

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070219\
 Data File : BF115376.D
 Acq On : 2 Jul 2019 22:40
 Operator : HP/JU
 Sample : K3629-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Quant Time: Jul 03 05:56:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	228434	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	890192	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	432697	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	825743	20.00	ng	0.02
76) Chrysene-d12	13.74	240	461053	20.00	ng	0.02
87) Perylene-d12	15.11	264	505672	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1090350	73.66	ng	0.02
7) Phenol-d6	6.25	99	1390080	77.37	ng	0.01
23) Nitrobenzene-d5	7.17	82	842686	58.23	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	360162	78.93	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1618119	63.52	ng	0.01
79) Terphenyl-d14	12.70	244	1589005	73.28	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	135640	19.415	ng	99
3) Pyridine	2.90	79	184602	9.375	ng	95
4) n-Nitrosodimethylamine	2.82	42	150602	19.510	ng	99
6) Aniline	6.26	93	296687	12.015	ng	# 1
8) 2-Chlorophenol	6.39	128	397490	23.880	ng	99
9) Benzaldehyde	6.14	77	239354	20.419	ng	98
10) Phenol	6.26	94	474862	22.563	ng	92
11) bis(2-Chloroethyl)ether	6.35	93	361166	23.280	ng	97
12) 1,3-Dichlorobenzene	6.54	146	433787	23.482	ng	98
13) 1,4-Dichlorobenzene	6.62	146	445993	24.076	ng	99
14) 1,2-Dichlorobenzene	6.78	146	416148	24.259	ng	98
15) Benzyl Alcohol	6.75	79	287352	21.964	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.89	45	498064	22.135	ng	94
17) 2-Methylphenol	6.87	107	338596	24.644	ng	99
18) Hexachloroethane	7.12	117	151092	22.624	ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	256029	22.258	ng	97
20) 3+4-Methylphenols	7.02	107	404609	25.504	ng	# 81
22) Acetophenone	7.02	105	546824	26.832	ng	# 95
24) Nitrobenzene	7.19	77	402103	25.222	ng	98
25) Isophorone	7.43	82	713318	24.062	ng	99
26) 2-Nitrophenol	7.51	139	210761	26.770	ng	98
27) 2,4-Dimethylphenol	7.55	122	334882	25.979	ng	98
28) bis(2-Chloroethoxy)methane	7.65	93	459512	24.525	ng	100
29) 2,4-Dichlorophenol	7.75	162	346021	26.011	ng	97
30) 1,2,4-Trichlorobenzene	7.84	180	377871	25.716	ng	98
31) Naphthalene	7.91	128	1162953	26.614	ng	98
32) Benzoic acid	7.55	122	334882	36.395	ng	# 15
33) 4-Chloroaniline	7.96	127	297684	14.906	ng	100
34) Hexachlorobutadiene	8.04	225	205111	25.472	ng	98
35) Caprolactam	8.35	113	14186	3.172	ng	97
36) 4-Chloro-3-methylphenol	8.45	107	345052	25.612	ng	99
37) 2-Methylnaphthalene	8.60	142	782285	26.551	ng	99
38) 1-Methylnaphthalene	8.70	142	731486	25.995	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	350322	28.651	ng	99

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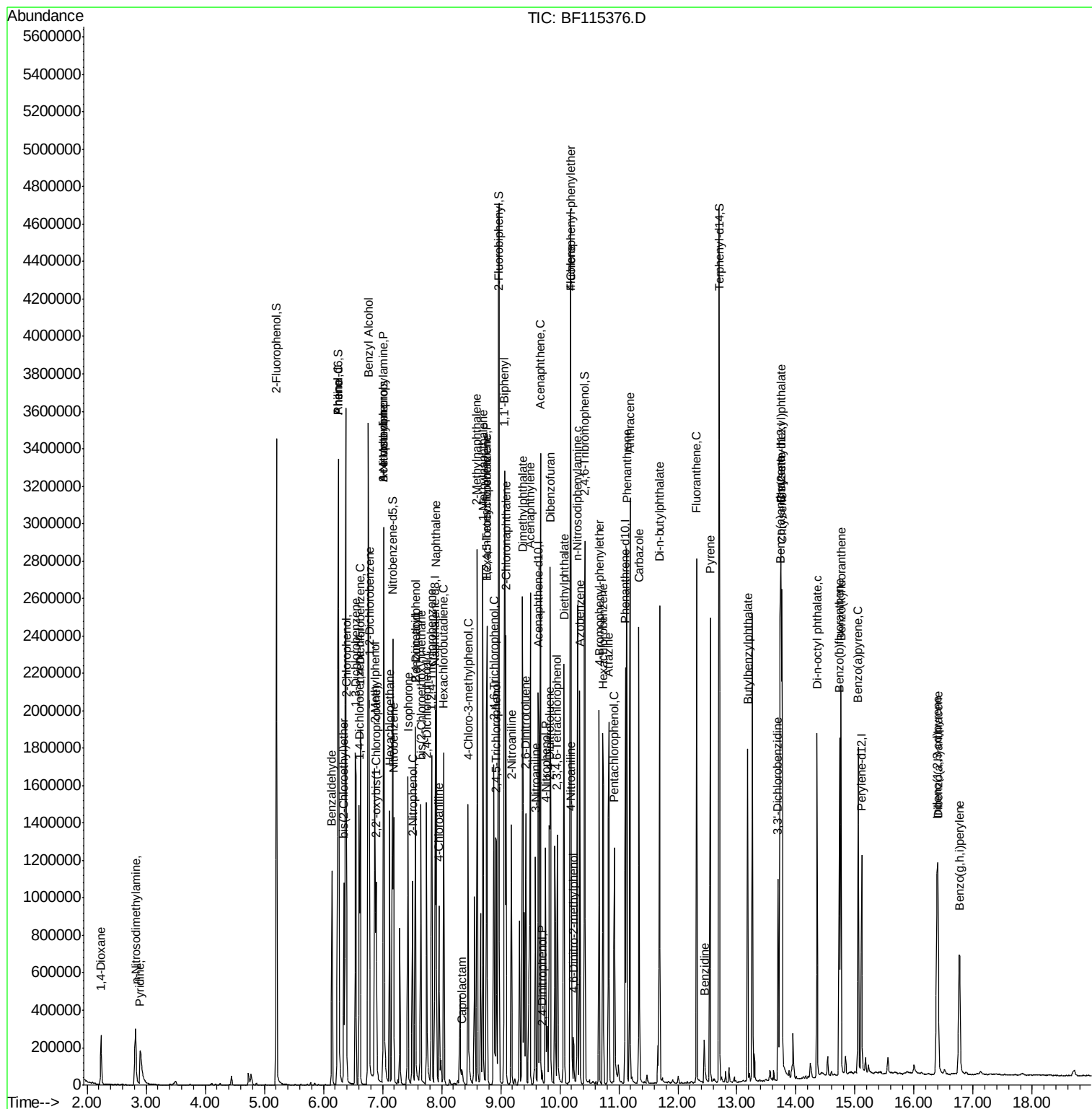
Instrument :
 BNA_F
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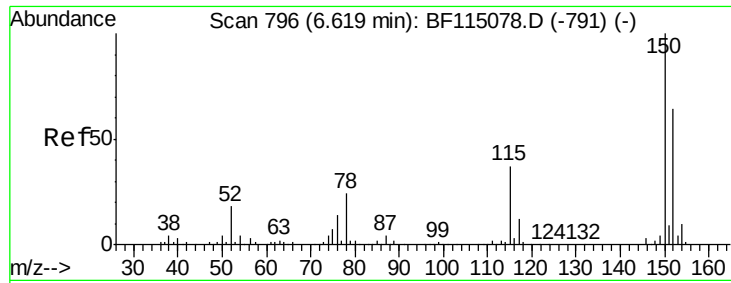
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.76	237	210747	29.067	ng	98
43) 2,4,6-Trichlorophenol	8.88	196	232304	24.609	ng	99
44) 2,4,5-Trichlorophenol	8.92	196	258094	26.549	ng	96
46) 1,1'-Biphenyl	9.07	154	933992	26.977	ng	99
47) 2-Chloronaphthalene	9.09	162	731143	26.034	ng	100
48) 2-Nitroaniline	9.18	65	210418	25.700	ng	89
49) Acenaphthylene	9.50	152	1159239	26.494	ng	98
50) Dimethylphthalate	9.37	163	1071423	33.656	ng	100
51) 2,6-Dinitrotoluene	9.42	165	197111	26.819	ng	98
52) Acenaphthene	9.67	154	669160	24.440	ng	99
53) 3-Nitroaniline	9.59	138	198012	22.078	ng	98
54) 2,4-Dinitrophenol	9.70	184	13968	10.698	ng	# 86
55) Dibenzofuran	9.84	168	1013319	25.786	ng	98
56) 4-Nitrophenol	9.76	139	282918	39.347	ng	91
57) 2,4-Dinitrotoluene	9.82	165	253638	26.727	ng	92
58) Fluorene	10.18	166	734000	25.148	ng	98
59) 2,3,4,6-Tetrachlorophenol	9.97	232	187054	22.947	ng	96
60) Diethylphthalate	10.07	149	818578	25.580	ng	99
61) 4-Chlorophenyl-phenylether	10.18	204	357437	25.853	ng	98
62) 4-Nitroaniline	10.20	138	218458	24.280	ng	95
63) Azobenzene	10.34	77	737813	24.685	ng	99
65) 4,6-Dinitro-2-methylphenol	10.24	198	35700	12.246	ng	98
66) n-Nitrosodiphenylamine	10.30	169	680397	26.448	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	238190	26.605	ng	98
68) Hexachlorobenzene	10.73	284	260966	26.855	ng	94
69) Atrazine	10.83	200	225004	27.189	ng	99
70) Pentachlorophenol	10.92	266	176801	28.558	ng	97
71) Phenanthrene	11.14	178	1130395	25.425	ng	98
72) Anthracene	11.19	178	1178732	26.265	ng	99
73) Carbazole	11.34	167	1033297	25.784	ng	99
74) Di-n-butylphthalate	11.70	149	1253371	27.066	ng	99
75) Fluoranthene	12.32	202	1075385	24.243	ng	98
77) Benzidine	12.45	184	90845	4.437	ng	99
78) Pyrene	12.55	202	1056734	29.824	ng	99
80) Butylbenzylphthalate	13.18	149	451461	28.872	ng	90
81) Benzo(a)anthracene	13.73	228	813452	24.589	ng	98
82) 3,3'-Dichlorobenzidine	13.70	252	264577	22.147	ng	99
83) Chrysene	13.77	228	786210	25.944	ng	98
84) Bis(2-ethylhexyl)phthalate	13.75	149	628434	30.672	ng	99
85) Di-n-octyl phthalate	14.36	149	928014	26.958	ng	99
86) Indeno(1,2,3-cd)pyrene	16.39	276	664278	18.525	ng	98
88) Benzo(b)fluoranthene	14.74	252	840649	26.643	ng	98
89) Benzo(k)fluoranthene	14.76	252	749988	26.505	ng	97
90) Benzo(a)pyrene	15.05	252	763108	26.833	ng	98
91) Dibenzo(a,h)anthracene	16.40	278	555053	20.906	ng	99
92) Benzo(g,h,i)perylene	16.77	276	517233	19.249	ng	100

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

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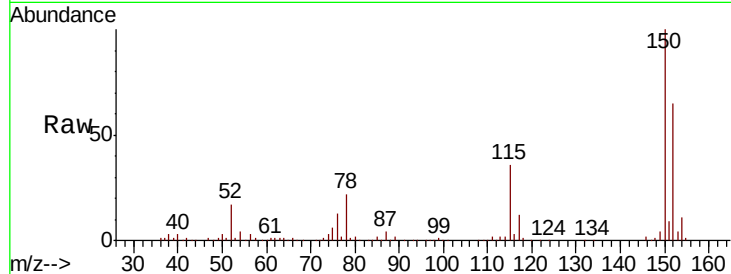


#1

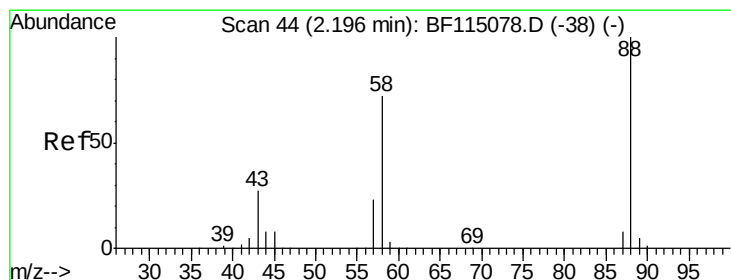
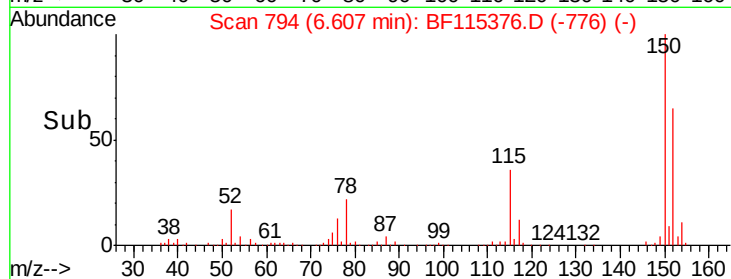
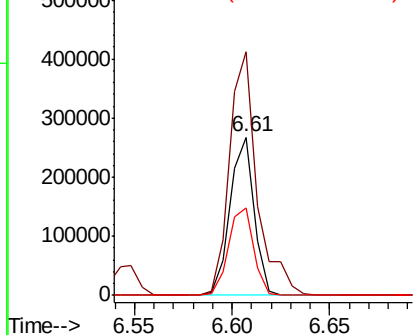
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:152 Resp: 228434
Ion Ratio Lower Upper
152 100
150 154.1 124.2 186.2
115 55.4 46.1 69.1



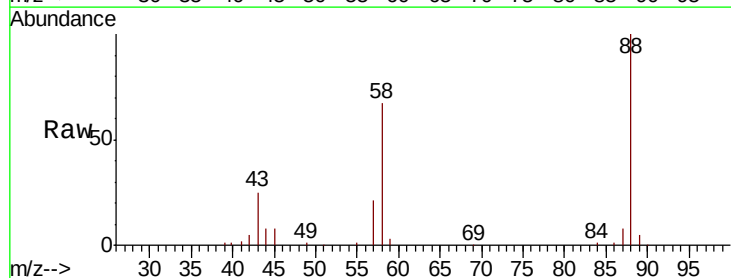
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



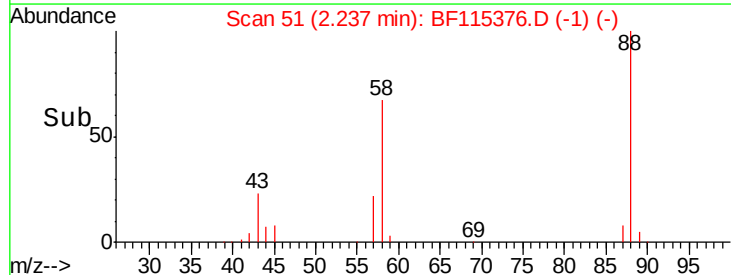
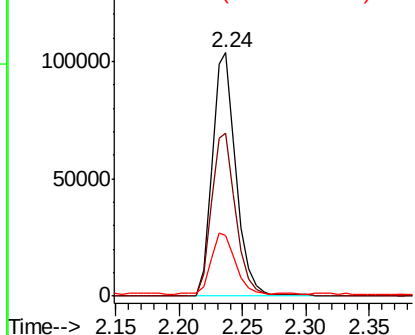
#2

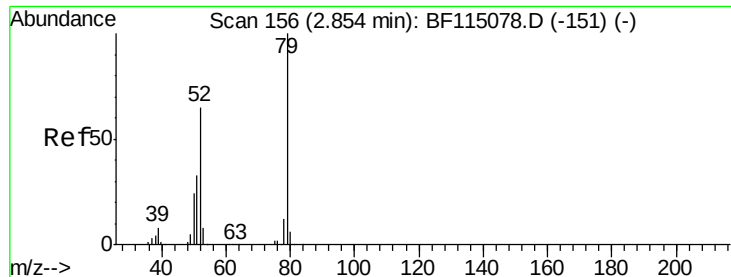
1,4-Dioxane
Concen: 19.415 ng
RT: 2.24 min Scan# 51
Delta R.T. 0.08 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion: 88 Resp: 135640
Ion Ratio Lower Upper
88 100
58 69.2 56.1 84.1
43 25.4 21.3 31.9



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

Pyridine

Concen: 9.375 ng

RT: 2.90 min Scan# 164

Delta R.T. 0.10 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

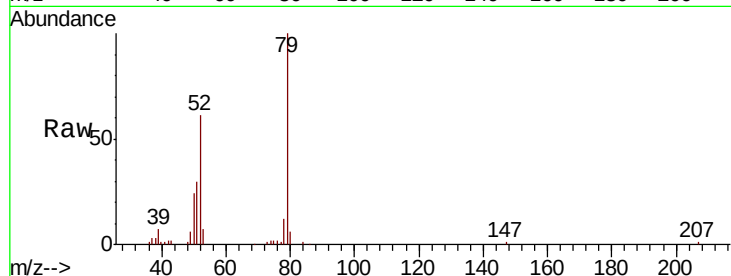
Tgt Ion: 79 Resp: 184602

Ion Ratio Lower Upper

79 100

52 61.4 52.3 78.5

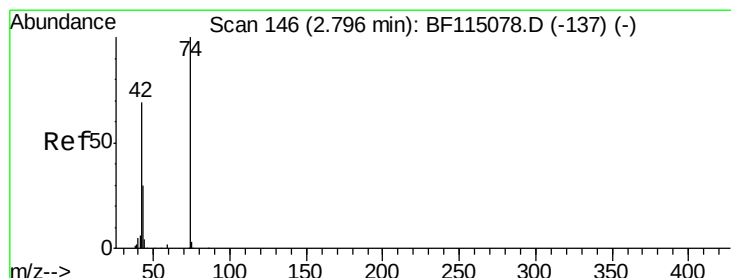
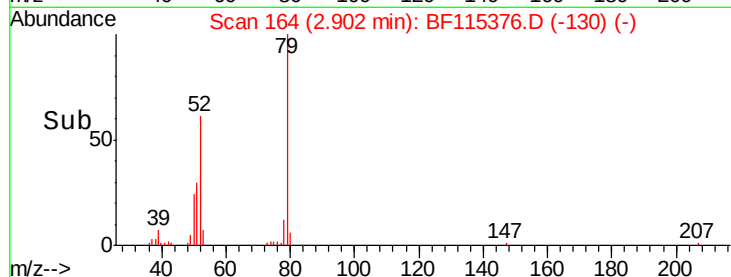
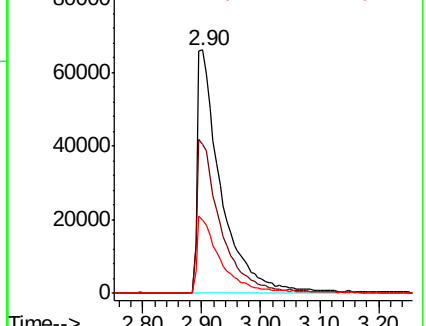
51 30.4 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 19.510 ng

RT: 2.82 min Scan# 150

Delta R.T. 0.07 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

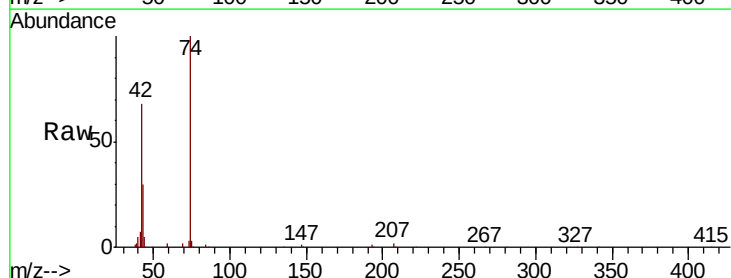
Tgt Ion: 42 Resp: 150602

Ion Ratio Lower Upper

42 100

74 146.5 116.6 175.0

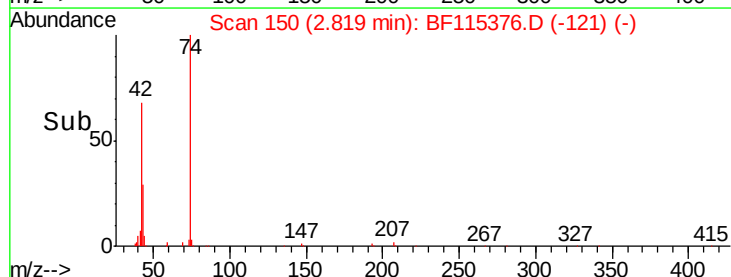
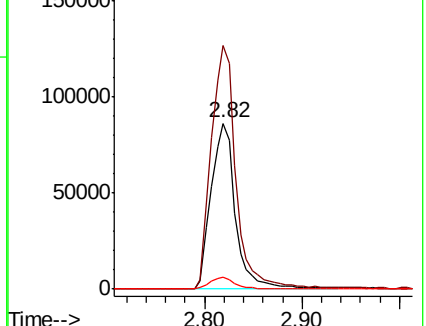
44 7.0 5.3 7.9

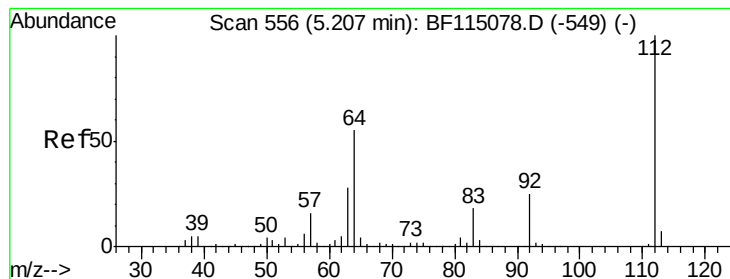


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 73.658 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

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ClientSampleId :

NB-SOIL-PILEMS

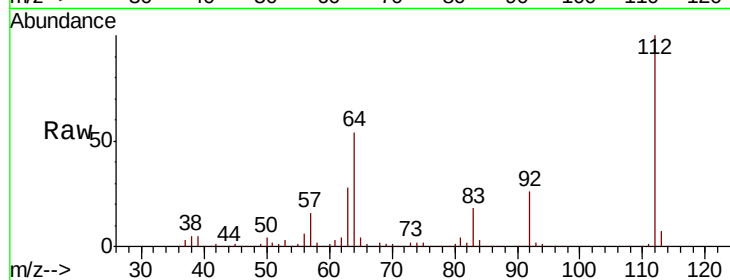
Tgt Ion: 112 Resp: 1090350

Ion Ratio Lower Upper

112 100

64 54.1 43.8 65.6

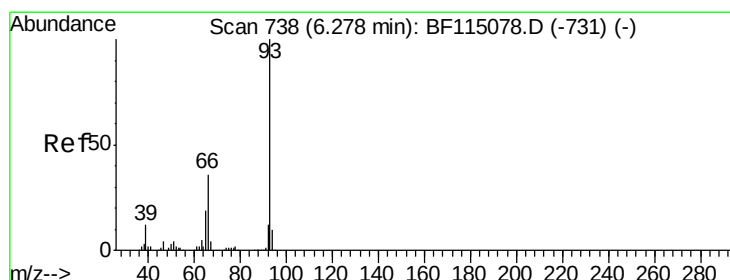
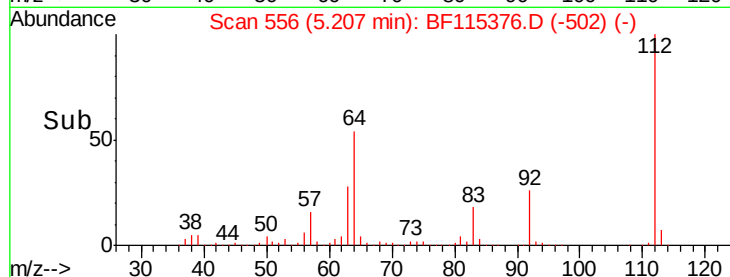
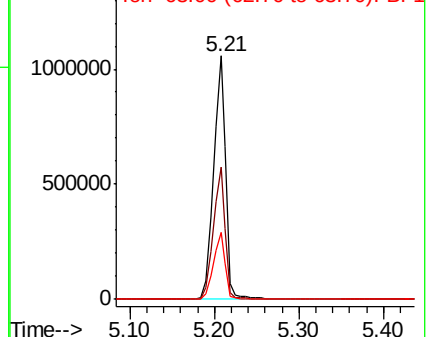
63 27.8 22.2 33.4



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: 12.015 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

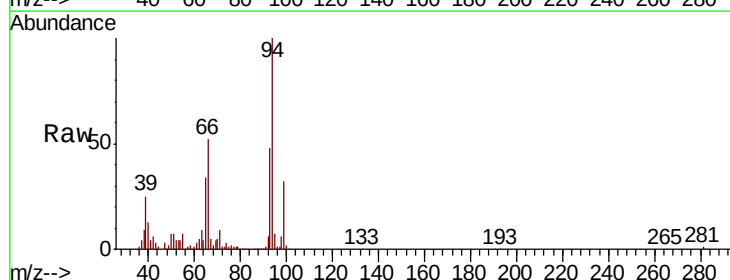
Tgt Ion: 93 Resp: 296687

Ion Ratio Lower Upper

93 100

66 108.4 30.0 45.0#

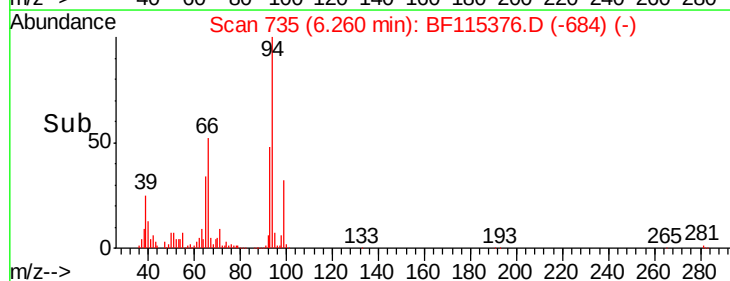
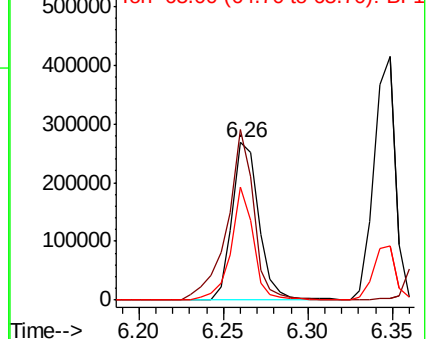
65 71.7 15.6 23.4#

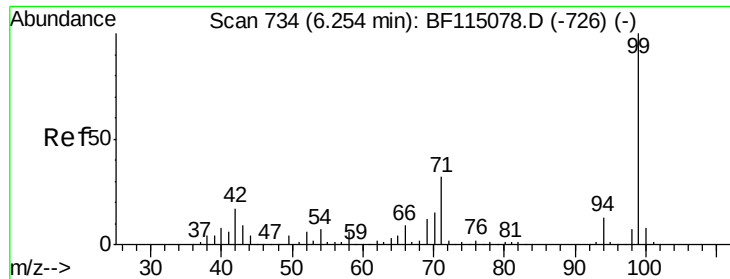


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.368 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

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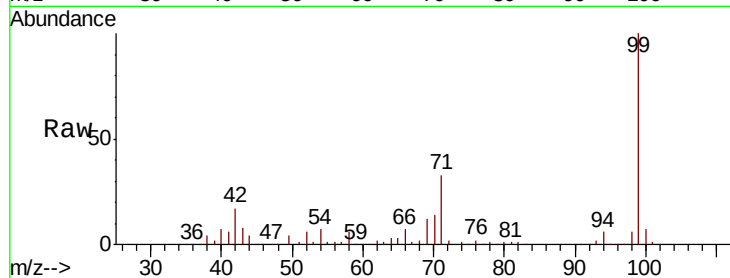
Tgt Ion: 99 Resp: 1390080

Ion Ratio Lower Upper

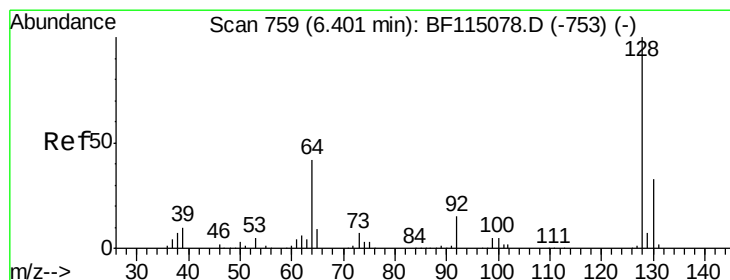
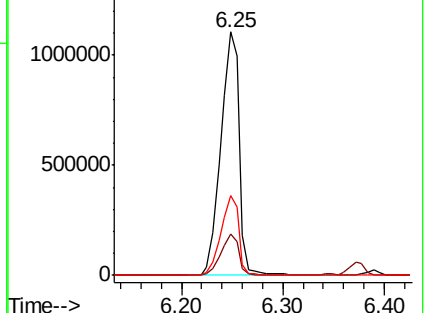
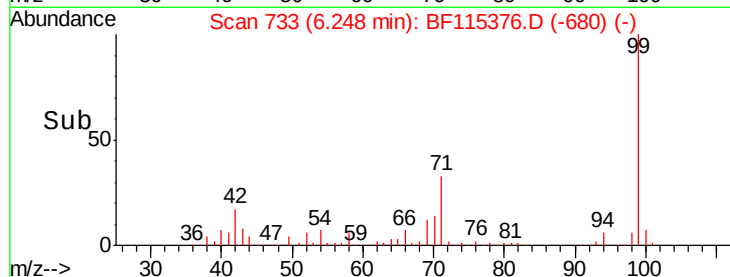
99 100

42 16.8 13.6 20.4

71 32.6 25.5 38.3



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: 23.880 ng

RT: 6.39 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

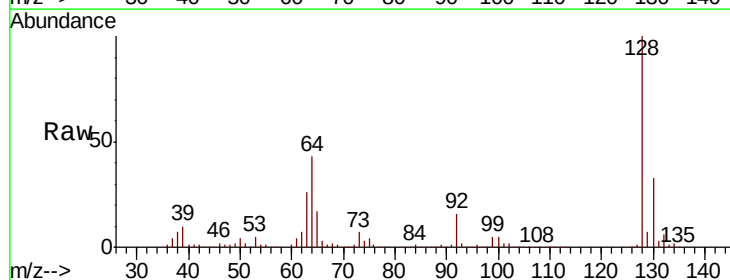
Tgt Ion: 128 Resp: 397490

Ion Ratio Lower Upper

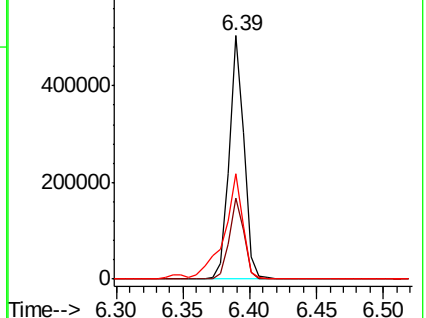
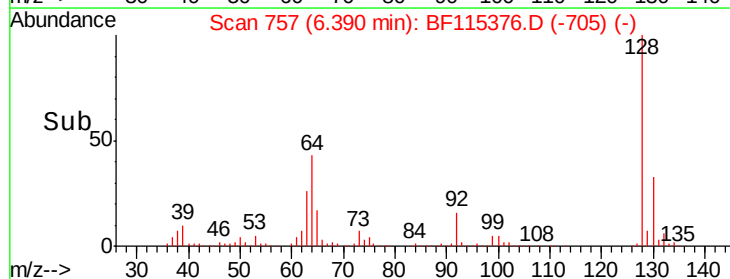
128 100

