

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

Quant Time: May 17 08:02:29 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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	103302	24.118	ng	98
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

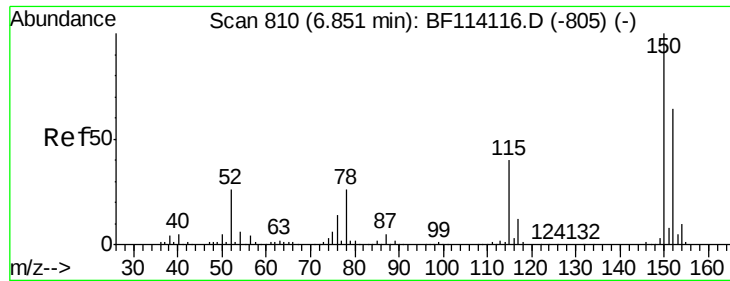
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
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 Response via : Initial Calibration

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

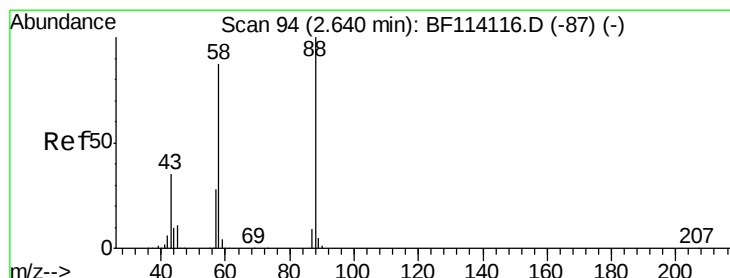
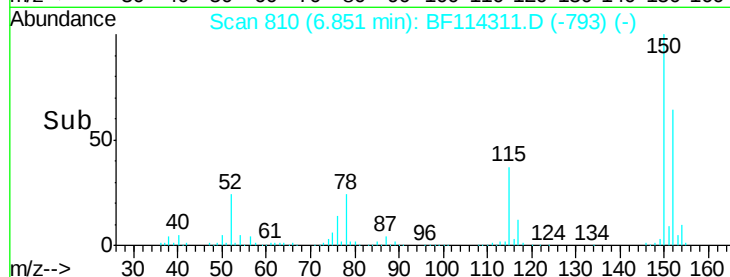
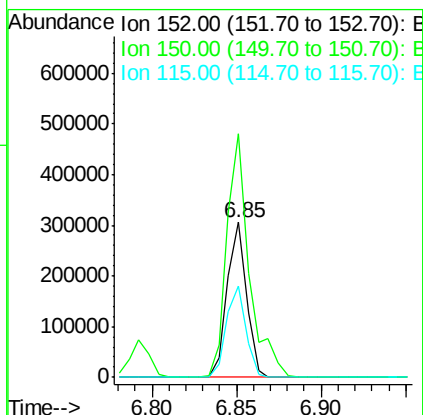
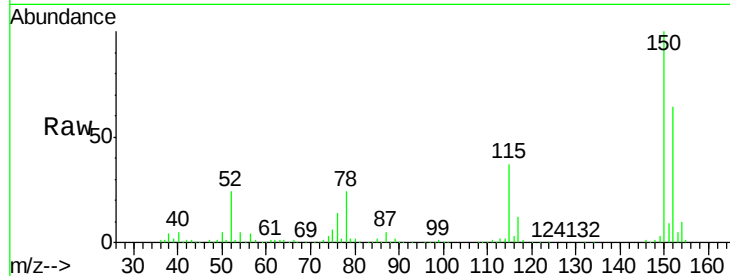


#1

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

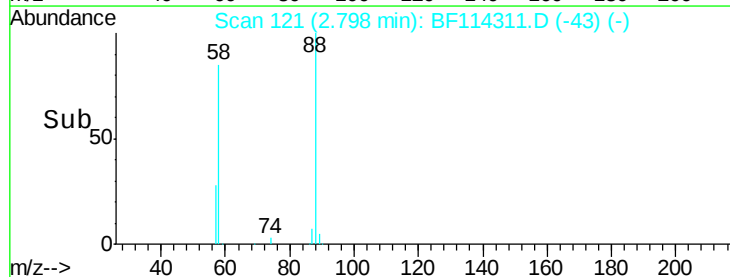
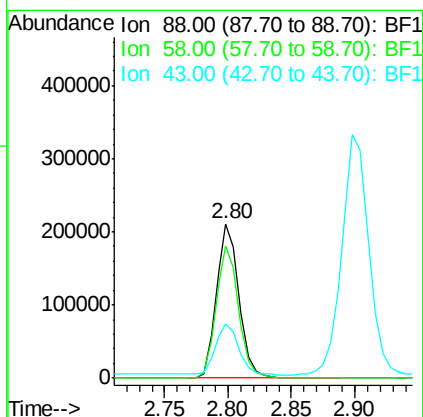
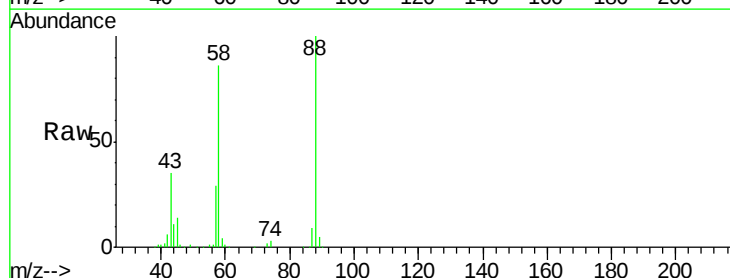
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Ion Ratio Lower Upper
152 100
150 156.8 124.3 186.5
115 58.7 49.1 73.7

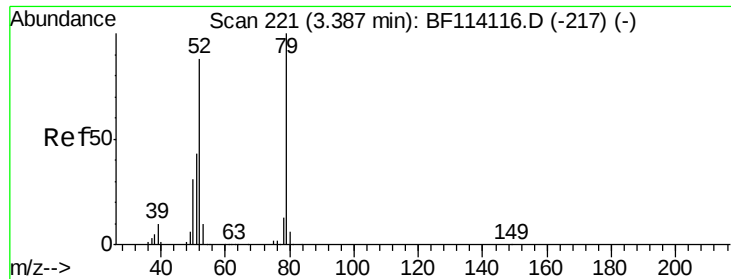


#2

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: 88 Resp: 261285
Ion Ratio Lower Upper
88 100
58 85.0 68.7 103.1
43 0.0 28.2 42.2#

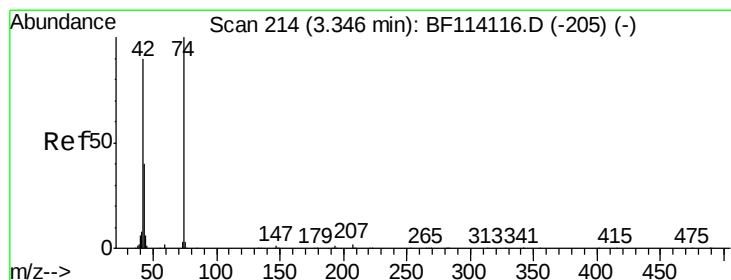
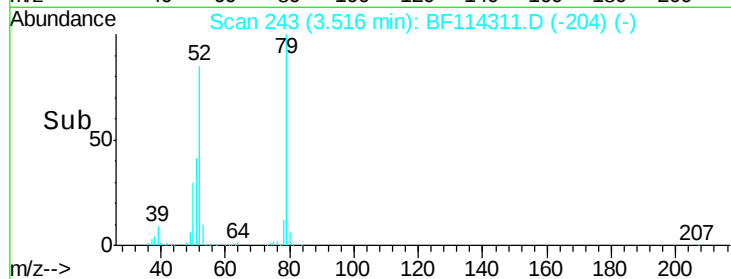
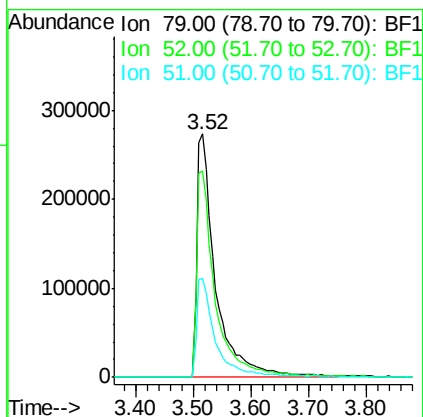
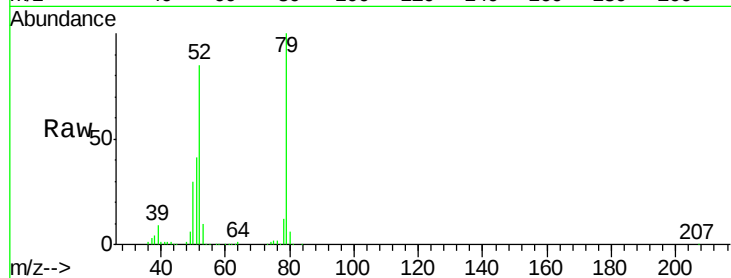




#3
 Pvridine
 Concen: 27.157 ng
 RT: 3.52 min Scan# 243
 Delta R.T. 0.13 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

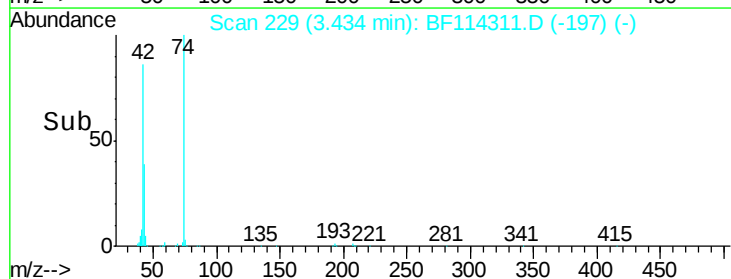
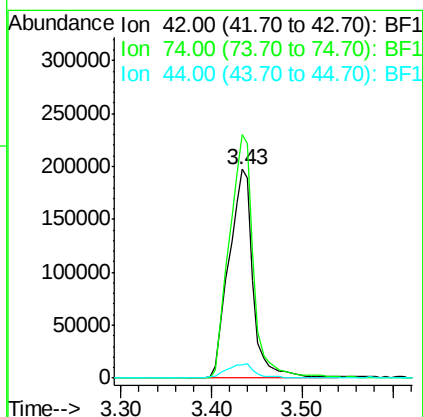
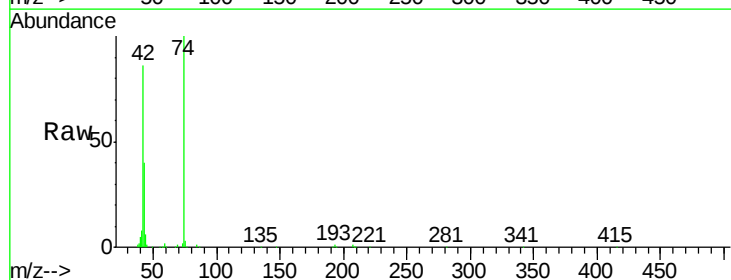
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

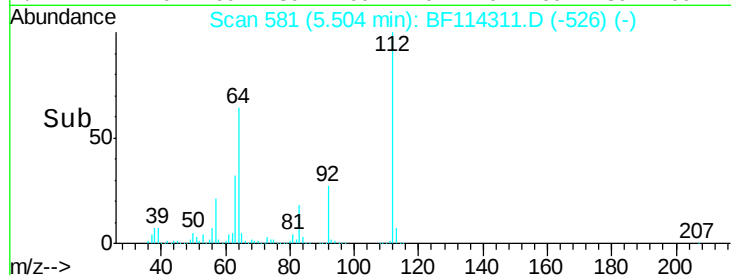
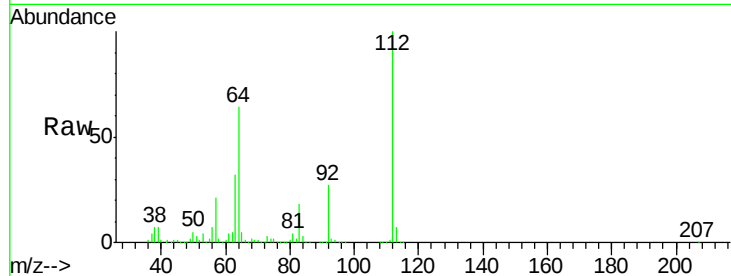
Tot Ion: 79 Resp: 623787
 Ion Ratio Lower Upper
 79 100
 52 84.9 70.6 105.8
 51 40.6 34.2 51.2



#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





#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

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

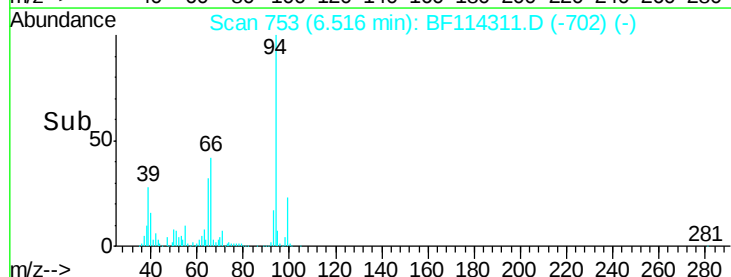
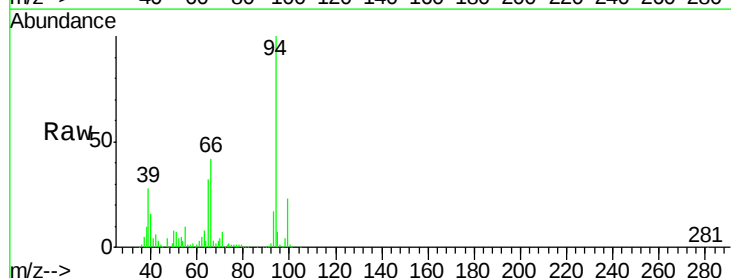
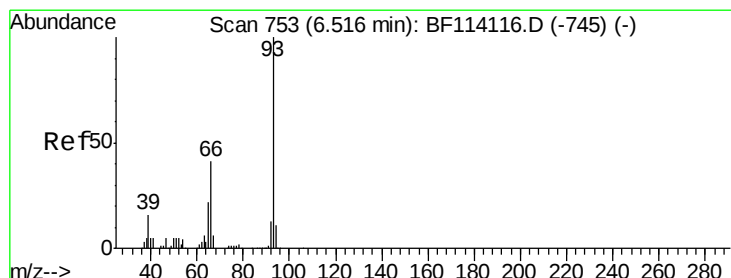
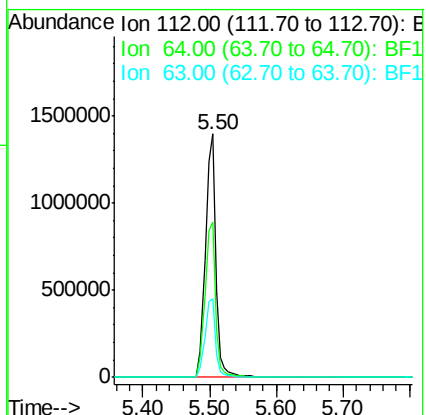
Tot Ion:112 Resp: 1509773

Ion Ratio Lower Upper

112 100

64 63.6 49.0 73.6

63 32.1 24.6 37.0



#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

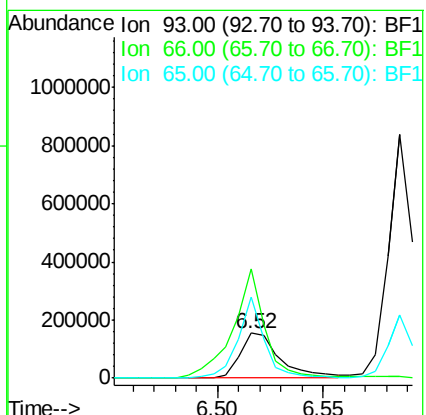
Tgt Ion: 93 Resp: 203281

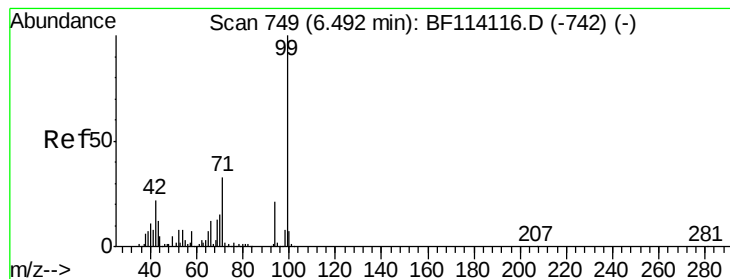
Ion Ratio Lower Upper

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

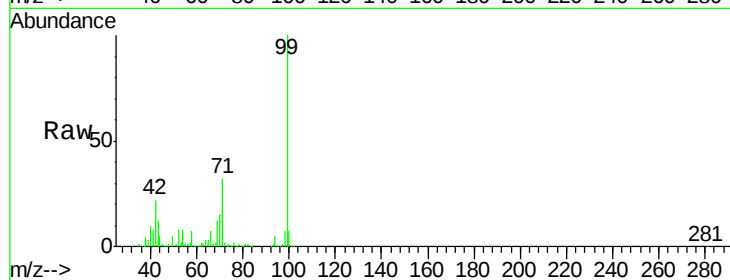
Tot Ion: 99 Resp: 1863716

Ion Ratio Lower Upper

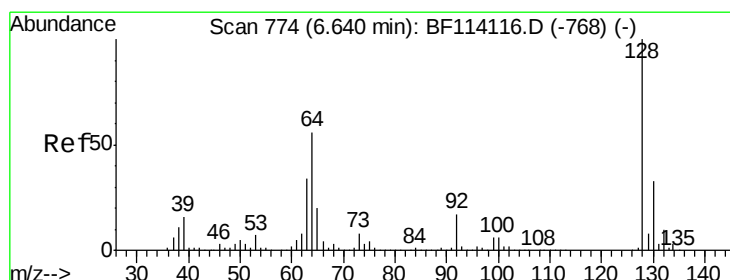
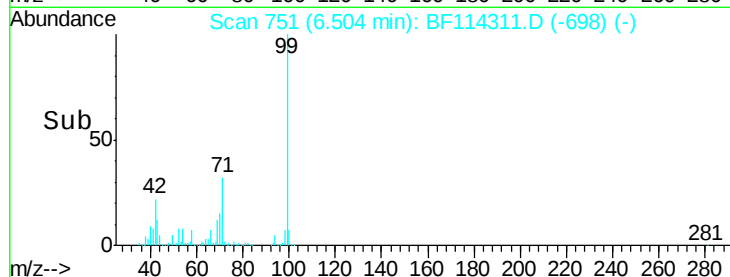
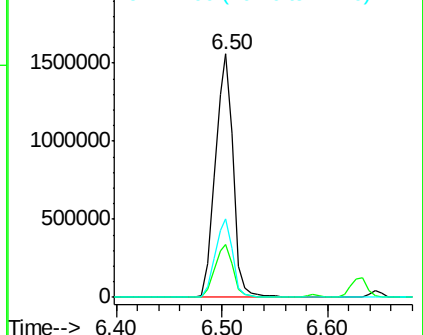
99 100

42 21.9 17.9 26.9

71 32.4 26.2 39.2



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

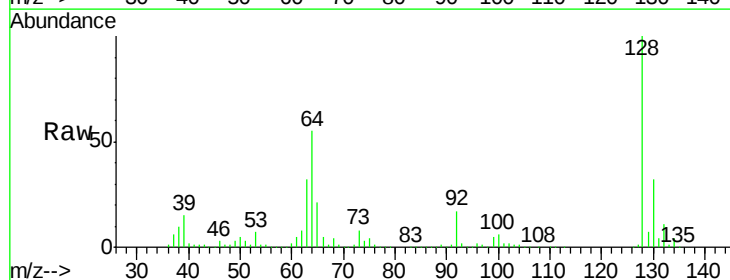
Tgt Ion: 128 Resp: 646423

Ion Ratio Lower Upper

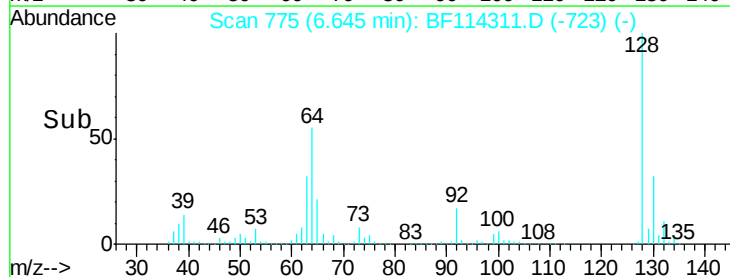
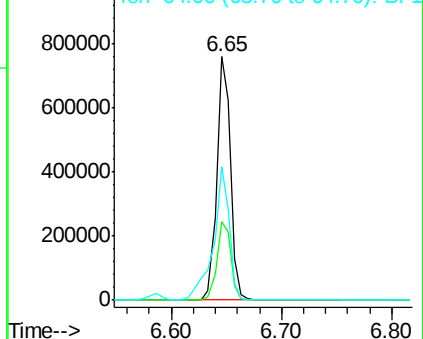
128 100

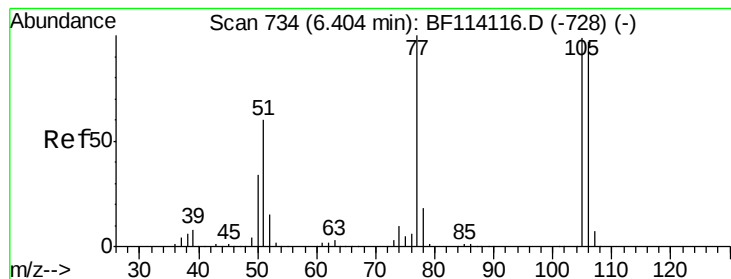
130 32.3 12.6 52.6

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

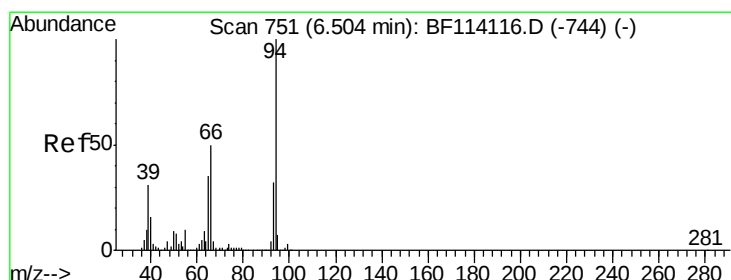
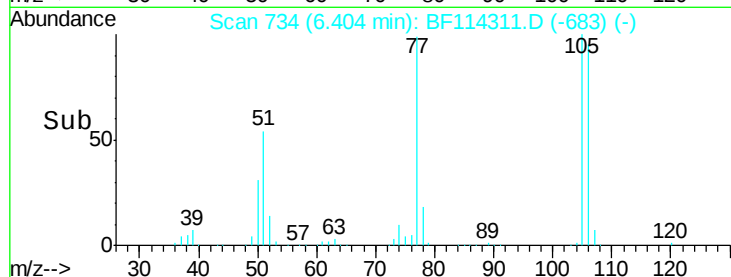
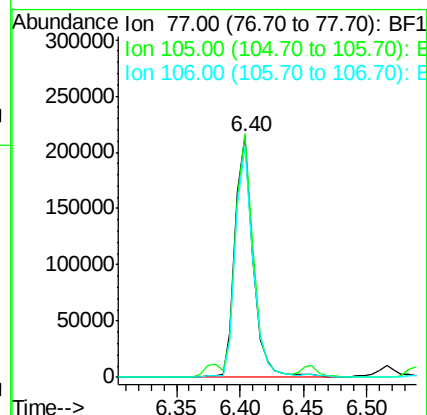
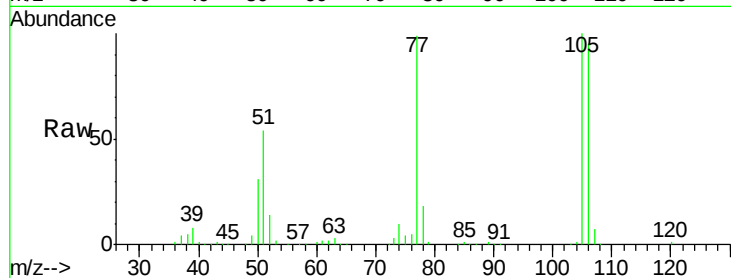
Tot Ion: 77 Resp: 211085

Ion Ratio Lower Upper

77 100

105 101.0 79.3 119.3

106 95.9 77.0 117.0



#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

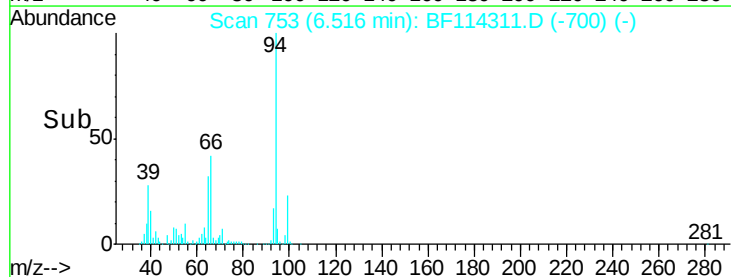
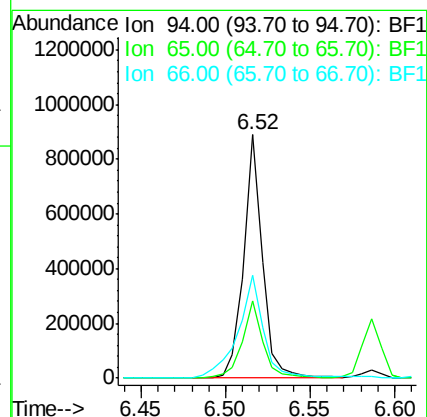
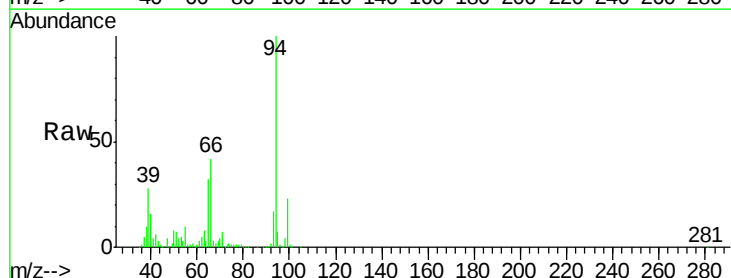
Tgt Ion: 94 Resp: 688103

Ion Ratio Lower Upper

94 100

65 31.5 14.7 54.7

66 42.4 29.6 69.6

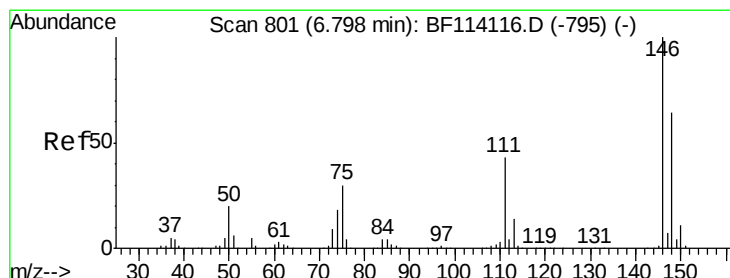
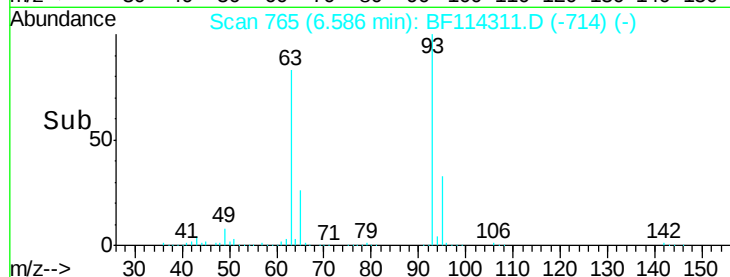
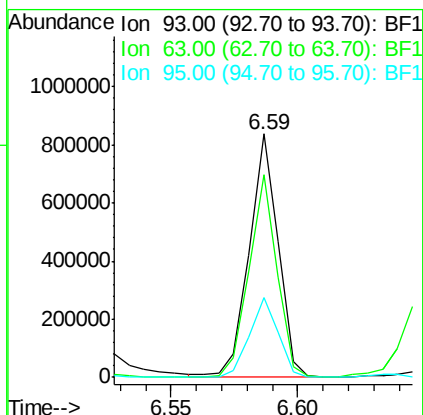
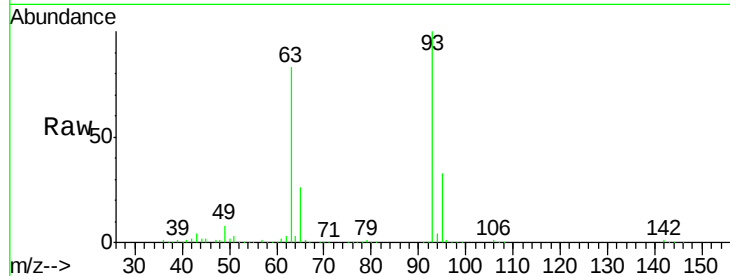




#11
bis(2-Chloroethyl)ether
Concen: 41.378 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

