

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114653.D
 Acq On : 30 May 2019 11:33
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
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 6/3/2019 8:46:53 AM

Quant Time: May 30 14:39:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 14:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	404526	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1509946	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	747737	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1414657	20.00	ng	0.00
76) Chrysene-d12	13.81	240	1091096	20.00	ng	0.00
87) Perylene-d12	15.20	264	1141737	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	3103290	134.69	ng	0.01
7) Phenol-d6	6.33	99	3737911	134.63	ng	0.00
23) Nitrobenzene-d5	7.26	82	2243228	92.69	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	1087326	152.61	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3780059	83.99	ng	0.00
79) Terphenyl-d14	12.78	244	4095641	70.58	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	61371	5.550	ng	99
3) Pyridine	3.14	79	154059	4.788	ng	99
4) n-Nitrosodimethylamine	2.98	42	61128	4.694	ng	# 99
6) Aniline	6.36	93	223263	5.324	ng	97
8) 2-Chlorophenol	6.48	128	150256	5.647	ng	96
9) Benzaldehyde	6.24	77	123357	7.787	ng	95
10) Phenol	6.34	94	181057	5.398	ng	# 71
11) bis(2-Chloroethyl)ether	6.43	93	143314	5.586	ng	98
12) 1,3-Dichlorobenzene	6.63	146	172952	5.705	ng	97
13) 1,4-Dichlorobenzene	6.71	146	173163	5.694	ng	99
14) 1,2-Dichlorobenzene	6.86	146	158774	5.734	ng	99
15) Benzyl Alcohol	6.83	79	115949m	5.309	ng	
16) 2,2'-oxybis(1-Chloropropan	6.97	45	201944	5.132	ng	99
17) 2-Methylphenol	6.94	107	122242	5.432	ng	99
18) Hexachloroethane	7.21	117	59332	5.153	ng	97
19) n-Nitroso-di-n-propylamine	7.10	70	103123	5.381	ng	95
20) 3+4-Methylphenols	7.10	107	154203	5.826	ng	91
22) Acetophenone	7.10	105	211256	6.566	ng	98
24) Nitrobenzene	7.27	77	159201	6.192	ng	97
25) Isophorone	7.51	82	277213	5.707	ng	100
26) 2-Nitrophenol	7.59	139	60802	4.859	ng	99
27) 2,4-Dimethylphenol	7.63	122	130948	6.292	ng	99
28) bis(2-Chloroethoxy)methane	7.73	93	178077	5.760	ng	98
29) 2,4-Dichlorophenol	7.83	162	123101	5.811	ng	97
30) 1,2,4-Trichlorobenzene	7.92	180	143059	5.927	ng	98
31) Naphthalene	7.99	128	461129	6.630	ng	96
32) Benzoic acid	7.69	122	46998	3.477	ng	94
33) 4-Chloroaniline	8.04	127	189935	5.732	ng	98
34) Hexachlorobutadiene	8.12	225	77579	5.786	ng	99
35) Caprolactam	8.36	113	37106	5.190	ng	96
36) 4-Chloro-3-methylphenol	8.52	107	126018	5.932	ng	99
37) 2-Methylnaphthalene	8.68	142	311510	6.741	ng	99
38) 1-Methylnaphthalene	8.78	142	297989	6.806	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	134345	6.747	ng	99

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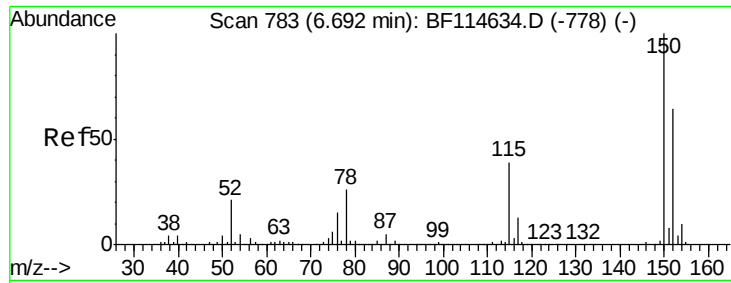
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	79335	6.029	ng	99
43) 2,4,6-Trichlorophenol	8.96	196	86781	5.539	ng	97
44) 2,4,5-Trichlorophenol	8.99	196	91081	5.825	ng	98
46) 1,1'-Biphenyl	9.15	154	380826	6.861	ng	96
47) 2-Chloronaphthalene	9.17	162	287583	6.316	ng	97
48) 2-Nitroaniline	9.25	65	67591	4.811	ng	94
49) Acenaphthylene	9.57	152	466104	6.627	ng	96
50) Dimethylphthalate	9.44	163	320404	6.149	ng	99
51) 2,6-Dinitrotoluene	9.50	165	65947	5.447	ng	98
52) Acenaphthene	9.75	154	274571	6.365	ng	99
53) 3-Nitroaniline	9.66	138	75112	5.069	ng	96
54) 2,4-Dinitrophenol	9.76	184	12572	2.633	ng	# 39
55) Dibenzofuran	9.92	168	409019	6.661	ng	95
56) 4-Nitrophenol	9.81	139	52196	4.753	ng	90
57) 2,4-Dinitrotoluene	9.89	165	79389	5.109	ng	97
58) Fluorene	10.26	166	312203	7.530	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.04	232	72599	5.673	ng	97
60) Diethylphthalate	10.15	149	317098	5.959	ng	98
61) 4-Chlorophenyl-phenylether	10.26	204	152936	7.373	ng	99
62) 4-Nitroaniline	10.26	138	70024	4.850	ng	96
63) Azobenzene	10.42	77	303513	6.212	ng	97
65) 4,6-Dinitro-2-methylphenol	10.30	198	22534	3.592	ng	97
66) n-Nitrosodiphenylamine	10.37	169	270038	6.461	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	90300	5.952	ng	97
68) Hexachlorobenzene	10.81	284	98236	5.979	ng	96
69) Atrazine	10.90	200	80325	6.100	ng	98
70) Pentachlorophenol	11.00	266	45651	4.820	ng	97
71) Phenanthrene	11.22	178	468924	6.498	ng	96
72) Anthracene	11.26	178	481132	6.588	ng	97
73) Carbazole	11.42	167	416304	6.486	ng	96
74) Di-n-butylphthalate	11.76	149	497346	6.377	ng	97
75) Fluoranthene	12.39	202	469987	6.290	ng	95
77) Benzidine	12.52	184	233917	5.206	ng	99
78) Pyrene	12.62	202	482049	5.223	ng	96
80) Butylbenzylphthalate	13.25	149	192023	4.140	ng	97
81) Benzo(a)anthracene	13.80	228	445894	5.318	ng	96
82) 3,3'-Dichlorobenzidine	13.77	252	155156	4.792	ng	98
83) Chrysene	13.83	228	419262	5.234	ng	95
84) Bis(2-ethylhexyl)phthalate	13.82	149	276898	4.829	ng	98
85) Di-n-octyl phthalate	14.43	149	451347	4.530	ng	98
86) Indeno(1,2,3-cd)pyrene	16.50	276	375537	4.681	ng	98
88) Benzo(b)fluoranthene	14.80	252	423078	5.883	ng	98
89) Benzo(k)fluoranthene	14.83	252	376415	6.022	ng	97
90) Benzo(a)pyrene	15.14	252	376856	5.965	ng	98
91) Dibenzo(a,h)anthracene	16.53	278	318762	5.710	ng	96
92) Benzo(g,h,i)perylene	16.90	276	294371	5.433	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

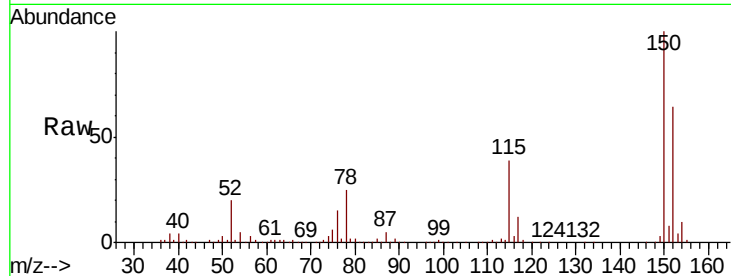
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.4	186.6
115	60.6	48.7	73.1

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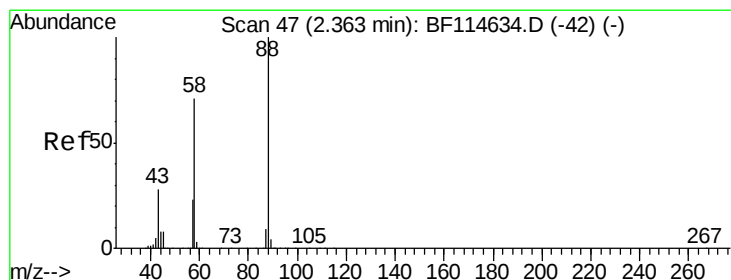
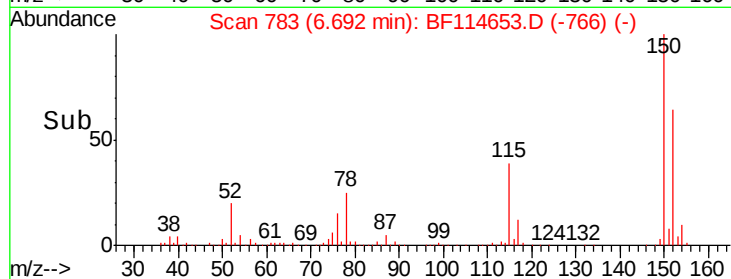
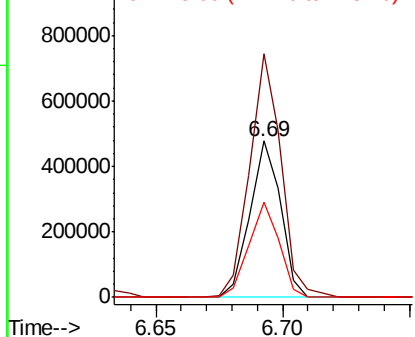


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

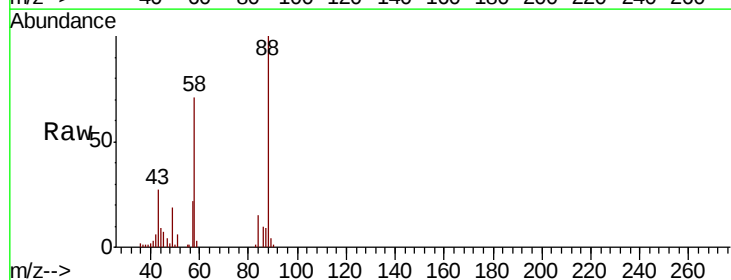
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.550 ng
RT: 2.38 min Scan# 49
Delta R.T. 0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.4	57.2	85.8
43	28.2	22.6	33.8

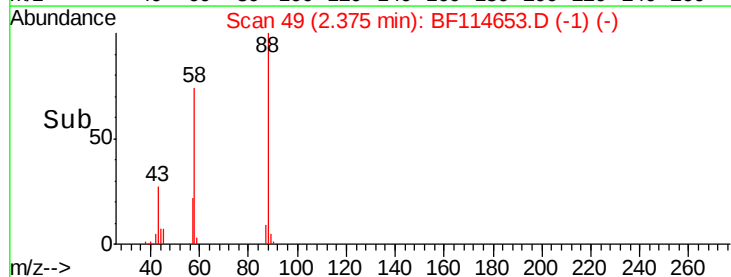
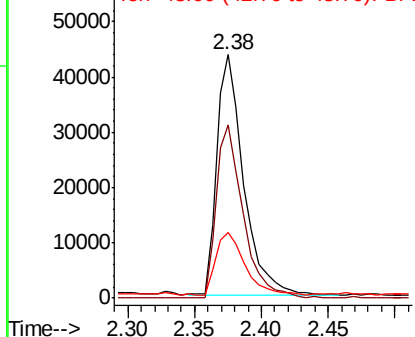


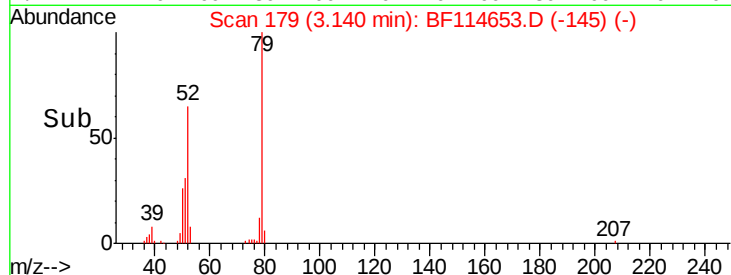
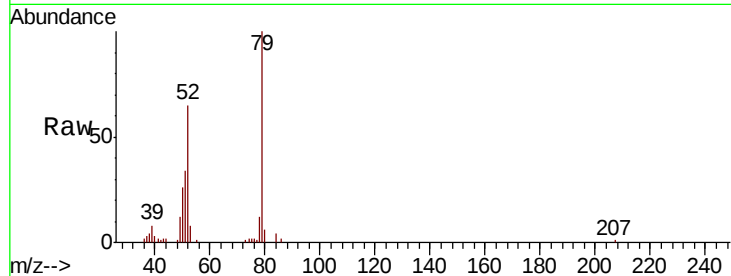
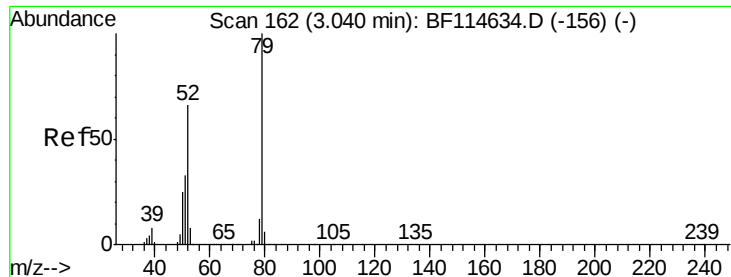
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





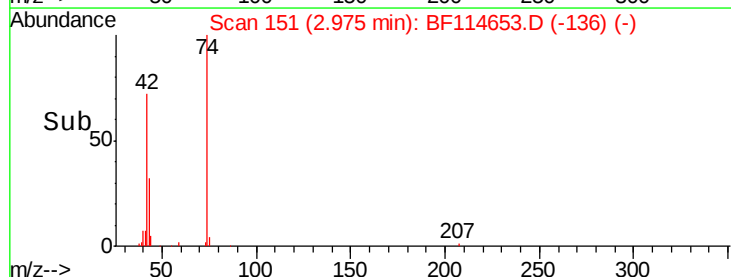
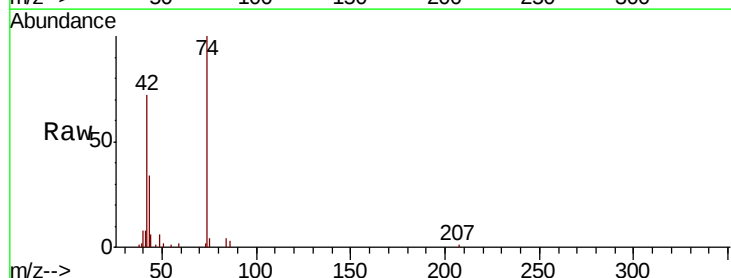
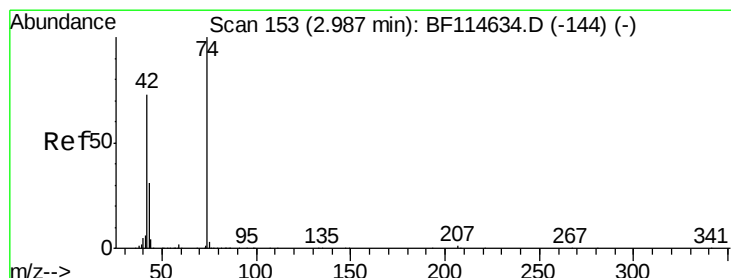
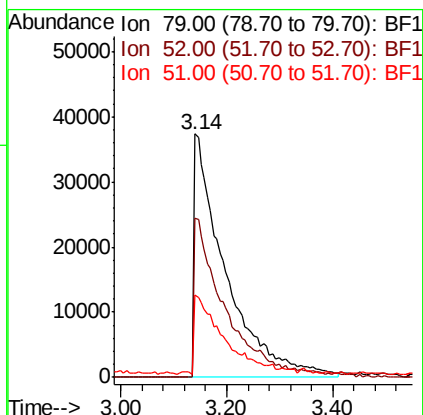
#3
Pvridine
Concen: 4.788 ng
RT: 3.14 min Scan# 179
Delta R.T. 0.10 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tot Ion	Ratio	Lower	Upper
79	100		
52	65.2	52.8	79.2
51	33.6	26.3	39.5

Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

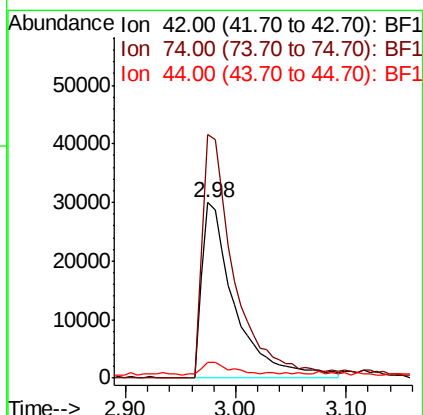
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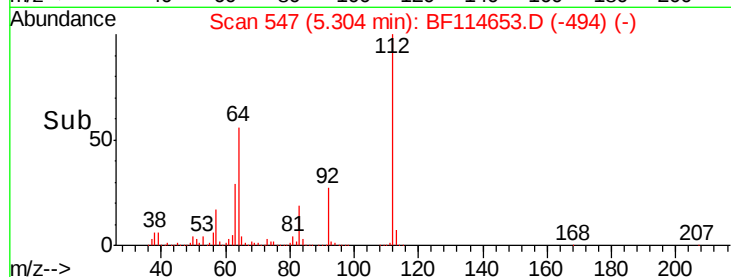
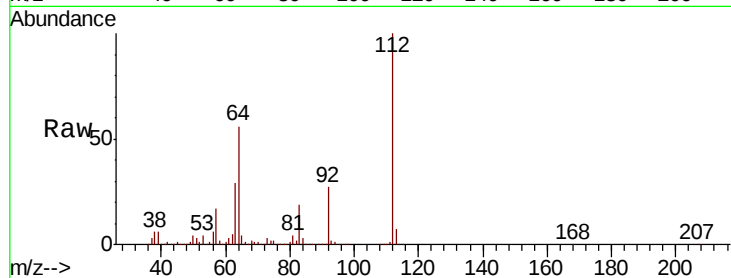
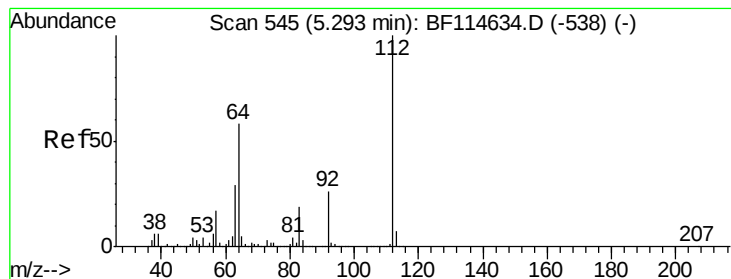
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#4
n-Nitrosodimethylamine
Concen: 4.694 ng
RT: 2.98 min Scan# 151
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.7	110.0	165.0
44	9.0	5.6	8.4#





#5

2-Fluorophenol

Concen: 134.688 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tot Ion:	112	Resp:	3103290
Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.1	69.1
63	28.9	23.4	35.2

Instrument :

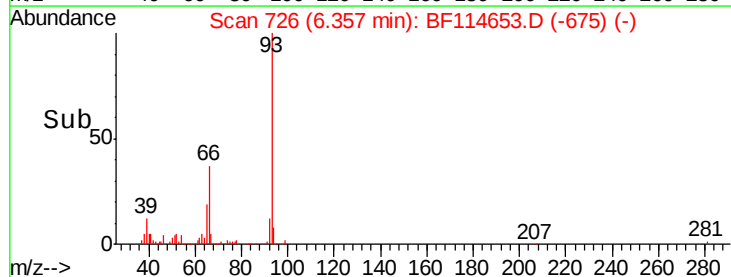
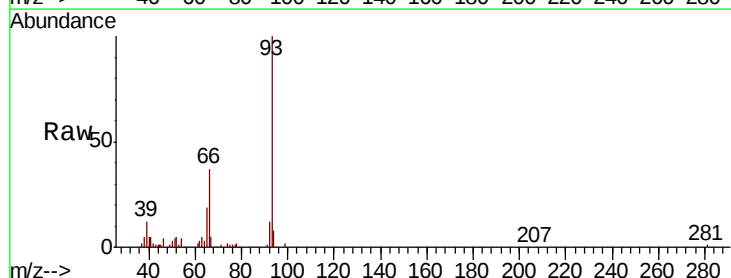
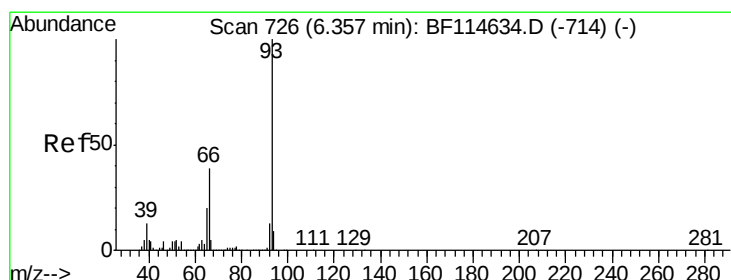
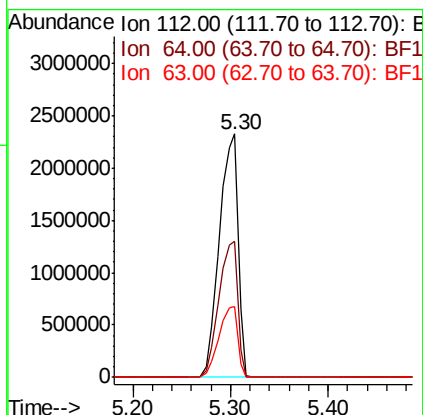
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

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#6

Aniline

Concen: 5.324 ng

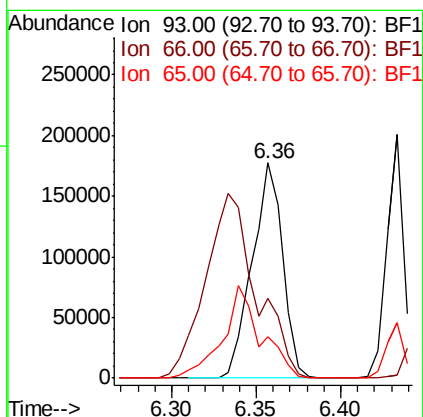
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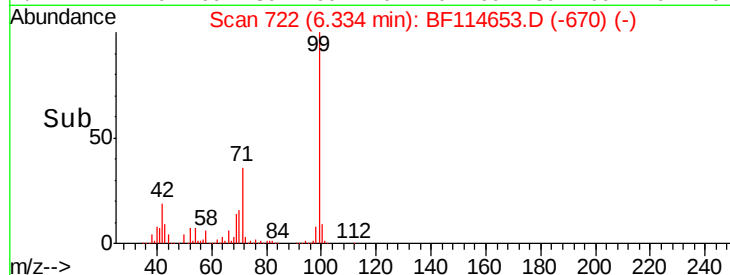
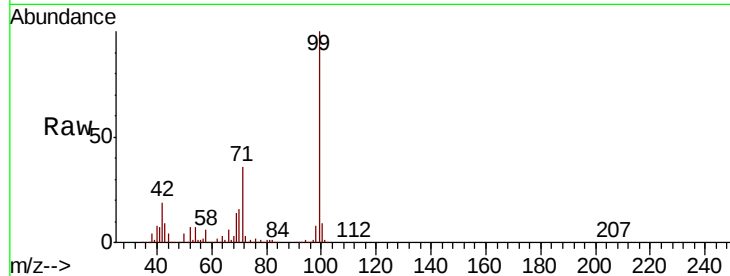
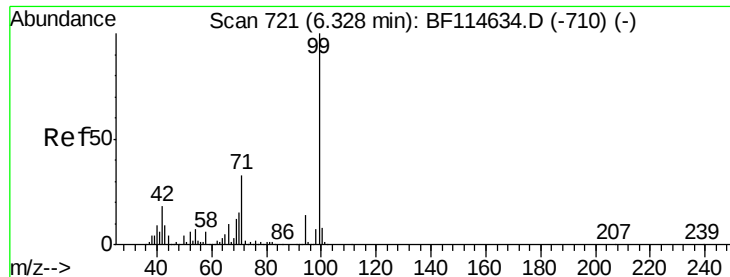
Delta R.T. -0.00 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	93	Resp:	223263
Ion	Ratio	Lower	Upper
93	100		
66	37.4	31.4	47.2
65	19.3	16.2	24.2





#7

Phenol-d6

Concen: 134.628 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tot Ion:	99	Resp:	3737911
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.7	22.1
71	36.3	26.6	40.0

Instrument :

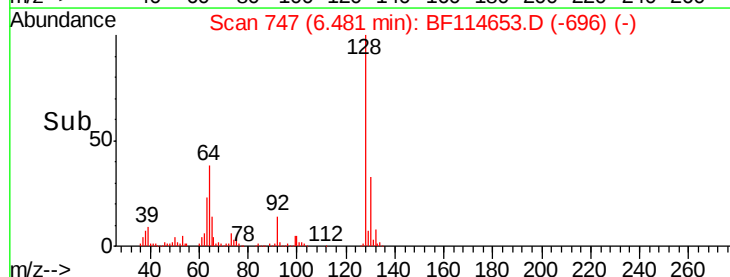
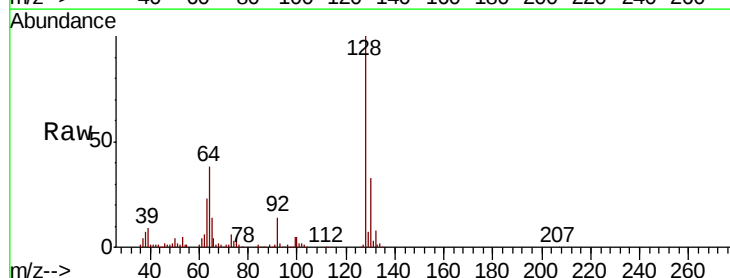
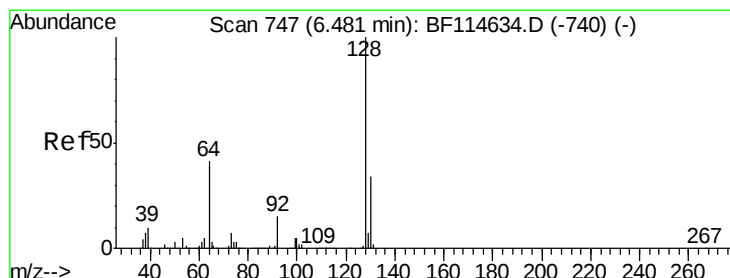
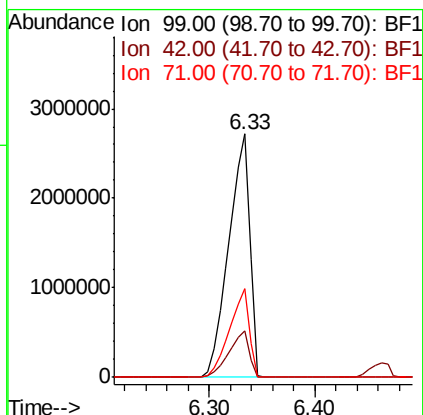
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 5.647 ng

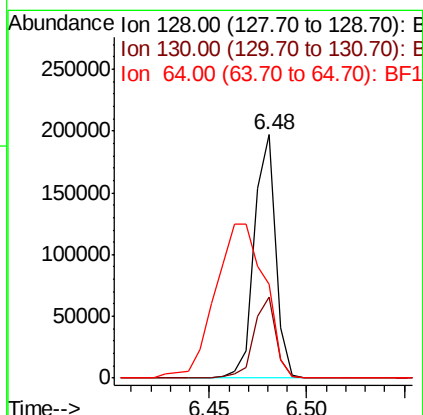
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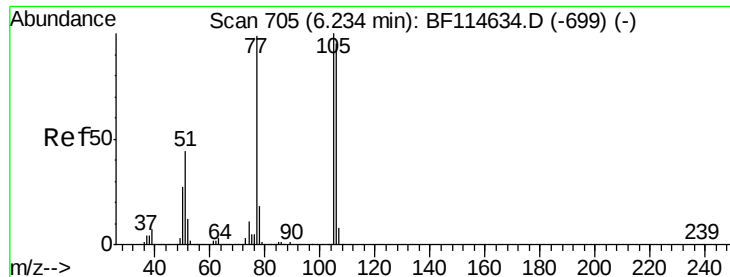
Delta R.T. -0.00 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	128	Resp:	150256
Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.9	53.9
64	38.4	22.0	62.0





#9

Benzaldehyde

Concen: 7.787 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

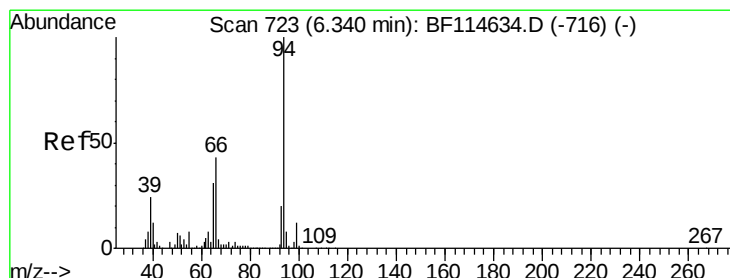
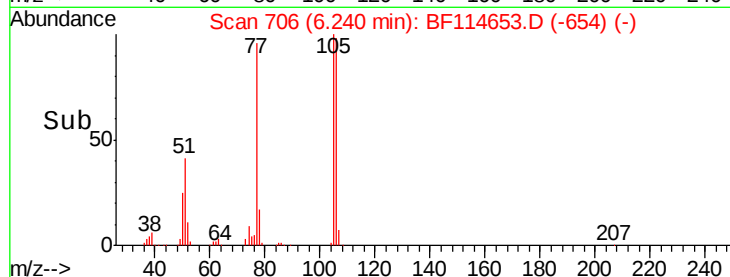
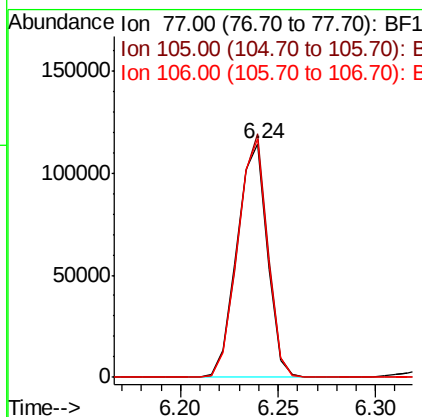
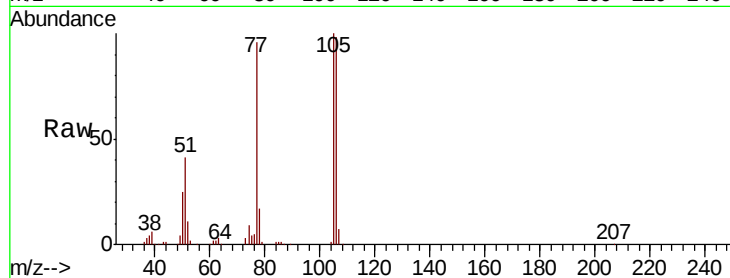
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	77	Resp:	123357
Ion Ratio	Lower	Upper	
77	100		
105	104.1	80.8	120.8
106	101.8	76.2	116.2

