

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114663.D
 Acq On : 30 May 2019 16:29
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: May 30 16:59:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 16:54:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	375304	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1433973	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	697347	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1333977	20.00	ng	0.00
76) Chrysene-d12	13.82	240	968482	20.00	ng	0.00
87) Perylene-d12	15.21	264	1096364	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1975899	92.43	ng	0.00
7) Phenol-d6	6.33	99	2375888	92.23	ng	0.00
23) Nitrobenzene-d5	7.25	82	1362040	59.26	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	659719	99.29	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2550028	60.75	ng	0.00
79) Terphenyl-d14	12.77	244	2784442	54.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	238142	23.215	ng	98
3) Pyridine	3.05	79	599428	20.079	ng	99
4) n-Nitrosodimethylamine	2.98	42	231079	19.127	ng	93
6) Aniline	6.35	93	810068	20.819	ng	99
8) 2-Chlorophenol	6.47	128	555318	22.495	ng	97
9) Benzaldehyde	6.23	77	466605	31.747	ng	98
10) Phenol	6.34	94	688654	22.131	ng	96
11) bis(2-Chloroethyl)ether	6.43	93	514959	21.635	ng	99
12) 1,3-Dichlorobenzene	6.63	146	619635	22.031	ng	99
13) 1,4-Dichlorobenzene	6.71	146	624473	22.132	ng	98
14) 1,2-Dichlorobenzene	6.86	146	587020	22.852	ng	98
15) Benzyl Alcohol	6.83	79	452521	22.333	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.97	45	735665	20.151	ng	100
17) 2-Methylphenol	6.95	107	442711	21.203	ng	99
18) Hexachloroethane	7.21	117	221275	20.713	ng	95
19) n-Nitroso-di-n-propylamine	7.11	70	366672	20.622	ng	100
20) 3+4-Methylphenols	7.10	107	546154	22.240	ng	95
22) Acetophenone	7.10	105	766001	25.071	ng	# 98
24) Nitrobenzene	7.27	77	555454	22.750	ng	99
25) Isophorone	7.52	82	998533	21.648	ng	99
26) 2-Nitrophenol	7.59	139	264021	22.215	ng	98
27) 2,4-Dimethylphenol	7.63	122	497274	25.159	ng	97
28) bis(2-Chloroethoxy)methane	7.73	93	644060	21.934	ng	98
29) 2,4-Dichlorophenol	7.83	162	462278	22.978	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	523579	22.843	ng	100
31) Naphthalene	8.00	128	1582565	23.960	ng	97
32) Benzoic acid	7.73	122	292029	22.747	ng	95
33) 4-Chloroaniline	8.04	127	684135	21.740	ng	99
34) Hexachlorobutadiene	8.12	225	283602	22.273	ng	98
35) Caprolactam	8.39	113	143282	21.104	ng	97
36) 4-Chloro-3-methylphenol	8.52	107	459422	22.771	ng	98
37) 2-Methylnaphthalene	8.69	142	1076266	24.524	ng	98
38) 1-Methylnaphthalene	8.78	142	1021648	24.571	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	491368	26.459	ng	100

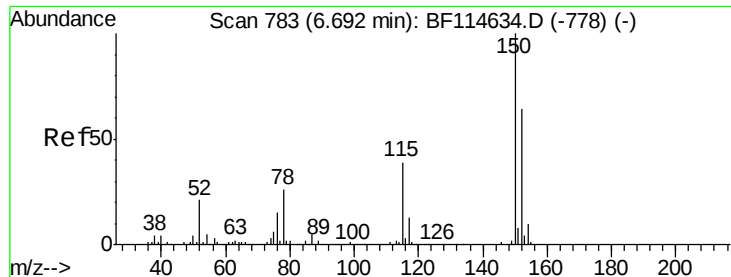
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114663.D
 Acq On : 30 May 2019 16:29
 Operator : HP/JU
 Sample : K2241-02
 Misc : L00-SOIL-20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: May 30 16:59:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 16:54:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	304686	24.828	ng	98
43) 2,4,6-Trichlorophenol	8.96	196	325805	22.297	ng	98
44) 2,4,5-Trichlorophenol	8.99	196	343144	23.533	ng	98
46) 1,1'-Biphenyl	9.15	154	1345406	25.991	ng	98
47) 2-Chloronaphthalene	9.17	162	1017968	23.974	ng	98
48) 2-Nitroaniline	9.26	65	274856	20.976	ng	99
49) Acenaphthylene	9.58	152	1585411	24.168	ng	99
50) Dimethylphthalate	9.45	163	1139771	23.456	ng	100
51) 2,6-Dinitrotoluene	9.50	165	256001	22.673	ng	95
52) Acenaphthene	9.75	154	971410	24.146	ng	99
53) 3-Nitroaniline	9.66	138	289778	20.970	ng	96
54) 2,4-Dinitrophenol	9.77	184	83238	18.690	ng	97
55) Dibenzofuran	9.92	168	1391104	24.292	ng	99
56) 4-Nitrophenol	9.82	139	224455	21.918	ng	91
57) 2,4-Dinitrotoluene	9.90	165	330100	22.780	ng	91
58) Fluorene	10.26	166	1005979	26.017	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.04	232	287755	24.109	ng	100
60) Diethylphthalate	10.15	149	1129780	22.764	ng	98
61) 4-Chlorophenyl-phenylether	10.26	204	494259	25.549	ng	96
62) 4-Nitroaniline	10.27	138	271652	20.173	ng	97
63) Azobenzene	10.42	77	1057789	23.215	ng	97
65) 4,6-Dinitro-2-methylphenol	10.30	198	120320	20.341	ng	84
66) n-Nitrosodiphenylamine	10.37	169	965082	24.487	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	324256	22.667	ng	97
68) Hexachlorobenzene	10.81	284	351385	22.678	ng	97
69) Atrazine	10.90	200	299385	24.109	ng	100
70) Pentachlorophenol	11.00	266	199076	22.289	ng	98
71) Phenanthrene	11.22	178	1571910	23.100	ng	97
72) Anthracene	11.27	178	1634536	23.733	ng	99
73) Carbazole	11.42	167	1428585	23.602	ng	98
74) Di-n-butylphthalate	11.77	149	1747850	23.767	ng	97
75) Fluoranthene	12.40	202	1622478	23.026	ng	97
77) Benzidine	12.52	184	953825	23.917	ng	98
78) Pyrene	12.62	202	1649865	20.138	ng	98
80) Butylbenzylphthalate	13.25	149	744768	18.089	ng	96
81) Benzo(a)anthracene	13.80	228	1474254	19.809	ng	98
82) 3,3'-Dichlorobenzidine	13.77	252	593067	20.634	ng	97
83) Chrysene	13.84	228	1468789	20.656	ng	97
84) Bis(2-ethylhexyl)phthalate	13.82	149	1014645	19.933	ng	99
85) Di-n-octyl phthalate	14.43	149	1737854	19.650	ng	97
86) Indeno(1,2,3-cd)pyrene	16.53	276	1472649	20.678	ng	100
88) Benzo(b)fluoranthene	14.82	252	1507755	21.835	ng	98
89) Benzo(k)fluoranthene	14.85	252	1421032	23.676	ng	97
90) Benzo(a)pyrene	15.15	252	1399820	23.075	ng	99
91) Dibenzo(a,h)anthracene	16.55	278	1244417	23.215	ng	98
92) Benzo(g,h,i)perylene	16.92	276	1184204	22.761	ng	99

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

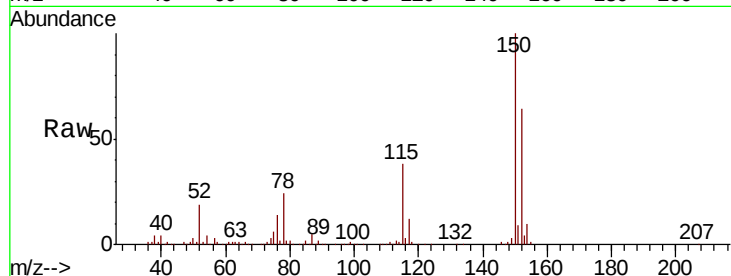


#1

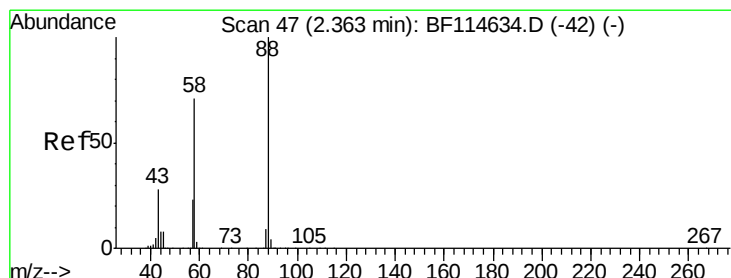
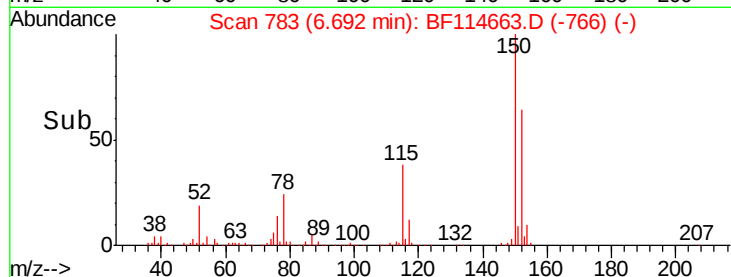
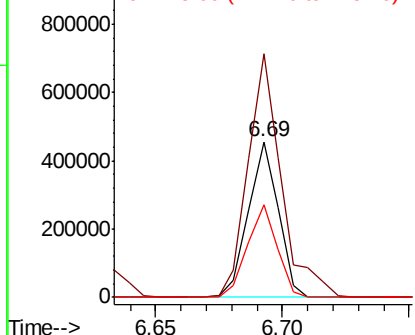
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:152 Resp: 375304
Ion Ratio Lower Upper
152 100
150 156.7 124.4 186.6
115 59.9 48.7 73.1



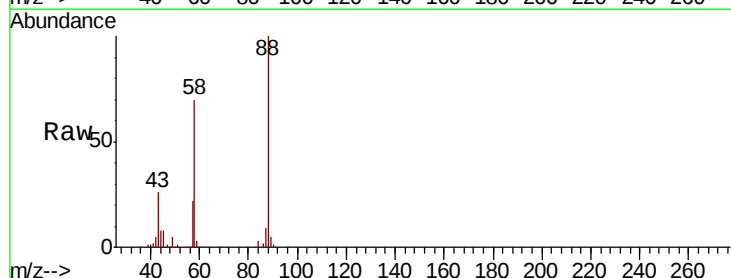
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



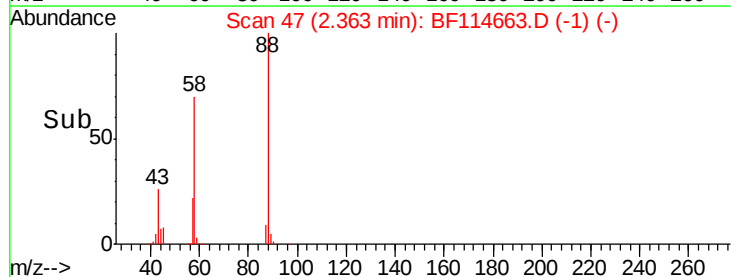
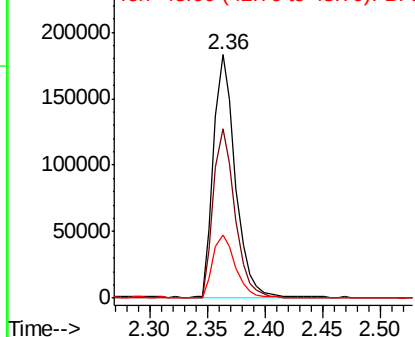
#2

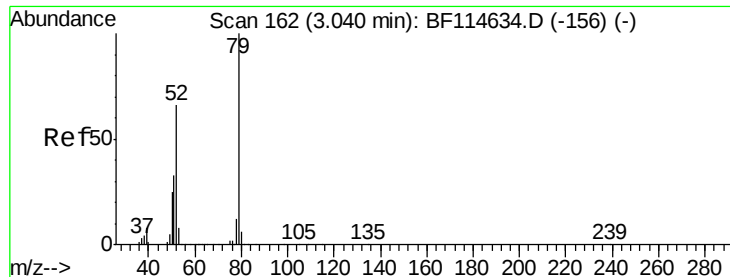
1,4-Dioxane
Concen: 23.215 ng
RT: 2.36 min Scan# 47
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion: 88 Resp: 238142
Ion Ratio Lower Upper
88 100
58 70.0 57.2 85.8
43 26.4 22.6 33.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 20.079 ng

RT: 3.05 min Scan# 164

Delta R.T. 0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

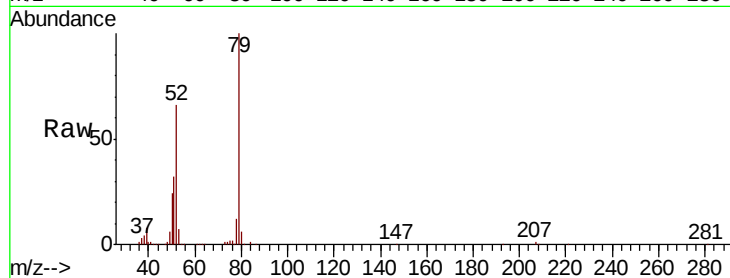
Tot Ion: 79 Resp: 599428

Ion Ratio Lower Upper

79 100

52 65.8 52.8 79.2

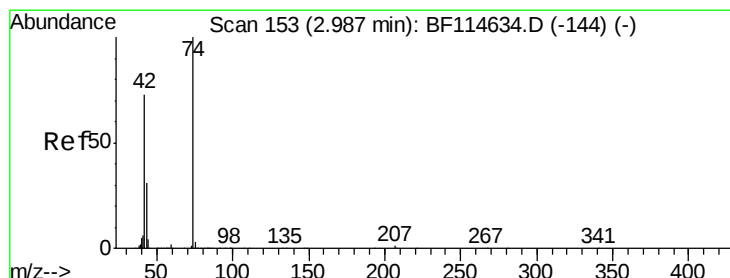
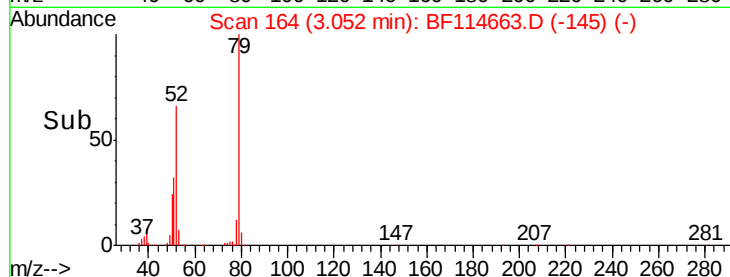
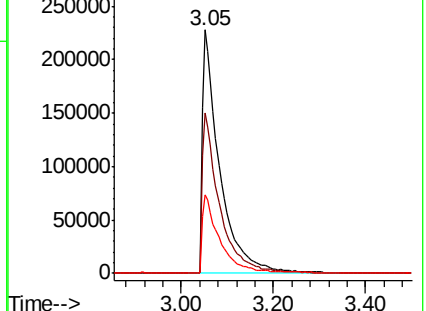
51 32.3 26.3 39.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 19.127 ng

RT: 2.98 min Scan# 151

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

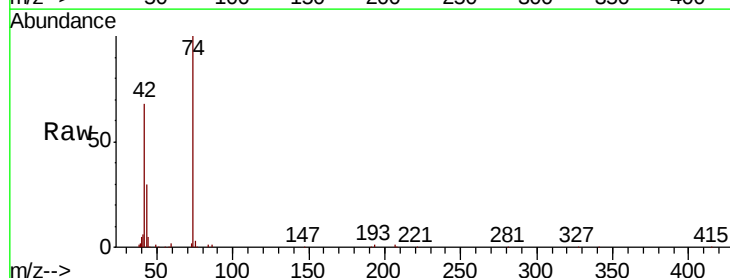
Tgt Ion: 42 Resp: 231079

Ion Ratio Lower Upper

42 100

74 146.2 110.0 165.0

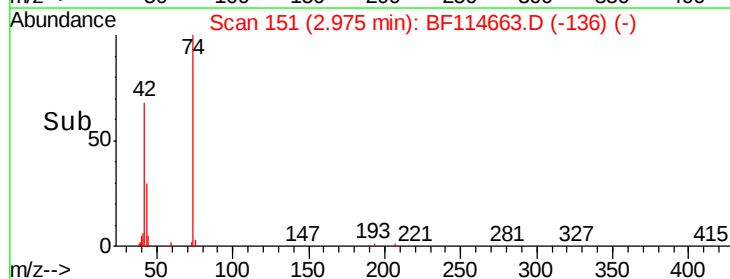
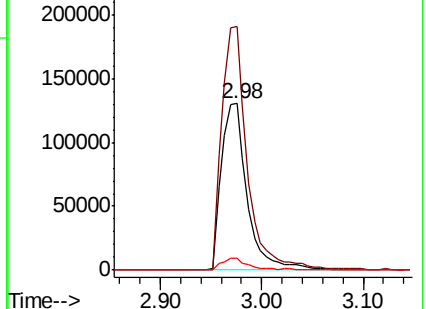
44 7.2 5.6 8.4



Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 92.434 ng

RT: 5.29 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

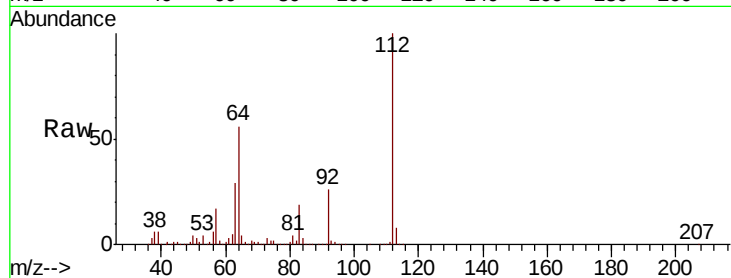
Tot Ion:112 Resp: 1975899

Ion Ratio Lower Upper

112 100

64 55.9 46.1 69.1

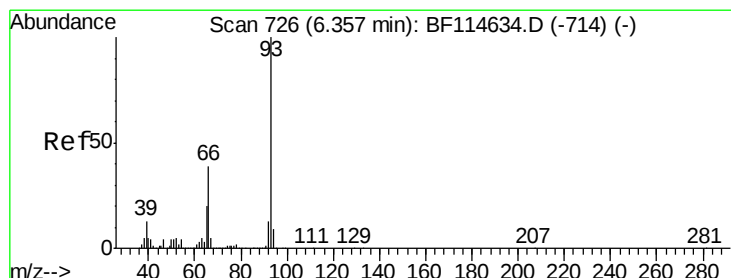
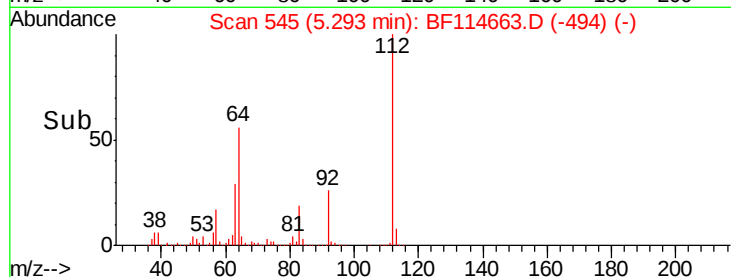
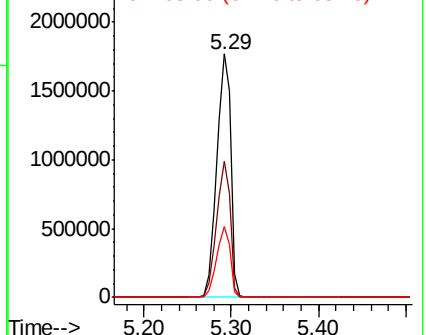
63 29.1 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.819 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

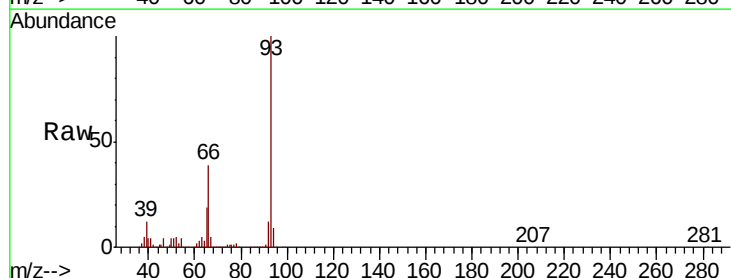
Tgt Ion: 93 Resp: 810068

Ion Ratio Lower Upper

93 100

66 38.9 31.4 47.2

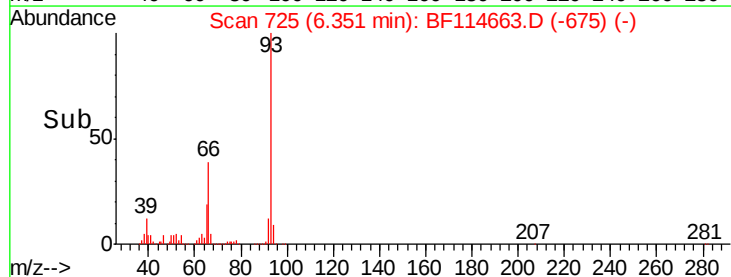
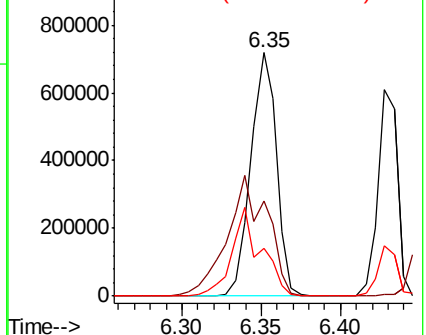
65 19.4 16.2 24.2

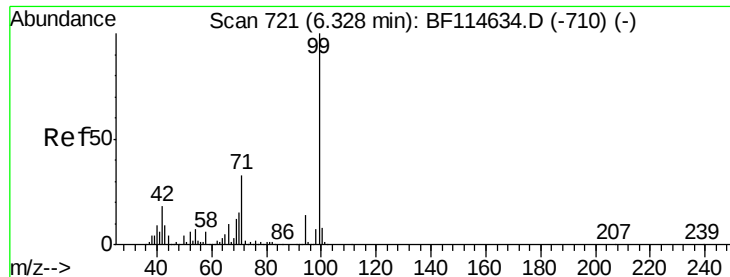


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 92.235 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

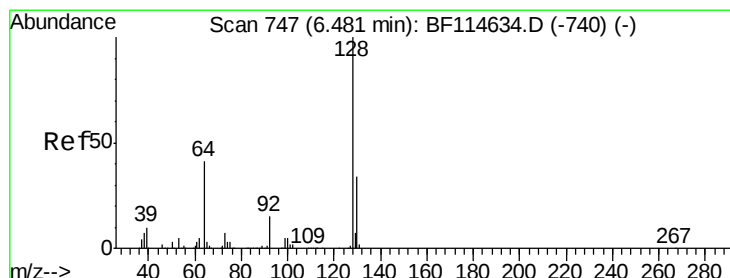
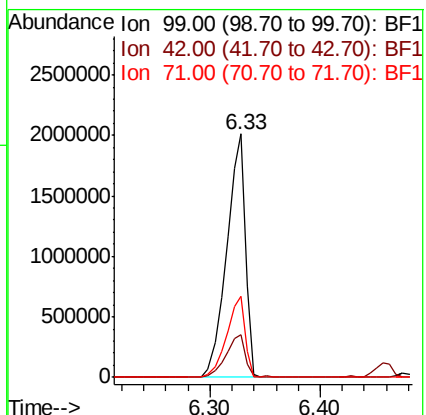
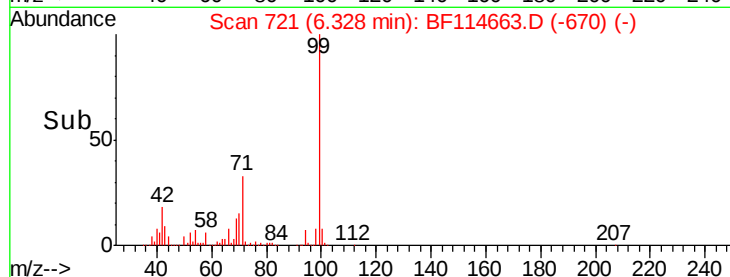
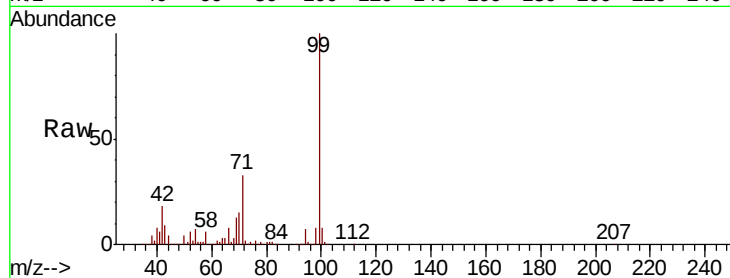
Tot Ion: 99 Resp: 2375888

Ion Ratio Lower Upper

99 100

42 17.6 14.7 22.1

71 33.2 26.6 40.0



#8

2-Chlorophenol

Concen: 22.495 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

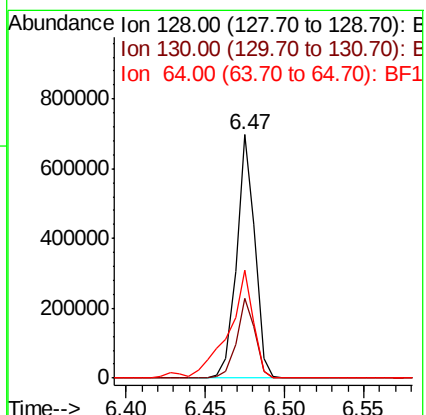
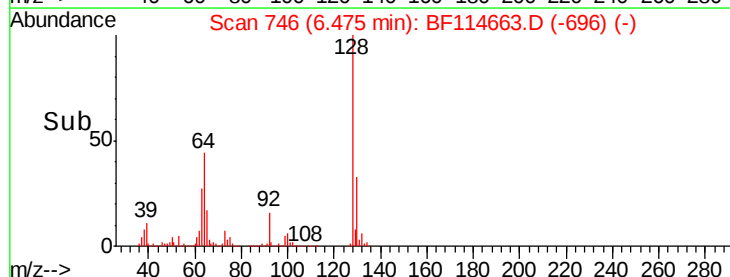
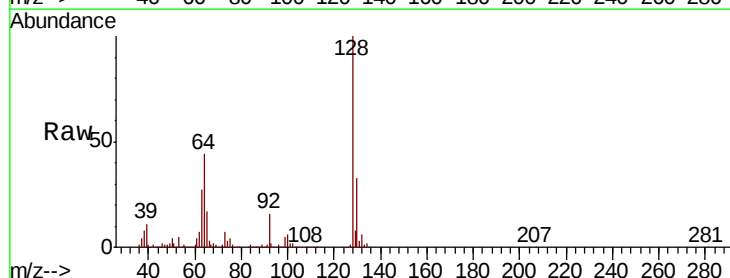
Tgt Ion: 128 Resp: 555318

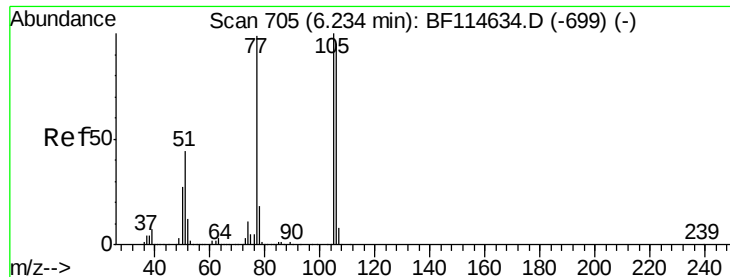
Ion Ratio Lower Upper

128 100

130 32.7 13.9 53.9

64 44.1 22.0 62.0





#9

Benzaldehyde

Concen: 31.747 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

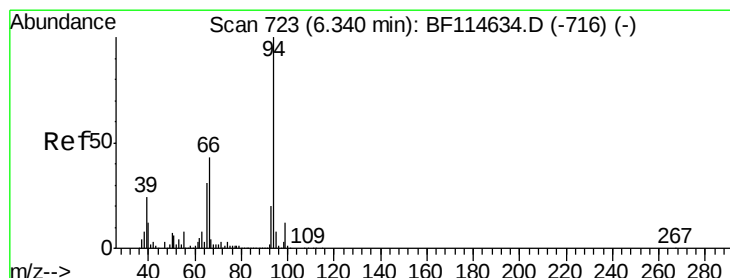
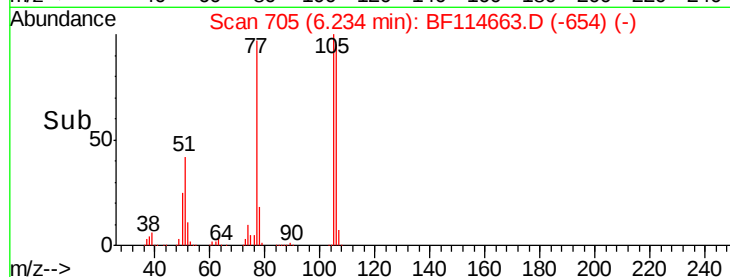
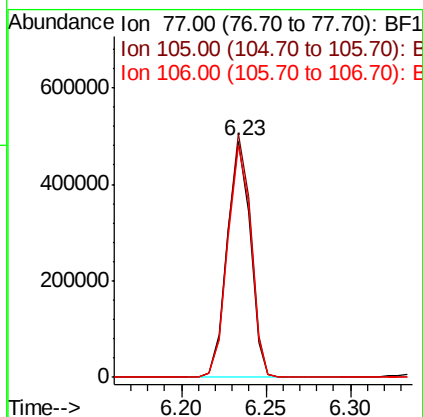
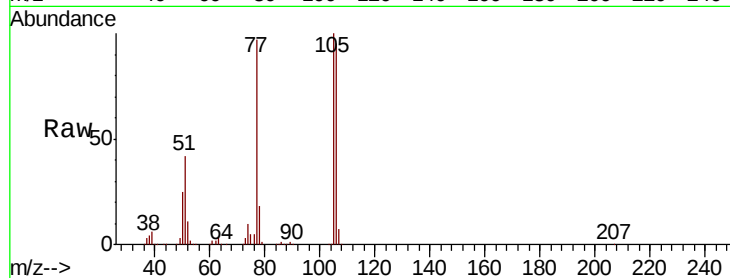
Tot Ion: 77 Resp: 466605

