

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115865.D
 Acq On : 31 Jul 2019 14:52
 Operator : HP/JU
 Sample : K3591-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Manual Integrations
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mohammad
 8/1/2019 5:06:31 PM

Quant Time: Aug 01 09:16:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140839	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	550377	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	292726	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	507589	20.00	ng	0.00
76) Chrysene-d12	14.02	240	381225	20.00	ng	-0.01
87) Perylene-d12	15.49	264	354151	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	842850	100.18	ng	0.00
7) Phenol-d6	6.48	99	1066117	100.44	ng	0.00
23) Nitrobenzene-d5	7.42	82	784446	82.27	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	279961	98.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1294837	82.85	ng	0.00
79) Terphenyl-d14	12.96	244	1383275	76.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	35465	8.344	ng	98
3) Pyridine	3.42	79	74908	6.309	ng	99
4) n-Nitrosodimethylamine	3.30	42	34851	7.438	ng	# 96
6) Aniline	6.52	93	124157	8.168	ng	99
8) 2-Chlorophenol	6.64	128	77041	8.281	ng	97
9) Benzaldehyde	6.40	77	68034	9.289	ng	96
10) Phenol	6.49	94	105180	8.415	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	73776	8.028	ng	96
12) 1,3-Dichlorobenzene	6.79	146	86792	8.073	ng	98
13) 1,4-Dichlorobenzene	6.87	146	87897	8.165	ng	99
14) 1,2-Dichlorobenzene	7.02	146	82328	8.306	ng	98
15) Benzyl Alcohol	6.99	79	70668	8.773	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	98212	7.835	ng	99
17) 2-Methylphenol	7.10	107	63553	8.068	ng	99
18) Hexachloroethane	7.36	117	30167	7.611	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	54783	8.329	ng	97
20) 3+4-Methylphenols	7.26	107	81782	8.773	ng	# 50
22) Acetophenone	7.26	105	110938	9.191	ng	97
24) Nitrobenzene	7.43	77	90366	8.777	ng	99
25) Isophorone	7.66	82	150583	8.259	ng	97
26) 2-Nitrophenol	7.75	139	36670	7.556	ng	97
27) 2,4-Dimethylphenol	7.78	122	64638	8.853	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	89908	7.956	ng	99
29) 2,4-Dichlorophenol	7.99	162	63322	8.214	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	71213	8.104	ng	100
31) Naphthalene	8.15	128	233285	9.007	ng	98
32) Benzoic acid	7.87	122	14202m	2.759	ng	
33) 4-Chloroaniline	8.20	127	94207	8.141	ng	98
34) Hexachlorobutadiene	8.27	225	39514	7.806	ng	99
35) Caprolactam	8.54	113	19603	7.862	ng	97
36) 4-Chloro-3-methylphenol	8.69	107	64665	8.063	ng	99
37) 2-Methylnaphthalene	8.85	142	155235	9.101	ng	97
38) 1-Methylnaphthalene	8.95	142	143260	8.878	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	66489	8.496	ng	98

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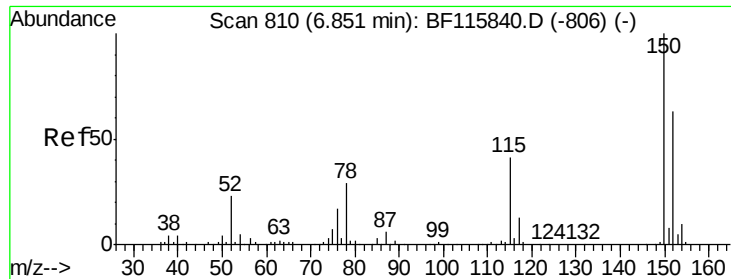
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Quant Time: Aug 01 09:16:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	11939	3.903	ng	96
43) 2,4,6-Trichlorophenol	9.13	196	37648	6.989	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	42816	7.690	ng	98
46) 1,1'-Biphenyl	9.31	154	187473	9.071	ng	99
47) 2-Chloronaphthalene	9.34	162	142618	8.291	ng	99
48) 2-Nitroaniline	9.43	65	41813	7.354	ng	# 82
49) Acenaphthylene	9.75	152	222918	8.883	ng	99
50) Dimethylphthalate	9.60	163	158038	7.929	ng	99
51) 2,6-Dinitrotoluene	9.67	165	33362	7.702	ng	88
52) Acenaphthene	9.92	154	134533	8.739	ng	100
53) 3-Nitroaniline	9.84	138	37436	6.995	ng	90
55) Dibenzofuran	10.10	168	202491	9.045	ng	99
56) 4-Nitrophenol	10.02	139	16339	4.766	ng	93
57) 2,4-Dinitrotoluene	10.07	165	43574	7.556	ng	90
58) Fluorene	10.44	166	157507	9.144	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	34102	7.280	ng	97
60) Diethylphthalate	10.30	149	147920	7.949	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	73235	8.395	ng	95
62) 4-Nitroaniline	10.44	138	39934	7.220	ng	99
63) Azobenzene	10.59	77	160091	8.364	ng	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	13112	4.875	ng	96
66) n-Nitrosodiphenylamine	10.54	169	130758	8.559	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	43090	7.930	ng	92
68) Hexachlorobenzene	10.99	284	49856	7.935	ng	99
69) Atrazine	11.07	200	38400	7.640	ng	97
70) Pentachlorophenol	11.19	266	13977	4.582	ng	93
71) Phenanthrene	11.40	178	230644	8.888	ng	99
72) Anthracene	11.45	178	235330	8.961	ng	100
73) Carbazole	11.61	167	204730	8.593	ng	98
74) Di-n-butylphthalate	11.94	149	207783	7.476	ng	98
75) Fluoranthene	12.59	202	231090	8.507	ng	98
77) Benzidine	12.71	184	95960	7.451	ng	99
78) Pyrene	12.82	202	244404	8.505	ng	97
80) Butylbenzylphthalate	13.43	149	79512	6.541	ng	98
81) Benzo(a)anthracene	14.01	228	195363	8.018	ng	98
82) 3,3'-Dichlorobenzidine	13.97	252	65952	7.791	ng	98
83) Chrysene	14.04	228	195178	8.251	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	105770	6.696	ng	97
85) Di-n-octyl phthalate	14.60	149	157413	6.274	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	141678	7.131	ng	99
88) Benzo(b)fluoranthene	15.06	252	155811	7.609	ng	99
89) Benzo(k)fluoranthene	15.09	252	169349m	8.491	ng	
90) Benzo(a)pyrene	15.42	252	145274	7.936	ng	100
91) Dibenzo(a,h)anthracene	16.97	278	117833	7.437	ng	100
92) Benzo(g,h,i)perylene	17.40	276	115694	7.435	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

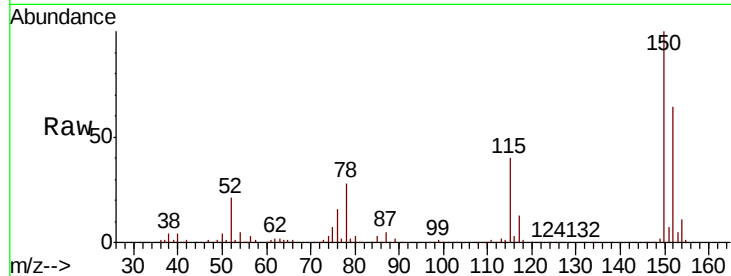
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.4	191.0
115	62.1	51.8	77.8

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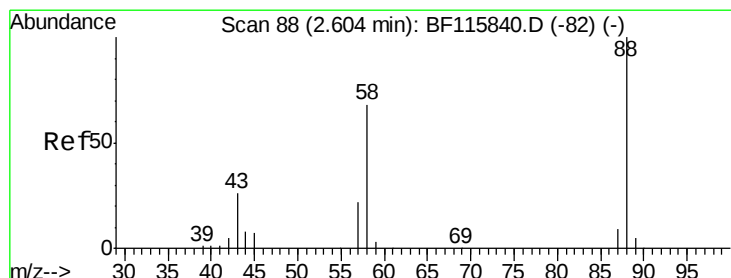
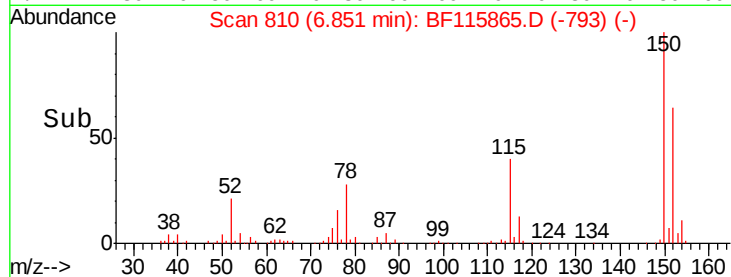
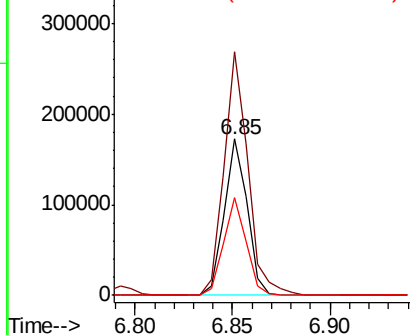


Abundance

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: 8.344 ng

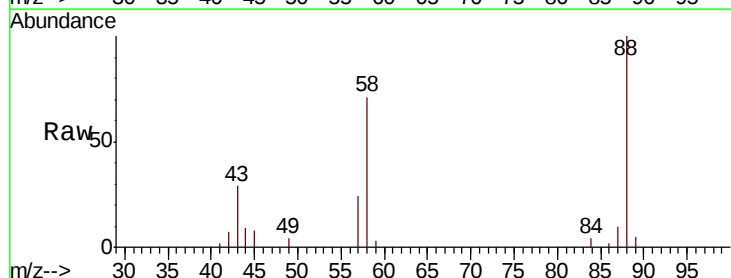
RT: 2.61 min Scan# 89

Delta R.T. 0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.8	54.1	81.1
43	28.4	20.7	31.1

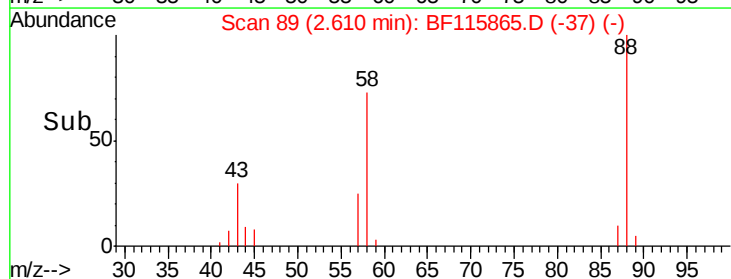
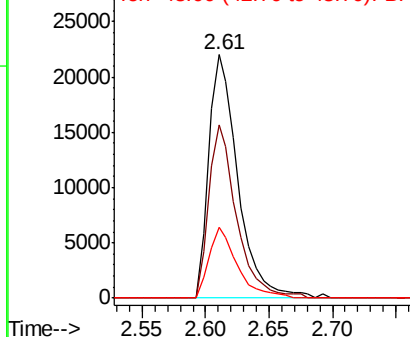


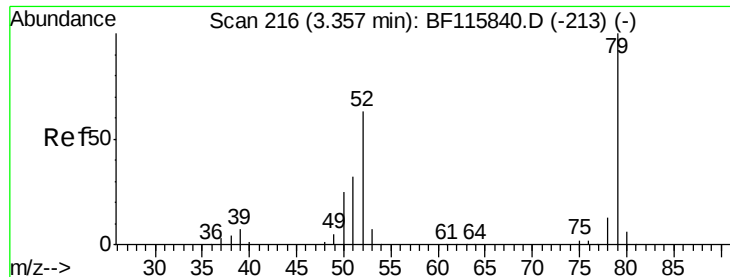
Abundance

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: 6.309 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.06 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

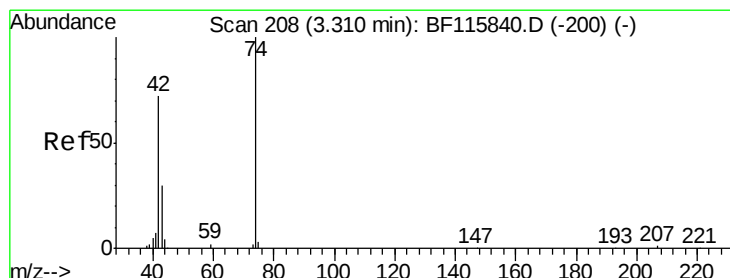
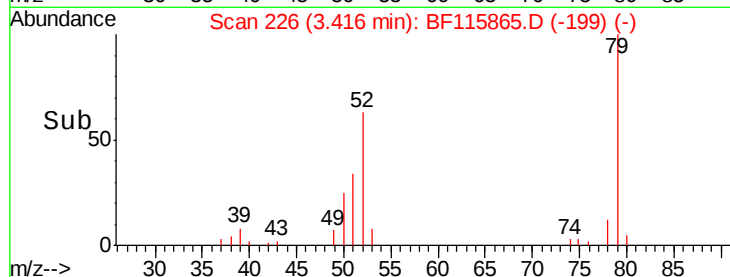
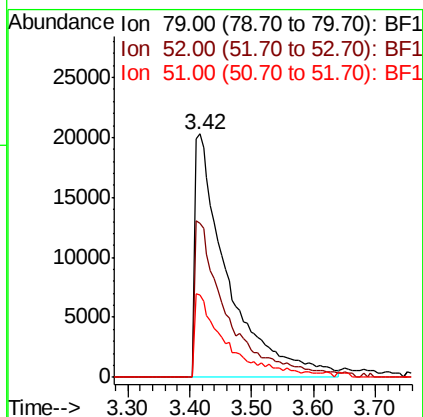
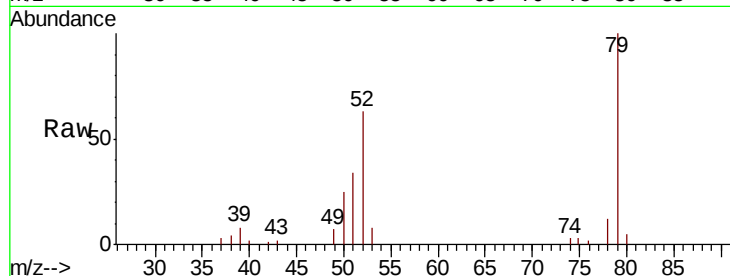
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	79	Resp:	74908
Ion	Ratio	Lower	Upper
79	100		
52	63.3	50.2	75.4
51	33.8	25.8	38.6

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#4

n-Nitrosodimethylamine

Concen: 7.438 ng

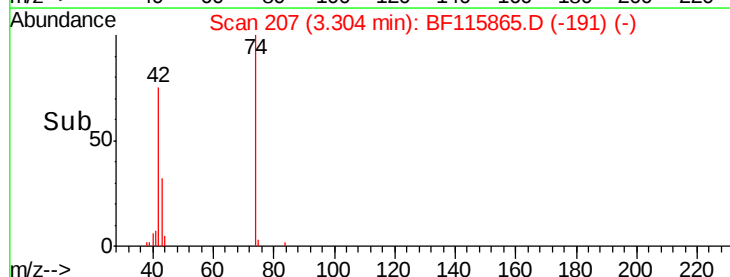
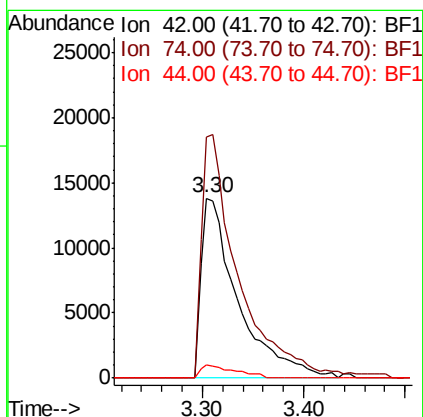
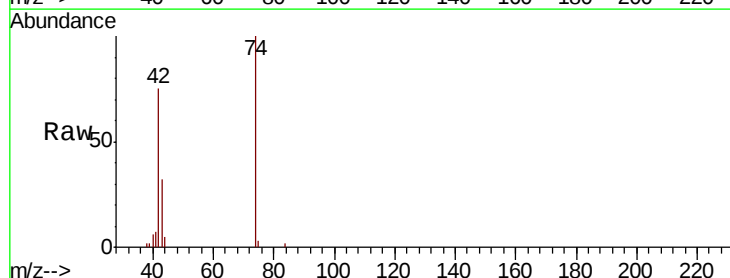
RT: 3.30 min Scan# 207

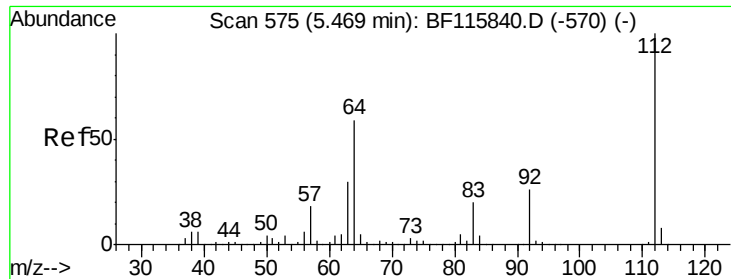
Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	42	Resp:	34851
Ion	Ratio	Lower	Upper
42	100		
74	134.1	111.0	166.4
44	7.2	4.7	7.1#





#5

2-Fluorophenol

Concen: 100.184 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

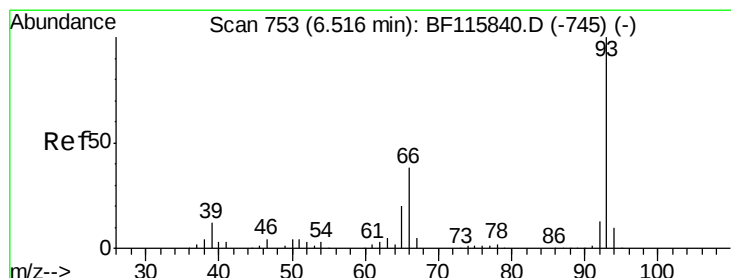
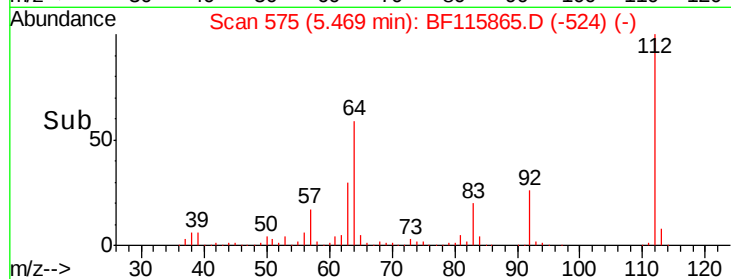
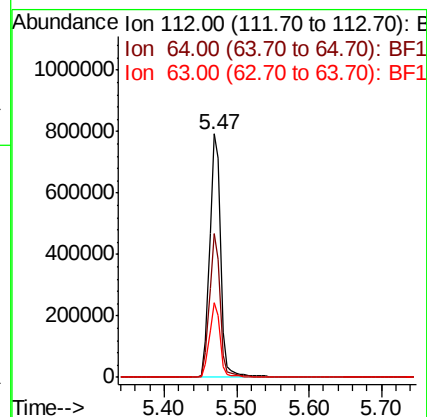
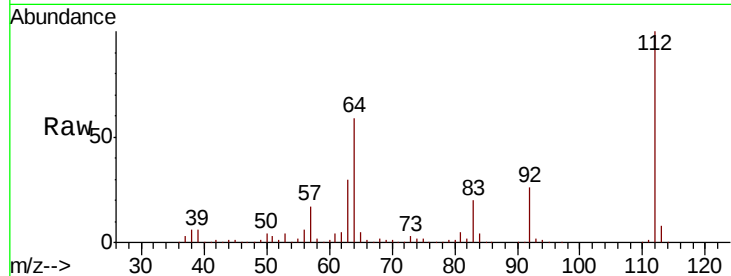
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	112	Resp:	842850
Ion Ratio	Lower	Upper	
112	100		
64	58.9	46.8	70.2
63	30.5	24.2	36.2

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#6

Aniline

Concen: 8.168 ng

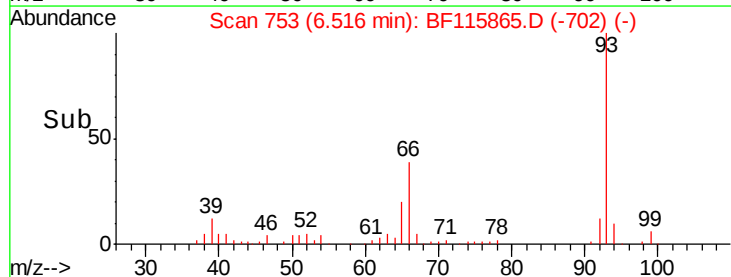
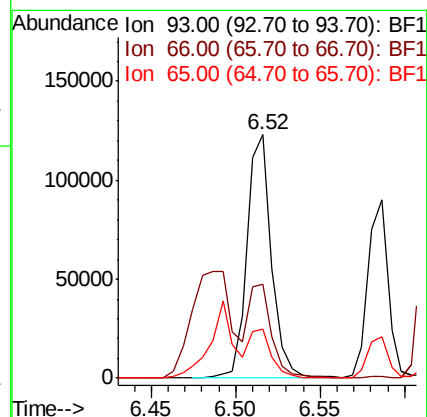
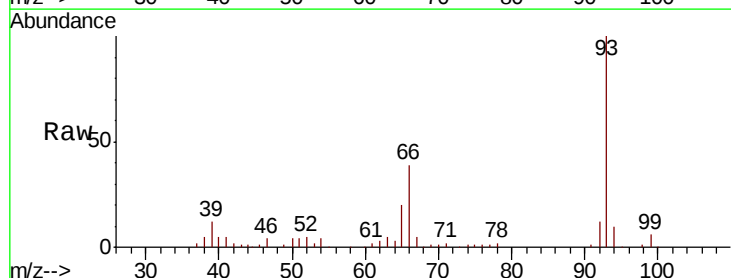
RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	93	Resp:	124157
Ion Ratio	Lower	Upper	
93	100		
66	38.6	31.4	47.0
65	20.2	16.5	24.7





#7

Phenol-d6

Concen: 100.440 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion: 99 Resp: 1066117

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.6

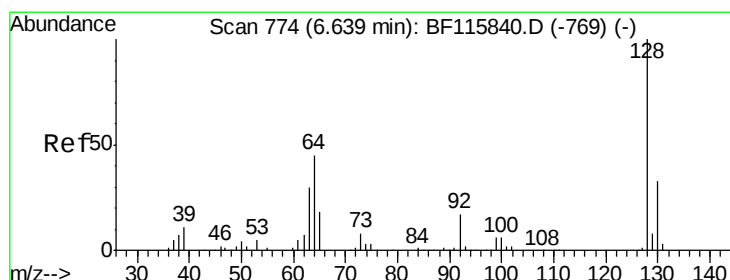
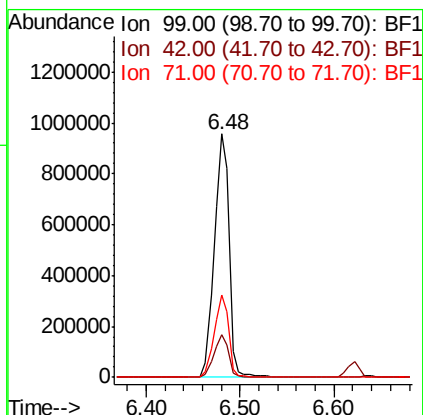
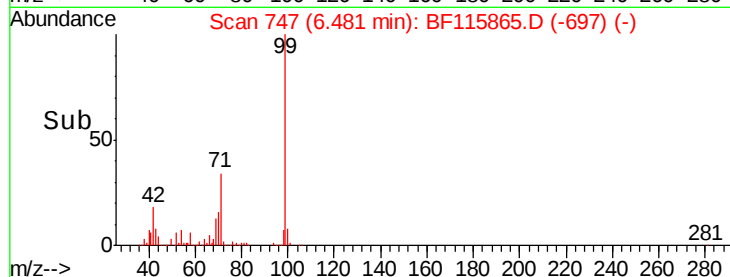
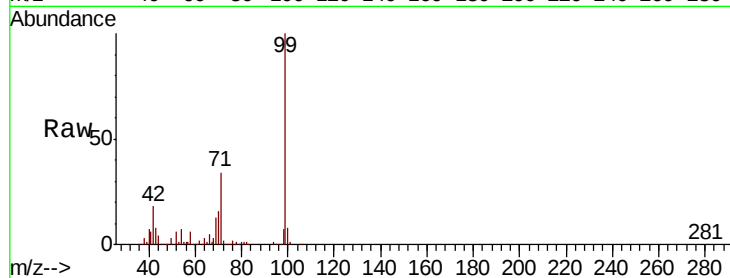
71 33.7 27.1 40.7

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#8

2-Chlorophenol

Concen: 8.281 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

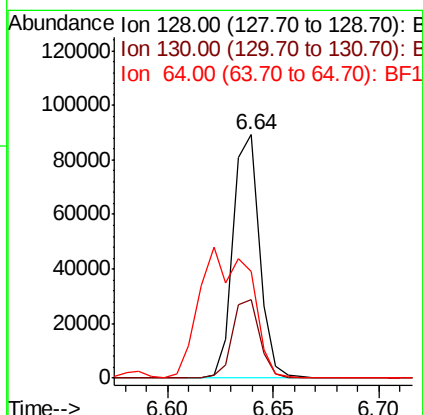
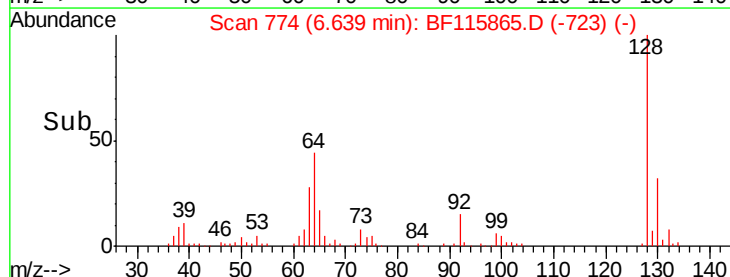
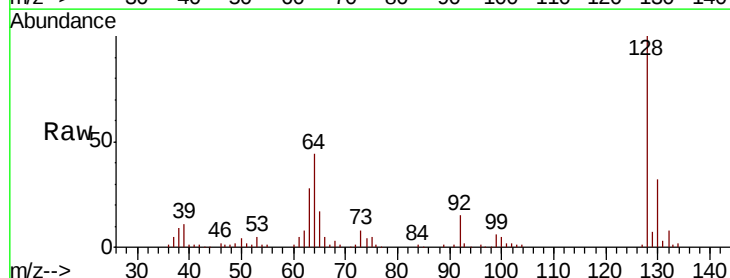
Tgt Ion: 128 Resp: 77041

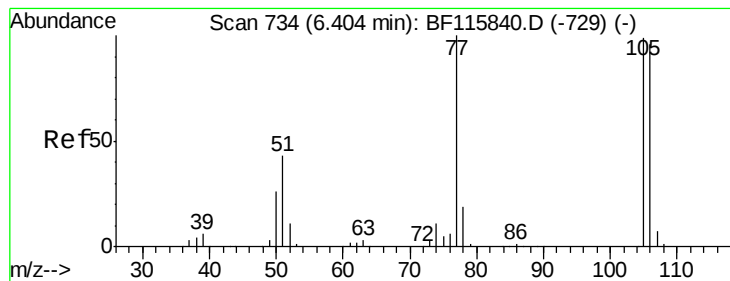
Ion Ratio Lower Upper

128 100

130 32.3 12.9 52.9

64 43.5 26.1 66.1





#9

Benzaldehyde

Concen: 9.289 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

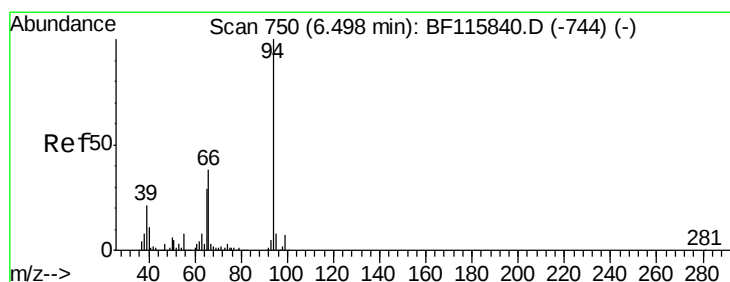
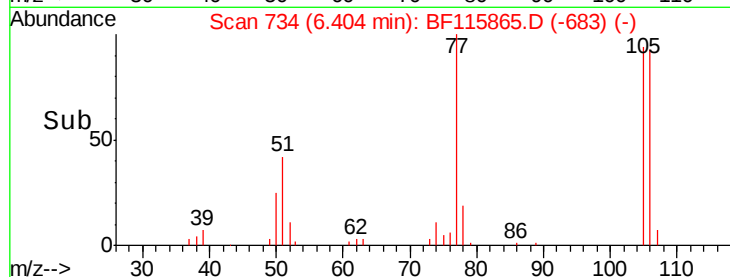
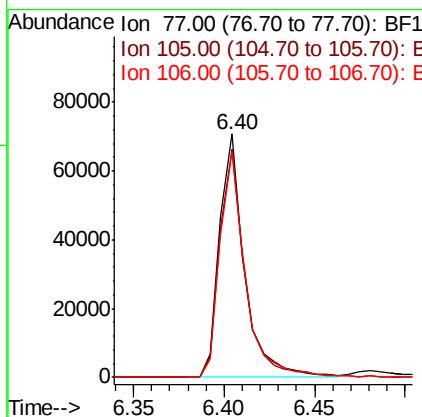
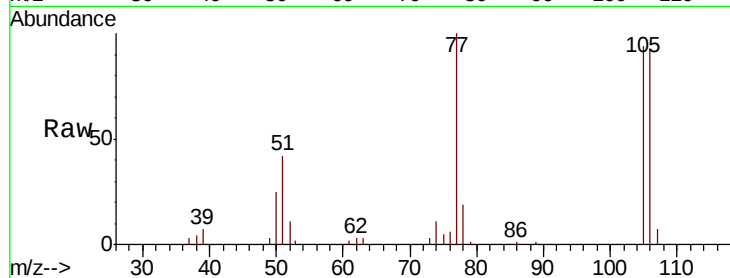
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	77	Resp:	68034
Ion	Ratio	Lower	Upper
77	100		
105	93.9	79.0	119.0
106	92.9	76.2	116.2

