

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114311.D
 Acq On : 16 May 2019 16:14
 Operator : JU/SJ
 Sample : K2837-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Manual Integrations
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mohammad
 5/17/2019 3:04:12 PM

Quant Time: May 17 08:31:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	244084	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	953915	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	466741	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	934290	20.00	ng	0.00
76) Chrysene-d12	14.03	240	591844	20.00	ng	0.01
87) Perylene-d12	15.53	264	639720	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1509773	99.54	ng	0.02
7) Phenol-d6	6.50	99	1863716	103.89	ng	0.01
23) Nitrobenzene-d5	7.42	82	1364589	80.28	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	515564	106.85	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2281112	73.93	ng	0.00
79) Terphenyl-d14	12.96	244	2264840	78.89	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	261285	31.341	ng	# 82
3) Pyridine	3.52	79	623787	27.157	ng	97
4) n-Nitrosodimethylamine	3.43	42	363827	32.846	ng	95
6) Aniline	6.52	93	203281	7.845	ng	# 1
8) 2-Chlorophenol	6.65	128	646423	39.922	ng	99
9) Benzaldehyde	6.40	77	211085	16.808	ng	99
10) Phenol	6.52	94	688103	32.607	ng	92
11) bis(2-Chloroethyl)ether	6.59	93	662918	41.378	ng	100
12) 1,3-Dichlorobenzene	6.79	146	547660	30.131	ng	98
13) 1,4-Dichlorobenzene	6.87	146	560866	30.623	ng	97
14) 1,2-Dichlorobenzene	7.02	146	523901	31.309	ng	99
15) Benzyl Alcohol	7.00	79	546928	39.091	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1153359	37.129	ng	77
17) 2-Methylphenol	7.12	107	502663	37.791	ng	# 89
18) Hexachloroethane	7.36	117	201191	29.265	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	462395	40.666	ng	98
20) 3+4-Methylphenols	7.27	107	662771	43.127	ng	# 57
22) Acetophenone	7.26	105	902561	42.710	ng	# 89
24) Nitrobenzene	7.43	77	708698	40.936	ng	97
25) Isophorone	7.67	82	1288309	40.868	ng	100
26) 2-Nitrophenol	7.75	139	363256	43.248	ng	99
27) 2,4-Dimethylphenol	7.79	122	575325	43.612	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	829980	40.578	ng	99
29) 2,4-Dichlorophenol	8.00	162	552827	42.085	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	526093	35.220	ng	99
31) Naphthalene	8.15	128	1738341	39.012	ng	99
32) Benzoic acid	7.93	122	280814	32.508	ng	98
33) 4-Chloroaniline	8.21	127	122448	6.030	ng	98
34) Hexachlorobutadiene	8.27	225	274255	32.269	ng	99
35) Caprolactam	8.58	113	157676m	36.812	ng	
36) 4-Chloro-3-methylphenol	8.70	107	578471	43.749	ng	97
37) 2-Methylnaphthalene	8.85	142	1221675	42.494	ng	98
38) 1-Methylnaphthalene	8.95	142	1153626	42.611	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	551888	39.034	ng	99

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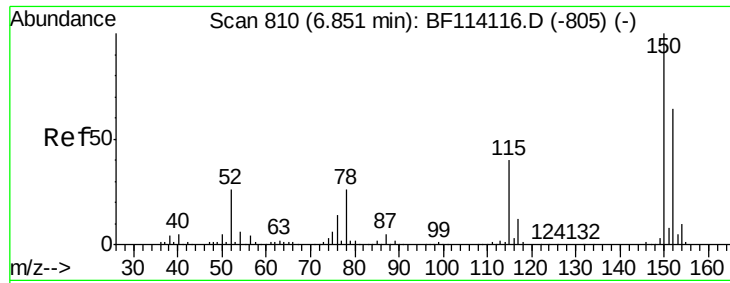
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Quant Time: May 17 08:31:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	297080	46.988	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	372169	38.270	ng	97
44) 2,4,5-Trichlorophenol	9.18	196	400181	40.125	ng	98
46) 1,1'-Biphenyl	9.31	154	1498913	39.752	ng	99
47) 2-Chloronaphthalene	9.33	162	1145854	37.760	ng	99
48) 2-Nitroaniline	9.43	65	417500	38.794	ng	97
49) Acenaphthylene	9.75	152	1819136	39.415	ng	99
50) Dimethylphthalate	9.60	163	1369949	39.983	ng	99
51) 2,6-Dinitrotoluene	9.67	165	315346	41.495	ng	96
52) Acenaphthene	9.92	154	1082014	38.204	ng	99
53) 3-Nitroaniline	9.85	138	136009	14.417	ng	99
54) 2,4-Dinitrophenol	9.96	184	228801	61.572	ng	95
55) Dibenzofuran	10.09	168	1589022	38.262	ng	99
56) 4-Nitrophenol	10.03	139	364278	54.603	ng	99
57) 2,4-Dinitrotoluene	10.09	165	399596	38.740	ng	94
58) Fluorene	10.44	166	1263687	39.394	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	332129	38.595	ng	100
60) Diethylphthalate	10.30	149	1356774	38.973	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	608092	38.596	ng	97
62) 4-Nitroaniline	10.46	138	333757	33.669	ng	97
63) Azobenzene	10.59	77	1330440	39.482	ng	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	166123	37.004	ng	88
66) n-Nitrosodiphenylamine	10.54	169	1140435	40.219	ng	98
67) 4-Bromophenyl-phenylether	10.92	248	393516	38.254	ng	96
68) Hexachlorobenzene	10.99	284	421381	37.028	ng	96
69) Atrazine	11.07	200	351234	39.803	ng	98
70) Pentachlorophenol	11.19	266	359447	66.630	ng	98
71) Phenanthrene	11.40	178	1810641	39.834	ng	99
72) Anthracene	11.45	178	1892733	41.457	ng	99
73) Carbazole	11.61	167	1781492	40.920	ng	99
74) Di-n-butylphthalate	11.93	149	2110370	42.075	ng	99
75) Fluoranthene	12.59	202	1943142	39.698	ng	99
77) Benzidine	12.70	184	189634	7.138	ng	95
78) Pyrene	12.82	202	1950256	40.962	ng	100
80) Butylbenzylphthalate	13.43	149	895342	44.678	ng	99
81) Benzo(a)anthracene	14.02	228	1533777	40.067	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	265332	17.868	ng	99
83) Chrysene	14.06	228	1517272	40.433	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	1181268	45.070	ng	100
85) Di-n-octyl phthalate	14.63	149	1859018	43.755	ng	99
86) Indeno(1,2,3-cd)pyrene	17.04	276	1722024	51.924	ng	99
88) Benzo(b)fluoranthene	15.10	252	1538795	37.546	ng	100
89) Benzo(k)fluoranthene	15.13	252	1449303	38.496	ng	100
90) Benzo(a)pyrene	15.47	252	1467296	40.680	ng	99
91) Dibenzo(a,h)anthracene	17.04	278	1407880	46.973	ng	99
92) Benzo(g,h,i)perylene	17.48	276	1514913	50.436	ng	99

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



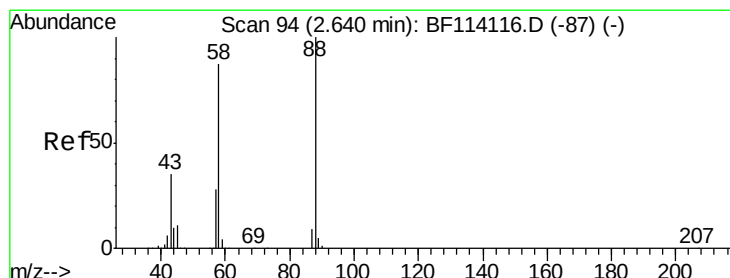
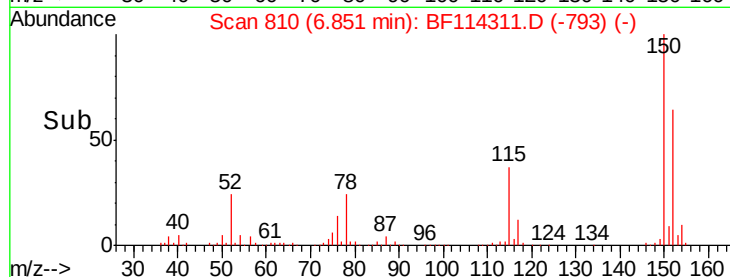
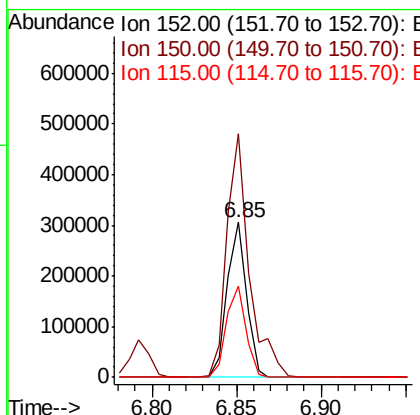
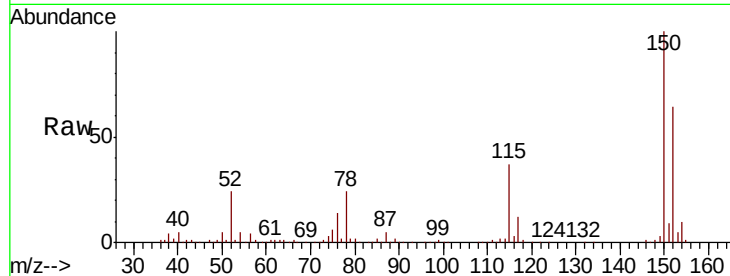
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.3	186.5
115	58.7	49.1	73.7

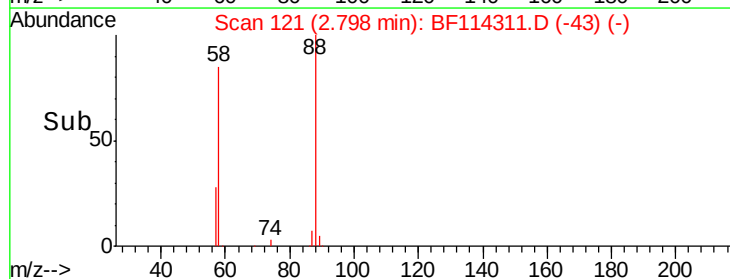
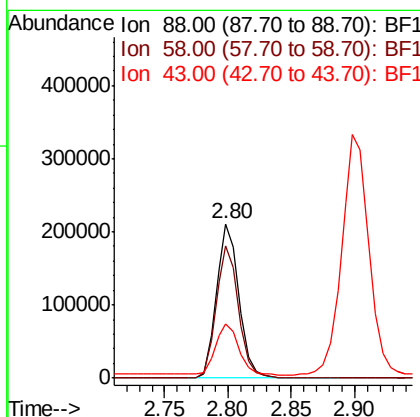
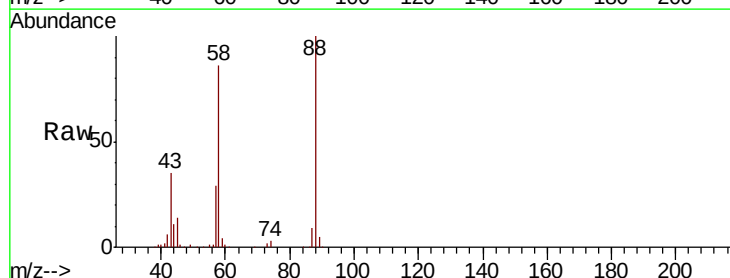
Manual Integrations
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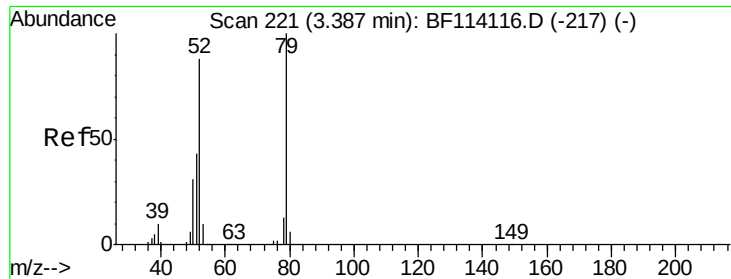
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#2
 1,4-Dioxane
 Concen: 31.341 ng
 RT: 2.80 min Scan# 121
 Delta R.T. 0.16 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.0	68.7	103.1
43	0.0	28.2	42.2#





#3

Pvridine

Concen: 27.157 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.13 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

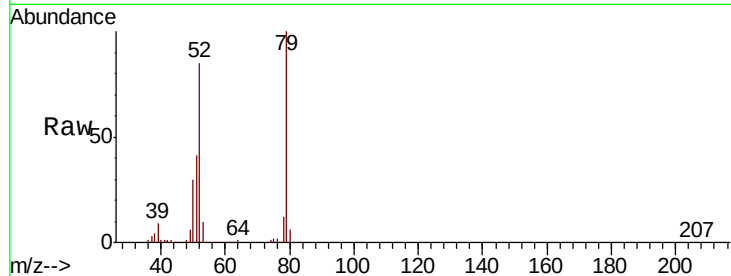
ClientSampleId :

SOIL-COMPMSD

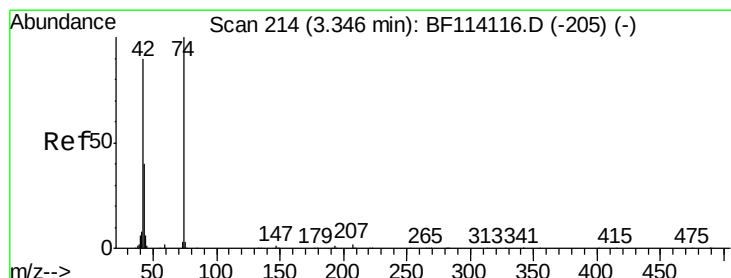
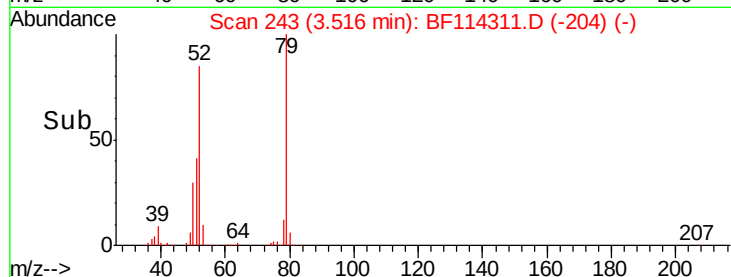
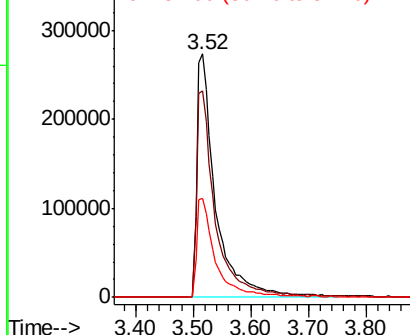
Tot Ion:	79	Resp:	623787
Ion Ratio	Lower	Upper	
79	100		
52	84.9	70.6	105.8
51	40.6	34.2	51.2

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 32.846 ng

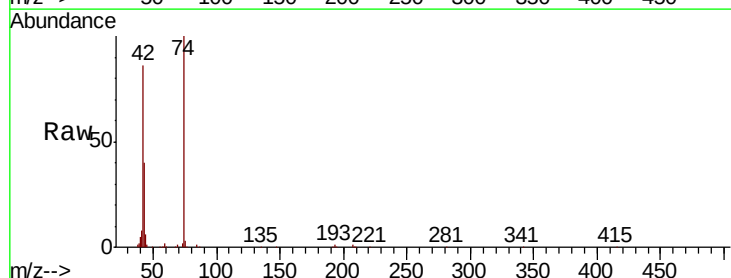
RT: 3.43 min Scan# 229

Delta R.T. 0.09 min

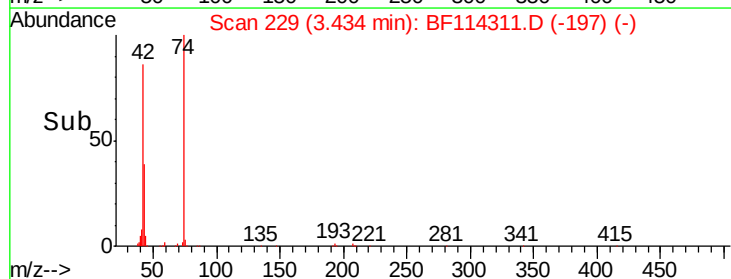
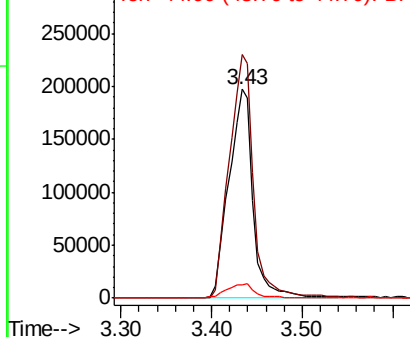
Lab File: BF114311.D

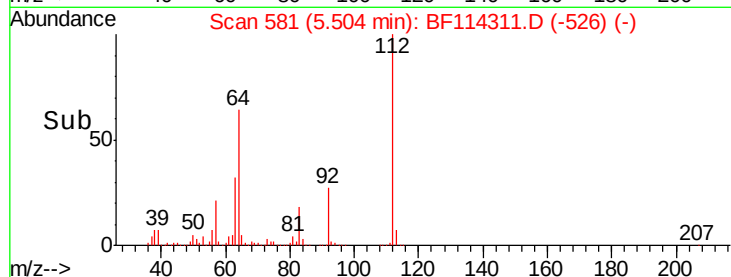
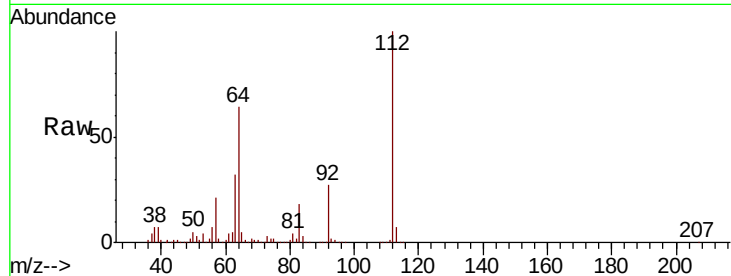
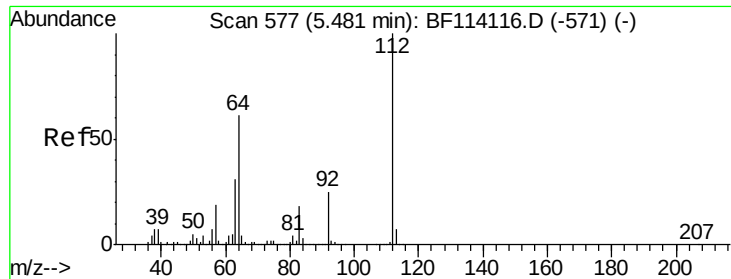
Acq: 16 May 2019 16:14

Tgt Ion:	42	Resp:	363827
Ion Ratio	Lower	Upper	
42	100		
74	116.6	88.6	132.8
44	6.6	5.5	8.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 99.540 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.02 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tot Ion: 112 Resp: 1509773

Ion Ratio Lower Upper

112 100

64 63.6 49.0 73.6

63 32.1 24.6 37.0

Instrument :

BNA_F

ClientSampleId :

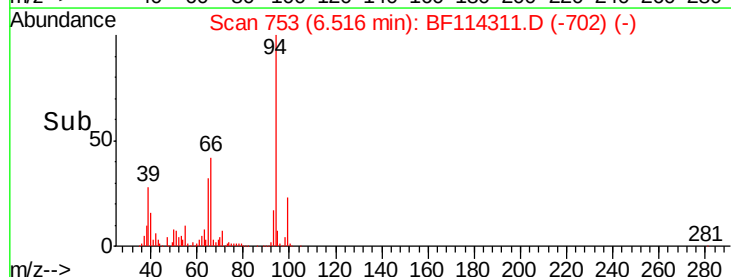
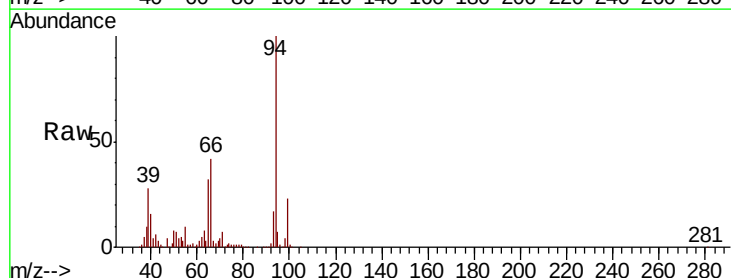
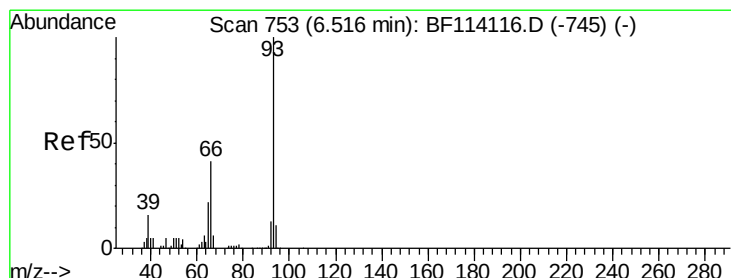
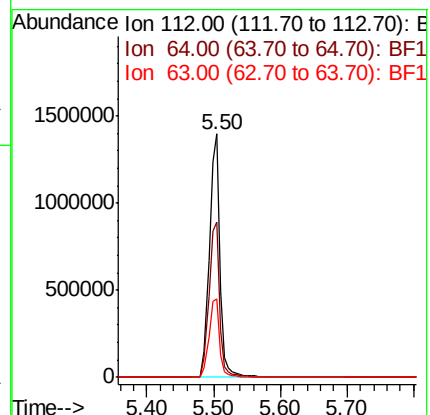
SOIL-COMPMSD

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#6

Aniline

Concen: 7.845 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

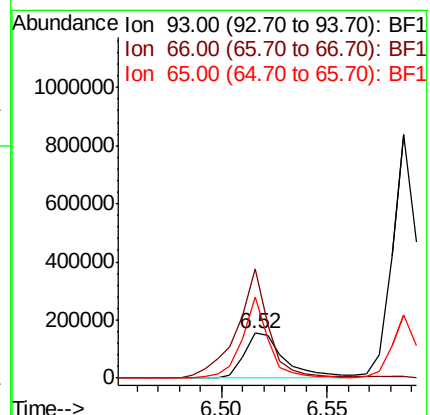
Tgt Ion: 93 Resp: 203281

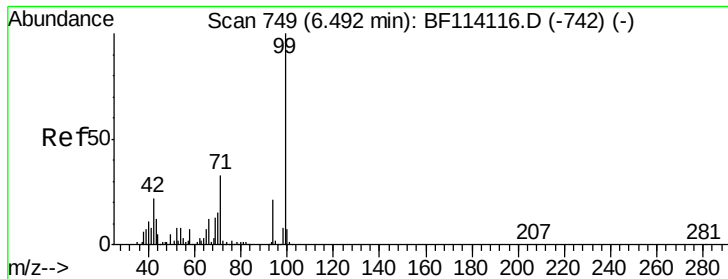
Ion Ratio Lower Upper

93 100

66 242.6 33.2 49.8#

65 180.4 17.6 26.4#





#7

Phenol-d6

Concen: 103.892 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 99 Resp: 1863716

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

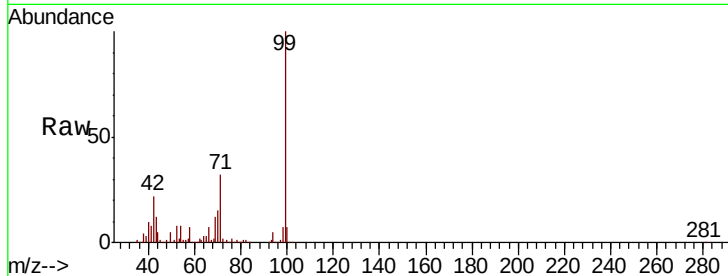
71 32.4 26.2 39.2

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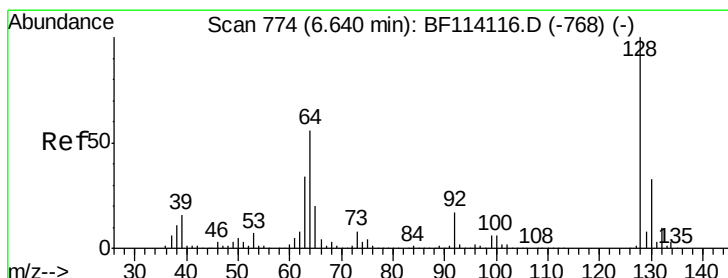
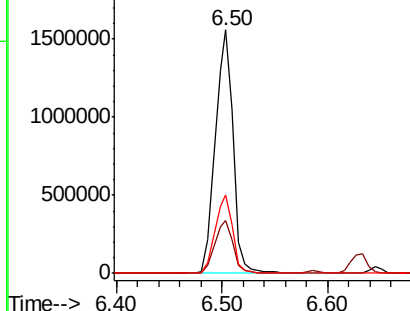
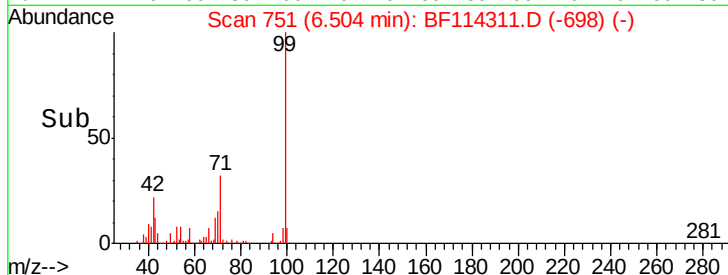
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.922 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

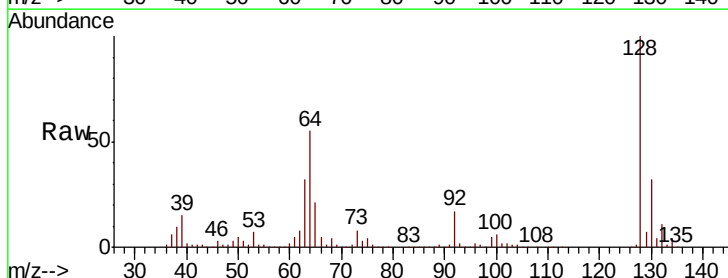
Tgt Ion: 128 Resp: 646423

Ion Ratio Lower Upper

128 100

130 32.3 12.6 52.6

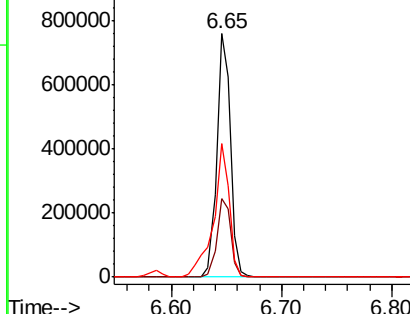
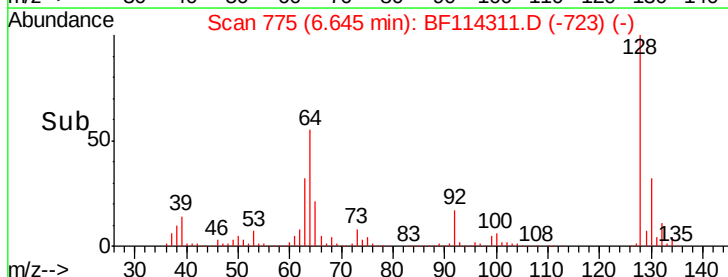
64 55.0 35.9 75.9

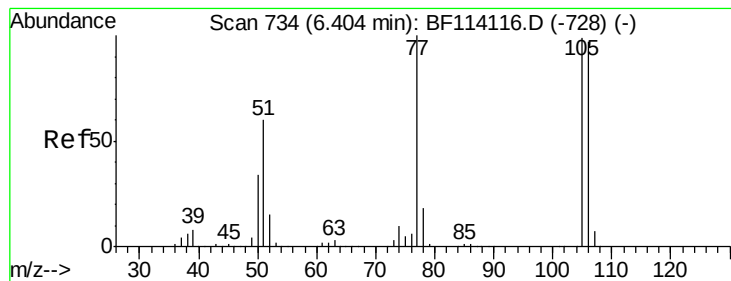


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.808 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

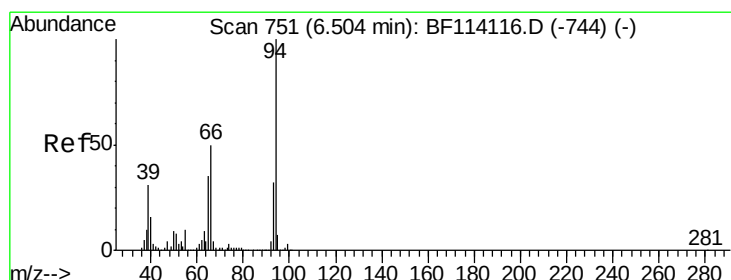
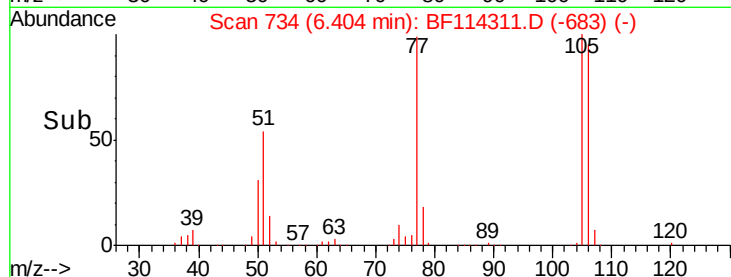
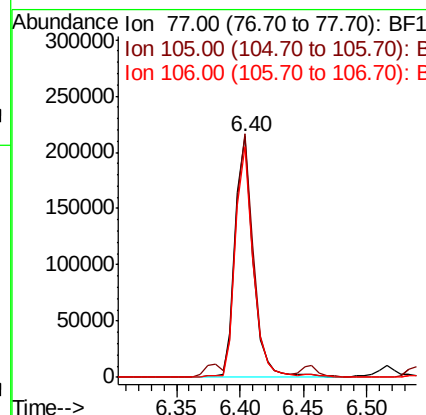
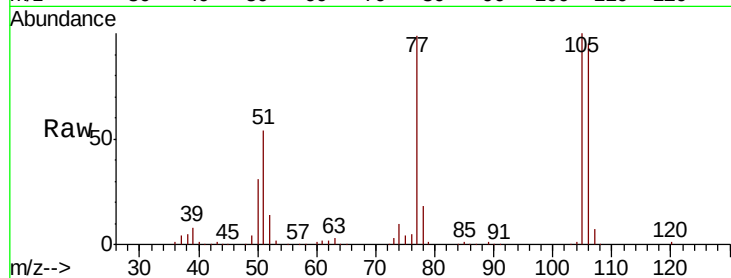
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	77	Resp:	211085
Ion Ratio	Lower	Upper	
77	100		
105	101.0	79.3	119.3
106	95.9	77.0	117.0

