

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114978.D
 Acq On : 12 Jun 2019 16:51
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 13 11:01:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 10:54:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	288532	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1124837	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	554420	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1087696	20.00	ng	0.00
76) Chrysene-d12	13.77	240	784425	20.00	ng	-0.01
87) Perylene-d12	15.16	264	750344	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1720554	99.57	ng	0.00
7) Phenol-d6	6.29	99	2156992	103.48	ng	0.00
23) Nitrobenzene-d5	7.21	82	1325681	70.94	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	631295	106.33	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2361002	72.17	ng	0.00
79) Terphenyl-d14	12.73	244	2610761	62.60	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	56333	6.965	ng	99
3) Pyridine	3.02	79	137185	6.024	ng	96
4) n-Nitrosodimethylamine	2.88	42	51740	6.400	ng	# 97
6) Aniline	6.31	93	206662	7.403	ng	# 85
8) 2-Chlorophenol	6.43	128	147746	7.541	ng	99
9) Benzaldehyde	6.19	77	119938	10.009	ng	98
10) Phenol	6.30	94	183331	7.861	ng	86
11) bis(2-Chloroethyl)ether	6.39	93	132242	7.306	ng	99
12) 1,3-Dichlorobenzene	6.59	146	167859	7.335	ng	97
13) 1,4-Dichlorobenzene	6.66	146	171805	7.467	ng	97
14) 1,2-Dichlorobenzene	6.82	146	160910	7.428	ng	99
15) Benzyl Alcohol	6.79	79	133688	8.560	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.93	45	179705	7.418	ng	98
17) 2-Methylphenol	6.91	107	122539	7.498	ng	96
18) Hexachloroethane	7.16	117	58052	6.987	ng	94
19) n-Nitroso-di-n-propylamine	7.06	70	98449	7.774	ng	97
20) 3+4-Methylphenols	7.06	107	157123	8.078	ng	96
22) Acetophenone	7.06	105	211454	8.304	ng	# 96
24) Nitrobenzene	7.23	77	154616	8.132	ng	95
25) Isophorone	7.47	82	272843	7.795	ng	99
26) 2-Nitrophenol	7.55	139	79078	7.462	ng	95
27) 2,4-Dimethylphenol	7.59	122	112073	7.331	ng	98
28) bis(2-Chloroethoxy)methane	7.68	93	172417	7.678	ng	99
29) 2,4-Dichlorophenol	7.79	162	126532	7.834	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	143733	7.702	ng	99
31) Naphthalene	7.95	128	462337	8.687	ng	97
32) Benzoic acid	7.67	122	53234	4.812	ng	95
33) 4-Chloroaniline	8.00	127	189116	7.698	ng	97
34) Hexachlorobutadiene	8.07	225	78063	7.526	ng	99
35) Caprolactam	8.33	113	39914	7.420	ng	99
36) 4-Chloro-3-methylphenol	8.48	107	128692	7.907	ng	95
37) 2-Methylnaphthalene	8.64	142	310649	8.751	ng	97
38) 1-Methylnaphthalene	8.74	142	294721	8.785	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.80	216	134425	8.207	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114978.D
 Acq On : 12 Jun 2019 16:51
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 13 11:01:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 10:54:03 2019
 Response via : Initial Calibration

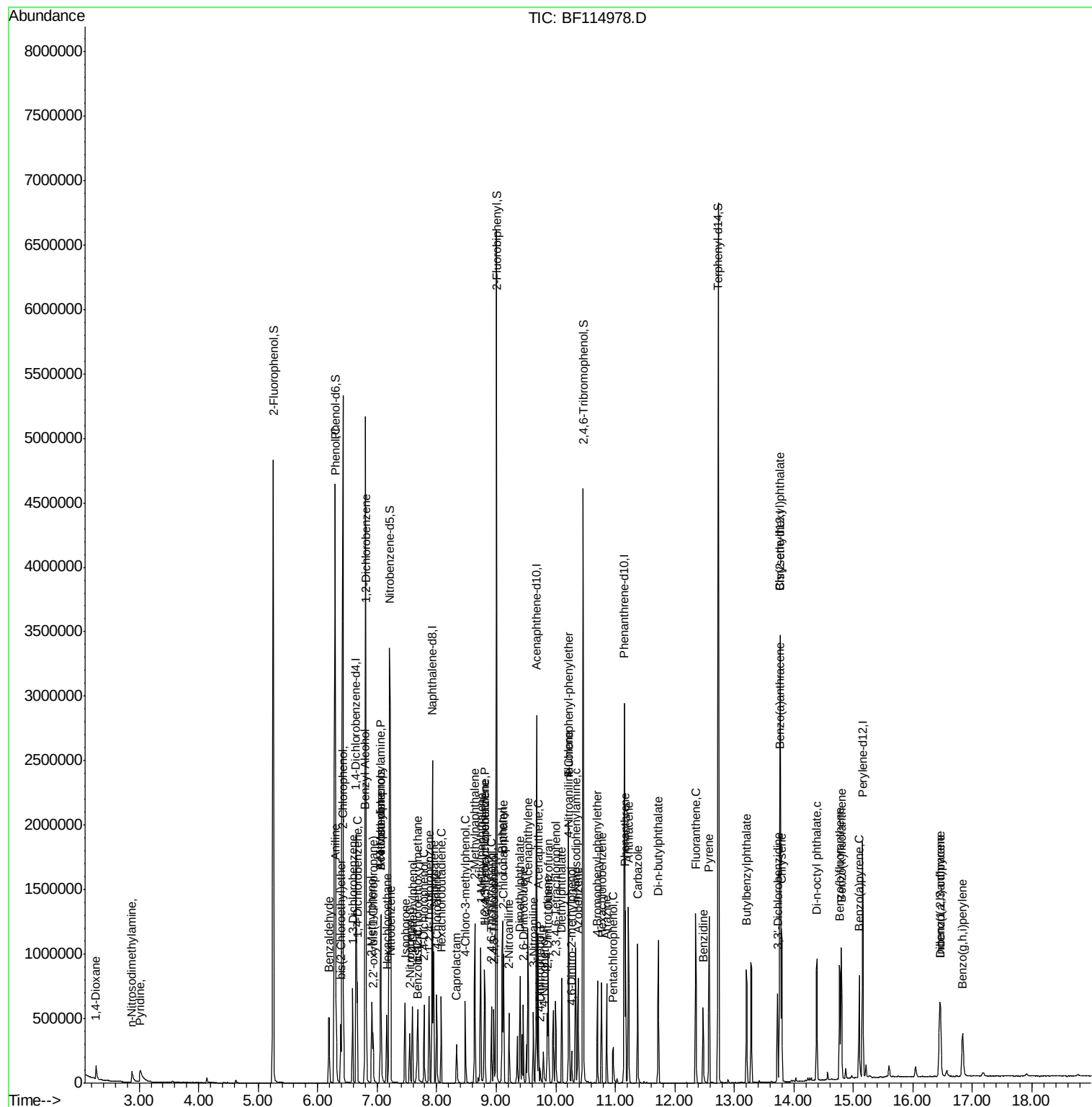
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	39820	4.934	ng	98
43) 2,4,6-Trichlorophenol	8.92	196	87842	7.180	ng	98
44) 2,4,5-Trichlorophenol	8.96	196	93200	7.538	ng	97
46) 1,1'-Biphenyl	9.10	154	376849	8.482	ng	96
47) 2-Chloronaphthalene	9.12	162	288845	8.040	ng	98
48) 2-Nitroaniline	9.22	65	74454	7.011	ng	98
49) Acenaphthylene	9.53	152	471243	8.531	ng	97
50) Dimethylphthalate	9.40	163	328915	7.889	ng	99
51) 2,6-Dinitrotoluene	9.46	165	72844	7.702	ng #	83
52) Acenaphthene	9.71	154	271037	8.576	ng	98
53) 3-Nitroaniline	9.62	138	81551	7.038	ng	97
54) 2,4-Dinitrophenol	9.73	184	21642	4.718	ng	96
55) Dibenzofuran	9.87	168	408736	8.582	ng	97
56) 4-Nitrophenol	9.79	139	51733	6.474	ng	91
57) 2,4-Dinitrotoluene	9.86	165	95295	7.916	ng	96
58) Fluorene	10.22	166	313399	8.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	75646	7.575	ng	99
60) Diethylphthalate	10.10	149	321531	8.065	ng	98
61) 4-Chlorophenyl-phenylether	10.22	204	149434	8.690	ng	94
62) 4-Nitroaniline	10.23	138	80858	6.940	ng	96
63) Azobenzene	10.37	77	288185	8.263	ng	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	37480	6.148	ng	90
66) n-Nitrosodiphenylamine	10.33	169	272313	8.375	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	92460	7.917	ng	92
68) Hexachlorobenzene	10.77	284	100060	7.782	ng #	91
69) Atrazine	10.86	200	84528	8.064	ng	98
70) Pentachlorophenol	10.96	266	43306	6.202	ng	98
71) Phenanthrene	11.17	178	480584	8.558	ng	98
72) Anthracene	11.22	178	488050	8.614	ng	97
73) Carbazole	11.37	167	435467	8.806	ng	95
74) Di-n-butylphthalate	11.72	149	508742	8.161	ng	98
75) Fluoranthene	12.35	202	490433	8.540	ng	98
77) Benzidine	12.47	184	217863	6.867	ng	98
78) Pyrene	12.57	202	505448	7.073	ng	97
80) Butylbenzylphthalate	13.20	149	212231	6.359	ng	93
81) Benzo(a)anthracene	13.76	228	434125	7.396	ng	98
82) 3,3'-Dichlorobenzidine	13.73	252	154960	6.886	ng	98
83) Chrysene	13.79	228	420868	7.210	ng	96
84) Bis(2-ethylhexyl)phthalate	13.77	149	274682	6.963	ng	99
85) Di-n-octyl phthalate	14.39	149	485257	7.143	ng	99
86) Indeno(1,2,3-cd)pyrene	16.45	276	327369	6.385	ng	99
88) Benzo(b)fluoranthene	14.77	252	395126	7.922	ng	99
89) Benzo(k)fluoranthene	14.80	252	355438	8.118	ng	98
90) Benzo(a)pyrene	15.10	252	342740	7.963	ng	98
91) Dibenzo(a,h)anthracene	16.46	278	273760	7.386	ng	100
92) Benzo(g,h,i)perylene	16.83	276	265327	7.019	ng	100

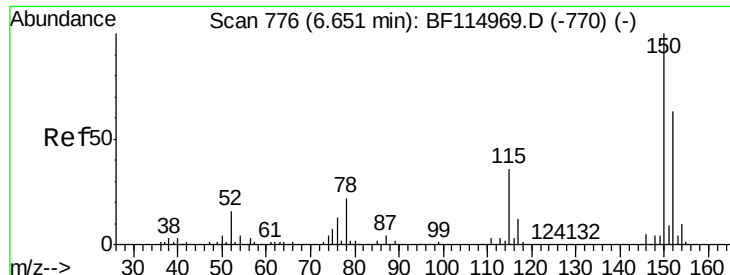
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
Data File : BF114978.D
Acq On : 12 Jun 2019 16:51
Operator : HP/JU
Sample : K2241-01
Misc : LOD-SOIL-8PPM
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 13 11:01:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 10:54:03 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

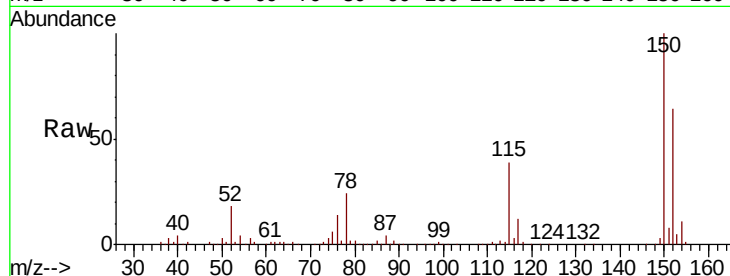
Tot Ion:152 Resp: 288532

Ion Ratio Lower Upper

152 100

150 155.8 127.4 191.0

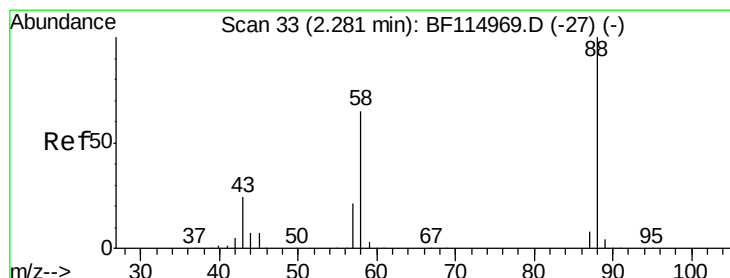
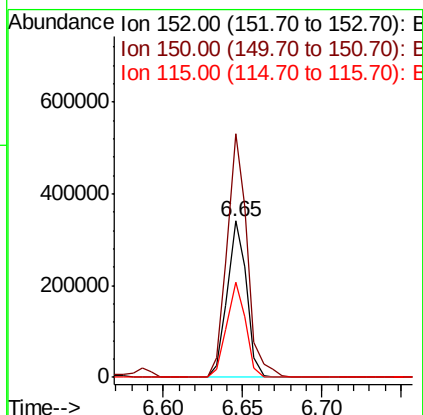
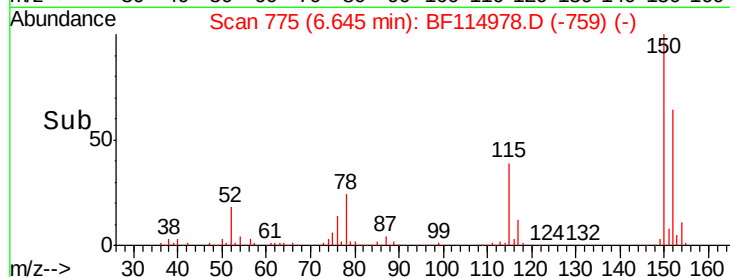
115 60.5 46.0 69.0



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: 6.965 ng

RT: 2.28 min Scan# 32

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

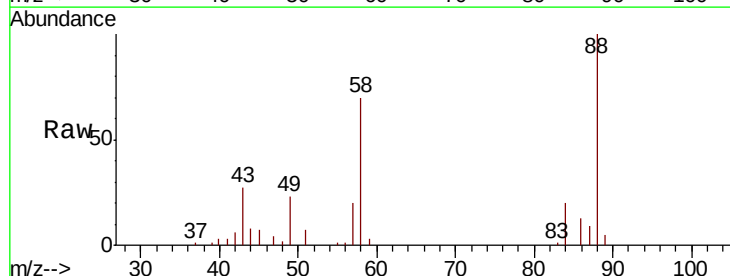
Tgt Ion: 88 Resp: 56333

Ion Ratio Lower Upper

88 100

58 67.5 53.4 80.2

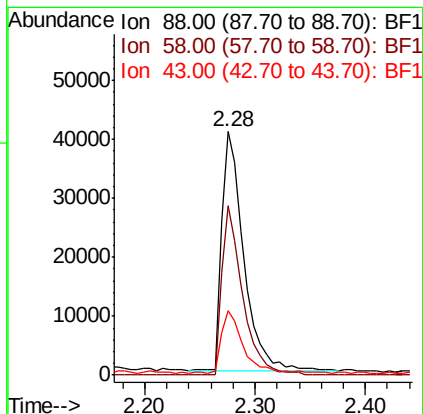
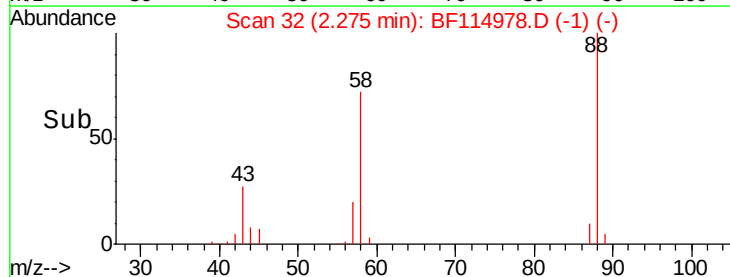
43 24.8 19.7 29.5

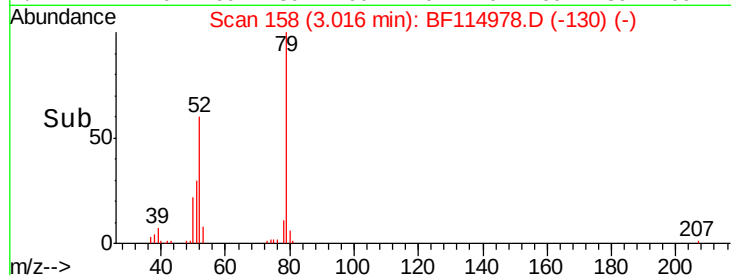
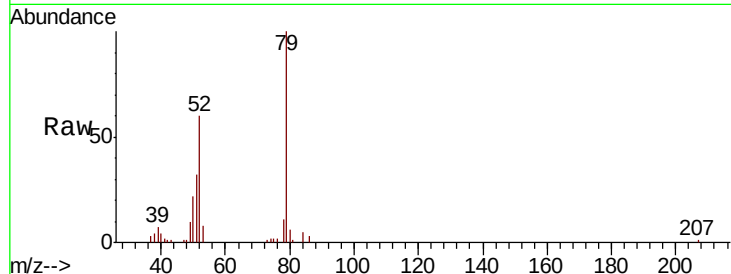
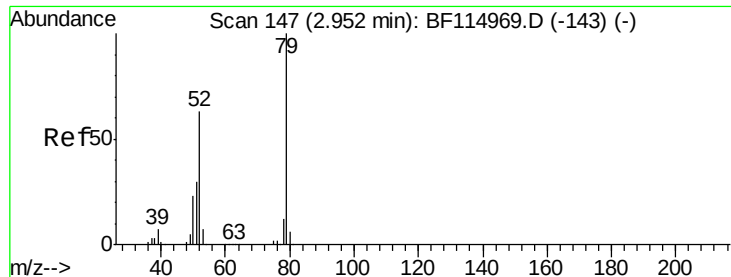


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

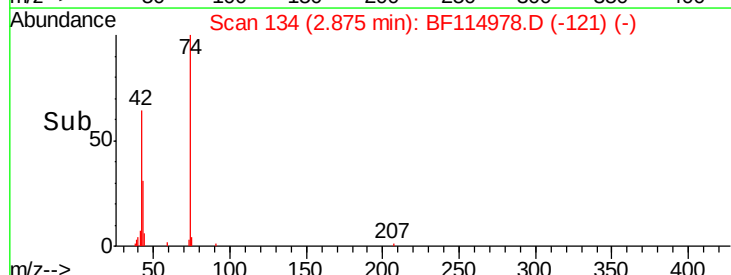
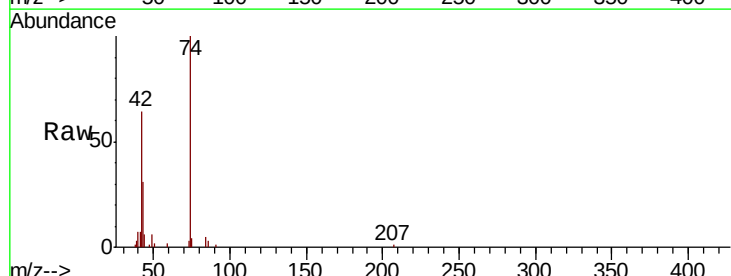
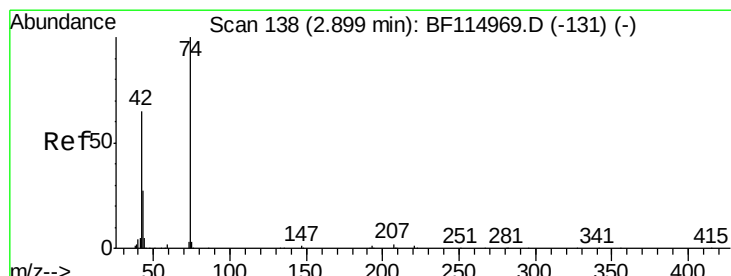
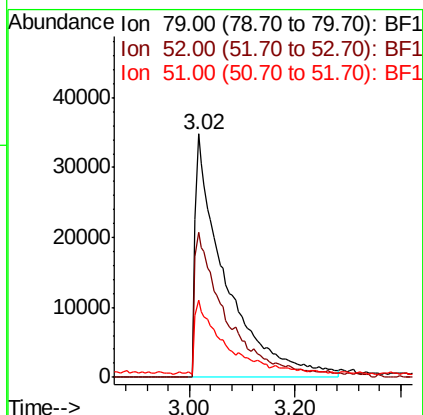




#3
 Pvridine
 Concen: 6.024 ng
 RT: 3.02 min Scan# 158
 Delta R.T. 0.06 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

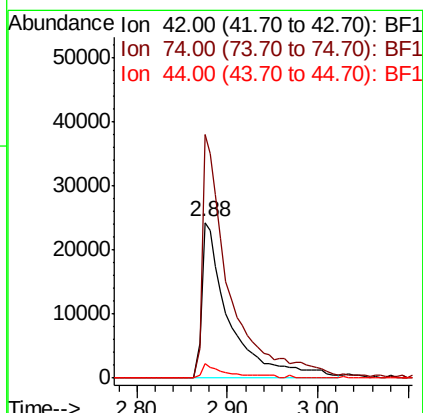
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

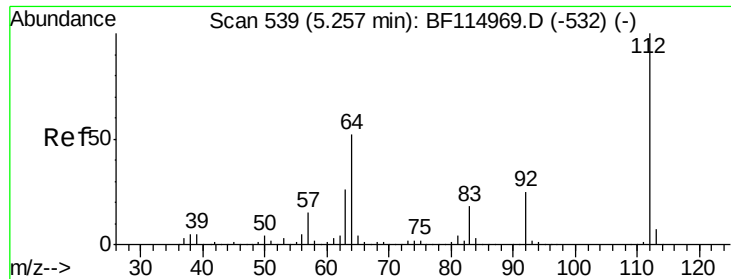
Tot Ion: 79 Resp: 137185
 Ion Ratio Lower Upper
 79 100
 52 59.6 50.3 75.5
 51 31.8 24.4 36.6



#4
 n-Nitrosodimethylamine
 Concen: 6.400 ng
 RT: 2.88 min Scan# 134
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion: 42 Resp: 51740
 Ion Ratio Lower Upper
 42 100
 74 156.3 122.2 183.2
 44 9.1 5.8 8.8#





#5

2-Fluorophenol

Concen: 99.572 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

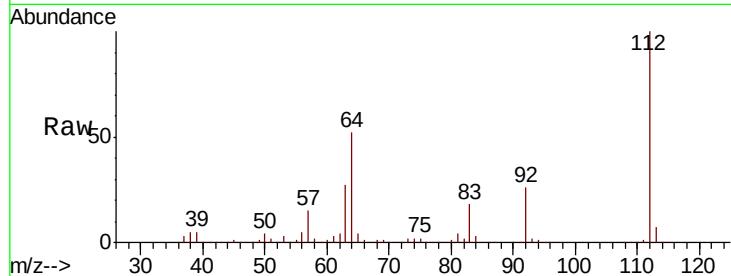
Tot Ion:112 Resp: 1720554

Ion Ratio Lower Upper

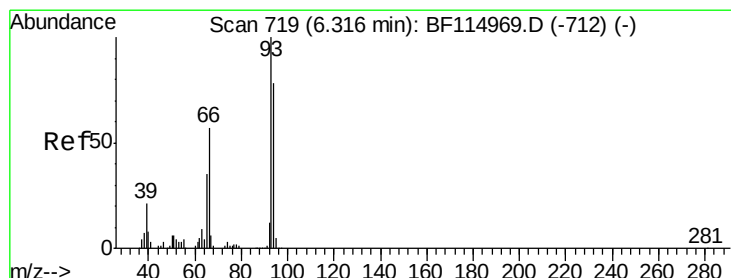
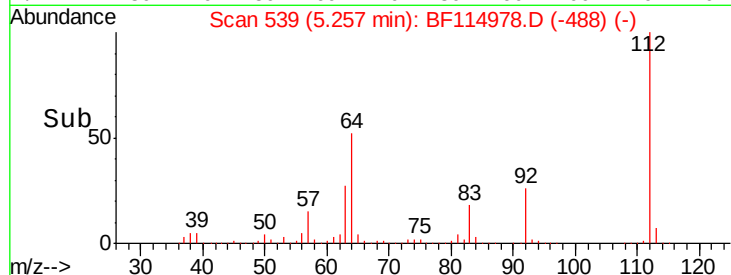
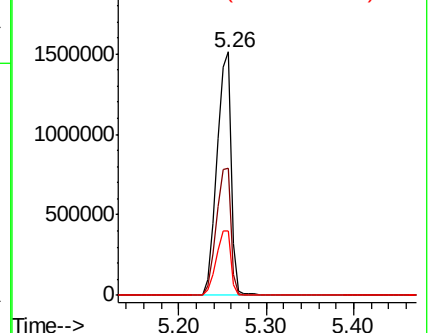
112 100

64 52.0 41.6 62.4

63 26.6 20.9 31.3



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: 7.403 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

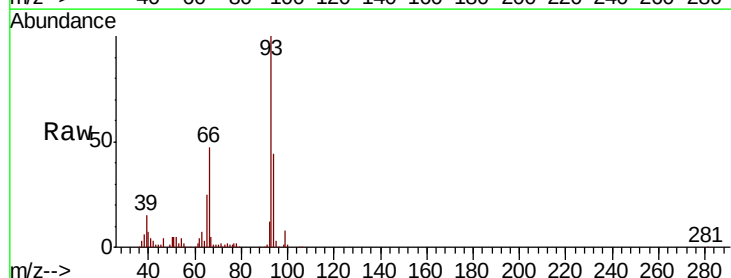
Tgt Ion: 93 Resp: 206662

Ion Ratio Lower Upper

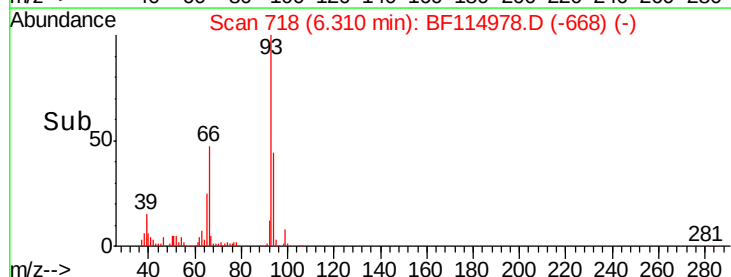
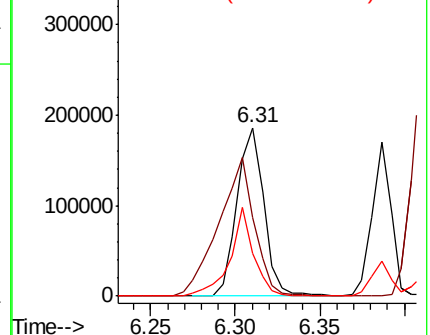
93 100

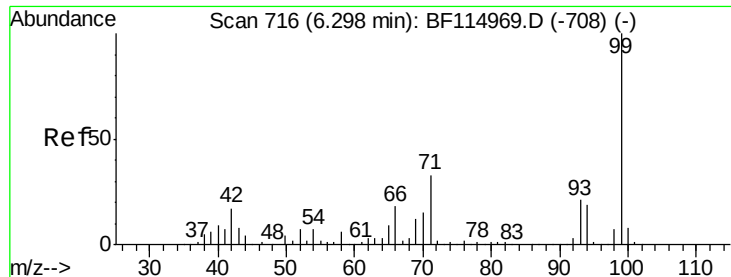
66 46.6 46.2 69.2

65 25.4 27.7 41.5#



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: 103.482 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

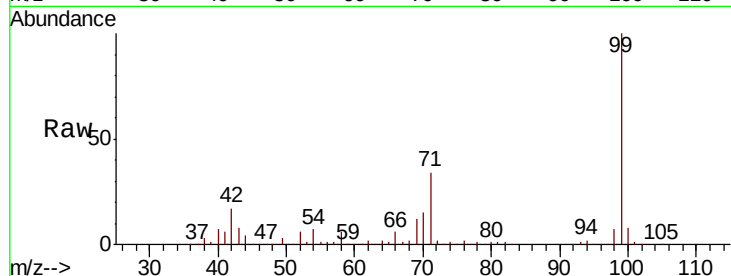
Tot Ion: 99 Resp: 2156992

Ion Ratio Lower Upper

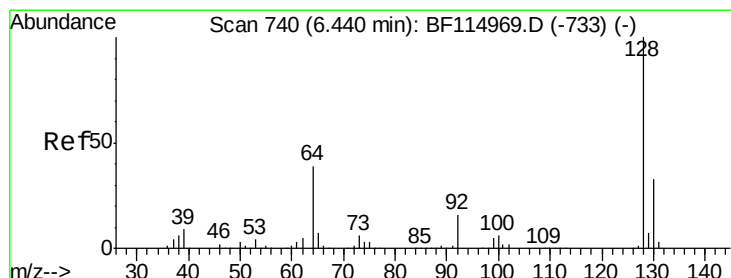
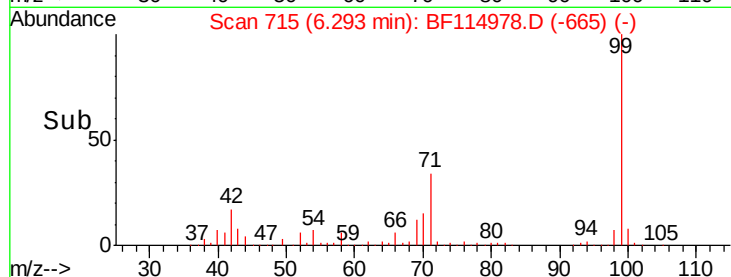
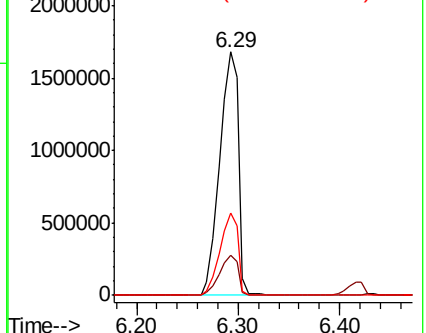
99 100

42 16.7 13.4 20.2

71 33.7 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.541 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

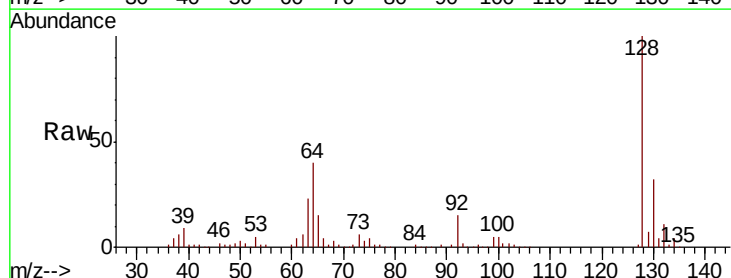
Tgt Ion: 128 Resp: 147746

Ion Ratio Lower Upper

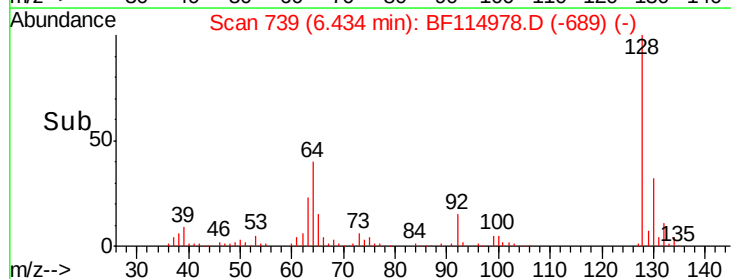
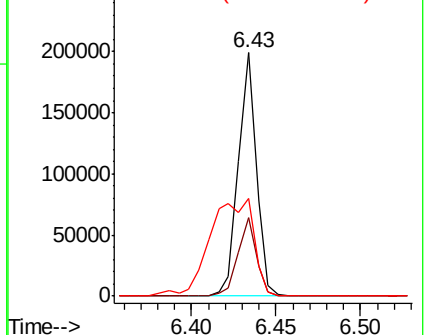
128 100