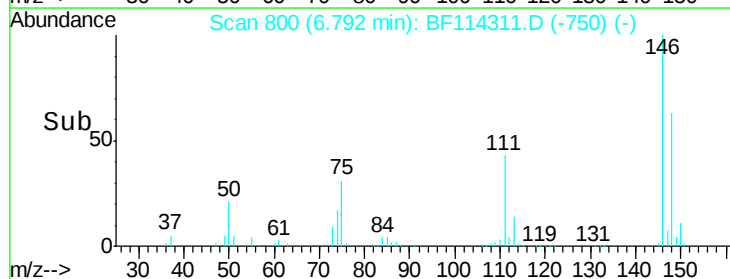
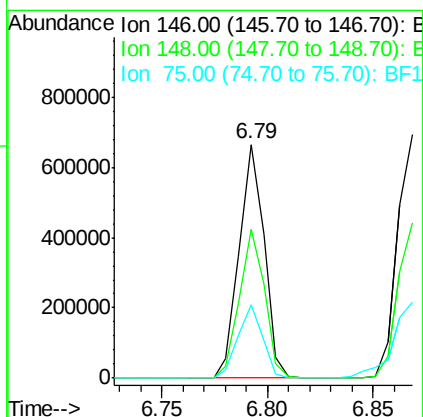
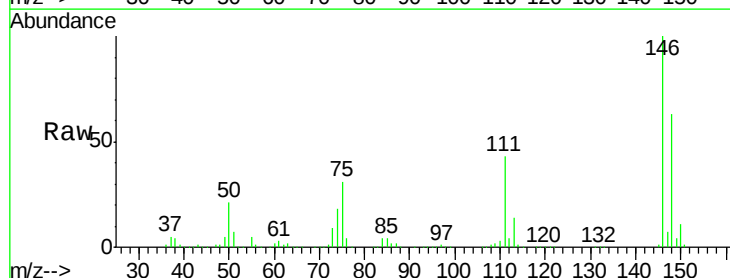
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

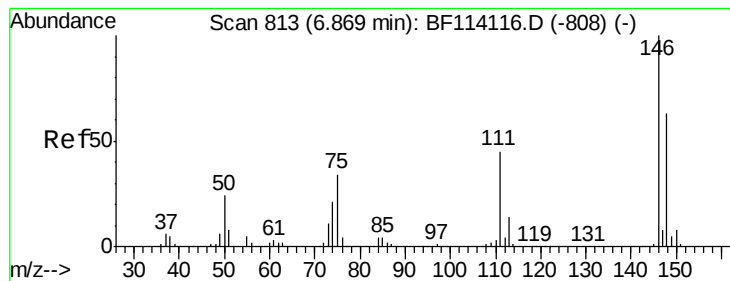
Tot Ion: 93 Resp: 662918
Ion Ratio Lower Upper
93 100
63 83.3 63.6 103.6
95 32.6 13.1 53.1



#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: 146 Resp: 547660
Ion Ratio Lower Upper
146 100
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

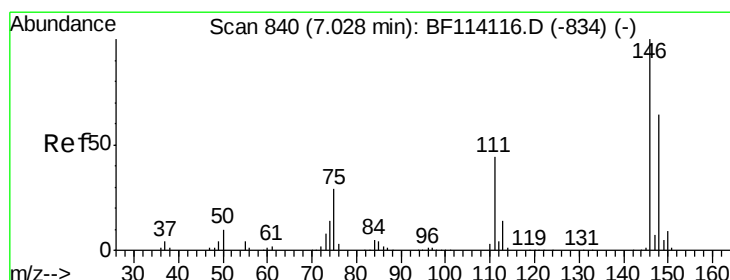
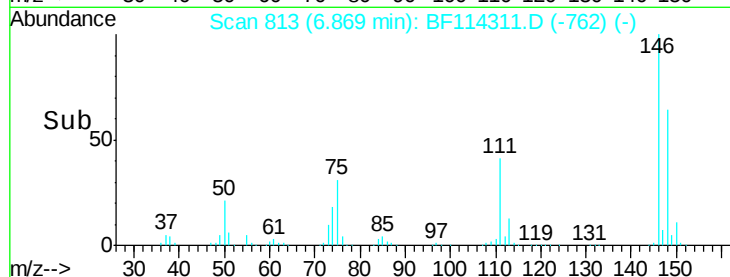
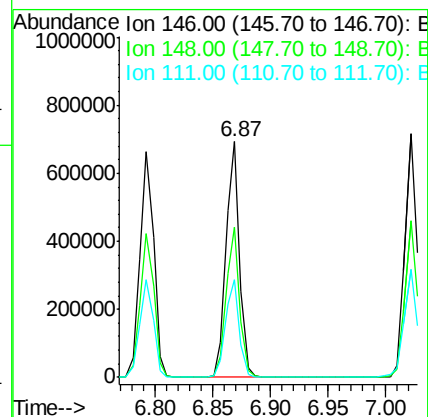
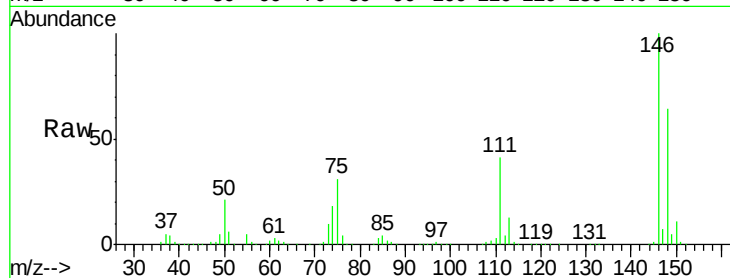
Tot Ion:146 Resp: 560866

Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.2

111 41.4 35.8 53.6



#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

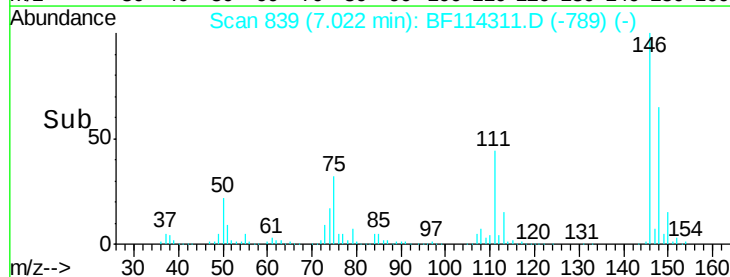
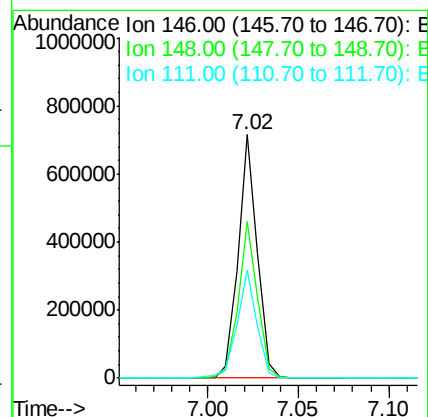
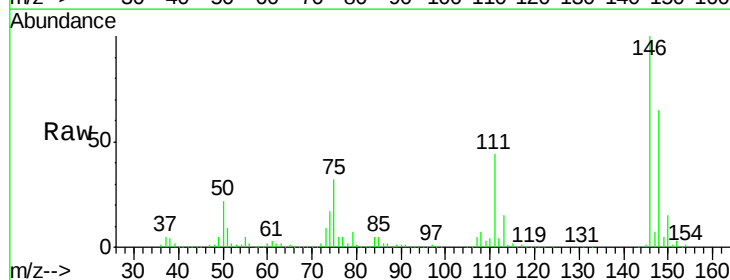
Tgt Ion:146 Resp: 523901

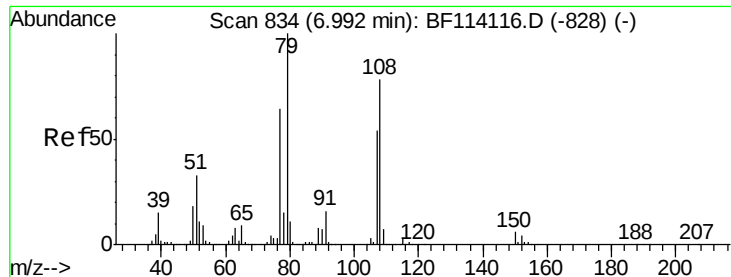
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

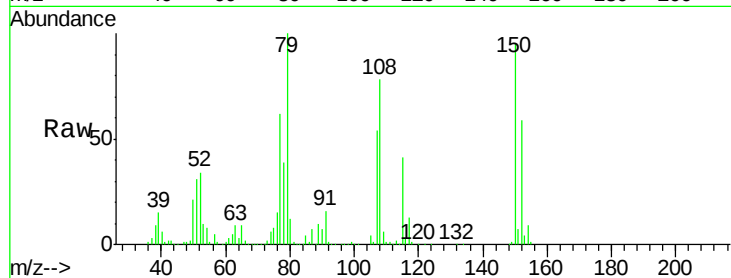
Tot Ion: 79 Resp: 546928

Ion Ratio Lower Upper

79 100

108 77.7 62.1 93.1

77 62.1 51.0 76.6

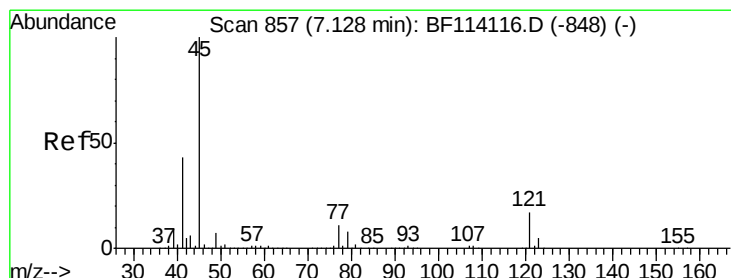
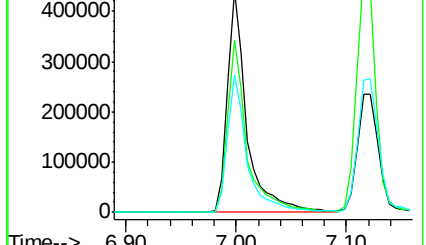
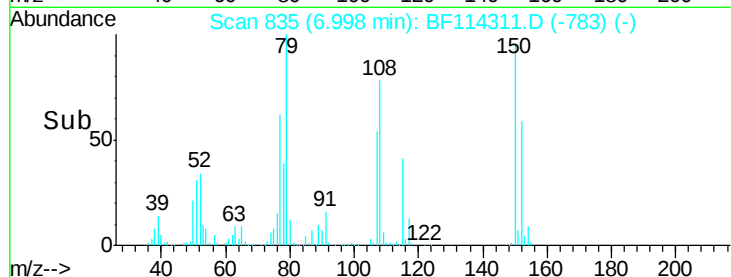


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time-->



#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

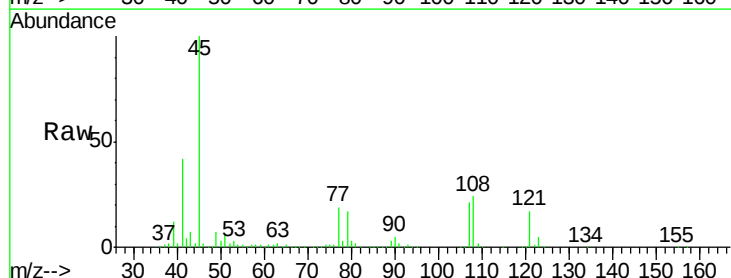
Tgt Ion: 45 Resp: 1153359

Ion Ratio Lower Upper

45 100

77 19.4 0.0 31.1

79 17.2 0.0 28.4

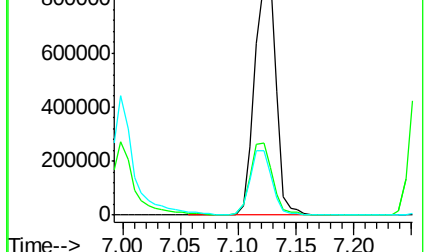
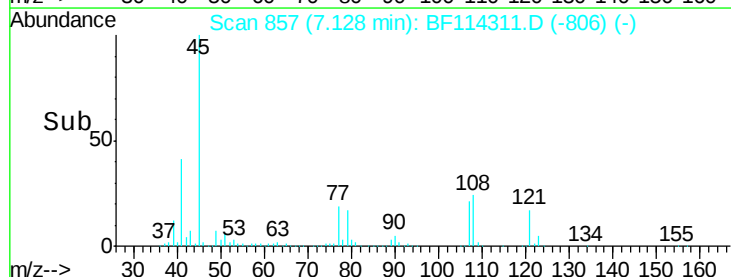


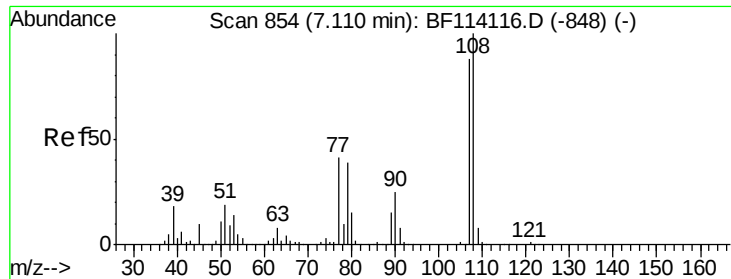
Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->

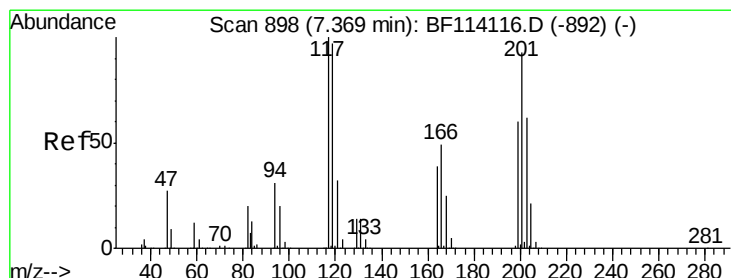
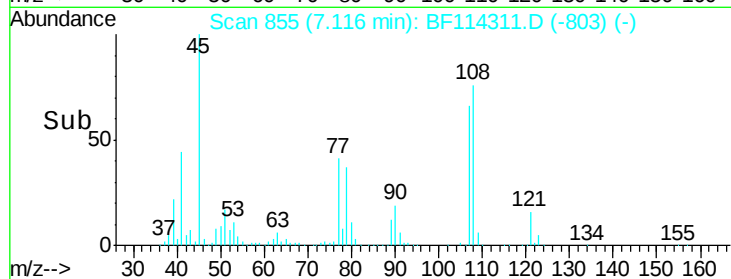
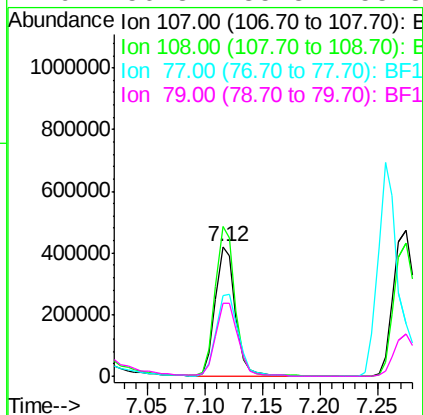
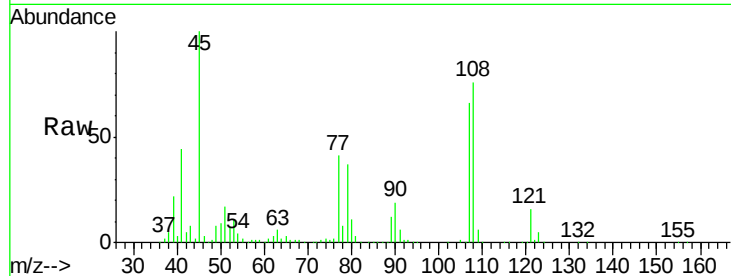




#17
2-Methylphenol
Concen: 37.791 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

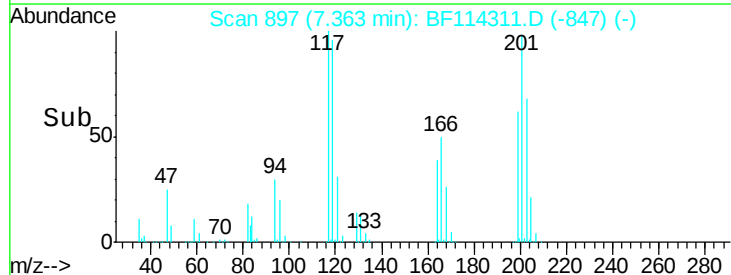
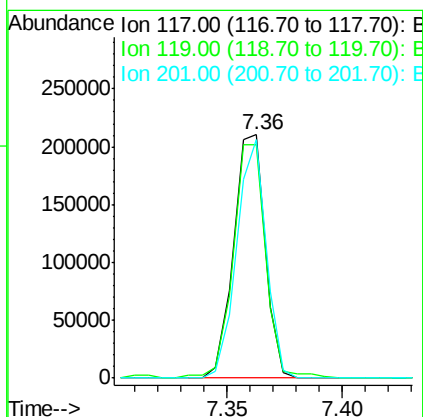
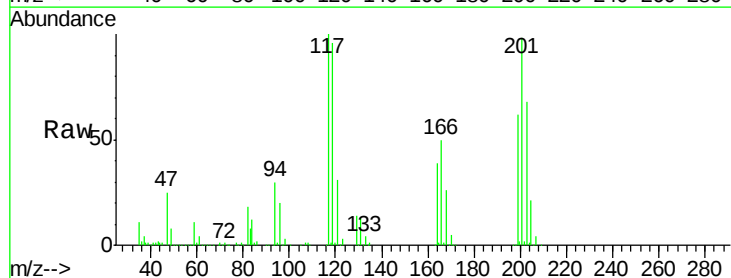
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

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



#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

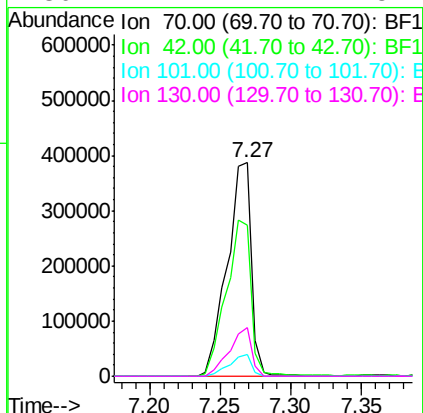
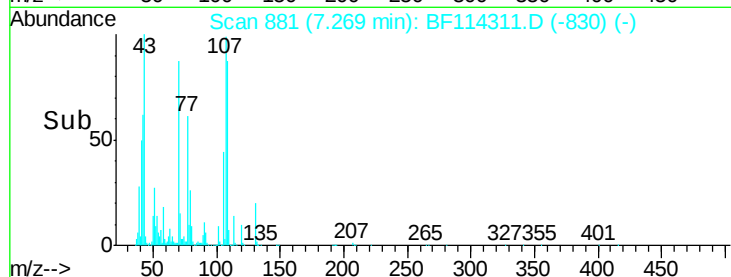
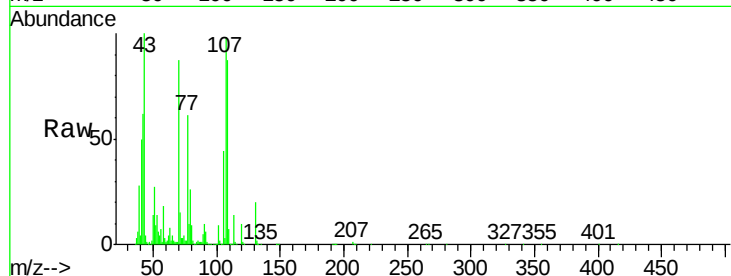




#19
n-Nitroso-di-n-propylamine
Concen: 40.666 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

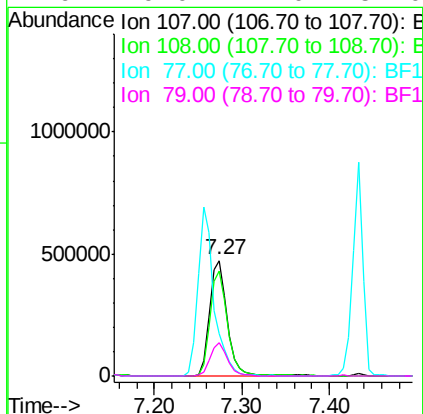
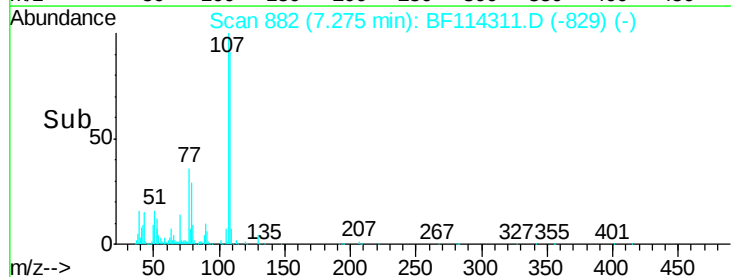
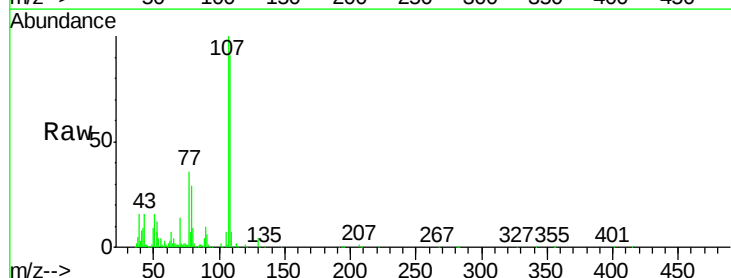
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

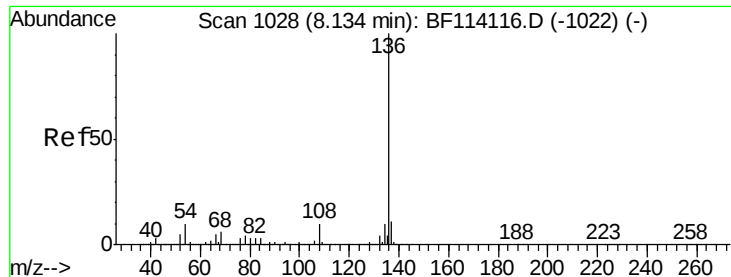
Tot Ion: 70 Resp: 462395
Ion Ratio Lower Upper
70 100
42 71.0 58.6 87.8
101 10.0 7.8 11.8
130 22.7 17.1 25.7



#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: 107 Resp: 662771
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:136 Resp: 953915

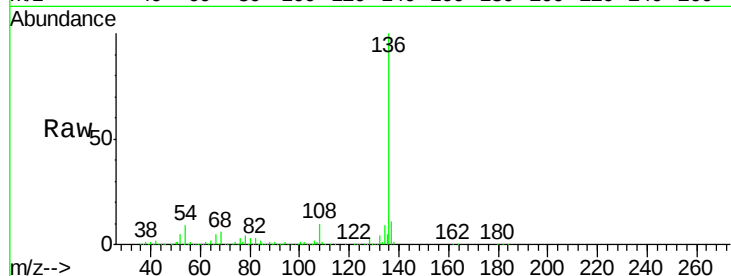
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.9 7.8 11.8

68 6.1 5.1 7.7

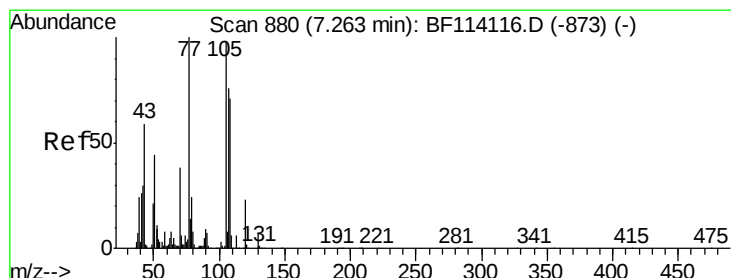
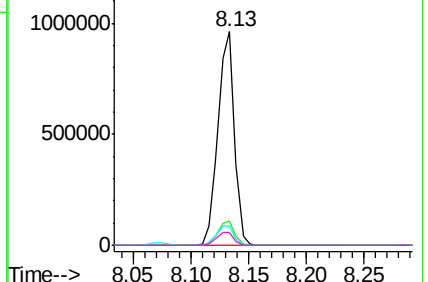
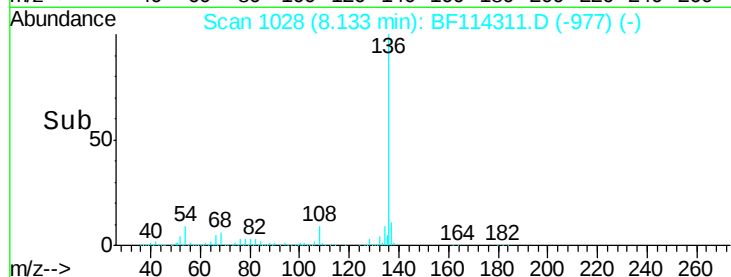


Abundance Ion 136.00 (135.70 to 136.70): E

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:105 Resp: 902561

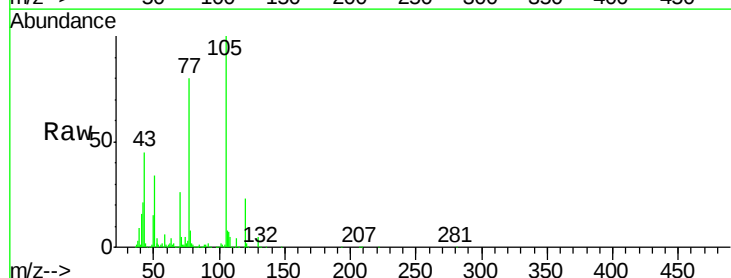
Ion Ratio Lower Upper

105 100

71 4.5 5.3 7.9#

51 34.3 36.2 54.4#

120 23.0 18.6 28.0

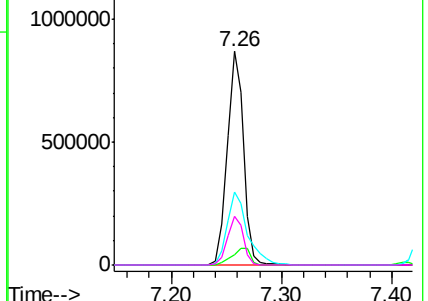
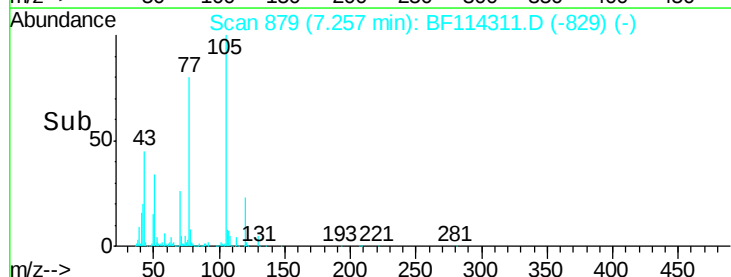


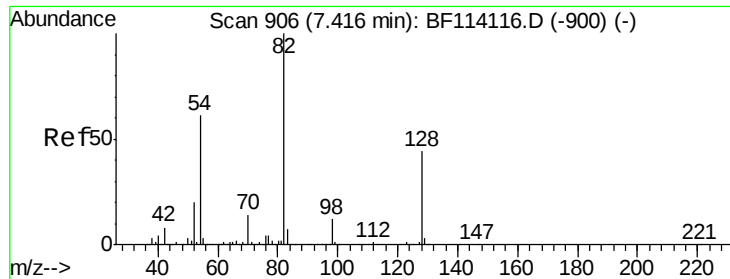
Abundance Ion 105.00 (104.70 to 105.70): E

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

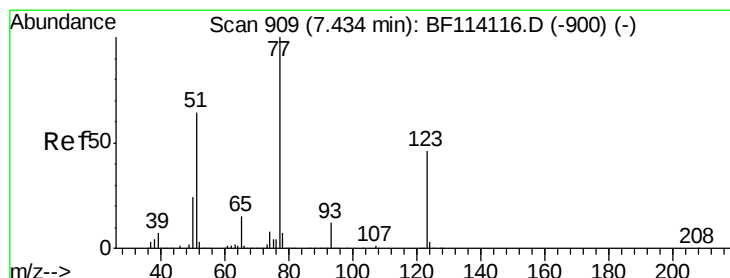
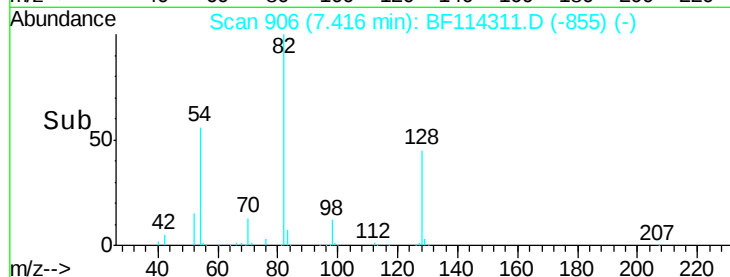
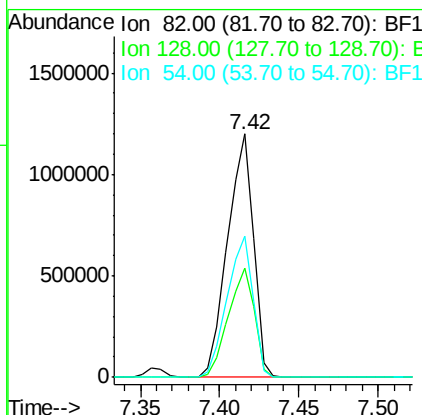
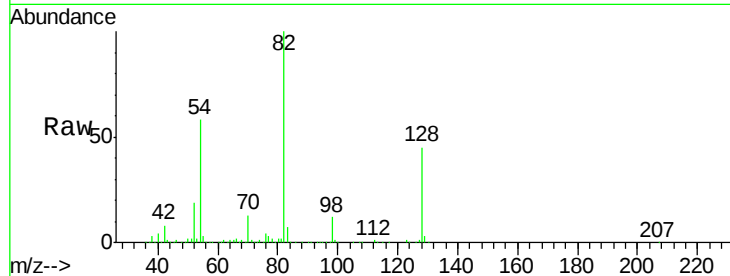