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#10

Phenol

Concen: 5.398 ng

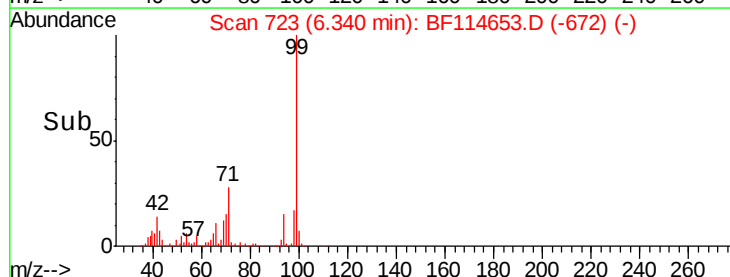
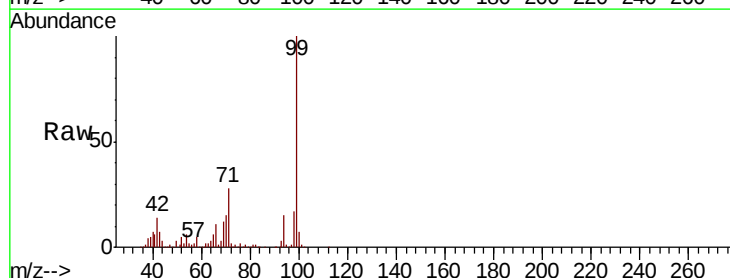
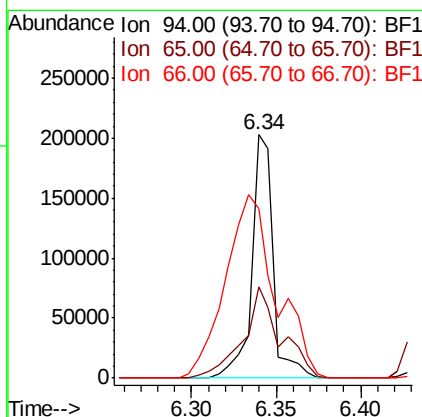
RT: 6.34 min Scan# 723

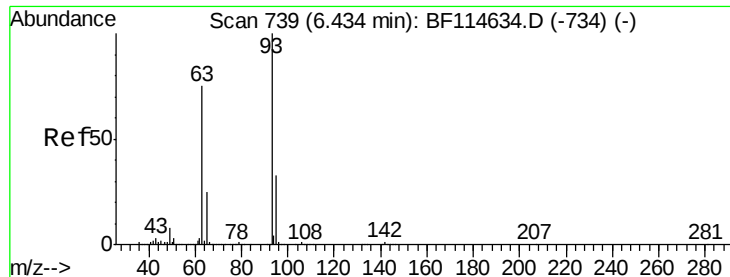
Delta R.T. -0.00 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	94	Resp:	181057
Ion Ratio	Lower	Upper	
94	100		
65	37.7	11.0	51.0
66	69.6	23.0	63.0





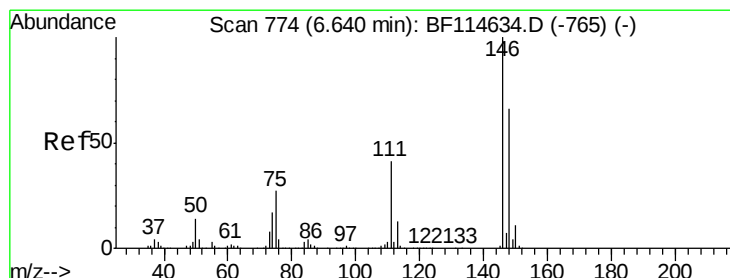
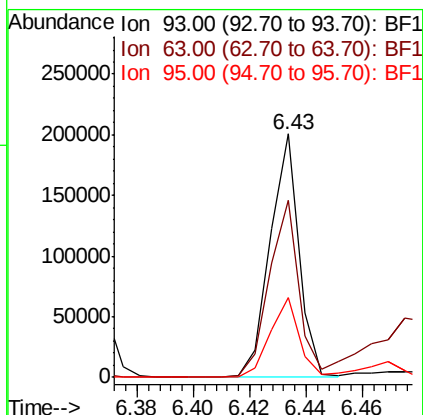
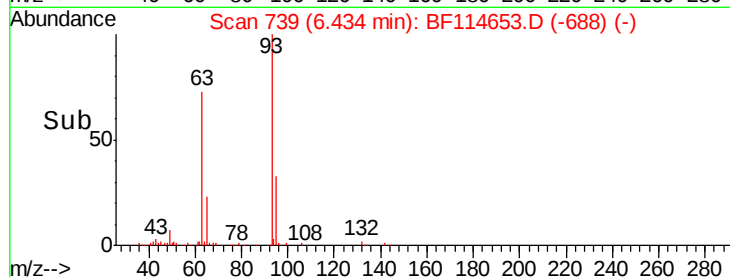
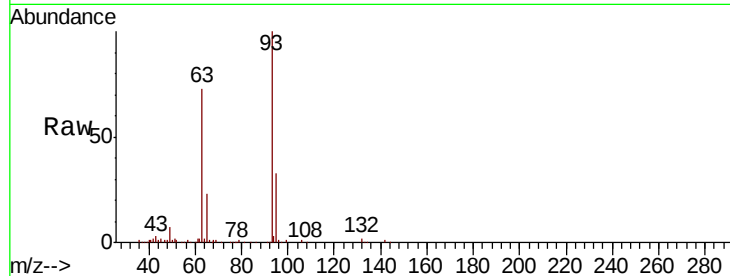
#11
bis(2-Chloroethyl)ether
Concen: 5.586 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.6	55.0	95.0
95	32.5	13.5	53.5

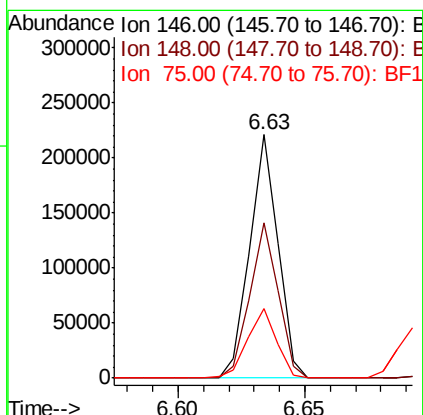
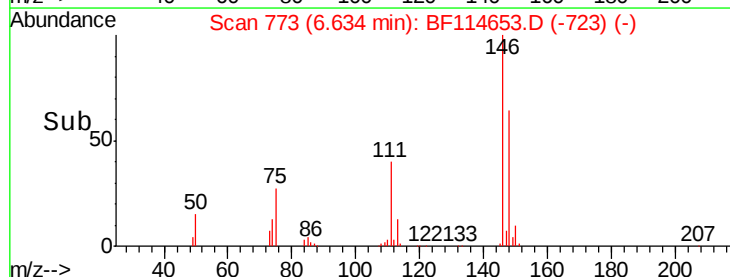
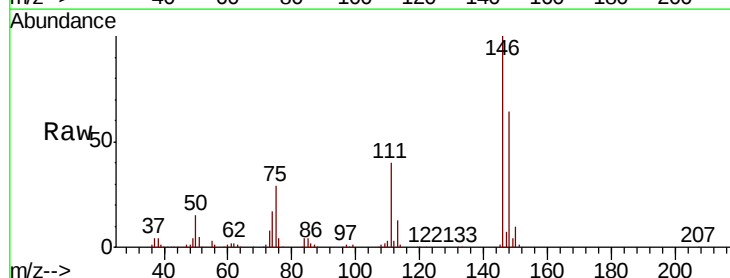
Manual Integrations
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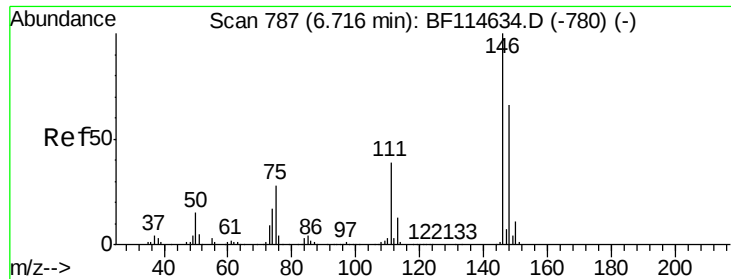
mohammad
6/3/2019 8:46:53 AM



#12
1,3-Dichlorobenzene
Concen: 5.705 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.9	79.3
75	28.7	22.0	33.0





#13

1,4-Dichlorobenzene

Concen: 5.694 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

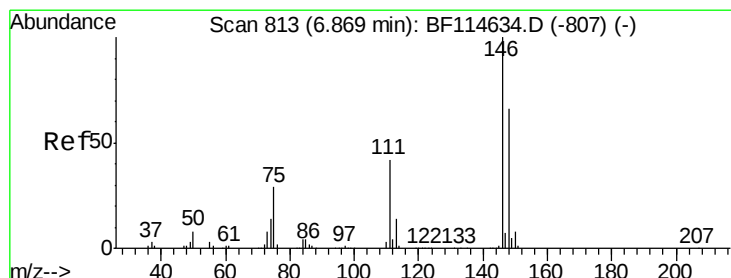
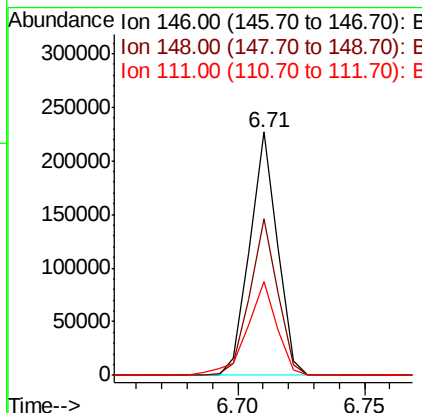
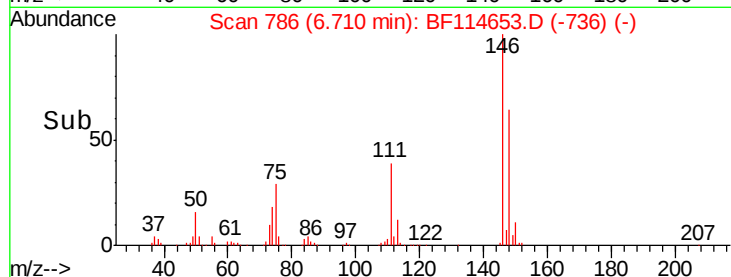
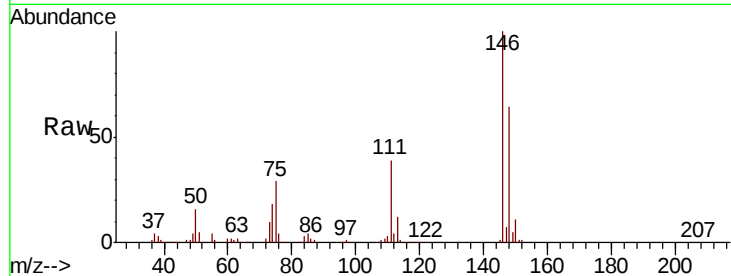
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	146	Resp:	173163
Ion Ratio	Lower	Upper	
146	100		
148	64.4	52.5	78.7
111	38.8	31.4	47.2

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#14

1,2-Dichlorobenzene

Concen: 5.734 ng

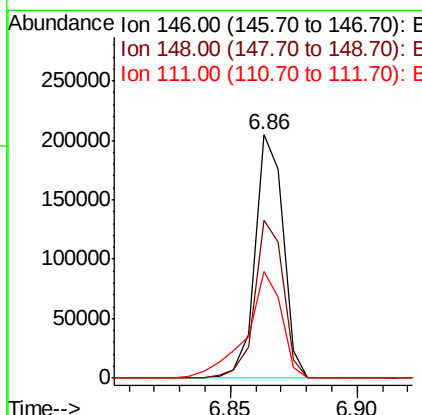
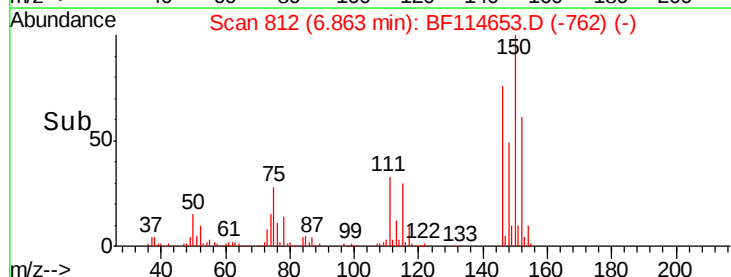
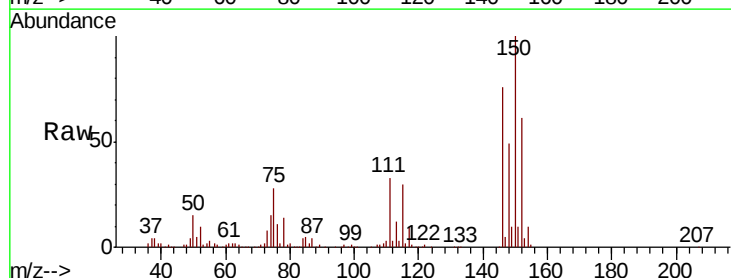
RT: 6.86 min Scan# 812

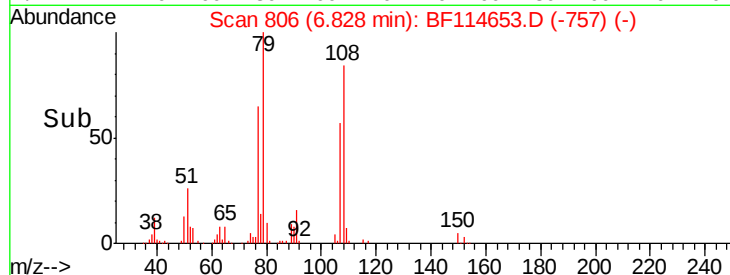
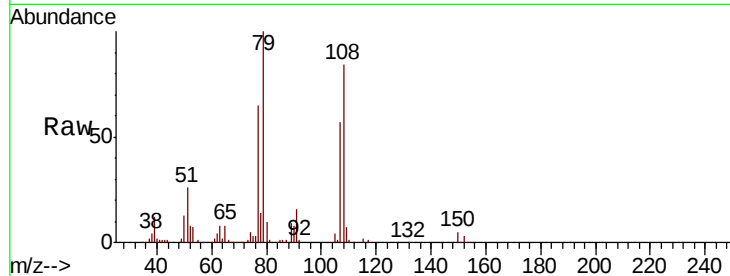
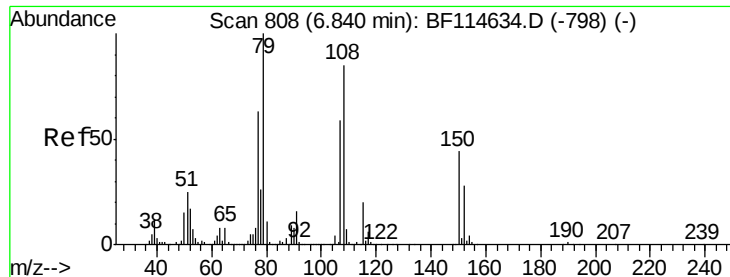
Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	146	Resp:	158774
Ion Ratio	Lower	Upper	
146	100		
148	64.9	52.6	79.0
111	43.7	34.1	51.1





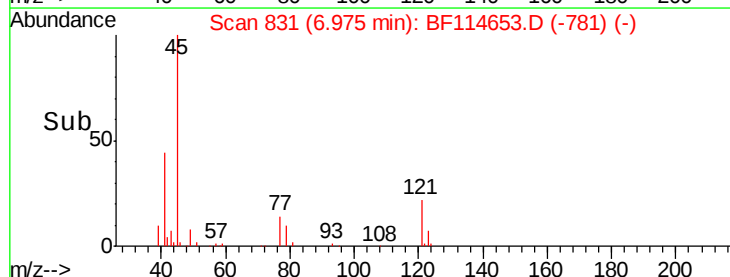
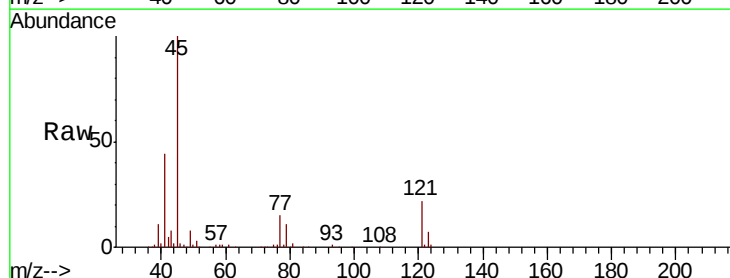
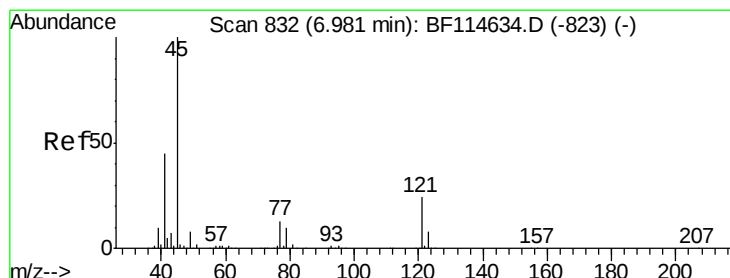
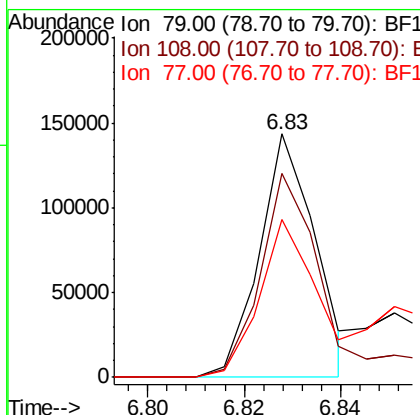
#15
Benzyl Alcohol
Concen: 5.309 ng/ml
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tot Ion	Ratio	Lower	Upper
79	100		
108	83.6	67.8	101.8
77	64.8	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

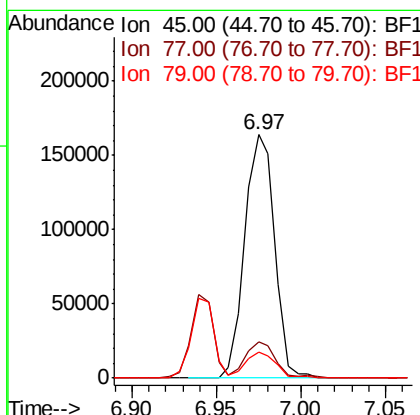
Manual Integrations
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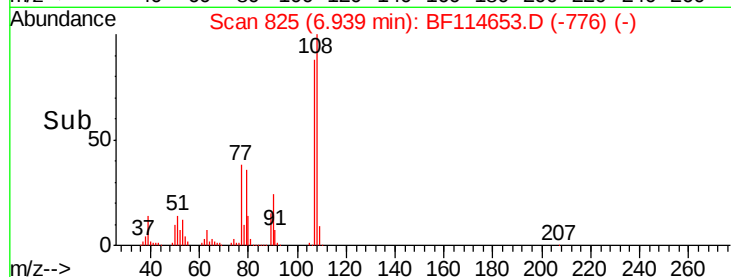
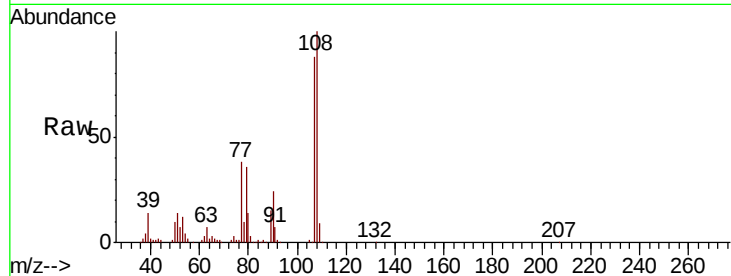
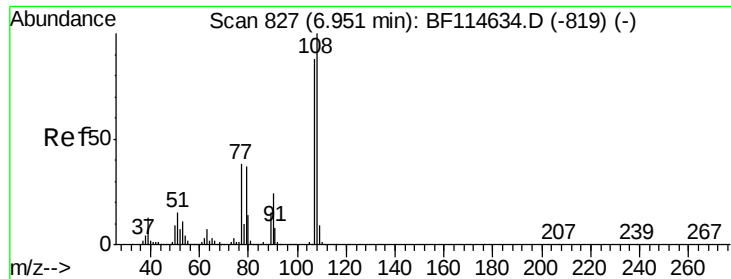
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.132 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.7
79	10.8	0.0	31.3





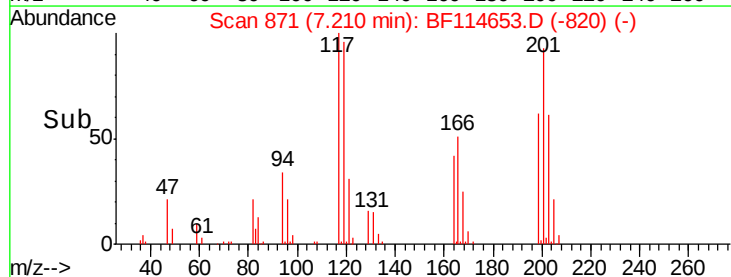
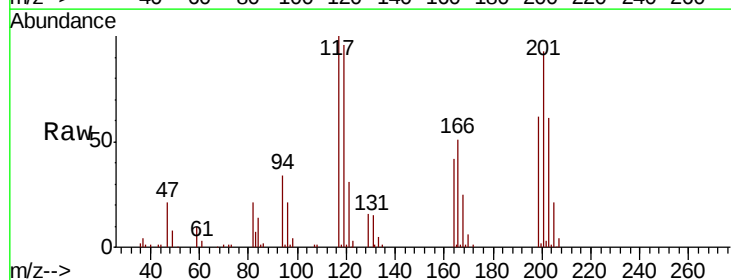
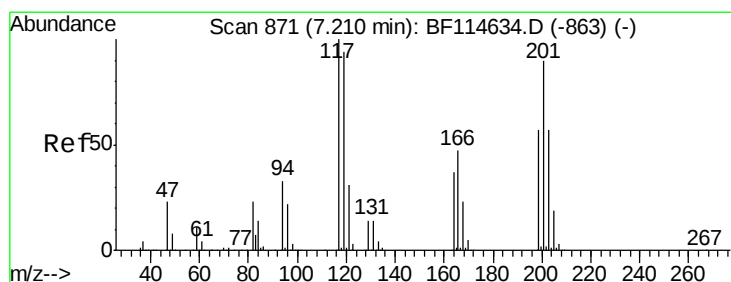
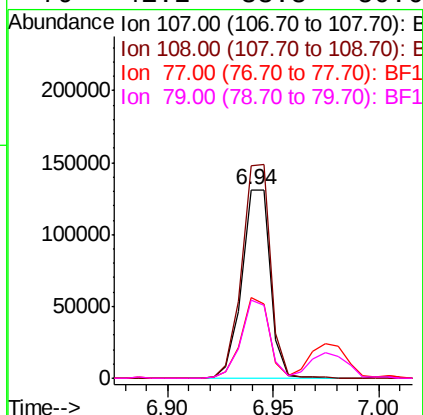
#17
2-Methylphenol
Concen: 5.432 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	91.1	136.7	
77	43.2	34.9	52.3	
79	41.2	33.8	50.6	

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

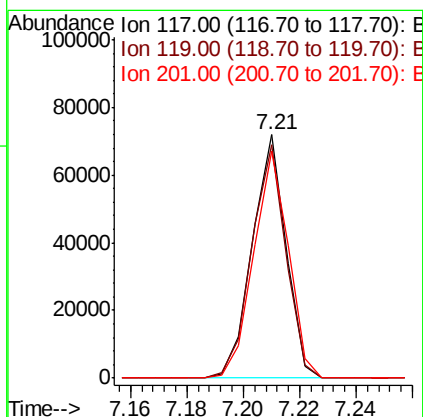
Manual Integrations
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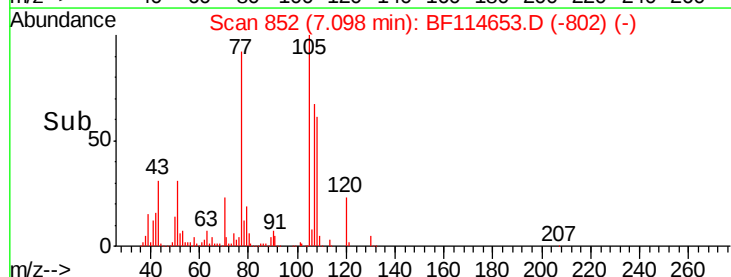
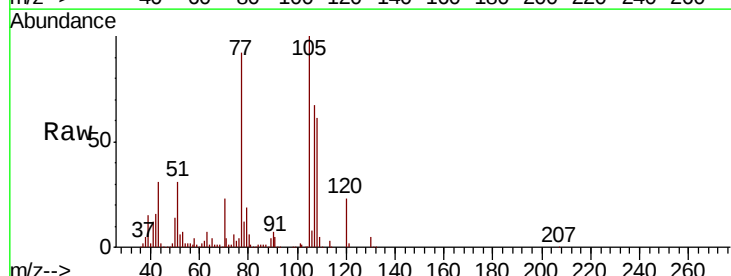
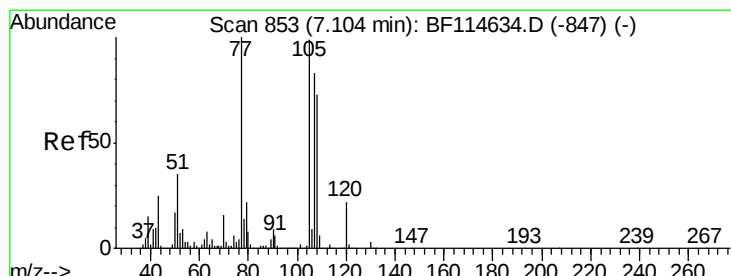
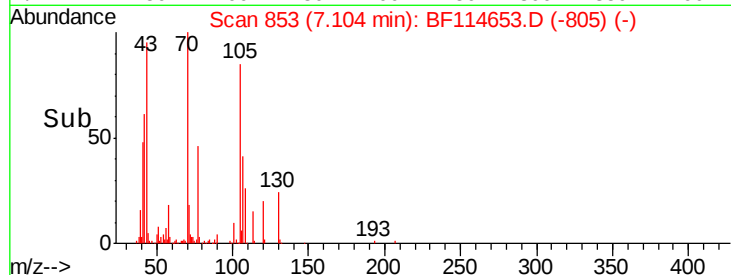
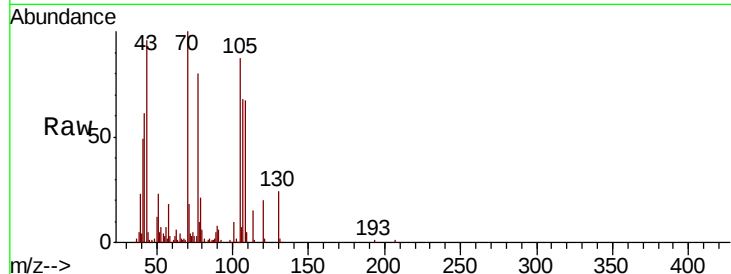
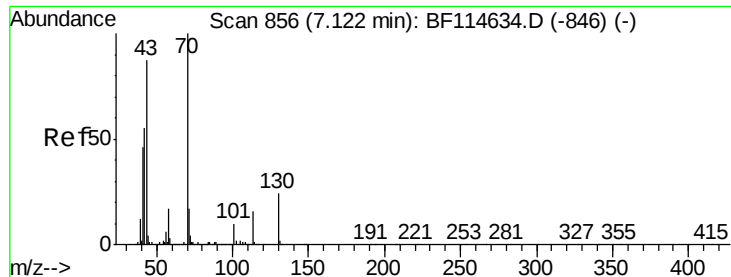
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#18
Hexachloroethane
Concen: 5.153 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

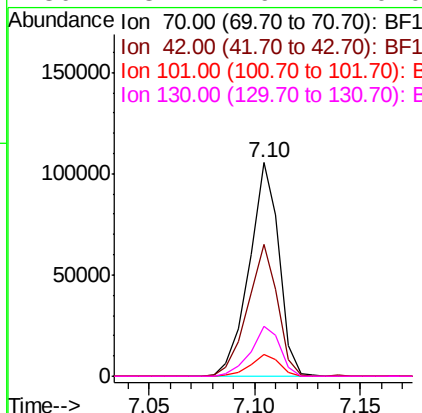
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.6	75.6	113.4	
201	93.5	71.7	107.5	





#19
n-Nitroso-di-n-propylamine
Concen: 5.381 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	61.5	44.4	66.6		
101	10.1	8.2	12.4		
130	23.7	19.4	29.0		



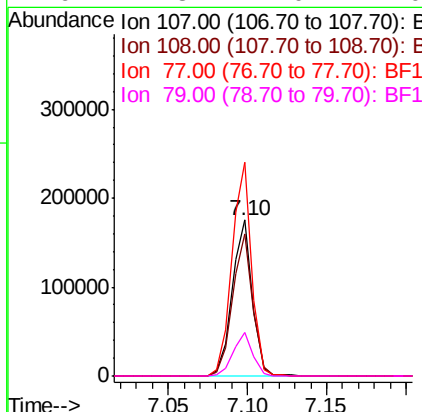
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

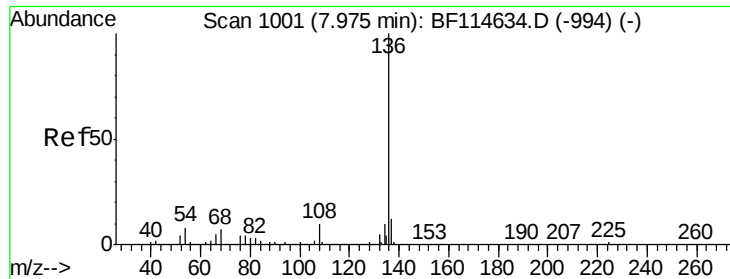
Manual Integrations
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#20
3+4-Methylphenols
Concen: 5.826 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.9	68.6	108.6		
77	136.9	100.5	140.5		
79	27.8	7.0	47.0		