Manual Integrations
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#10

Phenol

Concen: 32.607 ng

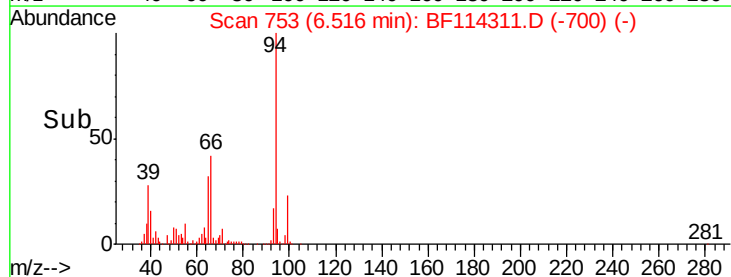
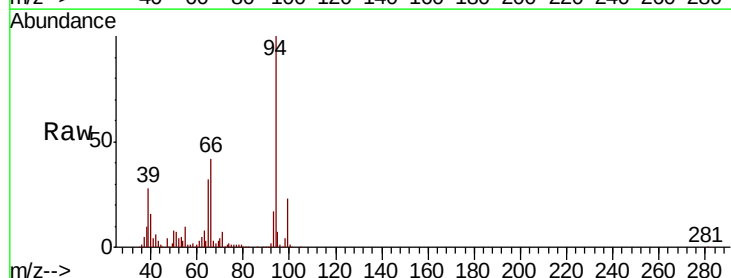
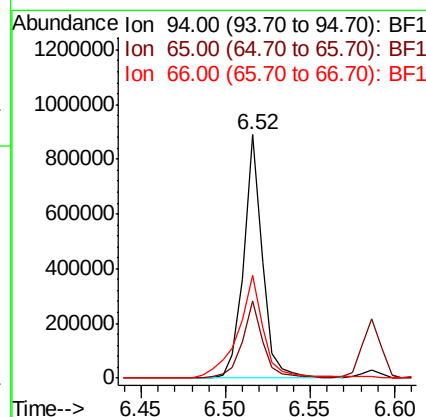
RT: 6.52 min Scan# 753

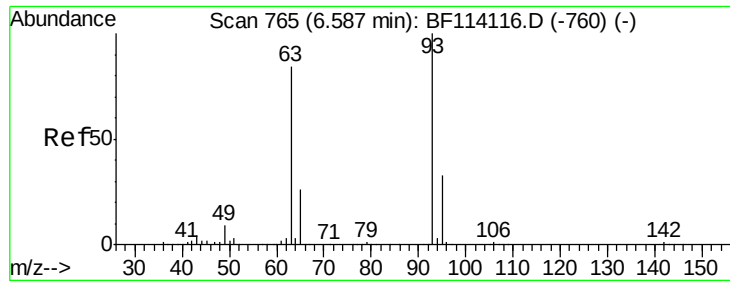
Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:	94	Resp:	688103
Ion Ratio	Lower	Upper	
94	100		
65	31.5	14.7	54.7
66	42.4	29.6	69.6





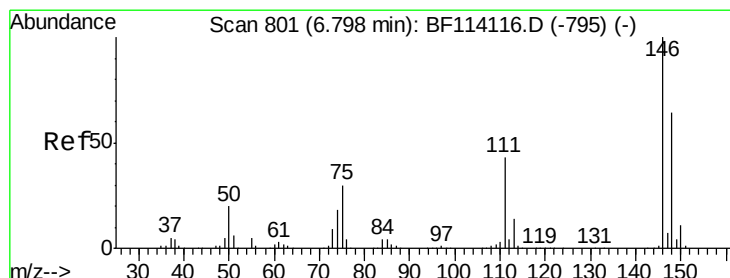
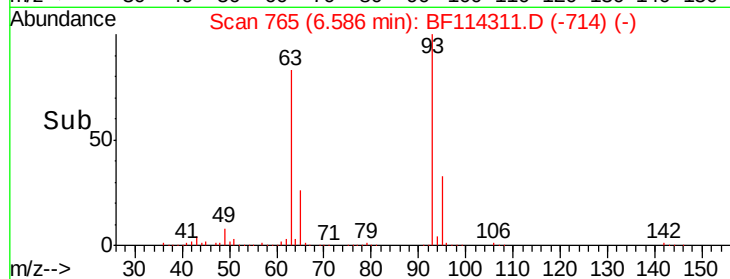
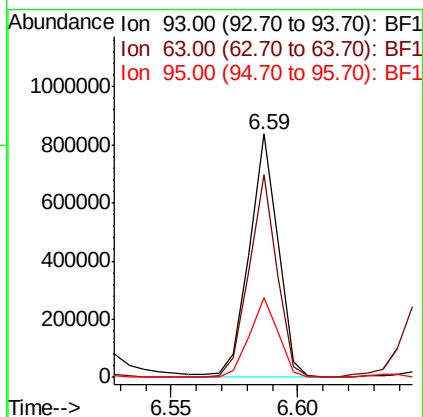
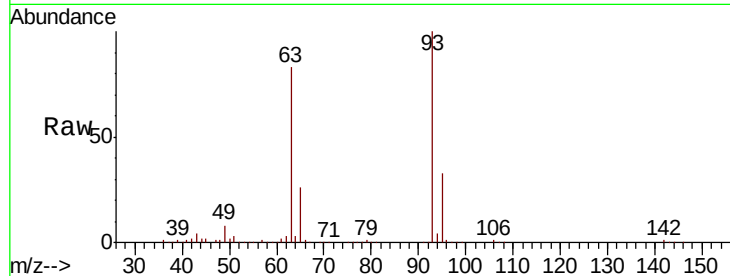
#11
bis(2-Chloroethyl)ether
Concen: 41.378 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		662918		
63	83.3	63.6	103.6		
95	32.6	13.1	53.1		

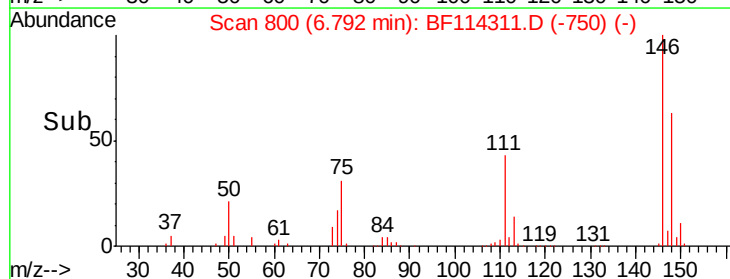
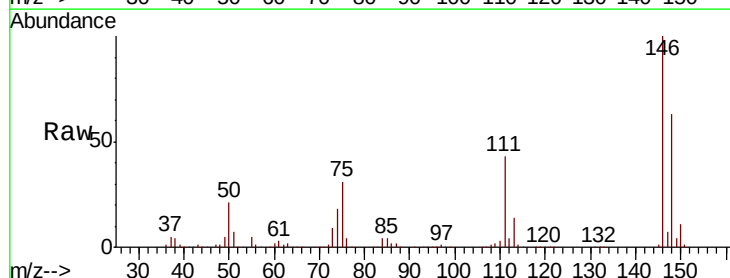
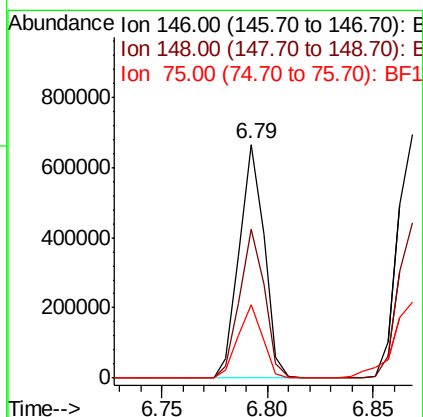
Manual Integrations
APPROVED

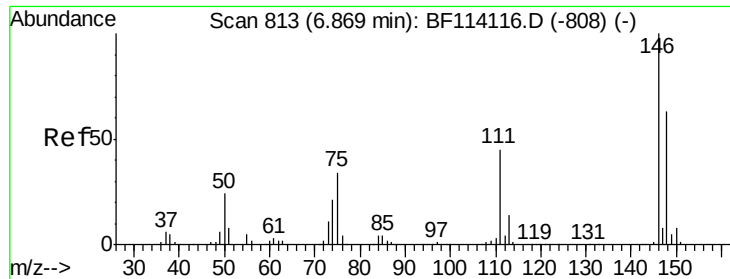
mohammad
5/17/2019 3:04:12 PM



#12
1,3-Dichlorobenzene
Concen: 30.131 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		547660		
148	63.5	51.6	77.4		
75	31.3	24.2	36.2		





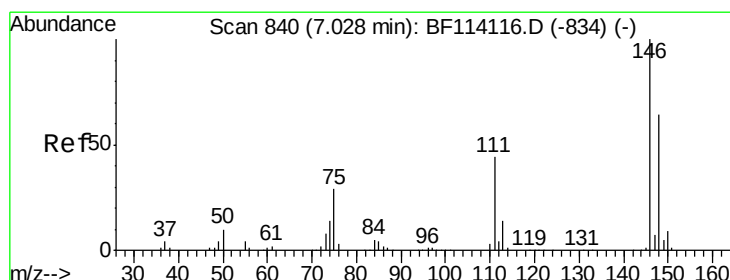
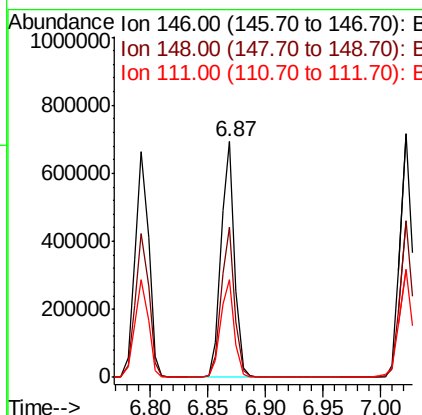
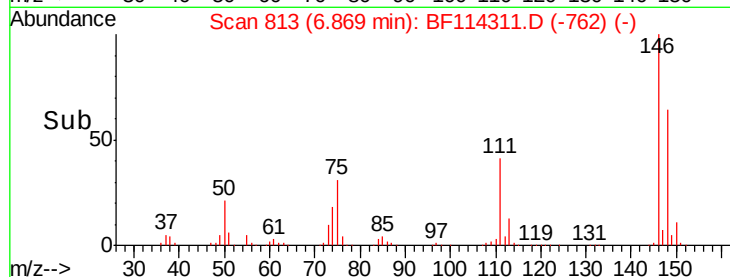
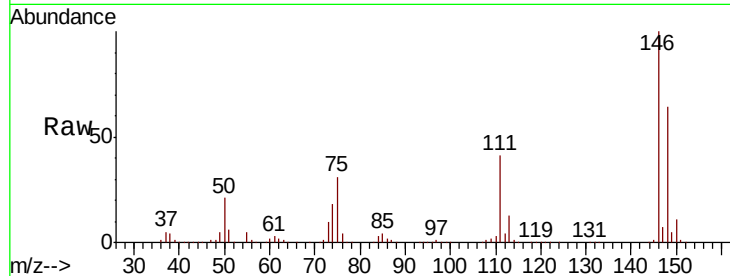
#13
 1,4-Dichlorobenzene
 Concen: 30.623 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.2	75.2
111	41.4	35.8	53.6

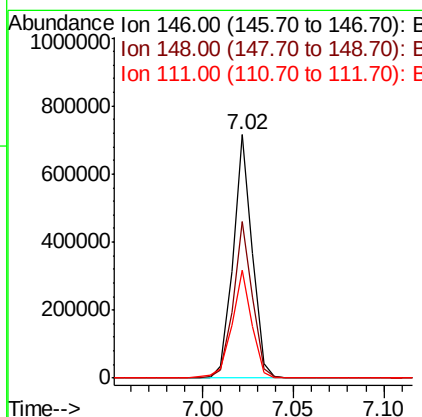
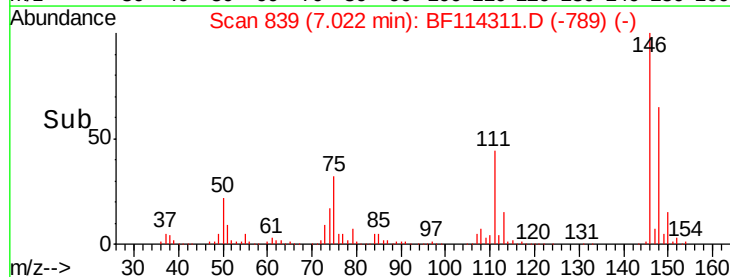
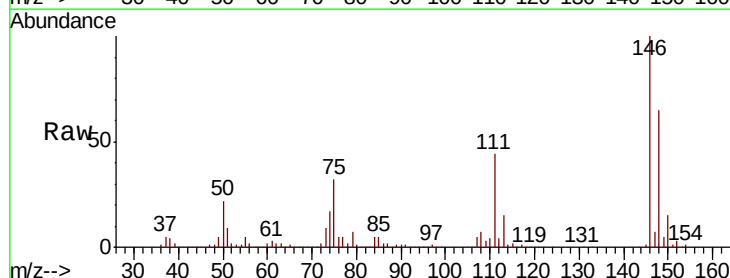
Manual Integrations
 APPROVED

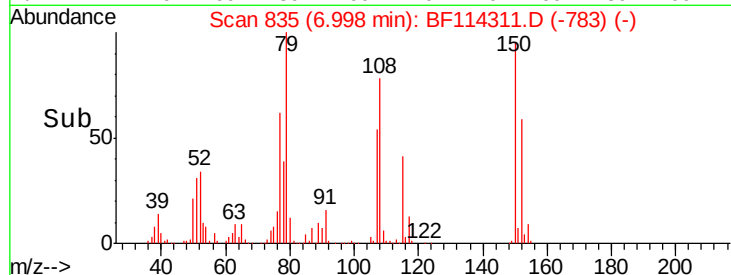
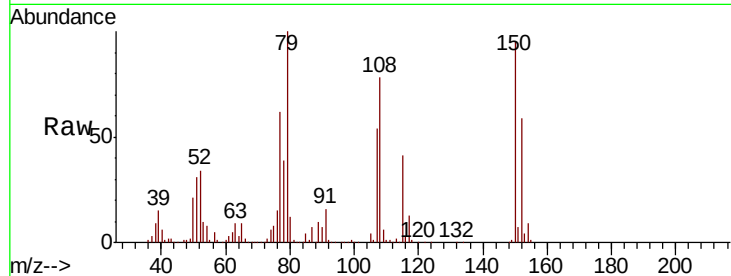
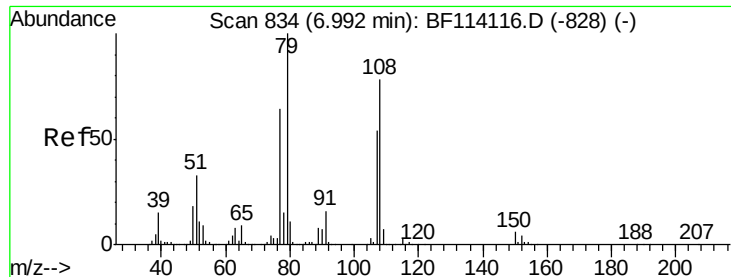
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 31.309 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	44.2	35.3	52.9





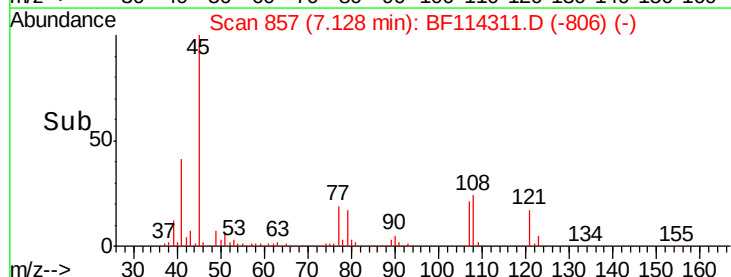
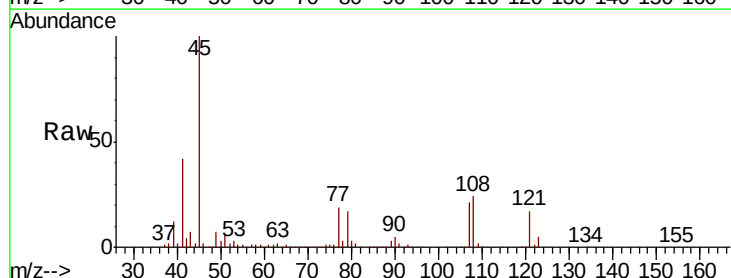
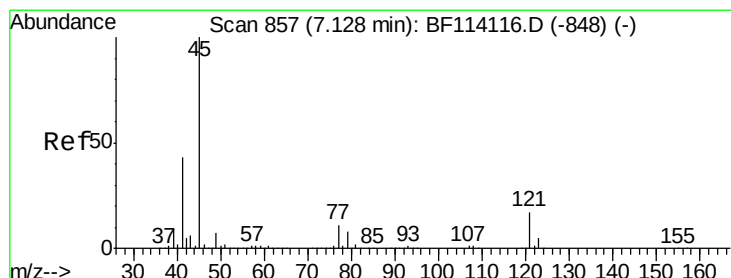
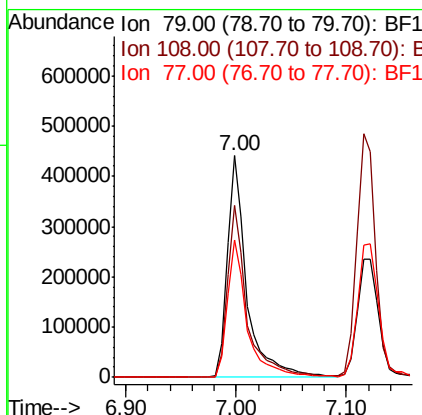
#15
Benzyl Alcohol
Concen: 39.091 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.7	62.1	93.1
77	62.1	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

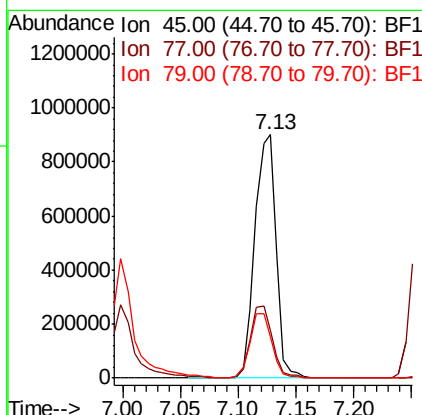
Manual Integrations
APPROVED

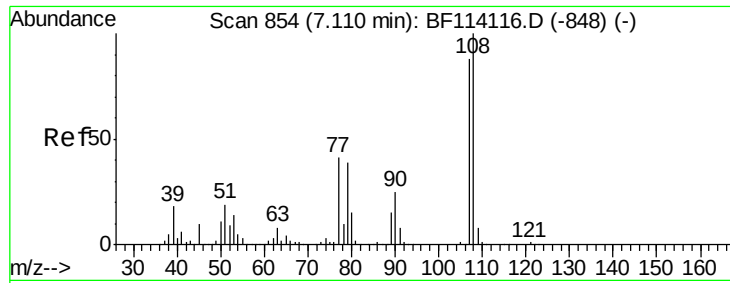
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.129 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	31.1
79	17.2	0.0	28.4





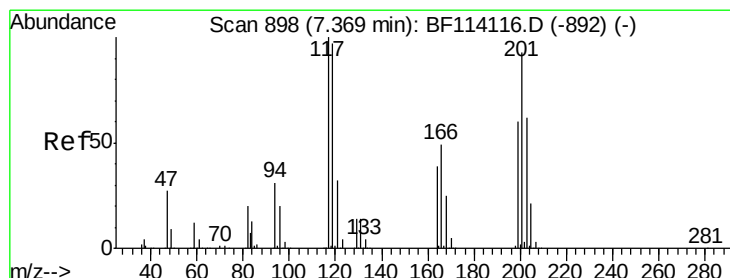
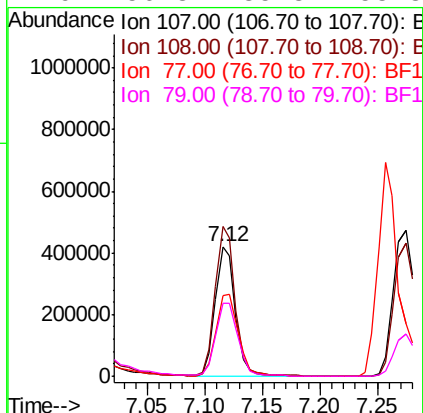
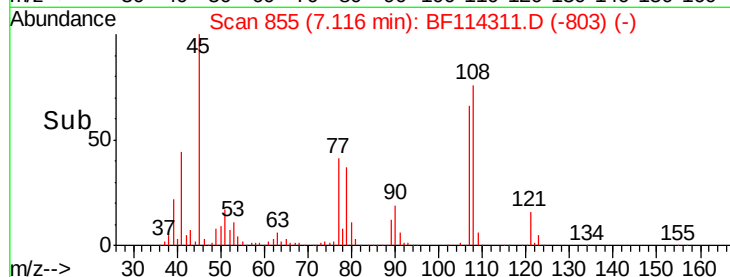
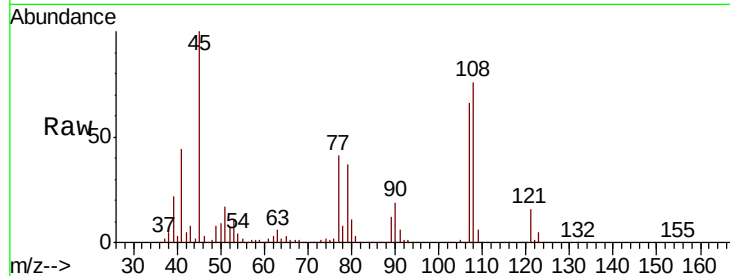
#17
2-Methylphenol
Concen: 37.791 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.5	135.7
77	62.4	37.0	55.4#
79	56.3	35.8	53.8#

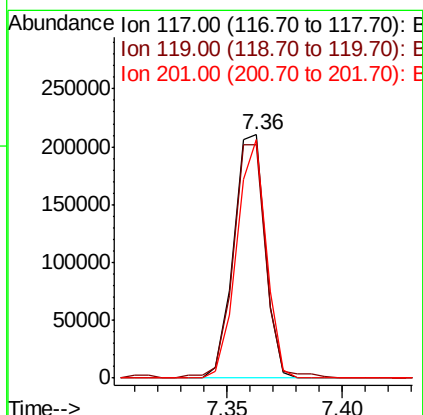
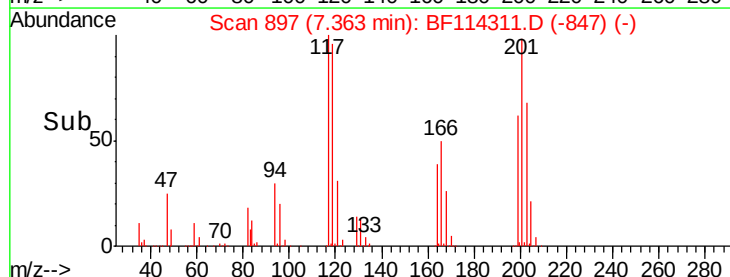
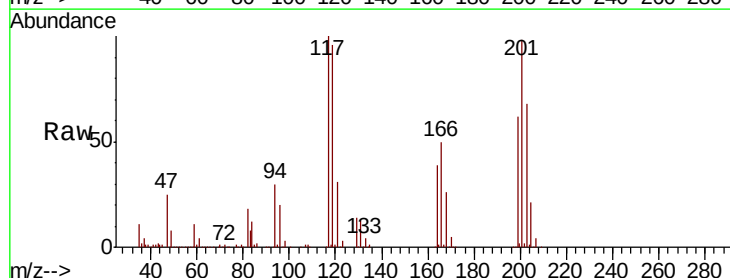
Manual Integrations
APPROVED

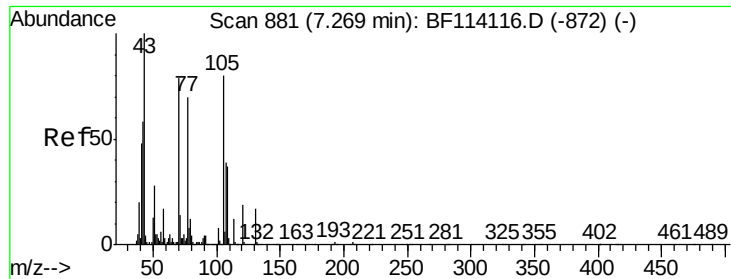
mohammad
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#18
Hexachloroethane
Concen: 29.265 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.2
201	97.8	74.5	111.7





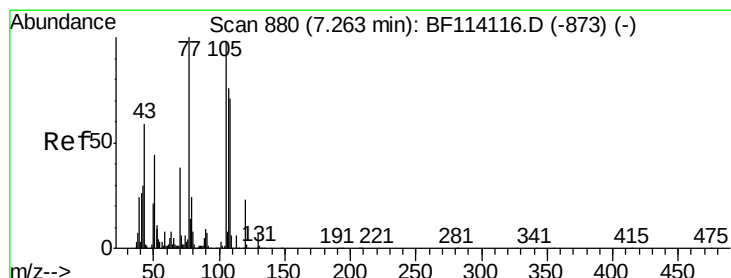
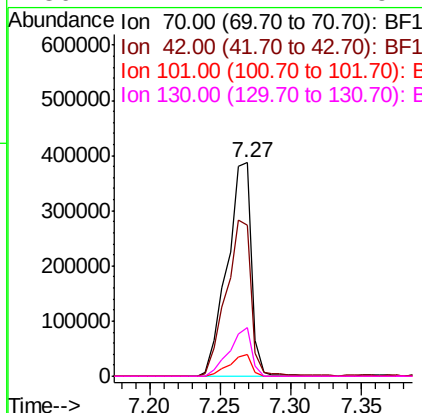
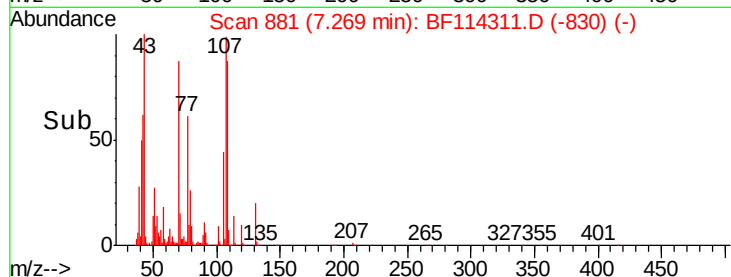
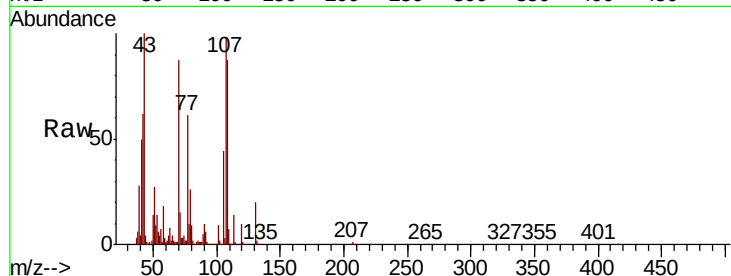
#19
n-Nitroso-di-n-propylamine
Concen: 40.666 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	71.0	58.6	87.8	
101	10.0	7.8	11.8	
130	22.7	17.1	25.7	

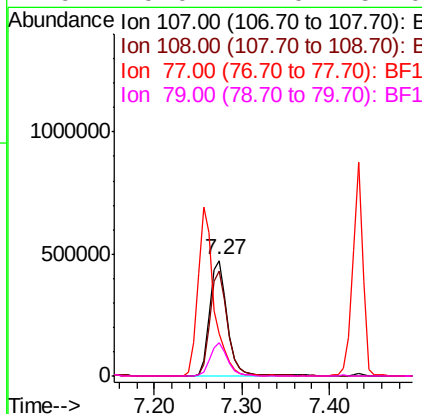
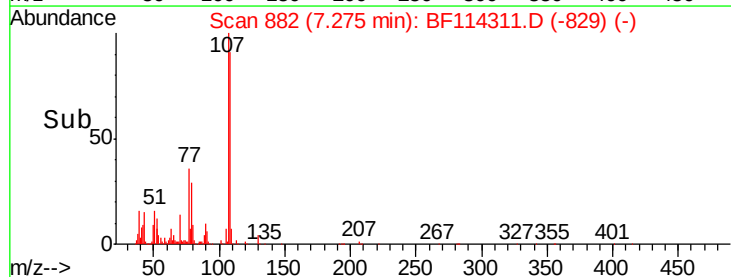
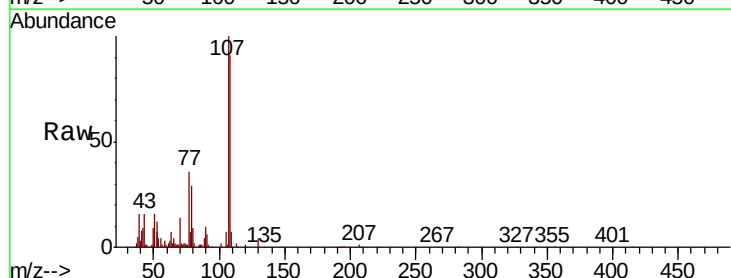
Manual Integrations
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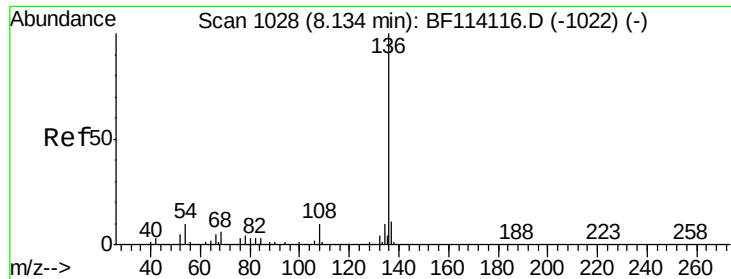
mohammad
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#20
3+4-Methylphenols
Concen: 43.127 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.0	73.8	113.8	
77	36.2	111.5	151.5	
79	29.0	12.0	52.0	





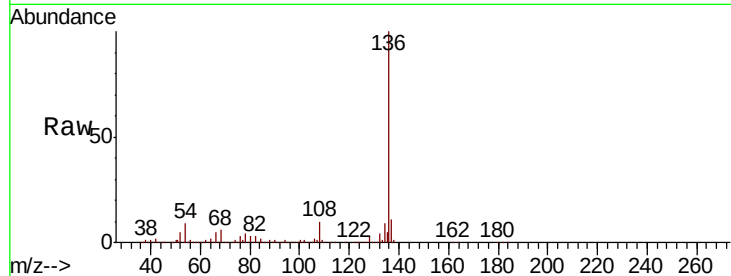
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	953915		
137	11.2		8.8	13.2
54	8.9		7.8	11.8
68	6.1		5.1	7.7