Ion Ratio Lower Upper

77 100

105 102.9 80.8 120.8

106 98.1 76.2 116.2



#10

Phenol

Concen: 22.131 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

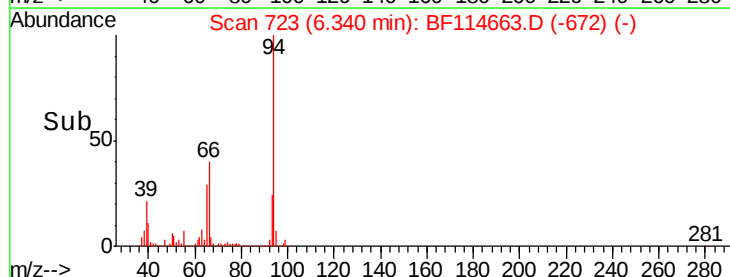
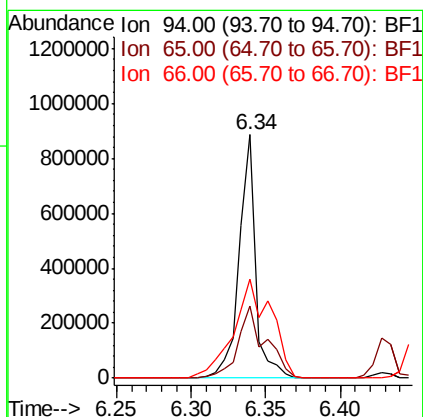
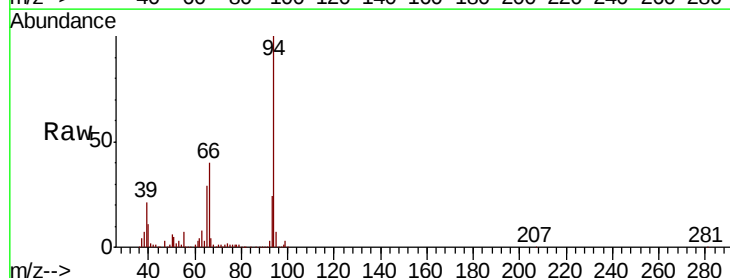
Tgt Ion: 94 Resp: 688654

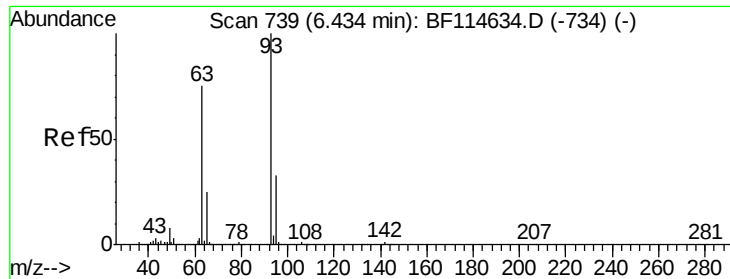
Ion Ratio Lower Upper

94 100

65 29.4 11.0 51.0

66 40.4 23.0 63.0

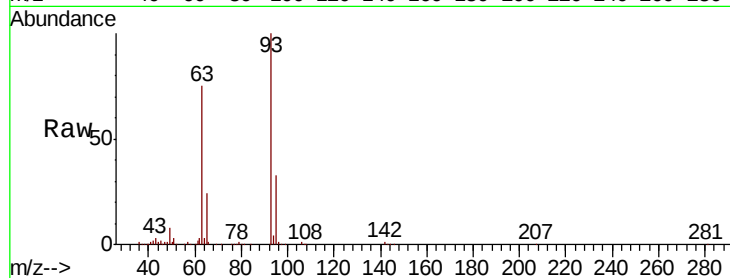




#11
bis(2-Chloroethyl)ether
Concen: 21.635 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.1	55.0	95.0
95	32.6	13.5	53.5

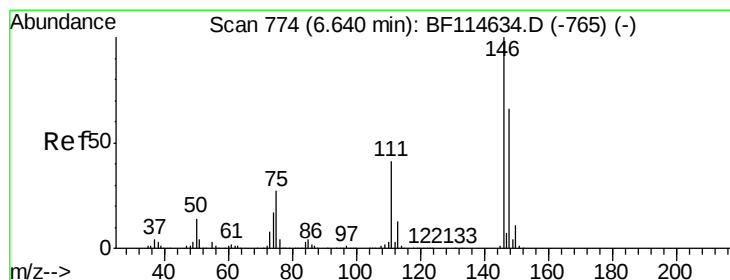
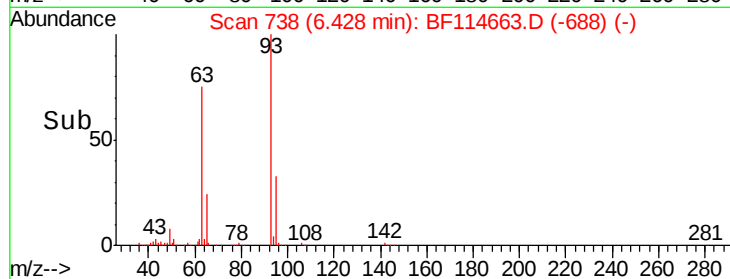
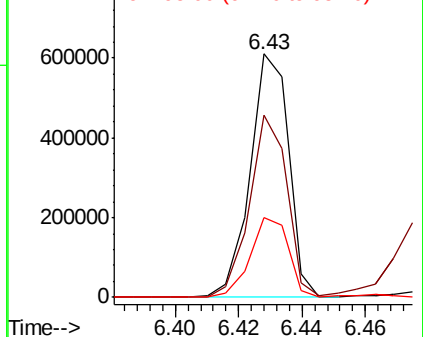


Abundance

Ion 93.00 (92.70 to 93.70): BF1

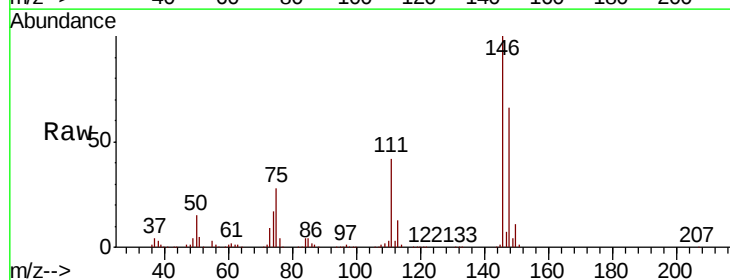
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12
1,3-Dichlorobenzene
Concen: 22.031 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.9	79.3
75	28.4	22.0	33.0

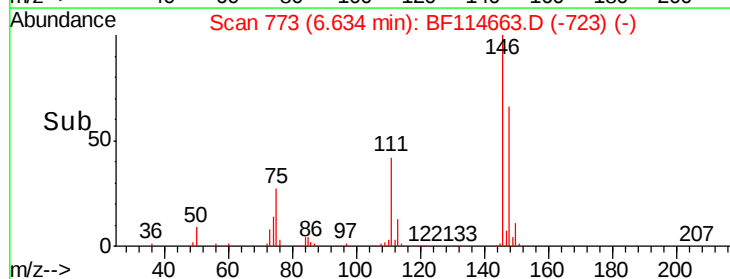
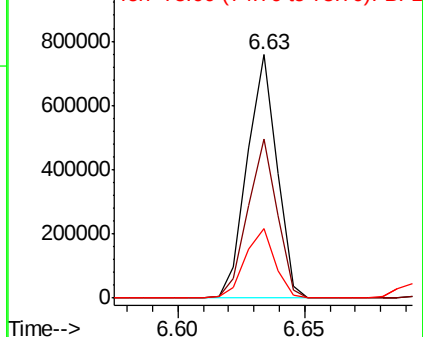


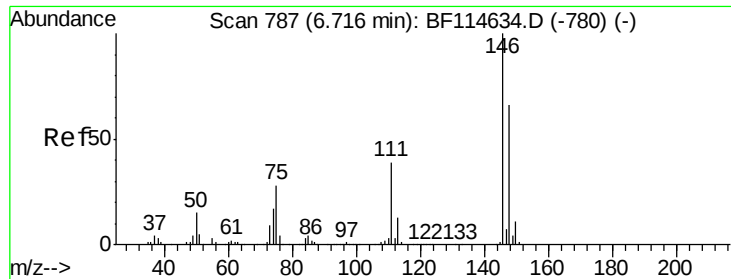
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

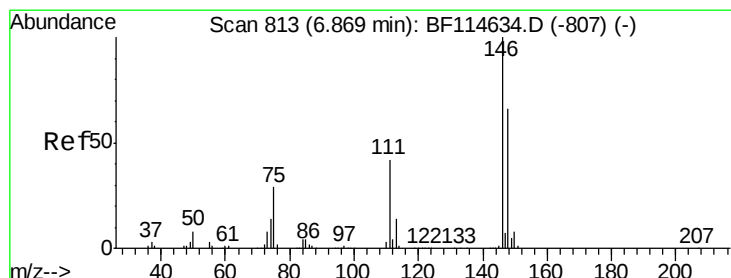
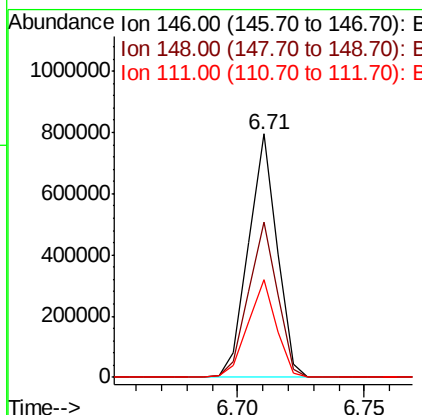
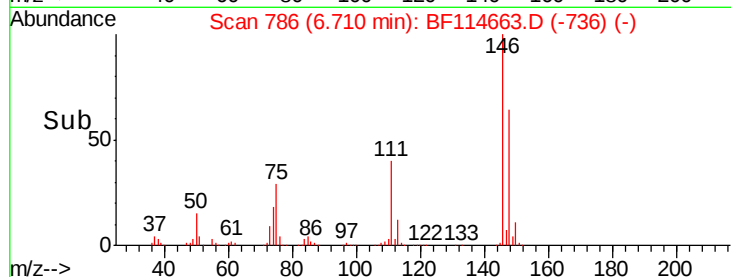
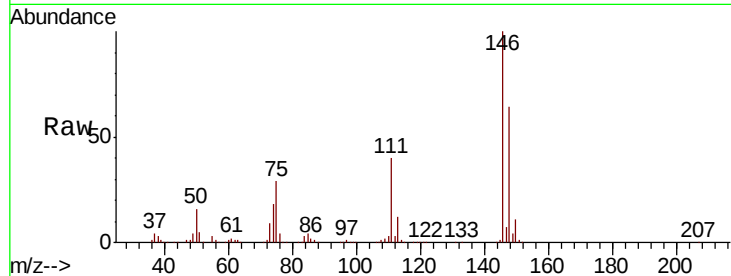




#13
 1,4-Dichlorobenzene
 Concen: 22.132 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

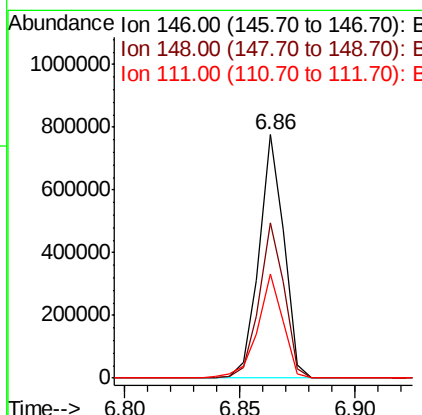
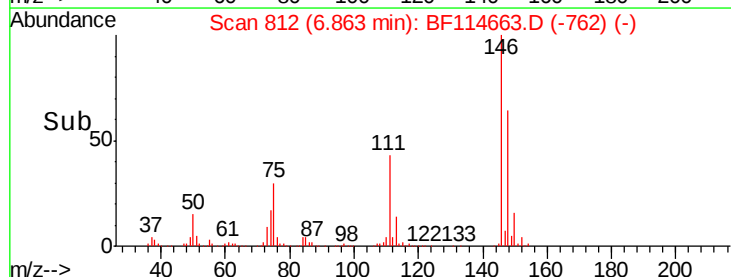
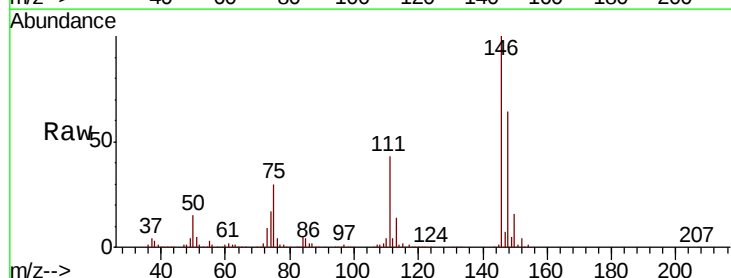
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion:146 Resp: 624473
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.5 78.7
 111 40.0 31.4 47.2



#14
 1,2-Dichlorobenzene
 Concen: 22.852 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:146 Resp: 587020
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.6 79.0
 111 42.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 22.333 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

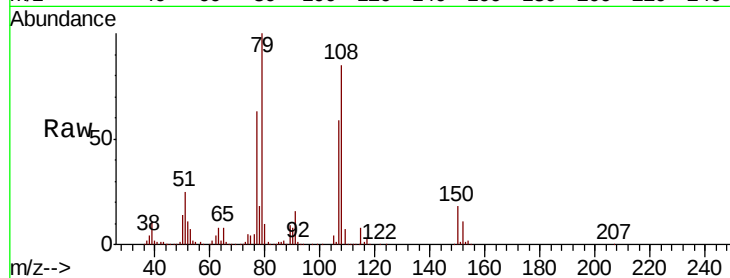
Tot Ion: 79 Resp: 452521

Ion Ratio Lower Upper

79 100

108 84.7 67.8 101.8

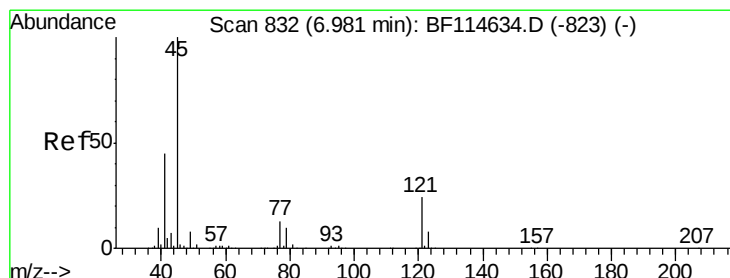
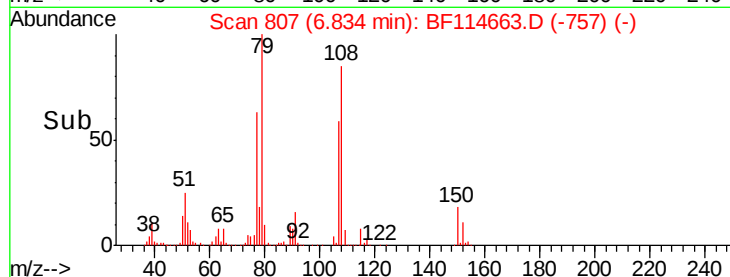
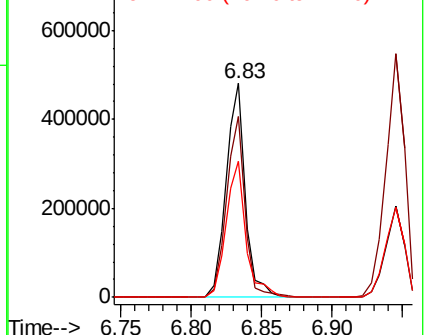
77 63.4 50.7 76.1



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.151 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

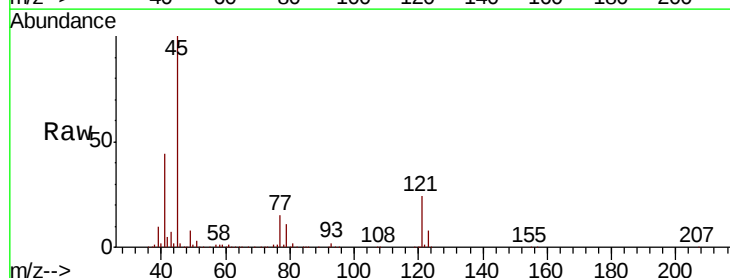
Tgt Ion: 45 Resp: 735665

Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.7

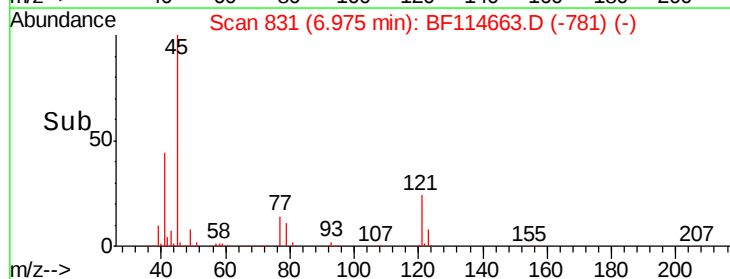
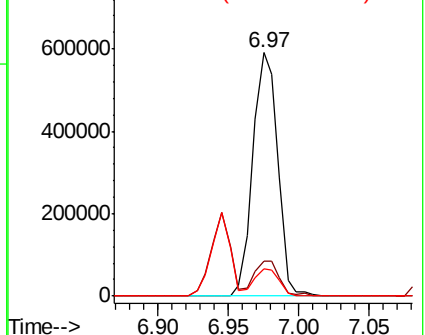
79 11.0 0.0 31.3

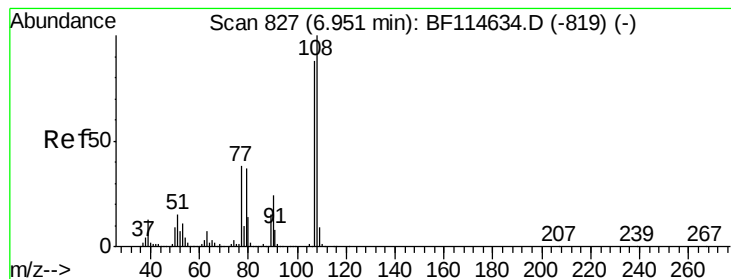


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 21.203 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:107 Resp: 442711

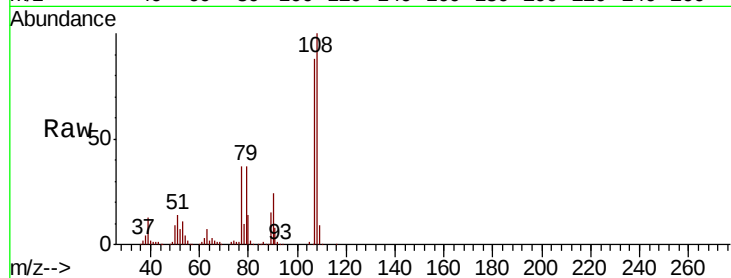
Ion Ratio Lower Upper

107 100

108 113.4 91.1 136.7

77 42.1 34.9 52.3

79 42.2 33.8 50.6

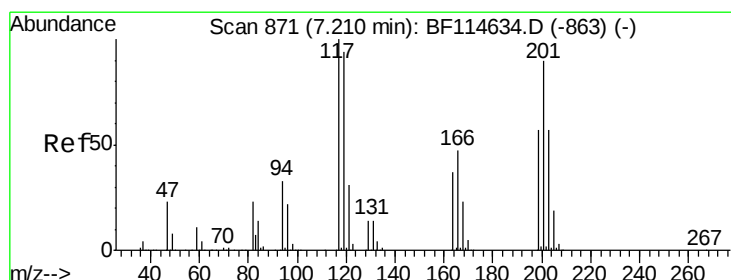
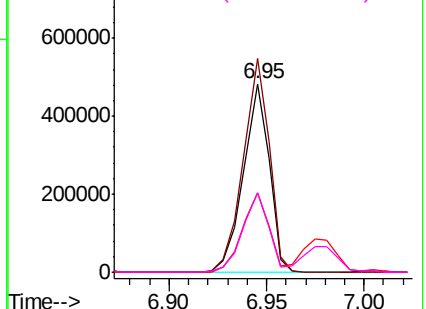
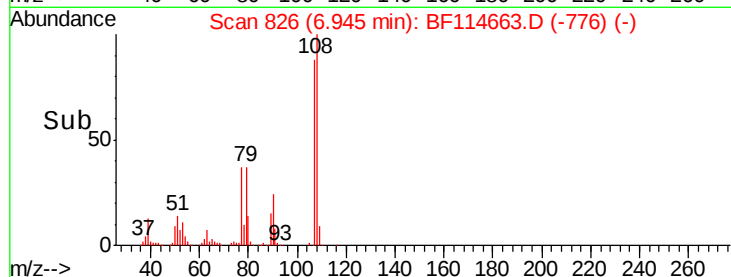


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 20.713 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

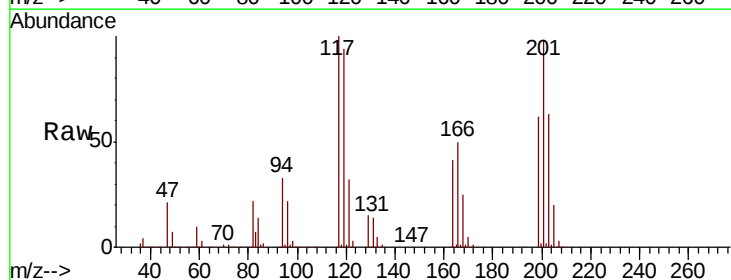
Tgt Ion:117 Resp: 221275

Ion Ratio Lower Upper

117 100

119 94.0 75.6 113.4

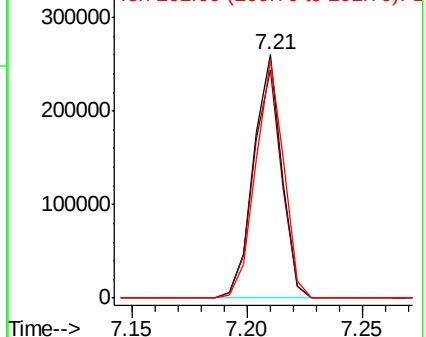
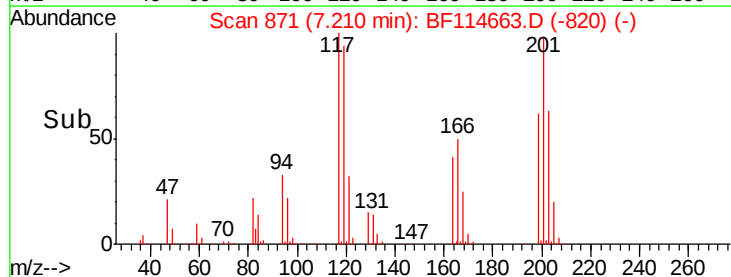
201 97.9 71.7 107.5

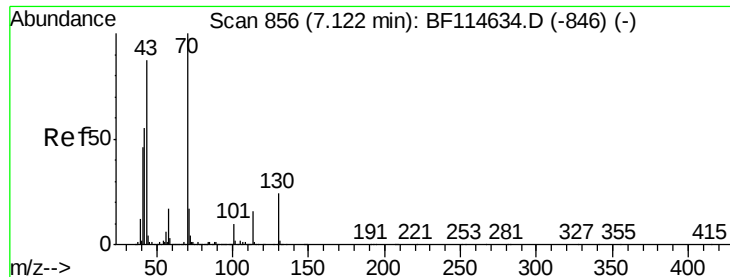


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

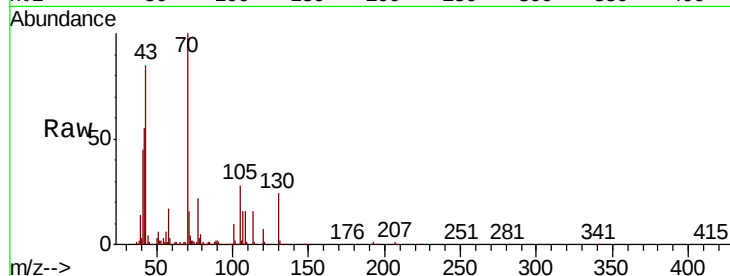




#19
n-Nitroso-di-n-propylamine
Concen: 20.622 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:	70	Resp:	366672
Ion	Ratio	Lower	Upper
70	100		
42	55.2	44.4	66.6
101	10.0	8.2	12.4
130	24.1	19.4	29.0



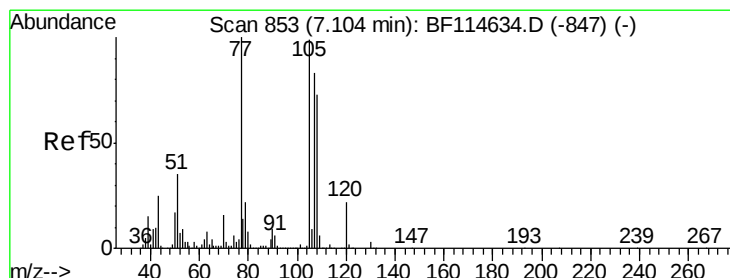
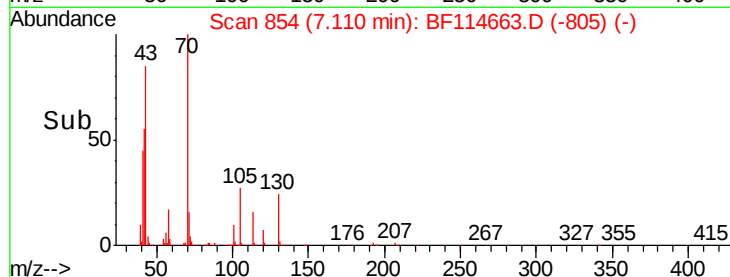
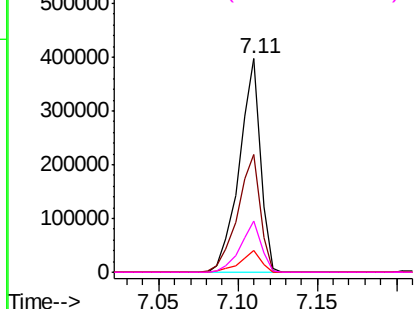
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

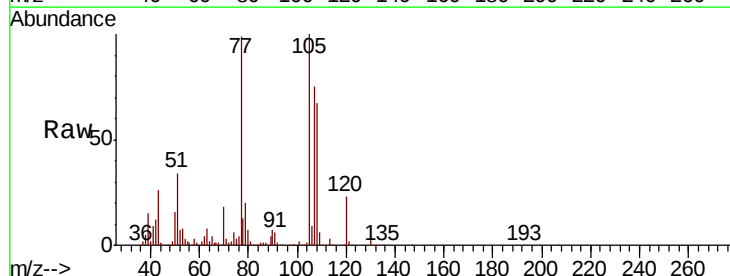
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 22.240 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:	107	Resp:	546154
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.6	108.6
77	131.5	100.5	140.5
79	26.7	7.0	47.0



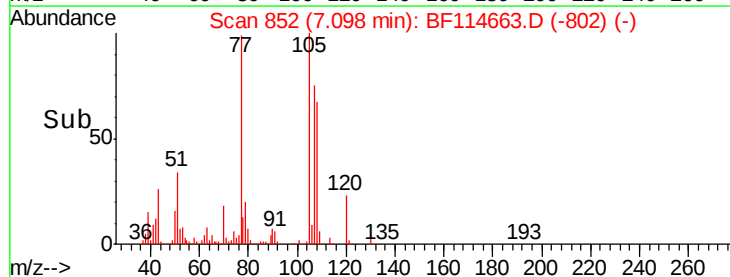
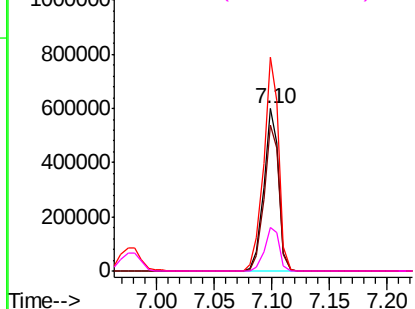
Abundance

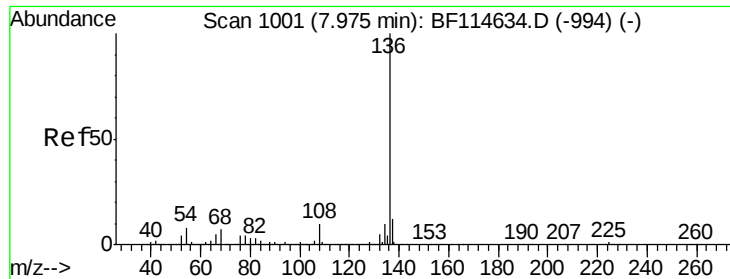
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:136 Resp: 1433973

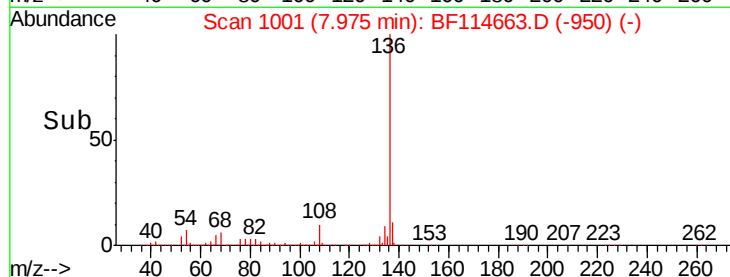
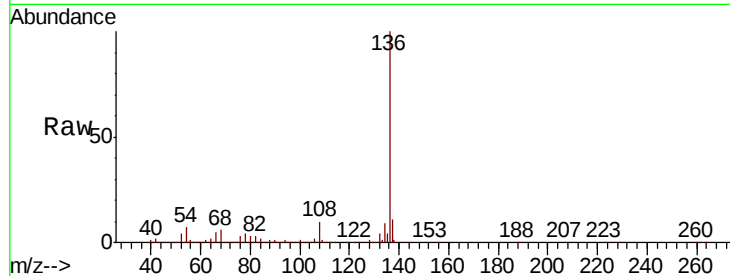
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 7.2 6.3 9.5

68 6.0 5.4 8.0

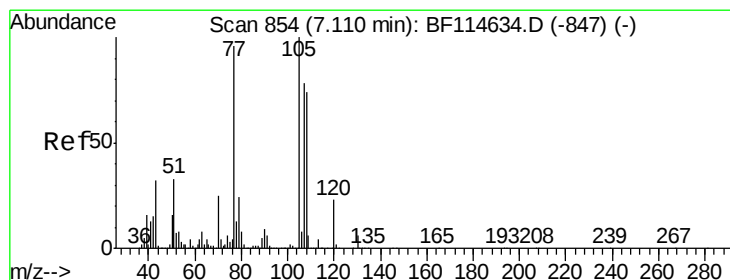
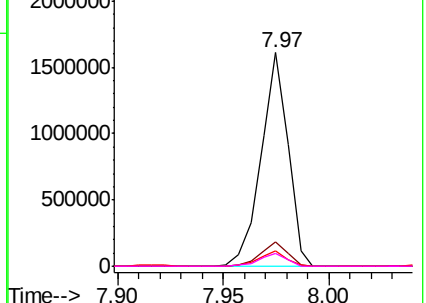