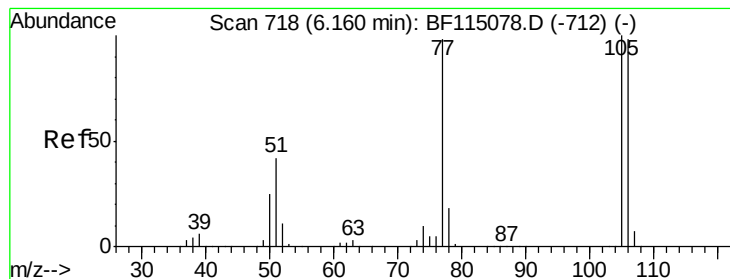
130 33.2 12.9 52.9

64 43.2 22.9 62.9



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





#9

Benzaldehyde

Concen: 20.419 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF115376.D

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BNA_F

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NB-SOIL-PILEMS

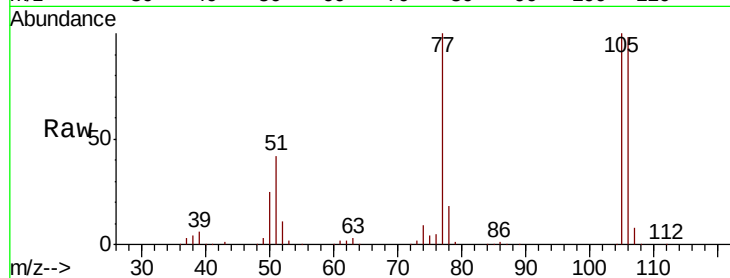
Tgt Ion: 77 Resp: 239354

Ion Ratio Lower Upper

77 100

105 100.0 81.5 121.5

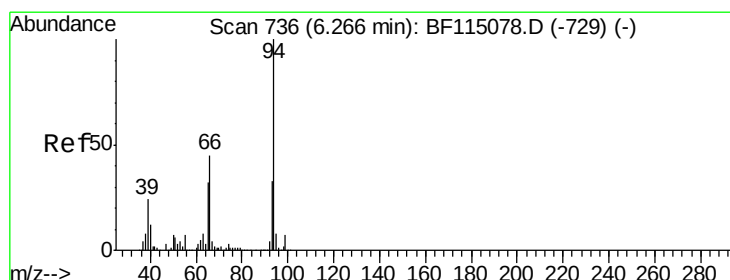
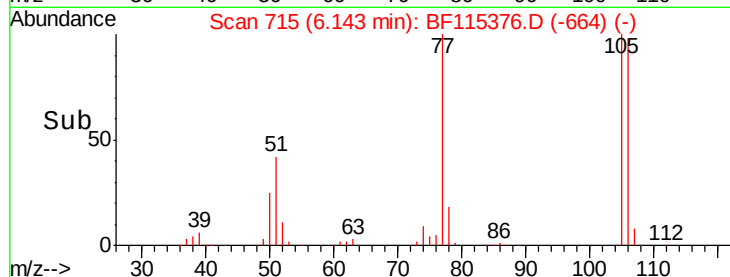
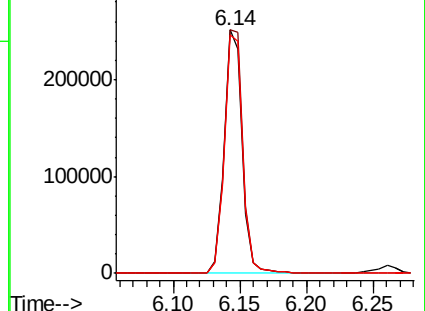
106 98.1 79.7 119.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 22.563 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

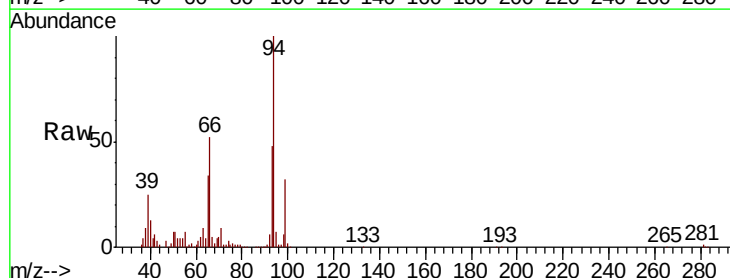
Tgt Ion: 94 Resp: 474862

Ion Ratio Lower Upper

94 100

65 34.3 11.9 51.9

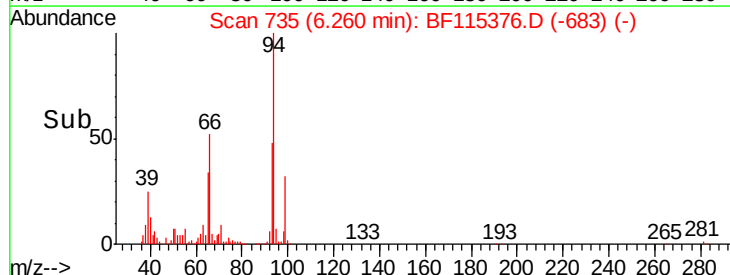
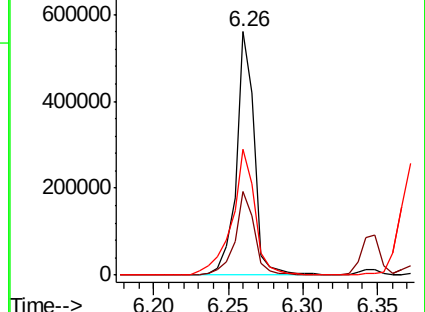
66 51.8 25.2 65.2

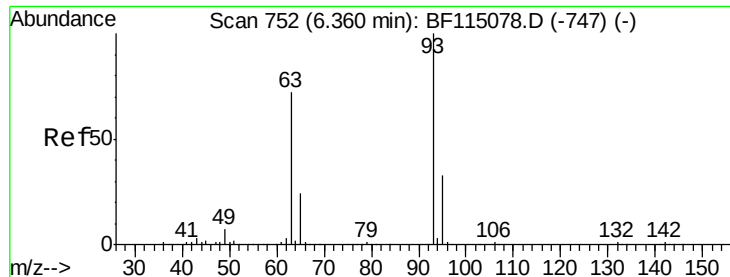


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

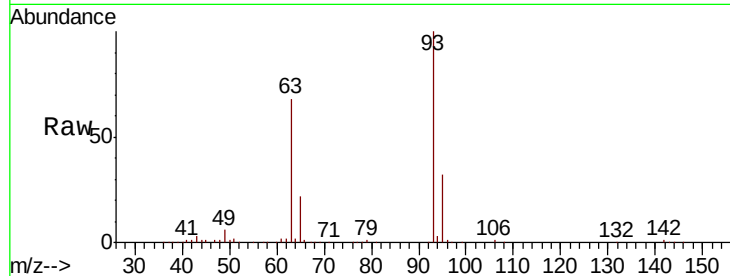




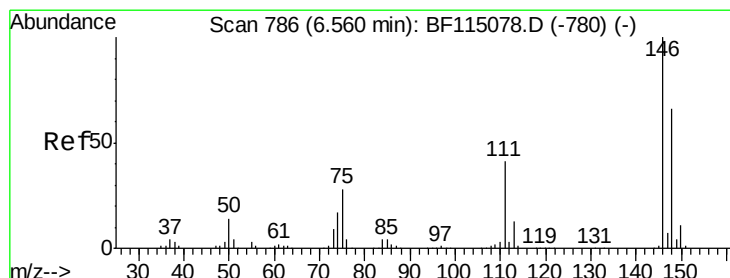
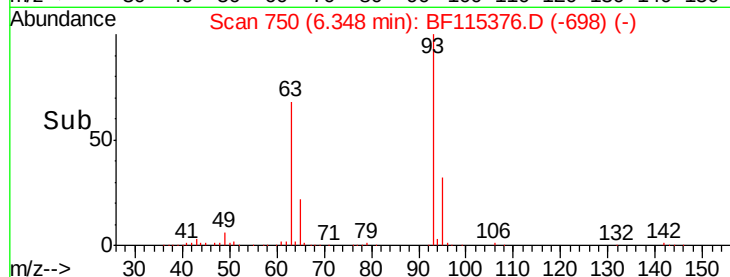
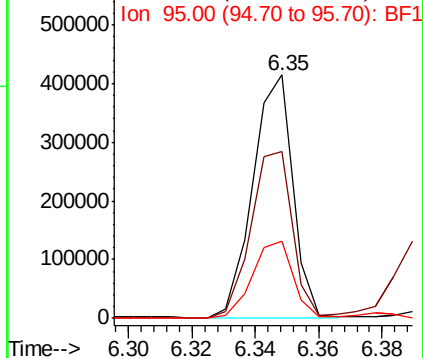
#11
bis(2-Chloroethyl)ether
Concen: 23.280 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion: 93 Resp: 361166
Ion Ratio Lower Upper
93 100
63 68.3 51.5 91.5
95 32.0 13.4 53.4

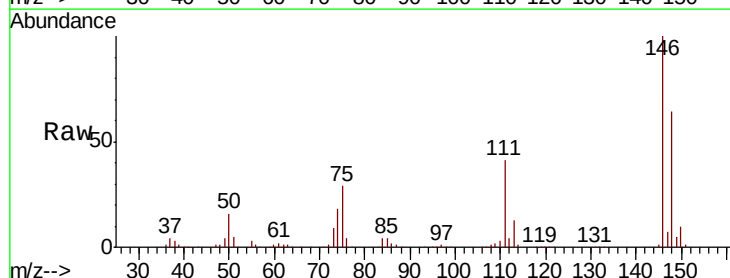


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

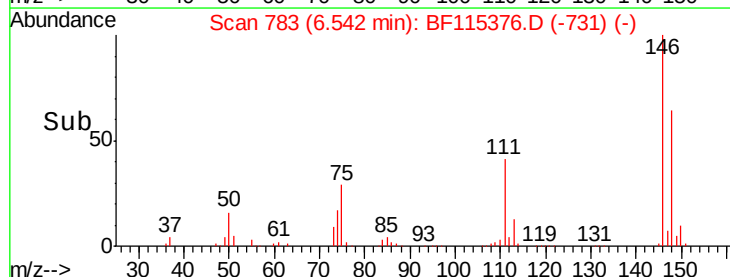
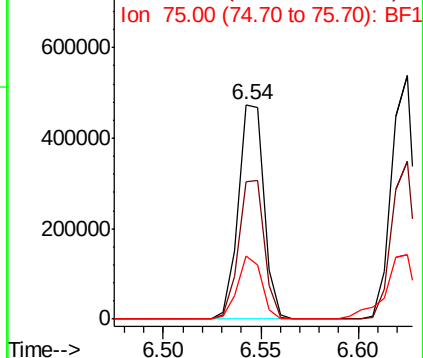


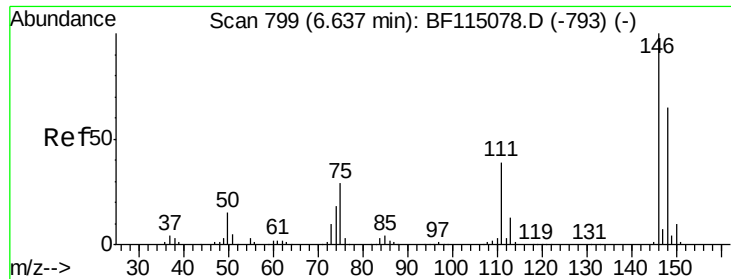
#12
1,3-Dichlorobenzene
Concen: 23.482 ng
RT: 6.54 min Scan# 783
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion: 146 Resp: 433787
Ion Ratio Lower Upper
146 100
148 63.9 52.6 78.8
75 29.4 22.6 34.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

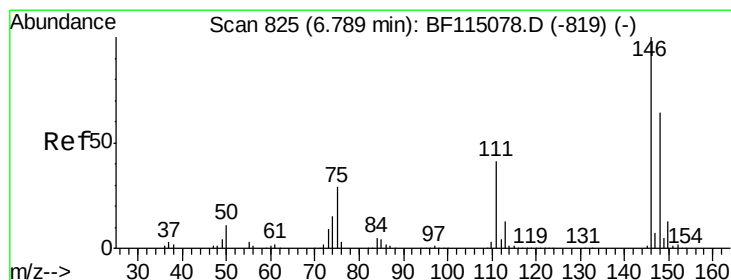
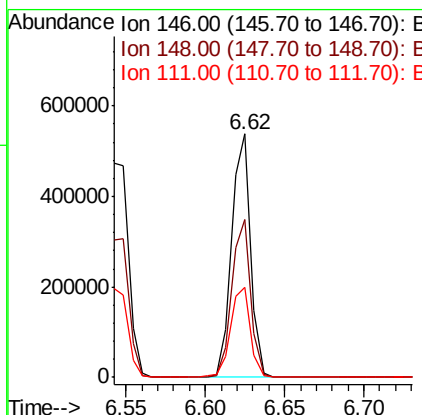
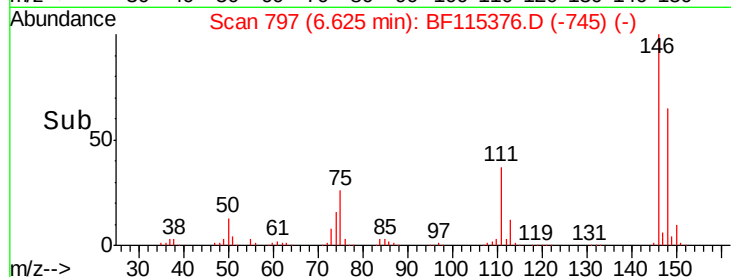
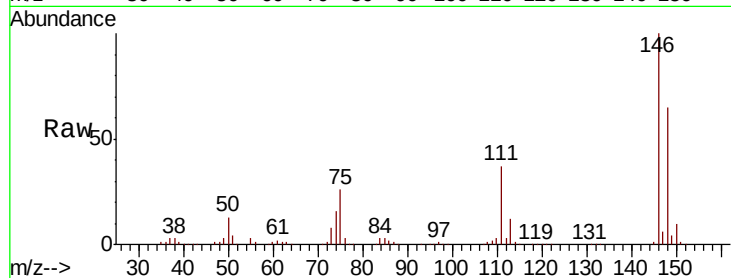




#13
 1,4-Dichlorobenzene
 Concen: 24.076 ng
 RT: 6.62 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

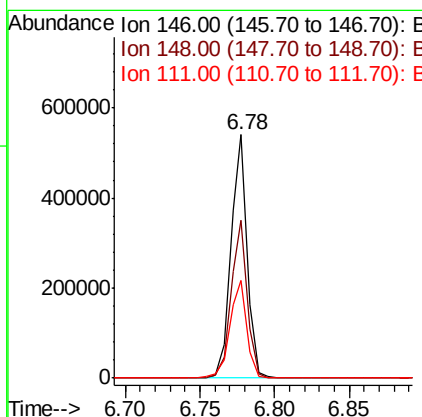
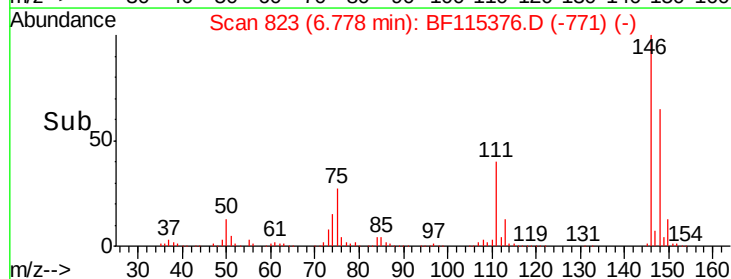
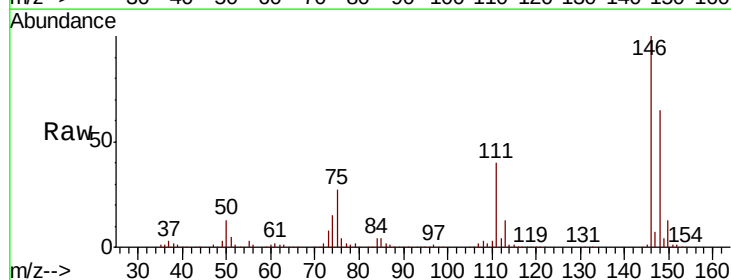
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

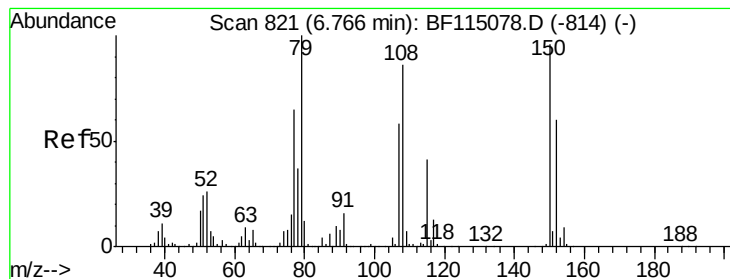
Tgt Ion:146 Resp: 445993
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.9 77.9
 111 37.2 31.4 47.0



#14
 1,2-Dichlorobenzene
 Concen: 24.259 ng
 RT: 6.78 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:146 Resp: 416148
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.1 76.7
 111 40.3 33.2 49.8





#15

Benzyl Alcohol

Concen: 21.964 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

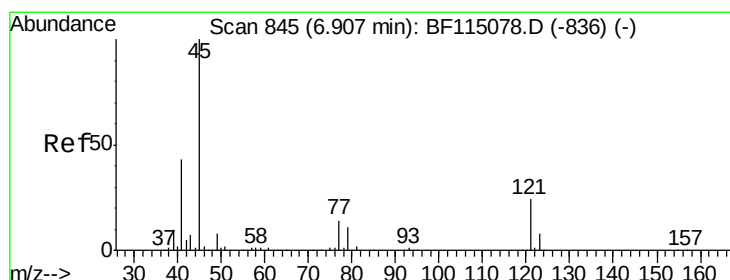
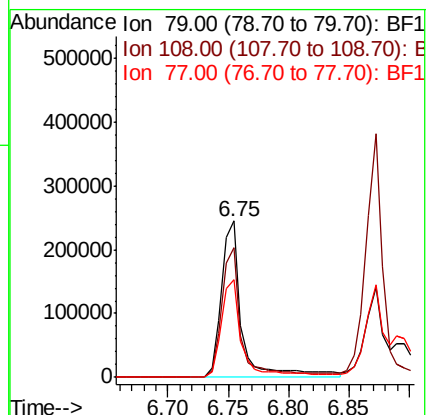
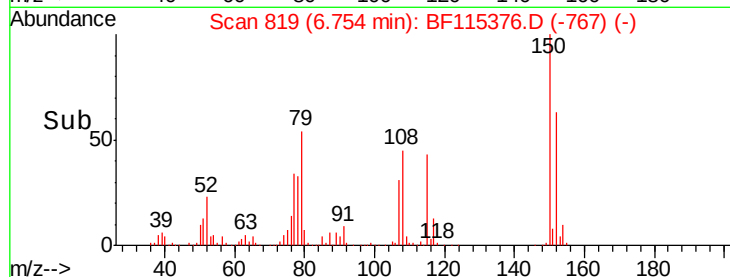
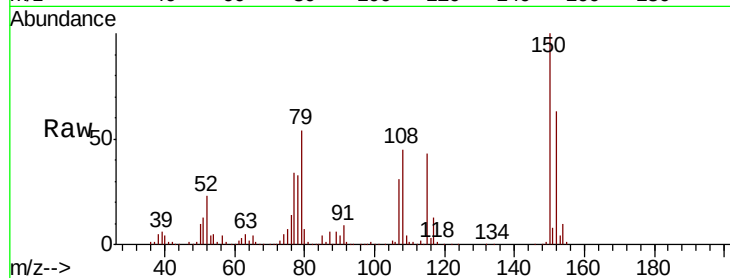
Tgt Ion: 79 Resp: 287352

Ion Ratio Lower Upper

79 100

108 83.0 68.7 103.1

77 62.8 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 22.135 ng

RT: 6.89 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

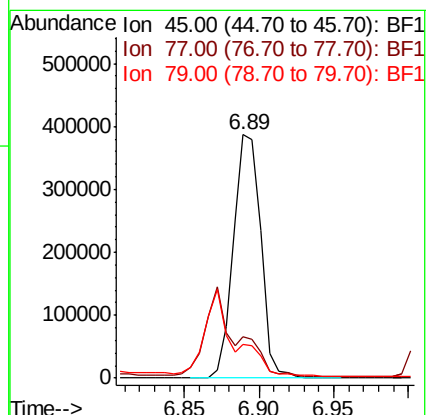
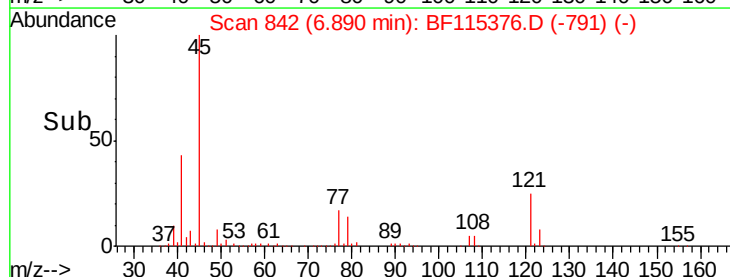
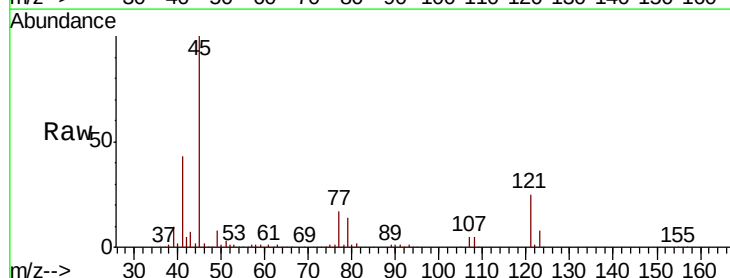
Tgt Ion: 45 Resp: 498064

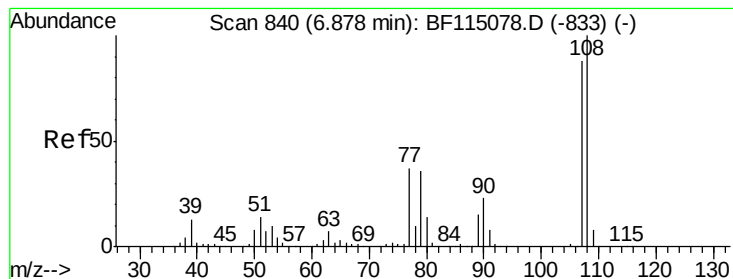
Ion Ratio Lower Upper

45 100

77 16.9 0.0 34.6

79 13.6 0.0 31.2





#17

2-Methylphenol

Concen: 24.644 ng

RT: 6.87 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tgt Ion:107 Resp: 338596

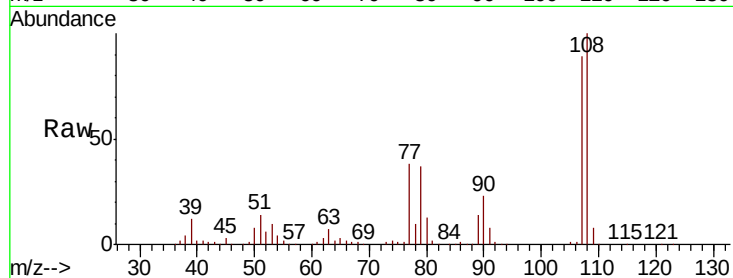
Ion Ratio Lower Upper

107 100

108 113.0 90.9 136.3

77 42.7 33.4 50.2

79 41.7 32.3 48.5

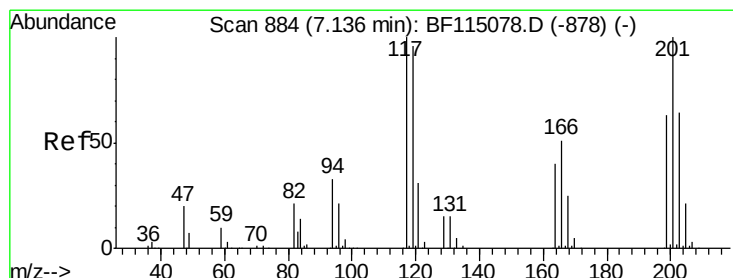
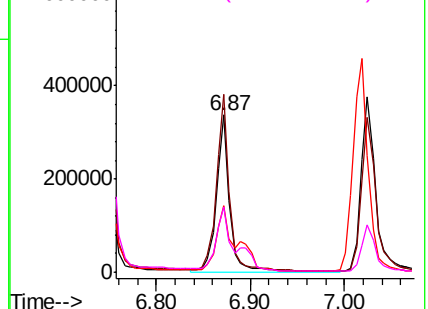
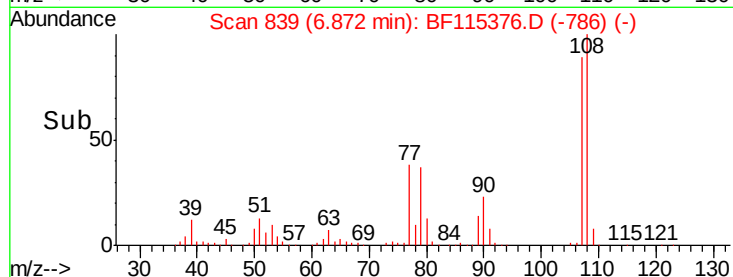


Abundance Ion 107.00 (106.70 to 107.70): E

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: 22.624 ng

RT: 7.12 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

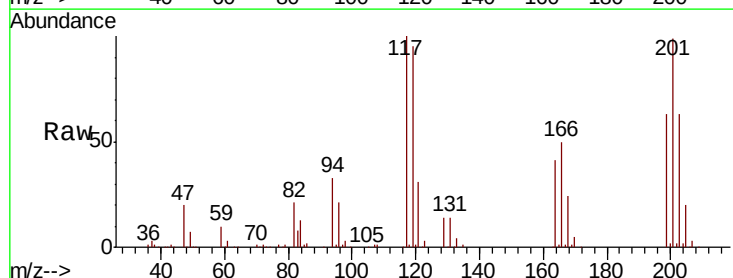
Tgt Ion:117 Resp: 151092

Ion Ratio Lower Upper

117 100

119 95.5 76.6 114.8

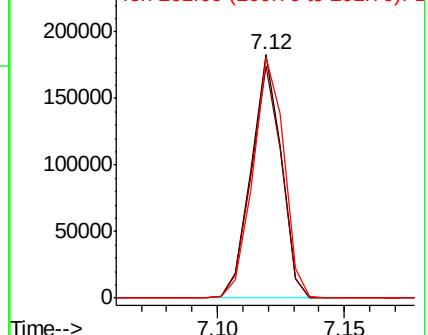
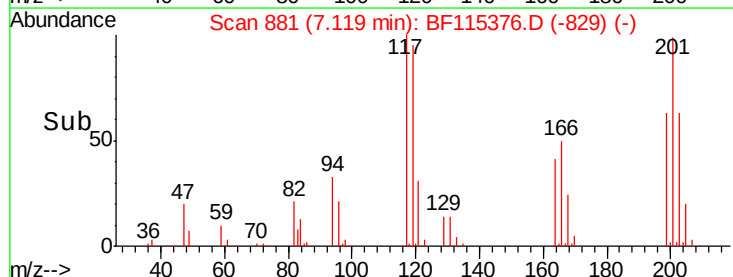
201 99.1 80.2 120.2

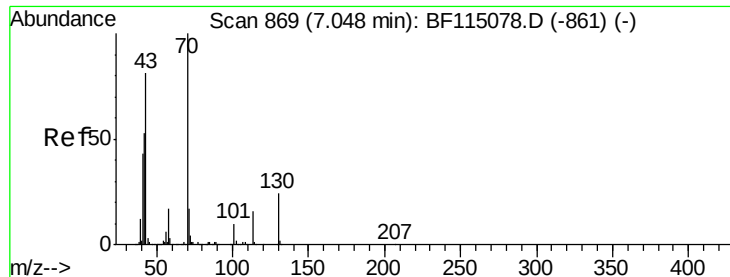


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

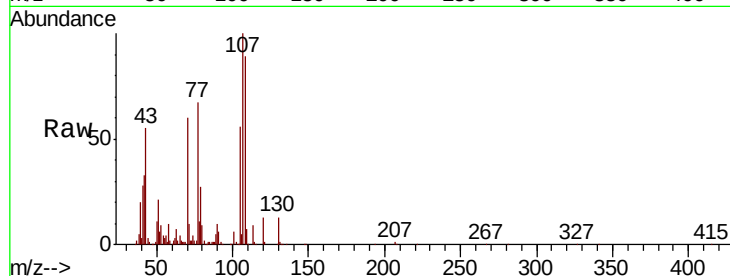




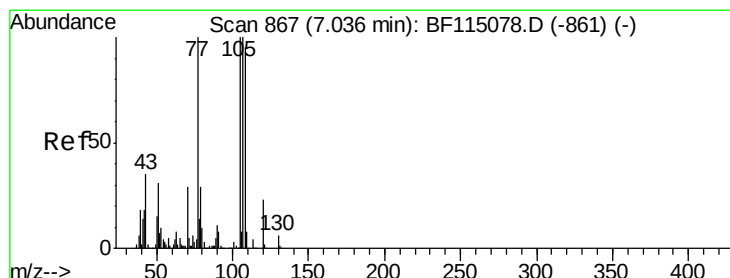
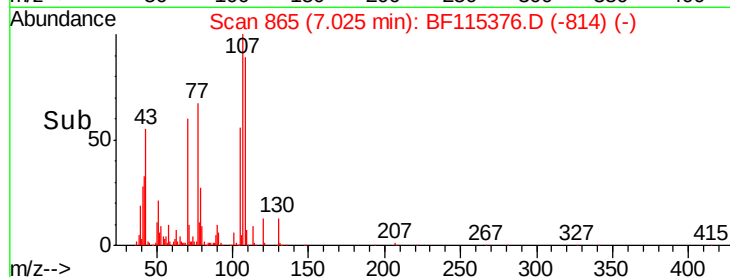
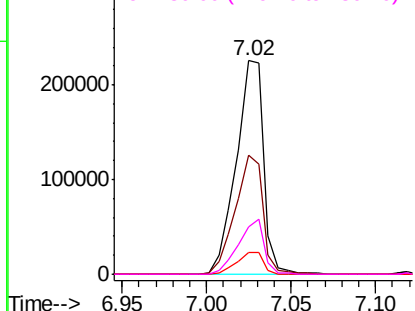
#19
n-Nitroso-di-n-propylamine
Concen: 22.258 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:	70	Resp:	256029
Ion	Ratio	Lower	Upper
70	100		
42	55.6	42.6	63.8
101	10.3	8.0	12.0
130	22.2	19.4	29.0



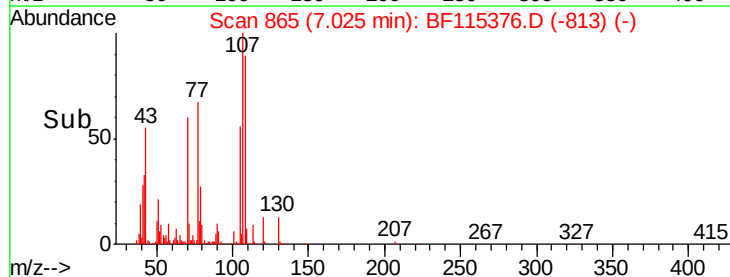
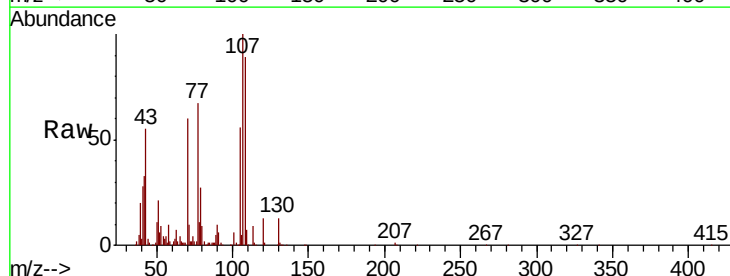
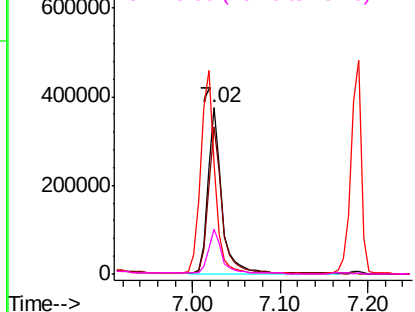
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