#23
Nitrobenzene-d5
Concen: 80.281 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

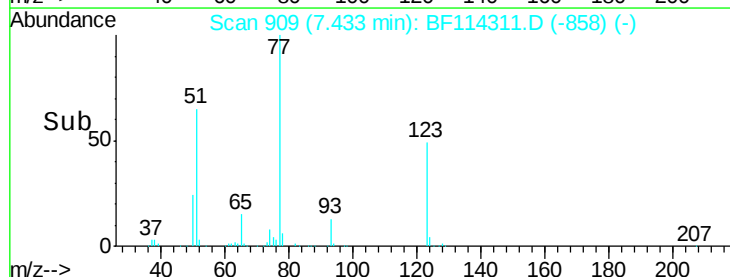
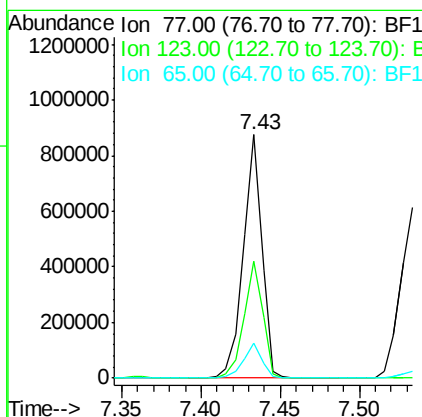
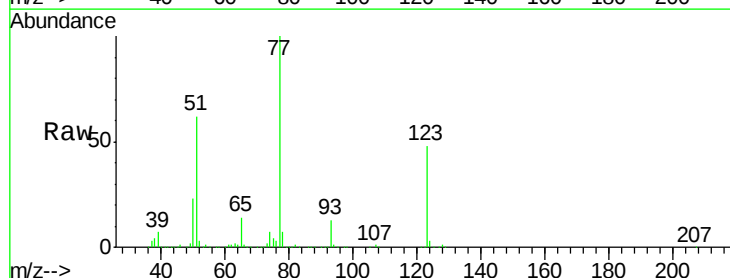
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

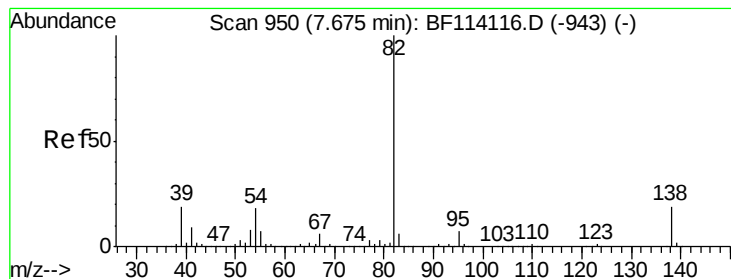
Tot Ion: 82 Resp: 1364589
Ion Ratio Lower Upper
82 100
128 44.8 35.5 53.3
54 58.1 48.5 72.7



#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 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

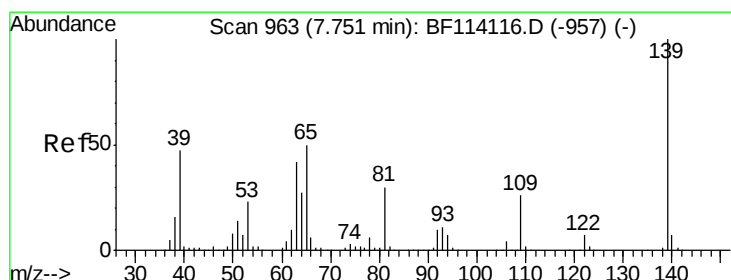
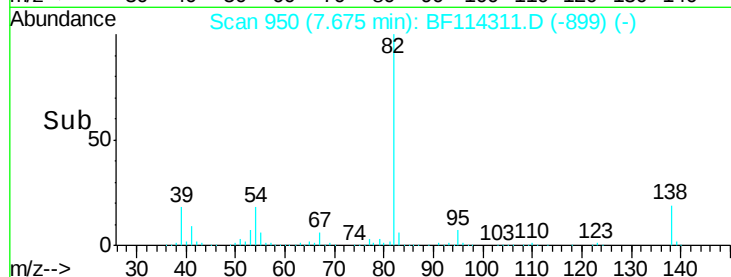
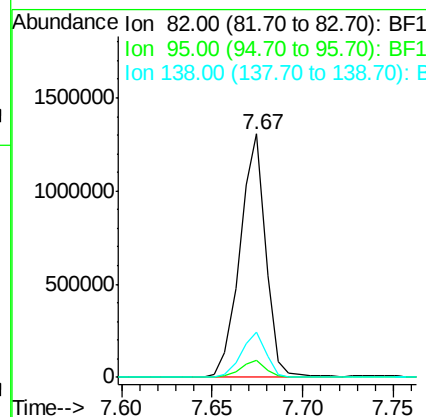
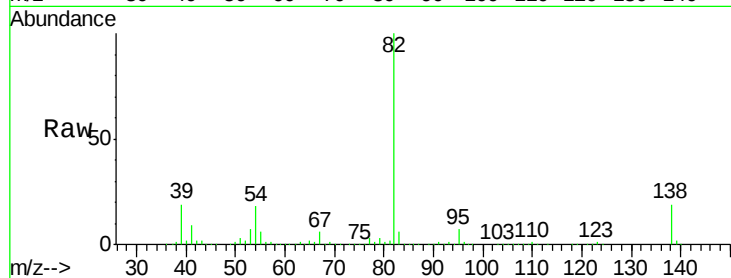
Tot Ion: 82 Resp: 1288309

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

138 18.8 14.8 22.2



#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

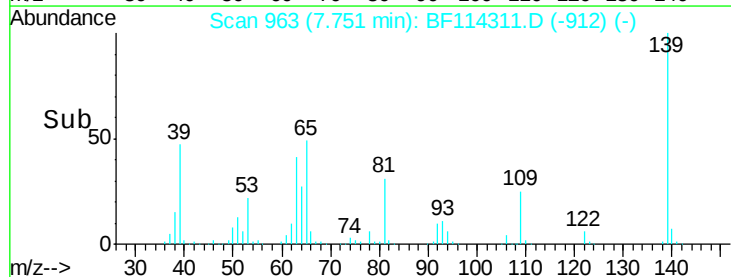
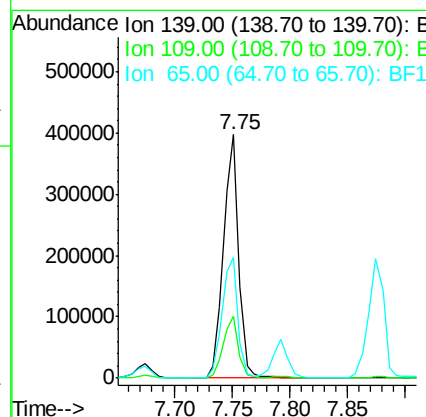
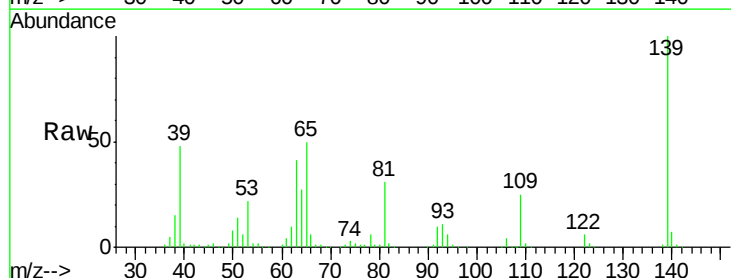
Tgt Ion: 139 Resp: 363256

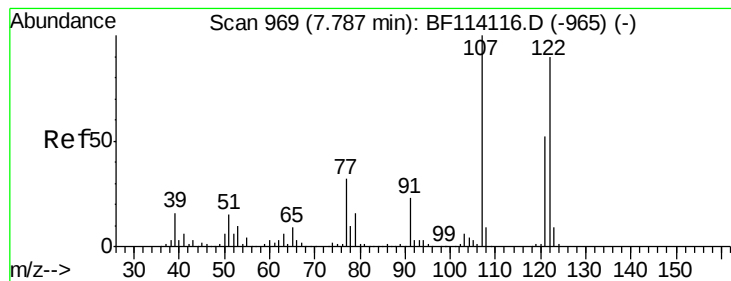
Ion Ratio Lower Upper

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

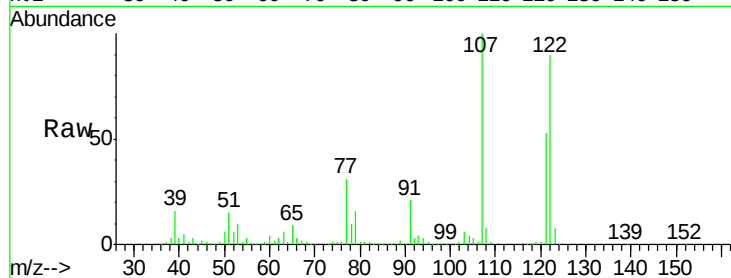
Tot Ion:122 Resp: 575325

Ion Ratio Lower Upper

122 100

107 111.3 88.4 132.6

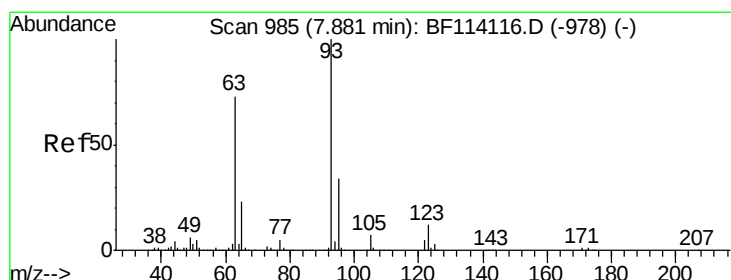
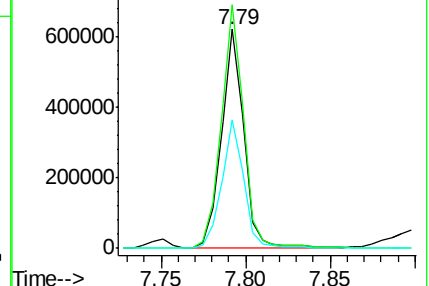
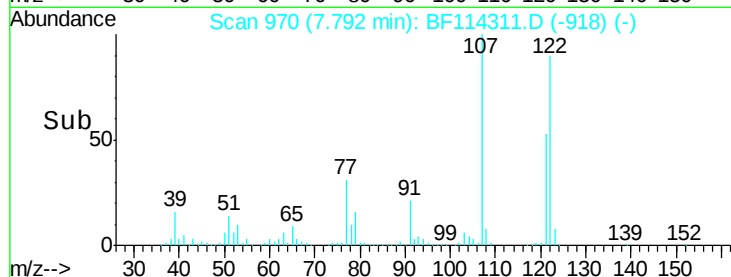
121 58.5 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#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

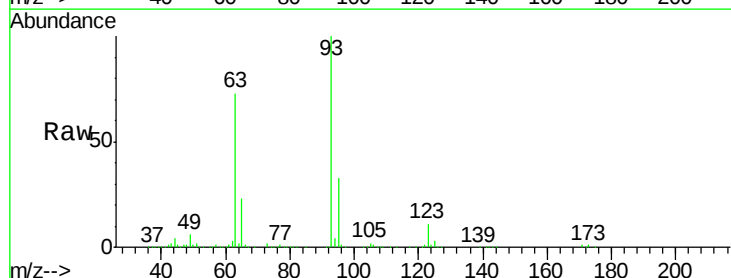
Tgt Ion: 93 Resp: 829980

Ion Ratio Lower Upper

93 100

95 33.1 26.8 40.2

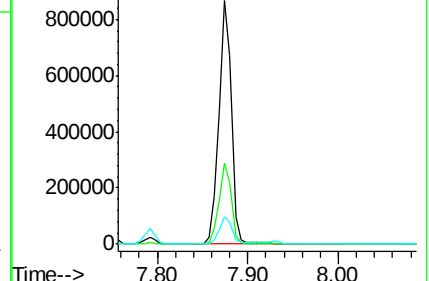
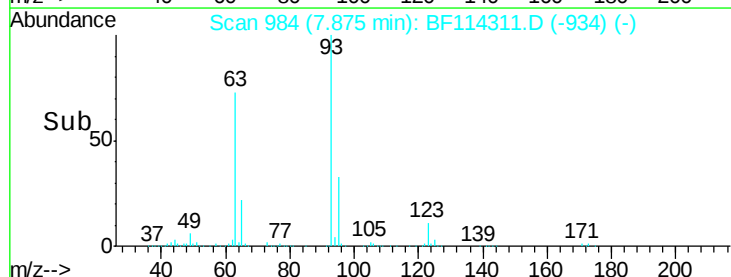
123 11.5 9.5 14.3

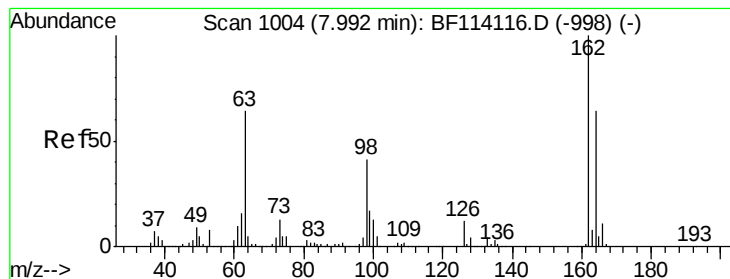


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#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

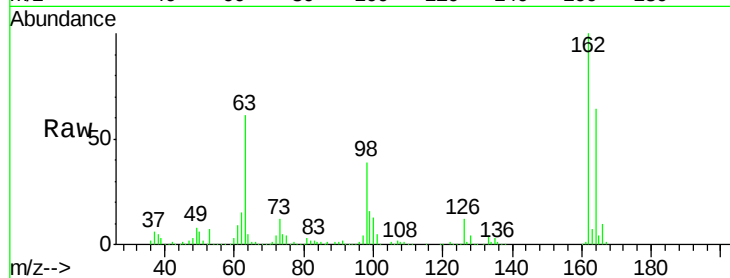
Tot Ion:162 Resp: 552827

Ion Ratio Lower Upper

162 100

164 63.7 43.6 83.6

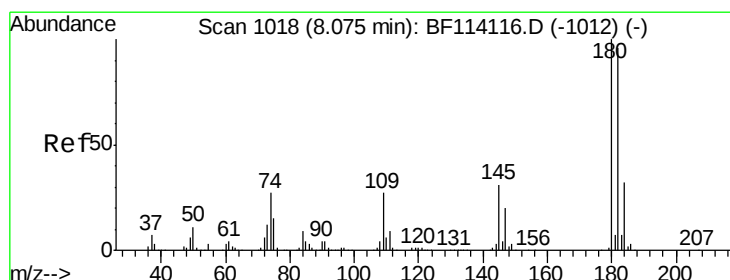
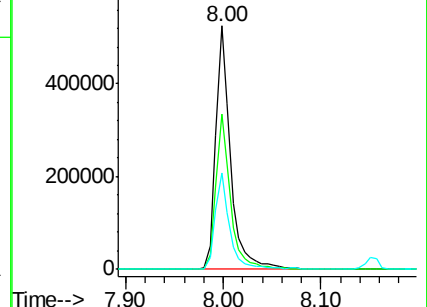
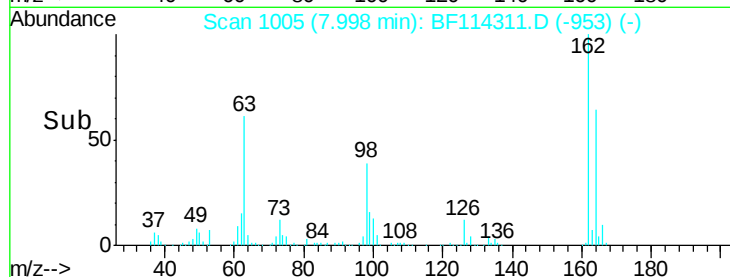
98 39.5 20.6 60.6



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

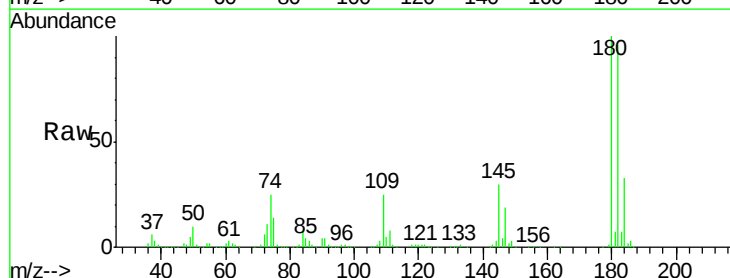
Tgt Ion:180 Resp: 526093

Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

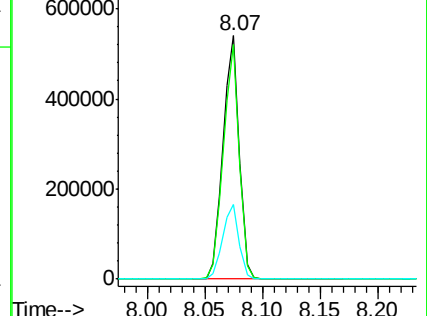
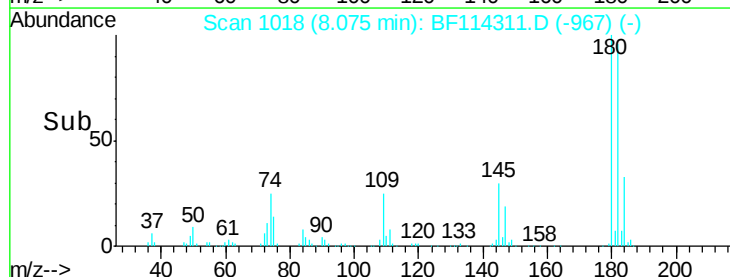
145 30.4 25.1 37.7



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

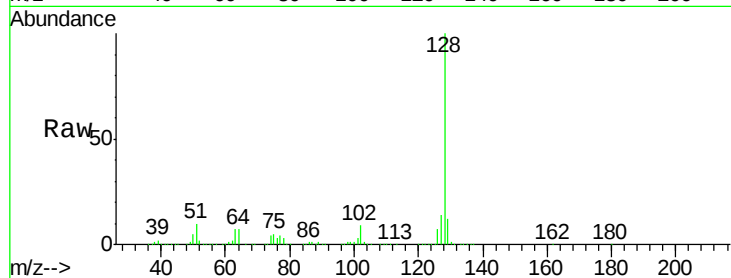
Tot Ion:128 Resp: 1738341

Ion Ratio Lower Upper

128 100

129 11.6 9.6 14.4

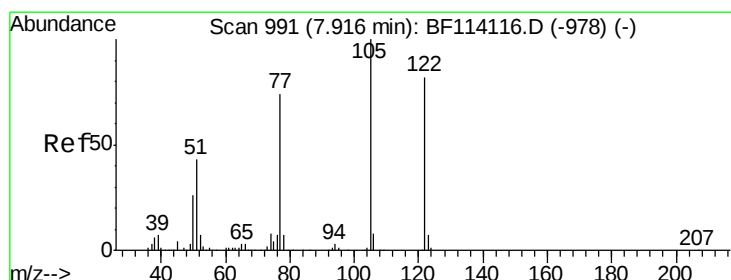
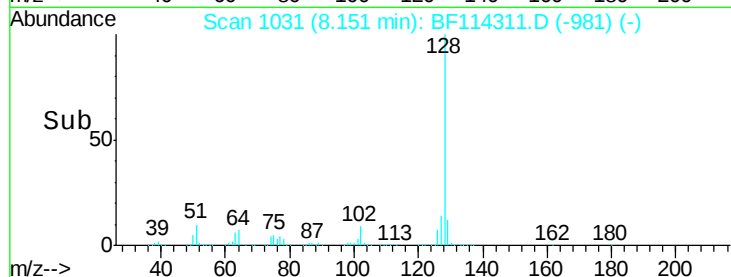
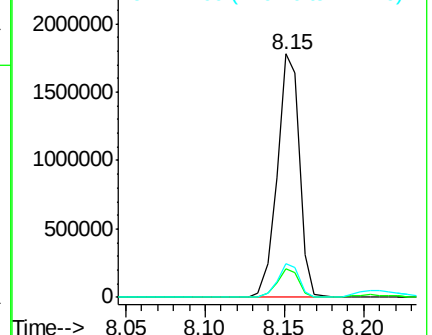
127 13.6 11.3 16.9



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

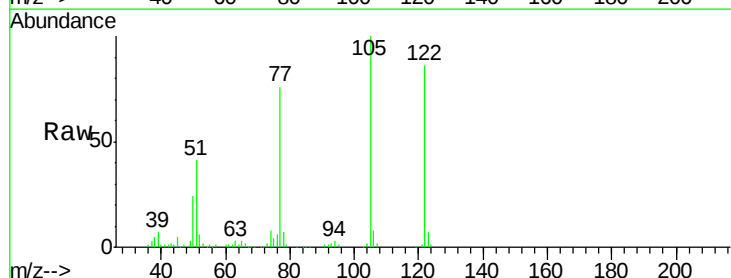
Tgt Ion:122 Resp: 280814

Ion Ratio Lower Upper

122 100

105 116.5 99.9 139.9

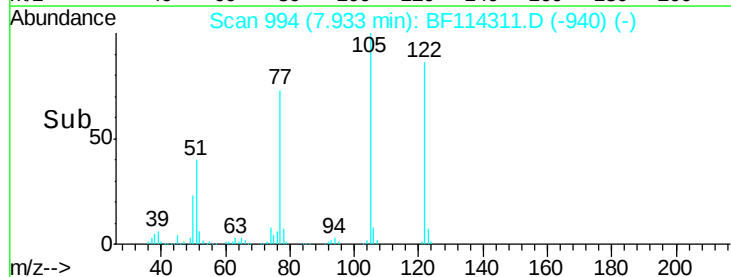
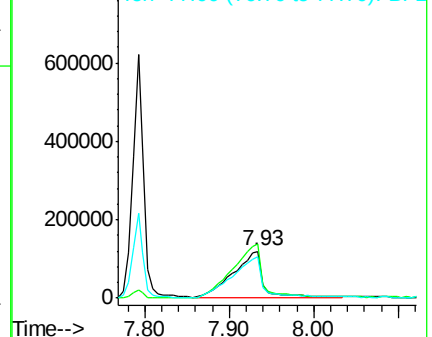
77 88.8 69.4 109.4



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

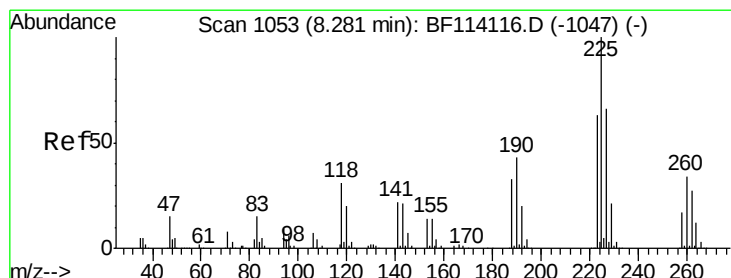
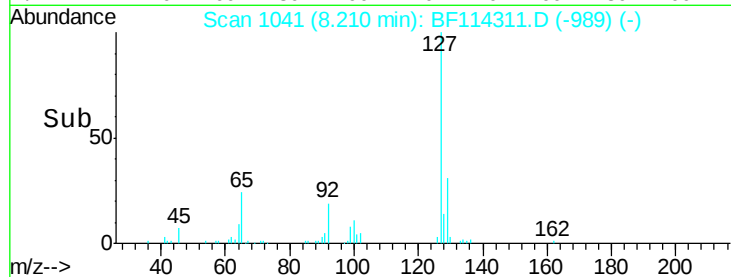
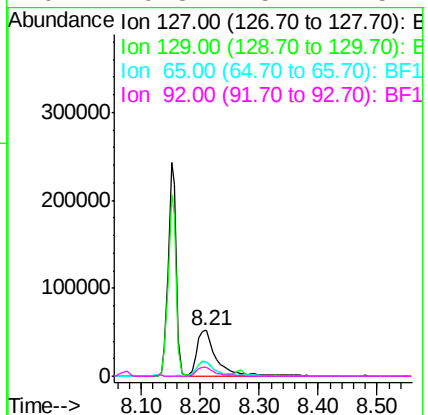
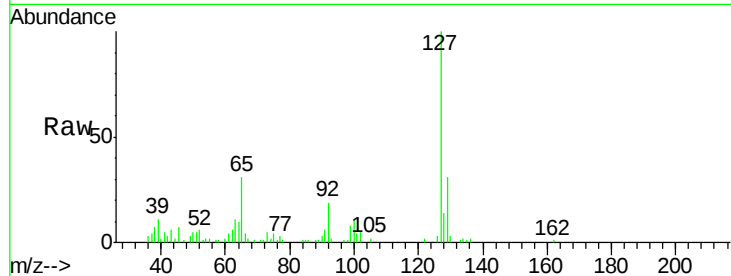




#33
4-Chloroaniline
Concen: 6.030 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

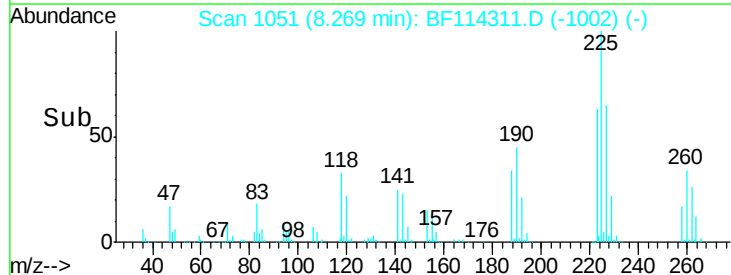
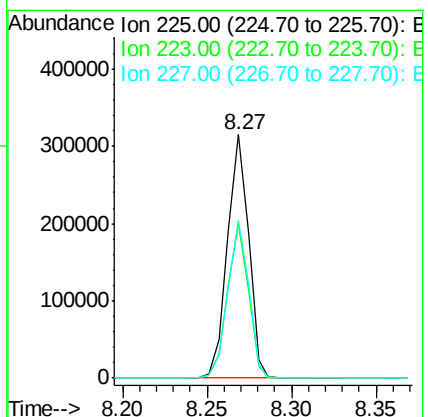
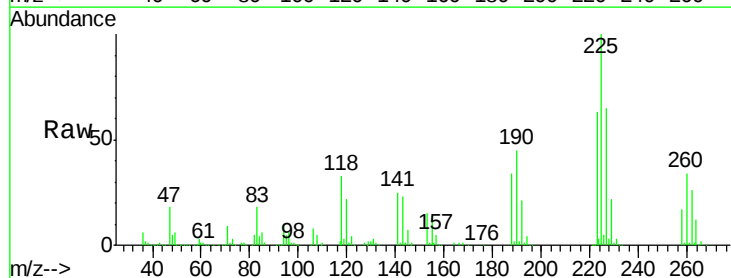
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

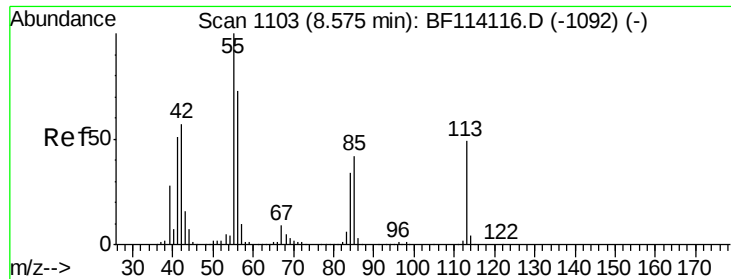
Tot Ion:	127	Resp:	122448
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.7	40.1
65	30.9	25.4	38.0
92	19.3	15.4	23.2



#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:	225	Resp:	274255
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	64.6	52.6	79.0

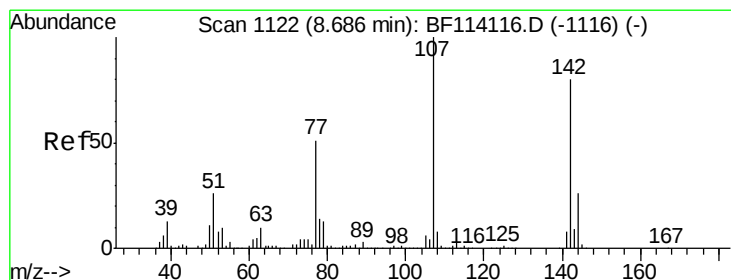
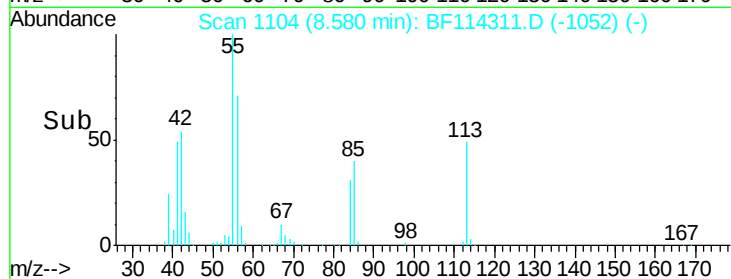
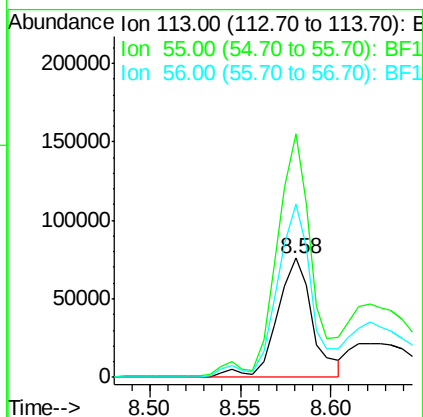
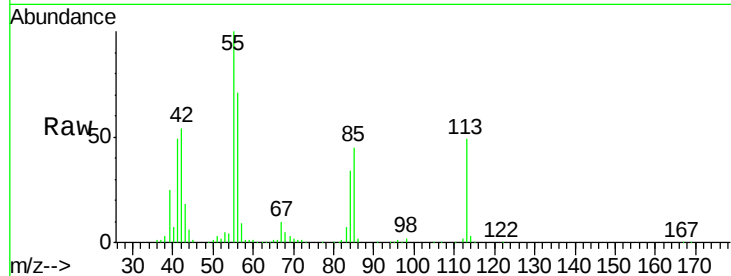




