

Data File : BF115242.D
Acq On : 27 Jun 2019 19:09
Operator : HP/JU
Sample : K3518-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Quant Time: Jun 28 04:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	217358	20.00	ng	-0.02
21) Naphthalene-d8	7.88	136	814821	20.00	ng	-0.02
39) Acenaphthene-d10	9.62	164	401390	20.00	ng	-0.03
64) Phenanthrene-d10	11.10	188	812338	20.00	ng	-0.02
76) Chrysene-d12	13.71	240	683797	20.00	ng	-0.04
87) Perylene-d12	15.07	264	760493	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1791977	127.22	ng	-0.01
7) Phenol-d6	6.24	99	2037438	119.18	ng	-0.01
23) Nitrobenzene-d5	7.16	82	1220917	92.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.41	330	573043	135.38	ng	-0.02
45) 2-Fluorobiphenyl	8.95	172	2143185	90.70	ng	-0.03
79) Terphenyl-d14	12.68	244	2403550	74.73	ng	-0.02

Target Compounds				Qvalue		
3) Pyridine	2.83	79	108	0.006	ng	# 26
4) n-Nitrosodimethylamine	2.77	42	119	0.016	ng	# 1
6) Aniline	6.25	93	667	0.028	ng	# 1
8) 2-Chlorophenol	6.38	128	533	0.034	ng	# 1
9) Benzaldehyde	6.24	77	3232	0.290	ng	# 1
10) Phenol	6.25	94	12972	0.648	ng	# 39
11) bis(2-Chloroethyl)ether	6.36	93	2417	0.164	ng	# 1
12) 1,3-Dichlorobenzene	6.61	146	179	0.010	ng	# 77
13) 1,4-Dichlorobenzene	6.61	146	179	0.010	ng	# 82
14) 1,2-Dichlorobenzene	6.77	146	170	0.010	ng	# 26
15) Benzyl Alcohol	6.75	79	20815	1.672	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	7.10	45	112	0.005	ng	# 67
17) 2-Methylphenol	6.75	107	113	0.009	ng	# 1
18) Hexachloroethane	7.18	117	113	0.018	ng	# 1
19) n-Nitroso-di-n-propylamine	7.16	70	162688	14.864	ng	# 77
20) 3+4-Methylphenols	7.01	107	429	0.028	ng	# 39
22) Acetophenone	7.00	105	671	0.036	ng	# 72
24) Nitrobenzene	7.16	77	3688	0.253	ng	# 32
25) Isophorone	7.16	82	1202883	44.330	ng	# 63
27) 2,4-Dimethylphenol	7.54	122	110	0.009	ng	# 66
28) bis(2-Chloroethoxy)methane	7.62	93	531	0.031	ng	# 1
31) Naphthalene	7.90	128	19218	0.480	ng	# 98
32) Benzoic acid	7.68	122	109	0.013	ng	# 19
33) 4-Chloroaniline	7.90	127	2581	0.141	ng	# 37
35) Caprolactam	8.59	113	120	0.029	ng	# 9
37) 2-Methylnaphthalene	8.58	142	8180	0.303	ng	# 96
38) 1-Methylnaphthalene	8.68	142	7580	0.294	ng	# 100
46) 1,1'-Biphenyl	9.05	154	6964	0.217	ng	# 98
47) 2-Chloronaphthalene	9.12	162	150	0.006	ng	# 39
48) 2-Nitroaniline	9.09	65	243	0.032	ng	# 1
49) Acenaphthylene	9.48	152	13426	0.331	ng	# 95
50) Dimethylphthalate	9.35	163	397756	13.469	ng	# 98
51) 2,6-Dinitrotoluene	9.35	165	4564	0.669	ng	# 20
52) Acenaphthene	9.65	154	21365	0.841	ng	# 92

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 3-Nitroaniline	9.82	138	118	0.014	ng	# 5
55) Dibenzofuran	9.82	168	6687	0.183	ng	# 66
56) 4-Nitrophenol	9.73	139	1455	0.218	ng	# 33
57) 2,4-Dinitrotoluene	9.62	165	53863	6.119	ng	# 30
58) Fluorene	10.16	166	30522	Below Cal		# 98
60) Diethylphthalate	10.05	149	4747	0.160	ng	# 89
62) 4-Nitroaniline	10.17	138	334	0.040	ng	# 24
63) Azobenzene	10.32	77	1454	0.052	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.40	198	1051	5.178	ng	# 1
66) n-Nitrosodiphenylamine	10.28	169	6889	0.272	ng	# 67
67) 4-Bromophenyl-phenylether	10.40	248	36907	4.190	ng	# 1
70) Pentachlorophenol	10.90	266	319	0.052	ng	# 58
71) Phenanthrene	11.11	178	634140	14.499	ng	98
72) Anthracene	11.17	178	131573	2.980	ng	97
73) Carbazole	11.32	167	19409	0.492	ng	100
74) Di-n-butylphthalate	11.67	149	61991	1.361	ng	97
75) Fluoranthene	12.29	202	792673	18.164	ng	97
77) Benzidine	12.40	184	994	0.033	ng	# 1
78) Pyrene	12.52	202	1003588	19.098	ng	98
80) Butylbenzylphthalate	13.15	149	1306	0.056	ng	# 28
81) Benzo(a)anthracene	13.70	228	480554	9.794	ng	98
82) 3,3'-Dichlorobenzidine	13.68	252	671	0.038	ng	# 1
83) Chrysene	13.74	228	459817	10.231	ng	97
84) Bis(2-ethylhexyl)phthalate	13.72	149	10629	0.350	ng	# 93
85) Di-n-octyl phthalate	14.33	149	966	0.019	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.32	276	228336	4.293	ng	95
88) Benzo(b)fluoranthene	14.70	252	623670	13.143	ng	98
89) Benzo(k)fluoranthene	14.70	252	623670	14.656	ng	99
90) Benzo(a)pyrene	15.01	252	384790	8.997	ng	99
91) Dibenzo(a,h)anthracene	16.34	278	65765	1.647	ng	92
92) Benzo(g,h,i)perylene	16.70	276	222337	5.502	ng	98

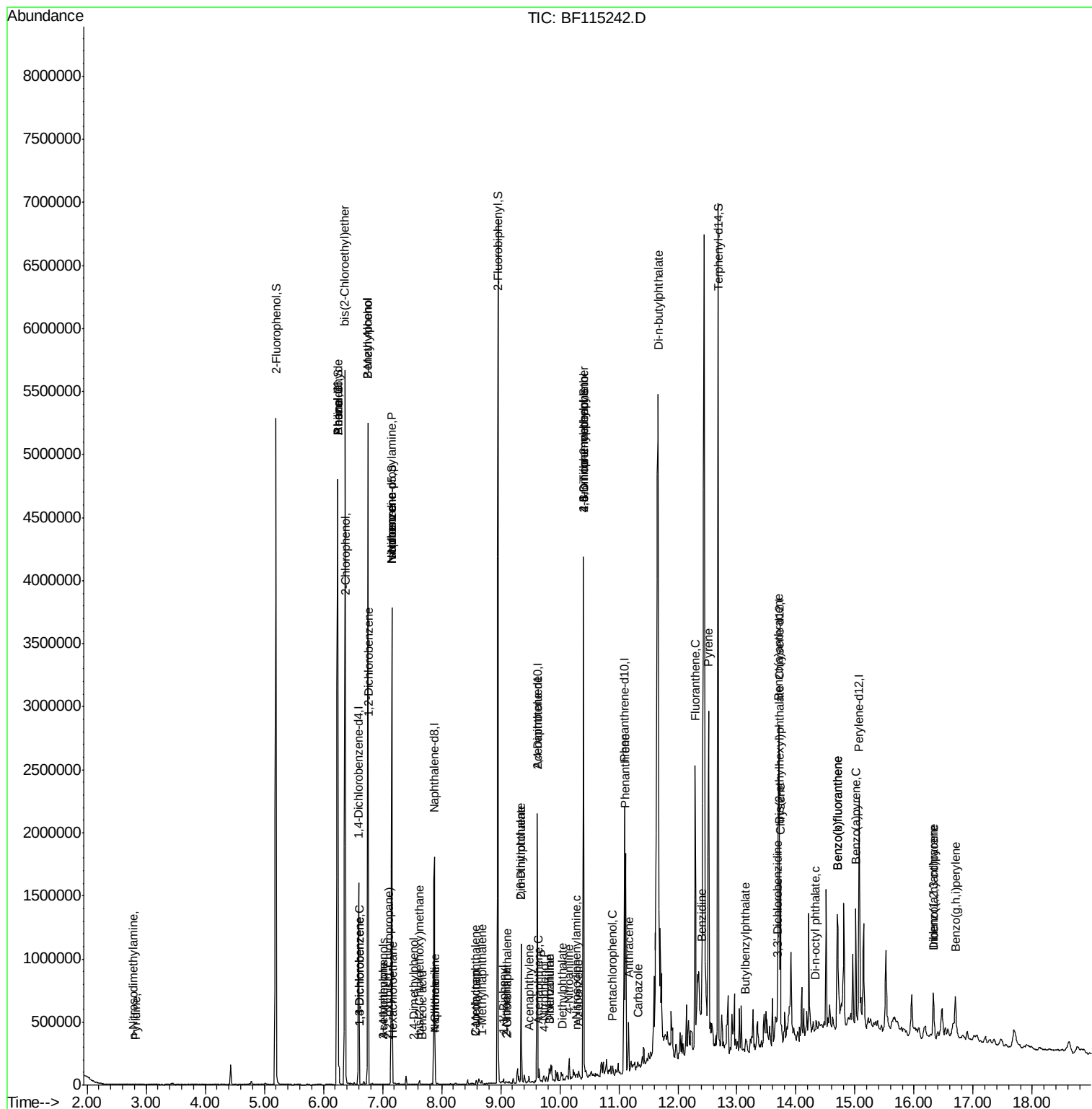
(#) = qualifier out of range (m) = manual integration (+) = signals summed