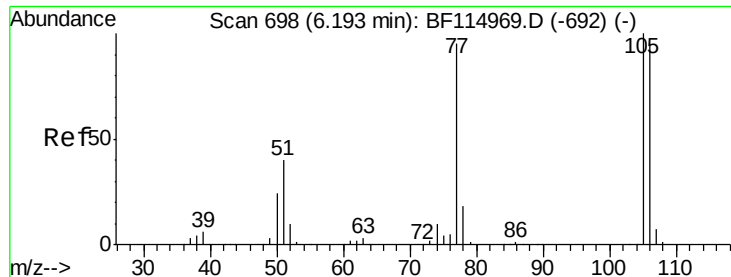
130 32.4 13.4 53.4

64 40.1 20.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 10.009 ng

RT: 6.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

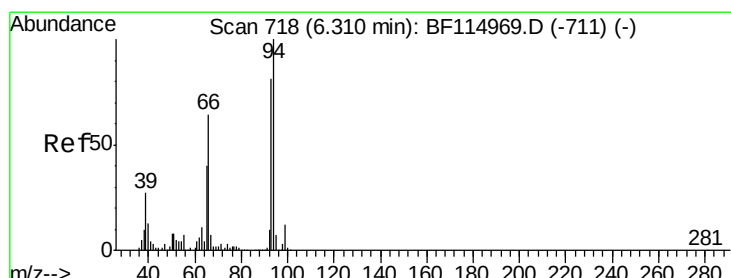
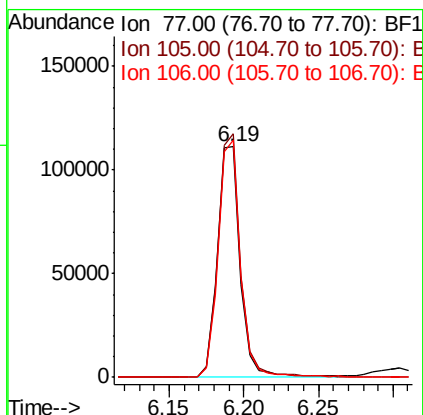
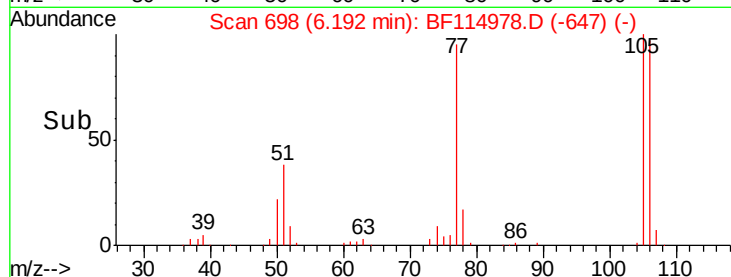
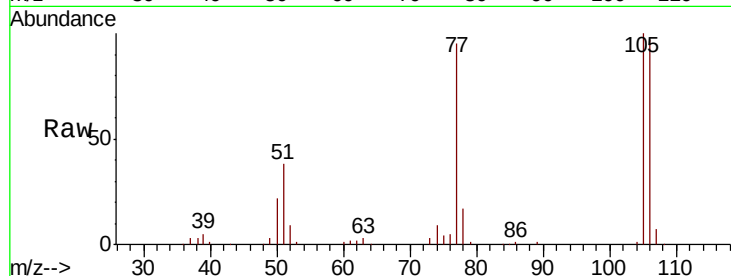
Tot Ion: 77 Resp: 119938

Ion Ratio Lower Upper

77 100

105 105.6 85.1 125.1

106 102.7 80.0 120.0



#10

Phenol

Concen: 7.861 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

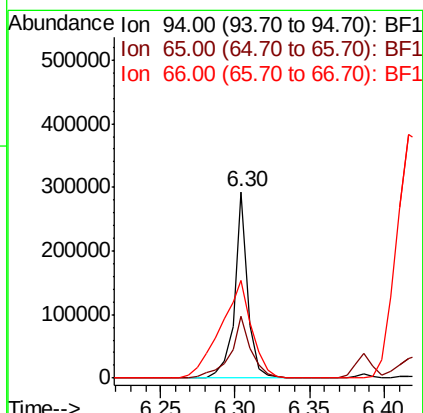
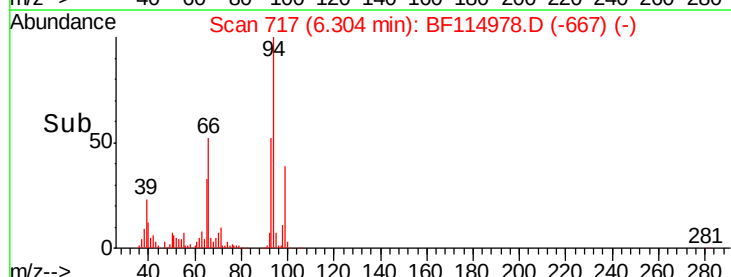
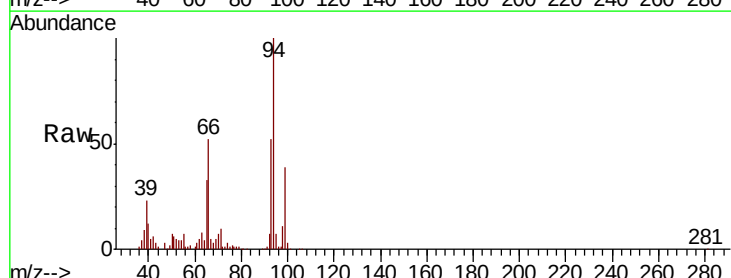
Tgt Ion: 94 Resp: 183331

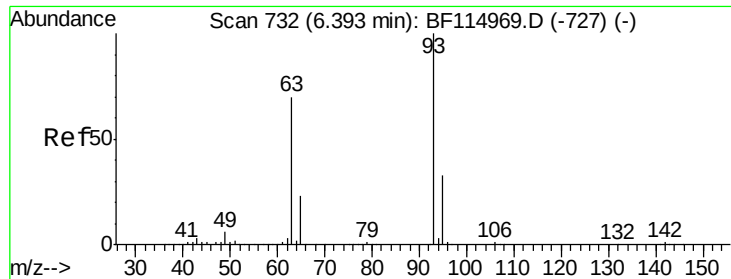
Ion Ratio Lower Upper

94 100

65 33.2 20.0 60.0

66 52.2 44.1 84.1

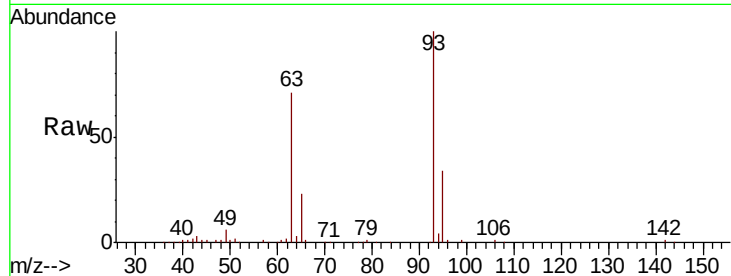




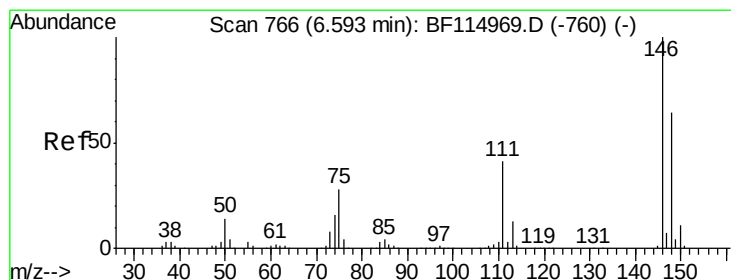
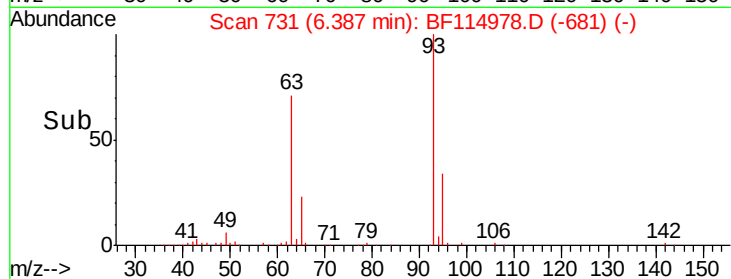
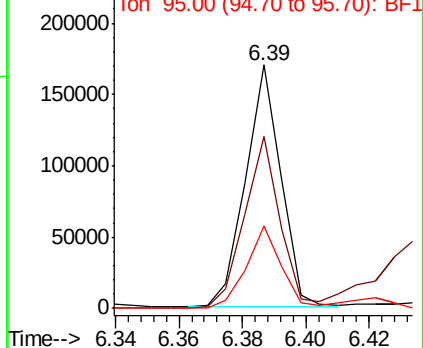
#11
bis(2-Chloroethyl)ether
Concen: 7.306 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion: 93 Resp: 132242
Ion Ratio Lower Upper
93 100
63 70.5 49.8 89.8
95 33.9 13.3 53.3

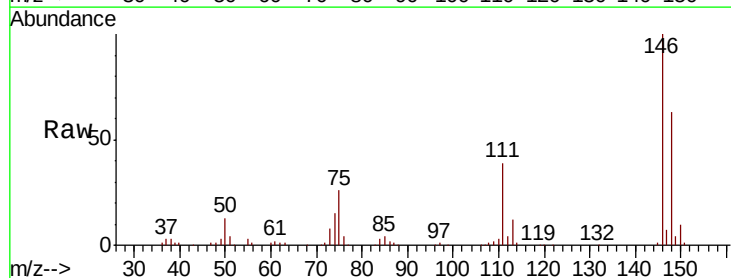


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

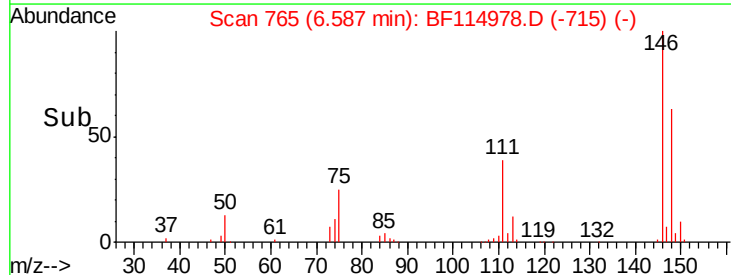
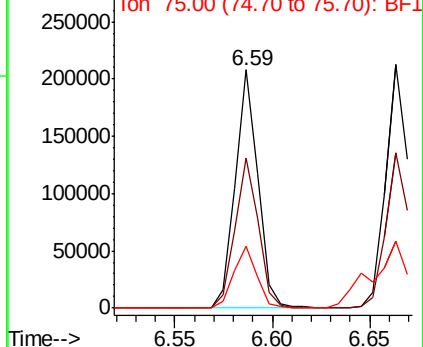


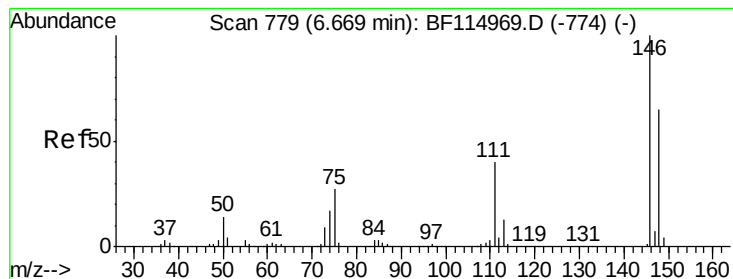
#12
1,3-Dichlorobenzene
Concen: 7.335 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion: 146 Resp: 167859
Ion Ratio Lower Upper
146 100
148 62.8 51.6 77.4
75 25.8 22.3 33.5



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: 7.467 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

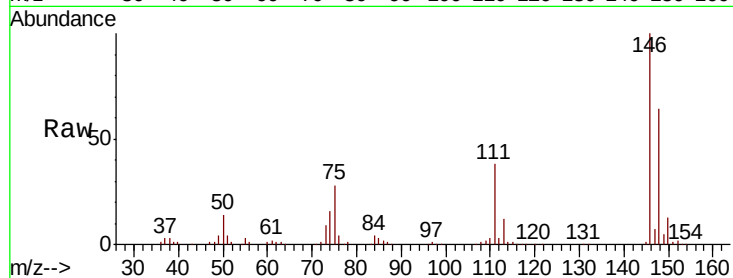
Tot Ion:146 Resp: 171805

Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.2

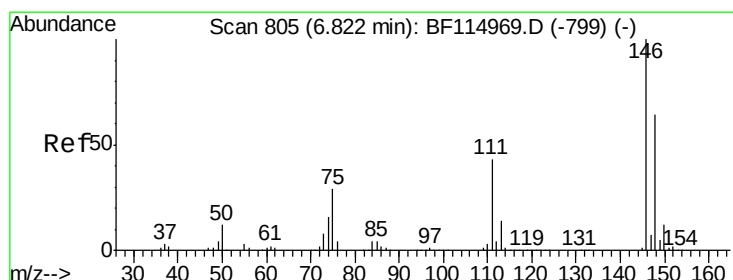
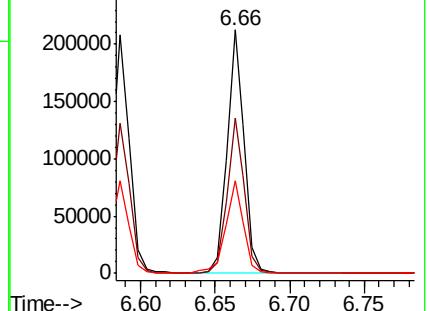
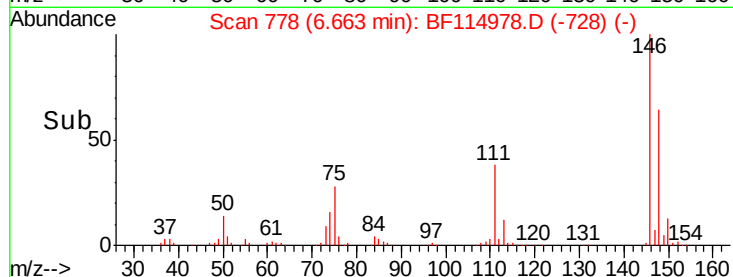
111 37.9 32.4 48.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.428 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

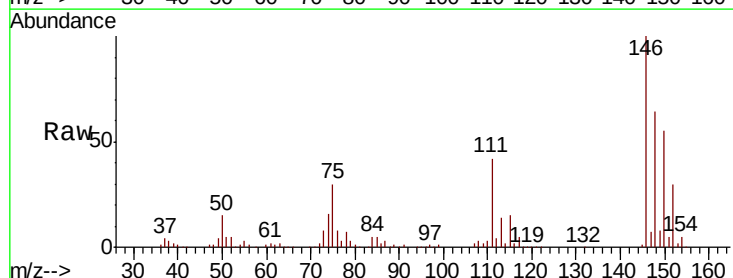
Tgt Ion:146 Resp: 160910

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

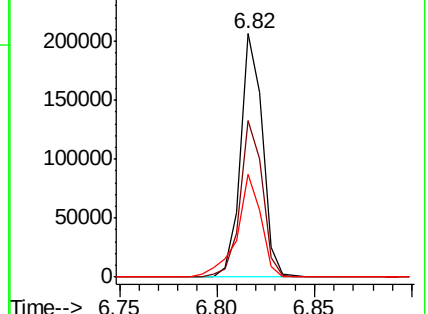
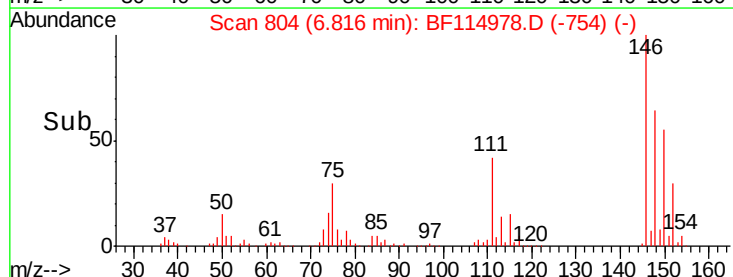
111 42.4 34.6 51.8

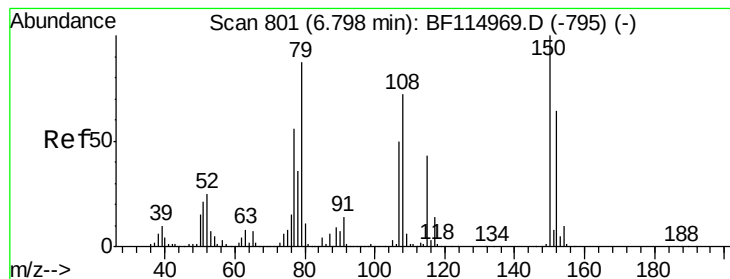


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.560 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

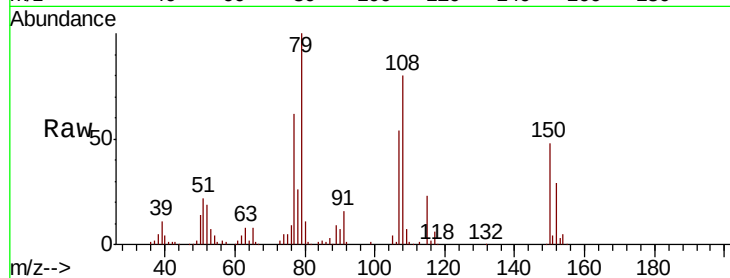
Tot Ion: 79 Resp: 133688

Ion Ratio Lower Upper

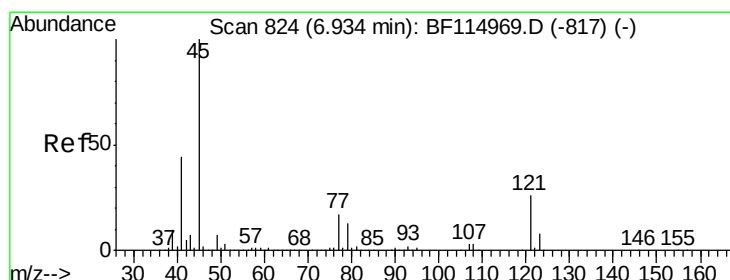
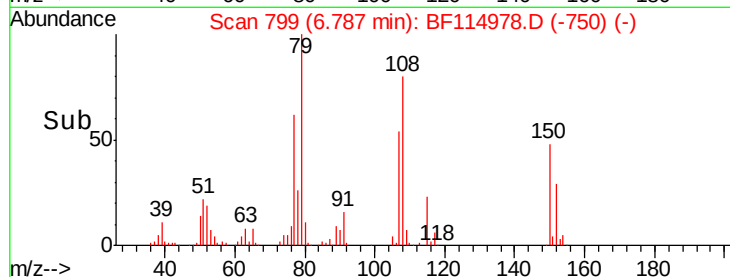
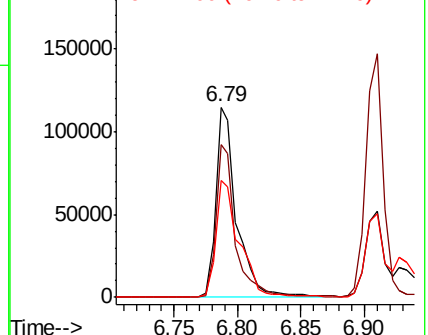
79 100

108 80.3 66.0 99.0

77 61.8 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BF1
200000 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: 7.418 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

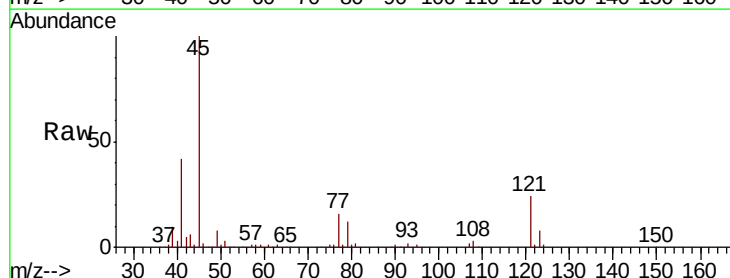
Tgt Ion: 45 Resp: 179705

Ion Ratio Lower Upper

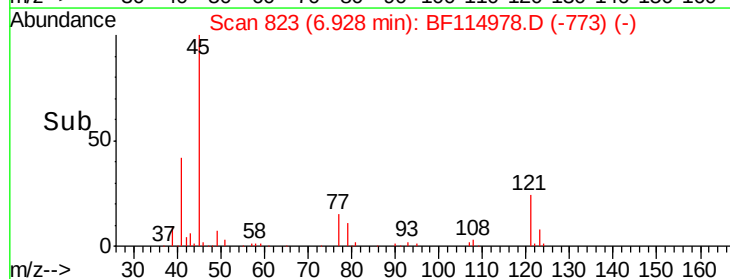
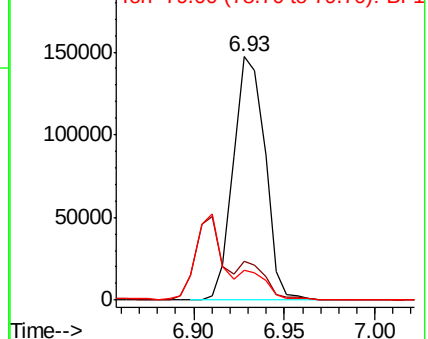
45 100

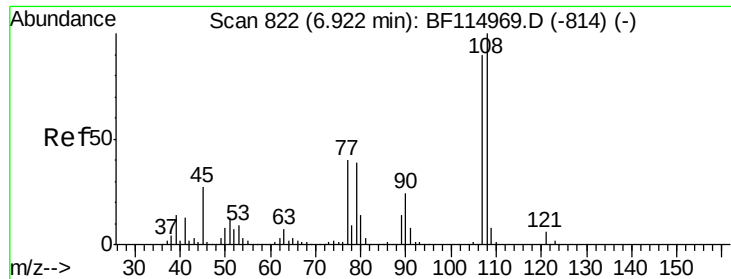
77 16.2 0.0 37.0

79 12.0 0.0 33.1



Abundance Ion 45.00 (44.70 to 45.70): BF1
200000 Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

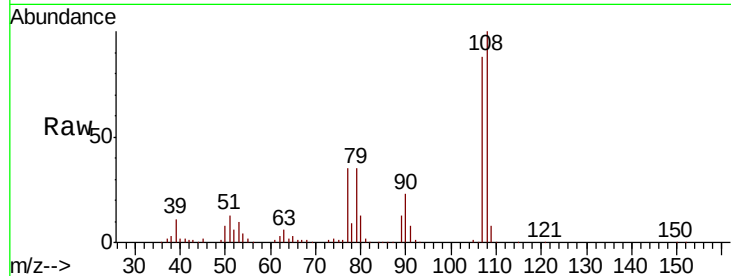




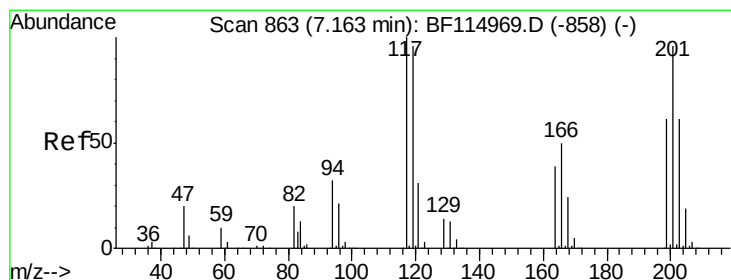
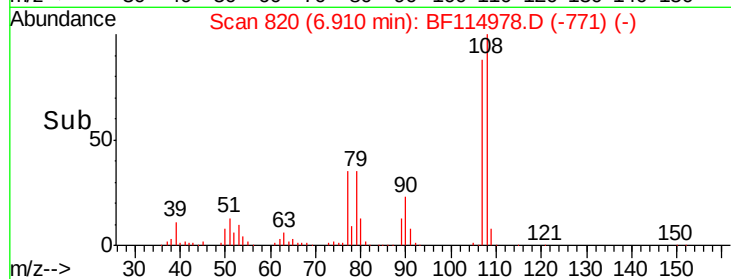
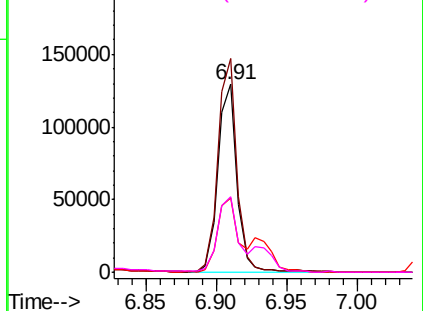
#17
2-Methylphenol
Concen: 7.498 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:	107	Resp:	122539
Ion	Ratio	Lower	Upper
107	100		
108	113.6	89.3	133.9
77	39.3	35.4	53.2
79	40.3	34.9	52.3

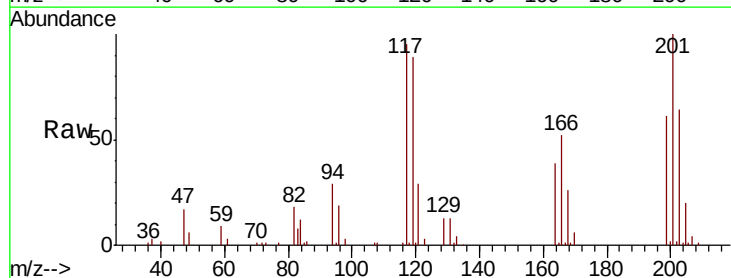


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

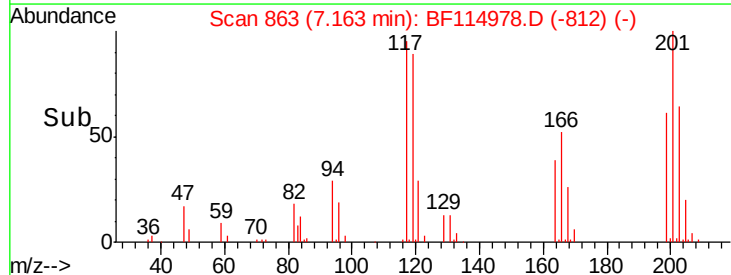
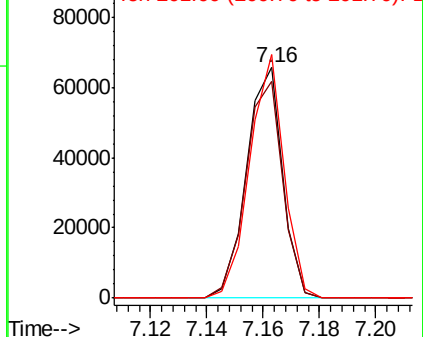


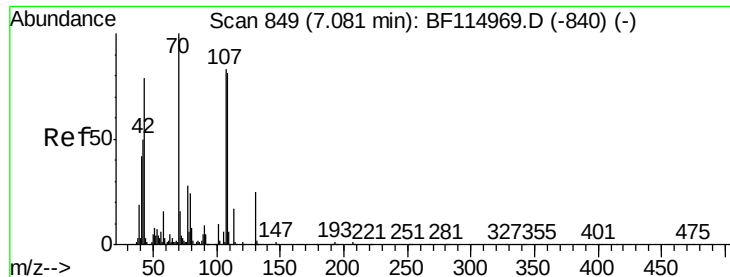
#18
Hexachloroethane
Concen: 6.987 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	117	Resp:	58052
Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.4
201	105.7	76.6	115.0



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

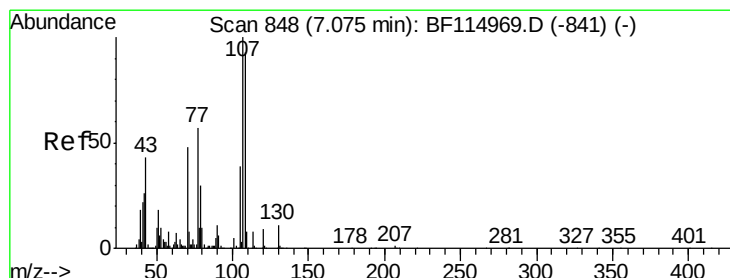
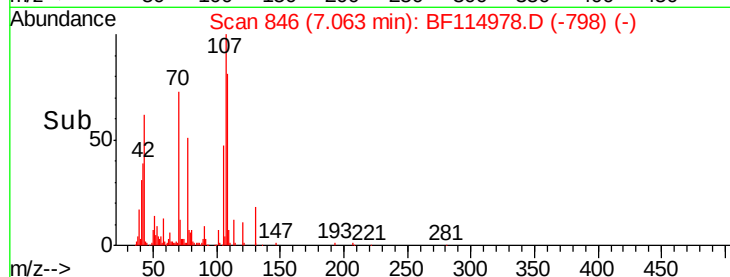
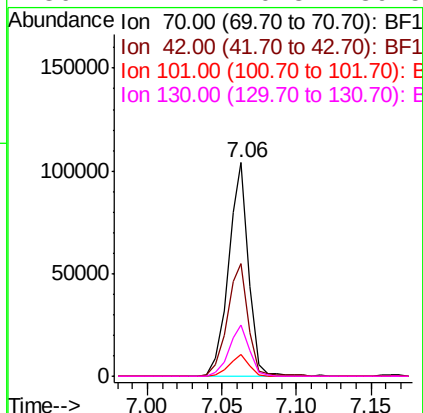
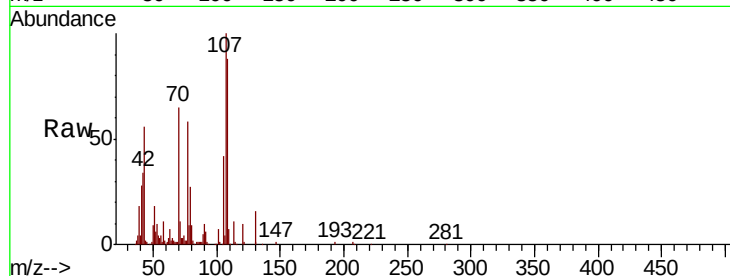




#19
n-Nitroso-di-n-propylamine
Concen: 7.774 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

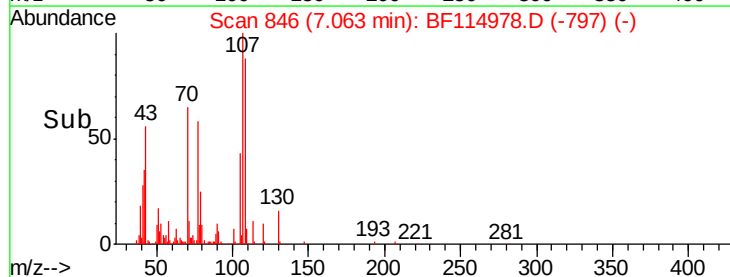
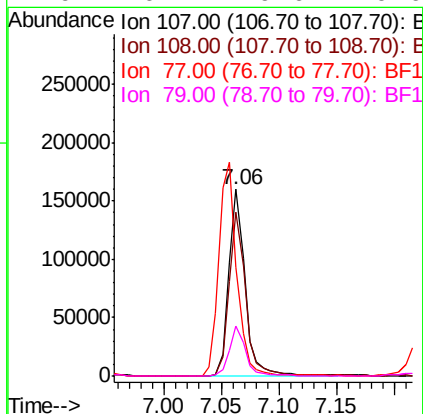
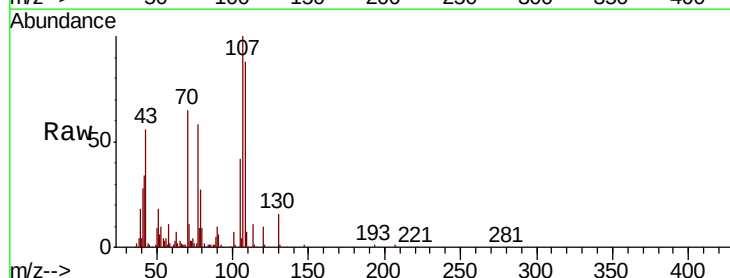
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