Abundance Ion 136.00 (135.70 to 136.70): E

2500000 Ion 137.00 (136.70 to 137.70): E

2000000 Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 25.071 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Tgt Ion:105 Resp: 766001

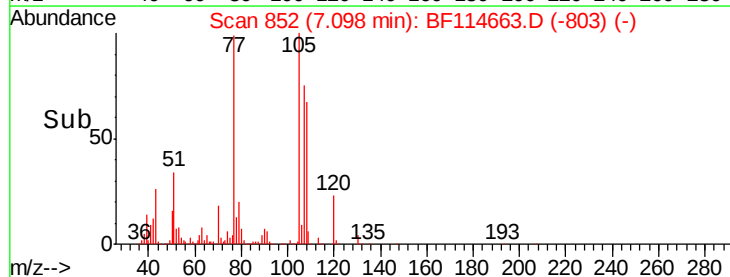
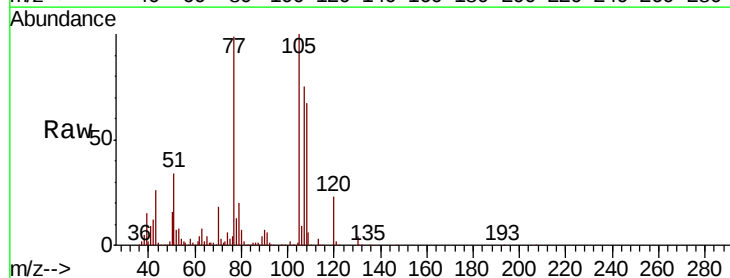
Ion Ratio Lower Upper

105 100

71 2.9 3.6 5.4#

51 34.0 26.0 39.0

120 23.5 18.8 28.2

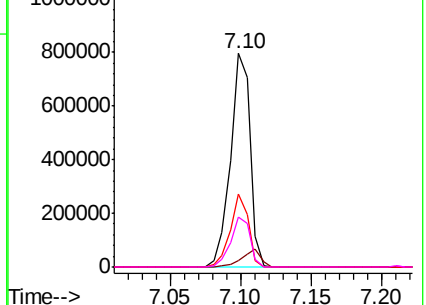


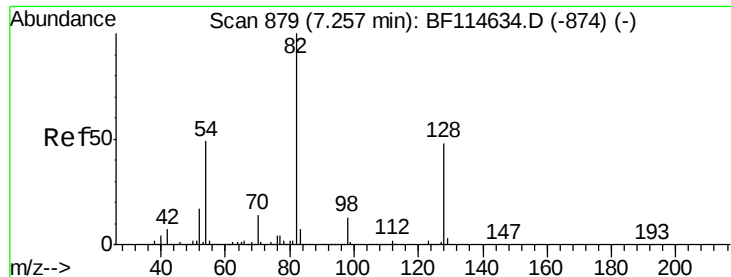
Abundance Ion 105.00 (104.70 to 105.70): E

1200000 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

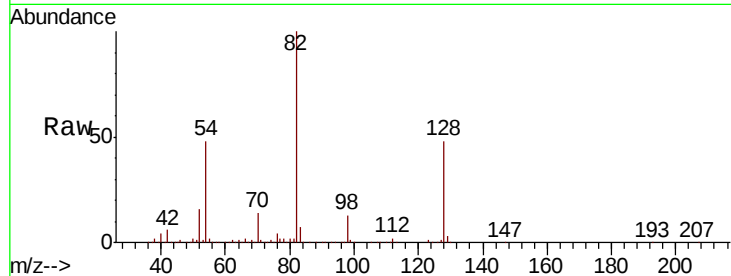




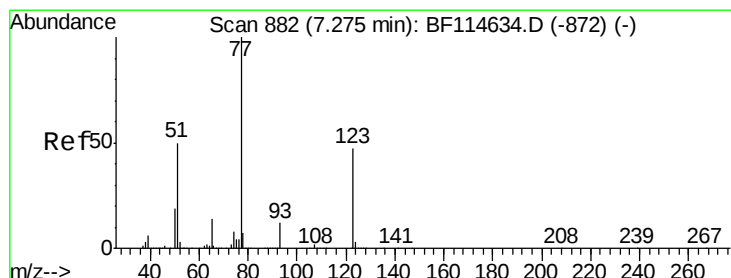
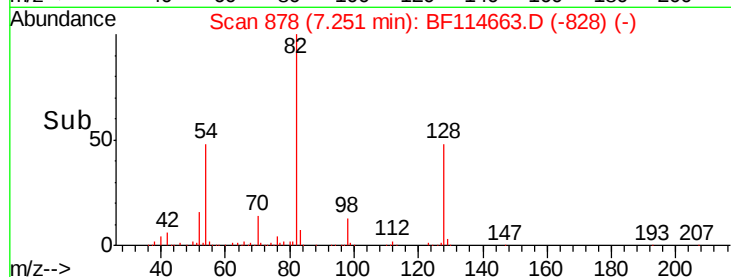
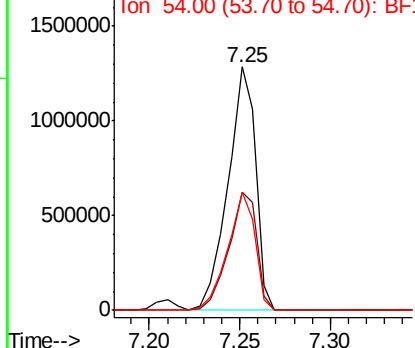
#23
Nitrobenzene-d5
Concen: 59.259 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion: 82 Resp: 1362040
Ion Ratio Lower Upper
82 100
128 48.4 38.5 57.7
54 48.4 39.1 58.7

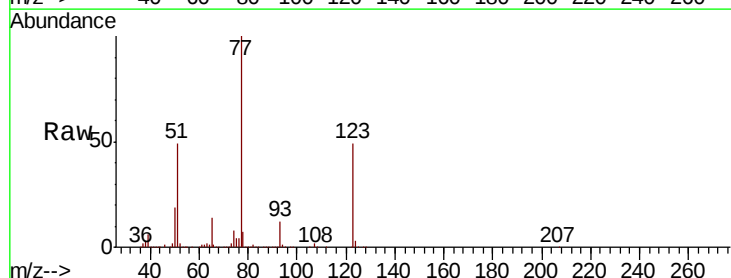


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

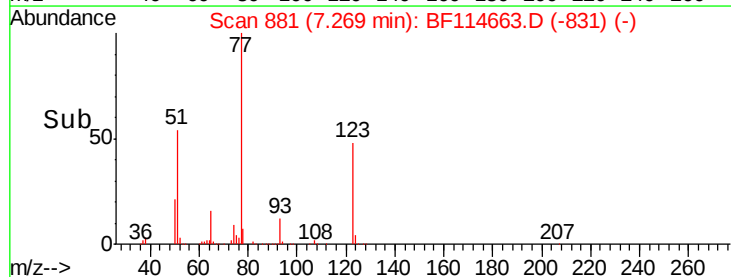
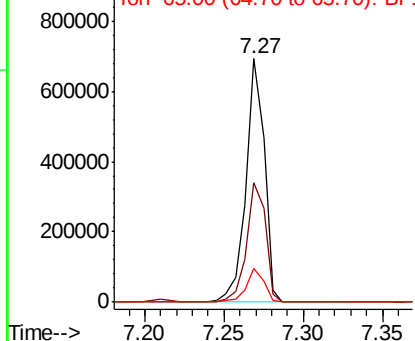


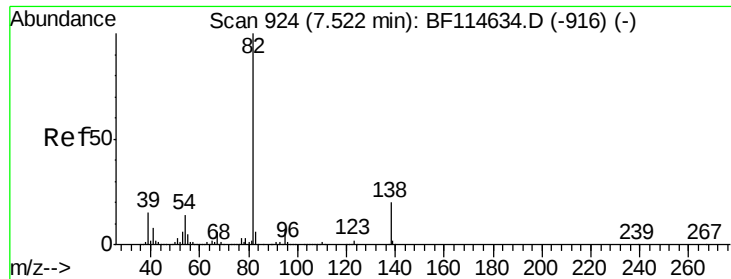
#24
Nitrobenzene
Concen: 22.750 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion: 77 Resp: 555454
Ion Ratio Lower Upper
77 100
123 48.8 38.5 57.7
65 13.7 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 21.648 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

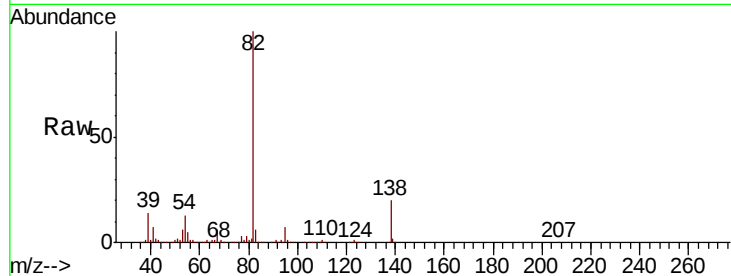
Tot Ion: 82 Resp: 998533

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

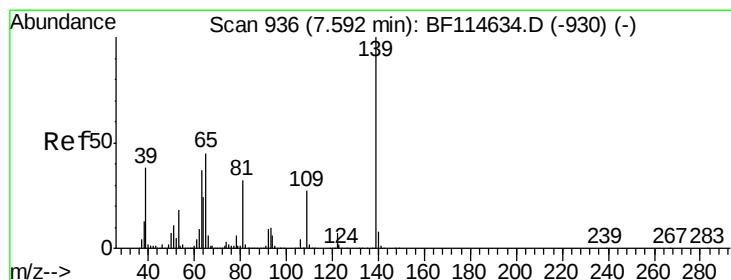
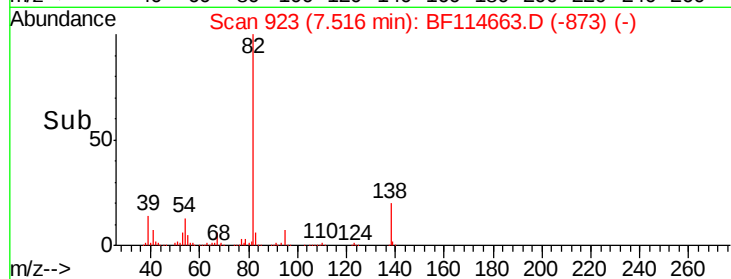
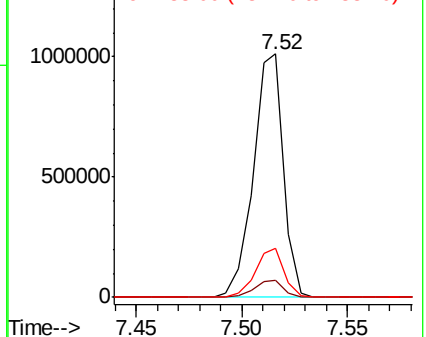
138 20.3 15.9 23.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 22.215 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

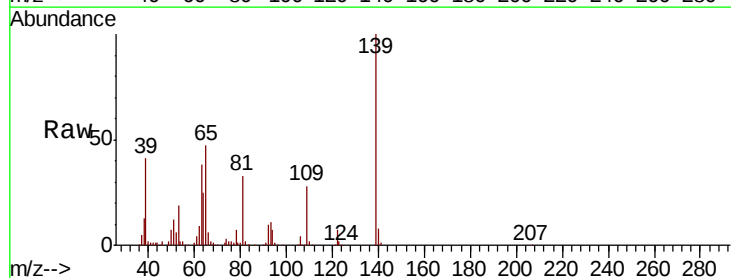
Tgt Ion: 139 Resp: 264021

Ion Ratio Lower Upper

139 100

109 27.7 21.7 32.5

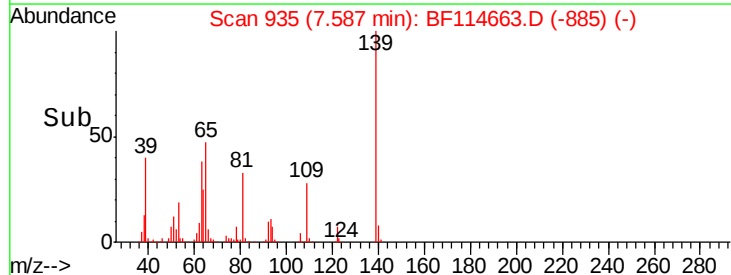
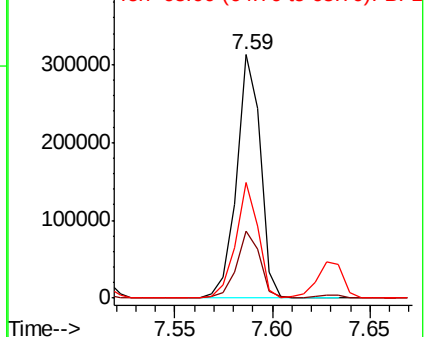
65 47.4 36.3 54.5

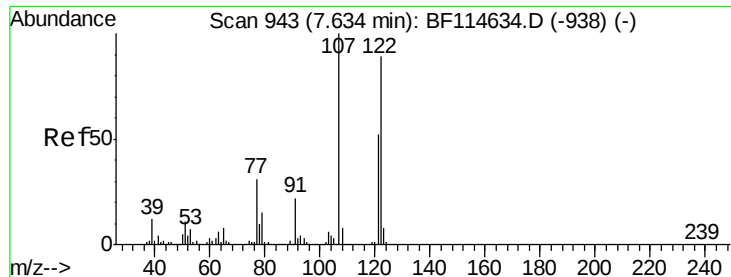


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 25.159 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

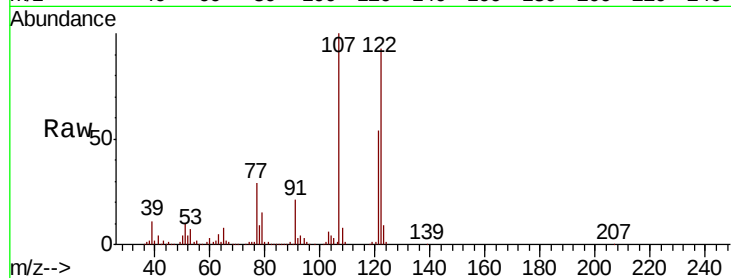
Tot Ion:122 Resp: 497274

Ion Ratio Lower Upper

122 100

107 107.1 89.3 133.9

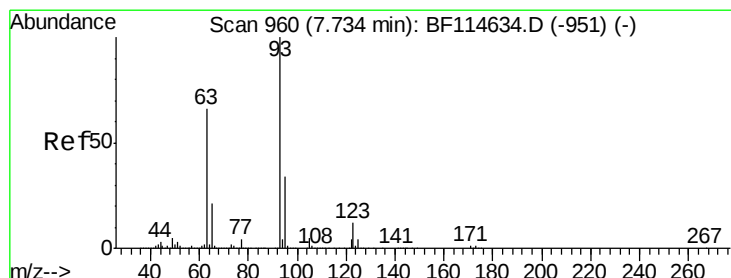
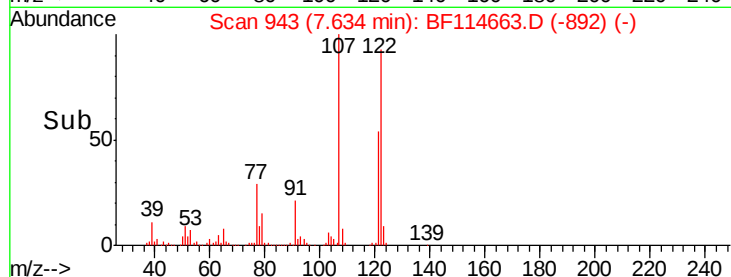
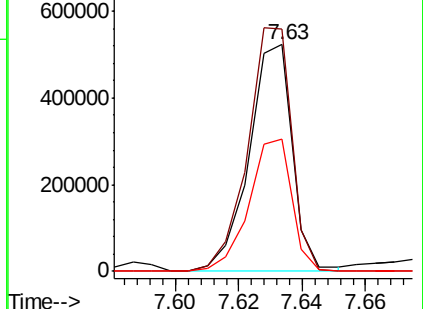
121 58.2 46.8 70.2



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: 21.934 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

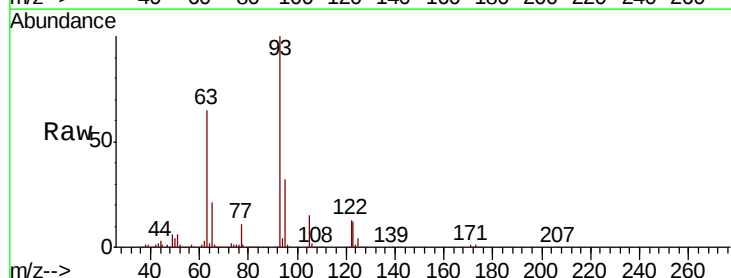
Tgt Ion: 93 Resp: 644060

Ion Ratio Lower Upper

93 100

95 32.1 27.0 40.4

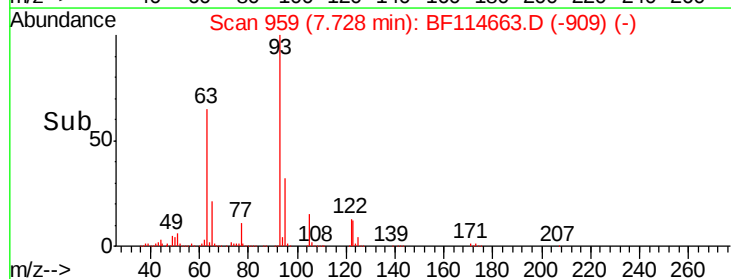
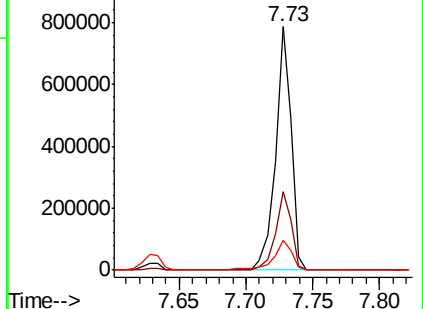
123 12.4 10.2 15.2

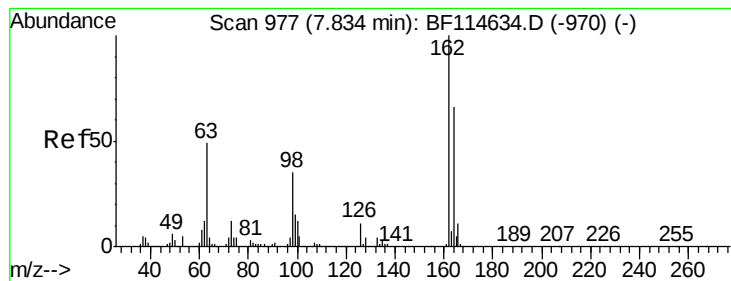


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 22.978 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

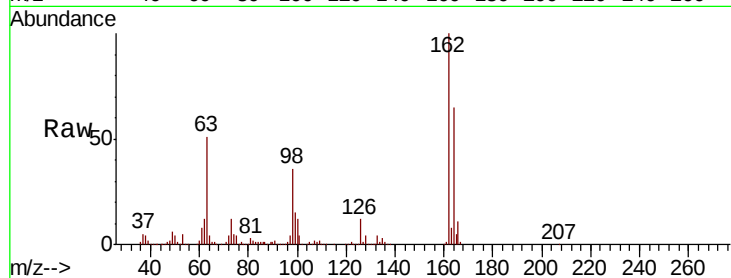
Tot Ion:162 Resp: 462278

Ion Ratio Lower Upper

162 100

164 65.4 45.8 85.8

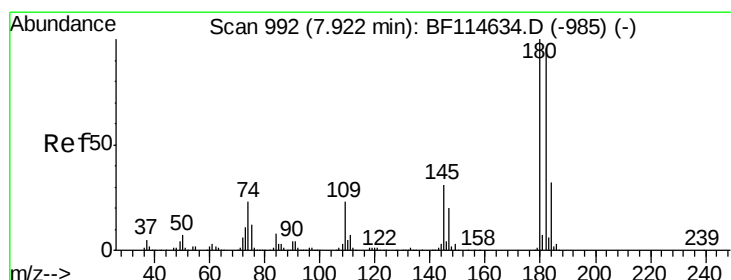
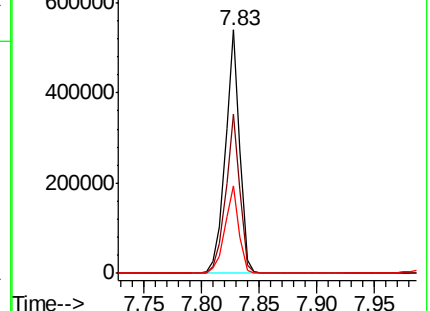
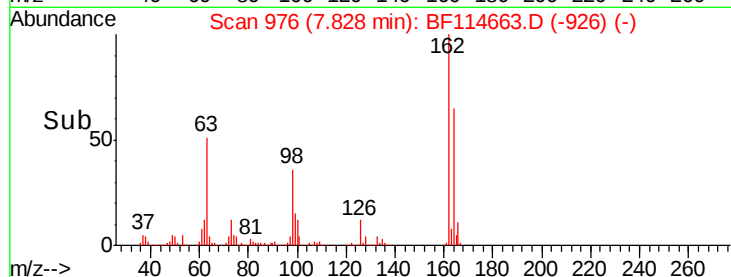
98 35.7 14.9 54.9



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: 22.843 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

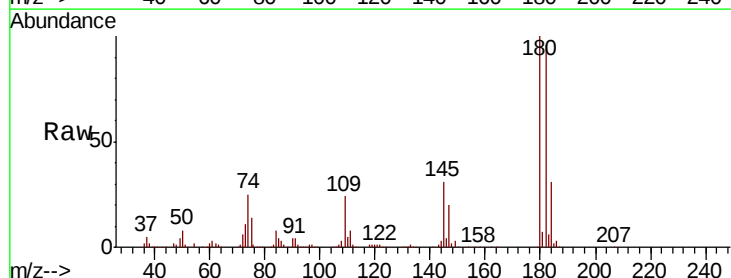
Tgt Ion:180 Resp: 523579

Ion Ratio Lower Upper

180 100

182 96.5 76.9 115.3

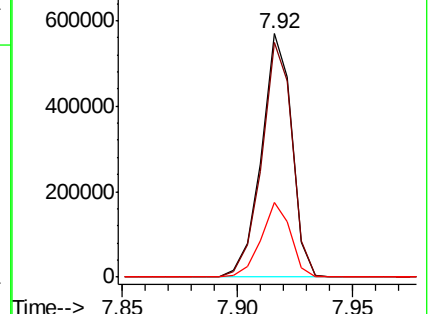
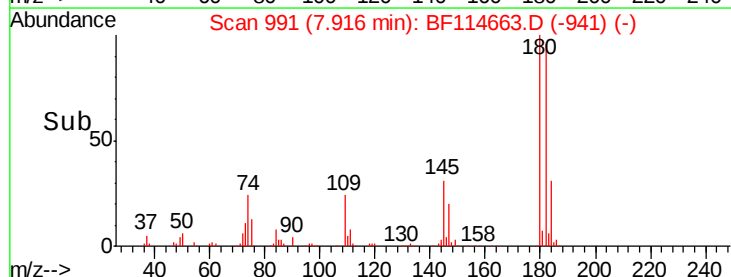
145 30.9 24.5 36.7

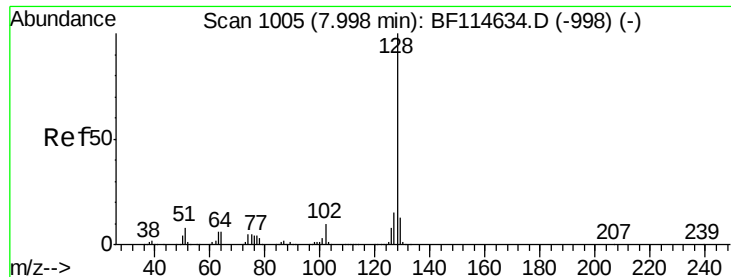


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

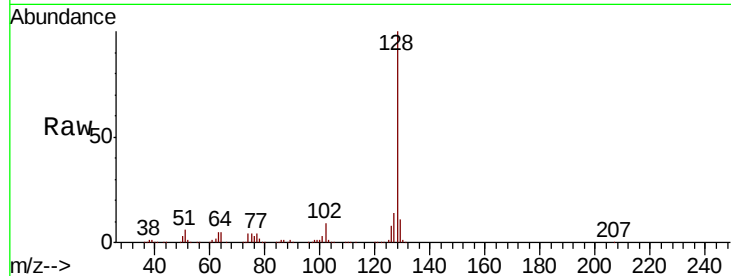




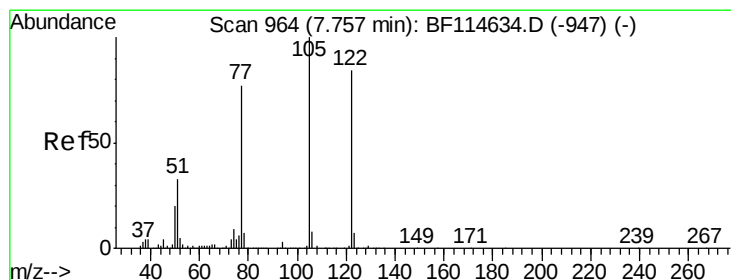
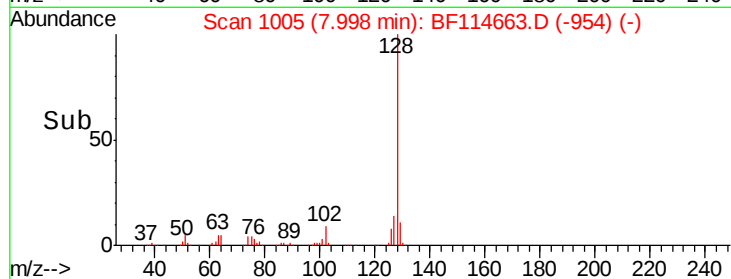
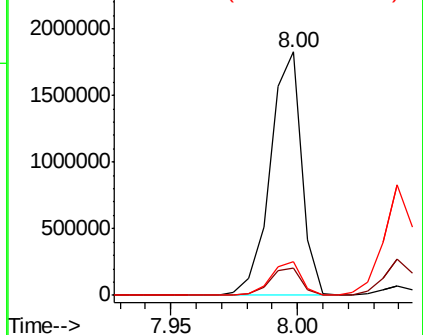
#31
Naphthalene
Concen: 23.960 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:128 Resp: 1582565
Ion Ratio Lower Upper
128 100
129 11.3 10.2 15.2
127 13.7 11.9 17.9

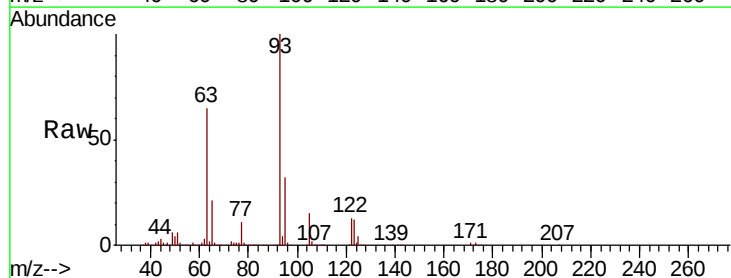


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

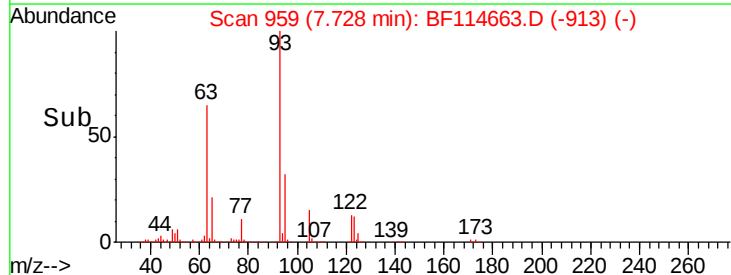
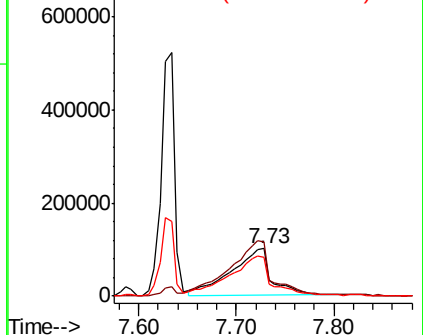


#32
Benzoic acid
Concen: 22.747 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:122 Resp: 292029
Ion Ratio Lower Upper
122 100
105 115.8 98.3 138.3
77 82.8 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

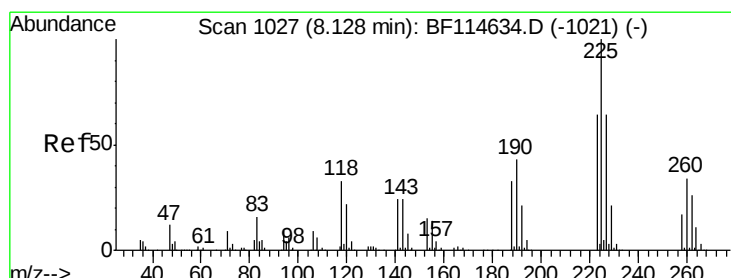
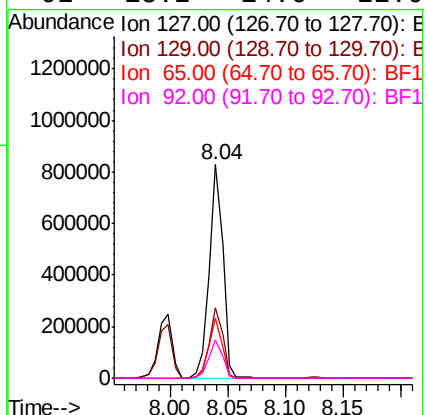
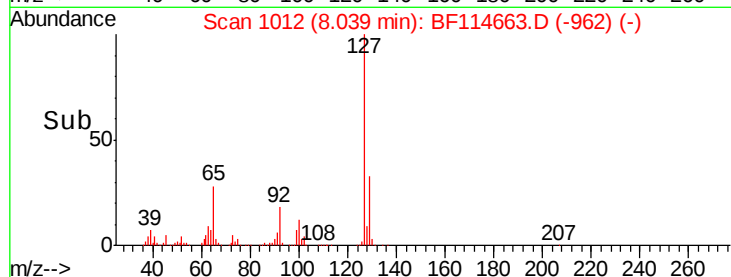
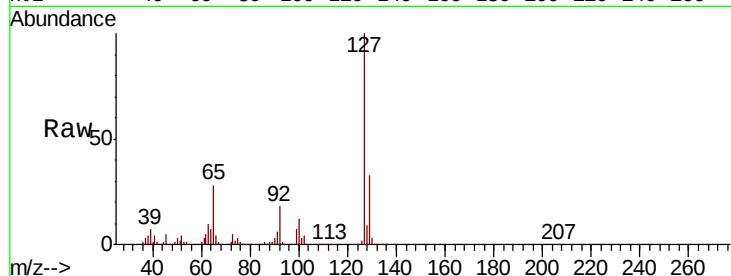