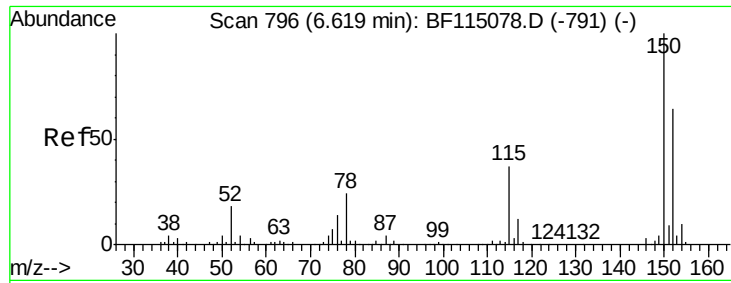
Data File : BF115242.D

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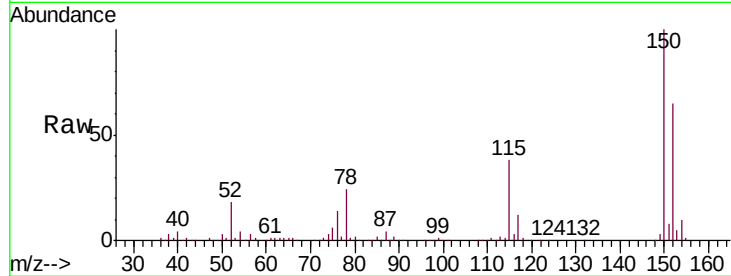


#1

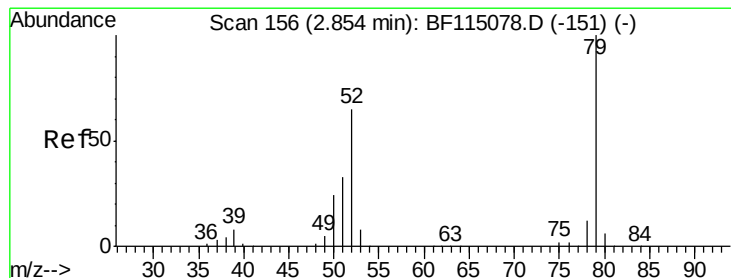
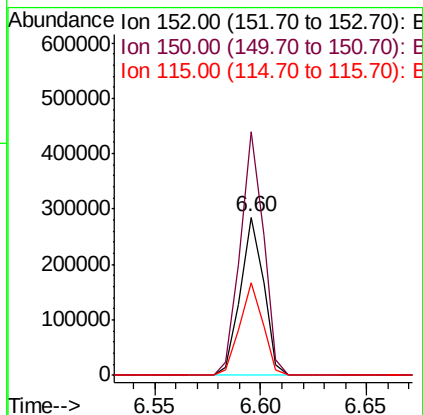
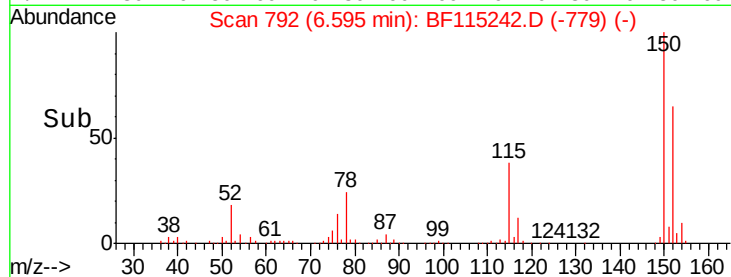
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tgt Ion: 152 Resp: 217358
Ion Ratio Lower Upper
152 100
150 154.2 124.2 186.2
115 58.7 46.1 69.1



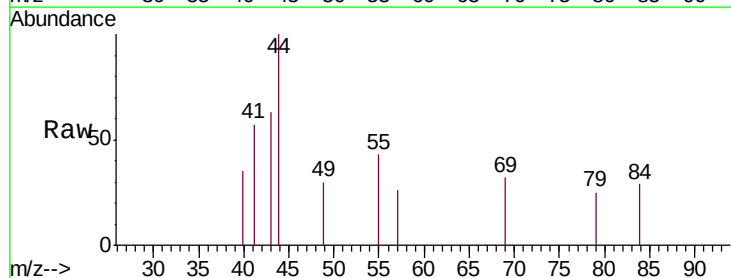
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



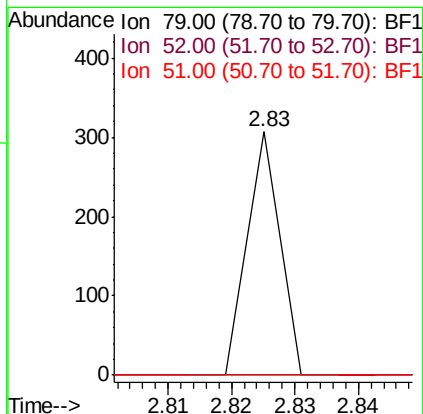
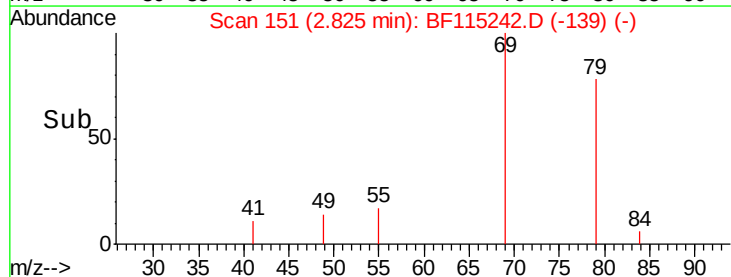
#3

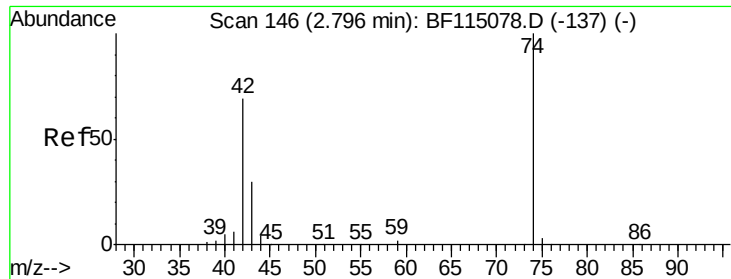
Pyridine
Concen: 0.006 ng
RT: 2.83 min Scan# 151
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 79 Resp: 108
Ion Ratio Lower Upper
79 100
52 0.0 52.3 78.5#
51 0.0 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: 0.016 ng

RT: 2.77 min Scan# 142

Delta R.T. -0.02 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

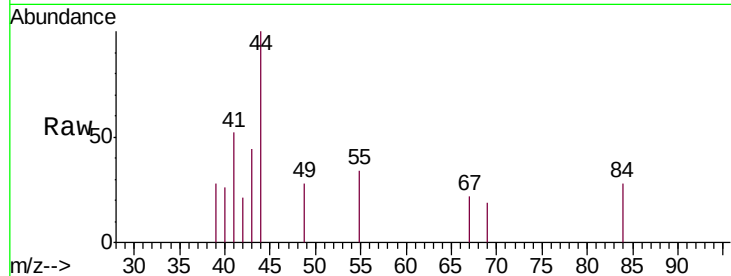
Tgt Ion: 42 Resp: 119

Ion Ratio Lower Upper

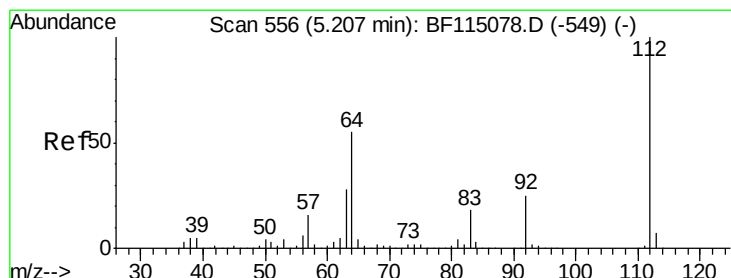
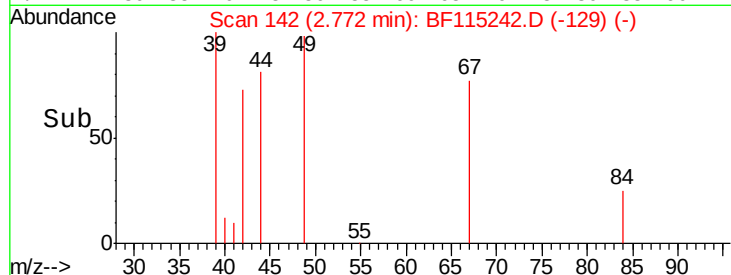
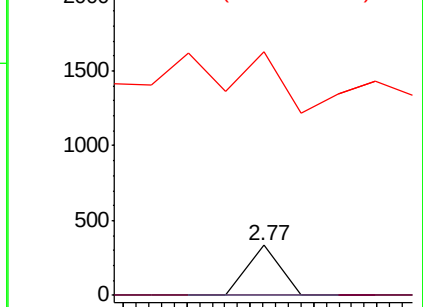
42 100