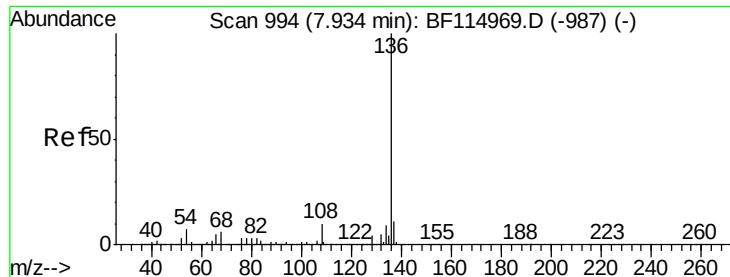
Tot Ion:	70	Resp:	98449
Ion	Ratio	Lower	Upper
70	100		
42	53.0	40.3	60.5
101	10.1	8.2	12.4
130	24.1	20.3	30.5



#20
3+4-Methylphenols
Concen: 8.078 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	107	Resp:	157123
Ion	Ratio	Lower	Upper
107	100		
108	88.0	73.1	113.1
77	58.3	37.3	77.3
79	26.7	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:136 Resp: 1124837

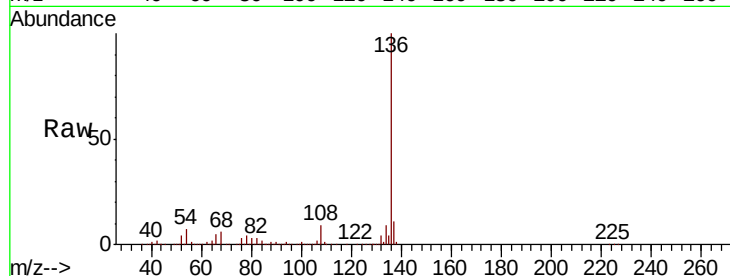
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.8 5.4 8.0

68 6.0 4.6 7.0

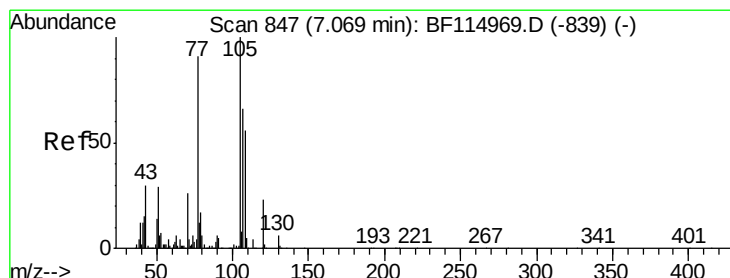
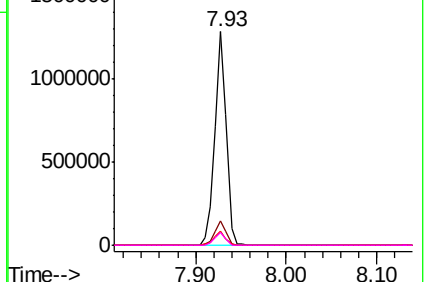
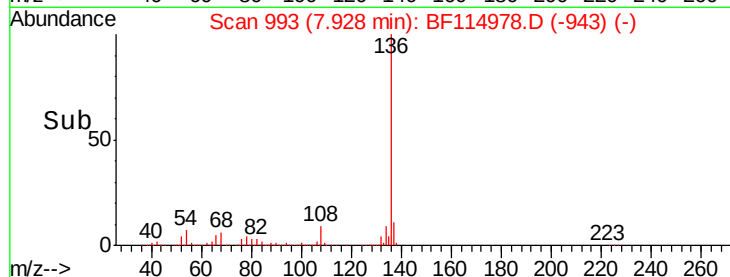


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 8.304 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Tgt Ion:105 Resp: 211454

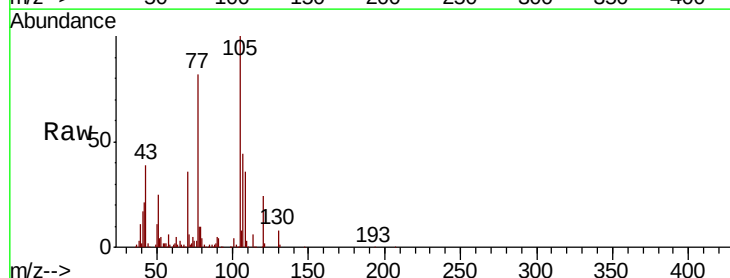
Ion Ratio Lower Upper

105 100

71 5.9 3.4 5.2#

51 25.4 23.3 34.9

120 23.5 18.8 28.2

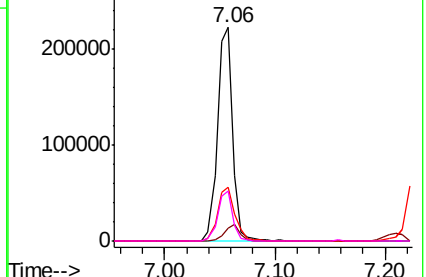
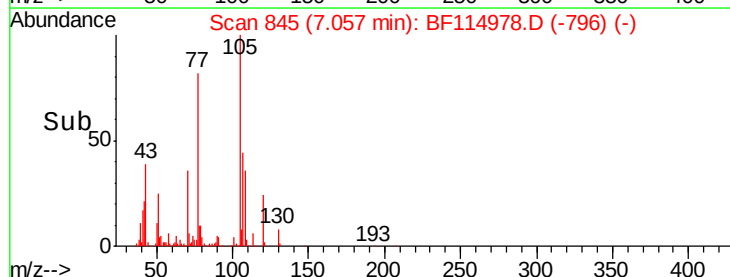


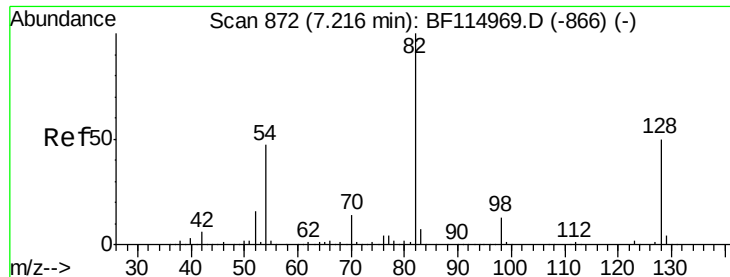
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 70.940 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

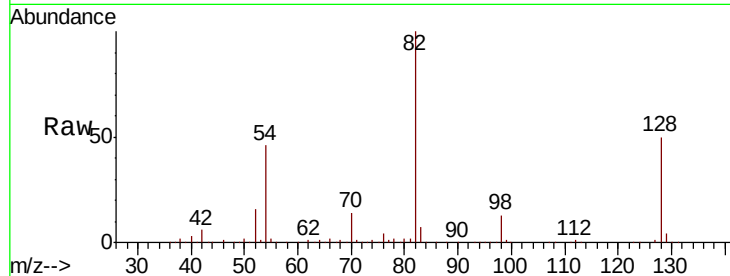
Tot Ion: 82 Resp: 1325681

Ion Ratio Lower Upper

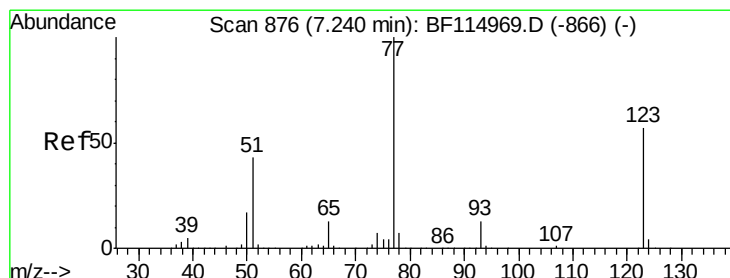
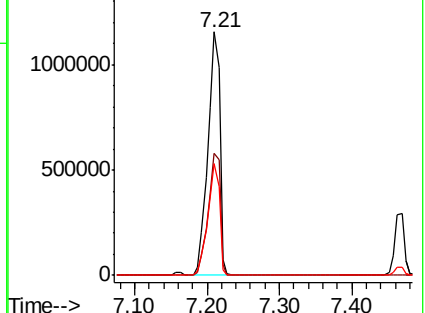
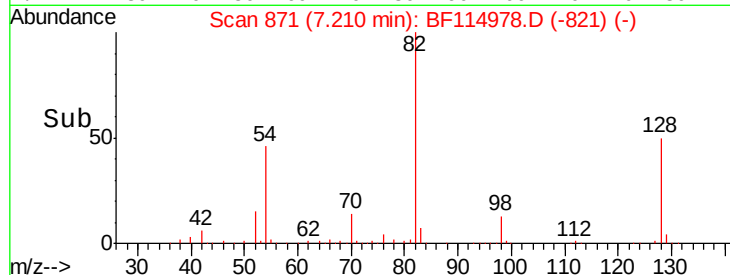
82 100

128 50.3 39.9 59.9

54 46.0 37.3 55.9



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



#24

Nitrobenzene

Concen: 8.132 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

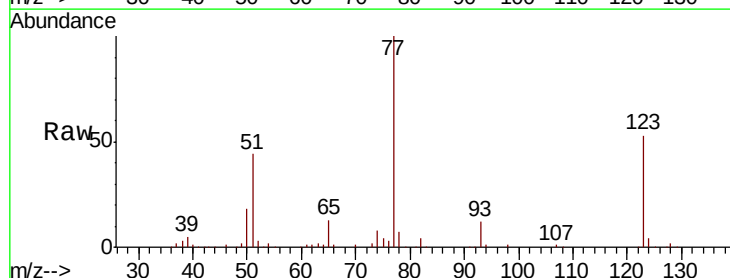
Tgt Ion: 77 Resp: 154616

Ion Ratio Lower Upper

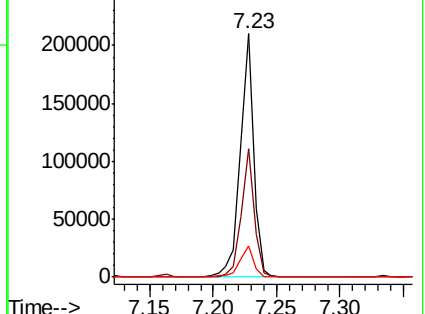
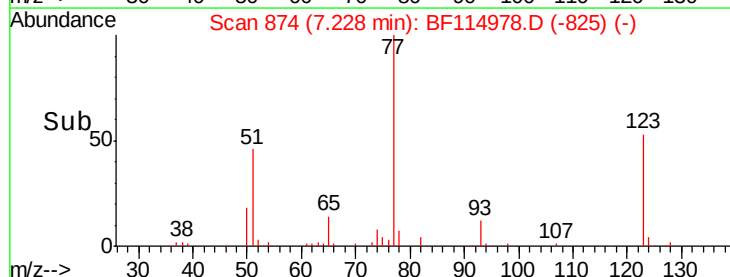
77 100

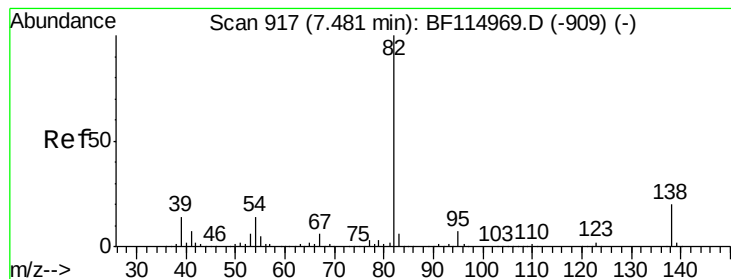
123 52.9 45.5 68.3

65 12.6 10.3 15.5



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: 7.795 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

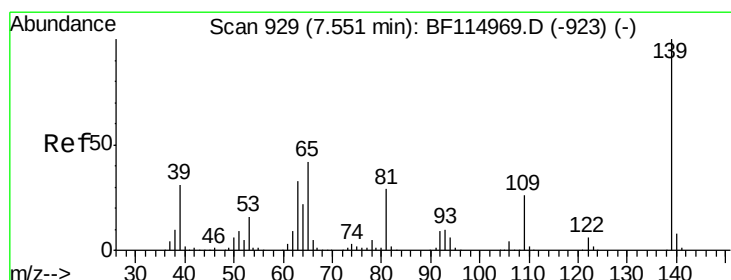
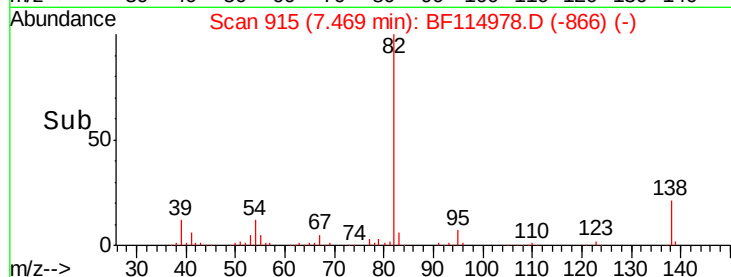
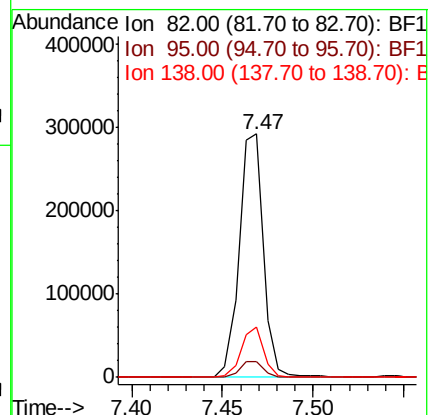
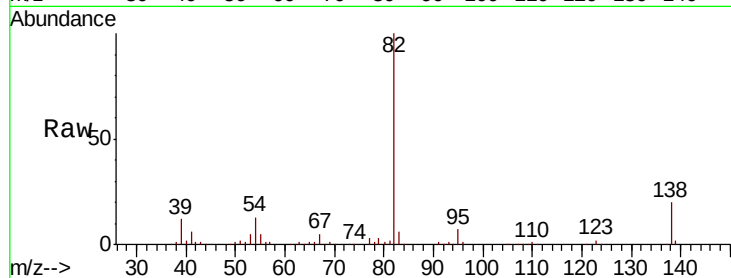
Tot Ion: 82 Resp: 272843

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 20.4 16.1 24.1



#26

2-Nitrophenol

Concen: 7.462 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

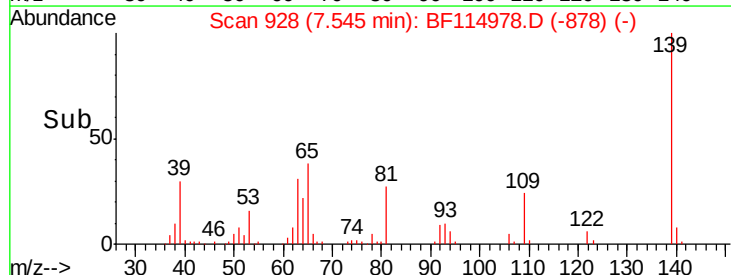
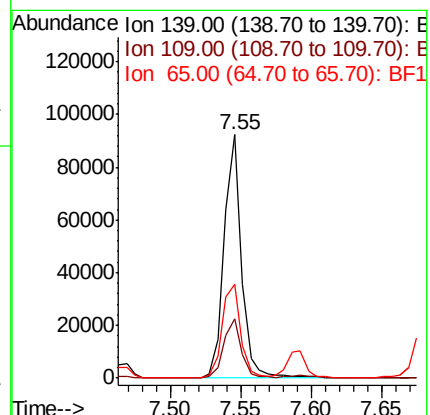
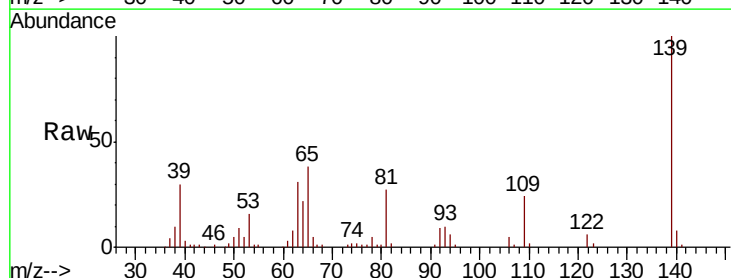
Tgt Ion: 139 Resp: 79078

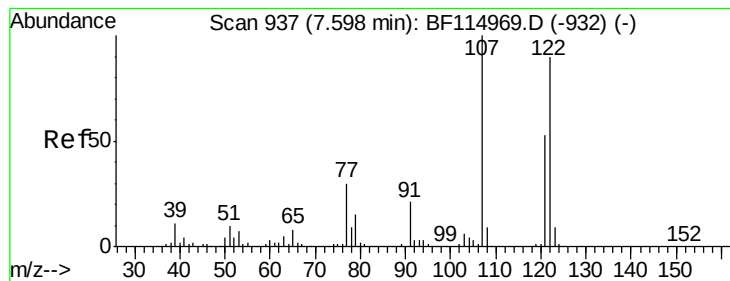
Ion Ratio Lower Upper

139 100

109 24.2 20.8 31.2

65 38.3 33.4 50.2





#27

2,4-Dimethylphenol

Concen: 7.331 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

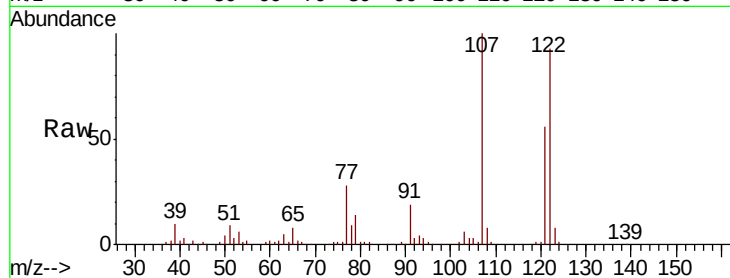
Tot Ion:122 Resp: 112073

Ion Ratio Lower Upper

122 100

107 107.3 88.8 133.2

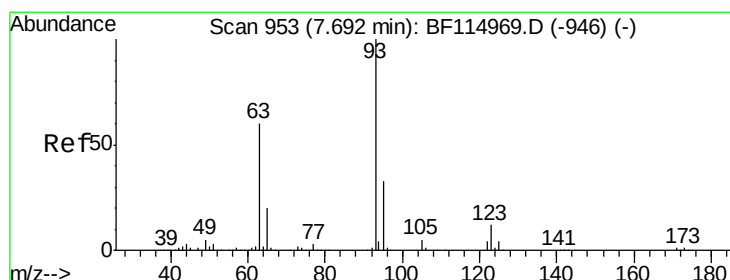
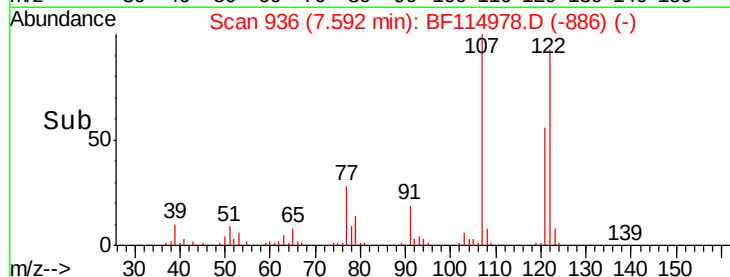
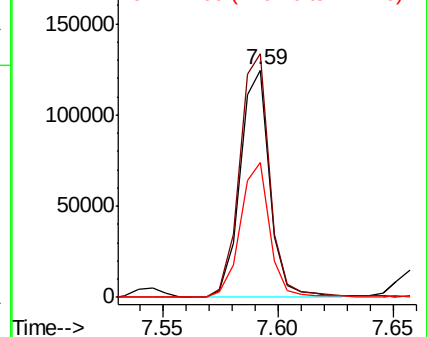
121 59.6 47.4 71.0



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: 7.678 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

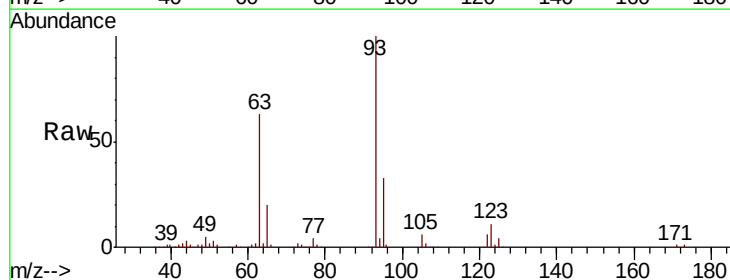
Tgt Ion: 93 Resp: 172417

Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

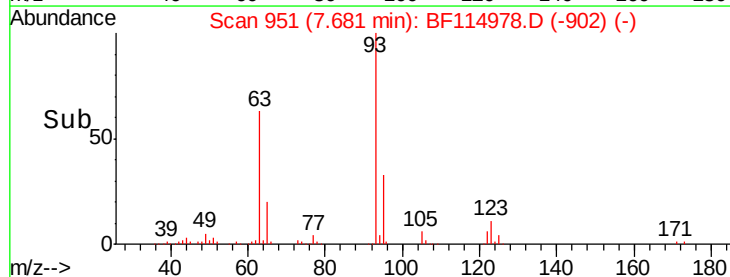
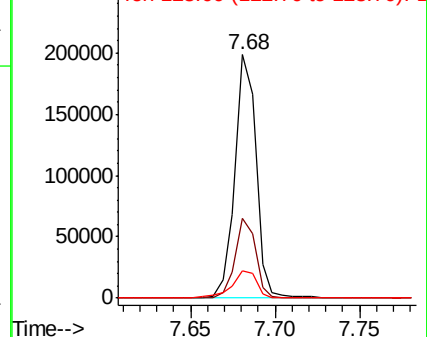
123 11.1 9.9 14.9

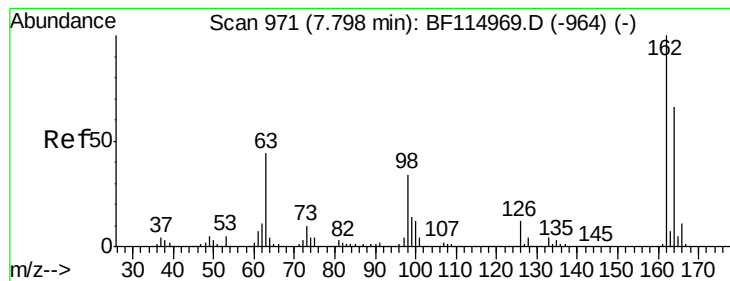


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

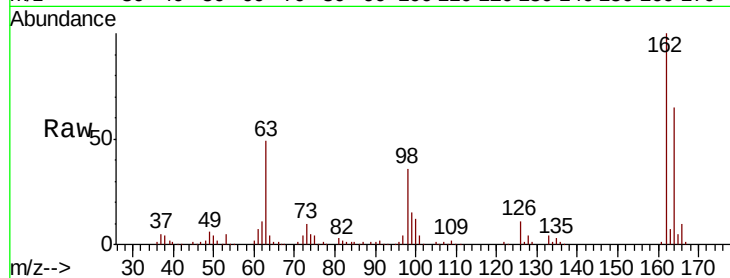




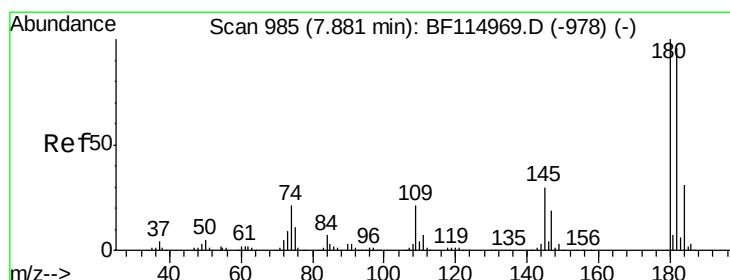
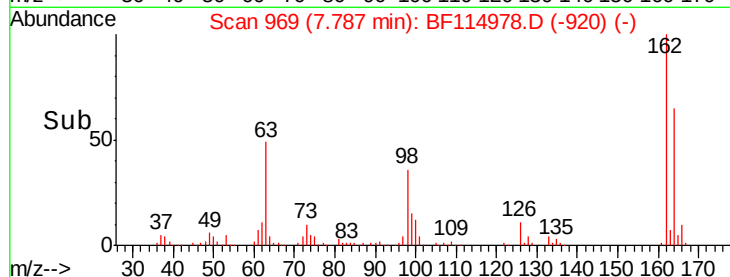
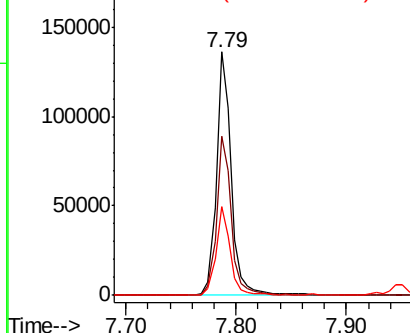
#29
 2,4-Dichlorophenol
 Concen: 7.834 ng
 RT: 7.79 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tot Ion:162 Resp: 126532
 Ion Ratio Lower Upper
 162 100
 164 65.2 45.7 85.7
 98 36.2 14.0 54.0

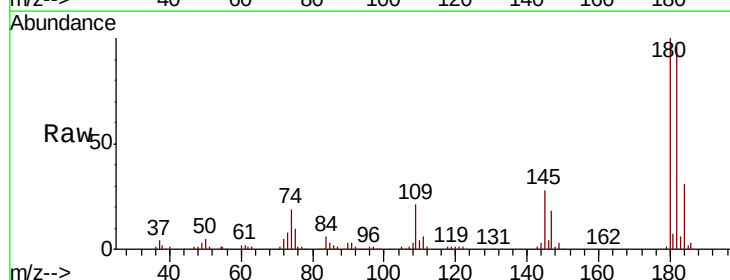


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

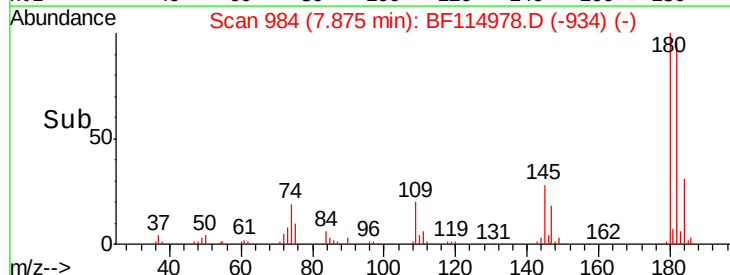
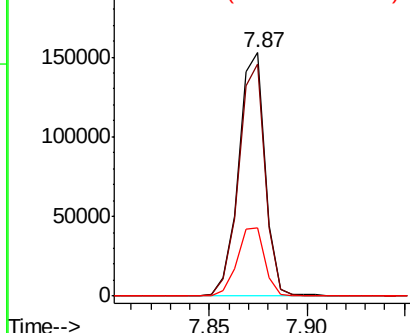


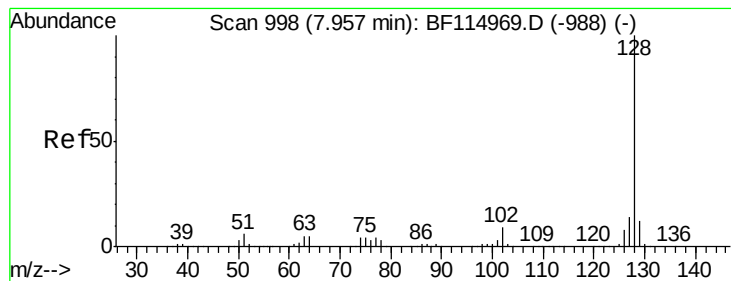
#30
 1,2,4-Trichlorobenzene
 Concen: 7.702 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:180 Resp: 143733
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 145 28.0 24.1 36.1



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: 8.687 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

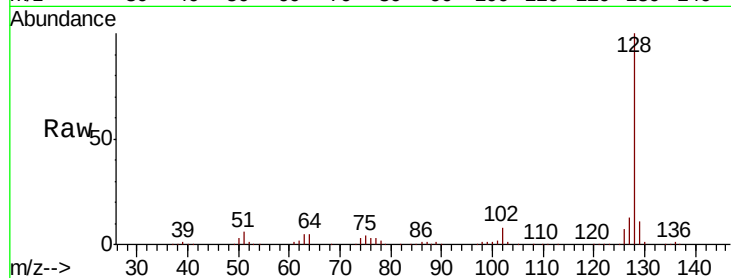
Tot Ion:128 Resp: 462337

Ion Ratio Lower Upper

128 100

129 10.9 9.5 14.3

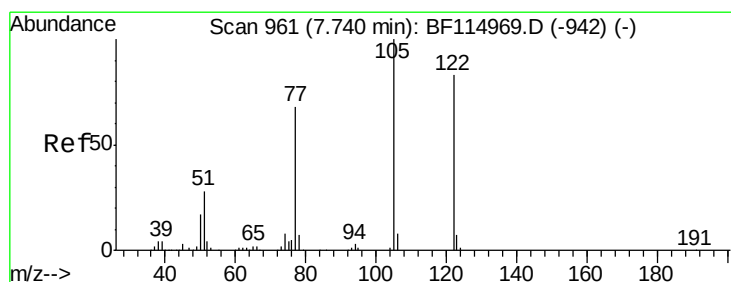
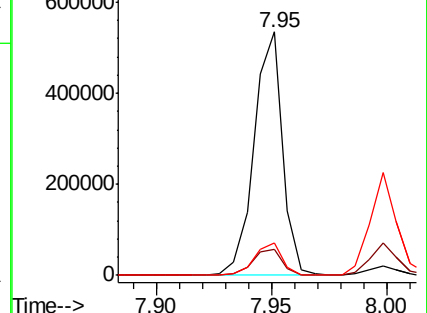
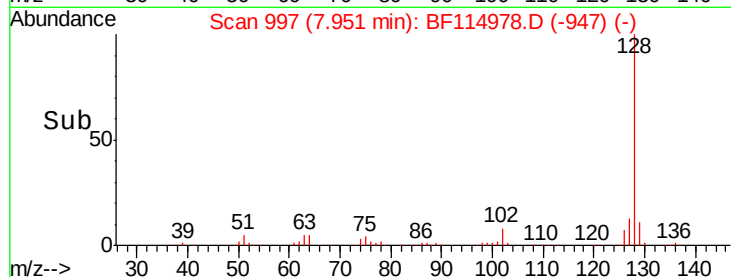
127 13.1 11.5 17.3



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: 4.812 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.07 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