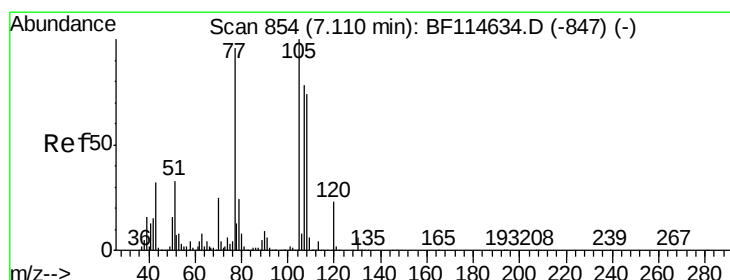
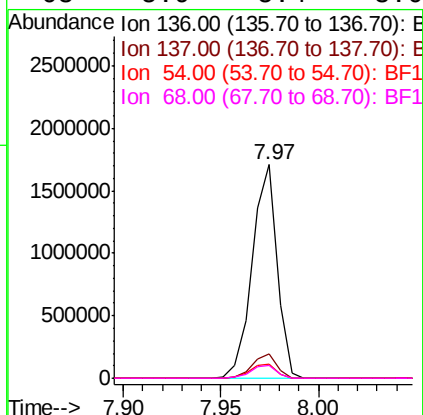
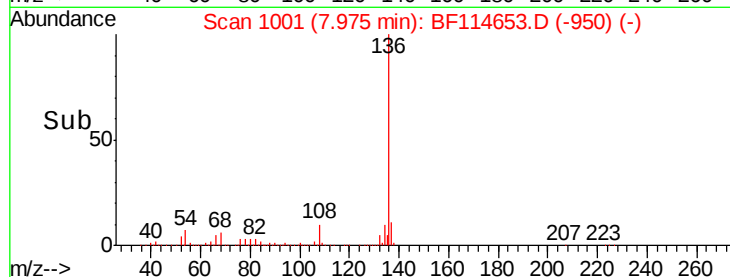
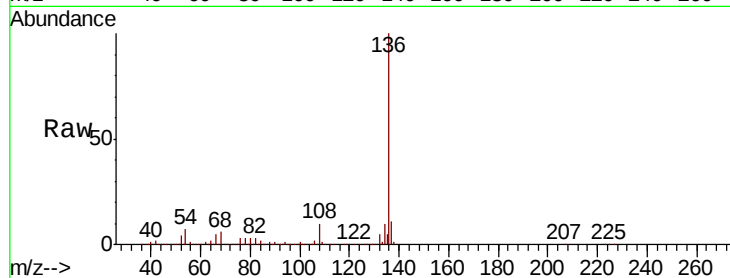
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	6.8	6.3	9.5
68	5.9	5.4	8.0

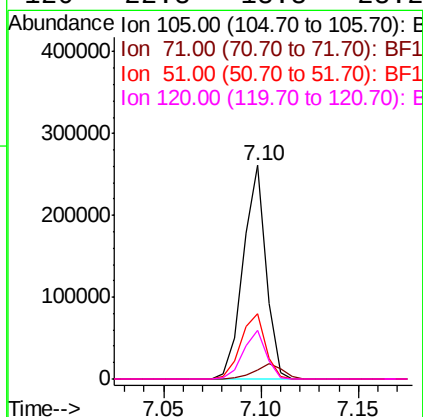
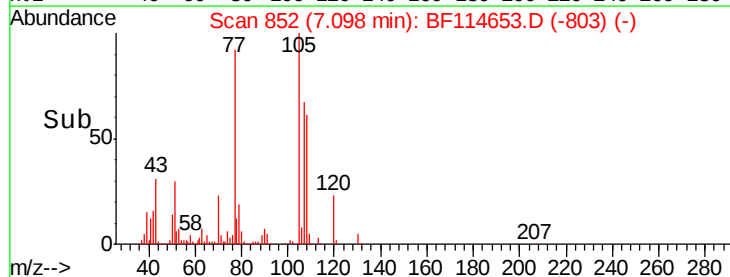
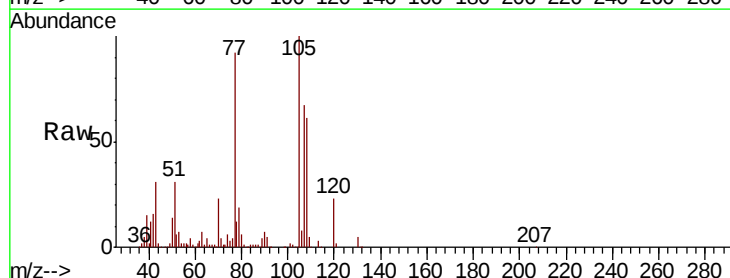
Manual Integrations
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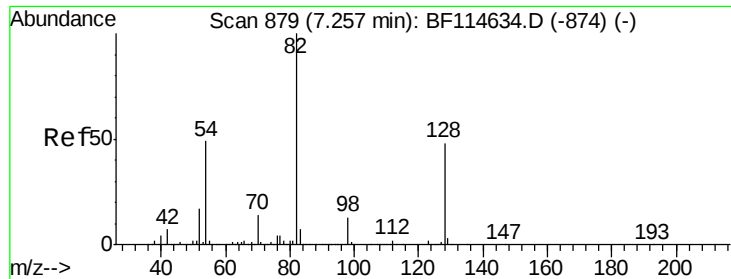
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#22
Acetophenone
Concen: 6.566 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.4	3.6	5.4
51	30.6	26.0	39.0
120	22.8	18.8	28.2





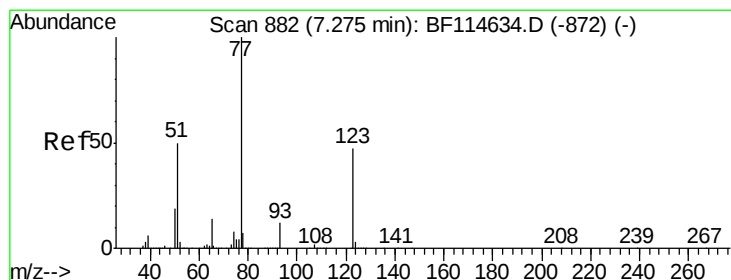
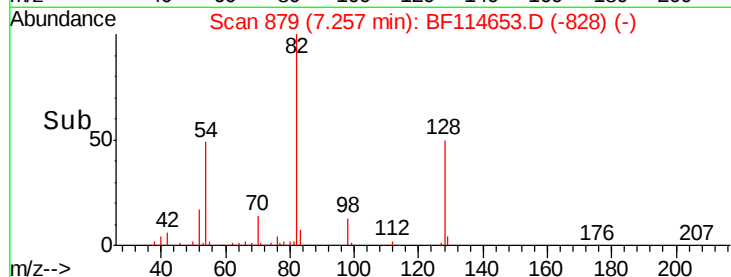
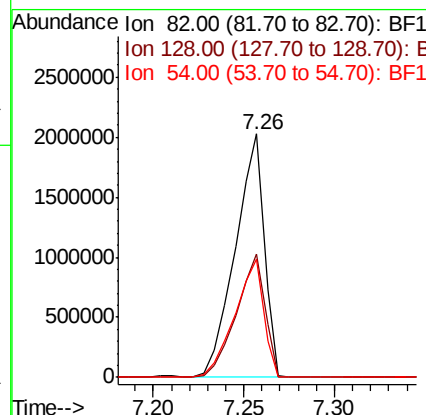
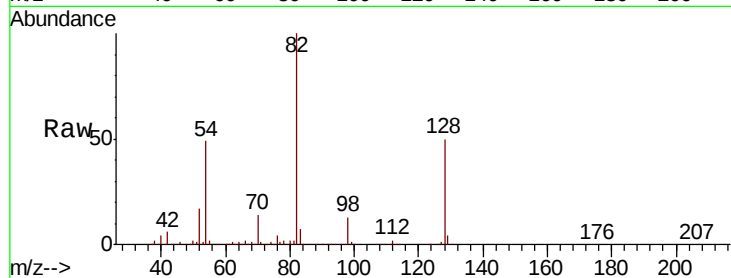
#23
Nitrobenzene-d5
Concen: 92.687 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	82	Resp	2243228
Ion Ratio	100	Lower	Upper
128	50.4	38.5	57.7
54	48.6	39.1	58.7

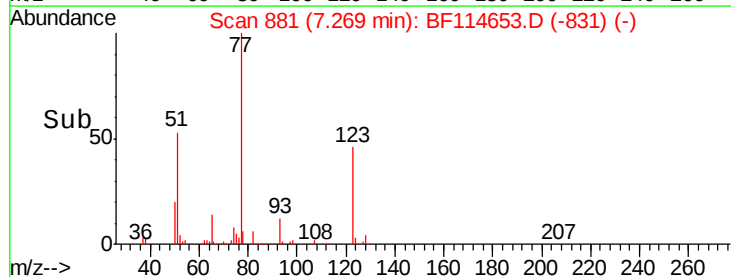
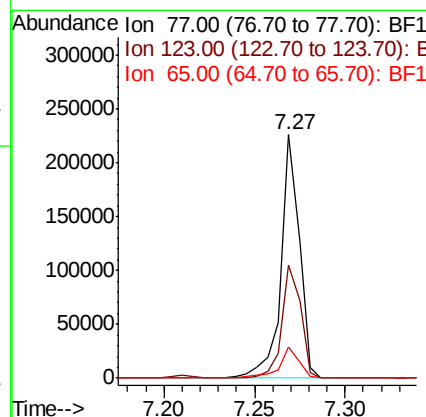
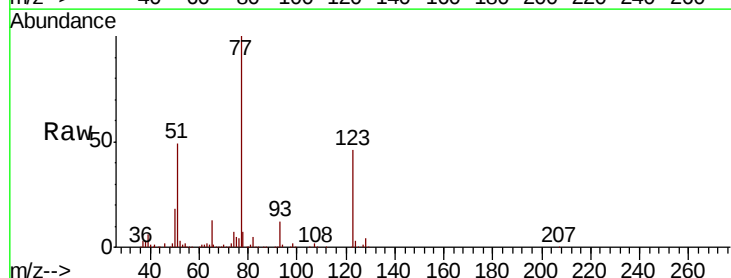
Manual Integrations
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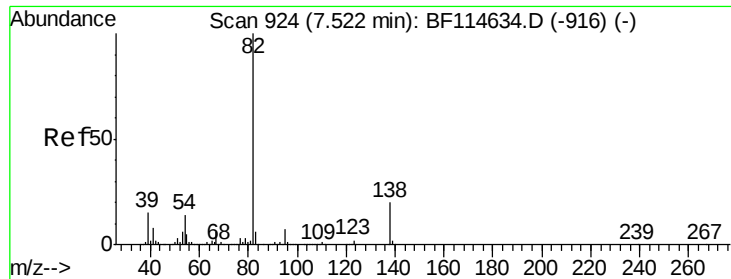
mohammad
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#24
Nitrobenzene
Concen: 6.192 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	77	Resp	159201
Ion Ratio	100	Lower	Upper
123	46.3	38.5	57.7
65	12.6	11.2	16.8





#25

Isophorone

Concen: 5.707 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

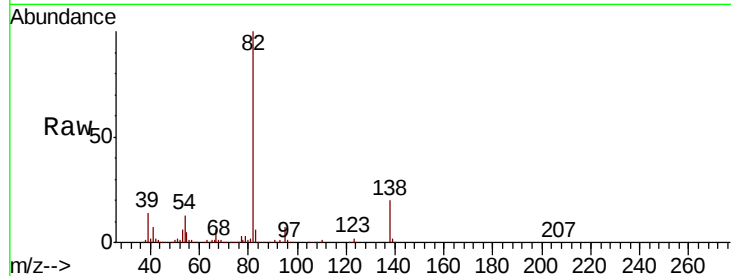
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

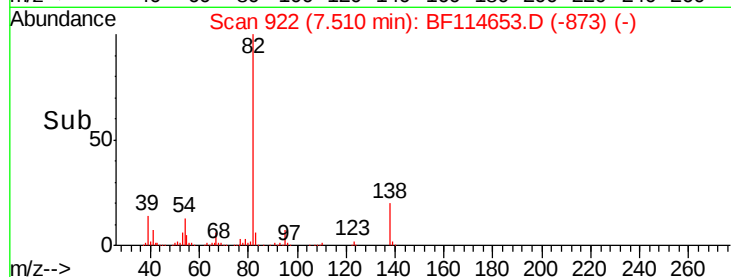
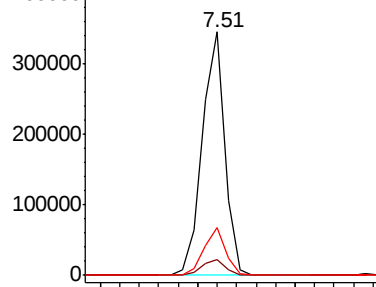
Tot Ion:	82	Resp:	277213
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.6	8.4
138	19.8	15.9	23.9

Manual Integrations
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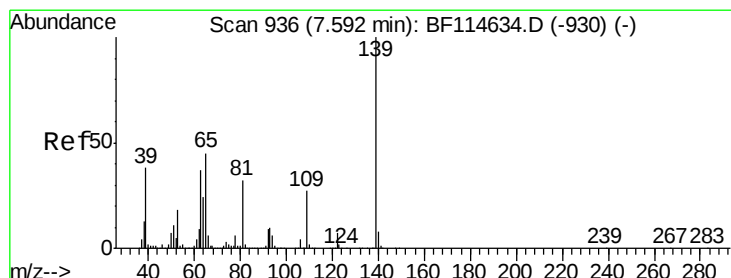
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



Time-->



#26

2-Nitrophenol

Concen: 4.859 ng

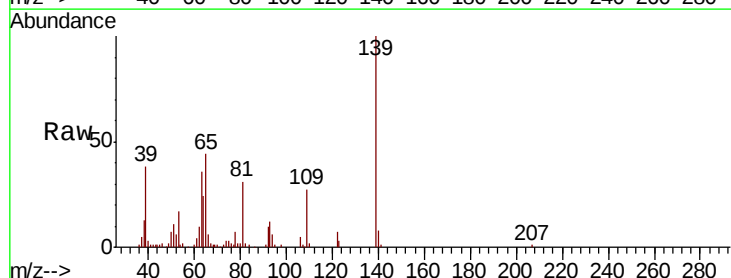
RT: 7.59 min Scan# 935

Delta R.T. -0.01 min

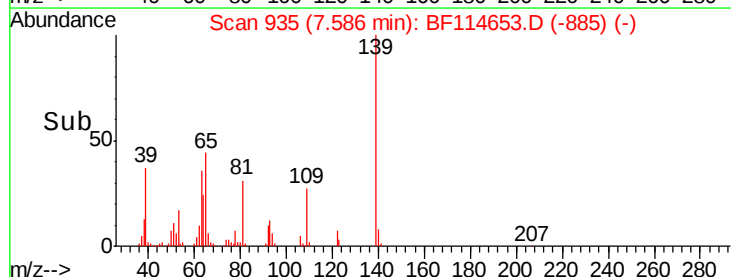
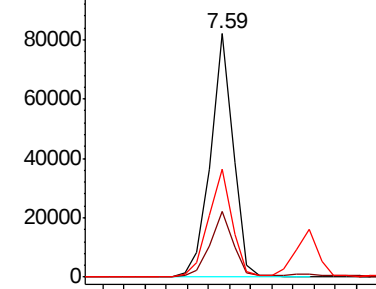
Lab File: BF114653.D

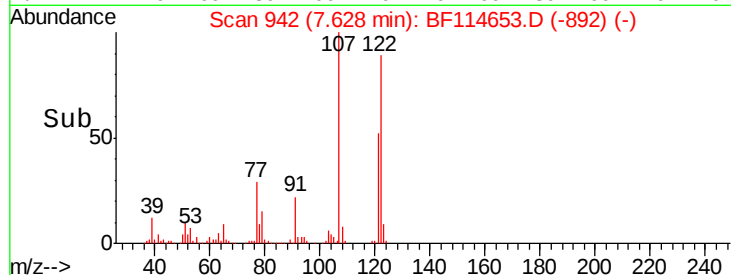
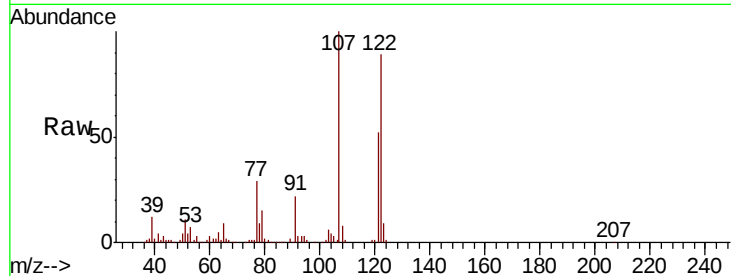
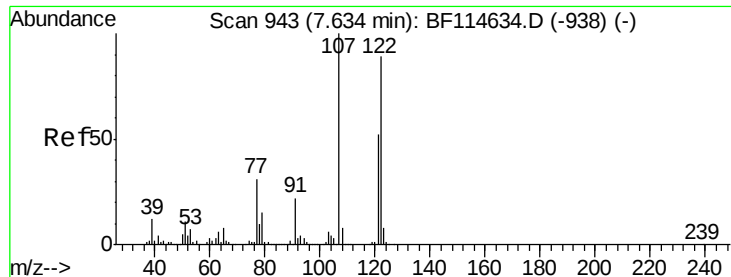
Acq: 30 May 2019 11:33

Tgt Ion:	139	Resp:	60802
Ion Ratio	Lower	Upper	
139	100		
109	27.0	21.7	32.5
65	44.4	36.3	54.5



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





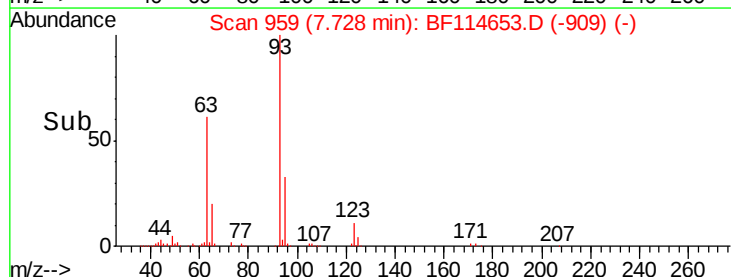
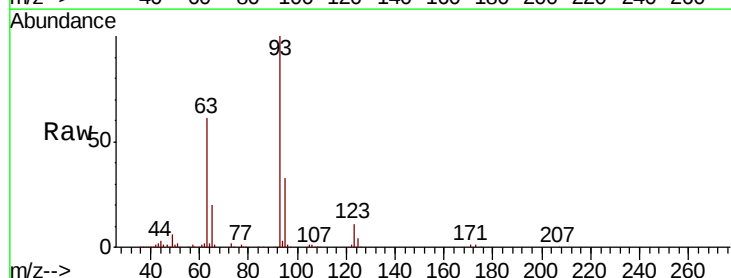
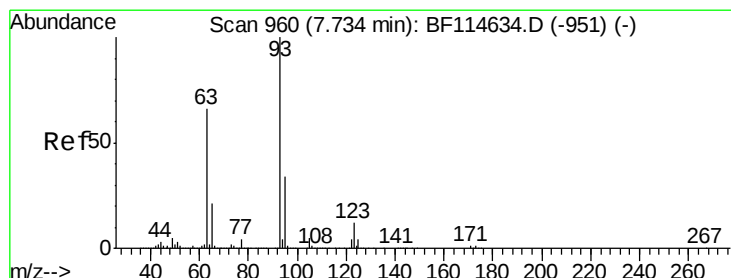
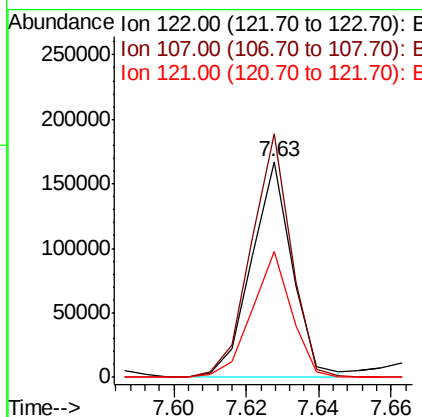
#27
2,4-Dimethylphenol
Concen: 6.292 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	112.9	89.3	133.9	
121	58.5	46.8	70.2	

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

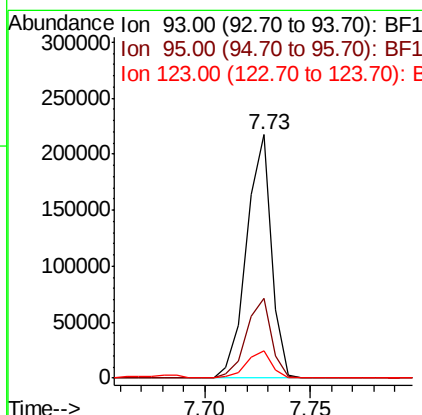
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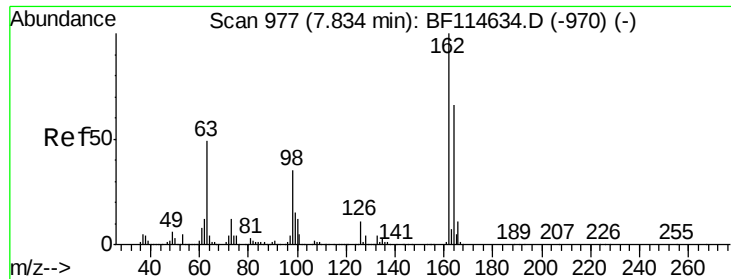
mohammad
6/3/2019 8:46:53 AM



#28
bis(2-Chloroethoxy)methane
Concen: 5.760 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.8	27.0	40.4	
123	11.3	10.2	15.2	





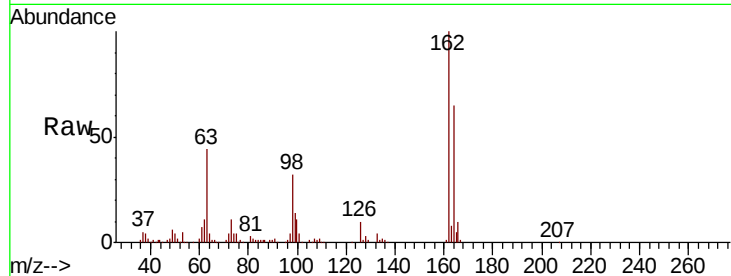
#29
 2,4-Dichlorophenol
 Concen: 5.811 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		123101		
164	65.1	45.8	85.8		
98	31.6	14.9	54.9		

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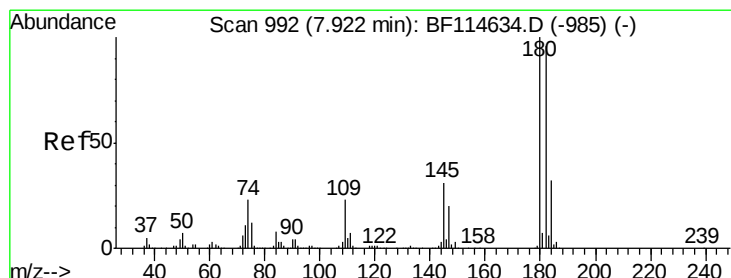
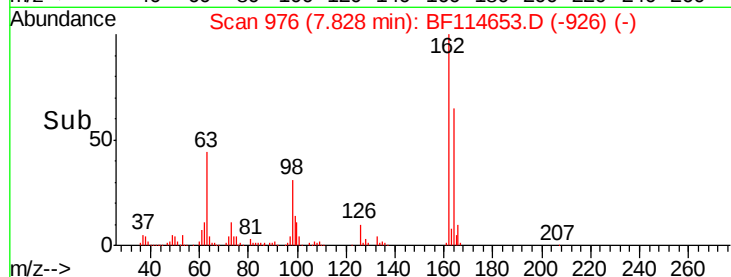
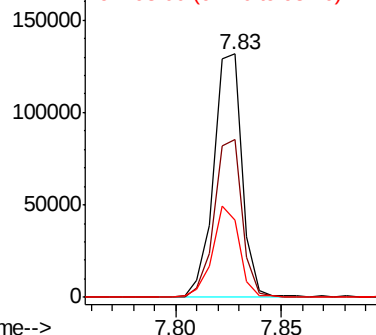


Abundance

Ion 162.00 (161.70 to 162.70): E

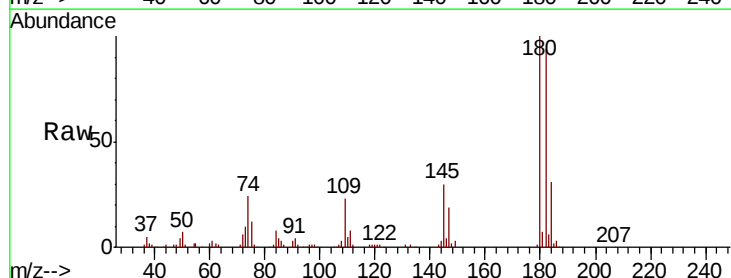
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 5.927 ng
 RT: 7.92 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		143059		
182	93.6	76.9	115.3		
145	30.3	24.5	36.7		

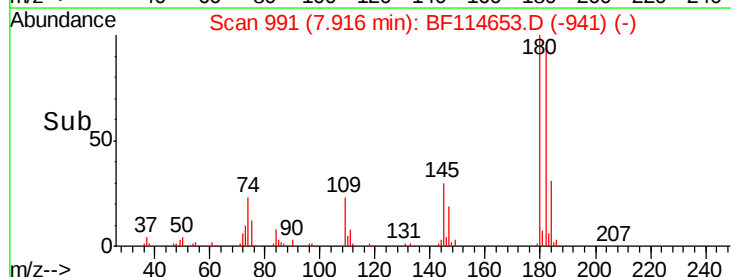
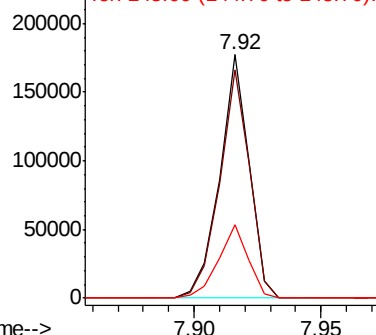


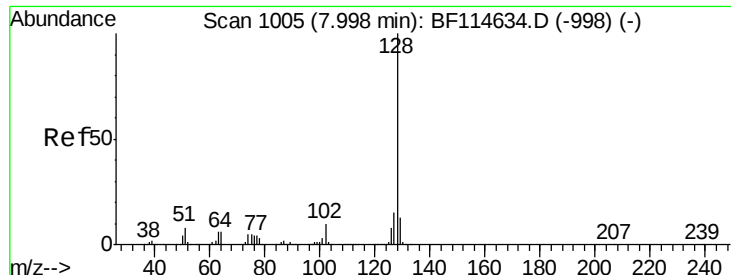
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





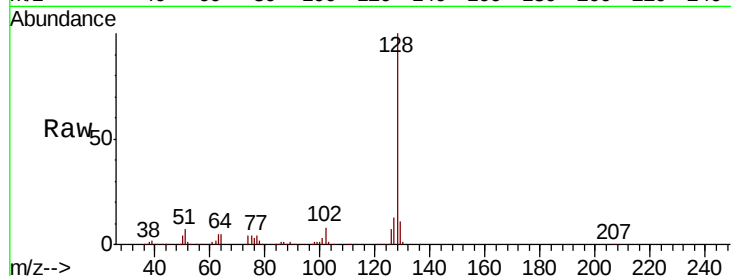
#31
Naphthalene
Concen: 6.630 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
128	100	461129		
129	11.0	10.2	15.2	
127	13.0	11.9	17.9	

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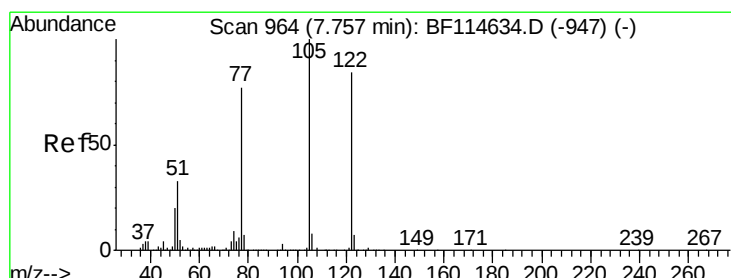
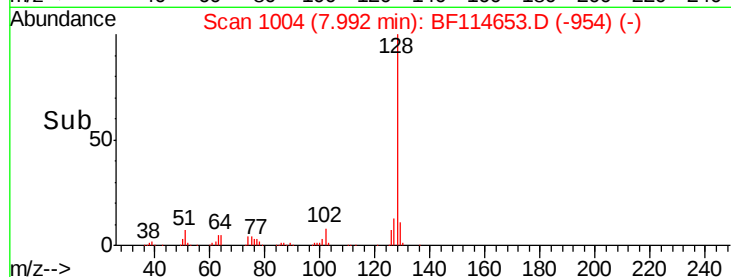
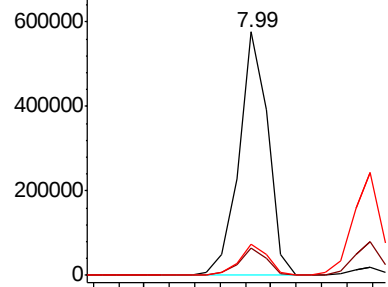


Abundance

Ion 128.00 (127.70 to 128.70): E

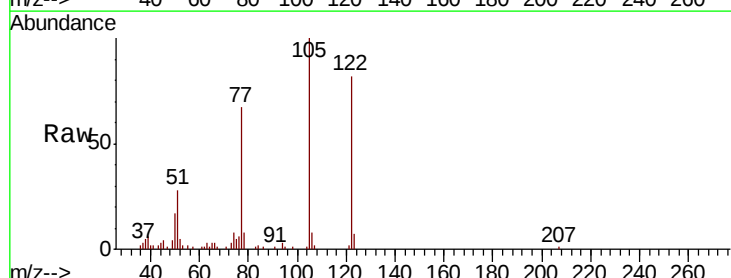
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 3.477 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.07 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	46998		
105	121.8	98.3	138.3	
77	81.2	70.7	110.7	

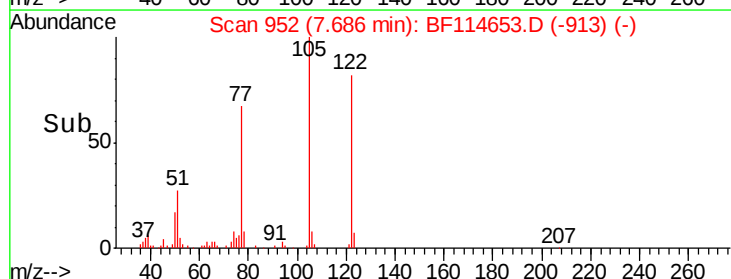
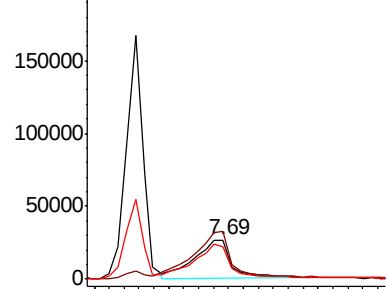


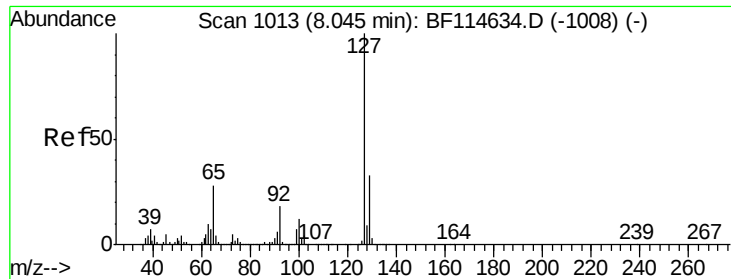
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