74 0.0 116.6 175.0#

44 484.5 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: 127.224 ng

RT: 5.20 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

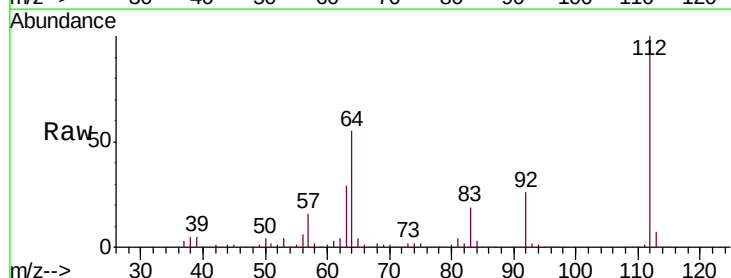
Tgt Ion: 112 Resp: 1791977

Ion Ratio Lower Upper

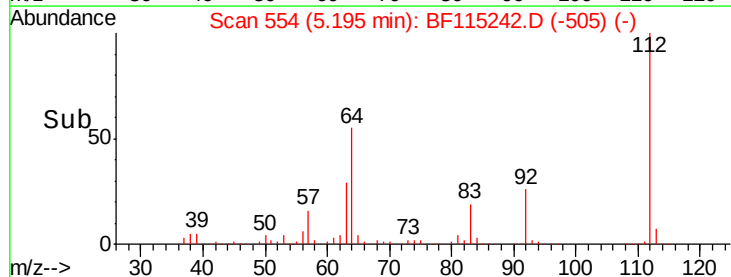
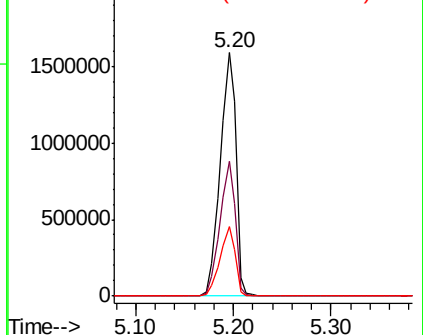
112 100

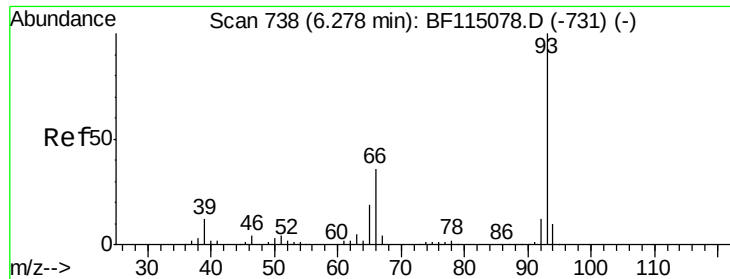
64 55.2 43.8 65.6

63 28.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.028 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampled :

CP-S4-SOIL

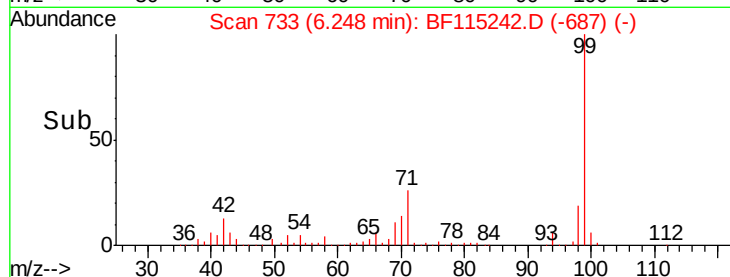
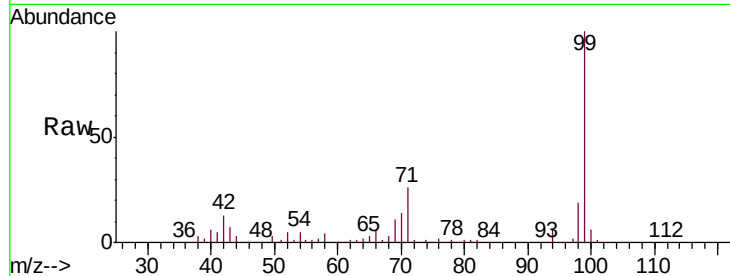
Tgt Ion: 93 Resp: 667

Ion Ratio Lower Upper

93 100

66 2723.5 30.0 45.0#

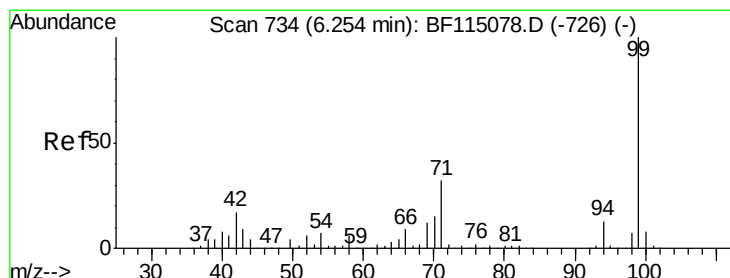
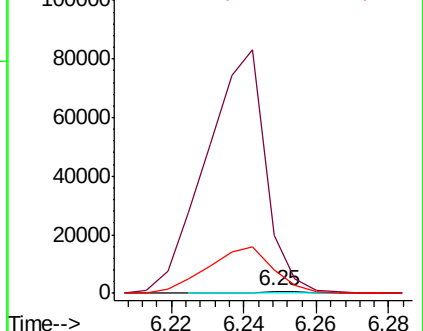
65 1075.2 15.6 23.4#



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: 119.177 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

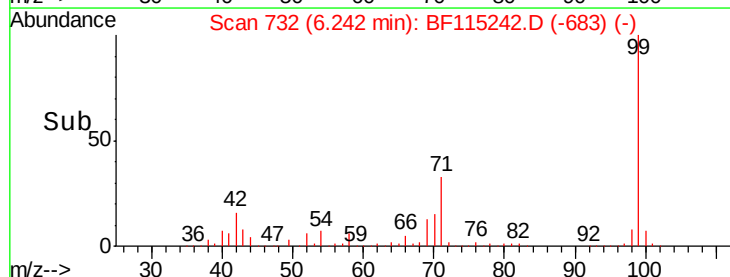
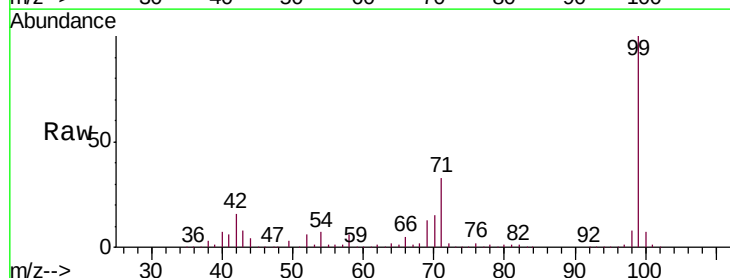
Tgt Ion: 99 Resp: 2037438

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

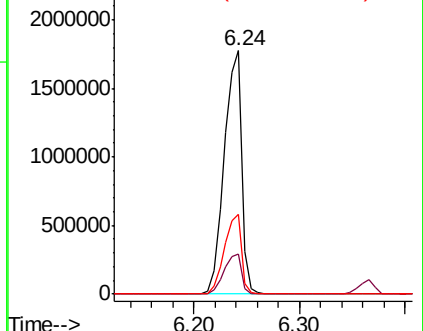
71 32.6 25.5 38.3

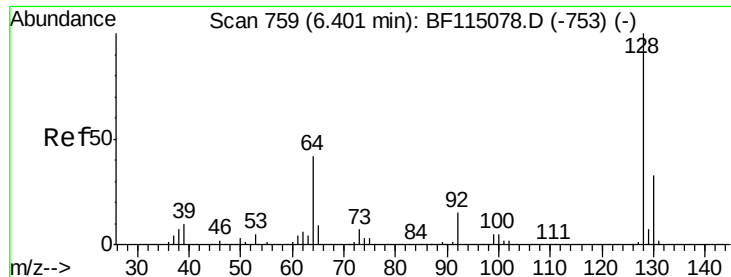


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#8

2-Chlorophenol

Concen: 0.034 ng

RT: 6.38 min Scan# 755

Delta R.T. -0.02 min

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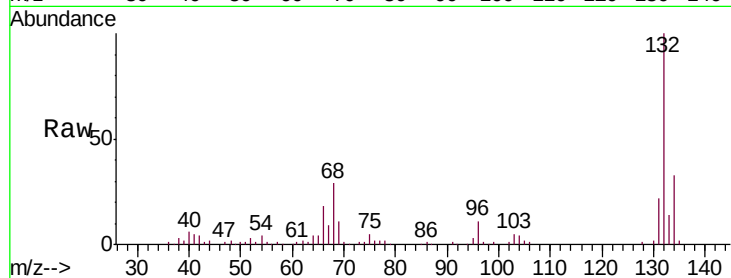
Tgt Ion:128 Resp: 533