#33
4-Chloroaniline
Concen: 21.740 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

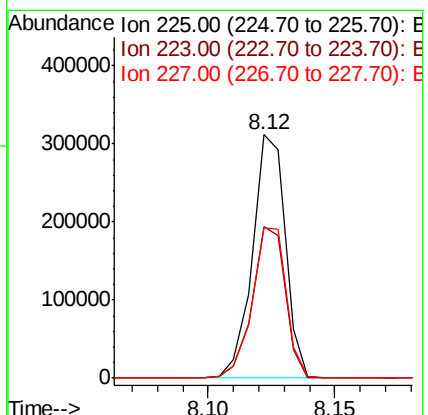
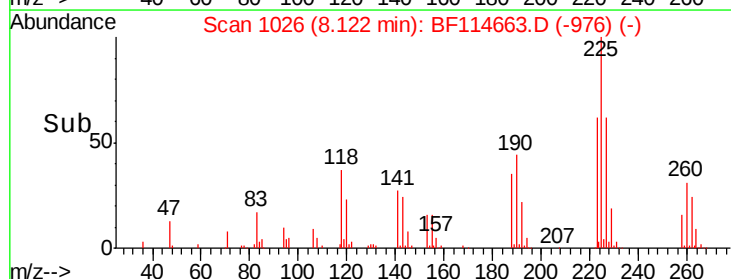
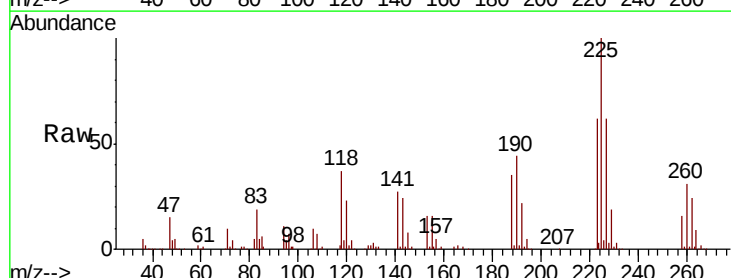
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

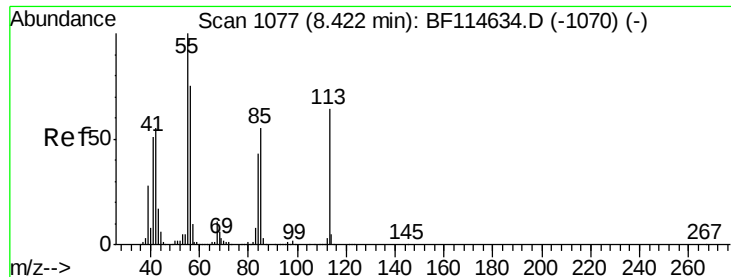
Tot Ion:	127	Resp:	684135
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.7	40.1
65	28.0	22.5	33.7
92	18.2	14.6	22.0



#34
Hexachlorobutadiene
Concen: 22.273 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:	225	Resp:	283602
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.9	76.3
227	61.6	51.3	76.9

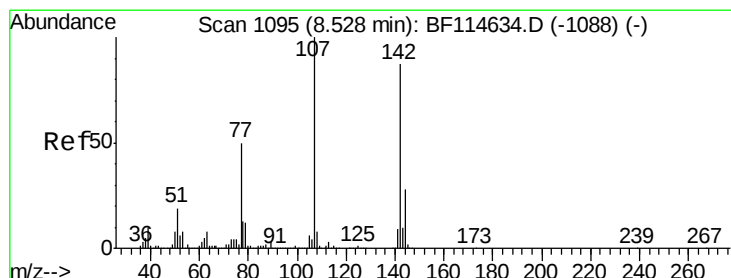
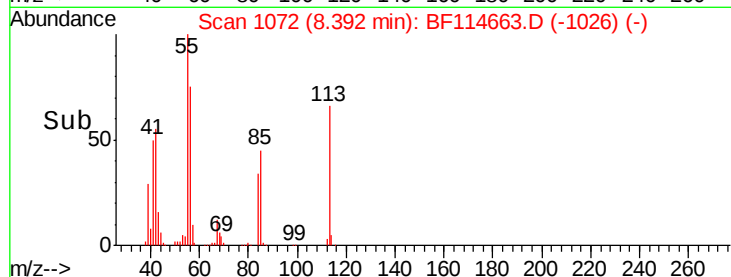
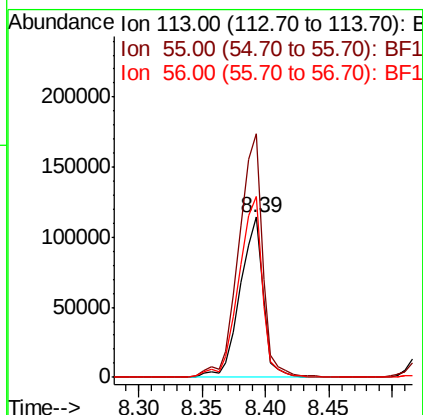
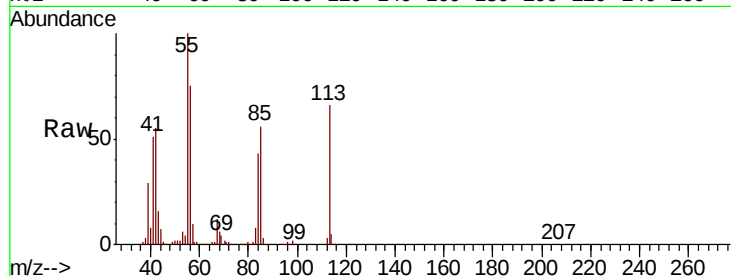




#35
 Caprolactam
 Concen: 21.104 ng
 RT: 8.39 min Scan# 1072
 Delta R.T. -0.03 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

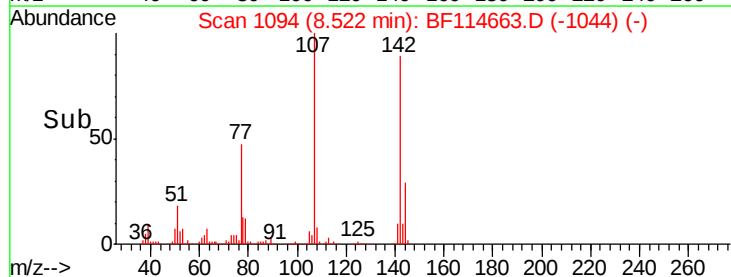
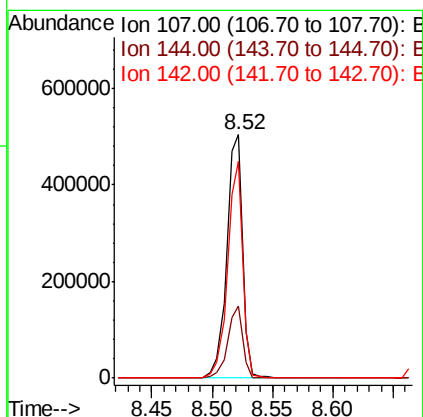
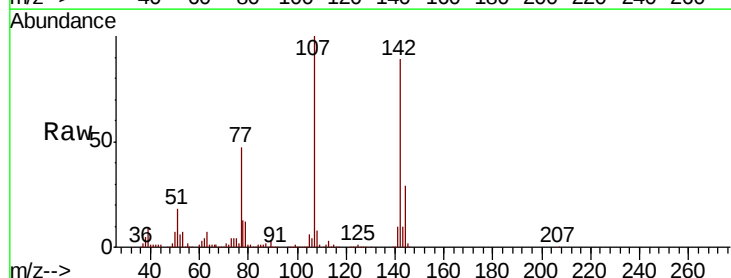
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

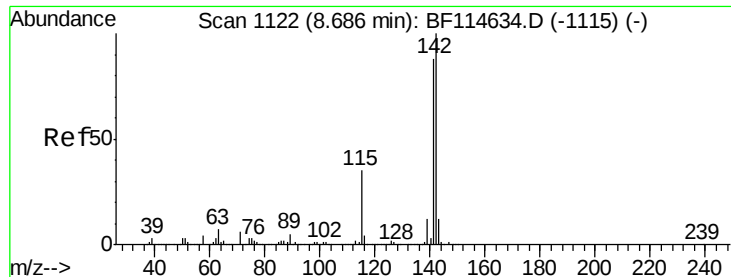
Tot Ion:113 Resp: 143282
 Ion Ratio Lower Upper
 113 100
 55 151.9 136.4 176.4
 56 113.2 97.0 137.0



#36
 4-Chloro-3-methylphenol
 Concen: 22.771 ng
 RT: 8.52 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:107 Resp: 459422
 Ion Ratio Lower Upper
 107 100
 144 29.4 22.5 33.7
 142 89.2 69.8 104.6

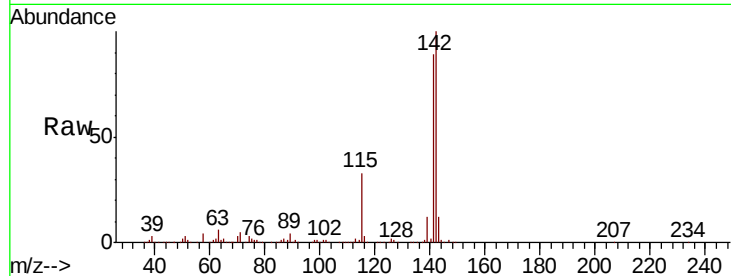




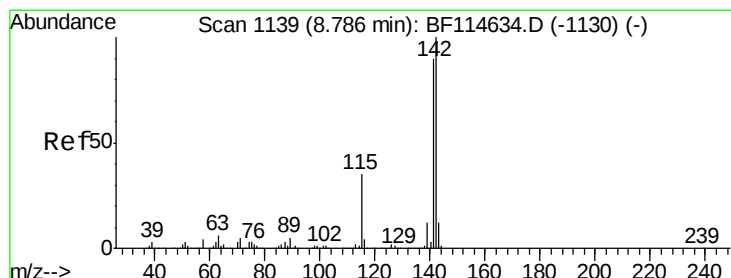
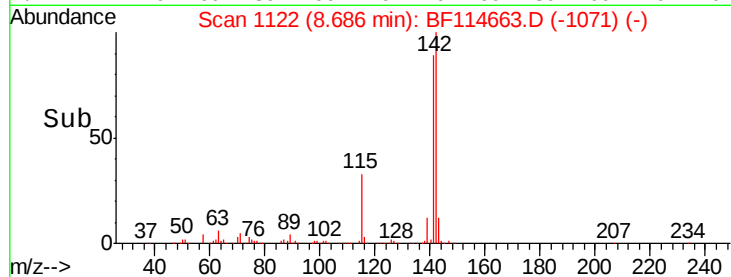
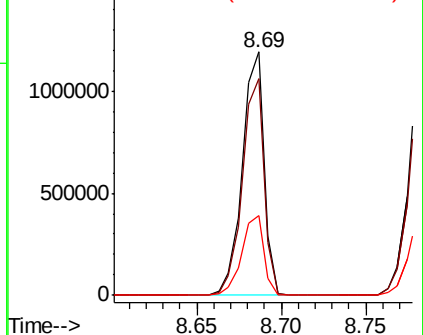
#37
2-Methylnaphthalene
Concen: 24.524 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:142 Resp: 1076266
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5
115 32.7 28.0 42.0

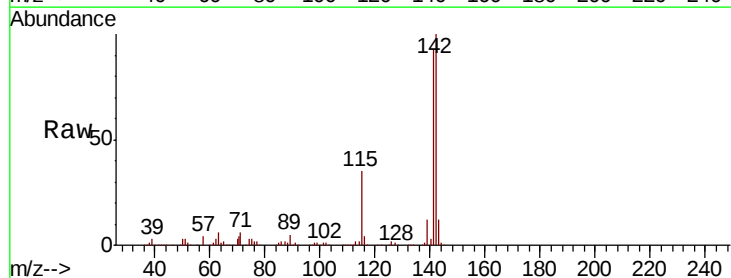


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

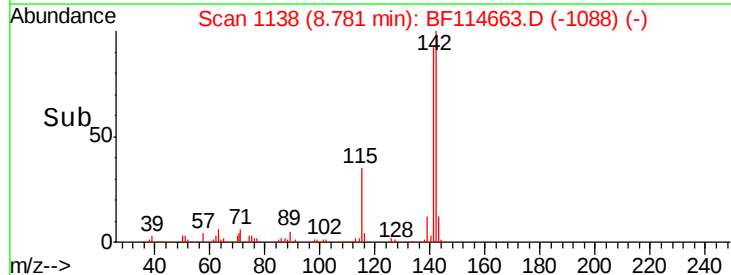
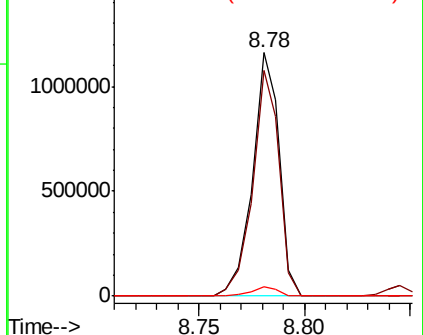


#38
1-Methylnaphthalene
Concen: 24.571 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:142 Resp: 1021648
Ion Ratio Lower Upper
142 100
141 92.6 72.3 108.5
116 3.7 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

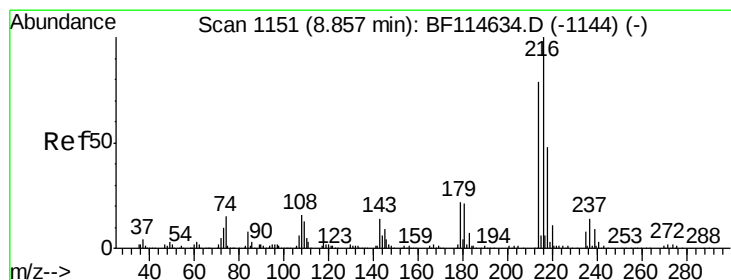
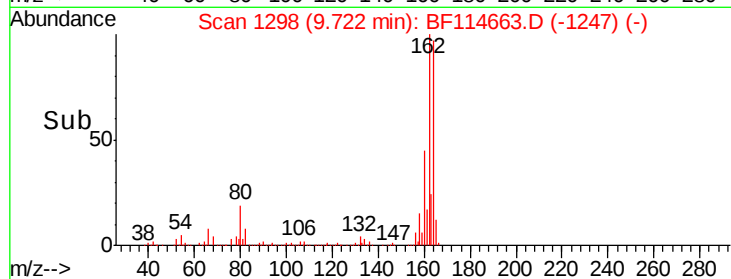
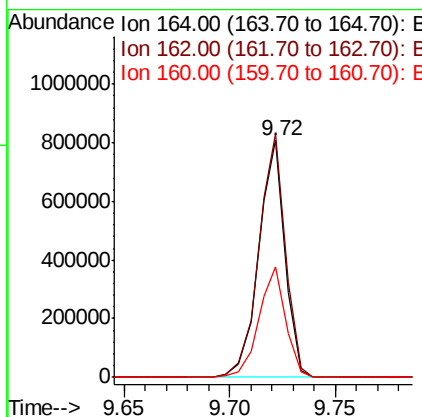
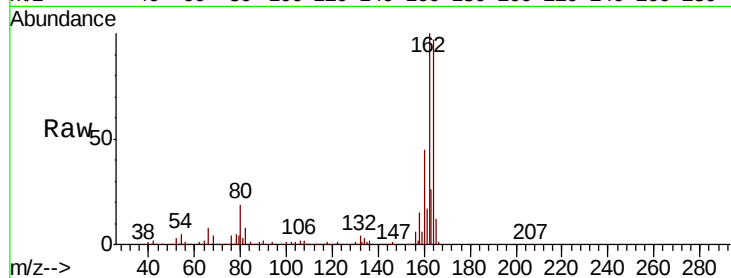




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

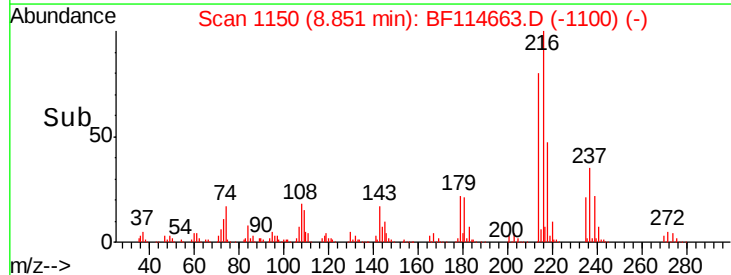
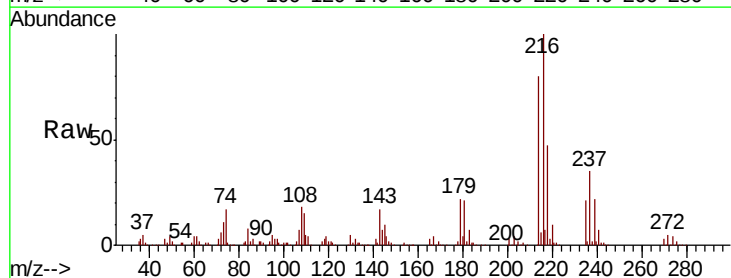
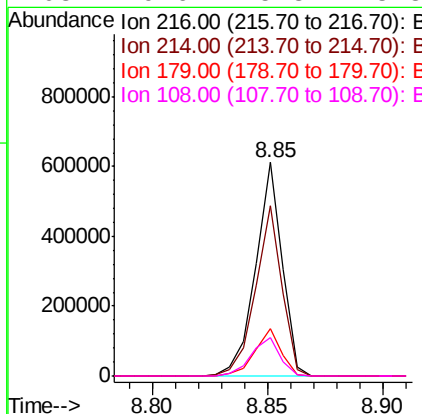
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

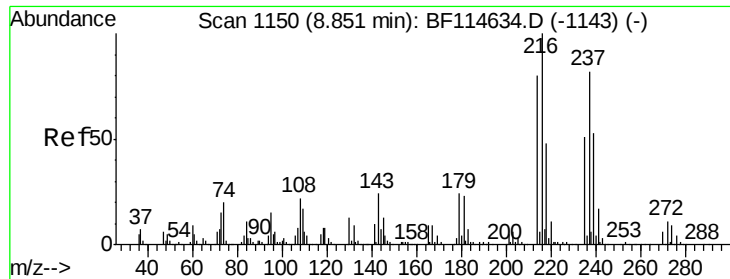
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.4	122.2
160	46.6	36.6	54.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 26.459 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.1	17.9	26.9
108	19.6	15.8	23.8





#41

Hexachlorocyclopentadiene

Concen: 24.828 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

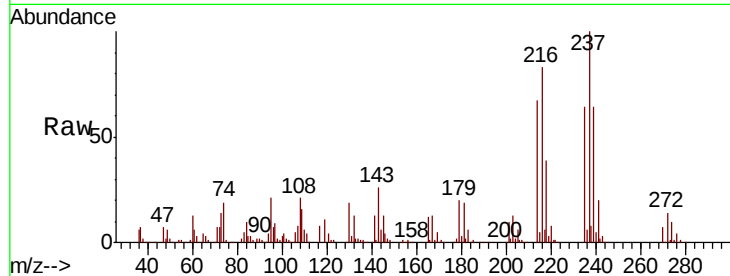
Tot Ion:237 Resp: 304686

Ion Ratio Lower Upper

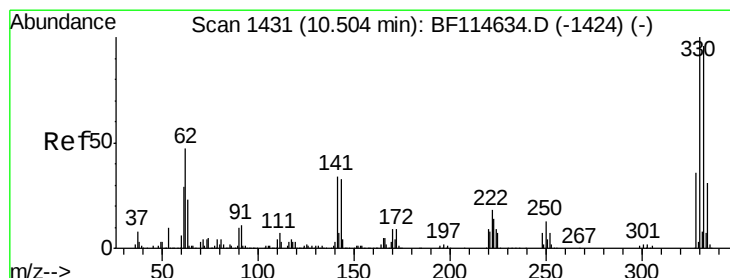
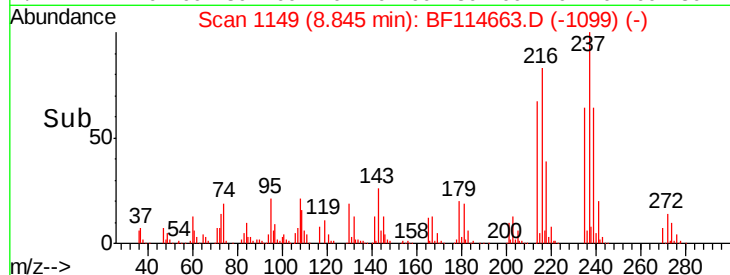
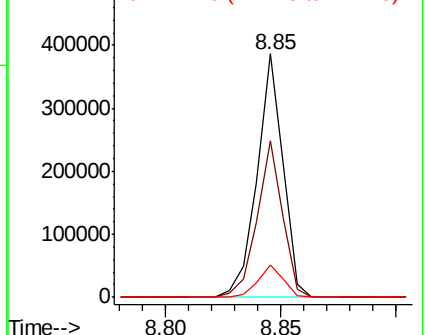
237 100

235 64.4 42.8 82.8

272 13.5 0.0 33.7



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: 99.286 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

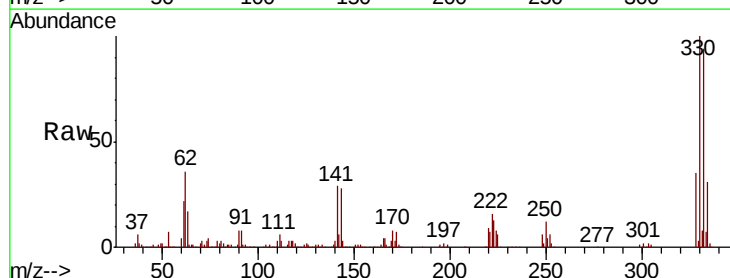
Tgt Ion:330 Resp: 659719

Ion Ratio Lower Upper

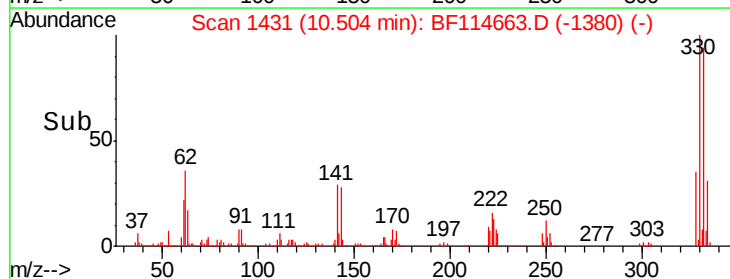
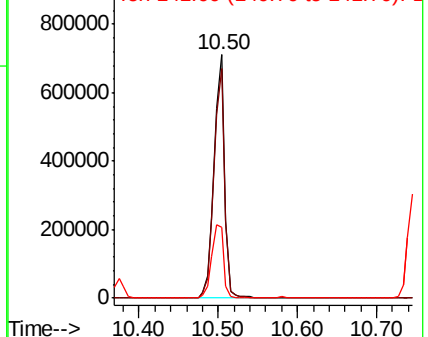
330 100

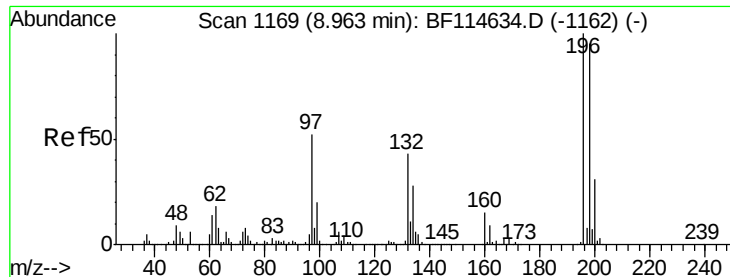
332 96.0 75.8 113.8

141 33.9 27.8 41.8



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

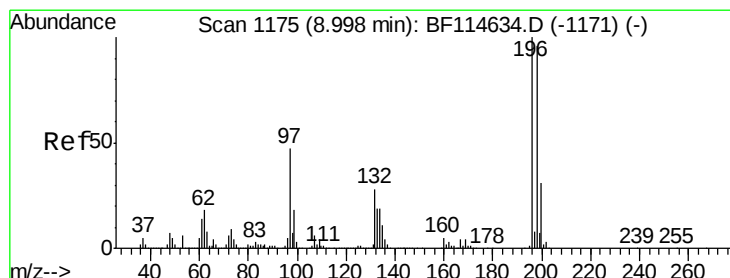
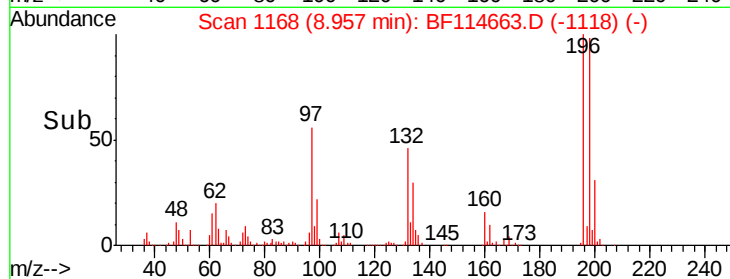
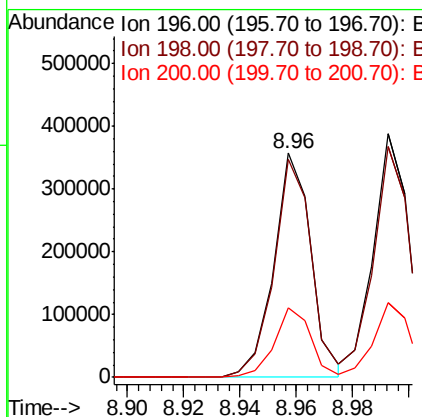
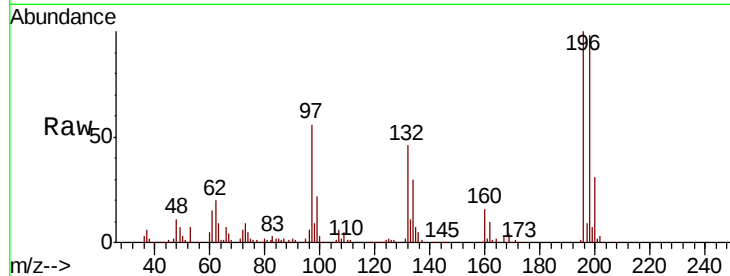




#43
 2,4,6-Trichlorophenol
 Concen: 22.297 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

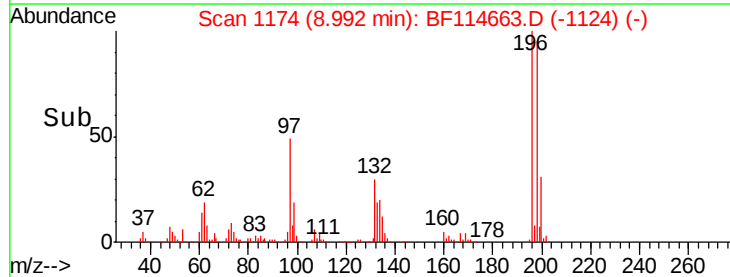
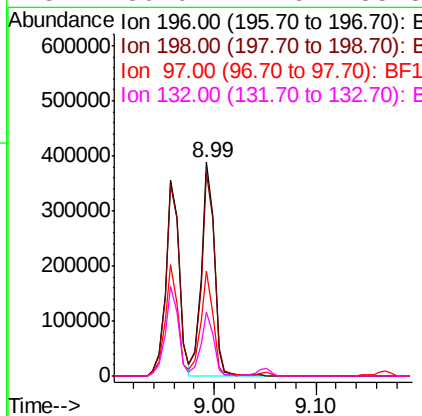
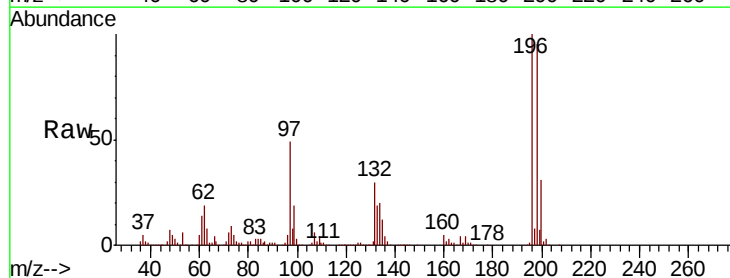
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

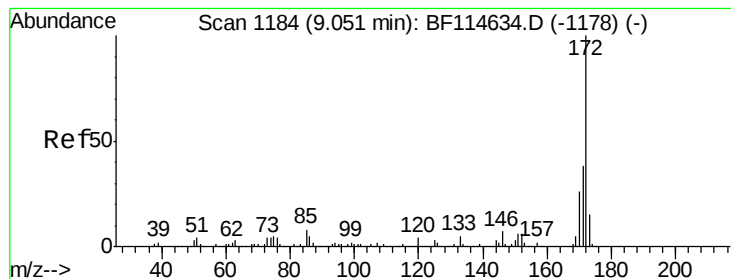
Tot Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.0	24.7	37.1



#44
 2,4,5-Trichlorophenol
 Concen: 23.533 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.8	115.2
97	49.3	37.8	56.8
132	30.0	22.6	33.8