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#10

Phenol

Concen: 8.415 ng

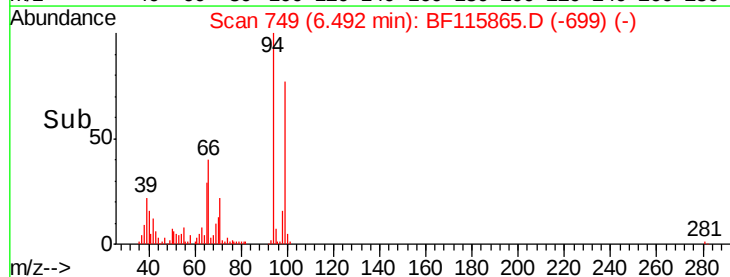
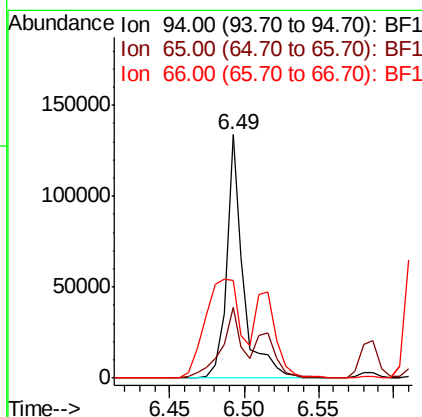
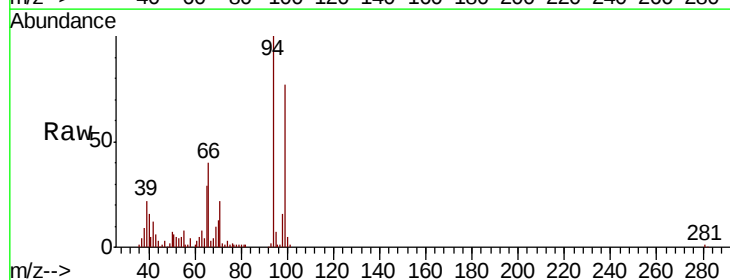
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	94	Resp:	105180
Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	40.1	18.0	58.0





#11

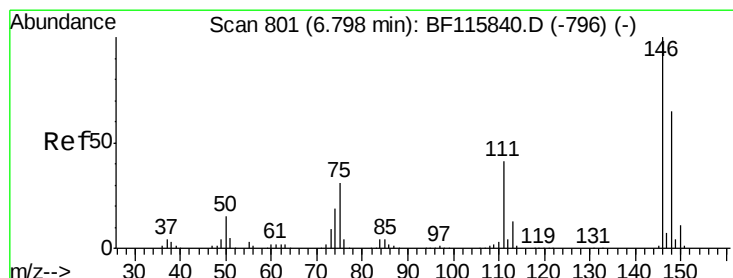
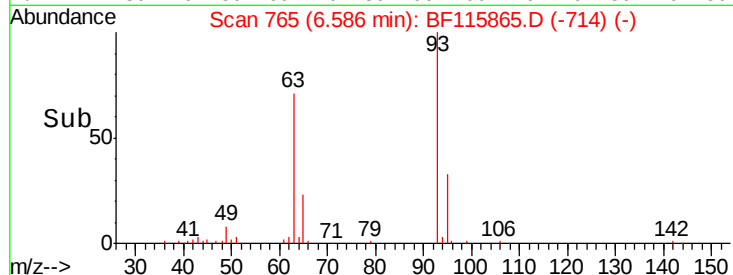
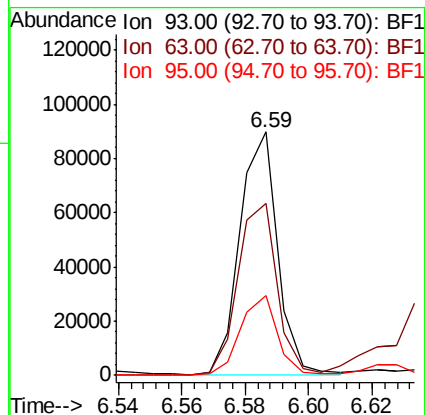
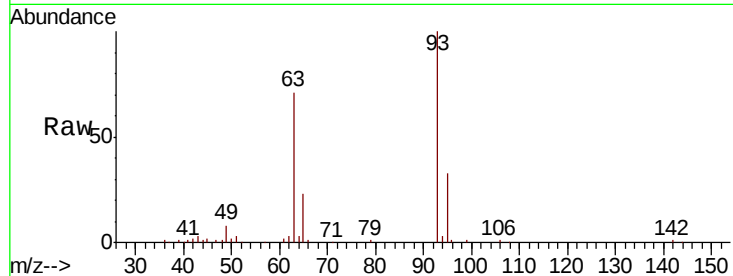
bis(2-Chloroethyl)ether
Concen: 8.028 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	93	Resp	73776
Ion Ratio	Lower	Upper	
93	100		
63	70.8	54.9	94.9
95	32.9	13.3	53.3

Manual Integrations
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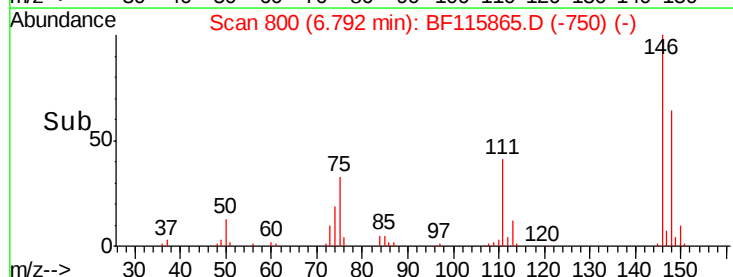
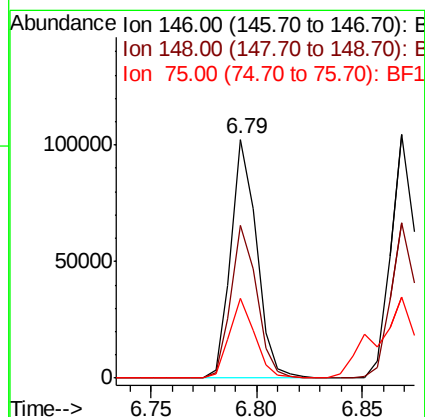
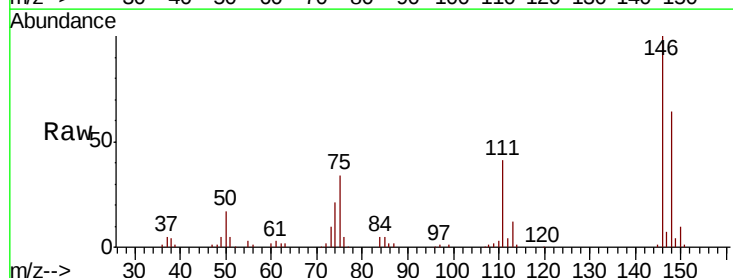
mohammad
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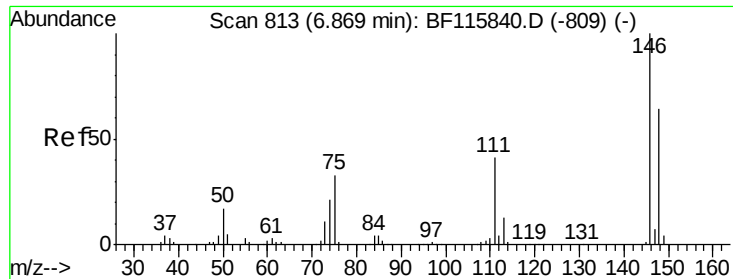


#12

1,3-Dichlorobenzene
Concen: 8.073 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	146	Resp	86792
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.1	78.1
75	33.5	25.0	37.6





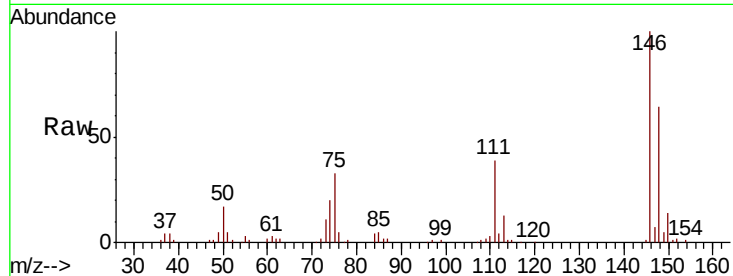
#13
1,4-Dichlorobenzene
Concen: 8.165 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	39.4	33.2	49.8

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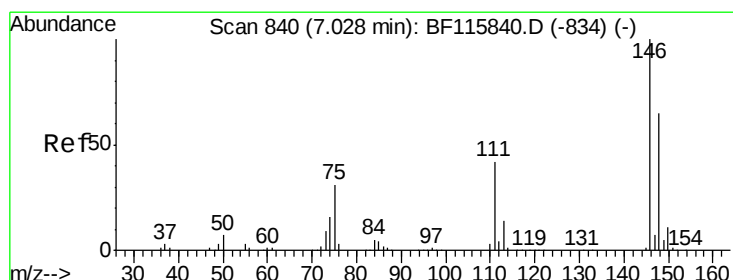
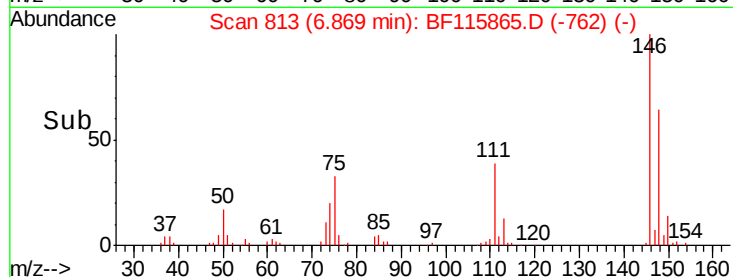
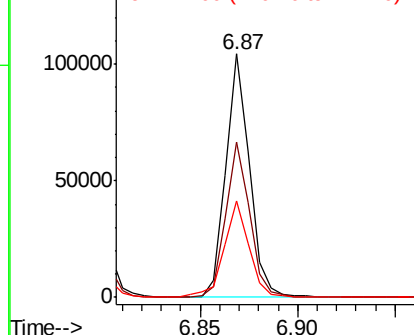


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 8.306 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

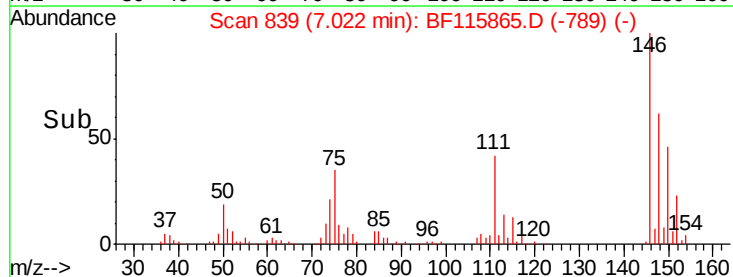
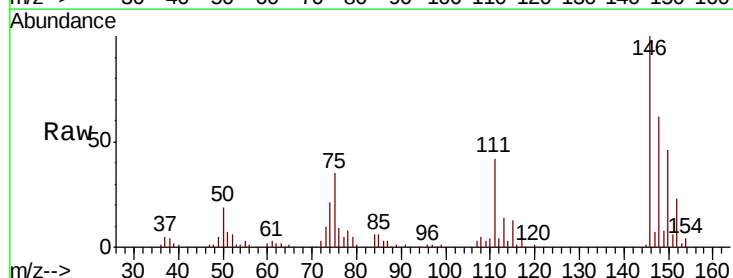
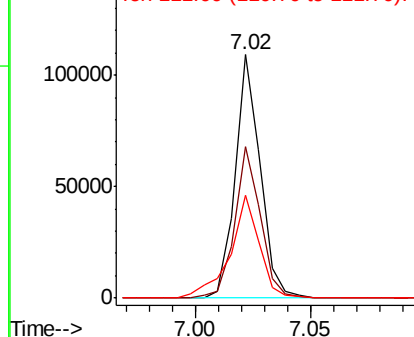
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.6	77.4
111	42.5	33.6	50.4

Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.773 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

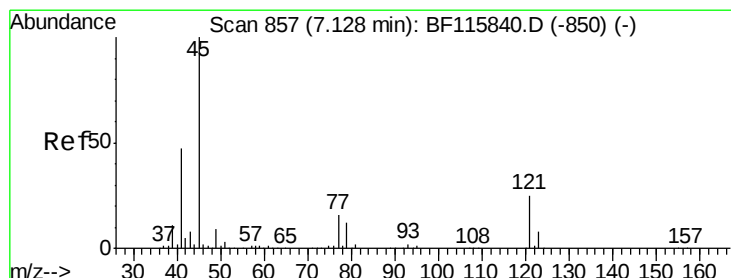
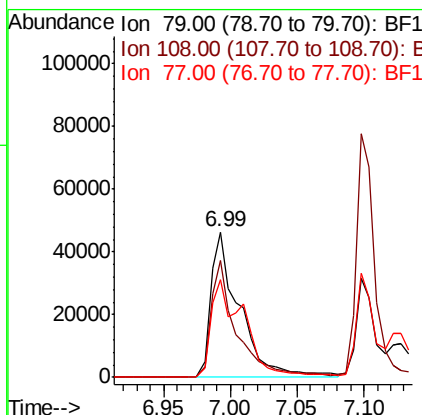
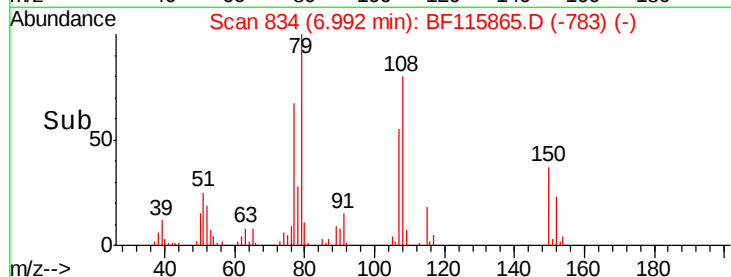
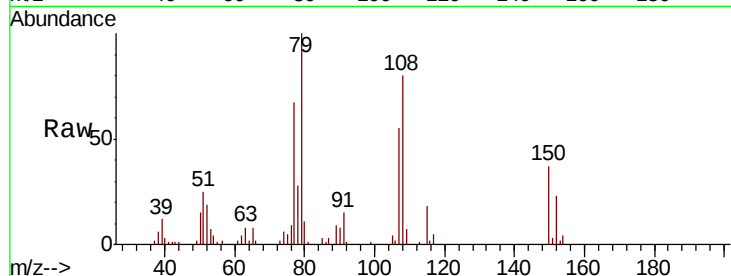
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	79	Resp:	70668
Ion Ratio	Lower	Upper	
79	100		
108	80.5	62.8	94.2
77	67.4	52.0	78.0

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.835 ng

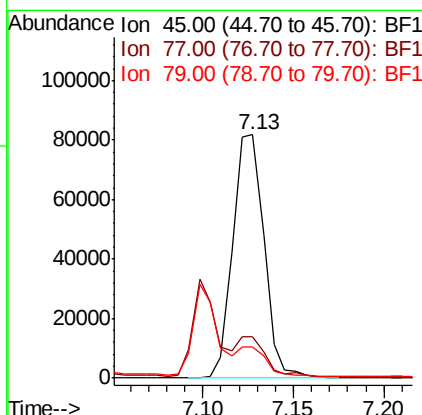
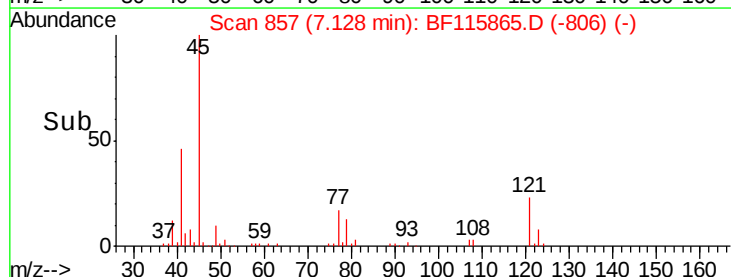
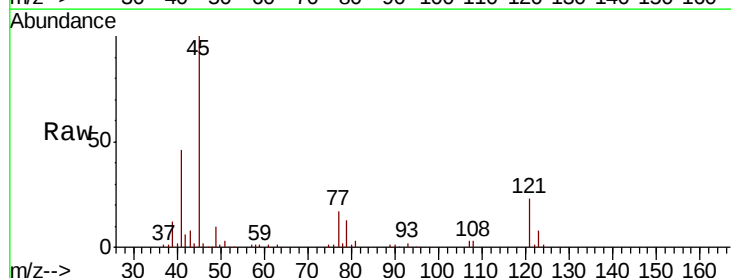
RT: 7.13 min Scan# 857

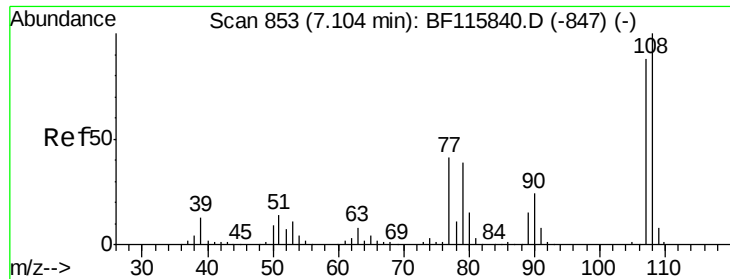
Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	45	Resp:	98212
Ion Ratio	Lower	Upper	
45	100		
77	17.0	0.0	36.3
79	13.0	0.0	32.5





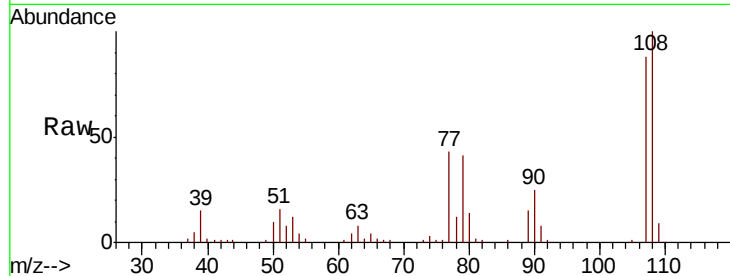
#17
2-Methylphenol
Concen: 8.068 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

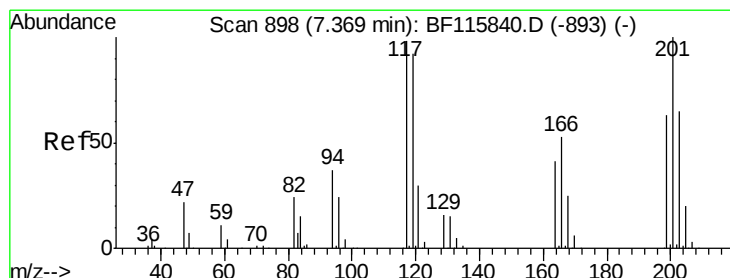
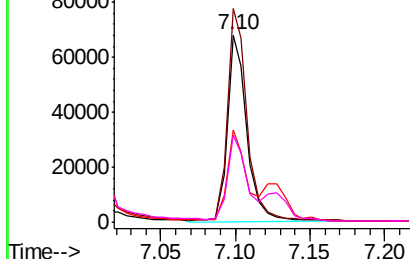
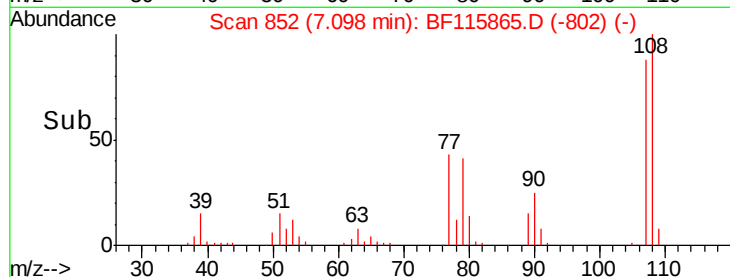
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.4	137.0
77	48.9	37.6	56.4
79	46.4	36.2	54.4

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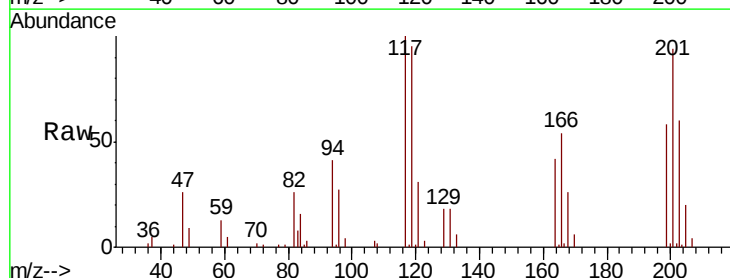


Abundance Ion 107.00 (106.70 to 107.70): E
120000 Ion 108.00 (107.70 to 108.70): E
100000 Ion 77.00 (76.70 to 77.70): BF1
80000 Ion 79.00 (78.70 to 79.70): BF1

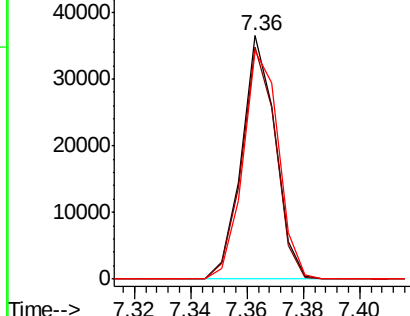
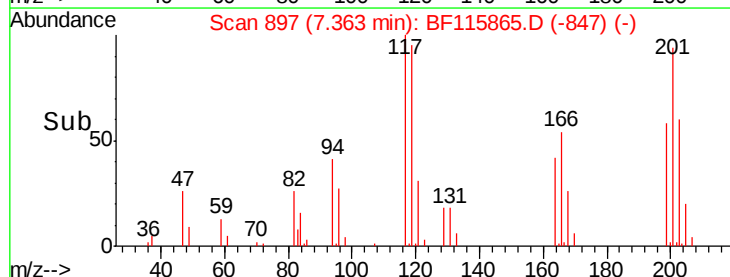


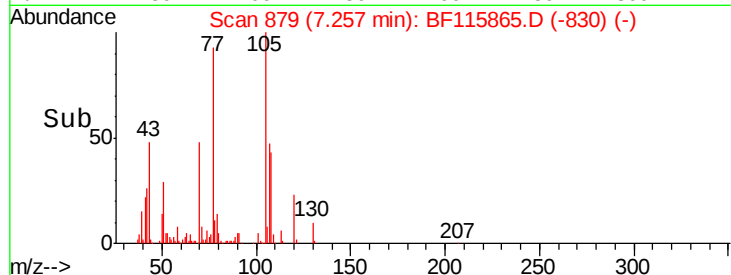
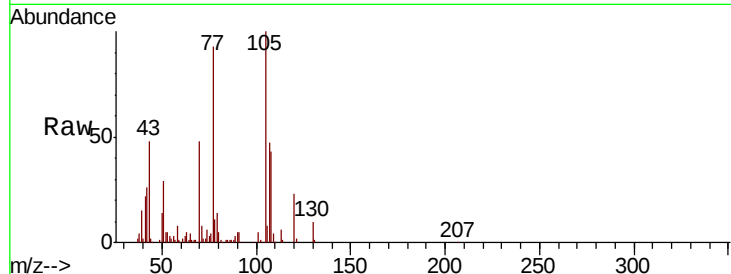
#18
Hexachloroethane
Concen: 7.611 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.6
201	93.5	82.0	123.0



Abundance Ion 117.00 (116.70 to 117.70): E
50000 Ion 119.00 (118.70 to 119.70): E
40000 Ion 201.00 (200.70 to 201.70): E





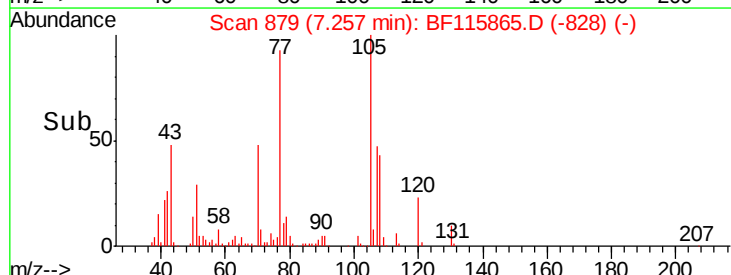
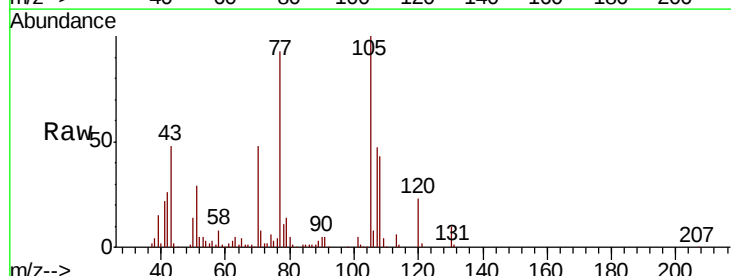
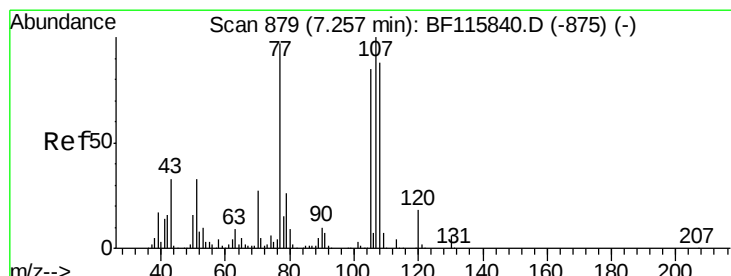
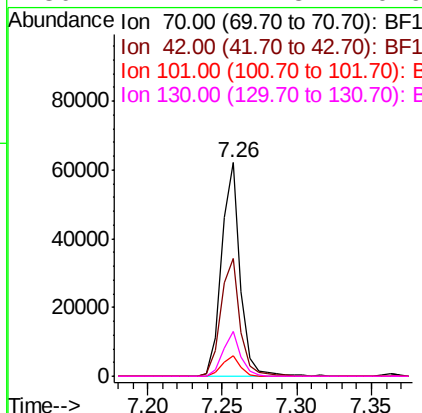
#19
n-Nitroso-di-n-propylamine
Concen: 8.329 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.1	41.8	62.8	
101	9.6	7.7	11.5	
130	21.2	17.8	26.6	

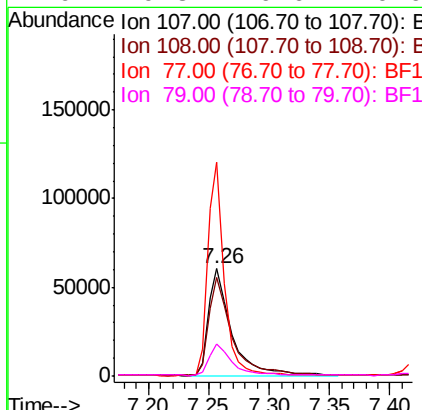
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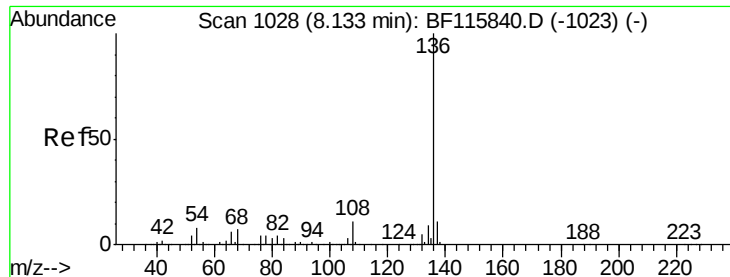
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#20
3+4-Methylphenols
Concen: 8.773 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.1	67.9	107.9	
77	198.8	77.3	117.3#	
79	29.3	6.6	46.6	