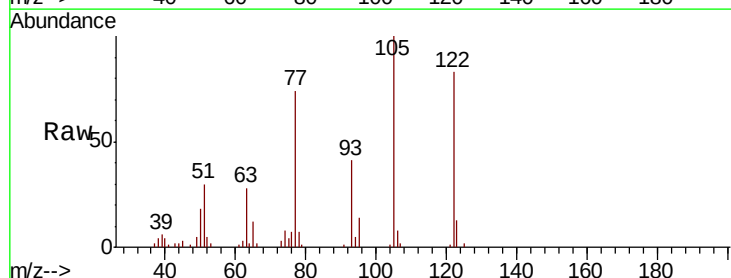
Tgt Ion:122 Resp: 53234

Ion Ratio Lower Upper

122 100

105 120.7 98.6 138.6

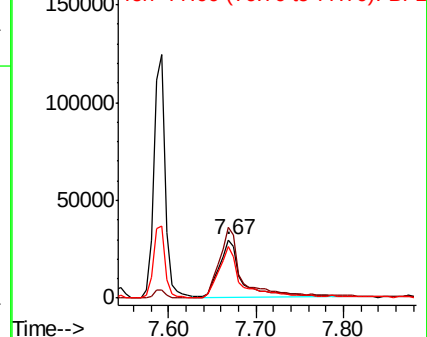
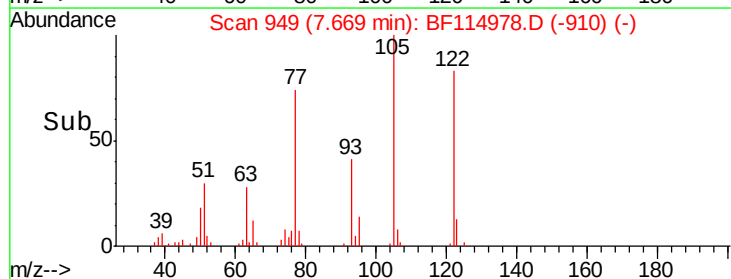
77 89.5 60.9 100.9

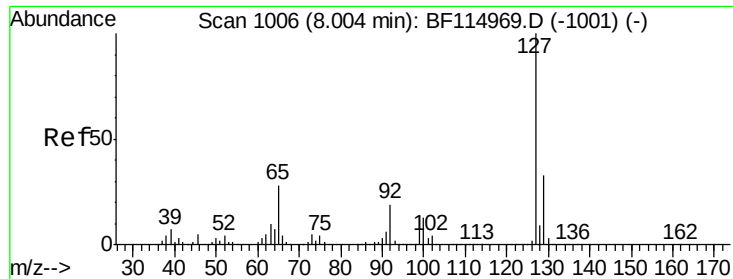


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

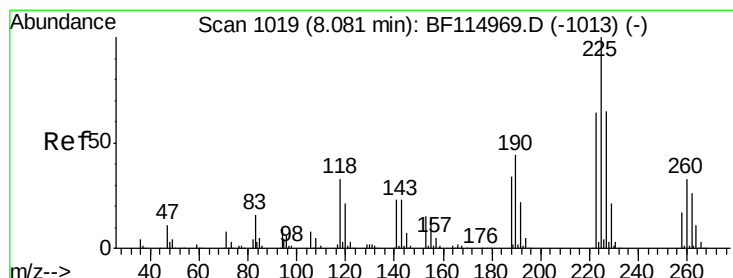
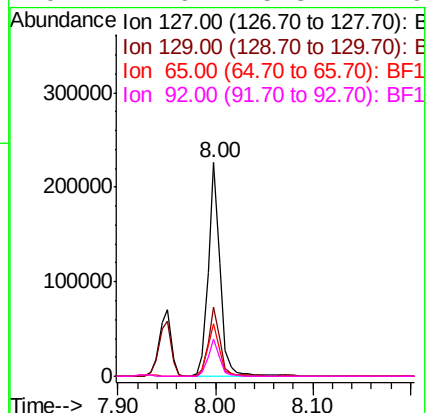
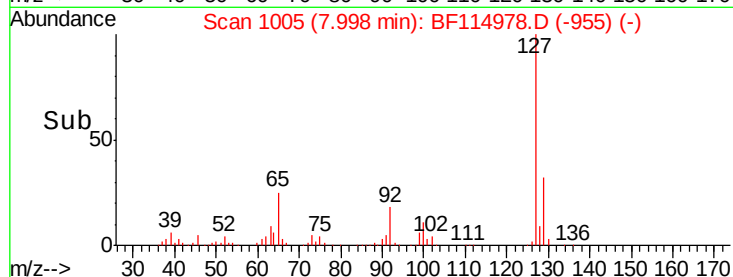
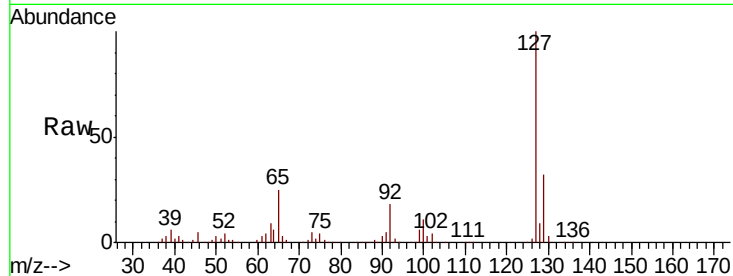




#33
4-Chloroaniline
Concen: 7.698 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

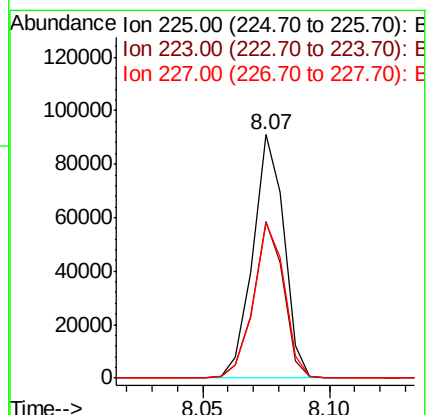
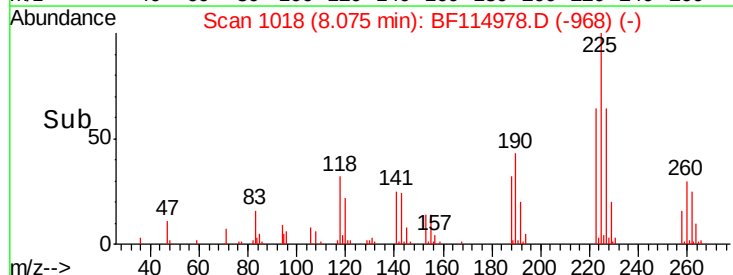
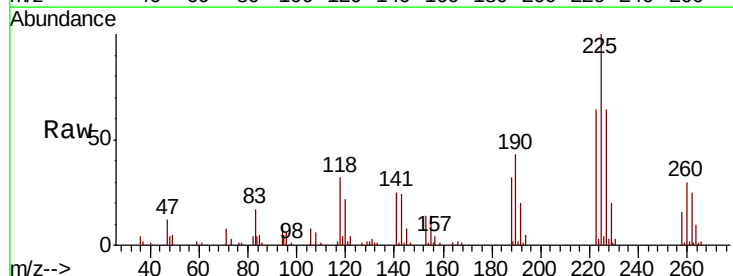
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

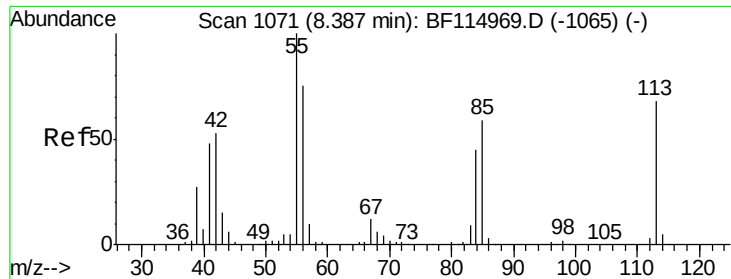
Tot Ion:	127	Resp:	189116
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	24.8	22.3	33.5
92	17.6	15.3	22.9



#34
Hexachlorobutadiene
Concen: 7.526 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:	225	Resp:	78063
Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.0	76.6
227	63.6	51.7	77.5

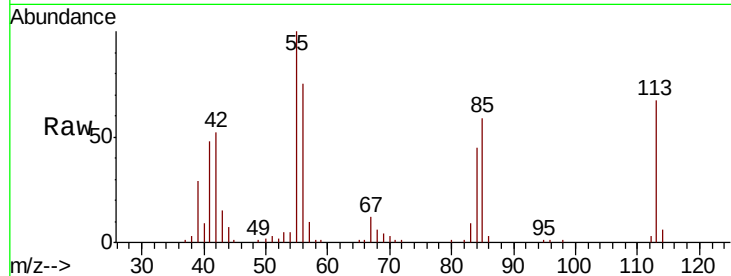




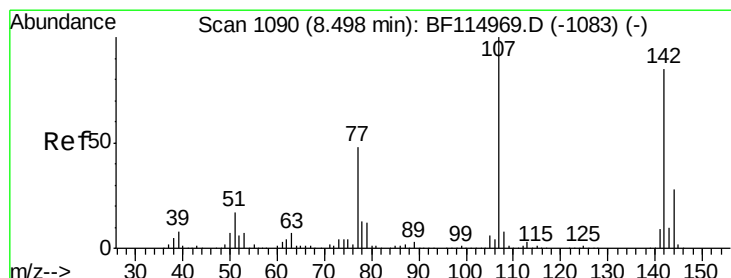
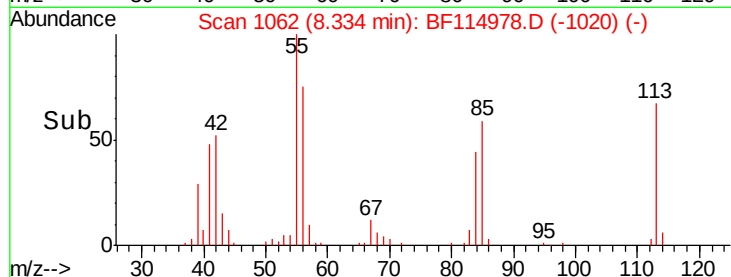
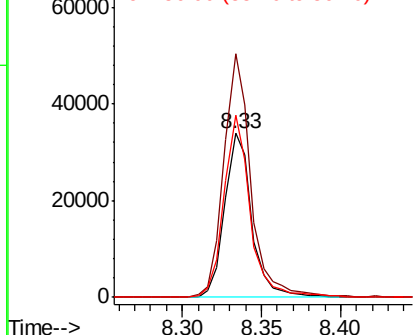
#35
Caprolactam
Concen: 7.420 ng
RT: 8.33 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:113 Resp: 39914
Ion Ratio Lower Upper
113 100
55 148.7 127.3 167.3
56 111.1 90.6 130.6

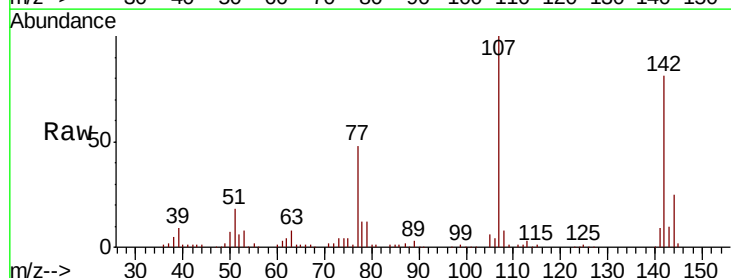


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

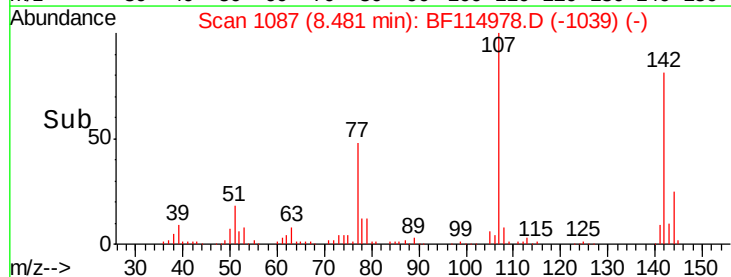
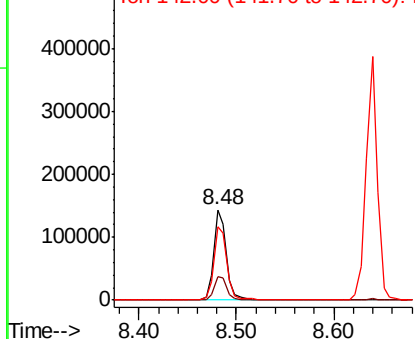


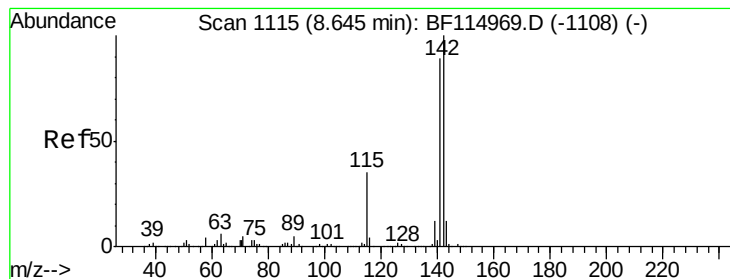
#36
4-Chloro-3-methylphenol
Concen: 7.907 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:107 Resp: 128692
Ion Ratio Lower Upper
107 100
144 25.3 22.0 33.0
142 80.7 68.2 102.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 8.751 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

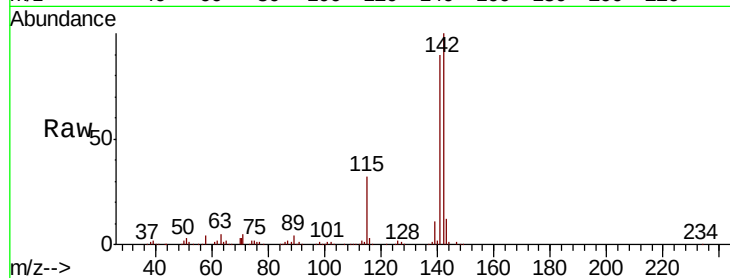
Tot Ion:142 Resp: 310649

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6

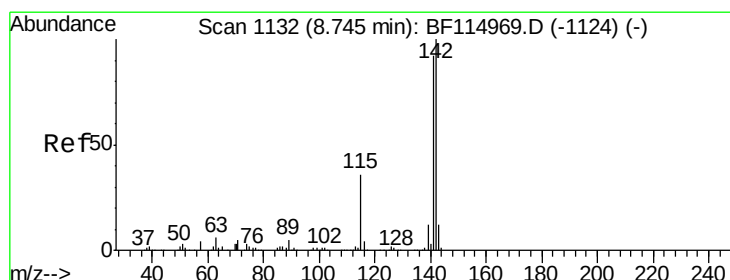
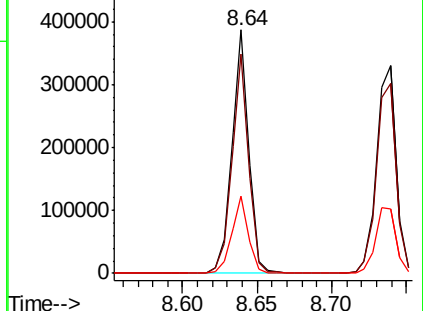
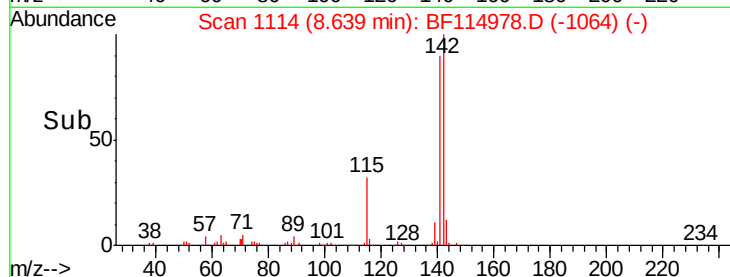
115 31.5 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 8.785 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

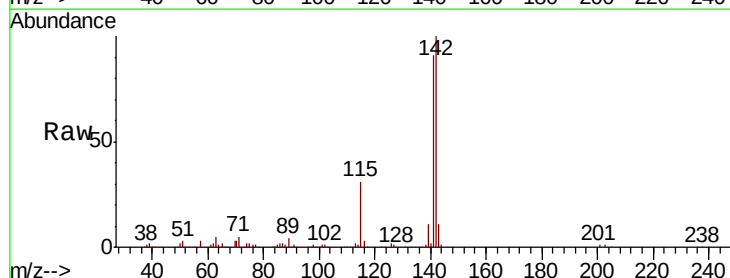
Tgt Ion:142 Resp: 294721

Ion Ratio Lower Upper

142 100

141 91.3 73.8 110.8

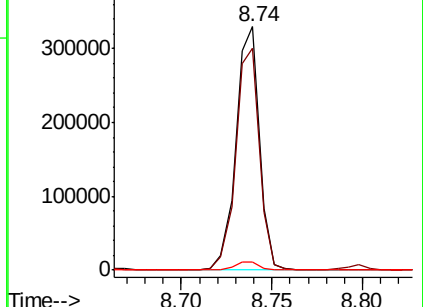
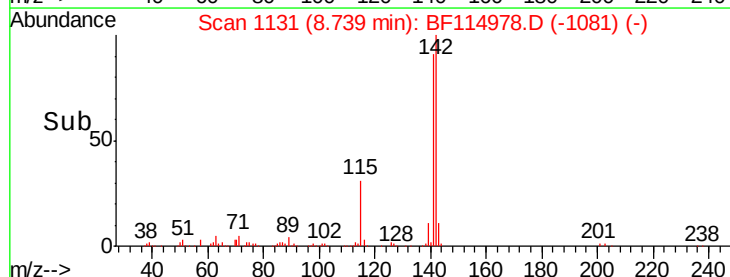
116 3.4 2.9 4.3

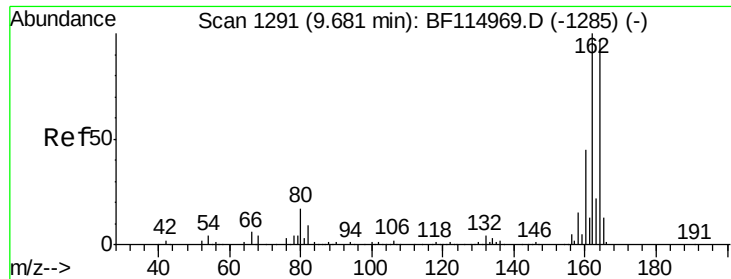


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

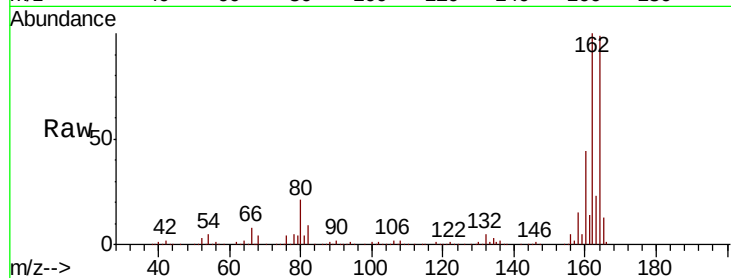




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	124.0
160	44.7	36.9	55.3

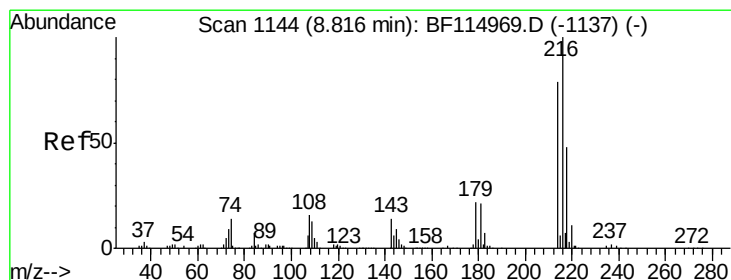
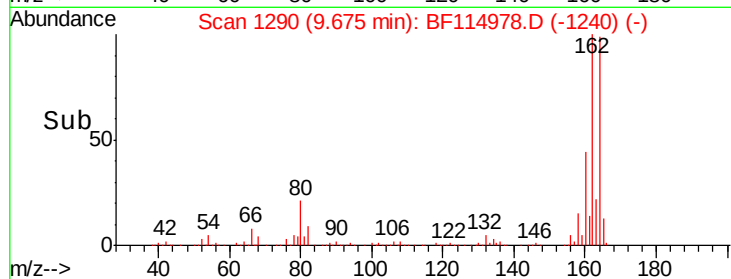
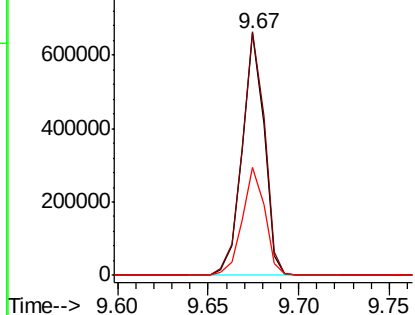


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.207 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.7	95.5
179	21.8	18.2	27.4
108	17.9	15.0	22.6

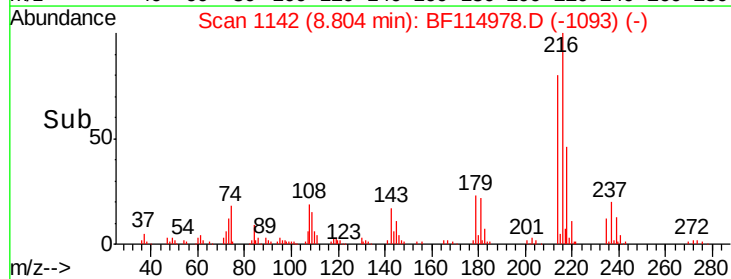
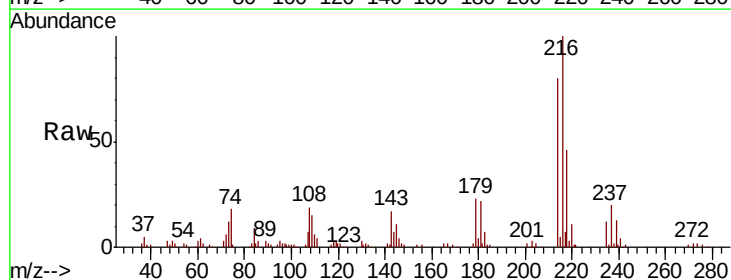
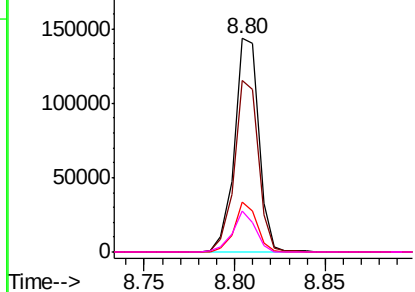
Abundance

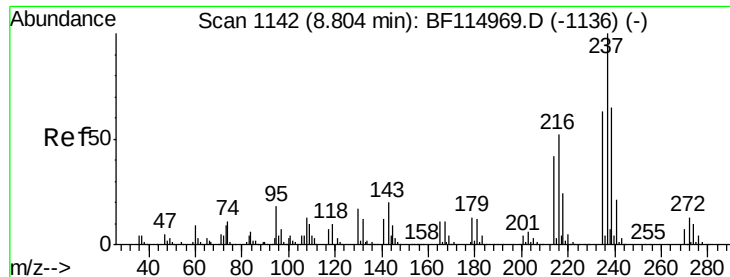
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 4.934 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

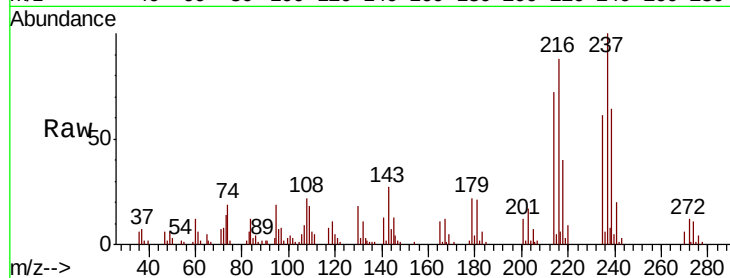
Tot Ion:237 Resp: 39820

Ion Ratio Lower Upper

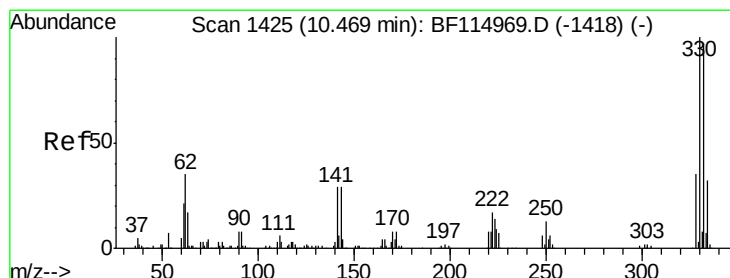
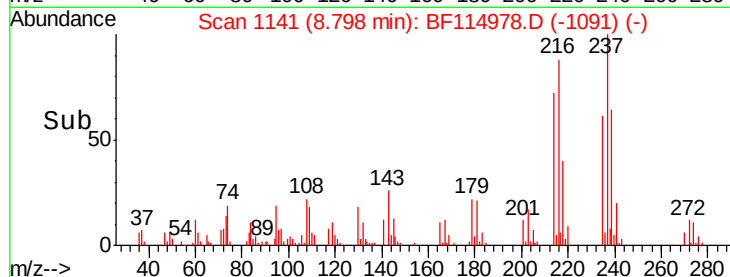
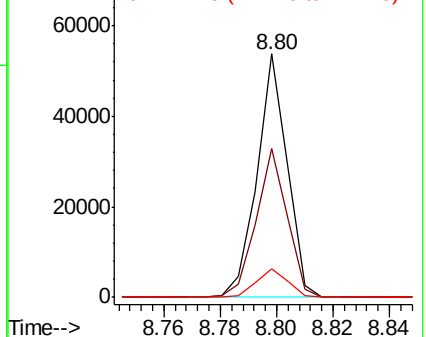
237 100

235 61.2 42.7 82.7

272 11.9 0.0 32.7



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: 106.331 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

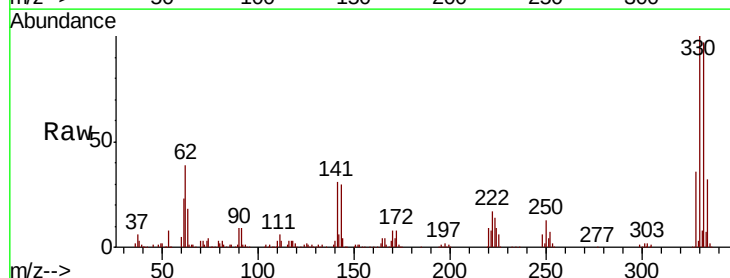
Tgt Ion:330 Resp: 631295

Ion Ratio Lower Upper

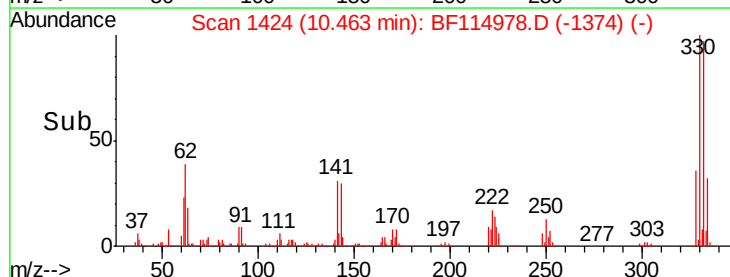
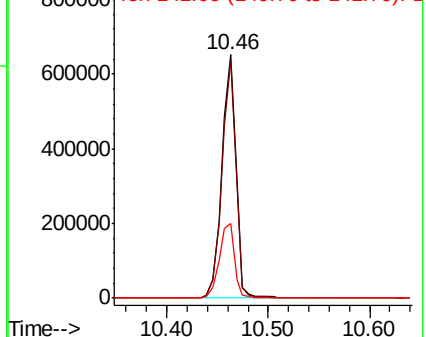
330 100

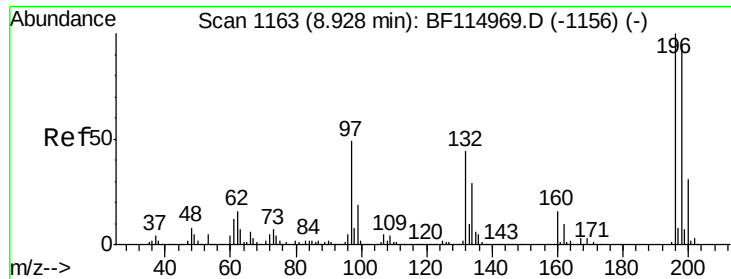
332 96.3 77.6 116.4

141 33.0 27.2 40.8



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

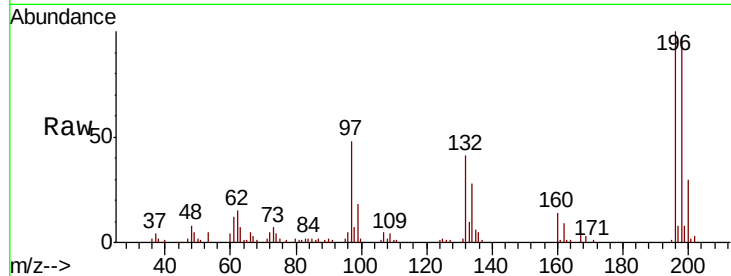




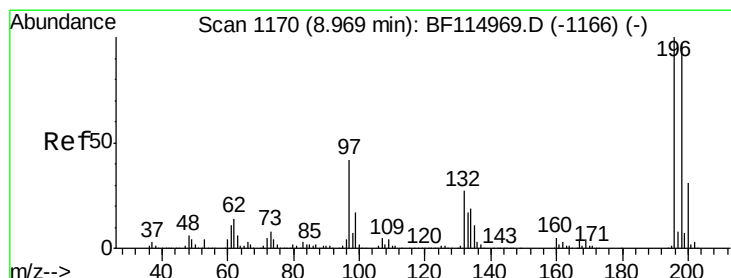
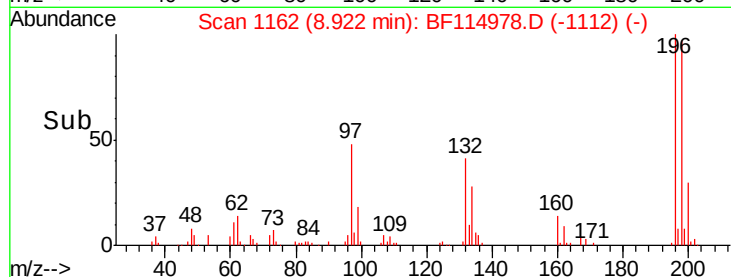
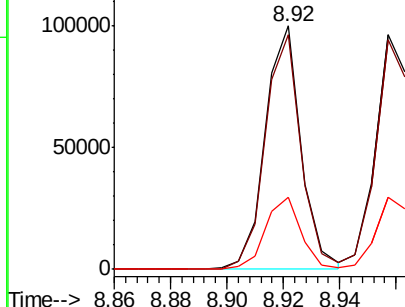
#43
 2,4,6-Trichlorophenol
 Concen: 7.180 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tot Ion:196 Resp: 87842
 Ion Ratio Lower Upper
 196 100
 198 96.5 75.8 113.8
 200 29.5 24.9 37.3



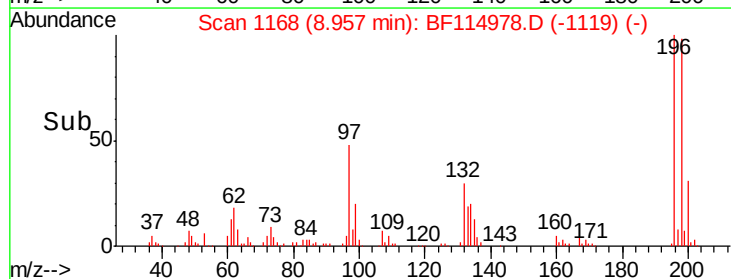
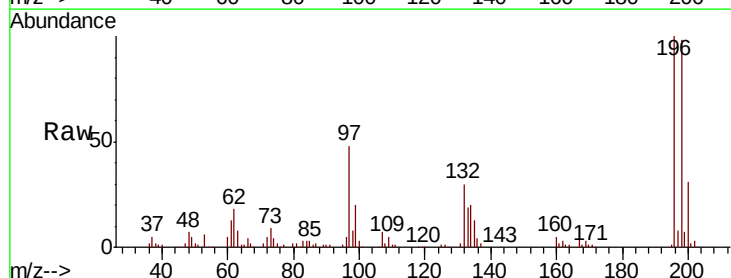
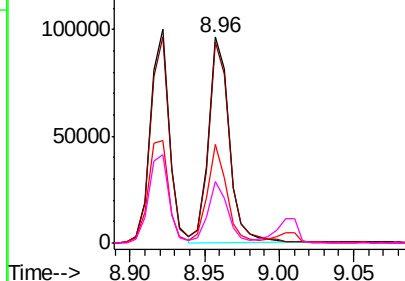
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