#35
Caprolactam
Concen: 24.118 ng
RT: 8.58 min Scan# 1104
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

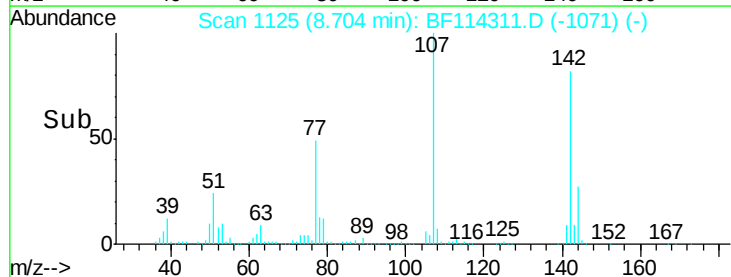
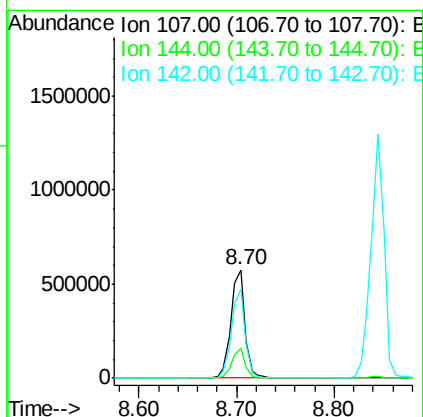
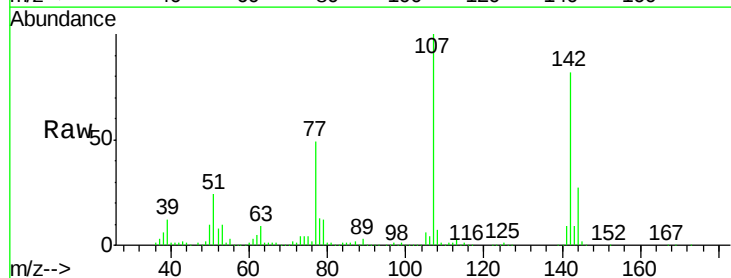
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

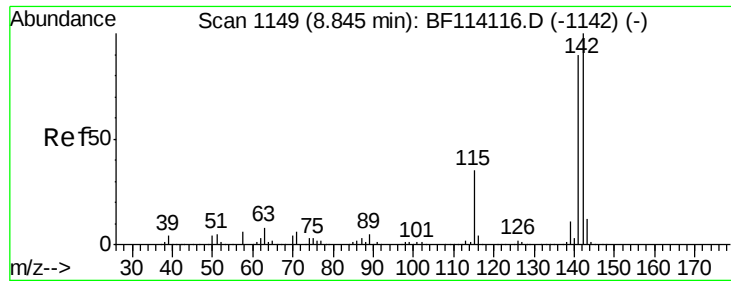
Tot Ion:113 Resp: 103302
Ion Ratio Lower Upper
113 100
55 204.4 183.5 223.5
56 145.1 128.8 168.8



#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:107 Resp: 578471
Ion Ratio Lower Upper
107 100
144 27.1 20.4 30.6
142 82.5 64.2 96.4

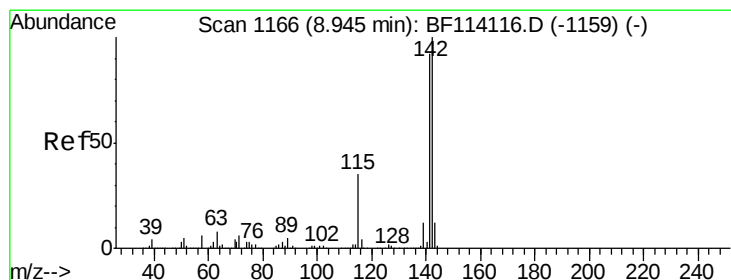
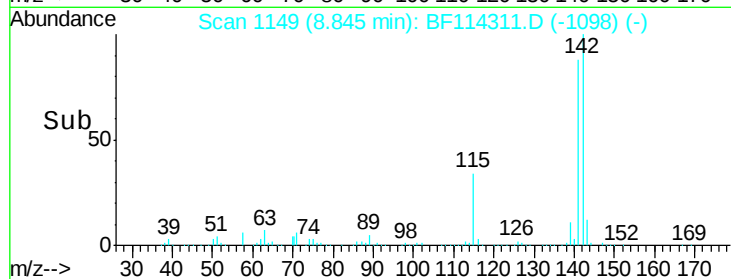
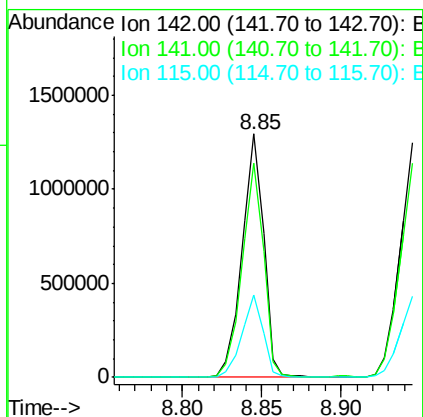
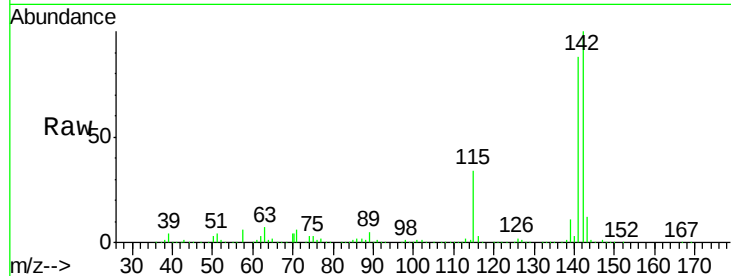




#37
2-Methylnaphthalene
Concen: 42.494 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

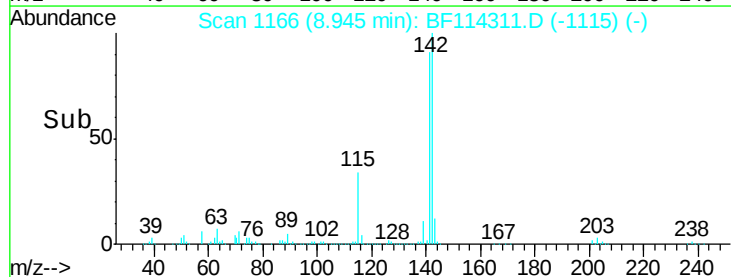
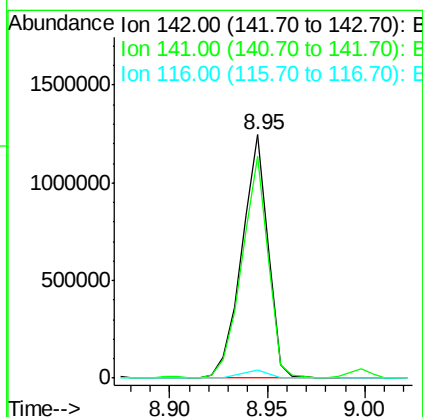
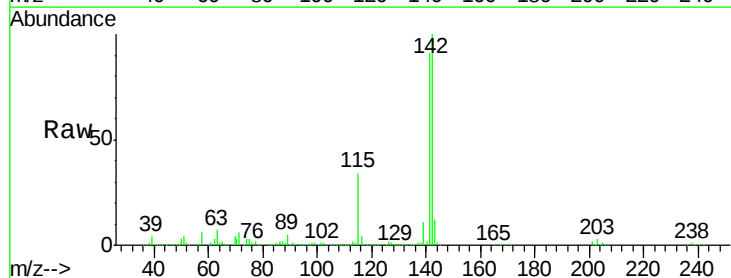
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

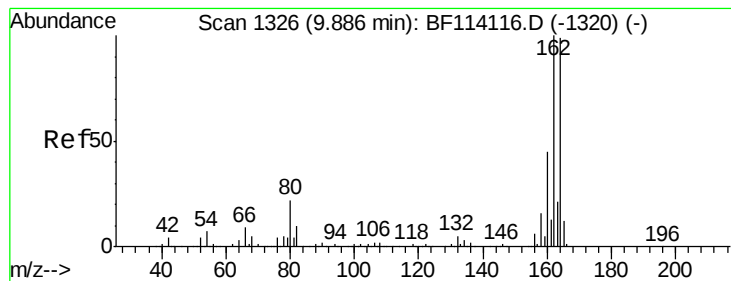
Tot Ion:142 Resp: 1221675
Ion Ratio Lower Upper
142 100
141 87.9 72.1 108.1
115 33.6 28.0 42.0



#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:142 Resp: 1153626
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

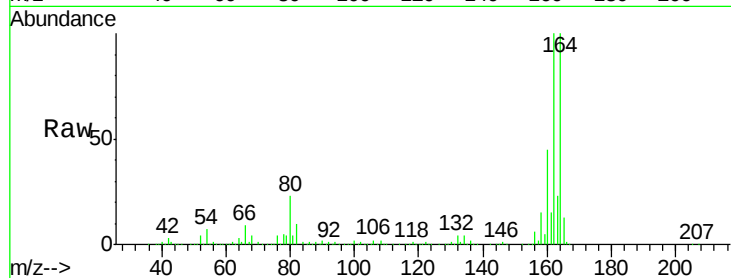
Tot Ion:164 Resp: 466741

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

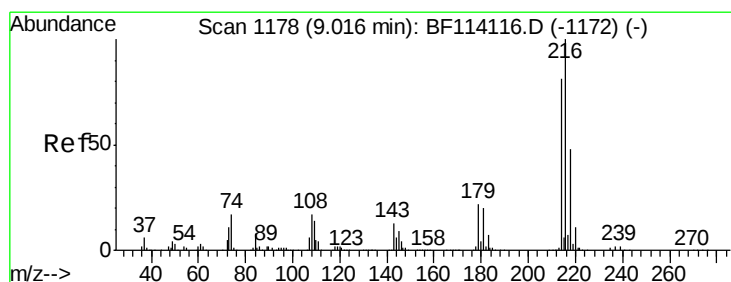
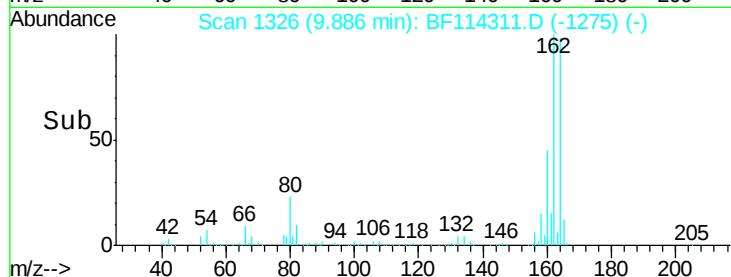
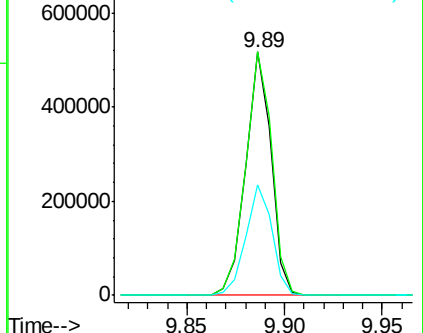
160 45.2 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 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:216 Resp: 551888

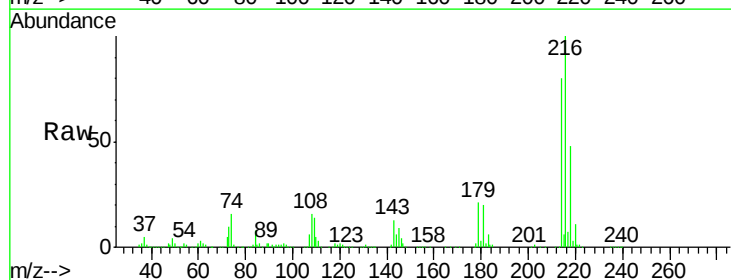
Ion Ratio Lower Upper

216 100

214 79.4 63.9 95.9

179 21.2 17.0 25.6

108 19.0 14.8 22.2

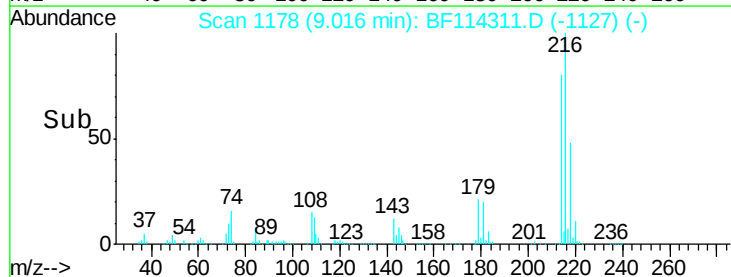
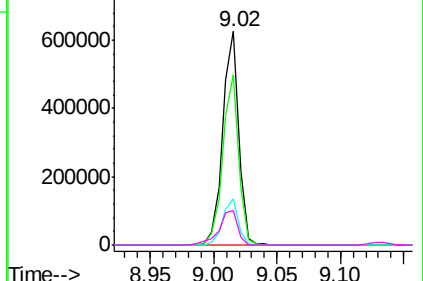


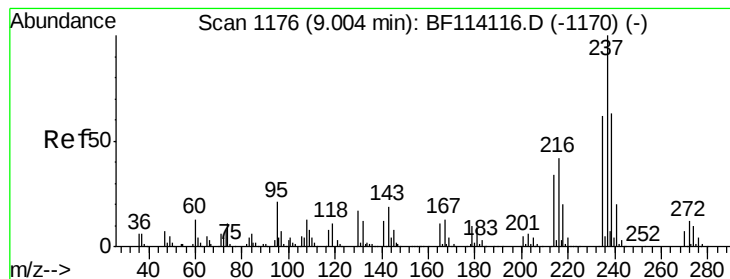
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 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

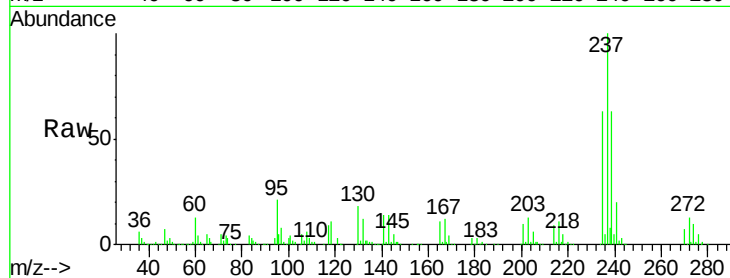
Tot Ion:237 Resp: 297080

Ion Ratio Lower Upper

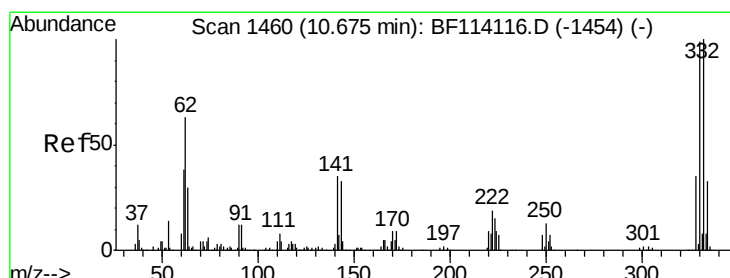
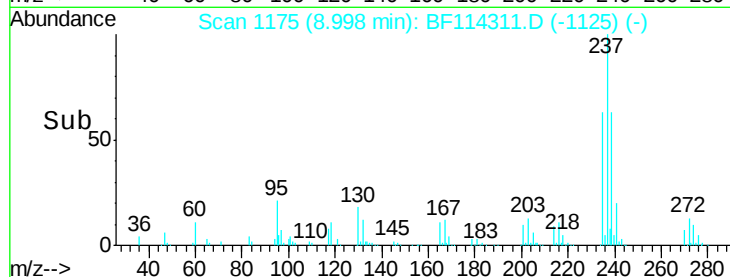
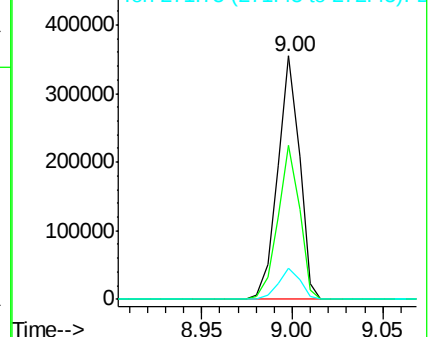
237 100

235 63.2 42.0 82.0

272 12.9 0.0 32.4



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

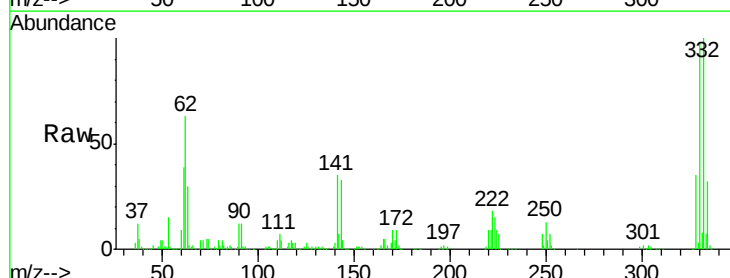
Tgt Ion:330 Resp: 515564

Ion Ratio Lower Upper

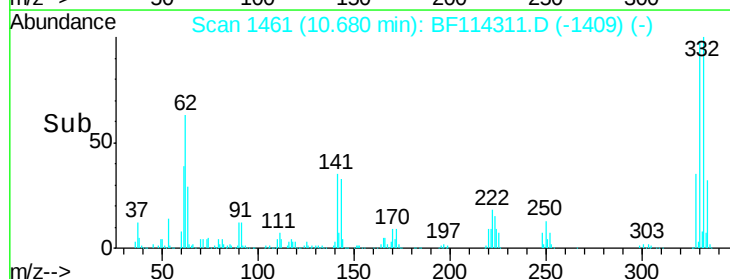
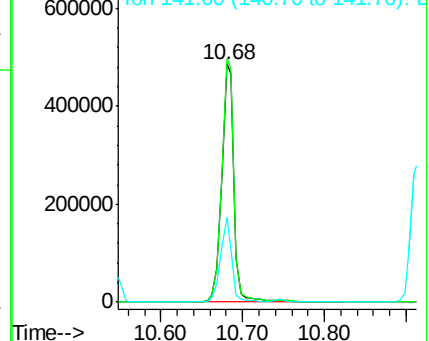
330 100

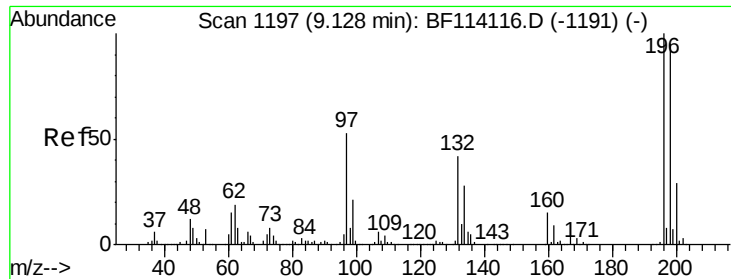
332 101.7 81.4 122.2

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

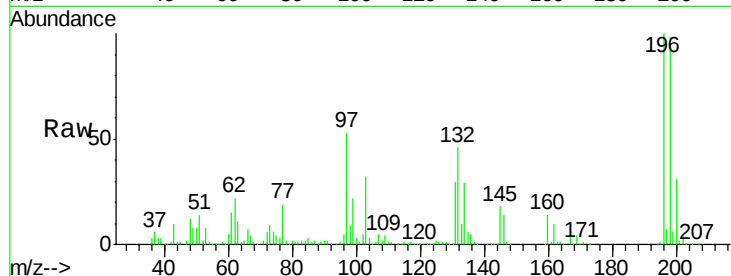




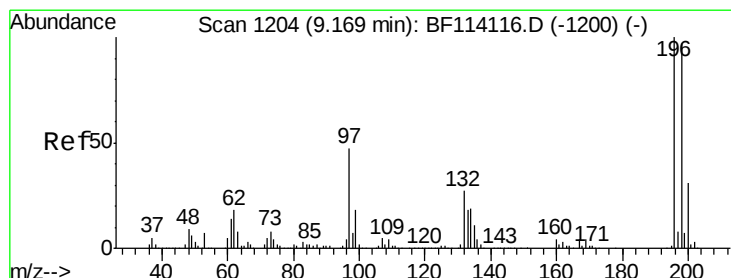
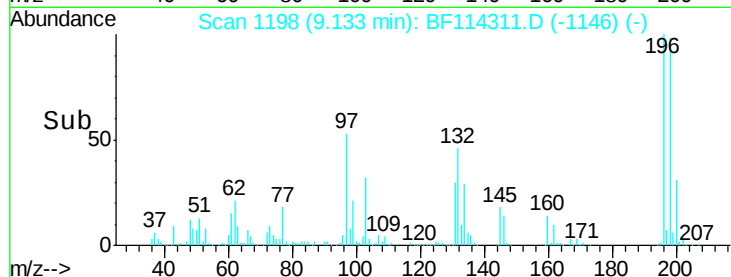
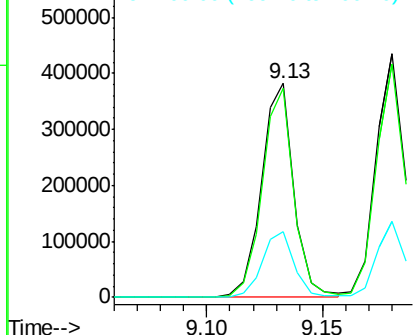
#43
 2,4,6-Trichlorophenol
 Concen: 38.270 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

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

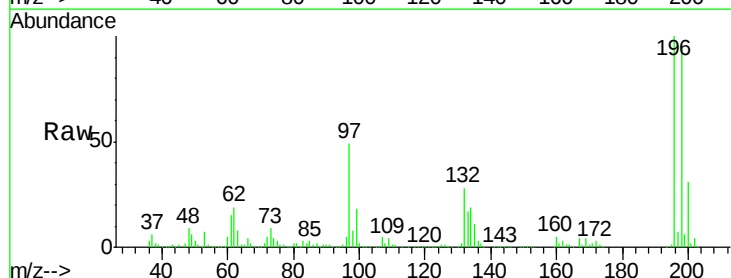


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

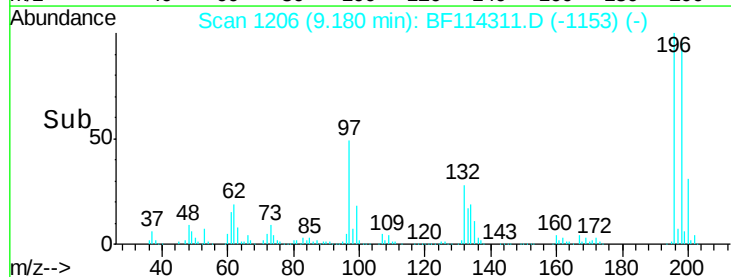
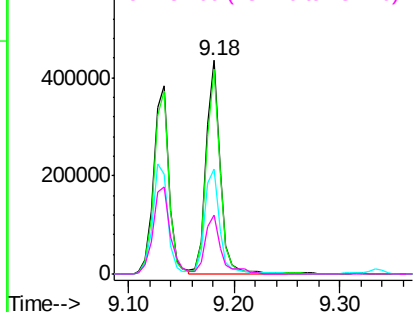


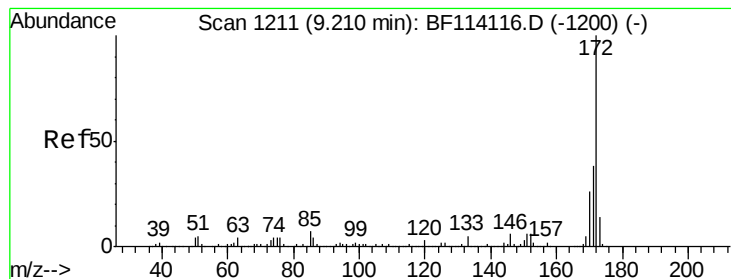
#44
 2,4,5-Trichlorophenol
 Concen: 40.125 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

Tgt Ion:196 Resp: 400181
 Ion Ratio Lower Upper
 196 100
 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

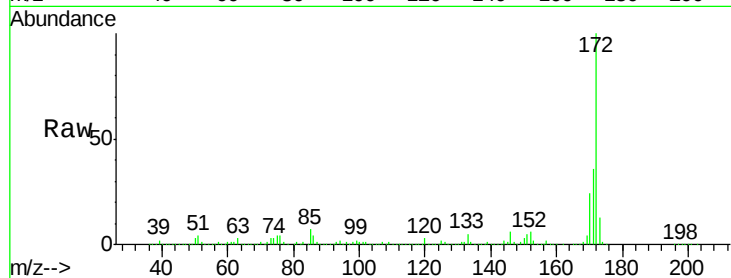
Tot Ion:172 Resp: 2281112

Ion Ratio Lower Upper

172 100

171 36.4 30.7 46.1

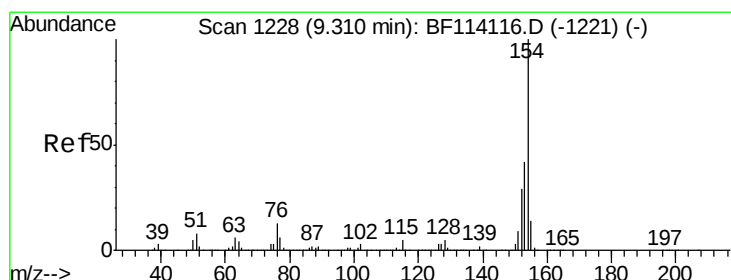
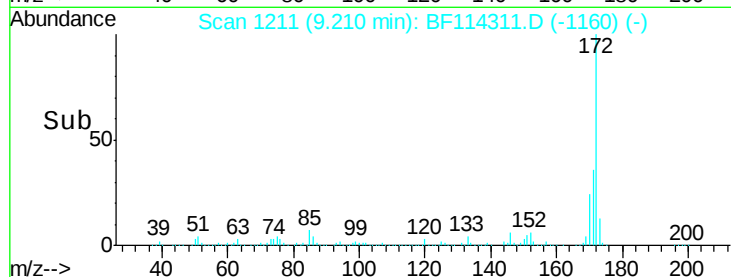
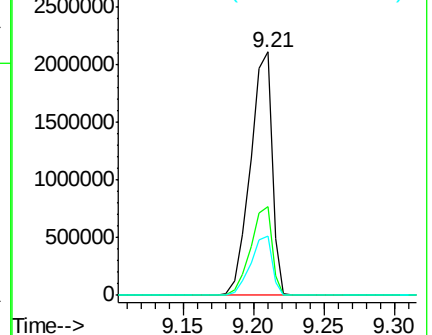
170 24.5 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 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

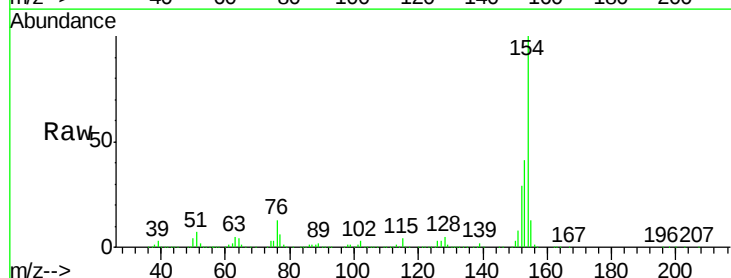
Tgt Ion:154 Resp: 1498913

Ion Ratio Lower Upper

154 100

153 40.9 21.9 61.9

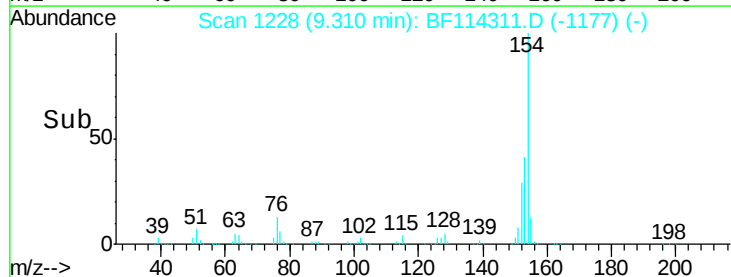
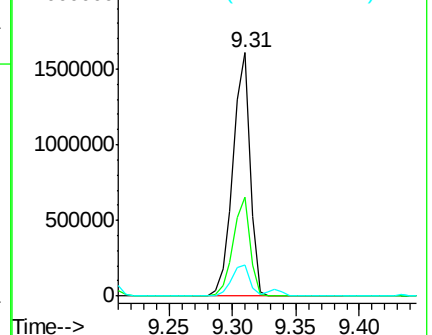
76 12.9 0.0 32.8