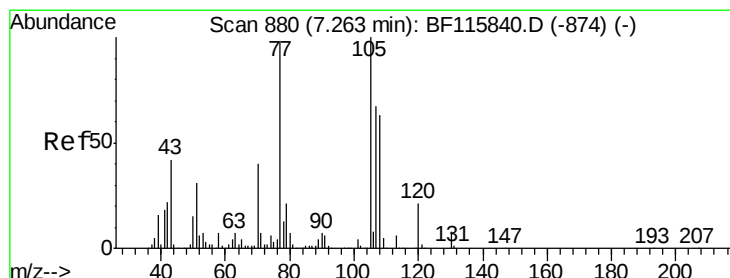
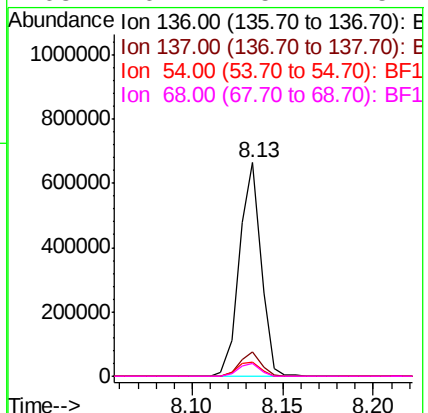
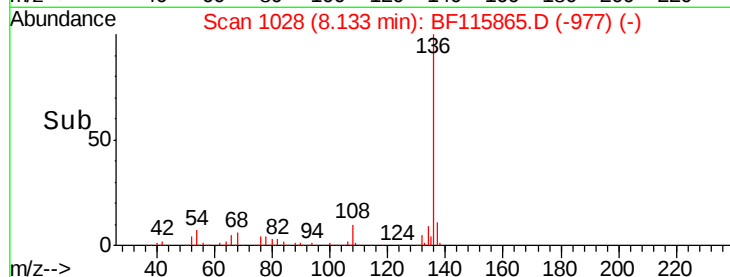
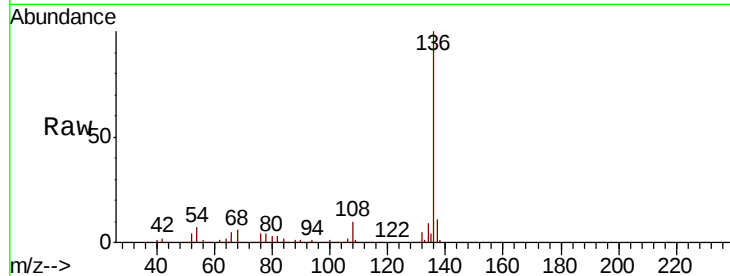
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	550377		
137	11.2	9.1	13.7	
54	6.9	6.1	9.1	
68	6.1	5.4	8.2	

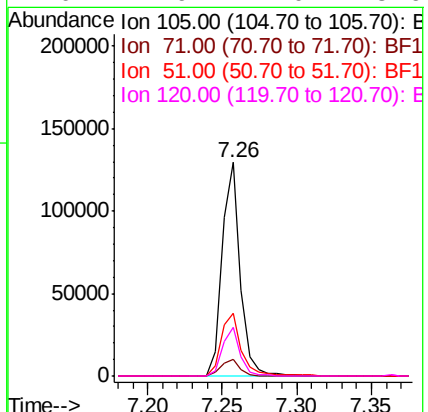
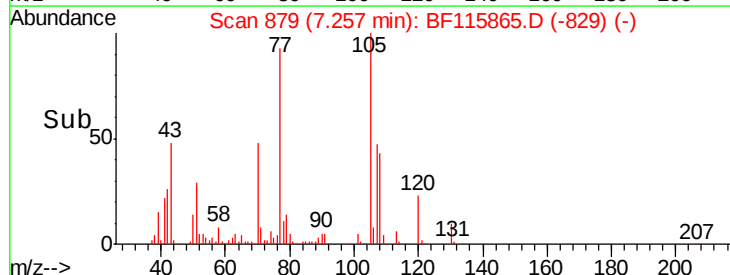
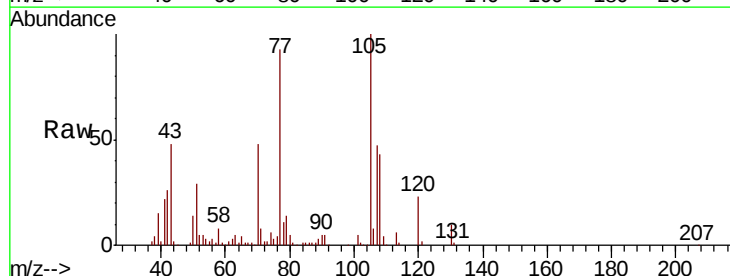
Manual Integrations
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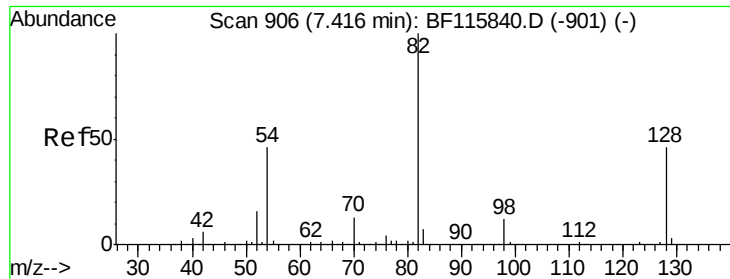
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#22
Acetophenone
Concen: 9.191 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	110938		
71	7.8	5.4	8.0	
51	29.1	24.6	36.8	
120	22.9	17.0	25.6	





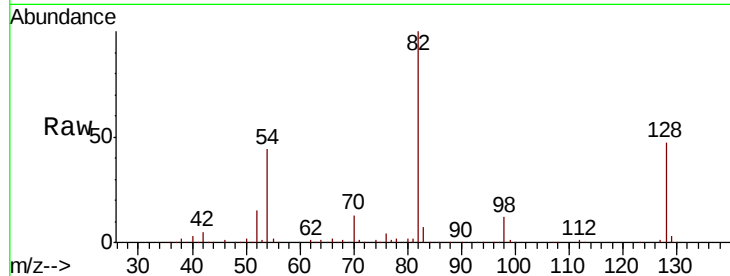
#23
Nitrobenzene-d5
Concen: 82.272 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.6	55.0
54	44.0	36.6	55.0

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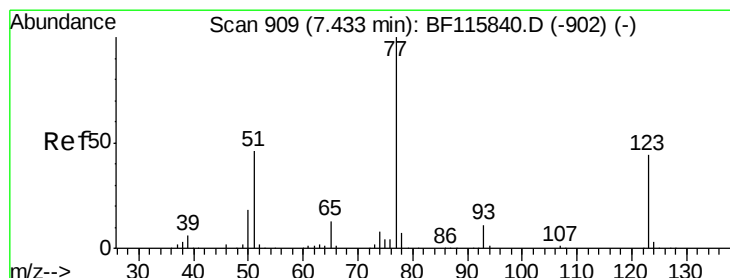
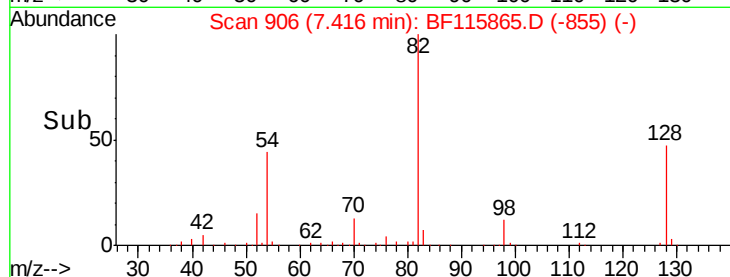
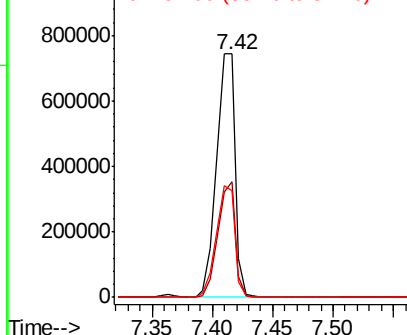


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 8.777 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

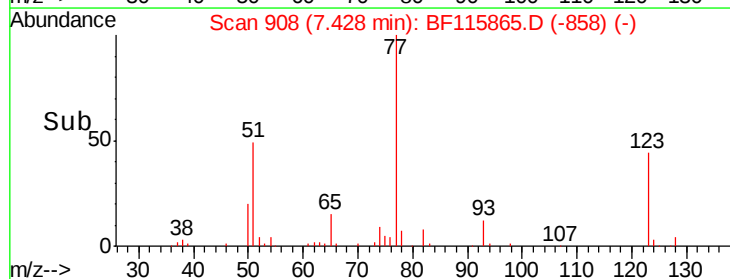
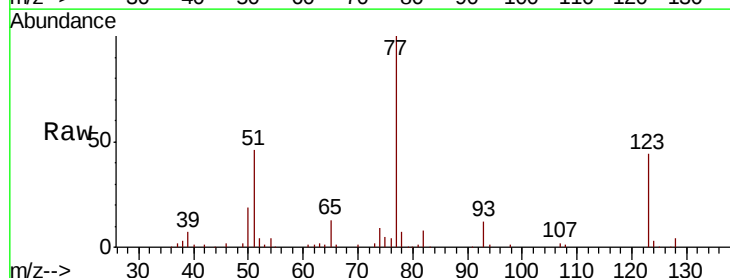
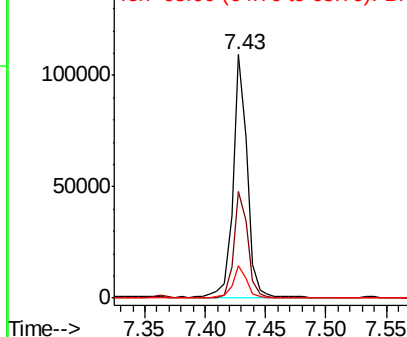
Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.5	53.3
65	13.4	10.6	15.8

Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 8.259 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

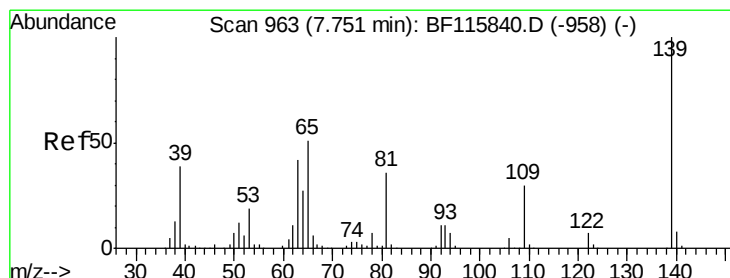
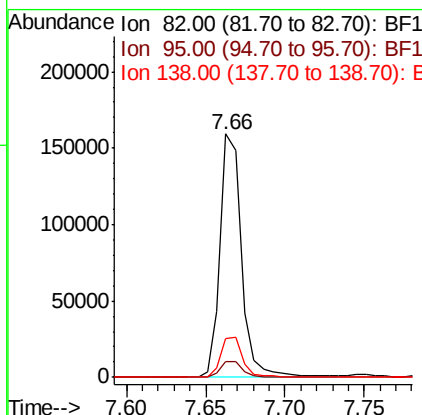
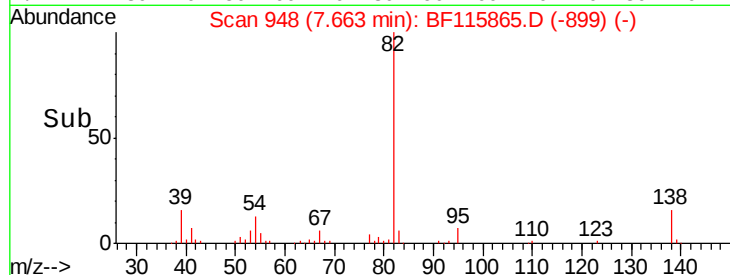
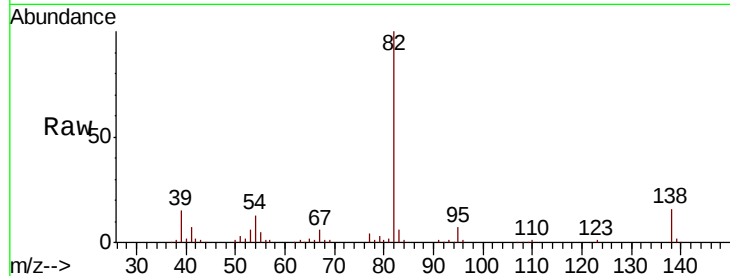
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	82	Resp:	150583
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.5	8.3
138	15.8	13.9	20.9

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#26

2-Nitrophenol

Concen: 7.556 ng

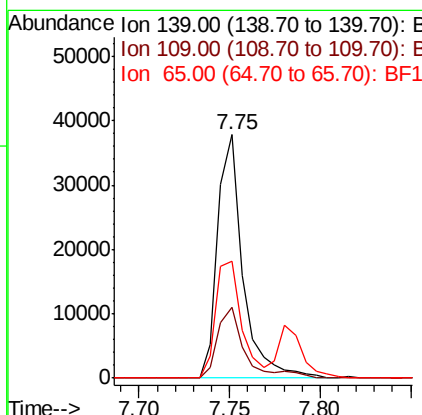
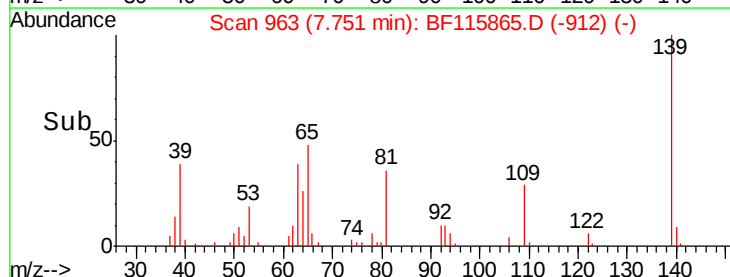
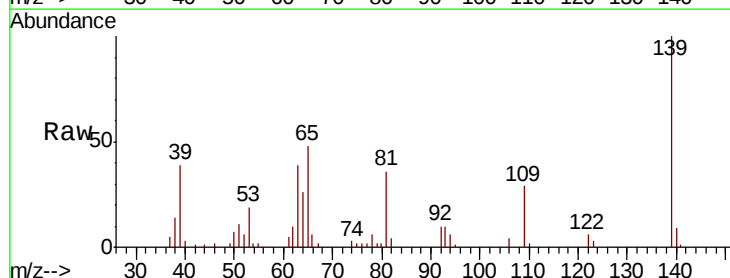
RT: 7.75 min Scan# 963

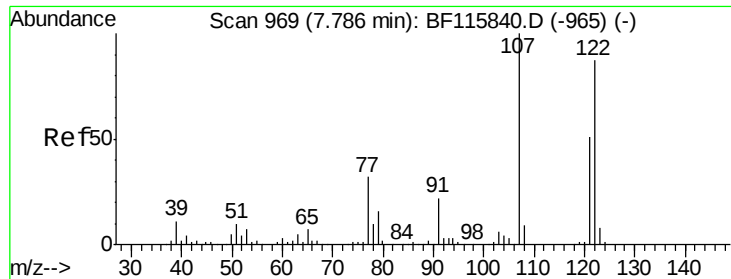
Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	139	Resp:	36670
Ion Ratio		Lower	Upper
139	100		
109	29.0	23.6	35.4
65	48.1	40.6	60.8





#27

2,4-Dimethylphenol

Concen: 8.853 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

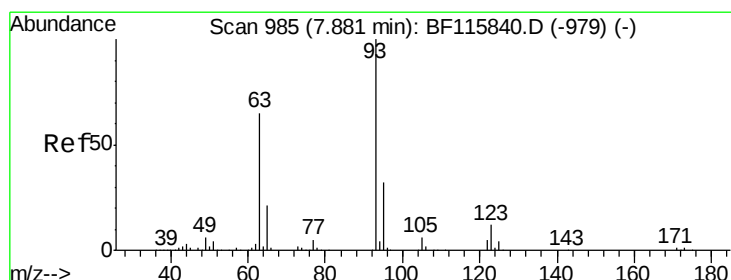
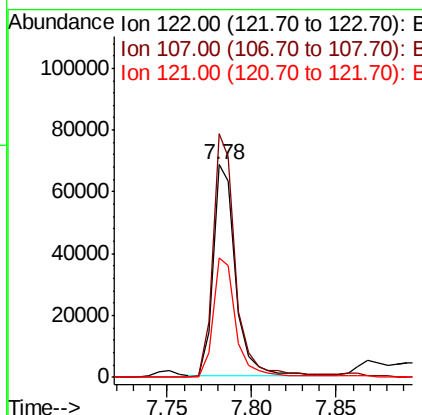
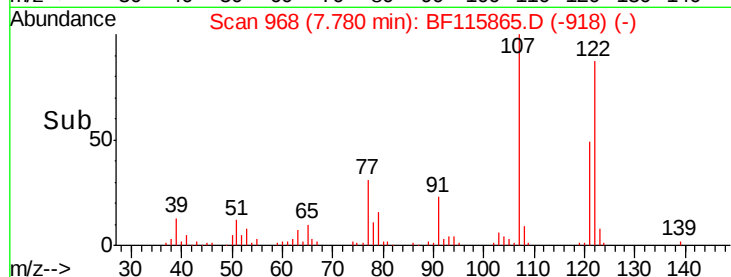
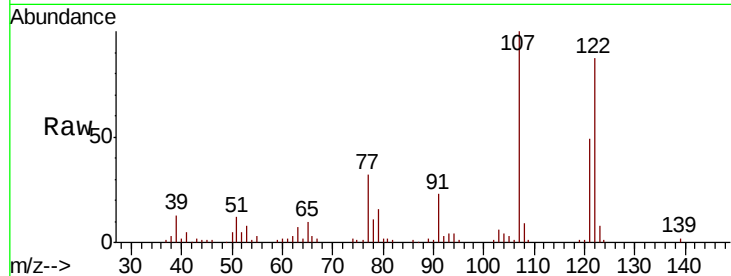
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		64638		
107	114.6	91.7	137.5		
121	56.2	46.6	70.0		

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#28

bis(2-Chloroethoxy)methane

Concen: 7.956 ng

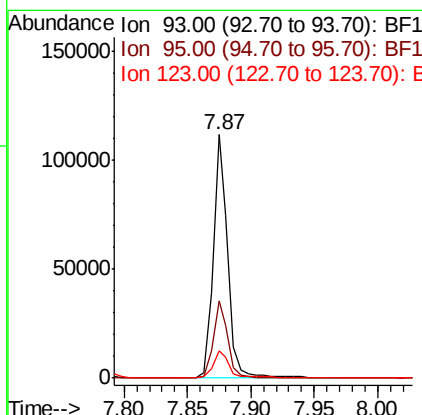
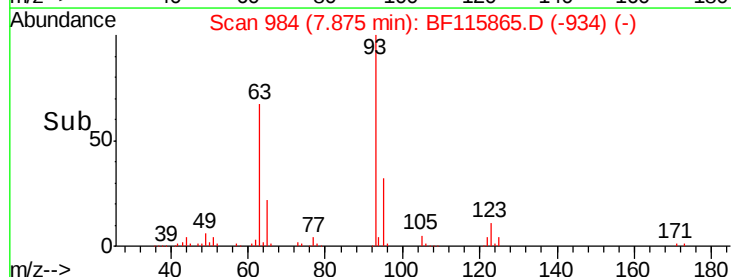
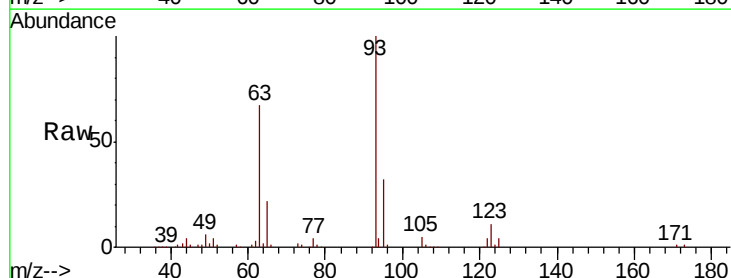
RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		89908		
95	31.9	26.0	39.0		
123	11.4	9.5	14.3		





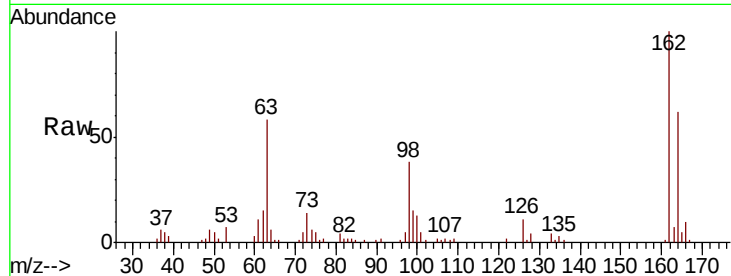
#29
2,4-Dichlorophenol
Concen: 8.214 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.1	43.2	83.2
98	38.1	17.3	57.3

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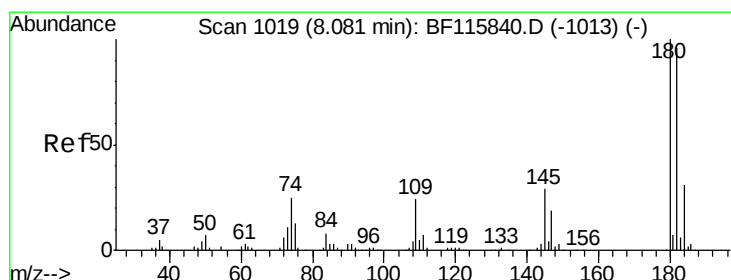
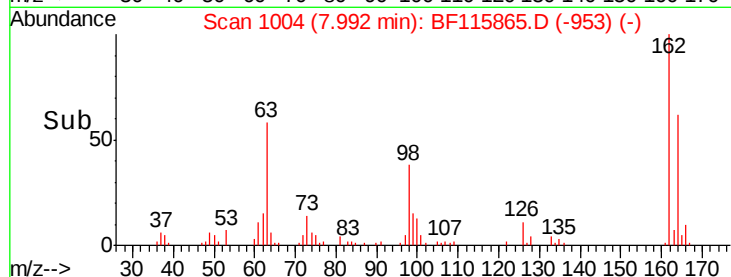
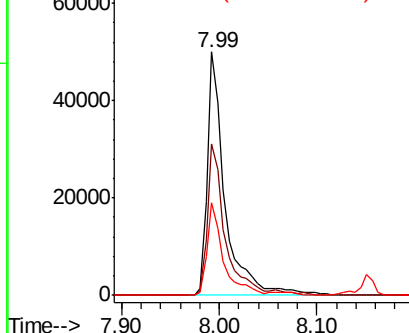


Abundance

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: 8.104 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

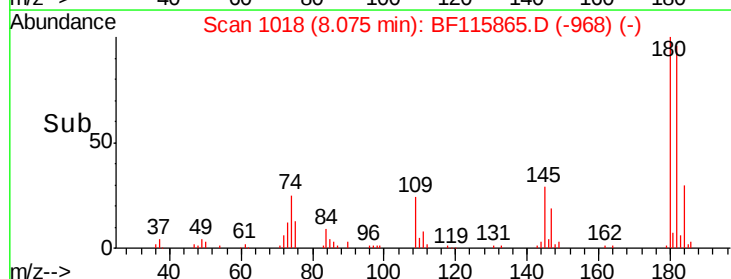
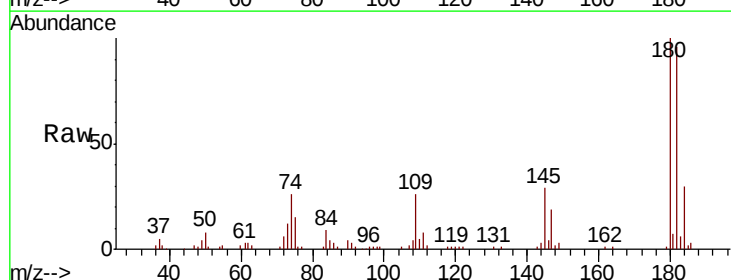
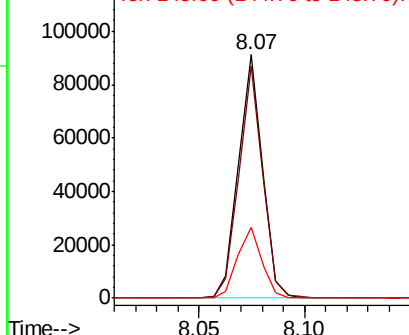
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	29.1	23.2	34.8

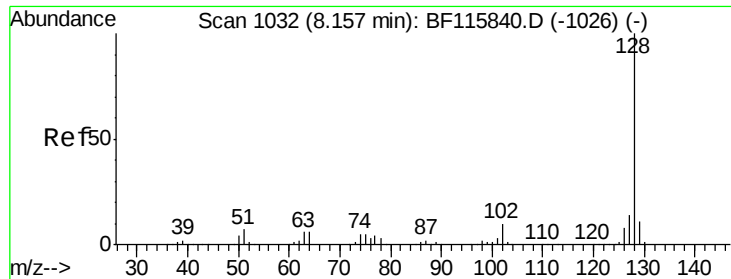
Abundance

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





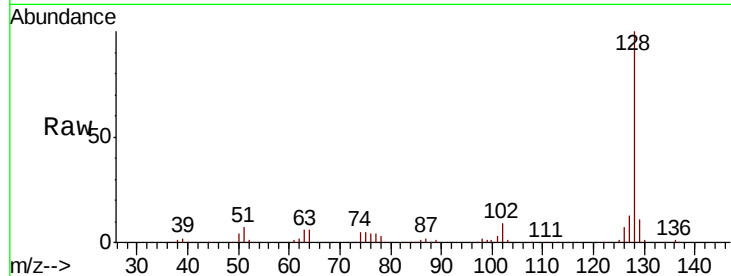
#31
Naphthalene
Concen: 9.007 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

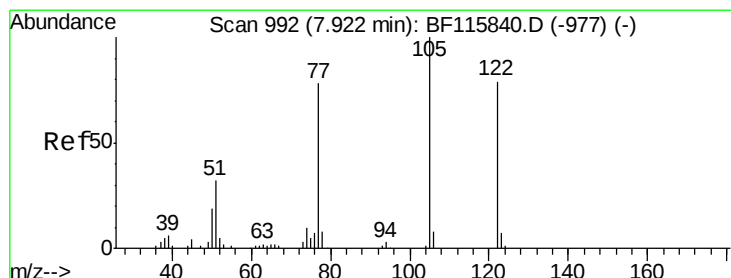
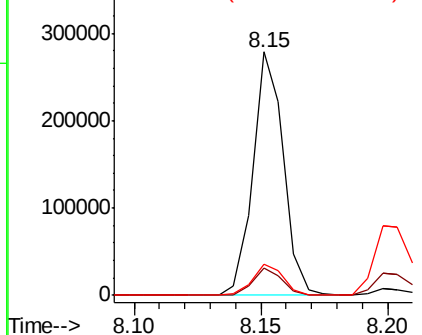
Tot Ion	Ratio	Resp	Lower	Upper
128	100	233285		
129	11.1	9.2	13.8	
127	12.8	11.0	16.4	

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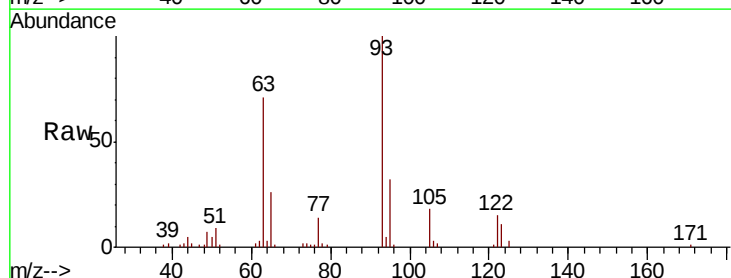


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

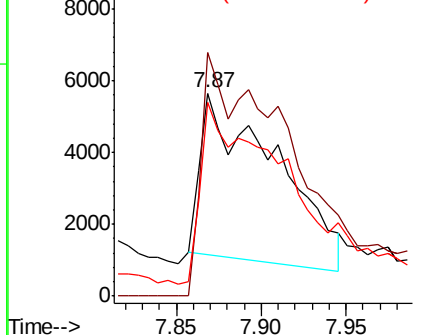


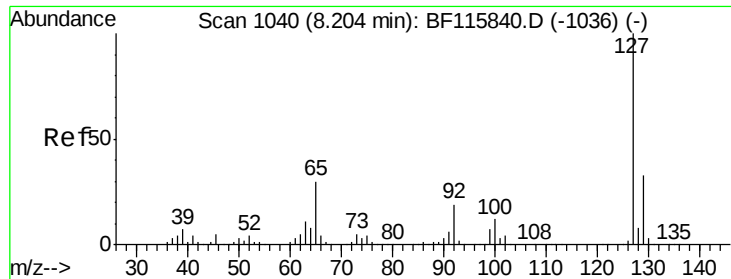
#32
Benzoic acid
Concen: 2.759 ng m
RT: 7.87 min Scan# 983
Delta R.T. -0.05 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	14202		
105	119.8	103.1	143.1	
77	95.2	76.8	116.8	