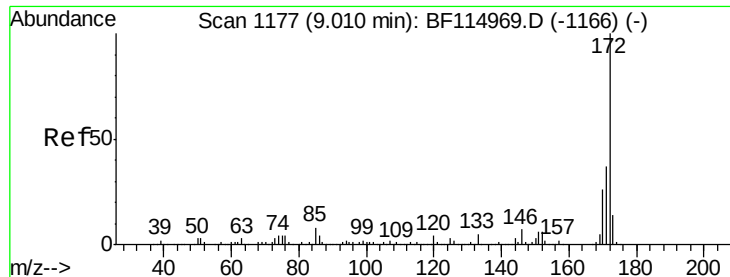


#44
 2,4,5-Trichlorophenol
 Concen: 7.538 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:196 Resp: 93200
 Ion Ratio Lower Upper
 196 100
 198 97.8 77.3 115.9
 97 47.7 34.2 51.4
 132 30.1 22.1 33.1

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

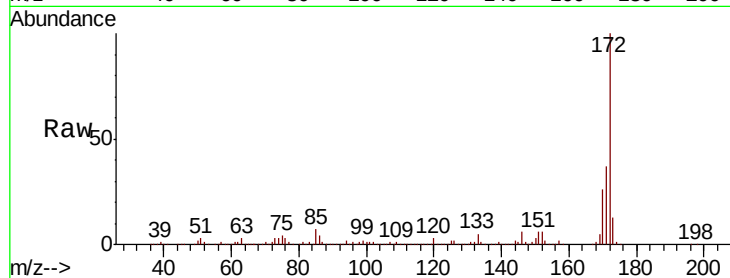




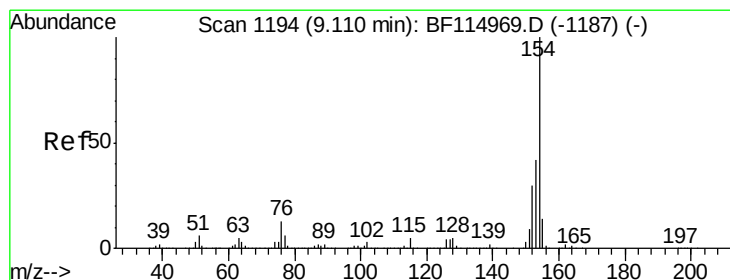
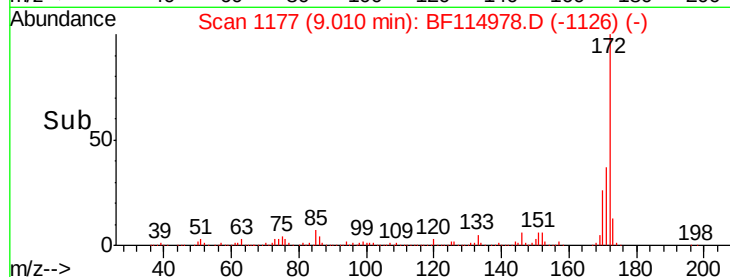
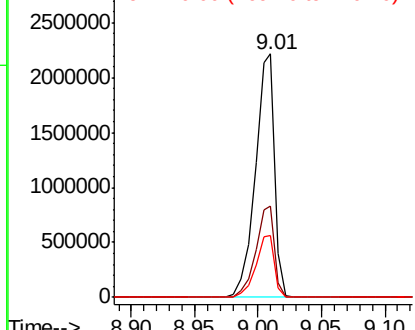
#45
2-Fluorobiphenyl
Concen: 72.175 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:172 Resp: 2361002
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.6 20.6 31.0

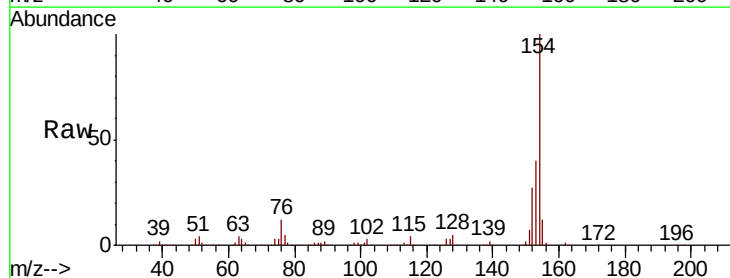


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

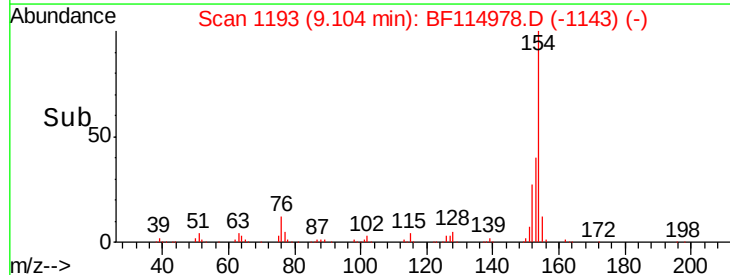
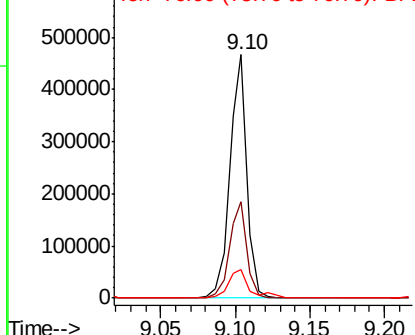


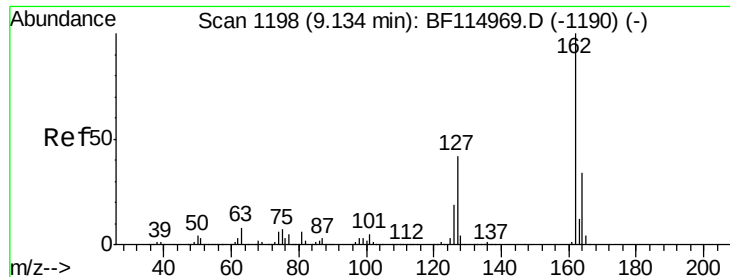
#46
1,1'-Biphenyl
Concen: 8.482 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:154 Resp: 376849
Ion Ratio Lower Upper
154 100
153 39.7 22.4 62.4
76 11.7 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

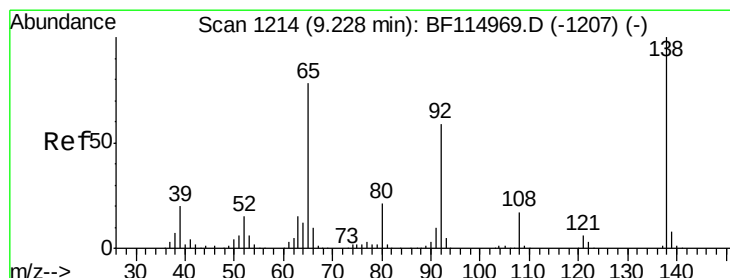
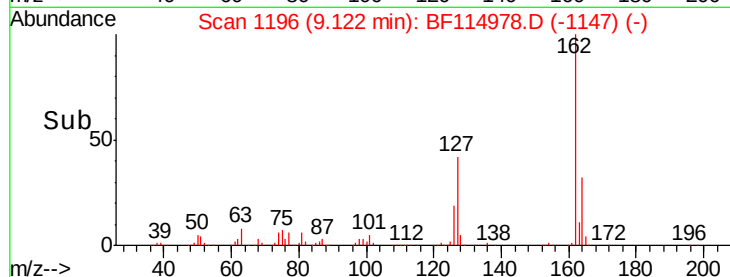
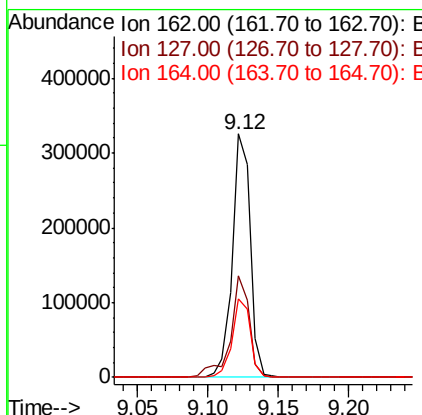
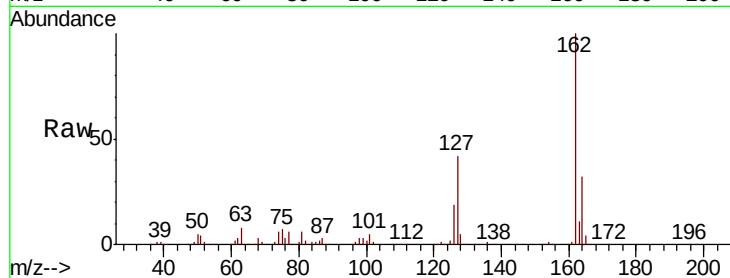




#47
 2-Chloronaphthalene
 Concen: 8.040 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

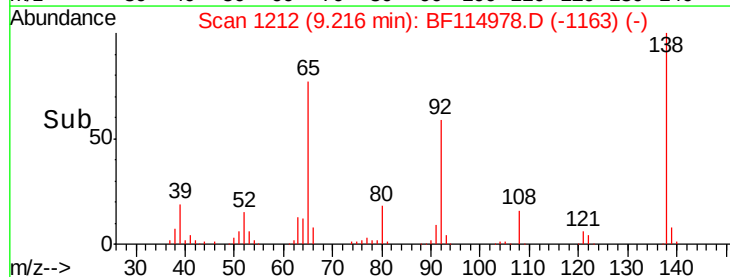
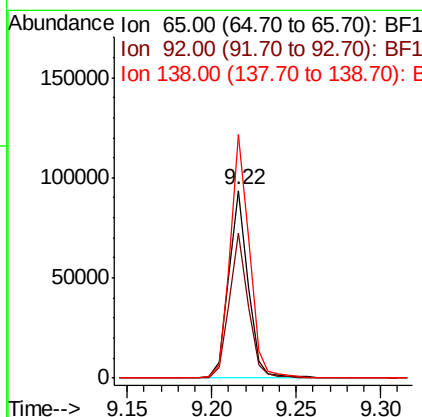
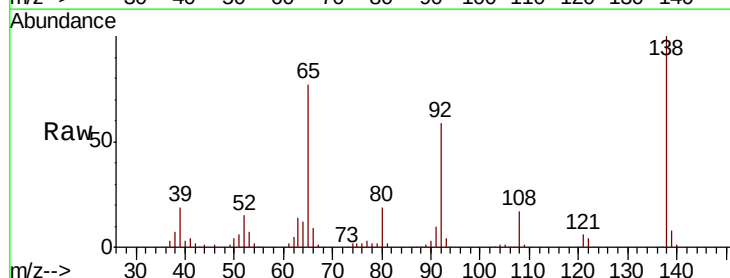
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

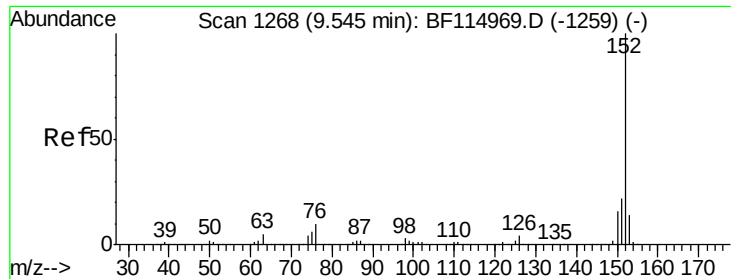
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.2	27.2	40.8



#48
 2-Nitroaniline
 Concen: 7.011 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
65	100		
92	77.1	60.5	90.7
138	130.0	102.0	153.0





#49

Acenaphthylene

Concen: 8.531 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

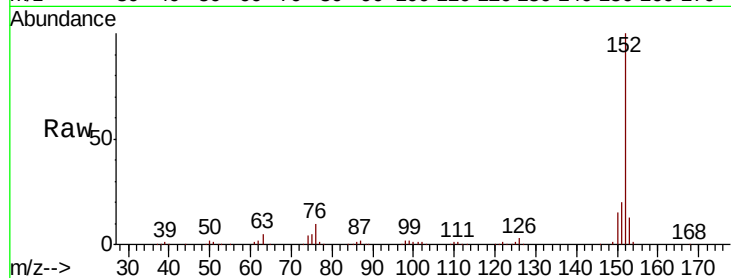
Tot Ion:152 Resp: 471243

Ion Ratio Lower Upper

152 100

151 20.0 17.5 26.3

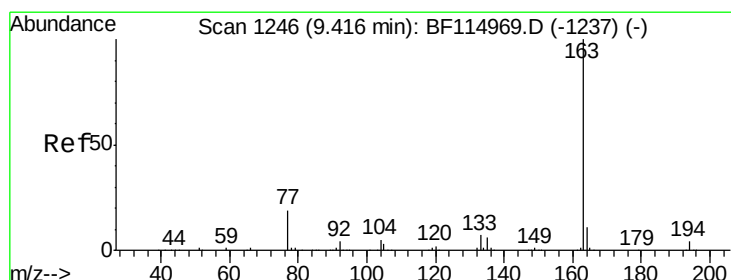
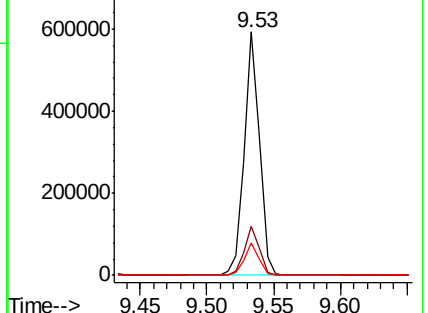
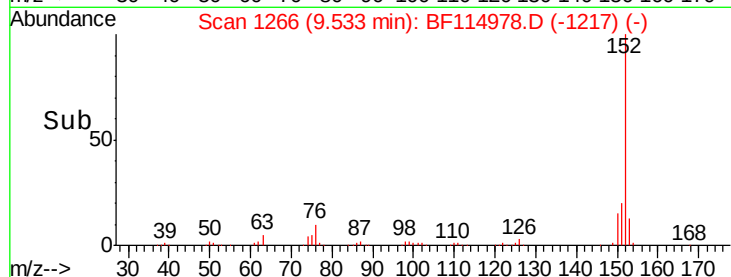
153 13.3 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.889 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

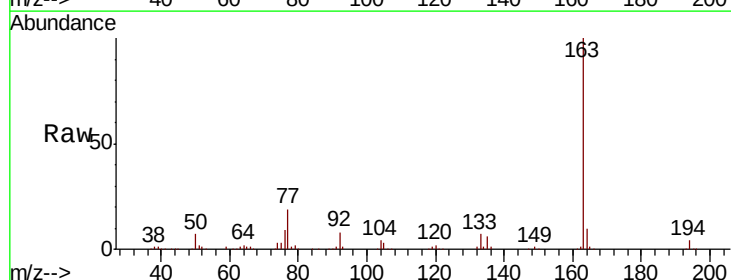
Tgt Ion:163 Resp: 328915

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

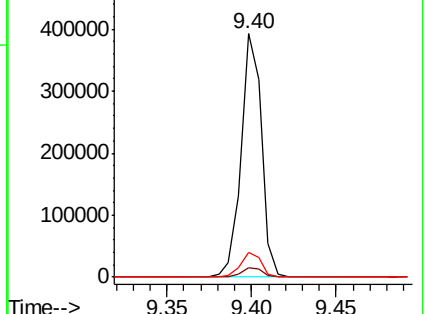
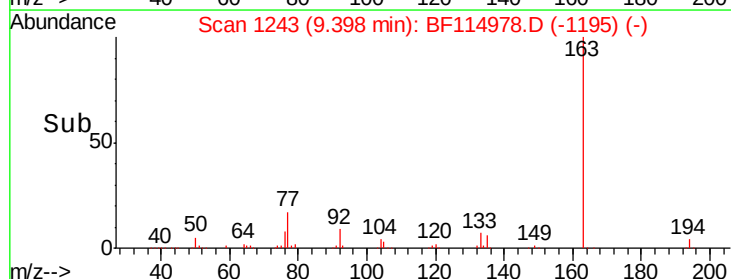
164 10.1 8.6 12.8

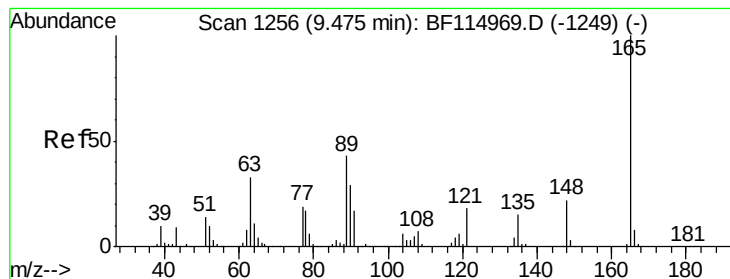


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.702 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

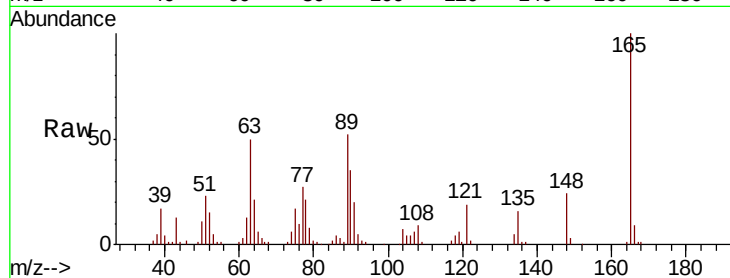
Tot Ion:165 Resp: 72844

Ion Ratio Lower Upper

165 100

63 50.2 30.6 46.0#

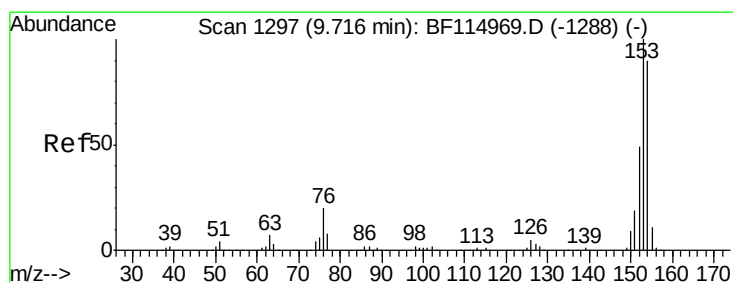
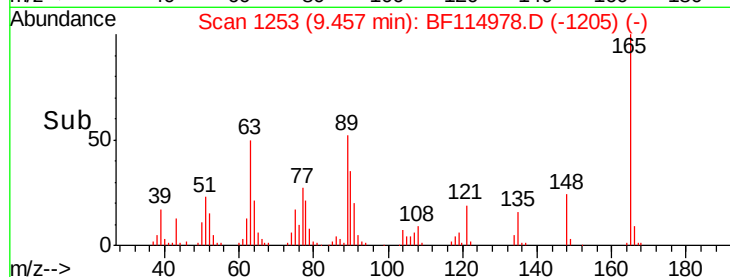
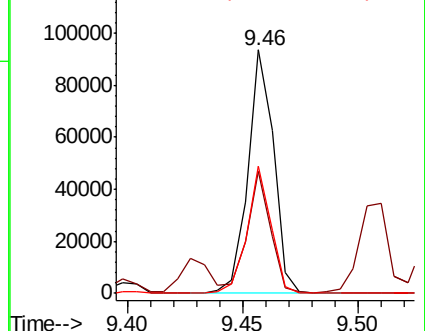
89 52.4 34.4 51.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 8.576 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

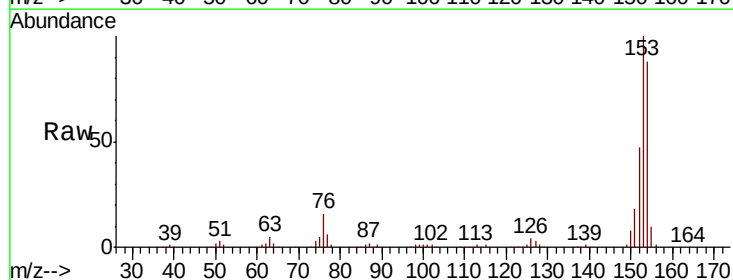
Tgt Ion:154 Resp: 271037

Ion Ratio Lower Upper

154 100

153 113.0 88.5 132.7

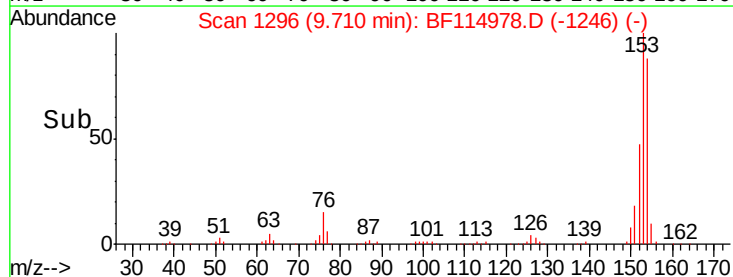
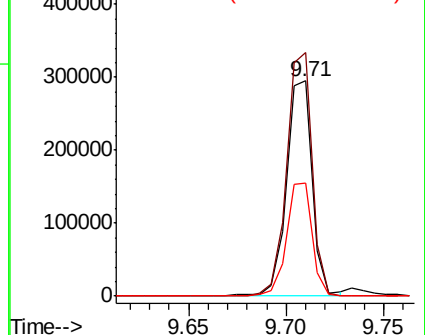
152 52.7 43.6 65.4

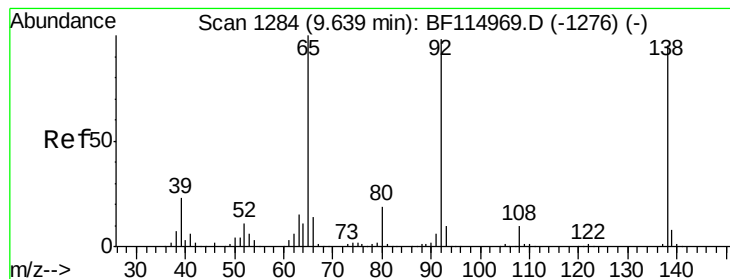


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 7.038 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

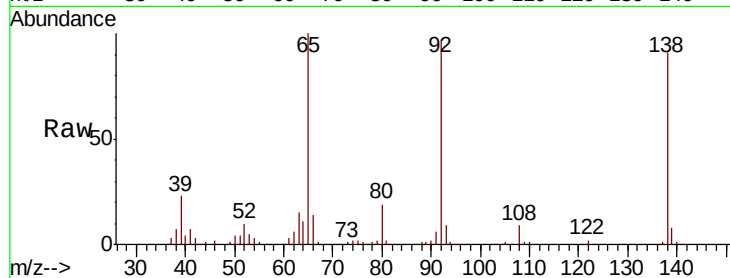
Tot Ion:138 Resp: 81551

Ion Ratio Lower Upper

138 100

108 10.0 8.0 12.0

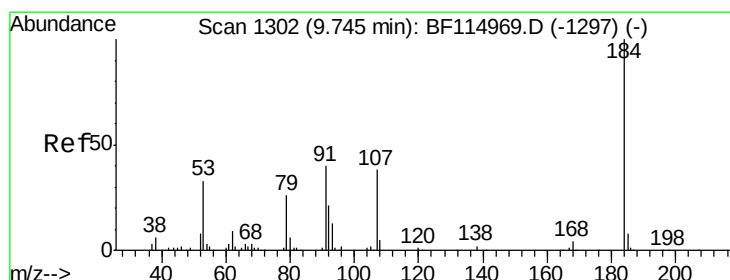
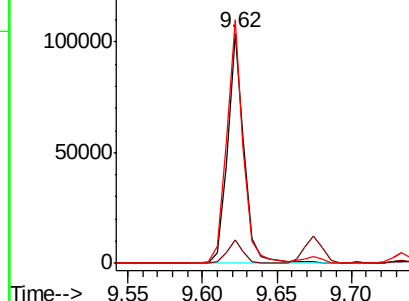
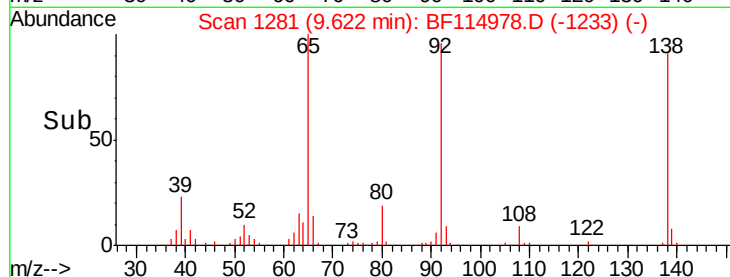
92 105.9 82.4 123.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 4.718 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

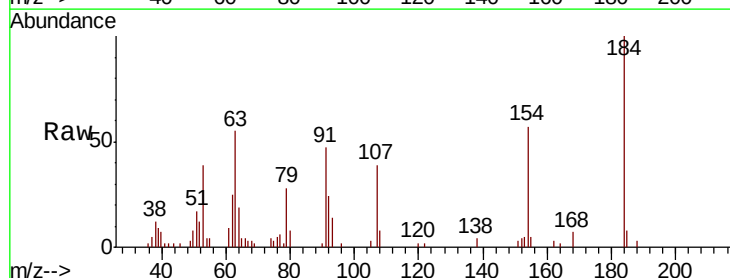
Tgt Ion:184 Resp: 21642

Ion Ratio Lower Upper

184 100

63 54.9 40.5 60.7

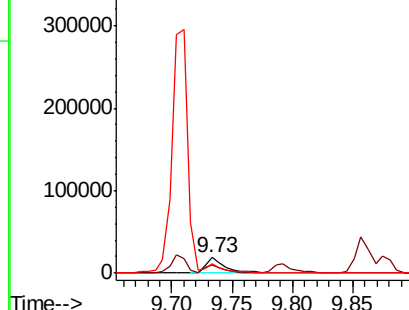
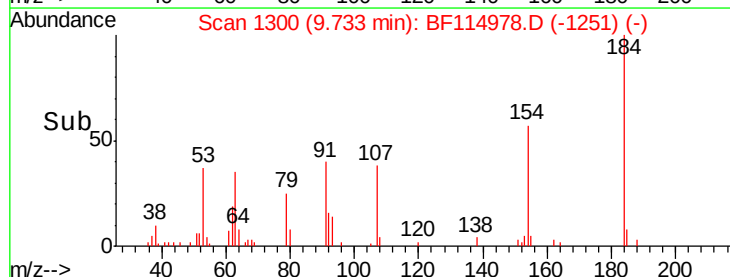
154 57.2 44.8 67.2

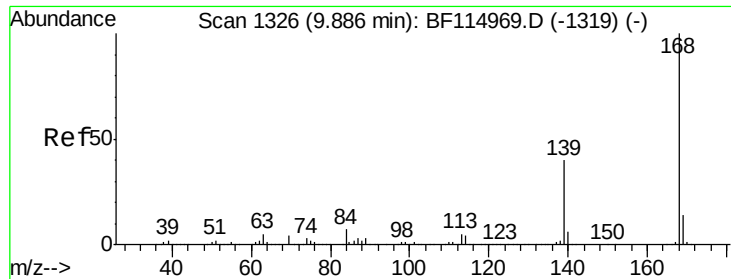


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

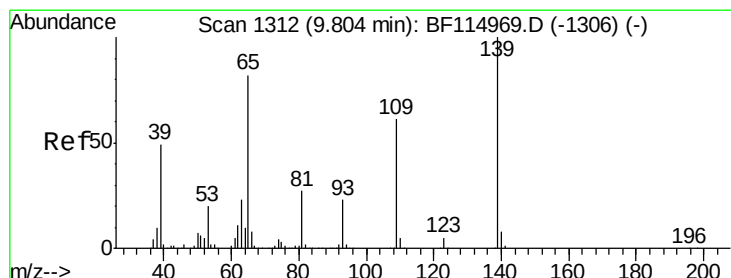
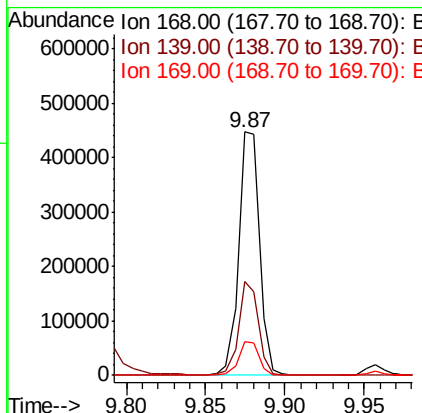
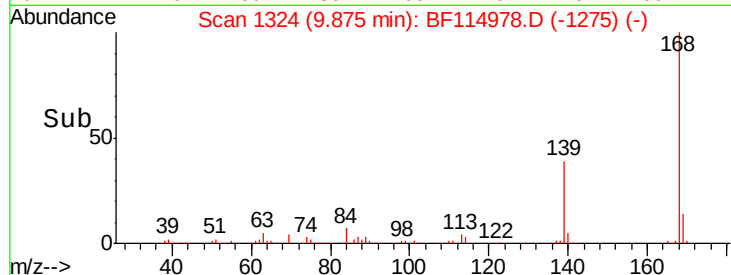
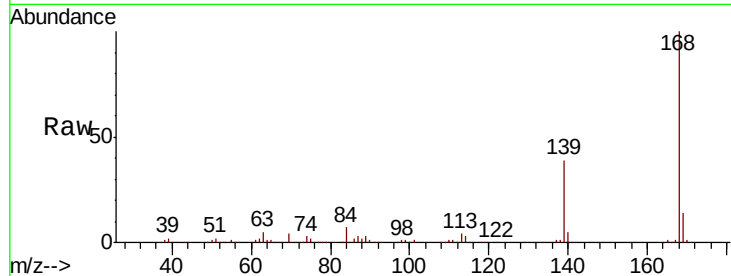




#55
Dibenzenofuran
Concen: 8.582 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

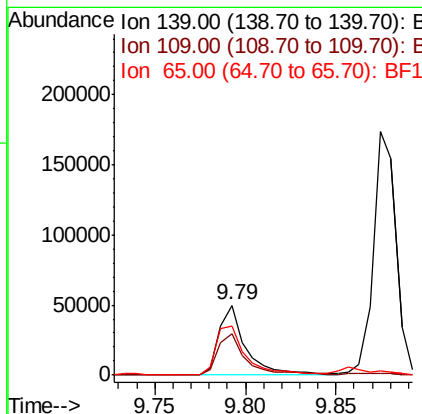
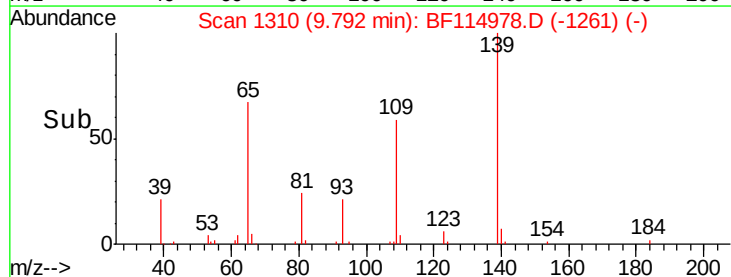
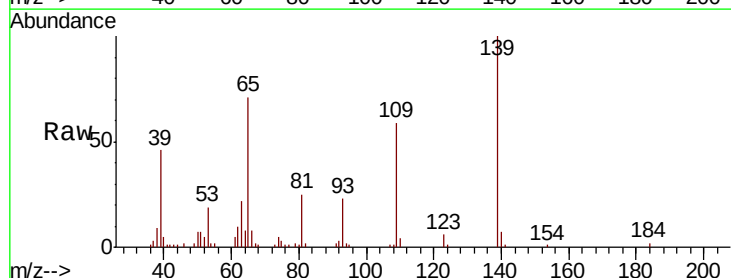
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