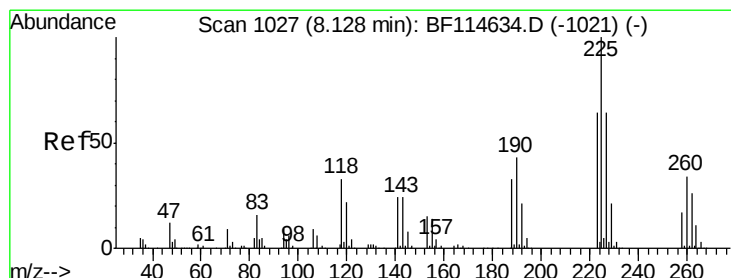
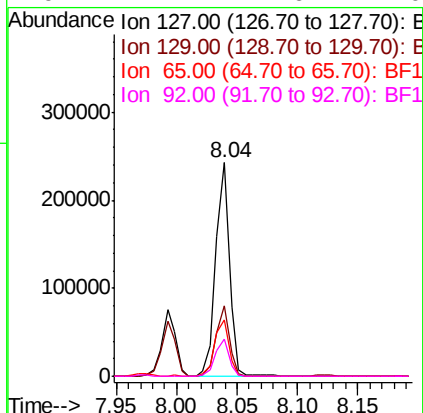
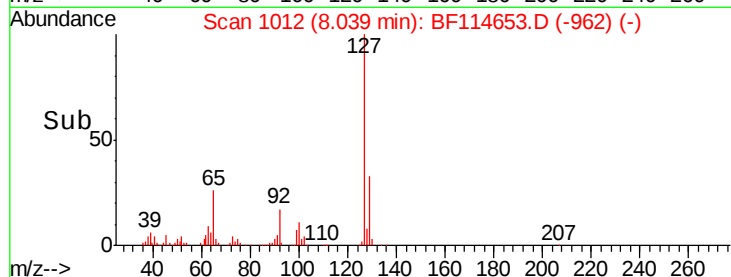
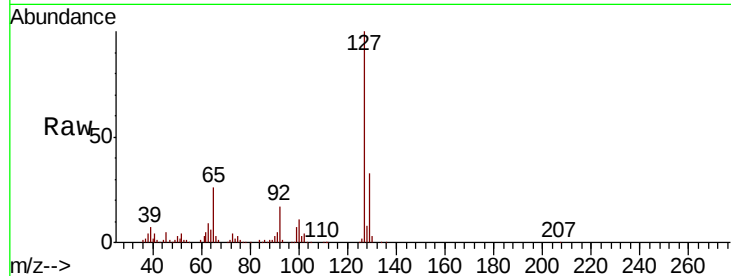
#33
4-Chloroaniline
Concen: 5.732 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	33.2	26.7	40.1
65	26.3	22.5	33.7
92	17.4	14.6	22.0

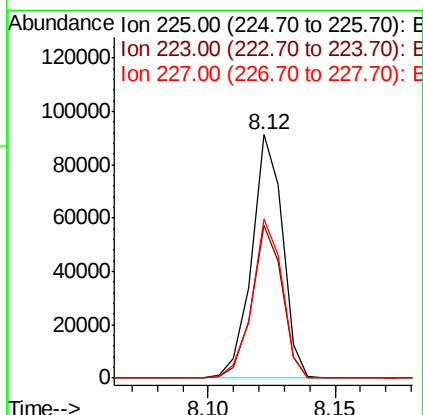
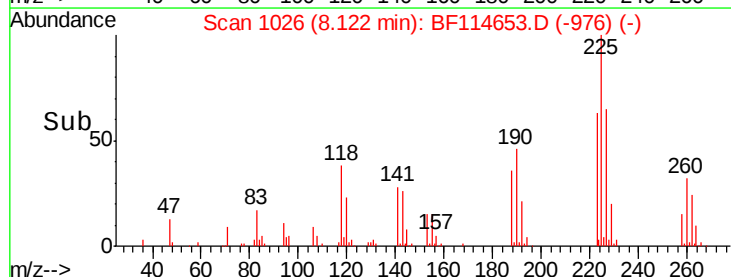
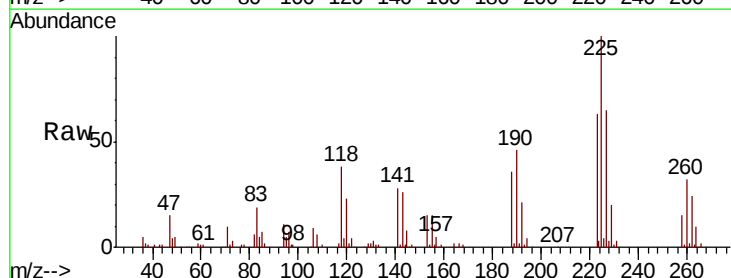
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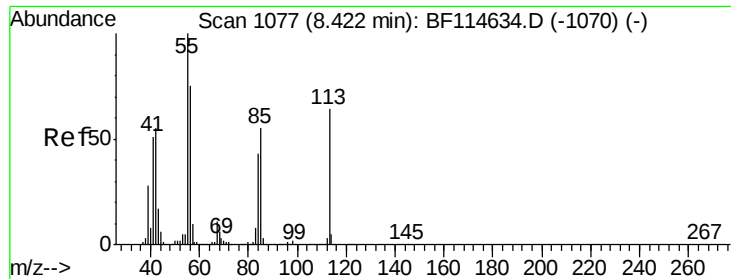
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#34
Hexachlorobutadiene
Concen: 5.786 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.8	50.9	76.3
227	65.3	51.3	76.9





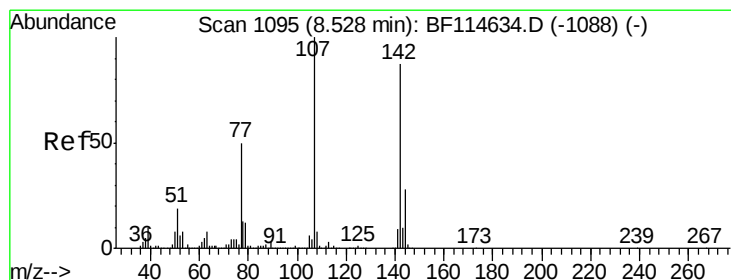
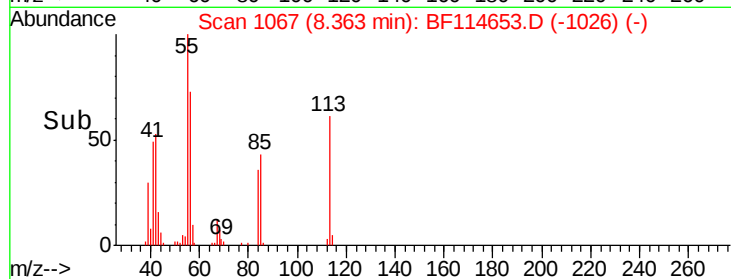
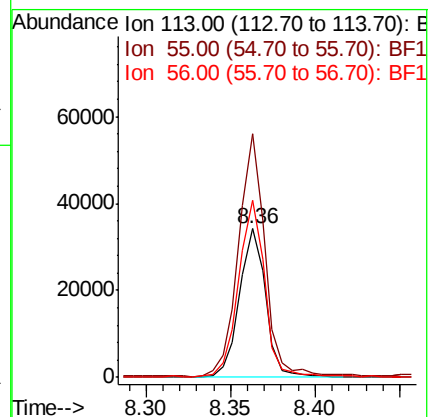
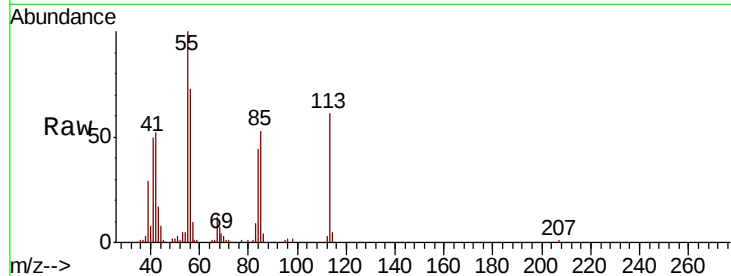
#35
Caprolactam
Concen: 5.190 ng
RT: 8.36 min Scan# 1067
Delta R.T. -0.06 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	163.9	136.4	176.4
56	119.1	97.0	137.0

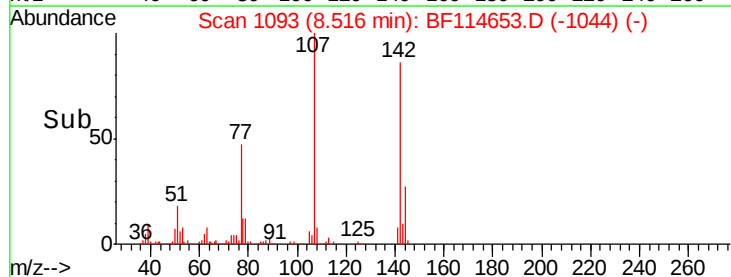
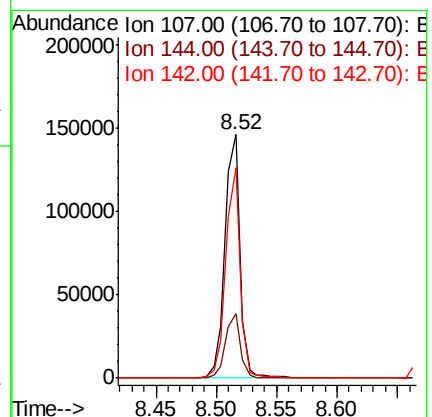
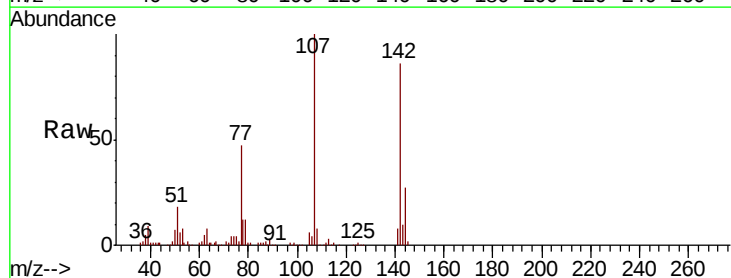
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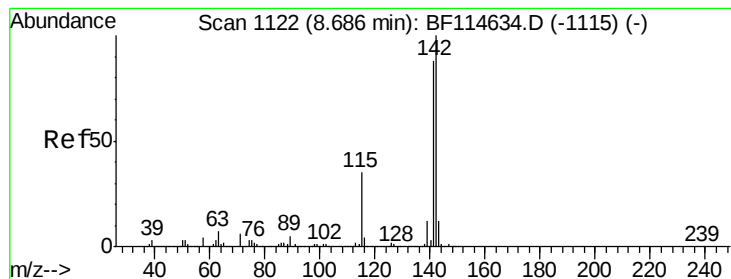
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#36
4-Chloro-3-methylphenol
Concen: 5.932 ng
RT: 8.52 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.6	22.5	33.7
142	86.4	69.8	104.6





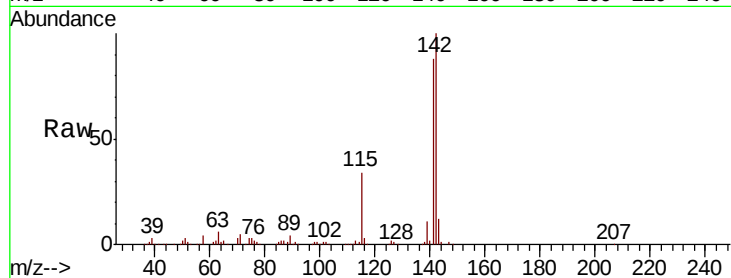
#37
2-Methylnaphthalene
Concen: 6.741 ng
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
142	100	311510		
141	87.5	70.3	105.5	
115	33.8	28.0	42.0	

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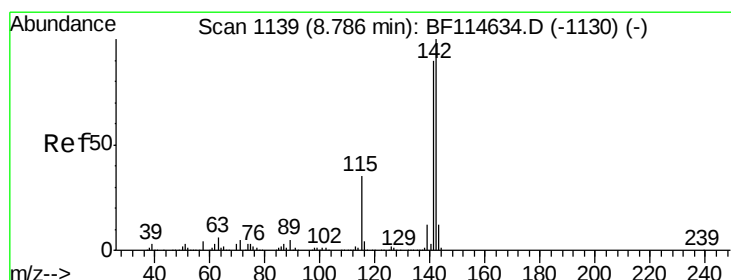
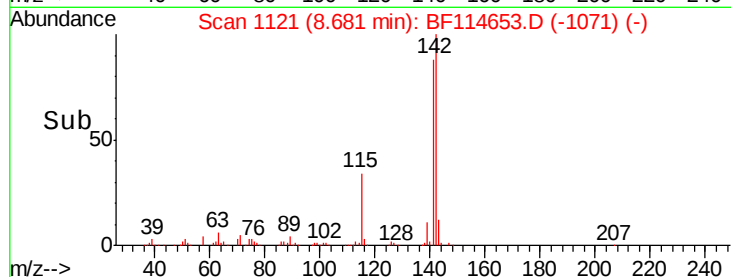
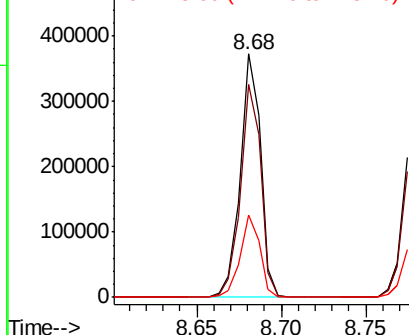


Abundance

Ion 142.00 (141.70 to 142.70): E

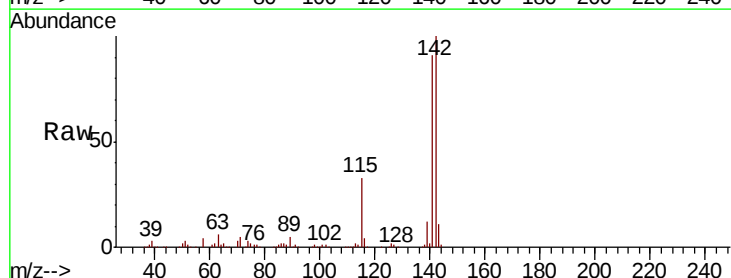
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 6.806 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	297989		
141	90.7	72.3	108.5	
116	3.6	3.0	4.4	

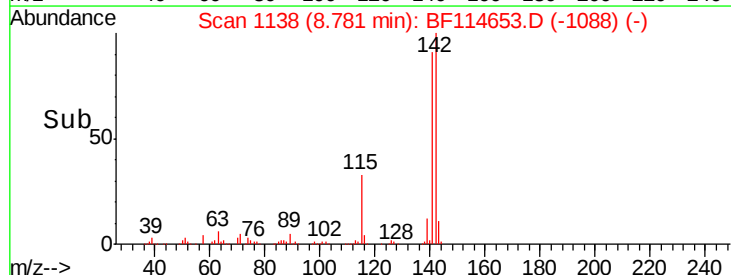
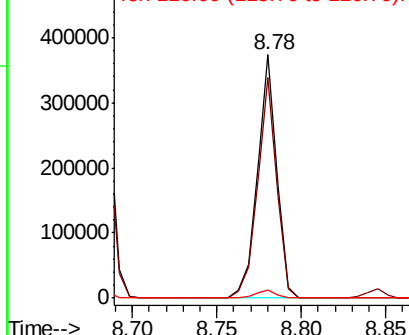


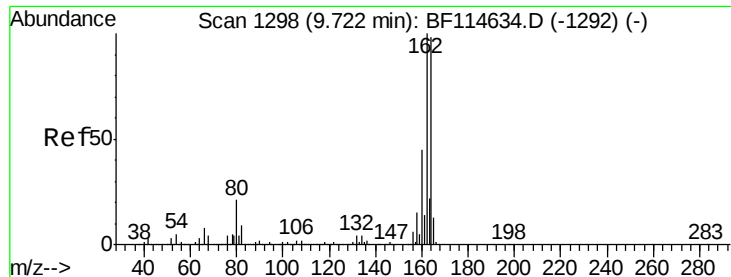
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





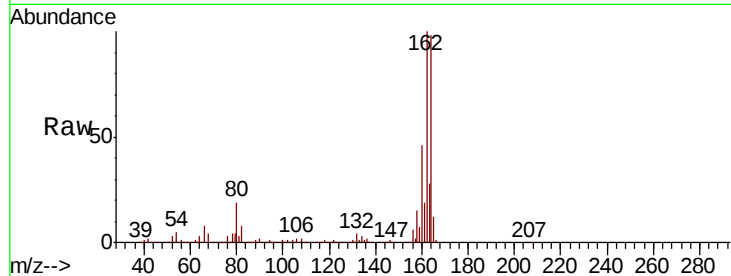
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	81.4	122.2	
160	47.1	36.6	54.8	

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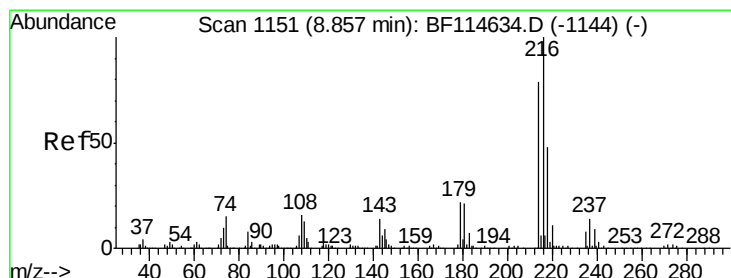
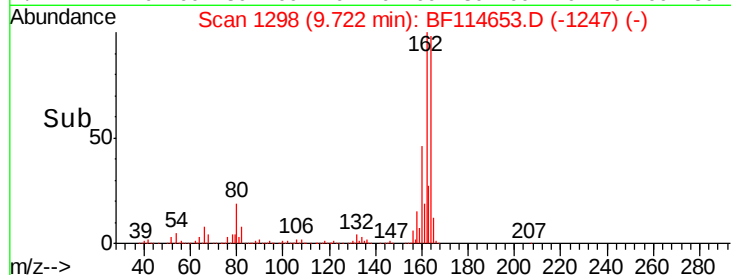
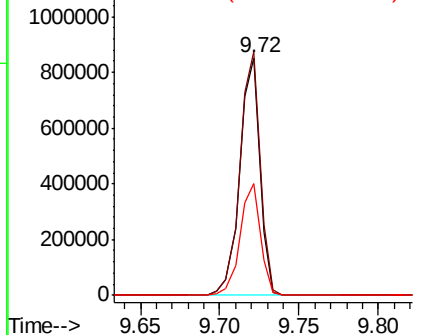


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.747 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	77.9	63.2	94.8	
179	21.5	17.9	26.9	
108	19.8	15.8	23.8	

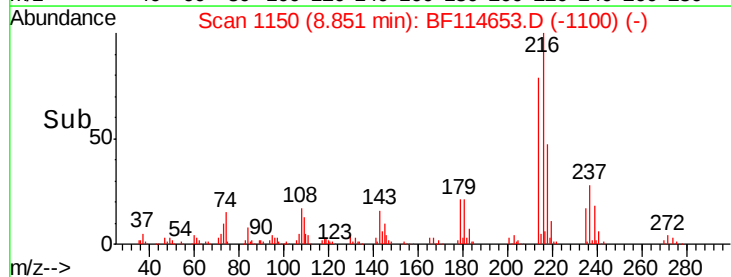
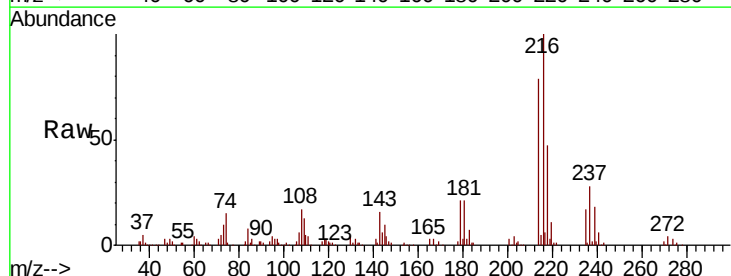
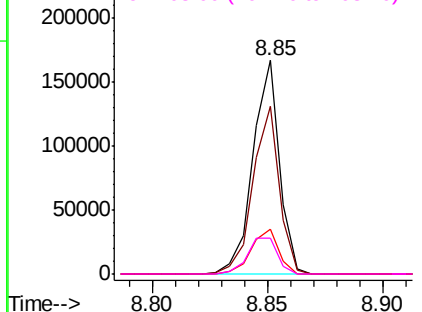
Abundance

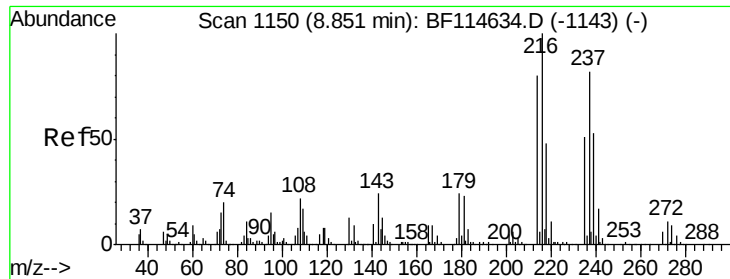
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





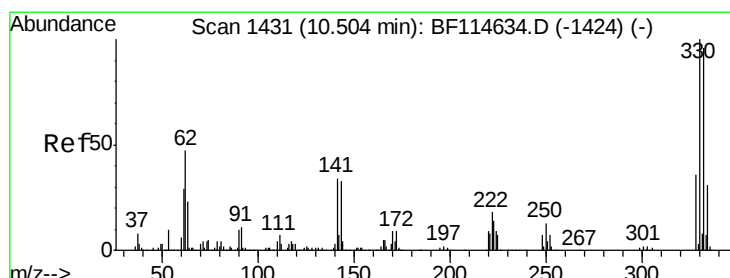
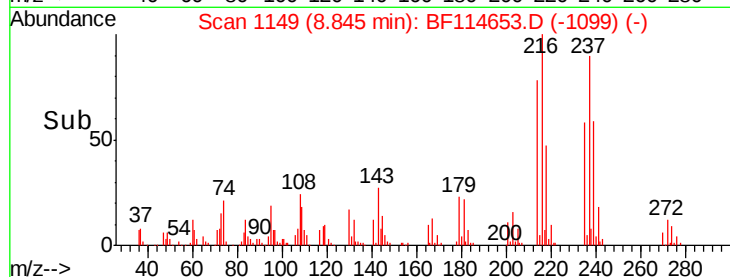
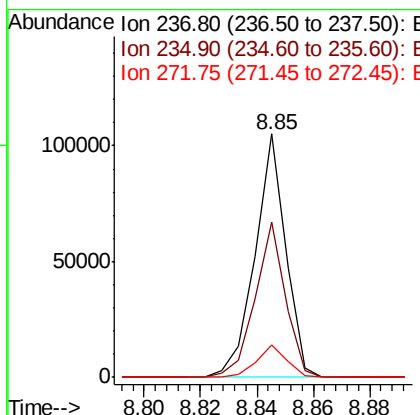
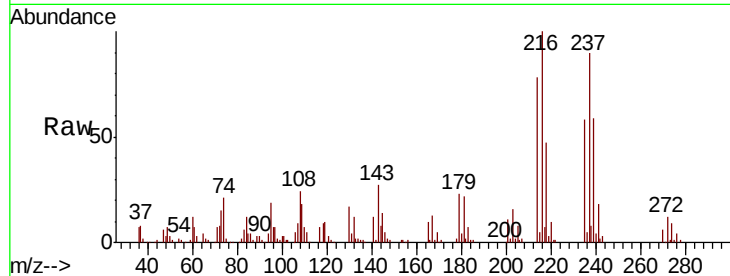
#41
Hexachlorocyclopentadiene
Concen: 6.029 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.9	42.8	82.8	
272	13.3	0.0	33.7	

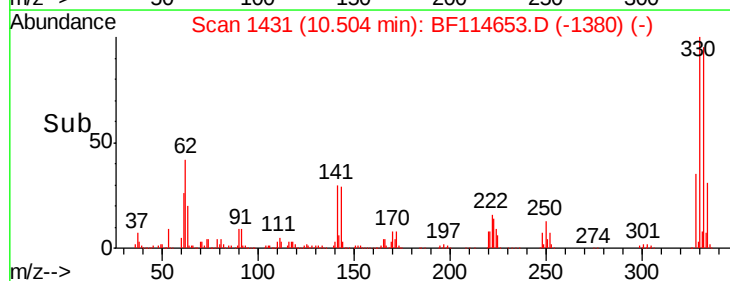
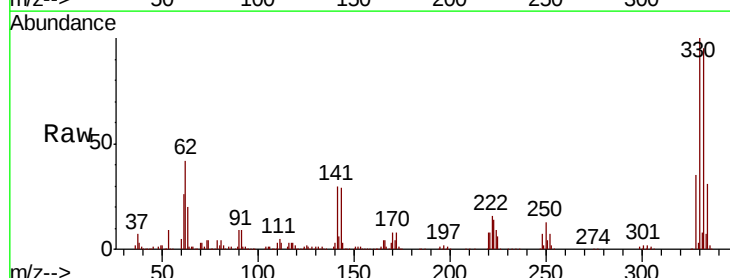
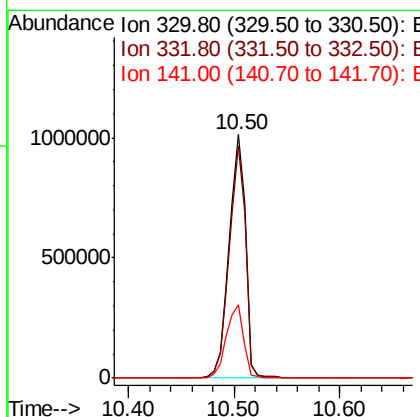
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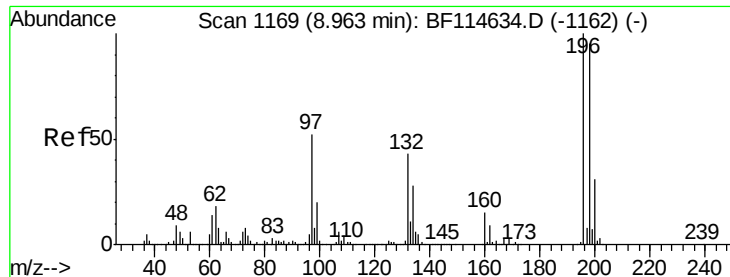
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#42
2,4,6-Tribromophenol
Concen: 152.612 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	75.8	113.8	
141	31.6	27.8	41.8	





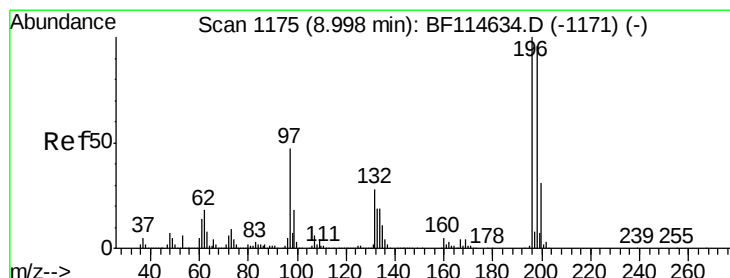
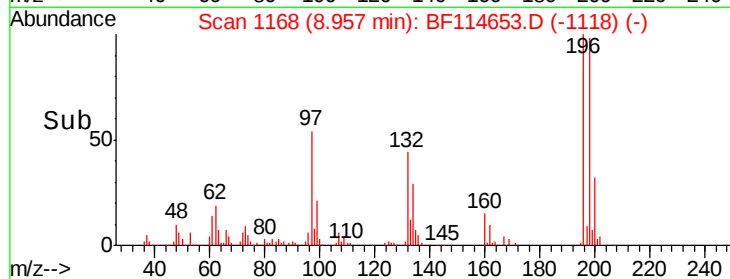
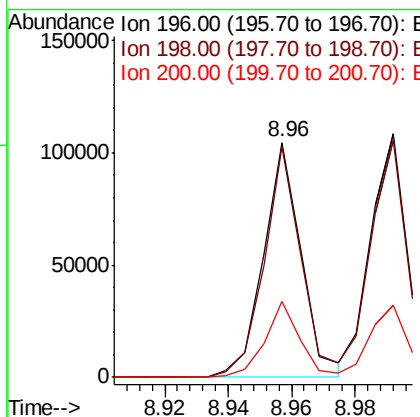
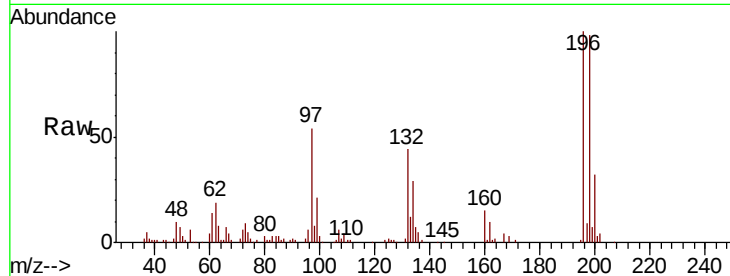
#43
 2,4,6-Trichlorophenol
 Concen: 5.539 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	86781		
198	98.2	76.1	114.1	
200	32.2	24.7	37.1	

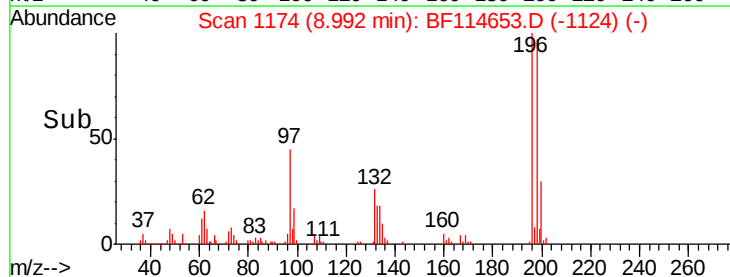
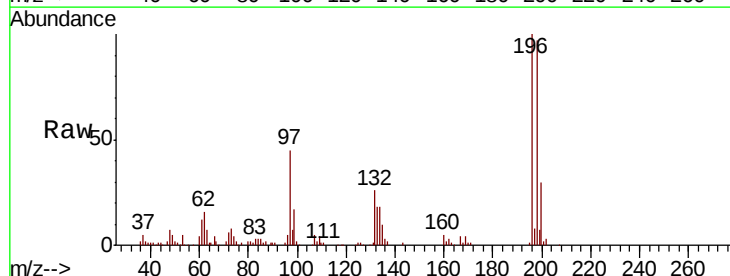
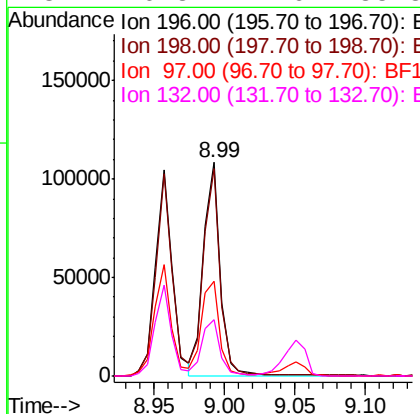
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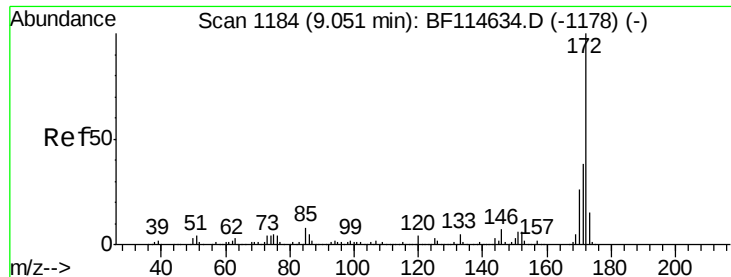
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#44
 2,4,5-Trichlorophenol
 Concen: 5.825 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	91081		
198	97.2	76.8	115.2	
97	44.6	37.8	56.8	
132	26.3	22.6	33.8	