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





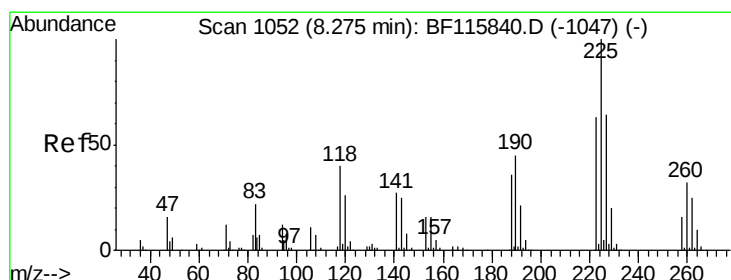
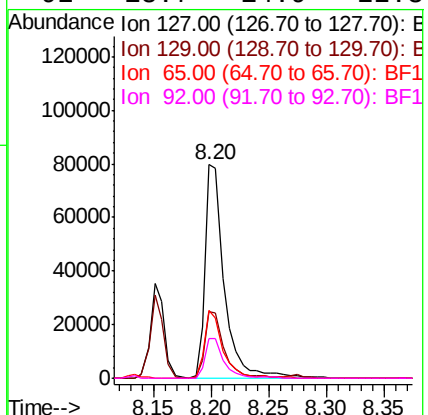
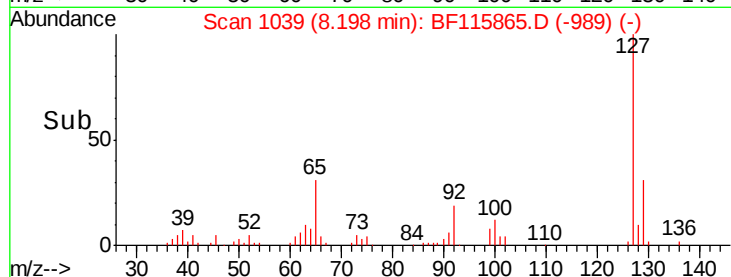
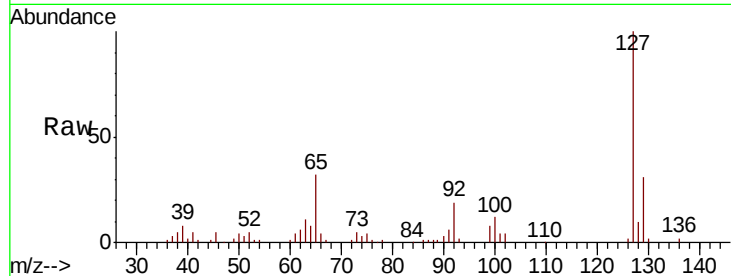
#33
4-Chloroaniline
Concen: 8.141 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.0	39.0
65	31.6	23.9	35.9
92	18.7	14.9	22.3

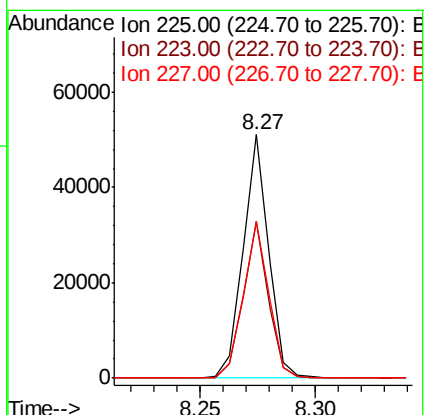
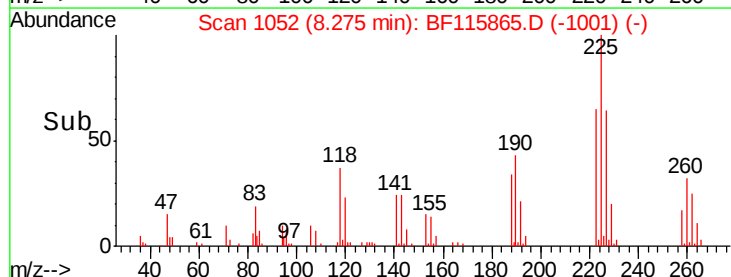
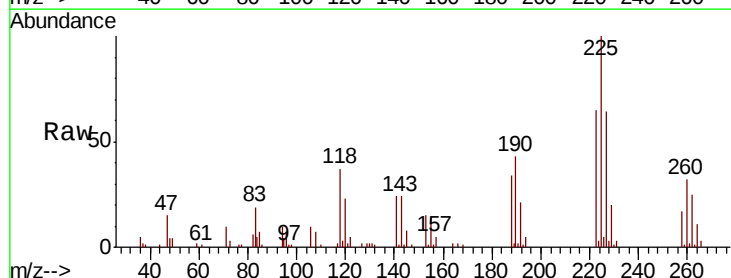
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#34
Hexachlorobutadiene
Concen: 7.806 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.4	75.6
227	64.2	51.6	77.4





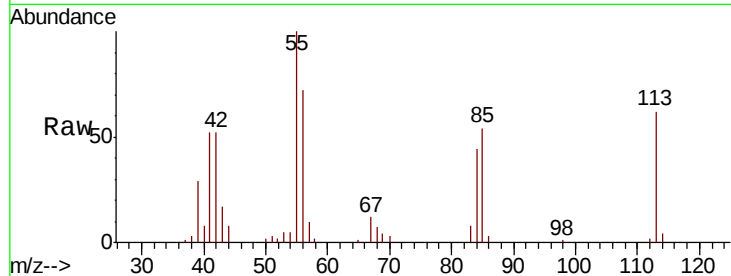
#35
Caprolactam
Concen: 7.862 ng
RT: 8.54 min Scan# 1097
Delta R.T. -0.05 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	160.9	138.1	178.1
56	115.2	100.6	140.6

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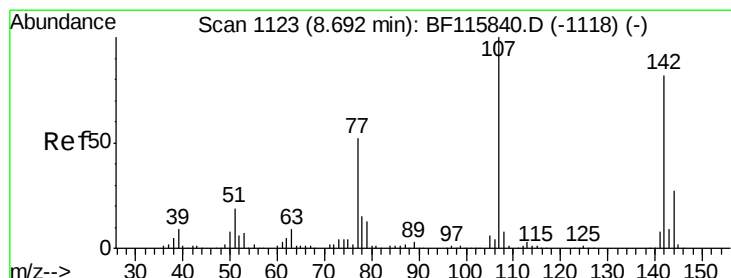
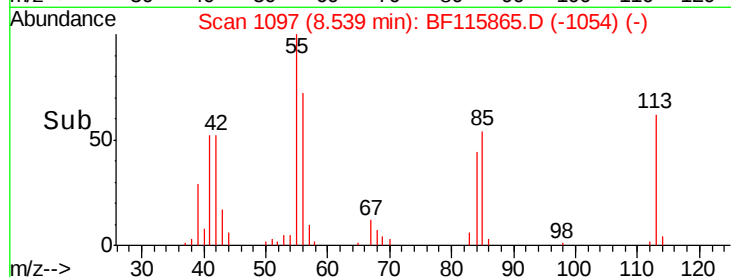
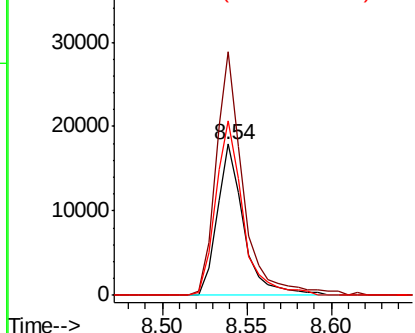


Abundance

Ion 113.00 (112.70 to 113.70): E

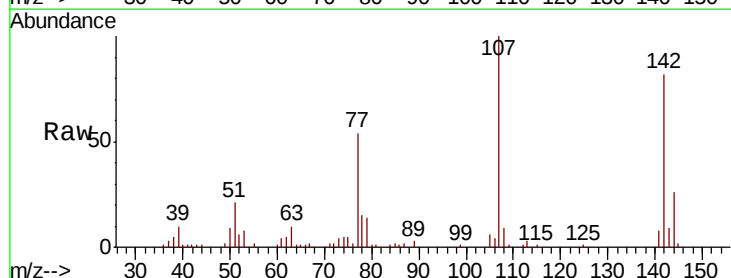
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 8.063 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.4	32.0
142	82.5	65.5	98.3

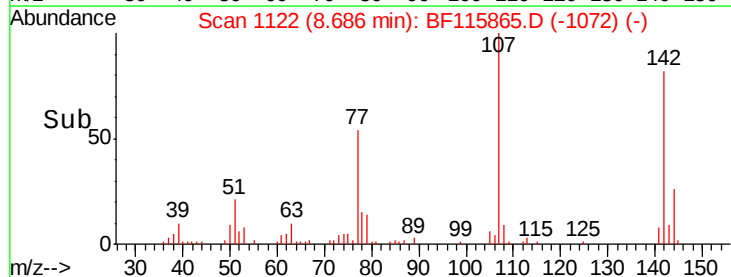
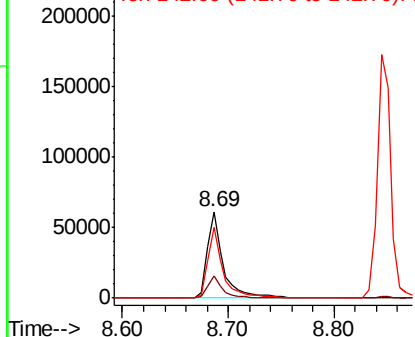


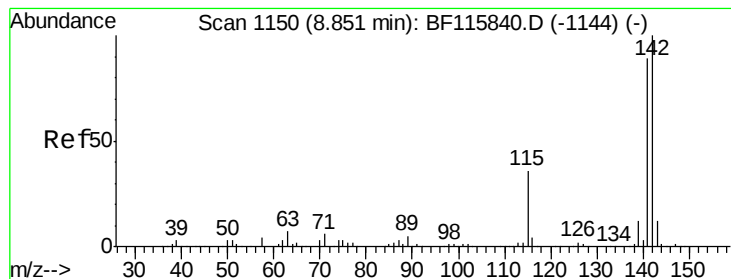
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





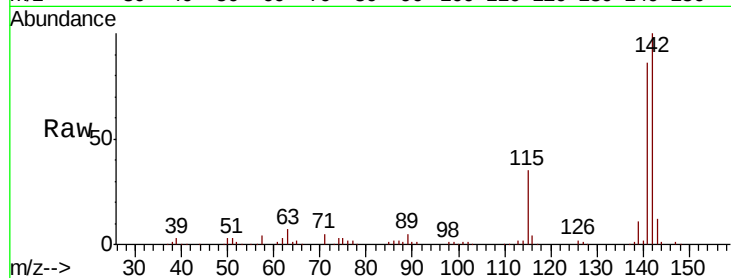
#37
2-Methylnaphthalene
Concen: 9.101 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.5	71.4	107.2
115	34.8	28.9	43.3

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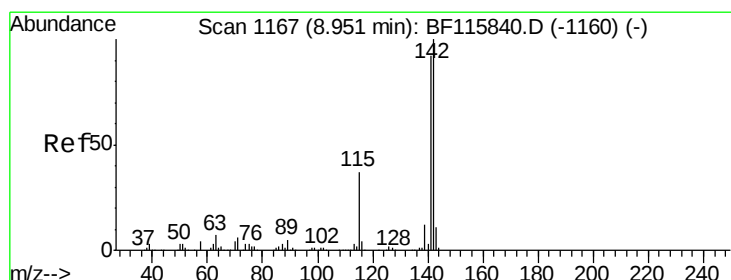
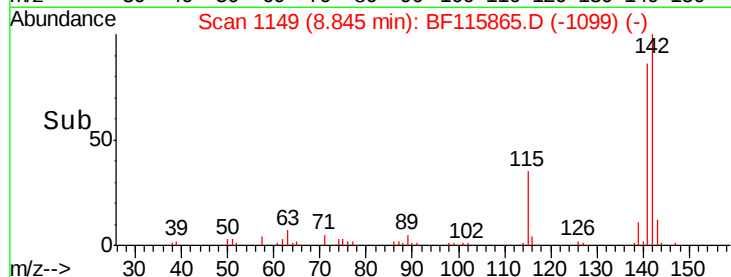
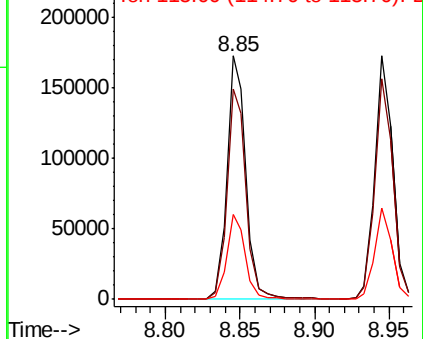


Abundance

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: 8.878 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

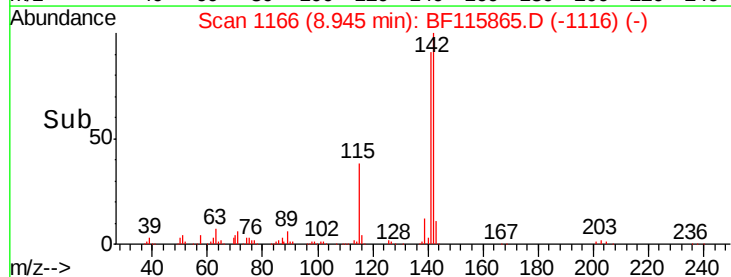
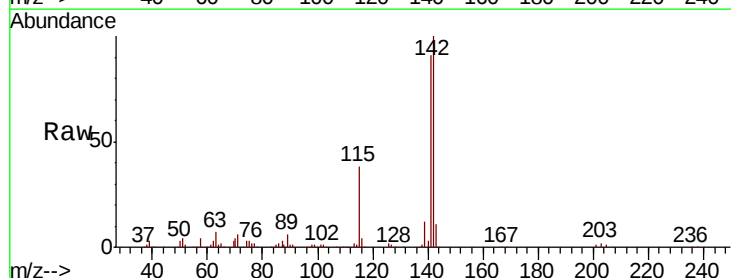
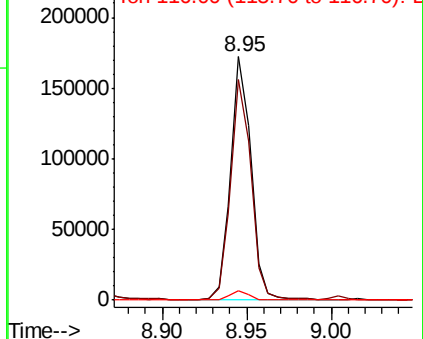
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.8	110.6
116	3.8	3.1	4.7

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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

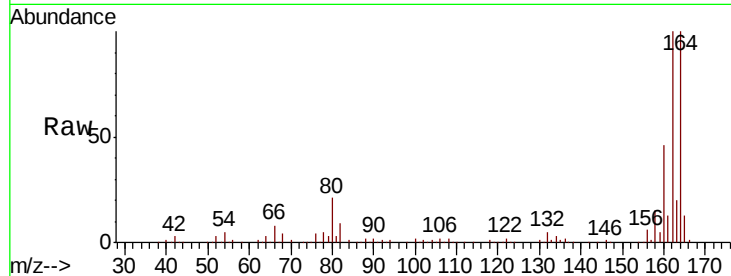
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	164	Resp:	292726
Ion Ratio	Lower	Upper	
164	100		
162	100.1	80.8	121.2
160	46.2	36.2	54.4

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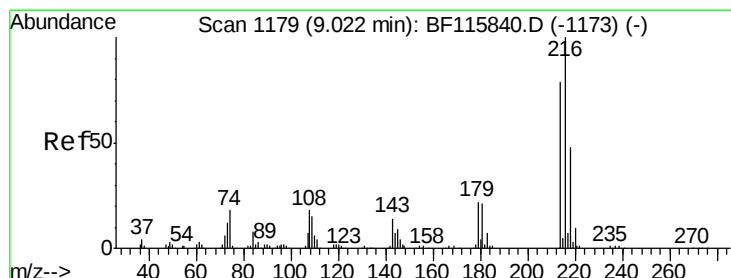
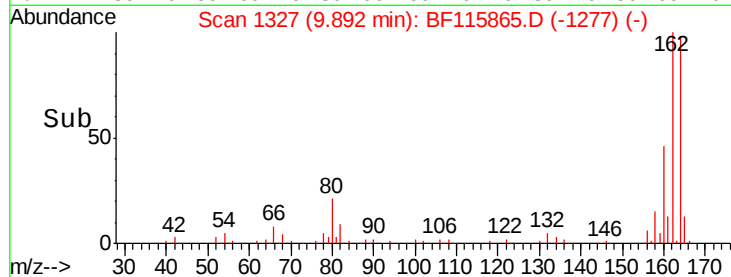
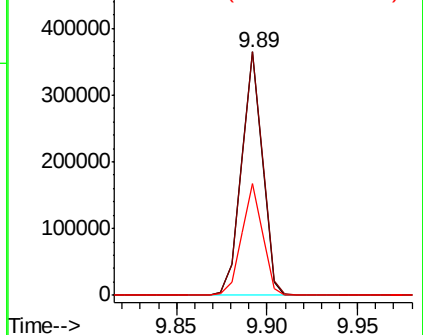


Abundance

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: 8.496 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	216	Resp:	66489
Ion Ratio	Lower	Upper	
216	100		
214	80.1	62.8	94.2
179	21.3	17.6	26.4
108	19.8	16.1	24.1

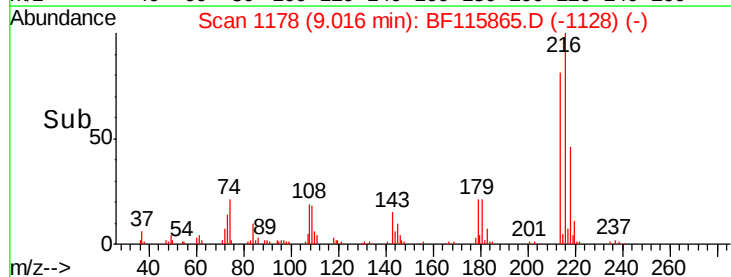
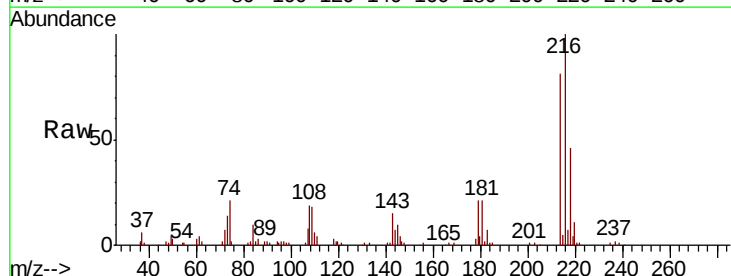
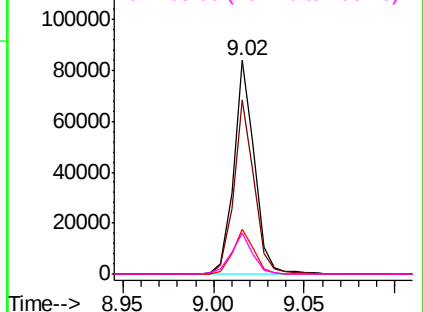
Abundance

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: 3.903 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

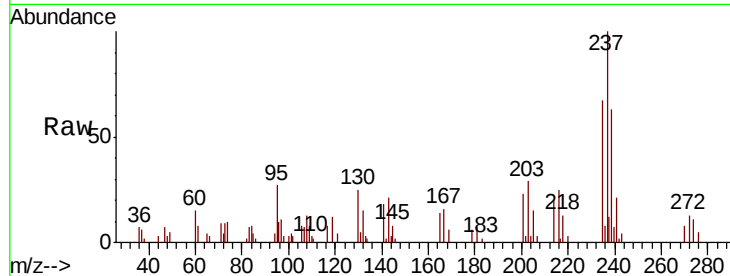
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

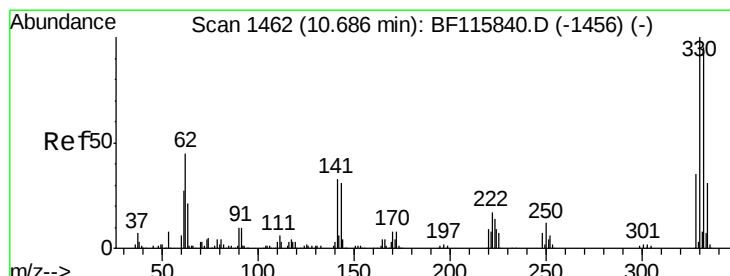
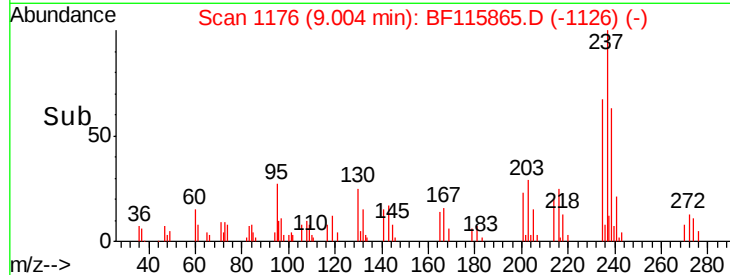
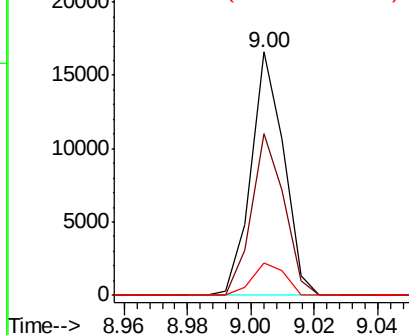
Tot Ion:	237	Resp:	11939
Ion Ratio	Lower	Upper	
237	100		
235	66.6	42.5	82.5
272	13.4	0.0	33.3

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 98.645 ng

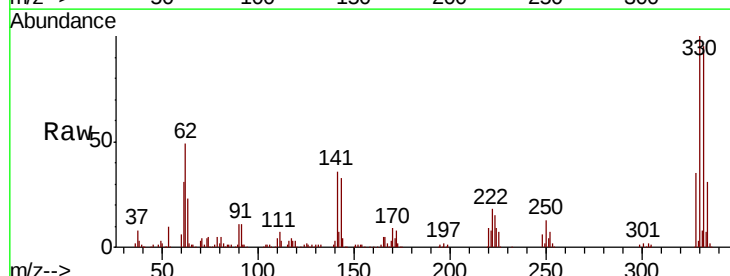
RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

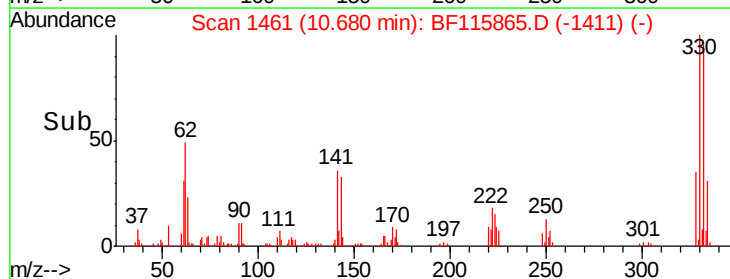
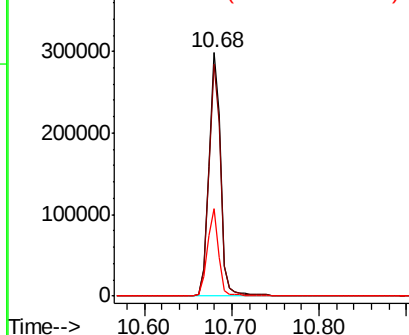
Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	330	Resp:	279961
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.7	116.5
141	34.4	28.1	42.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





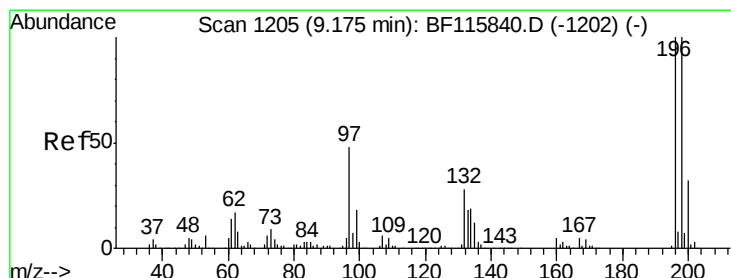
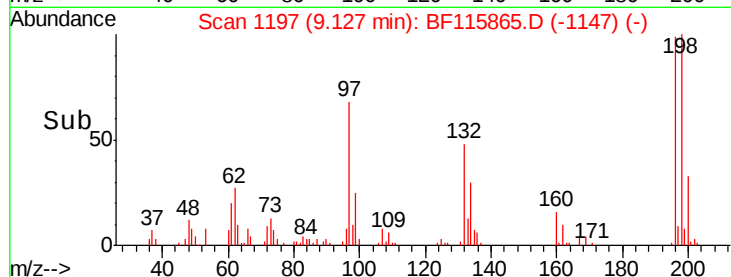
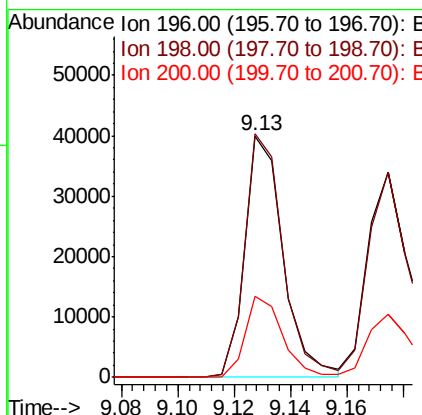
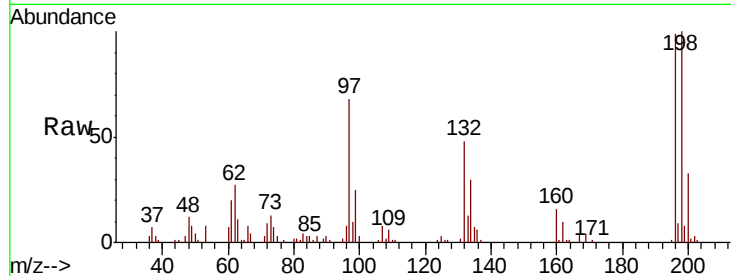
#43
 2,4,6-Trichlorophenol
 Concen: 6.989 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	196	Resp:	37648
Ion Ratio	Lower	Upper	
196	100		
198	100.8	79.1	118.7
200	33.6	26.0	39.0

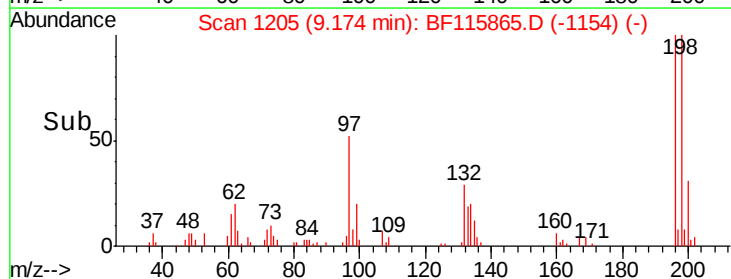
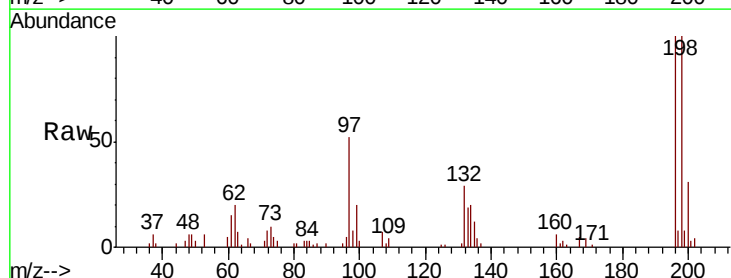
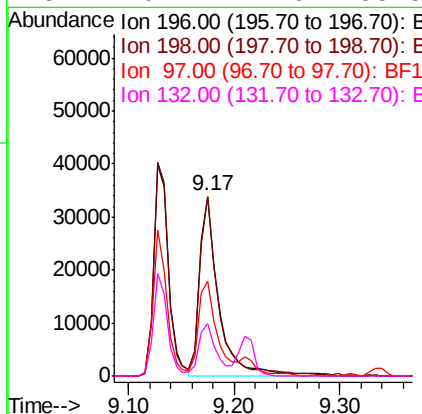
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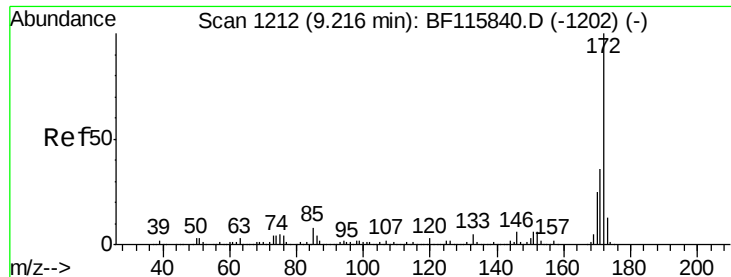
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#44
 2,4,5-Trichlorophenol
 Concen: 7.690 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion:	196	Resp:	42816
Ion Ratio	Lower	Upper	
196	100		
198	99.9	80.1	120.1
97	52.4	38.9	58.3
132	29.4	22.6	33.8





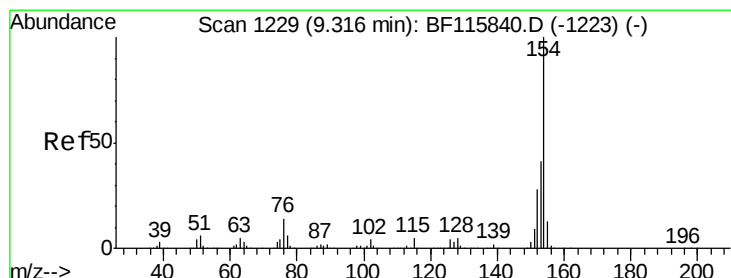
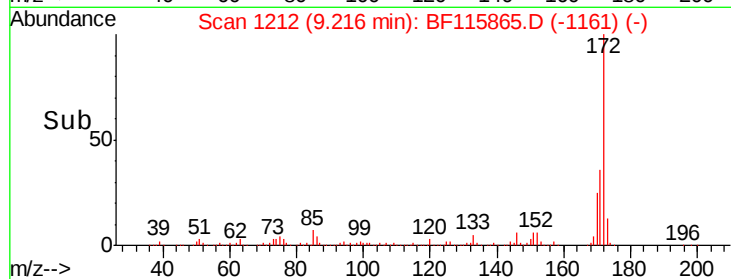
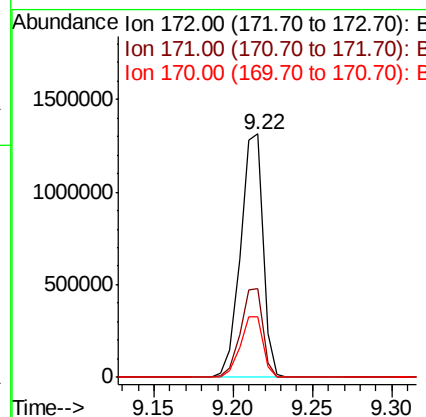
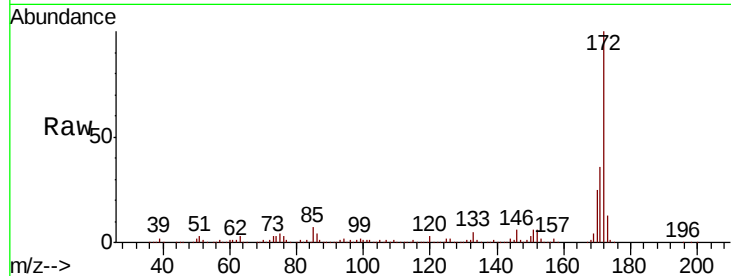
#45
2-Fluorobiphenyl
Concen: 82.853 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.1	43.7
170	24.8	20.1	30.1