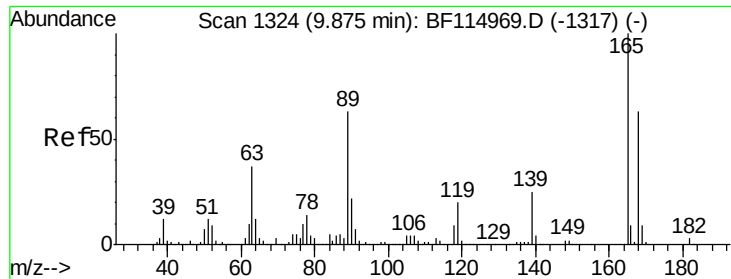
Tot Ion:168 Resp: 408736
Ion Ratio Lower Upper
168 100
139 38.8 32.5 48.7
169 13.8 11.5 17.3



#56
4-Nitrophenol
Concen: 6.474 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:139 Resp: 51733
Ion Ratio Lower Upper
139 100
109 59.2 41.4 81.4
65 70.9 62.7 102.7

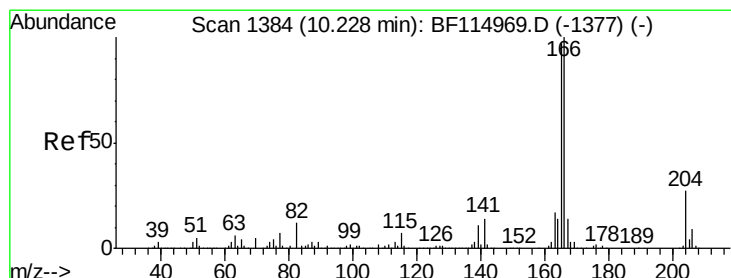
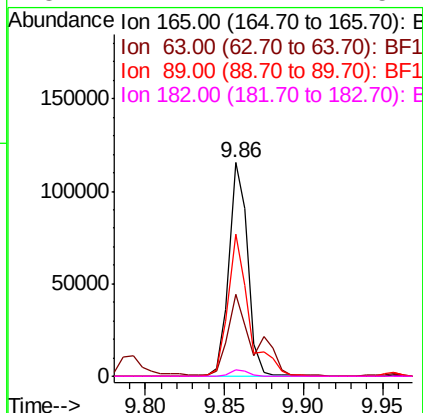
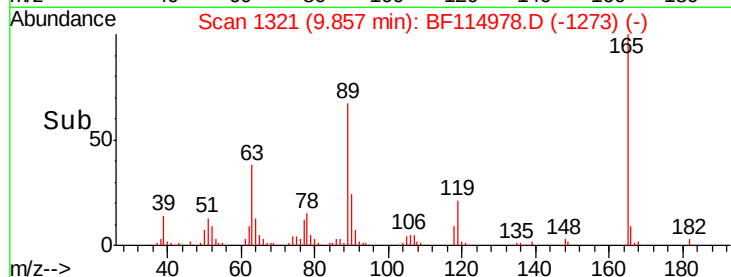
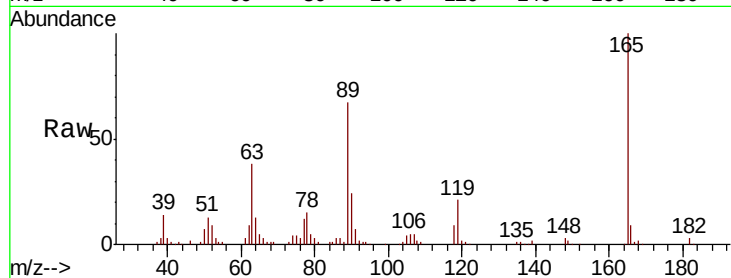




#57
 2,4-Dinitrotoluene
 Concen: 7.916 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

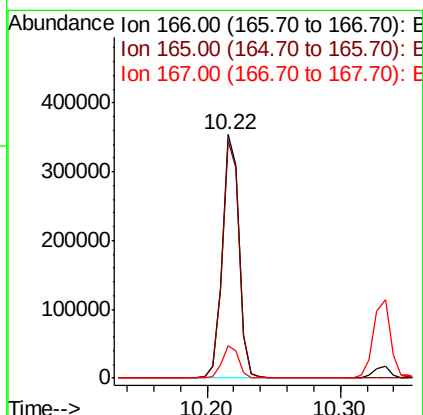
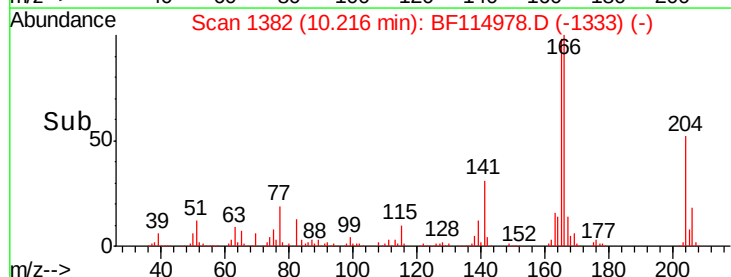
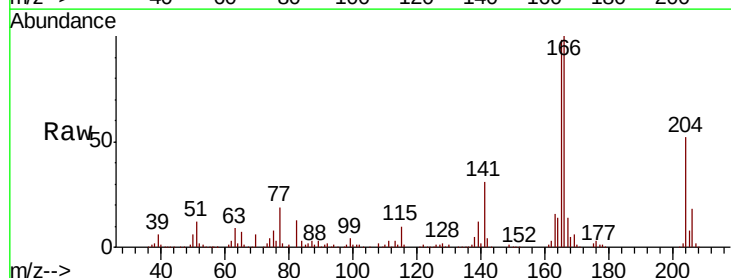
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

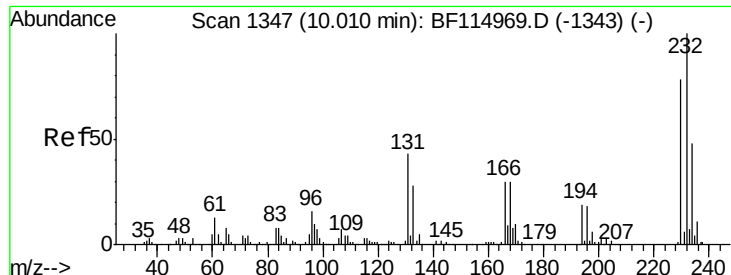
Tot Ion:165	Resp:	95295
Ion Ratio	Lower	Upper
165	100	
63	38.3	29.4 44.2
89	66.7	50.6 75.8
182	2.7	2.2 3.2



#58
 Fluorene
 Concen: 8.996 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:166	Resp:	313399
Ion Ratio	Lower	Upper
166	100	
165	97.6	77.6 116.4
167	13.5	11.0 16.4

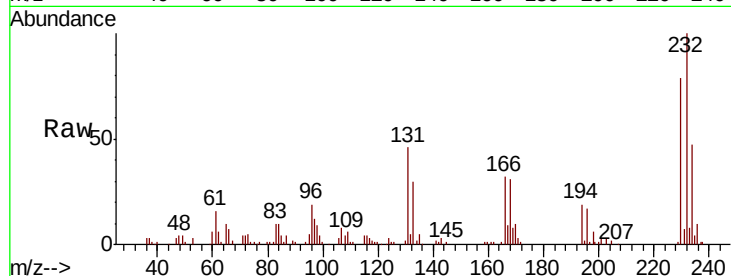




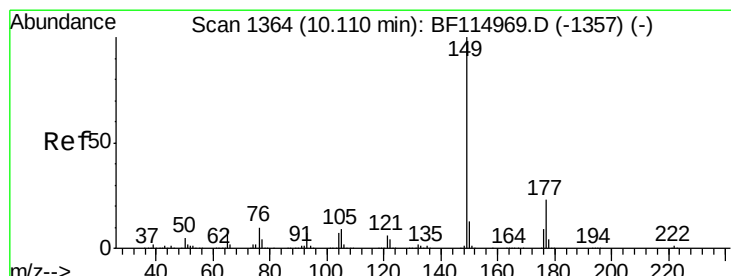
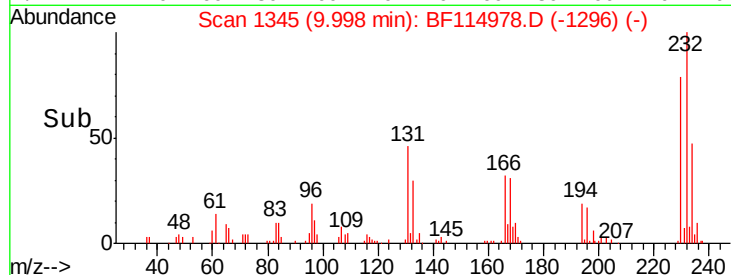
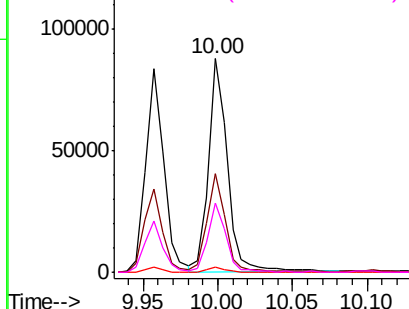
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.575 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:232 Resp: 75646
Ion Ratio Lower Upper
232 100
131 47.1 36.9 55.3
130 2.2 1.8 2.6
166 31.7 24.8 37.2

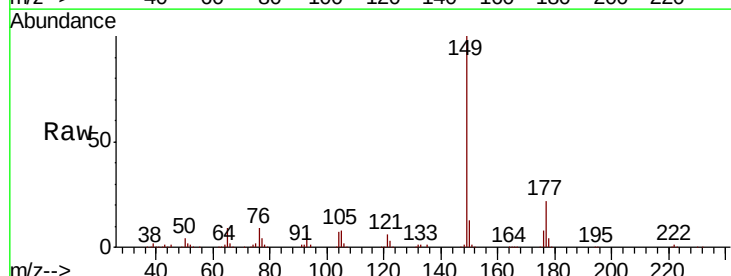


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

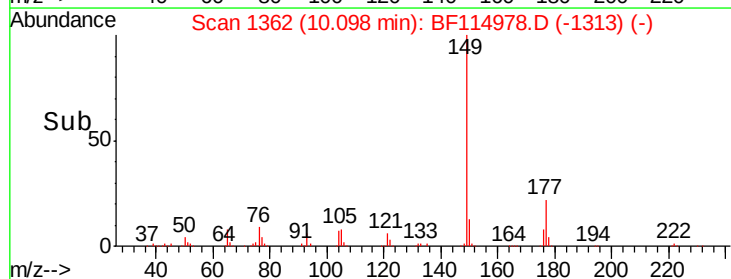
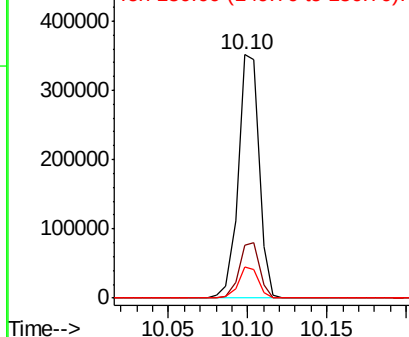


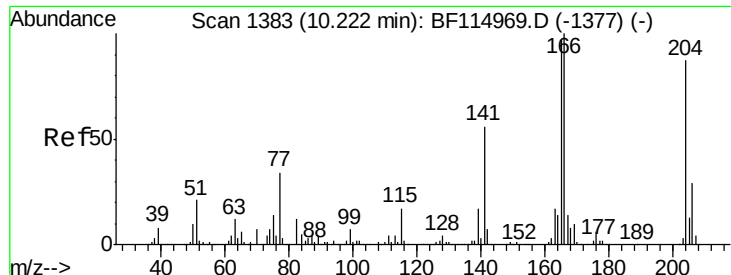
#60
Diethylphthalate
Concen: 8.065 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:149 Resp: 321531
Ion Ratio Lower Upper
149 100
177 22.0 18.6 27.8
150 12.7 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

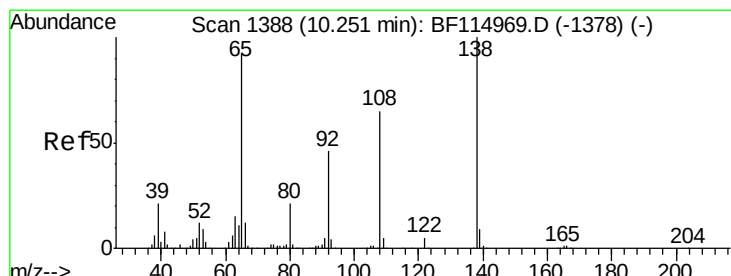
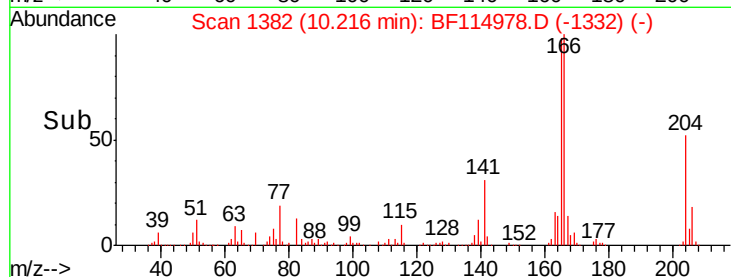
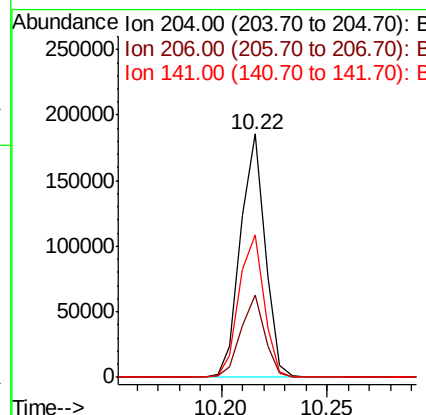
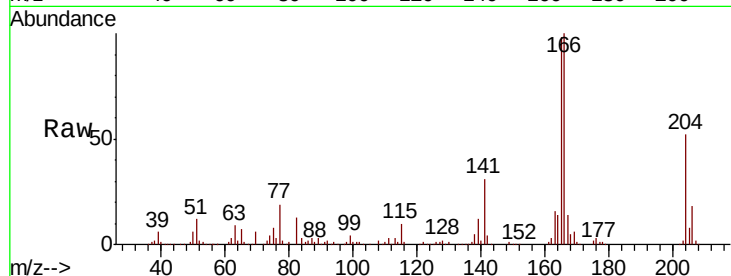




#61
 4-Chlorophenyl-phenylether
 Concen: 8.690 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

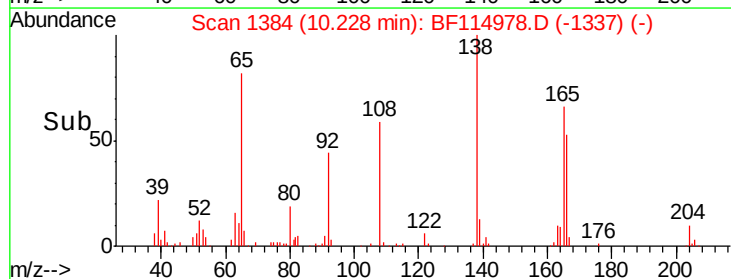
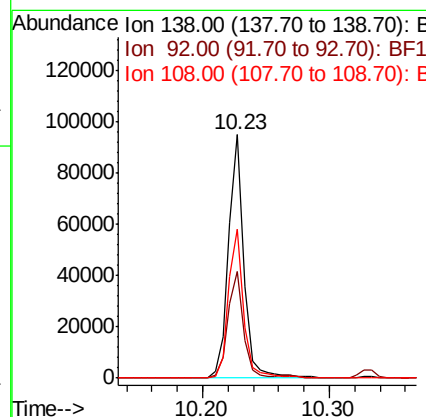
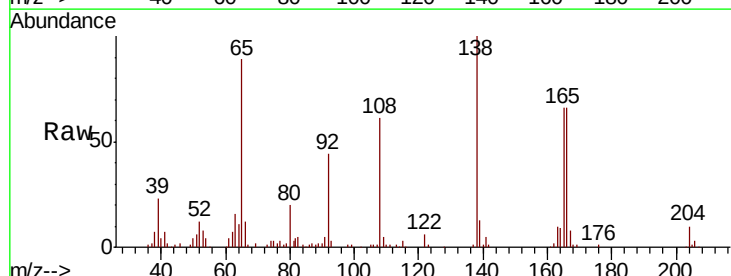
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

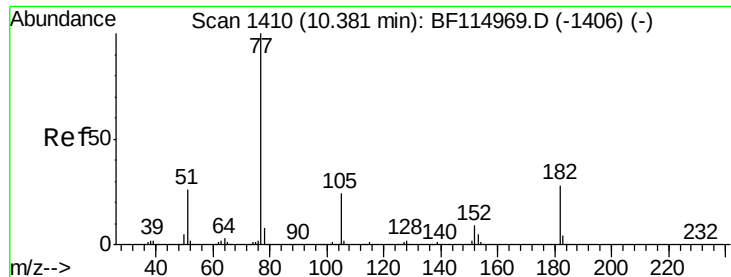
Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.5	39.7
141	58.5	51.8	77.8



#62
 4-Nitroaniline
 Concen: 6.940 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.6	25.7	65.7
108	61.3	44.6	84.6





#63

Azobenzene

Concen: 8.263 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 77 Resp: 288185

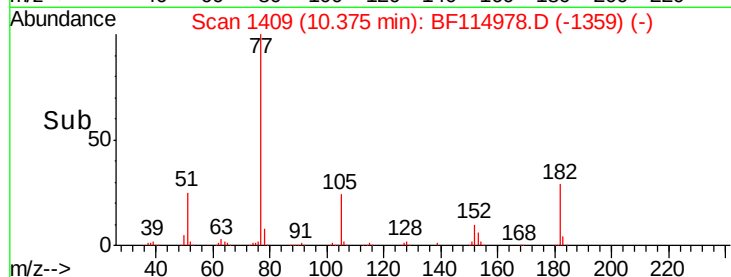
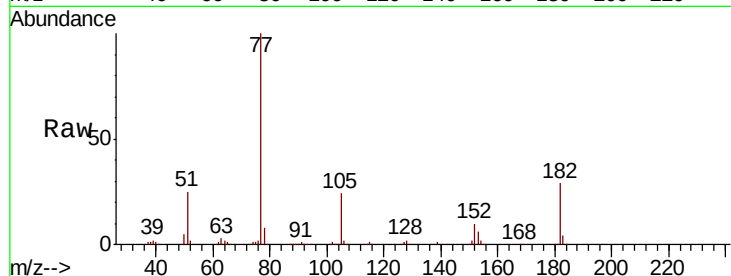
Ion Ratio Lower Upper

77 100

182 28.8 7.4 47.4

105 23.9 4.2 44.2

51 25.1 6.2 46.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

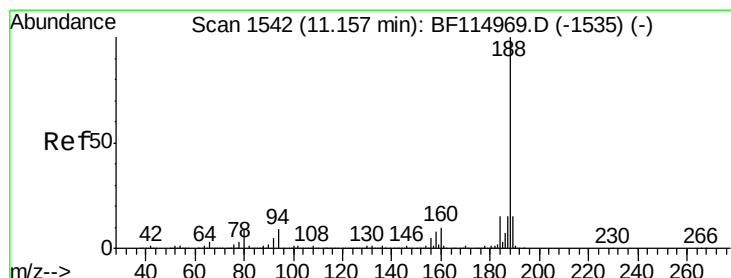
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Time-->

10.35 10.40 10.45



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

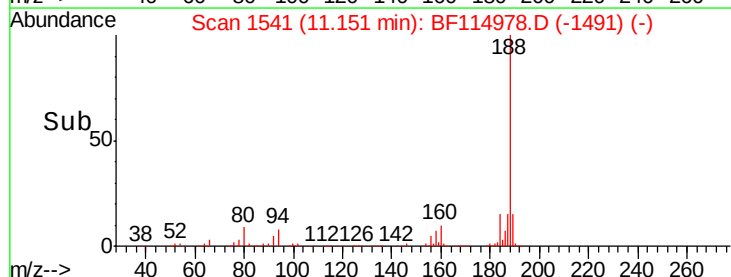
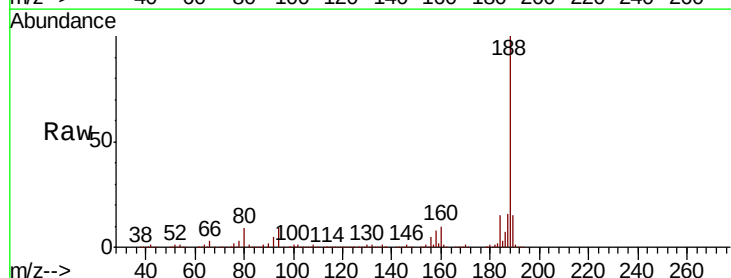
Tgt Ion: 188 Resp: 1087696

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 9.5 7.4 11.2



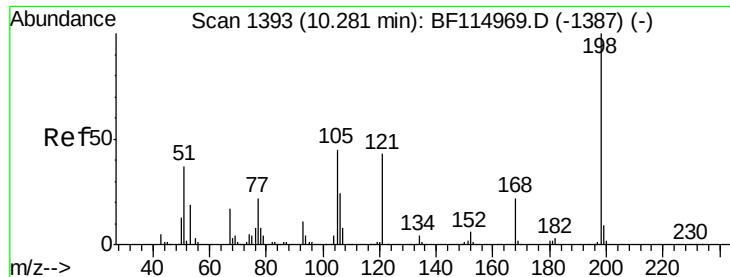
Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->

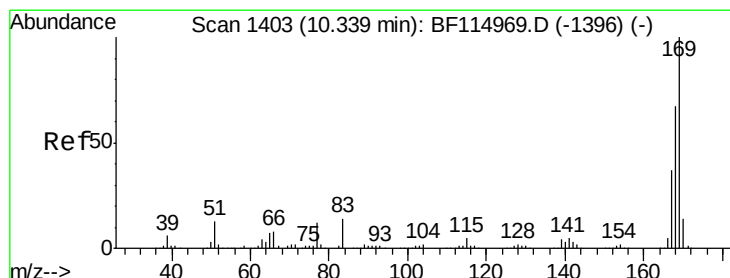
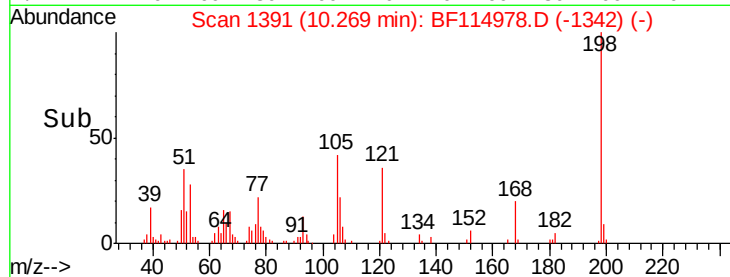
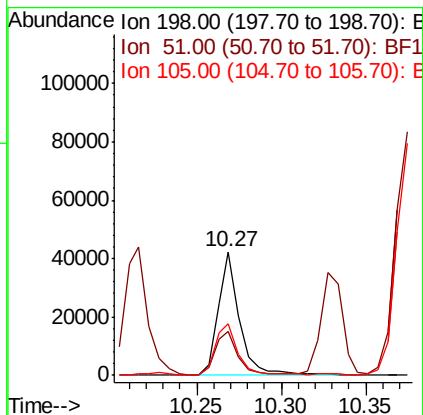
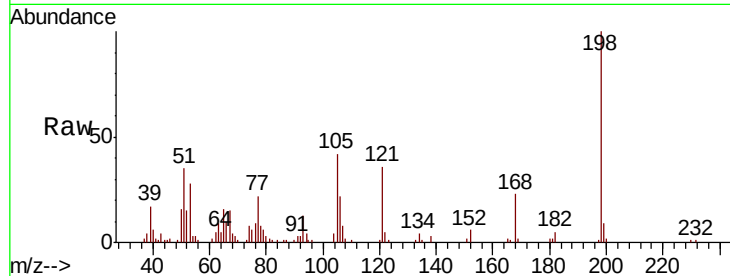
11.10 11.15 11.20



#65
4,6-Dinitro-2-methylphenol
Concen: 6.148 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

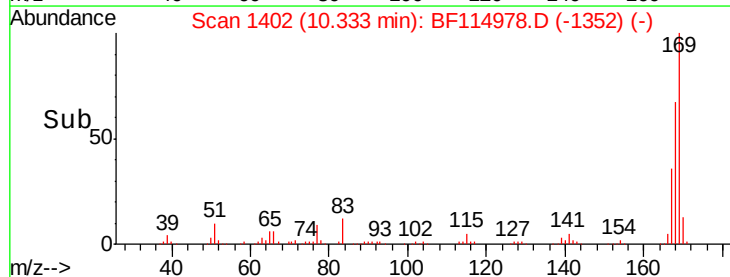
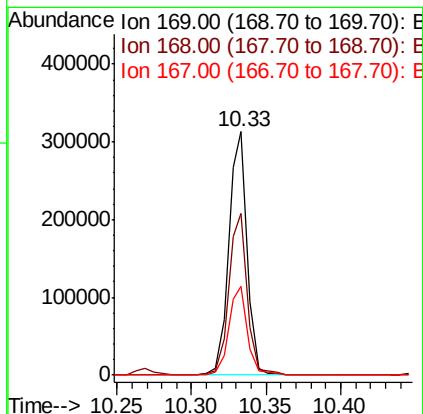
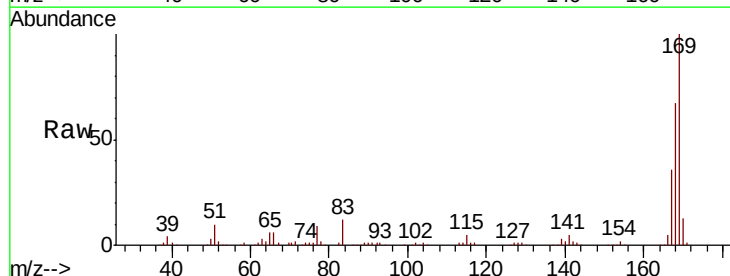
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

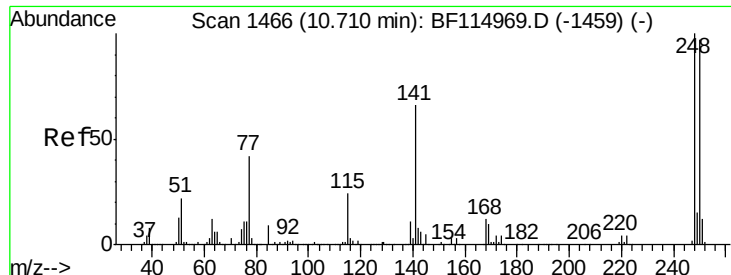
Tot Ion:198 Resp: 37480
Ion Ratio Lower Upper
198 100
51 35.2 23.0 63.0
105 41.8 26.5 66.5



#66
n-Nitrosodiphenylamine
Concen: 8.375 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:169 Resp: 272313
Ion Ratio Lower Upper
169 100
168 66.5 53.6 80.4
167 36.4 29.6 44.4





#67

4-Bromophenyl-phenylether

Concen: 7.917 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

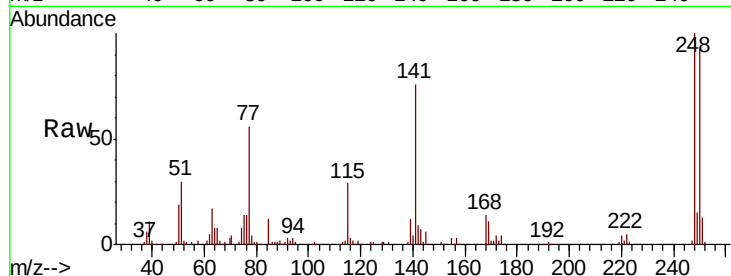
Tot Ion:248 Resp: 92460

Ion Ratio Lower Upper

248 100

250 92.6 77.8 116.8

141 76.2 53.1 79.7

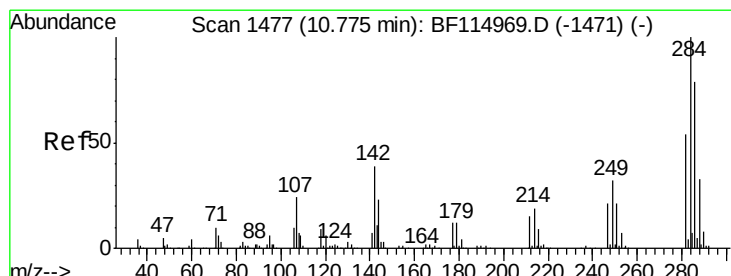
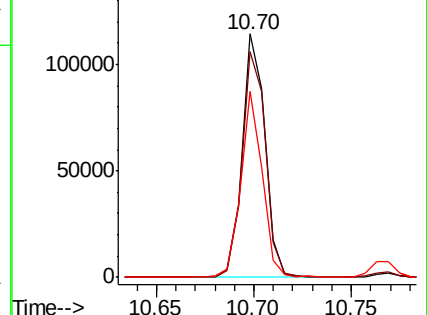
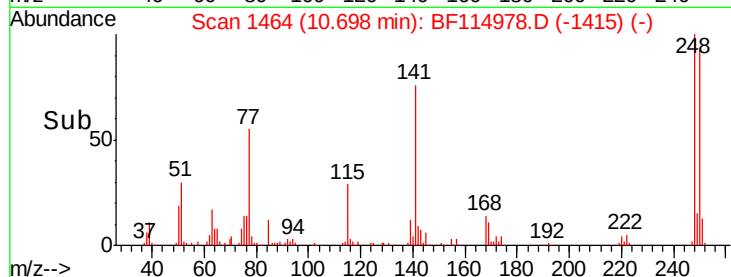


Abundance

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: 7.782 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

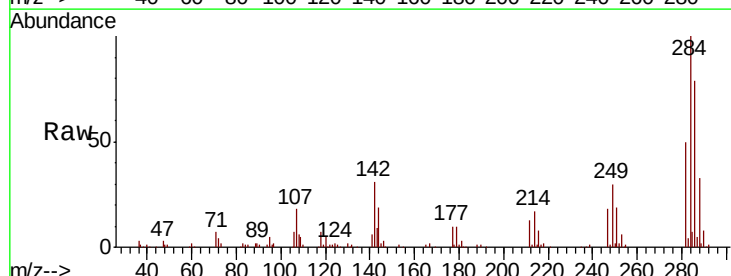
Tgt Ion:284 Resp: 100060

Ion Ratio Lower Upper

284 100

142 31.5 31.5 47.3#

249 29.7 25.6 38.4

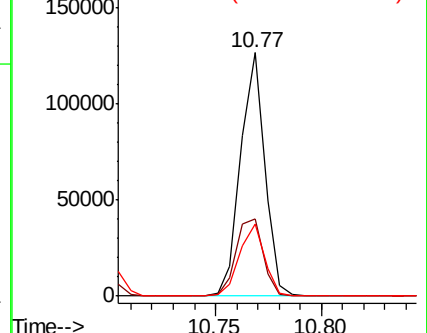
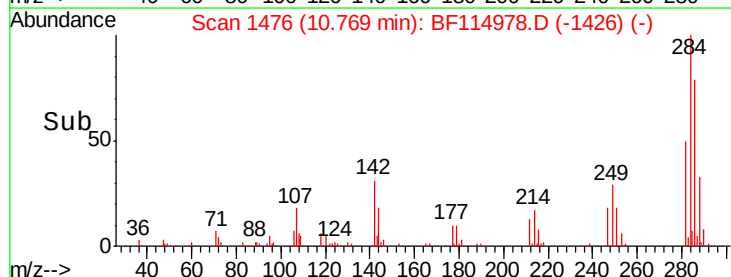