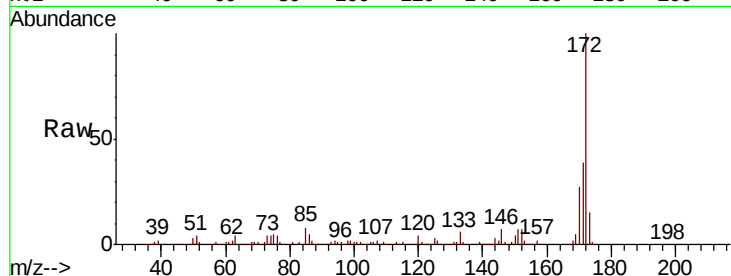
#45
2-Fluorobiphenyl
Concen: 83.988 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.4	30.6	45.8
170	27.0	20.7	31.1

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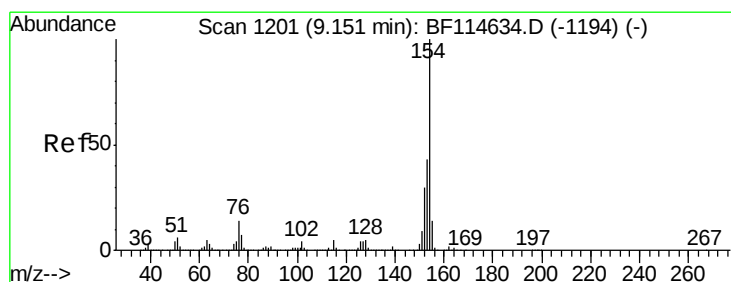
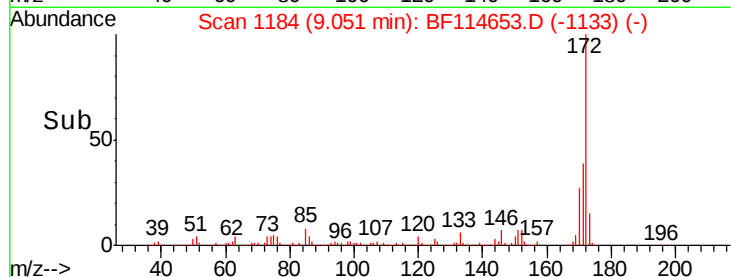
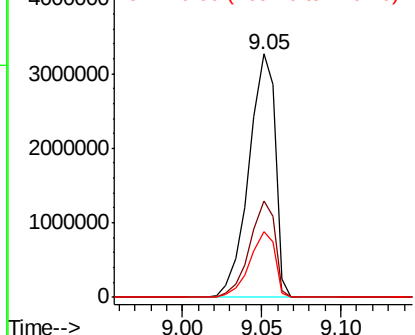


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 6.861 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

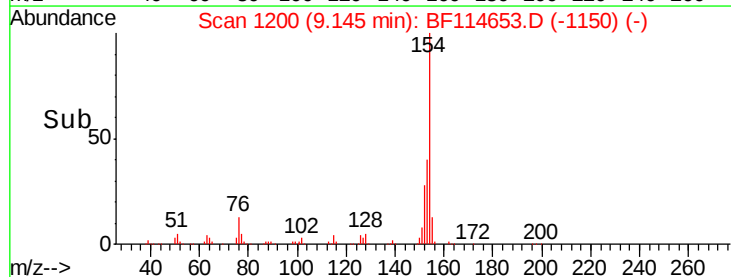
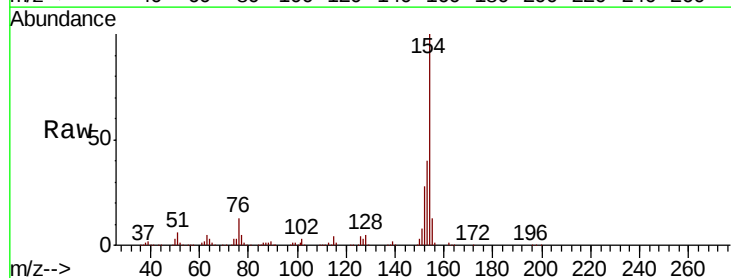
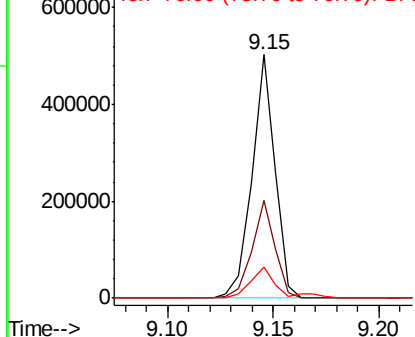
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	23.0	63.0
76	12.6	0.0	33.9

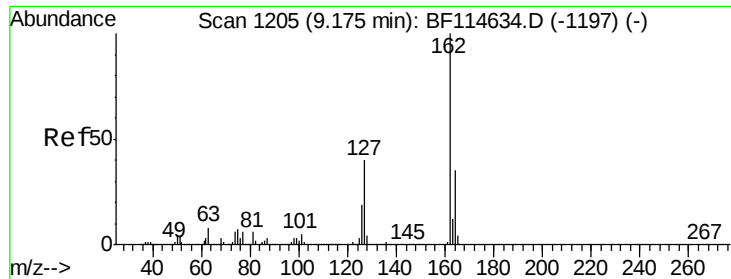
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





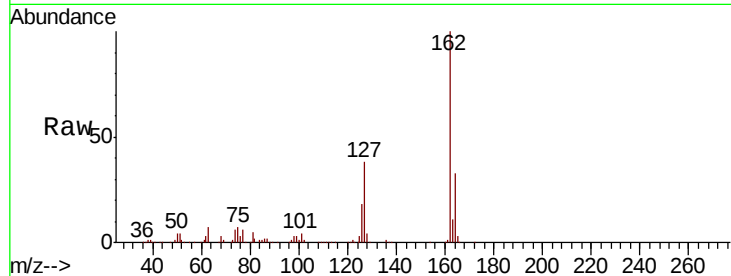
#47
2-Chloronaphthalene
Concen: 6.316 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.2	48.2
164	32.6	27.8	41.6

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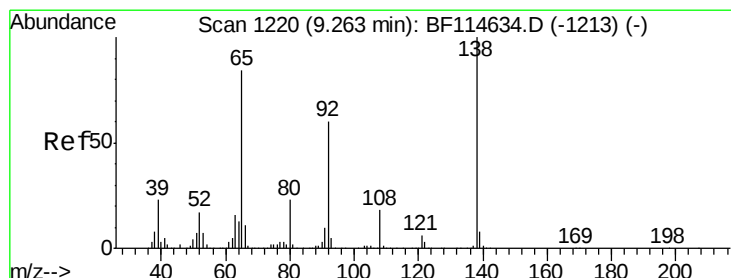
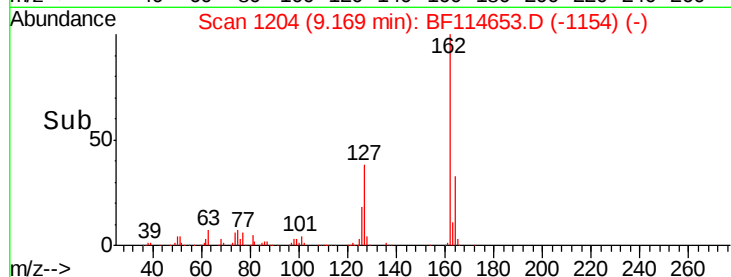
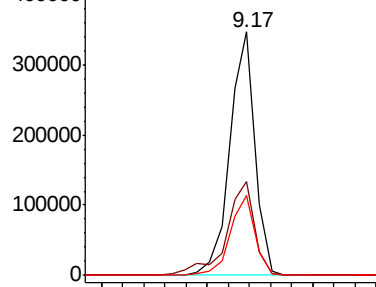


Abundance

Ion 162.00 (161.70 to 162.70): E

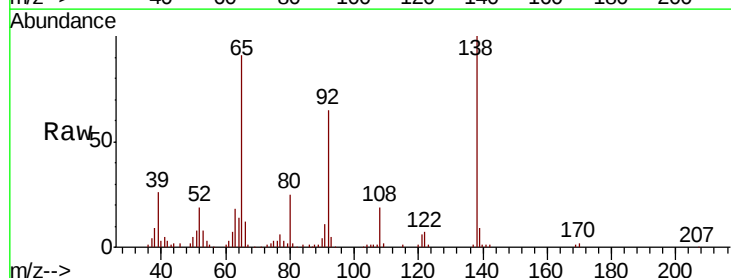
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 4.811 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.3	57.1	85.7
138	109.6	95.8	143.6

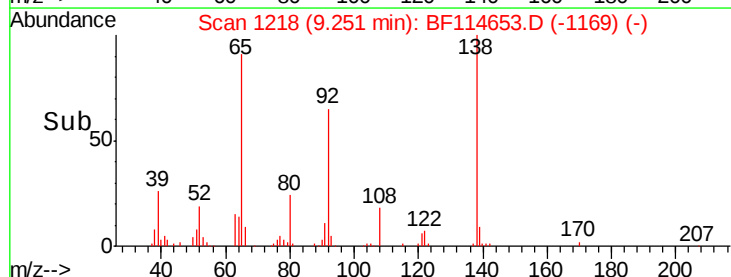
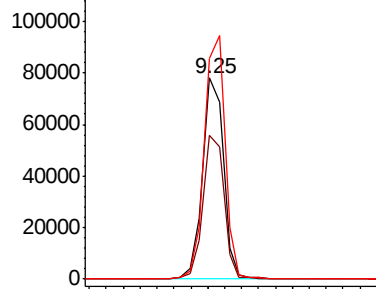


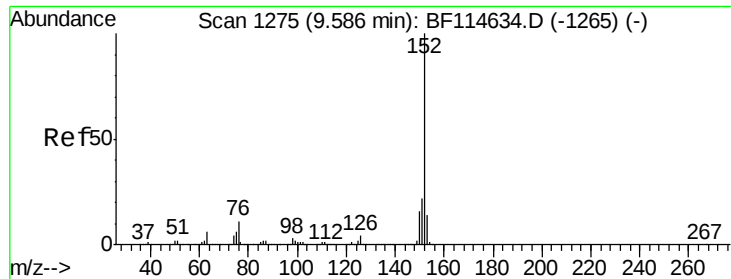
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 6.627 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

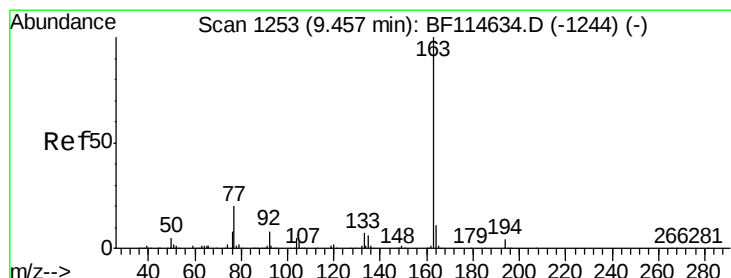
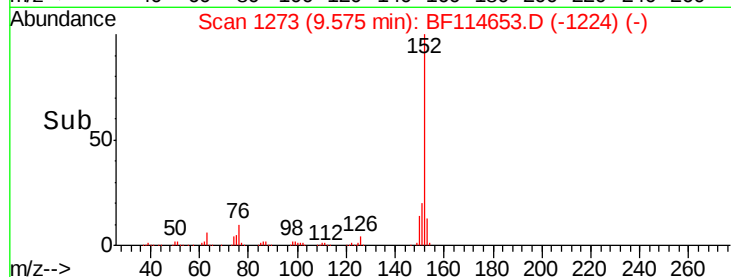
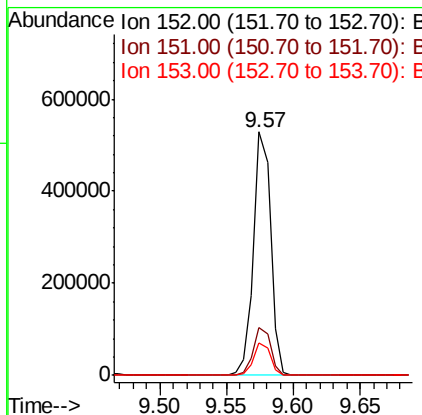
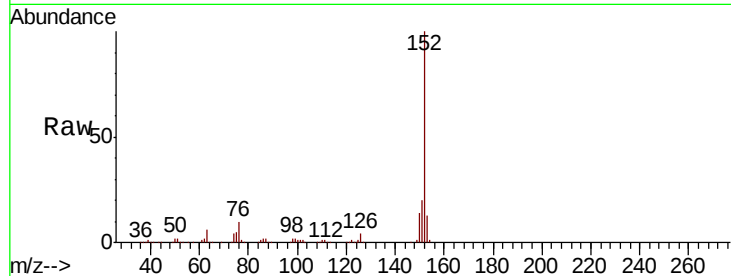
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.5	26.3
153	13.3	11.6	17.4

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#50

Dimethylphthalate

Concen: 6.149 ng

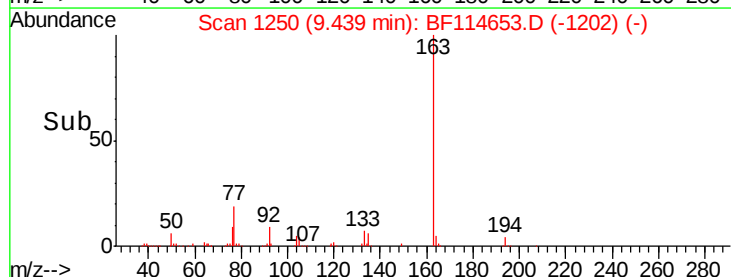
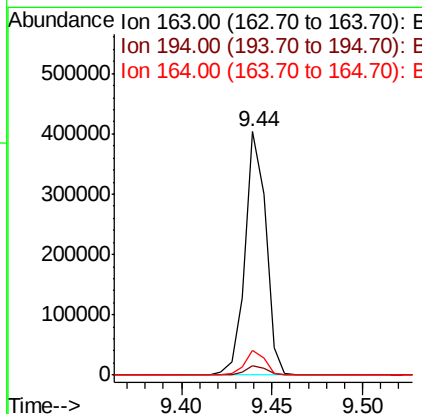
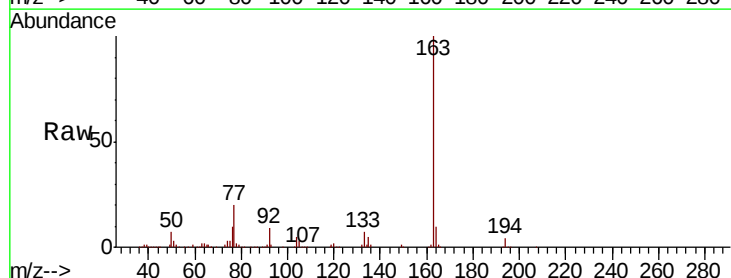
RT: 9.44 min Scan# 1250

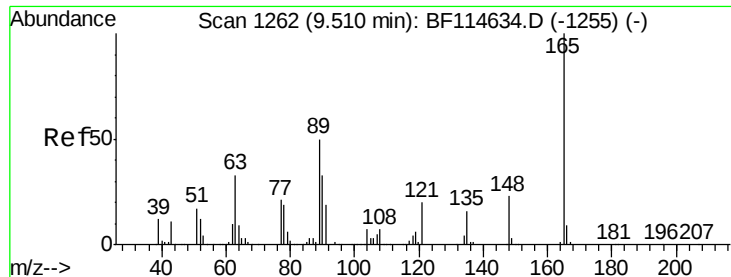
Delta R.T. -0.02 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.3	8.6	13.0





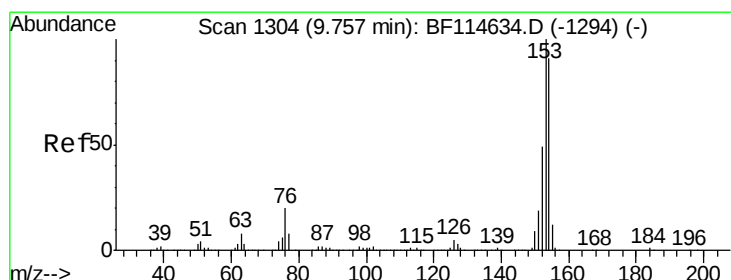
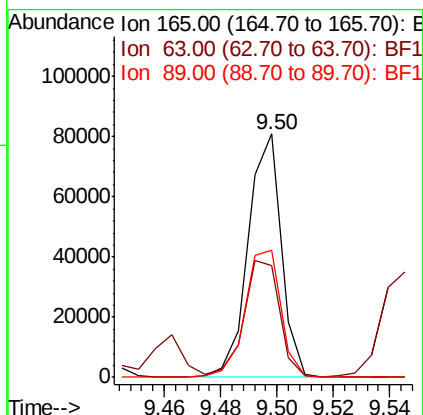
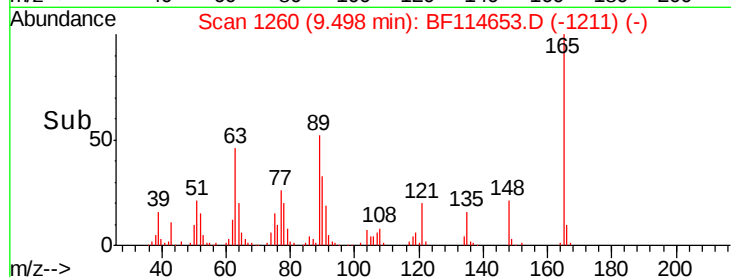
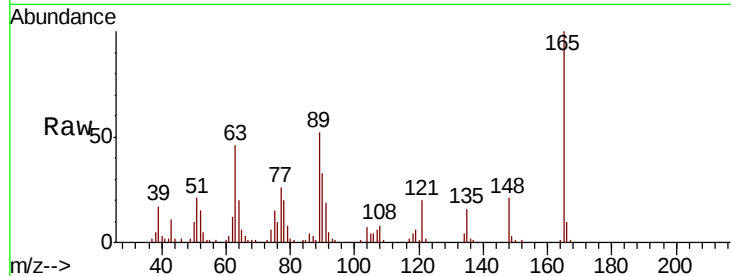
#51
2,6-Dinitrotoluene
Concen: 5.447 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	65947		
63	45.9	36.6	54.8	
89	52.5	40.2	60.4	

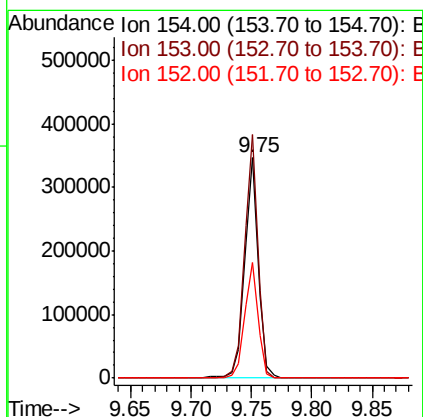
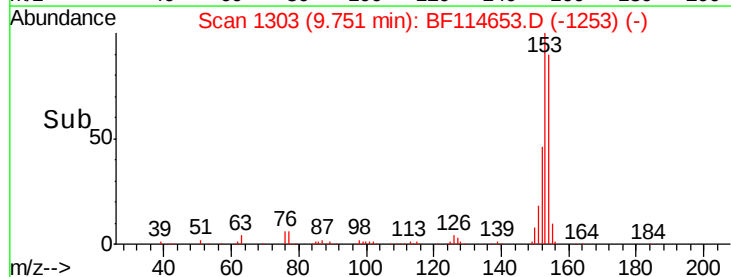
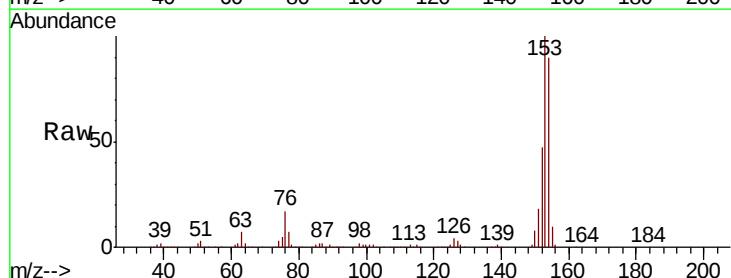
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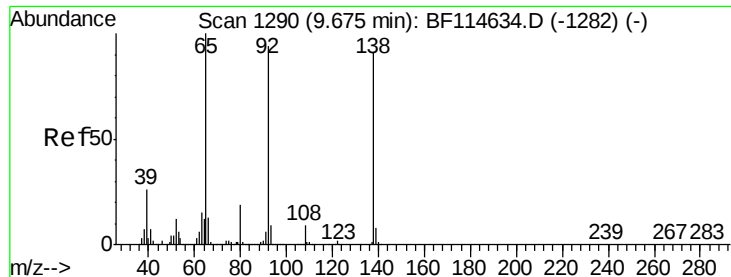
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#52
Acenaphthene
Concen: 6.365 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	274571		
153	110.5	88.4	132.6	
152	52.5	43.4	65.0	





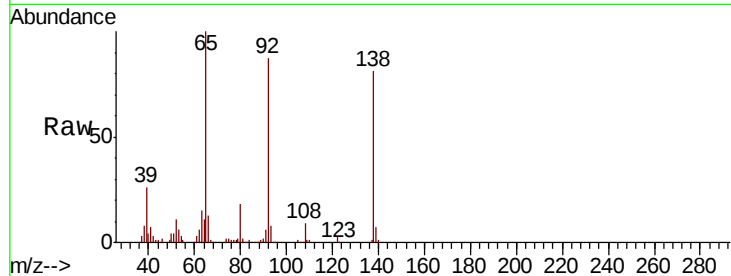
#53
3-Nitroaniline
Concen: 5.069 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.3	12.5
92	107.7	83.1	124.7

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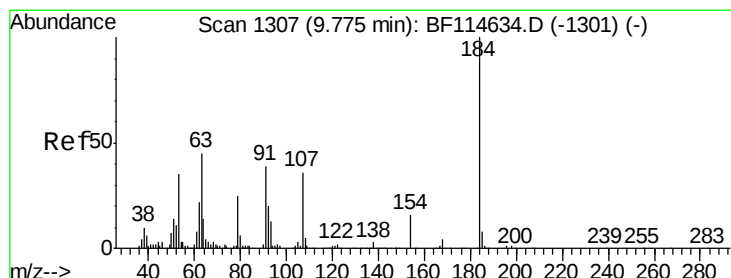
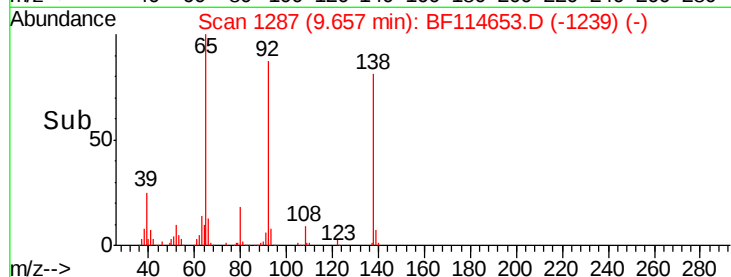
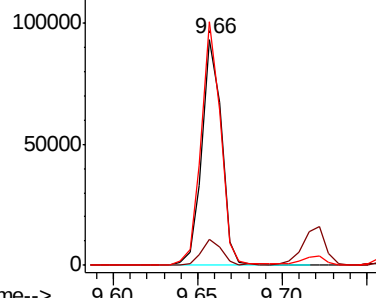


Abundance

Ion 138.00 (137.70 to 138.70): E

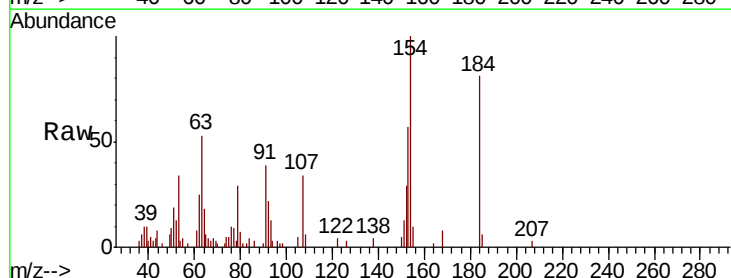
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 2.633 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.4	38.8	58.2#
154	122.7	43.7	65.5#

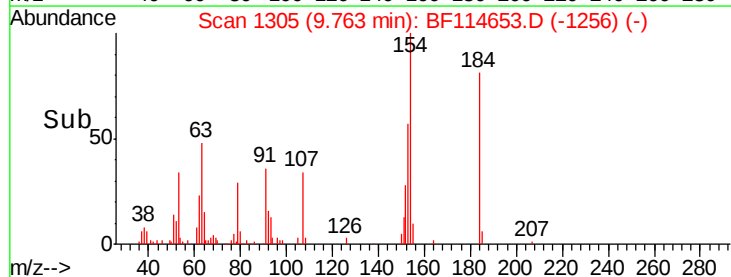
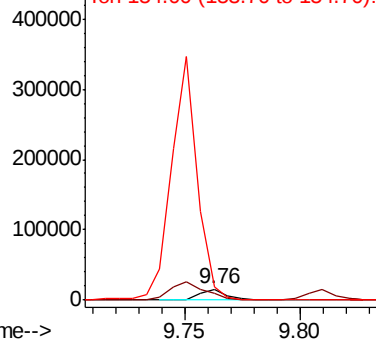


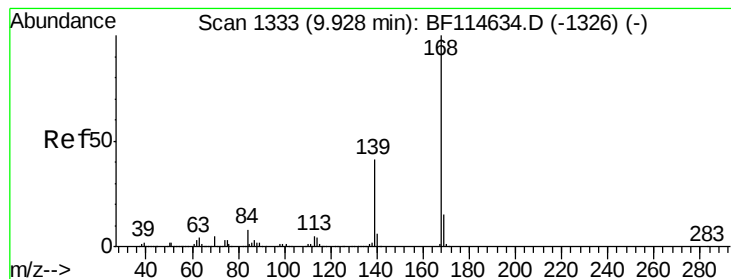
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 6.661 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

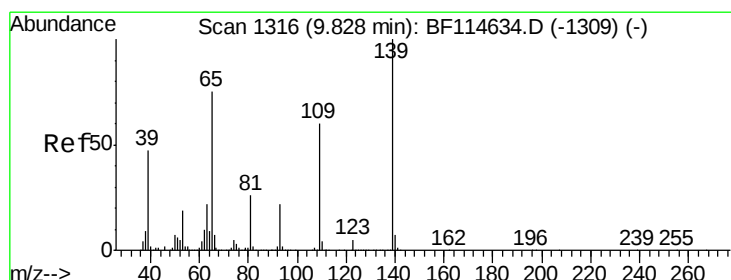
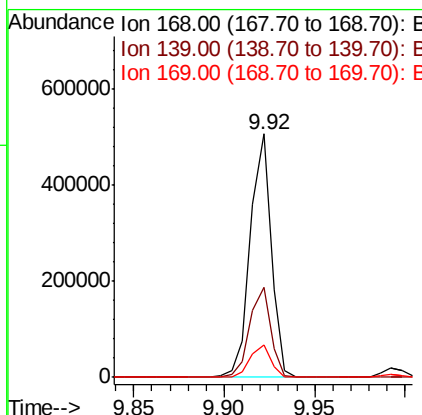
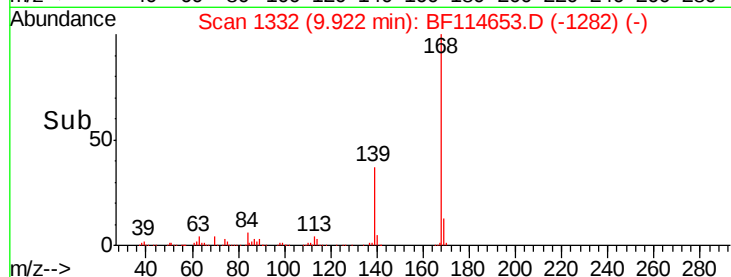
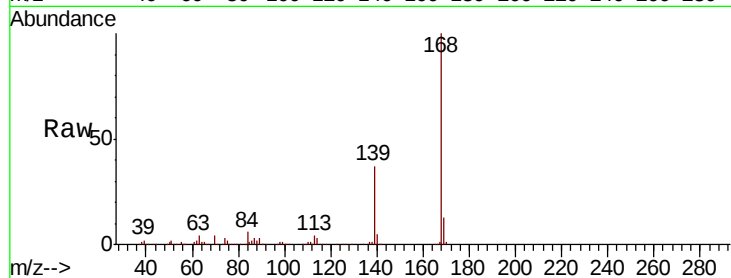
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	168	Resp:	409019
Ion Ratio	Lower	Upper	
168	100		
139	36.9	32.6	48.8
169	13.4	11.8	17.8

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#56

4-Nitrophenol

Concen: 4.753 ng

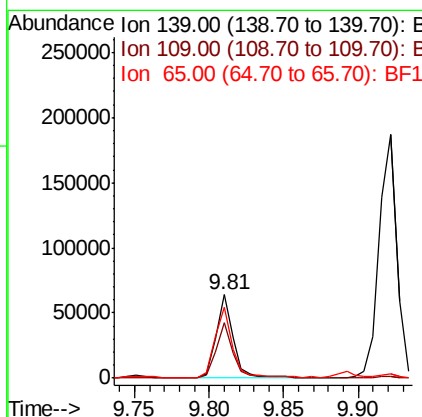
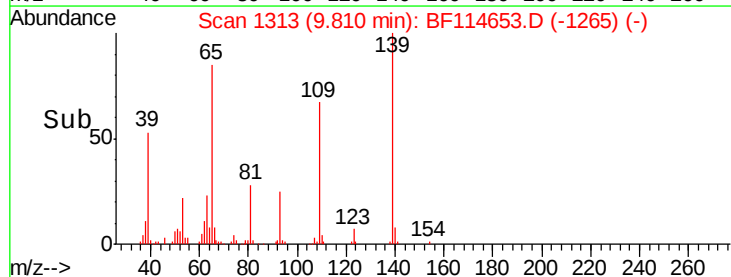
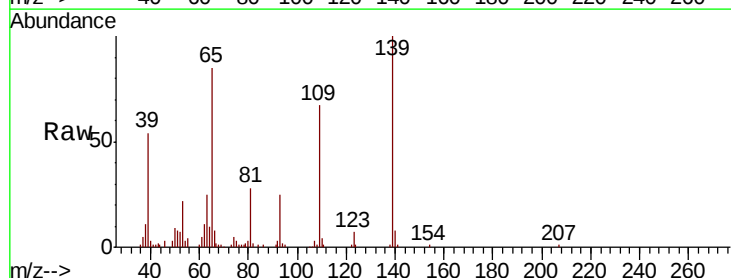
RT: 9.81 min Scan# 1313

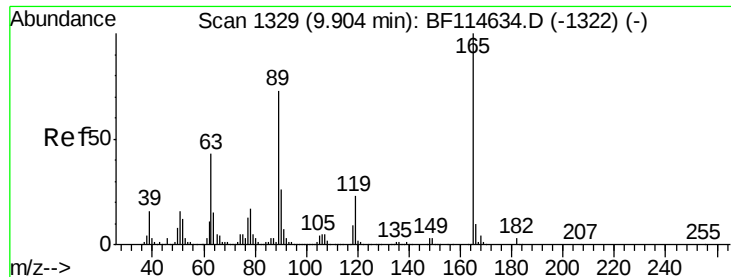
Delta R.T. -0.02 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	139	Resp:	52196
Ion Ratio	Lower	Upper	
139	100		
109	66.9	40.4	80.4
65	84.6	54.7	94.7