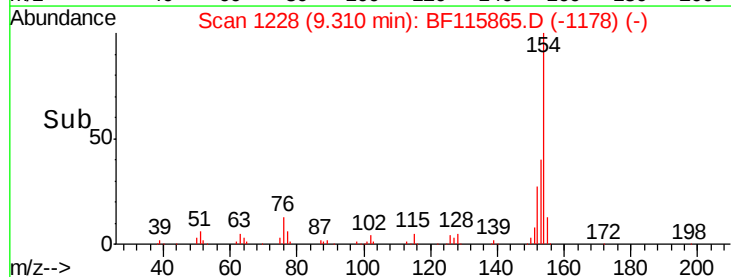
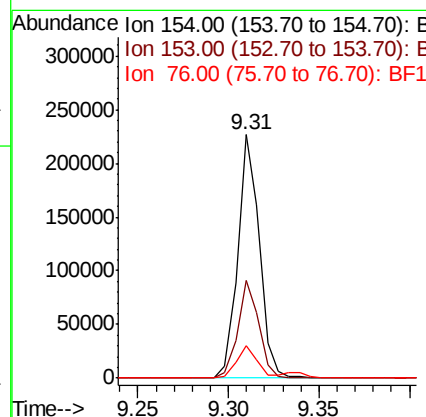
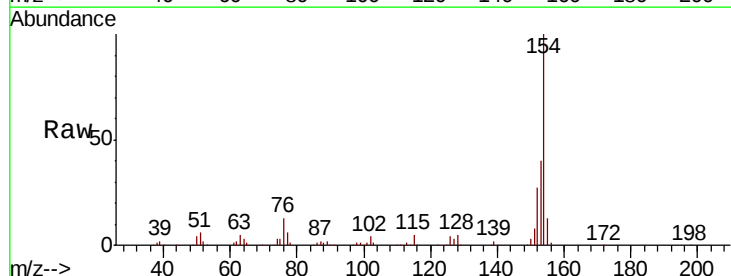
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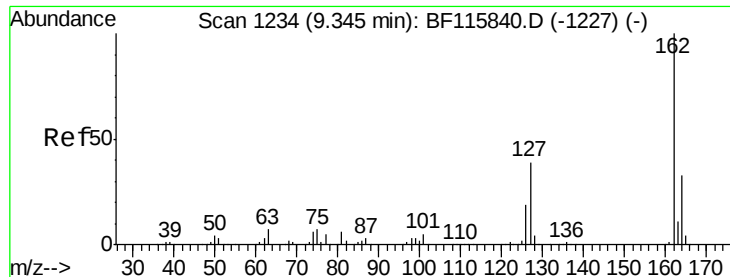
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#46
1,1'-Biphenyl
Concen: 9.071 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.9	60.9
76	13.4	0.0	34.3





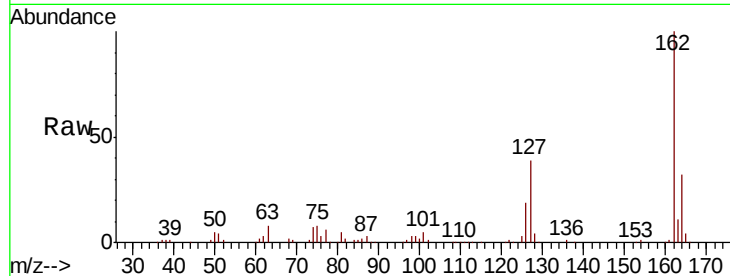
#47
2-Chloronaphthalene
Concen: 8.291 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

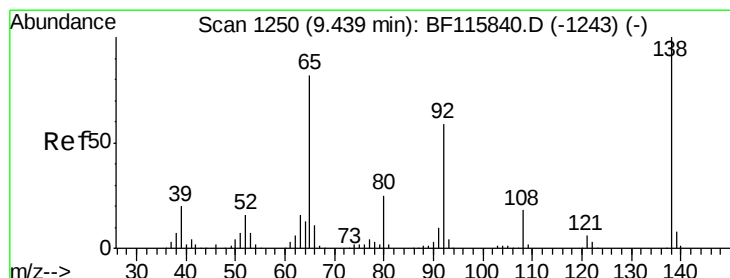
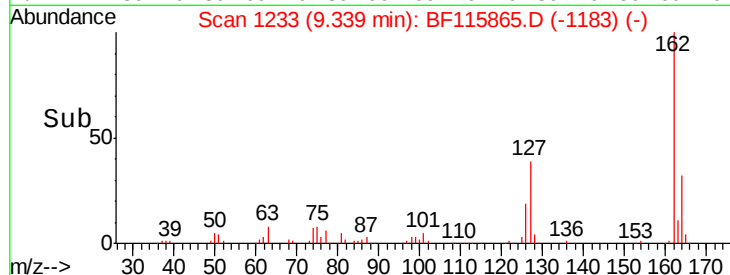
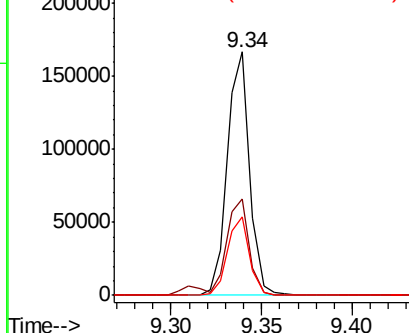
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.4	31.3	46.9		
164	32.0	26.6	40.0		

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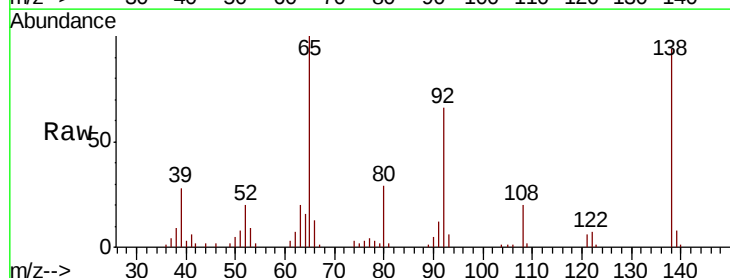


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

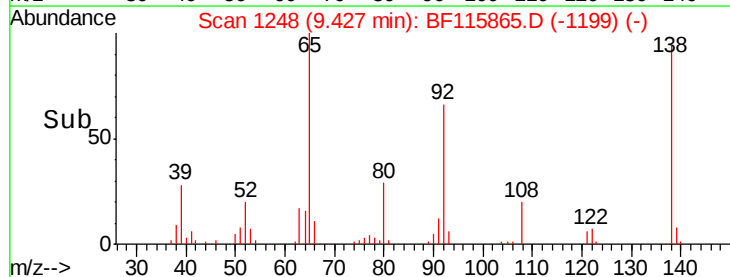
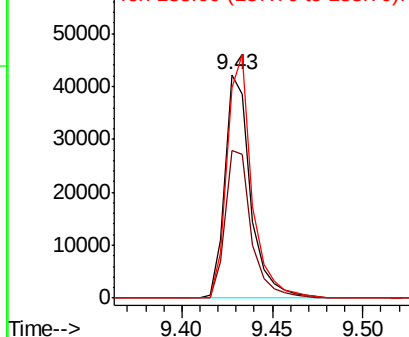


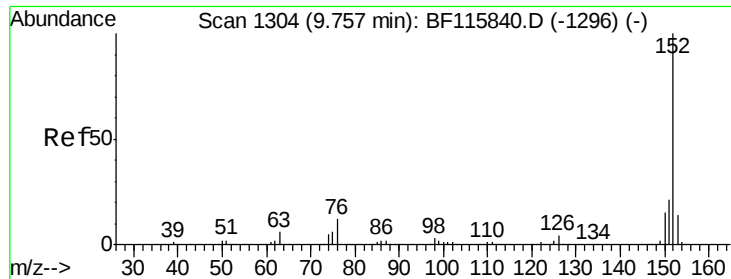
#48
2-Nitroaniline
Concen: 7.354 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	65.8	57.1	85.7		
138	94.3	97.1	145.7		



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: 8.883 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

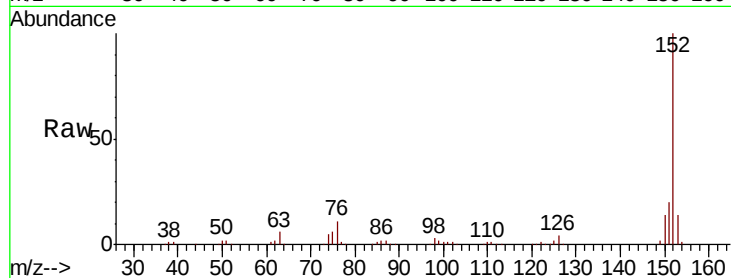
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

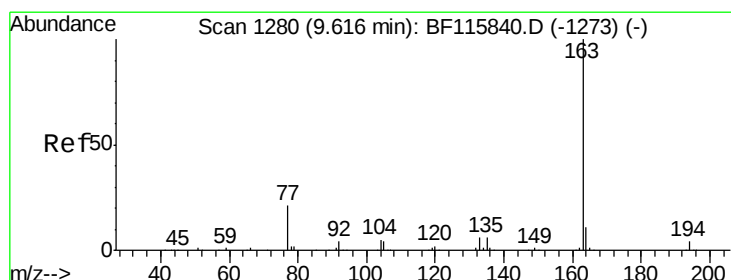
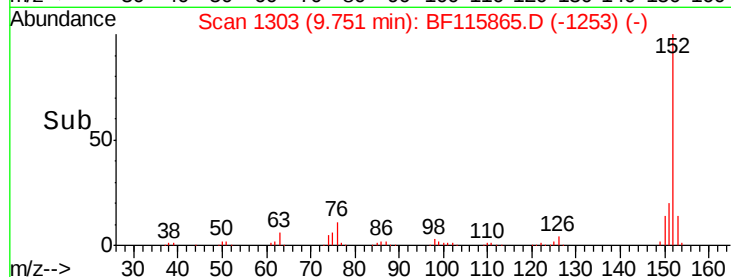
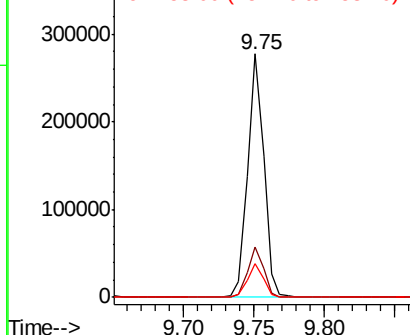
Tot Ion:	152	Resp:	222918
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.8	25.2
153	13.9	11.6	17.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.929 ng

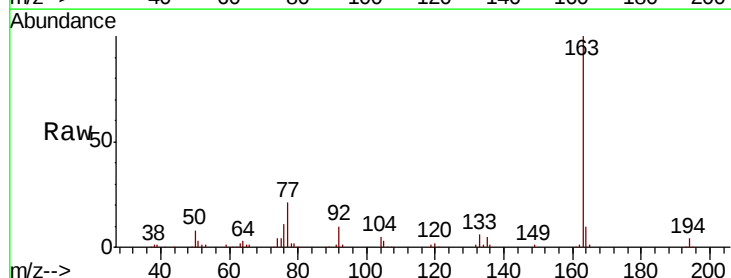
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

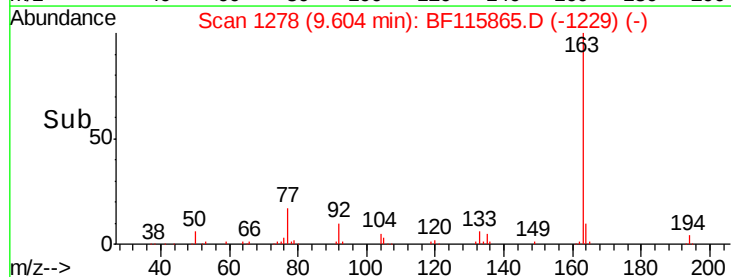
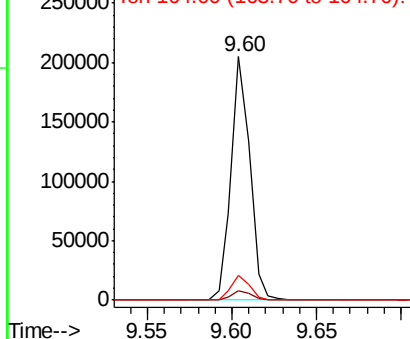
Lab File: BF115865.D

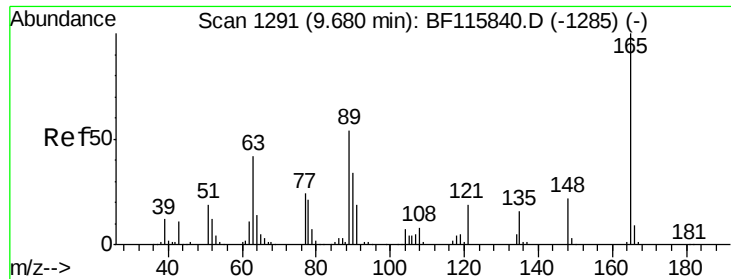
Acq: 31 Jul 2019 14:52

Tgt Ion:	163	Resp:	158038
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.1	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





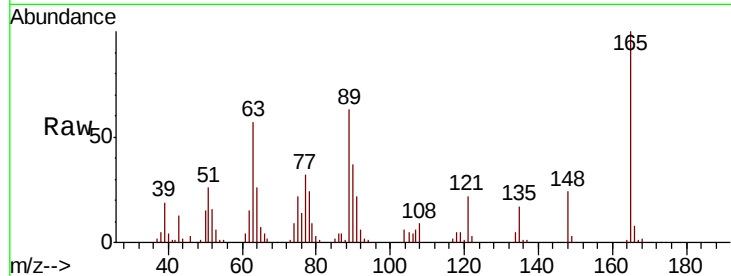
#51
2,6-Dinitrotoluene
Concen: 7.702 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	33362		
63	56.7	39.4	59.2	
89	63.2	43.0	64.6	

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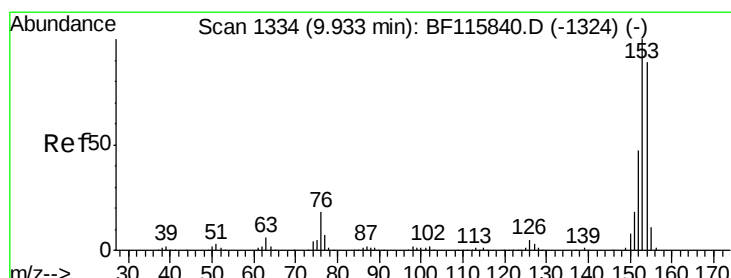
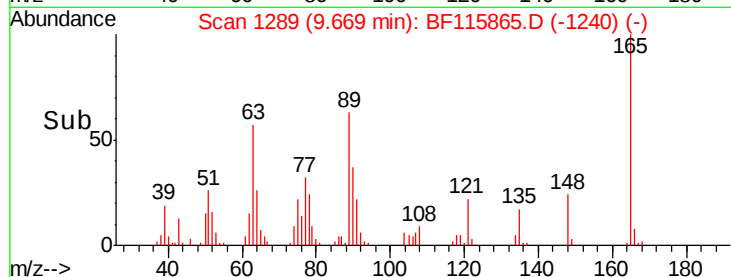
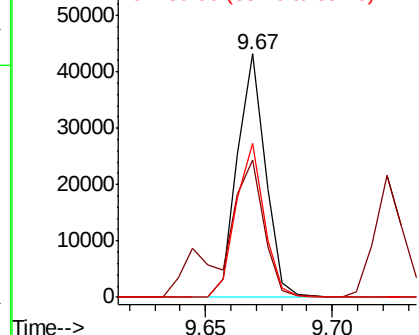


Abundance

Ion 165.00 (164.70 to 165.70): E

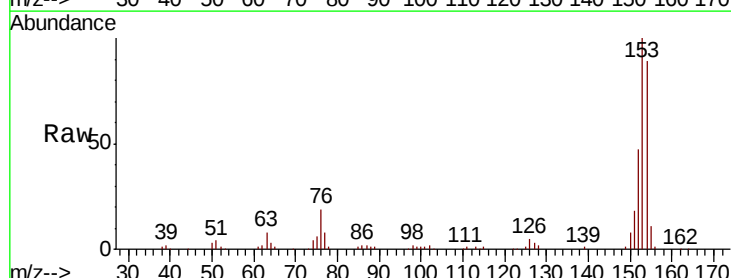
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
Acenaphthene
Concen: 8.739 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	134533		
153	112.4	90.1	135.1	
152	52.8	42.6	63.8	

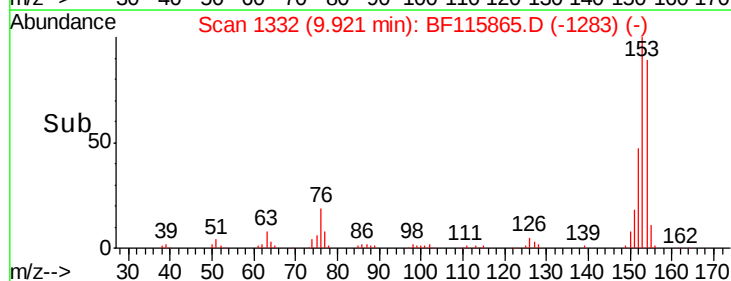
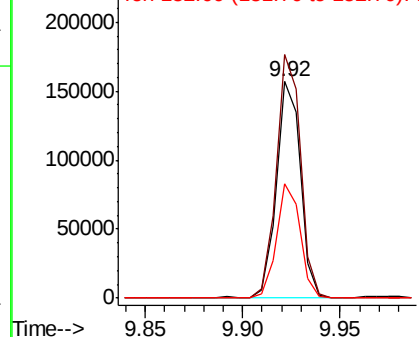


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





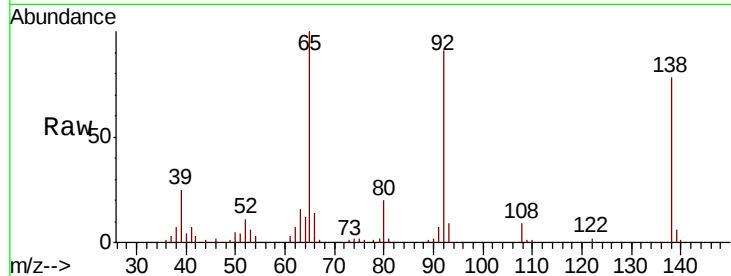
#53
3-Nitroaniline
Concen: 6.995 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.4	11.2
92	115.6	83.9	125.9

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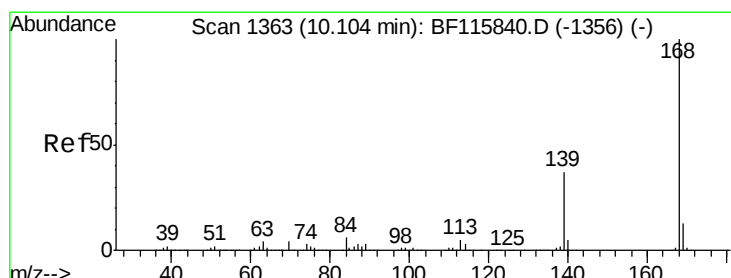
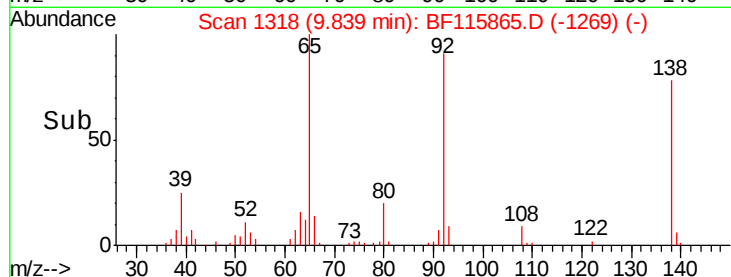
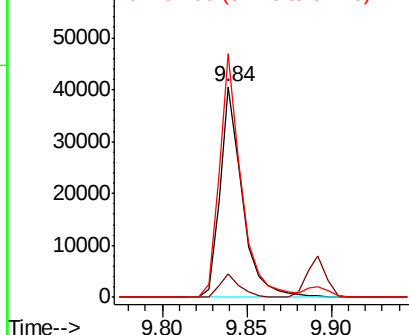


Abundance

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



#55
Dibenzofuran
Concen: 9.045 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

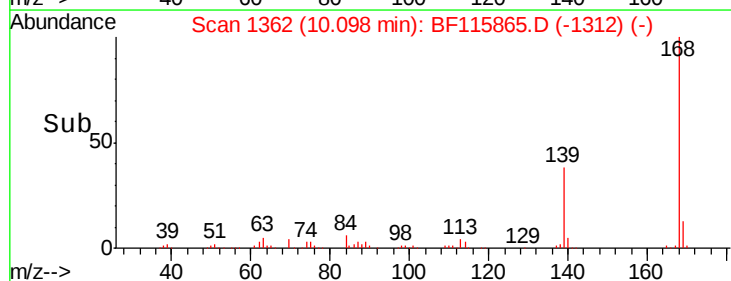
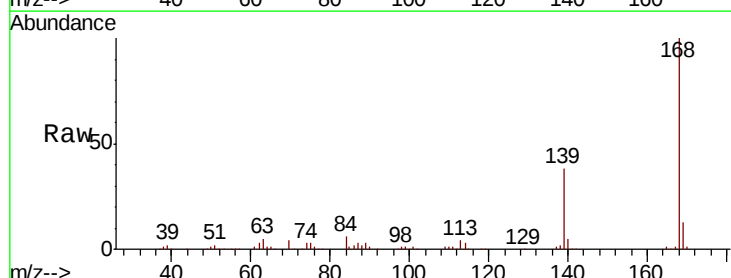
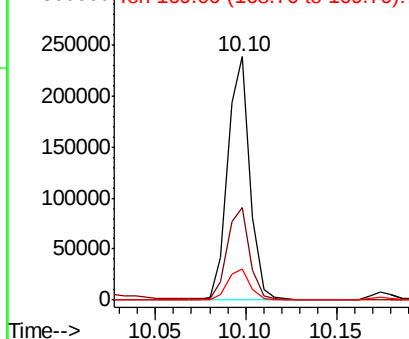
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.2
169	12.7	10.8	16.2

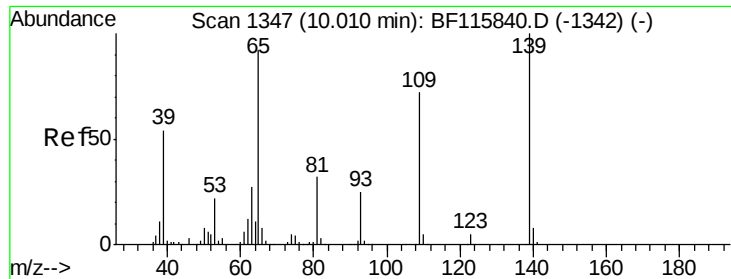
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 4.766 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:139 Resp: 16339

Ion Ratio Lower Upper

139 100

109 81.4 52.0 92.0

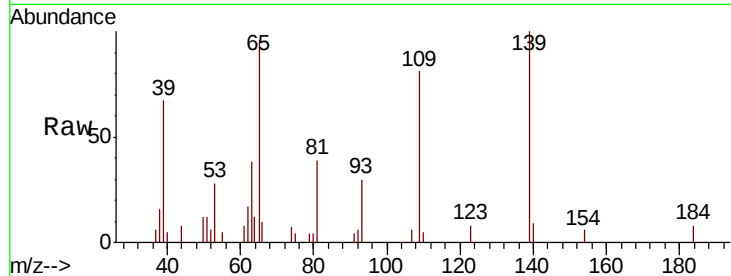
65 95.9 72.6 112.6

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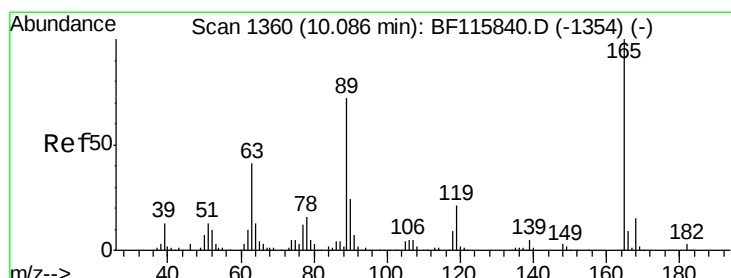
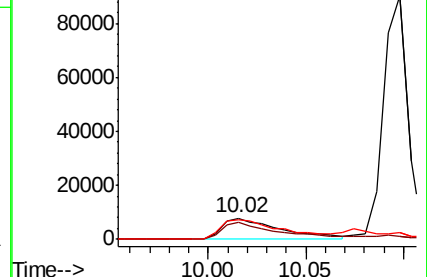
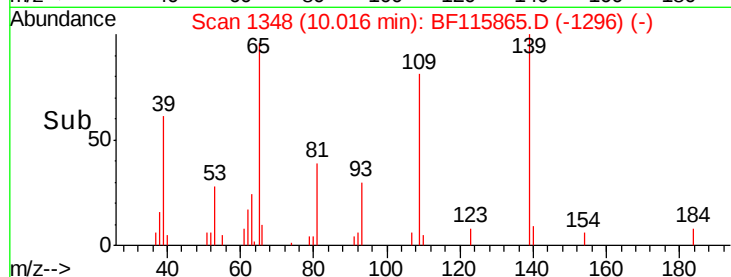
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.556 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:165 Resp: 43574

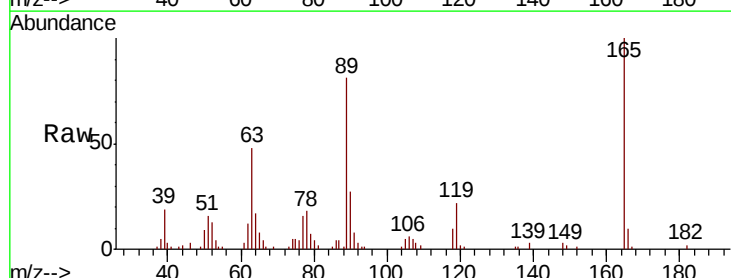
Ion Ratio Lower Upper

165 100

63 48.0 33.2 49.8

89 80.5 57.3 85.9

182 2.3 2.1 3.1

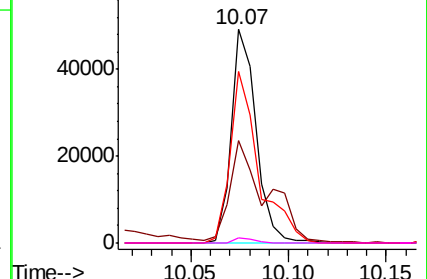
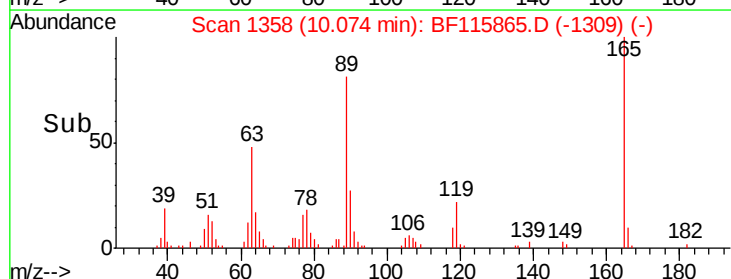


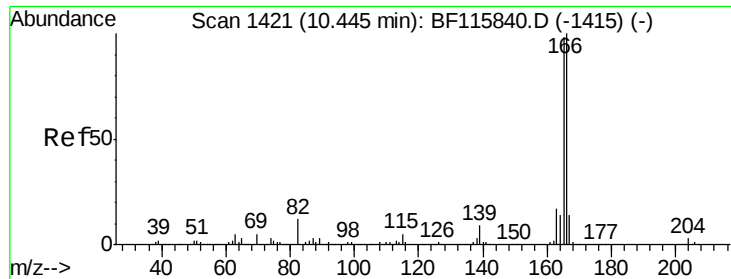
Abundance Ion 165.00 (164.70 to 165.70): E