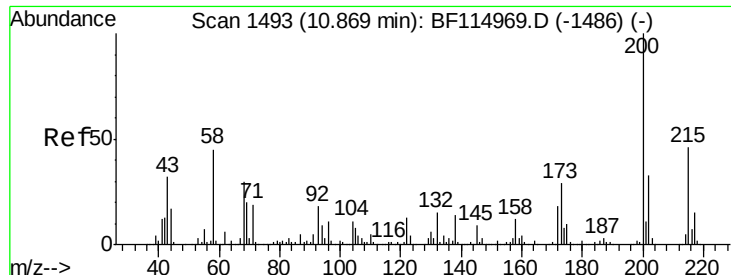
Abundance

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

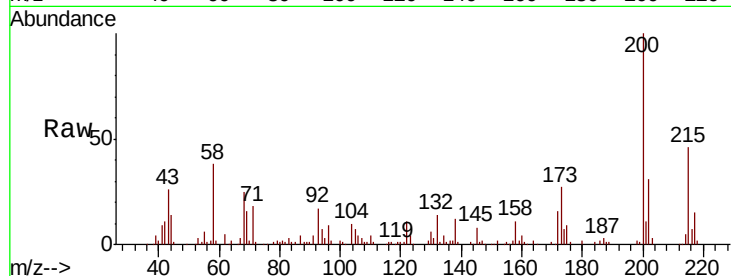




#69
Atrazine
Concen: 8.064 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	9.0	49.0
215	45.9	26.5	66.5

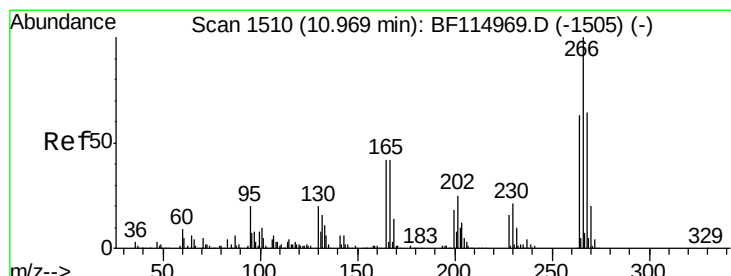
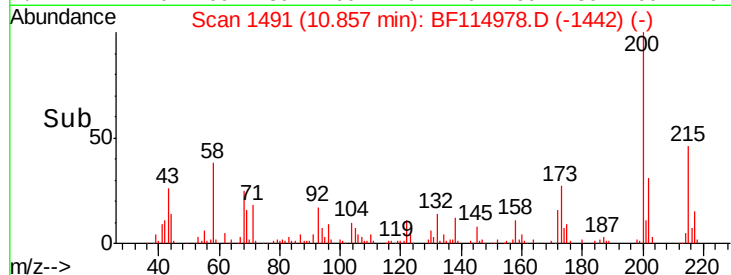
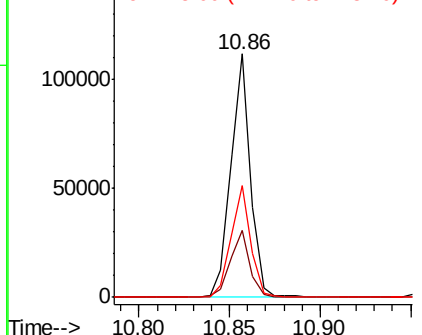


Abundance

Ion 200.00 (199.70 to 200.70): E

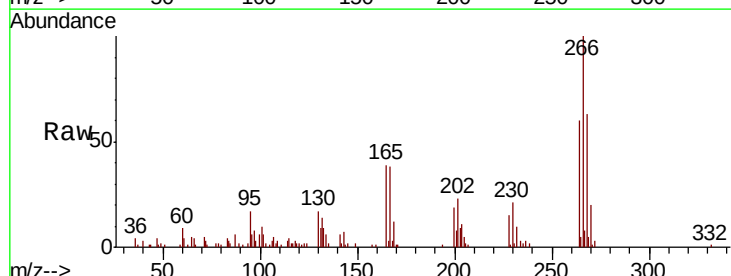
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 6.202 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.4	77.2
264	60.3	50.3	75.5

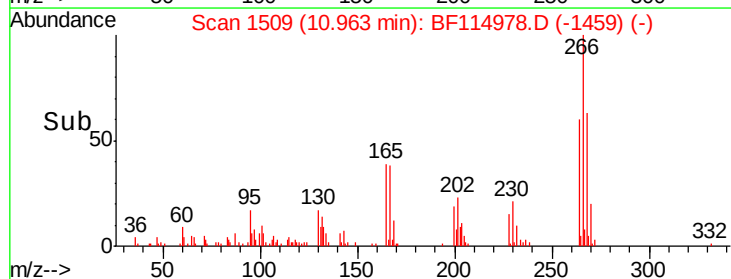
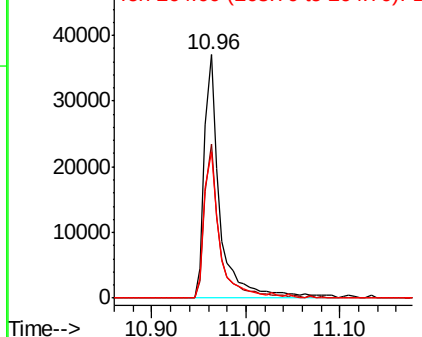


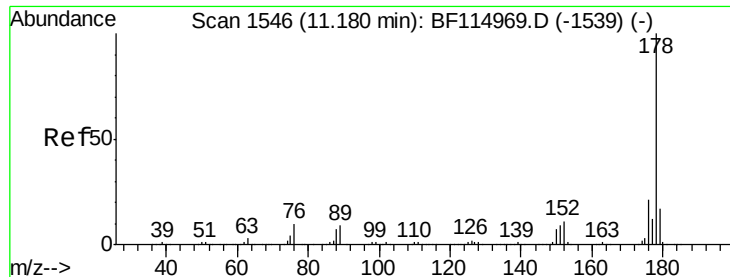
Abundance

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

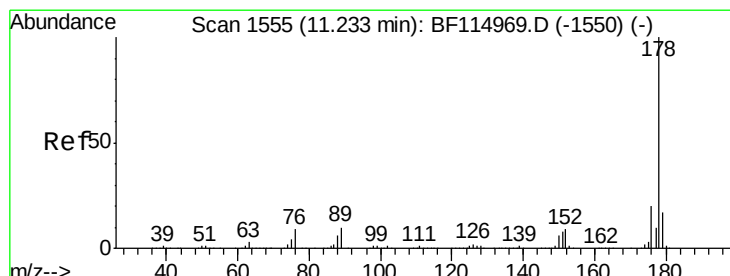
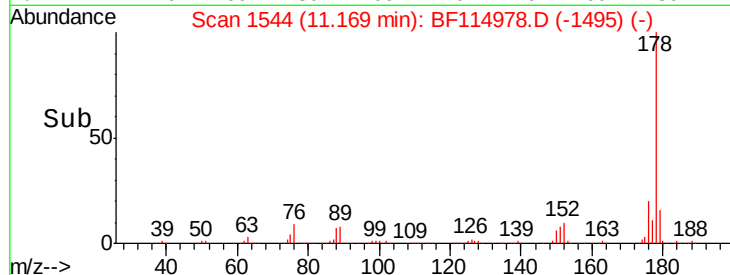
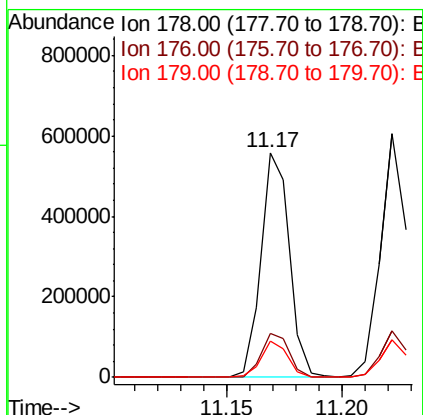
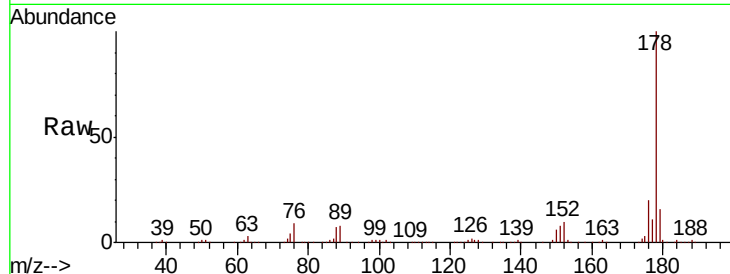




#71
Phenanthrene
Concen: 8.558 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

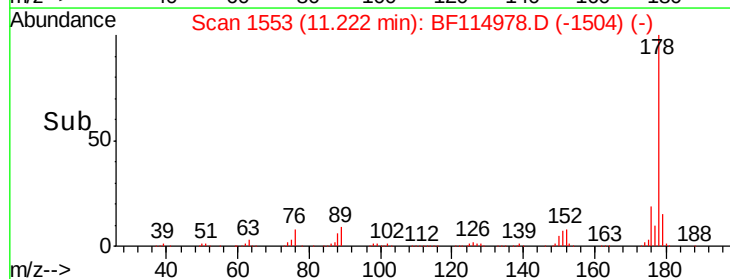
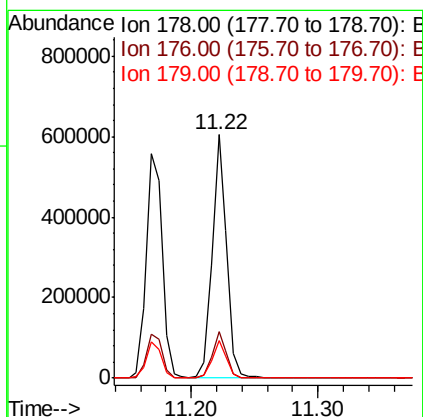
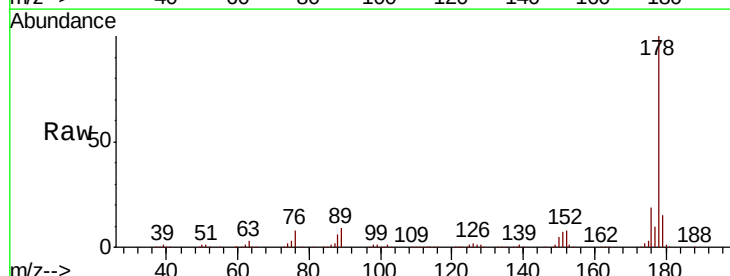
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

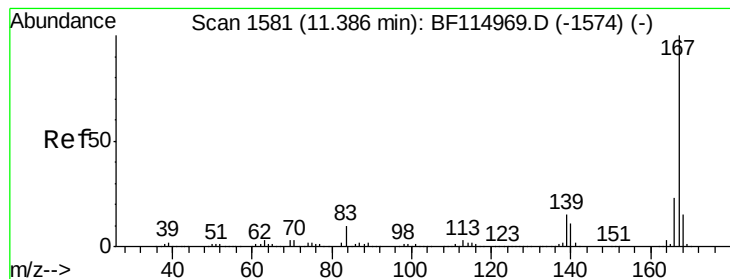
Tot Ion:178 Resp: 480584
Ion Ratio Lower Upper
178 100
176 19.8 16.9 25.3
179 16.1 13.4 20.0



#72
Anthracene
Concen: 8.614 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:178 Resp: 488050
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.4 13.2 19.8





#73

Carbazole

Concen: 8.806 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

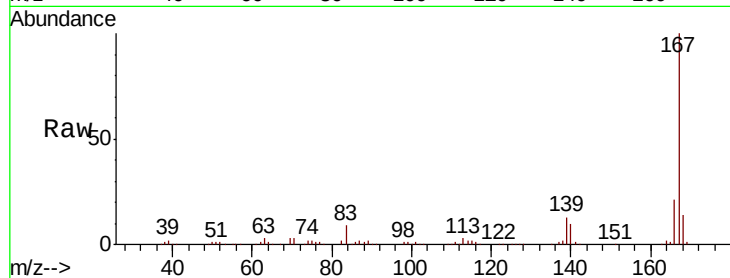
Tot Ion:167 Resp: 435467

Ion Ratio Lower Upper

167 100

166 21.0 18.5 27.7

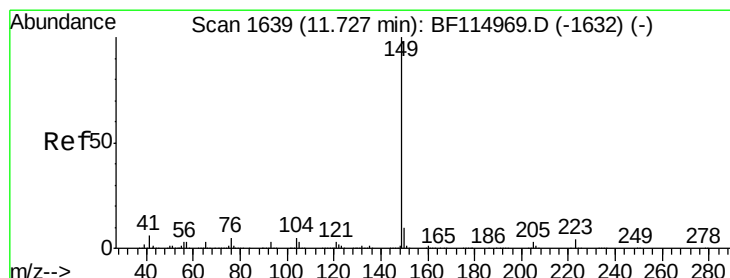
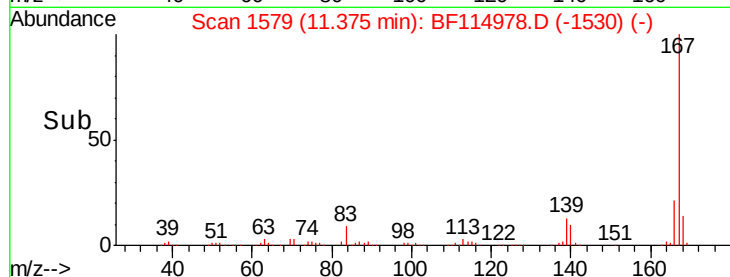
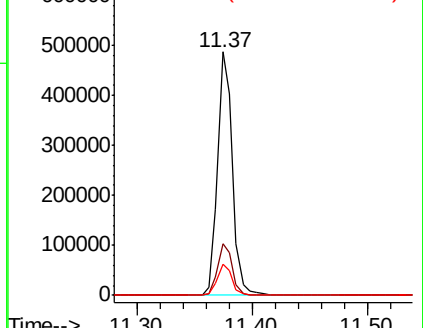
139 13.0 12.0 18.0



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: 8.161 ng

RT: 11.72 min Scan# 1638

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

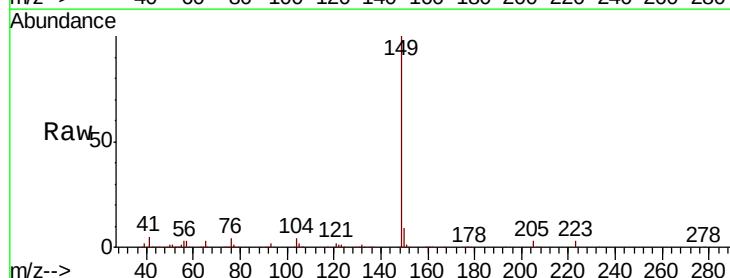
Tgt Ion:149 Resp: 508742

Ion Ratio Lower Upper

149 100

150 9.3 8.1 12.1

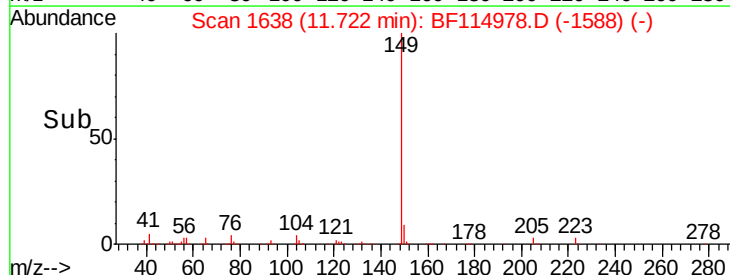
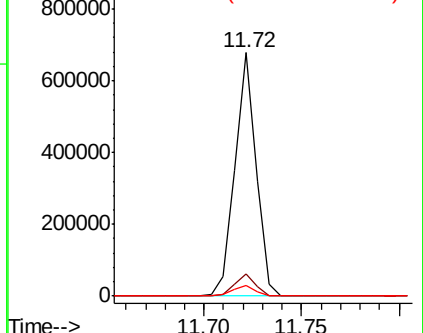
104 4.2 4.0 6.0

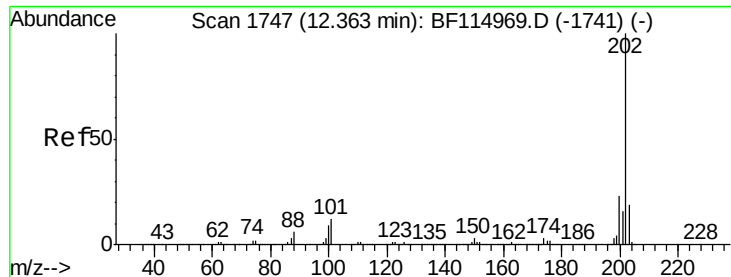


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.540 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

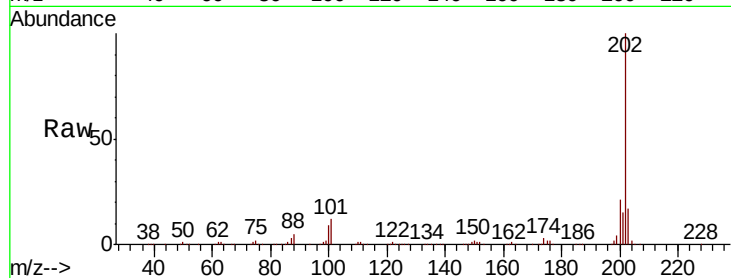
Tot Ion: 202 Resp: 490433

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.4

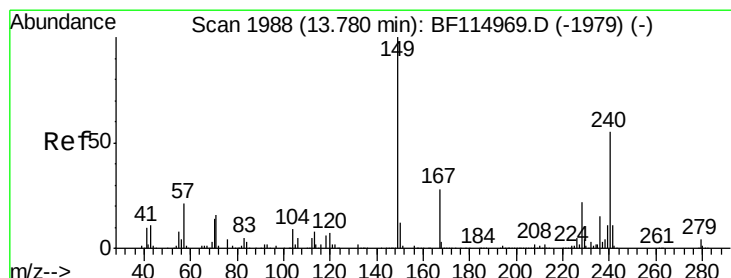
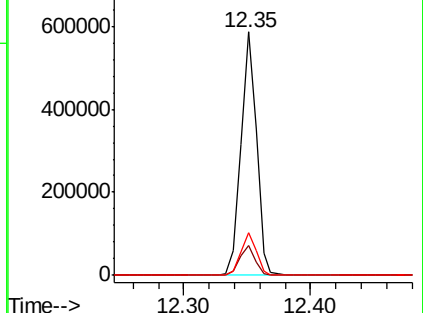
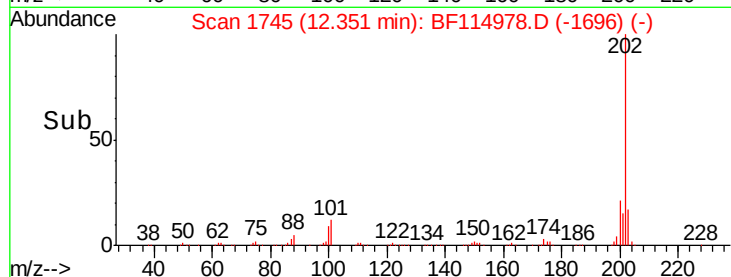
203 17.4 0.0 38.6



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

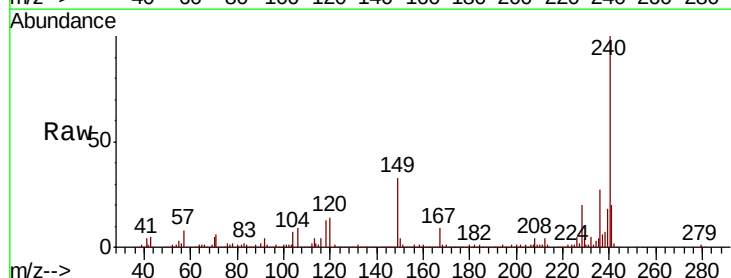
Tgt Ion: 240 Resp: 784425

Ion Ratio Lower Upper

240 100

120 13.8 10.0 15.0

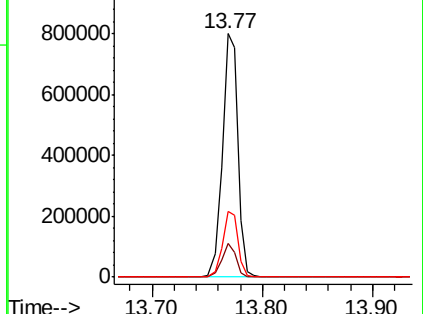
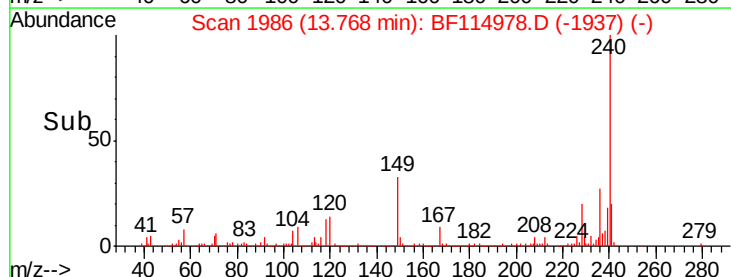
236 26.8 21.6 32.4

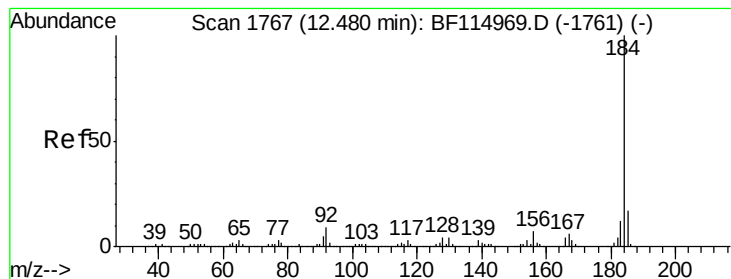


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.867 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

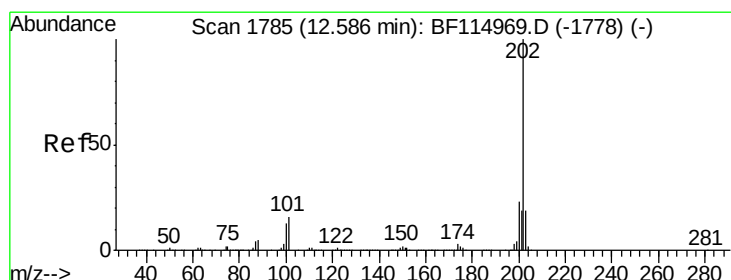
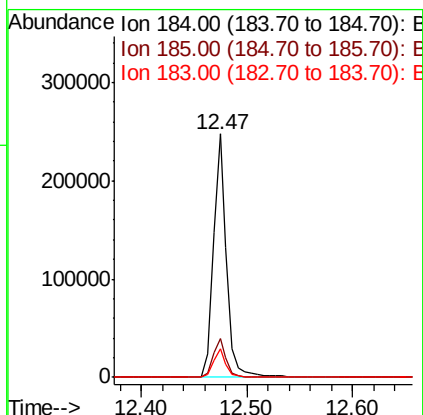
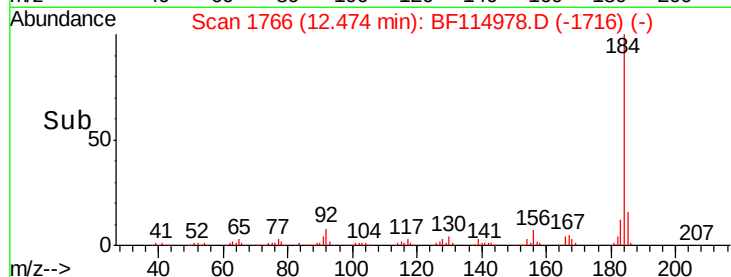
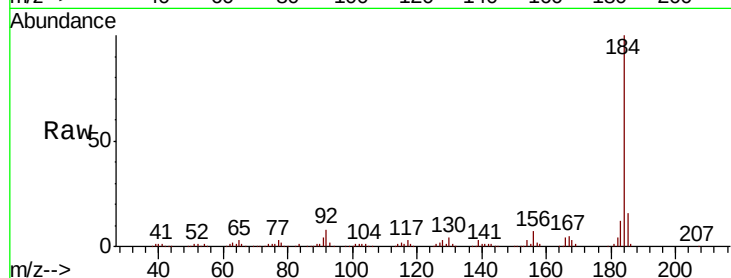
Tot Ion:184 Resp: 217863

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

183 11.5 9.8 14.6



#78

Pyrene

Concen: 7.073 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

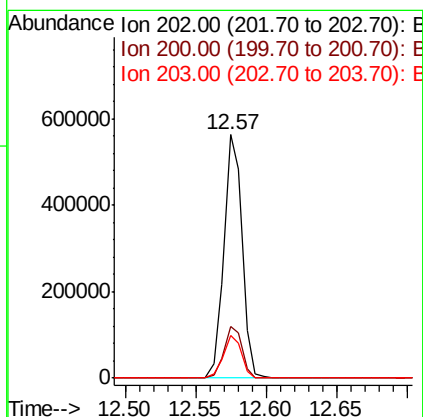
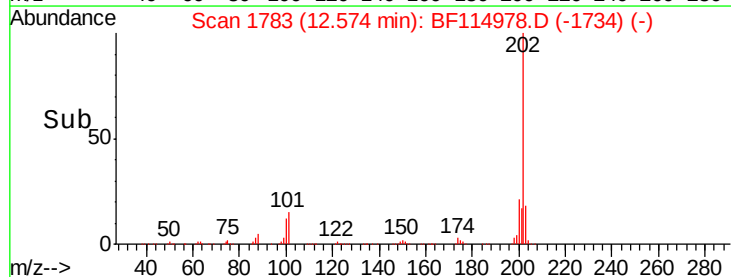
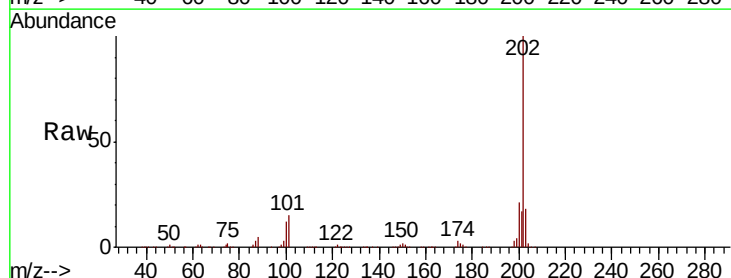
Tgt Ion:202 Resp: 505448

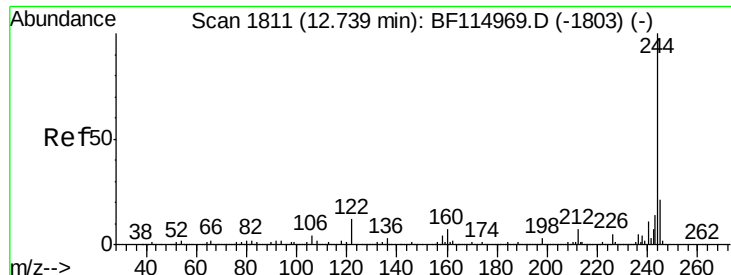
Ion Ratio Lower Upper

202 100

200 21.1 18.4 27.6

203 17.6 14.9 22.3



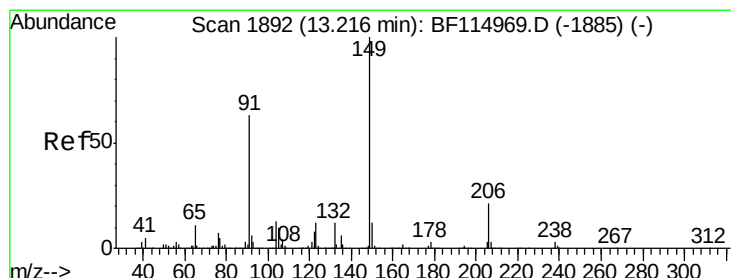
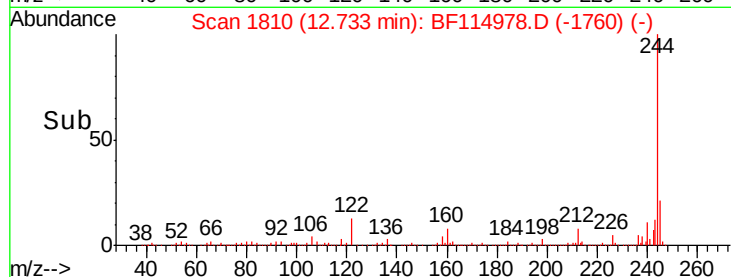
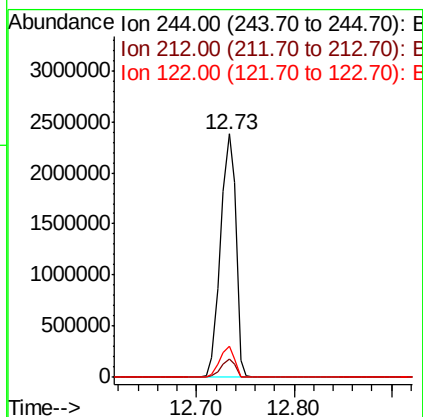
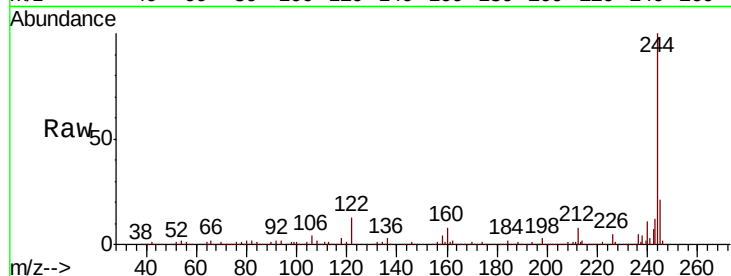


#79
 Terphenyl-d14
 Concen: 62.600 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

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

Tot Ion:244 Resp: 2610761

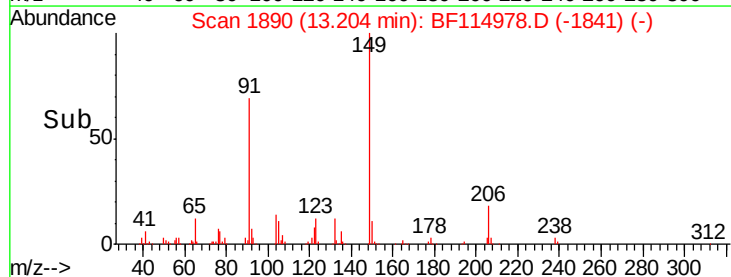
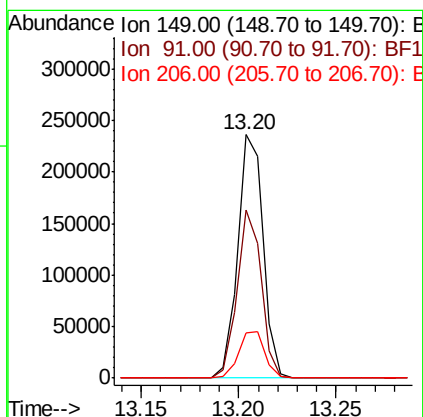
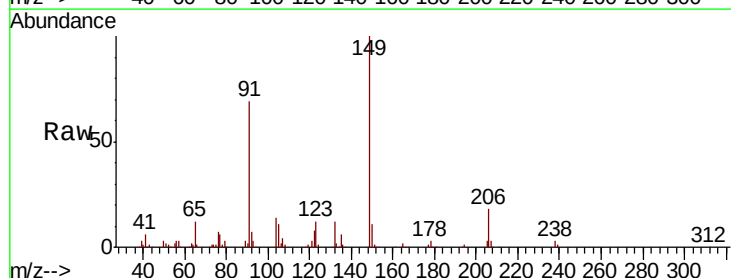
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	12.7	9.4	14.0