Manual Integrations
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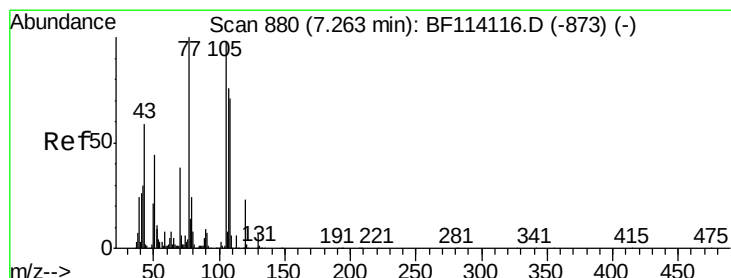
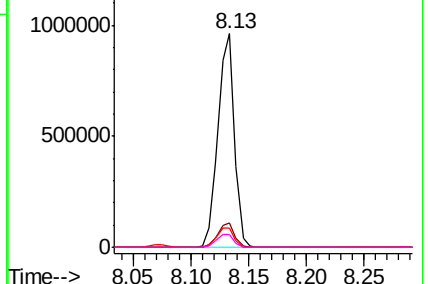
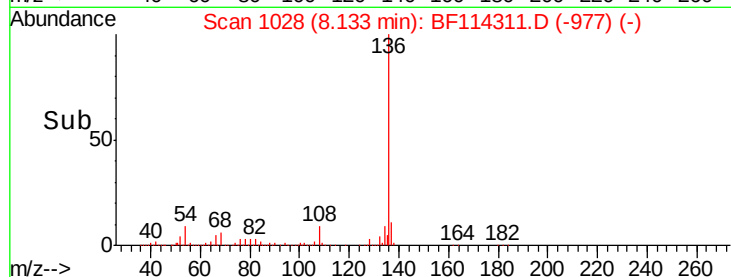
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

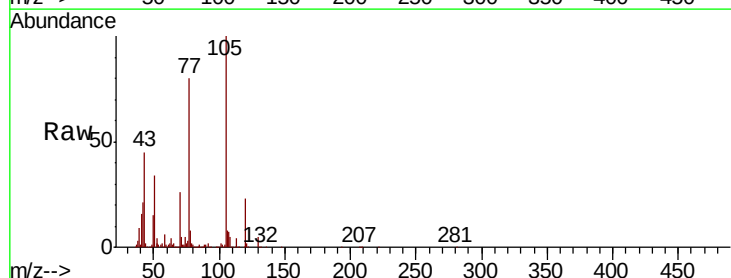
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 42.710 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	902561		
71	4.5		5.3	7.9#
51	34.3		36.2	54.4#
120	23.0		18.6	28.0



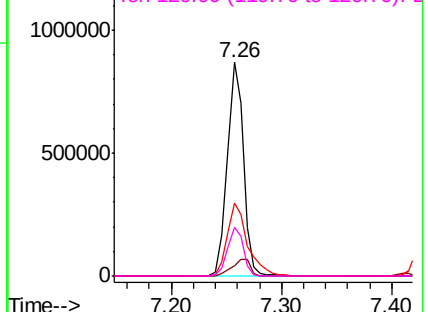
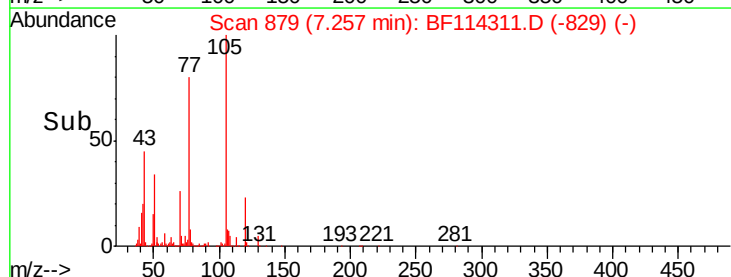
Abundance

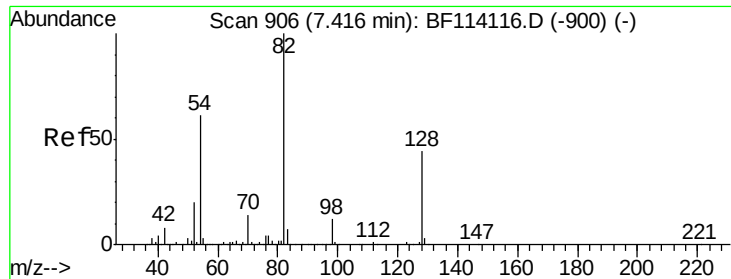
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





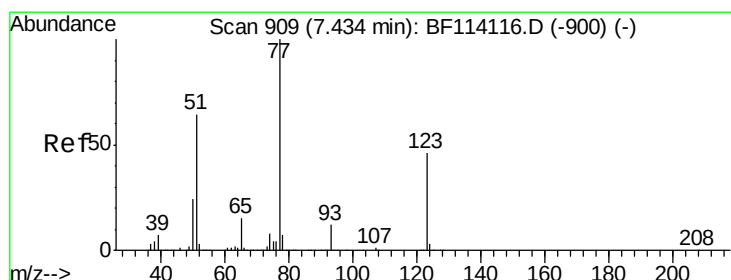
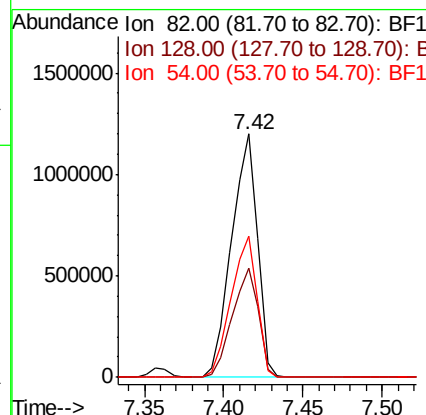
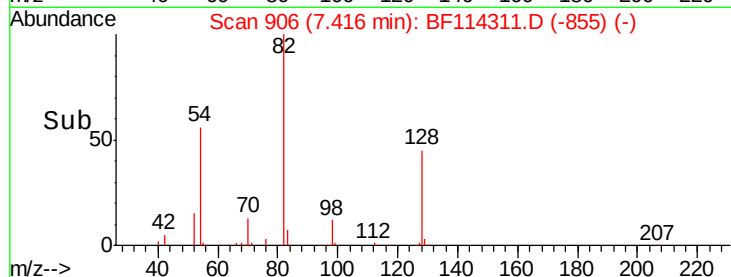
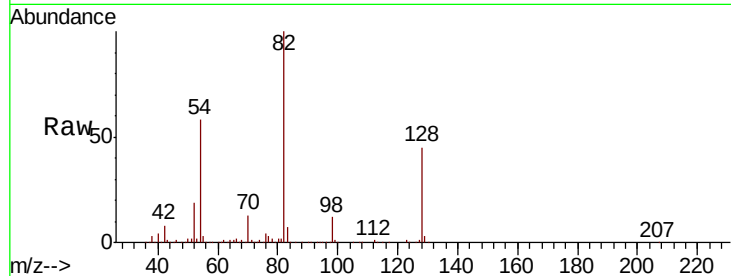
#23
 Nitrobenzene-d5
 Concen: 80.281 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	82	Resp	1364589
Ion Ratio	100	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	58.1	48.5	72.7

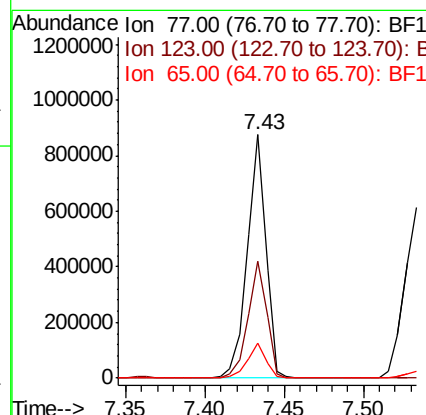
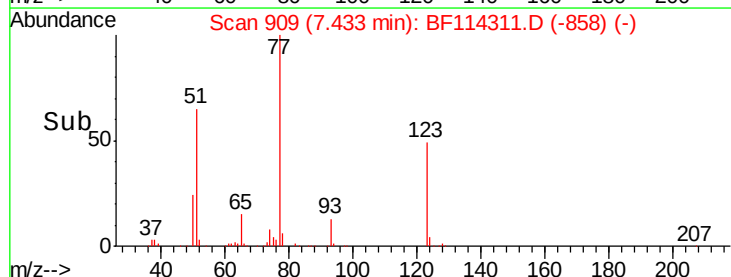
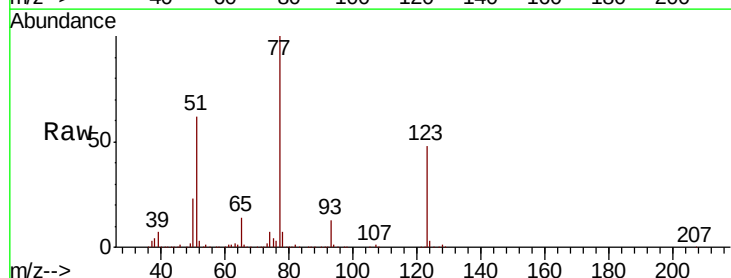
Manual Integrations
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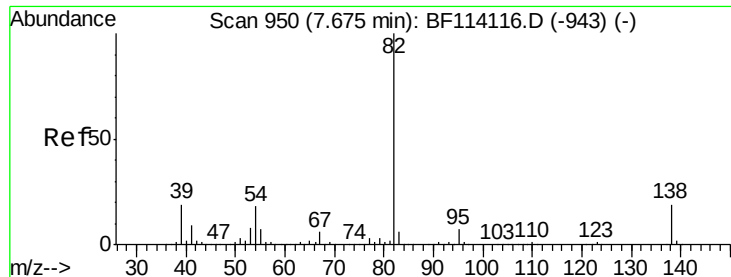
mohammad
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#24
 Nitrobenzene
 Concen: 40.936 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	77	Resp	708698
Ion Ratio	100	Lower	Upper
77	100		
123	48.1	36.9	55.3
65	14.2	11.8	17.6





#25

Isophorone

Concen: 40.868 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 82 Resp: 1288309

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

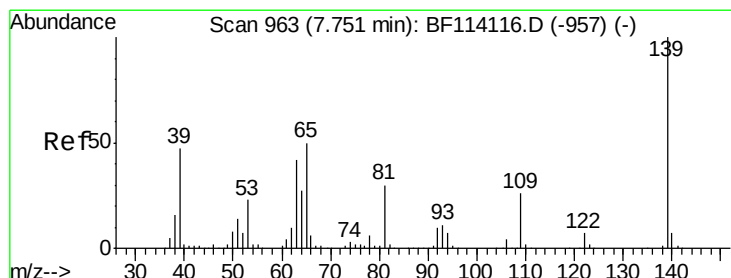
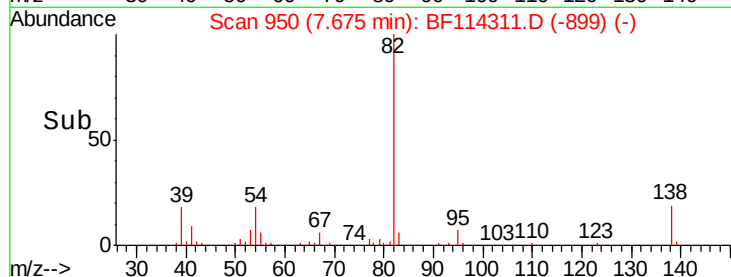
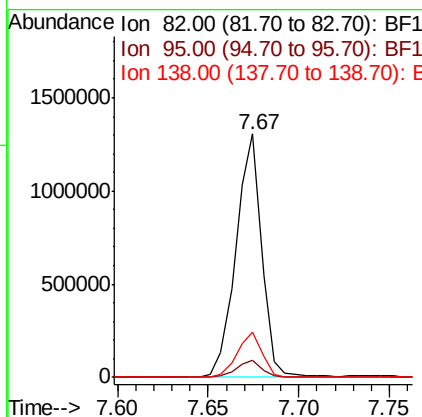
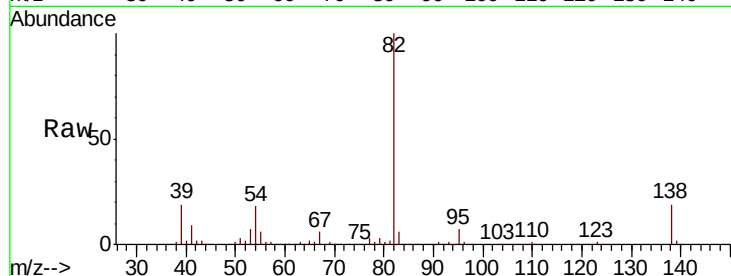
138 18.8 14.8 22.2

Manual Integrations

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#26

2-Nitrophenol

Concen: 43.248 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

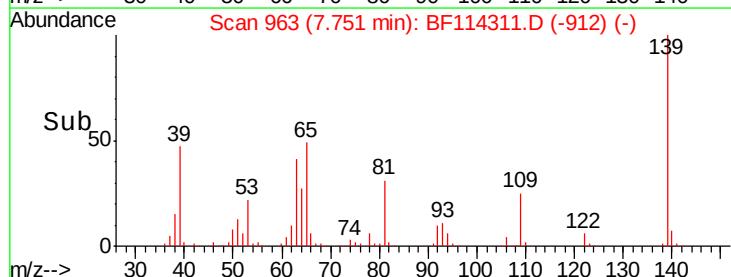
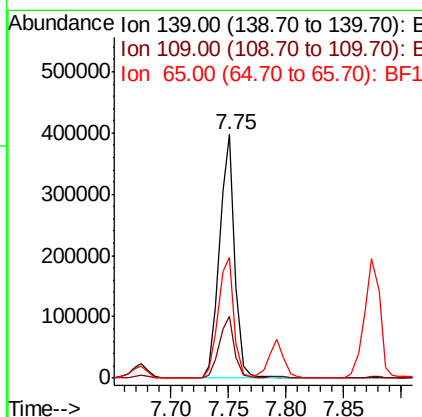
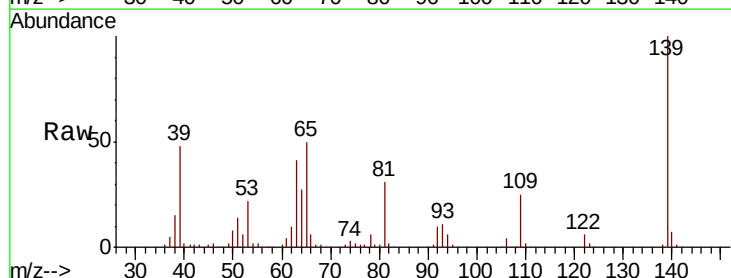
Tgt Ion: 139 Resp: 363256

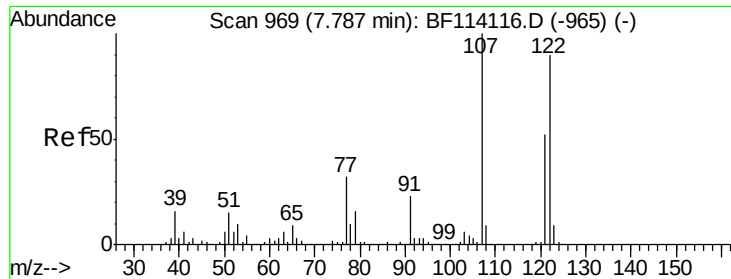
Ion Ratio Lower Upper

139 100

109 25.3 20.7 31.1

65 49.6 40.2 60.2





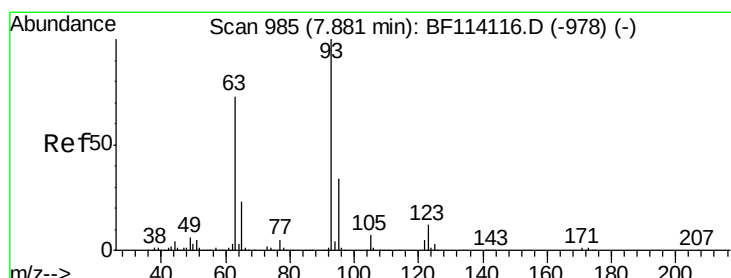
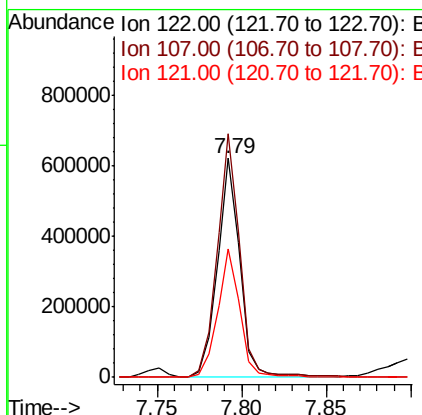
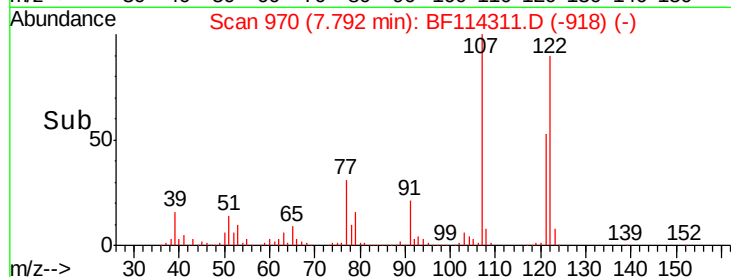
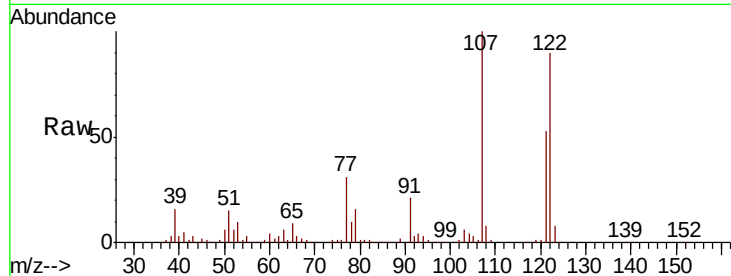
#27
2,4-Dimethylphenol
Concen: 43.612 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.3	88.4	132.6
121	58.5	45.9	68.9

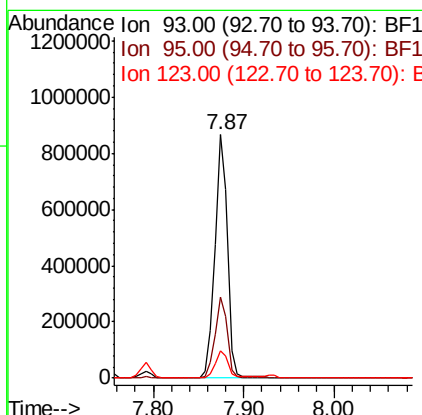
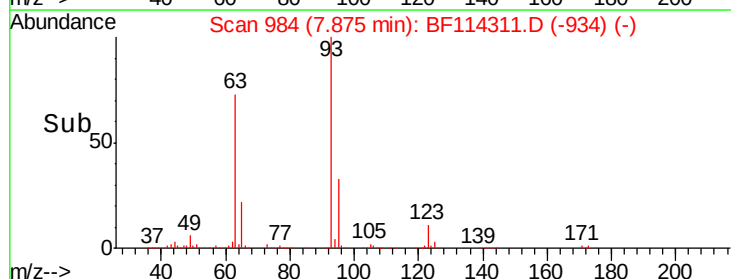
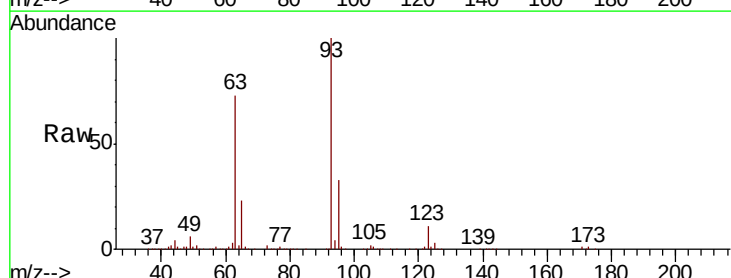
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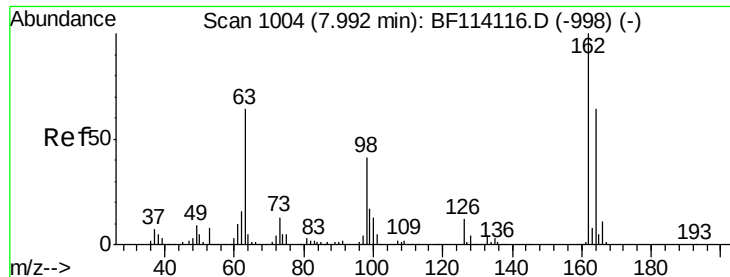
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 40.578 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.8	40.2
123	11.5	9.5	14.3





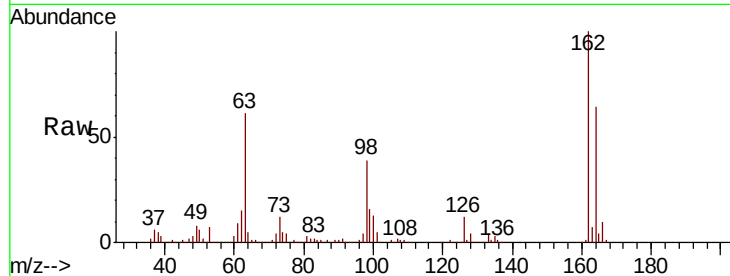
#29
 2,4-Dichlorophenol
 Concen: 42.085 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	552827		
164	63.7	43.6	83.6	
98	39.5	20.6	60.6	

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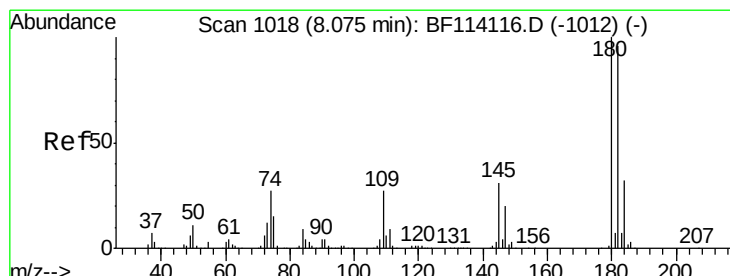
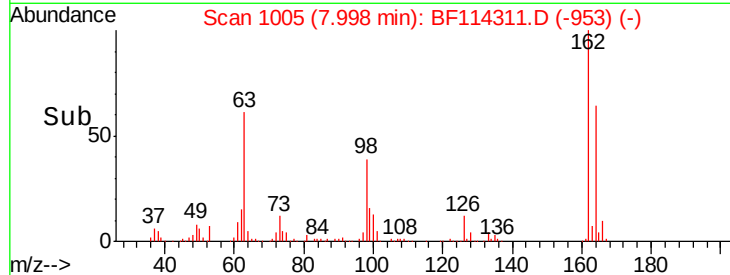
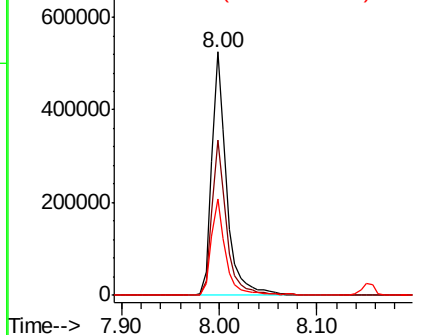


Abundance

Ion 162.00 (161.70 to 162.70): E

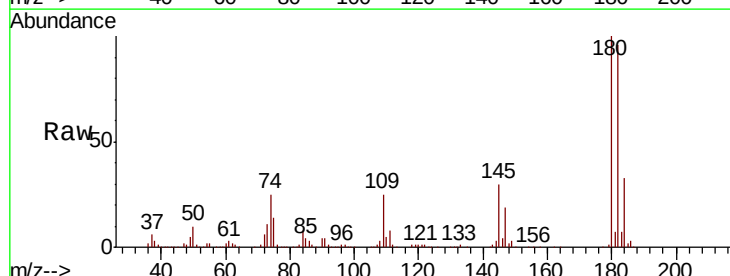
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 35.220 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	526093		
182	96.4	76.6	114.8	
145	30.4	25.1	37.7	

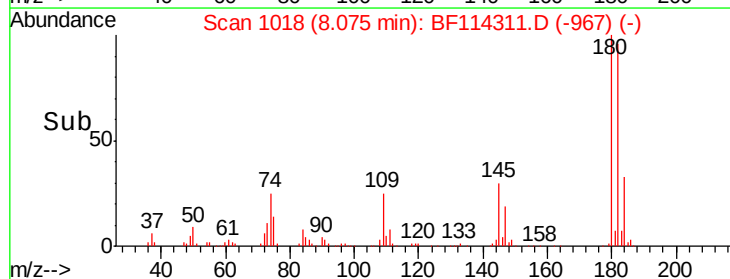
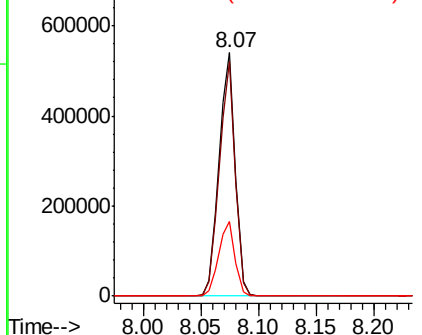


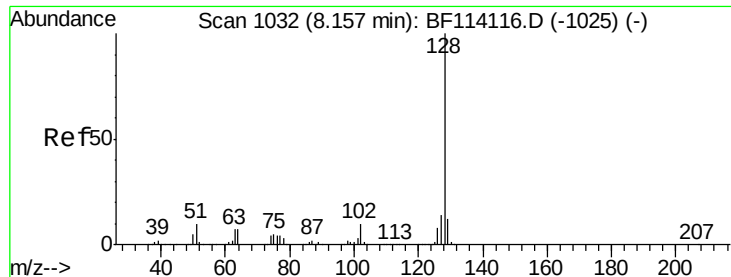
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 39.012 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

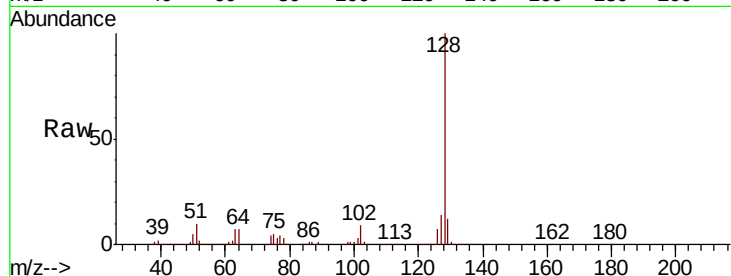
ClientSampleId :

SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.6	11.3	16.9

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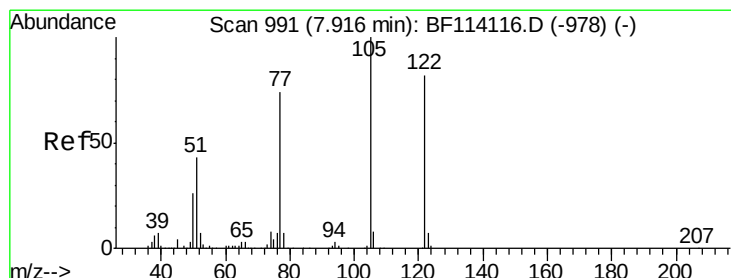
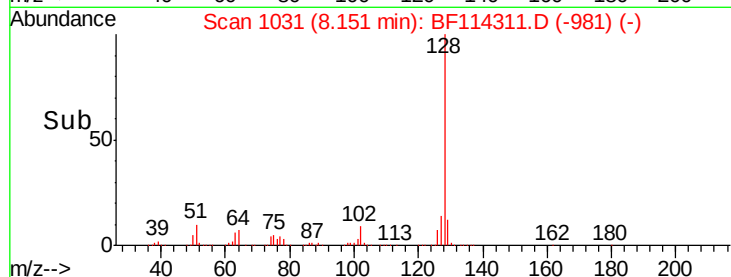
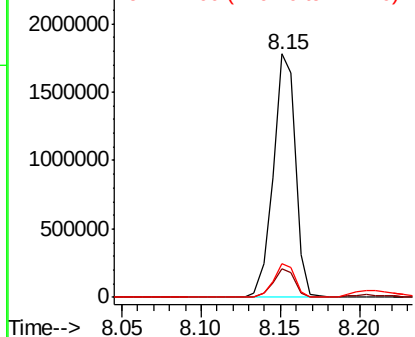


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.508 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.02 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

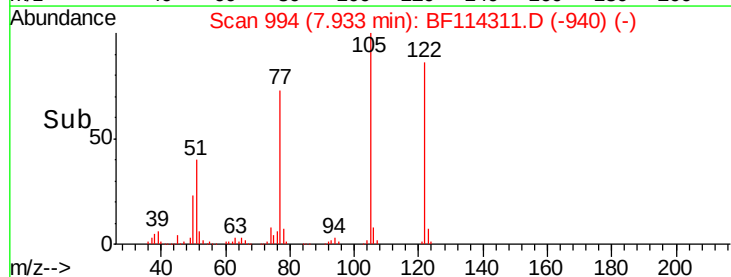
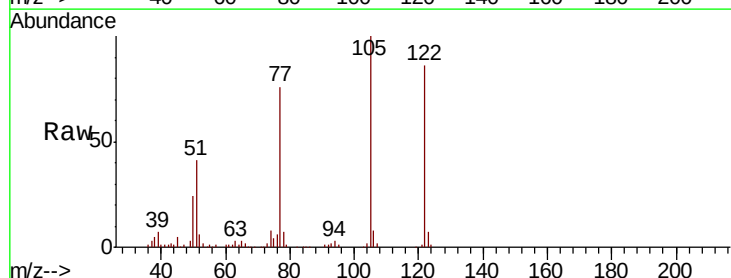
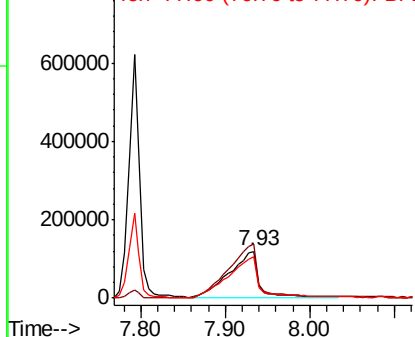
Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.5	99.9	139.9
77	88.8	69.4	109.4

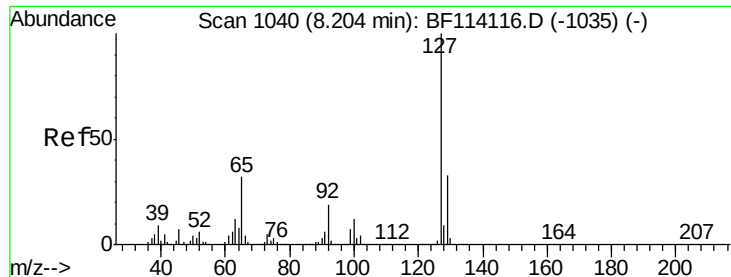
Abundance

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





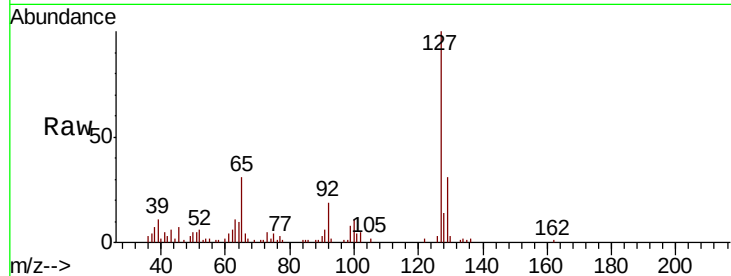
#33
4-Chloroaniline
Concen: 6.030 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