Ion Ratio Lower Upper

128 100

130 179.3 12.9 52.9#

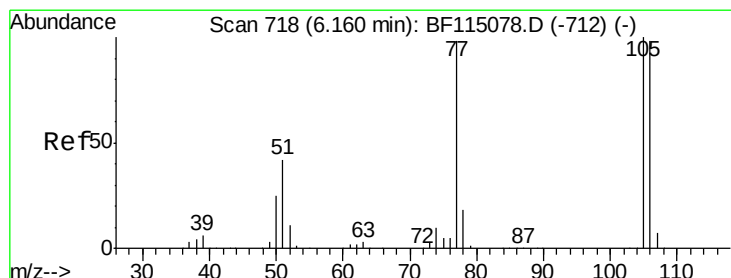
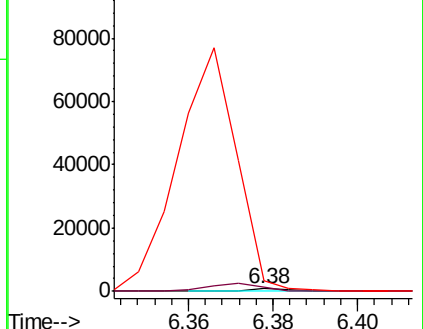
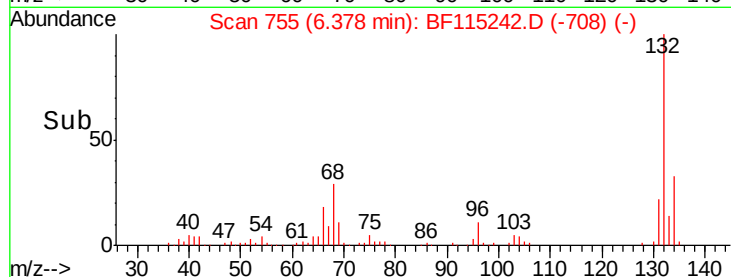
64 416.8 22.9 62.9#



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: 0.290 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.08 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

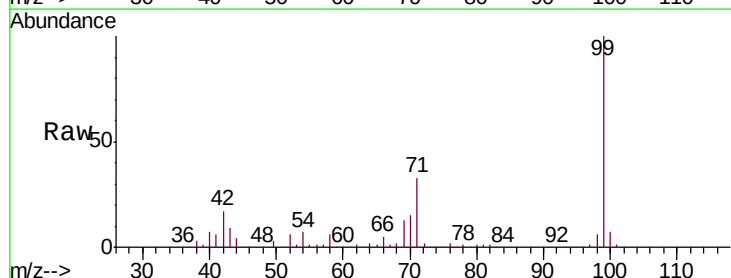
Tgt Ion: 77 Resp: 3232

Ion Ratio Lower Upper

77 100

105 0.0 81.5 121.5#

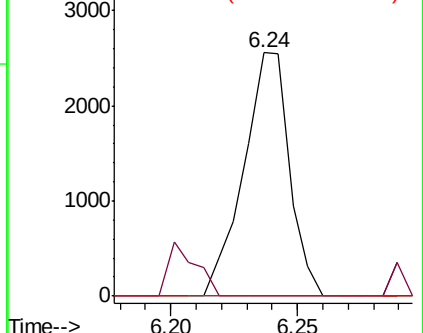
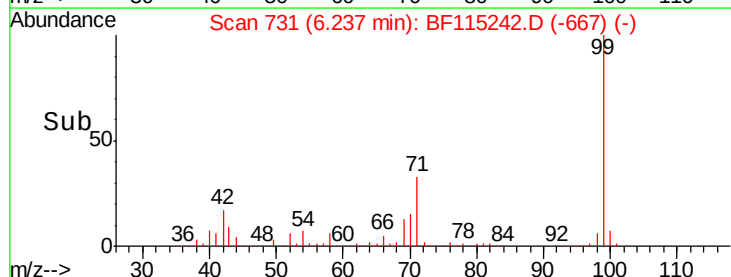
106 0.0 79.7 119.7#

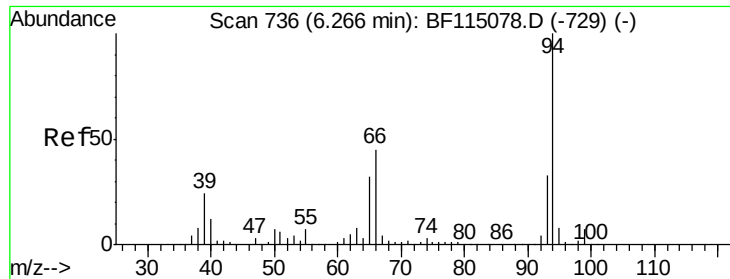


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.648 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.02 min

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ClientSampled :

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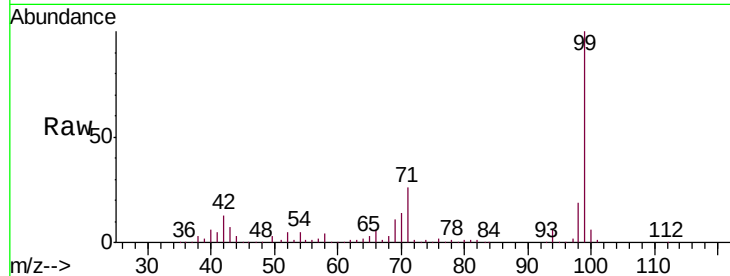
Tgt Ion: 94 Resp: 12972

Ion Ratio Lower Upper

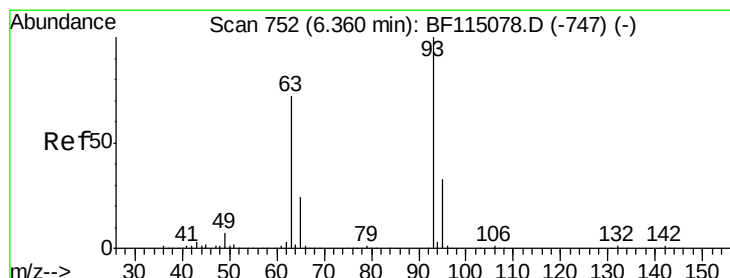
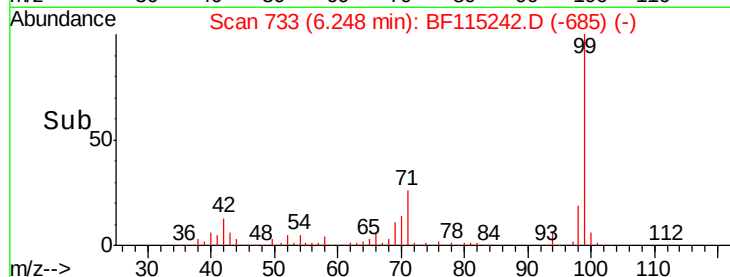
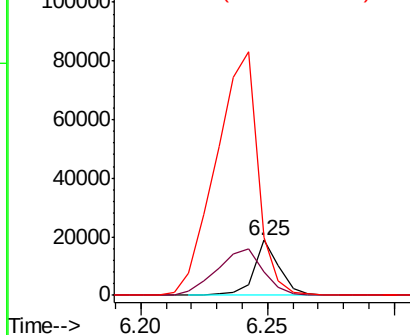
94 100

65 41.6 11.9 51.9

66 105.3 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: 0.164 ng

RT: 6.36 min Scan# 752

Delta R.T. 0.00 min

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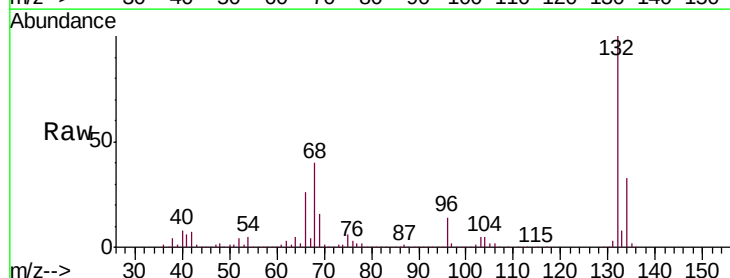
Tgt Ion: 93 Resp: 2417

Ion Ratio Lower Upper

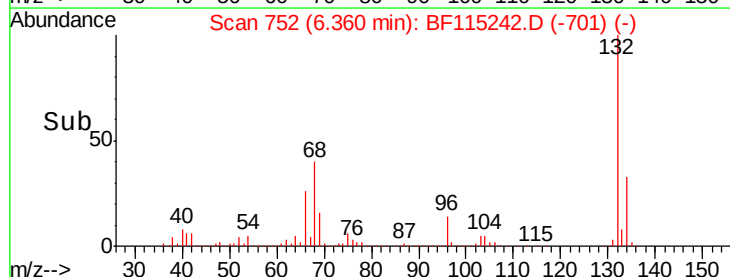
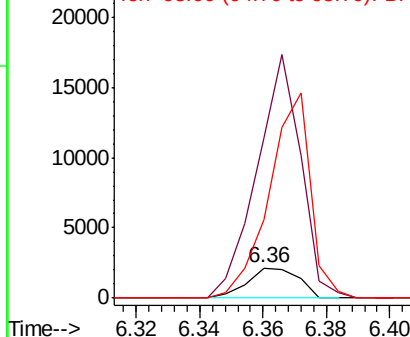
93 100