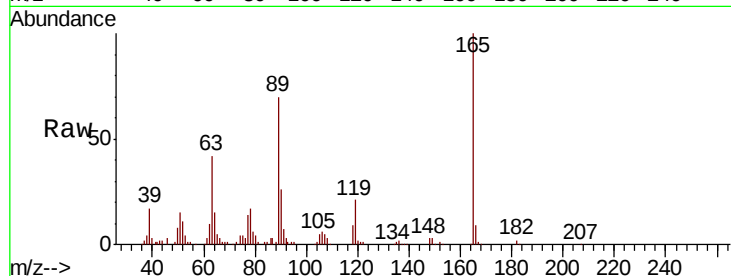
#57
2,4-Dinitrotoluene
Concen: 5.109 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

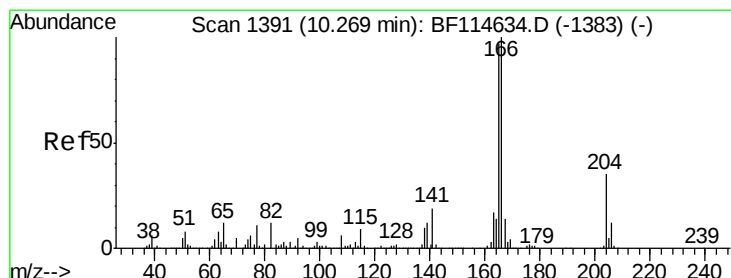
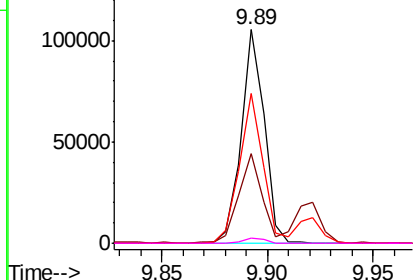
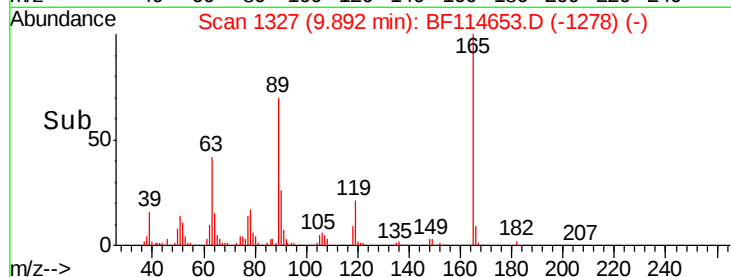
Tot Ion	Ratio	Lower	Upper
165	100		
63	42.0	34.8	52.2
89	70.2	58.5	87.7
182	2.2	2.2	3.2

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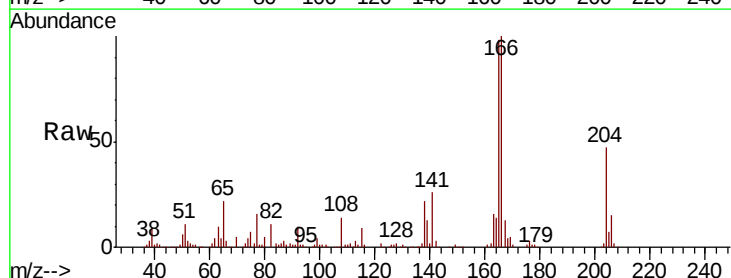


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

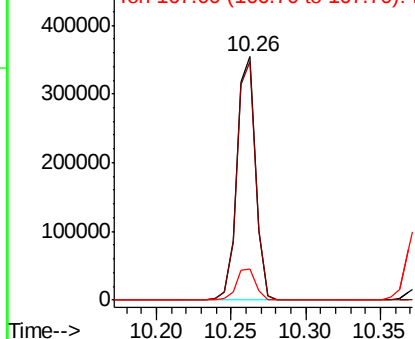
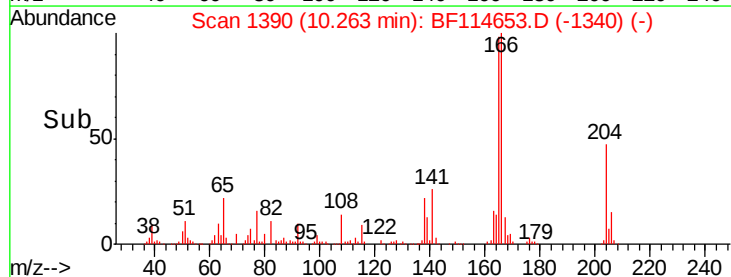


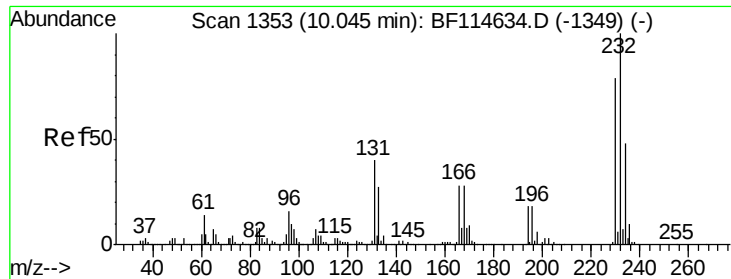
#58
Fluorene
Concen: 7.530 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.6	116.4
167	12.9	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





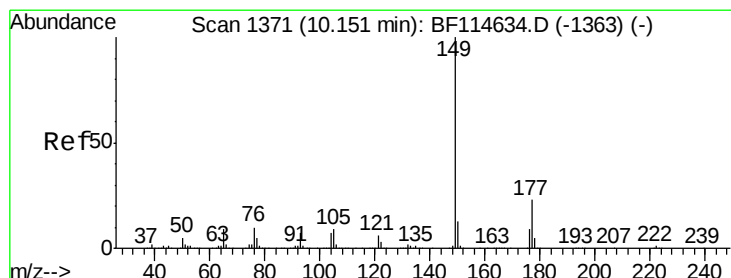
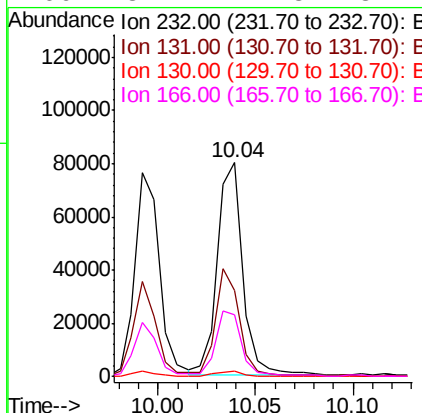
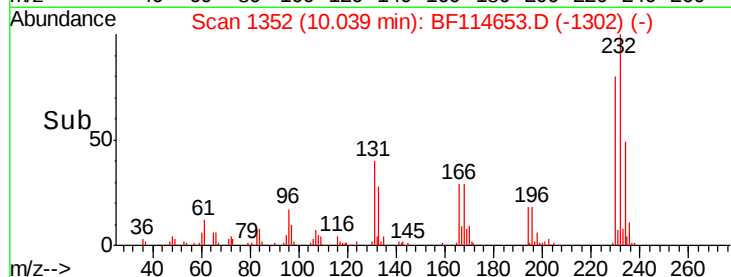
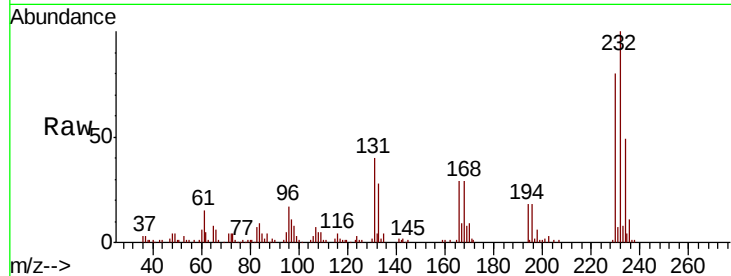
#59
2,3,4,6-Tetrachlorophenol
Concen: 5.673 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.0	37.2	55.8
130	2.3	1.8	2.8
166	32.4	24.8	37.2

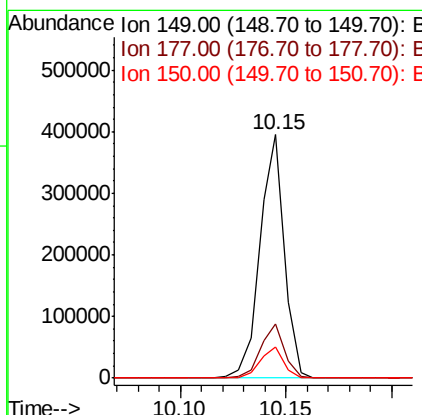
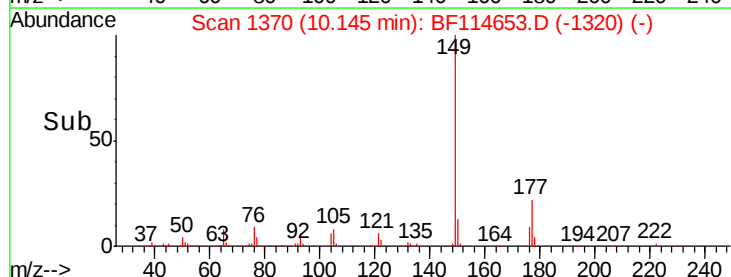
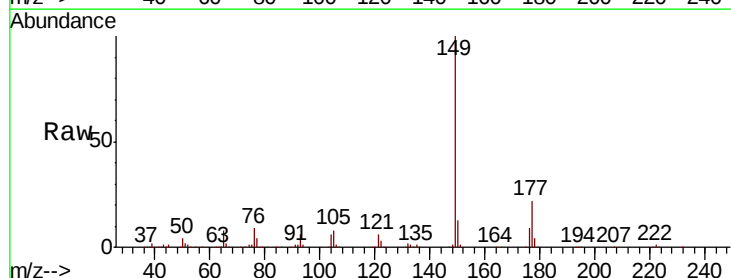
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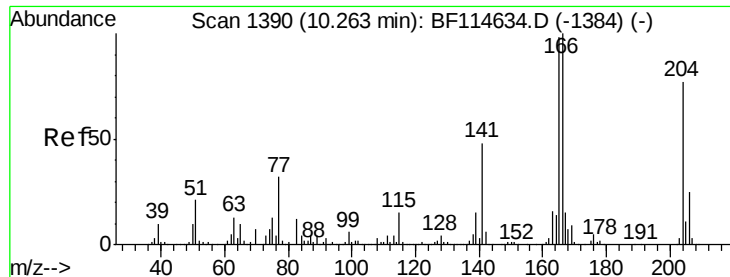
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#60
Diethylphthalate
Concen: 5.959 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.6	28.0
150	12.7	10.6	15.8





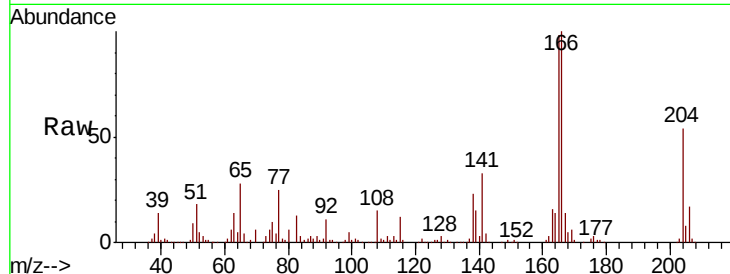
#61
 4-Chlorophenyl-phenylether
 Concen: 7.373 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

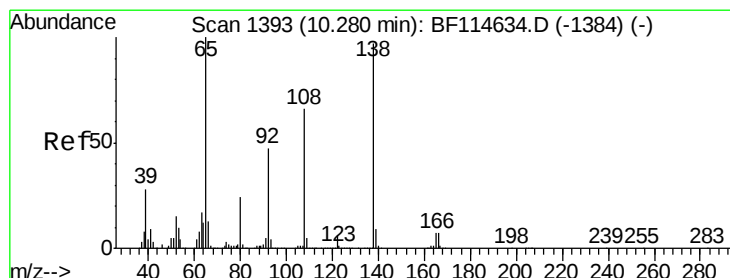
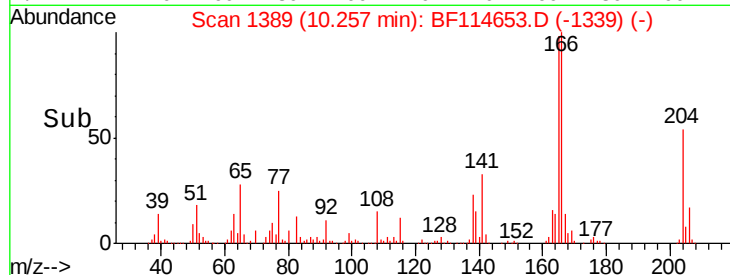
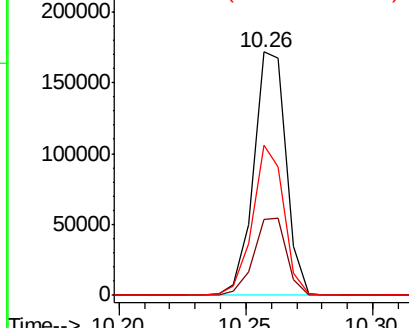
Tot Ion:	204	Resp:	152936
Ion Ratio	Lower	Upper	
204	100		
206	31.4	26.4	39.6
141	61.9	50.0	75.0

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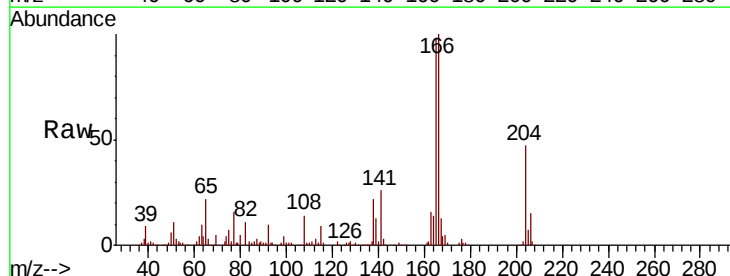


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

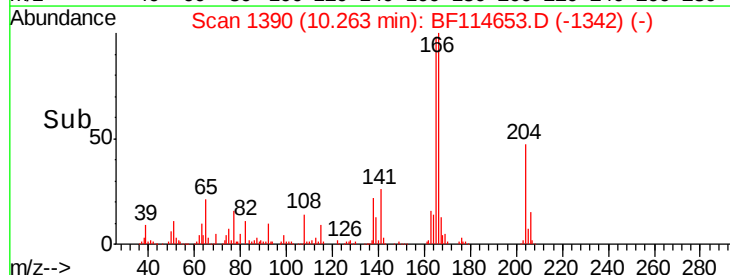
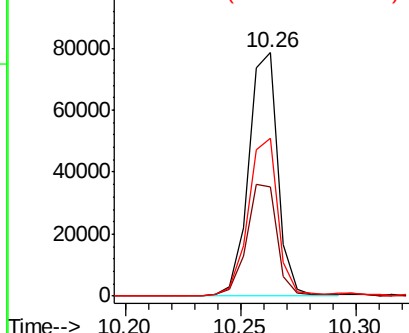


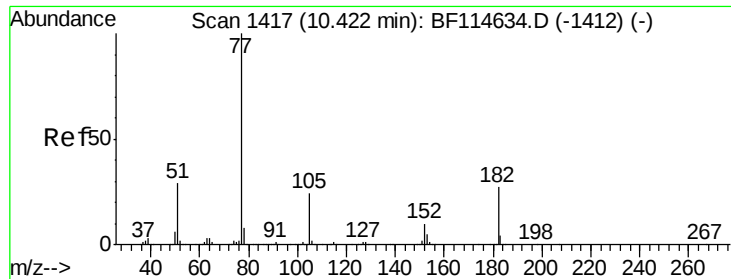
#62
 4-Nitroaniline
 Concen: 4.850 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Tgt Ion:	138	Resp:	70024
Ion Ratio	Lower	Upper	
138	100		
92	45.0	28.0	68.0
108	64.8	48.4	88.4



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





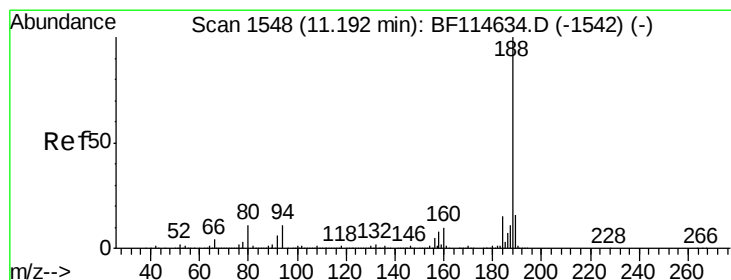
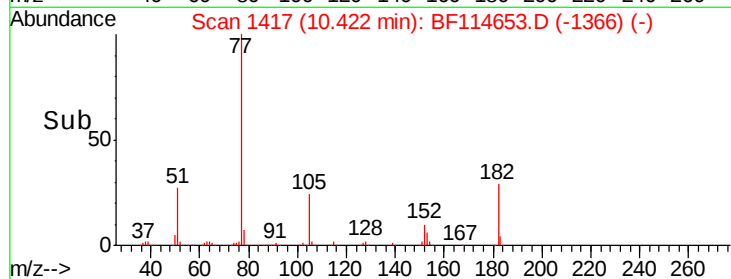
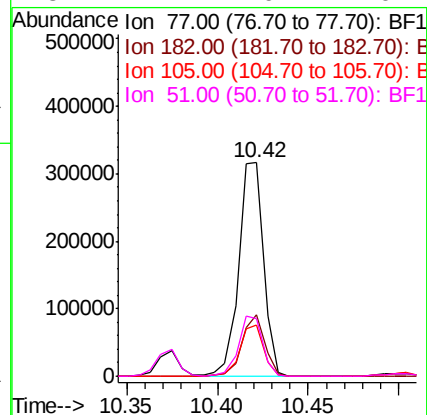
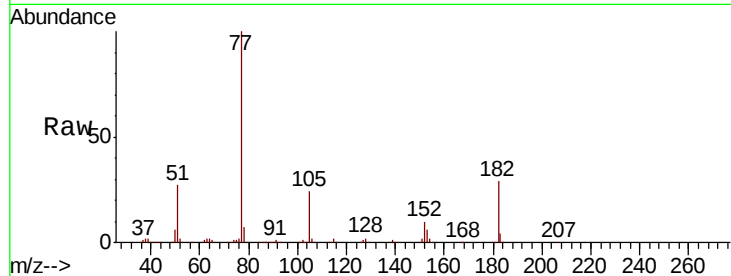
#63
Azobenzene
Concen: 6.212 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.9	7.0	47.0
105	23.7	3.7	43.7
51	27.1	9.1	49.1

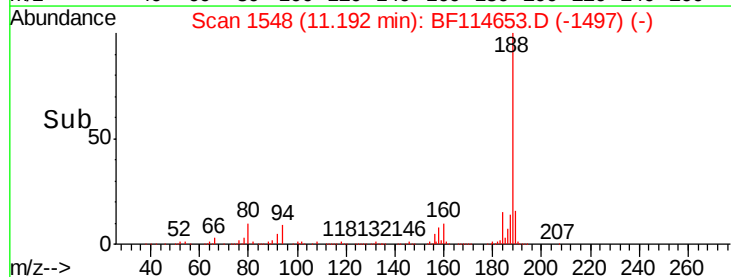
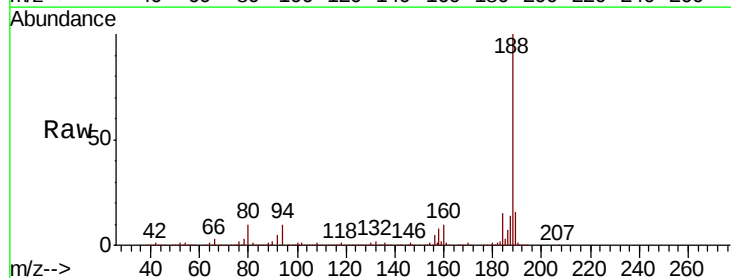
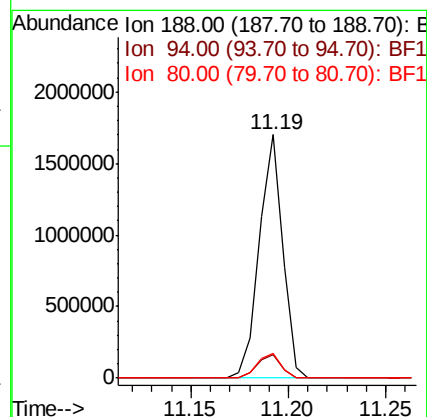
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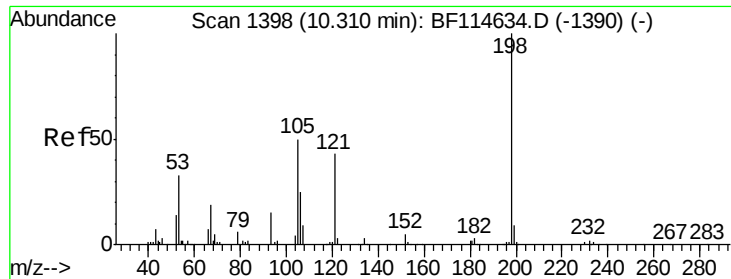
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.6	13.0
80	10.2	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 3.592 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

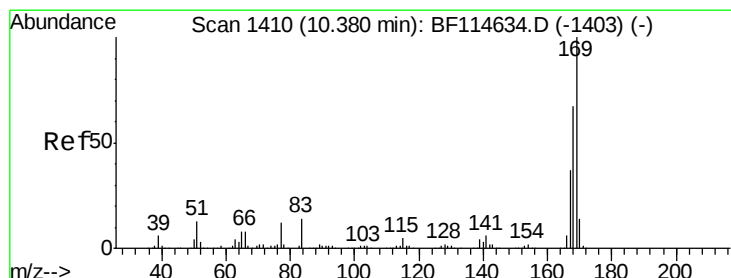
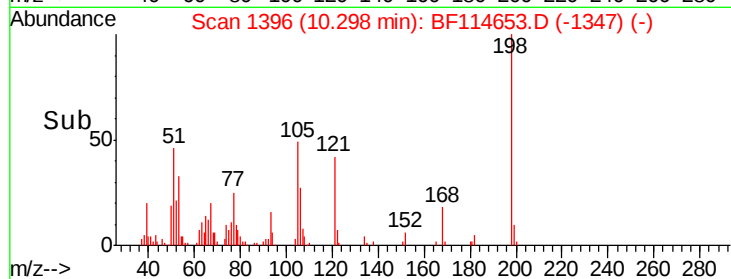
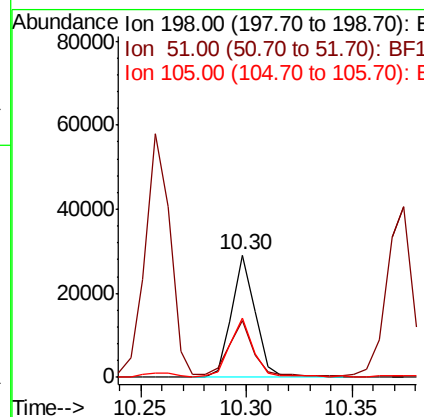
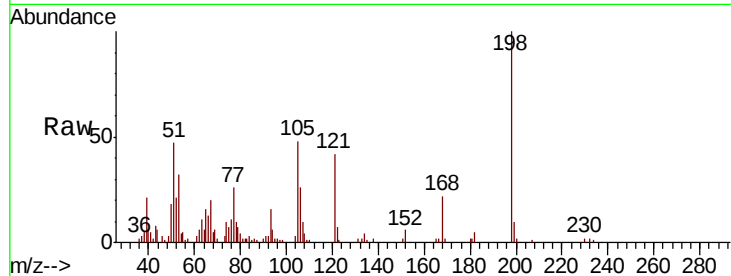
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	198	Resp:	22534
Ion Ratio	Lower	Upper	
198	100		
51	46.6	29.0	69.0
105	48.4	30.4	70.4

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#66

n-Nitrosodiphenylamine

Concen: 6.461 ng

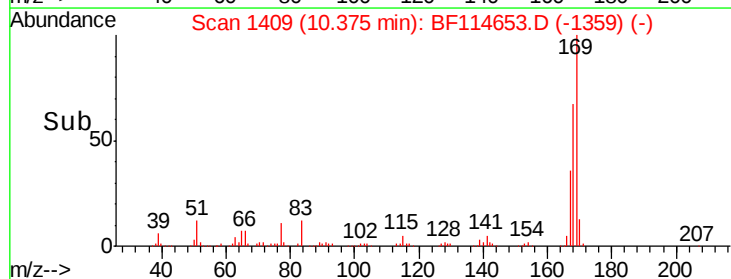
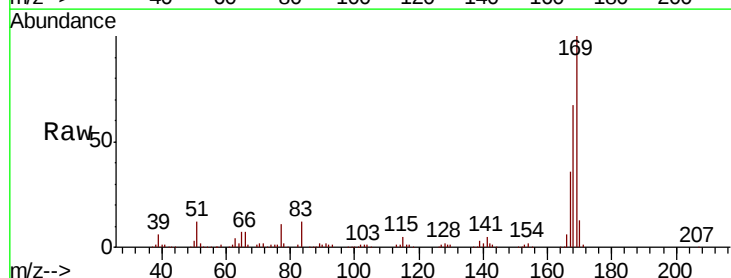
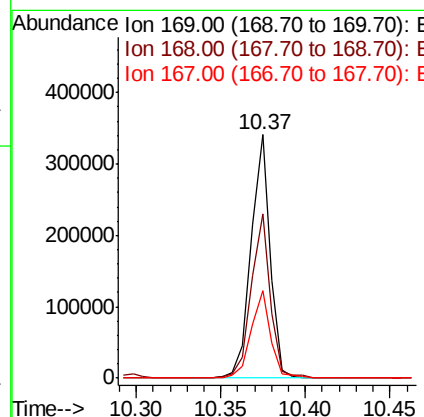
RT: 10.37 min Scan# 1409

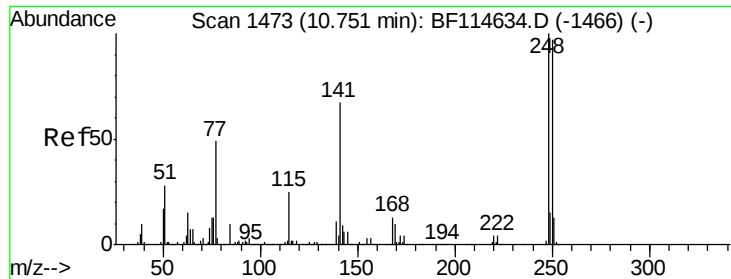
Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	169	Resp:	270038
Ion Ratio	Lower	Upper	
169	100		
168	67.3	53.8	80.8
167	36.0	29.8	44.6





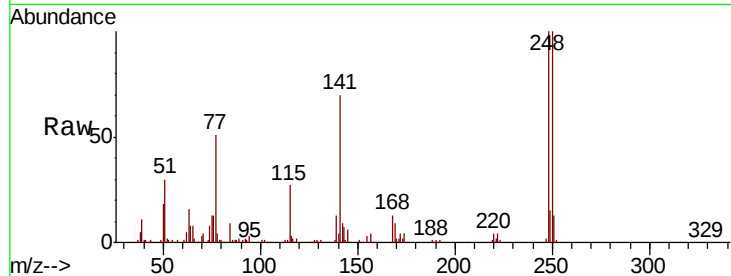
#67
4-Bromophenyl-phenylether
Concen: 5.952 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.9	78.0	117.0
141	70.2	53.8	80.8

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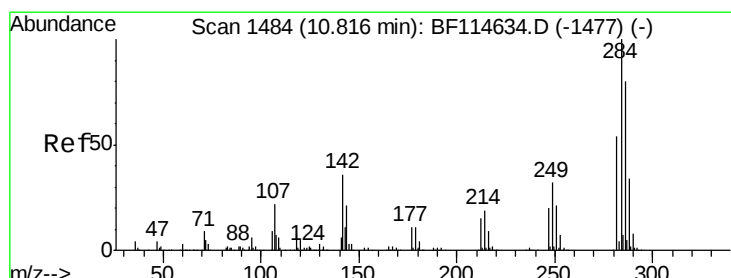
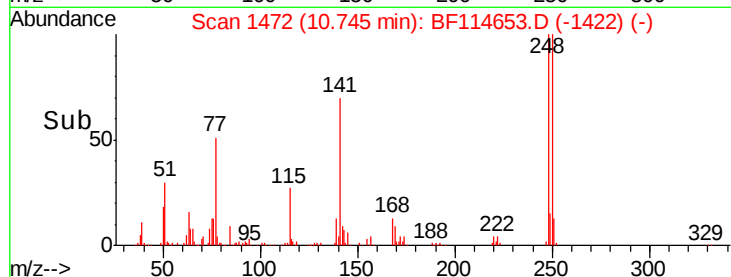
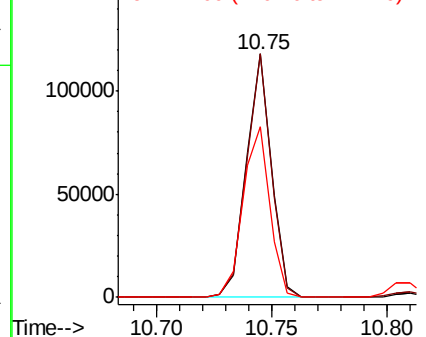


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 5.979 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

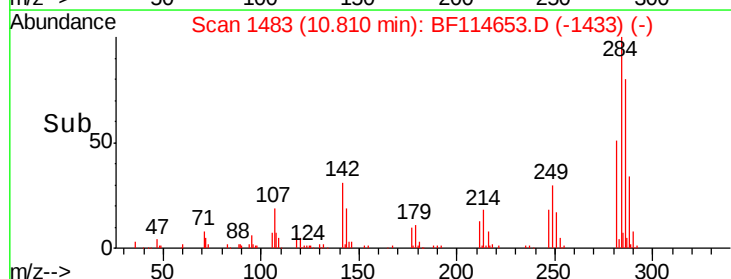
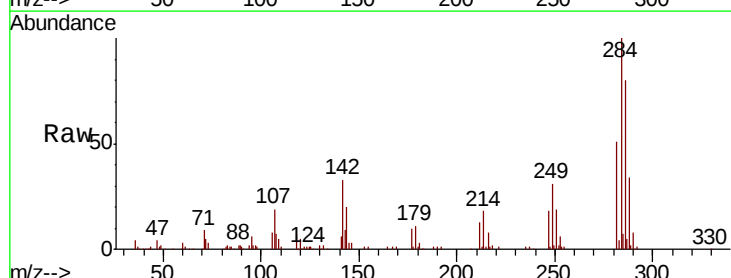
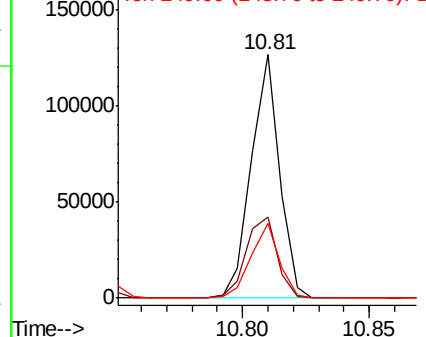
Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.1	28.9	43.3
249	30.9	25.8	38.6