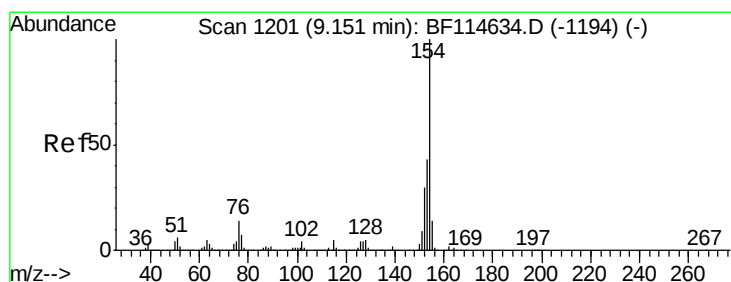
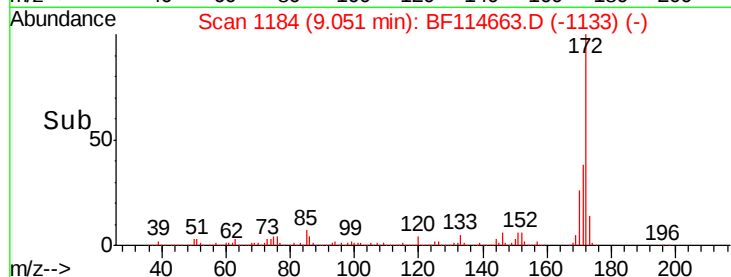
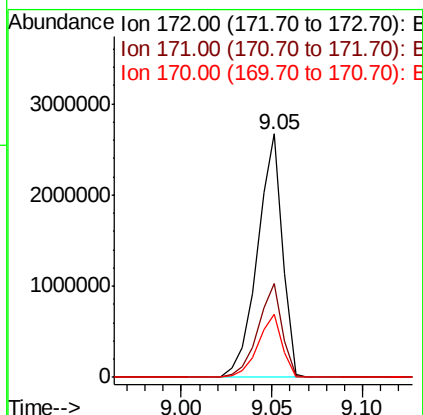
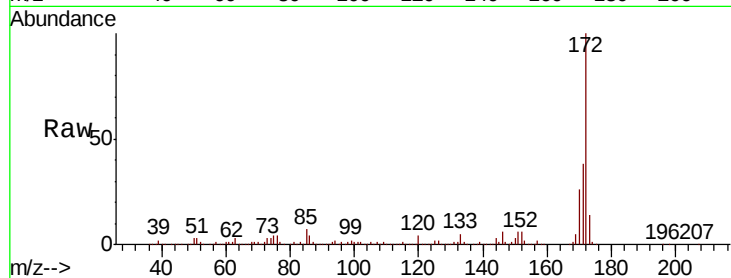




#45
 2-Fluorobiphenyl
 Concen: 60.753 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

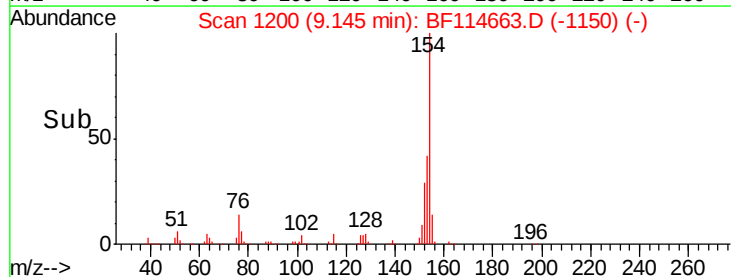
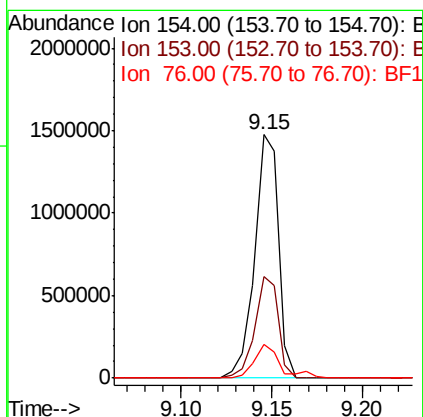
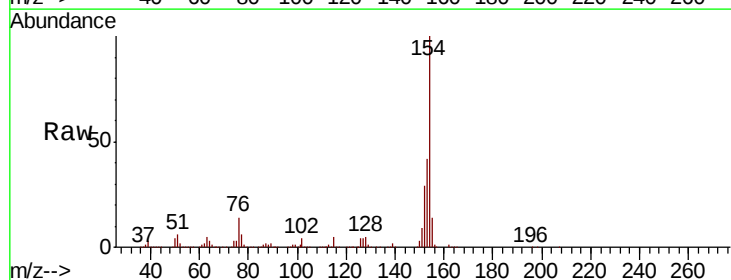
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

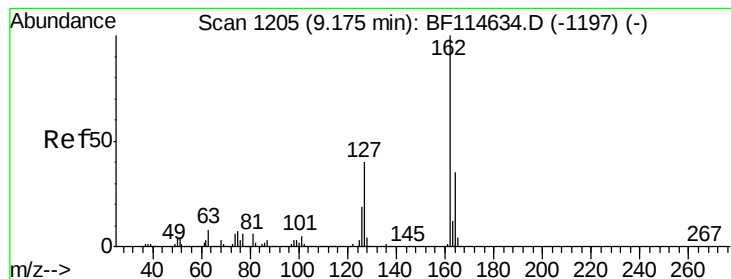
Tot Ion:172 Resp: 2550028
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.6 45.8
 170 25.7 20.7 31.1



#46
 1,1'-Biphenyl
 Concen: 25.991 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:154 Resp: 1345406
 Ion Ratio Lower Upper
 154 100
 153 41.7 23.0 63.0
 76 13.8 0.0 33.9





#47

2-Chloronaphthalene

Concen: 23.974 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

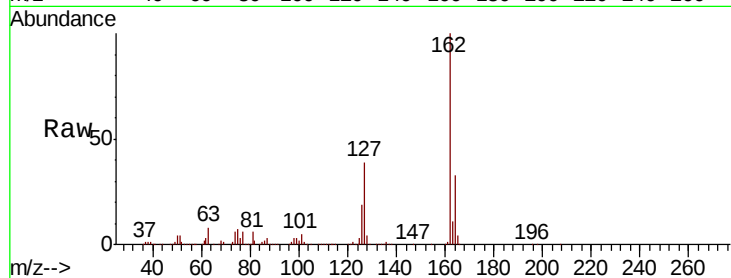
Tot Ion:162 Resp: 1017968

Ion Ratio Lower Upper

162 100

127 38.8 32.2 48.2

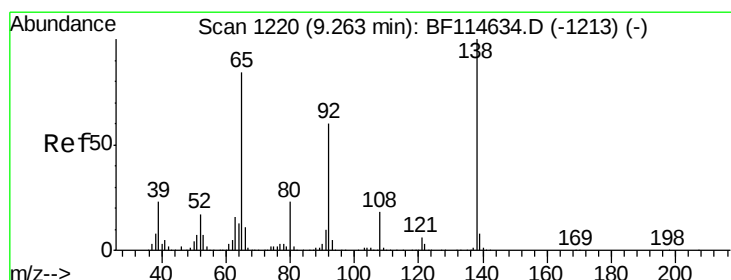
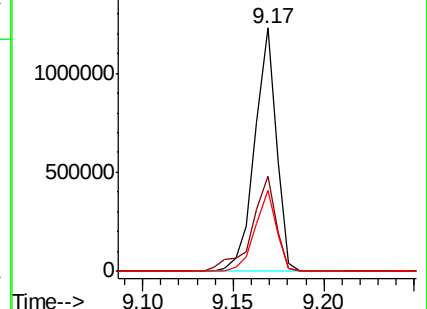
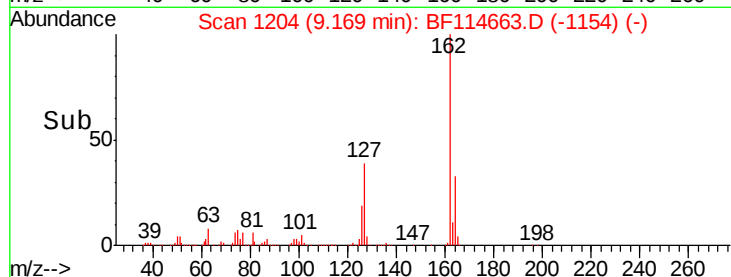
164 33.4 27.8 41.6



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: 20.976 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

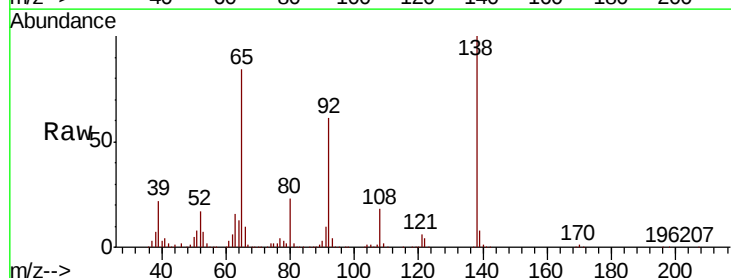
Tgt Ion: 65 Resp: 274856

Ion Ratio Lower Upper

65 100

92 72.9 57.1 85.7

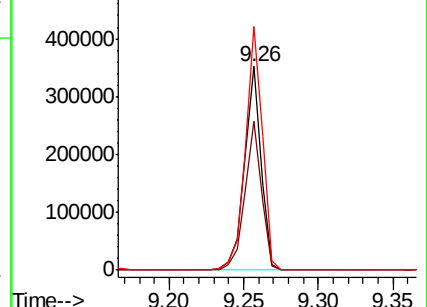
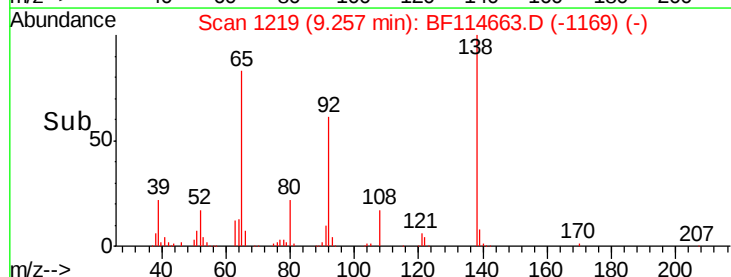
138 119.5 95.8 143.6

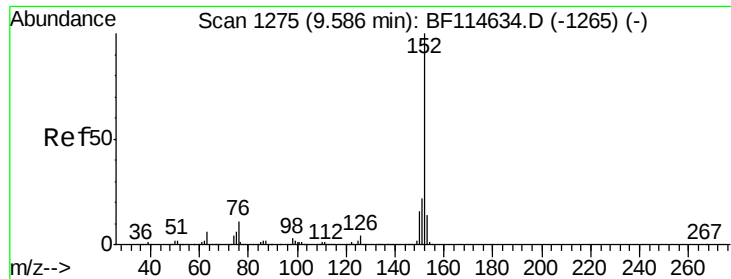


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 24.168 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

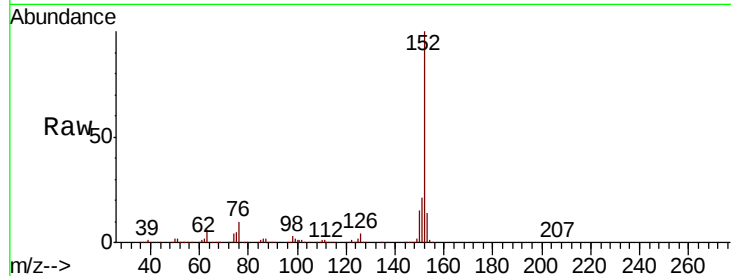
Tot Ion:152 Resp: 1585411

Ion Ratio Lower Upper

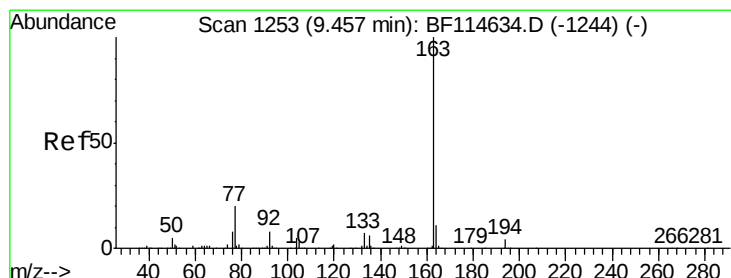
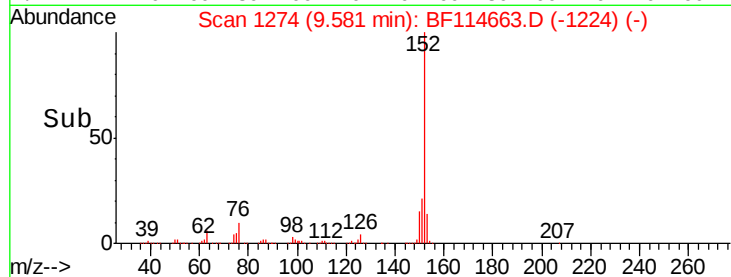
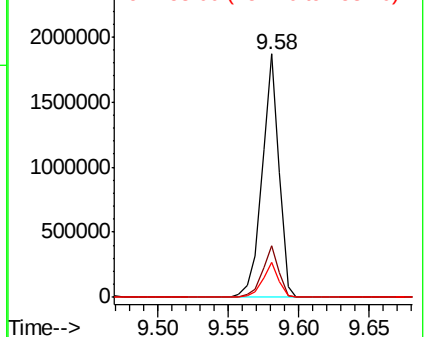
152 100

151 21.2 17.5 26.3

153 14.1 11.6 17.4



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: 23.456 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

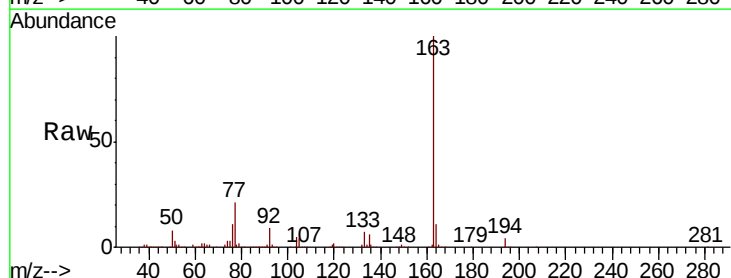
Tgt Ion:163 Resp: 1139771

Ion Ratio Lower Upper

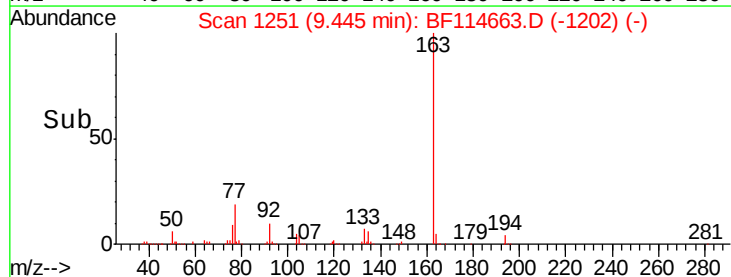
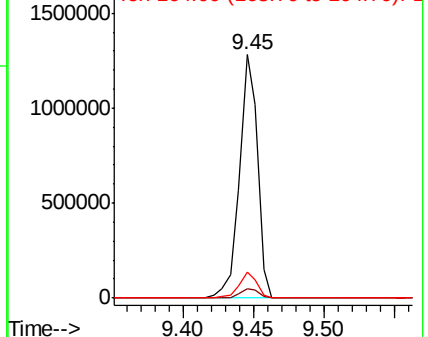
163 100

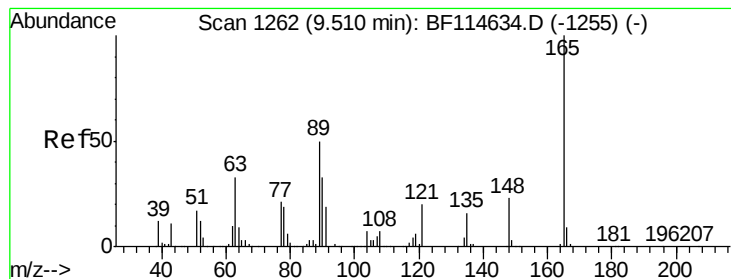
194 4.0 3.4 5.0

164 10.7 8.6 13.0



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: 22.673 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

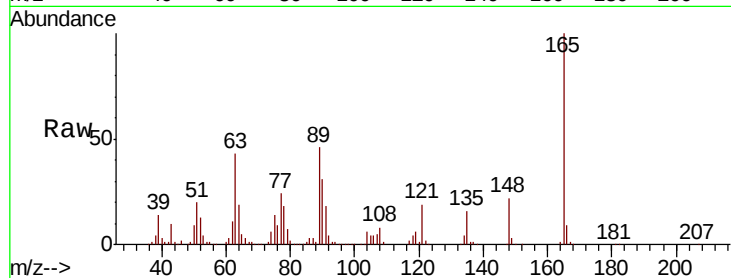
Tot Ion:165 Resp: 256001

Ion Ratio Lower Upper

165 100

63 42.7 36.6 54.8

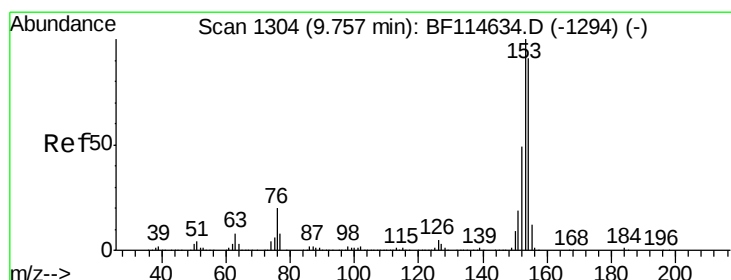
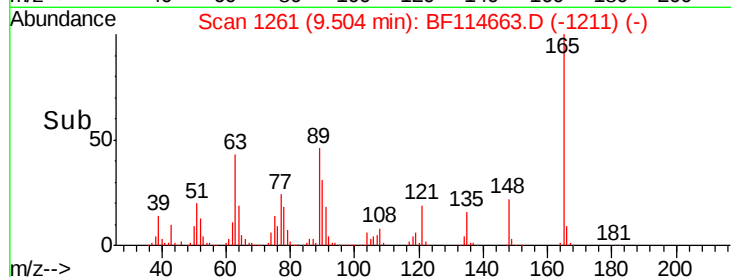
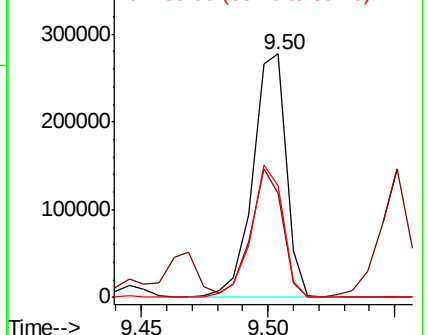
89 46.0 40.2 60.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 24.146 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

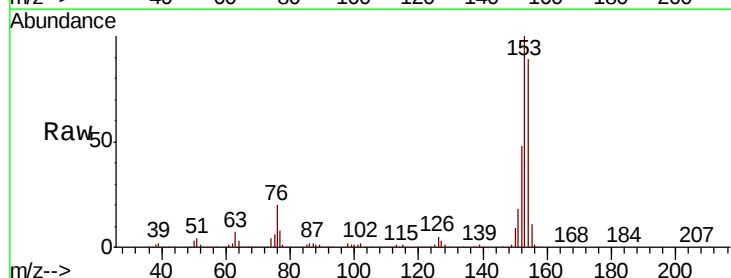
Tgt Ion:154 Resp: 971410

Ion Ratio Lower Upper

154 100

153 112.3 88.4 132.6

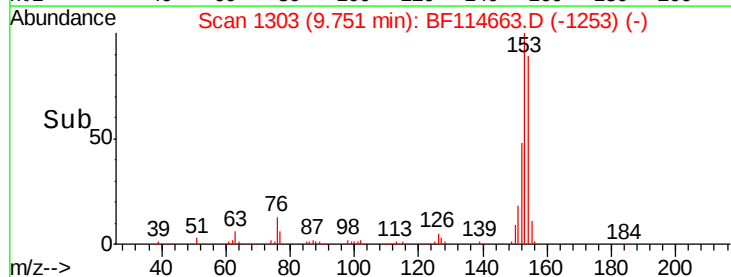
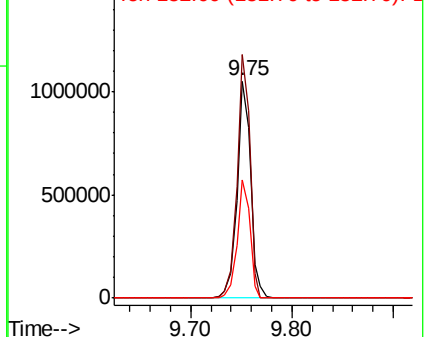
152 54.3 43.4 65.0

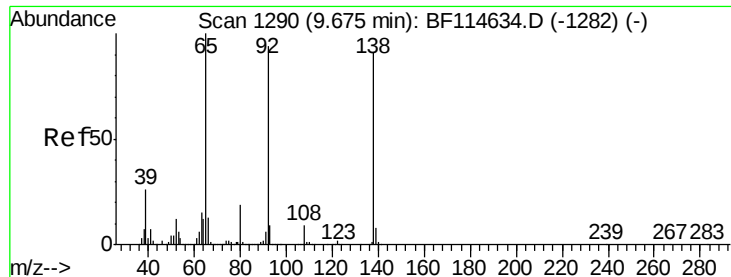


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

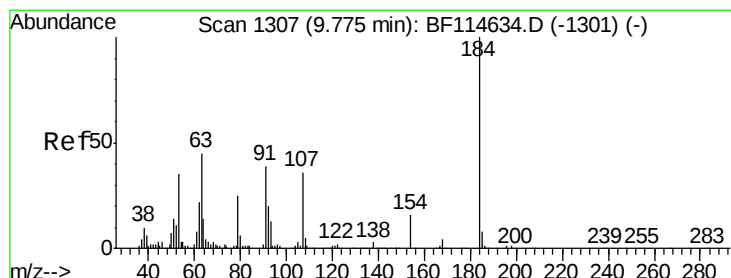
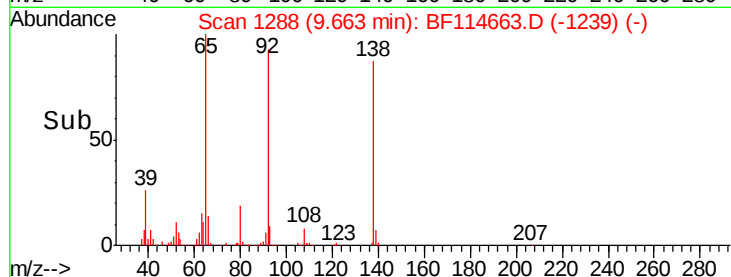
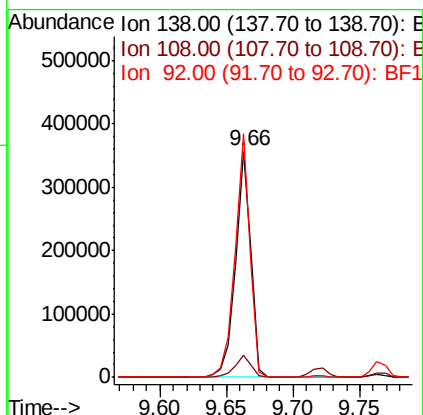
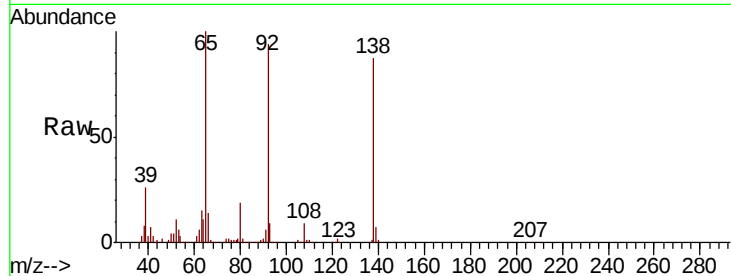




#53
3-Nitroaniline
Concen: 20.970 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

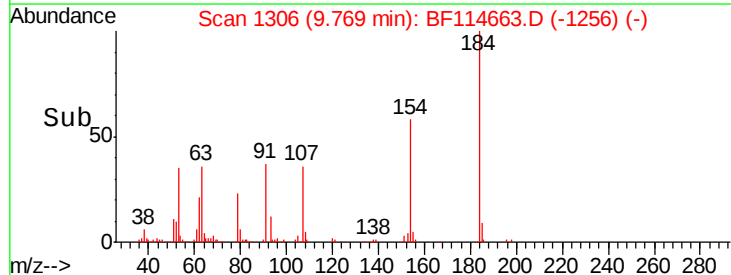
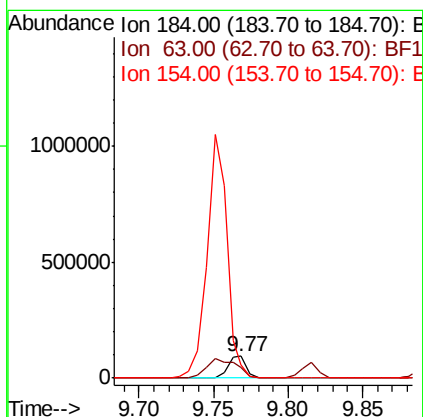
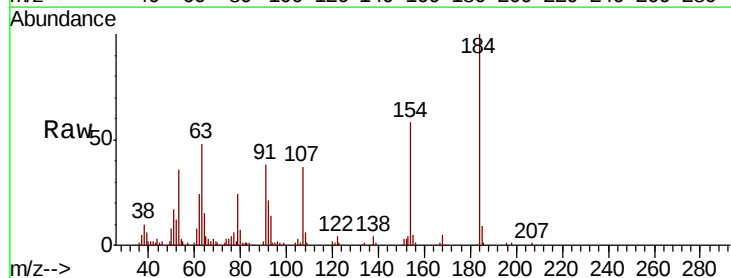
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

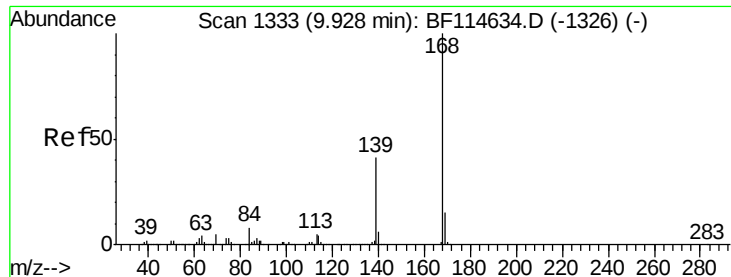
Tot Ion:138 Resp: 289778
Ion Ratio Lower Upper
138 100
108 10.0 8.3 12.5
92 107.8 83.1 124.7



#54
2,4-Dinitrophenol
Concen: 18.690 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:184 Resp: 83238
Ion Ratio Lower Upper
184 100
63 48.4 38.8 58.2
154 58.5 43.7 65.5

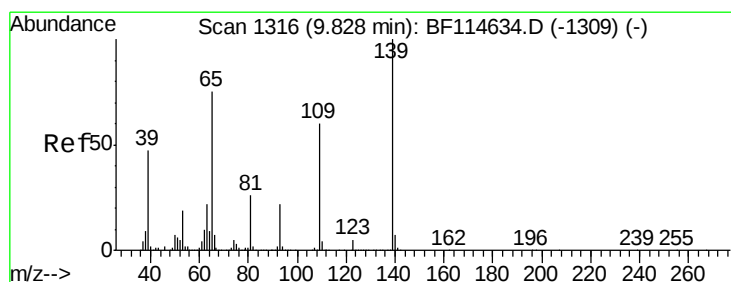
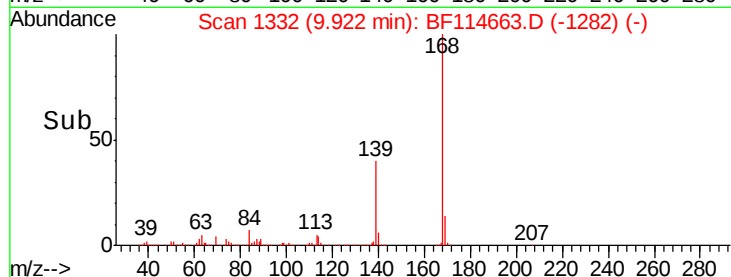
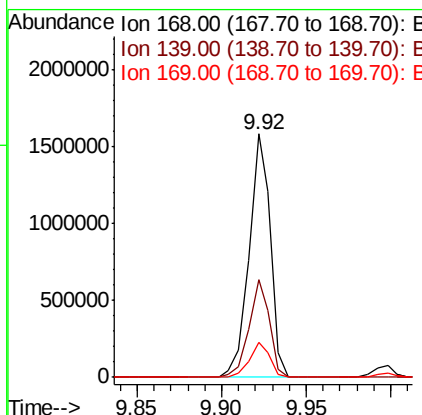
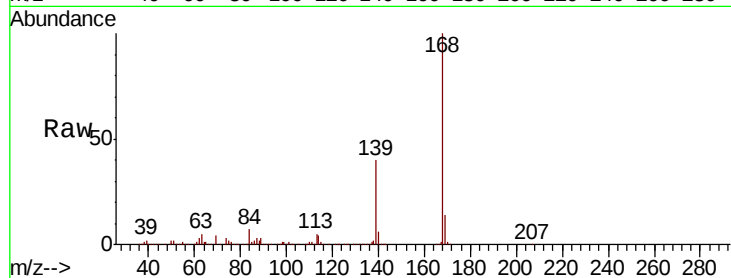




#55
Dibenzofuran
Concen: 24.292 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

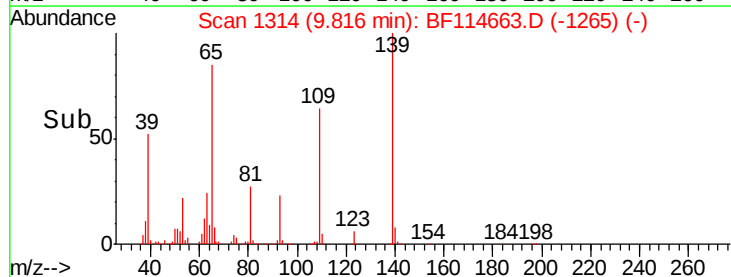
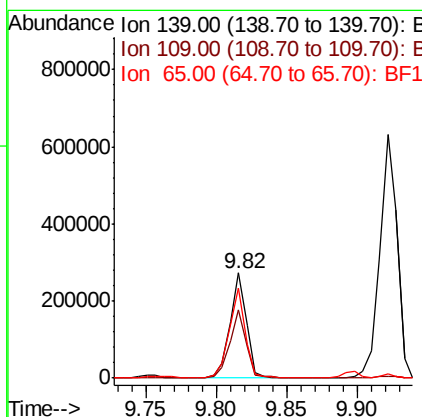
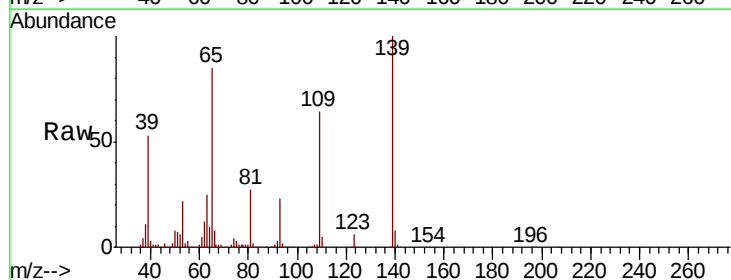
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