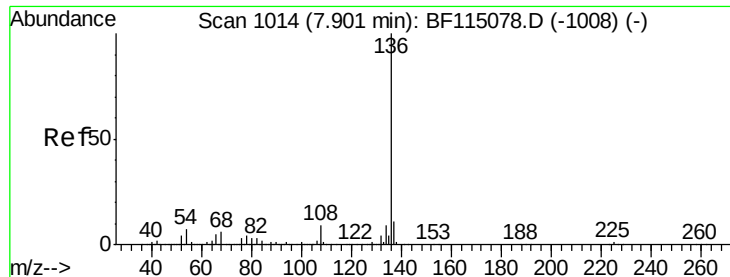


#20
3+4-Methylphenols
Concen: 25.504 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:	107	Resp:	404609
Ion	Ratio	Lower	Upper
107	100		
108	88.7	75.5	115.5
77	66.5	80.2	120.2#
79	27.2	9.5	49.5

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

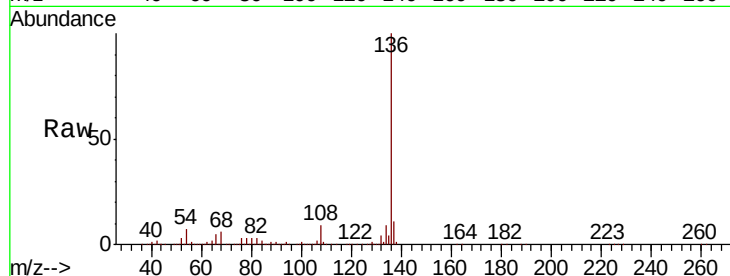




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:	136	Resp:	890192
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	6.5	5.6	8.4
68	5.8	4.8	7.2



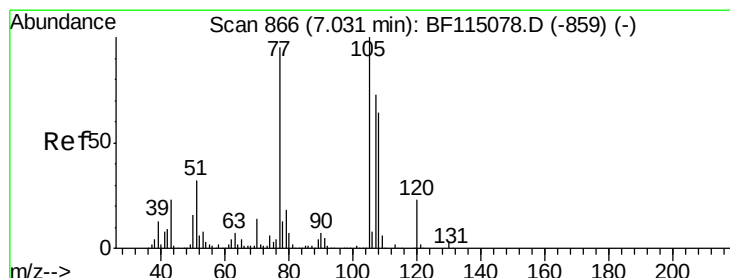
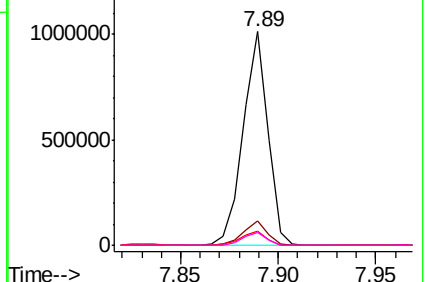
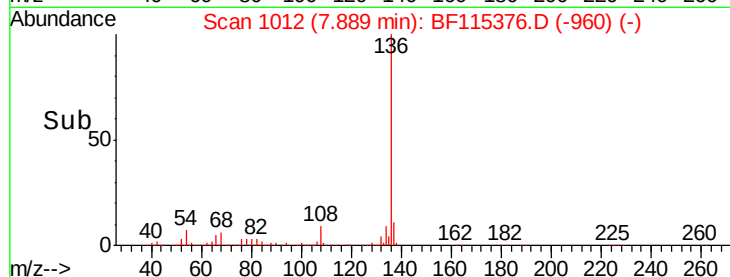
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

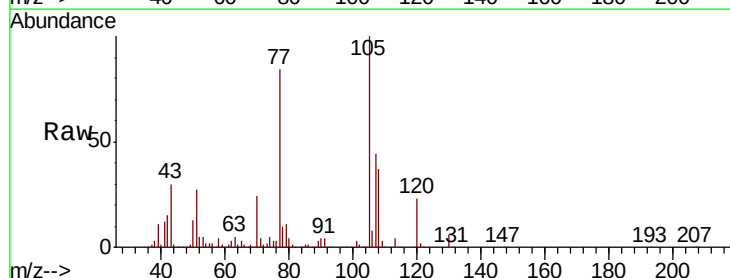
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 26.832 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:	105	Resp:	546824
Ion Ratio	Lower	Upper	
105	100		
71	4.3	1.9	2.9#
51	27.1	25.8	38.8
120	23.0	18.5	27.7



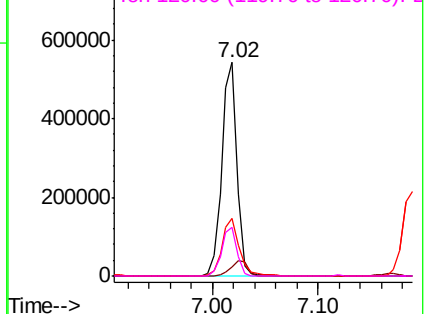
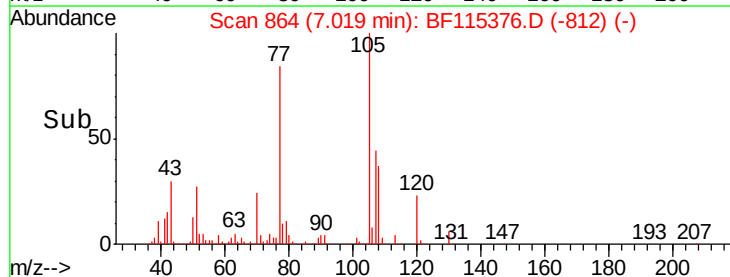
Abundance

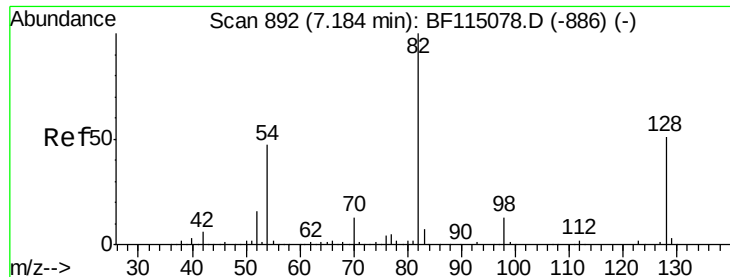
Ion 105.00 (104.70 to 105.70): E

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

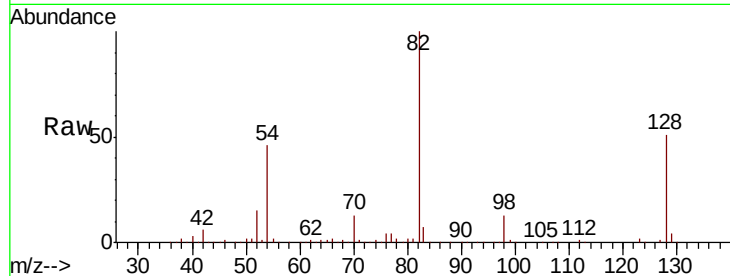




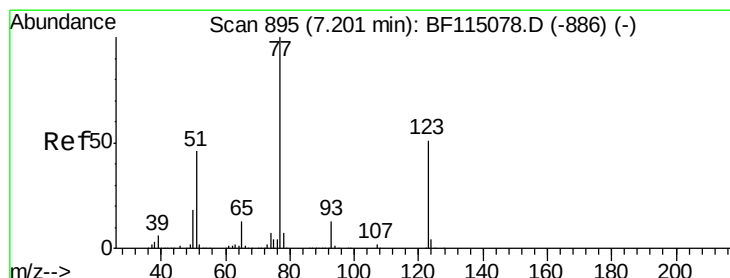
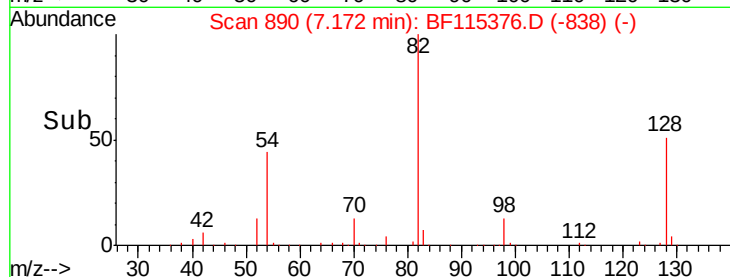
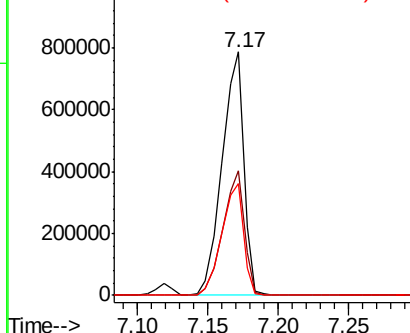
#23
 Nitrobenzene-d5
 Concen: 58.233 ng
 RT: 7.17 min Scan# 890
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion: 82 Resp: 842686
 Ion Ratio Lower Upper
 82 100
 128 51.3 40.4 60.6
 54 45.7 37.5 56.3

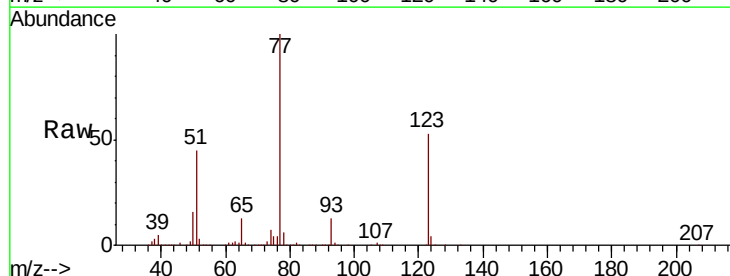


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

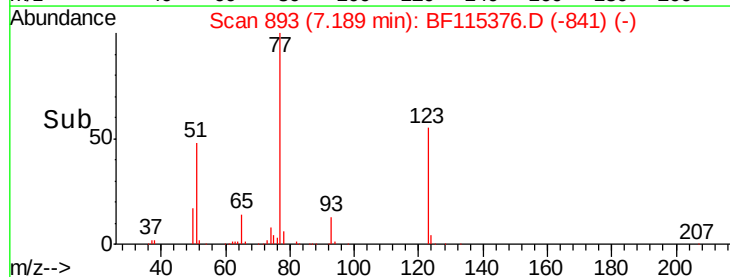
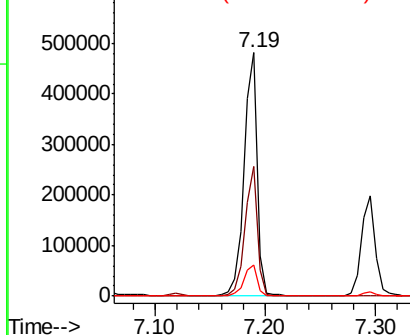


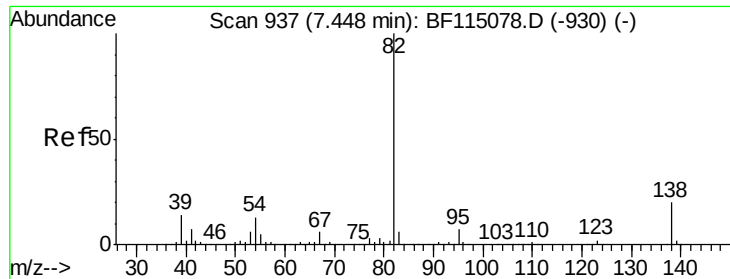
#24
 Nitrobenzene
 Concen: 25.222 ng
 RT: 7.19 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion: 77 Resp: 402103
 Ion Ratio Lower Upper
 77 100
 123 53.2 41.0 61.6
 65 12.7 10.5 15.7



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: 24.062 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

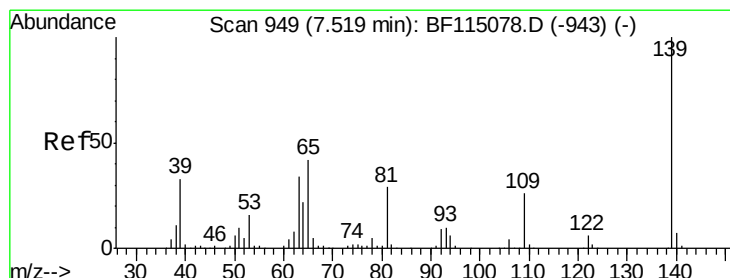
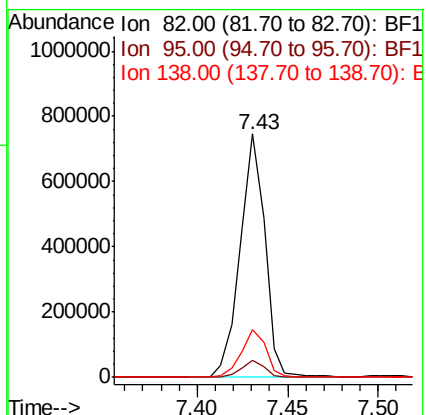
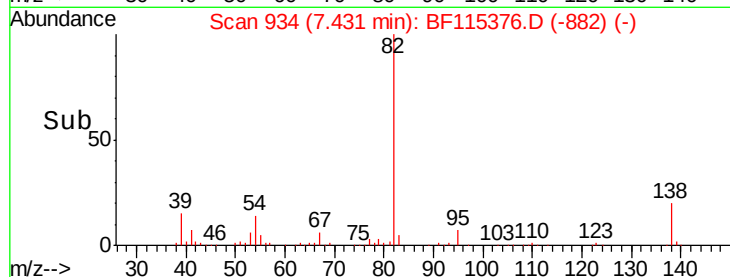
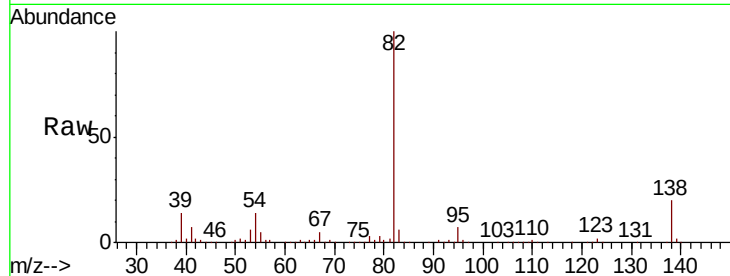
Tgt Ion: 82 Resp: 713318

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 19.6 15.9 23.9



#26

2-Nitrophenol

Concen: 26.770 ng

RT: 7.51 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

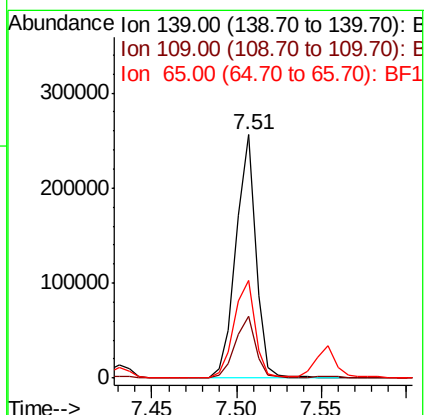
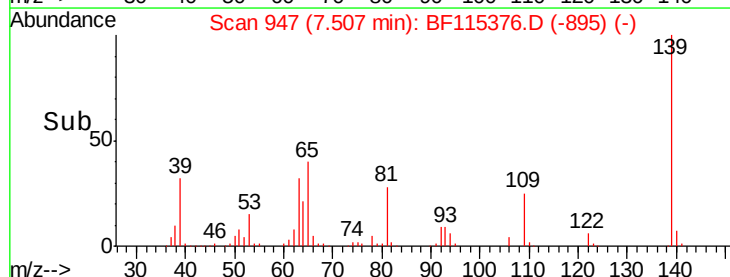
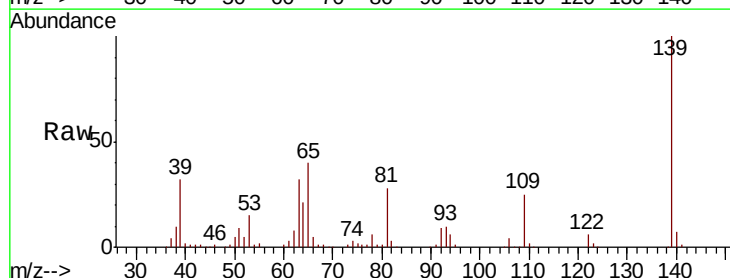
Tgt Ion: 139 Resp: 210761

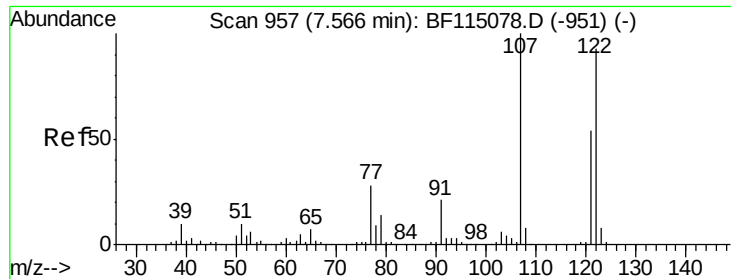
Ion Ratio Lower Upper

139 100

109 25.2 20.4 30.6

65 40.4 33.6 50.4

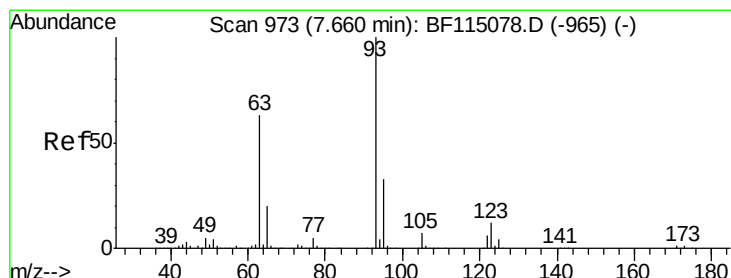
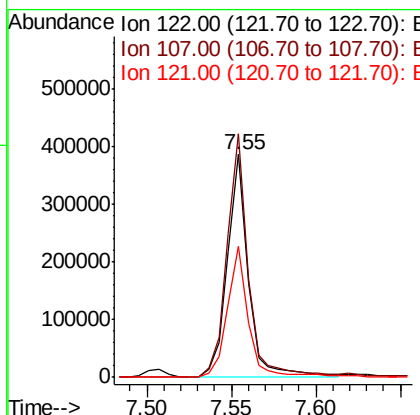
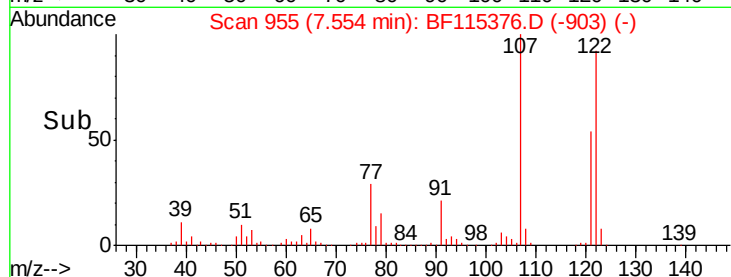
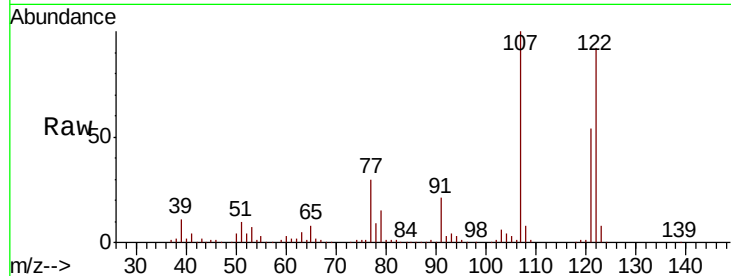




#27
2,4-Dimethylphenol
Concen: 25.979 ng
RT: 7.55 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

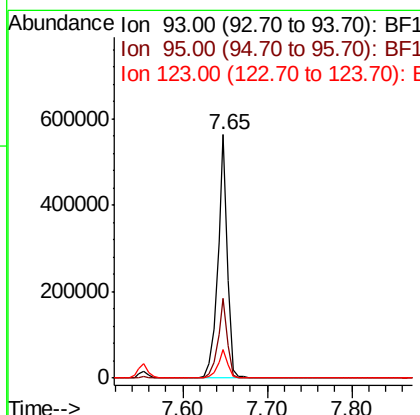
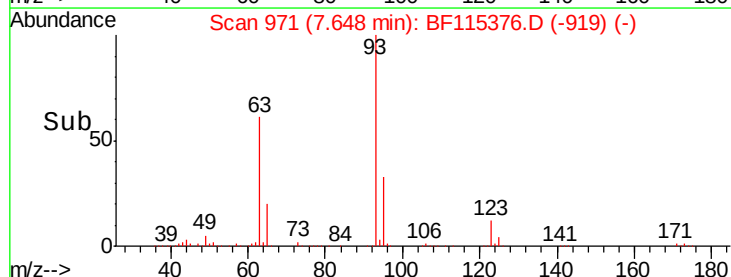
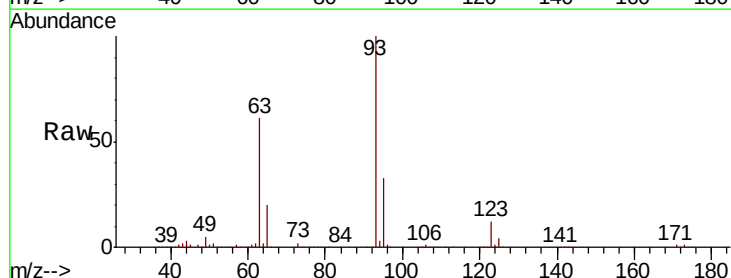
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

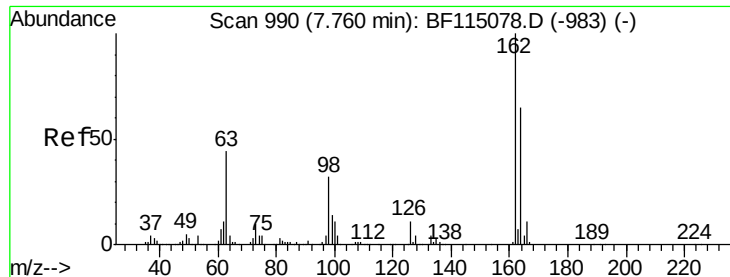
Tgt Ion:122 Resp: 334882
Ion Ratio Lower Upper
122 100
107 109.1 85.8 128.6
121 58.7 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 24.525 ng
RT: 7.65 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion: 93 Resp: 459512
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.4
123 11.9 9.7 14.5

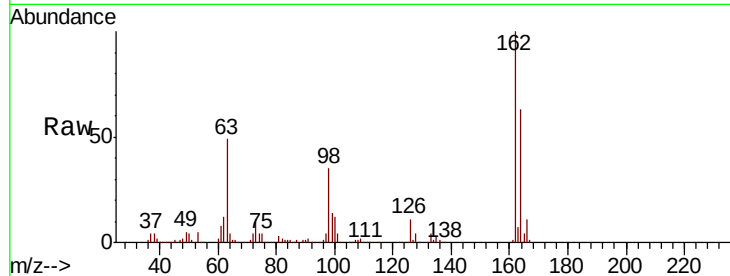




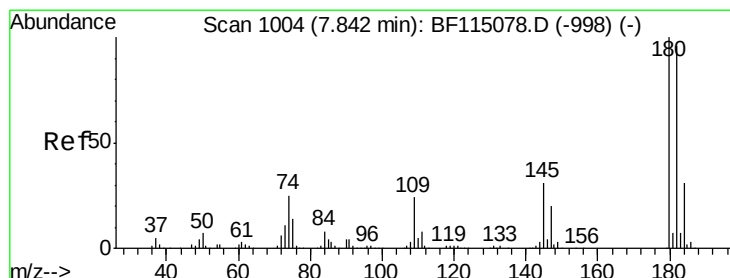
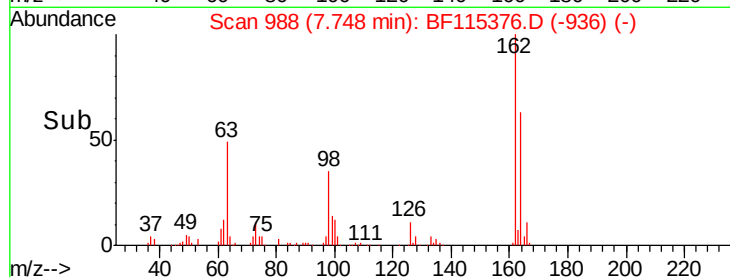
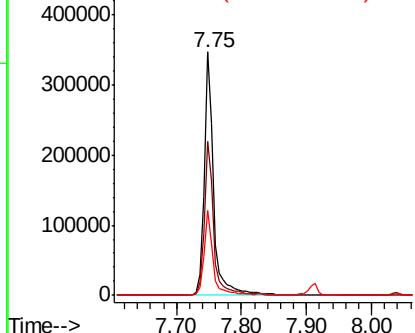
#29
2,4-Dichlorophenol
Concen: 26.011 ng
RT: 7.75 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:162 Resp: 346021
Ion Ratio Lower Upper
162 100
164 63.1 45.3 85.3
98 34.7 12.5 52.5

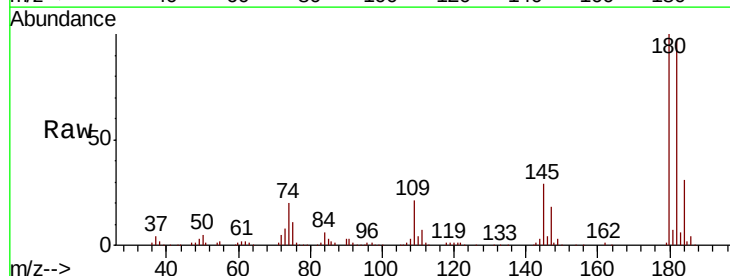


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

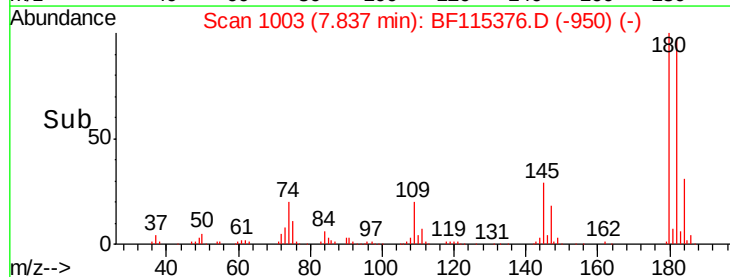
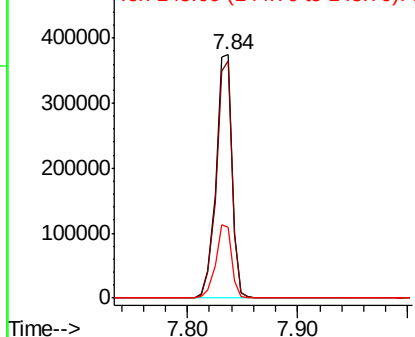


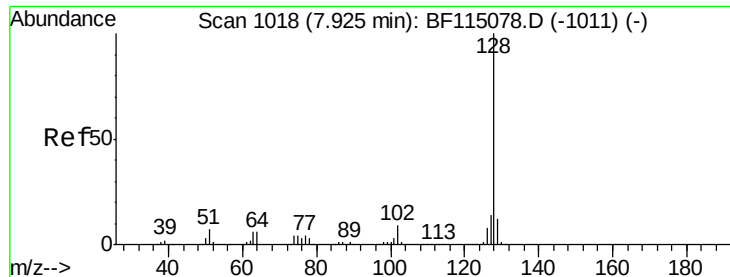
#30
1,2,4-Trichlorobenzene
Concen: 25.716 ng
RT: 7.84 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:180 Resp: 377871
Ion Ratio Lower Upper
180 100
182 97.4 76.4 114.6
145 28.9 24.8 37.2



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

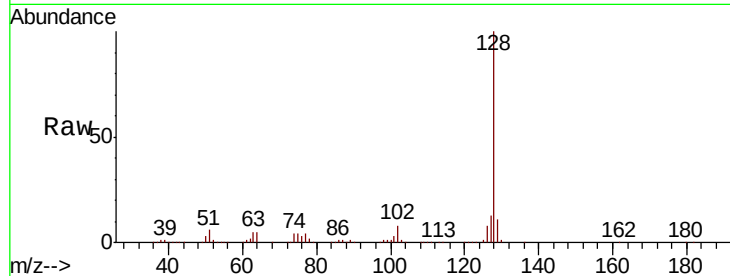




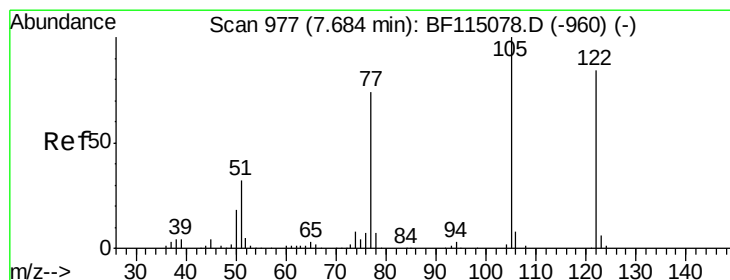
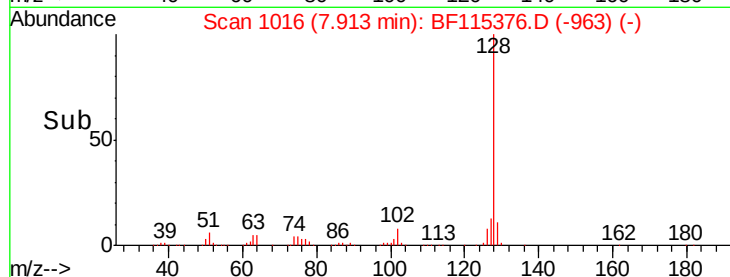
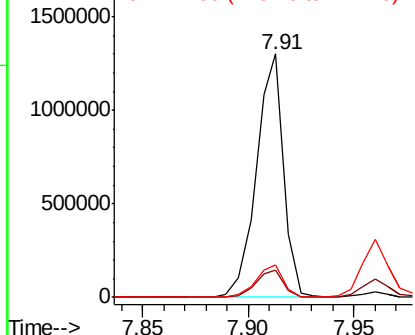
#31
Naphthalene
Concen: 26.614 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:128 Resp: 1162953
Ion Ratio Lower Upper
128 100
129 11.3 9.6 14.4
127 13.3 11.4 17.0

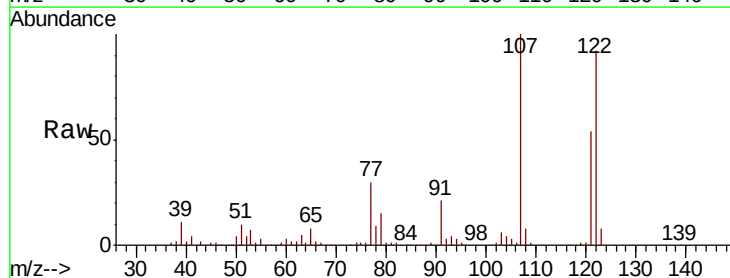


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

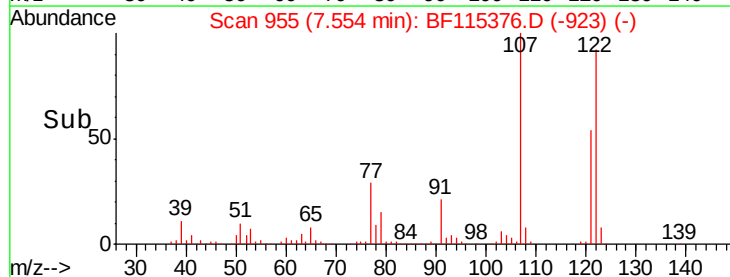
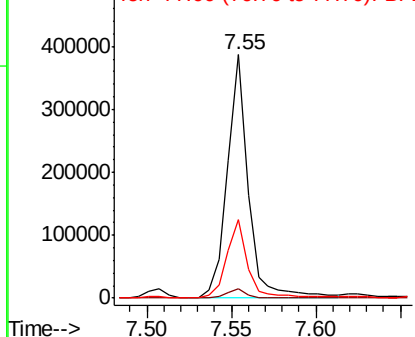