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





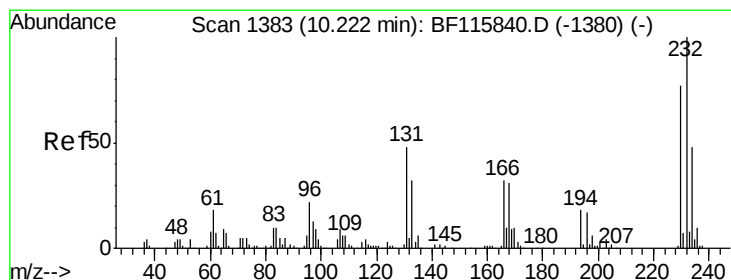
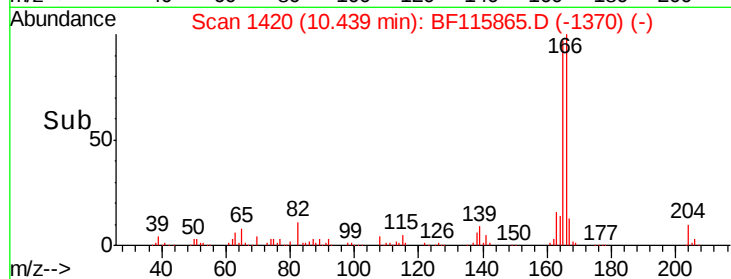
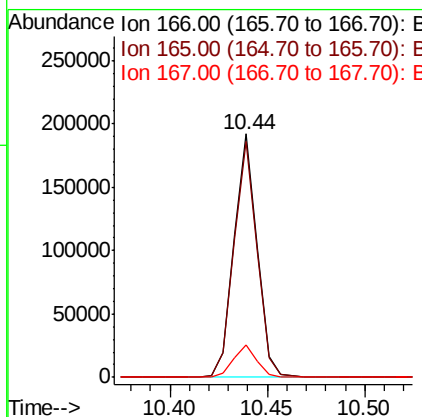
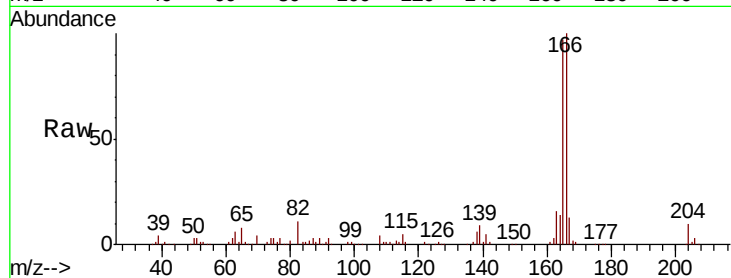
#58
Fluorene
Concen: 9.144 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
166	100	157507		
165	96.8	78.6	118.0	
167	13.3	10.9	16.3	

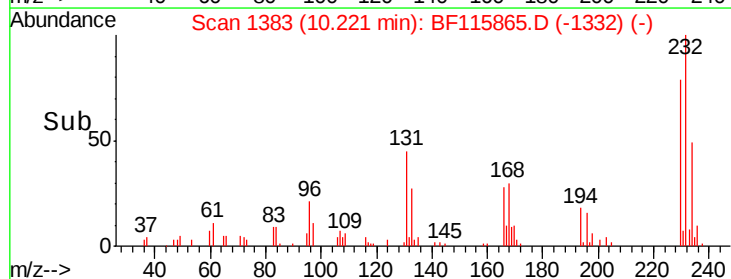
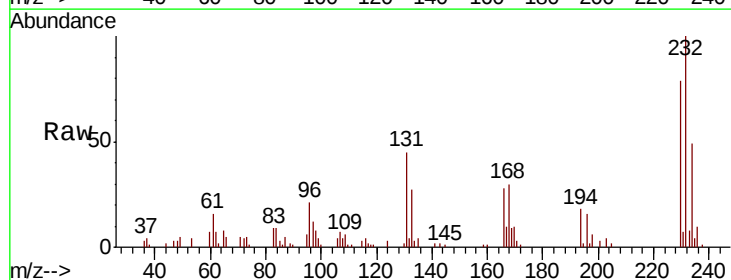
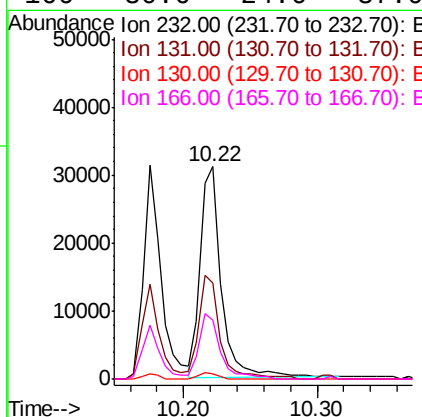
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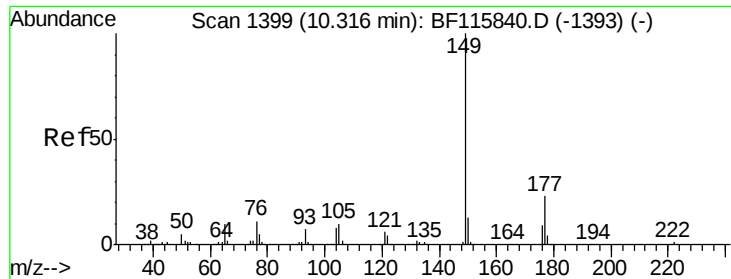
mohammad
8/1/2019 5:06:31 PM



#59
2,3,4,6-Tetrachlorophenol
Concen: 7.280 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	34102		
131	50.0	37.6	56.4	
130	2.5	1.8	2.8	
166	30.6	24.6	37.0	





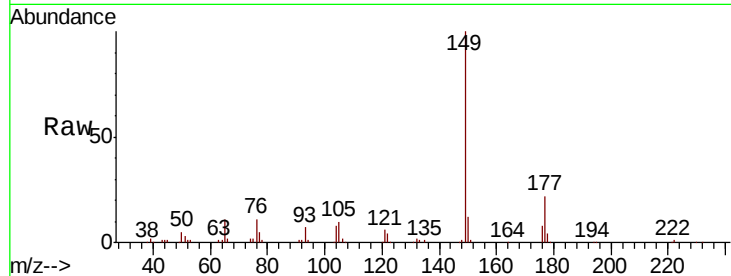
#60
Diethylphthalate
Concen: 7.949 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.4	27.6
150	12.1	10.1	15.1

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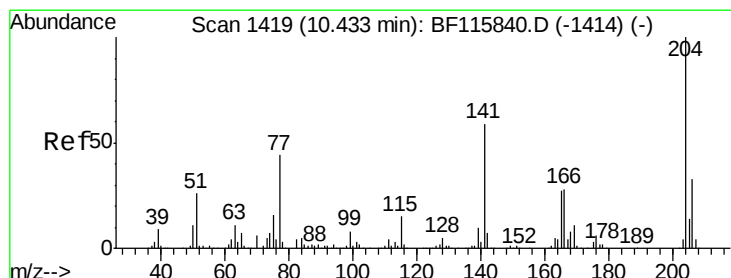
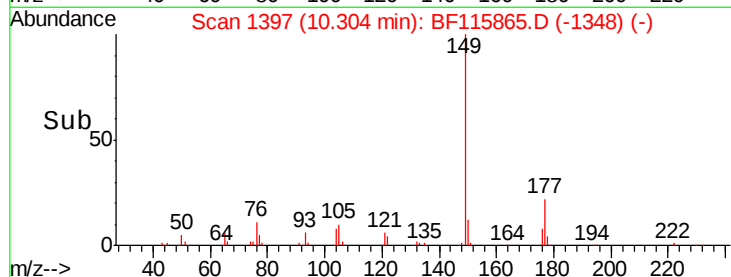
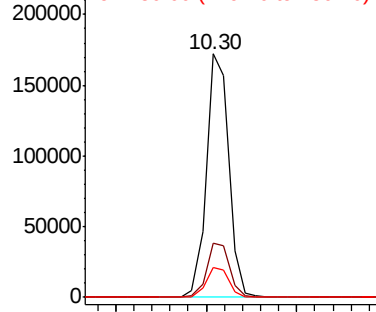


Abundance

Ion 149.00 (148.70 to 149.70): E

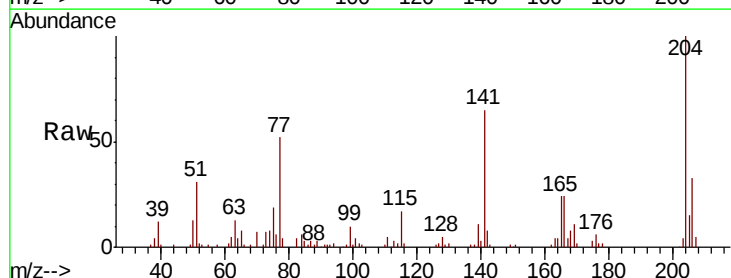
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#61
4-Chlorophenyl-phenylether
Concen: 8.395 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	64.8	47.0	70.4

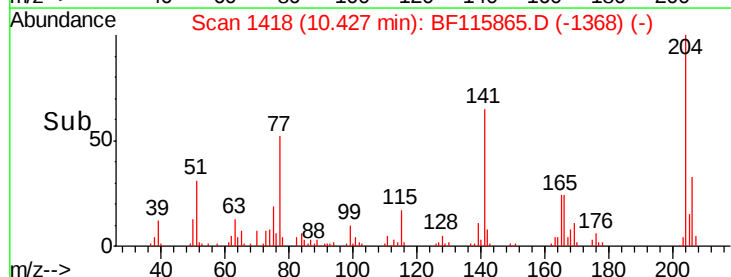
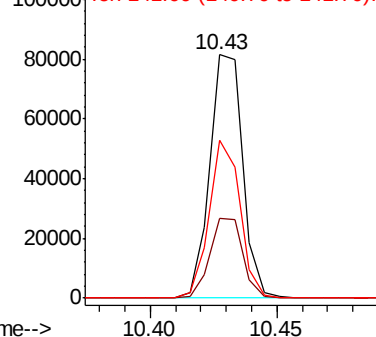


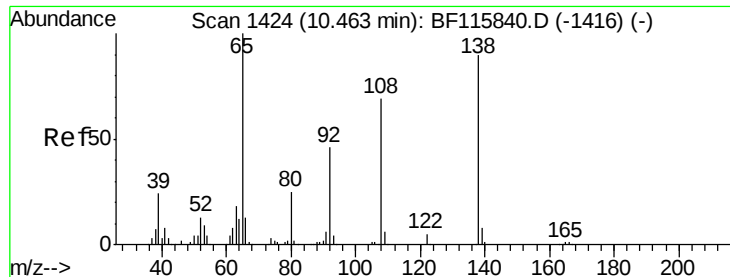
Abundance

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: 7.220 ng

RT: 10.44 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

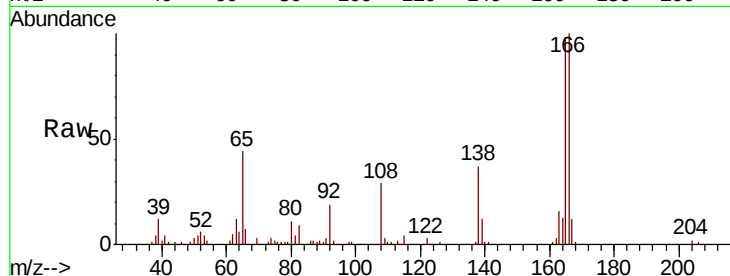
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.0	71.0
108	77.7	56.7	96.7

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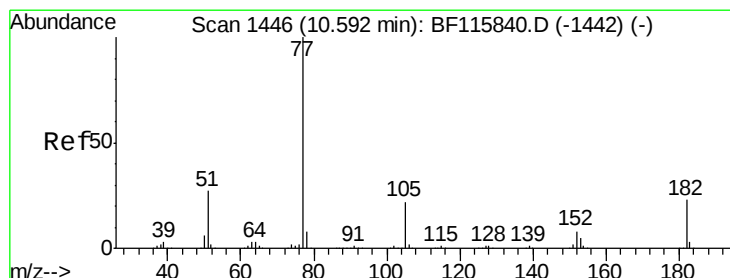
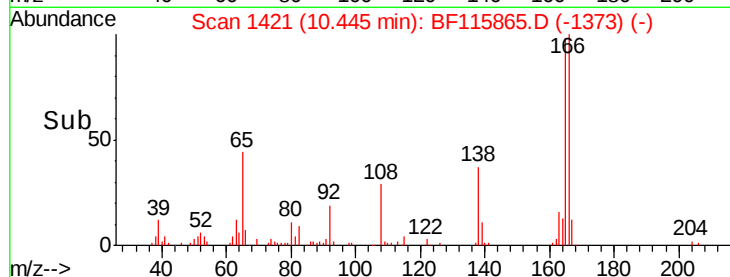
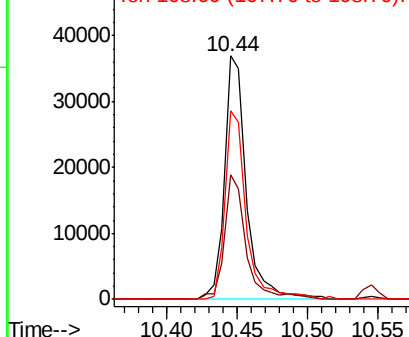


Abundance

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: 8.364 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.6	2.6	42.6
105	22.3	1.6	41.6
51	27.2	7.4	47.4

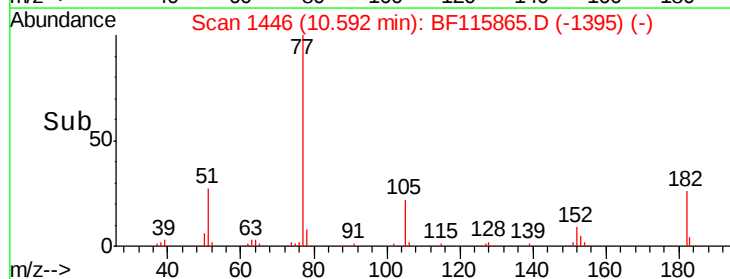
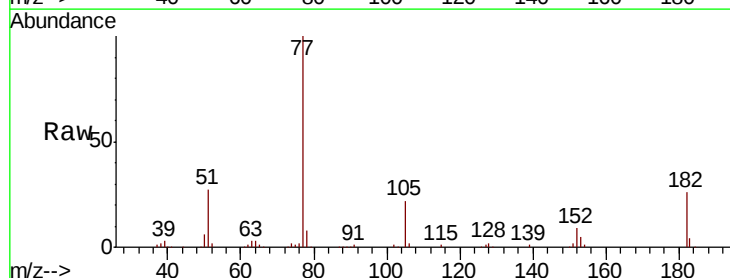
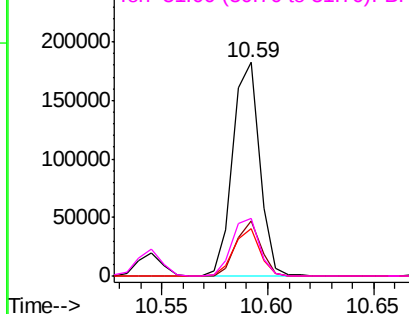
Abundance

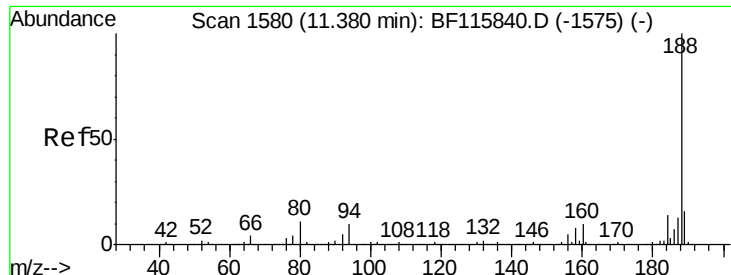
Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





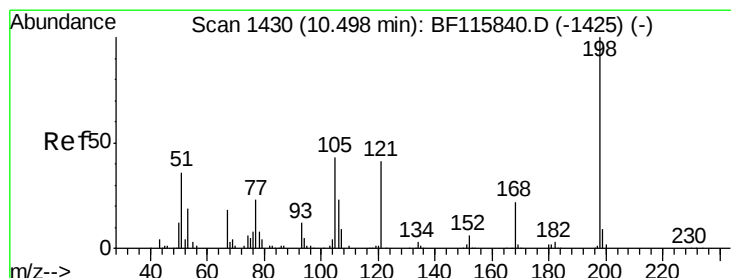
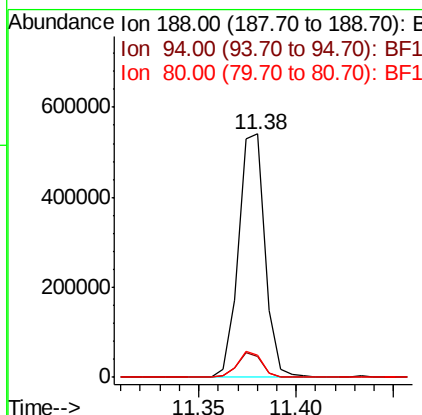
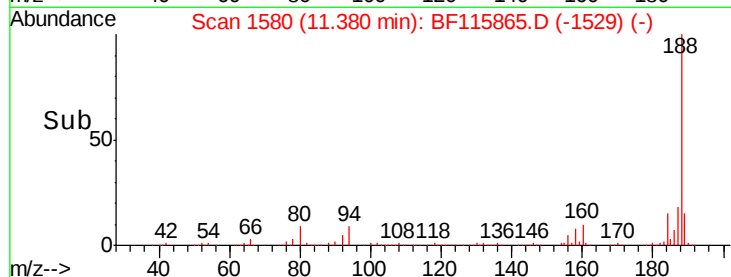
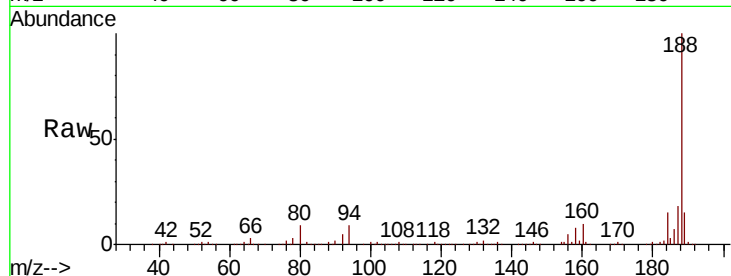
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	8.0	12.0
80	9.2	8.6	12.8

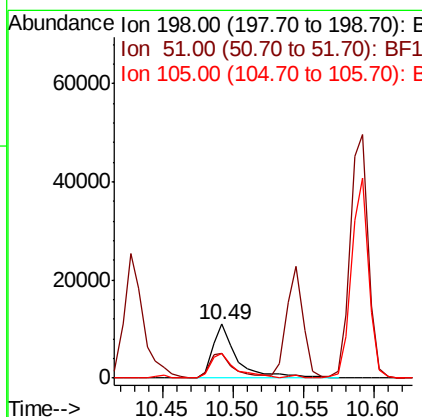
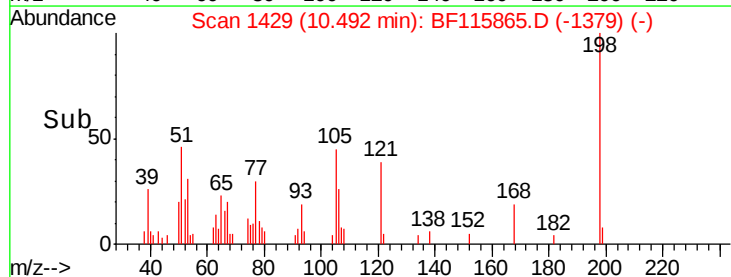
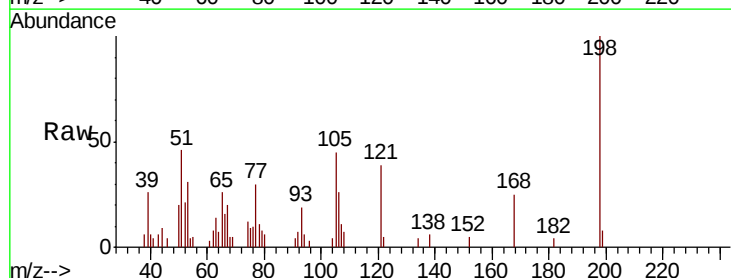
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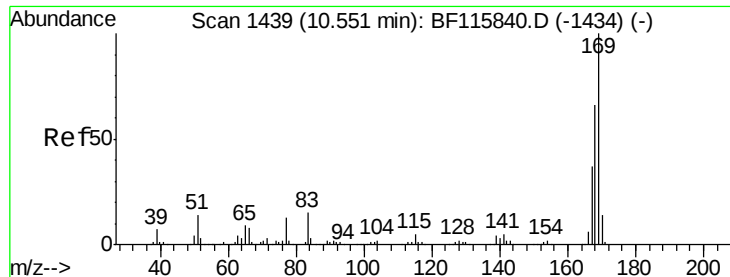
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#65
4,6-Dinitro-2-methylphenol
Concen: 4.875 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	45.5	21.1	61.1
105	44.9	24.5	64.5





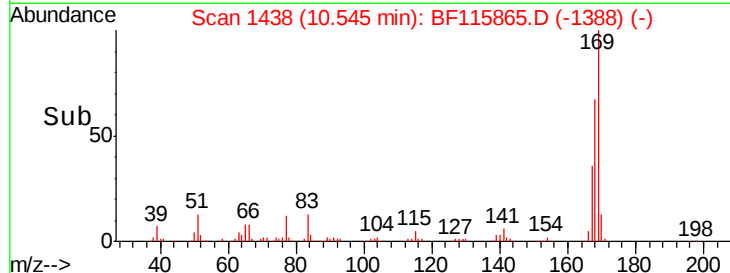
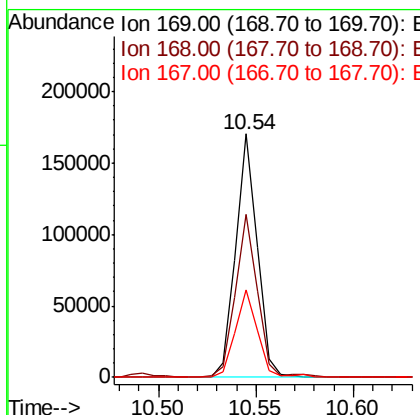
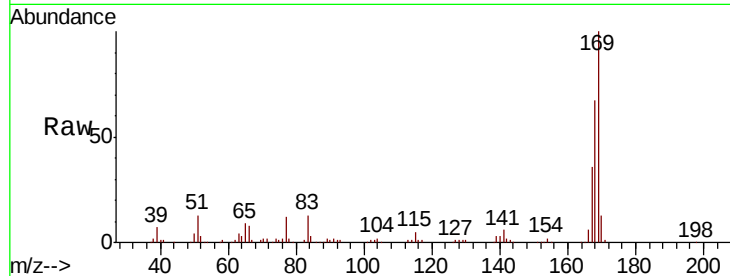
#66
 n-Nitrosodiphenylamine
 Concen: 8.559 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.0	29.9	44.9

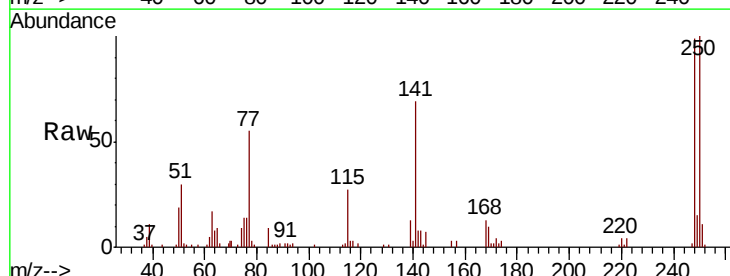
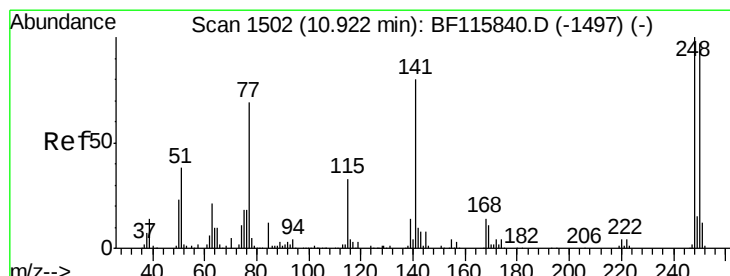
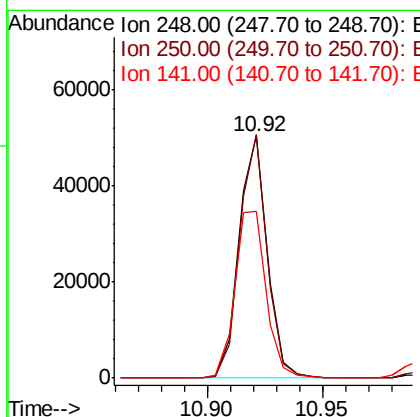
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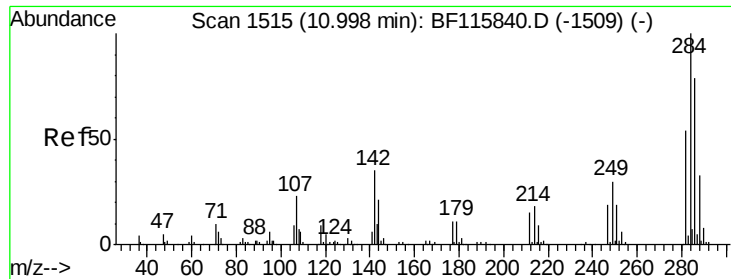
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#67
 4-Bromophenyl-phenylether
 Concen: 7.930 ng
 RT: 10.92 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.5	77.8	116.6
141	69.1	64.3	96.5





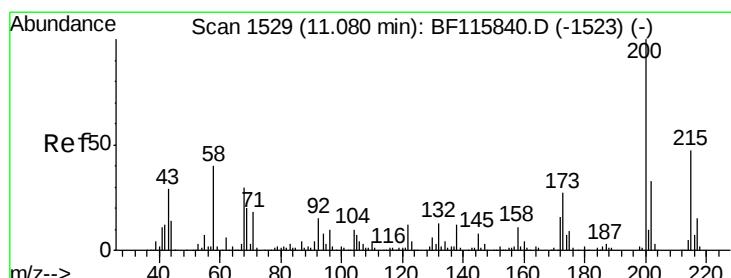
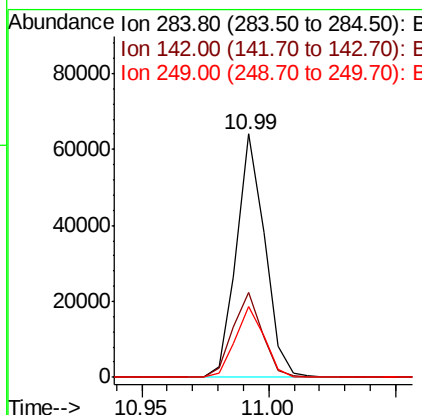
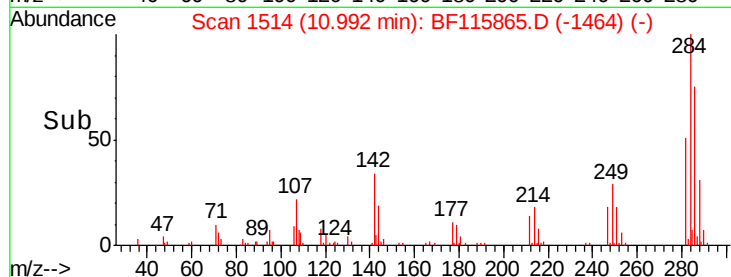
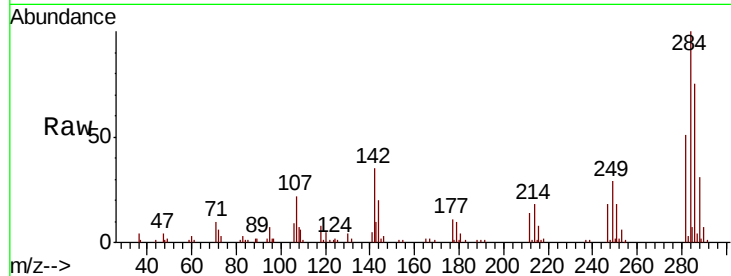
#68
Hexachlorobenzene
Concen: 7.935 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
284	100	49856		
142	34.9		28.2	42.2
249	29.0		24.0	36.0

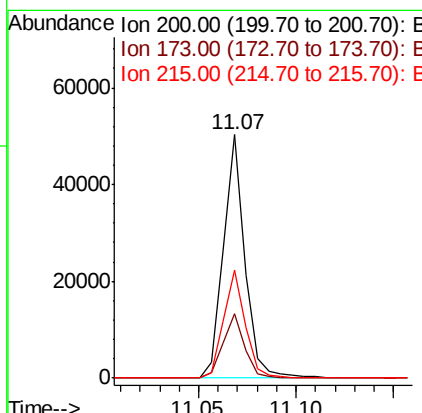
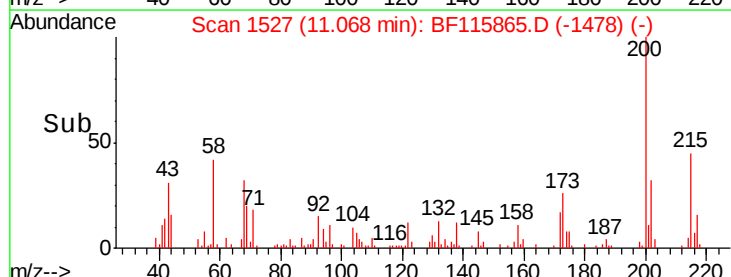
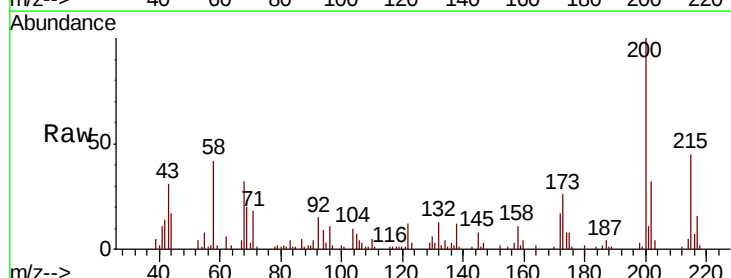
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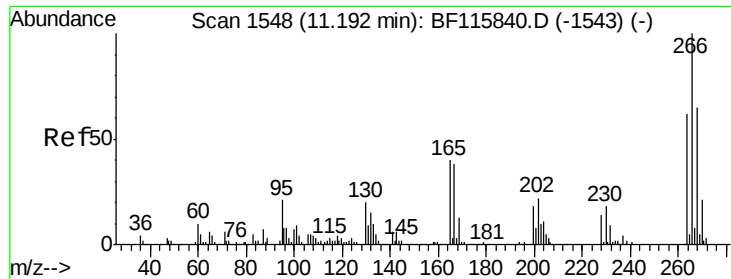
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#69
Atrazine
Concen: 7.640 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	38400		
173	26.4		7.3	47.3
215	44.6		26.9	66.9