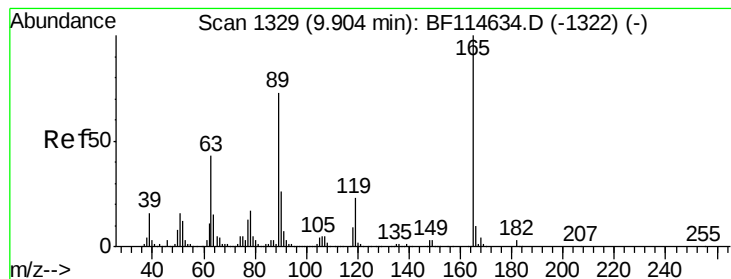
Tot Ion:168 Resp: 1391104
Ion Ratio Lower Upper
168 100
139 40.0 32.6 48.8
169 14.4 11.8 17.8



#56
4-Nitrophenol
Concen: 21.918 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:139 Resp: 224455
Ion Ratio Lower Upper
139 100
109 64.2 40.4 80.4
65 85.2 54.7 94.7





#57

2,4-Dinitrotoluene

Concen: 22.780 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:165 Resp: 330100

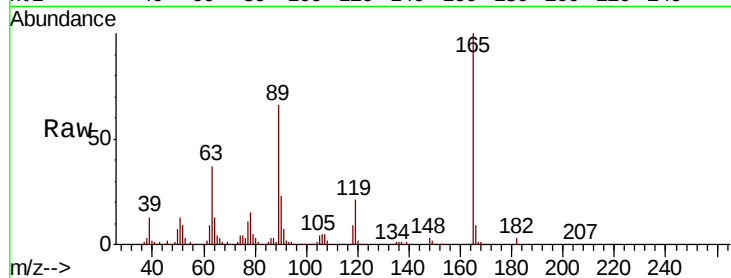
Ion Ratio Lower Upper

165 100

63 36.8 34.8 52.2

89 66.0 58.5 87.7

182 2.6 2.2 3.2

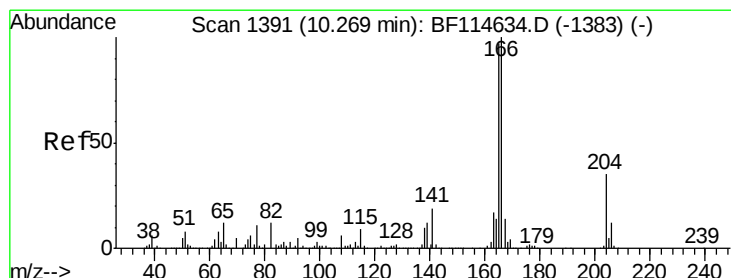
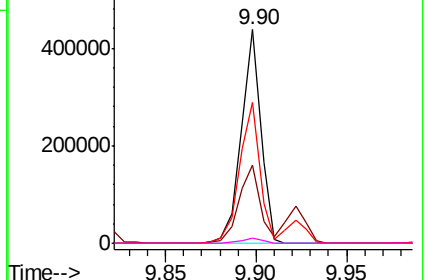
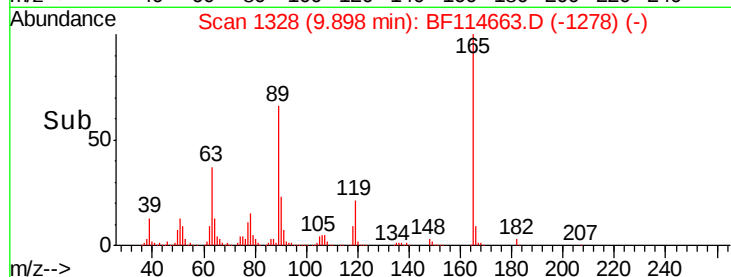


Abundance Ion 165.00 (164.70 to 165.70): E

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: 26.017 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

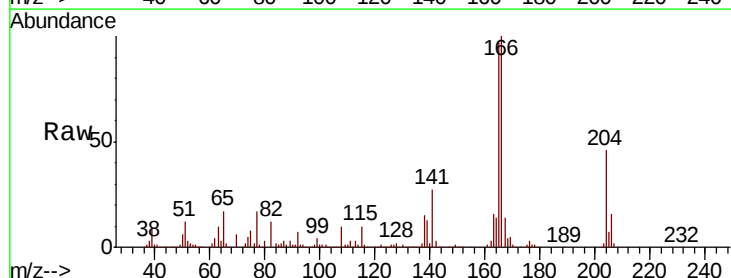
Tgt Ion:166 Resp: 1005979

Ion Ratio Lower Upper

166 100

165 96.7 77.6 116.4

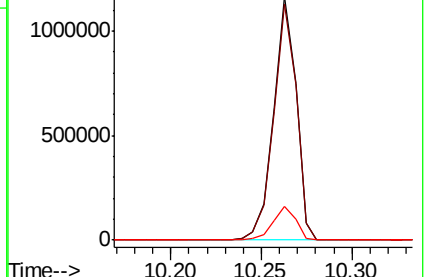
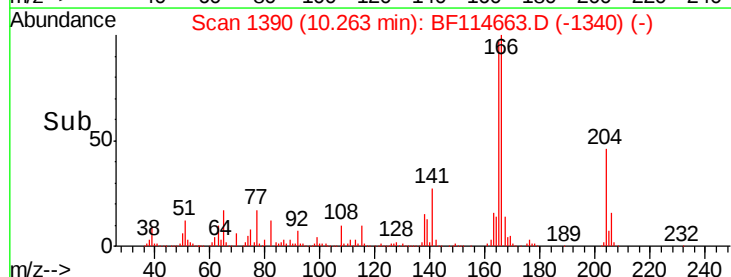
167 13.9 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

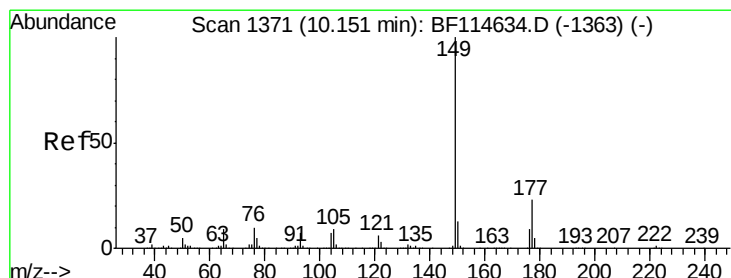
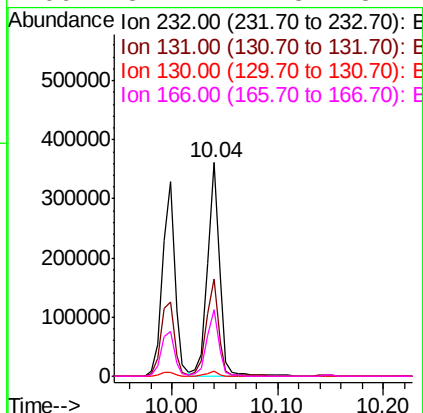
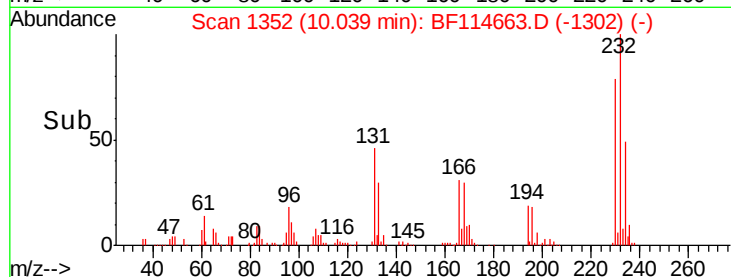
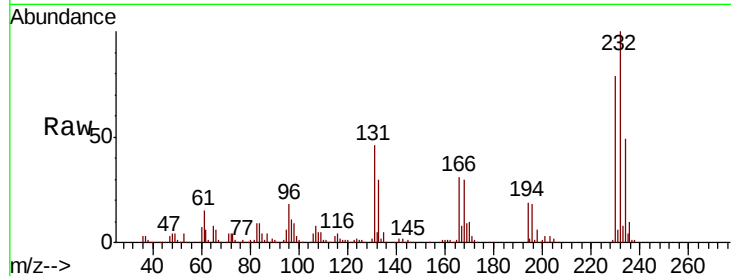




#59
2,3,4,6-Tetrachlorophenol
Concen: 24.109 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

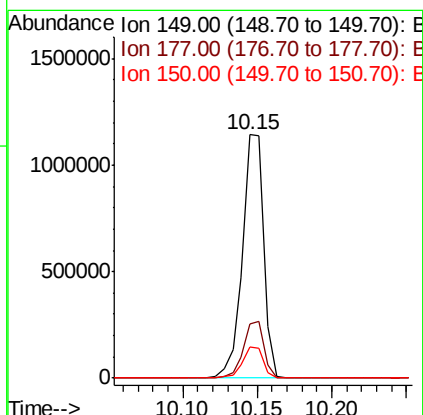
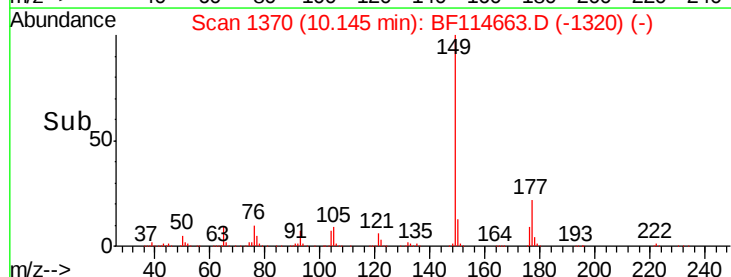
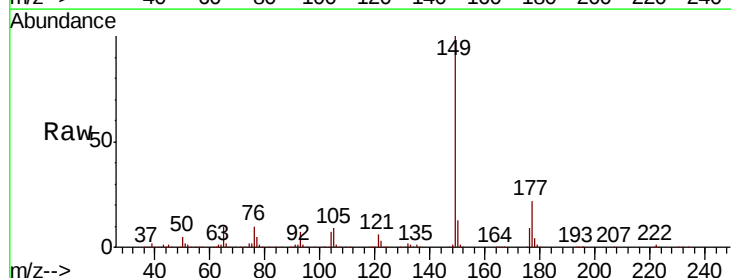
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

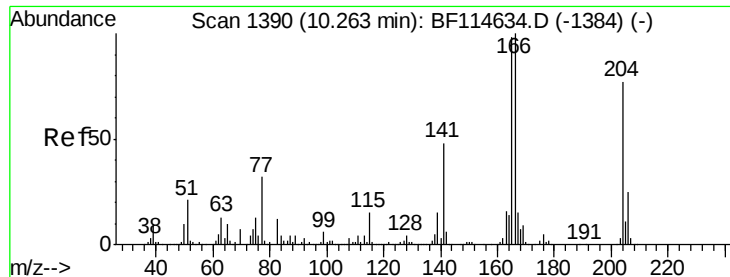
Tot Ion:232	Resp:	287755
Ion Ratio	Lower	Upper
232	100	
131	46.4	37.2 55.8
130	2.3	1.8 2.8
166	31.2	24.8 37.2



#60
Diethylphthalate
Concen: 22.764 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:149	Resp:	1129780
Ion Ratio	Lower	Upper
149	100	
177	22.2	18.6 28.0
150	12.9	10.6 15.8

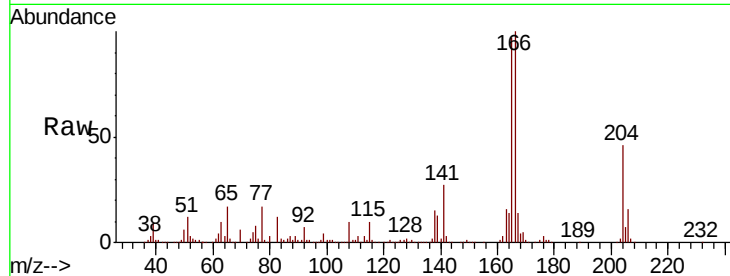




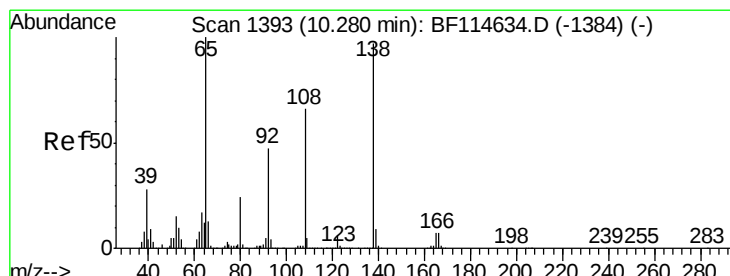
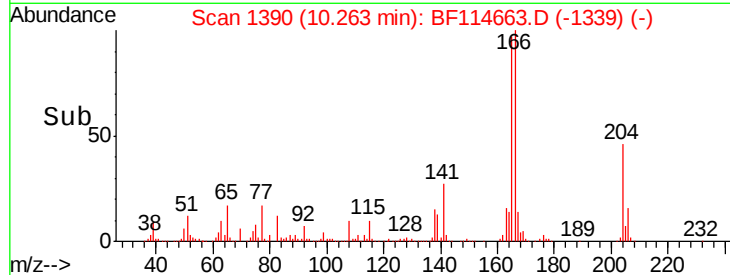
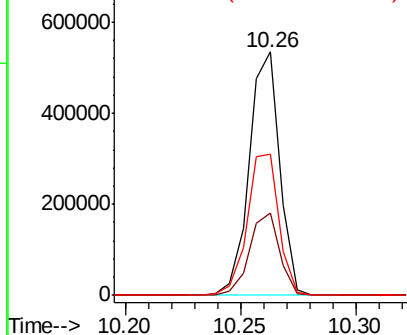
#61
 4-Chlorophenyl-phenylether
 Concen: 25.549 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion:	204	Resp:	494259
Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.4	39.6
141	58.1	50.0	75.0

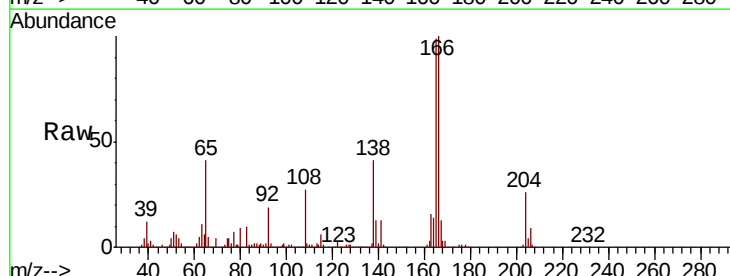


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

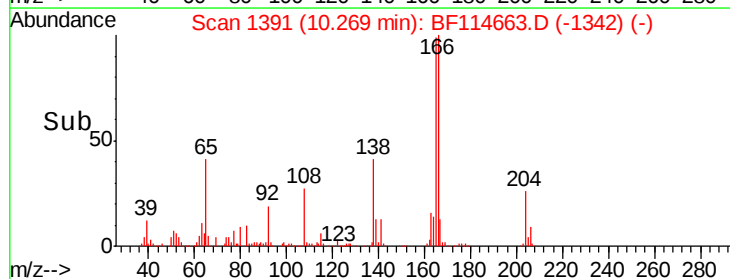
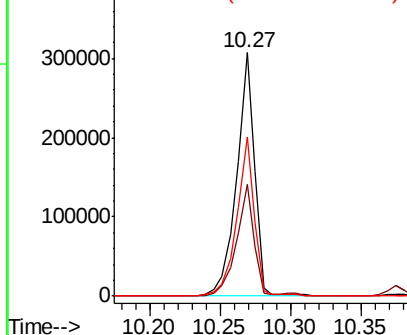


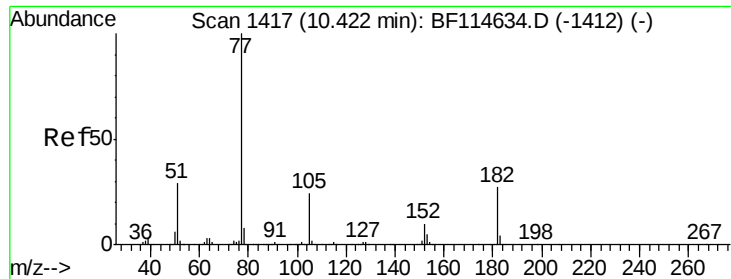
#62
 4-Nitroaniline
 Concen: 20.173 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:	138	Resp:	271652
Ion	Ratio	Lower	Upper
138	100		
92	46.0	28.0	68.0
108	65.3	48.4	88.4



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





#63

Azobenzene

Concen: 23.215 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 77 Resp: 1057789

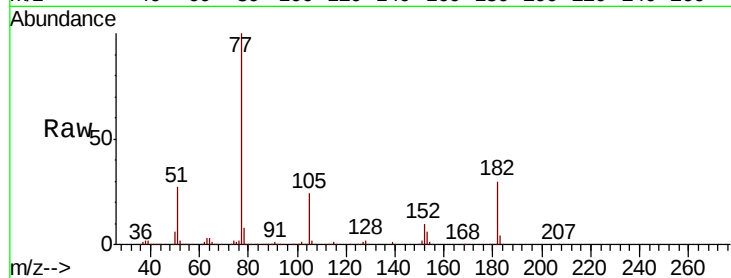
Ion Ratio Lower Upper

77 100

182 29.6 7.0 47.0

105 23.8 3.7 43.7

51 26.7 9.1 49.1

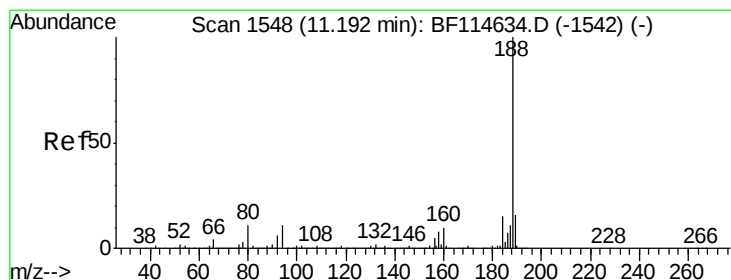
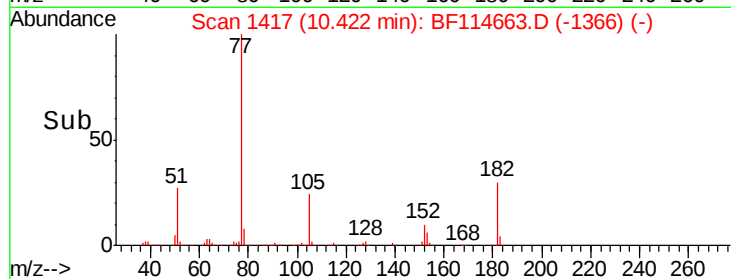
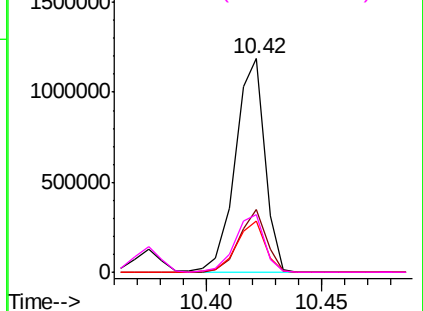


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

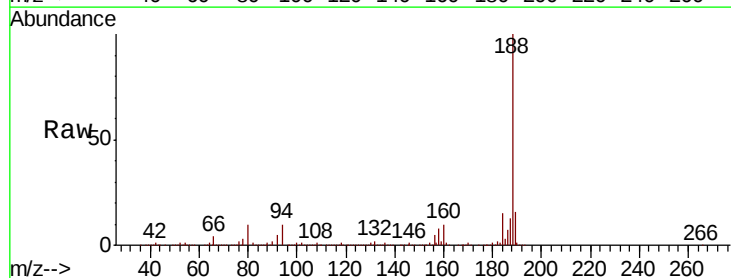
Tgt Ion: 188 Resp: 1333977

Ion Ratio Lower Upper

188 100

94 9.9 8.6 13.0

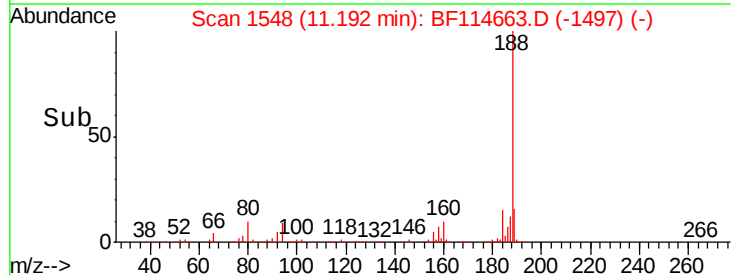
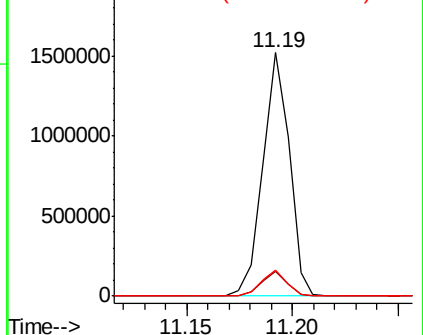
80 10.4 9.0 13.6

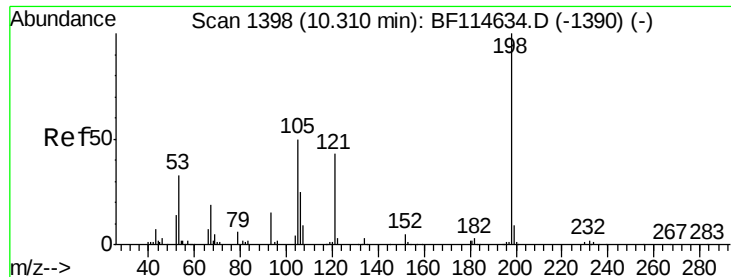


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 20.341 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

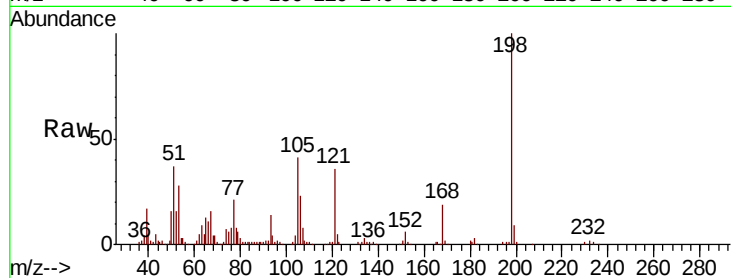
Tot Ion:198 Resp: 120320

Ion Ratio Lower Upper

198 100

51 36.6 29.0 69.0

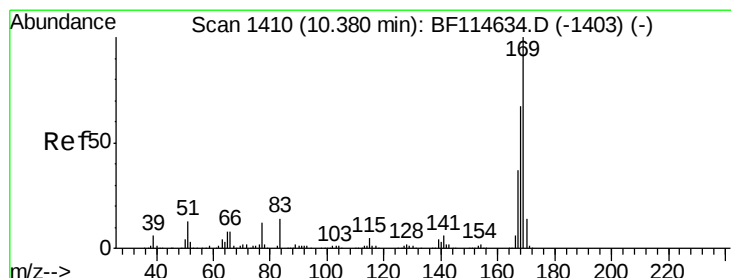
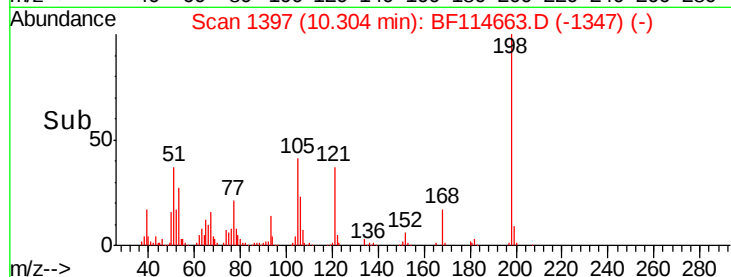
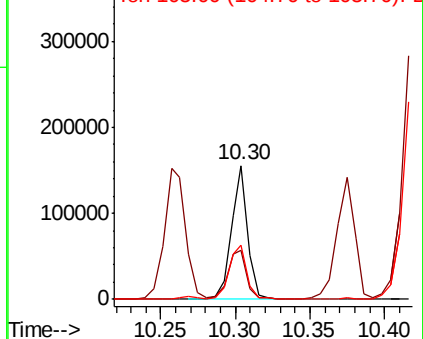
105 41.0 30.4 70.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 24.487 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

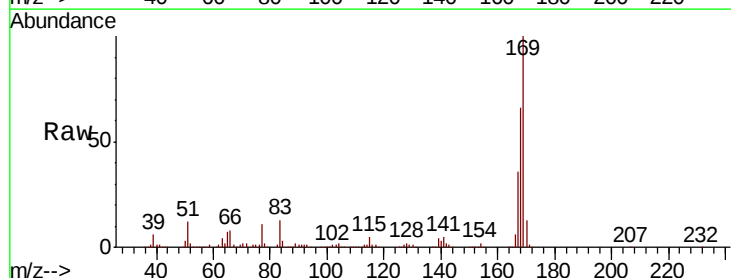
Tgt Ion:169 Resp: 965082

Ion Ratio Lower Upper

169 100

168 66.2 53.8 80.8

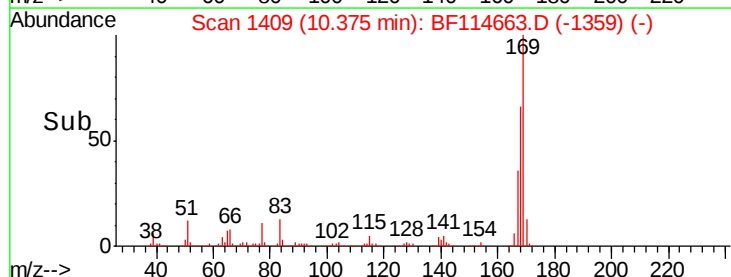
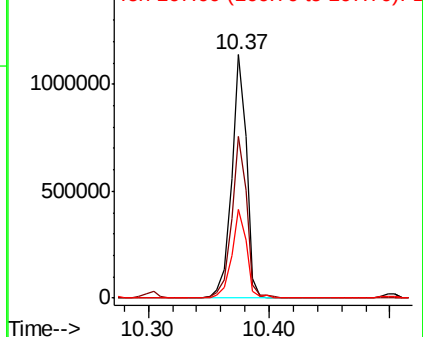
167 36.2 29.8 44.6

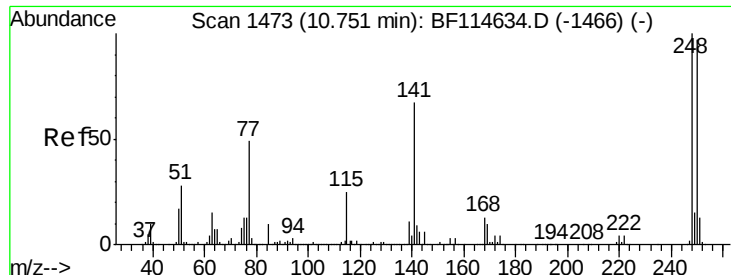


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

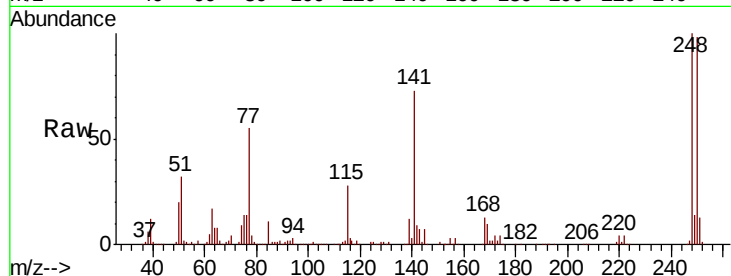




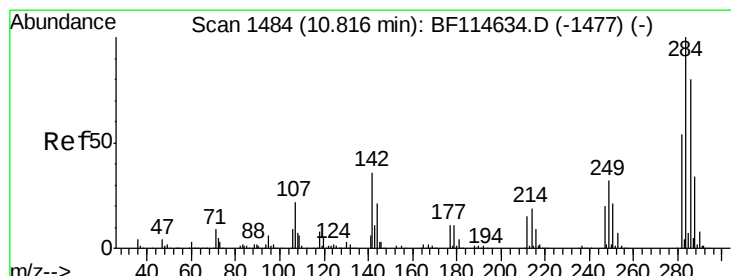
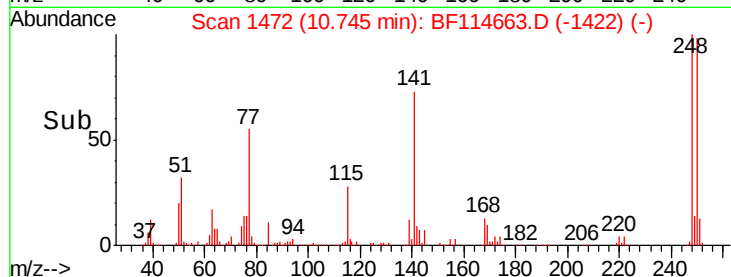
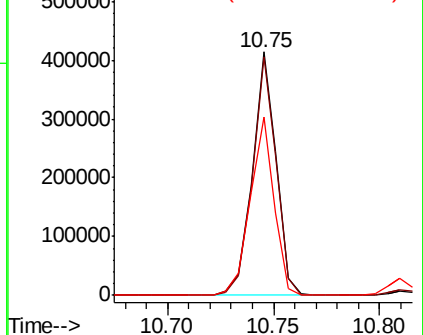
#67
4-Bromophenyl-phenylether
Concen: 22.667 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:248 Resp: 324256
Ion Ratio Lower Upper
248 100
250 97.9 78.0 117.0
141 73.3 53.8 80.8