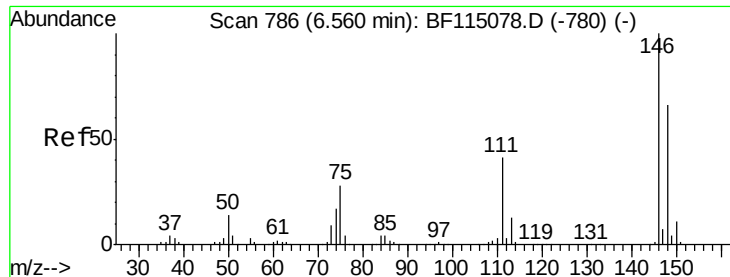
63 535.8 51.5 91.5#

95 260.5 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

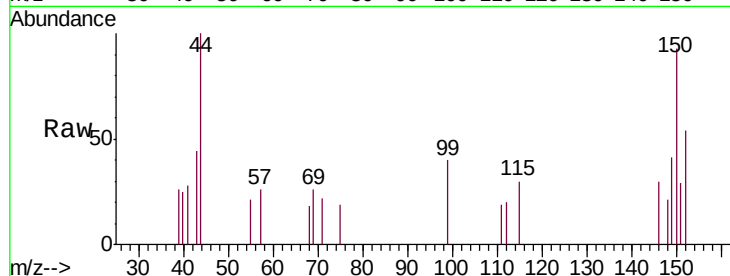




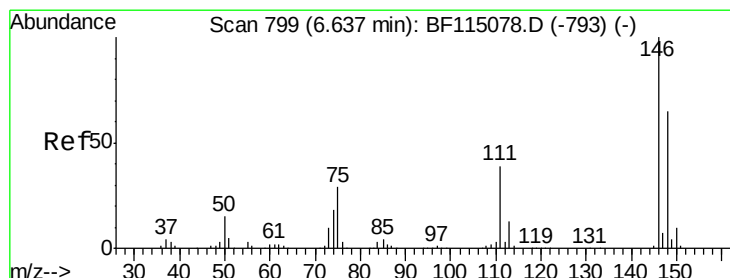
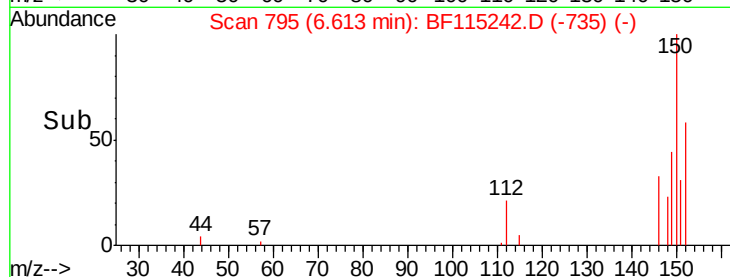
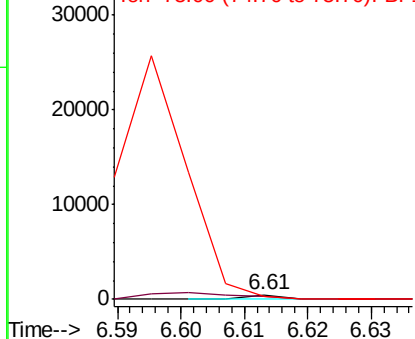
#12
 1,3-Dichlorobenzene
 Concen: 0.010 ng
 RT: 6.61 min Scan# 795
 Delta R.T. 0.05 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

Tgt Ion:146 Resp: 179
 Ion Ratio Lower Upper
 146 100
 148 70.4 52.6 78.8
 75 61.7 22.6 34.0#

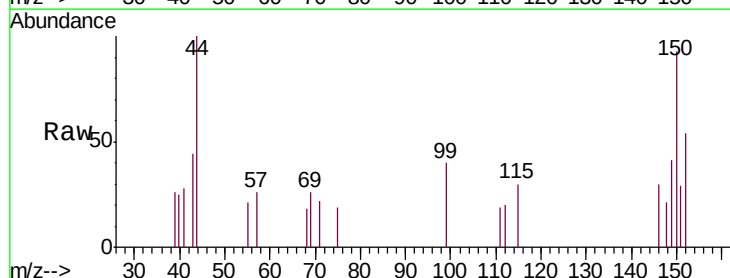


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

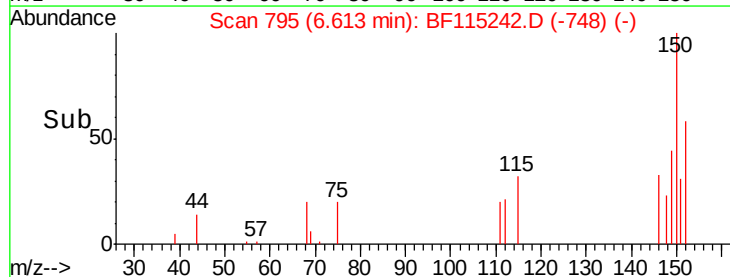
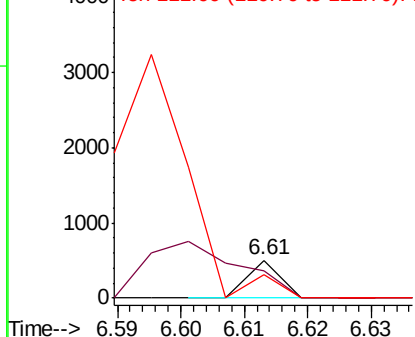


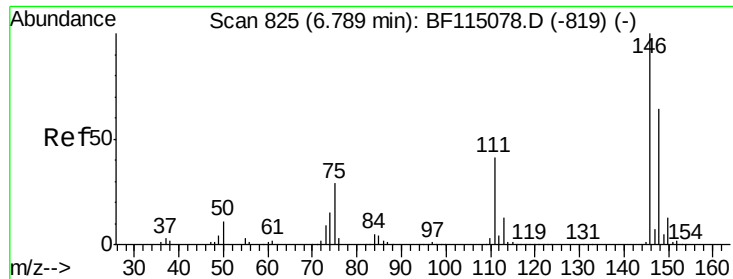
#13
 1,4-Dichlorobenzene
 Concen: 0.010 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion:146 Resp: 179
 Ion Ratio Lower Upper
 146 100
 148 70.4 51.9 77.9
 111 60.9 31.4 47.0#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

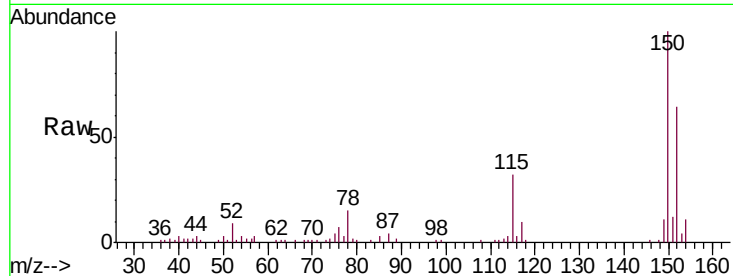




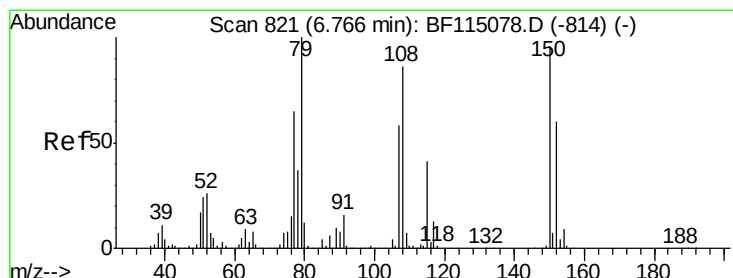
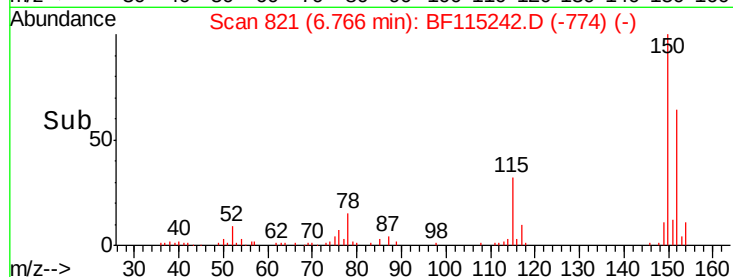
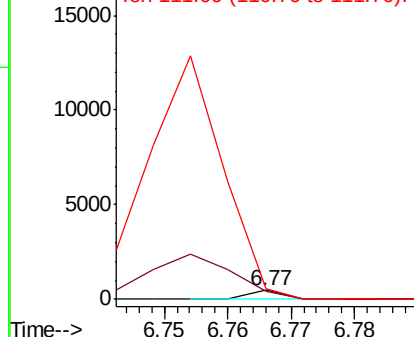
#14
1,2-Dichlorobenzene
Concen: 0.010 ng
RT: 6.77 min Scan# 821
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tgt Ion:146 Resp: 170
Ion Ratio Lower Upper
146 100
148 93.0 51.1 76.7#
111 123.2 33.2 49.8#

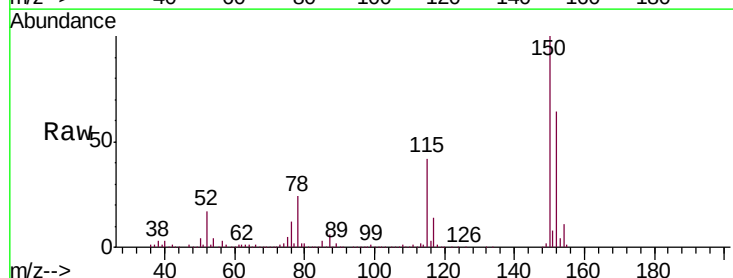


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

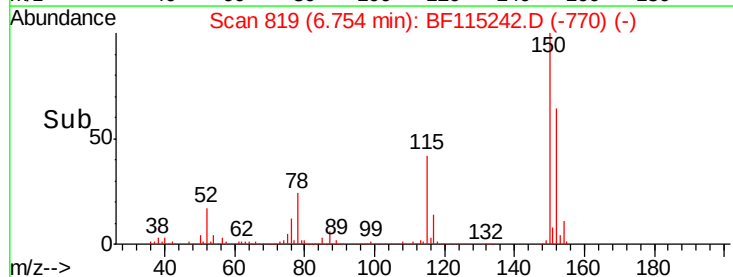
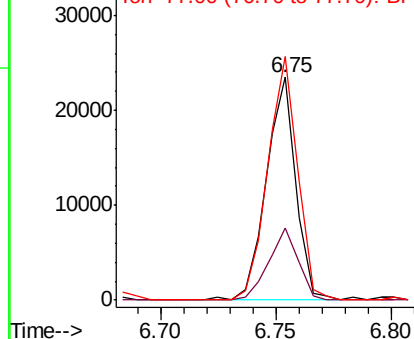