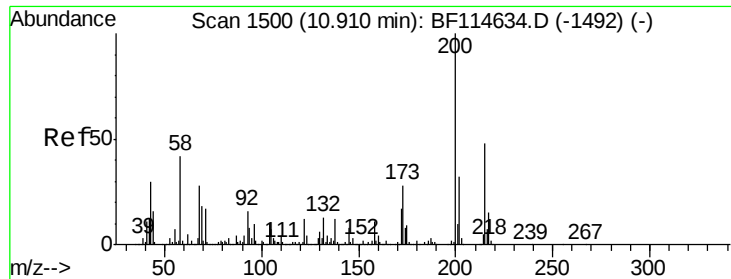
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





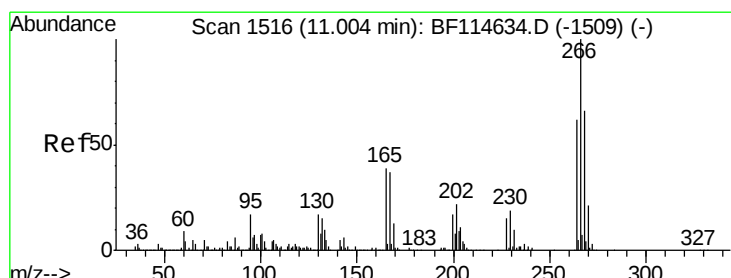
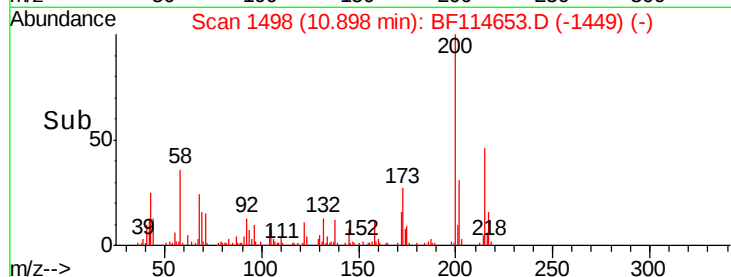
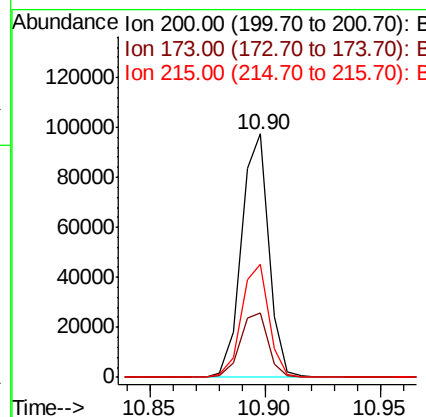
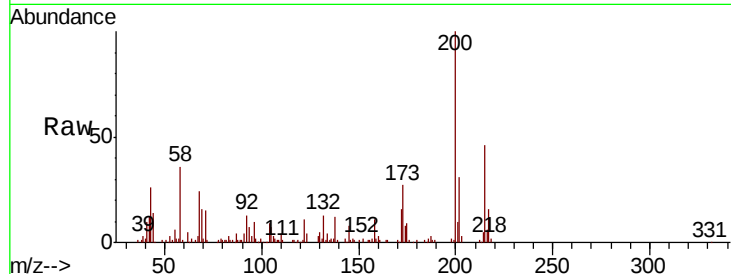
#69
Atrazine
Concen: 6.100 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
200	100	80325		
173	26.6		7.9	47.9
215	46.4		27.8	67.8

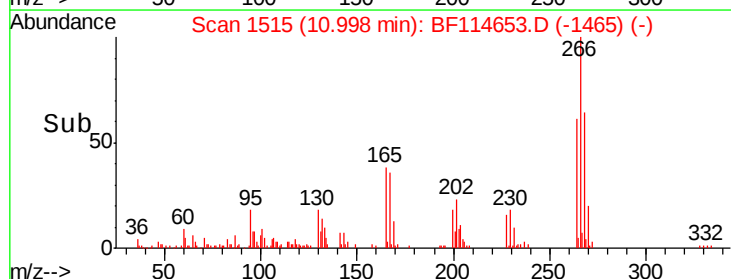
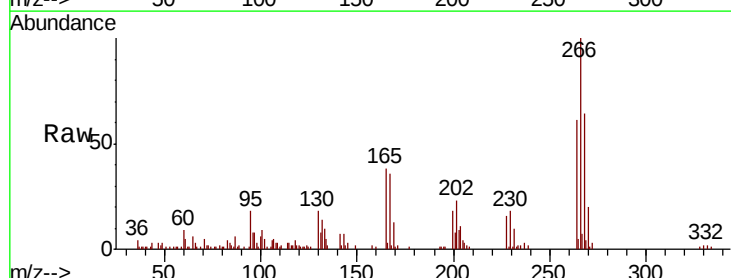
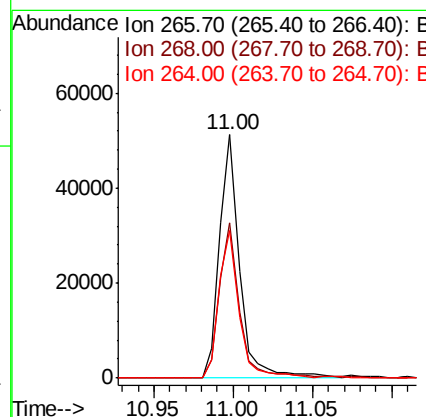
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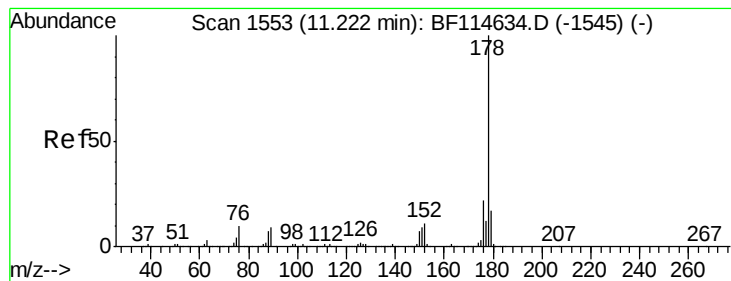
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#70
Pentachlorophenol
Concen: 4.820 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	45651		
268	63.6		52.8	79.2
264	60.7		49.9	74.9





#71

Phenanthrene

Concen: 6.498 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

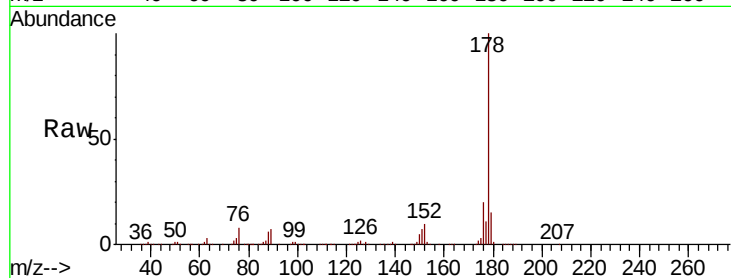
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

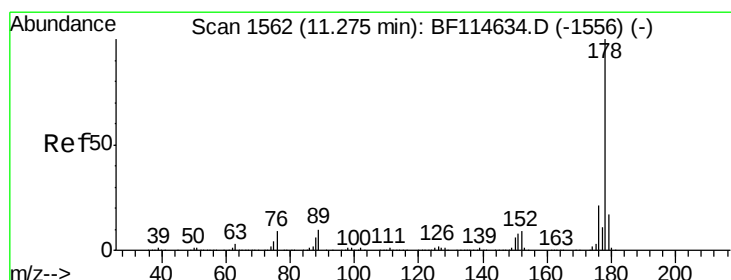
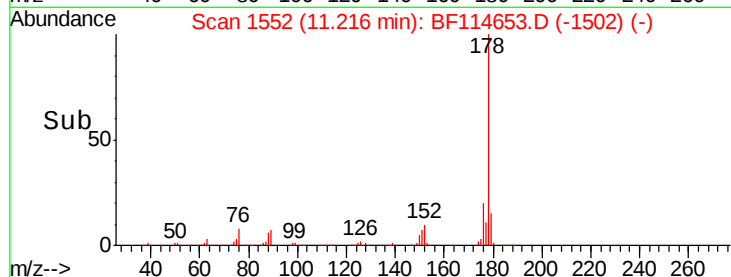
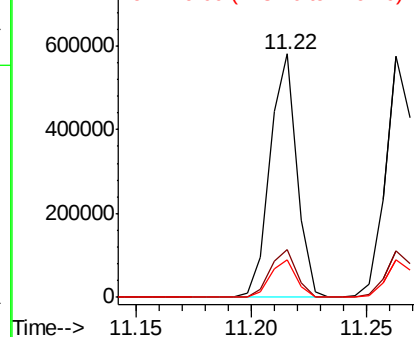
Tot Ion:	178	Resp:	468924
Ion Ratio	Lower	Upper	
178	100		
176	19.9	17.2	25.8
179	15.2	13.9	20.9

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.588 ng

RT: 11.26 min Scan# 1560

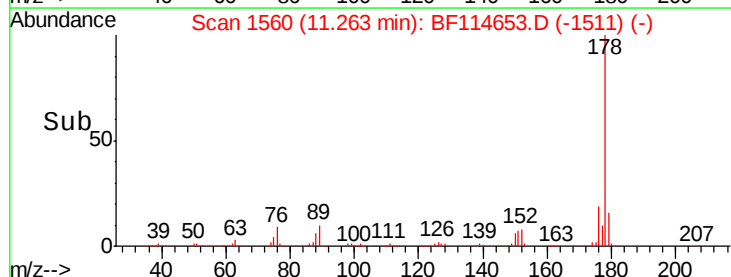
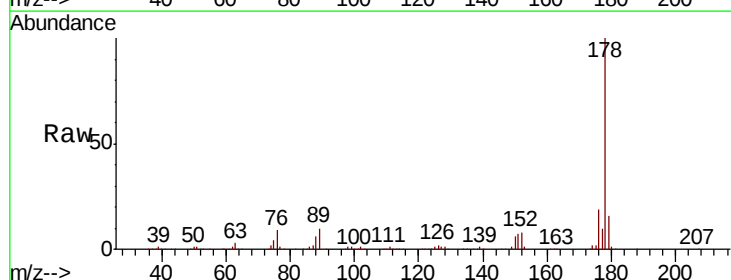
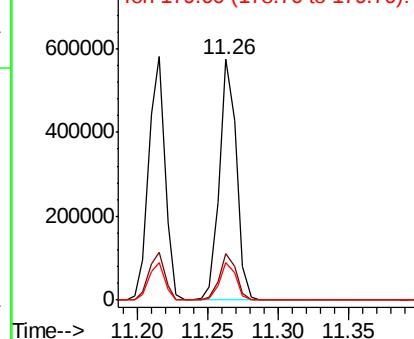
Delta R.T. -0.01 min

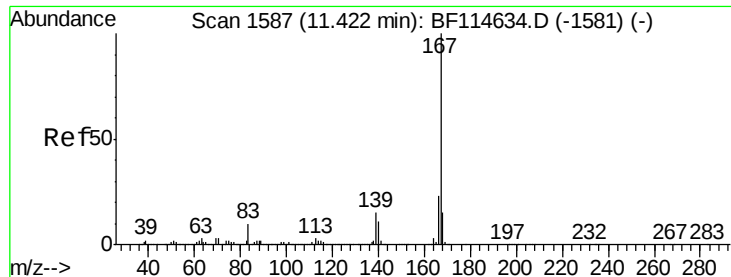
Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	178	Resp:	481132
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.6	24.8
179	15.5	13.4	20.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





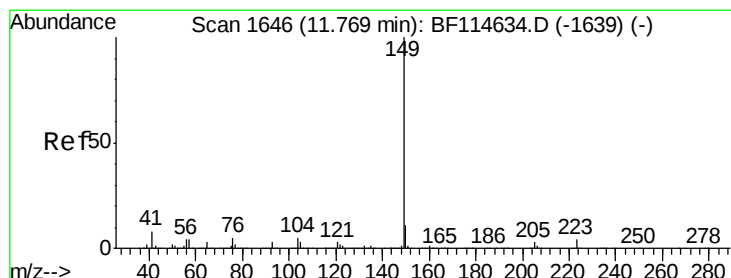
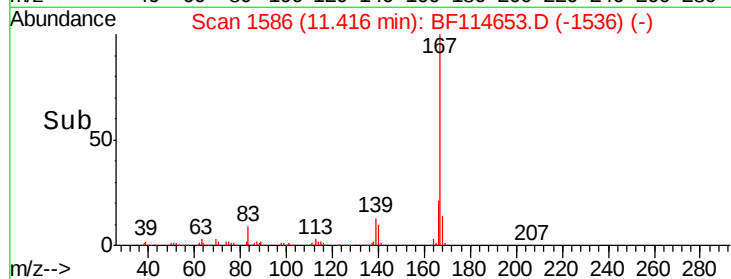
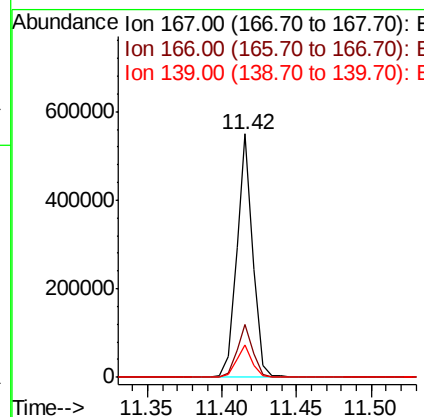
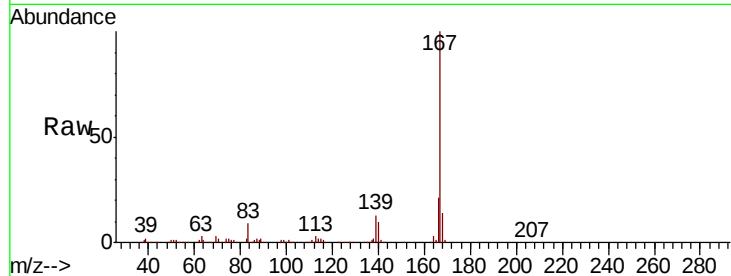
#73
 Carbazole
 Concen: 6.486 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.7	28.1
139	13.1	11.8	17.8

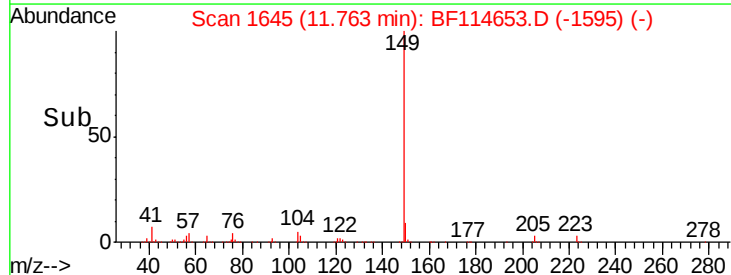
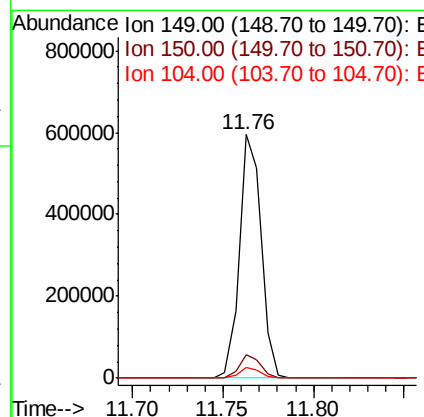
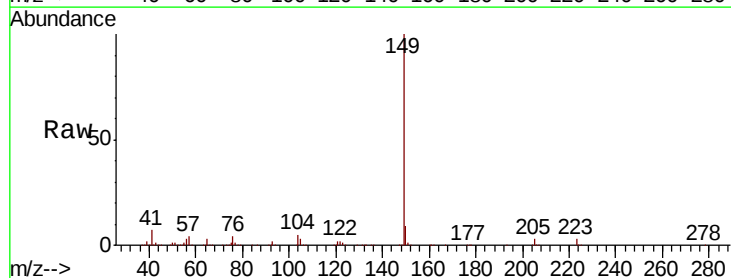
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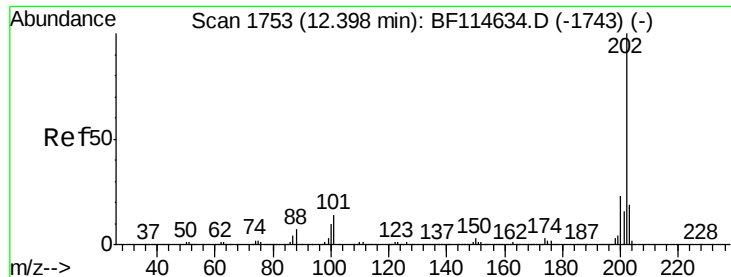
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#74
 Di-n-butylphthalate
 Concen: 6.377 ng
 RT: 11.76 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.6	12.8
104	4.6	4.3	6.5





#75

Fluoranthene

Concen: 6.290 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

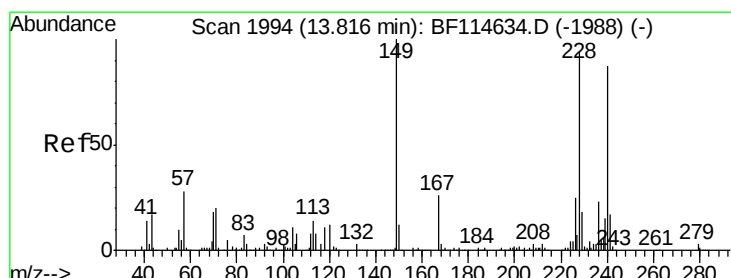
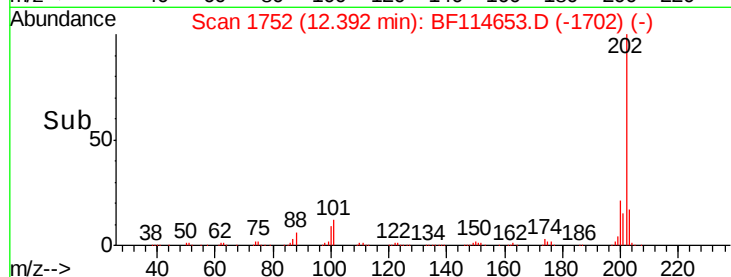
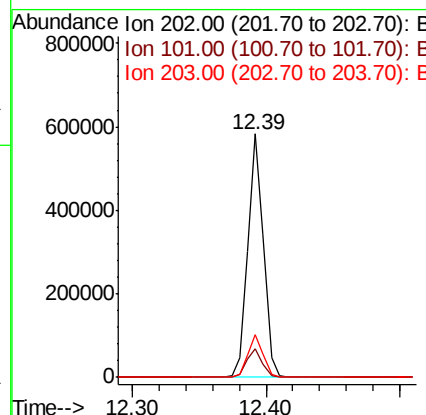
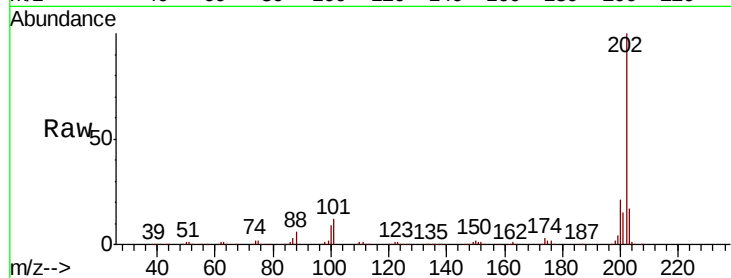
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	469987		
101	11.7	0.0	33.9	
203	17.3	0.0	39.1	

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#76

Chrysene-d12

Concen: 20.000 ng

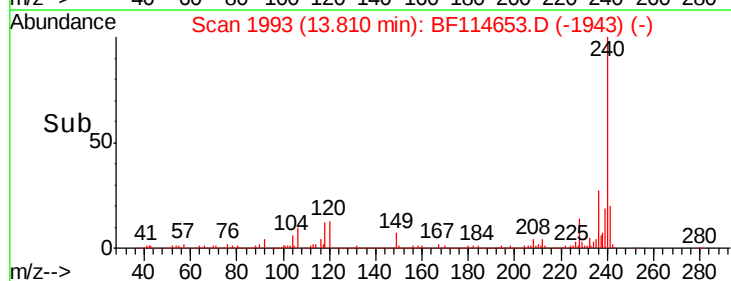
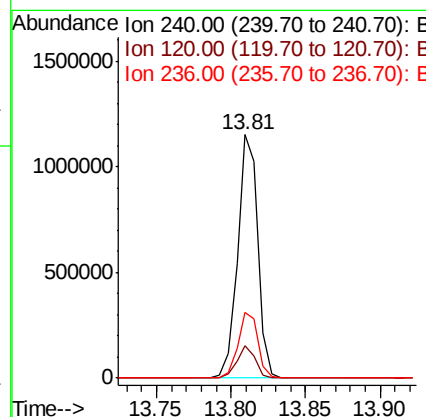
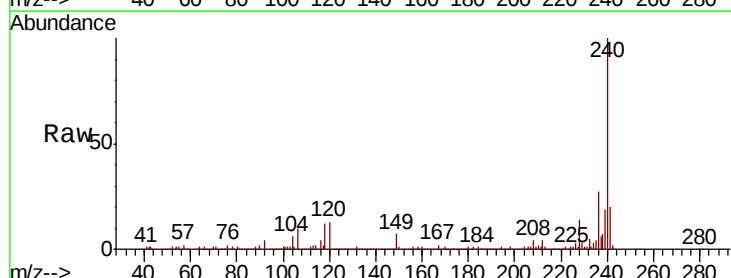
RT: 13.81 min Scan# 1993

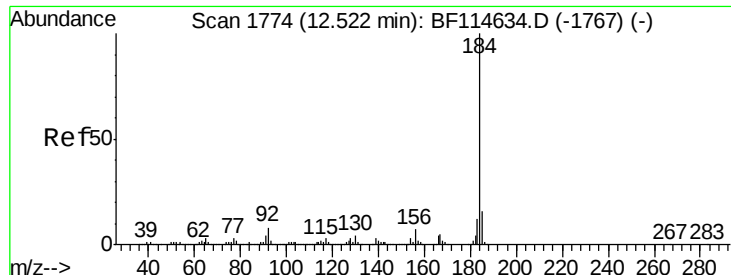
Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1091096		
120	13.5	11.2	16.8	
236	27.0	21.2	31.8	





#77

Benzidine

Concen: 5.206 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

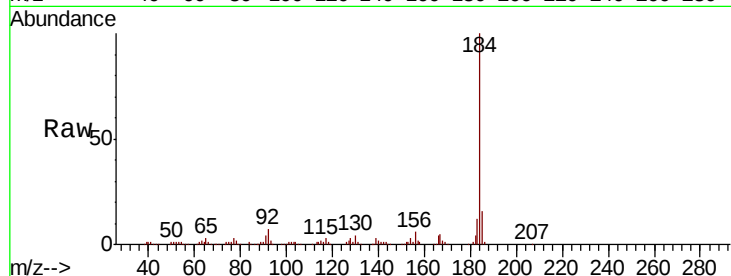
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

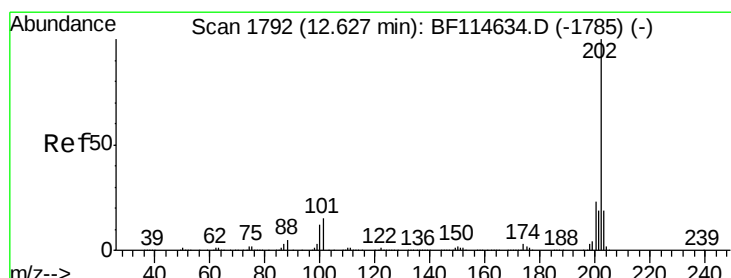
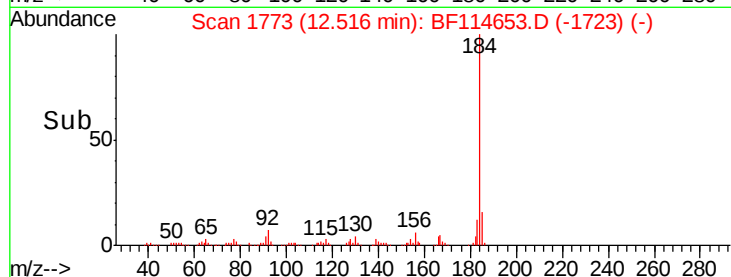
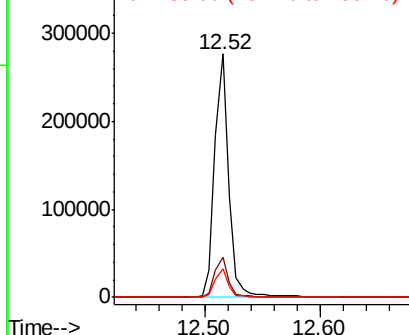
Tot Ion:	184	Resp:	233917
Ion Ratio	Lower	Upper	
184	100		
185	16.2	12.6	18.8
183	11.6	9.4	14.2

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.223 ng

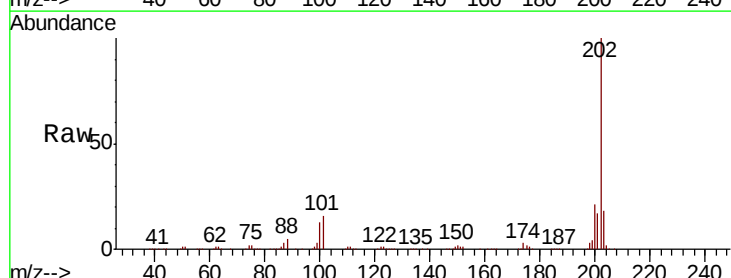
RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

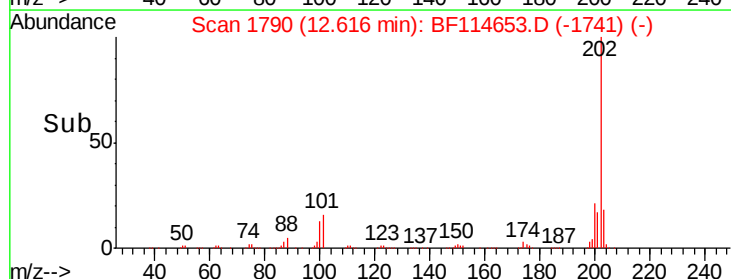
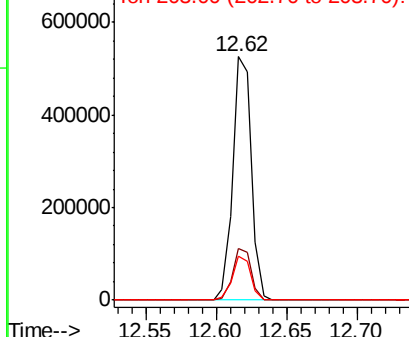
Lab File: BF114653.D

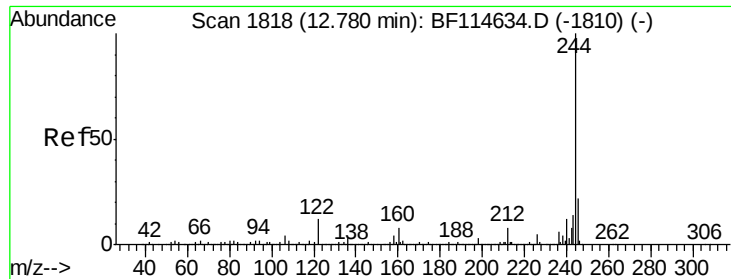
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Tgt Ion:	202	Resp:	482049
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.6	28.0
203	17.9	15.4	23.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





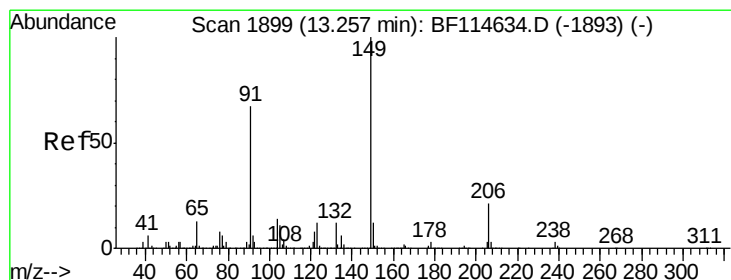
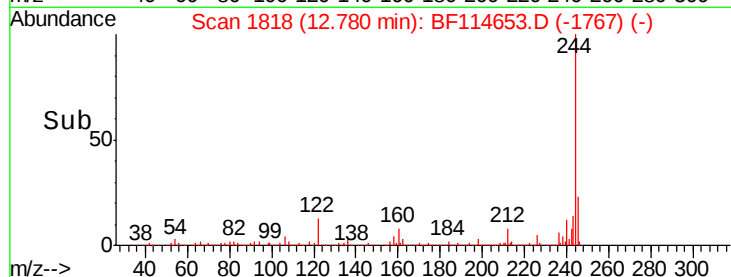
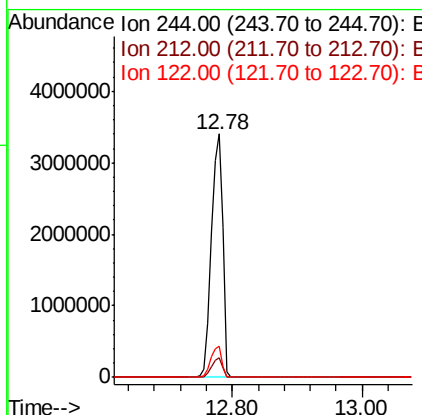
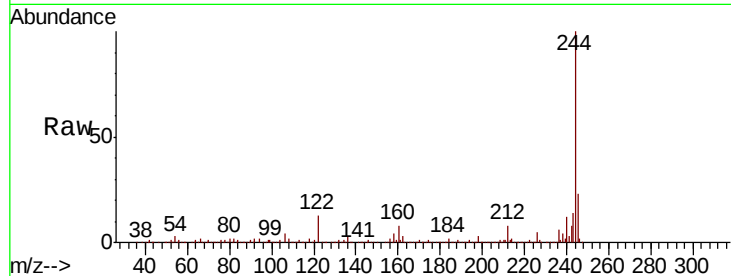
#79
 Terphenyl-d14
 Concen: 70.575 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.1	9.1
122	12.6	9.8	14.8