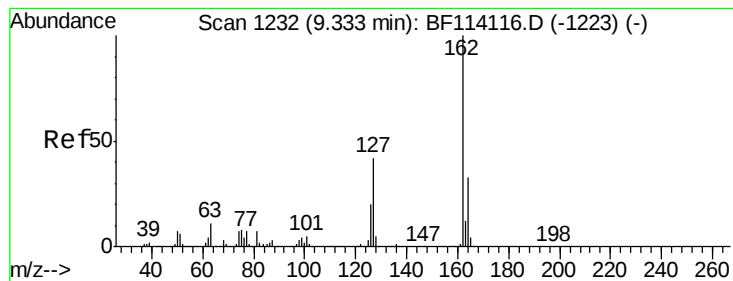


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 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

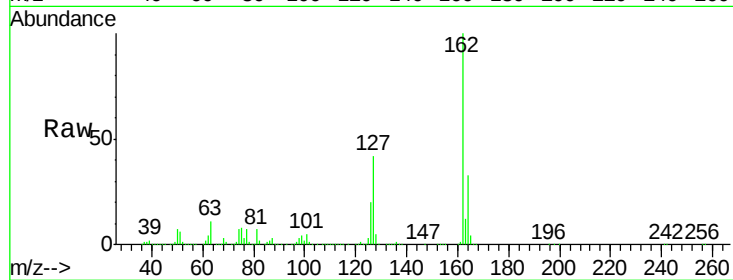
Tot Ion:162 Resp: 1145854

Ion Ratio Lower Upper

162 100

127 41.9 34.0 51.0

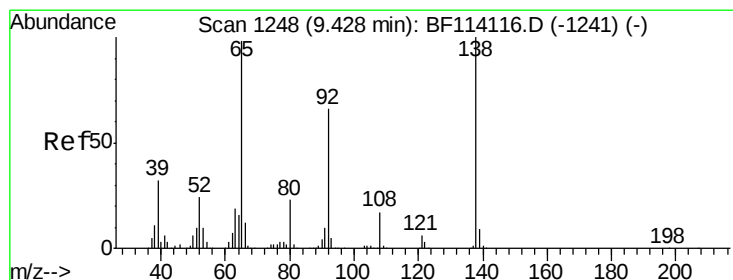
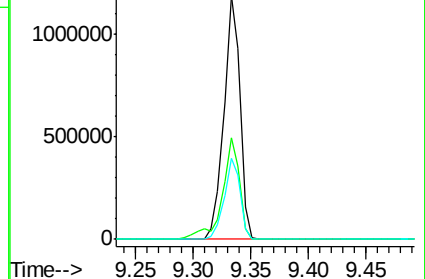
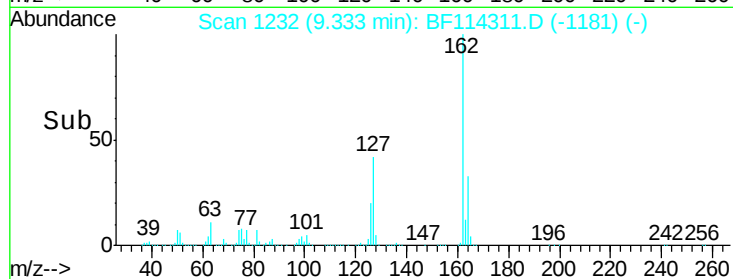
164 33.4 26.7 40.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 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

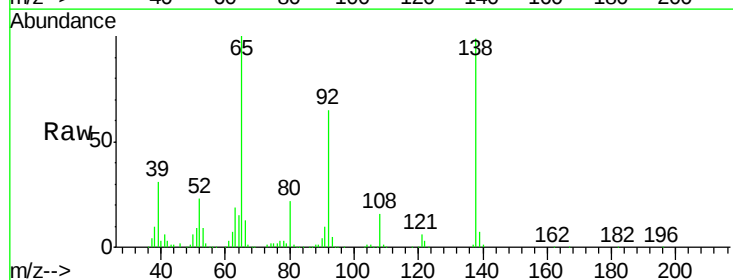
Tgt Ion: 65 Resp: 417500

Ion Ratio Lower Upper

65 100

92 64.7 53.9 80.9

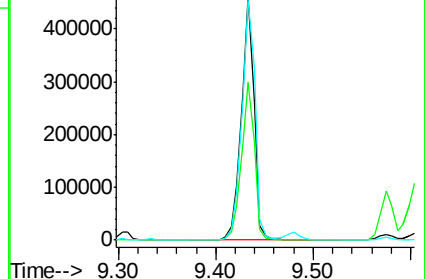
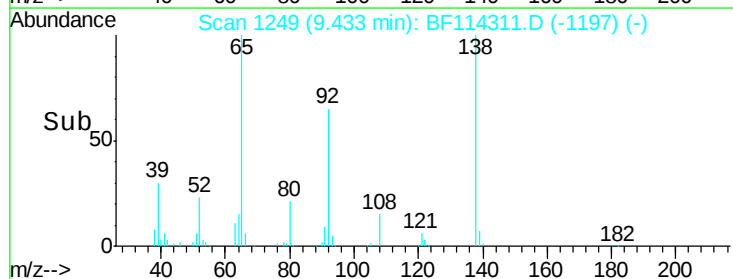
138 98.6 81.4 122.0

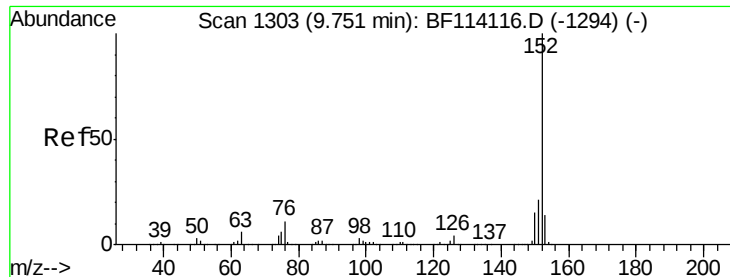


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 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

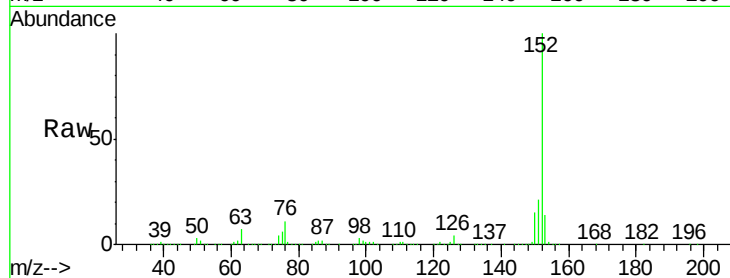
Tot Ion:152 Resp: 1819136

Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

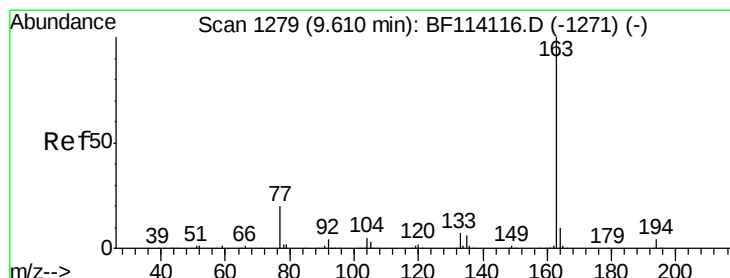
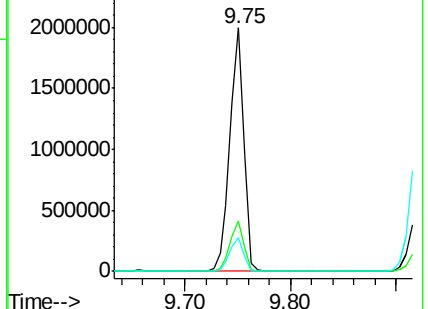
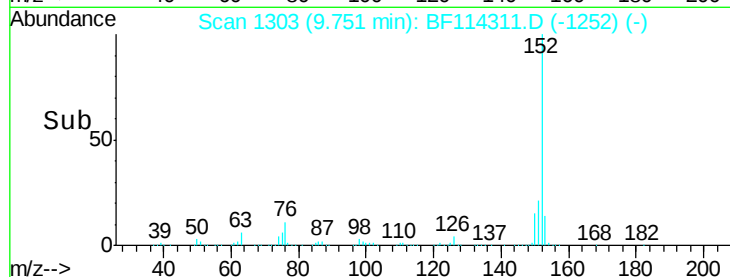
153 13.7 11.4 17.2



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

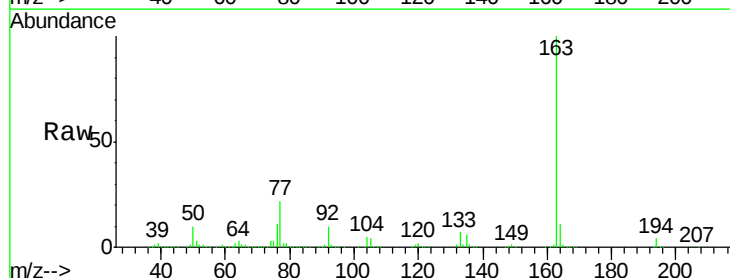
Tgt Ion:163 Resp: 1369949

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

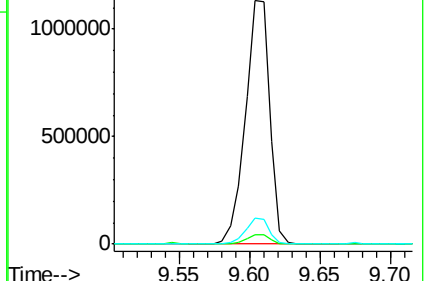
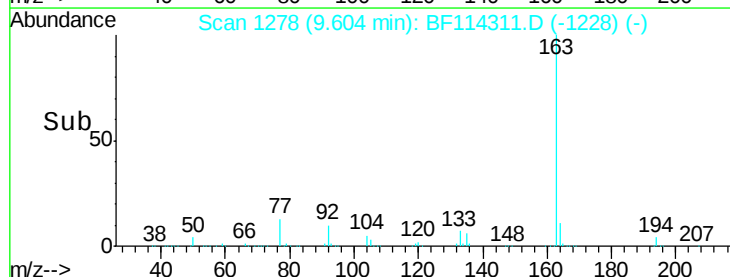
164 10.7 8.2 12.2

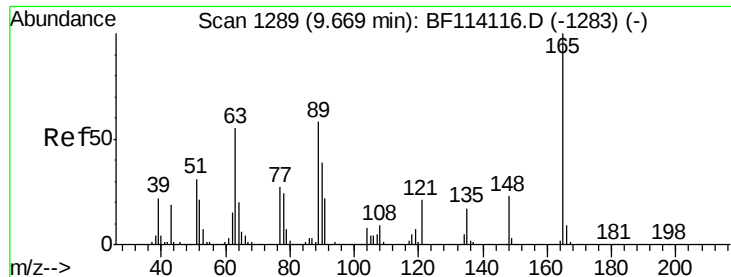


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

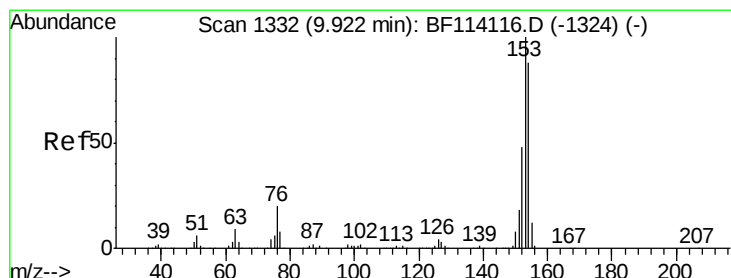
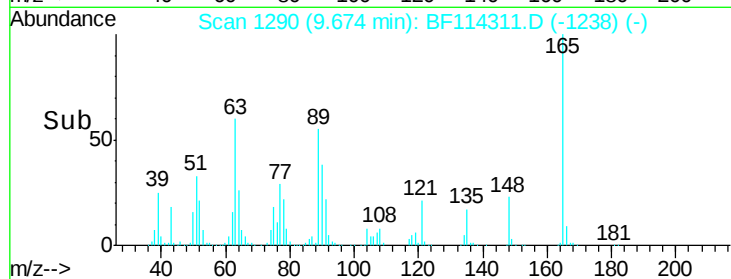
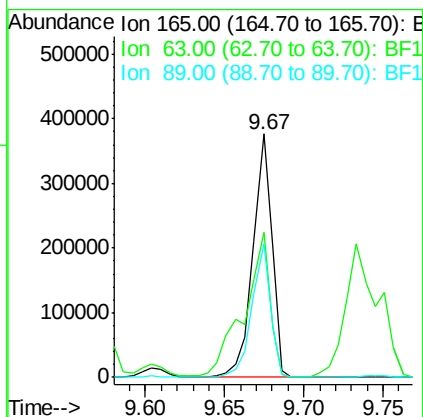
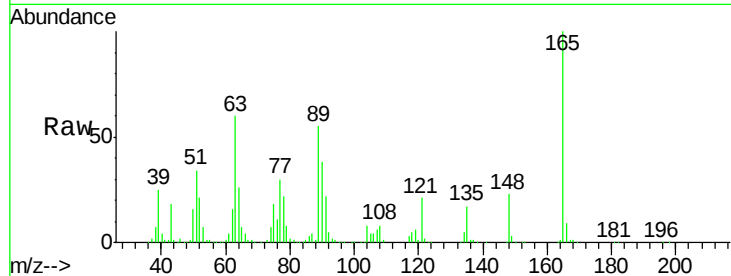




#51
 2,6-Dinitrotoluene
 Concen: 41.495 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

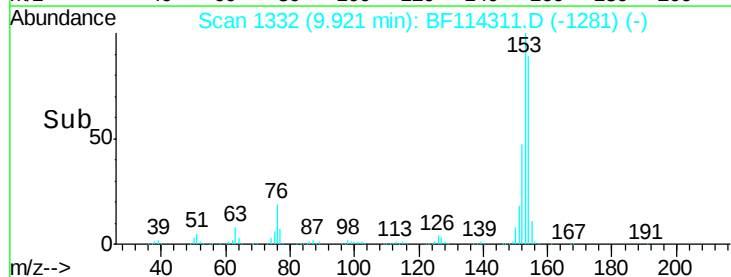
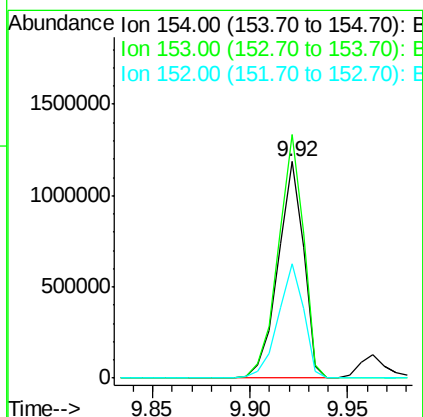
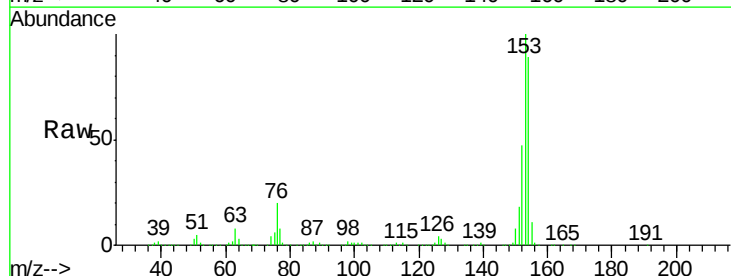
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

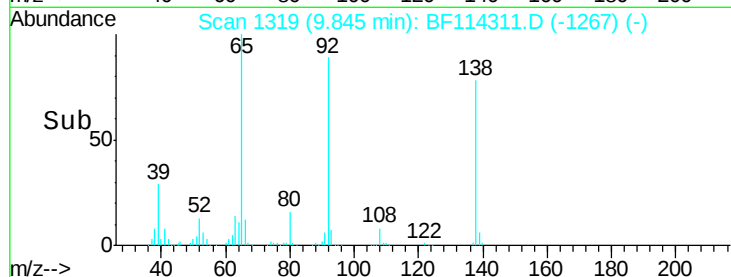
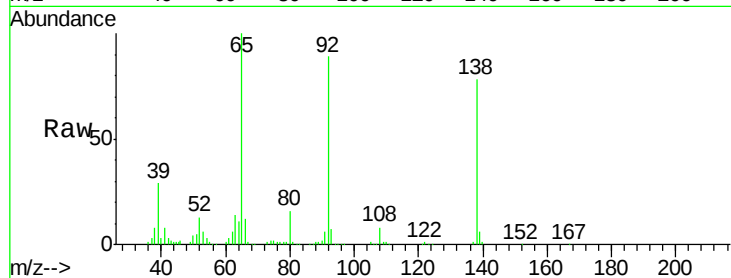
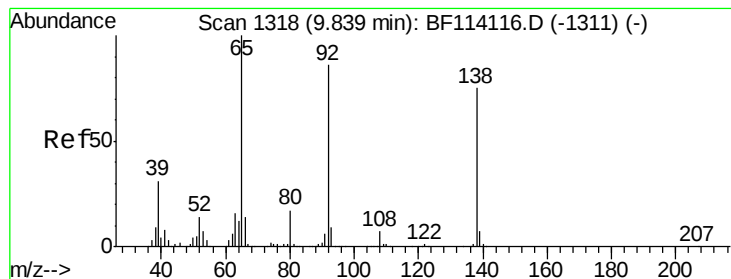
Tot Ion:165 Resp: 315346
 Ion Ratio Lower Upper
 165 100
 63 59.7 50.2 75.4
 89 55.1 46.6 69.8



#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:154 Resp: 1082014
 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

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

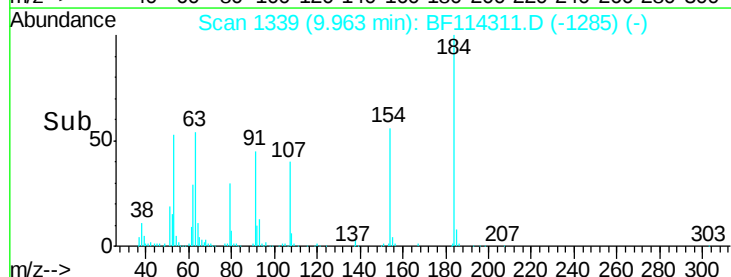
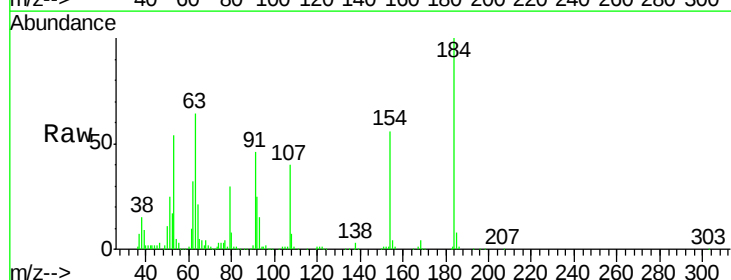
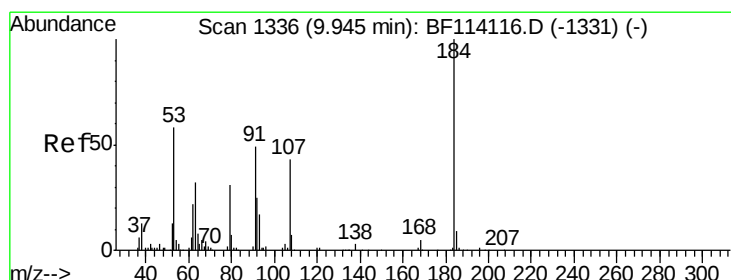
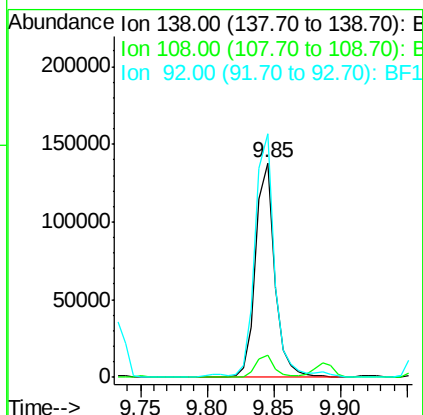
Tot Ion:138 Resp: 136009

Ion Ratio Lower Upper

138 100

108 10.3 7.8 11.6

92 113.5 91.2 136.8



#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

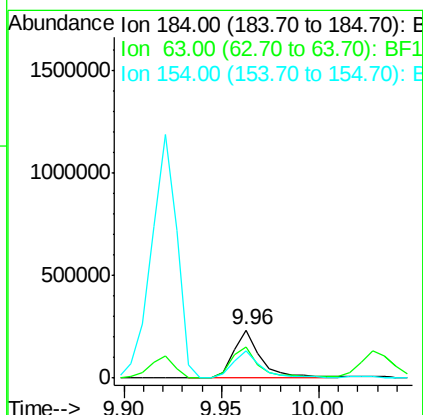
Tgt Ion:184 Resp: 228801

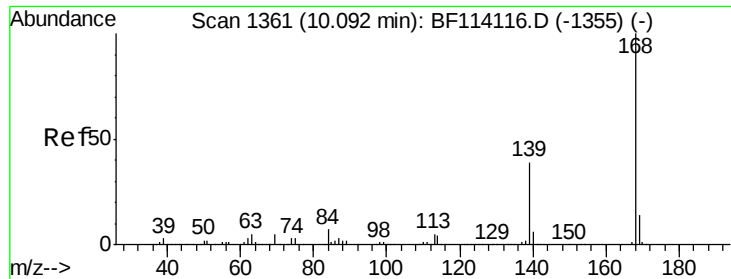
Ion Ratio Lower Upper

184 100

63 63.6 55.6 83.4

154 55.8 46.0 69.0





#55

Dibenzenofuran

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

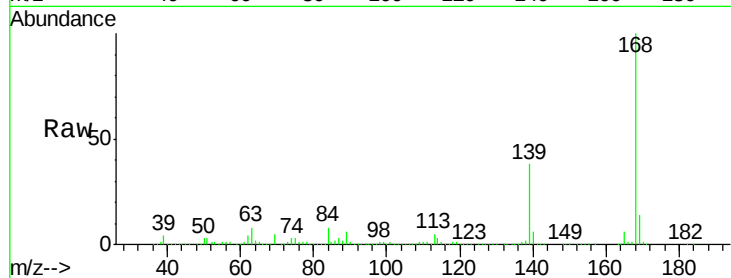
Tot Ion:168 Resp: 1589022

Ion Ratio Lower Upper

168 100

139 37.9 31.1 46.7

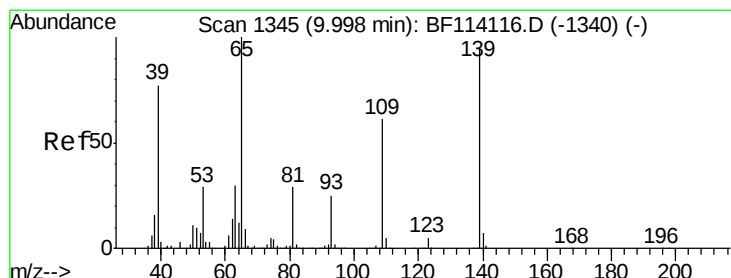
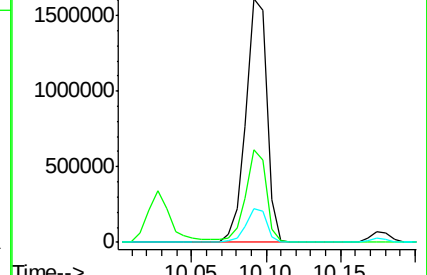
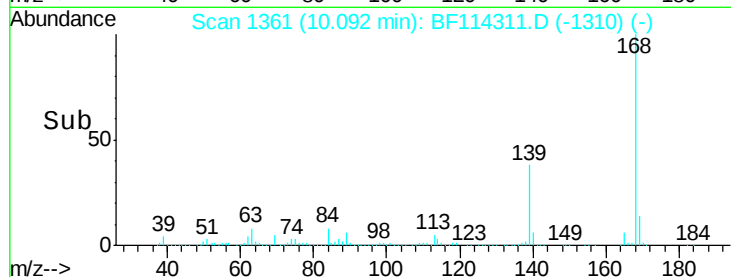
169 14.1 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 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

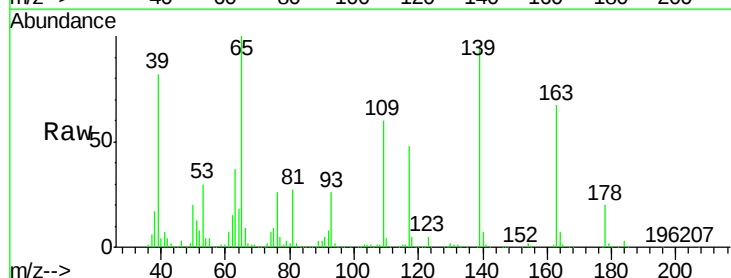
Tgt Ion:139 Resp: 364278

Ion Ratio Lower Upper

139 100

109 62.8 43.9 83.9

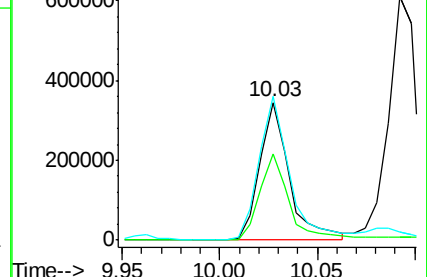
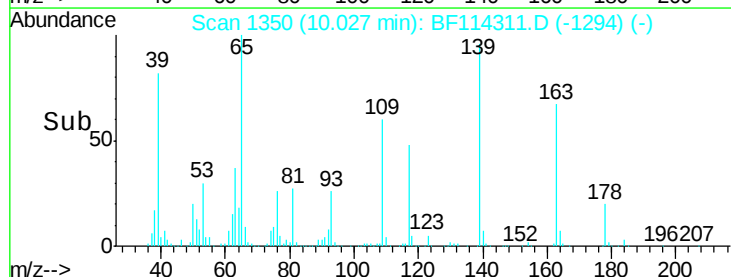
65 104.6 85.7 125.7

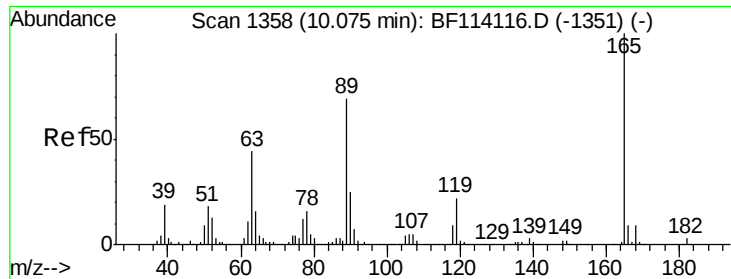


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 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:165 Resp: 399596

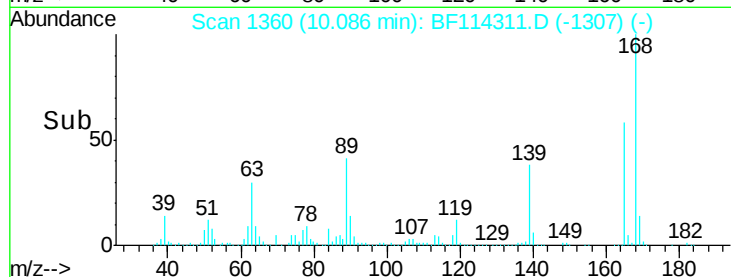
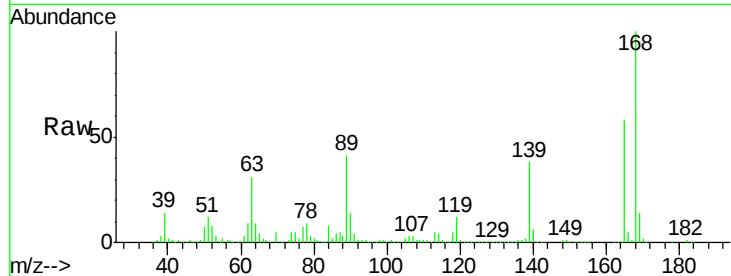
Ion Ratio Lower Upper

165 100

63 53.1 35.5 53.3

89 70.7 55.2 82.8

182 2.5 2.2 3.2

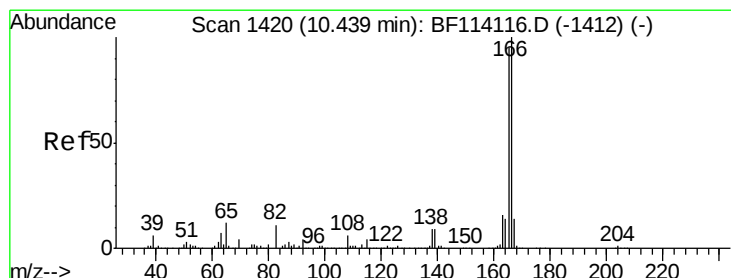
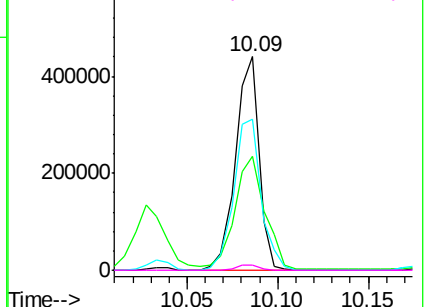