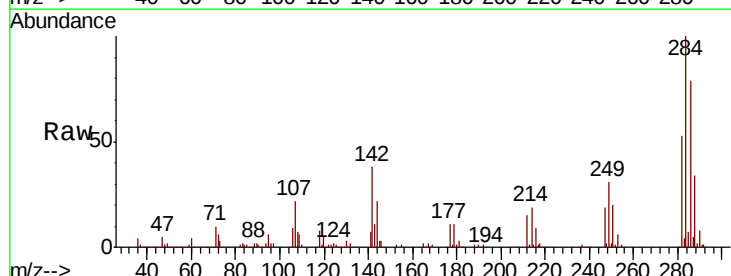


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

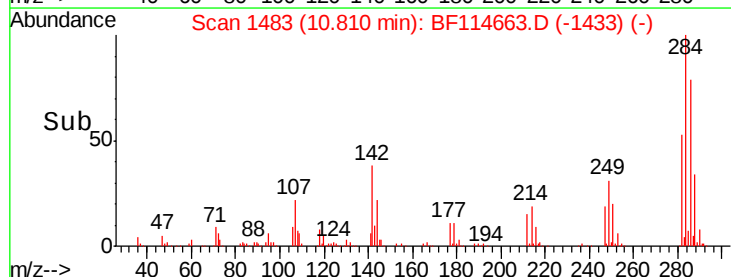
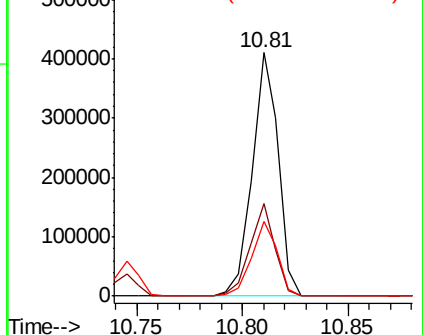


#68
Hexachlorobenzene
Concen: 22.678 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:284 Resp: 351385
Ion Ratio Lower Upper
284 100
142 37.9 28.9 43.3
249 30.8 25.8 38.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 24.109 ng

RT: 10.90 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

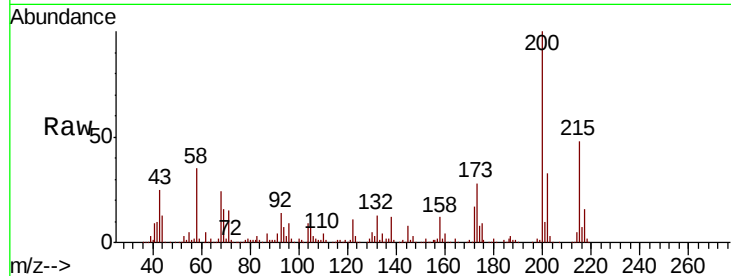
Tot Ion:200 Resp: 299385

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

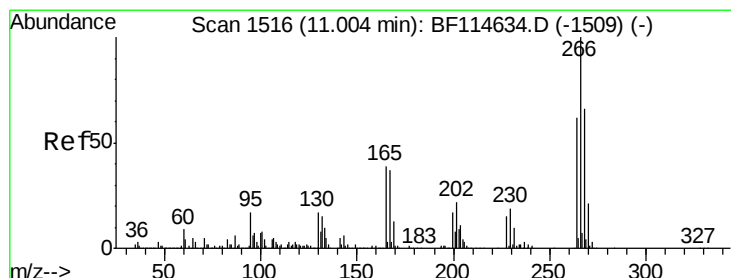
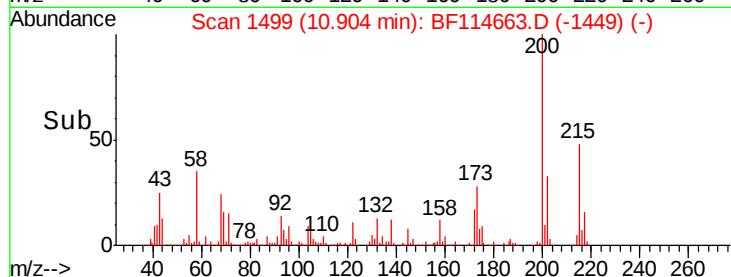
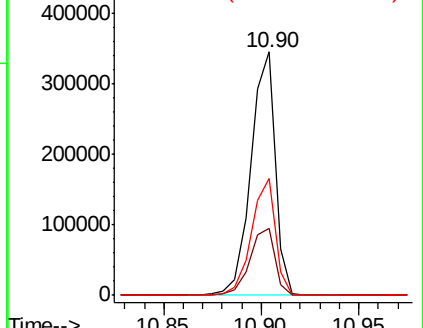
215 48.1 27.8 67.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 22.289 ng

RT: 11.00 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

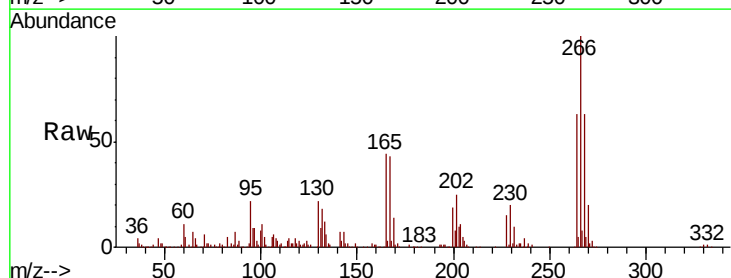
Tgt Ion:266 Resp: 199076

Ion Ratio Lower Upper

266 100

268 63.0 52.8 79.2

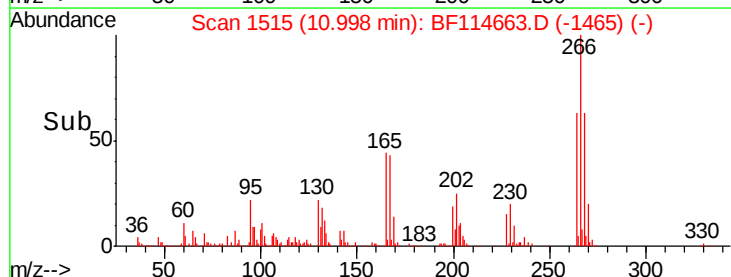
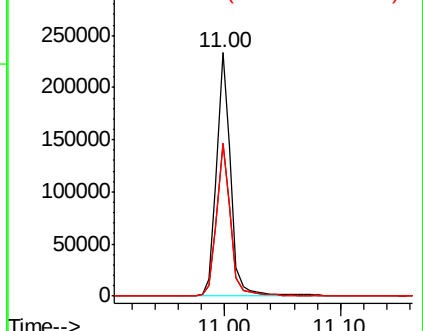
264 62.9 49.9 74.9

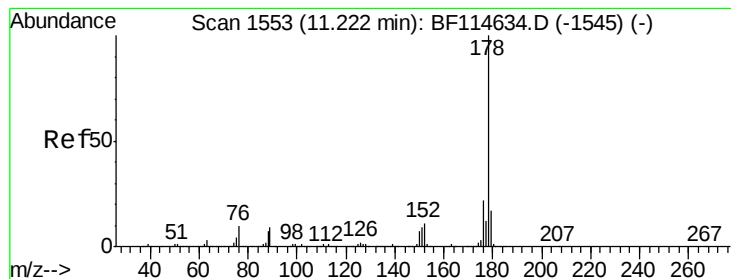


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 23.100 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

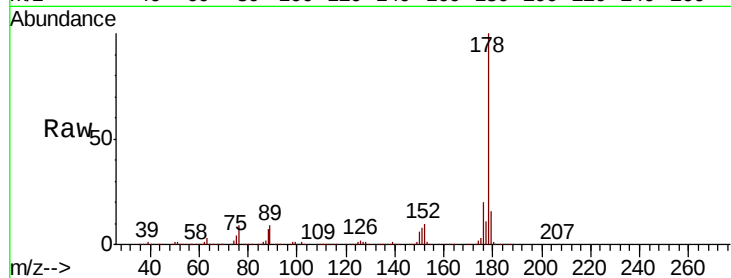
Tot Ion:178 Resp: 1571910

Ion Ratio Lower Upper

178 100

176 20.3 17.2 25.8

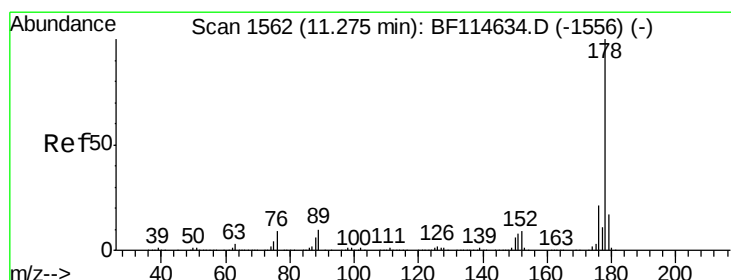
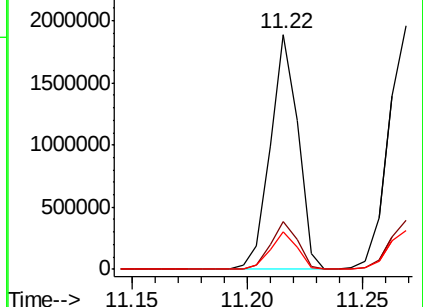
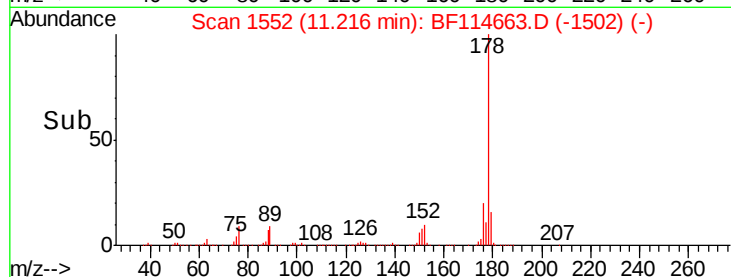
179 16.2 13.9 20.9



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: 23.733 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

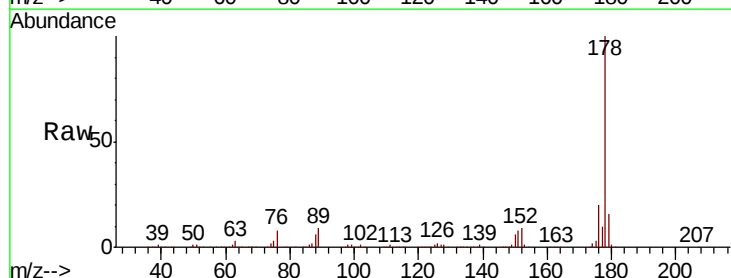
Tgt Ion:178 Resp: 1634536

Ion Ratio Lower Upper

178 100

176 19.9 16.6 24.8

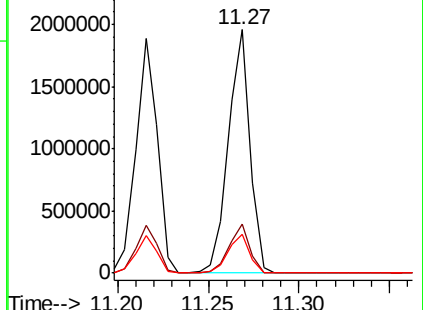
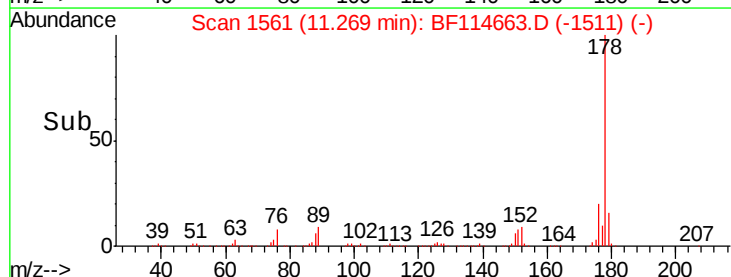
179 16.2 13.4 20.0

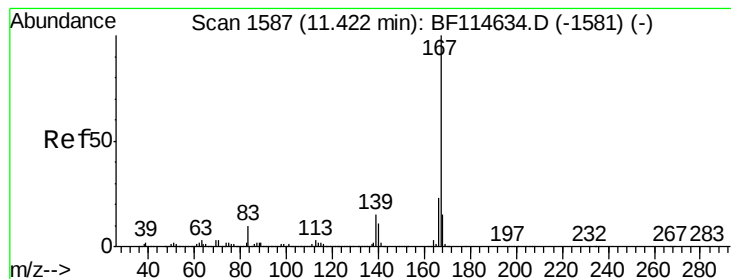


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 23.602 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

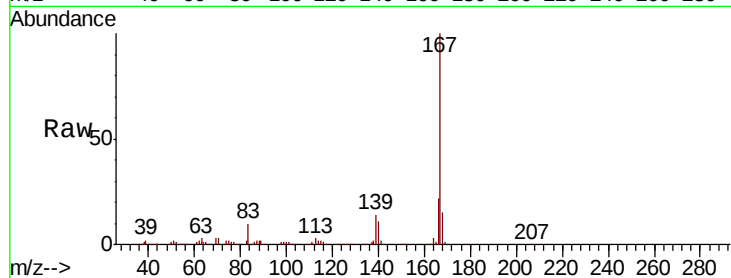
Tot Ion:167 Resp: 1428585

Ion Ratio Lower Upper

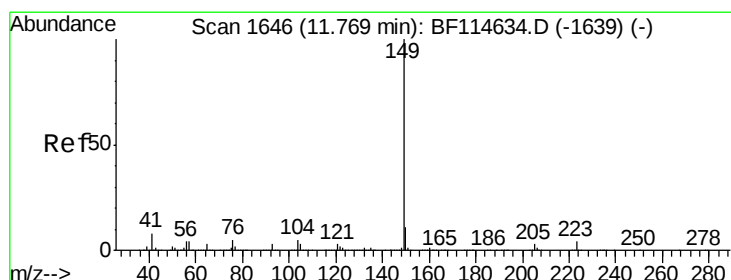
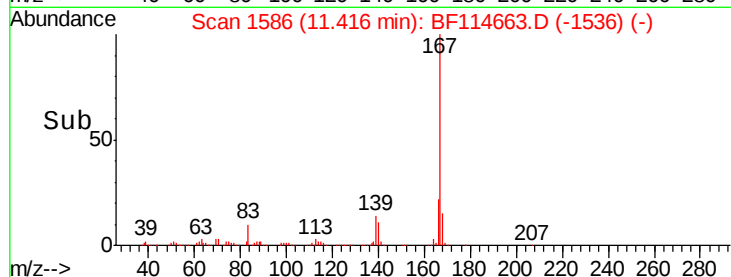
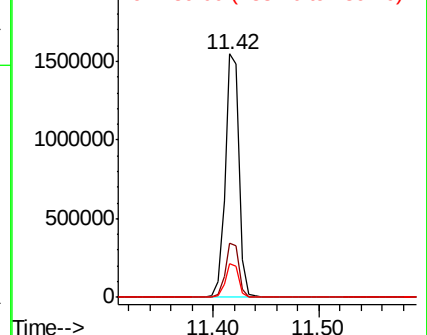
167 100

166 22.5 18.7 28.1

139 13.9 11.8 17.8



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



#74

Di-n-butylphthalate

Concen: 23.767 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

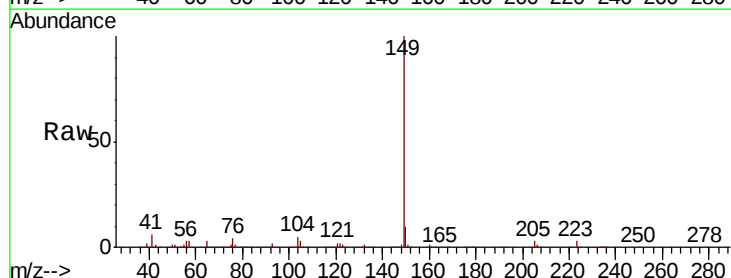
Tgt Ion:149 Resp: 1747850

Ion Ratio Lower Upper

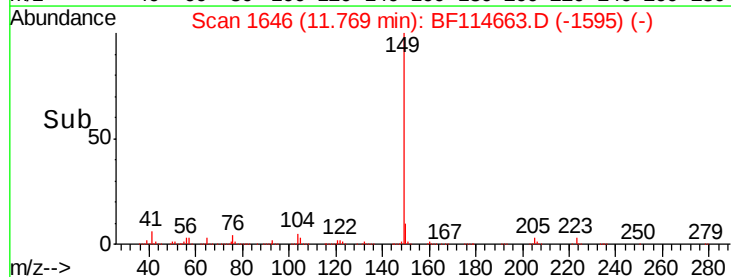
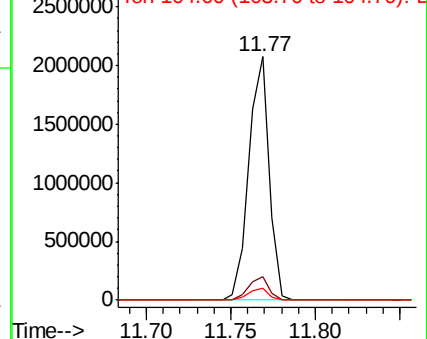
149 100

150 9.6 8.6 12.8

104 4.7 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 23.026 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

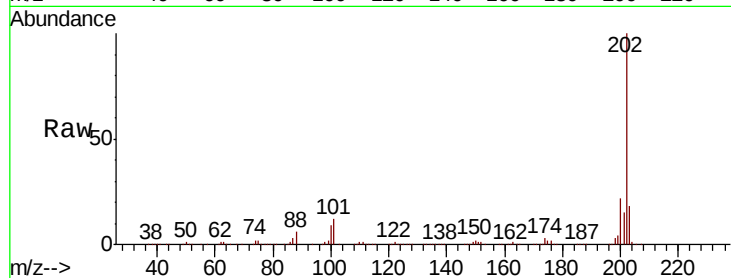
Tot Ion:202 Resp: 1622478

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.9

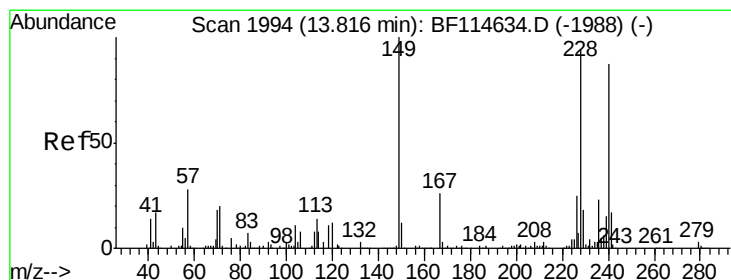
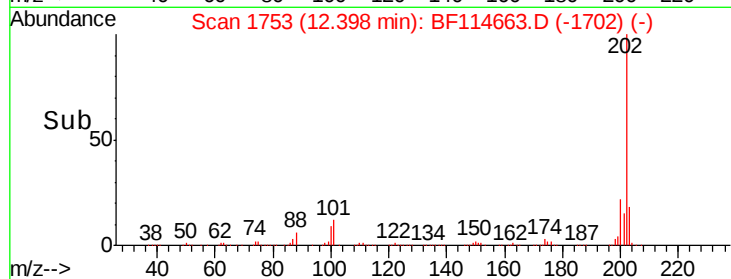
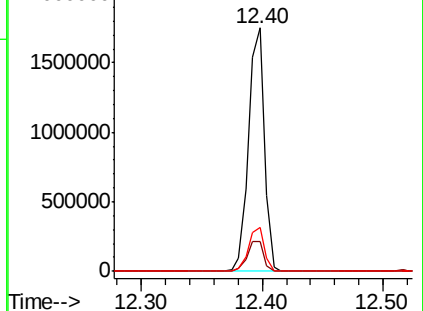
203 18.3 0.0 39.1



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: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

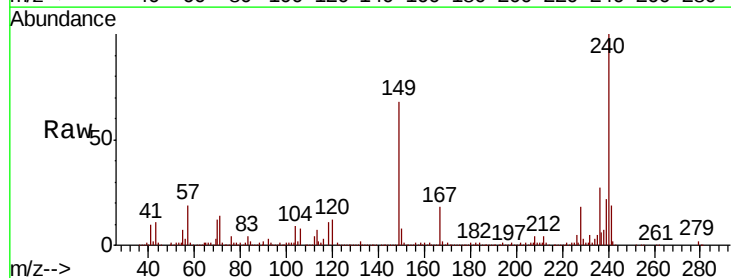
Tgt Ion:240 Resp: 968482

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

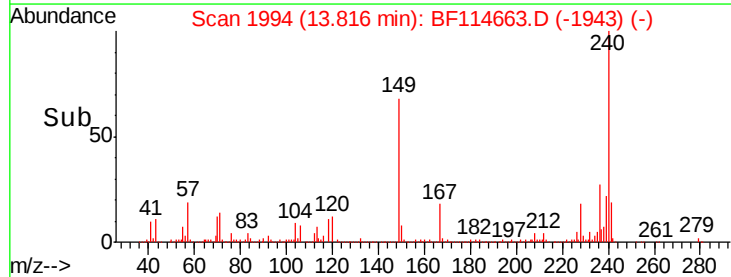
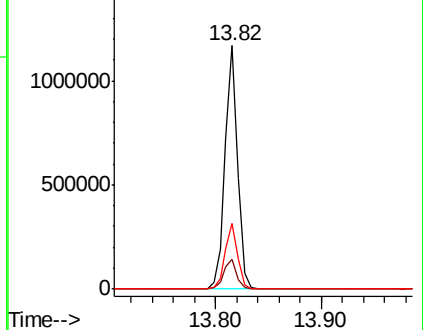
236 27.0 21.2 31.8

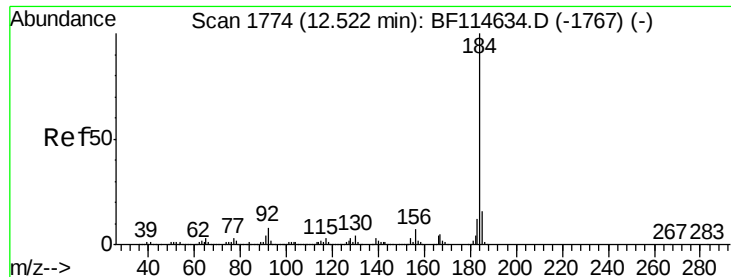


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 23.917 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

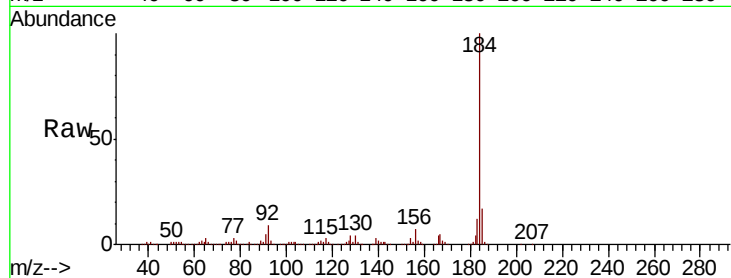
Tot Ion:184 Resp: 953825

Ion Ratio Lower Upper

184 100

185 17.0 12.6 18.8

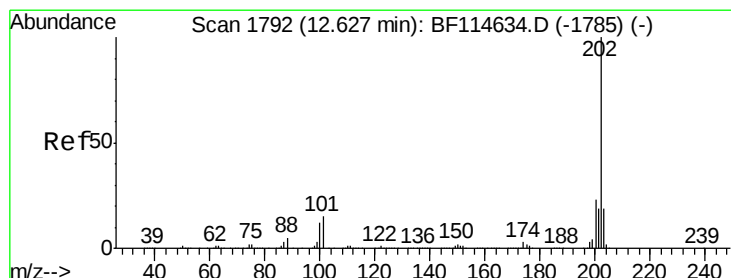
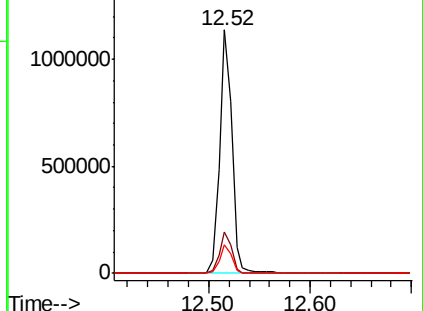
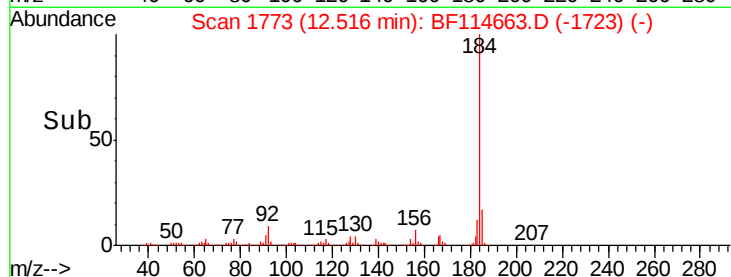
183 11.9 9.4 14.2



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: 20.138 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

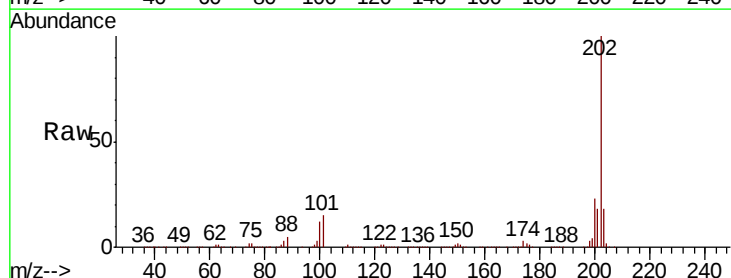
Tgt Ion:202 Resp: 1649865

Ion Ratio Lower Upper

202 100

200 22.5 18.6 28.0

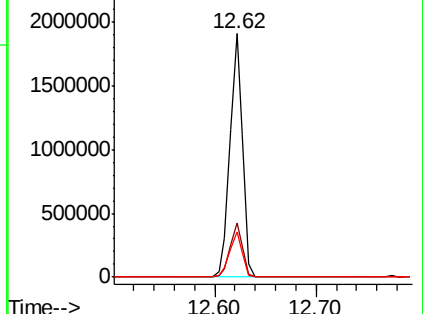
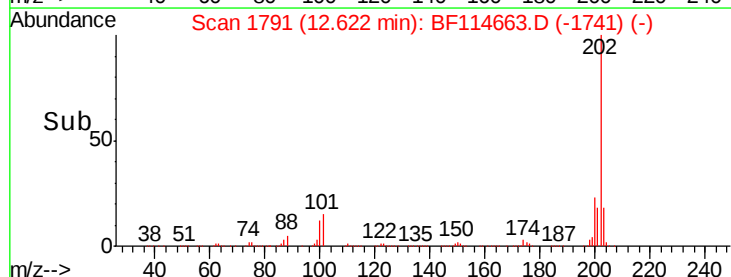
203 18.4 15.4 23.2

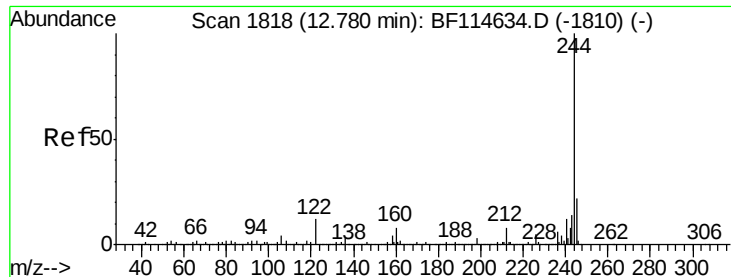


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 54.055 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

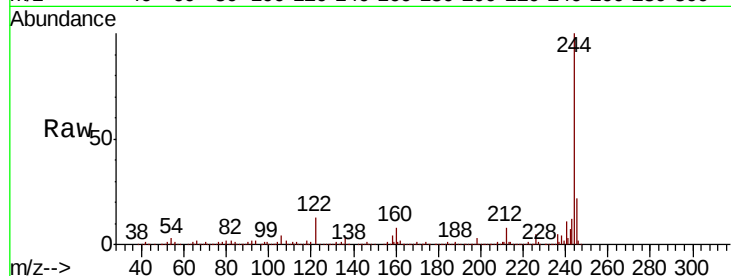
Tot Ion:244 Resp: 2784442

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

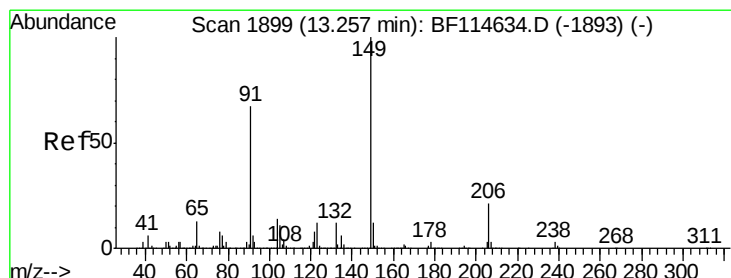
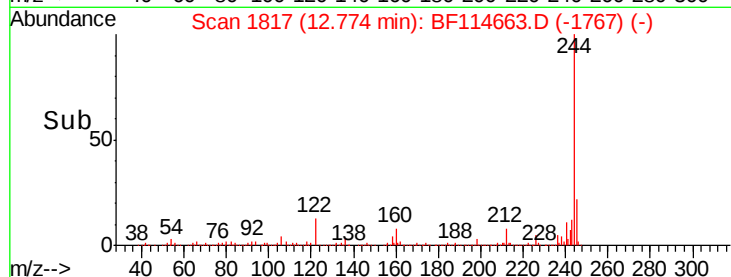
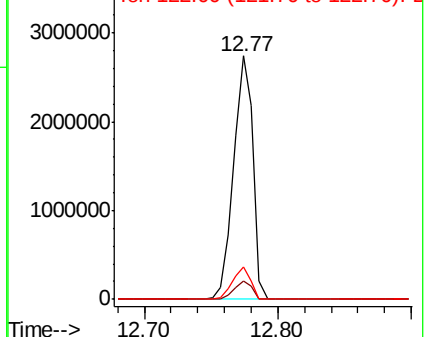
122 13.1 9.8 14.8



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: 18.089 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

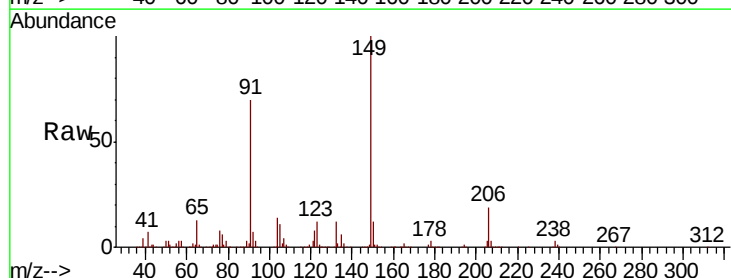
Tgt Ion:149 Resp: 744768

Ion Ratio Lower Upper

149 100

91 70.0 53.8 80.8

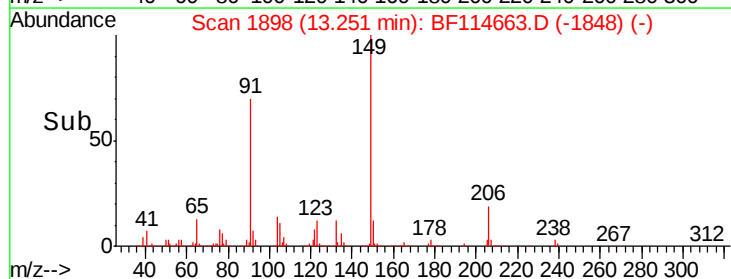
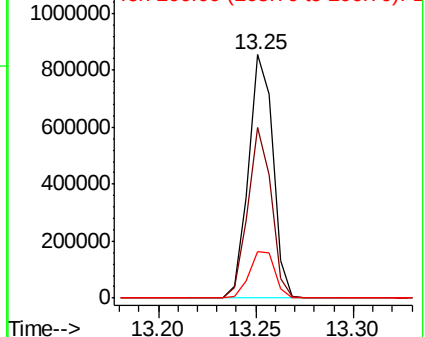
206 19.0 16.9 25.3