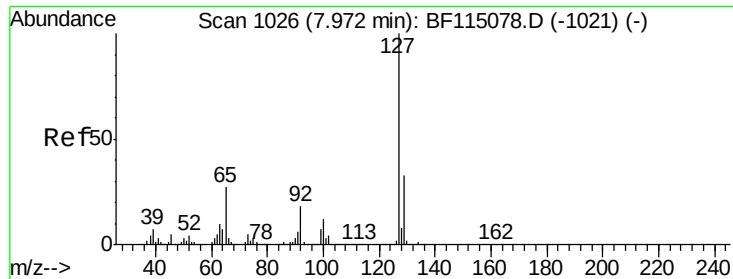
#32
Benzoic acid
Concen: 36.395 ng
RT: 7.55 min Scan# 955
Delta R.T. -0.11 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:122 Resp: 334882
Ion Ratio Lower Upper
122 100
105 3.6 98.2 138.2#
77 32.2 67.0 107.0#



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

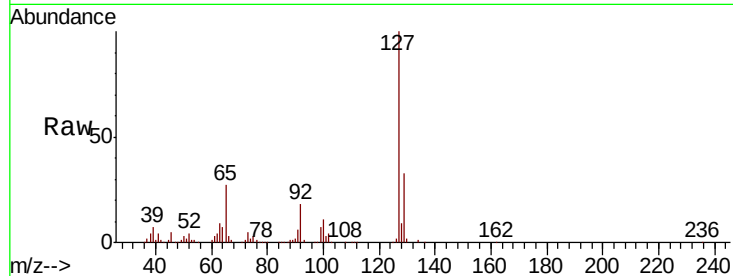




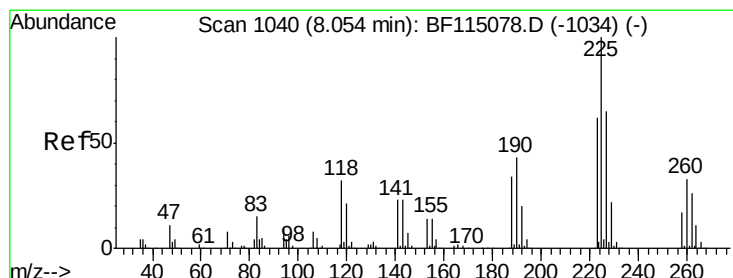
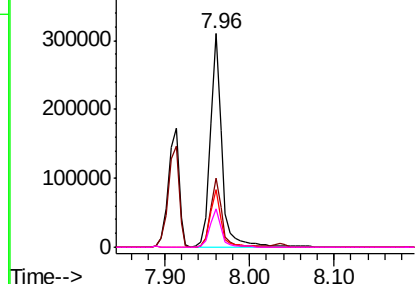
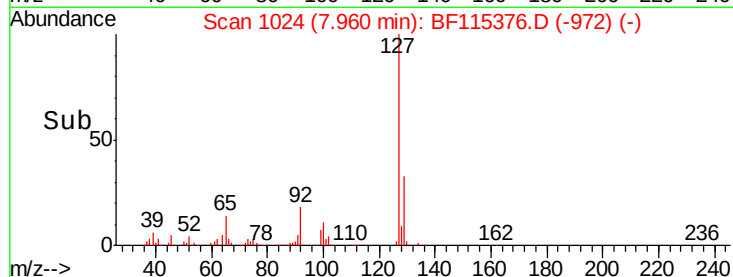
#33
4-Chloroaniline
Concen: 14.906 ng
RT: 7.96 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:	127	Resp:	297684
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	26.7	21.4	32.2
92	17.9	14.1	21.1

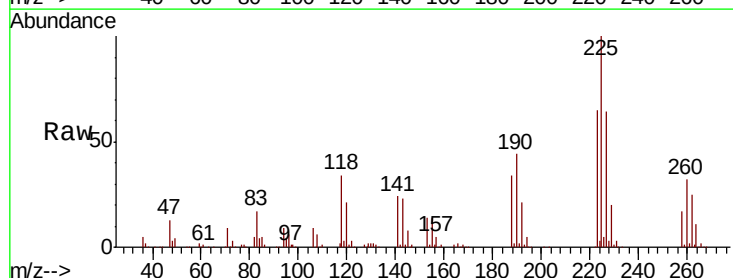


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

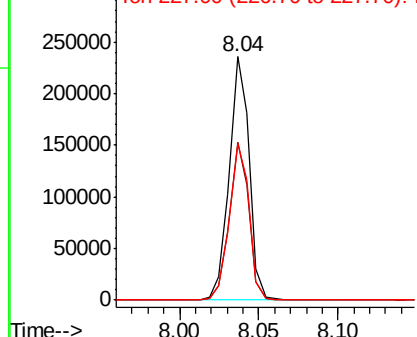
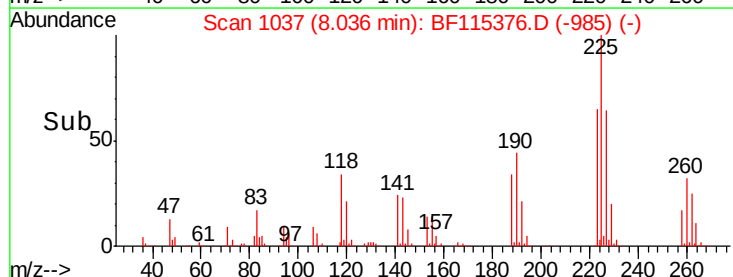


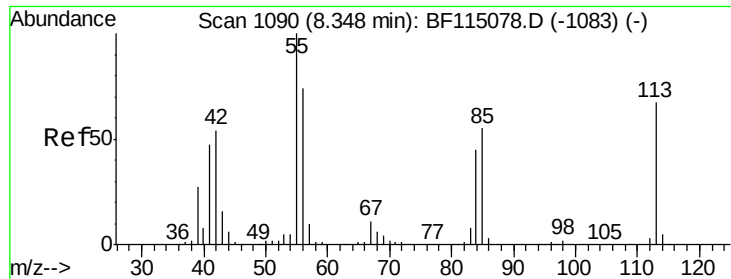
#34
Hexachlorobutadiene
Concen: 25.472 ng
RT: 8.04 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:	225	Resp:	205111
Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.4	74.2
227	64.1	51.8	77.8



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

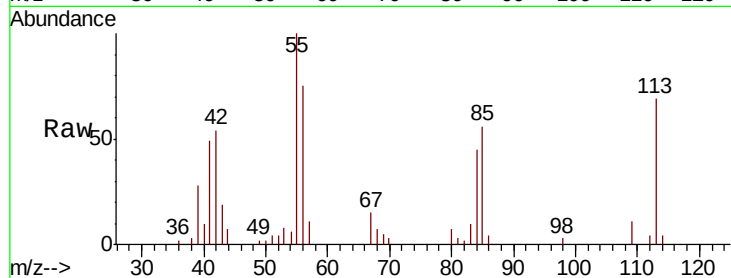




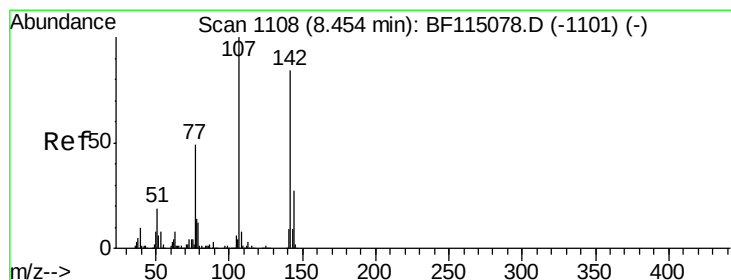
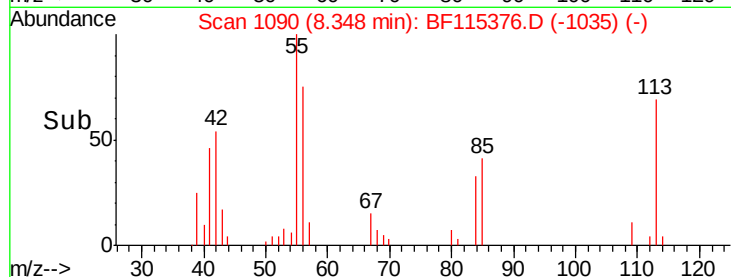
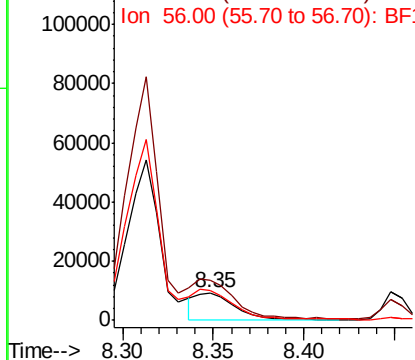
#35
 Caprolactam
 Concen: 3.172 ng
 RT: 8.35 min Scan# 1090
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion:113 Resp: 14186
 Ion Ratio Lower Upper
 113 100
 55 145.5 130.2 170.2
 56 109.4 91.6 131.6

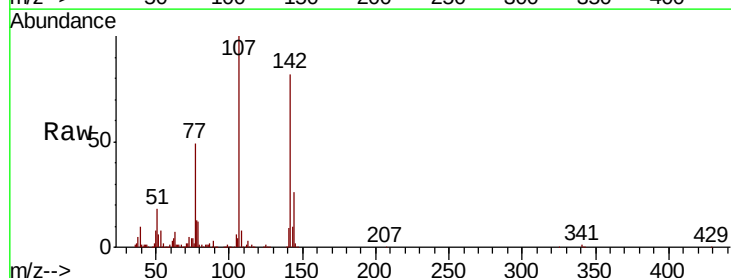


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

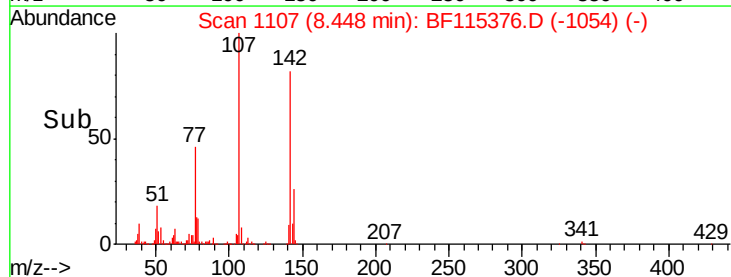
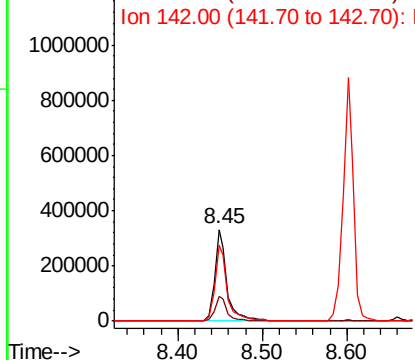


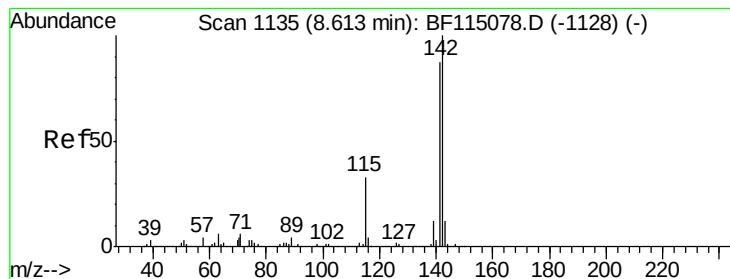
#36
 4-Chloro-3-methylphenol
 Concen: 25.612 ng
 RT: 8.45 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:107 Resp: 345052
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.7 32.5
 142 82.5 67.0 100.4



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: 26.551 ng

RT: 8.60 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

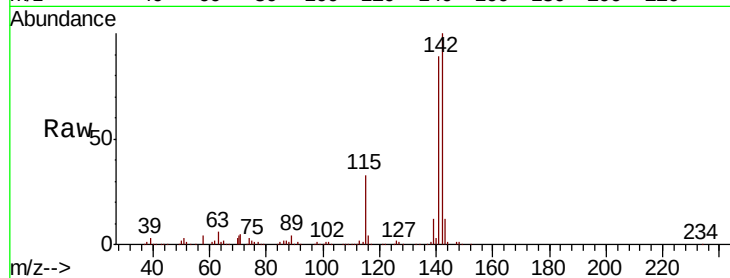
Tgt Ion:142 Resp: 782285

Ion Ratio Lower Upper

142 100

141 88.5 69.8 104.6

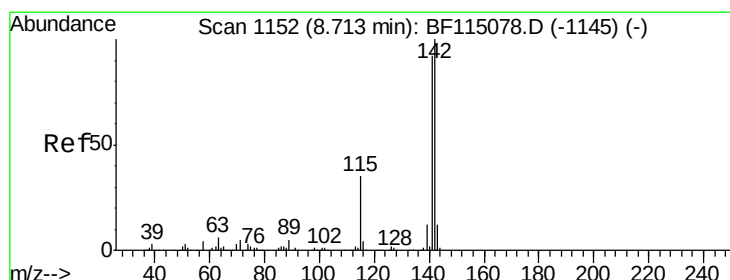
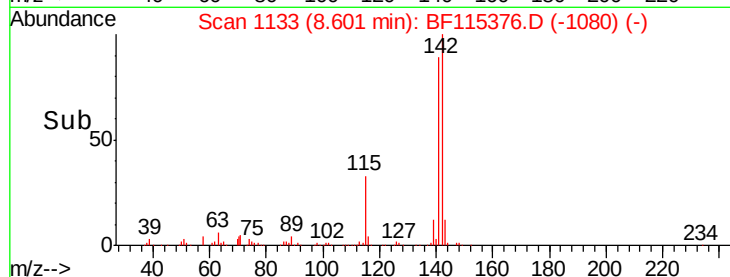
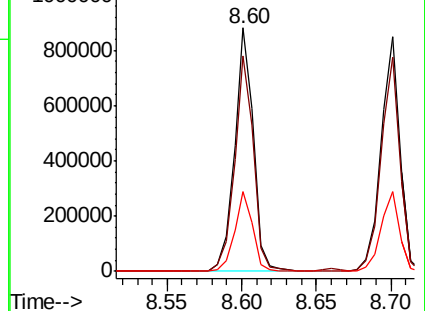
115 32.8 26.7 40.1



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: 25.995 ng

RT: 8.70 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

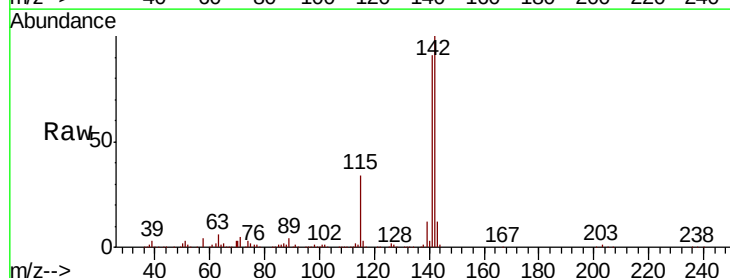
Tgt Ion:142 Resp: 731486

Ion Ratio Lower Upper

142 100

141 91.3 73.8 110.8

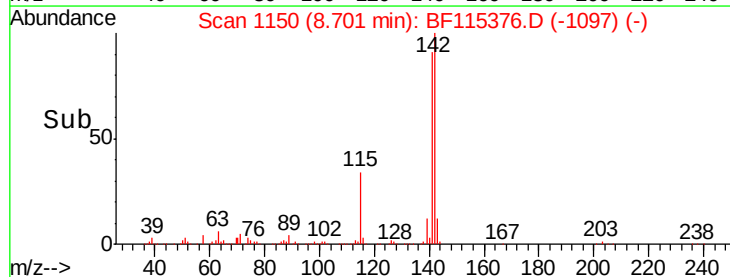
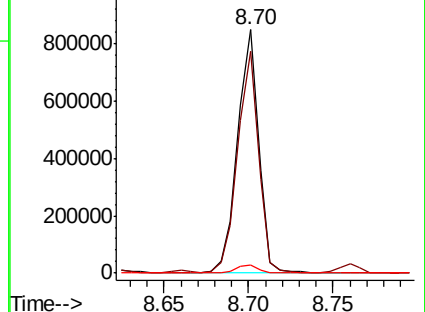
116 3.5 2.8 4.2

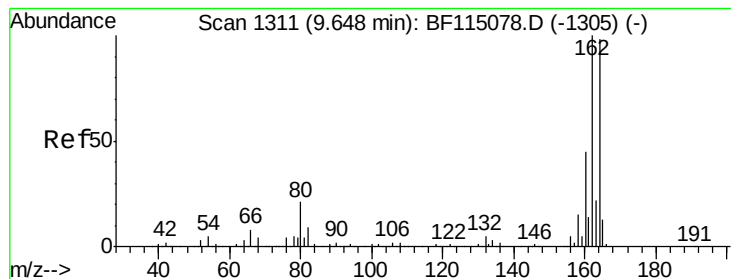


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

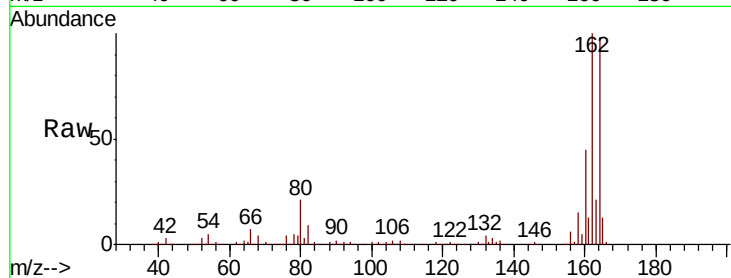
Tgt Ion:164 Resp: 432697

Ion Ratio Lower Upper

164 100

162 101.5 81.7 122.5

160 45.2 37.0 55.4

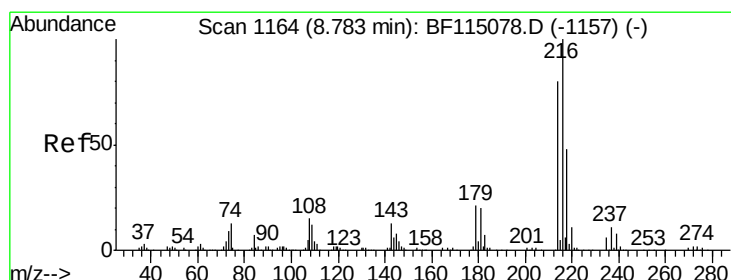
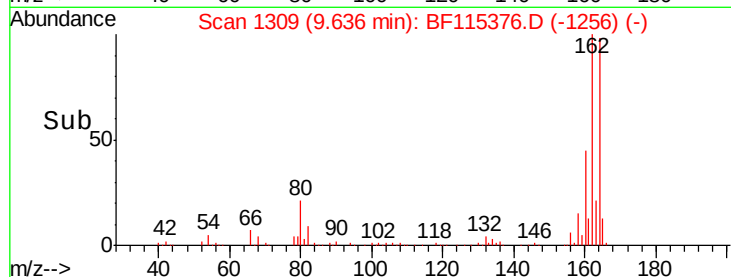
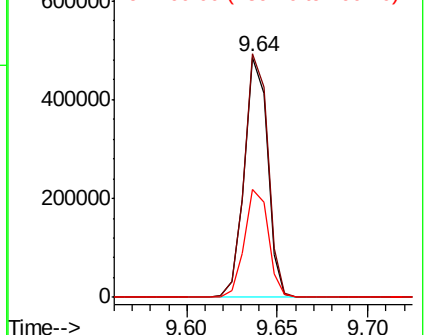


Abundance

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: 28.651 ng

RT: 8.77 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:216 Resp: 350322

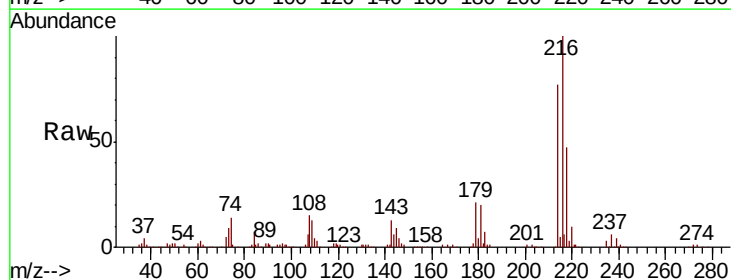
Ion Ratio Lower Upper

216 100

214 78.7 63.8 95.6

179 21.9 17.6 26.4

108 18.6 15.7 23.5



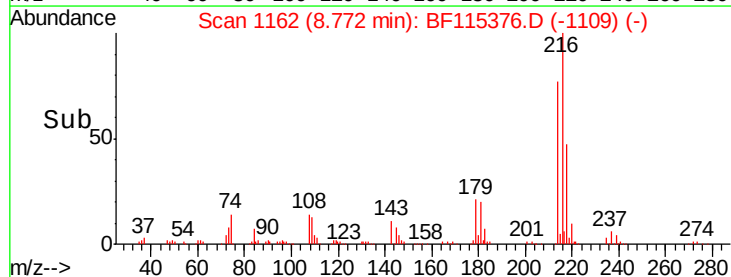
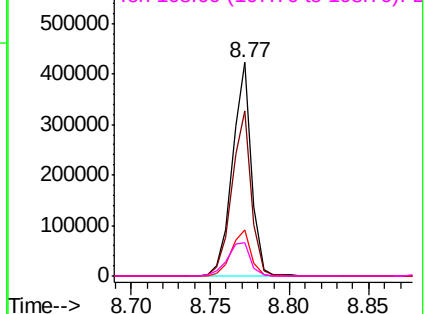
Abundance

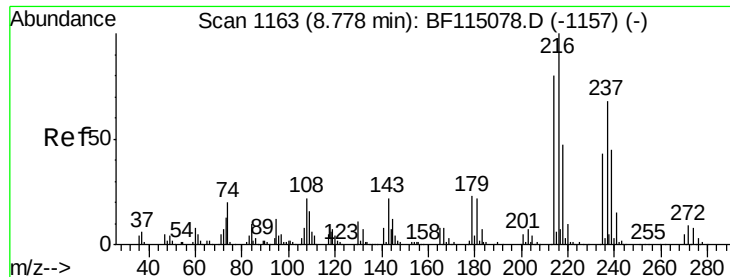
Ion 216.00 (215.70 to 216.70): E

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: 29.067 ng

RT: 8.76 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

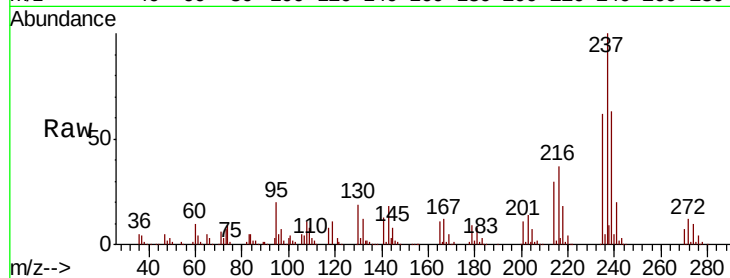
Tgt Ion: 237 Resp: 210747

Ion Ratio Lower Upper

237 100

235 62.5 43.9 83.9

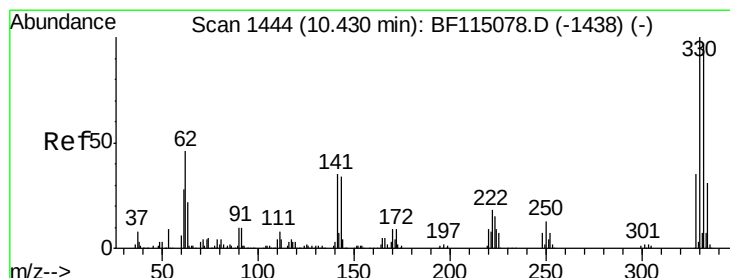
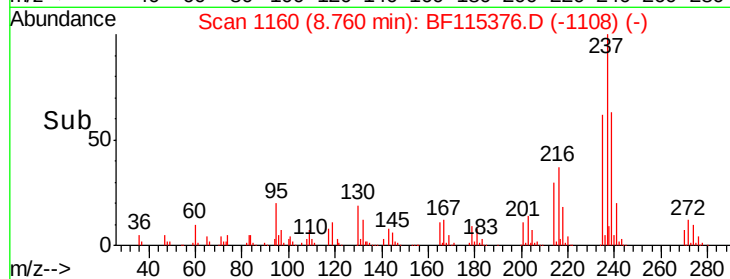
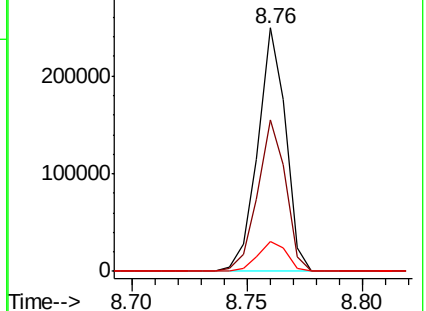
272 12.5 0.0 33.8



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: 78.932 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

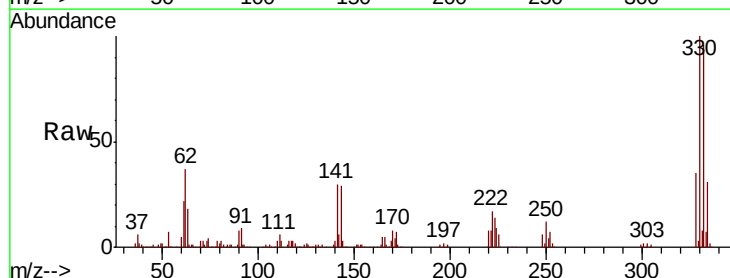
Tgt Ion: 330 Resp: 360162

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

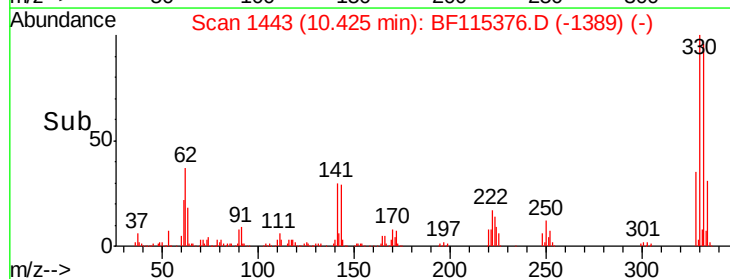
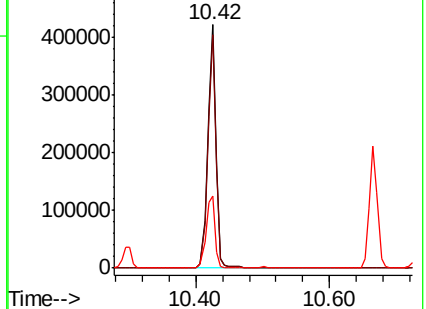
141 32.1 28.2 42.2

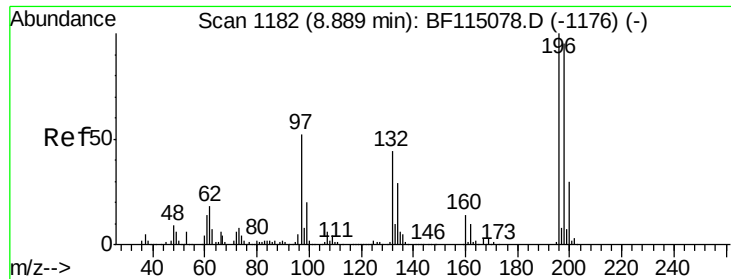


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

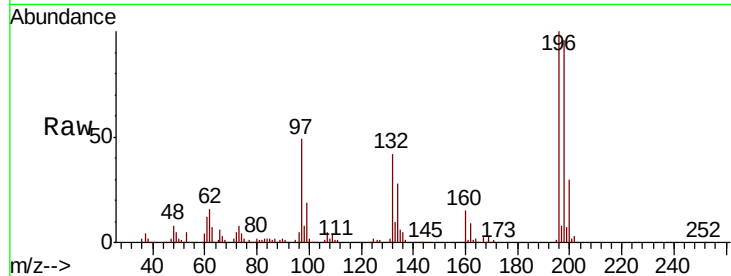




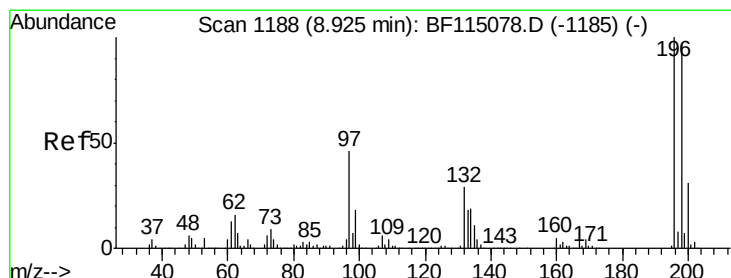
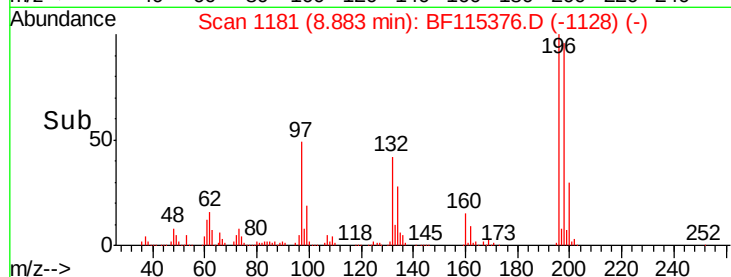
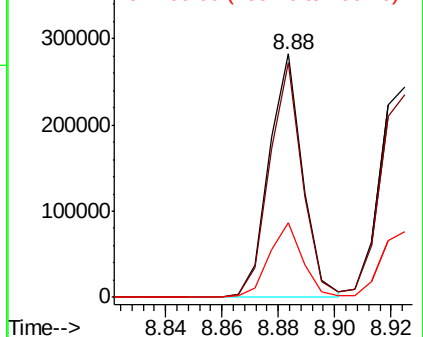
#43
 2,4,6-Trichlorophenol
 Concen: 24.609 ng
 RT: 8.88 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion:196 Resp: 232304
 Ion Ratio Lower Upper
 196 100
 198 96.4 76.3 114.5
 200 30.4 24.2 36.4

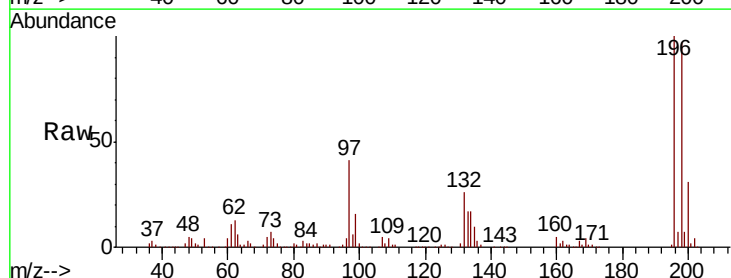


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

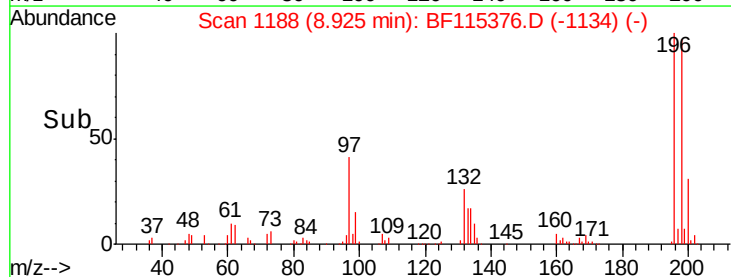
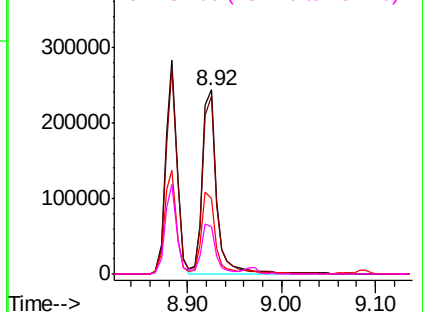