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 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

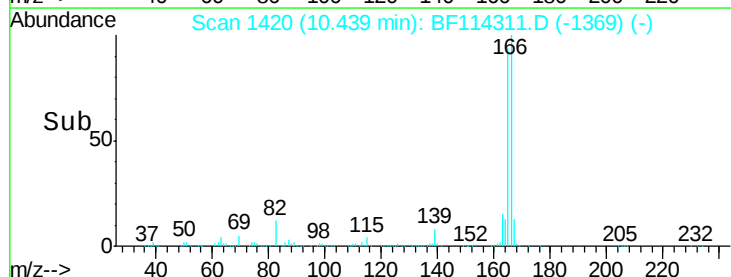
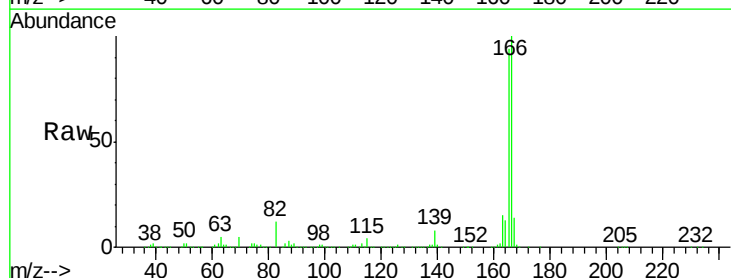
Tgt Ion:166 Resp: 1263687

Ion Ratio Lower Upper

166 100

165 94.1 76.1 114.1

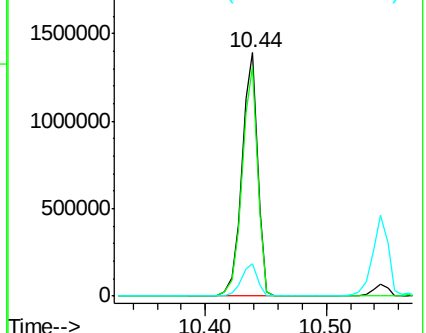
167 13.5 11.1 16.7

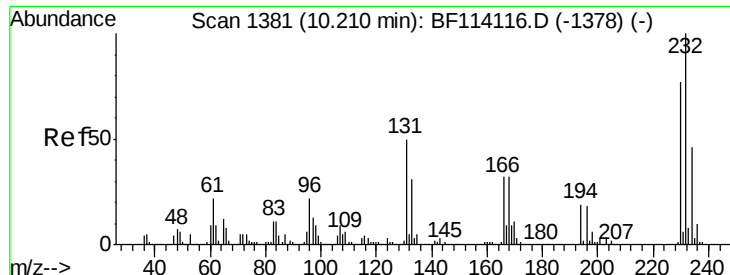


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

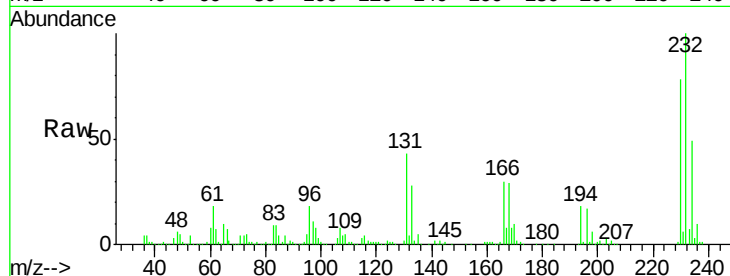




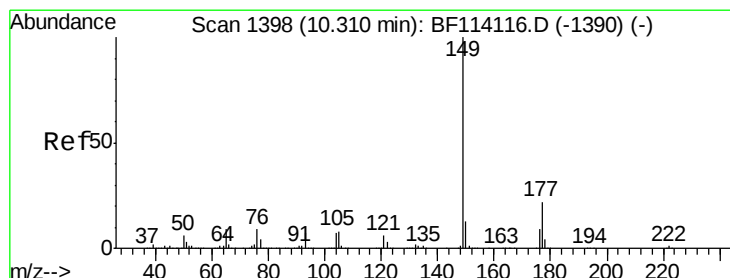
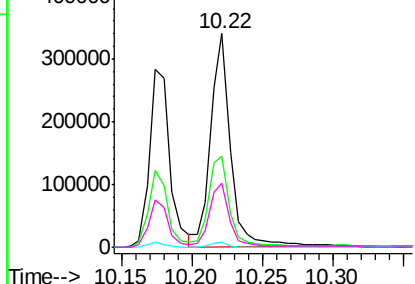
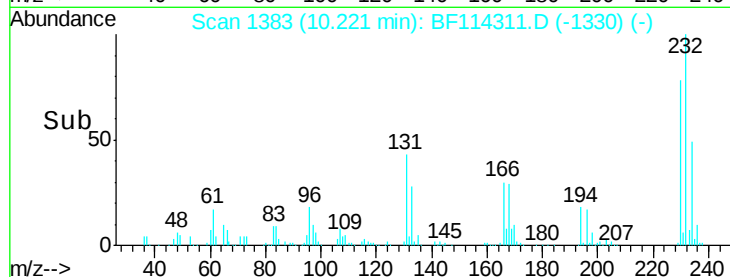
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.595 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

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

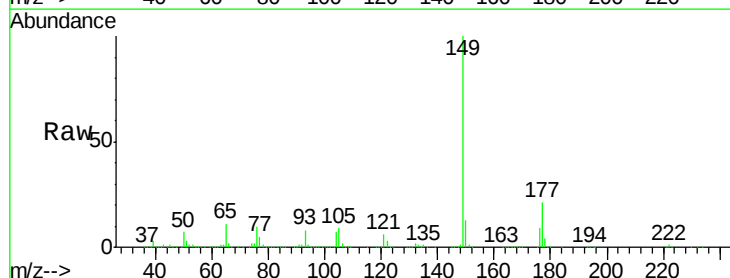


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

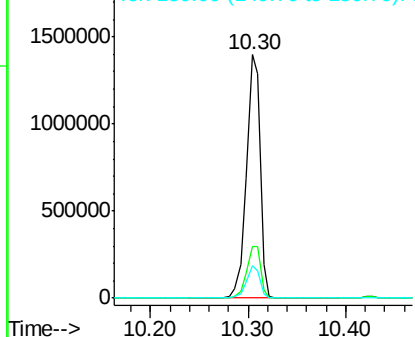
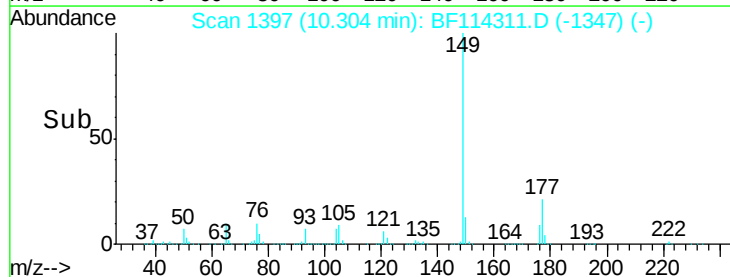


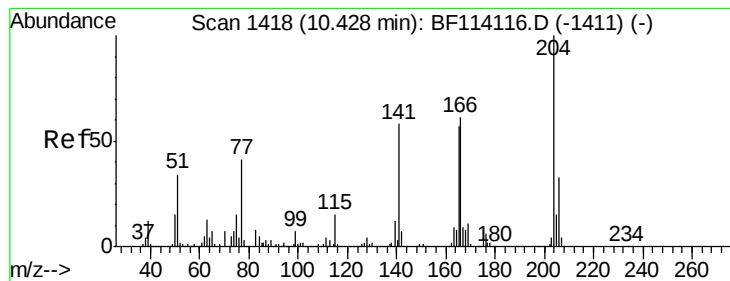
#60
Diethylphthalate
Concen: 38.973 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

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

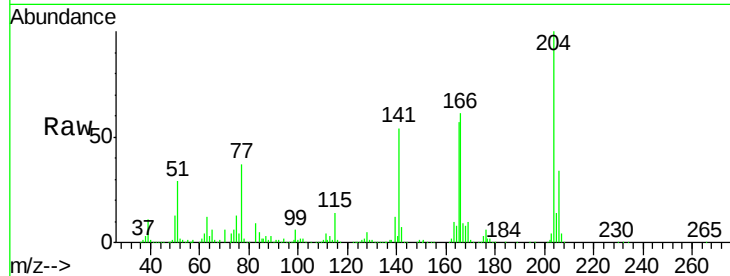
Tot Ion:204 Resp: 608092

Ion Ratio Lower Upper

204 100

206 33.6 26.6 39.8

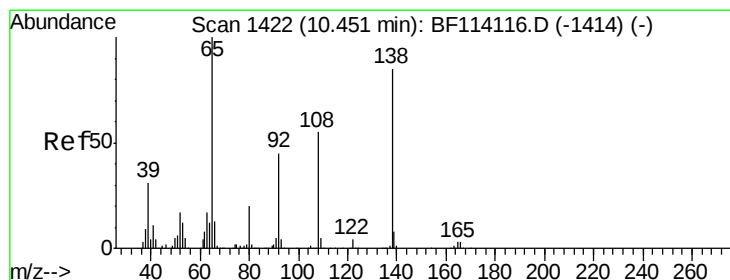
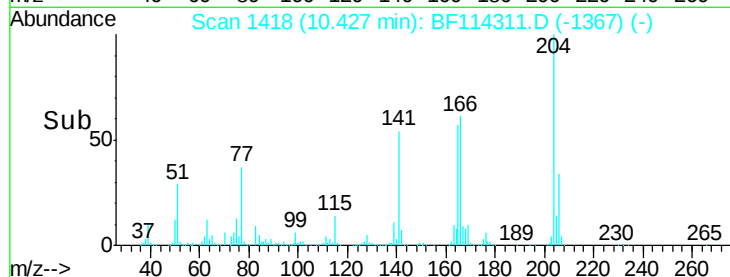
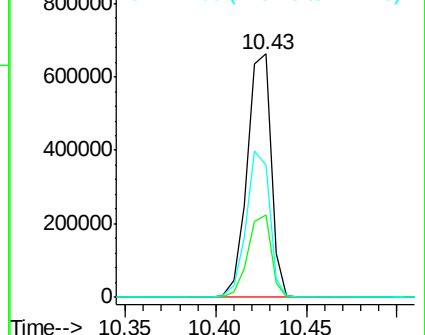
141 54.5 46.4 69.6



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 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

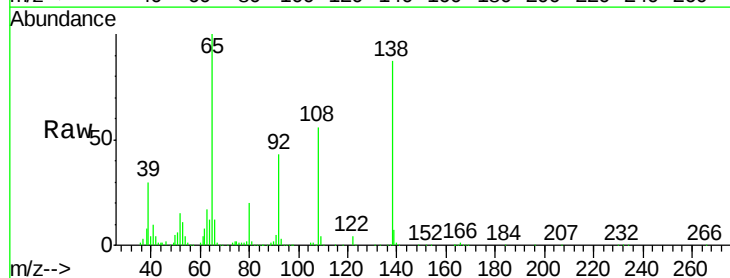
Tgt Ion:138 Resp: 333757

Ion Ratio Lower Upper

138 100

92 49.5 33.0 73.0

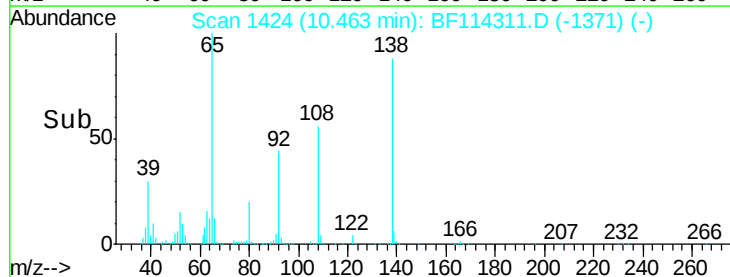
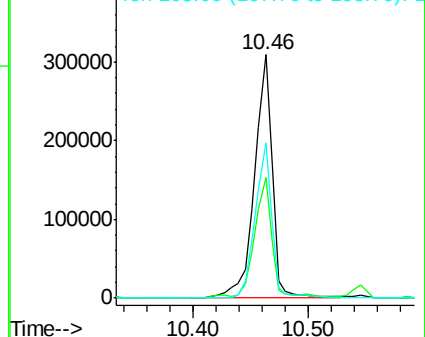
108 63.5 44.9 84.9

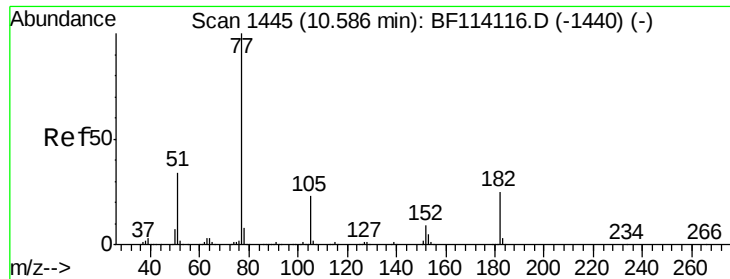


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 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: 77 Resp: 1330440

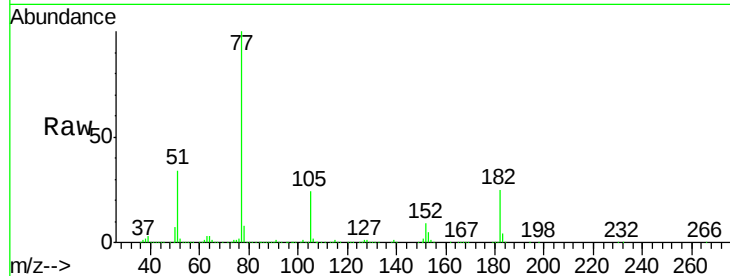
Ion Ratio Lower Upper

77 100

182 25.1 4.7 44.7

105 23.6 2.9 42.9

51 34.1 14.6 54.6

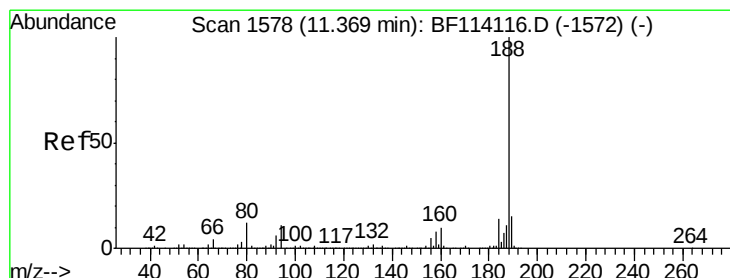
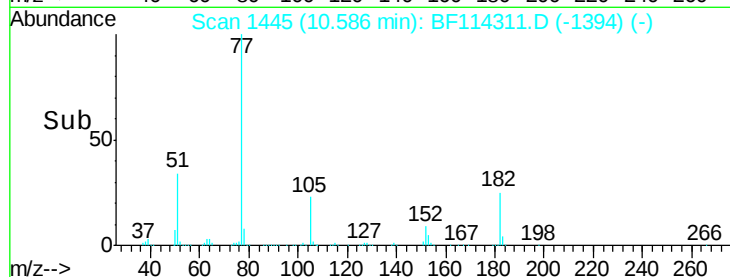
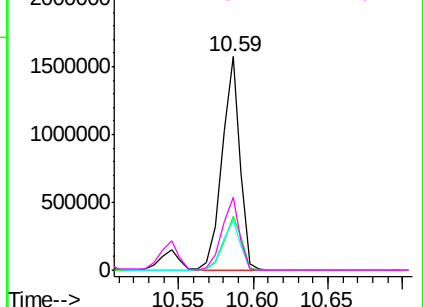


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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

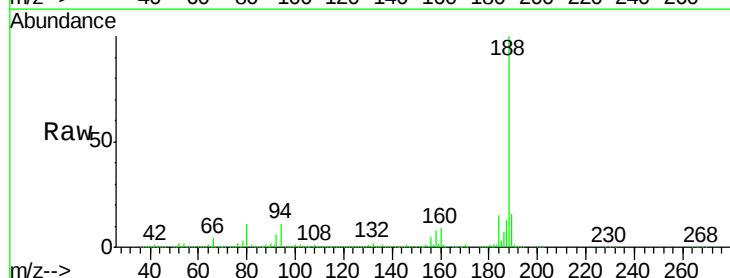
Tgt Ion: 188 Resp: 934290

Ion Ratio Lower Upper

188 100

94 10.5 8.4 12.6

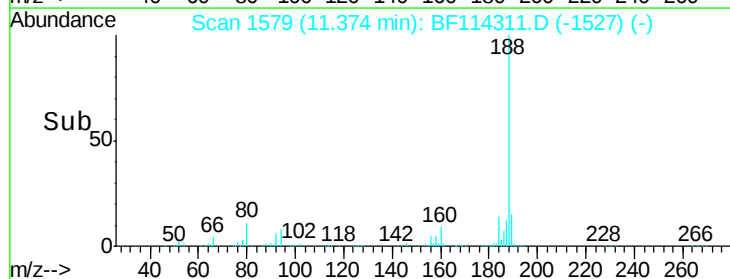
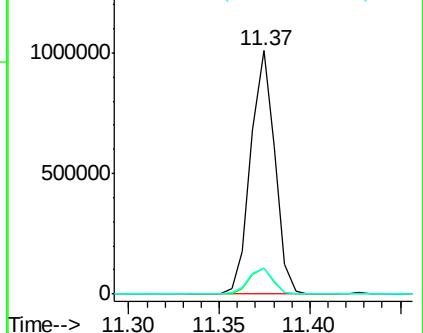
80 10.9 9.2 13.8

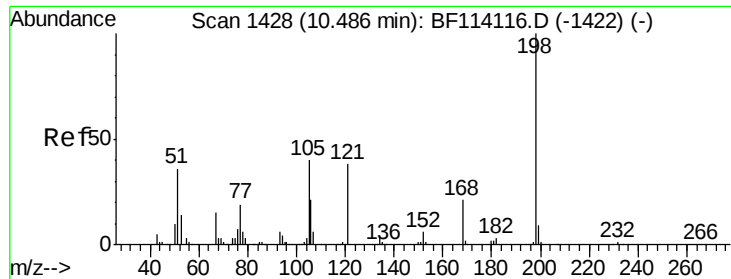


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

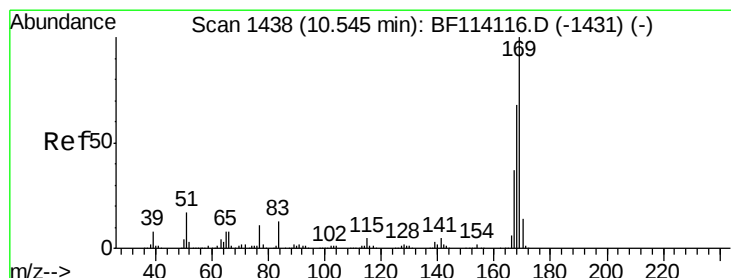
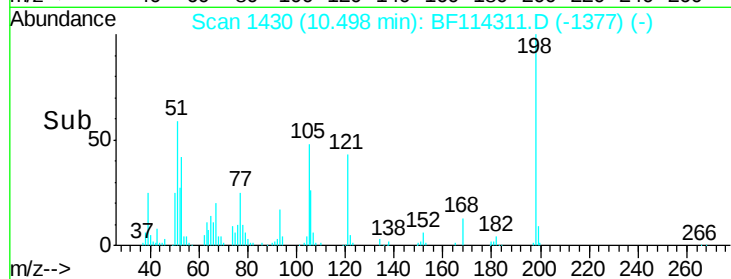
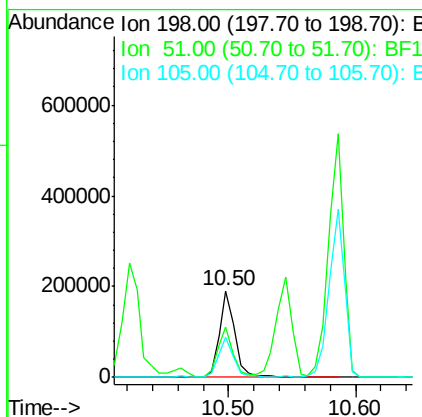
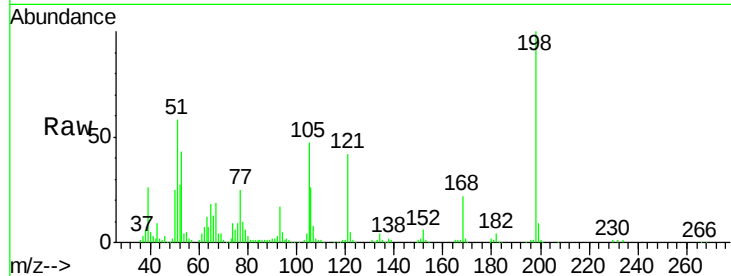




#65
4,6-Dinitro-2-methylphenol
Concen: 37.004 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

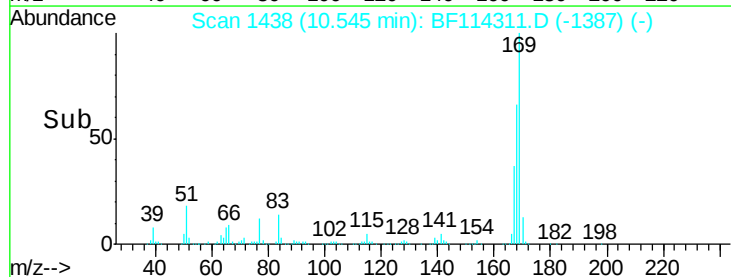
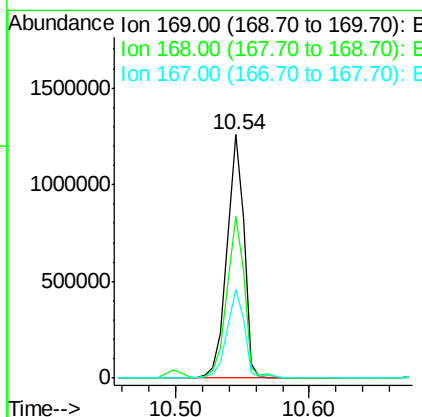
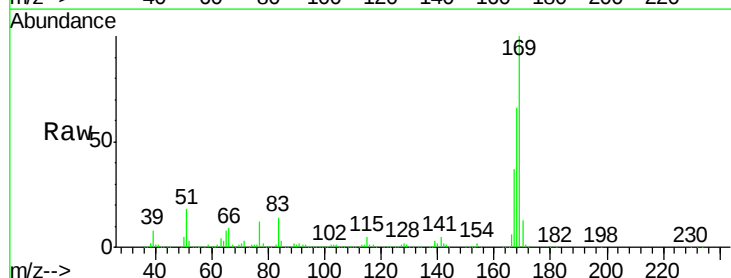
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

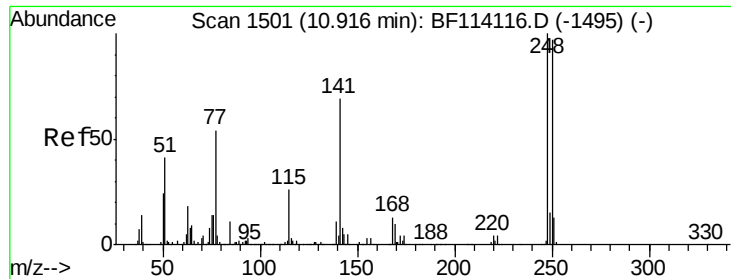
Tot Ion:198 Resp: 166123
Ion Ratio Lower Upper
198 100
51 58.3 28.0 68.0
105 46.9 21.1 61.1



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

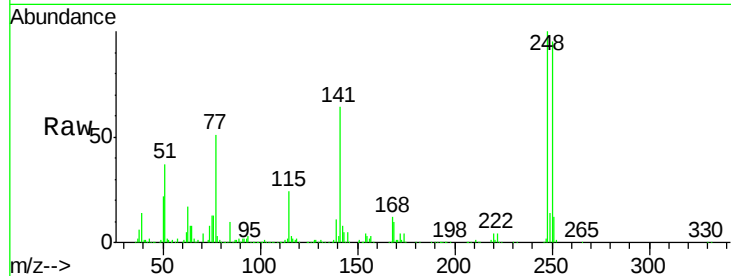




#67
4-Bromophenyl-phenylether
Concen: 38.254 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

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

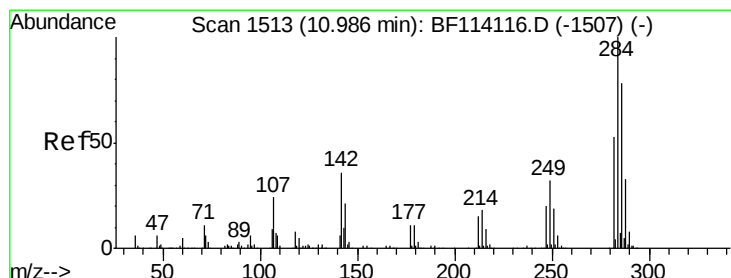
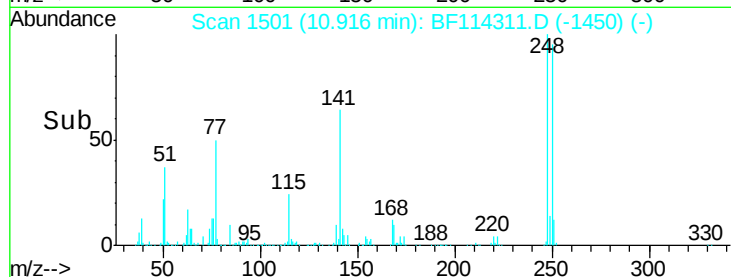
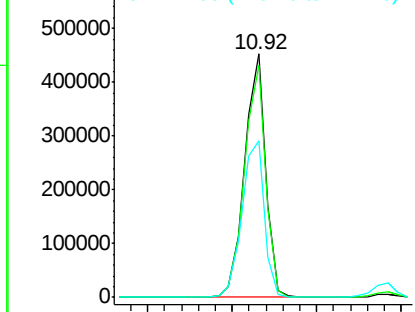


Abundance

Ion 248.00 (247.70 to 248.70): E

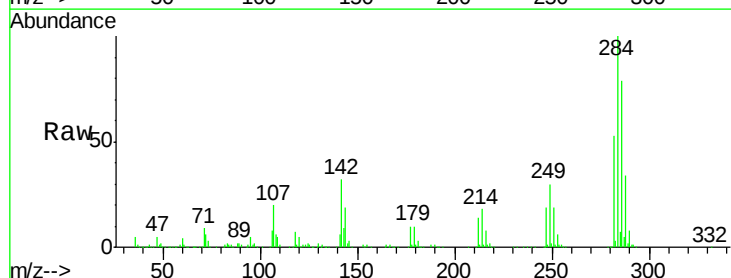
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 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

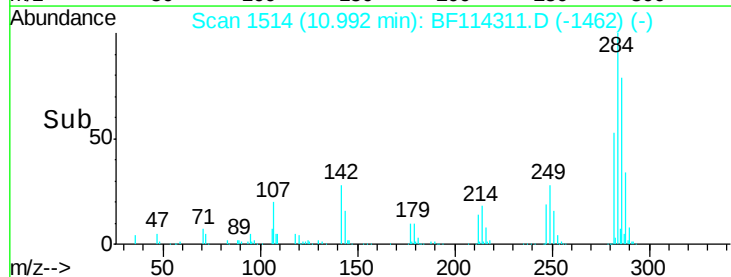
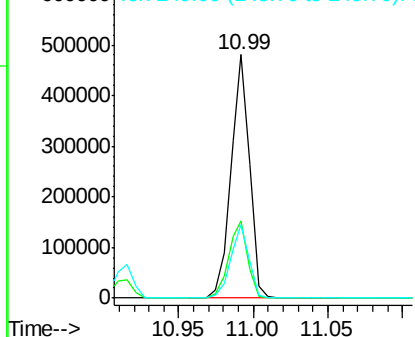


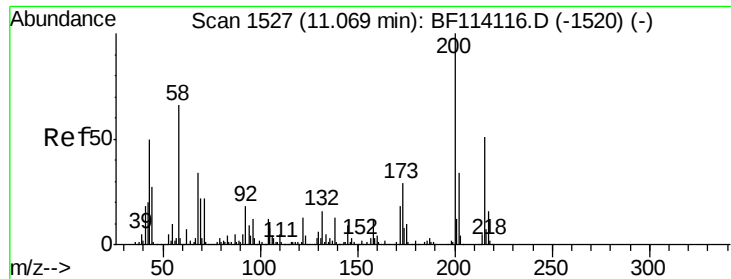
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