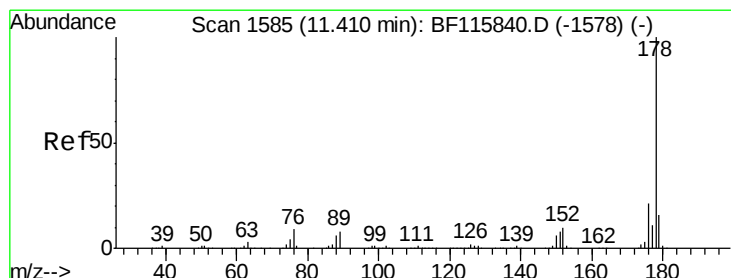
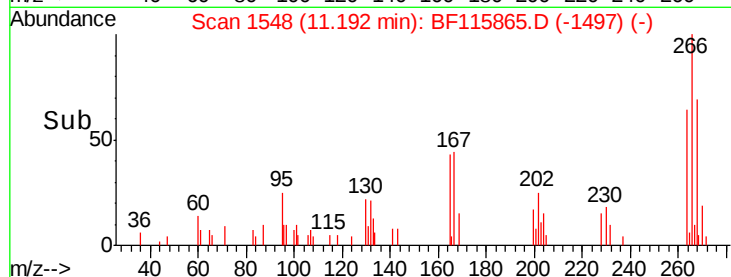
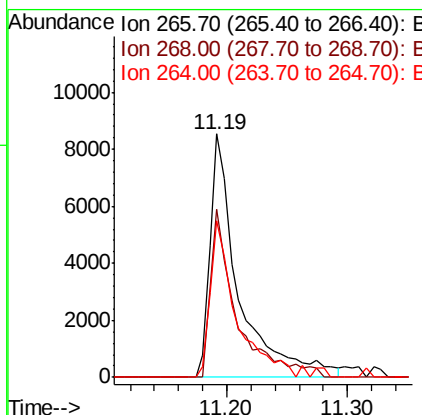
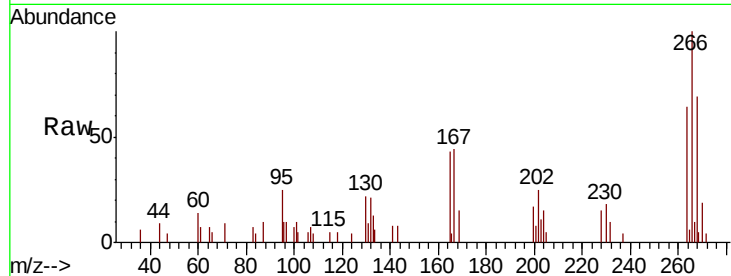
#70
 Pentachlorophenol
 Concen: 4.582 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
266	100		
268	73.5	51.6	77.4
264	64.1	49.4	74.0

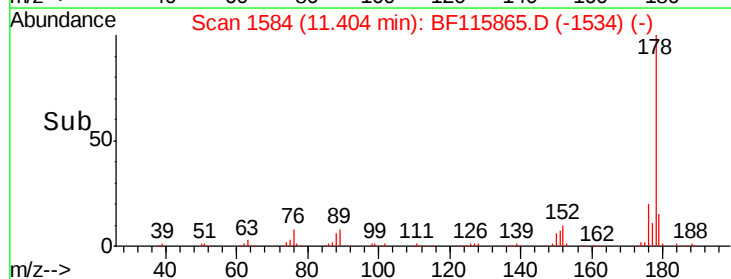
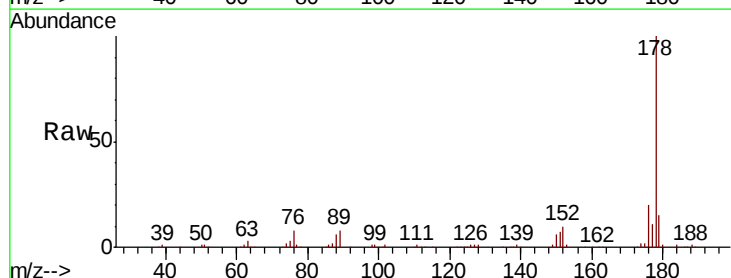
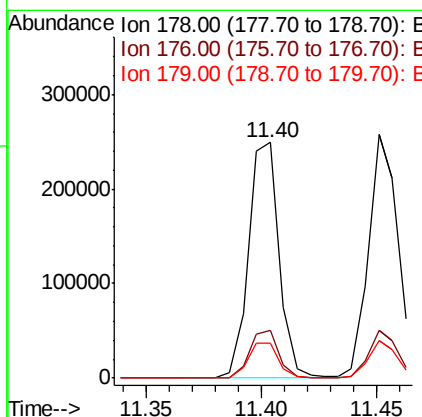
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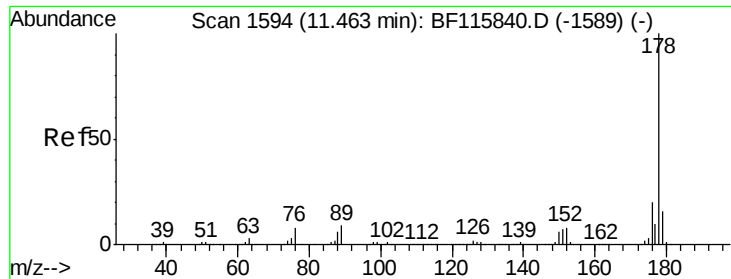
mohammad
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#71
 Phenanthrene
 Concen: 8.888 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.5	24.7
179	14.9	12.6	18.8





#72

Anthracene

Concen: 8.961 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

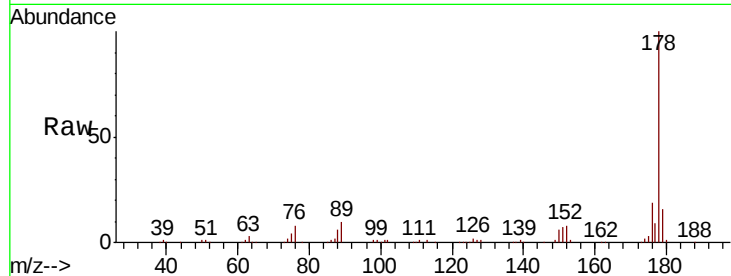
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

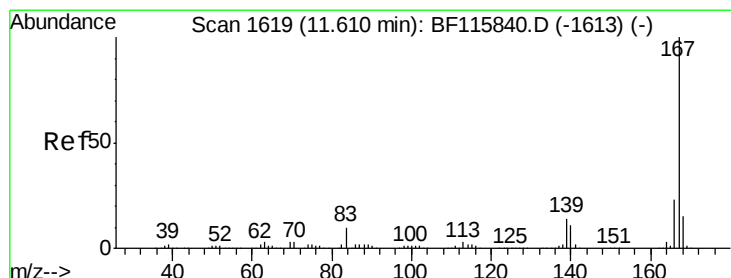
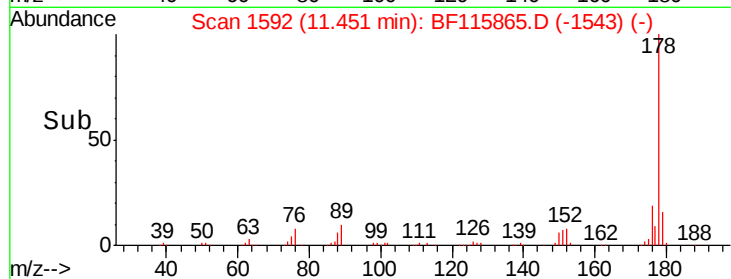
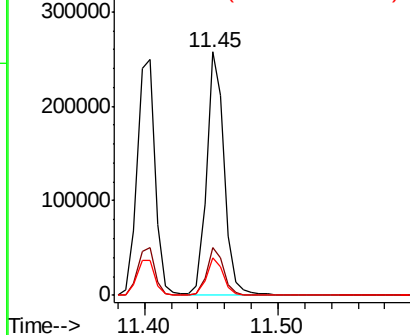
Tot Ion:	178	Resp:	235330
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.7	23.5
179	15.5	12.4	18.6

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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



#73

Carbazole

Concen: 8.593 ng

RT: 11.61 min Scan# 1619

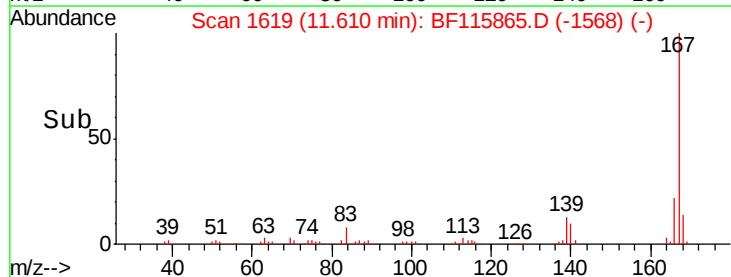
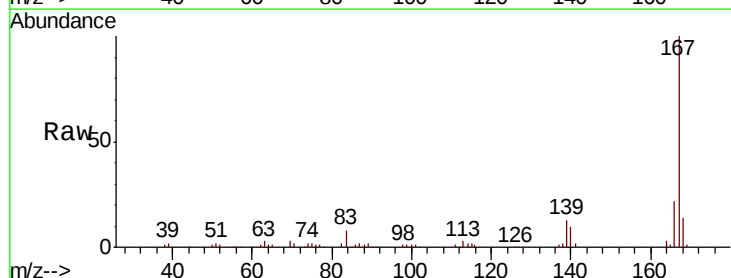
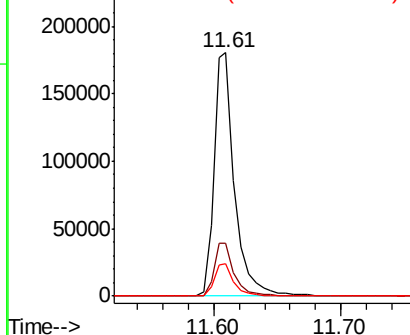
Delta R.T. -0.00 min

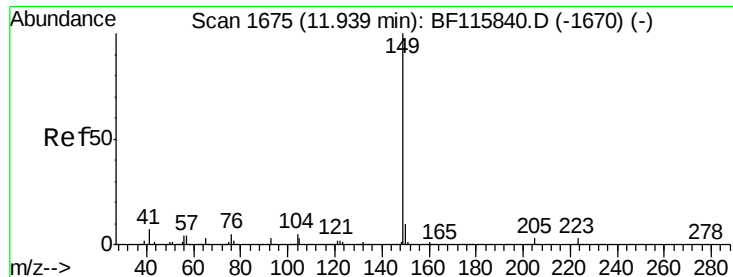
Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	167	Resp:	204730
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.0	27.0
139	13.1	11.4	17.2

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 7.476 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

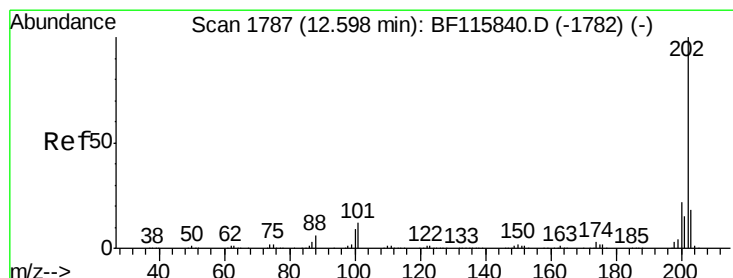
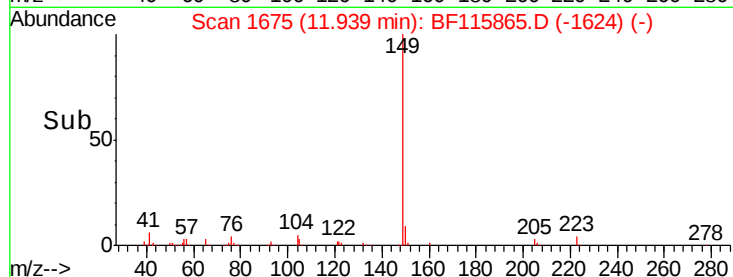
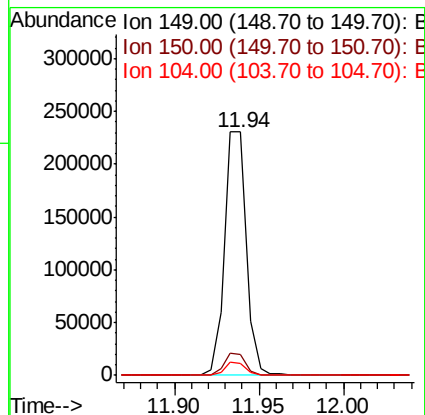
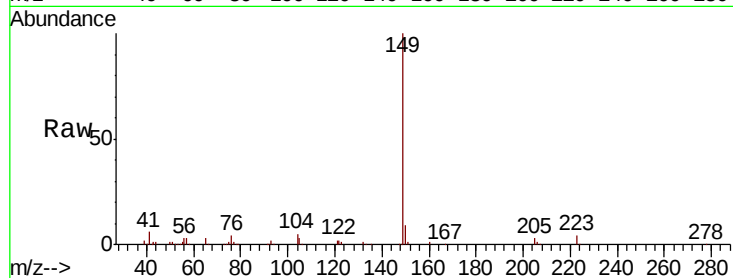
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	149	Resp:	207783
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.7	11.5
104	4.7	4.3	6.5

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#75

Fluoranthene

Concen: 8.507 ng

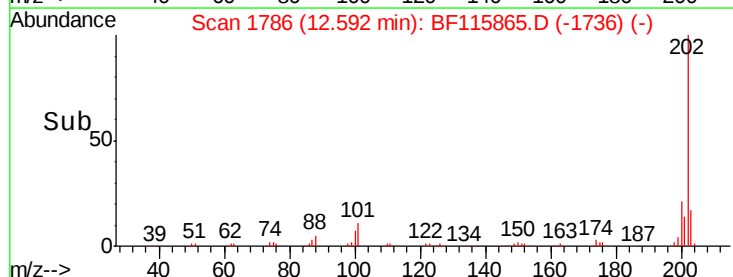
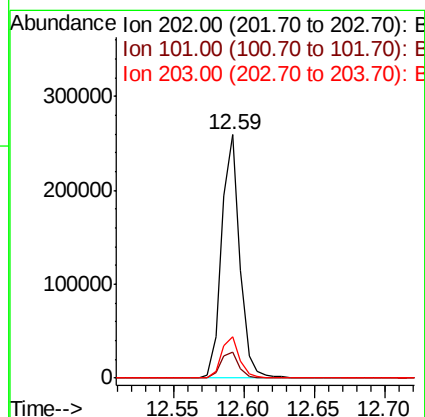
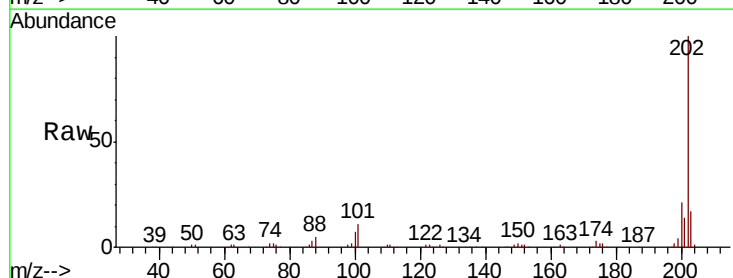
RT: 12.59 min Scan# 1786

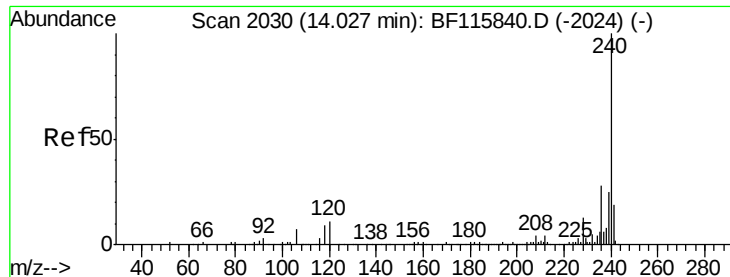
Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	202	Resp:	231090
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.5
203	17.2	0.0	37.9





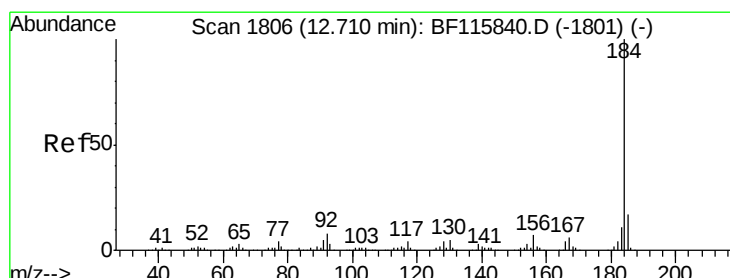
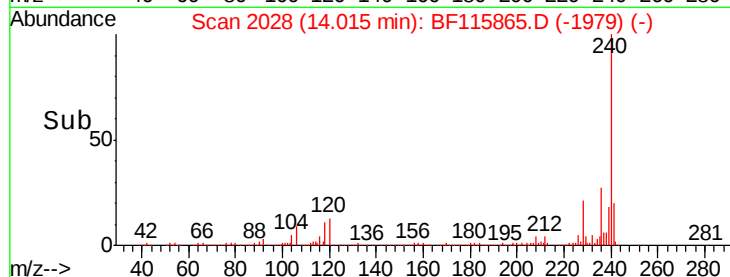
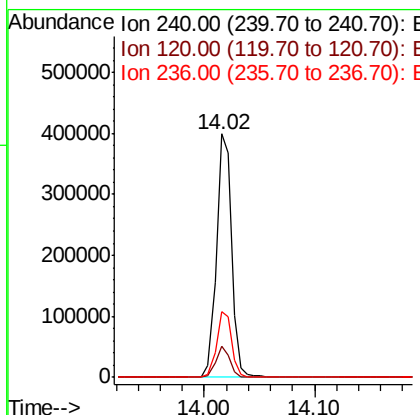
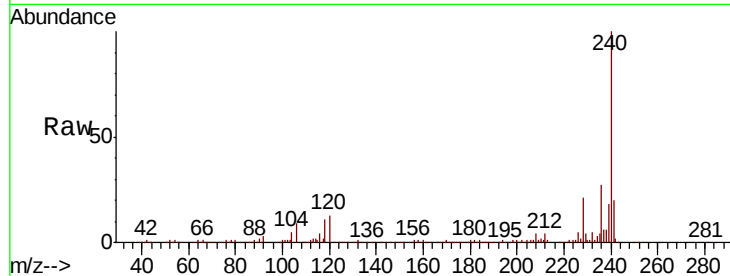
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.5	12.7
236	27.0	22.2	33.2

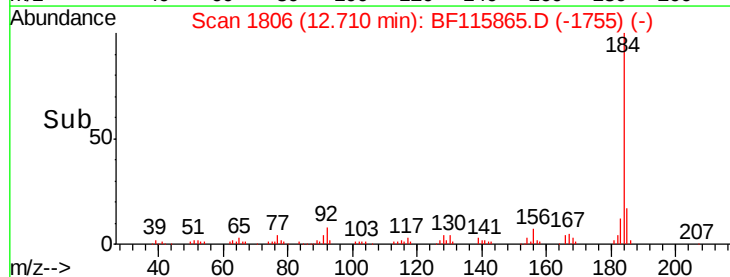
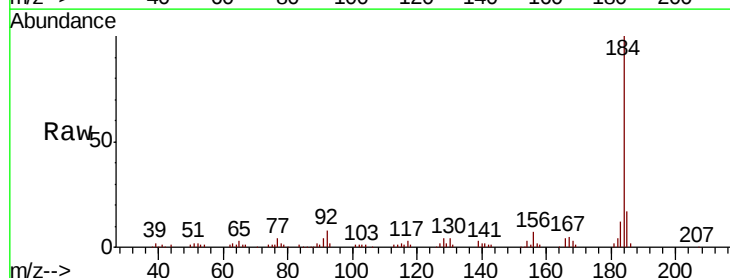
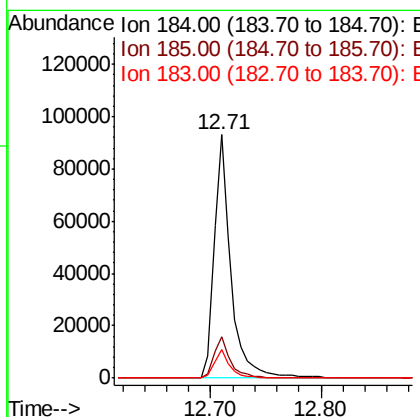
Manual Integrations
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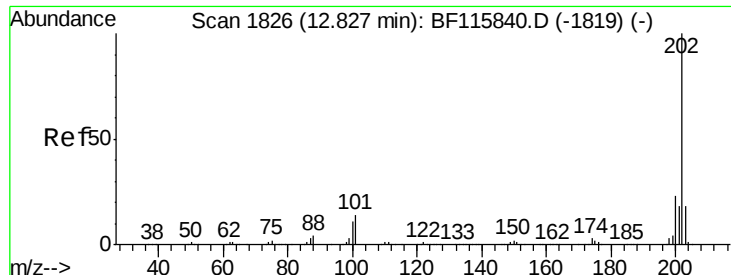
mohammad
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#77
Benzidine
Concen: 7.451 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.1	13.4	20.2
183	11.8	9.1	13.7





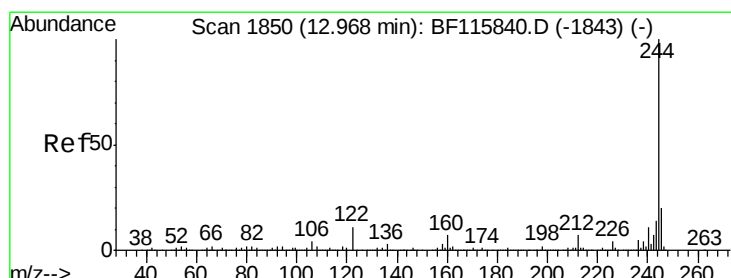
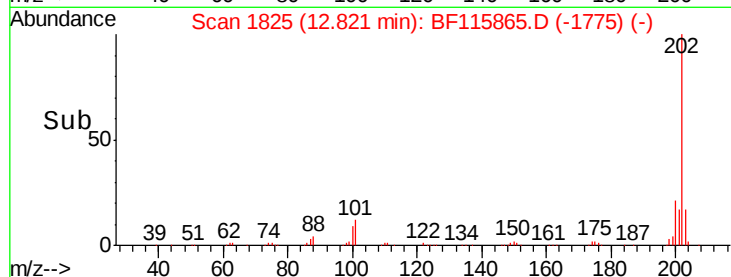
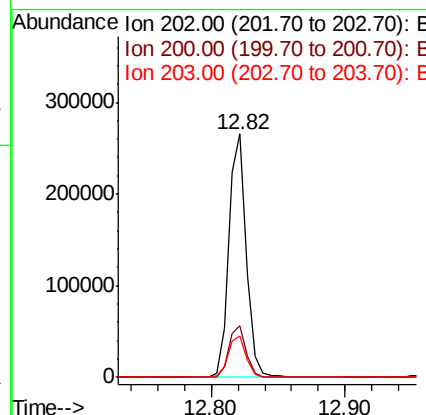
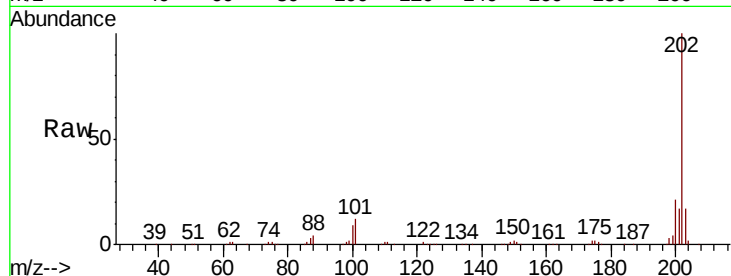
#78
Pvrene
Concen: 8.505 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.2	27.2
203	17.1	14.3	21.5

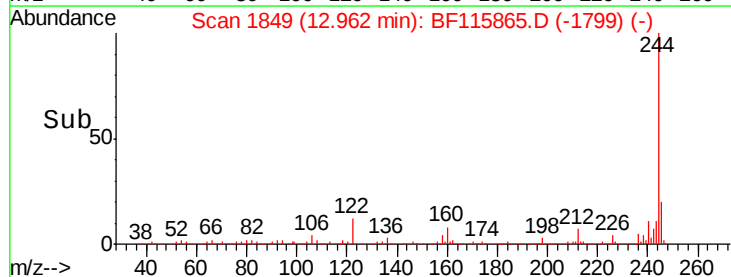
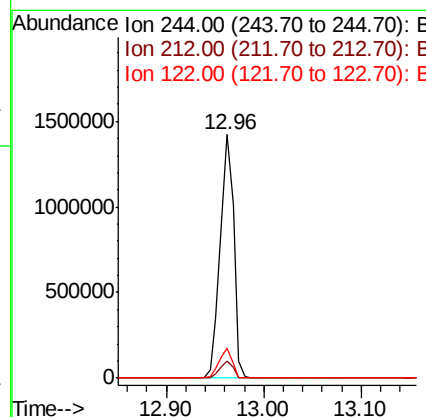
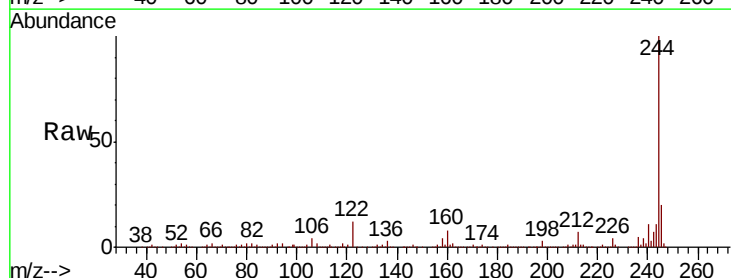
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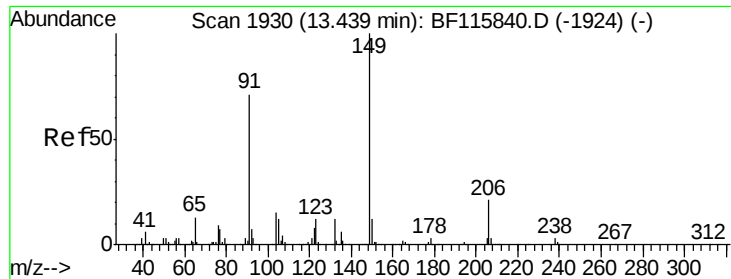
mohammad
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#79
Terphenyl-d14
Concen: 76.458 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.1	8.6	13.0





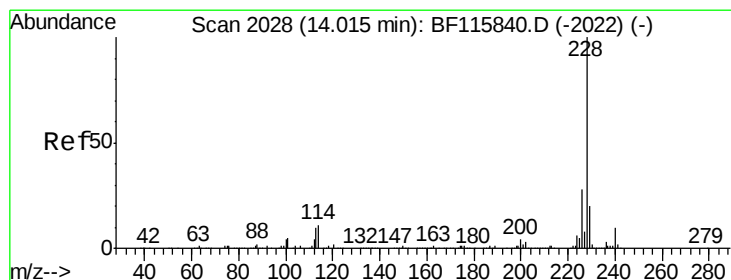
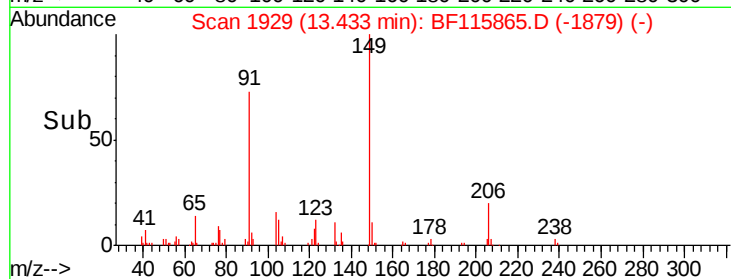
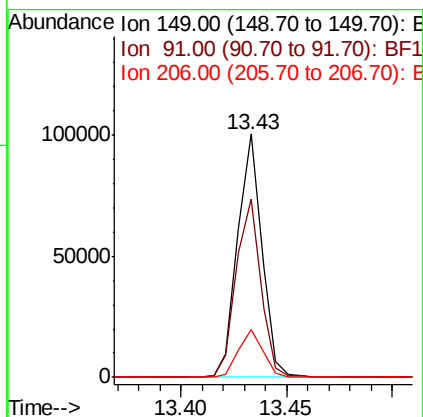
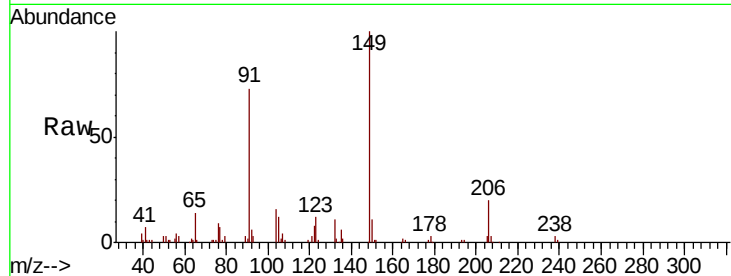
#80
Butylbenzylphthalate
Concen: 6.541 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.0	57.0	85.6
206	19.8	16.9	25.3