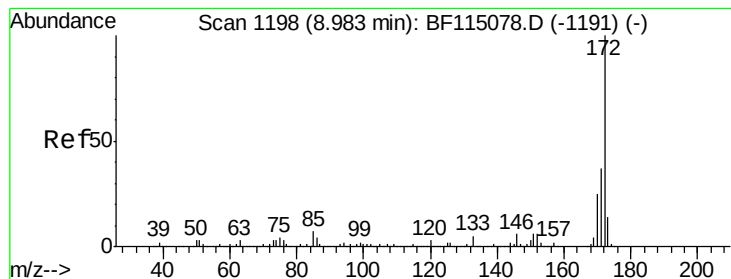
#44
 2,4,5-Trichlorophenol
 Concen: 26.549 ng
 RT: 8.92 min Scan# 1188
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:196 Resp: 258094
 Ion Ratio Lower Upper
 196 100
 198 96.8 77.1 115.7
 97 40.9 37.7 56.5
 132 26.0 23.1 34.7



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: 63.522 ng

RT: 8.97 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

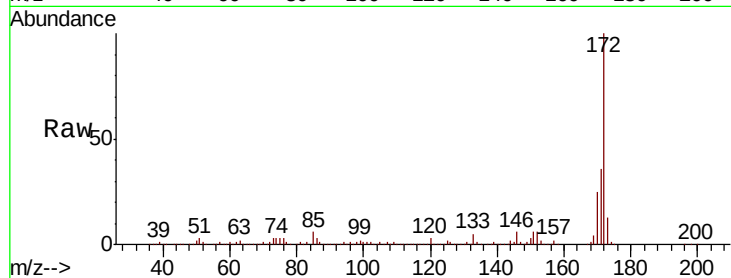
Tgt Ion:172 Resp: 1618119

Ion Ratio Lower Upper

172 100

171 36.1 29.8 44.6

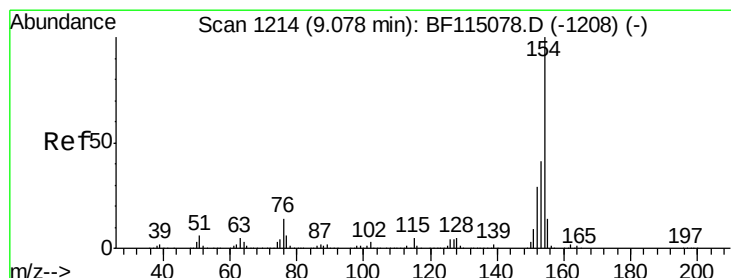
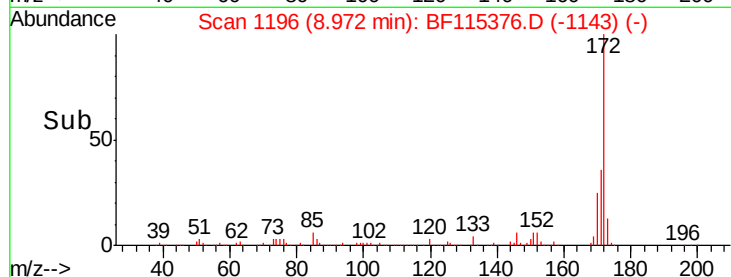
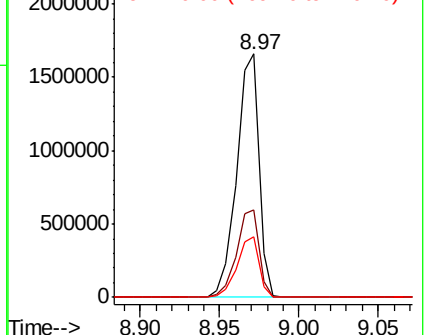
170 24.9 20.3 30.5



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: 26.977 ng

RT: 9.07 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

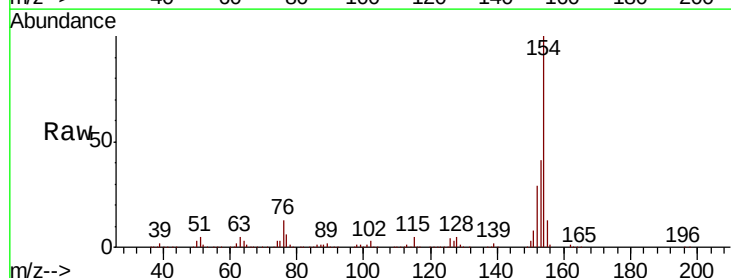
Tgt Ion:154 Resp: 933992

Ion Ratio Lower Upper

154 100

153 40.8 20.9 60.9

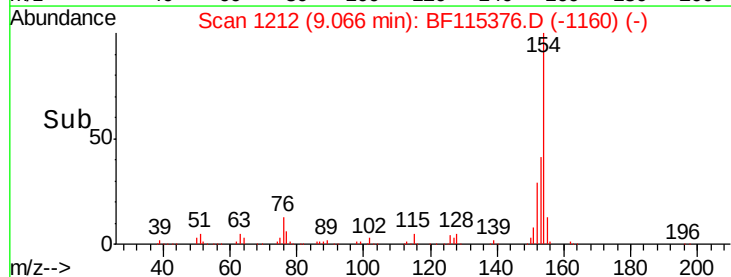
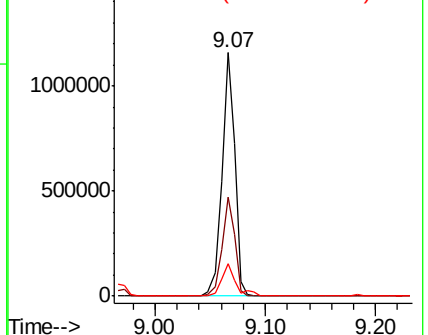
76 13.2 0.0 34.1

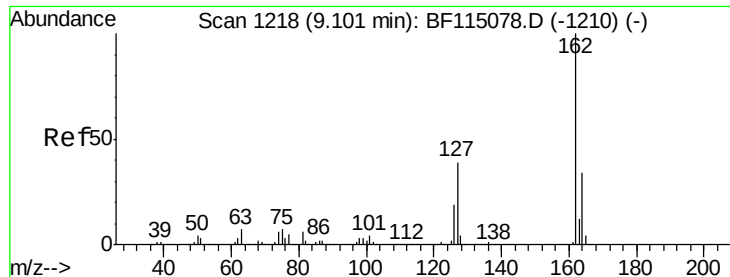


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

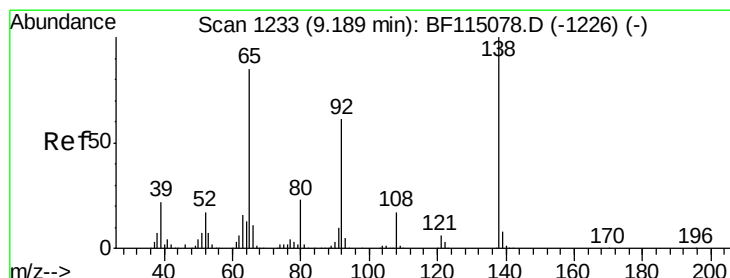
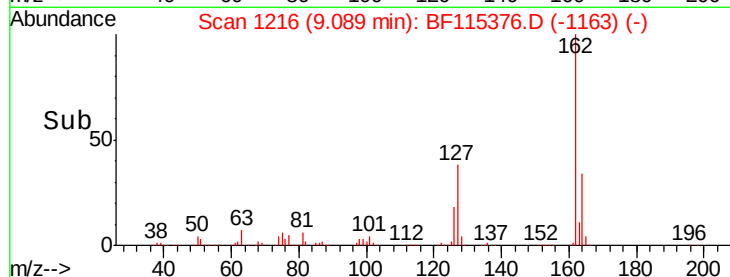
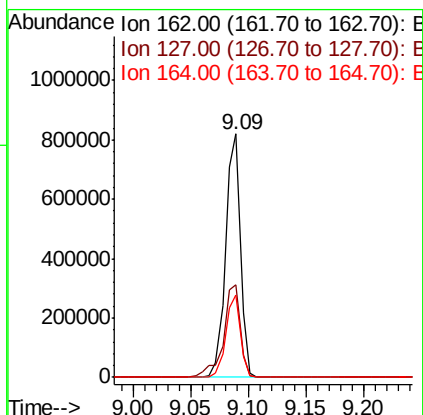
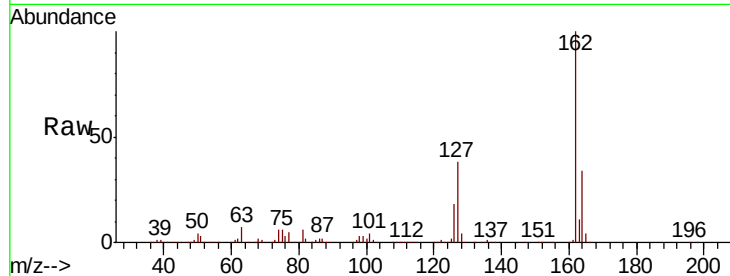




#47
 2-Chloronaphthalene
 Concen: 26.034 ng
 RT: 9.09 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

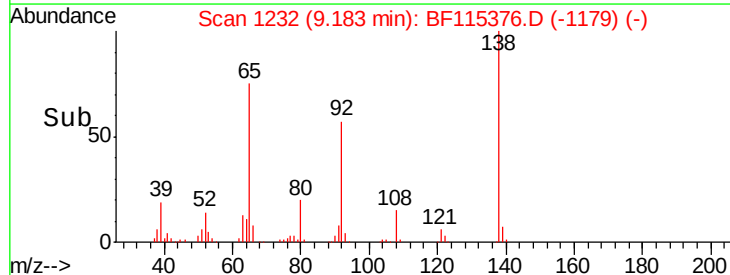
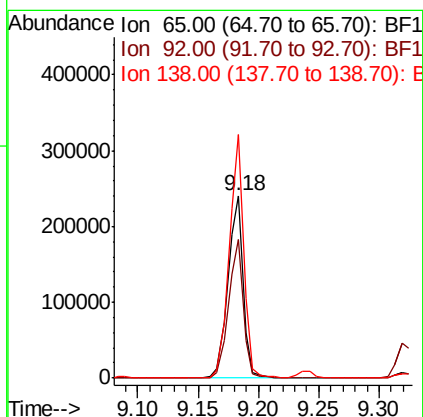
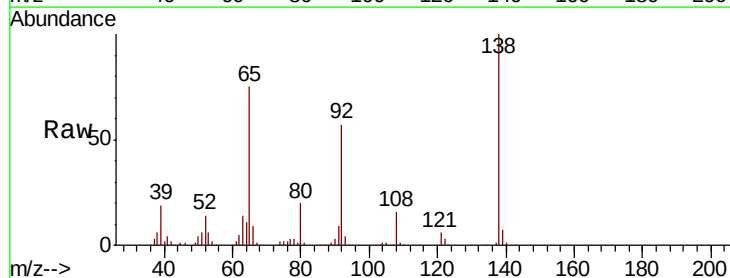
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

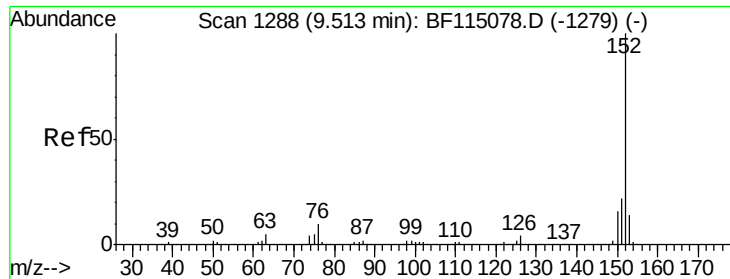
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.8	46.2
164	33.8	27.0	40.4



#48
 2-Nitroaniline
 Concen: 25.700 ng
 RT: 9.18 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.0	57.4	86.2
138	133.4	94.1	141.1





#49

Acenaphthylene

Concen: 26.494 ng

RT: 9.50 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

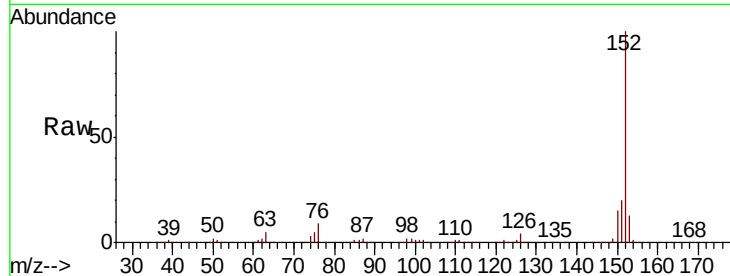
Tgt Ion:152 Resp: 1159239

Ion Ratio Lower Upper

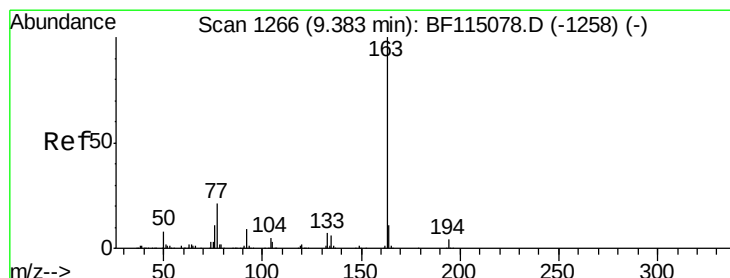
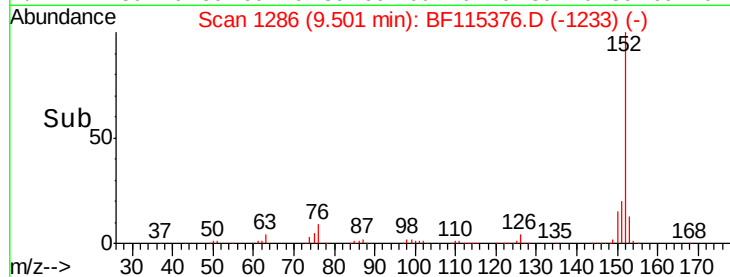
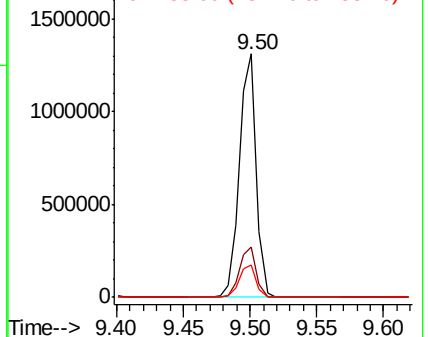
152 100

151 20.4 17.2 25.8

153 13.2 11.0 16.6



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: 33.656 ng

RT: 9.37 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

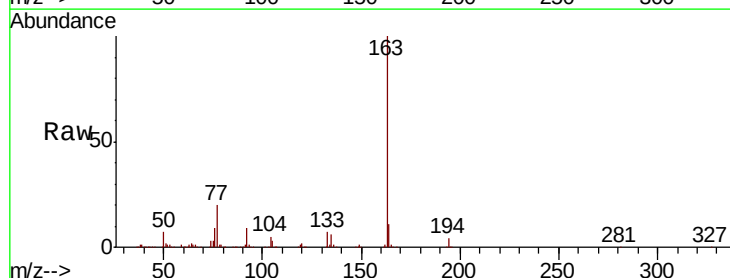
Tgt Ion:163 Resp: 1071423

Ion Ratio Lower Upper

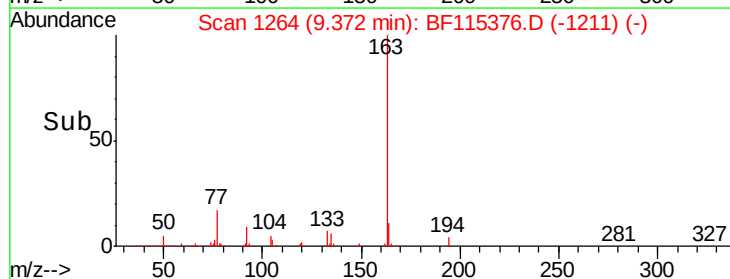
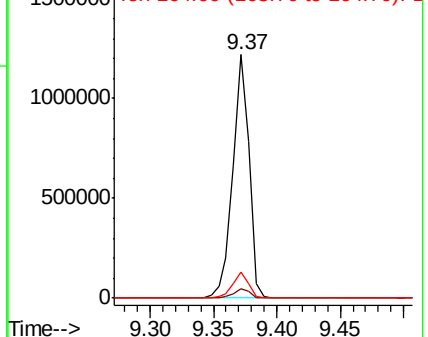
163 100

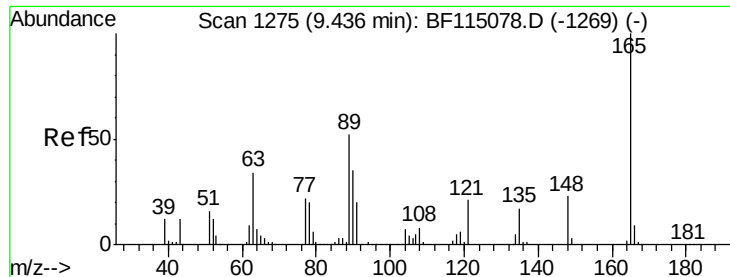
194 4.0 3.2 4.8

164 10.7 8.6 13.0



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

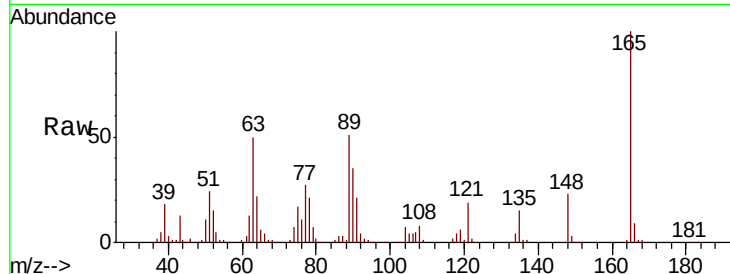




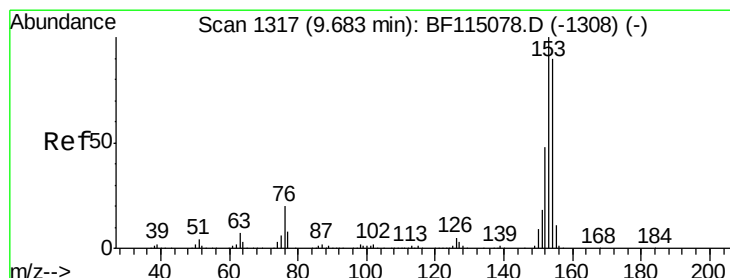
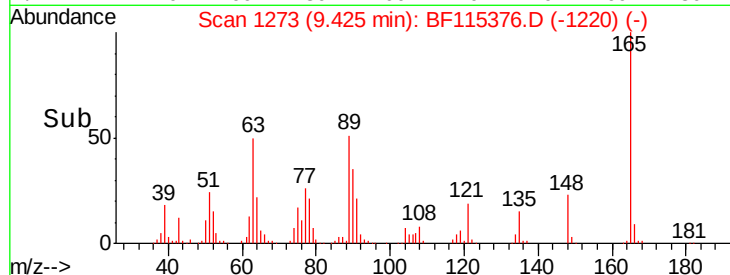
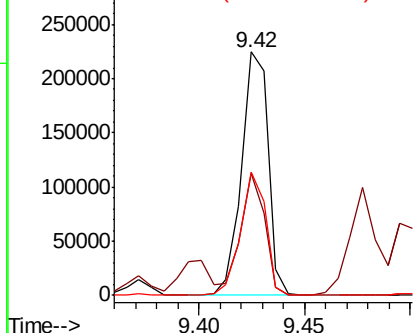
#51
 2,6-Dinitrotoluene
 Concen: 26.819 ng
 RT: 9.42 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion:165 Resp: 197111
 Ion Ratio Lower Upper
 165 100
 63 50.1 39.4 59.2
 89 50.6 42.0 63.0

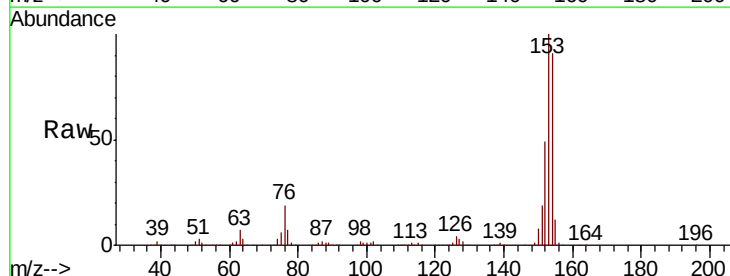


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

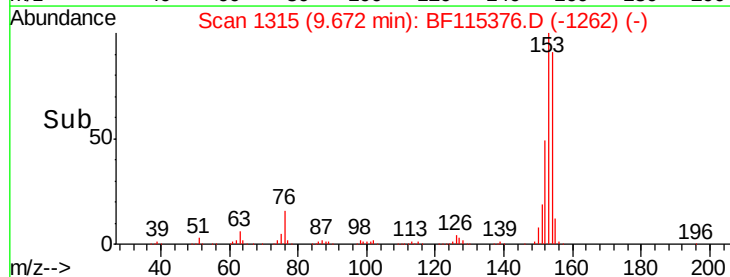
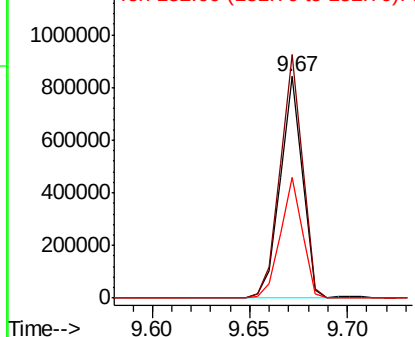


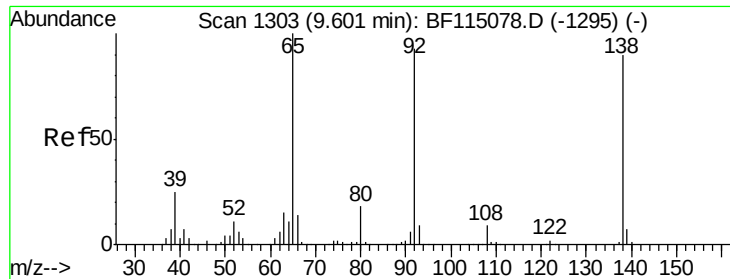
#52
 Acenaphthene
 Concen: 24.440 ng
 RT: 9.67 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:154 Resp: 669160
 Ion Ratio Lower Upper
 154 100
 153 110.0 88.7 133.1
 152 54.4 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

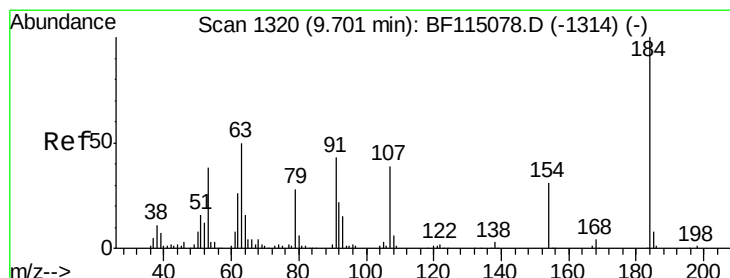
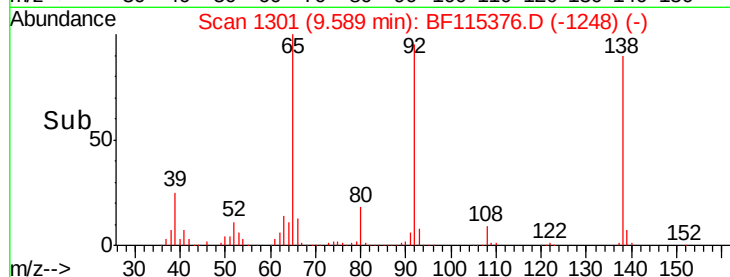
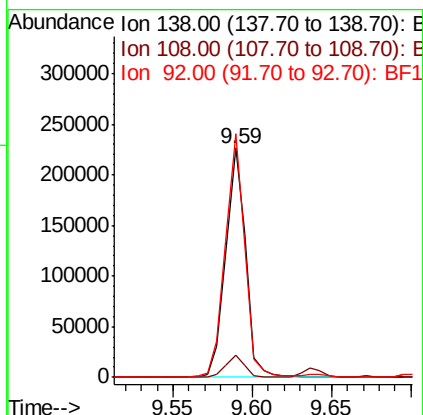
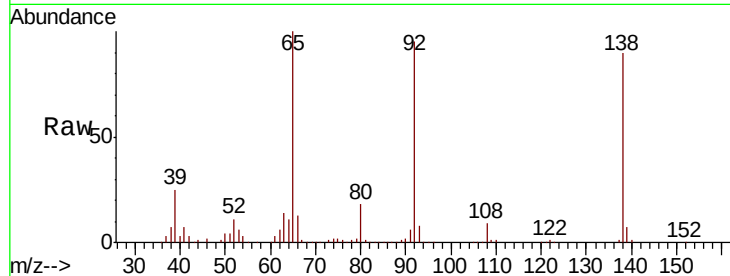




#53
 3-Nitroaniline
 Concen: 22.078 ng
 RT: 9.59 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

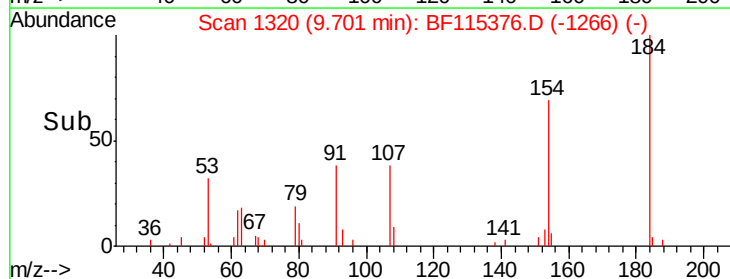
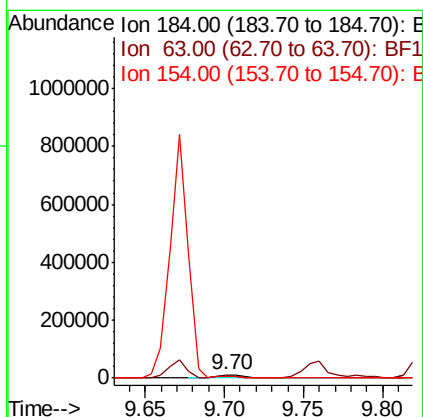
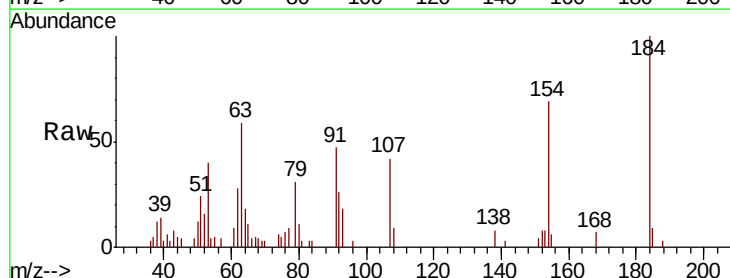
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

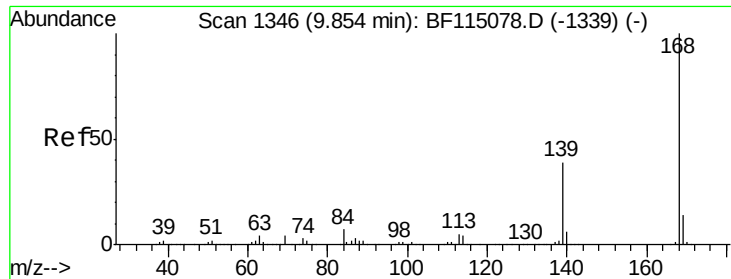
Tgt Ion:138 Resp: 198012
 Ion Ratio Lower Upper
 138 100
 108 9.8 7.8 11.6
 92 106.1 82.9 124.3



#54
 2,4-Dinitrophenol
 Concen: 10.698 ng
 RT: 9.70 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:184 Resp: 13968
 Ion Ratio Lower Upper
 184 100
 63 59.4 41.9 62.9
 154 68.7 44.7 67.1#

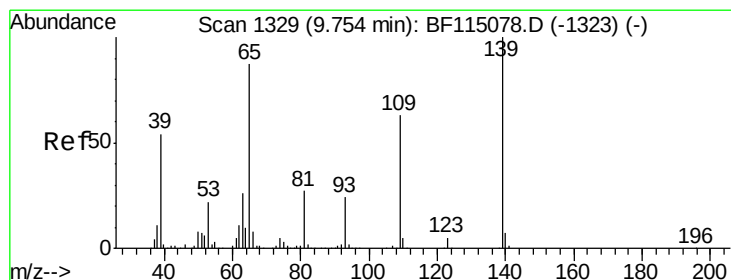
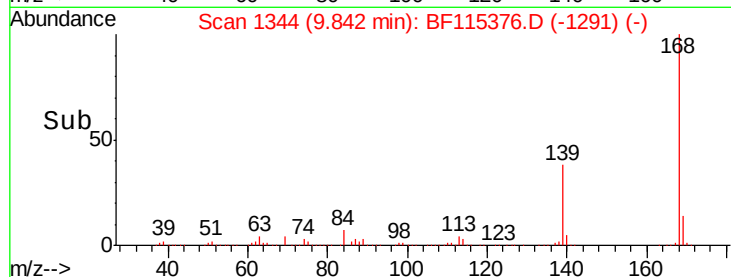
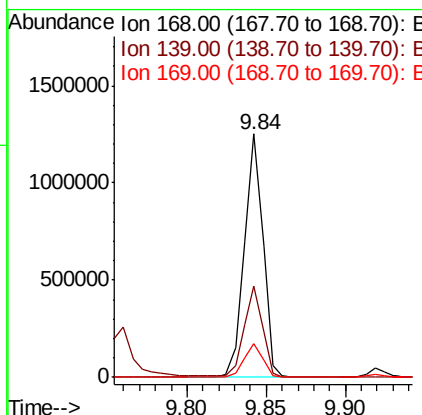
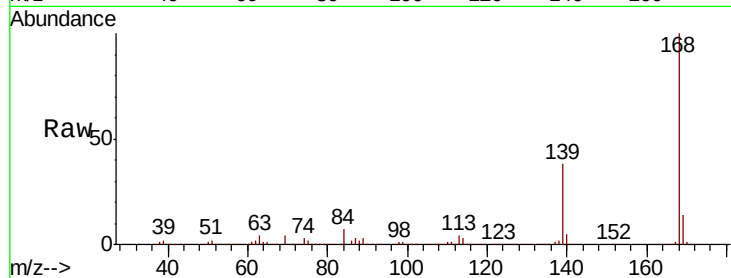




#55
Dibenzenofuran
Concen: 25.786 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