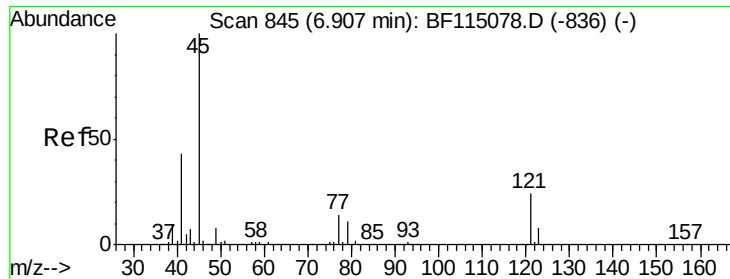
#15
Benzyl Alcohol
Concen: 1.672 ng
RT: 6.75 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 79 Resp: 20815
Ion Ratio Lower Upper
79 100
108 32.2 68.7 103.1#
77 109.2 51.7 77.5#



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

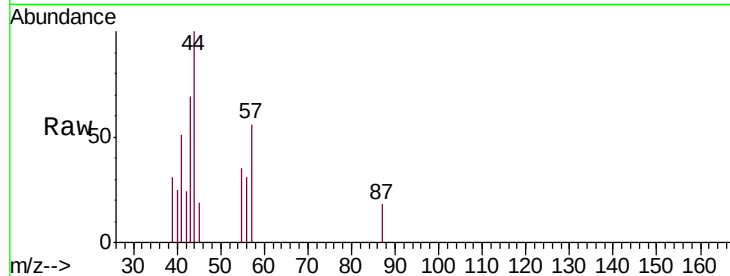




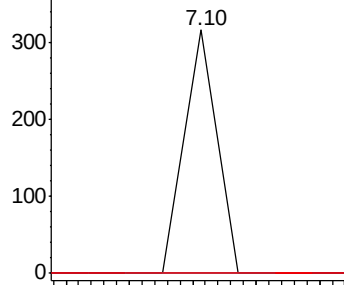
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.005 ng
RT: 7.10 min Scan# 878
Delta R.T. 0.19 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampled :
CP-S4-SOIL

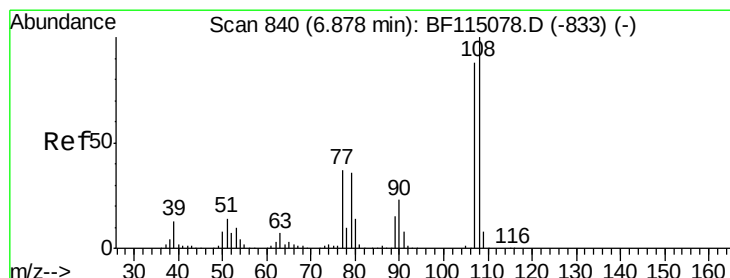
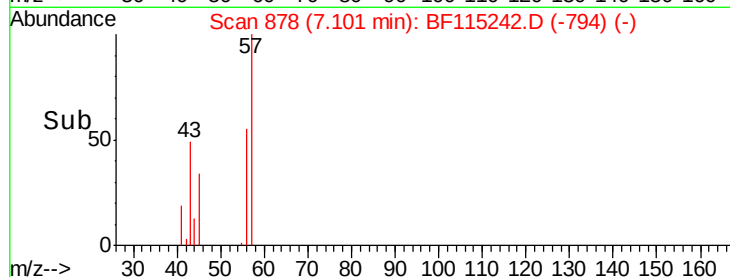
Tgt Ion: 45 Resp: 112
Ion Ratio Lower Upper
45 100
77 0.0 0.0 34.6
79 0.0 0.0 31.2



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

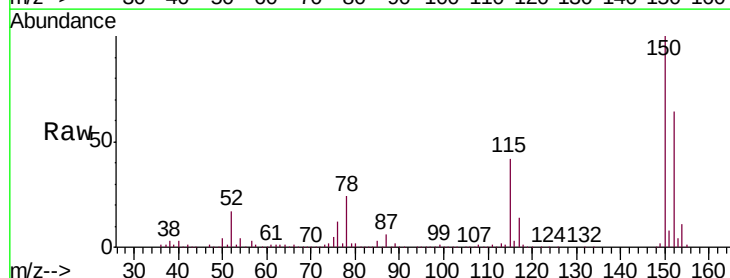


Time-->

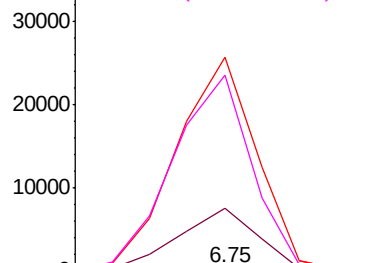


#17
2-Methylphenol
Concen: 0.009 ng
RT: 6.75 min Scan# 819
Delta R.T. -0.12 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

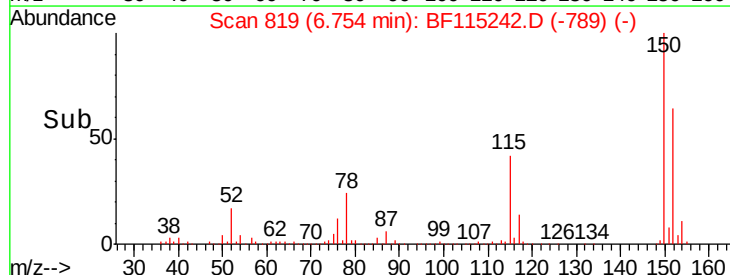
Tgt Ion: 107 Resp: 113
Ion Ratio Lower Upper
107 100
108 2359.2 90.9 136.3#
77 7995.0 33.4 50.2#
79 7322.1 32.3 48.5#

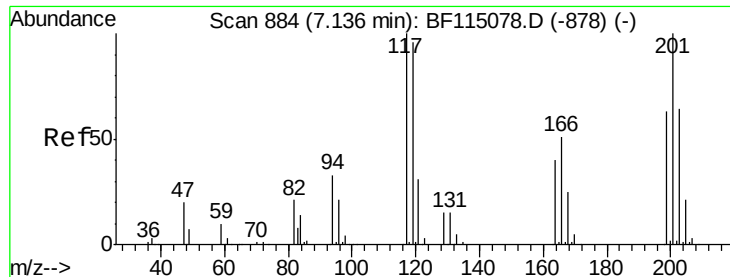


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



Time-->

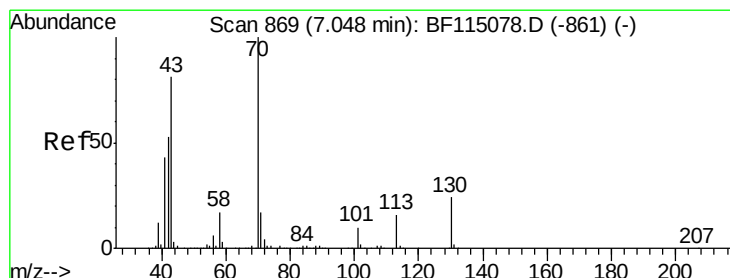
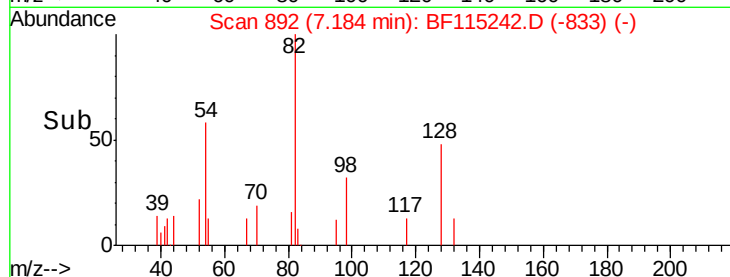
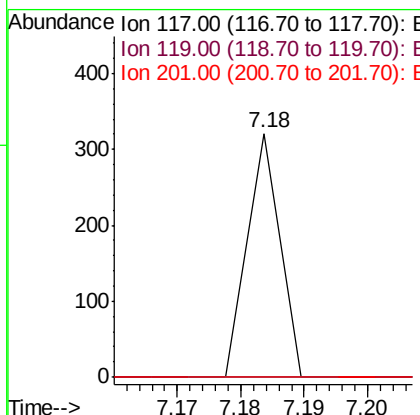
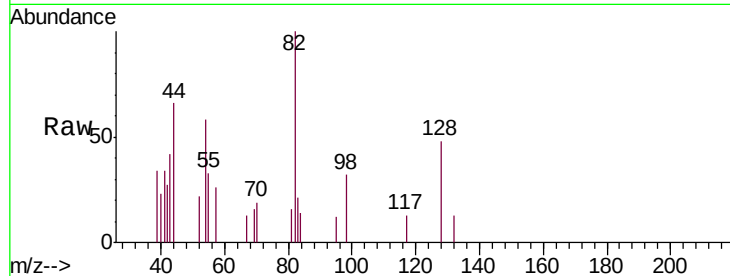