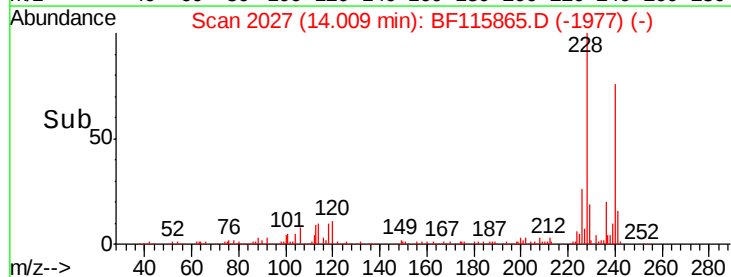
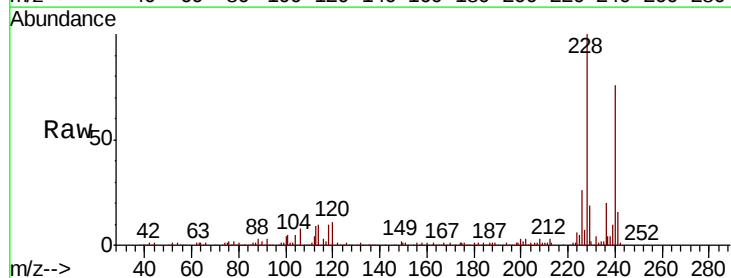
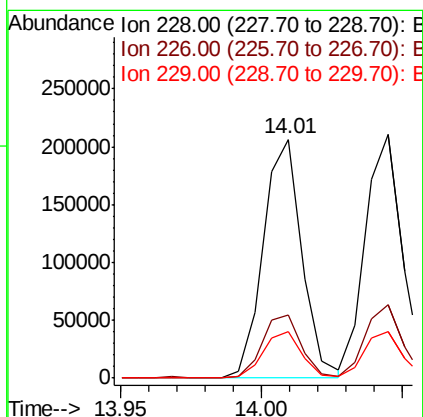
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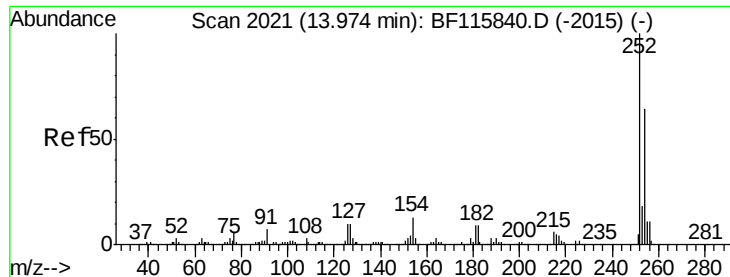
mohammad
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#81
Benzo(a)anthracene
Concen: 8.018 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.5	33.7
229	19.4	16.1	24.1





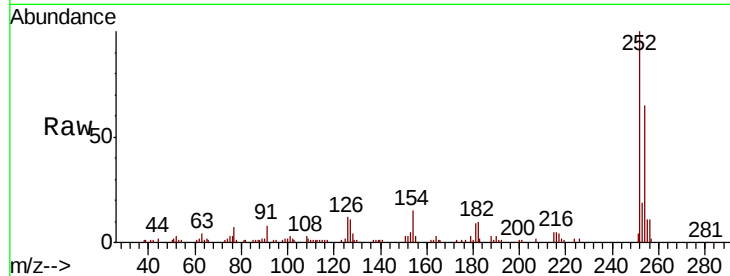
#82
 3,3'-Dichlorobenzidine
 Concen: 7.791 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

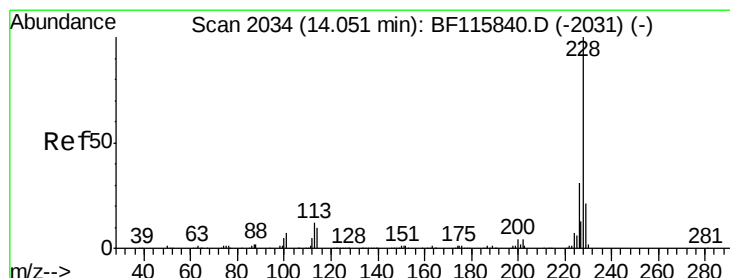
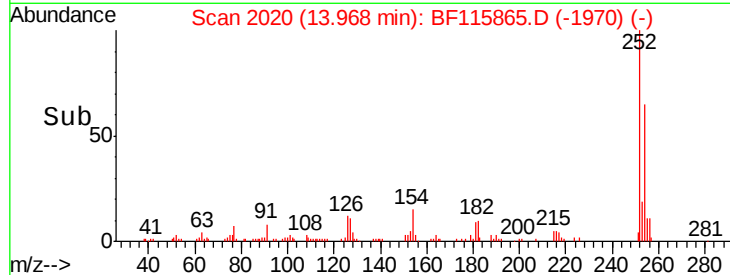
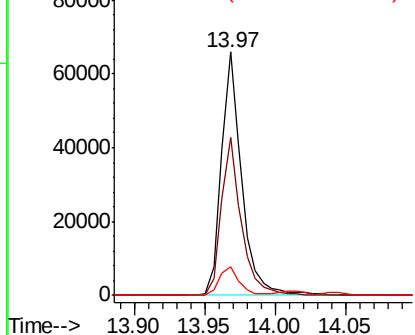
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	11.8	8.1	12.1

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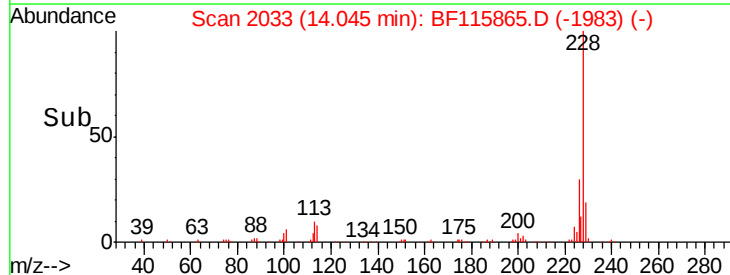
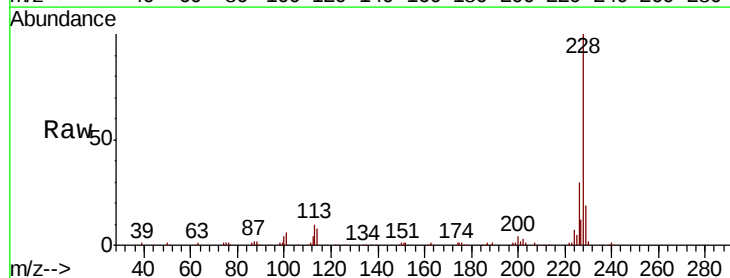
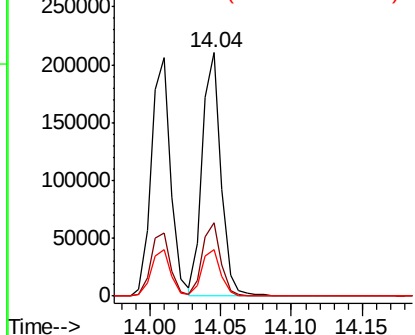
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

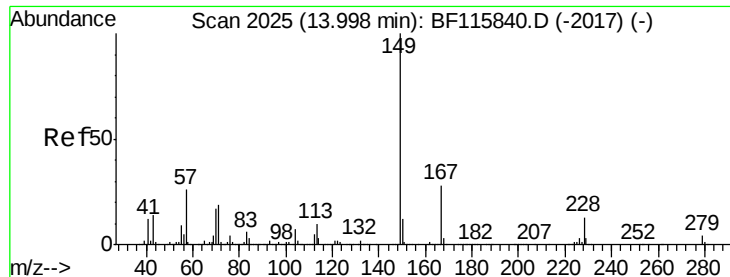


#83
 Chrysene
 Concen: 8.251 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	19.2	16.4	24.6

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.696 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

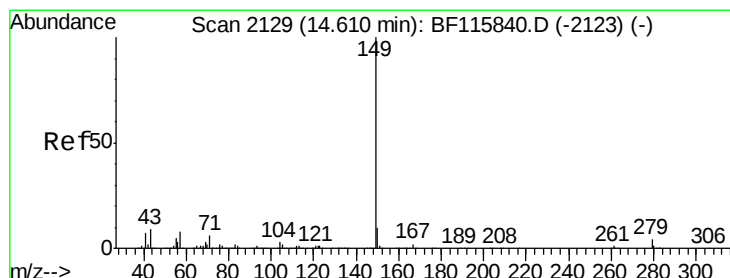
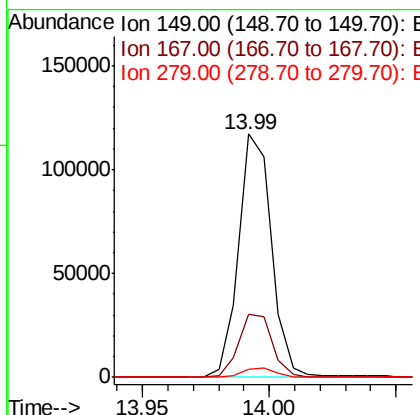
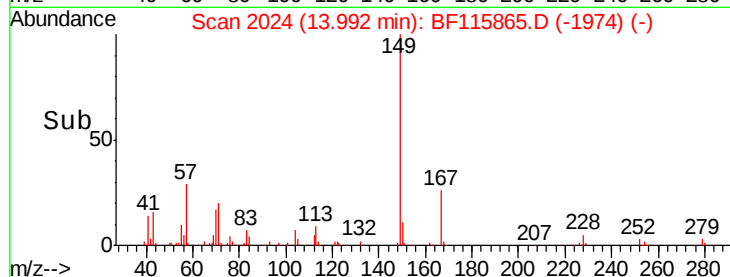
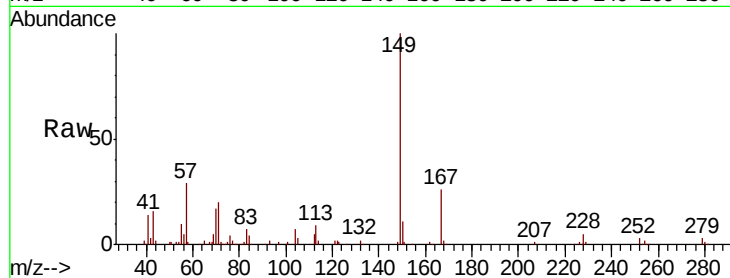
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	149	Resp:	105770
Ion Ratio		Lower	Upper
149	100		
167	26.1	22.4	33.6
279	3.4	3.3	4.9

Manual Integrations
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#85

Di-n-octyl phthalate

Concen: 6.274 ng

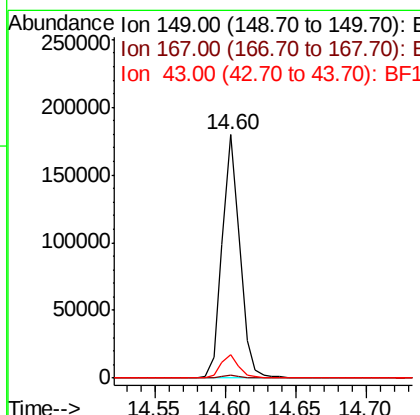
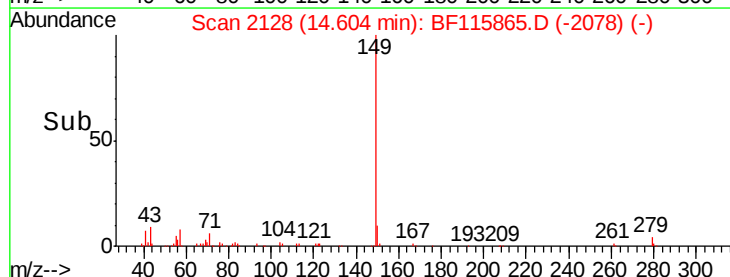
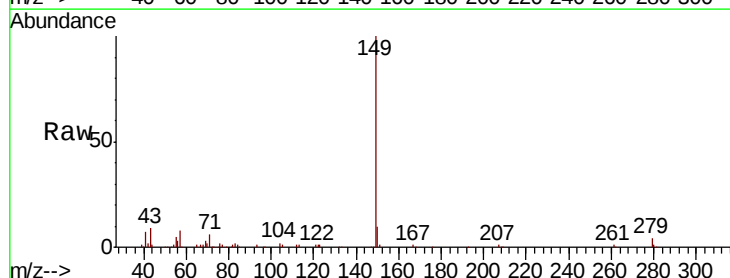
RT: 14.60 min Scan# 2128

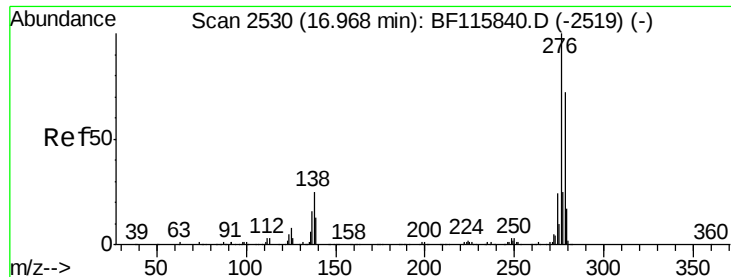
Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:	149	Resp:	157413
Ion Ratio		Lower	Upper
149	100		
167	1.3	1.2	1.8
43	9.9	7.4	11.0





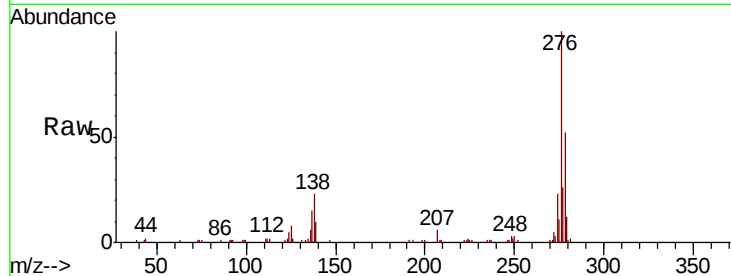
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.131 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.6	29.4
277	25.4	20.1	30.1

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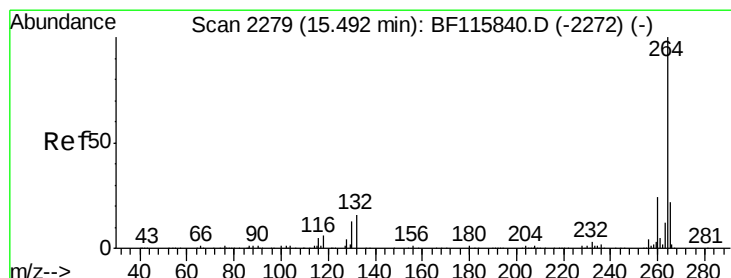
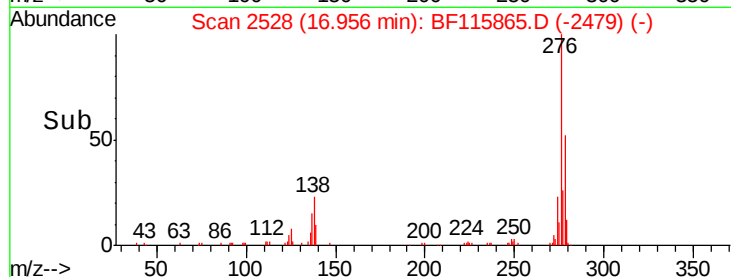
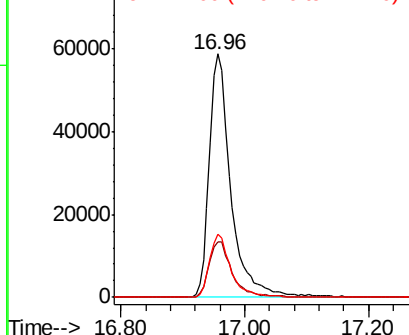


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

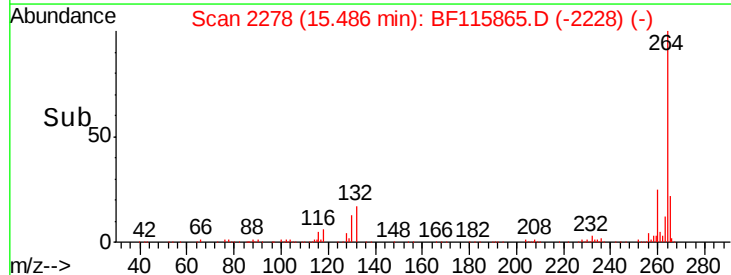
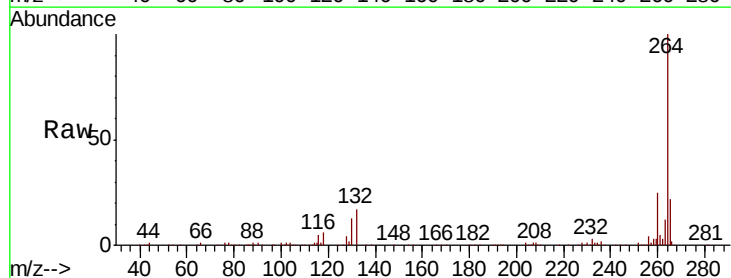
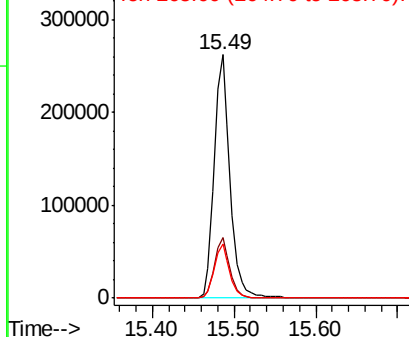
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.2	17.5	26.3

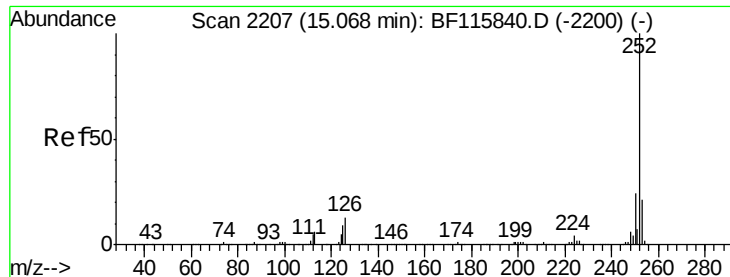
Abundance

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





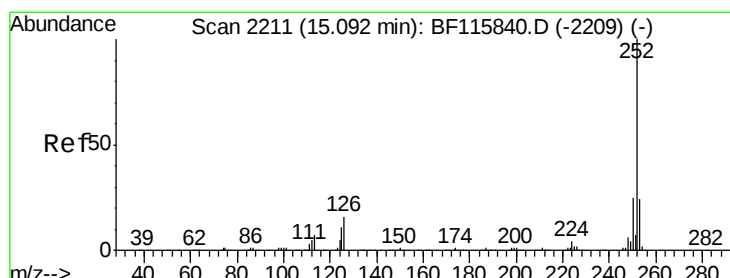
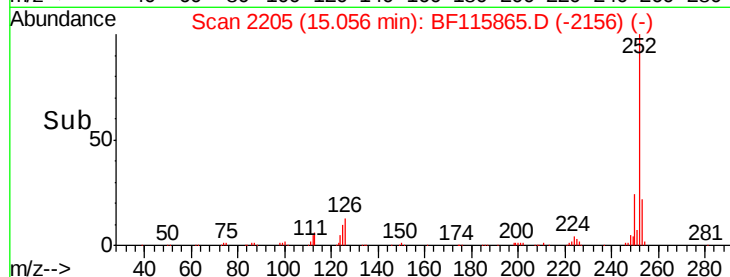
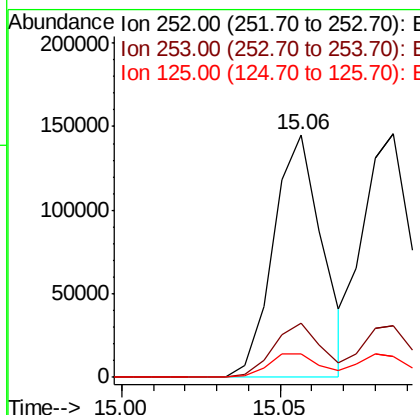
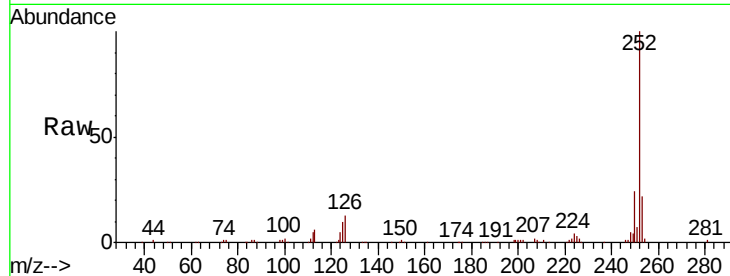
#88
Benzo(b)fluoranthene
Concen: 7.609 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	9.6	7.4	11.0

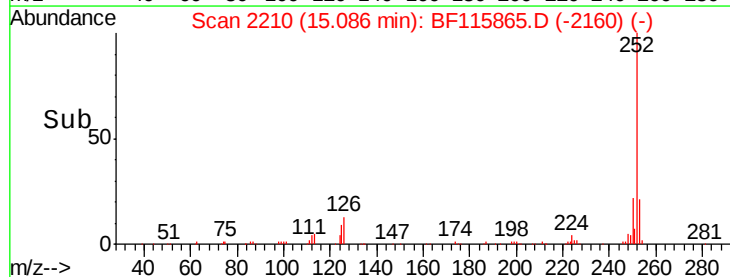
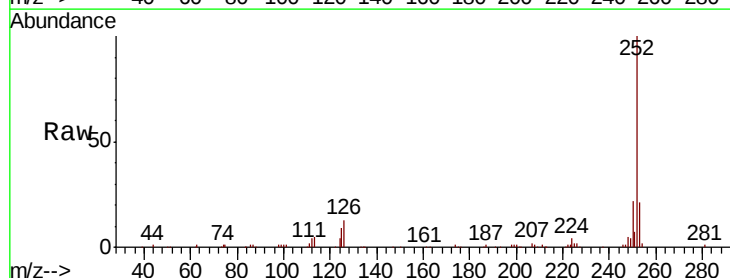
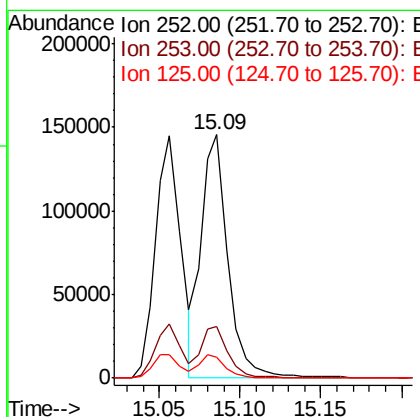
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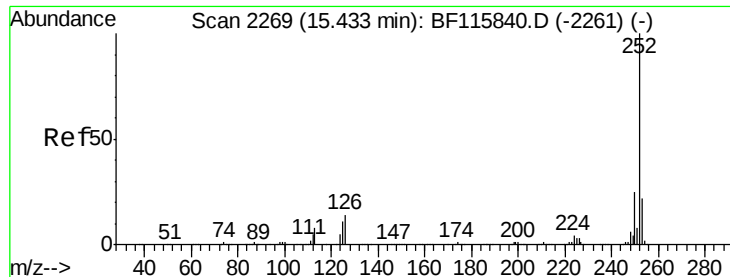
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.491 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.4
125	8.8	8.9	13.3#





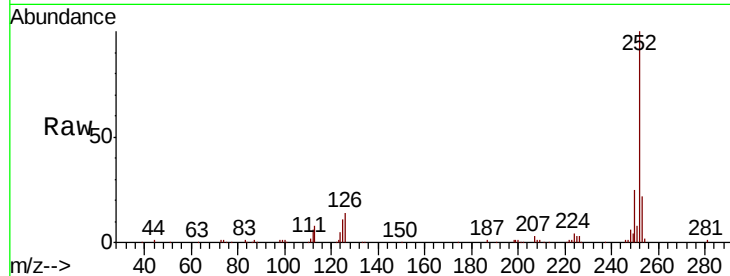
#90
Benzo(a)pyrene
Concen: 7.936 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.1	8.8	13.2

Manual Integrations
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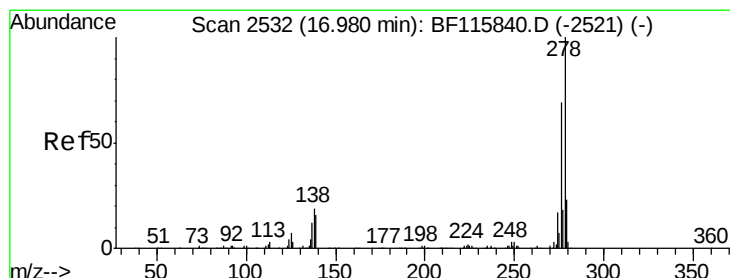
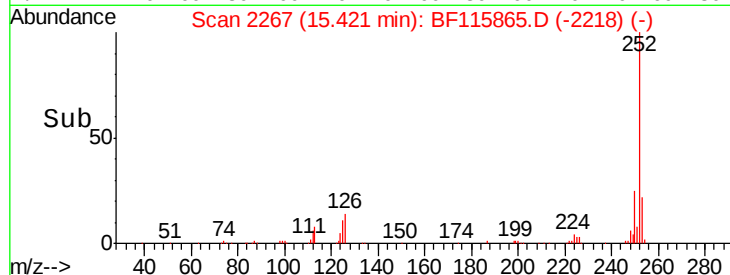
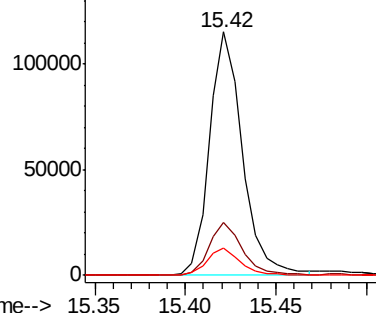


Abundance

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



#91
Dibenzo(a,h)anthracene
Concen: 7.437 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

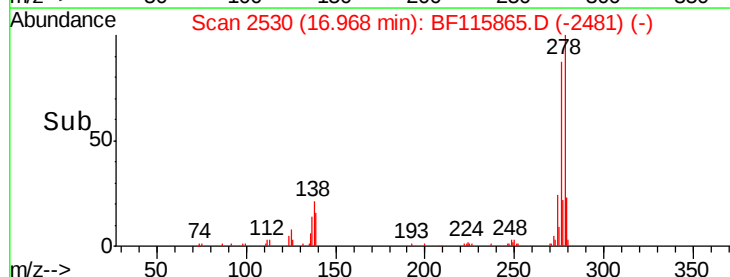
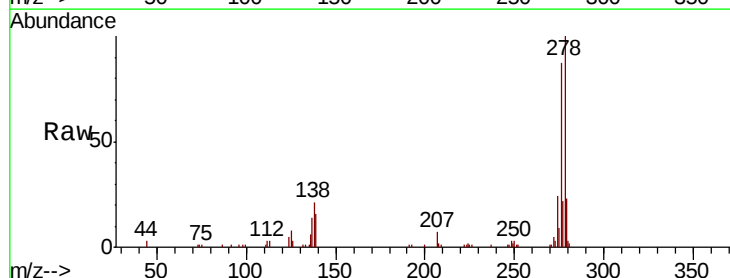
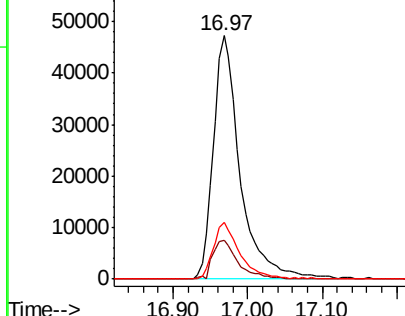
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	19.0
279	23.3	18.8	28.2

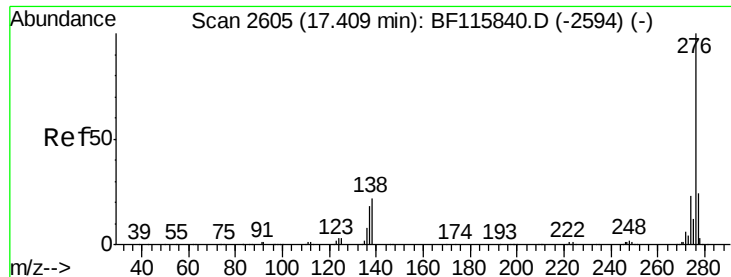
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 7.435 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	276	Resp:	115694
Ion Ratio		Lower	Upper
276	100		
277	23.6	19.5	29.3
138	21.4	17.8	26.8

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:31 PM