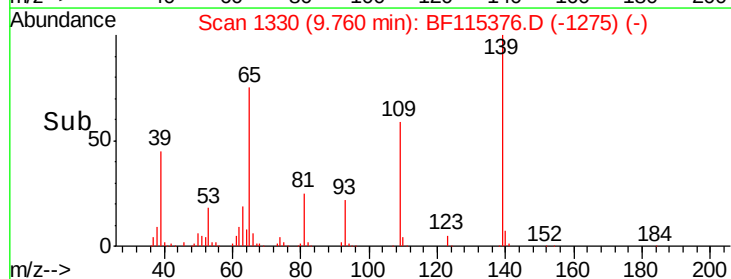
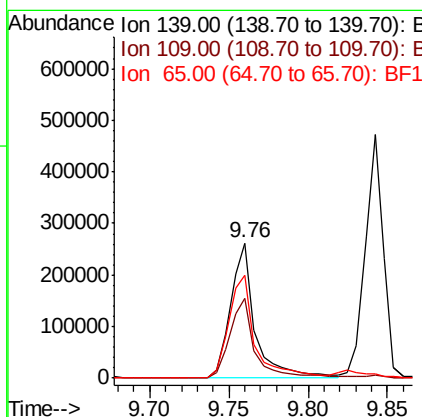
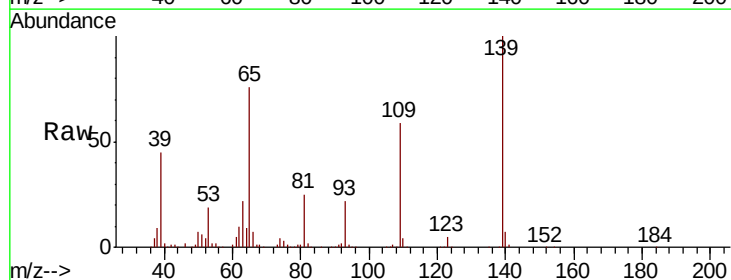
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

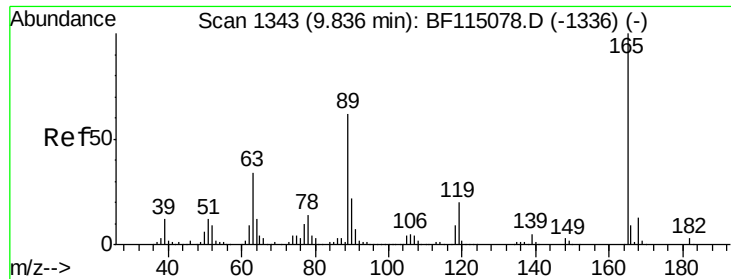
Tgt Ion:168 Resp: 1013319
Ion Ratio Lower Upper
168 100
139 37.7 31.1 46.7
169 14.0 11.3 16.9



#56
4-Nitrophenol
Concen: 39.347 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:139 Resp: 282918
Ion Ratio Lower Upper
139 100
109 59.0 43.0 83.0
65 75.8 67.0 107.0

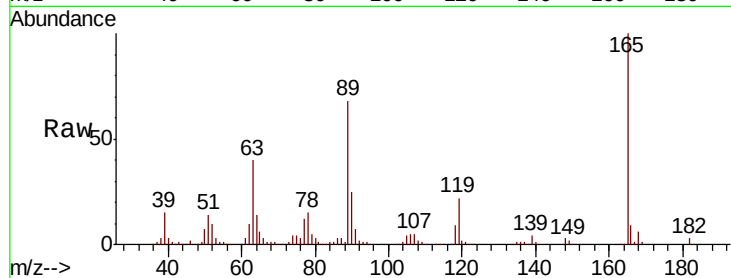




#57
2,4-Dinitrotoluene
Concen: 26.727 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.1	27.5	41.3
89	67.8	49.9	74.9
182	2.6	2.1	3.1



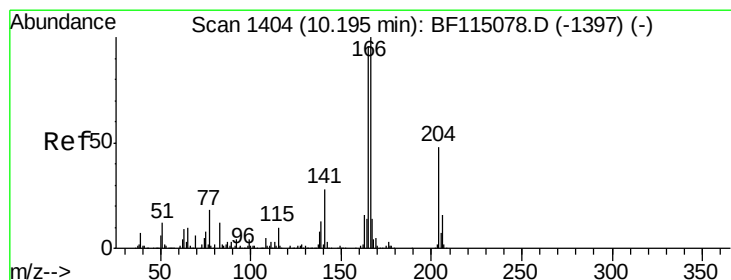
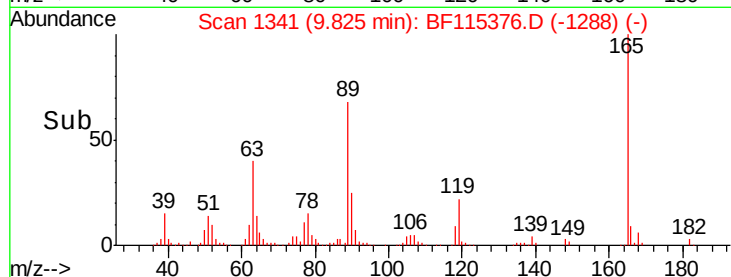
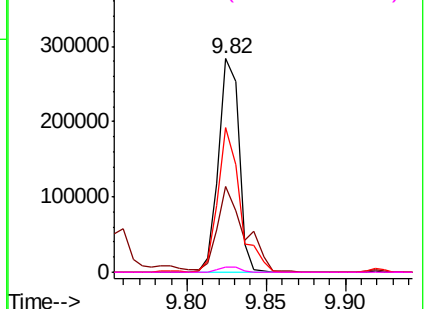
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

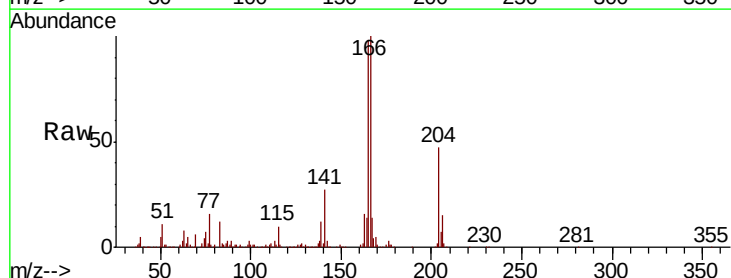
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 25.148 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	76.5	114.7
167	13.6	11.0	16.4

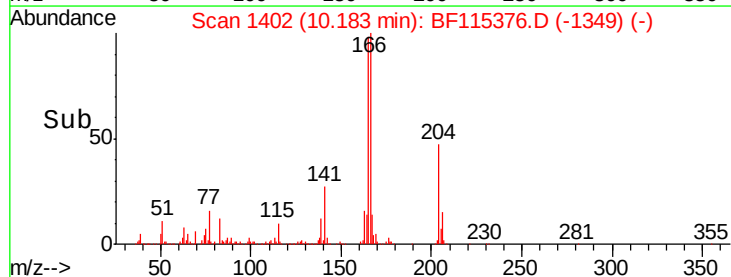
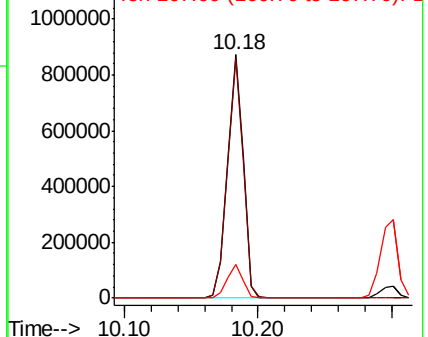


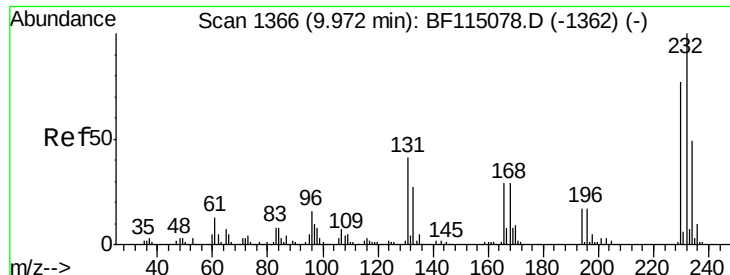
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

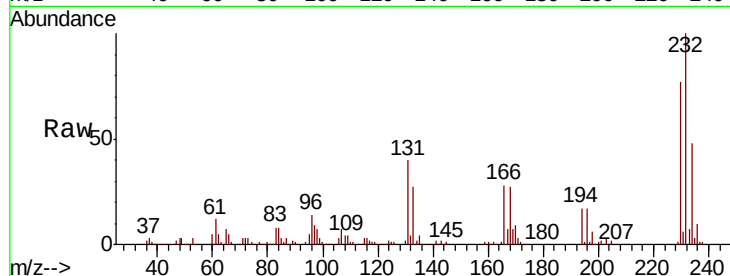




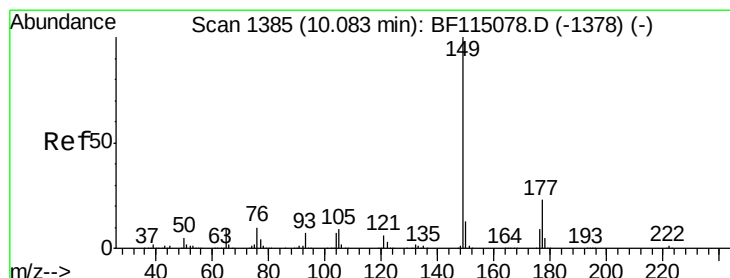
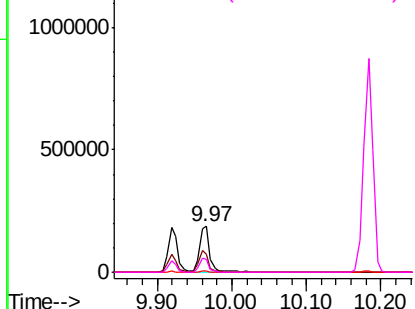
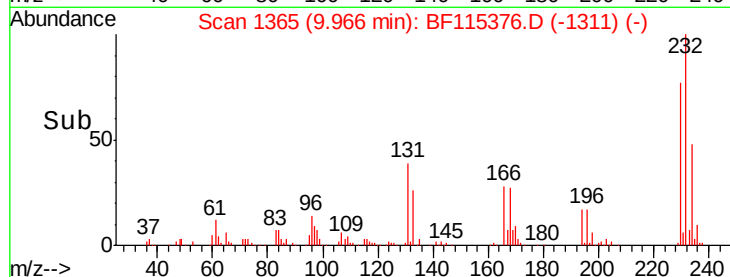
#59
2,3,4,6-Tetrachlorophenol
Concen: 22.947 ng
RT: 9.97 min Scan# 1365
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:232 Resp: 187054
Ion Ratio Lower Upper
232 100
131 43.8 37.4 56.0
130 1.9 1.8 2.6
166 29.0 24.6 36.8

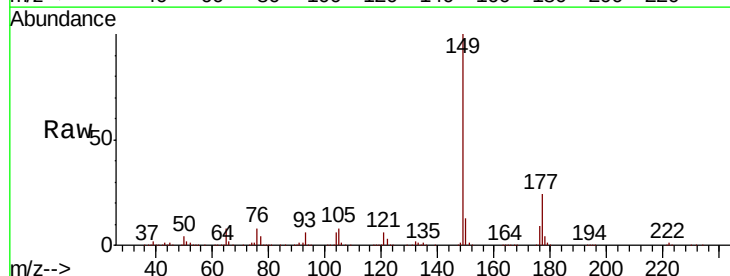


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

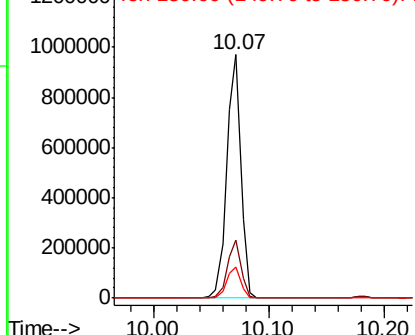
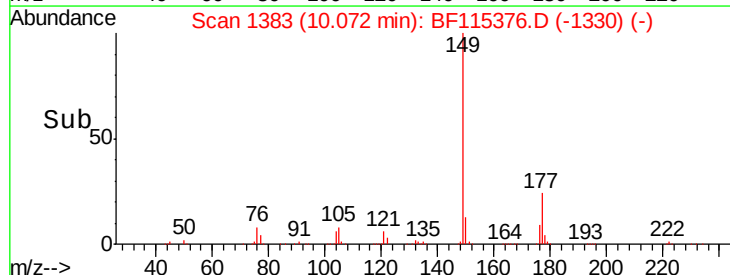


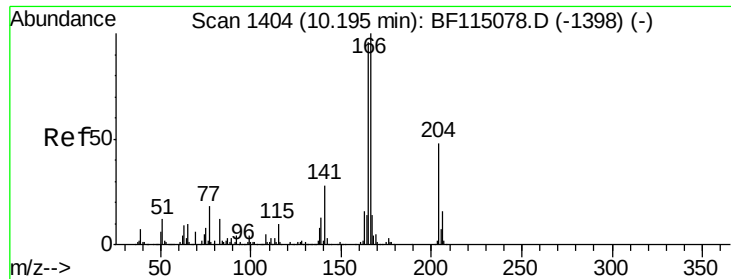
#60
Diethylphthalate
Concen: 25.580 ng
RT: 10.07 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:149 Resp: 818578
Ion Ratio Lower Upper
149 100
177 23.6 18.7 28.1
150 12.6 10.4 15.6



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

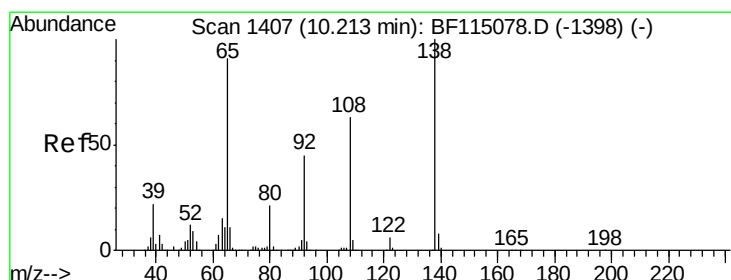
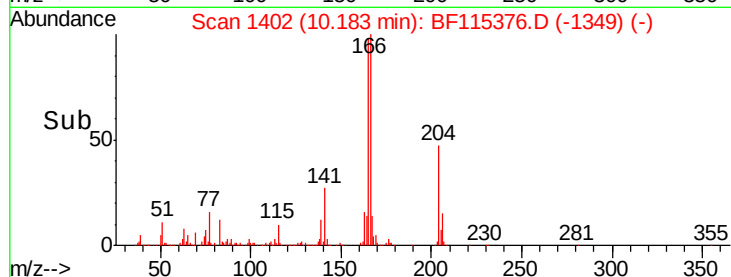
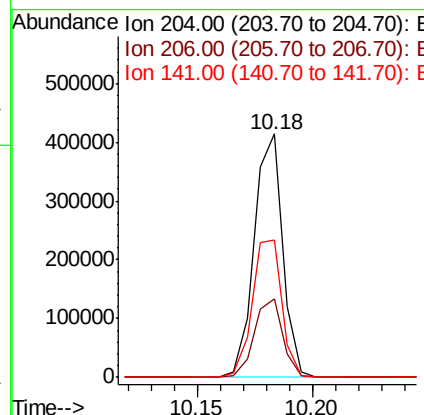
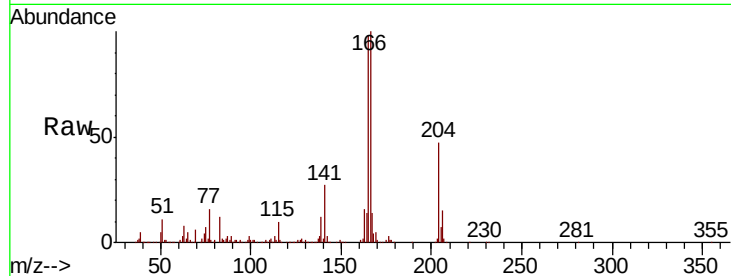




#61
 4-Chlorophenyl-phenylether
 Concen: 25.853 ng
 RT: 10.18 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

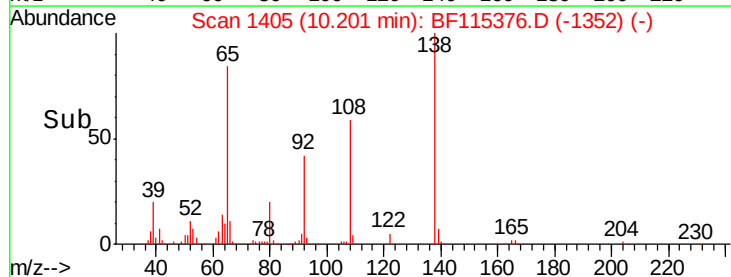
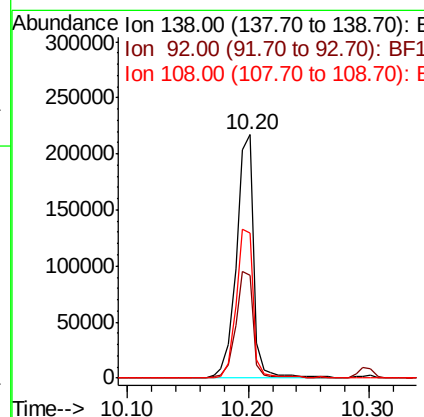
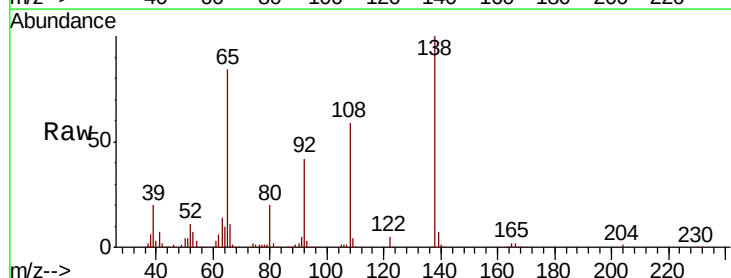
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

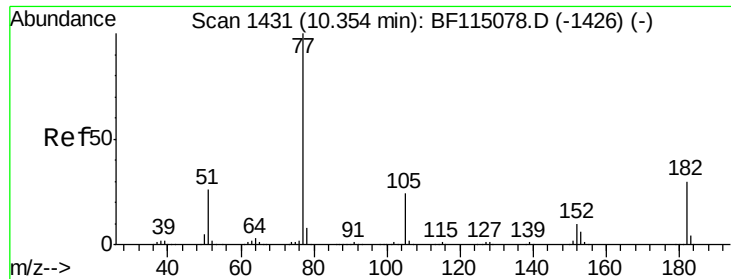
Tgt Ion: 204 Resp: 357437
 Ion Ratio Lower Upper
 204 100
 206 32.1 26.6 40.0
 141 56.5 46.7 70.1



#62
 4-Nitroaniline
 Concen: 24.280 ng
 RT: 10.20 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion: 138 Resp: 218458
 Ion Ratio Lower Upper
 138 100
 92 42.0 24.8 64.8
 108 59.5 43.3 83.3





#63

Azobenzene

Concen: 24.685 ng

RT: 10.34 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tgt Ion: 77 Resp: 737813

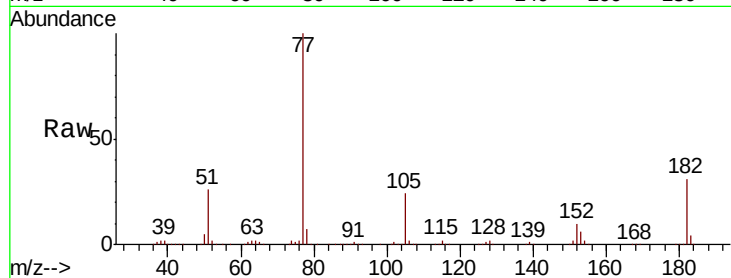
Ion Ratio Lower Upper

77 100

182 30.8 10.1 50.1

105 24.2 4.5 44.5

51 25.8 6.4 46.4

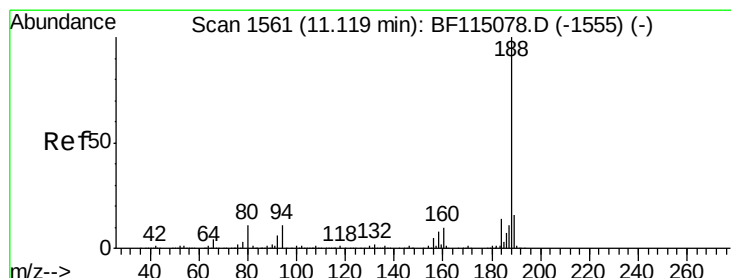
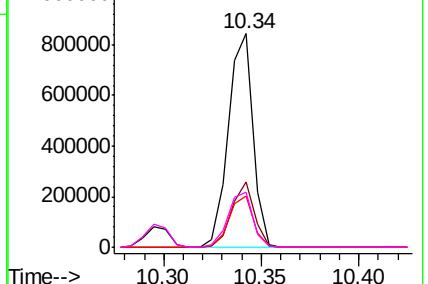
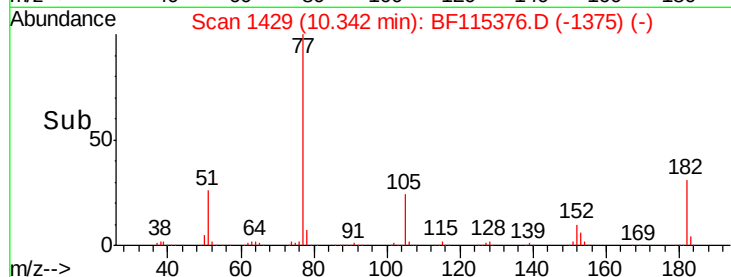


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

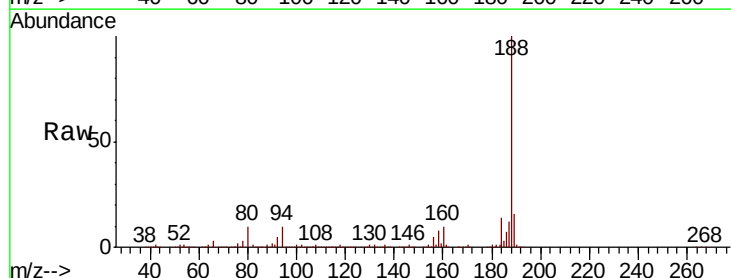
Tgt Ion: 188 Resp: 825743

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

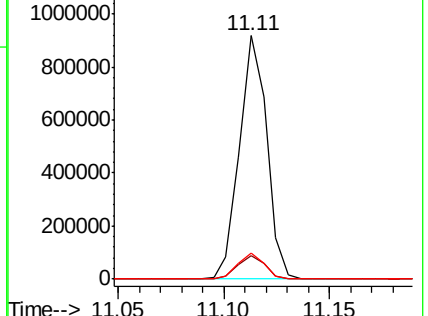
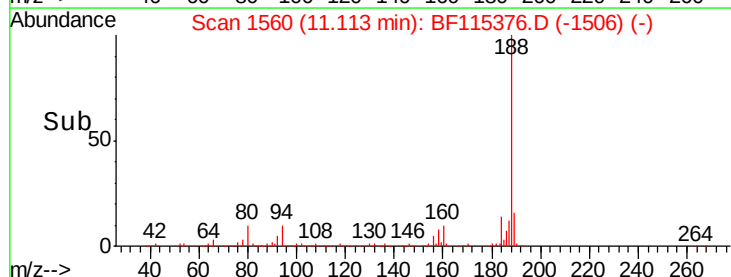
80 10.5 8.8 13.2

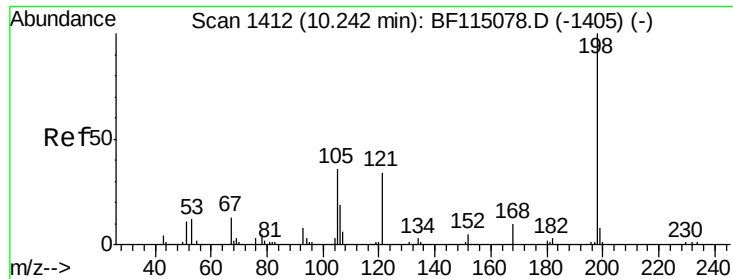


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 12.246 ng

RT: 10.24 min Scan# 1411

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

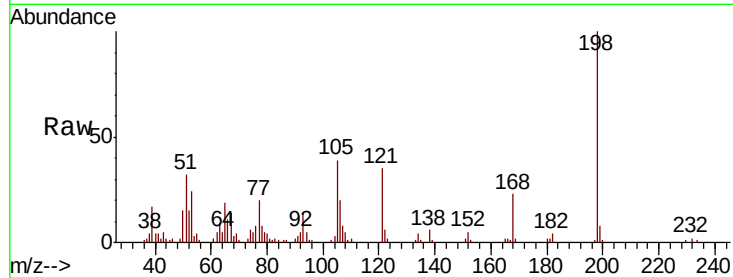
Tgt Ion:198 Resp: 35700

Ion Ratio Lower Upper

198 100

51 32.2 11.0 51.0

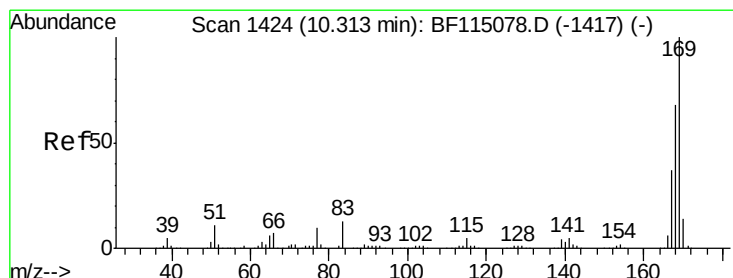
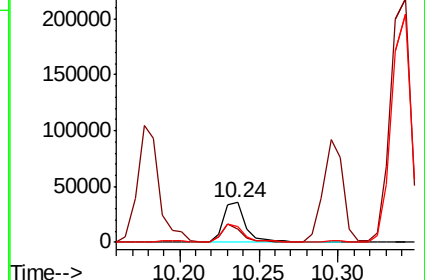
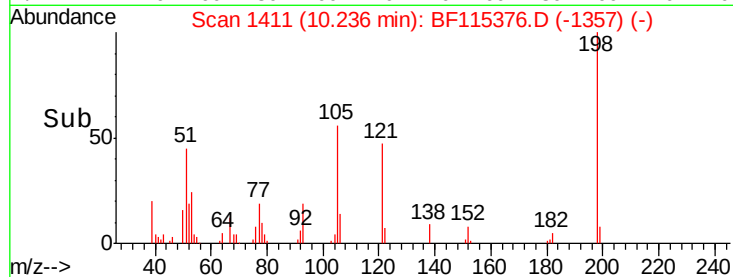
105 38.5 17.3 57.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 26.448 ng

RT: 10.30 min Scan# 1422

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

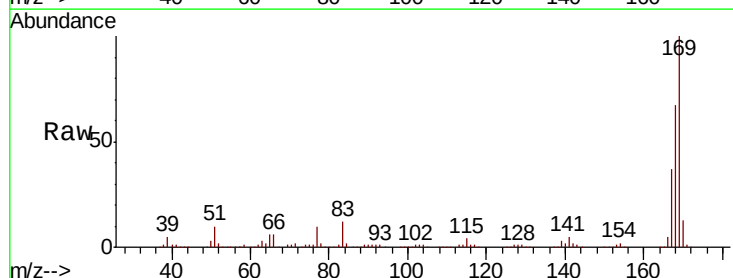
Tgt Ion:169 Resp: 680397

Ion Ratio Lower Upper

169 100

168 66.6 54.2 81.4

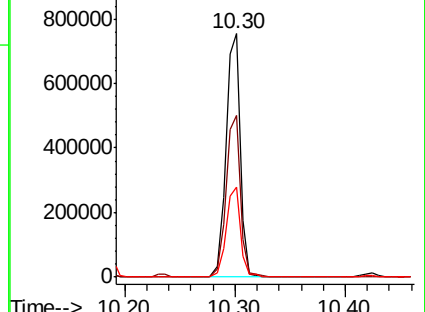
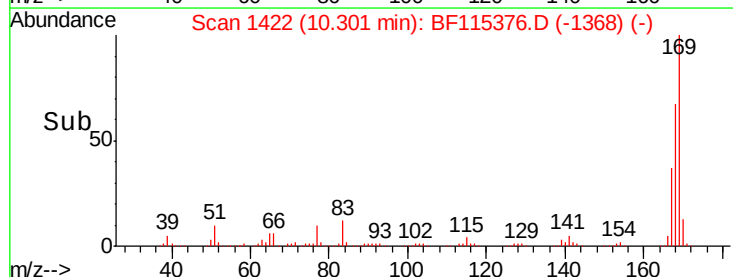
167 37.0 29.4 44.0

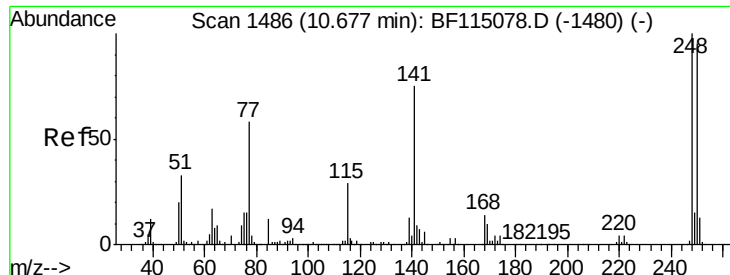


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

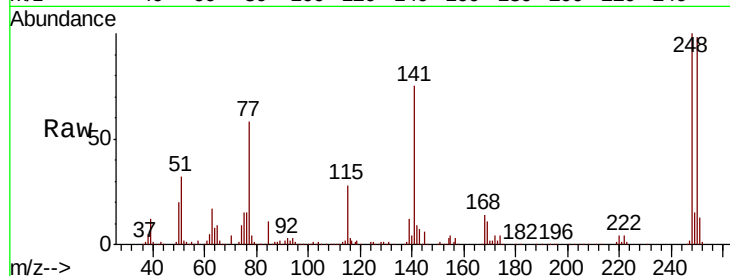




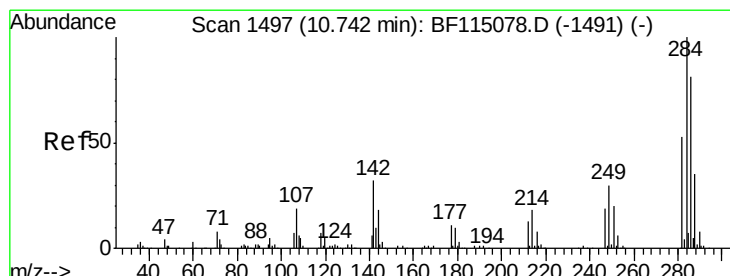
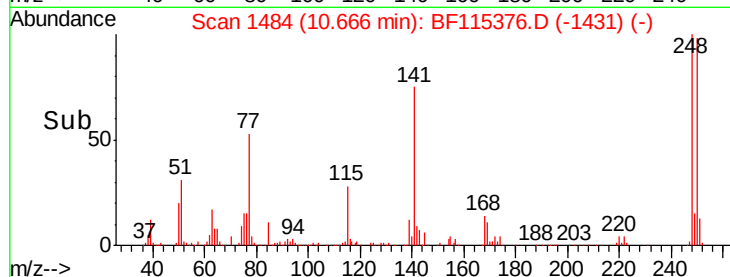
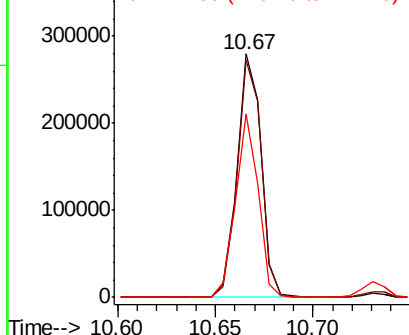
#67
 4-Bromophenyl-phenylether
 Concen: 26.605 ng
 RT: 10.67 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion:248 Resp: 238190
 Ion Ratio Lower Upper
 248 100
 250 97.6 76.2 114.2
 141 75.4 59.6 89.4