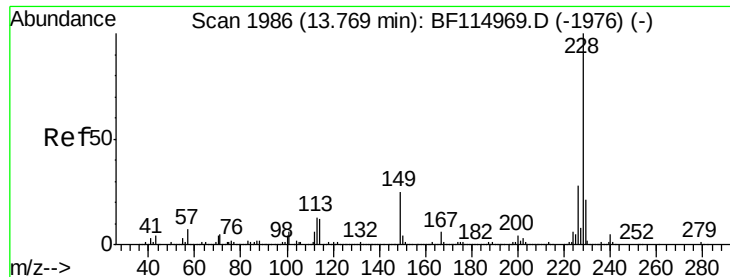


#80
 Butylbenzylphthalate
 Concen: 6.359 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BF114978.D
 Acq: 12 Jun 2019 16:51

Tgt Ion:149 Resp: 212231

Ion	Ratio	Lower	Upper
149	100		
91	68.9	50.6	76.0
206	18.4	16.7	25.1





#81

Benzo(a)anthracene

Concen: 7.396 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

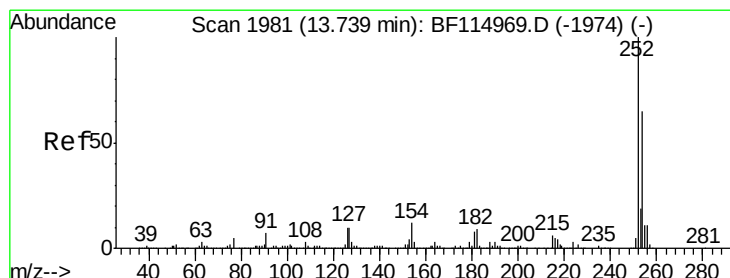
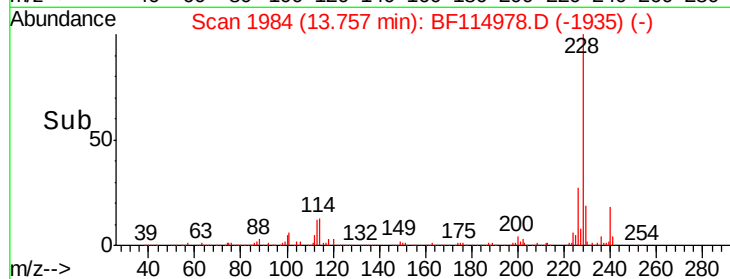
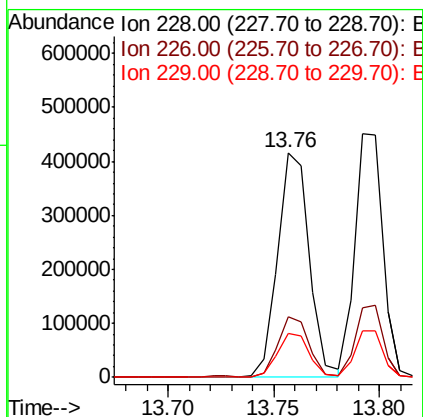
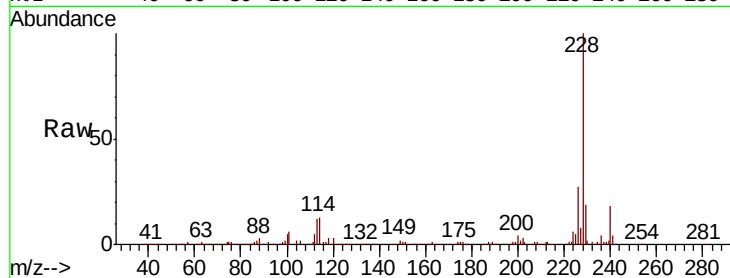
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	228	Resp:	434125
Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	19.5	16.6	25.0



#82

3,3'-Dichlorobenzidine

Concen: 6.886 ng

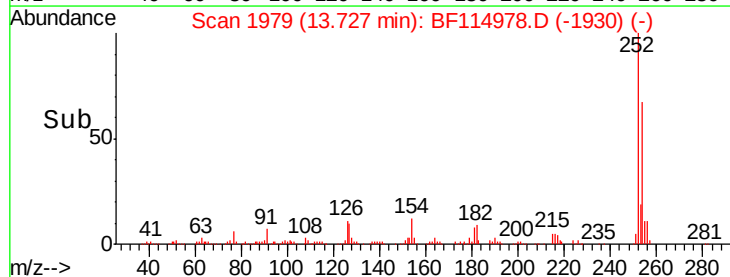
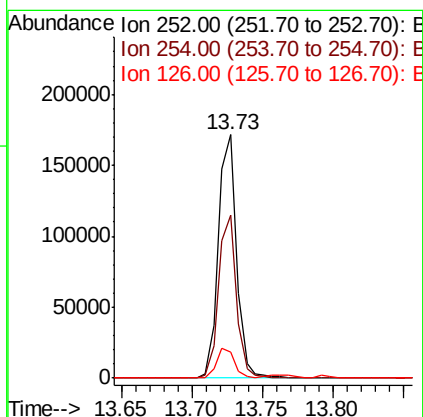
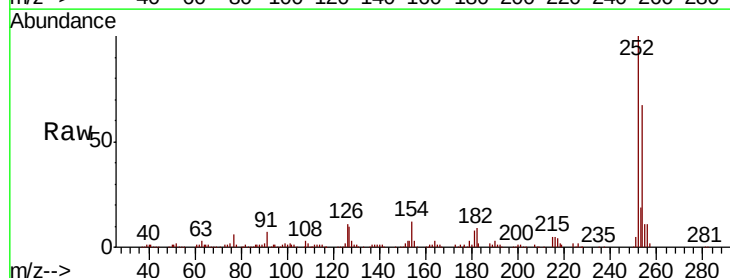
RT: 13.73 min Scan# 1979

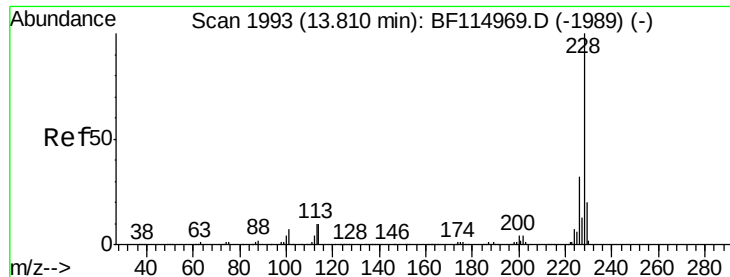
Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Tgt Ion:	252	Resp:	154960
Ion	Ratio	Lower	Upper
252	100		
254	66.9	52.2	78.4
126	10.9	8.0	12.0





#83

Chrysene

Concen: 7.210 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

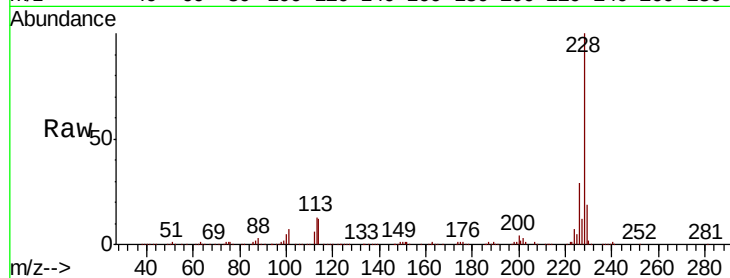
Tot Ion:228 Resp: 420868

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.0

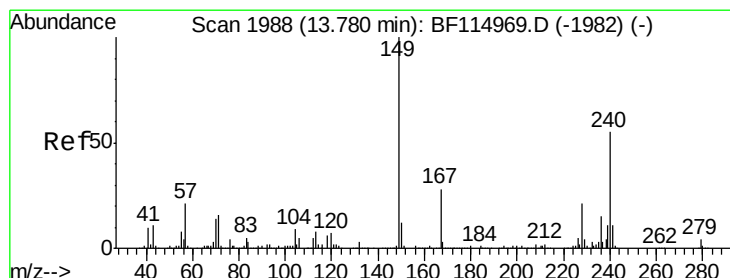
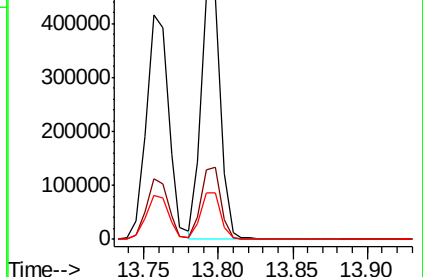
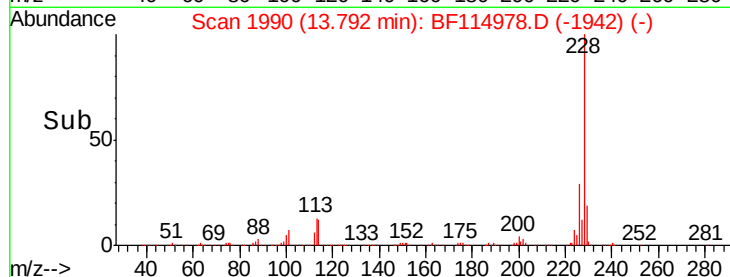
229 19.2 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.963 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

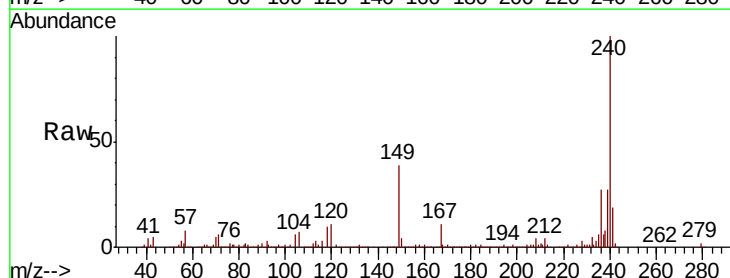
Tgt Ion:149 Resp: 274682

Ion Ratio Lower Upper

149 100

167 27.4 22.2 33.4

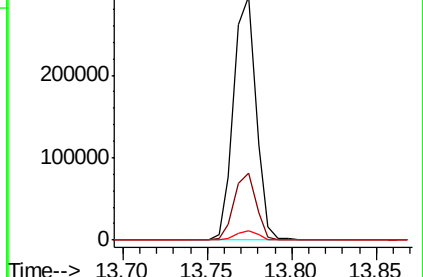
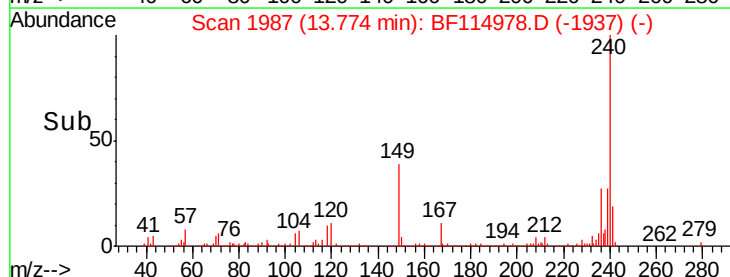
279 3.9 3.4 5.0

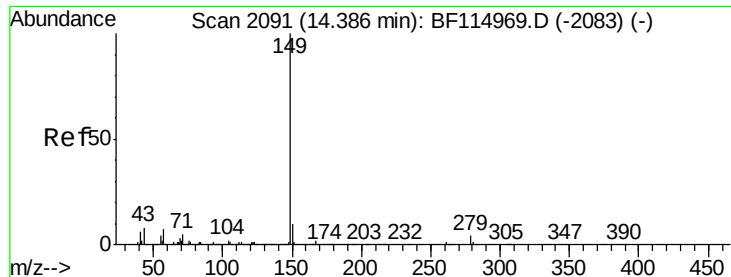


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

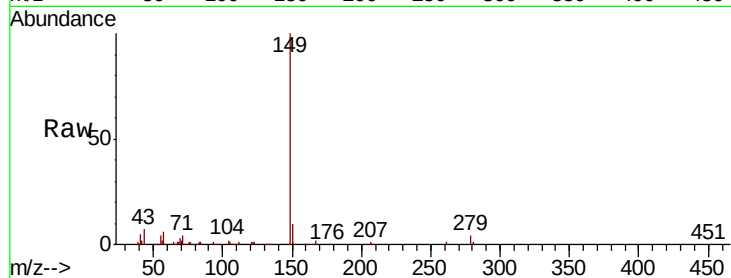




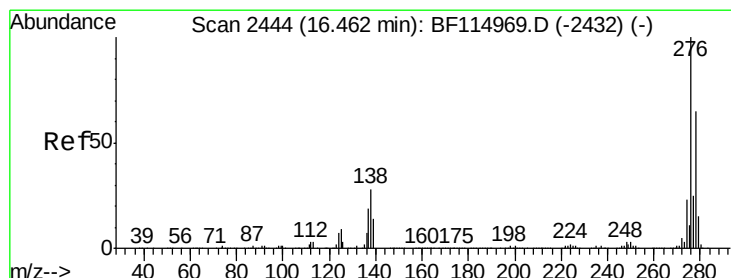
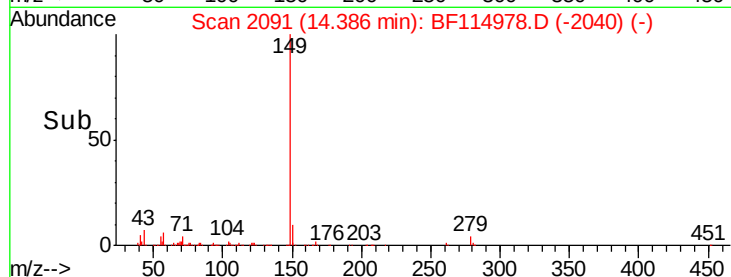
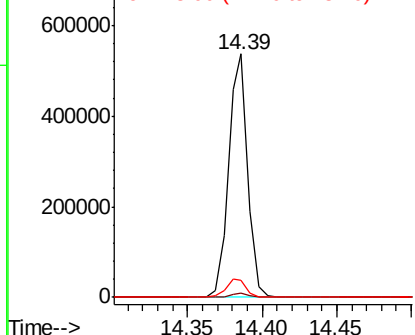
#85
Di-n-octyl phthalate
Concen: 7.143 ng
RT: 14.39 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:149 Resp: 485257
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 7.7 6.5 9.7

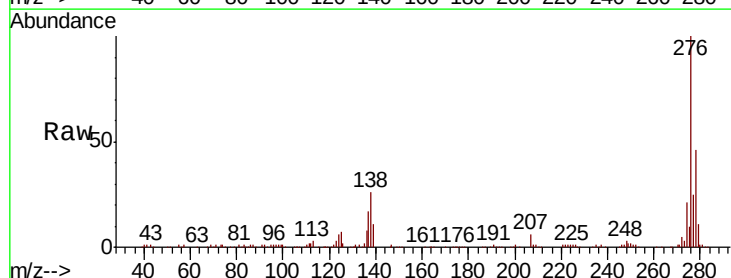


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

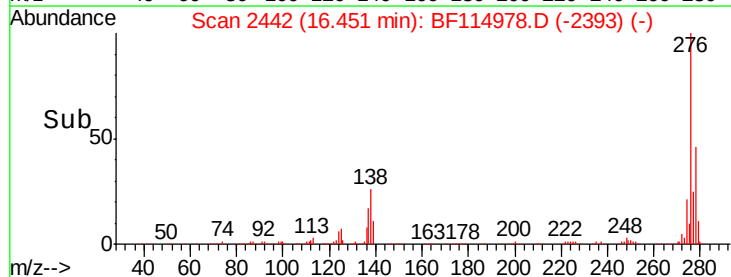
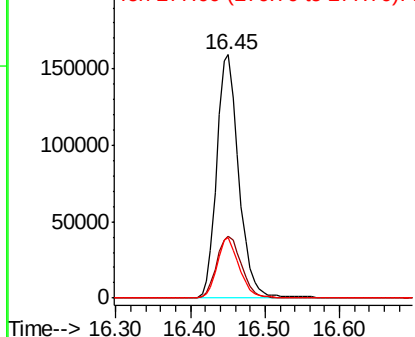


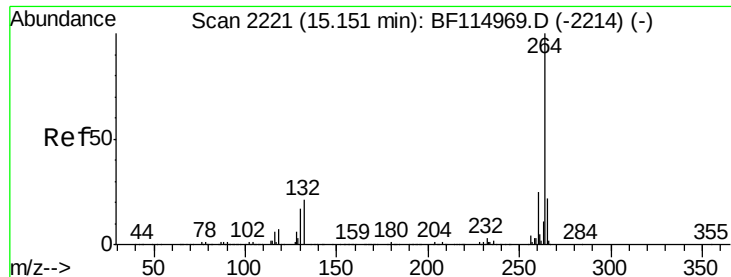
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.385 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:276 Resp: 327369
Ion Ratio Lower Upper
276 100
138 28.5 23.0 34.4
277 24.7 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

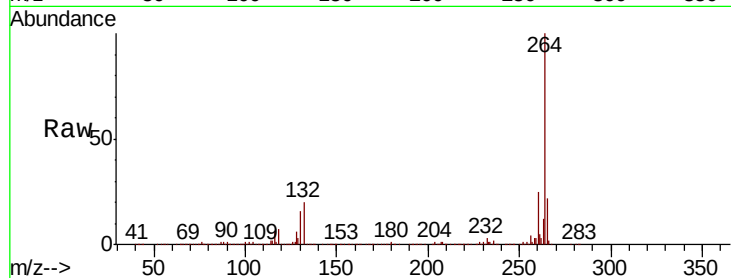




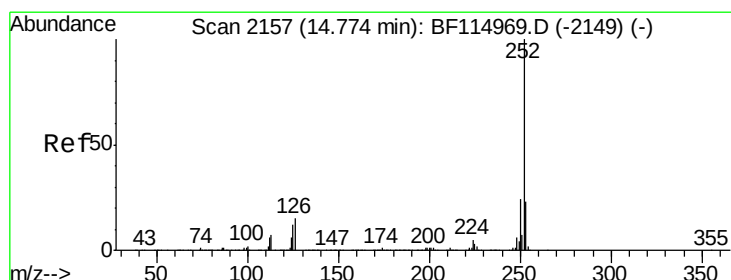
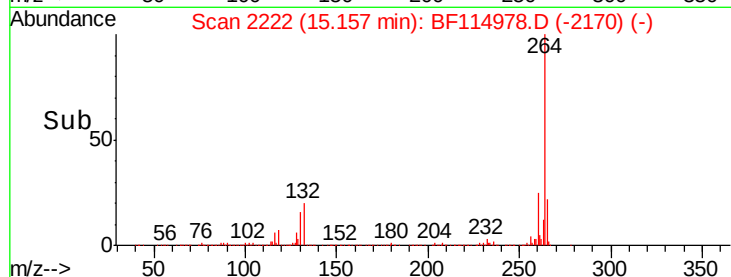
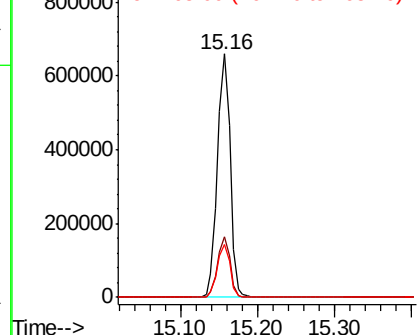
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

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

Tot Ion:264 Resp: 750344
Ion Ratio Lower Upper
264 100
260 24.8 19.9 29.9
265 21.8 17.6 26.4

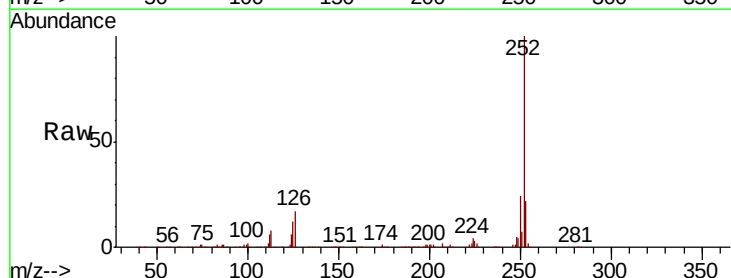


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

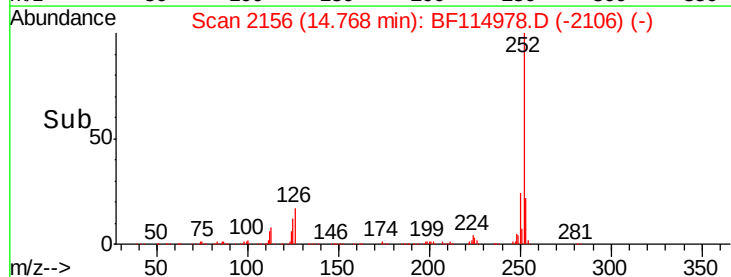
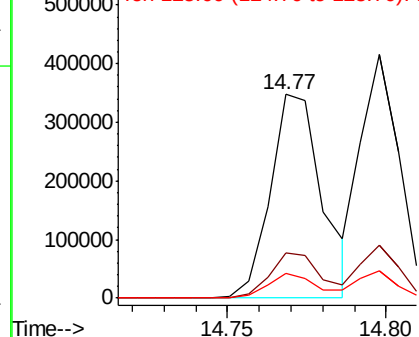


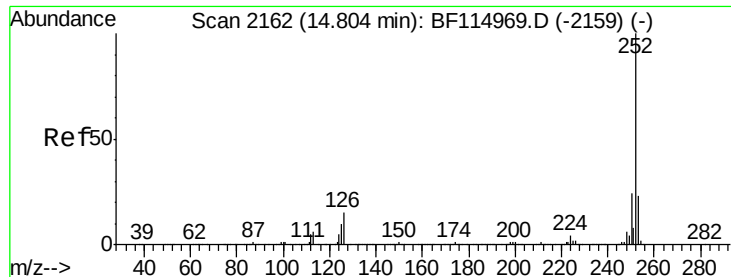
#88
Benzo(b)fluoranthene
Concen: 7.922 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion:252 Resp: 395126
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 11.9 9.4 14.0



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

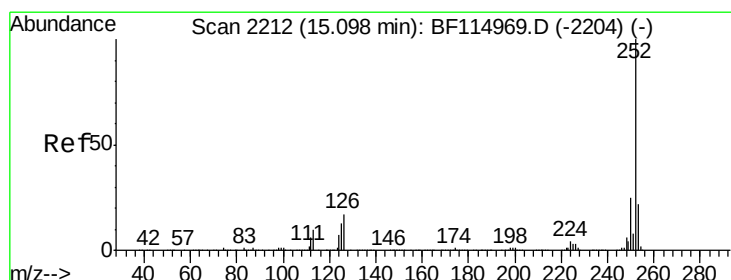
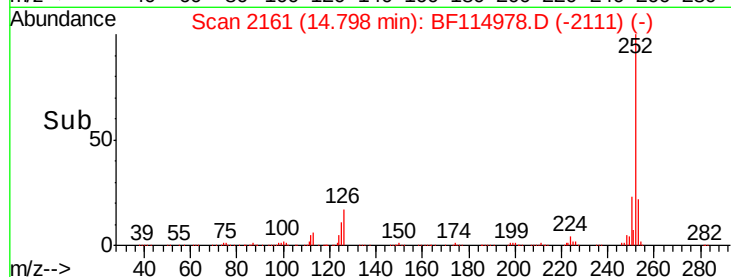
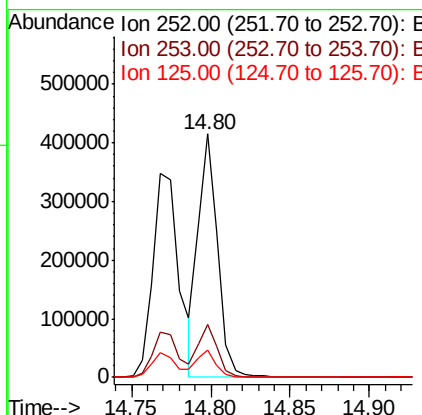
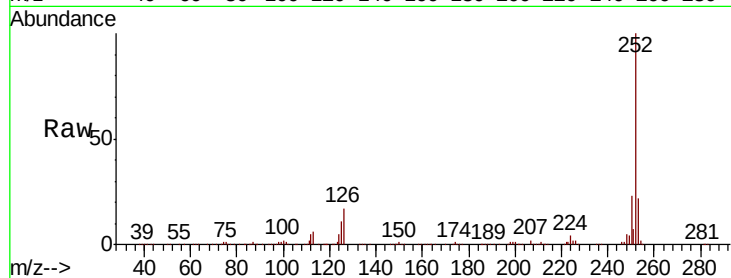




#89
Benzo(k)fluoranthene
Concen: 8.118 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

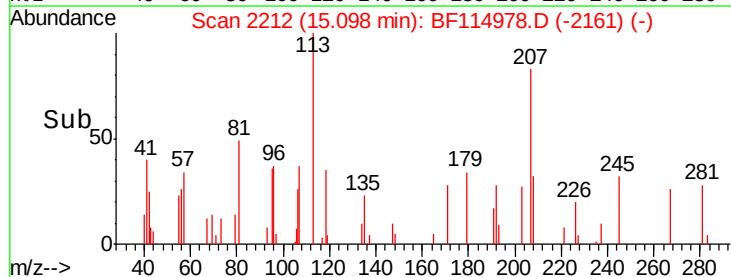
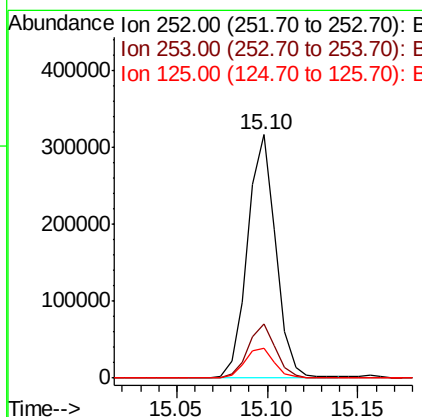
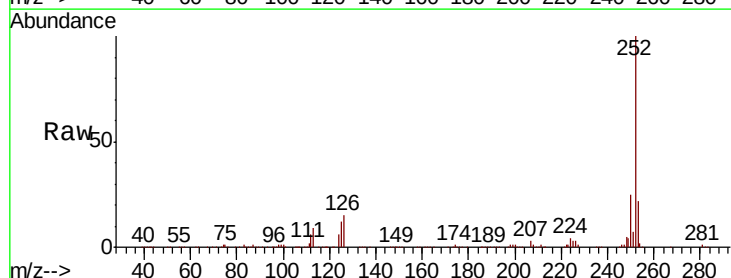
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

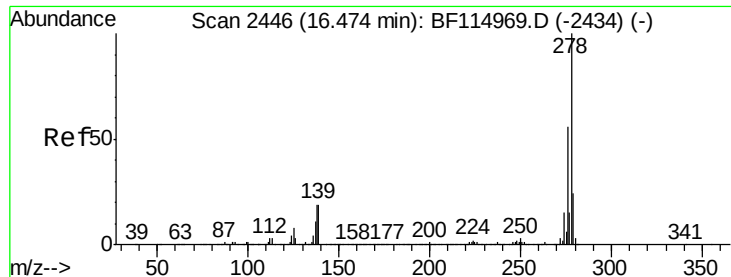
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	11.4	8.2	12.4



#90
Benzo(a)pyrene
Concen: 7.963 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF114978.D
Acq: 12 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	12.2	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 7.386 ng

RT: 16.46 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

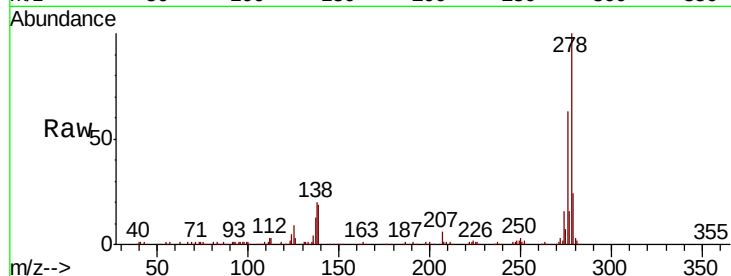
Tot Ion:278 Resp: 273760

Ion Ratio Lower Upper

278 100

139 19.1 15.3 22.9

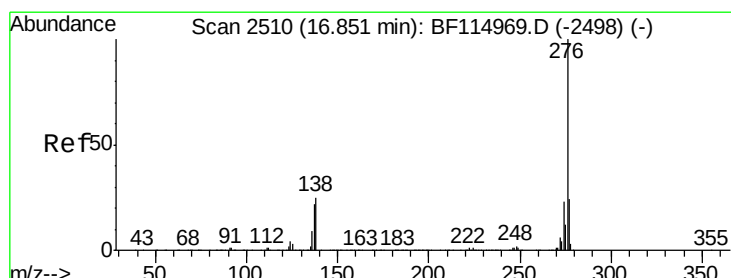
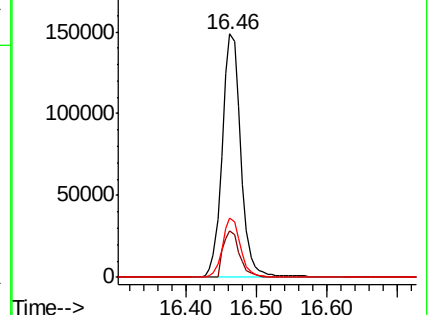
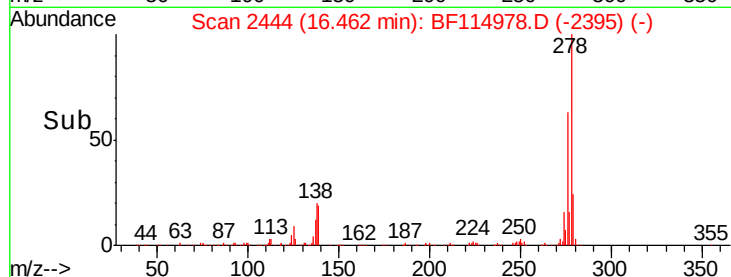
279 24.2 19.2 28.8



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: 7.019 ng

RT: 16.83 min Scan# 2507

Delta R.T. -0.02 min

Lab File: BF114978.D

Acq: 12 Jun 2019 16:51

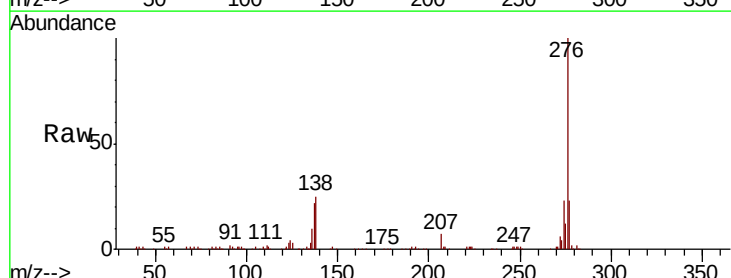
Tgt Ion:276 Resp: 265327

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 25.3 20.2 30.4



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