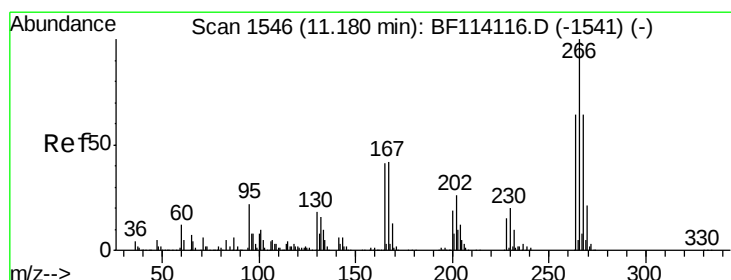
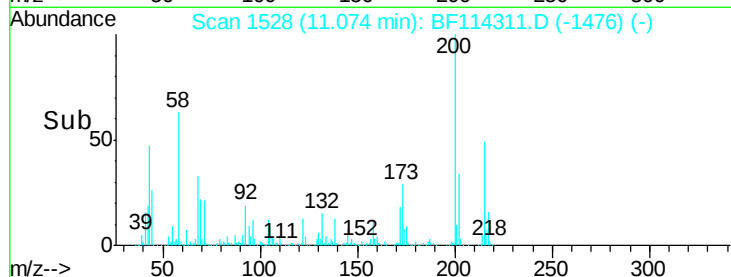
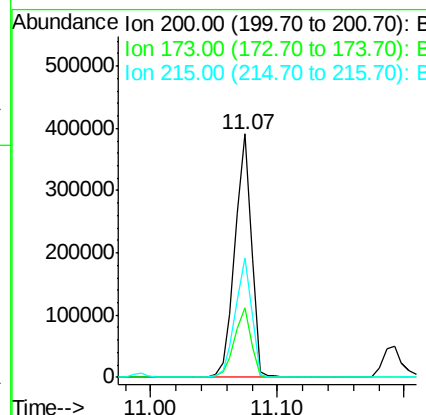
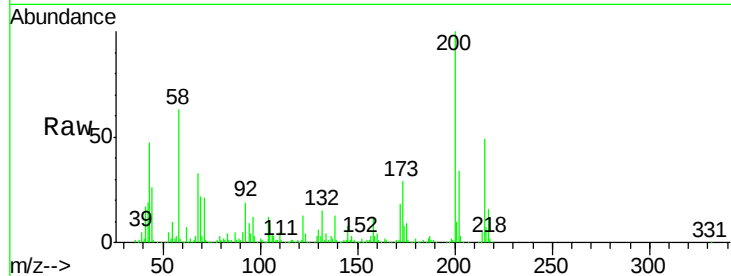




#69
Atrazine
Concen: 39.803 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

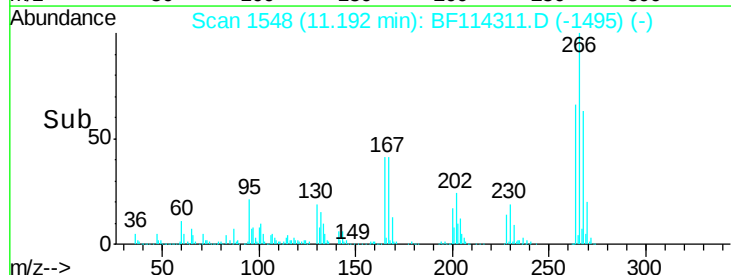
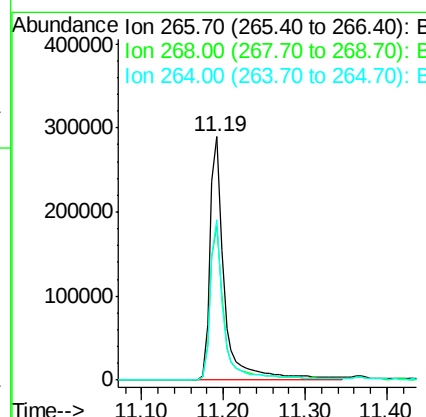
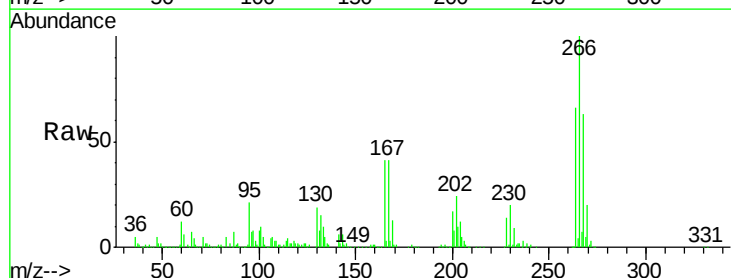
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

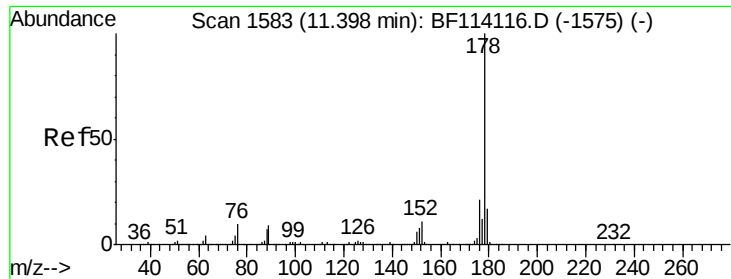
Tot Ion	Ratio	Lower	Upper
200	100		
173	28.8	8.9	48.9
215	48.9	30.7	70.7



#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	Lower	Upper
266	100		
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

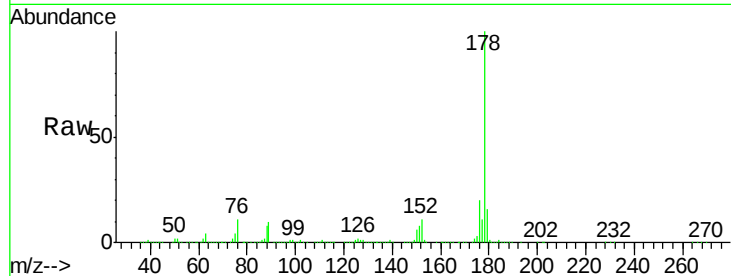
Tot Ion:178 Resp: 1810641

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

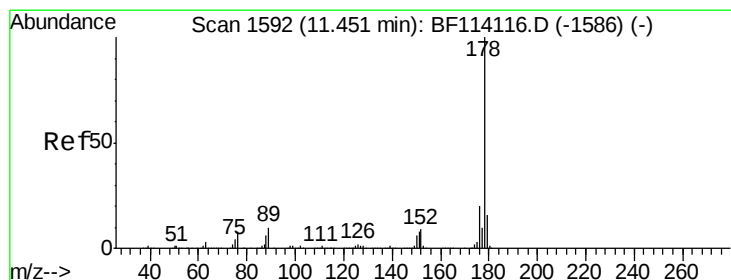
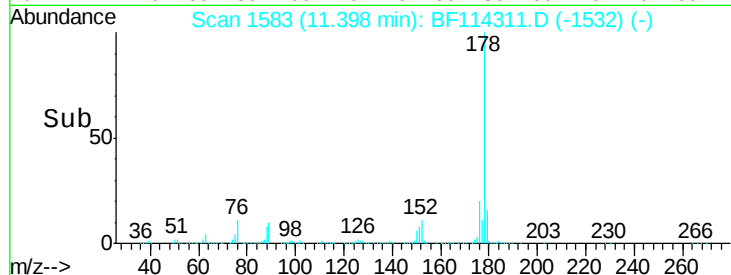
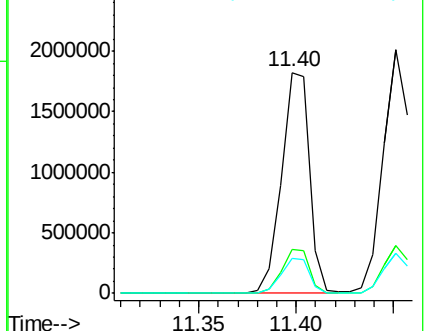
179 15.9 13.2 19.8



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

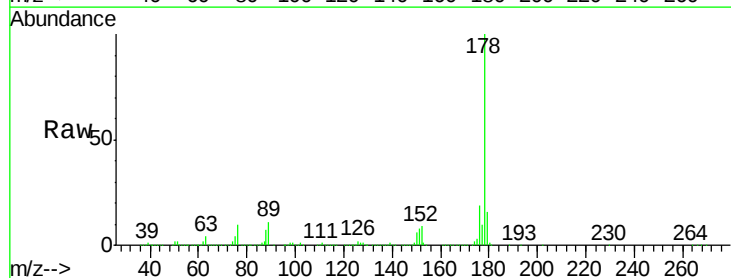
Tgt Ion:178 Resp: 1892733

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

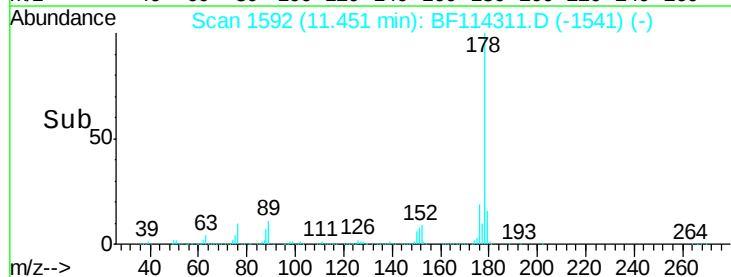
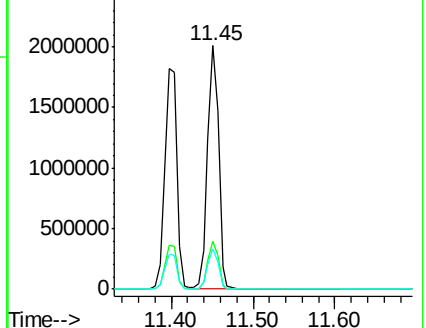
179 16.3 13.0 19.4

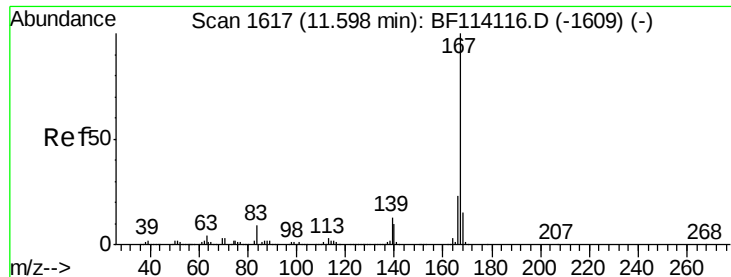


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

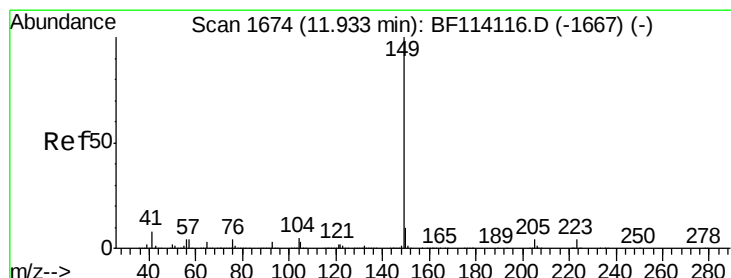
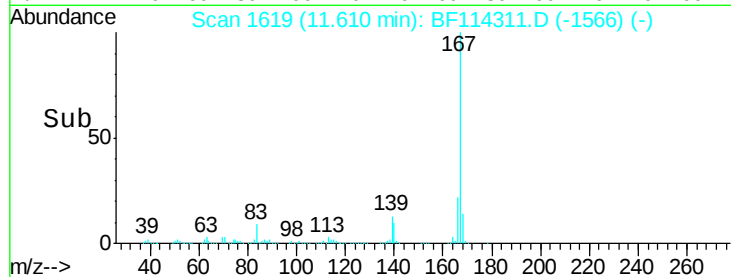
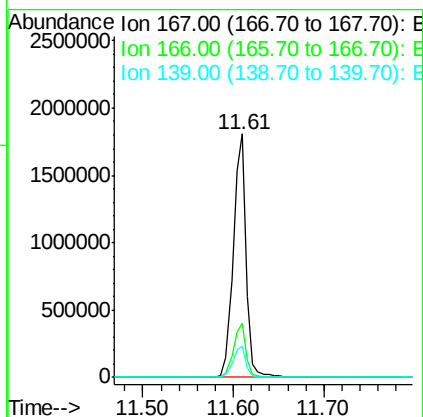
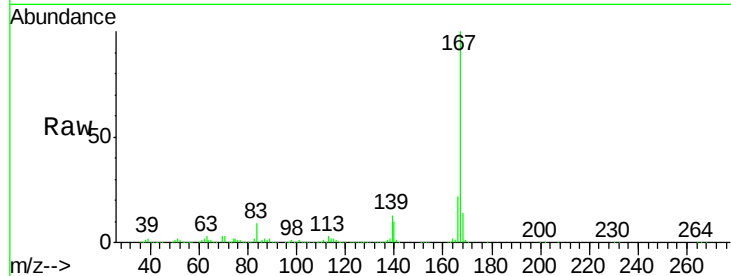




#73
 Carbazole
 Concen: 40.920 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF114311.D
 Acq: 16 May 2019 16:14

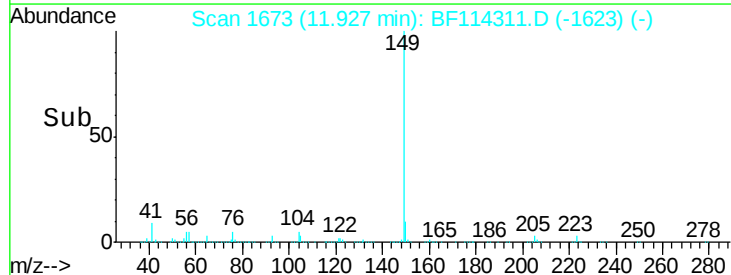
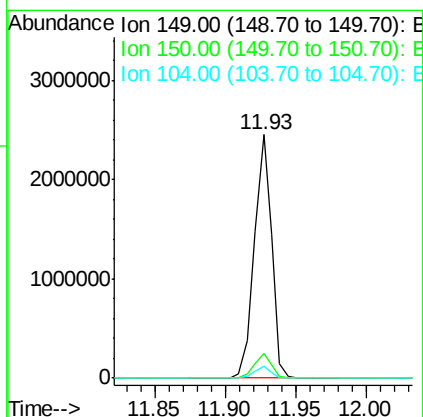
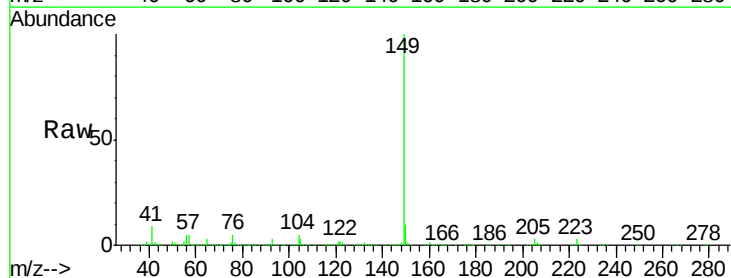
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

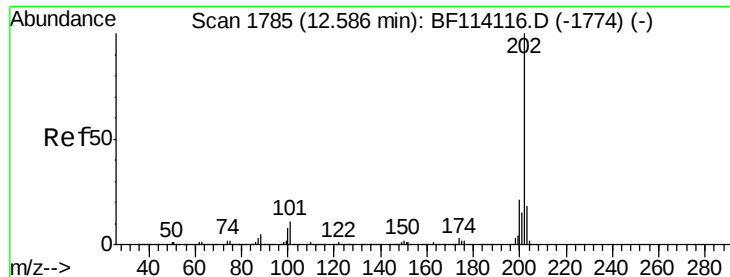
Tot Ion:167 Resp: 1781492
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.2
 139 12.7 10.6 16.0



#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

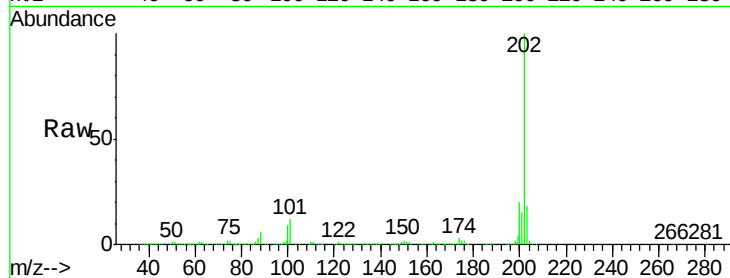
Tot Ion:202 Resp: 1943142

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.0

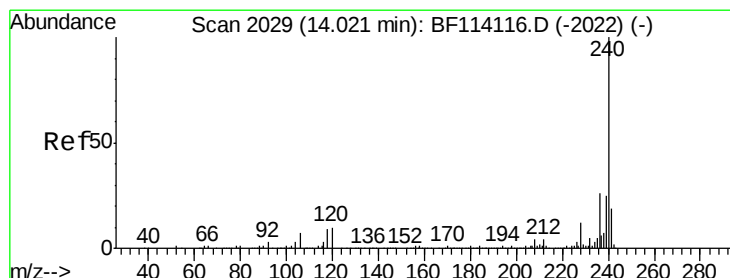
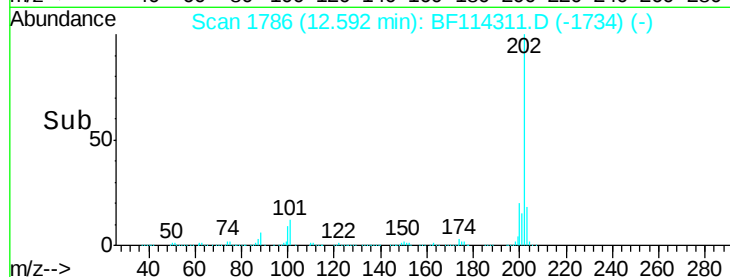
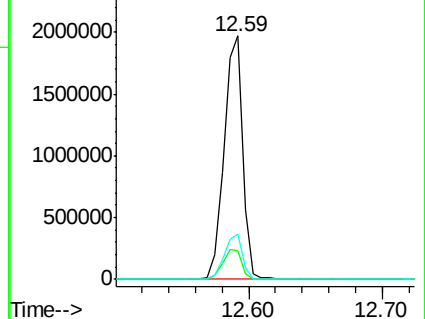
203 18.4 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#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

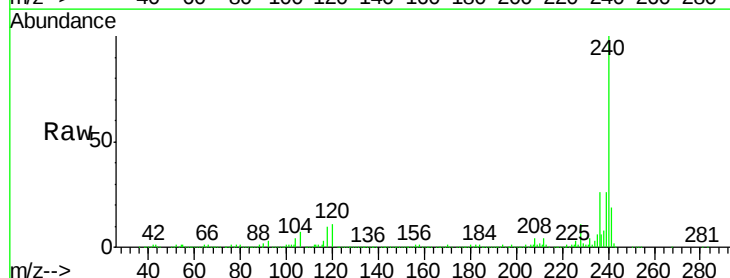
Tgt Ion:240 Resp: 591844

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

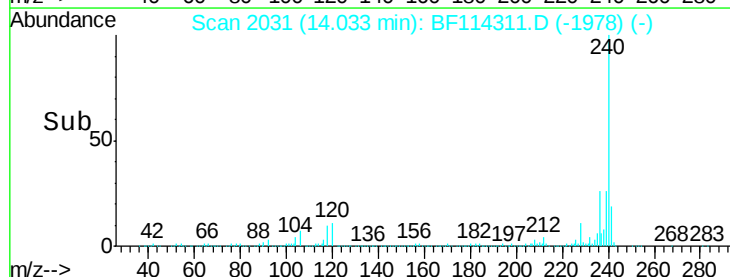
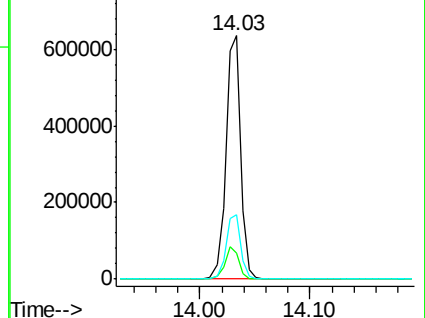
236 26.3 20.8 31.2

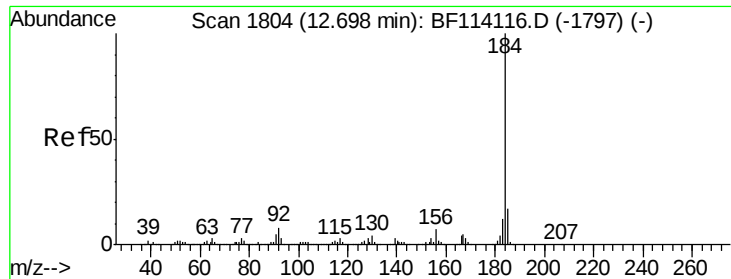


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#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

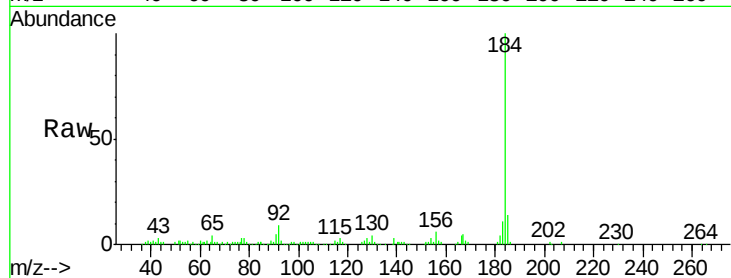
Tot Ion:184 Resp: 189634

Ion Ratio Lower Upper

184 100

185 14.0 13.6 20.4

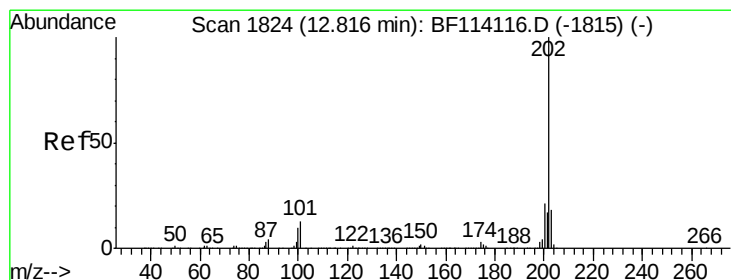
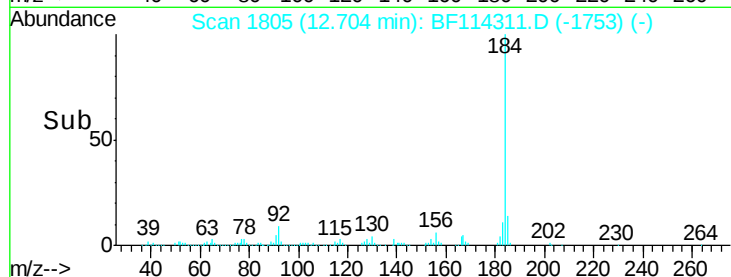
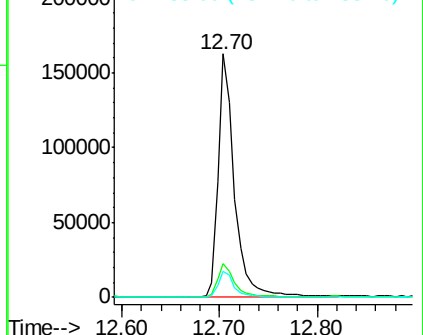
183 10.6 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 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

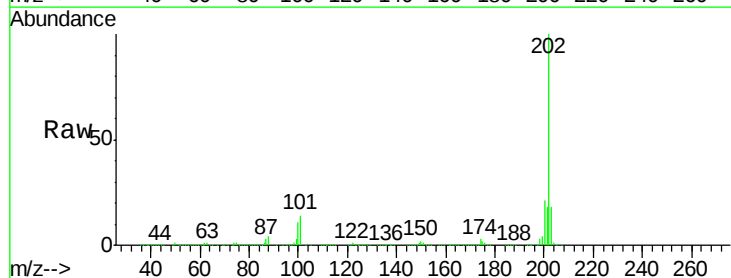
Tgt Ion:202 Resp: 1950256

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

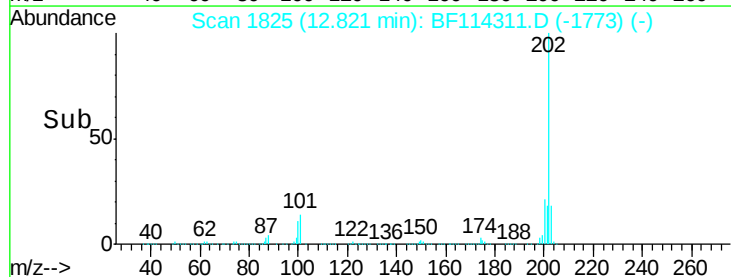
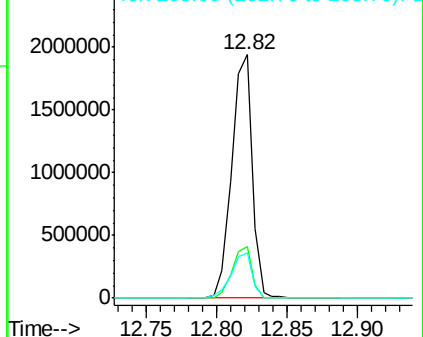
203 18.4 14.5 21.7

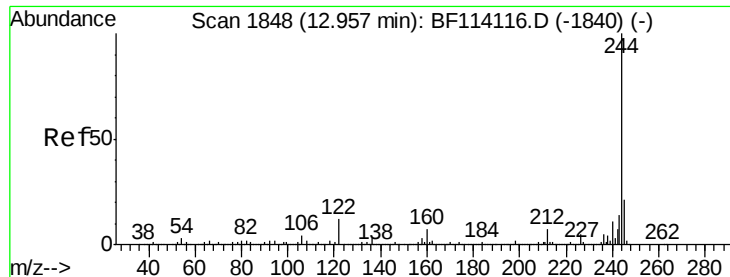


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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

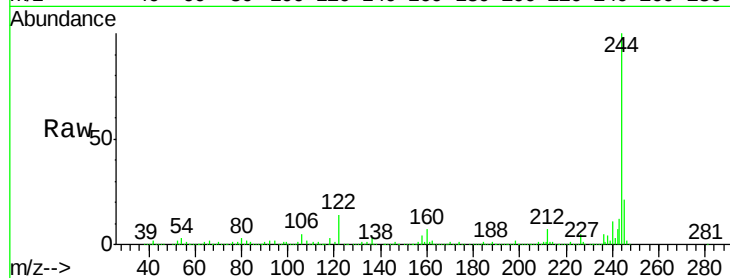
Tot Ion:244 Resp: 2264840

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

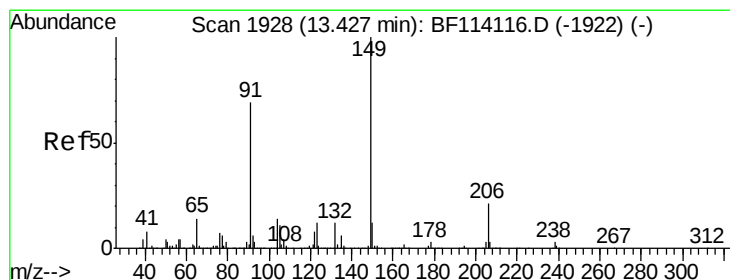
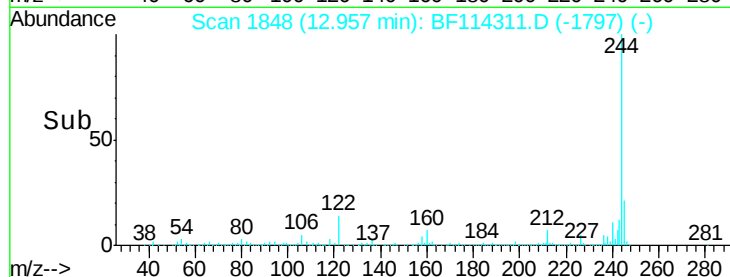
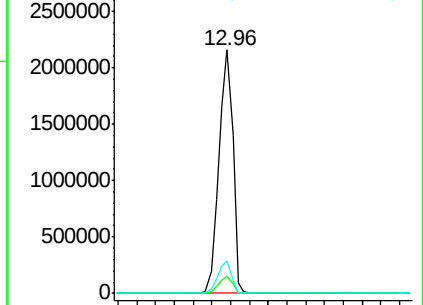
122 13.5 9.4 14.2



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

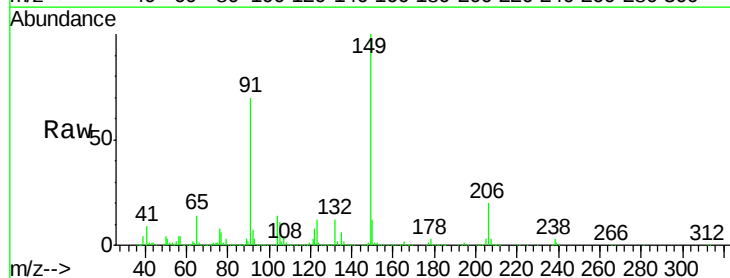
Tgt Ion:149 Resp: 895342

Ion Ratio Lower Upper

149 100

91 69.8 55.0 82.4

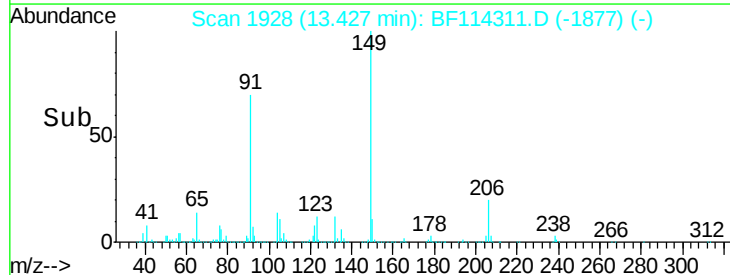
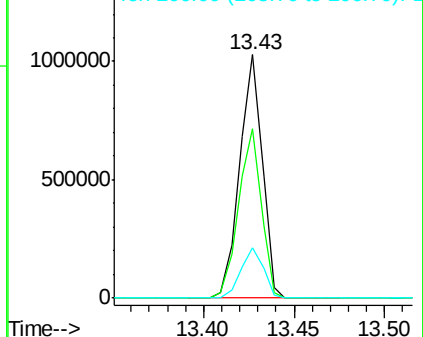
206 20.5 16.9 25.3