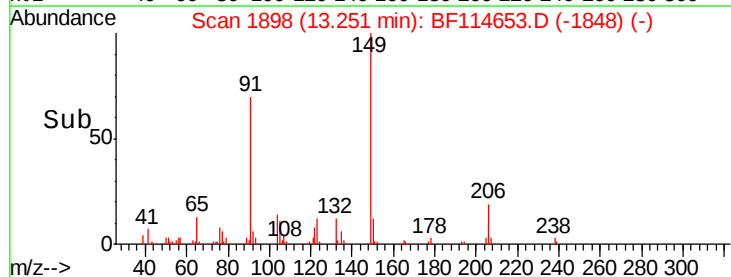
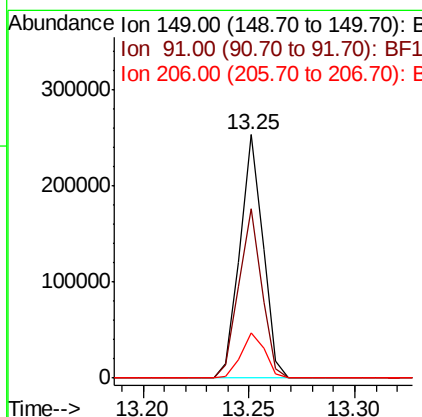
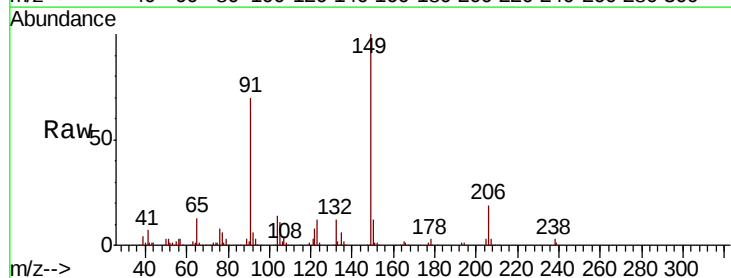
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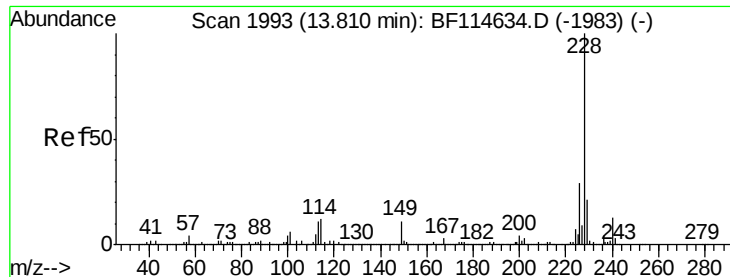
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#80
 Butylbenzylphthalate
 Concen: 4.140 ng
 RT: 13.25 min Scan# 1898
 Delta R.T. -0.01 min
 Lab File: BF114653.D
 Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.6	53.8	80.8
206	18.6	16.9	25.3





#81

Benzo(a)anthracene

Concen: 5.318 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

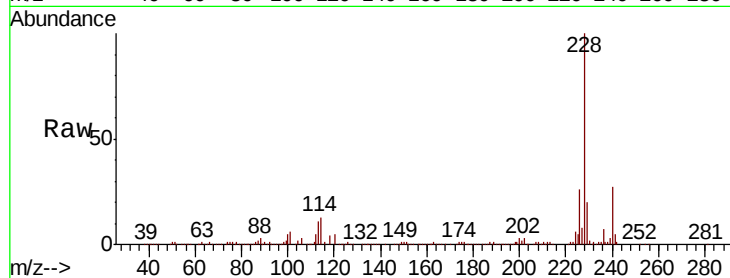
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

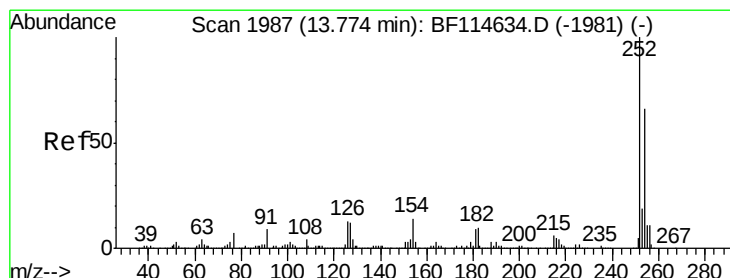
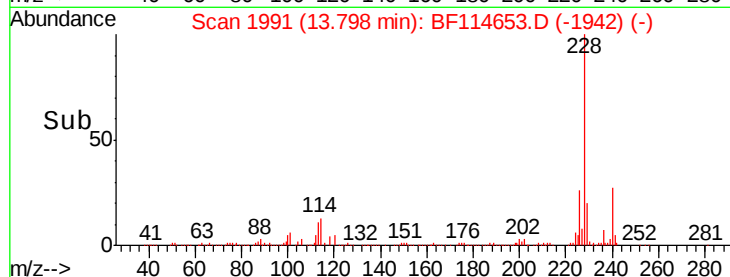
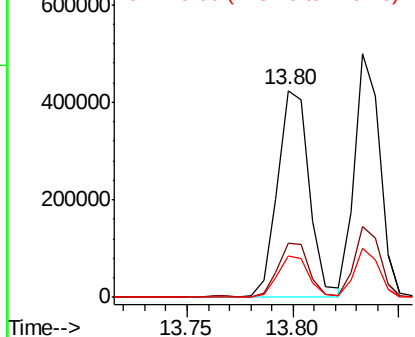
Tot Ion:	228	Resp:	445894
Ion Ratio	Lower	Upper	
228	100		
226	26.3	23.0	34.6
229	20.0	17.0	25.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.792 ng

RT: 13.77 min Scan# 1986

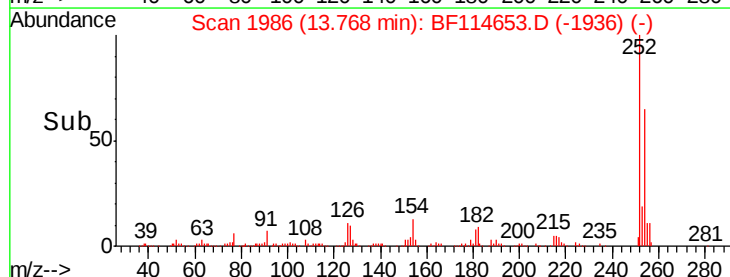
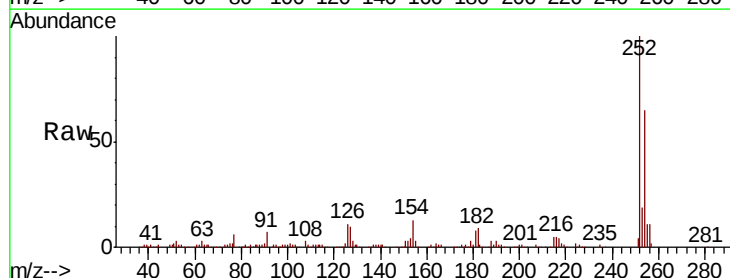
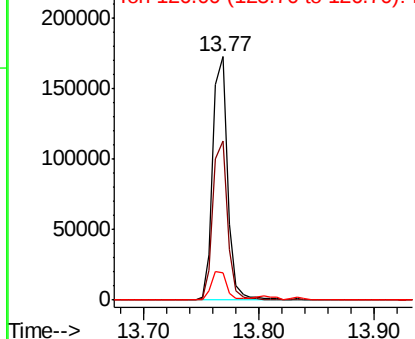
Delta R.T. -0.01 min

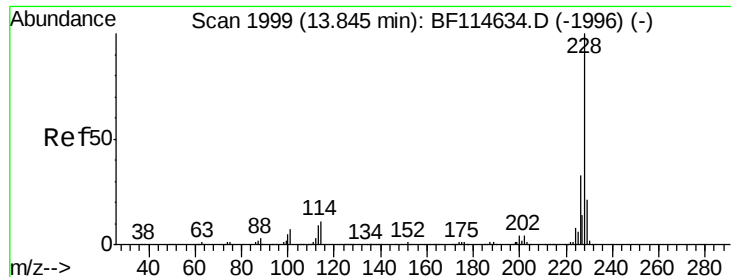
Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:	252	Resp:	155156
Ion Ratio	Lower	Upper	
252	100		
254	65.2	53.1	79.7
126	11.4	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





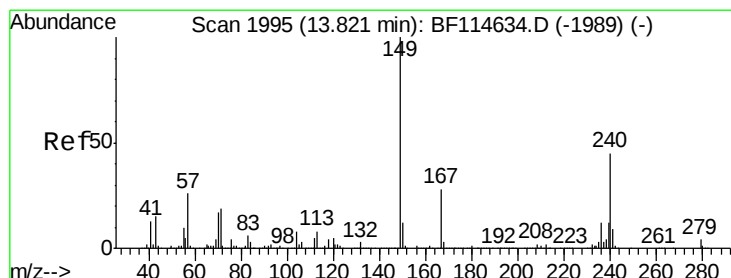
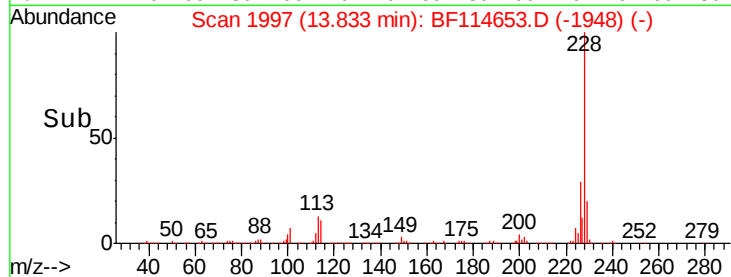
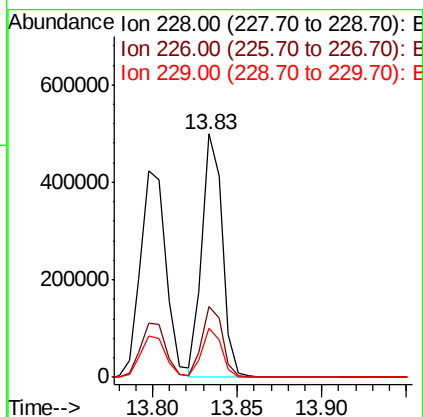
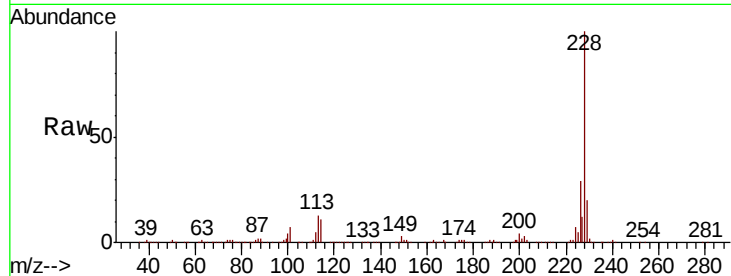
#83
Chrysene
Concen: 5.234 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	26.4	39.6
229	20.1	17.1	25.7

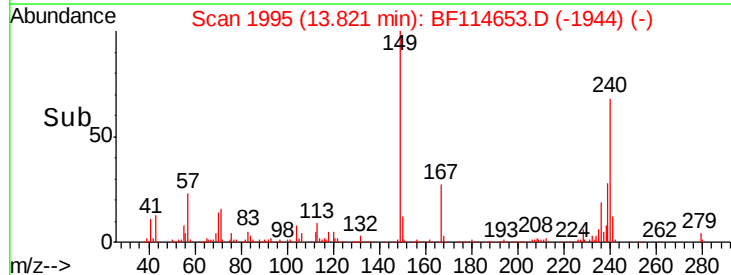
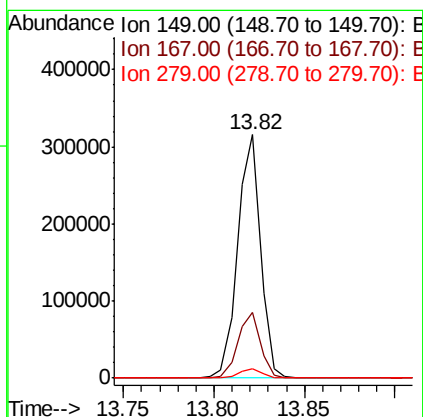
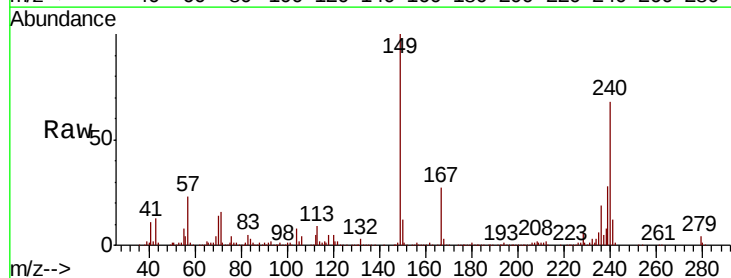
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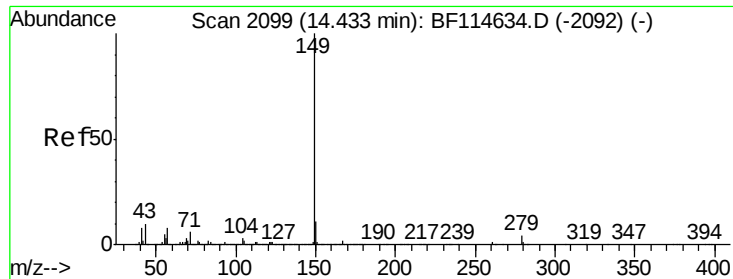
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.829 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.6	33.8
279	3.9	3.0	4.4





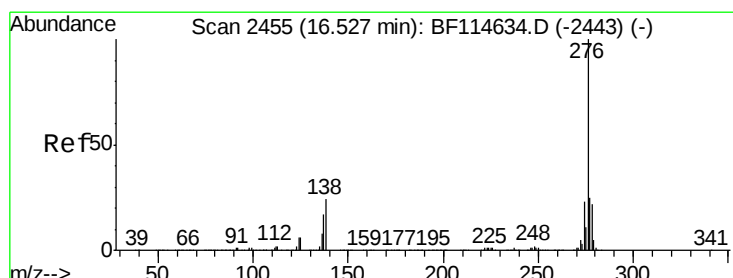
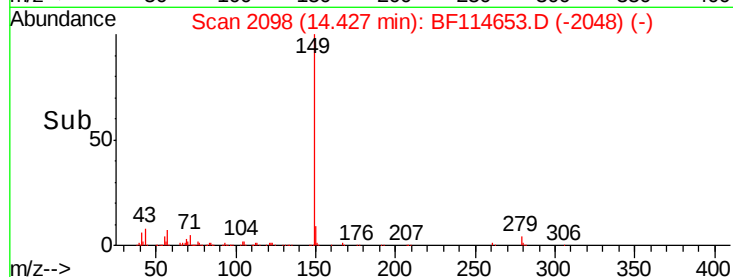
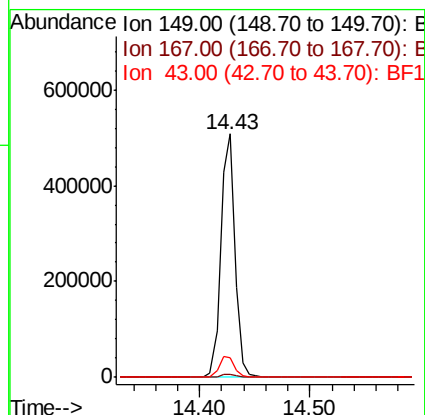
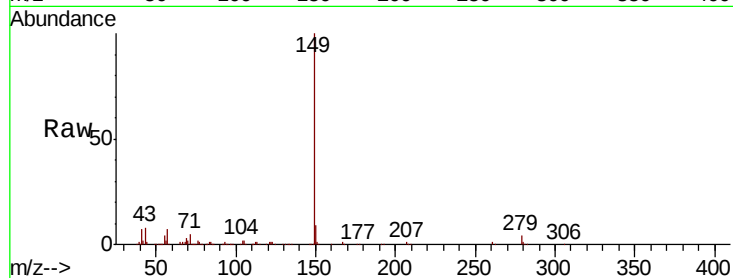
#85
Di-n-octyl phthalate
Concen: 4.530 ng
RT: 14.43 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	9.1	8.0	12.0

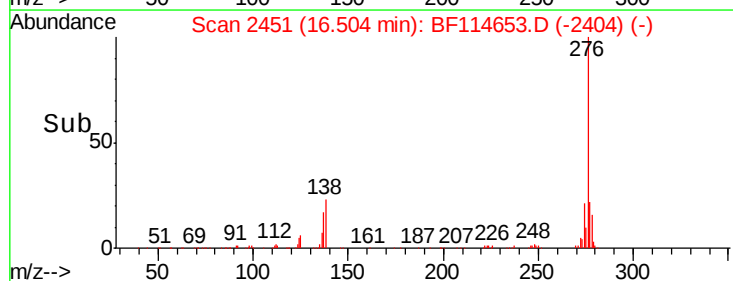
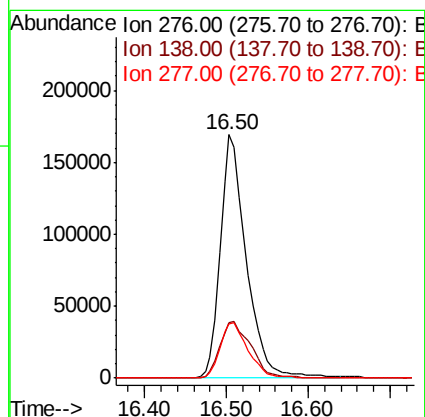
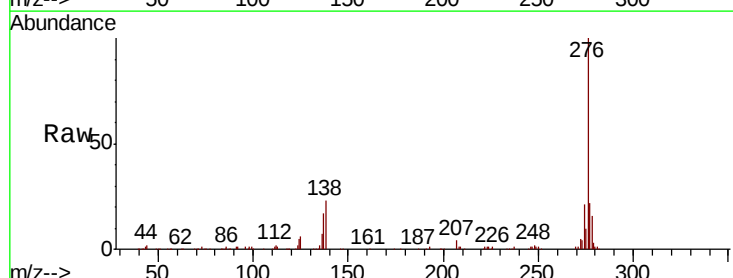
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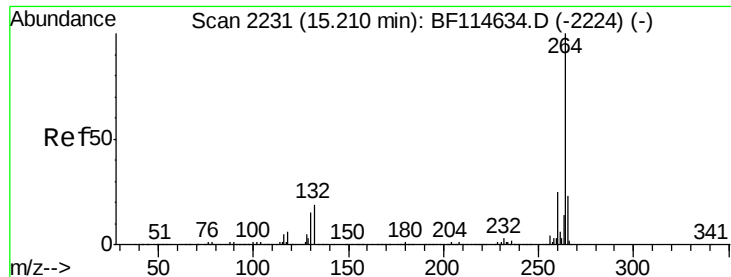
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.681 ng
RT: 16.50 min Scan# 2451
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	23.0	34.6
277	24.7	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:264 Resp: 1141737

Ion Ratio Lower Upper

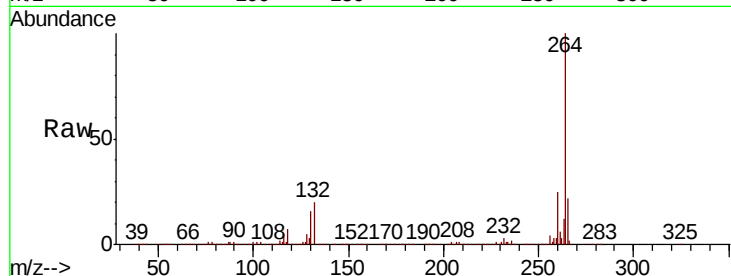
264 100

260 25.2 19.7 29.5

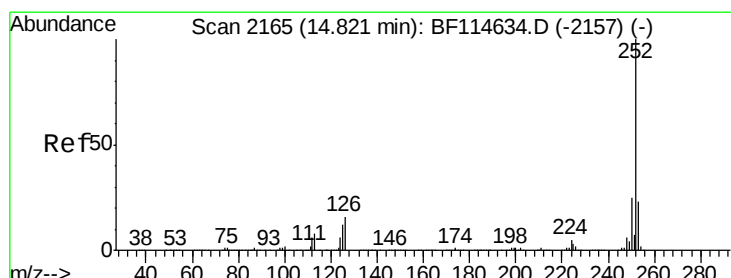
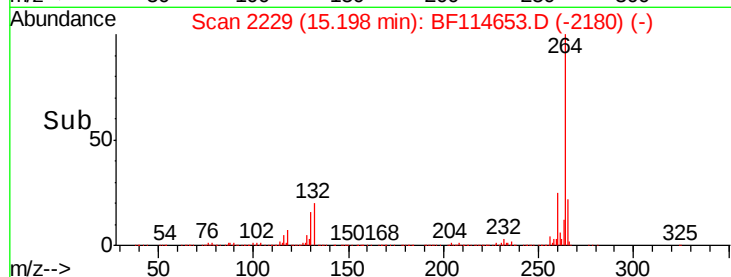
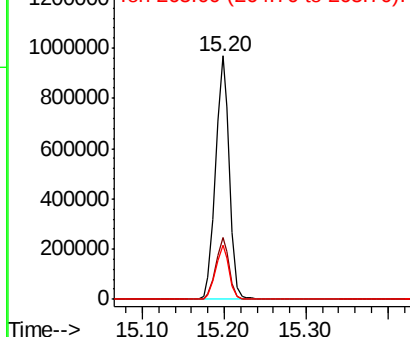
265 22.4 18.1 27.1

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.883 ng

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF114653.D

Acq: 30 May 2019 11:33

Tgt Ion:252 Resp: 423078

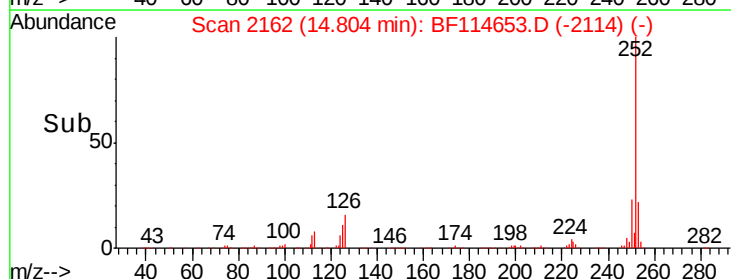
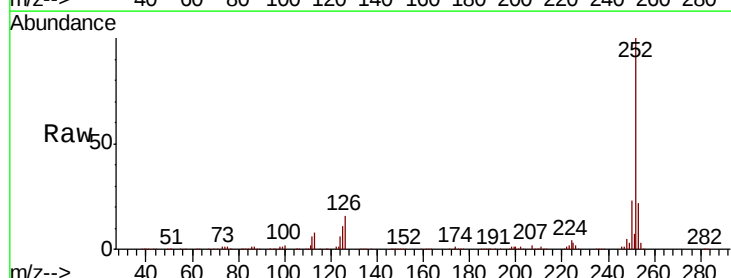
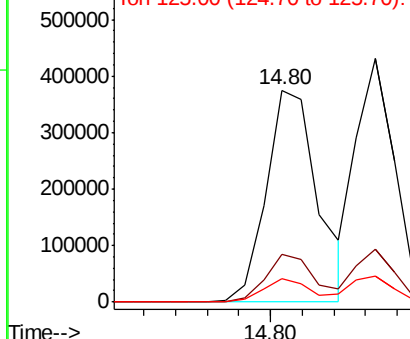
Ion Ratio Lower Upper

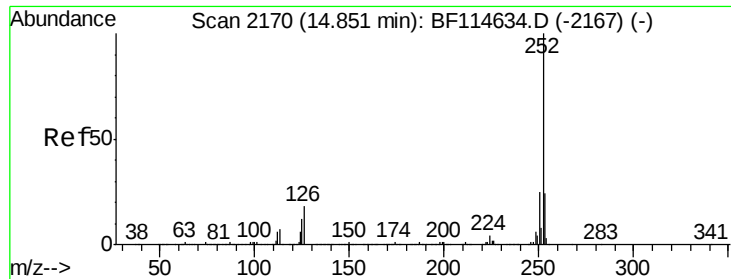
252 100

253 22.3 18.7 28.1

125 11.3 9.4 14.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





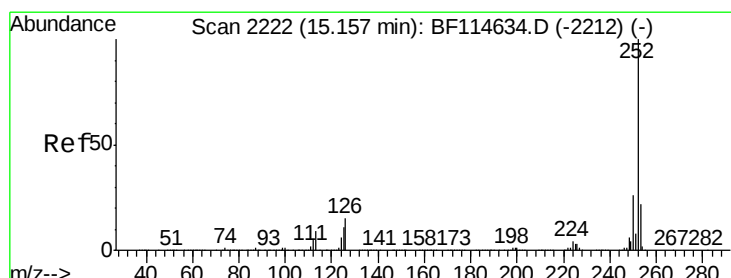
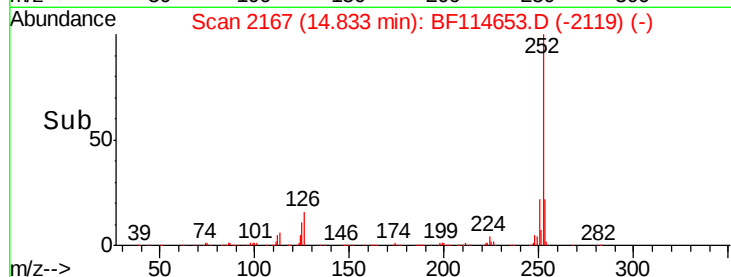
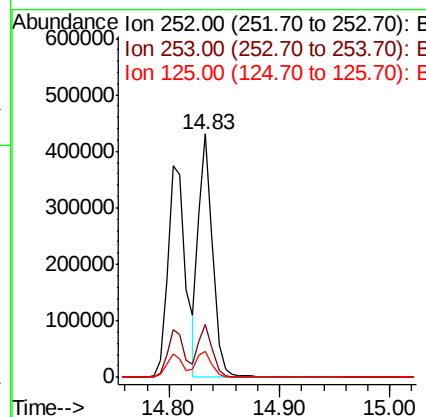
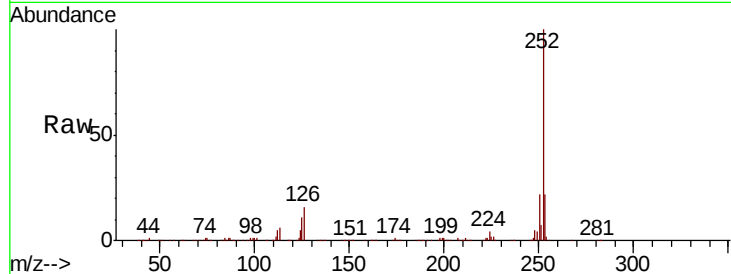
#89
Benzo(k)fluoranthene
Concen: 6.022 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
252	100	376415		
253	21.7	18.9	28.3	
125	10.9	9.5	14.3	

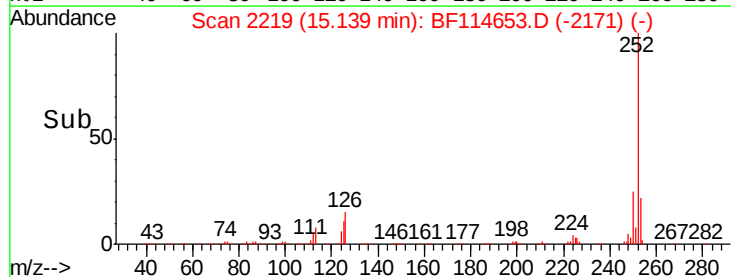
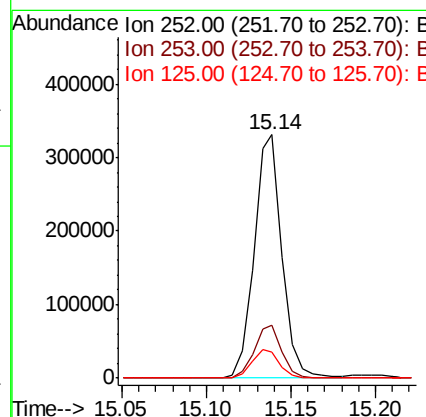
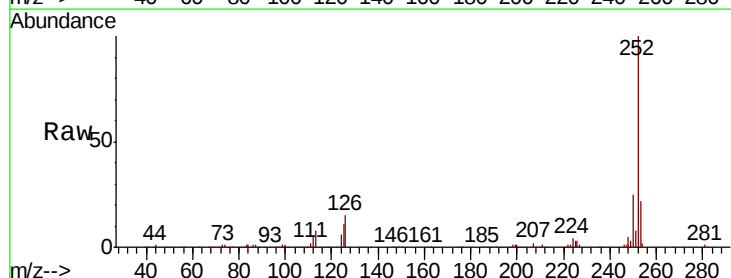
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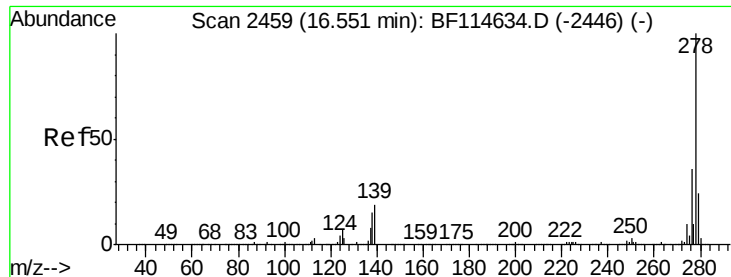
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#90
Benzo(a)pyrene
Concen: 5.965 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	376856		
253	21.7	18.0	27.0	
125	10.8	9.2	13.8	





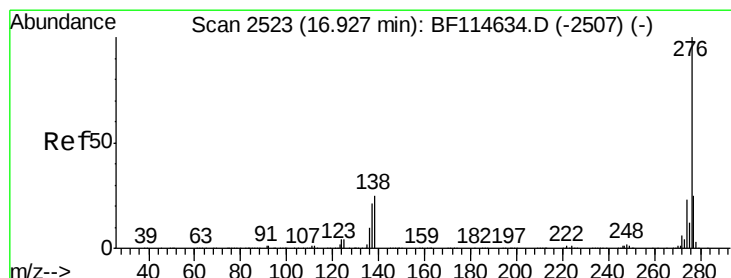
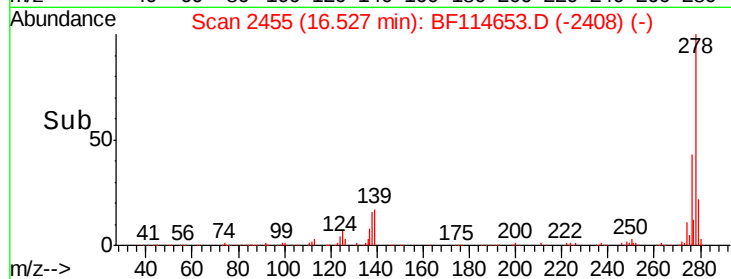
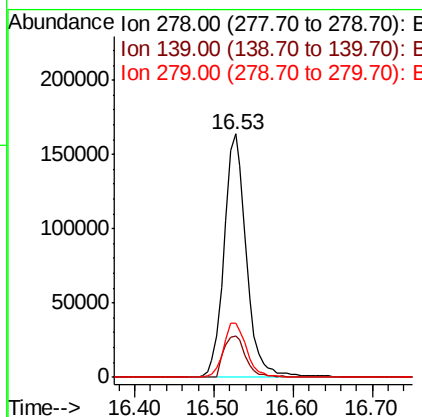
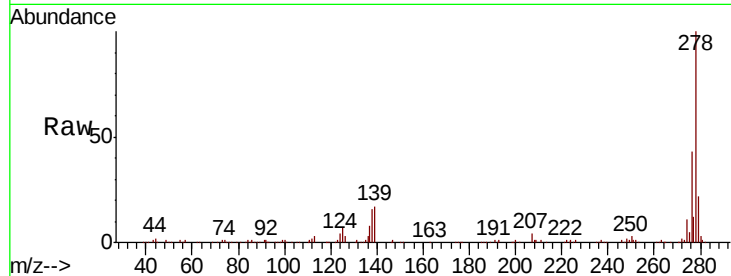
#91
Dibenzo(a,h)anthracene
Concen: 5.710 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.9	22.3
279	22.4	19.5	29.3

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#92
Benzo(g,h,i)perylene
Concen: 5.433 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.03 min
Lab File: BF114653.D
Acq: 30 May 2019 11:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.7	29.5
138	24.6	19.8	29.8