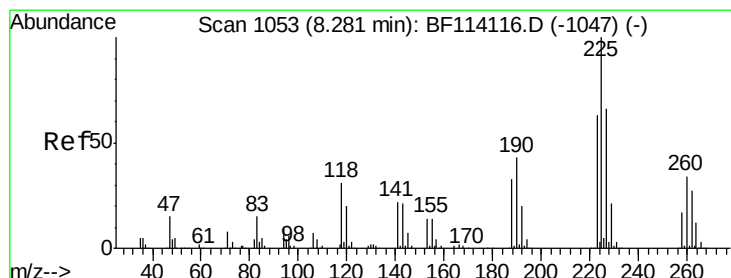
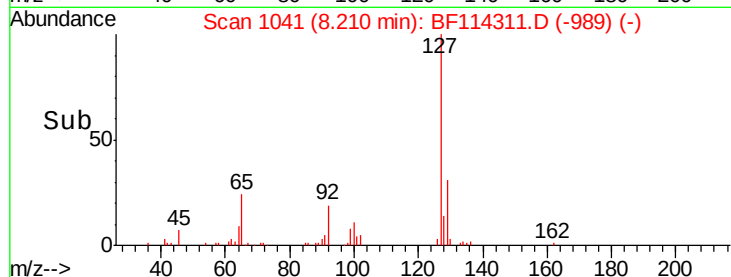
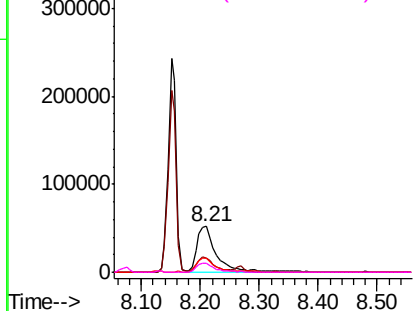
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.2	26.7	40.1		
65	30.9	25.4	38.0		
92	19.3	15.4	23.2		

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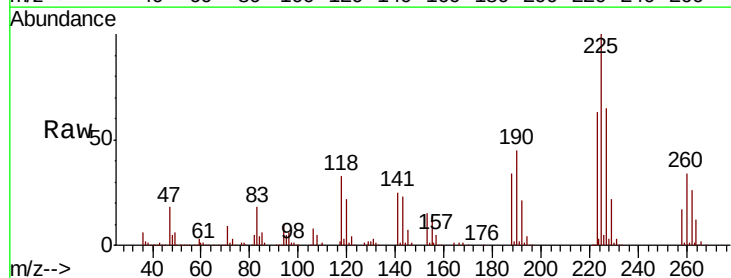


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

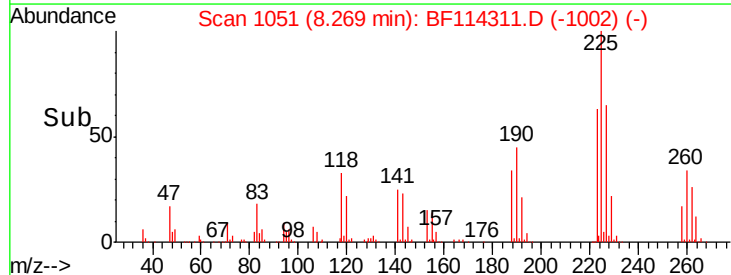
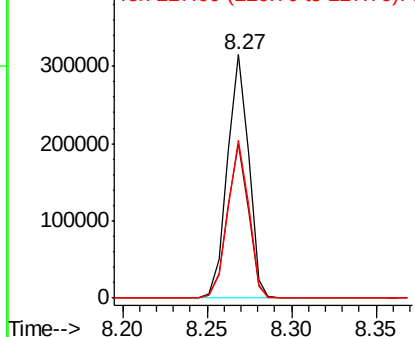


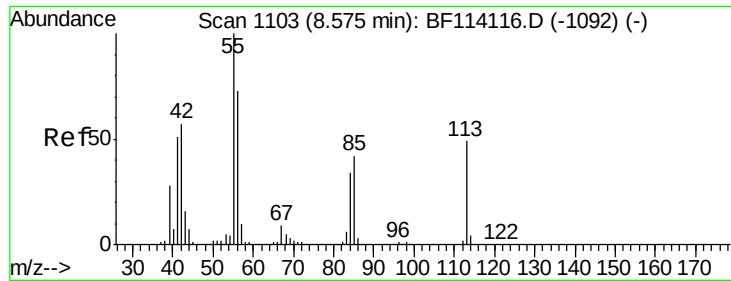
#34
Hexachlorobutadiene
Concen: 32.269 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	50.2	75.2		
227	64.6	52.6	79.0		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





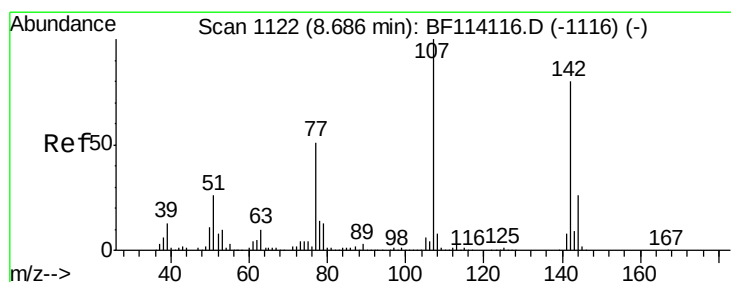
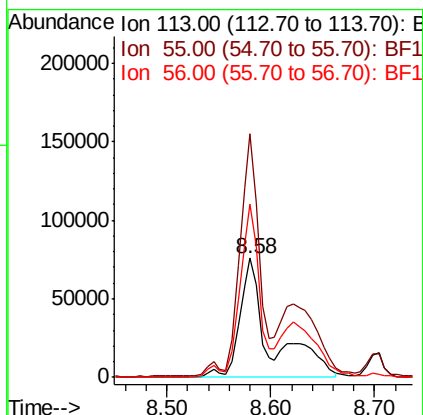
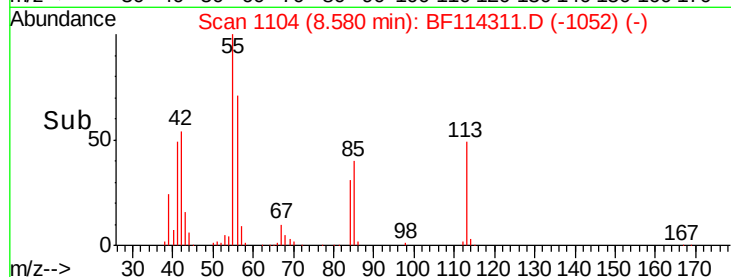
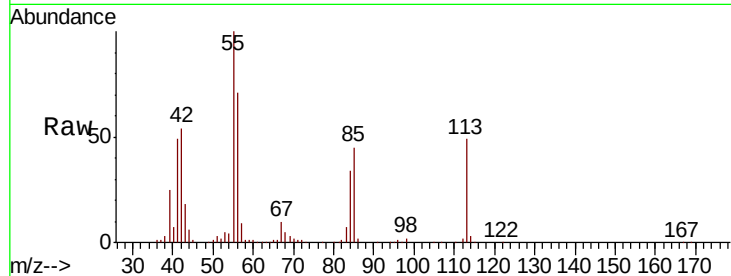
#35
Caprolactam
Concen: 36.812 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	204.4	183.5	223.5		
56	145.1	128.8	168.8		

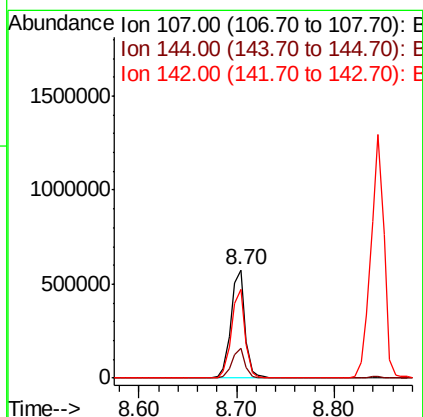
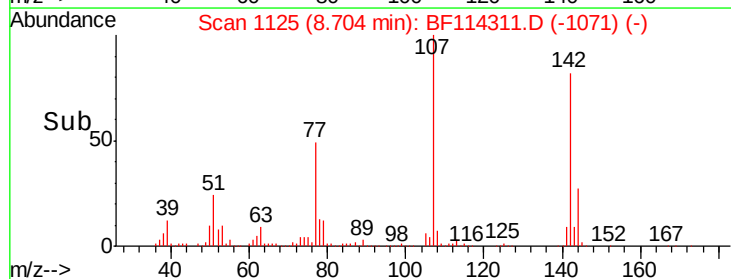
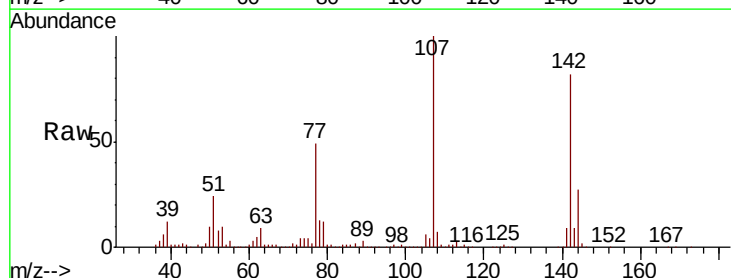
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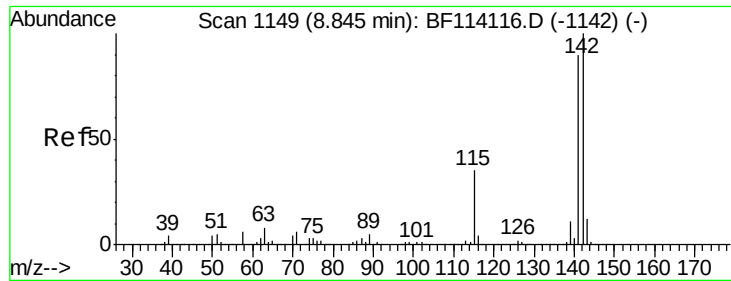
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#36
4-Chloro-3-methylphenol
Concen: 43.749 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	27.1	20.4	30.6		
142	82.5	64.2	96.4		





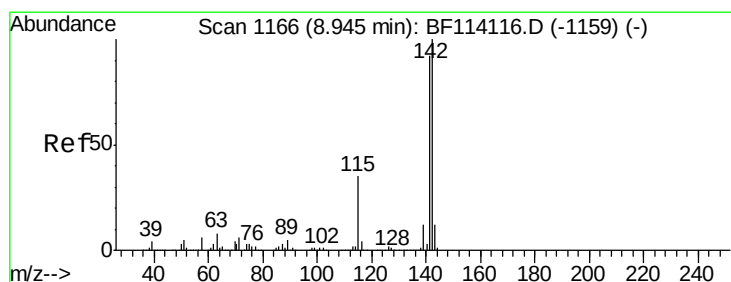
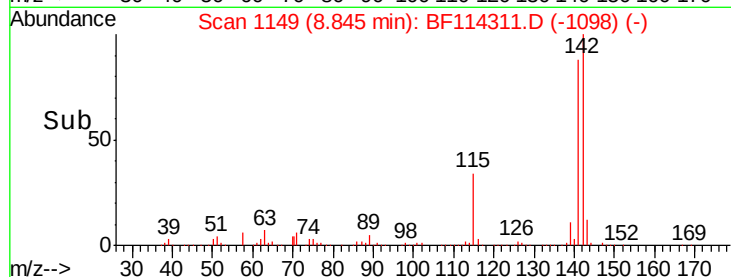
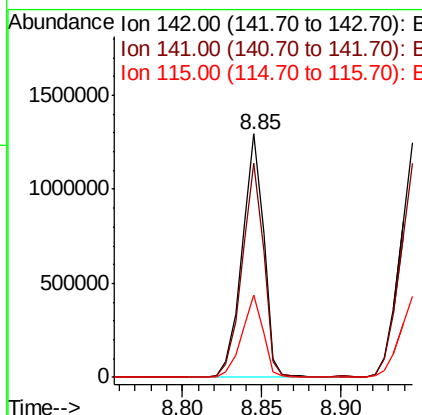
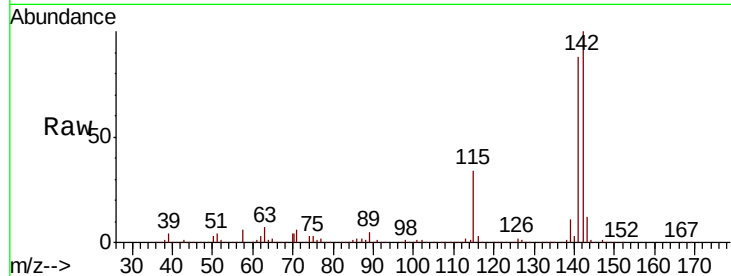
#37
2-Methylnaphthalene
Concen: 42.494 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.1	108.1
115	33.6	28.0	42.0

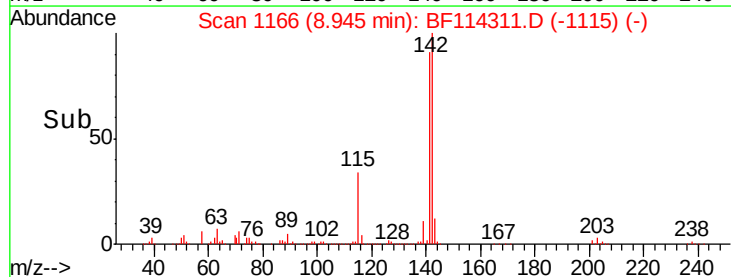
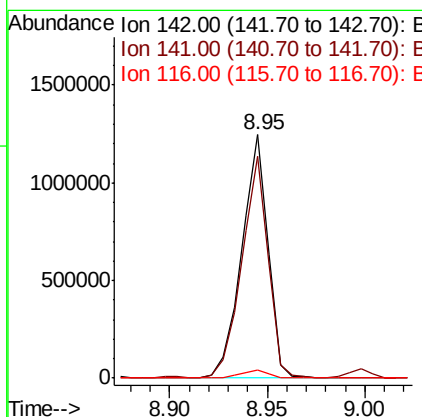
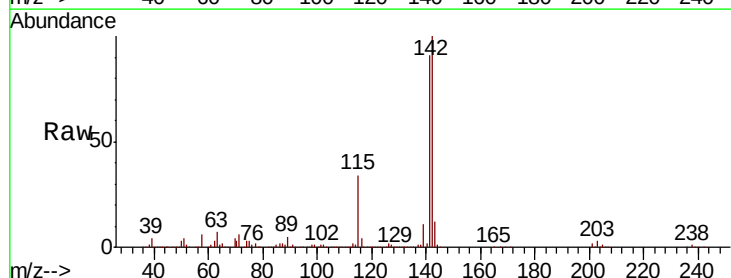
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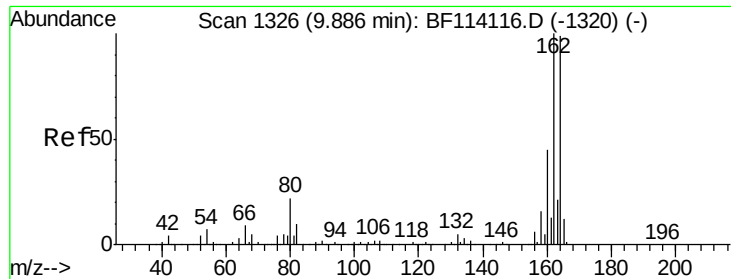
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#38
1-Methylnaphthalene
Concen: 42.611 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.4	110.0
116	3.5	3.1	4.7





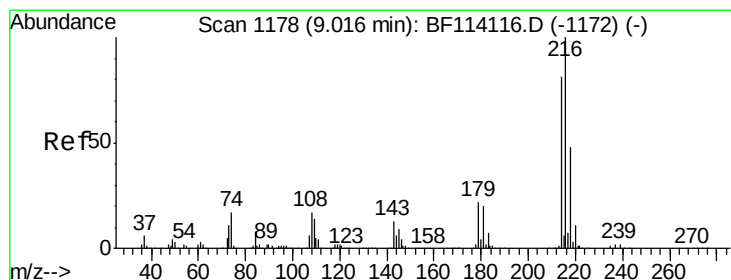
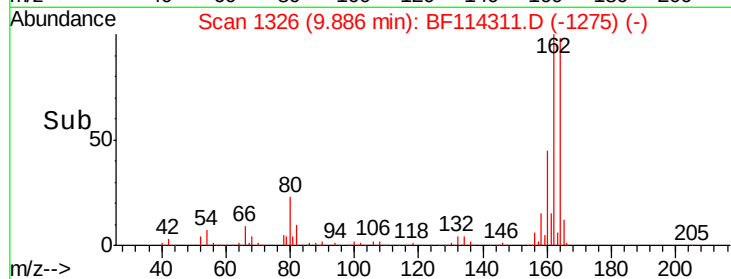
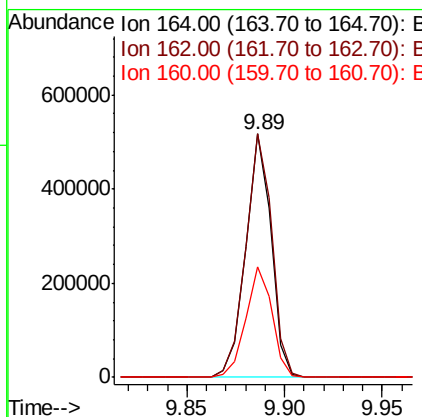
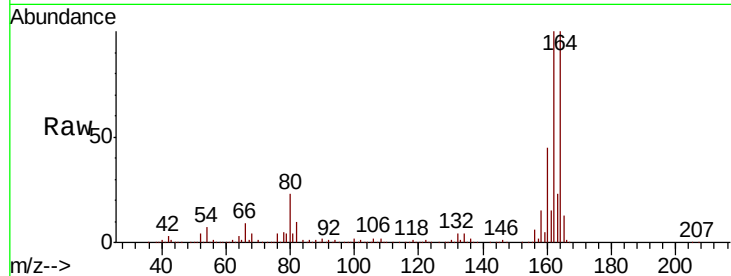
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	45.2	36.5	54.7

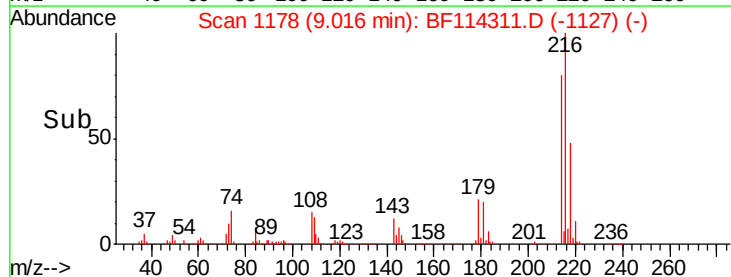
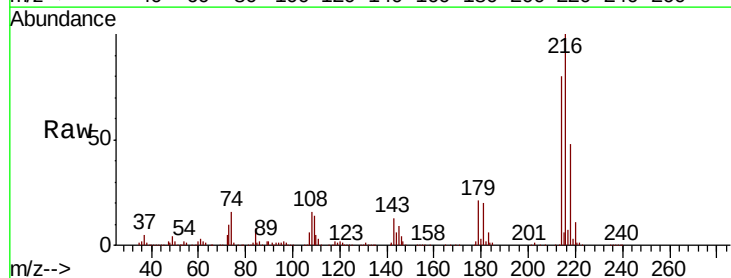
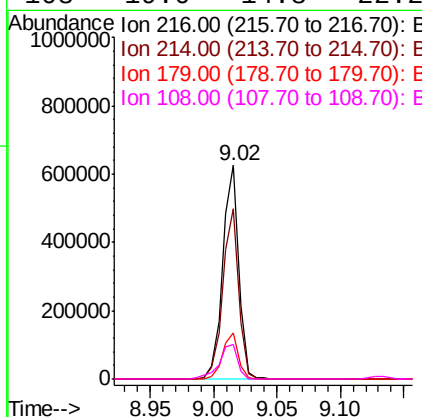
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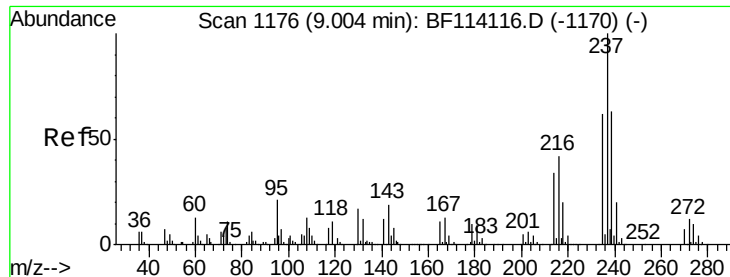
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.034 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.9	95.9
179	21.2	17.0	25.6
108	19.0	14.8	22.2





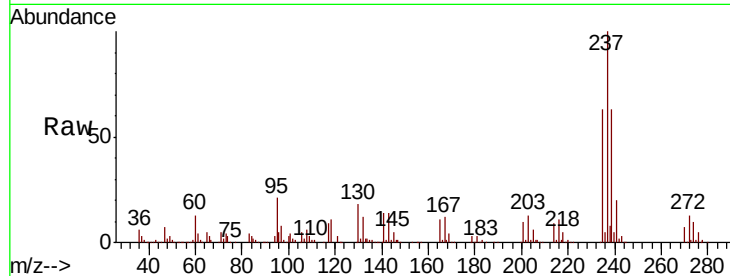
#41
Hexachlorocyclopentadiene
Concen: 46.988 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

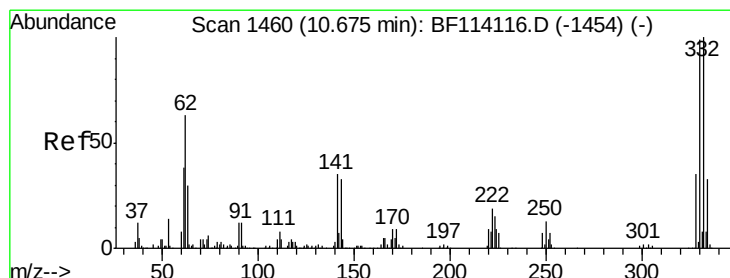
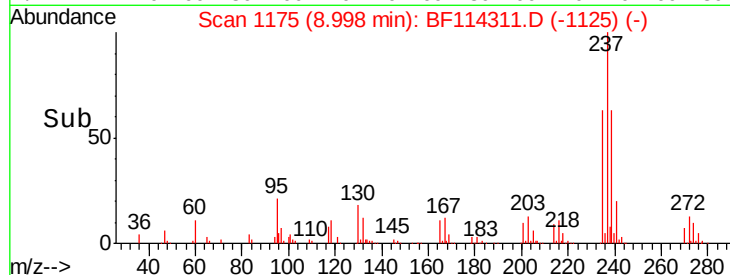
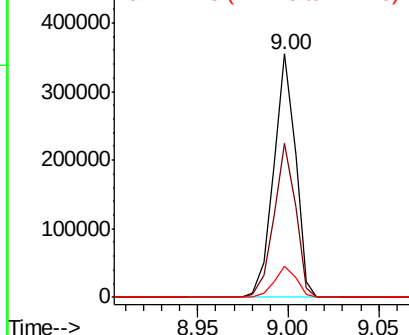
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.2	42.0	82.0
272	12.9	0.0	32.4

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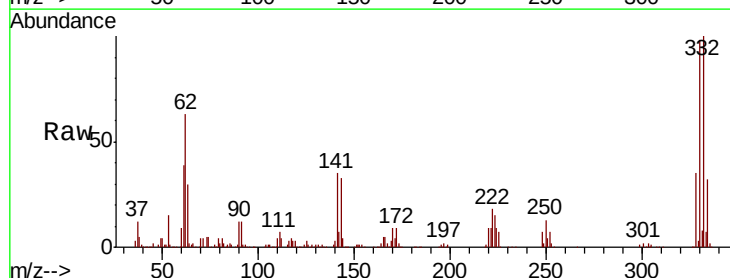


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

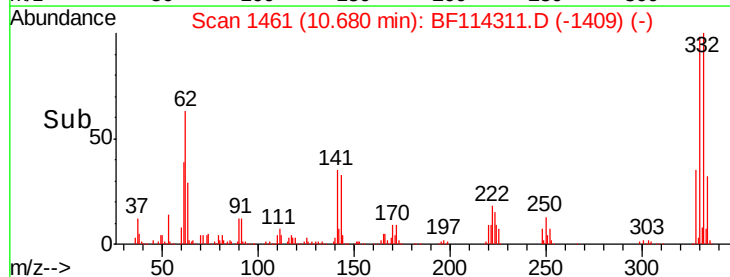
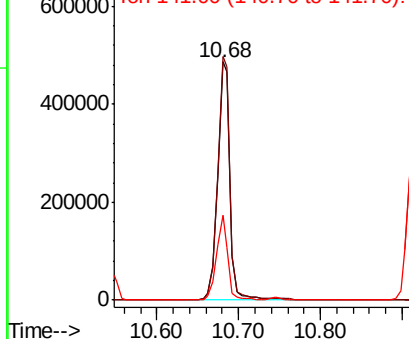


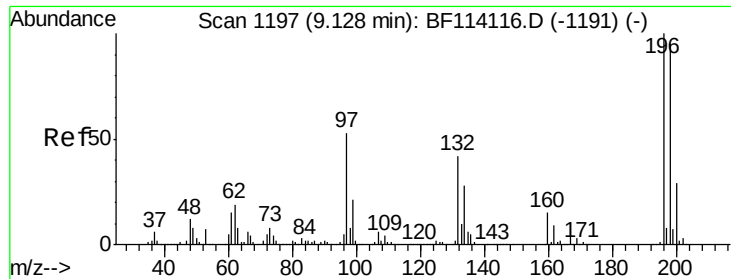
#42
2,4,6-Tribromophenol
Concen: 106.846 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	101.7	81.4	122.2
141	32.3	26.6	40.0



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





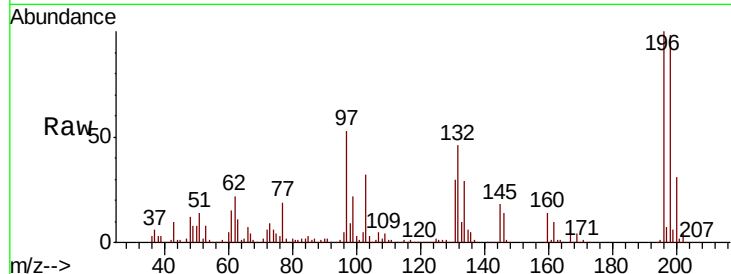
#43
 2,4,6-Trichlorophenol
 Concen: 38.270 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	372169		
198	97.8	75.9	113.9	
200	30.8	23.5	35.3	

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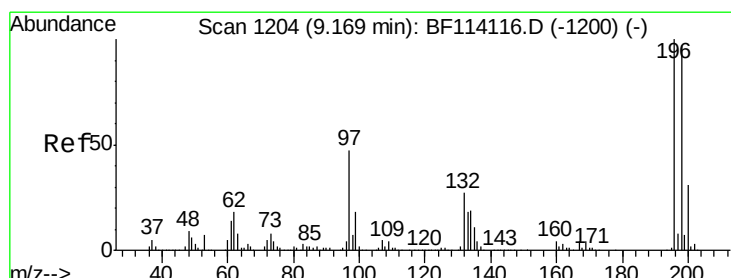
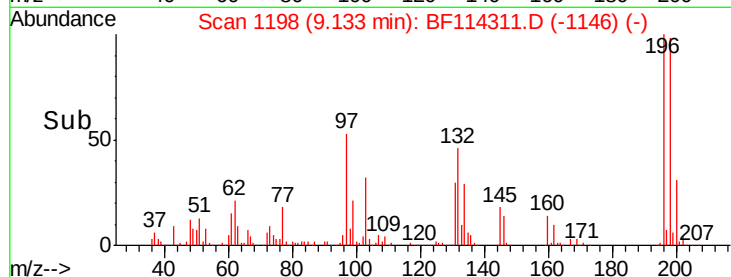
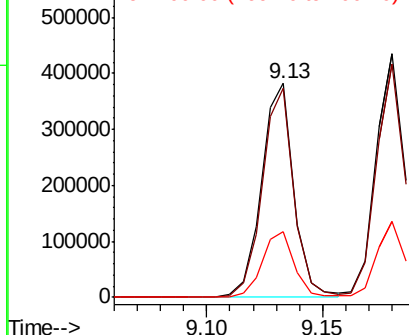


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 40.125 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	400181		
198	95.9	77.7	116.5	
97	49.2	38.2	57.2	
132	27.6	21.4	32.2	

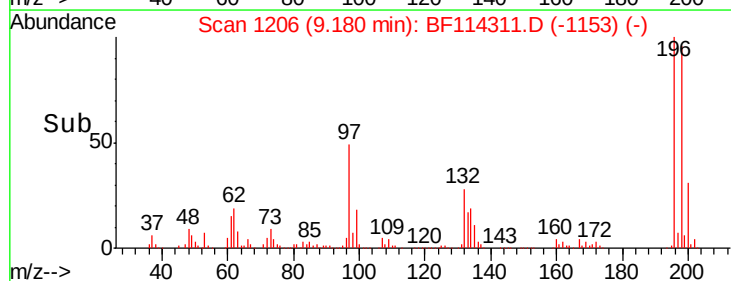
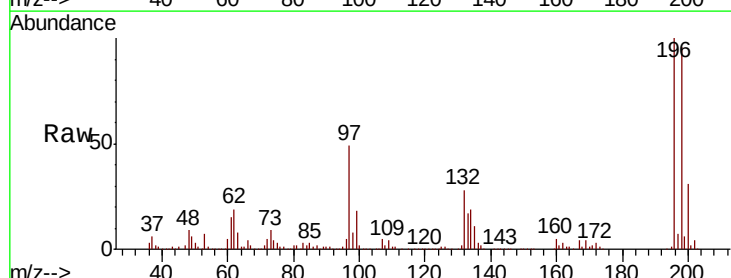
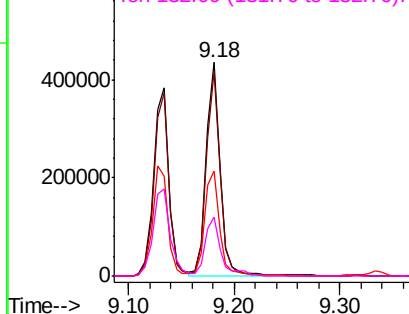
Abundance

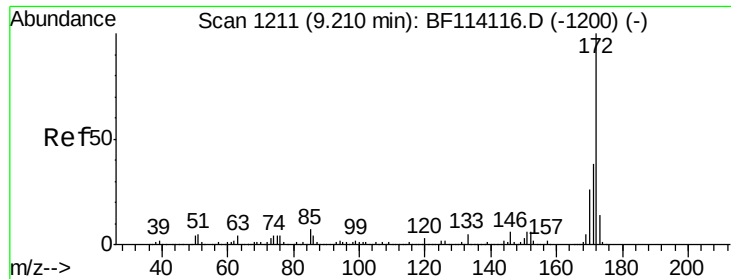
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