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: 19.809 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

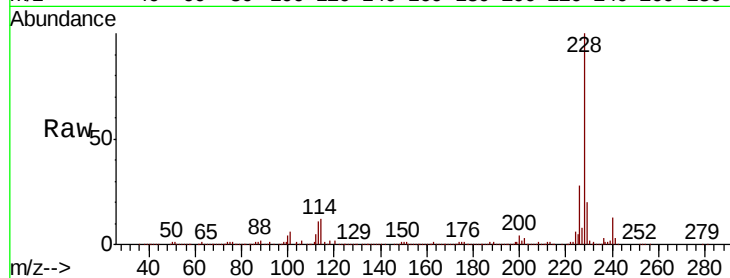
Tot Ion:228 Resp: 1474254

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.0	34.6
229	20.4	17.0	25.4

228 100

226 28.0 23.0 34.6

229 20.4 17.0 25.4

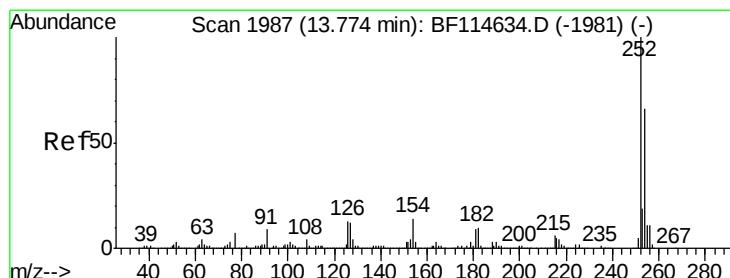
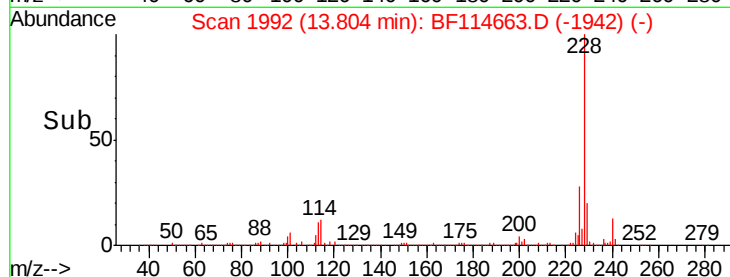
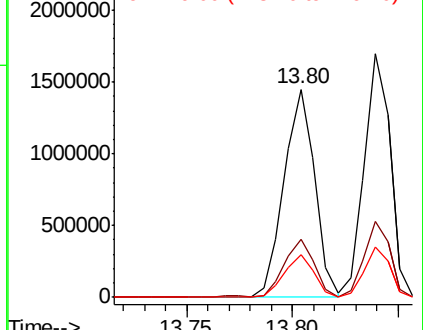


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 20.634 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

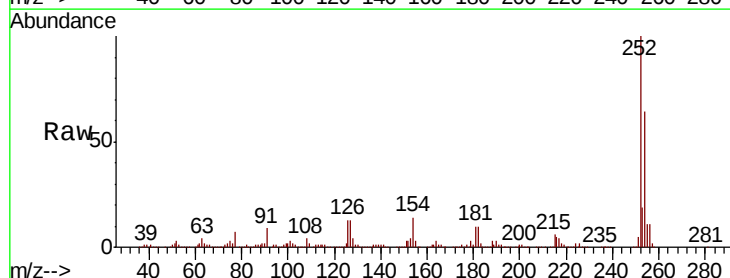
Tgt Ion:252 Resp: 593067

Ion	Ratio	Lower	Upper
252	100		
254	63.9	53.1	79.7
126	13.0	10.2	15.2

252 100

254 63.9 53.1 79.7

126 13.0 10.2 15.2

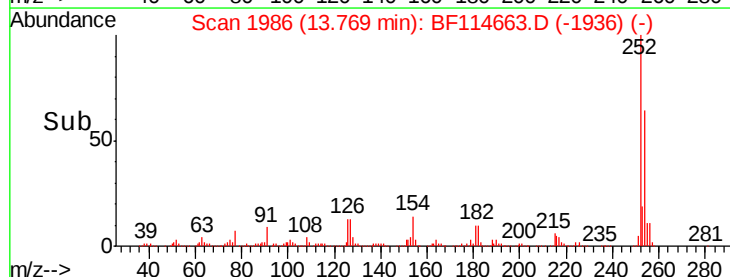
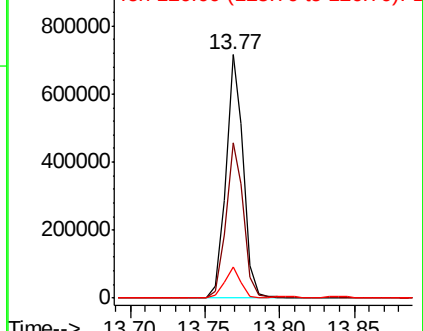


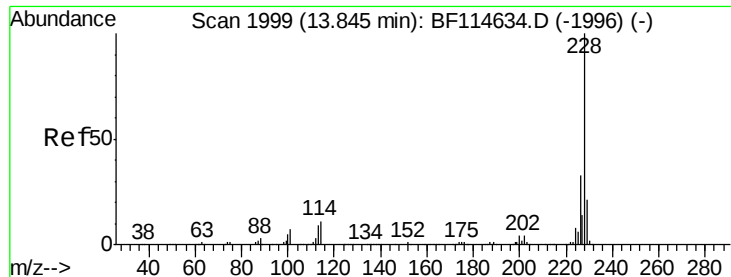
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 20.656 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

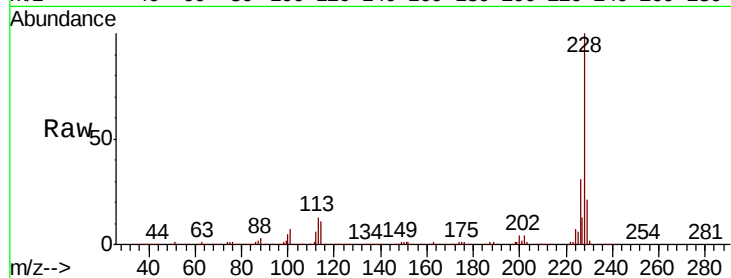
Tot Ion:228 Resp: 1468789

Ion Ratio Lower Upper

228 100

226 31.0 26.4 39.6

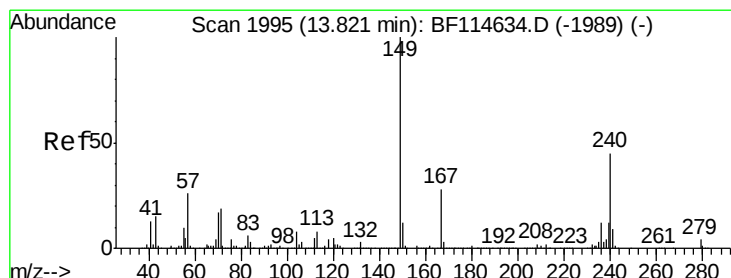
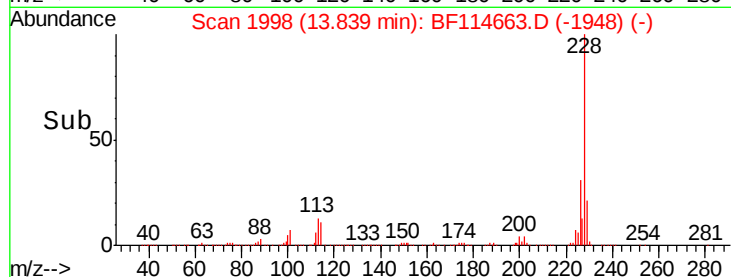
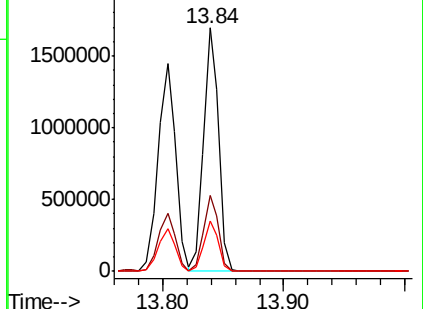
229 20.7 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.933 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

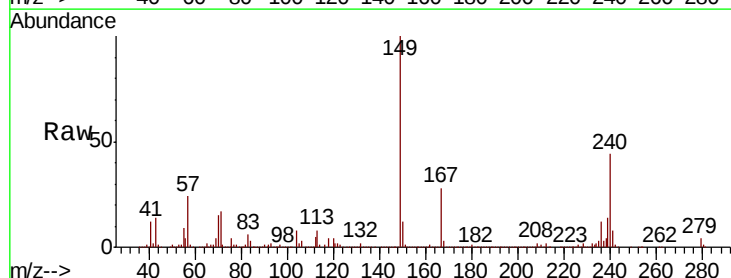
Tgt Ion:149 Resp: 1014645

Ion Ratio Lower Upper

149 100

167 27.8 22.6 33.8

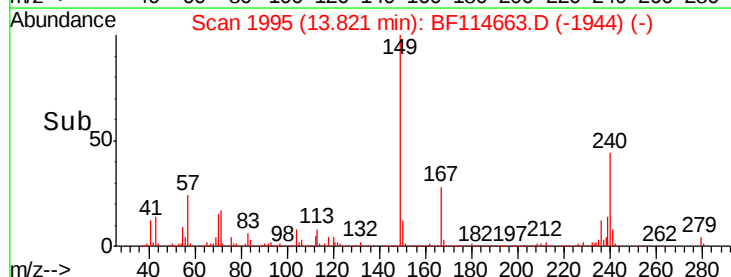
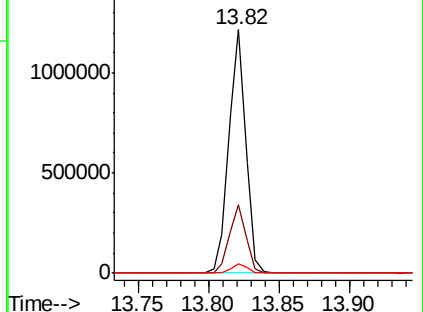
279 3.9 3.0 4.4

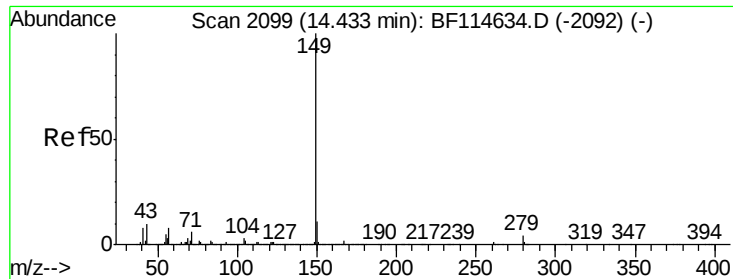


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

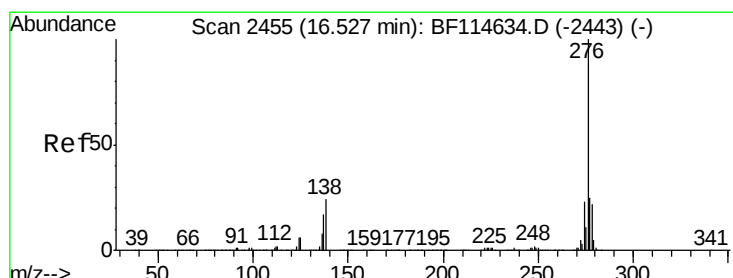
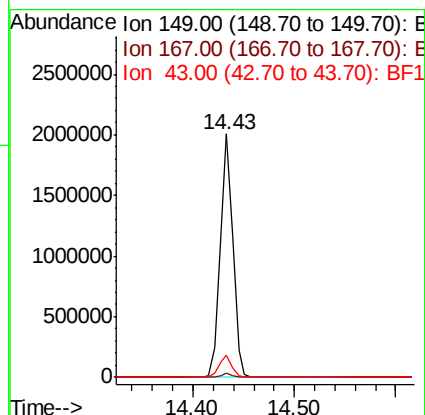
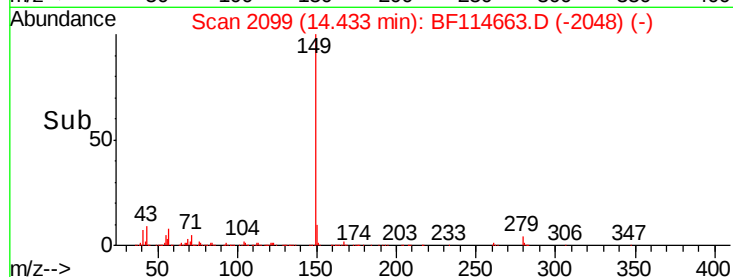
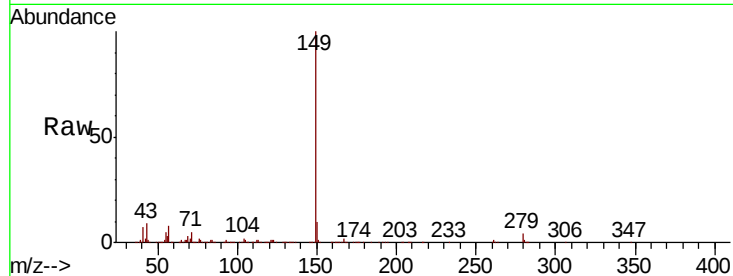




#85
Di-n-octyl phthalate
Concen: 19.650 ng
RT: 14.43 min Scan# 2099
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

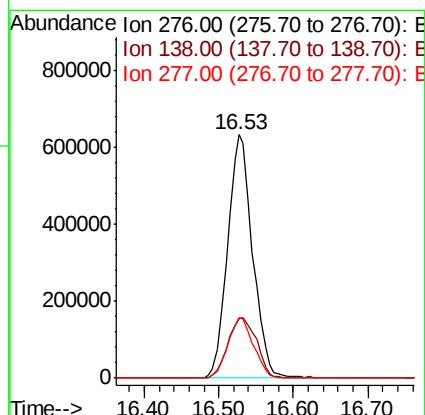
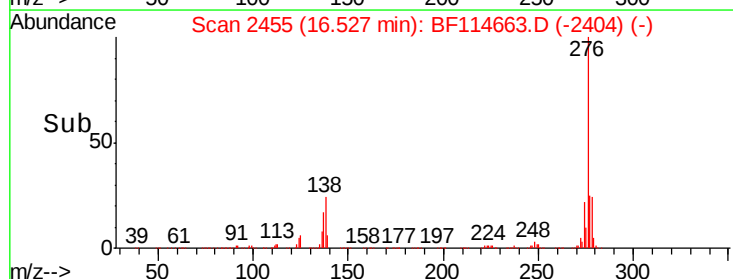
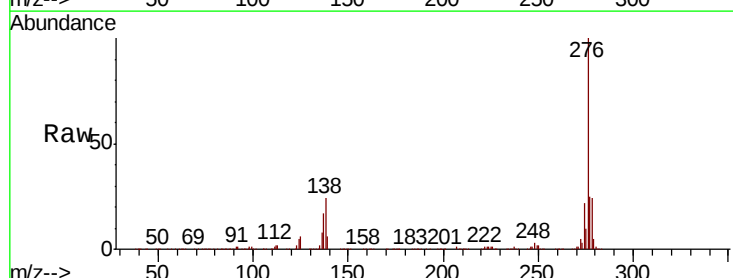
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

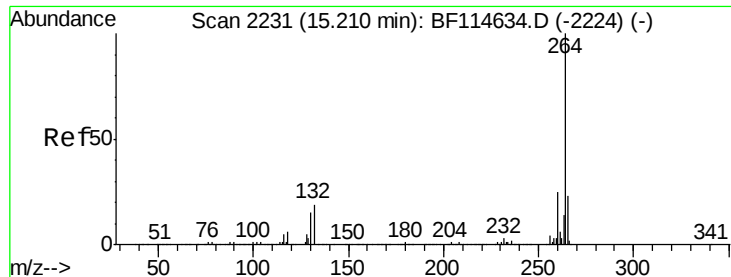
Tot Ion:149 Resp: 1737854
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.9 8.0 12.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.678 ng
RT: 16.53 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:276 Resp: 1472649
Ion Ratio Lower Upper
276 100
138 28.8 23.0 34.6
277 25.6 20.5 30.7

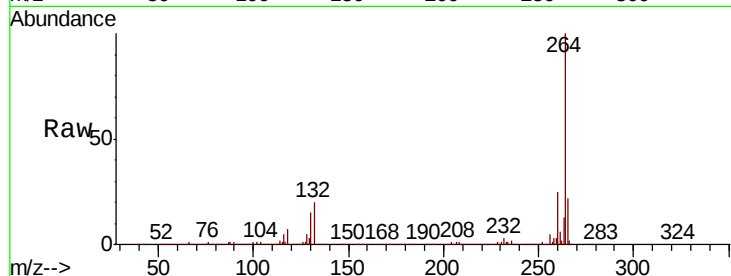




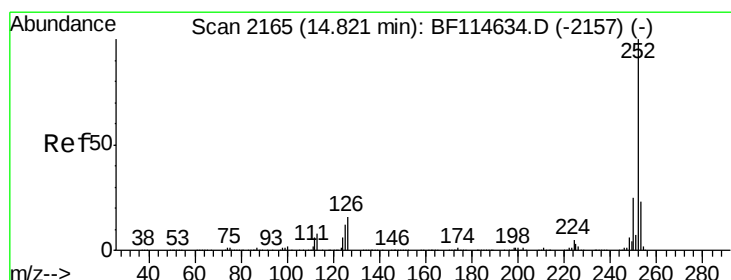
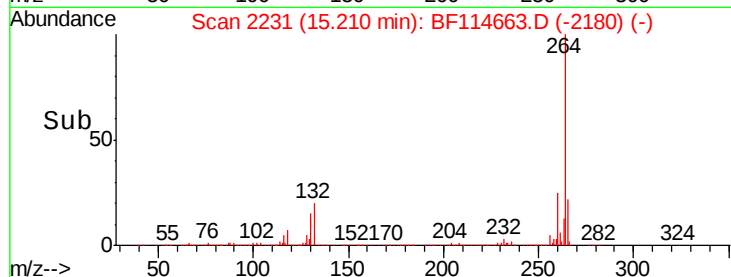
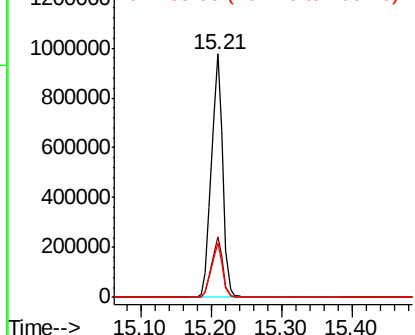
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:264 Resp: 1096364
Ion Ratio Lower Upper
264 100
260 24.8 19.7 29.5
265 22.5 18.1 27.1

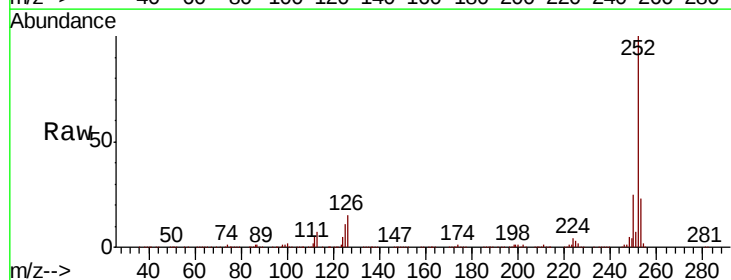


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

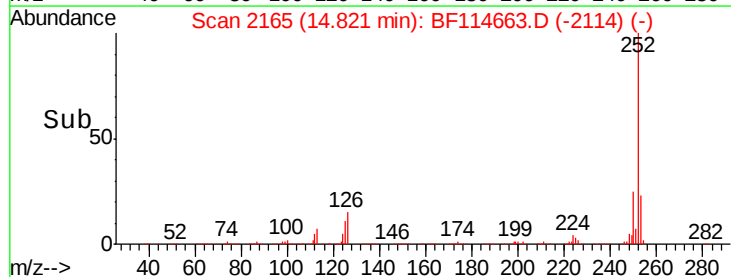
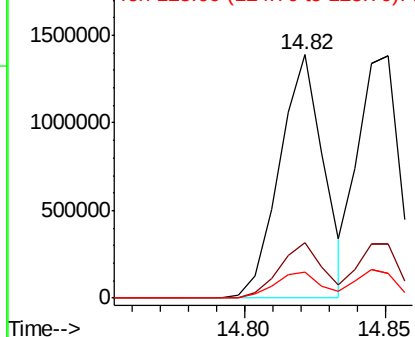


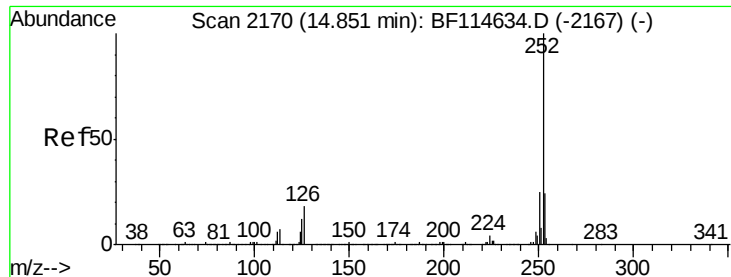
#88
Benzo(b)fluoranthene
Concen: 21.835 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:252 Resp: 1507755
Ion Ratio Lower Upper
252 100
253 22.6 18.7 28.1
125 10.9 9.4 14.2



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

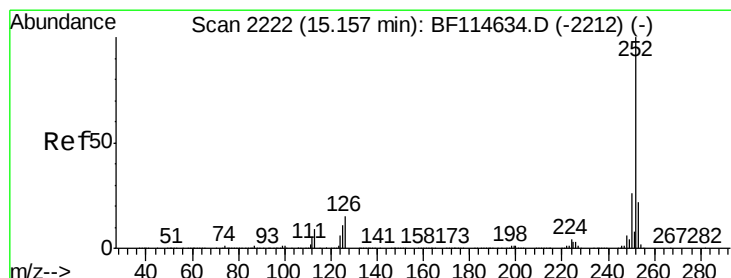
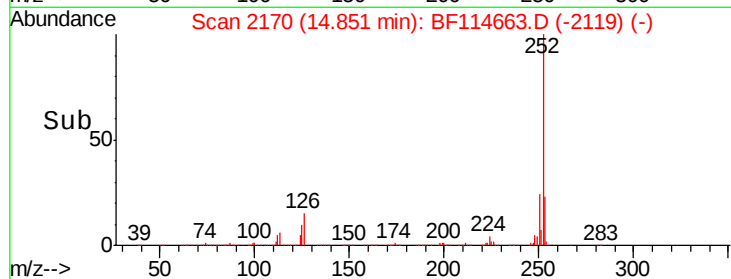
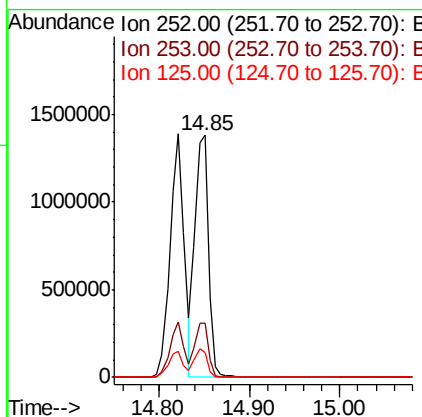
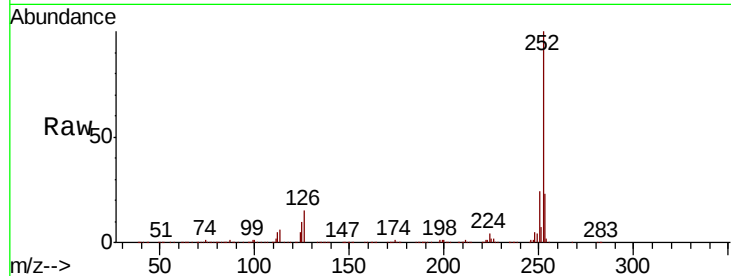




#89
Benzo(k)fluoranthene
Concen: 23.676 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

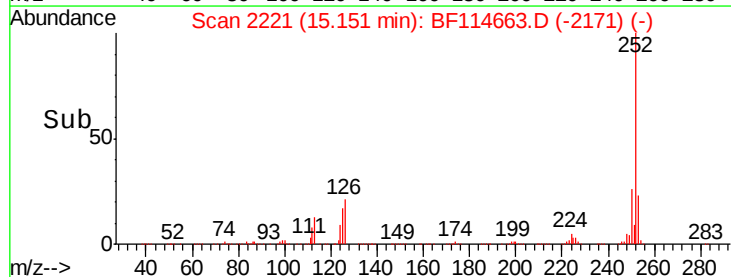
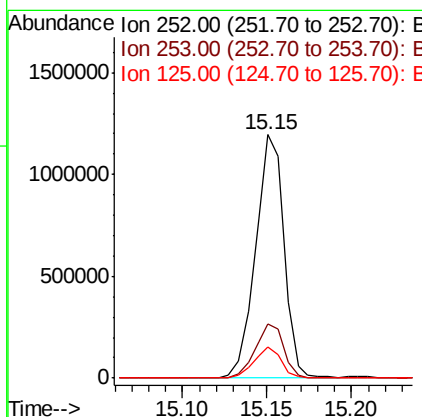
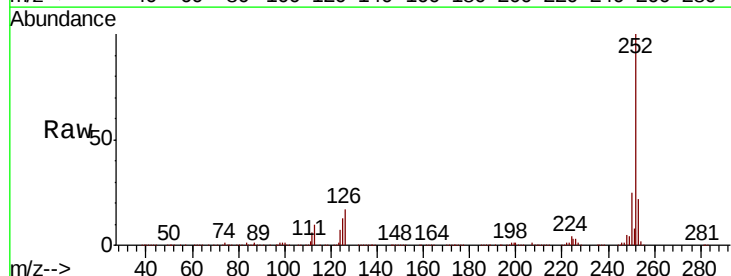
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

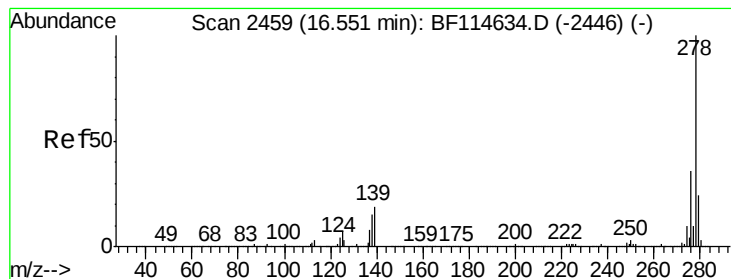
Tot Ion:252 Resp: 1421032
Ion Ratio Lower Upper
252 100
253 22.7 18.9 28.3
125 10.1 9.5 14.3



#90
Benzo(a)pyrene
Concen: 23.075 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:252 Resp: 1399820
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.9 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 23.215 ng

RT: 16.55 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

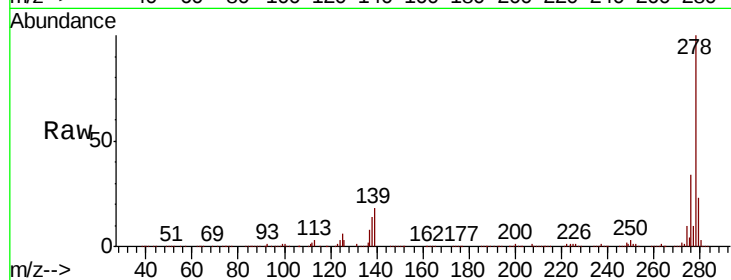
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:278 Resp: 1244417

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.9	22.3
279	23.2	19.5	29.3

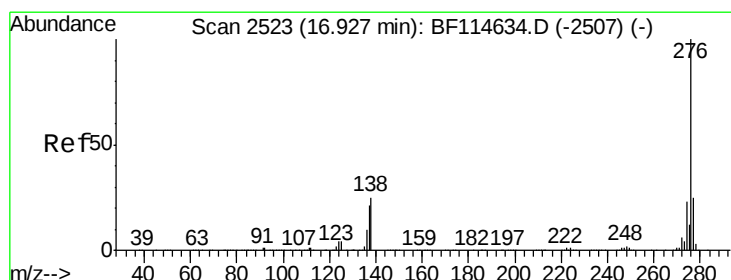
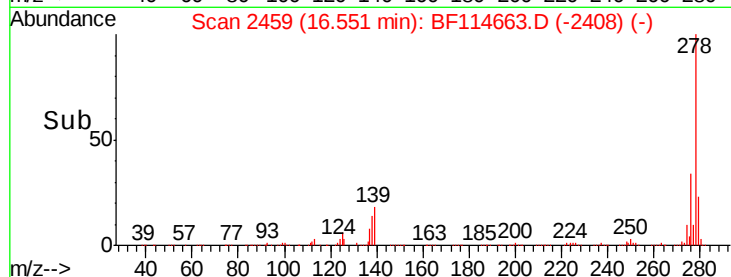
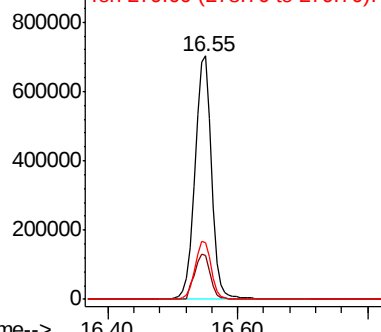


Abundance

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: 22.761 ng

RT: 16.92 min Scan# 2522

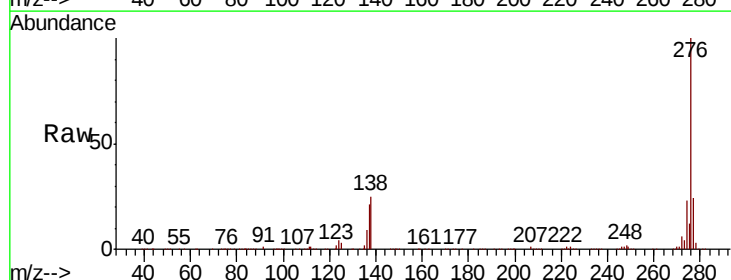
Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Tgt Ion:276 Resp: 1184204

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.7	29.5
138	25.1	19.8	29.8



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