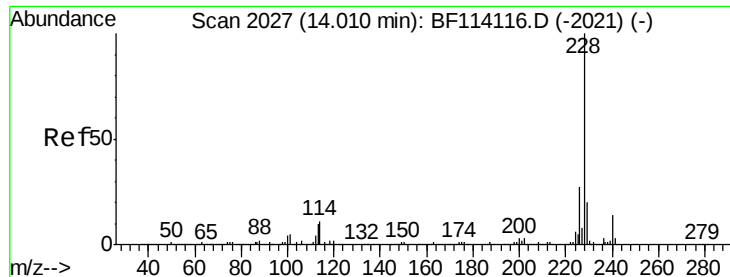


Abundance Ion 149.00 (148.70 to 149.70): E

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 :

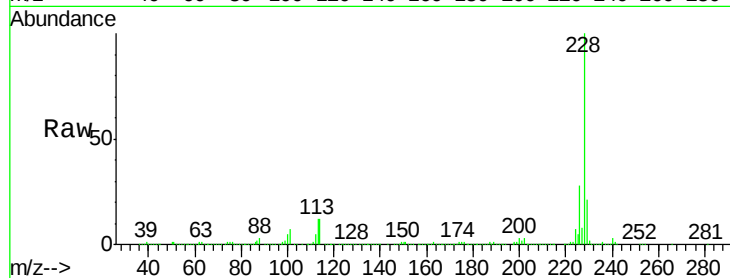
BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:228 Resp: 1533777

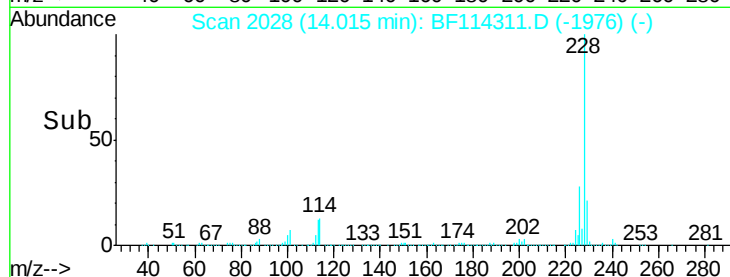
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	20.8	16.4	24.6



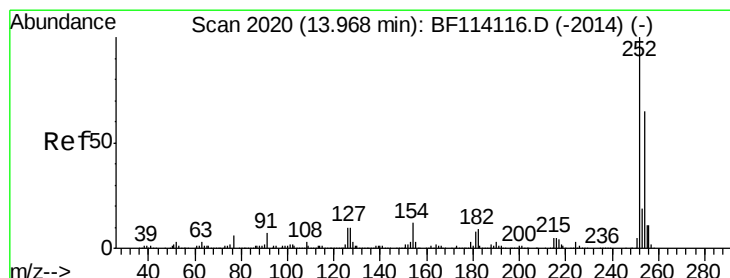
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



14.02



#82

3,3'-Dichlorobenzidine

Concen: 17.868 ng

RT: 13.97 min Scan# 2021

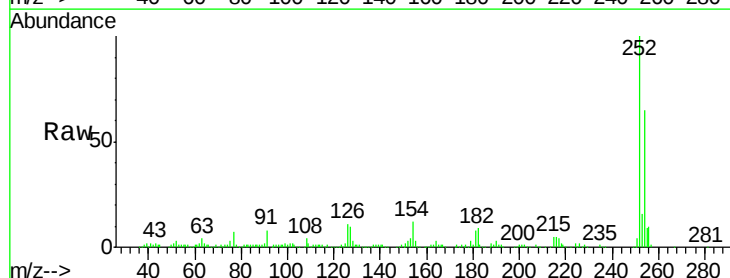
Delta R.T. 0.01 min

Lab File: BF114311.D

Acq: 16 May 2019 16:14

Tgt Ion:252 Resp: 265332

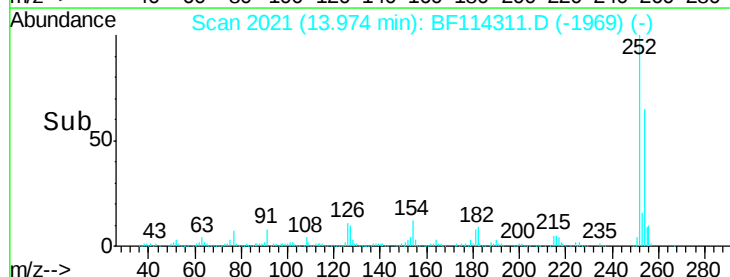
Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.9	77.9
126	11.1	7.9	11.9



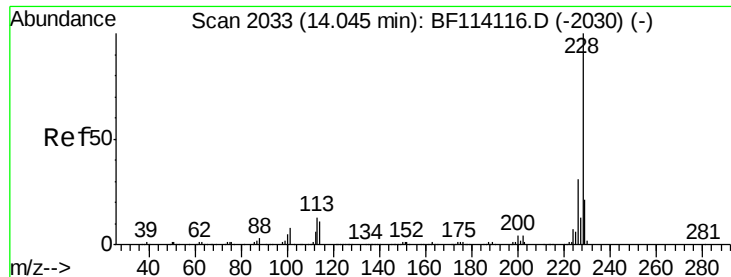
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



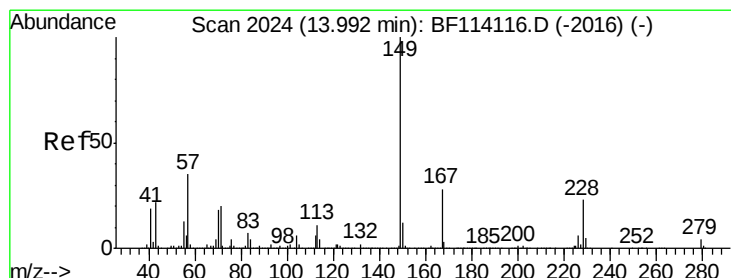
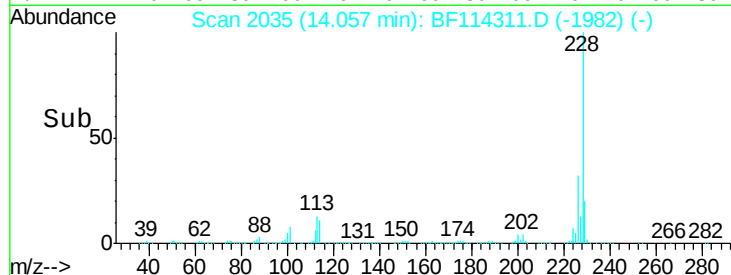
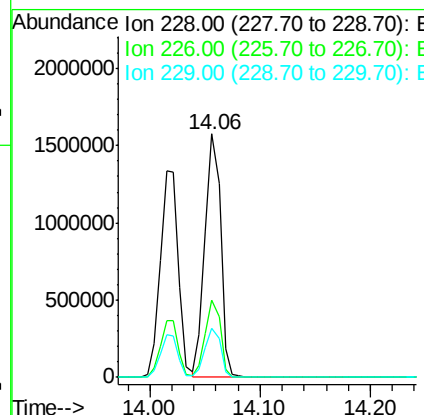
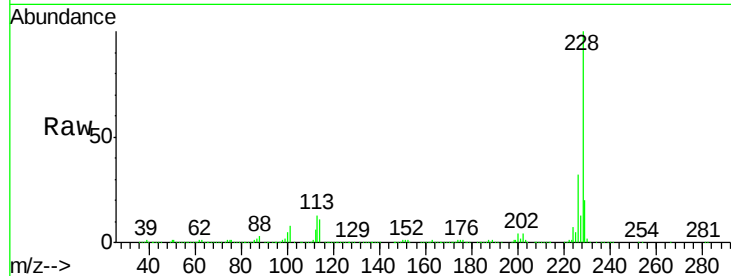
13.97



#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

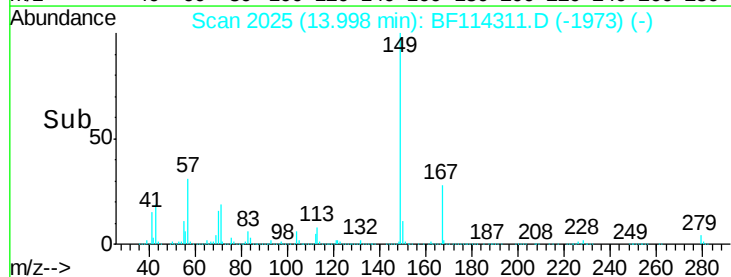
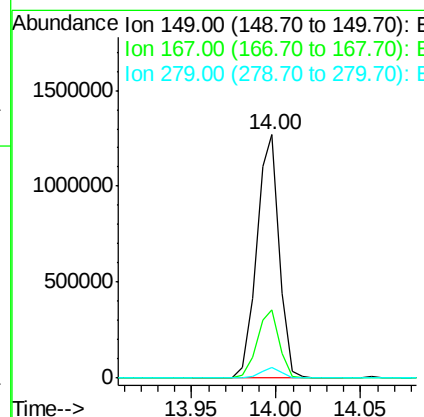
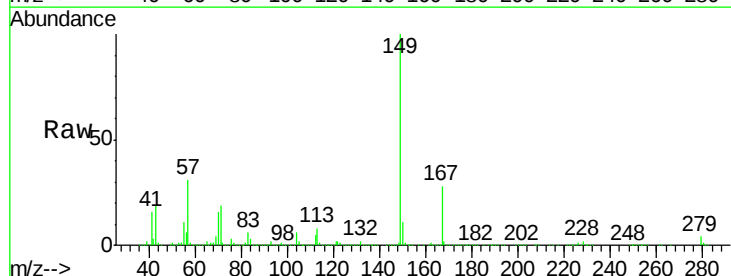
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

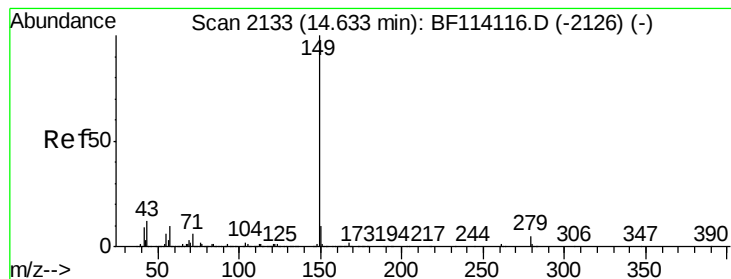
Tot Ion:228 Resp: 1517272
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.0 37.6
 229 20.2 17.0 25.6



#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

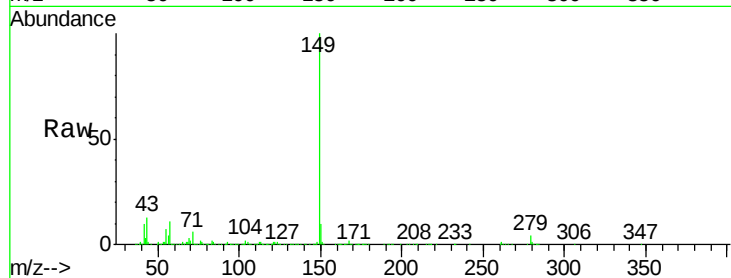
Tot Ion:149 Resp: 1859018

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

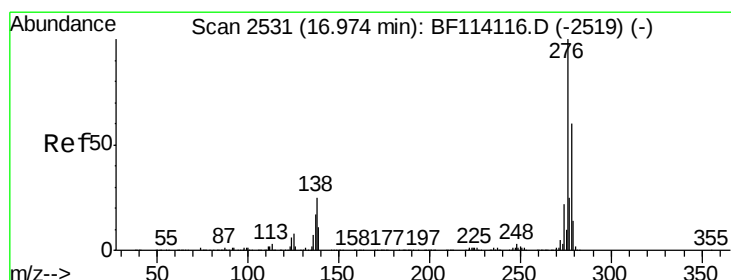
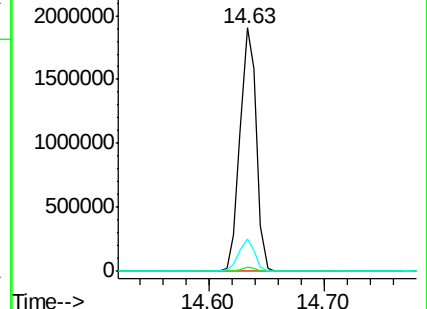
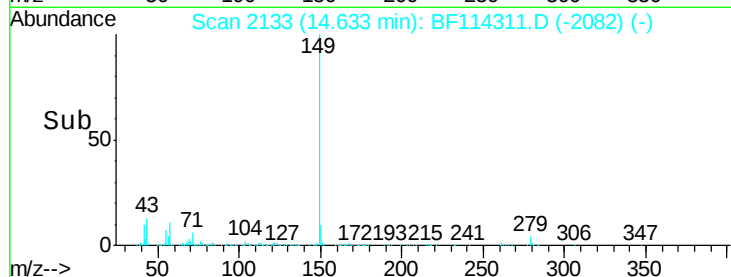
43 12.3 10.1 15.1



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

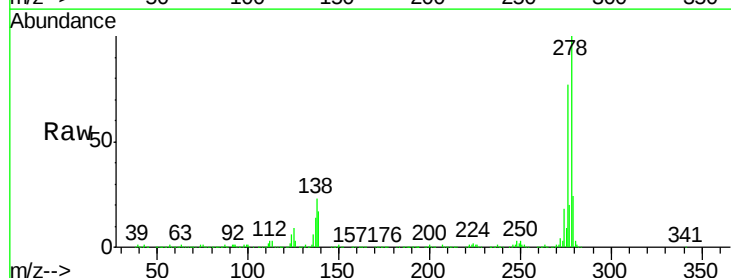
Tgt Ion:276 Resp: 1722024

Ion Ratio Lower Upper

276 100

138 26.5 20.2 30.2

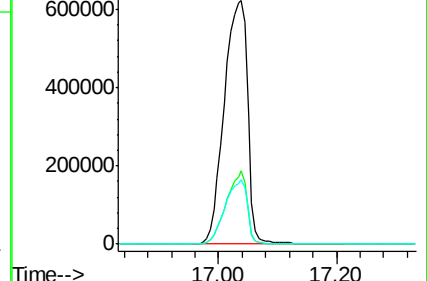
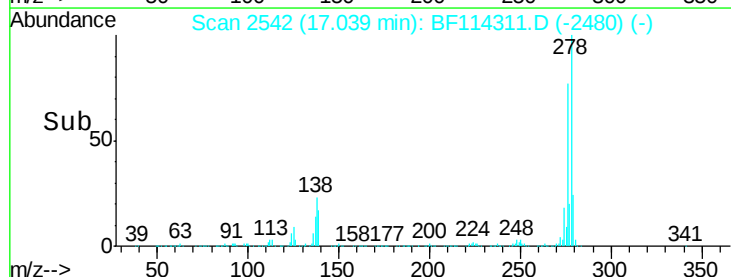
277 25.2 20.0 30.0

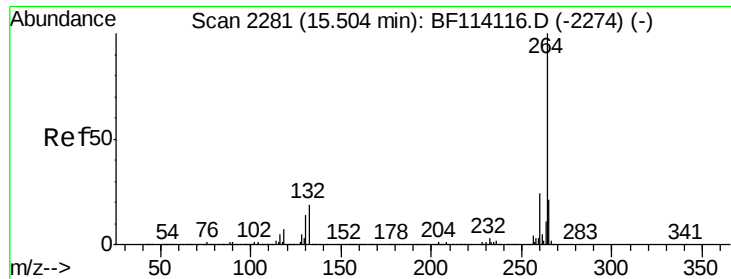


Abundance Ion 276.00 (275.70 to 276.70): E

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

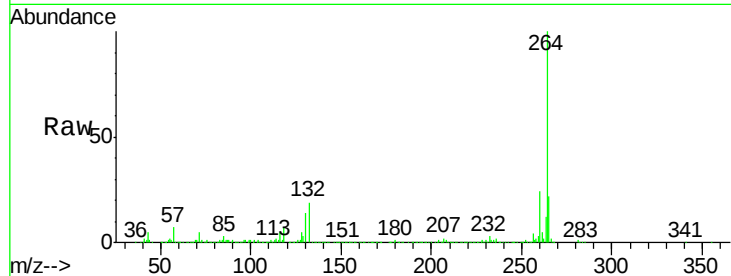
Tot Ion:264 Resp: 639720

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

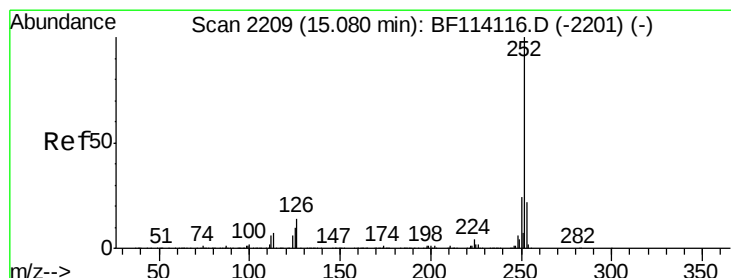
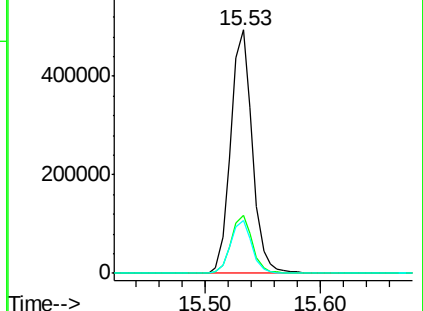
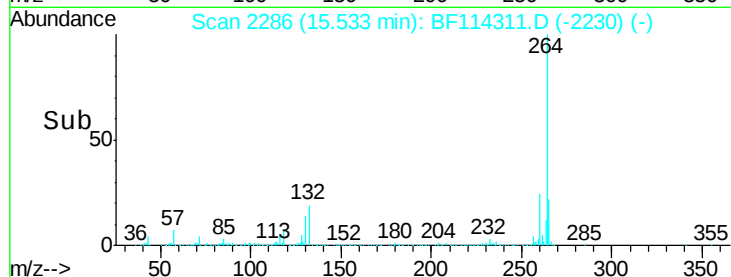
265 21.9 16.9 25.3



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

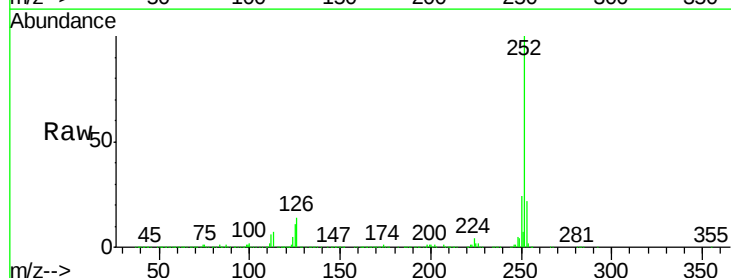
Tgt Ion:252 Resp: 1538795

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

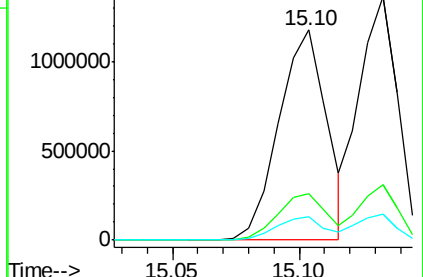
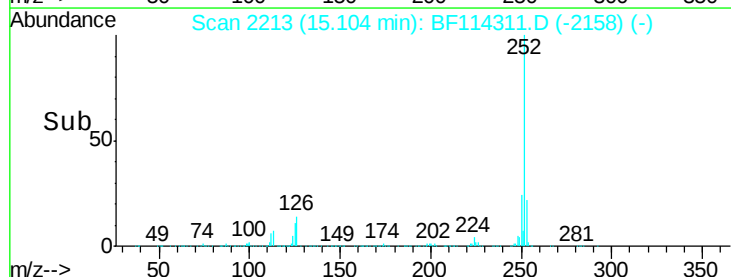
125 10.9 8.3 12.5

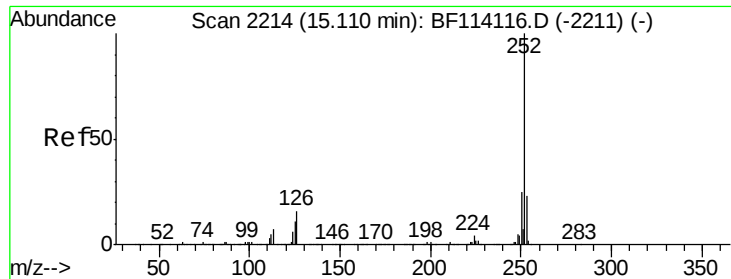


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

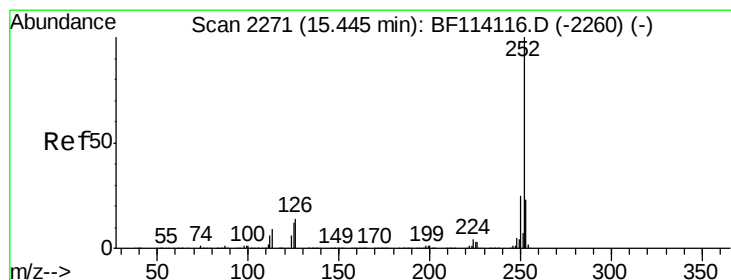
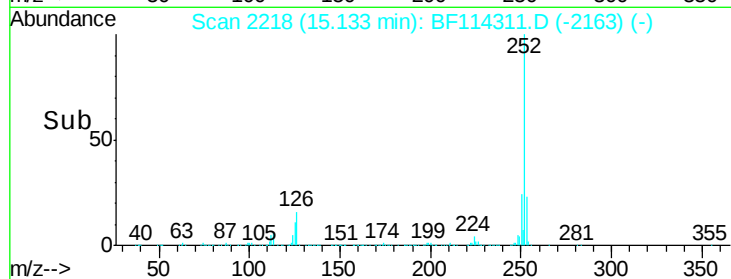
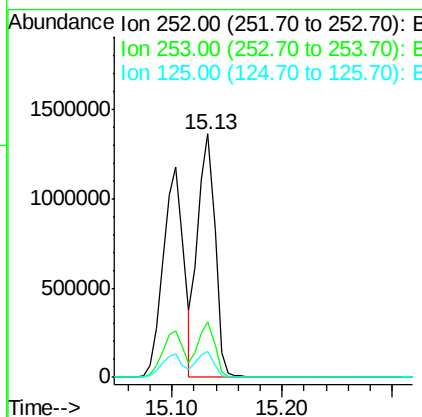
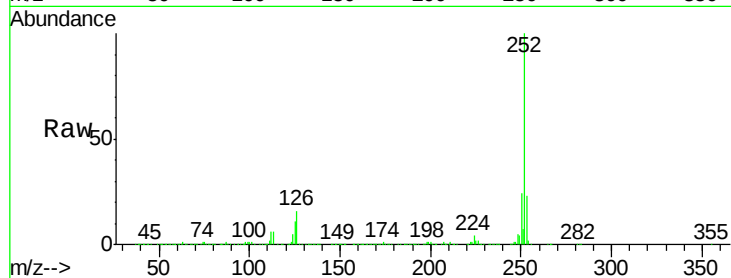




#89
Benzo(k)fluoranthene
Concen: 38.496 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF114311.D
Acq: 16 May 2019 16:14

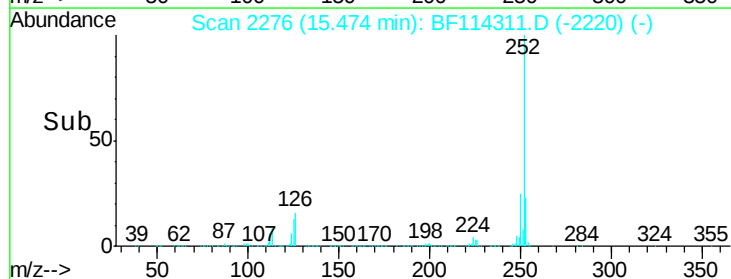
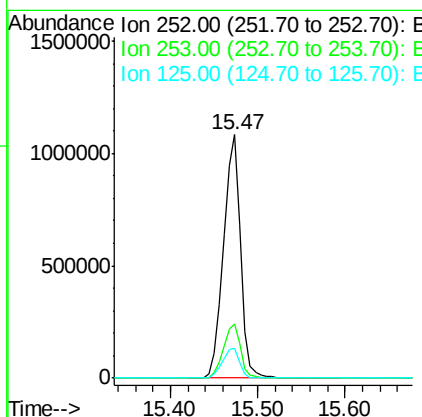
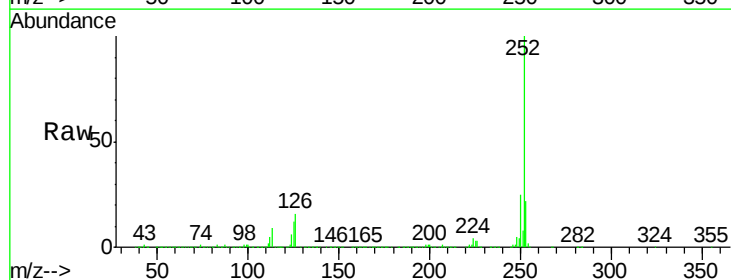
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

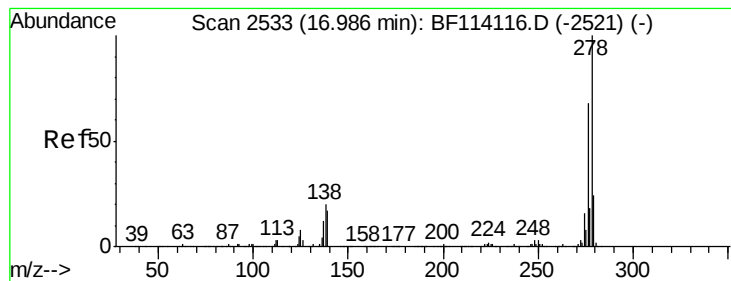
Tot Ion:252 Resp: 1449303
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 10.8 8.6 13.0



#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:252 Resp: 1467296
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

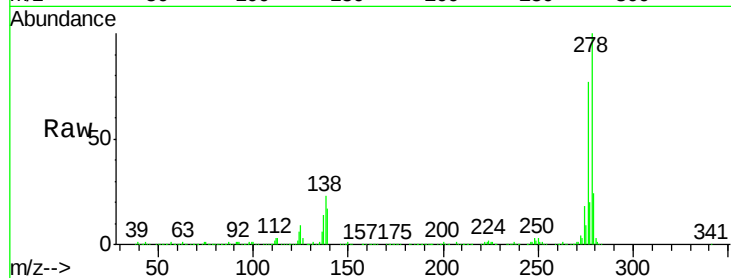
Tot Ion:278 Resp: 1407880

Ion Ratio Lower Upper

278 100

139 17.4 13.5 20.3

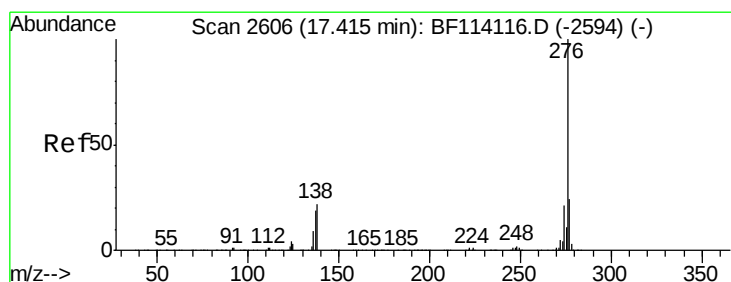
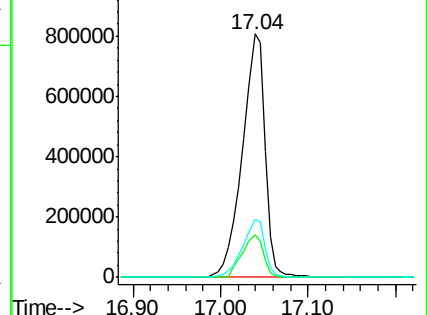
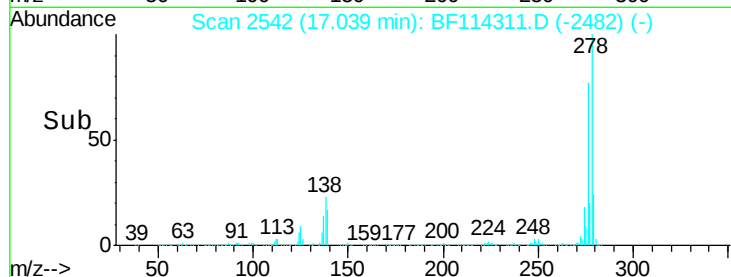
279 23.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(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

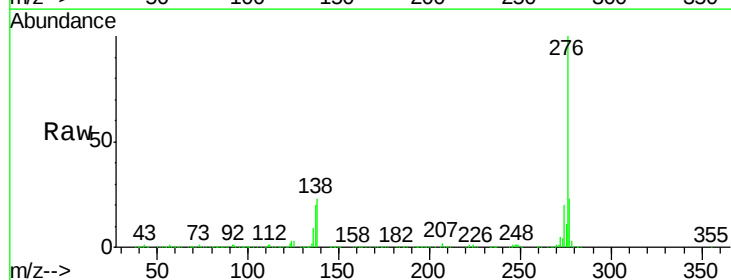
Tgt Ion:276 Resp: 1514913

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.4

138 22.6 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