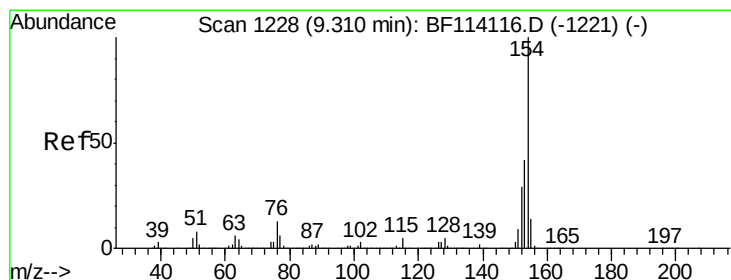
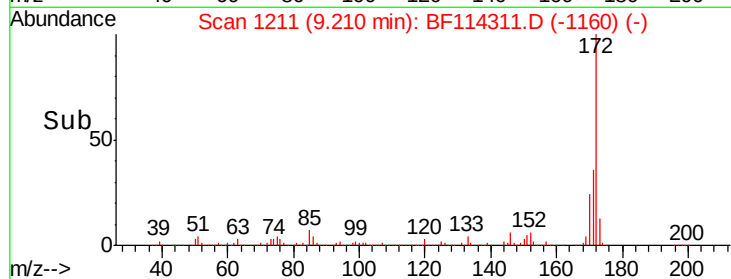
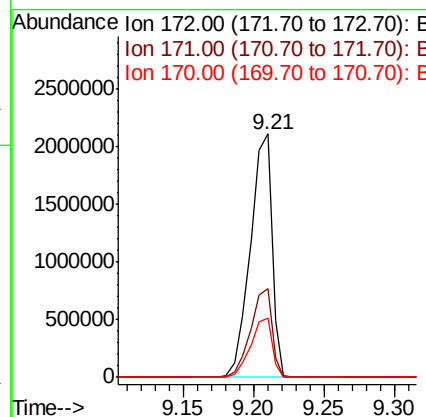
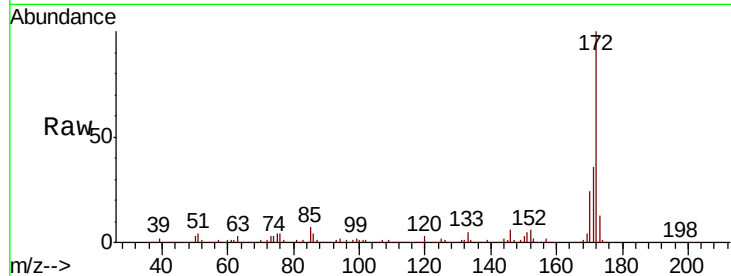
#45
2-Fluorobiphenyl
Concen: 73.929 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.7	46.1
170	24.5	20.5	30.7

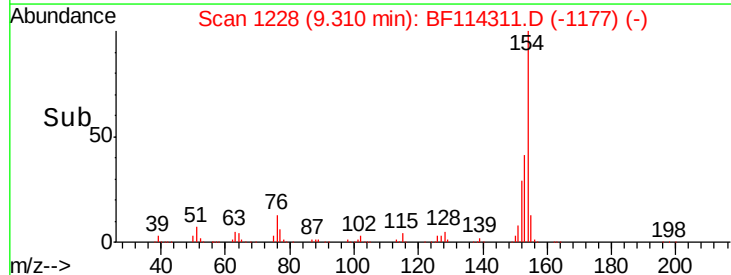
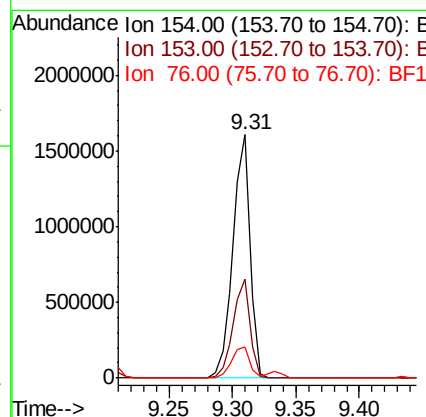
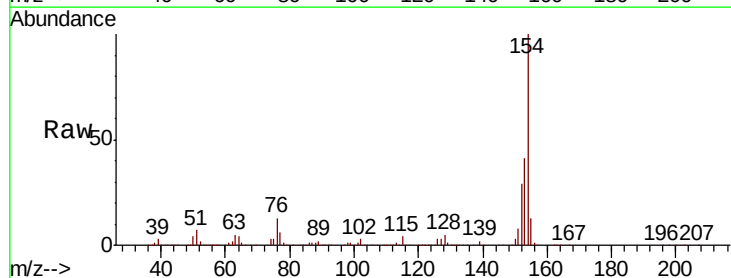
Manual Integrations
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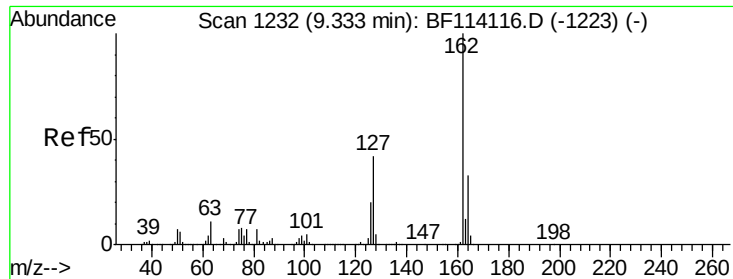
mohammad
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#46
1,1'-Biphenyl
Concen: 39.752 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.9	61.9
76	12.9	0.0	32.8





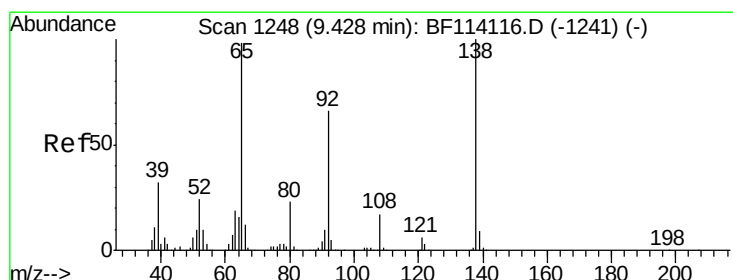
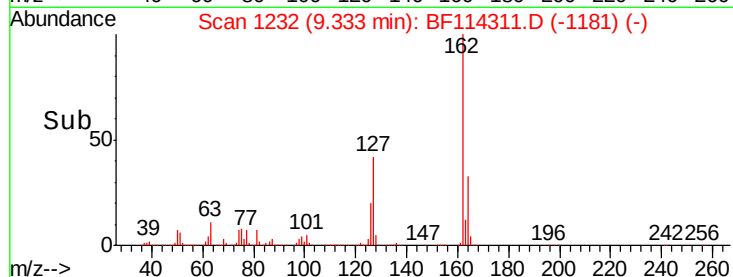
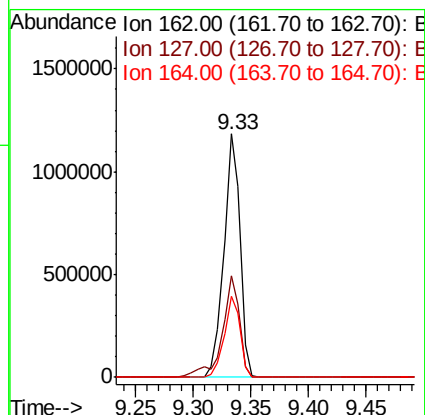
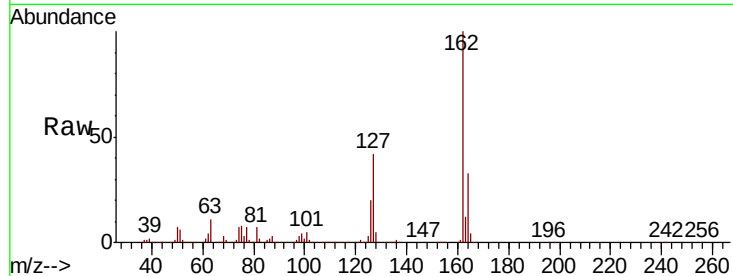
#47
2-Chloronaphthalene
Concen: 37.760 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.0	51.0
164	33.4	26.7	40.1

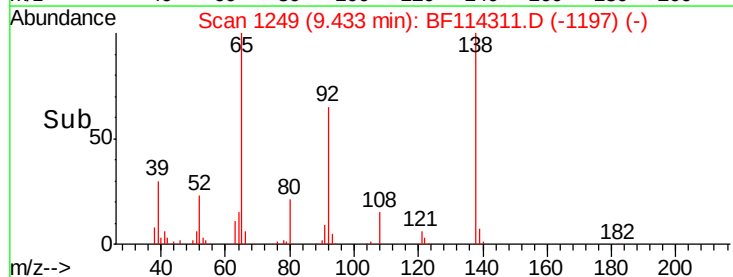
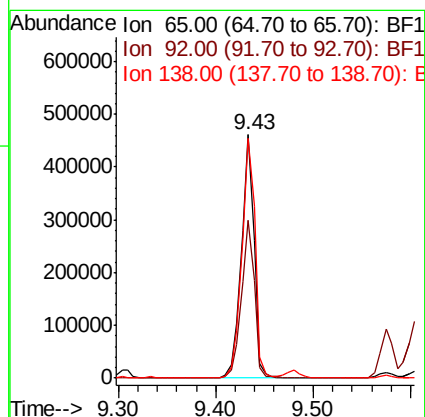
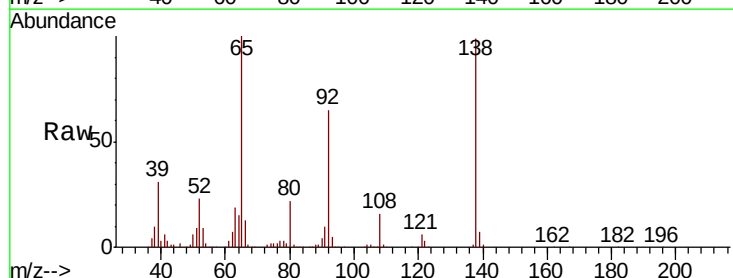
Manual Integrations
APPROVED

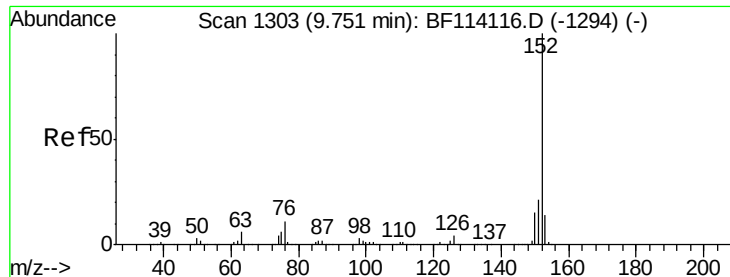
mohammad
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#48
2-Nitroaniline
Concen: 38.794 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.7	53.9	80.9
138	98.6	81.4	122.0





#49

Acenaphthylene

Concen: 39.415 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:152 Resp: 1819136

Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

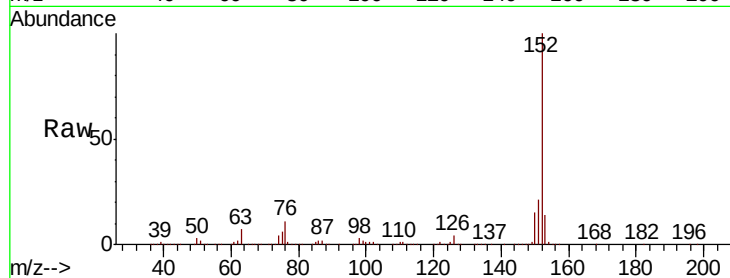
153 13.7 11.4 17.2

Manual Integrations

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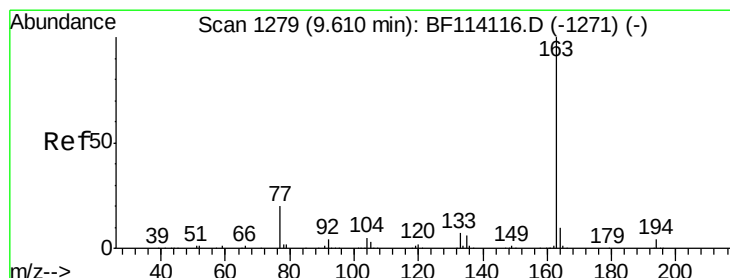
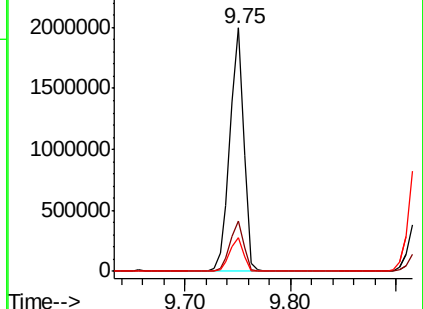
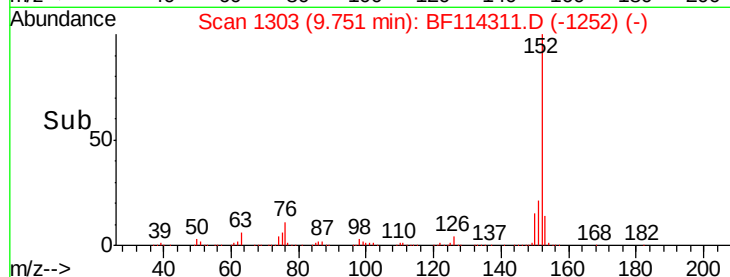
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.983 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

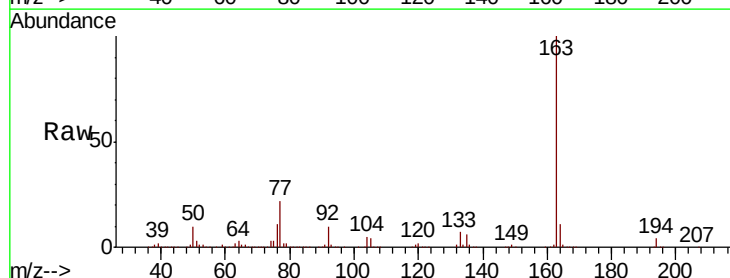
Tgt Ion:163 Resp: 1369949

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

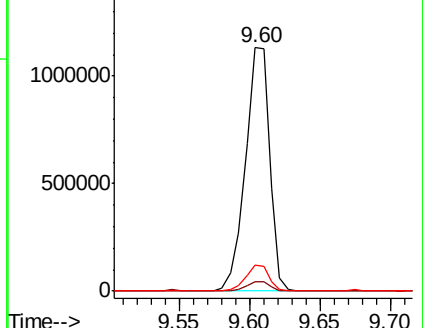
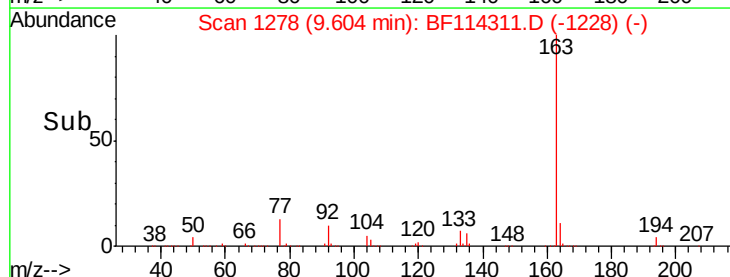
164 10.7 8.2 12.2

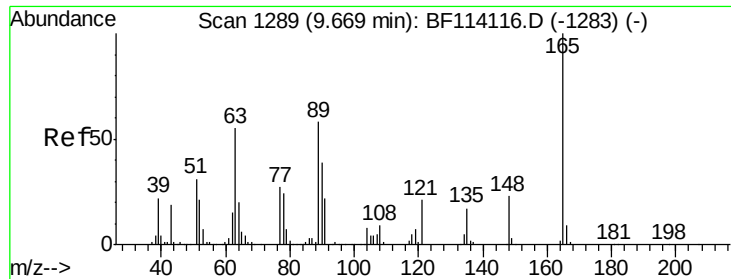


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





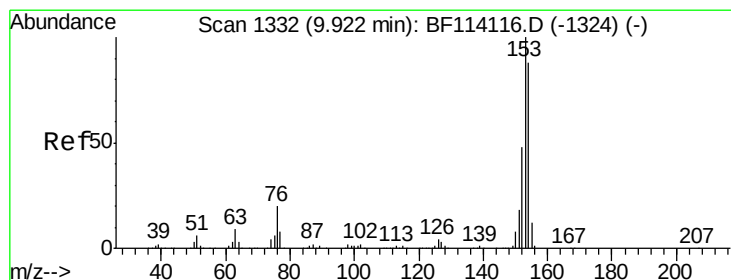
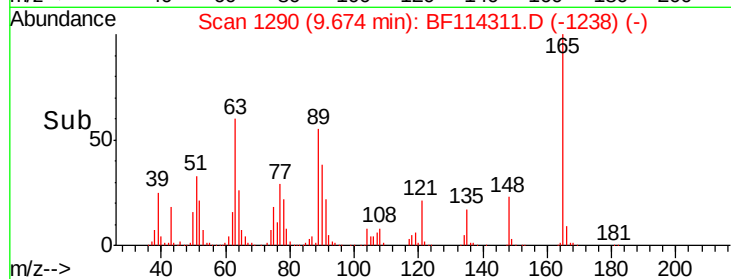
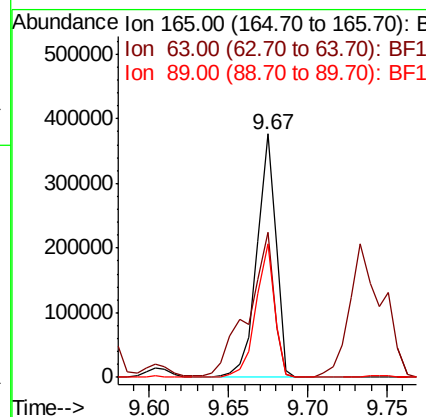
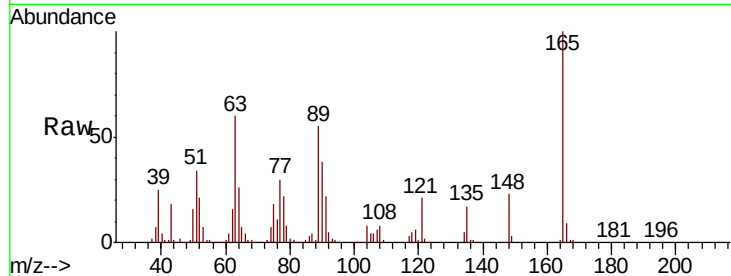
#51
 2,6-Dinitrotoluene
 Concen: 41.495 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.7	50.2	75.4
89	55.1	46.6	69.8

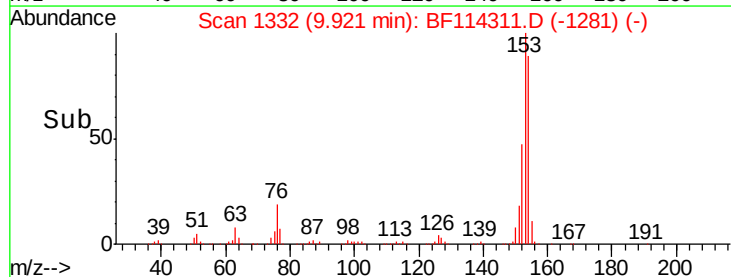
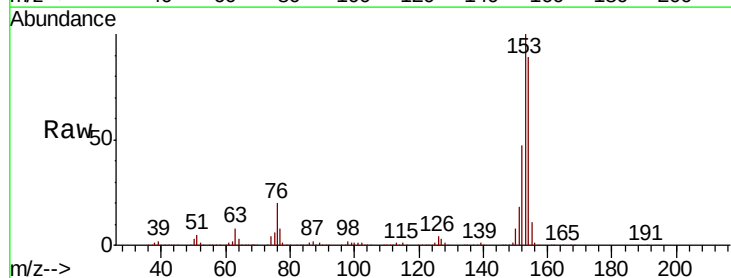
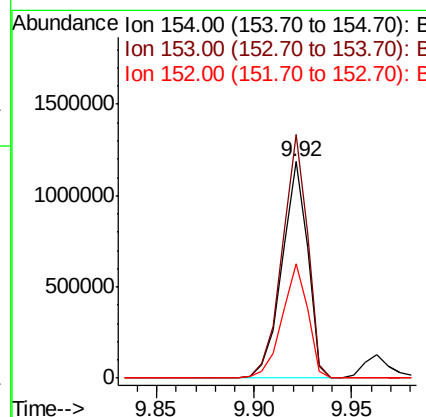
Manual Integrations
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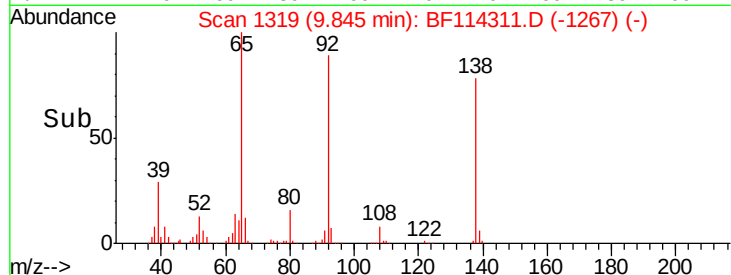
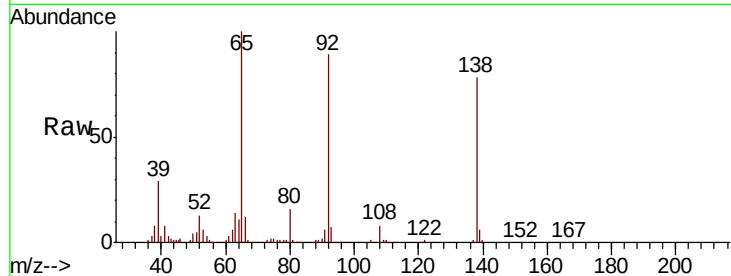
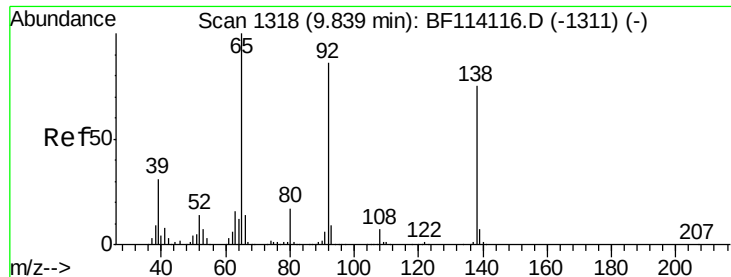
mohammad
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#52
 Acenaphthene
 Concen: 38.204 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.5	135.7
152	52.9	43.4	65.2





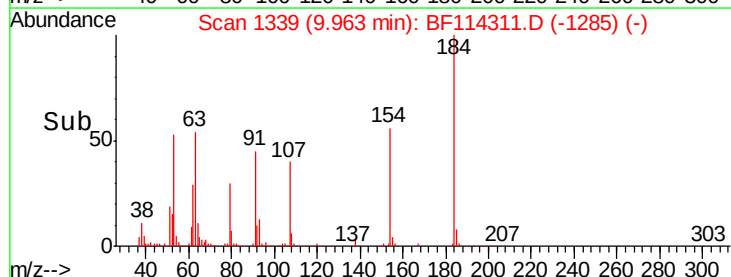
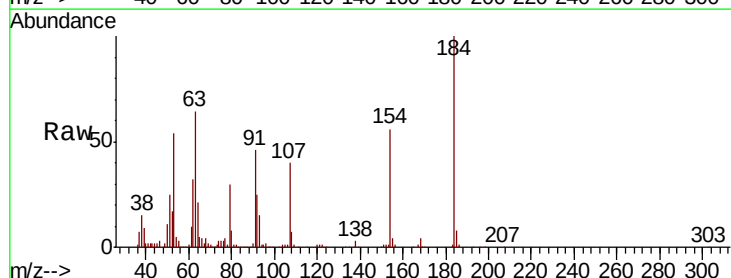
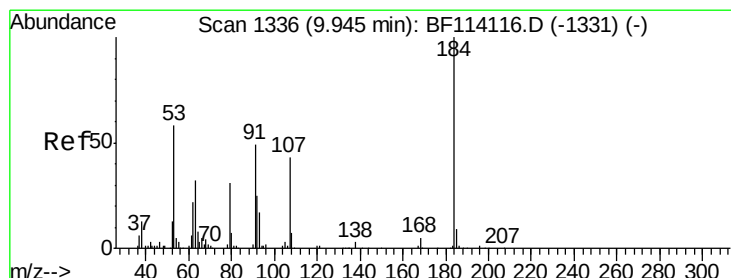
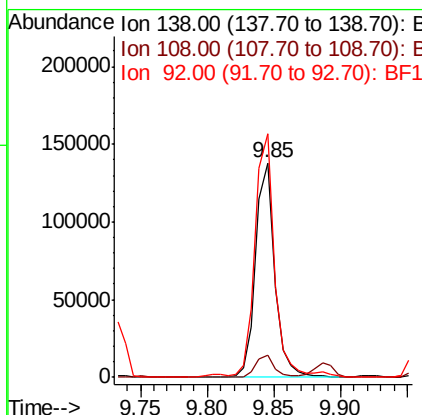
#53
3-Nitroaniline
Concen: 14.417 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tot Ion	Ratio	Resp	Lower	Upper
138	100	136009		
108	10.3	7.8	11.6	
92	113.5	91.2	136.8	

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

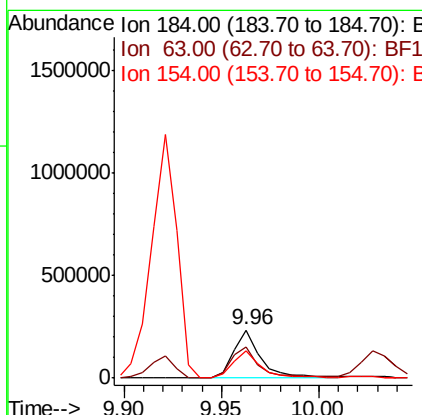
Manual Integrations
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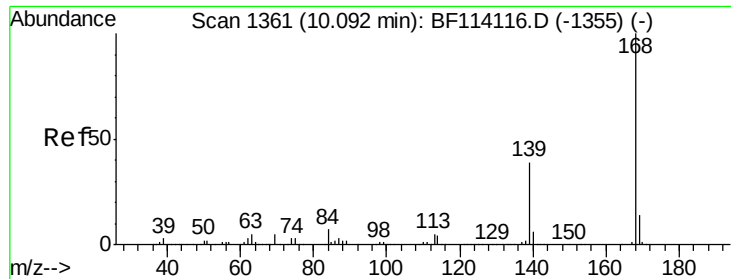
mohammad
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#54
2,4-Dinitrophenol
Concen: 61.572 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	228801		
63	63.6	55.6	83.4	
154	55.8	46.0	69.0	





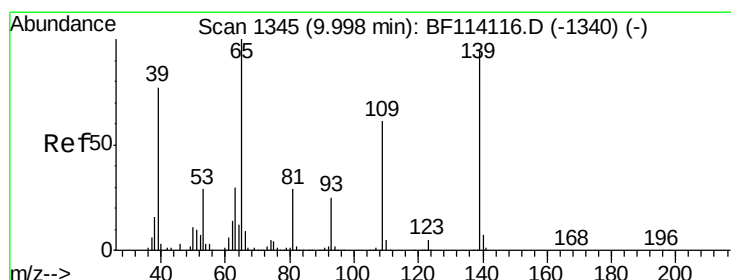
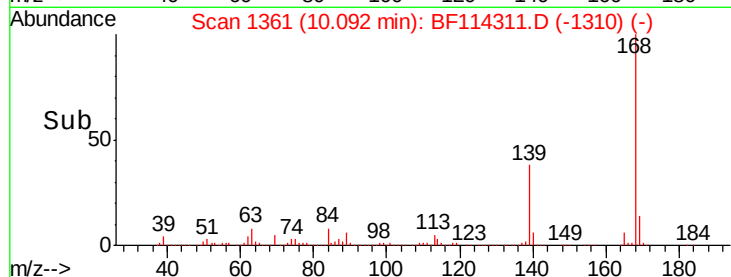
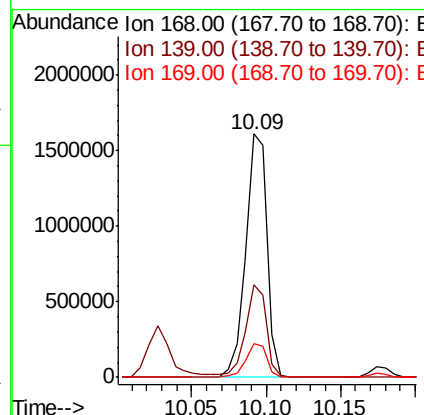
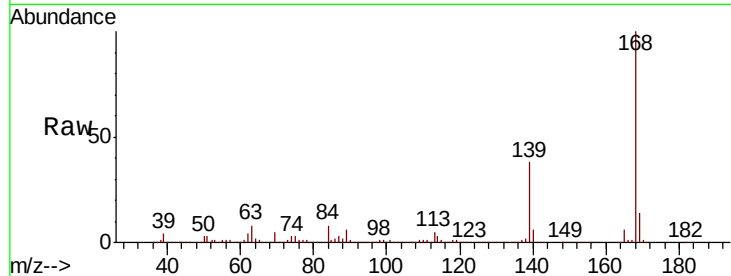
#55
Dibenzofuran
Concen: 38.262 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.1	46.7
169	14.1	11.4	17.0

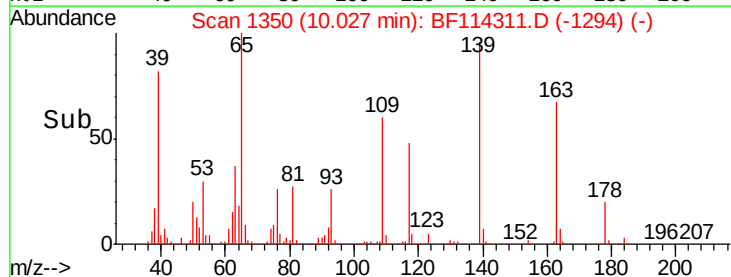
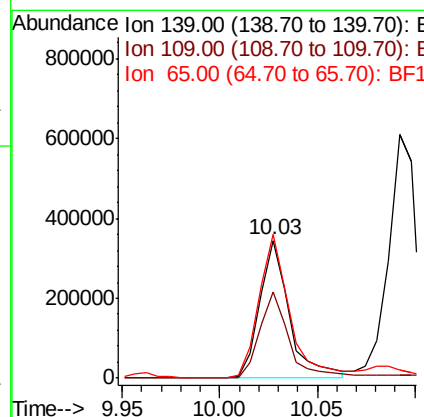
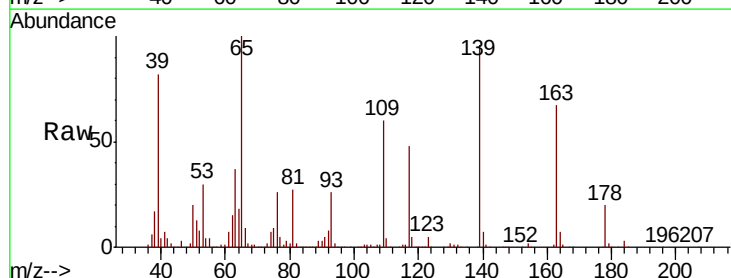
Manual Integrations
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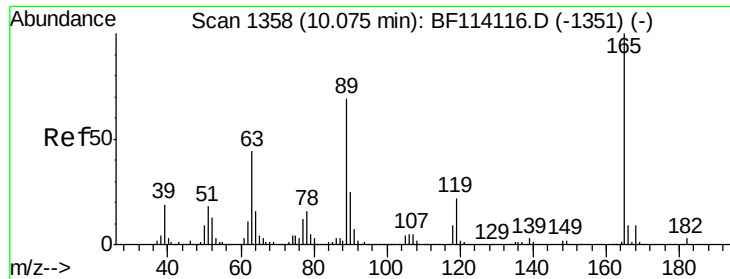
mohammad
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#56
4-Nitrophenol
Concen: 54.603 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.03 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.8	43.9	83.9
65	104.6	85.7	125.7