#18
Hexachloroethane
Concen: 0.018 ng
RT: 7.18 min Scan# 892
Delta R.T. 0.05 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

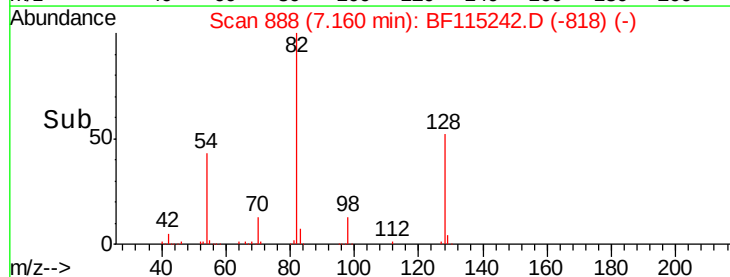
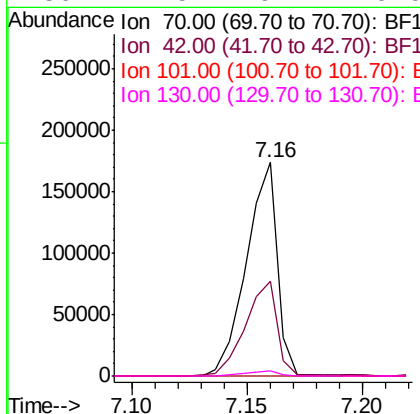
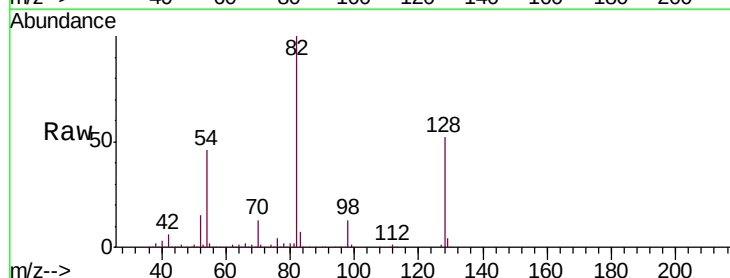
Instrument :
BNA_F
ClientSampled :
CP-S4-SOIL

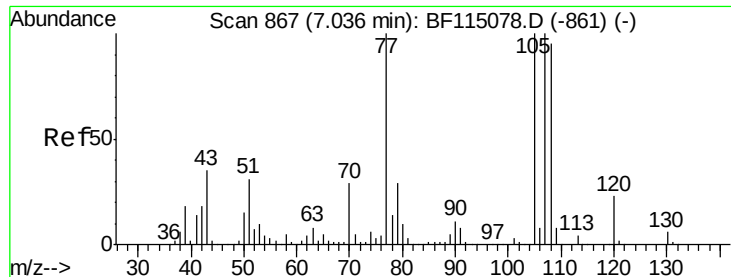
Tgt Ion: 117 Resp: 113
Ion Ratio Lower Upper
117 100
119 0.0 76.6 114.8#
201 0.0 80.2 120.2#



#19
n-Nitroso-di-n-propylamine
Concen: 14.864 ng
RT: 7.16 min Scan# 888
Delta R.T. 0.11 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 70 Resp: 162688
Ion Ratio Lower Upper
70 100
42 44.3 42.6 63.8
101 0.0 8.0 12.0#
130 2.5 19.4 29.0#

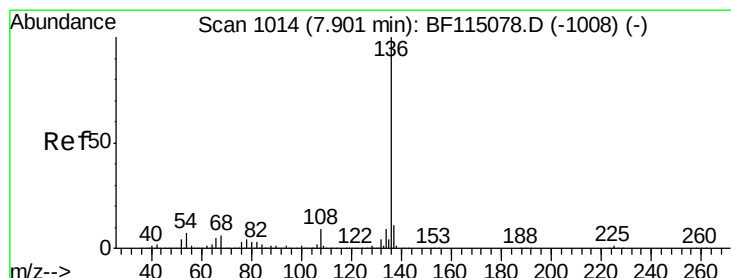
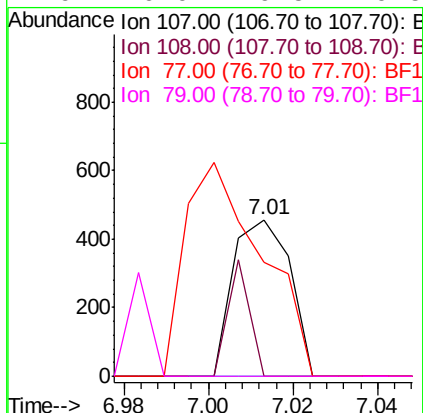
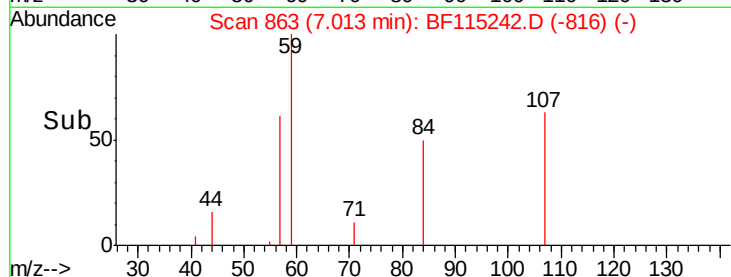
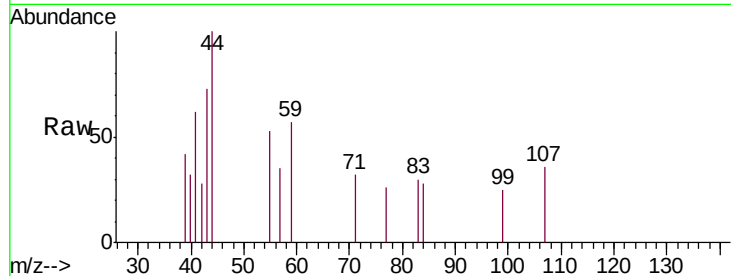




#20
3+4-Methylphenols
Concen: 0.028 ng
RT: 7.01 min Scan# 863
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

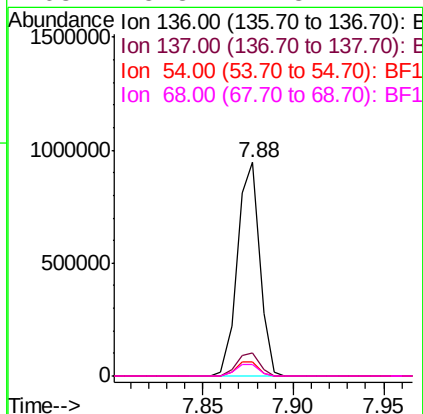
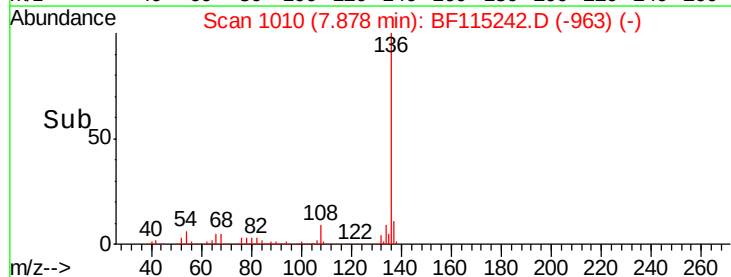
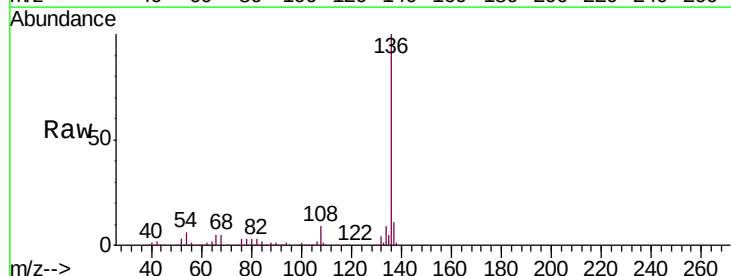
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

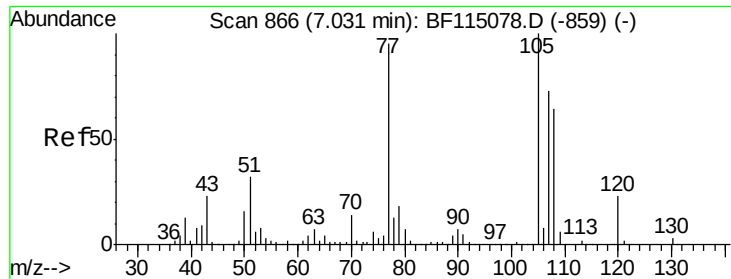
Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	75.5	115.5#
77	72.9	80.2	120.2#
79	0.0	9.5	49.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.4	5.6	8.4
68	5.3	4.8	7.2