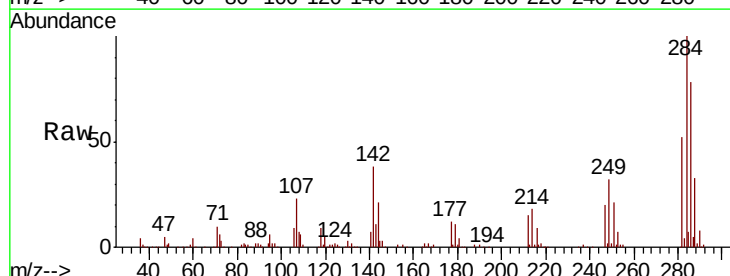


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

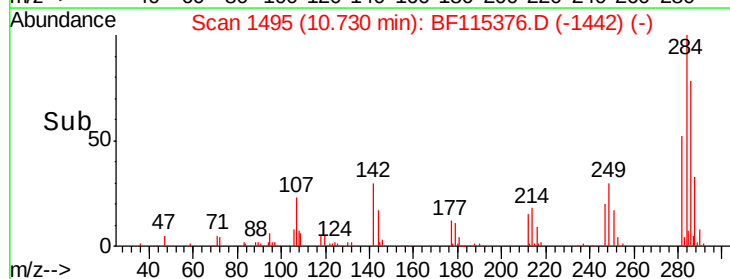
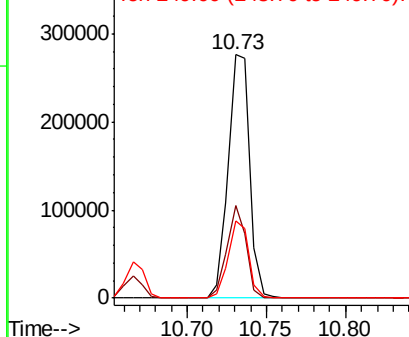


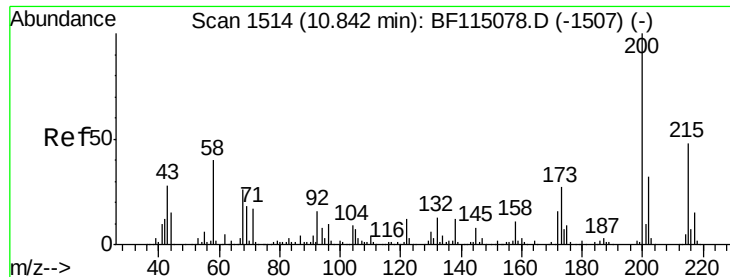
#68
 Hexachlorobenzene
 Concen: 26.855 ng
 RT: 10.73 min Scan# 1495
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:284 Resp: 260966
 Ion Ratio Lower Upper
 284 100
 142 37.9 25.8 38.8
 249 31.6 24.2 36.4



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

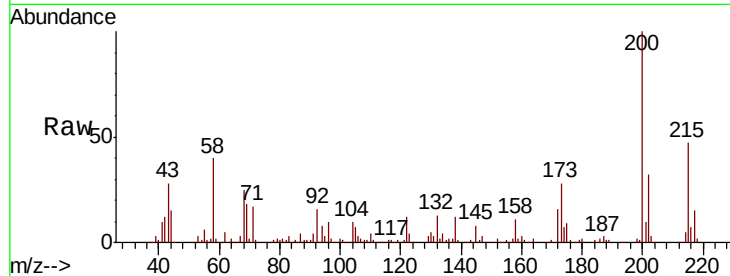




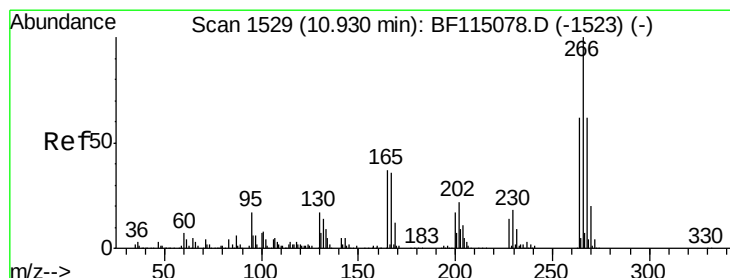
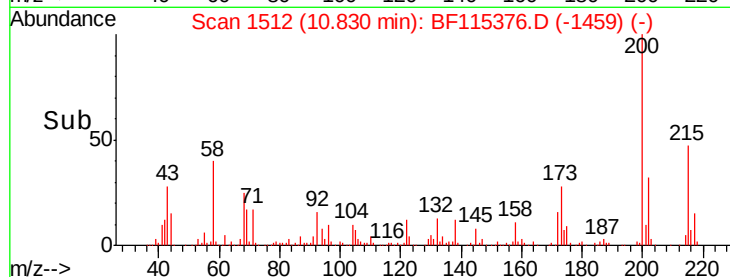
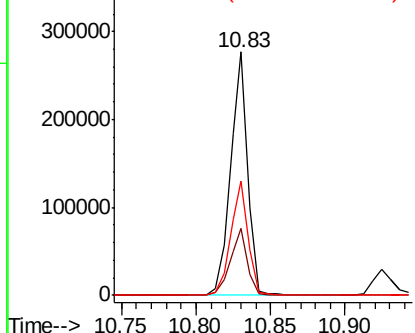
#69
 Atrazine
 Concen: 27.189 ng
 RT: 10.83 min Scan# 1512
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tgt Ion:200 Resp: 225004
 Ion Ratio Lower Upper
 200 100
 173 27.8 7.4 47.4
 215 47.0 27.8 67.8

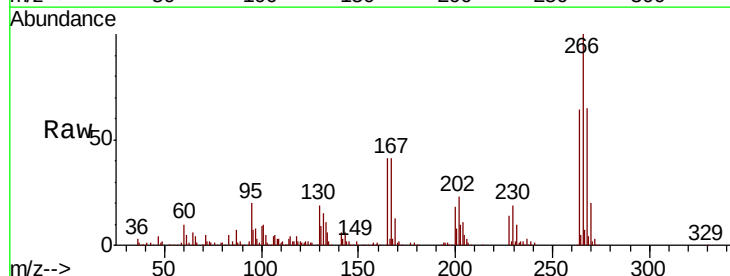


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

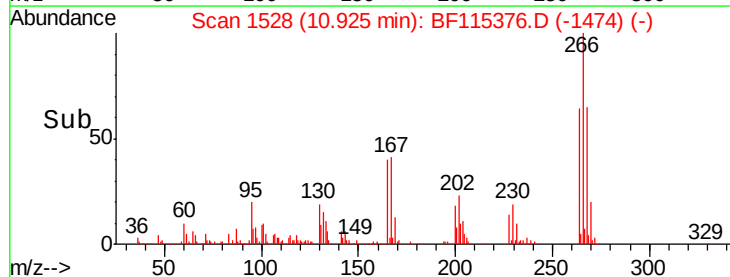
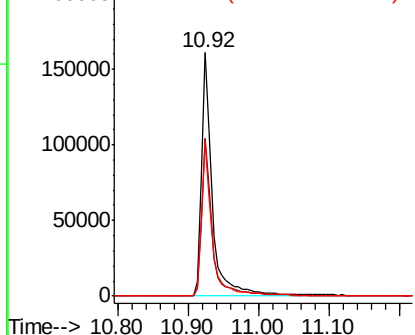


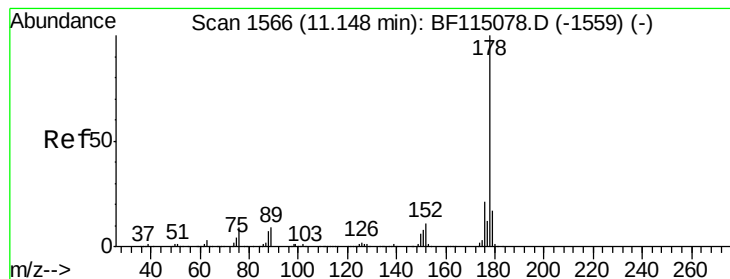
#70
 Pentachlorophenol
 Concen: 28.558 ng
 RT: 10.92 min Scan# 1528
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:266 Resp: 176801
 Ion Ratio Lower Upper
 266 100
 268 64.6 49.5 74.3
 264 64.0 49.3 73.9



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 25.425 ng

RT: 11.14 min Scan# 1565

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

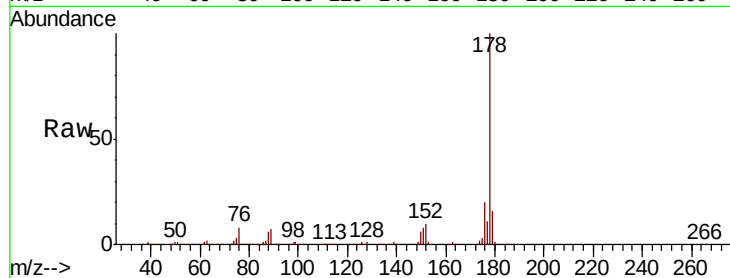
Tgt Ion:178 Resp: 1130395

Ion Ratio Lower Upper

178 100

176 20.1 16.9 25.3

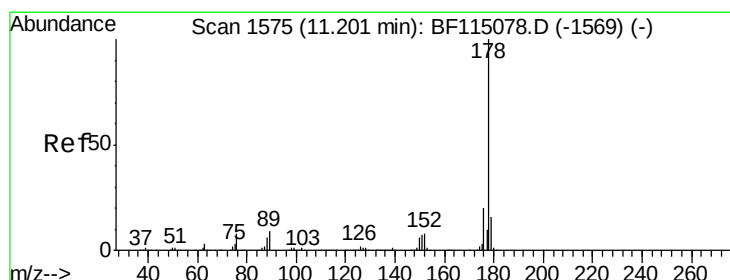
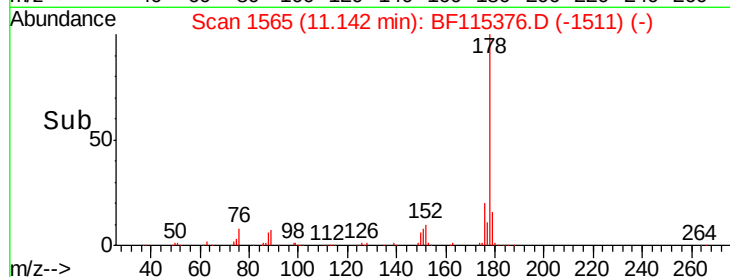
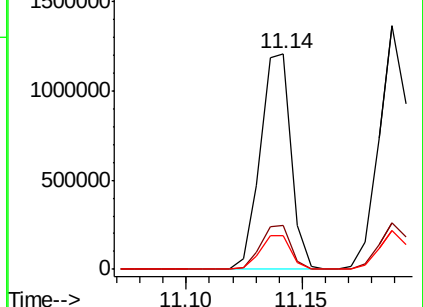
179 15.8 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 26.265 ng

RT: 11.19 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

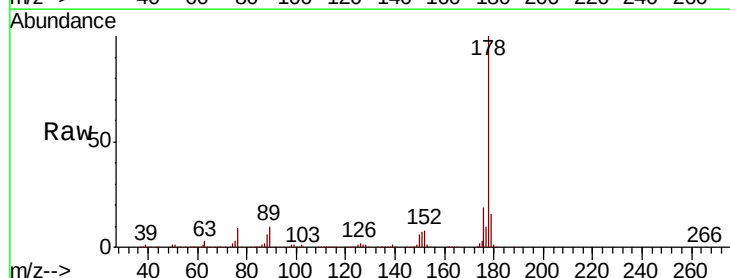
Tgt Ion:178 Resp: 1178732

Ion Ratio Lower Upper

178 100

176 19.3 16.1 24.1

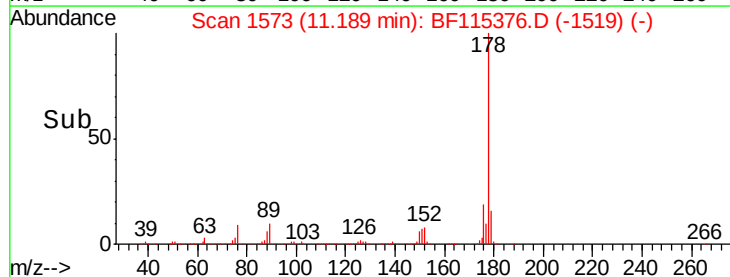
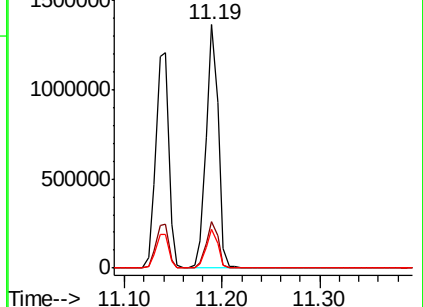
179 15.8 12.9 19.3

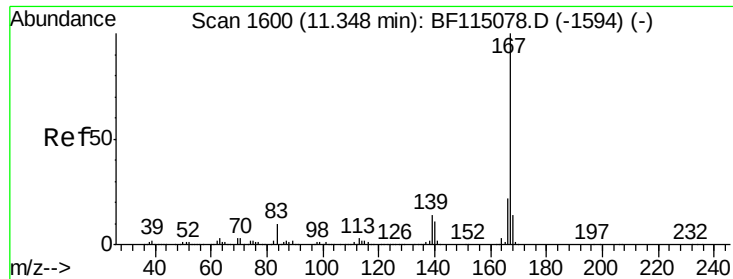


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

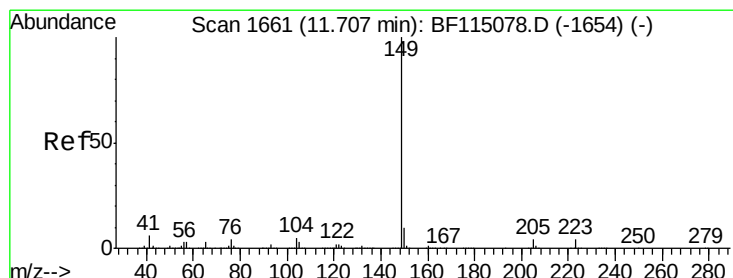
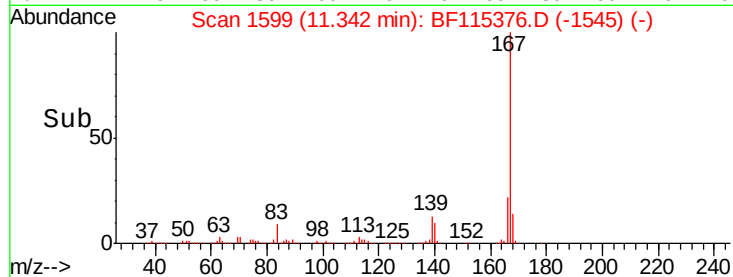
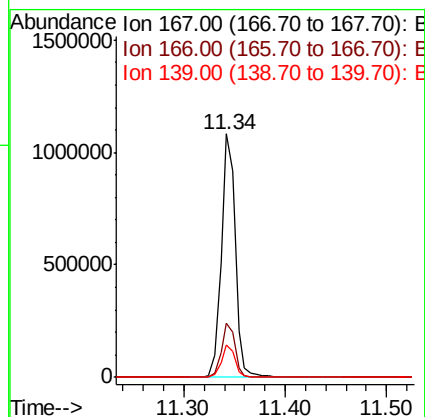
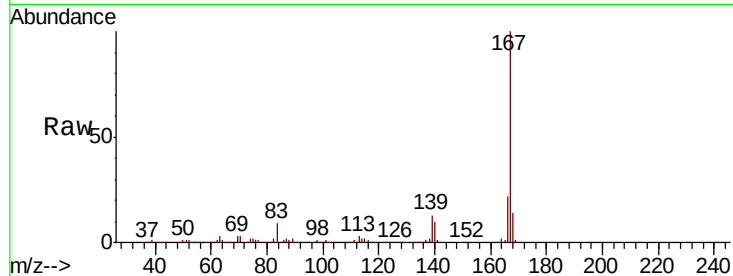




#73
 Carbazole
 Concen: 25.784 ng
 RT: 11.34 min Scan# 1599
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

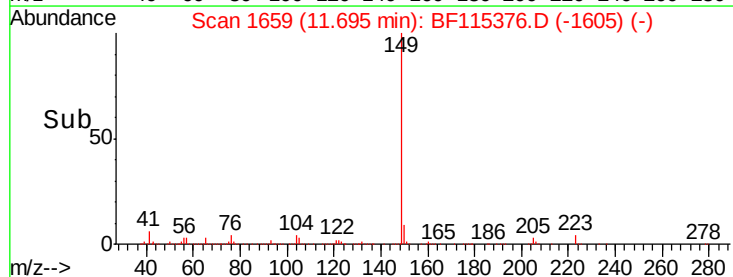
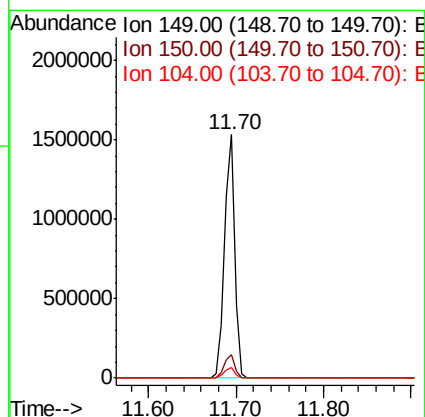
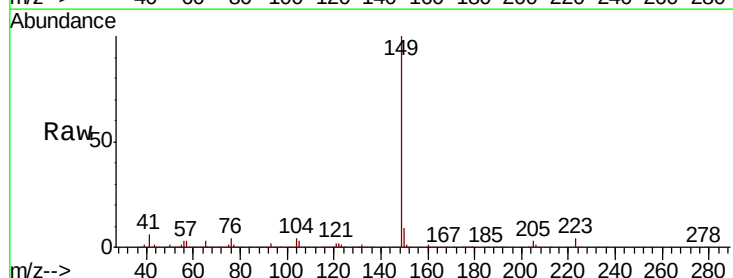
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

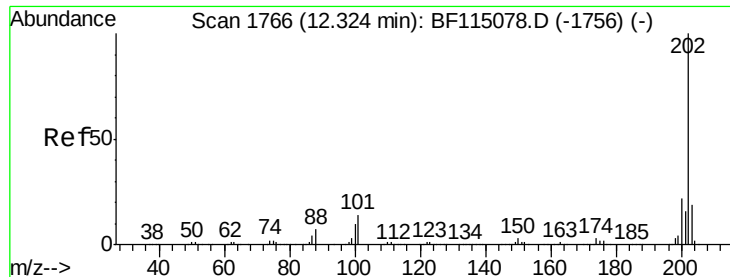
Tgt Ion:167 Resp: 1033297
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 13.5 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 27.066 ng
 RT: 11.70 min Scan# 1659
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion:149 Resp: 1253371
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.8 11.8
 104 4.4 3.7 5.5

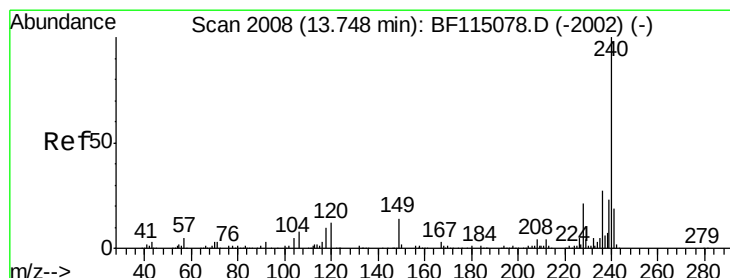
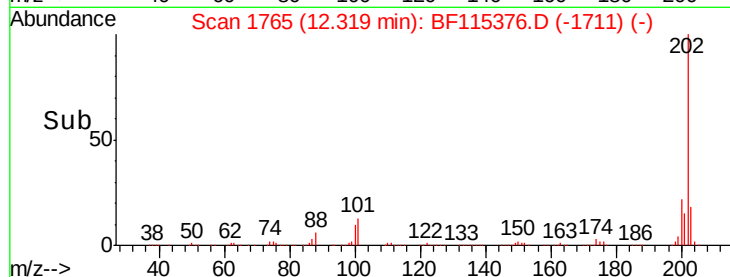
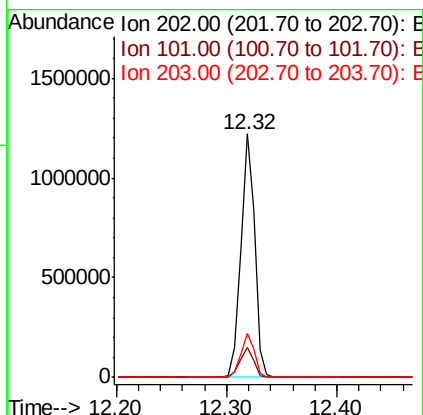
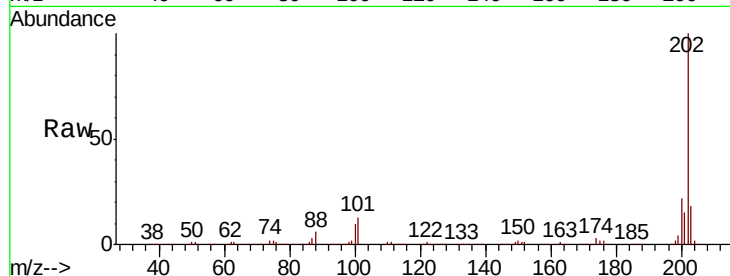




#75
 Fluoranthene
 Concen: 24.243 ng
 RT: 12.32 min Scan# 1765
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

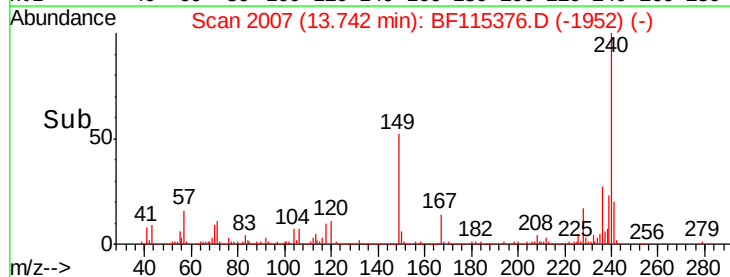
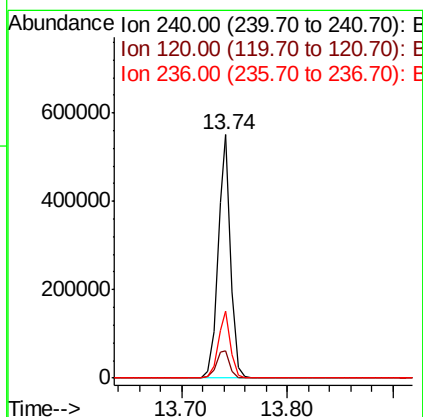
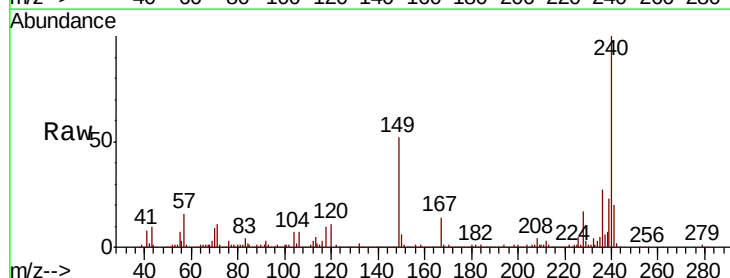
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

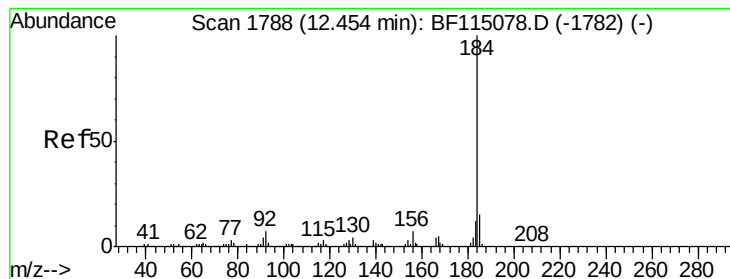
Tgt Ion: 202 Resp: 1075385
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 34.0
 203 18.2 0.0 38.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion: 240 Resp: 461053
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.4 14.2
 236 27.4 21.7 32.5





#77

Benzidine

Concen: 4.437 ng

RT: 12.45 min Scan# 1787

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

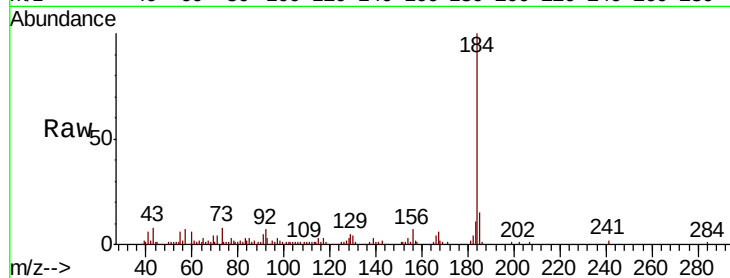
Tgt Ion:184 Resp: 90845

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

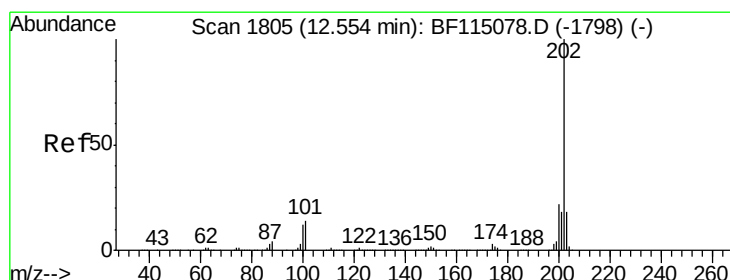
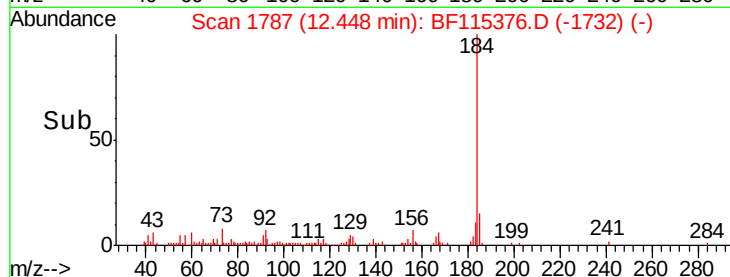
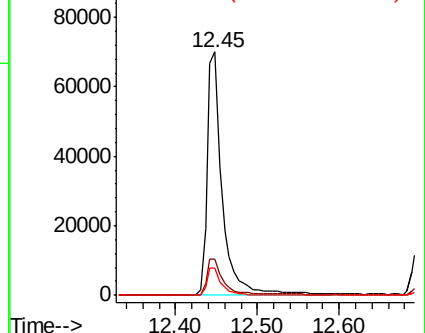
183 11.4 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 29.824 ng

RT: 12.55 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

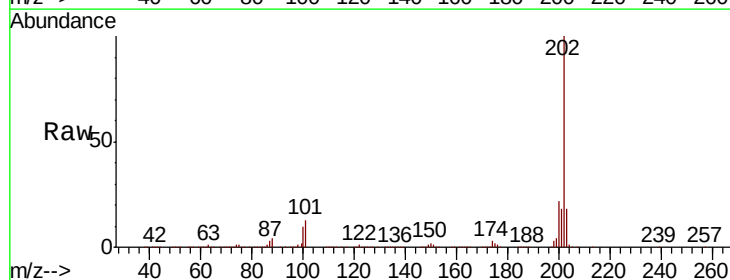
Tgt Ion:202 Resp: 1056734

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

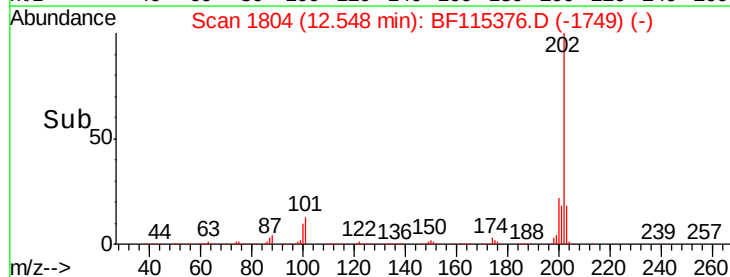
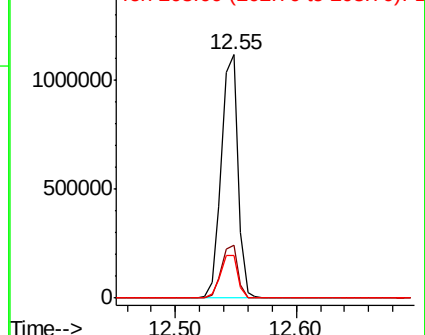
203 17.6 14.6 21.8

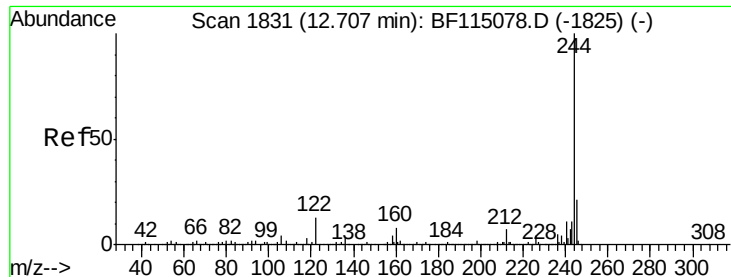


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.277 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

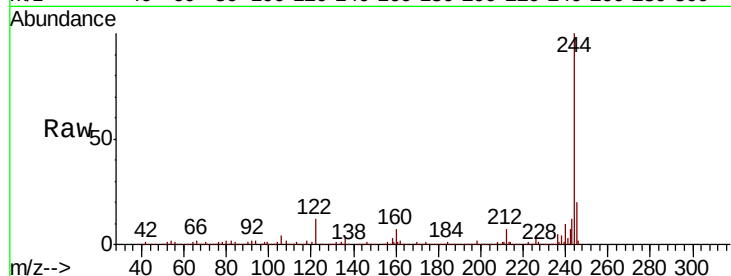
Tgt Ion:244 Resp: 1589005

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

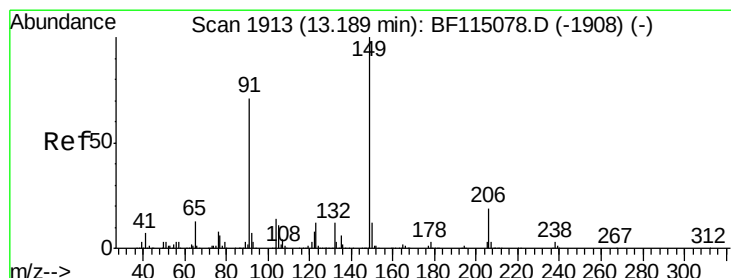
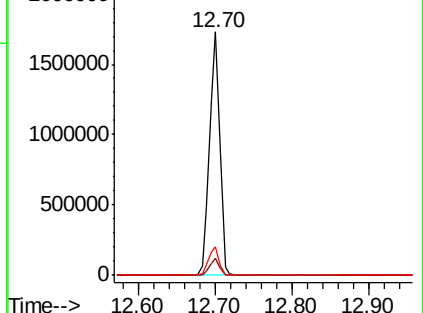
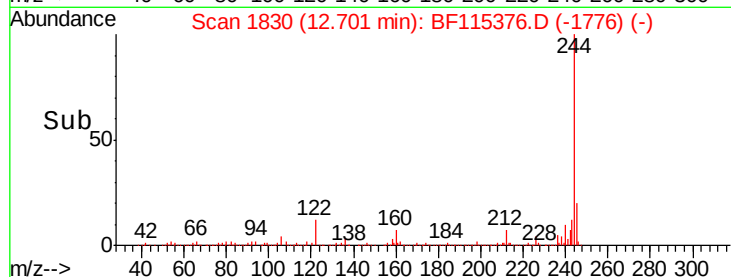
122 11.6 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 28.872 ng