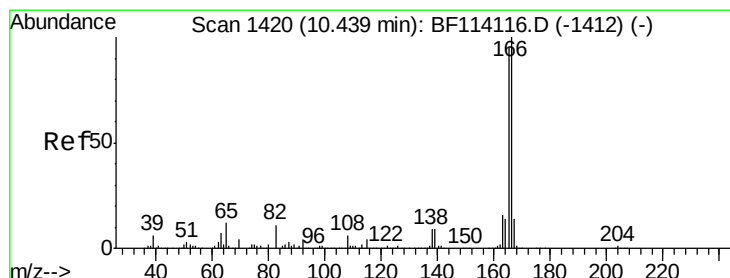
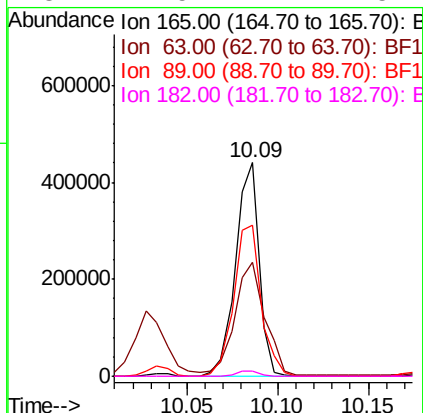
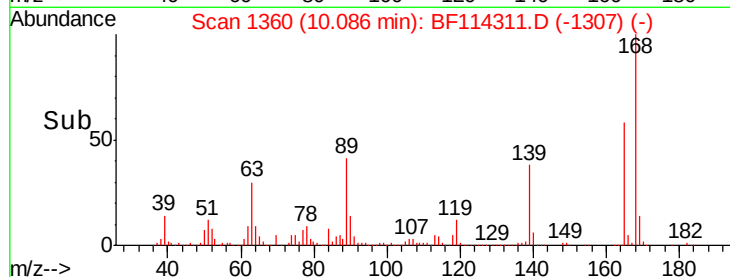
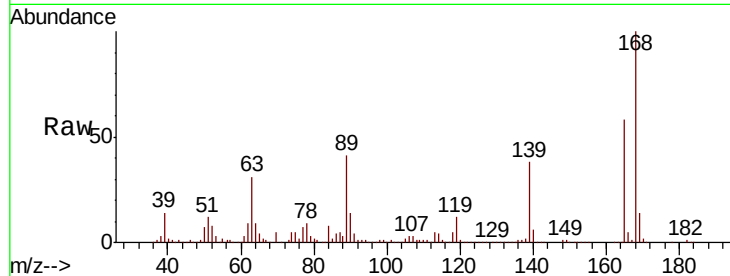
#57
2,4-Dinitrotoluene
Concen: 38.740 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	399596		
63	53.1		35.5	53.3
89	70.7		55.2	82.8
182	2.5		2.2	3.2

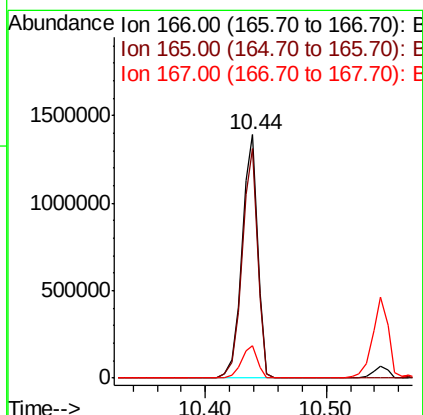
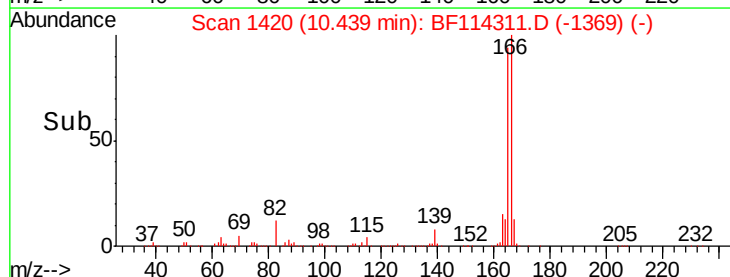
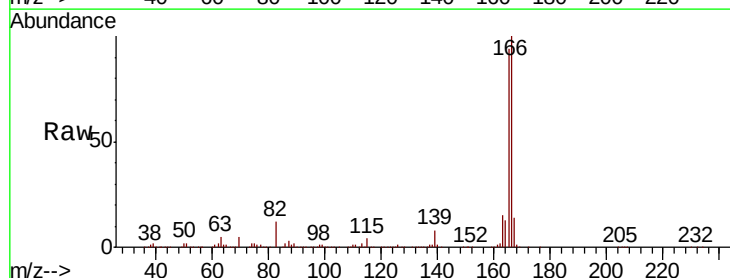
Manual Integrations
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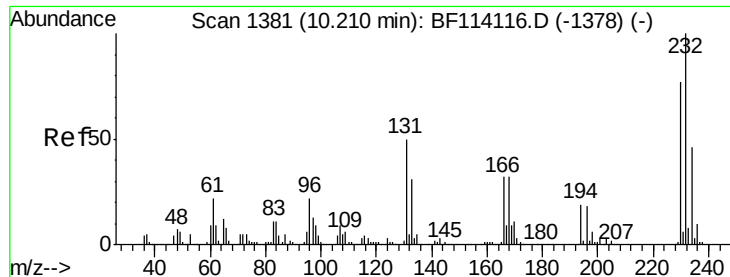
mohammad
5/17/2019 3:04:12 PM



#58
Fluorene
Concen: 39.394 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1263687		
165	94.1		76.1	114.1
167	13.5		11.1	16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 38.595 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:232 Resp: 332129
Ion Ratio Lower Upper

232 100

131 44.5 35.6 53.4

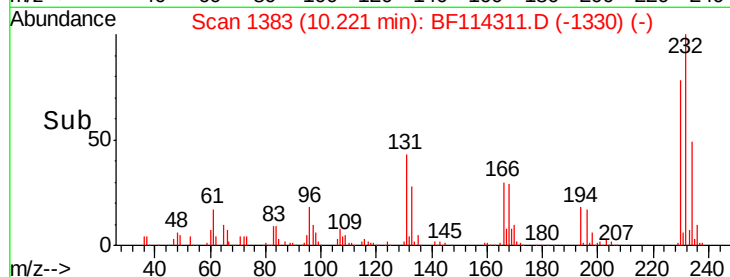
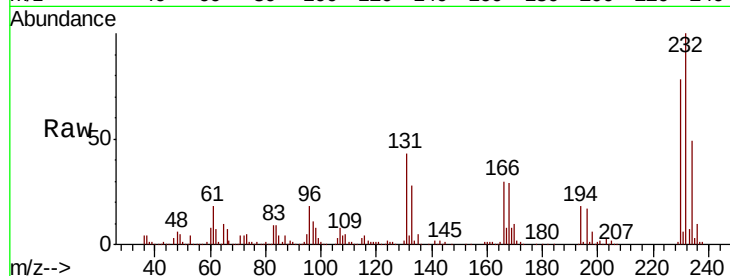
130 2.4 1.6 2.4

166 29.9 24.1 36.1

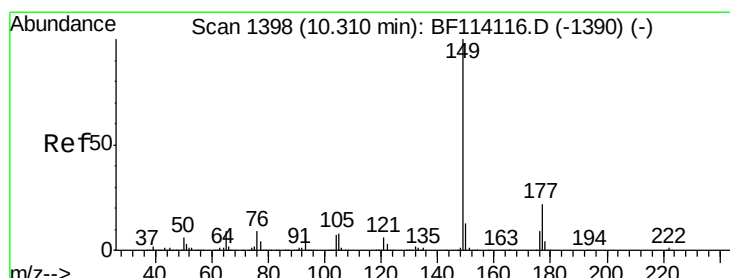
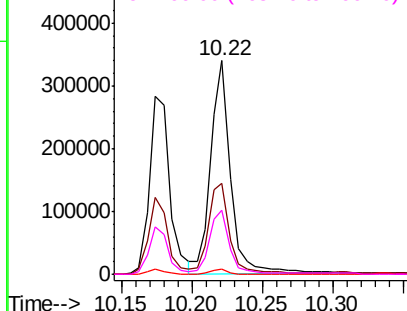
Manual Integrations
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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 38.973 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF114311.D

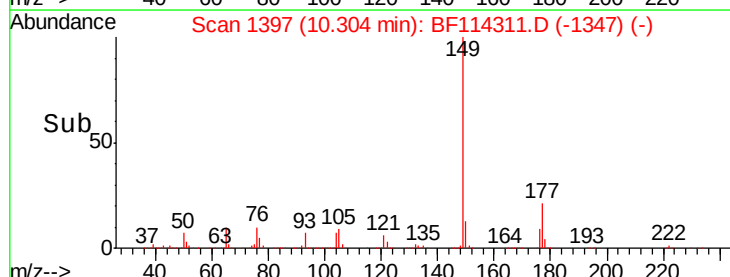
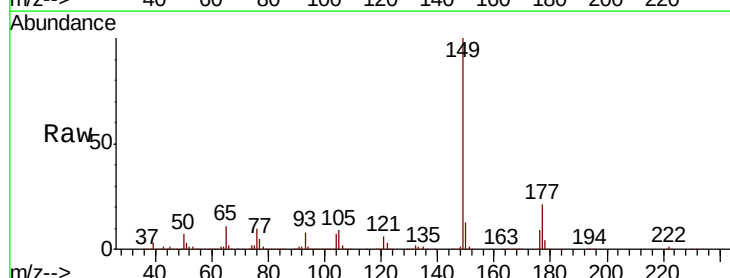
Acq: 16 May 2019 16:14

Tgt Ion:149 Resp: 1356774
Ion Ratio Lower Upper

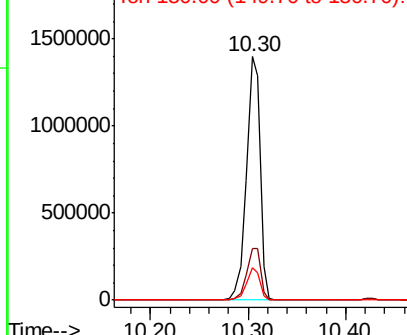
149 100

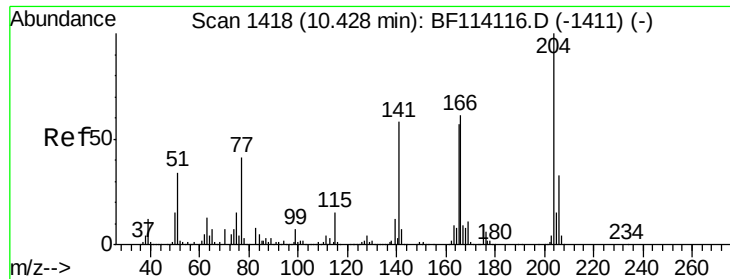
177 21.3 17.8 26.6

150 13.3 10.2 15.2



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





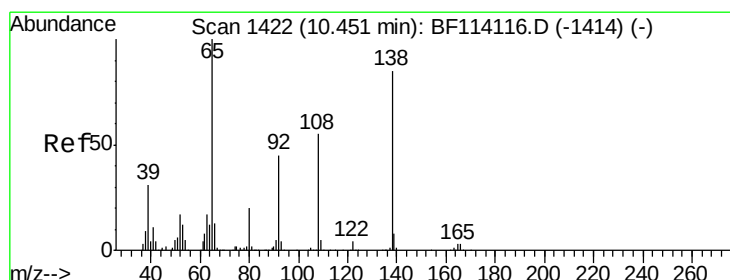
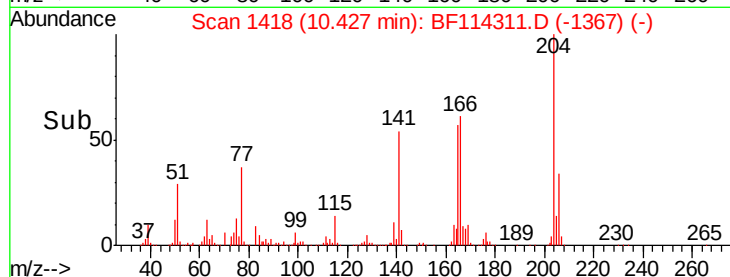
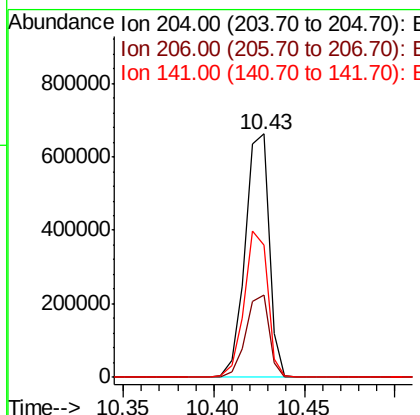
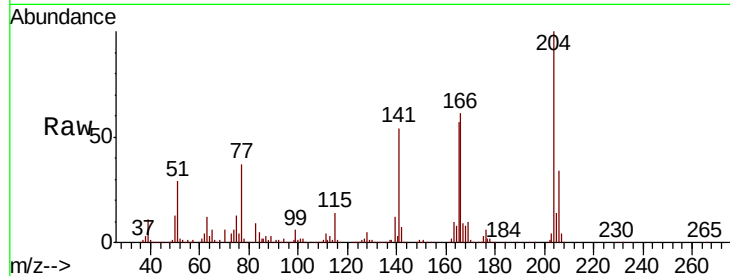
#61
4-Chlorophenyl-phenylether
Concen: 38.596 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.6	39.8
141	54.5	46.4	69.6

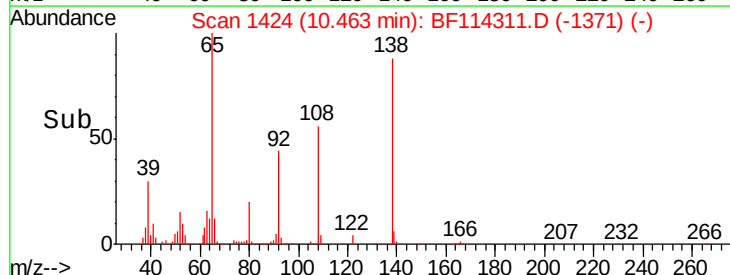
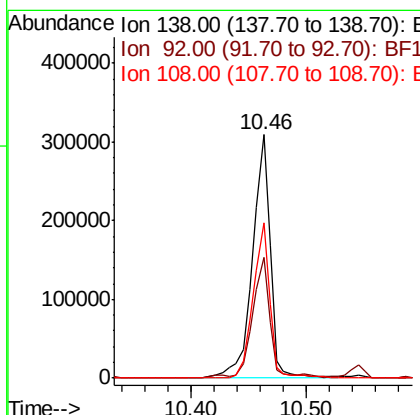
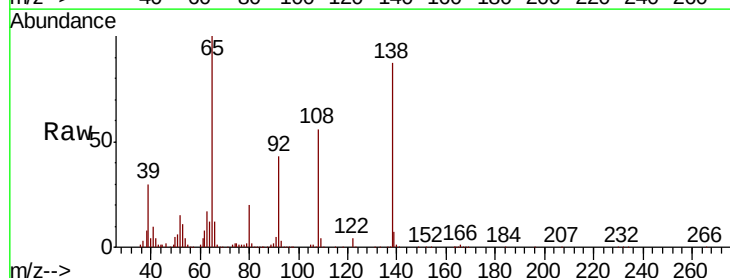
Manual Integrations
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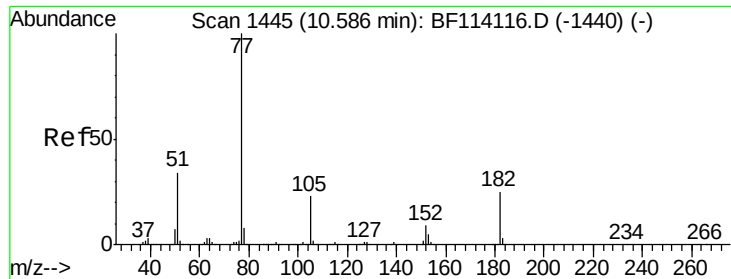
mohammad
5/17/2019 3:04:12 PM



#62
4-Nitroaniline
Concen: 33.669 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.5	33.0	73.0
108	63.5	44.9	84.9





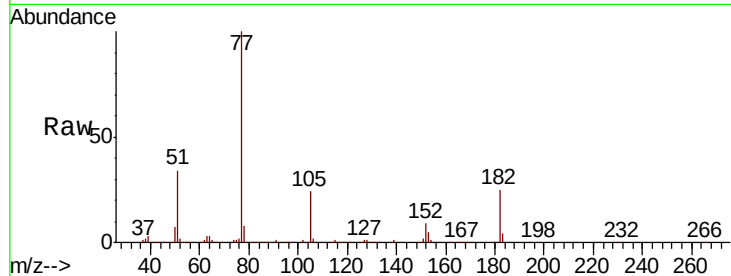
#63
Azobenzene
Concen: 39.482 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.7	44.7
105	23.6	2.9	42.9
51	34.1	14.6	54.6

Manual Integrations
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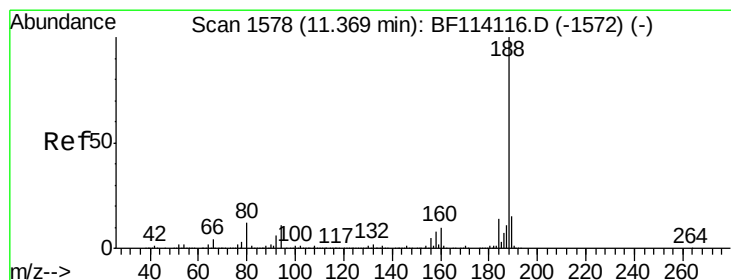
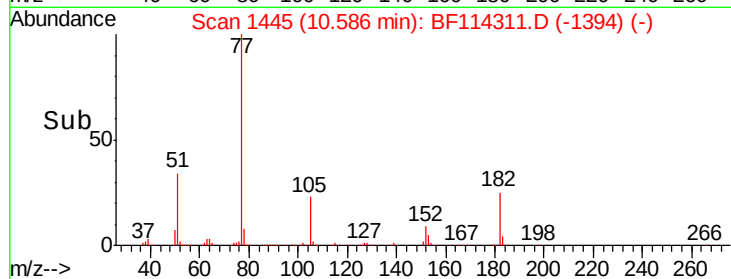
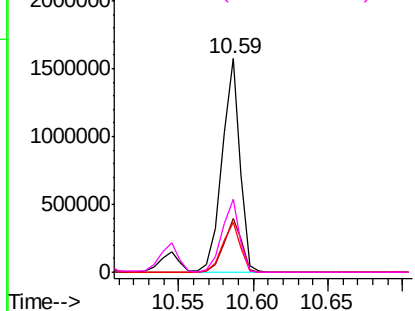
Abundance

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: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

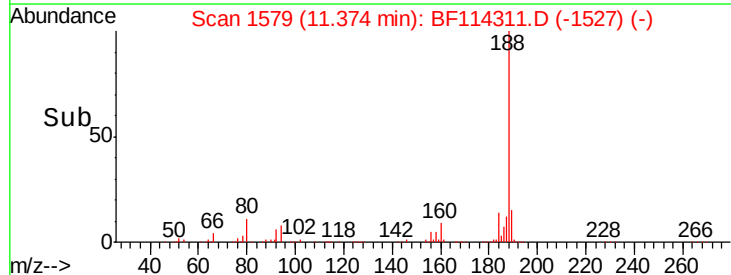
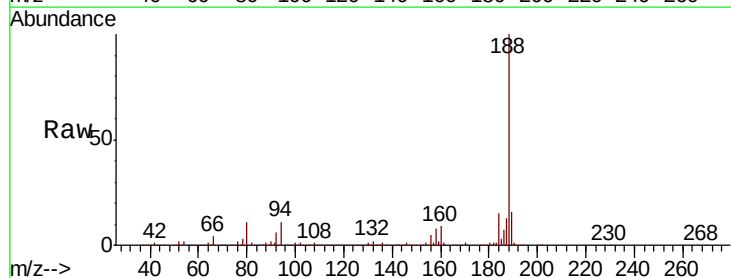
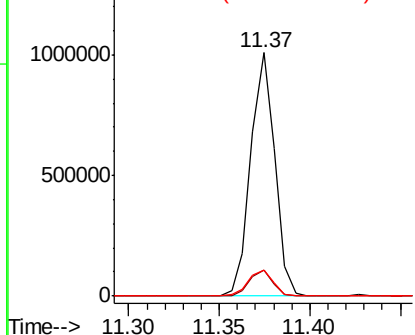
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.4	12.6
80	10.9	9.2	13.8

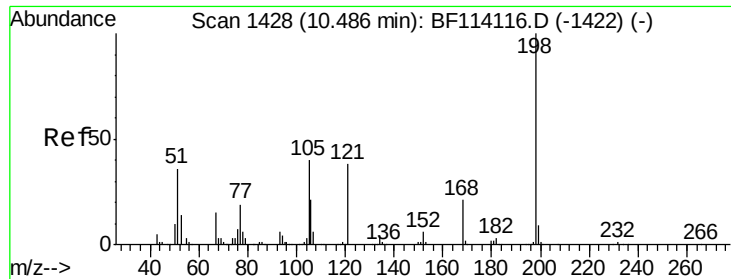
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





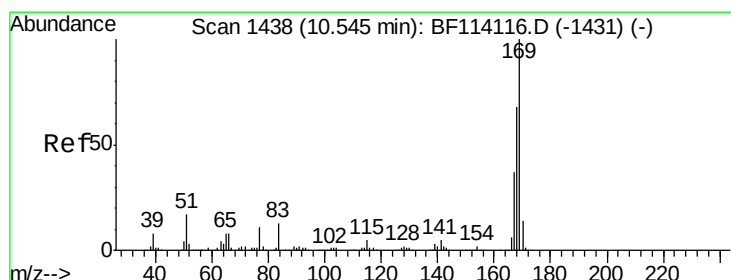
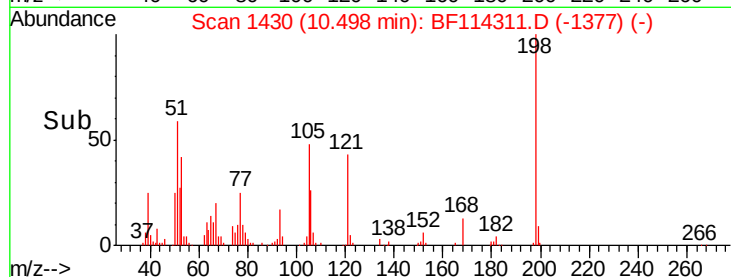
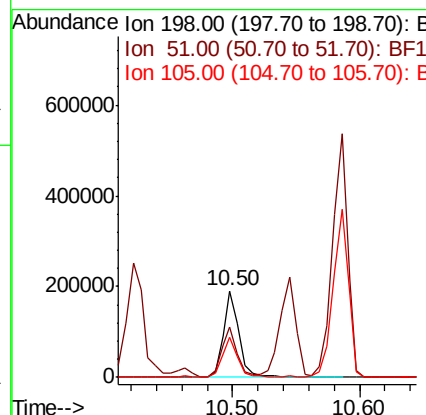
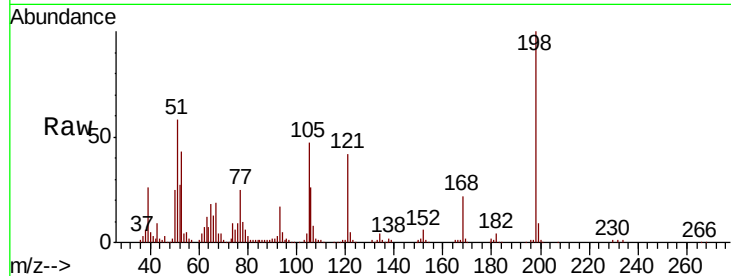
#65
4,6-Dinitro-2-methylphenol
Concen: 37.004 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	166123		
51	58.3	28.0	68.0	
105	46.9	21.1	61.1	

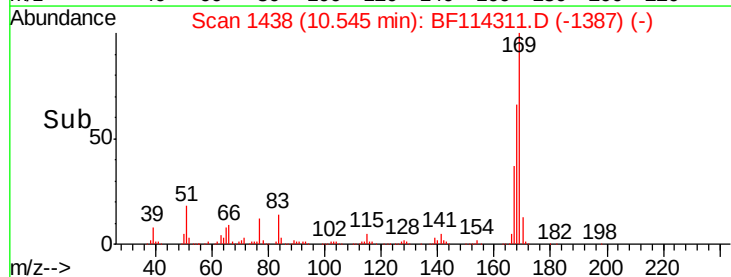
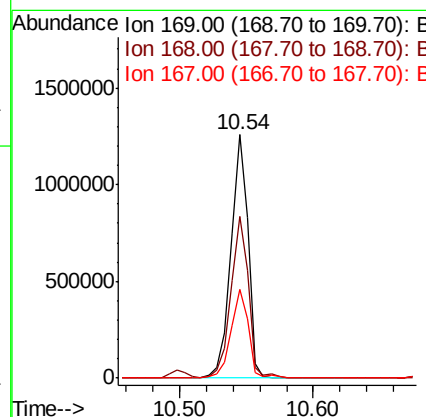
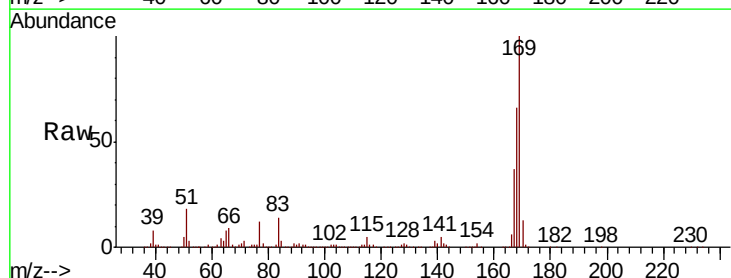
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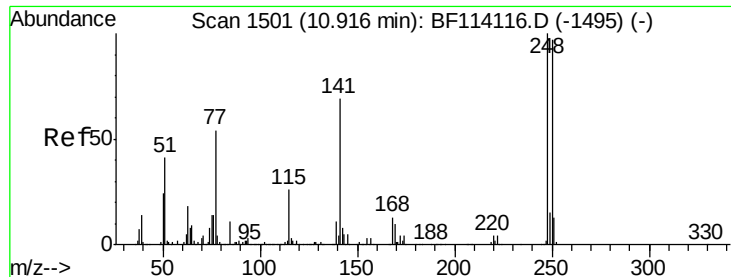
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 40.219 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1140435		
168	66.3	54.2	81.2	
167	36.6	29.8	44.8	





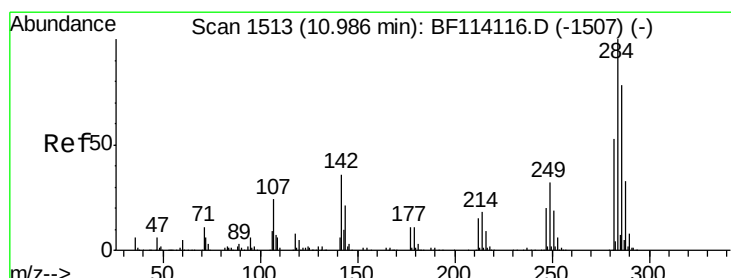
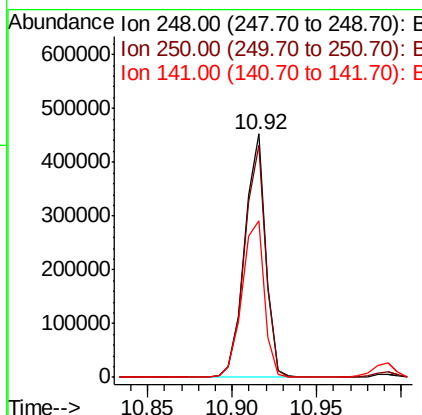
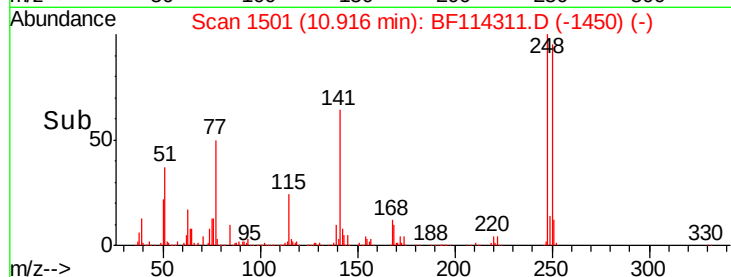
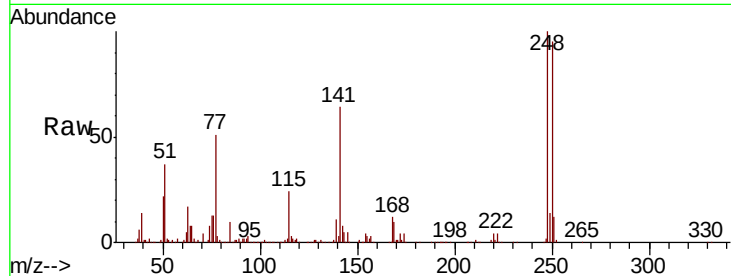
#67
 4-Bromophenyl-phenylether
 Concen: 38.254 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.3	77.4	116.2
141	64.3	55.6	83.4

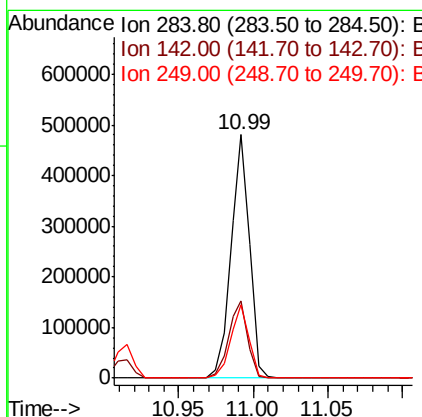
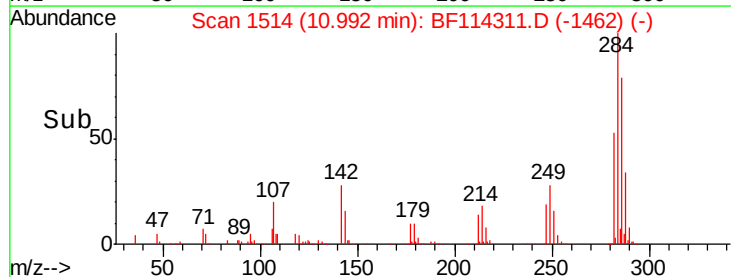
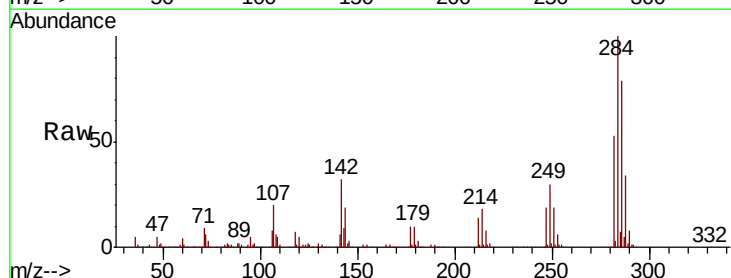
Manual Integrations
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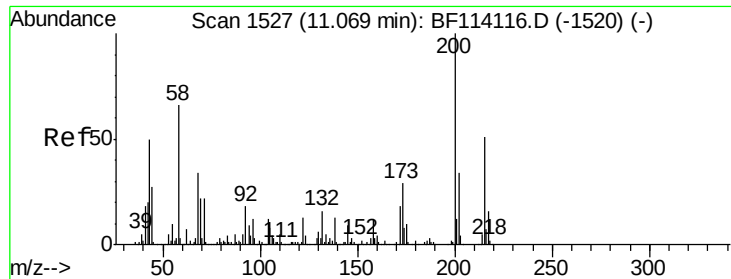
mohammad
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#68
 Hexachlorobenzene
 Concen: 37.028 ng
 RT: 10.99 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.0	28.4	42.6
249	30.1	25.2	37.8





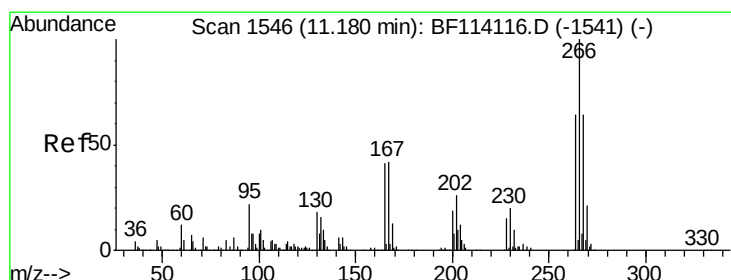
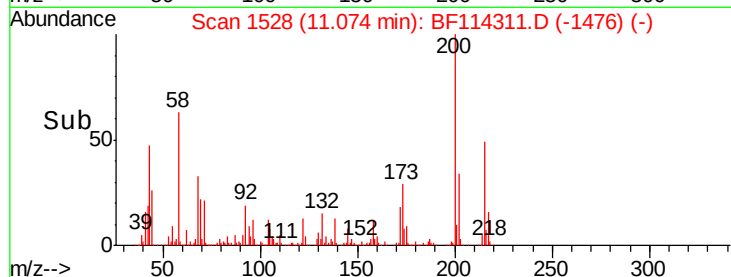
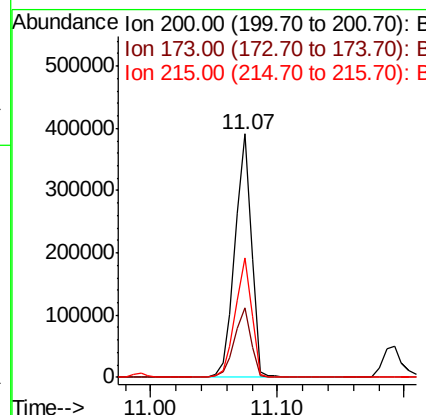
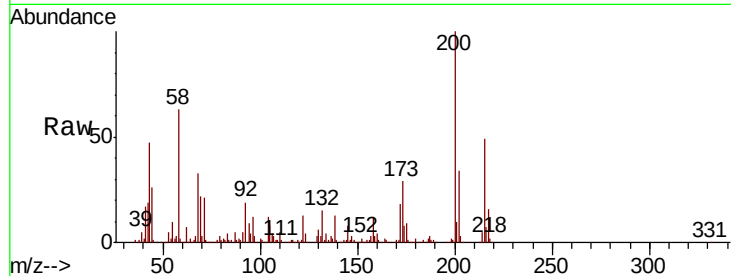
#69
Atrazine
Concen: 39.803 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	351234		
173	28.8	8.9	48.9	
215	48.9	30.7	70.7	

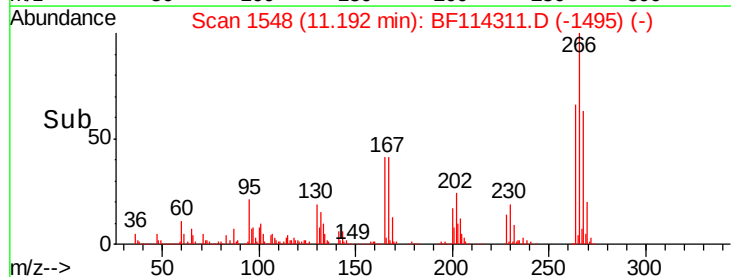
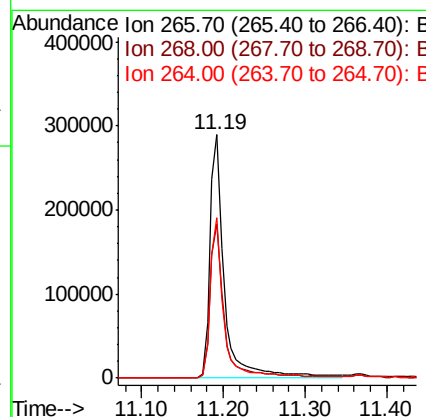
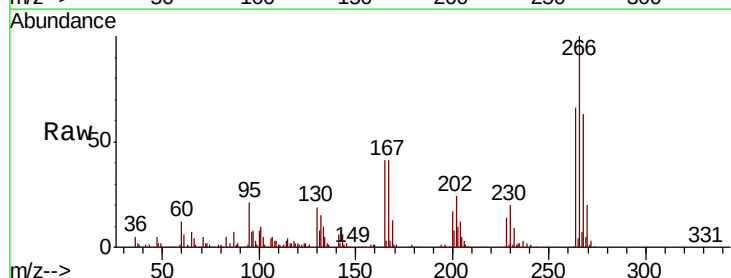
Manual Integrations
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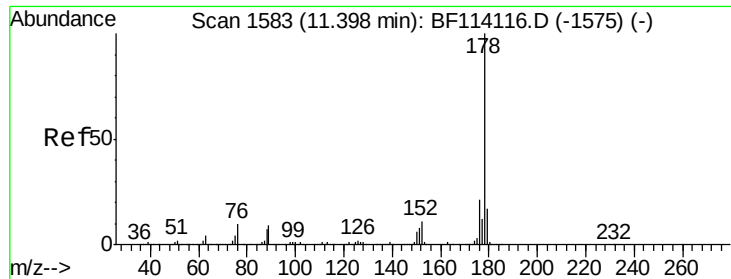
mohammad
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#70
Pentachlorophenol
Concen: 66.630 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	359447		
268	63.3	51.1	76.7	
264	65.9	51.1	76.7	





#71

Phenanthrene

Concen: 39.834 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:178 Resp: 1810641

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

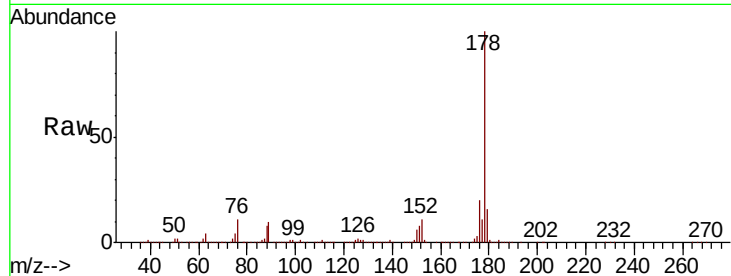
179 15.9 13.2 19.8

Manual Integrations

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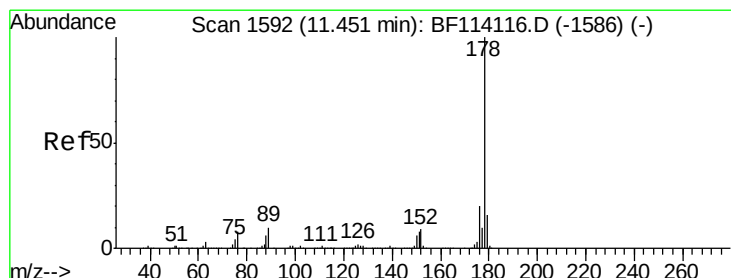
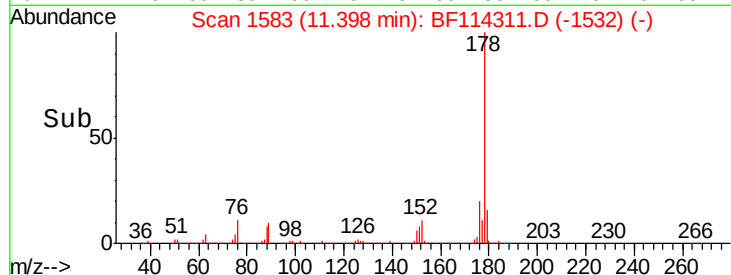
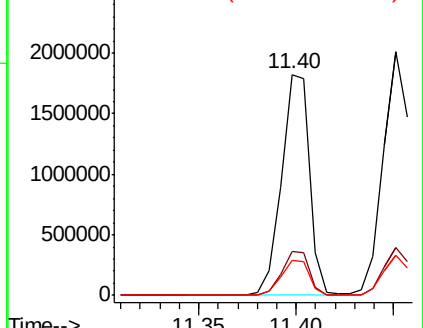
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.457 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:178 Resp: 1892733

Ion Ratio Lower Upper

178 100

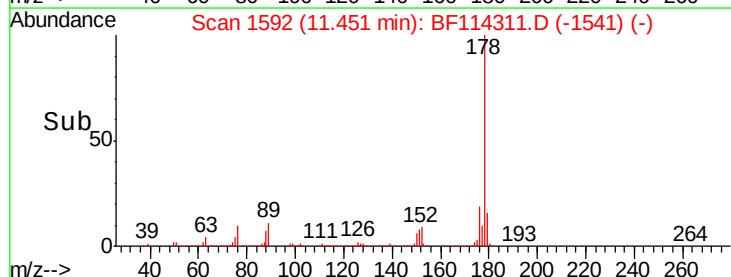
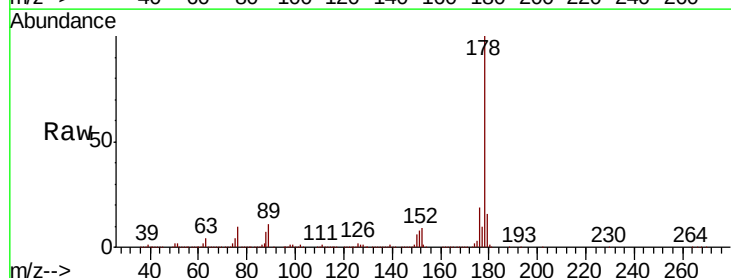
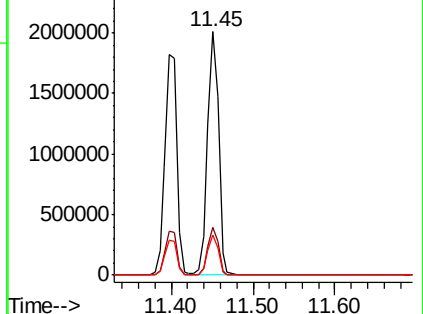
176 19.5 15.8 23.8

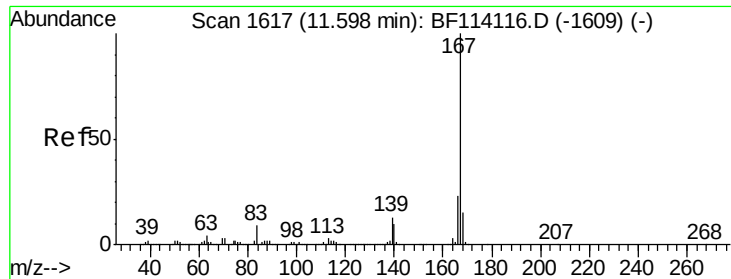
179 16.3 13.0 19.4

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: 40.920 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:167 Resp: 1781492

Ion Ratio Lower Upper

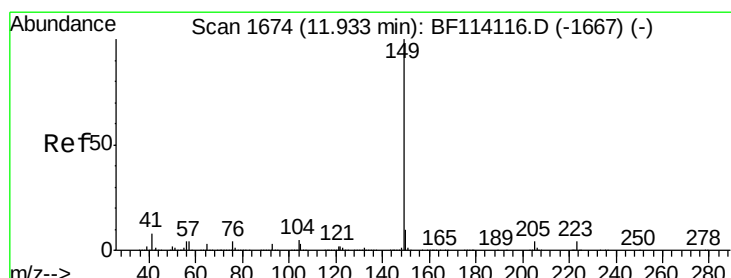
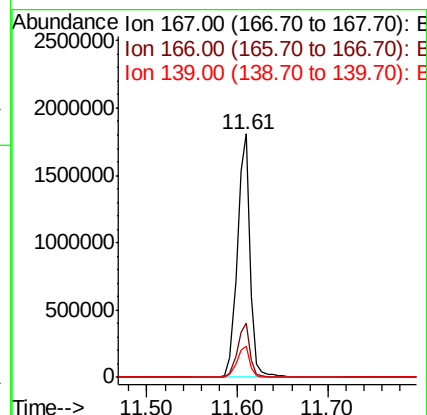
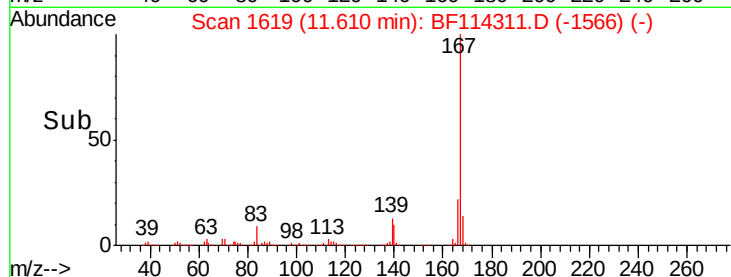
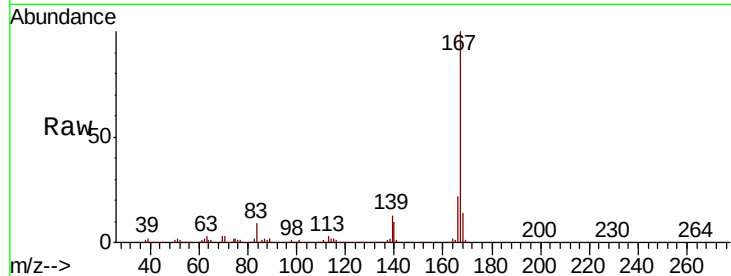
167 100

166 22.3 18.2 27.2

139 12.7 10.6 16.0

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#74

Di-n-butylphthalate

Concen: 42.075 ng

RT: 11.93 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

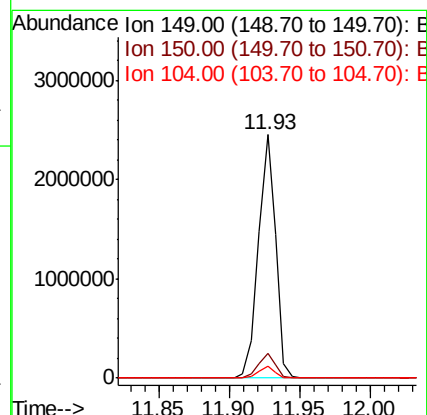
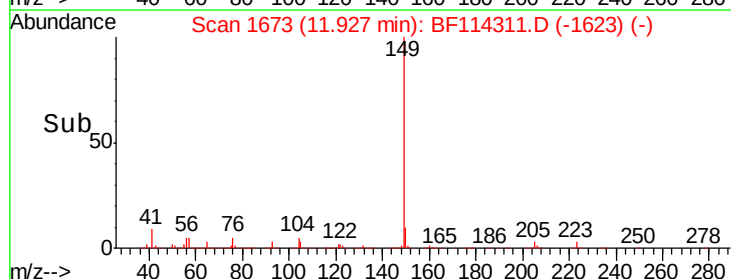
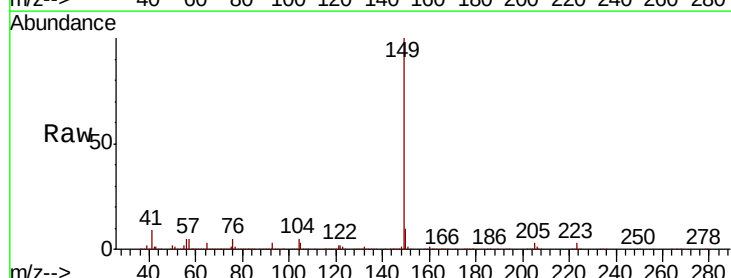
Tgt Ion:149 Resp: 2110370

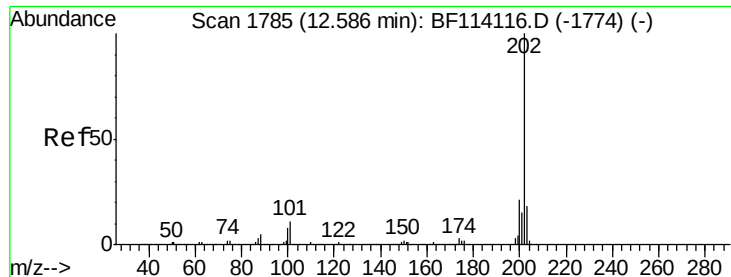
Ion Ratio Lower Upper

149 100

150 9.9 7.7 11.5

104 4.7 3.6 5.4





#75

Fluoranthene

Concen: 39.698 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

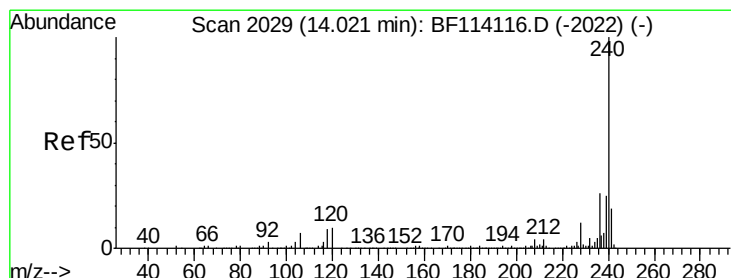
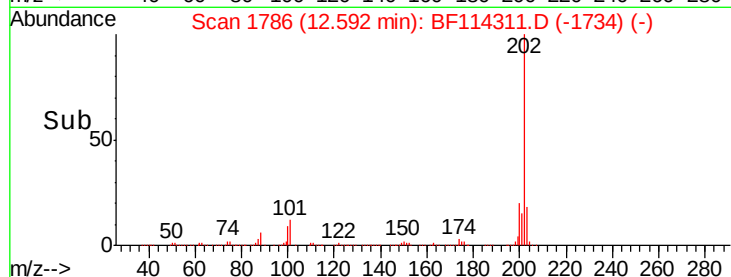
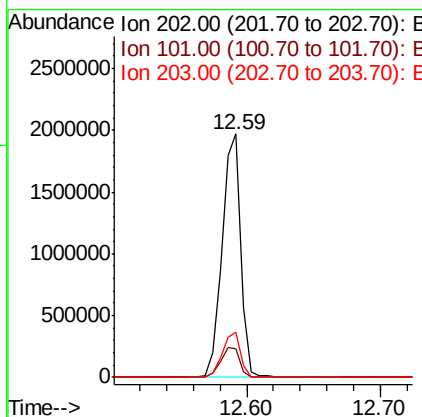
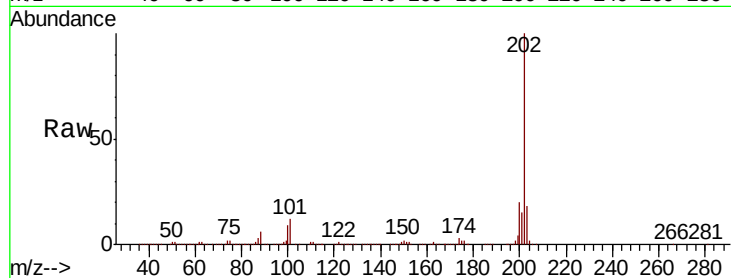
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	202	Resp:	1943142
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.0
203	18.4	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

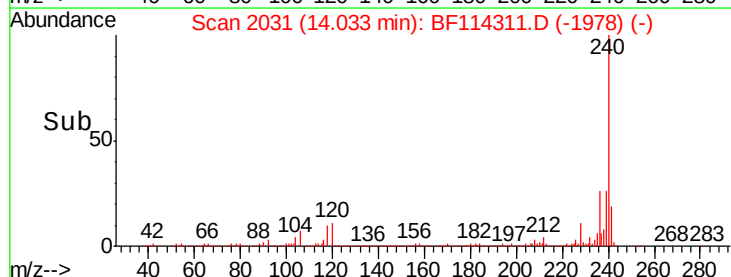
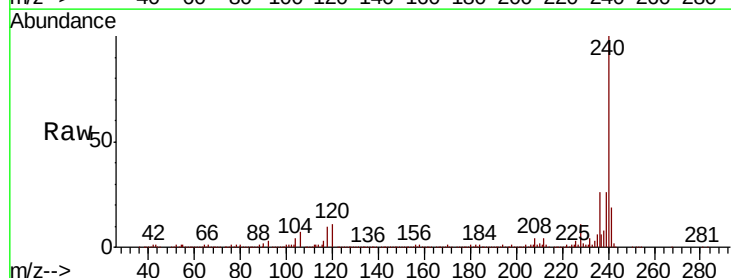
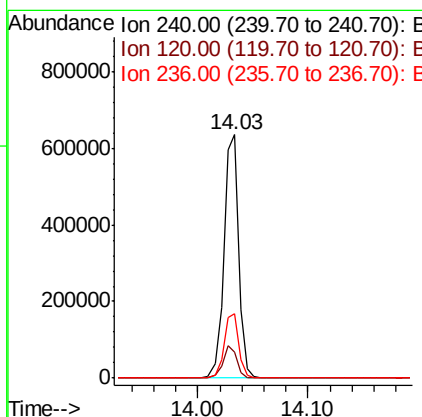
RT: 14.03 min Scan# 2031

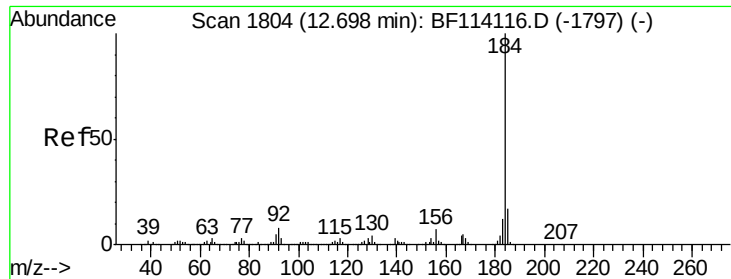
Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:	240	Resp:	591844
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.3	12.5
236	26.3	20.8	31.2





#77

Benzidine

Concen: 7.138 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

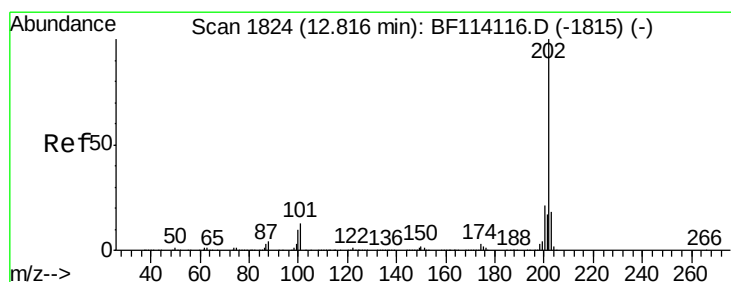
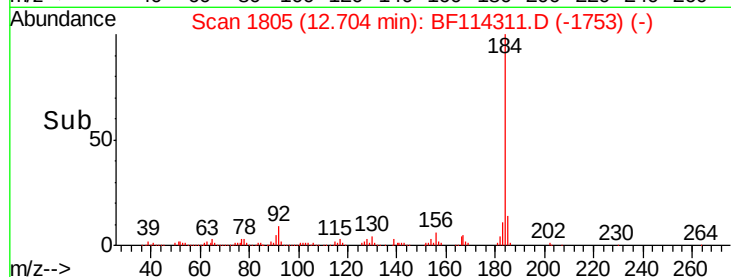
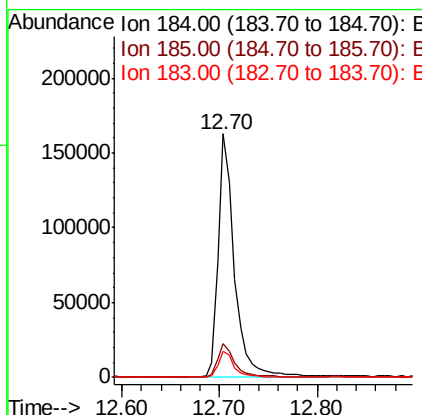
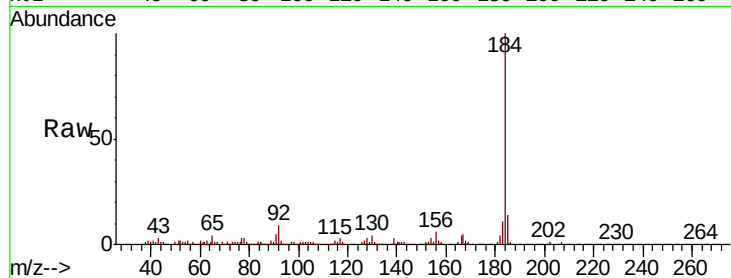
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	184	Resp:	189634
Ion Ratio	Lower	Upper	
184	100		
185	14.0	13.6	20.4
183	10.6	9.2	13.8

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#78

Pyrene

Concen: 40.962 ng

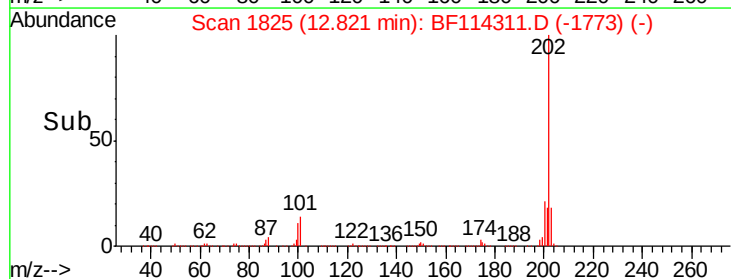
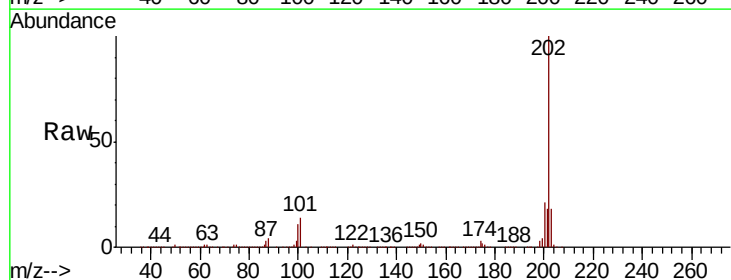
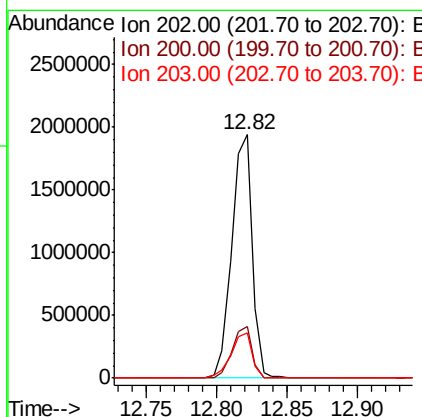
RT: 12.82 min Scan# 1825

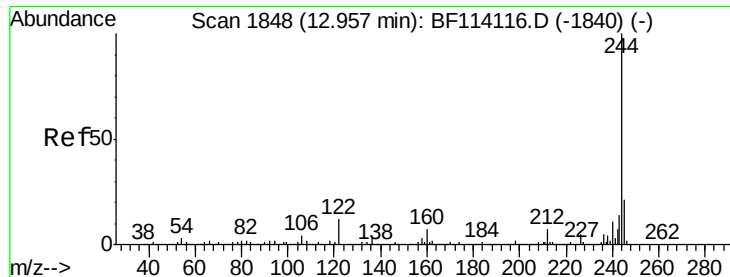
Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:	202	Resp:	1950256
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	18.4	14.5	21.7





#79

Terphenyl-d14

Concen: 78.886 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:244 Resp: 2264840

Ion Ratio Lower Upper

244 100

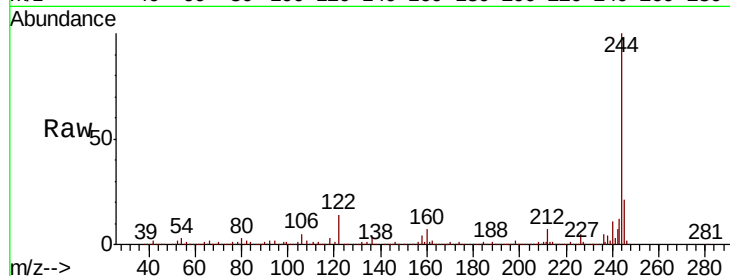
212 7.1 5.8 8.6

122 13.5 9.4 14.2

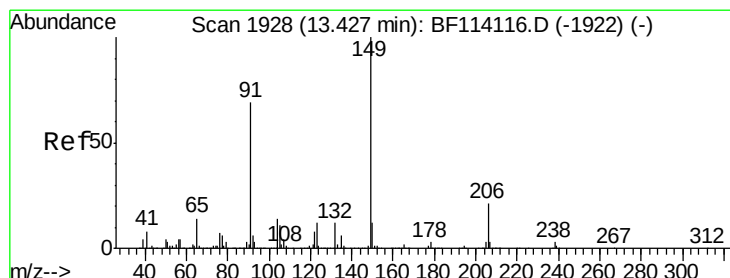
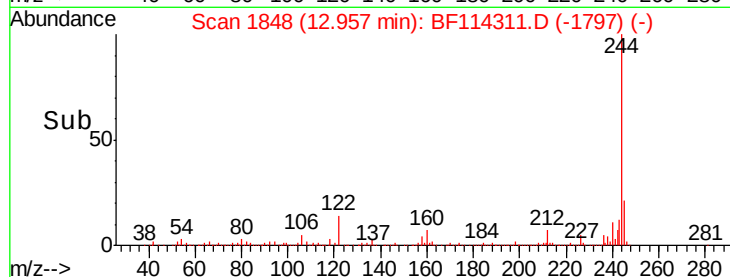
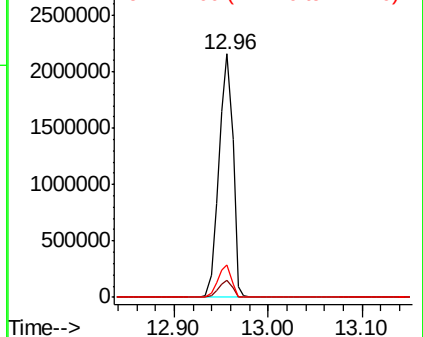
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.678 ng