RT: 13.18 min Scan# 1912

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

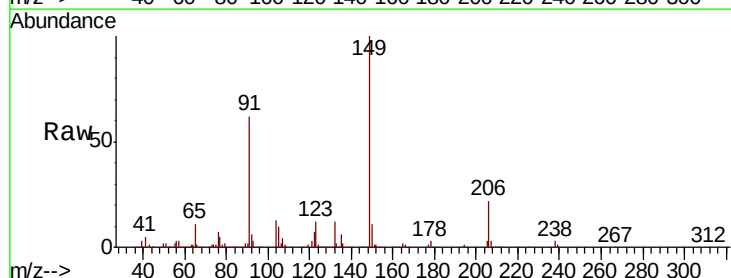
Tgt Ion:149 Resp: 451461

Ion Ratio Lower Upper

149 100

91 62.0 56.5 84.7

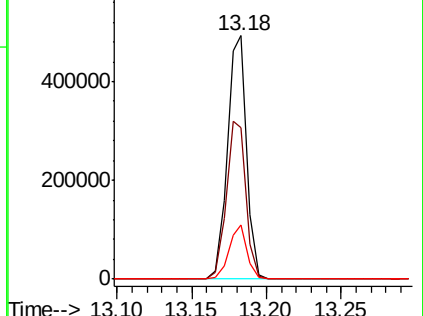
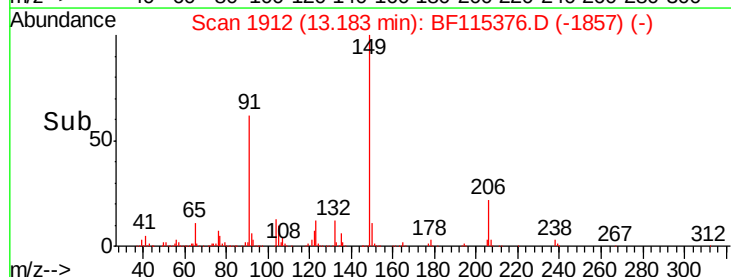
206 22.0 15.3 22.9

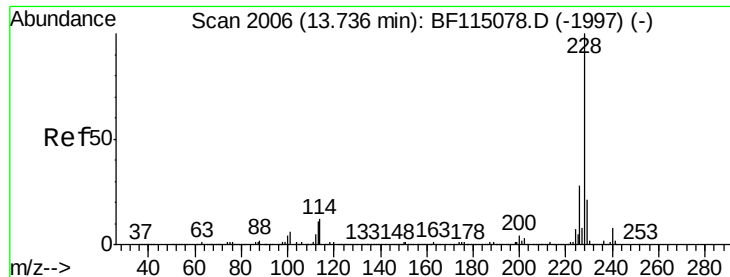


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 24.589 ng

RT: 13.73 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

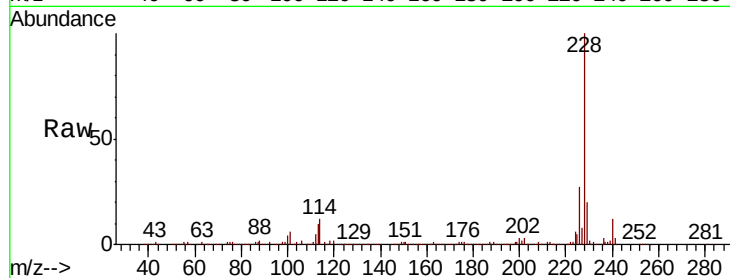
Tgt Ion:228 Resp: 813452

Ion Ratio Lower Upper

228 100

226 26.9 22.5 33.7

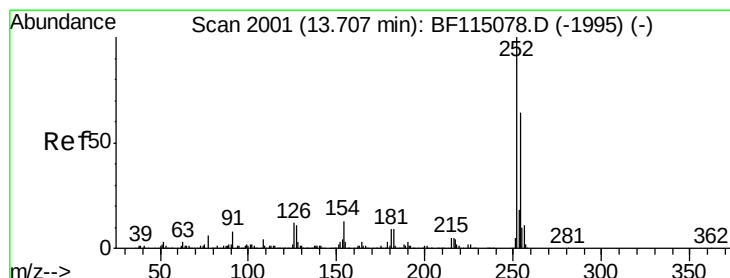
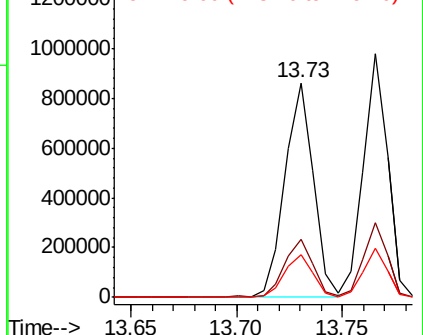
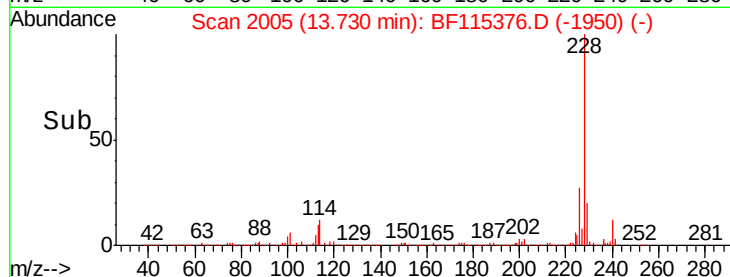
229 20.0 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.147 ng

RT: 13.70 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

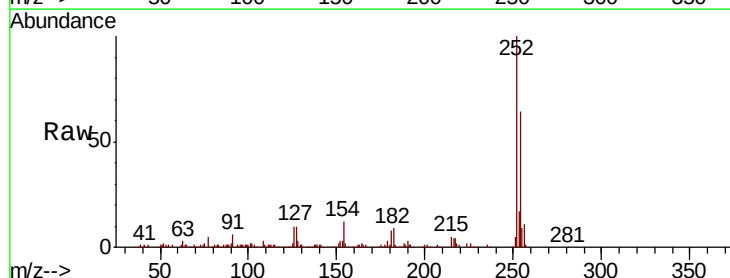
Tgt Ion:252 Resp: 264577

Ion Ratio Lower Upper

252 100

254 63.8 51.1 76.7

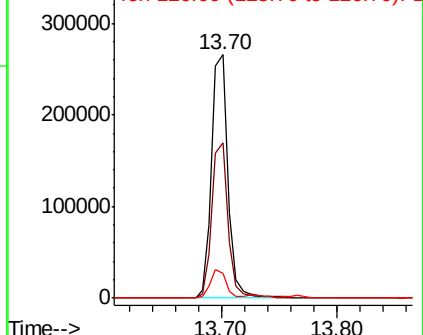
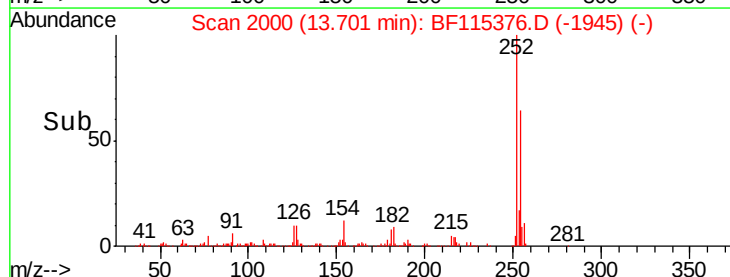
126 10.2 9.4 14.0

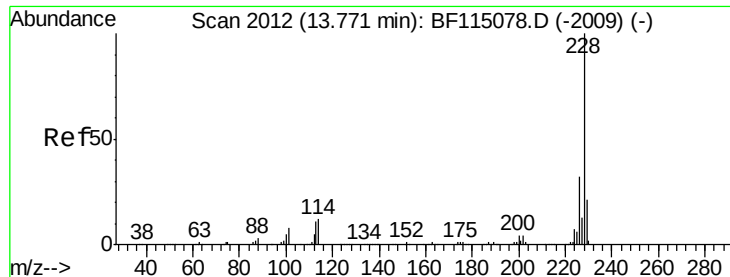


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 25.944 ng

RT: 13.77 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

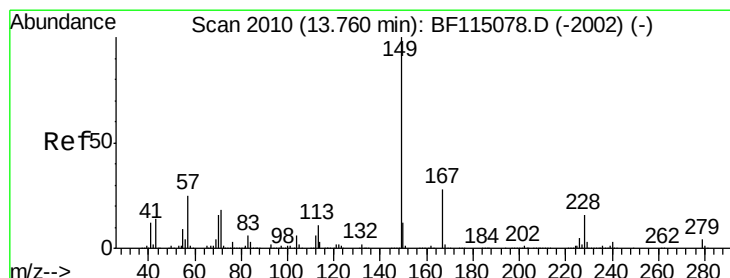
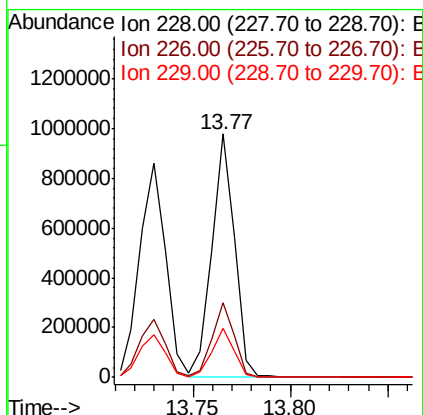
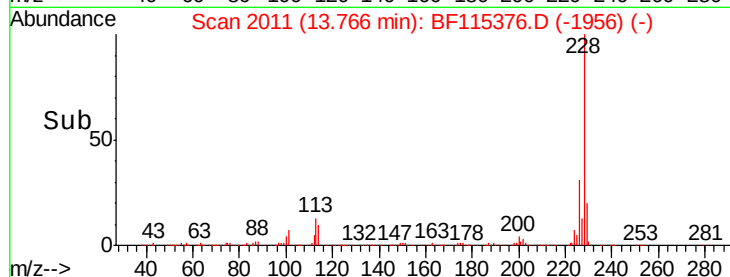
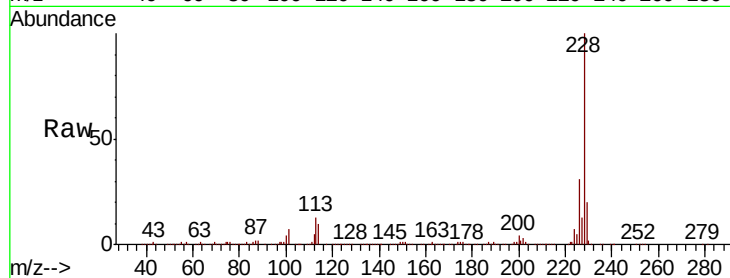
Tgt Ion:228 Resp: 786210

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

229 20.2 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.672 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

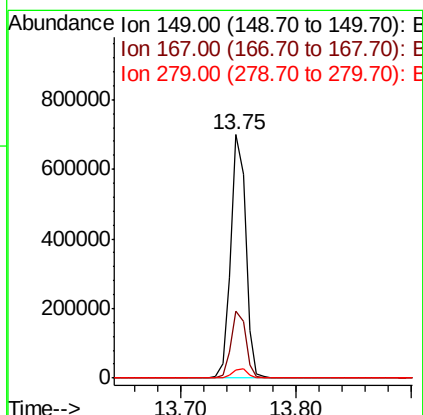
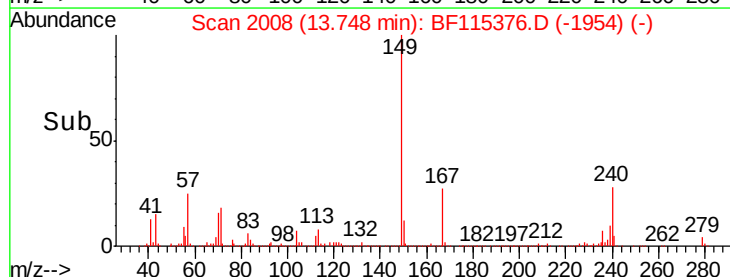
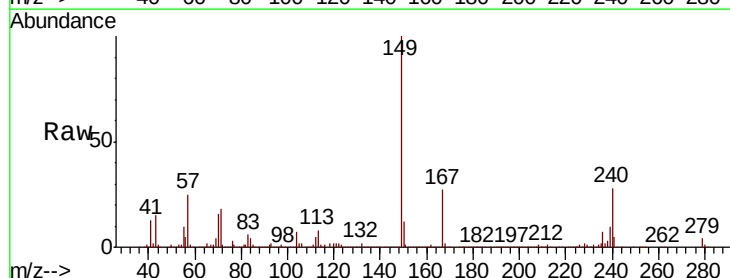
Tgt Ion:149 Resp: 628434

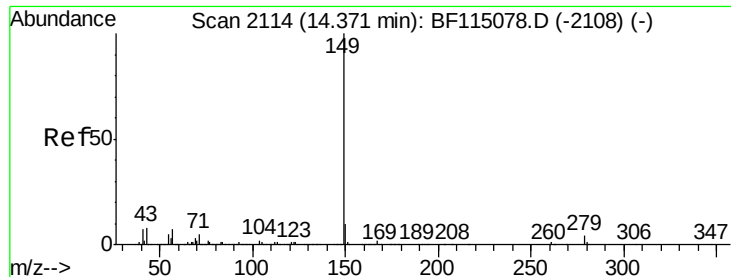
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

279 3.5 2.9 4.3

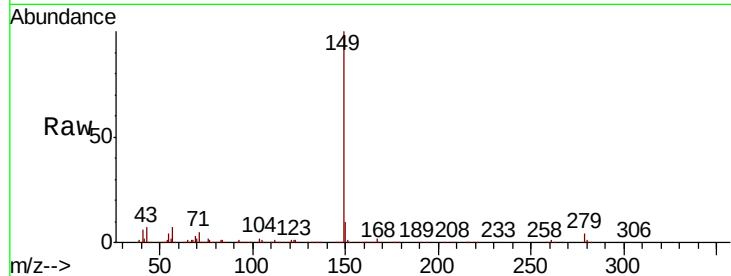




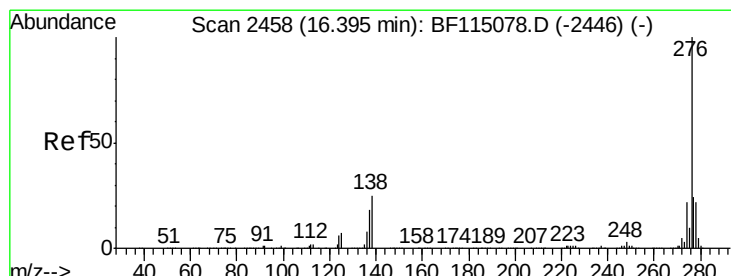
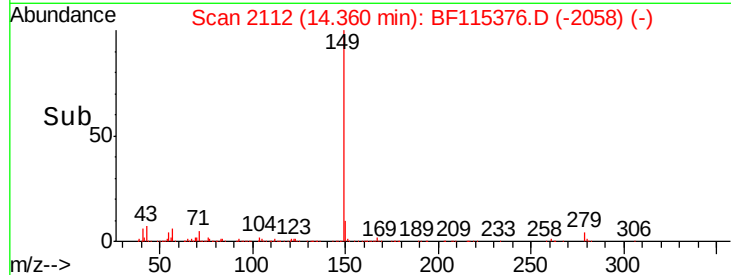
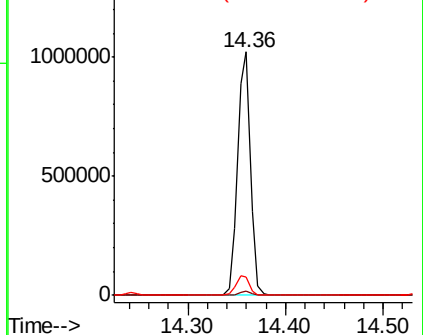
#85
Di-n-octyl phthalate
Concen: 26.958 ng
RT: 14.36 min Scan# 2112
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.2	7.0	10.6

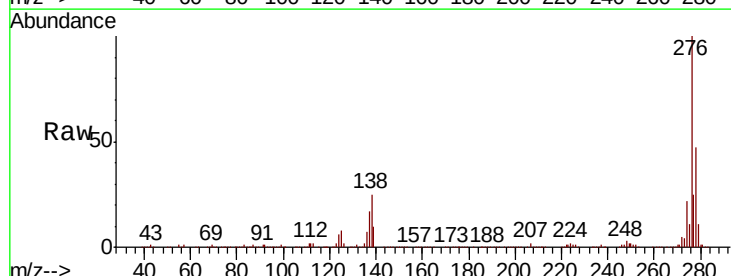


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

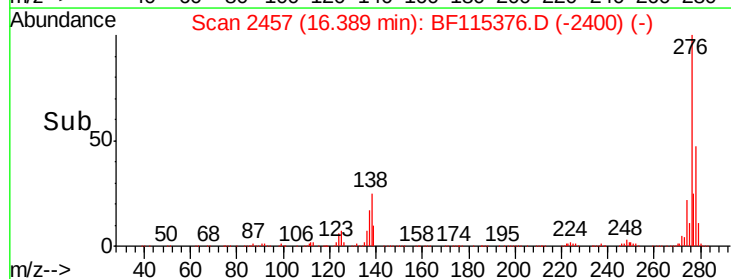
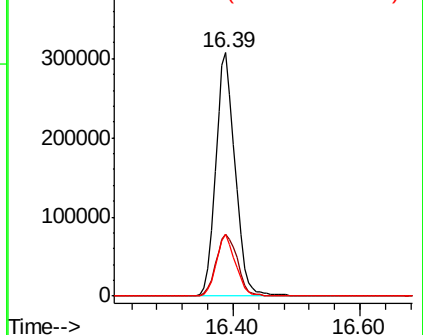


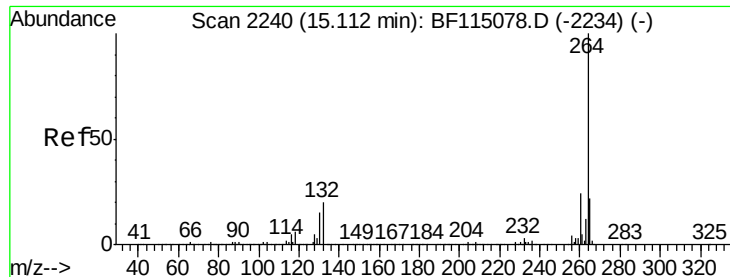
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.525 ng
RT: 16.39 min Scan# 2457
Delta R.T. 0.04 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	23.2	34.8
277	25.3	20.1	30.1



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

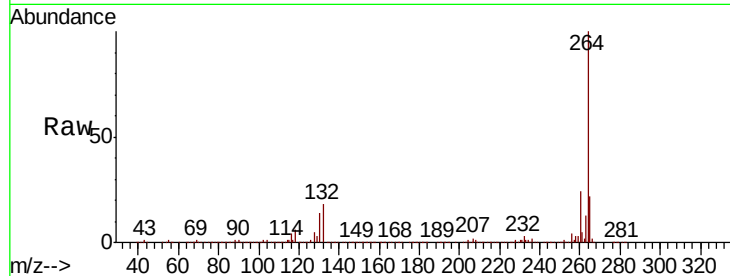




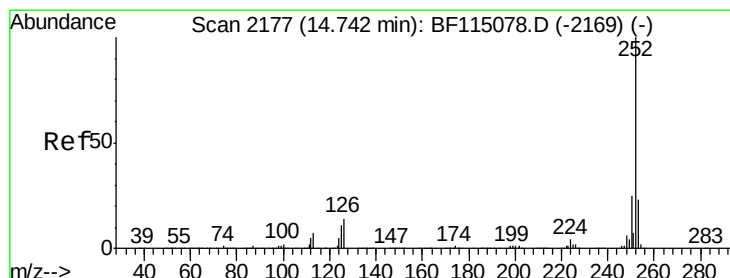
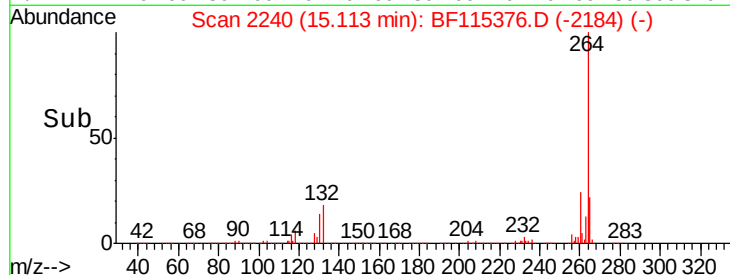
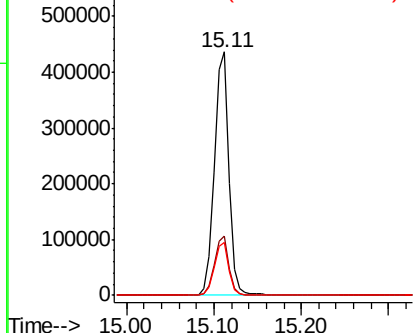
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion:264 Resp: 505672
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.0 17.3 25.9

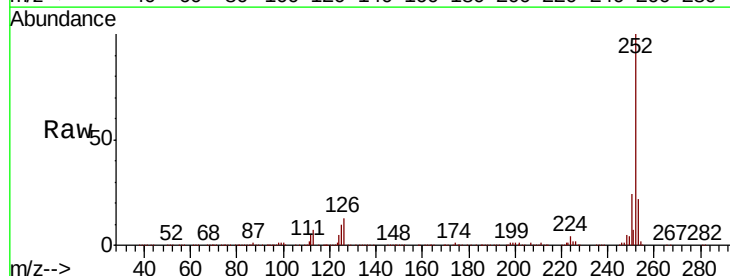


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

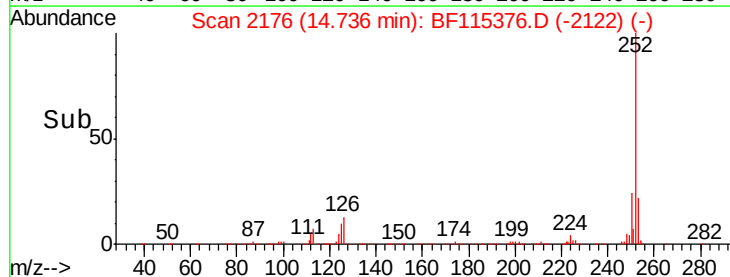
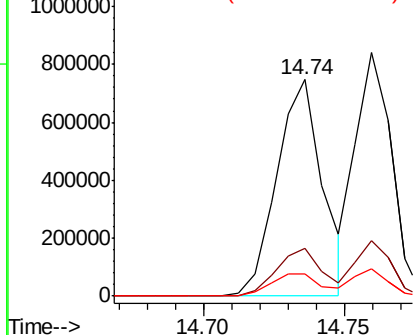


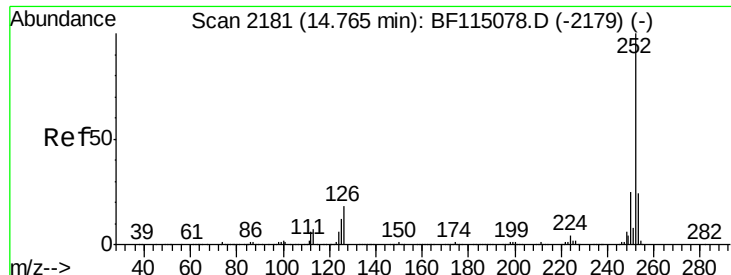
#88
Benzo(b)fluoranthene
Concen: 26.643 ng
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:252 Resp: 840649
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 10.3 8.7 13.1



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

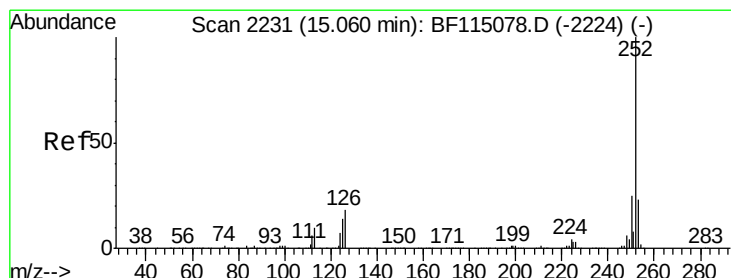
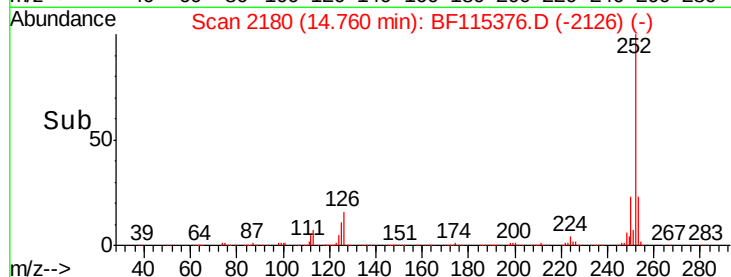
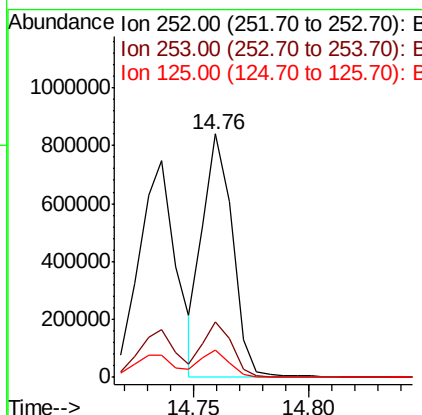
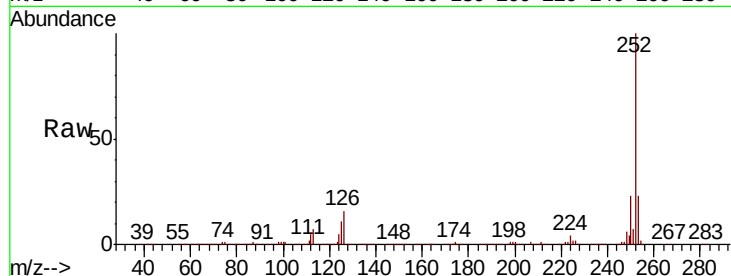




#89
Benzo(k)fluoranthene
Concen: 26.505 ng
RT: 14.76 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

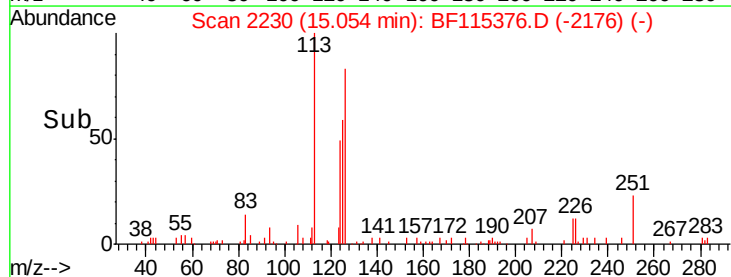
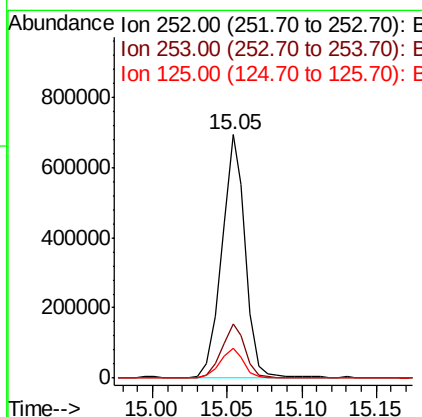
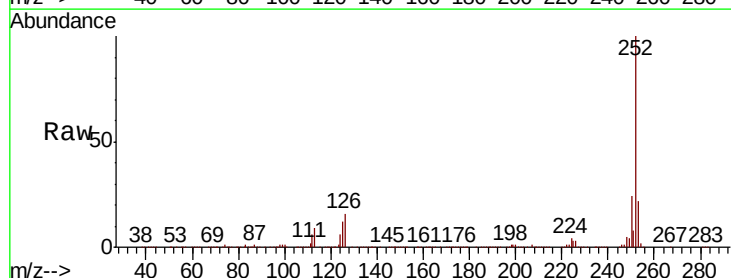
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

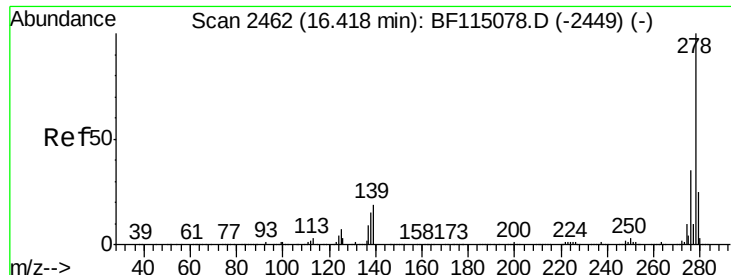
Tgt Ion:252 Resp: 749988
Ion Ratio Lower Upper
252 100
253 22.6 18.9 28.3
125 11.4 10.2 15.2



#90
Benzo(a)pyrene
Concen: 26.833 ng
RT: 15.05 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:252 Resp: 763108
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 12.1 10.9 16.3

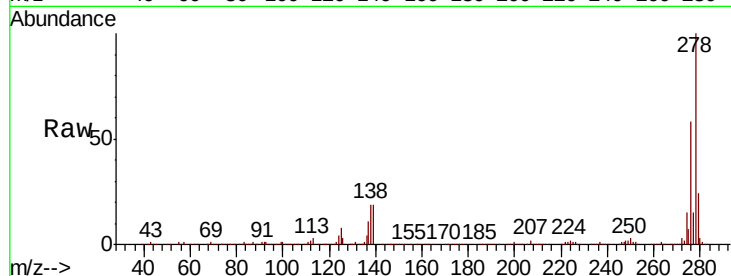




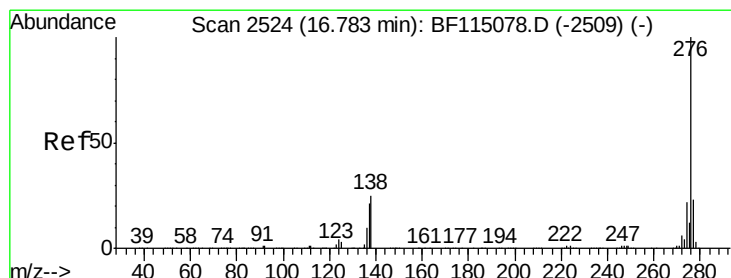
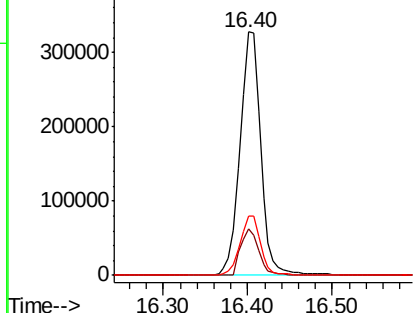
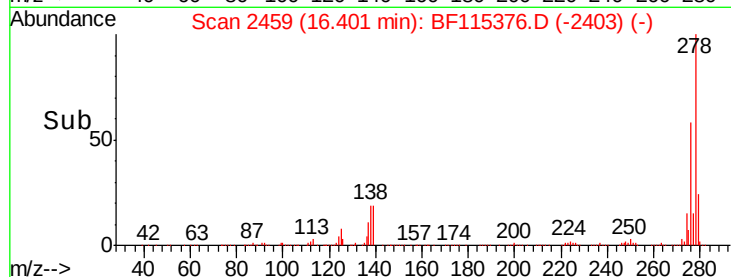
#91
Dibenzo(a,h)anthracene
Concen: 20.906 ng
RT: 16.40 min Scan# 2459
Delta R.T. 0.03 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.4	23.2
279	24.2	19.9	29.9

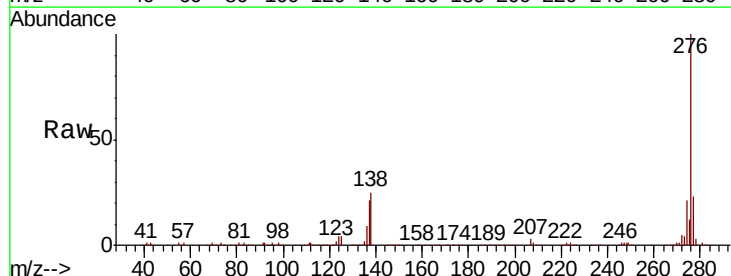


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 19.249 ng
RT: 16.77 min Scan# 2521
Delta R.T. 0.03 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	24.8	19.8	29.6



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