RT: 13.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

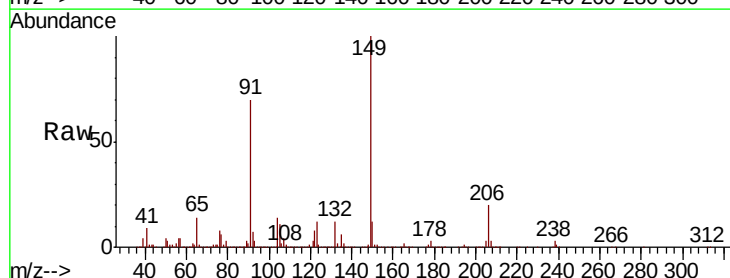
Tgt Ion:149 Resp: 895342

Ion Ratio Lower Upper

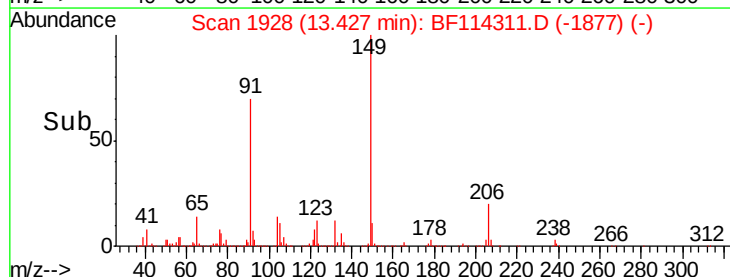
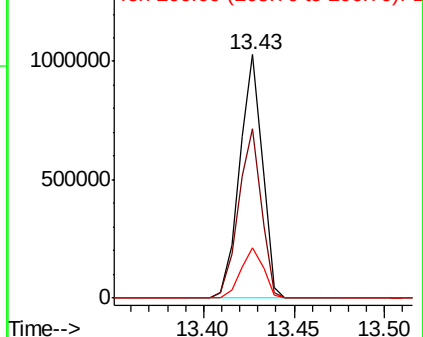
149 100

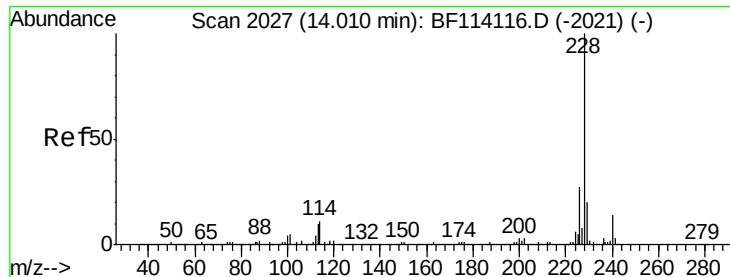
91 69.8 55.0 82.4

206 20.5 16.9 25.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





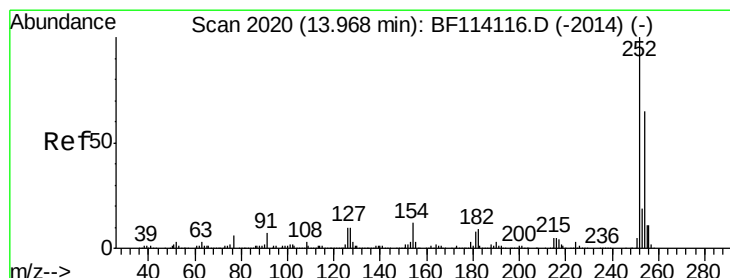
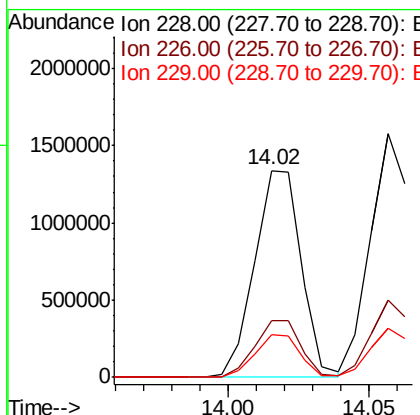
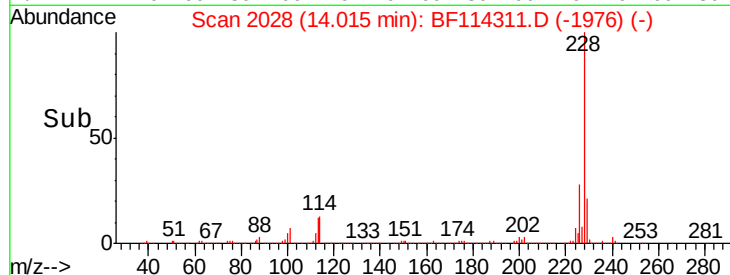
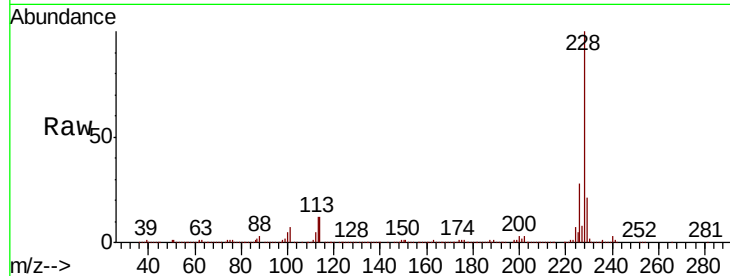
#81
Benzo(a)anthracene
Concen: 40.067 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion:228 Resp: 1533777
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.2
229 20.8 16.4 24.6

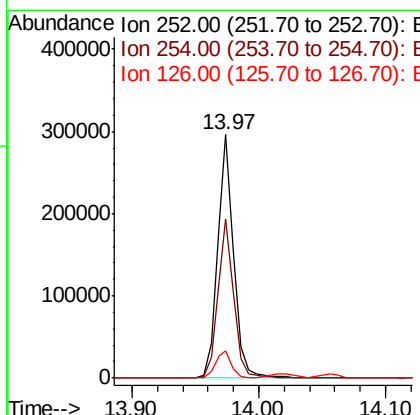
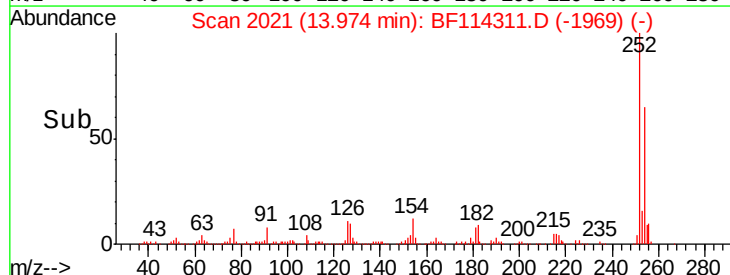
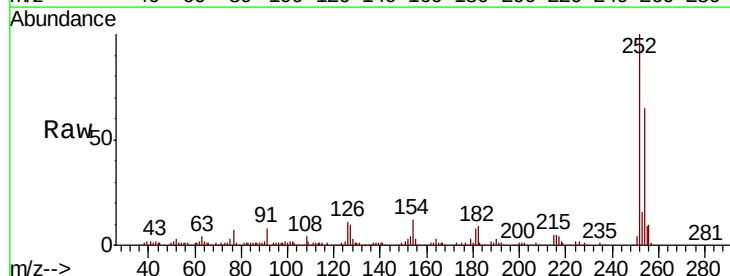
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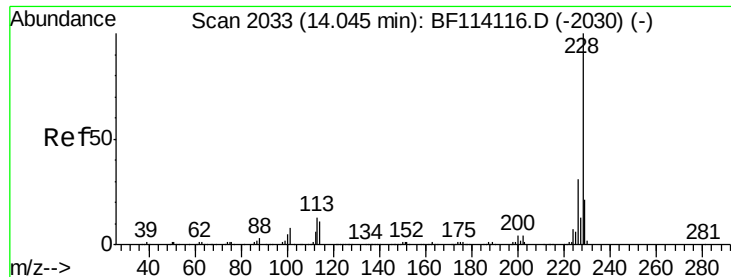
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#82
3,3'-Dichlorobenzidine
Concen: 17.868 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion:252 Resp: 265332
Ion Ratio Lower Upper
252 100
254 65.3 51.9 77.9
126 11.1 7.9 11.9





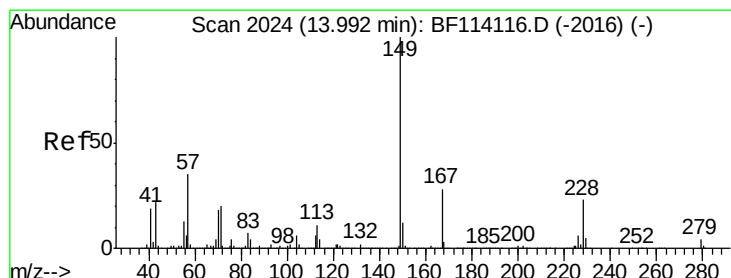
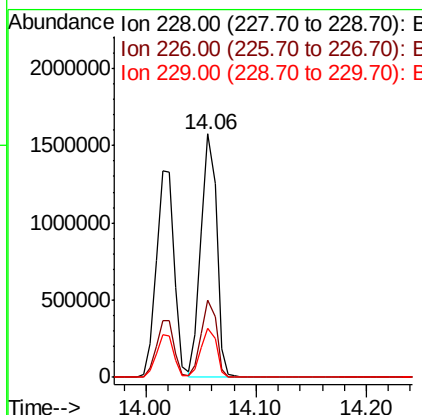
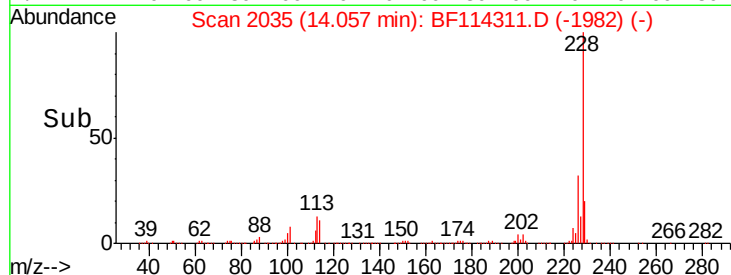
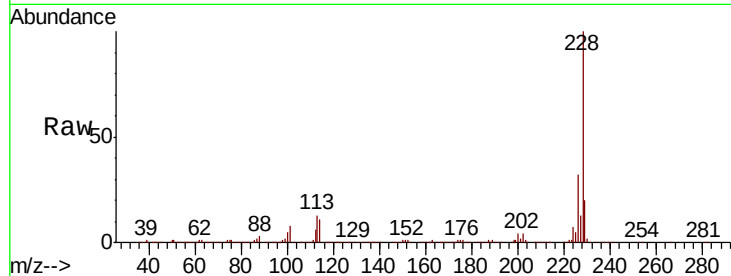
#83
 Chrysene
 Concen: 40.433 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion:228 Resp: 1517272
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.0 37.6
 229 20.2 17.0 25.6

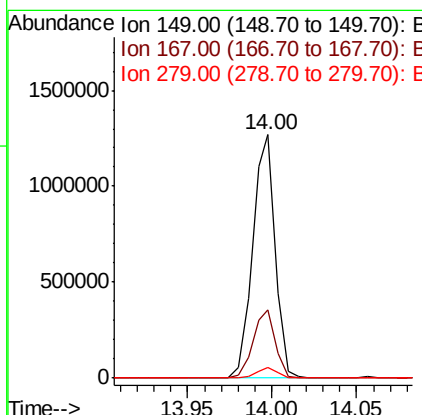
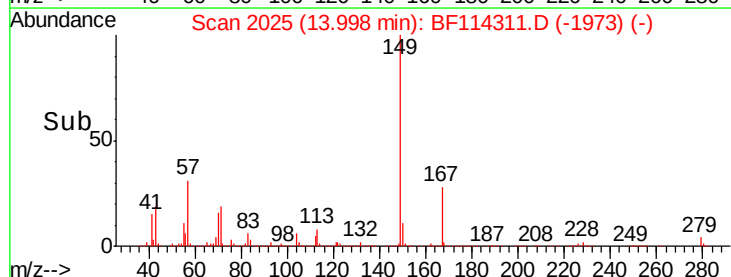
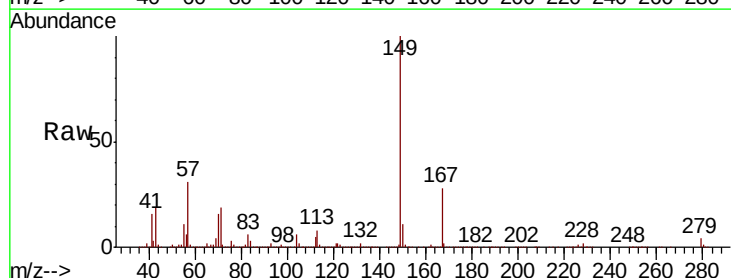
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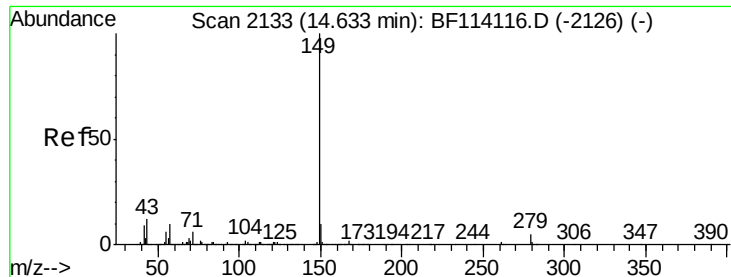
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 45.070 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion:149 Resp: 1181268
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.6 33.8
 279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 43.755 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:149 Resp: 1859018

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

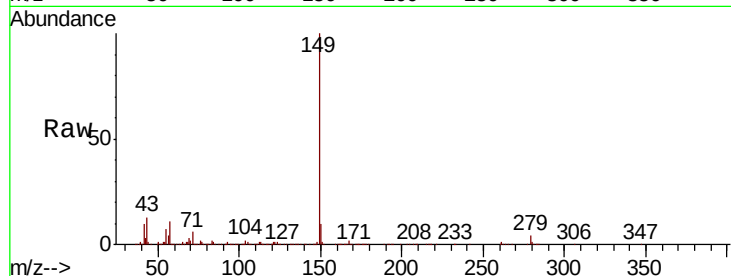
43 12.3 10.1 15.1

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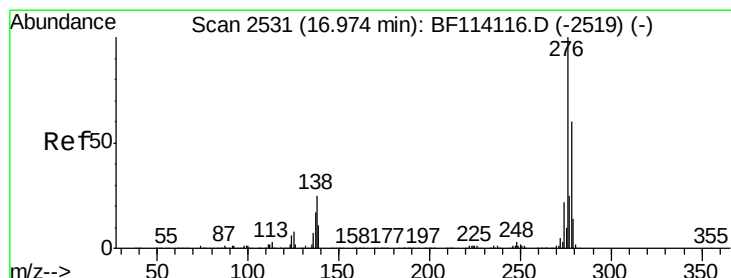
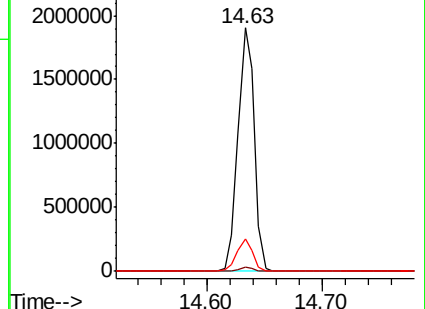
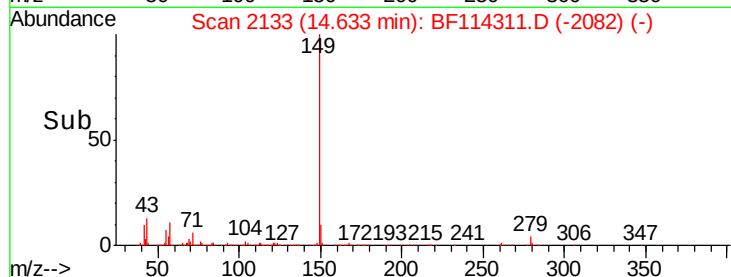
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.924 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.06 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

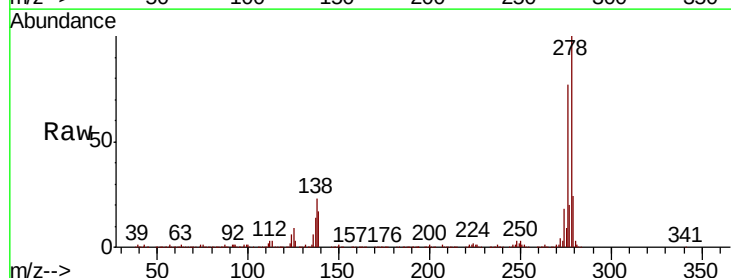
Tgt Ion:276 Resp: 1722024

Ion Ratio Lower Upper

276 100

138 26.5 20.2 30.2

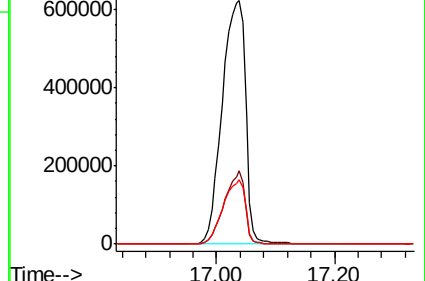
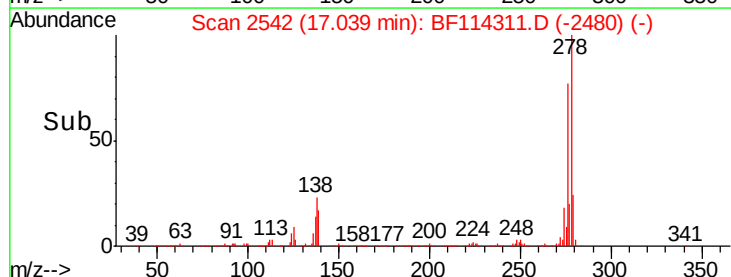
277 25.2 20.0 30.0

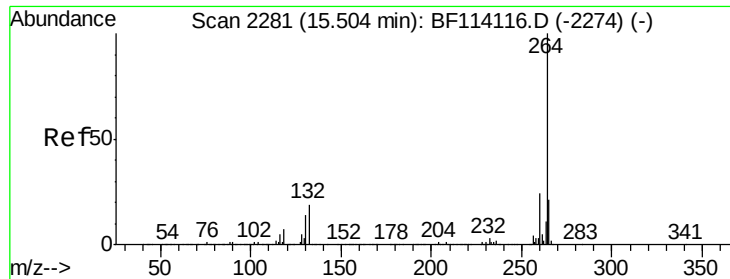


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.03 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Instrument :

BNA_F

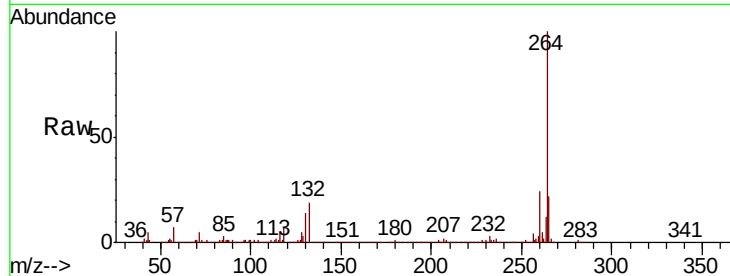
ClientSampleId :

SOIL-COMPMSD

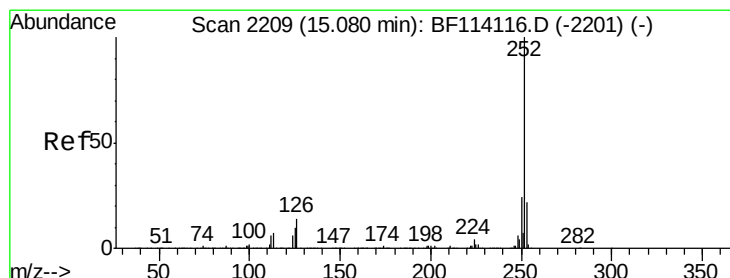
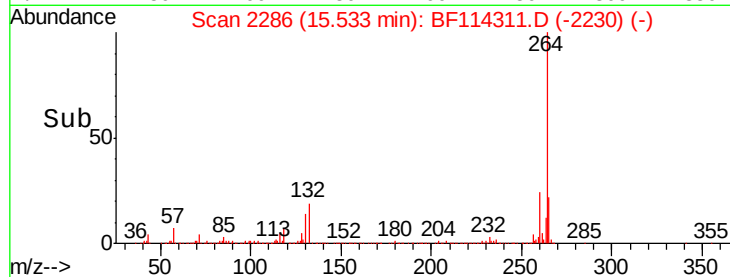
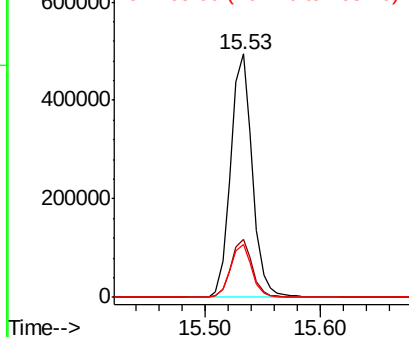
Tot Ion:	264	Resp:	639720
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.0
265	21.9	16.9	25.3

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



#88

Benzo(b)fluoranthene

Concen: 37.546 ng

RT: 15.10 min Scan# 2213

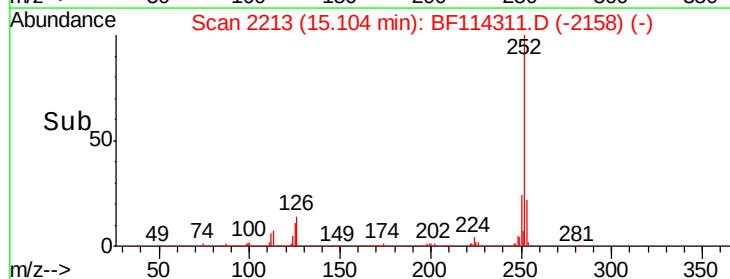
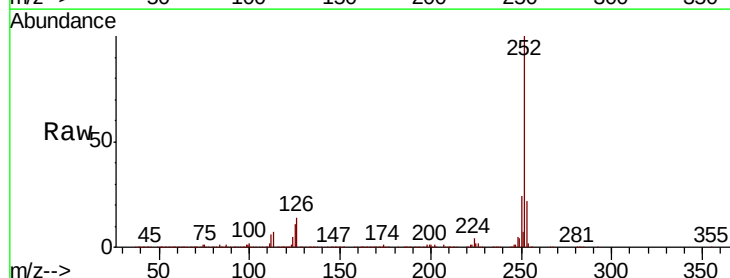
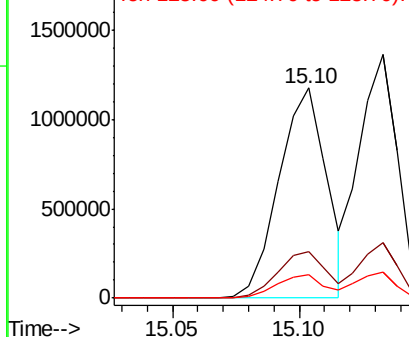
Delta R.T. 0.02 min

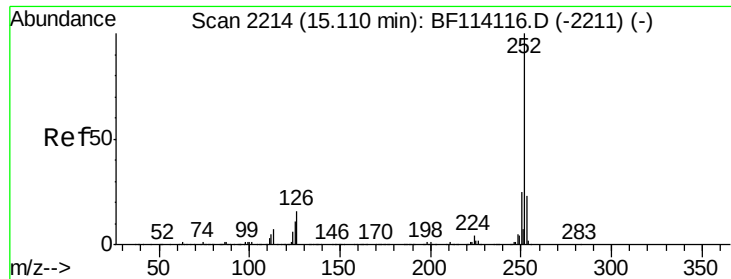
Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:	252	Resp:	1538795
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	10.9	8.3	12.5

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





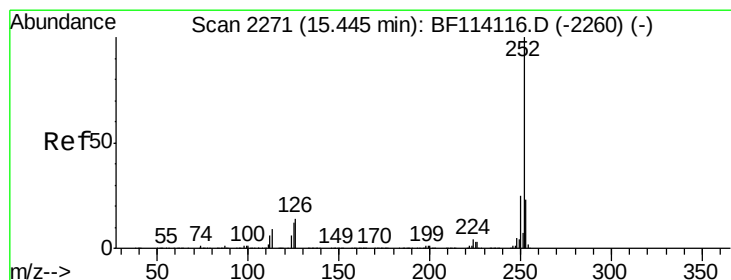
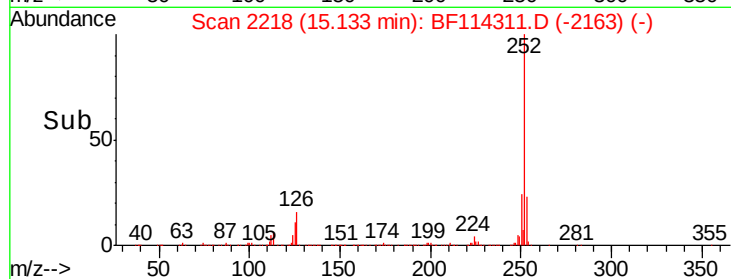
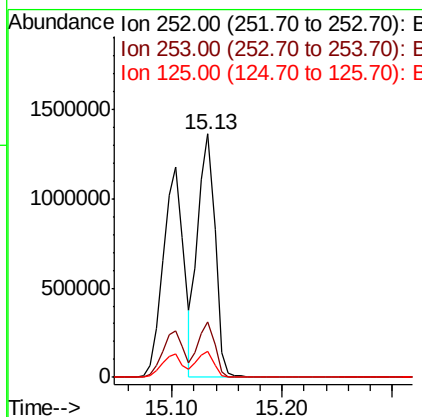
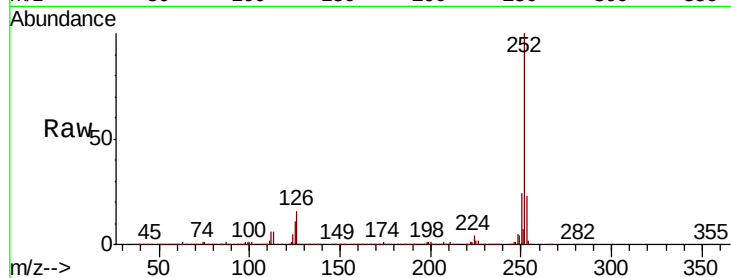
#89
Benzo(k)fluoranthene
Concen: 38.496 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	22.6	18.2	27.2	
125	10.8	8.6	13.0	

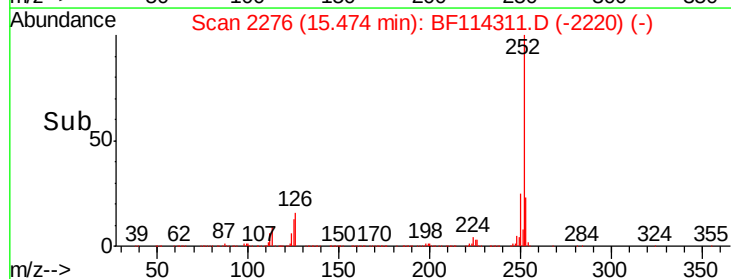
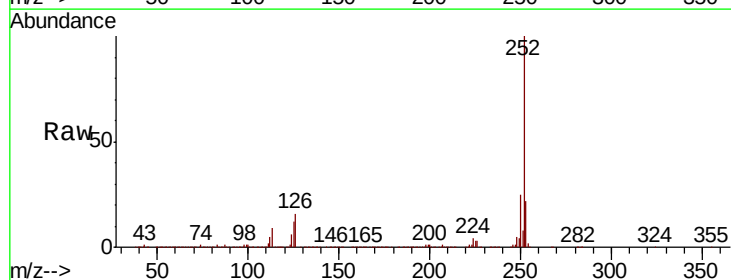
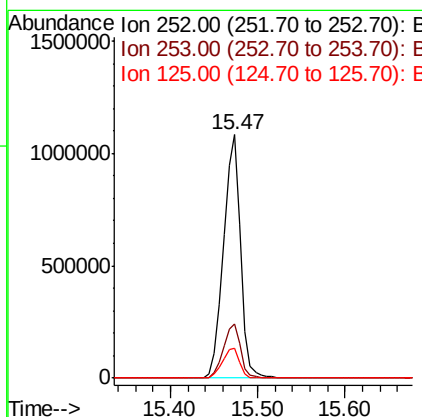
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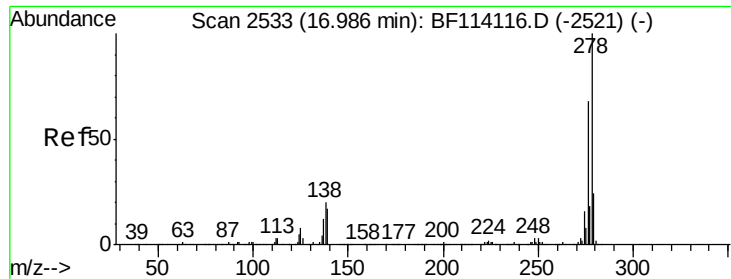
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#90
Benzo(a)pyrene
Concen: 40.680 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.03 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	22.5	18.1	27.1	
125	12.3	9.5	14.3	





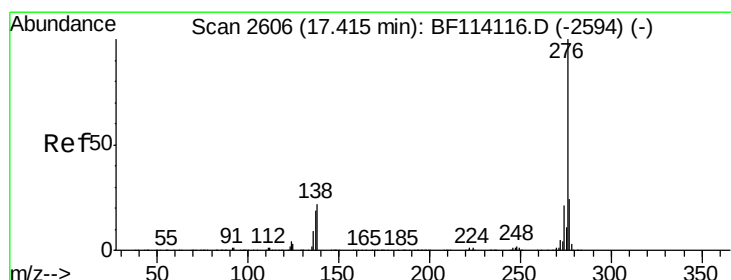
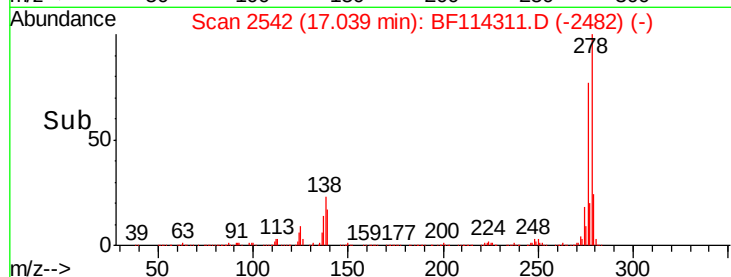
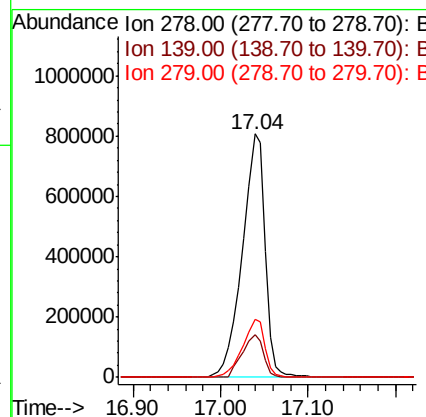
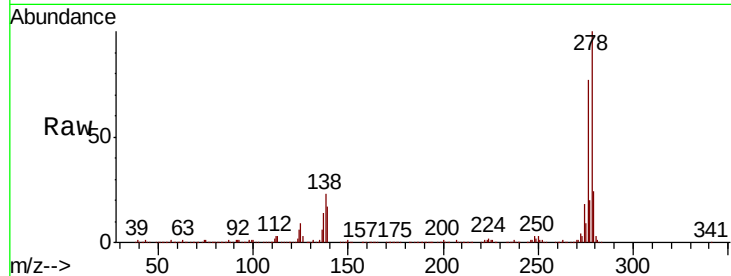
#91
Dibenzo(a,h)anthracene
Concen: 46.973 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.05 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion:278 Resp: 1407880
Ion Ratio Lower Upper
278 100
139 17.4 13.5 20.3
279 23.9 19.0 28.6

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:12 PM



#92
Benzo(g,h,i)perylene
Concen: 50.436 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.06 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

Tgt Ion:276 Resp: 1514913
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.4
138 22.6 17.8 26.6