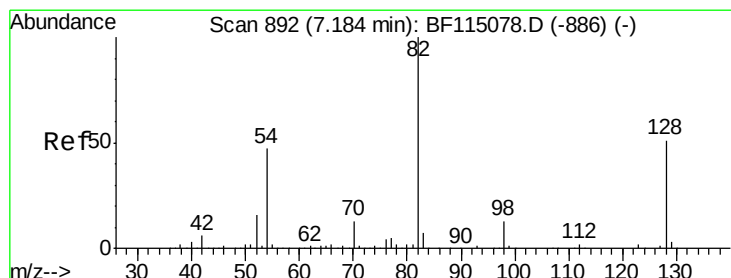
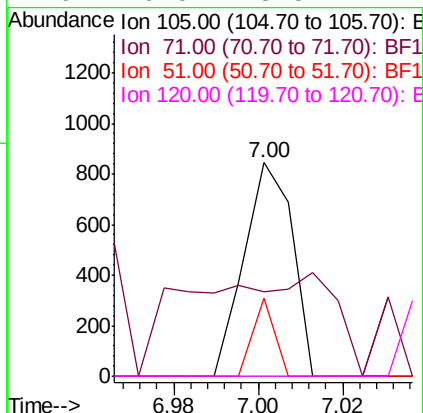
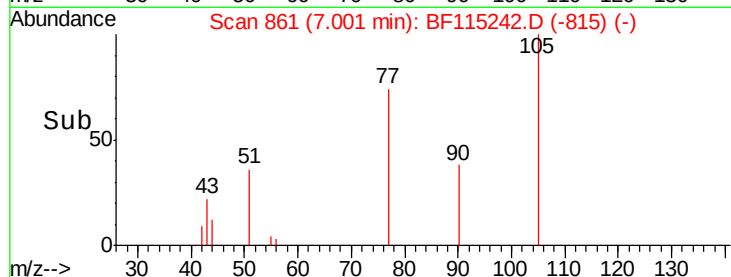
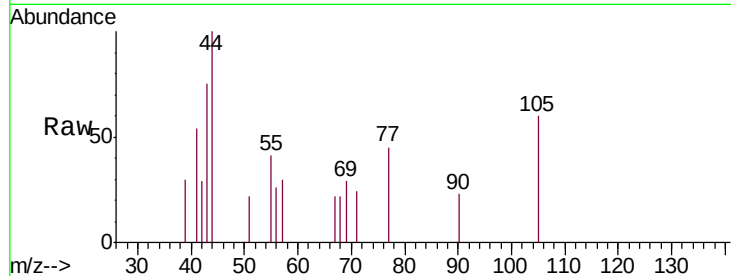




#22
Acetophenone
Concen: 0.036 ng
RT: 7.00 min Scan# 861
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

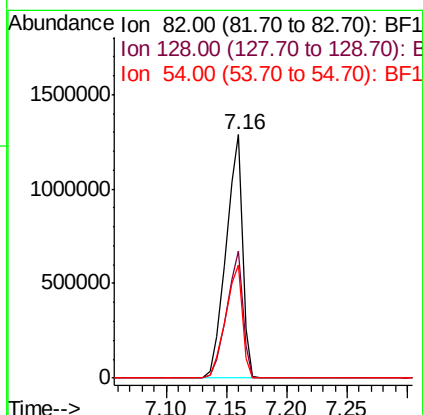
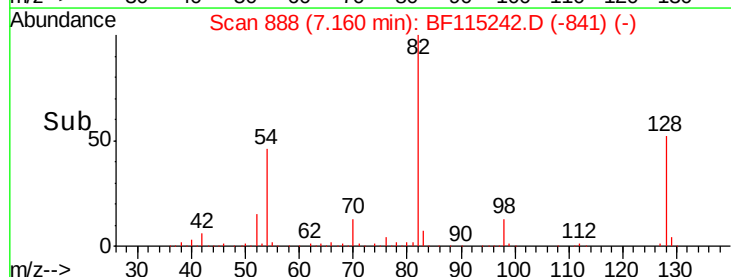
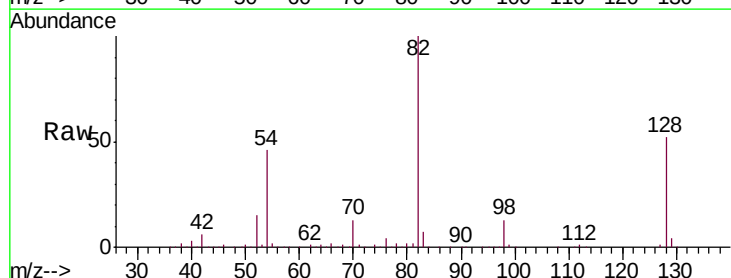
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

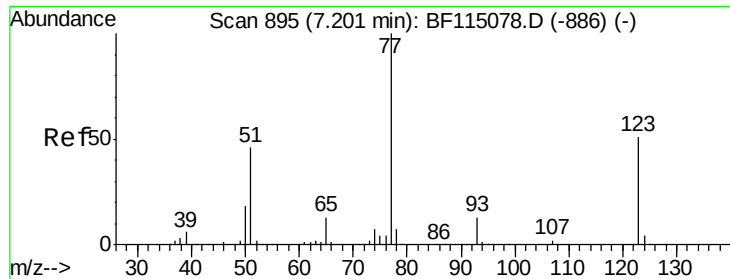
Tgt Ion: 105 Resp: 671
Ion Ratio Lower Upper
105 100
71 39.8 1.9 2.9#
51 36.3 25.8 38.8
120 0.0 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 92.174 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 82 Resp: 1220917
Ion Ratio Lower Upper
82 100
128 52.4 40.4 60.6
54 46.3 37.5 56.3





#24

Nitrobenzene

Concen: 0.253 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

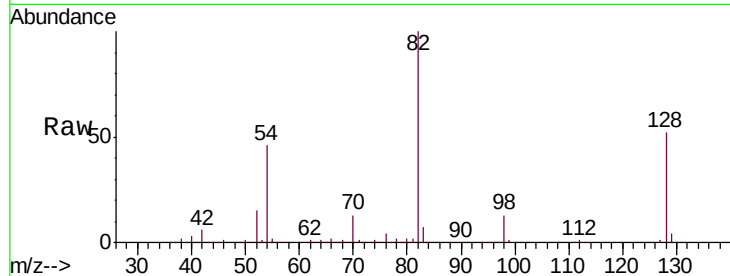
Tgt Ion: 77 Resp: 3688

Ion Ratio Lower Upper

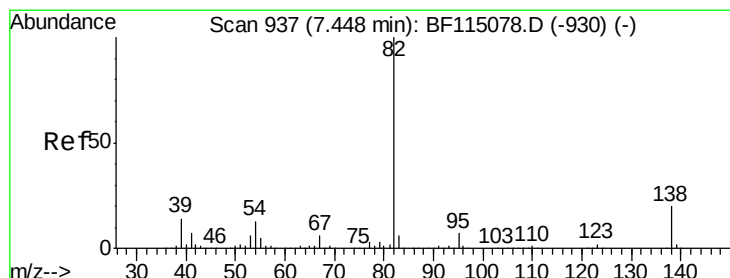
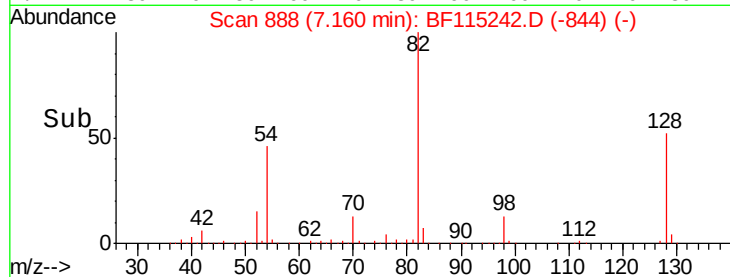
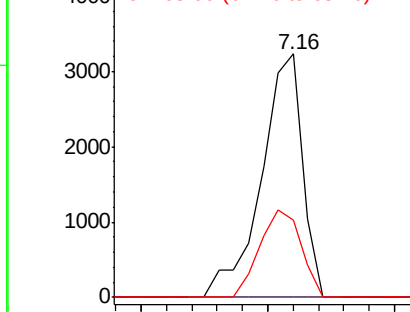
77 100

123 0.0 41.0 61.6#

65 31.5 10.5 15.7#



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



#25

Isophorone

Concen: 44.330 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.29 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

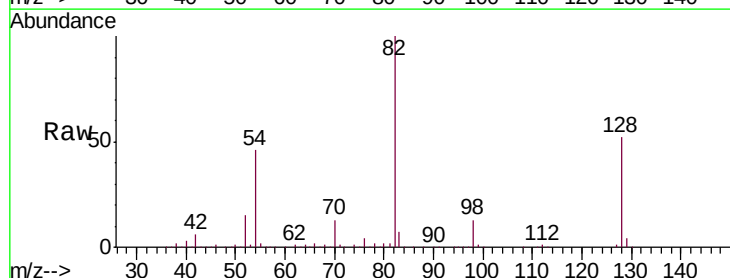
Tgt Ion: 82 Resp: 1202883

Ion Ratio Lower Upper

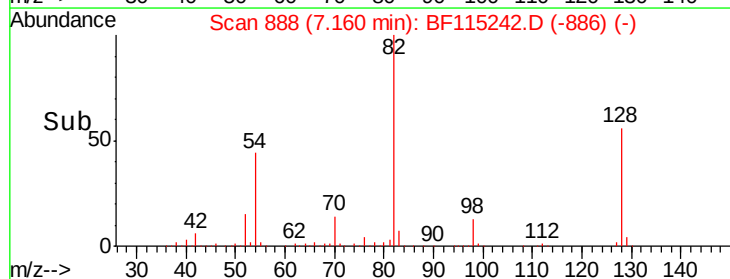
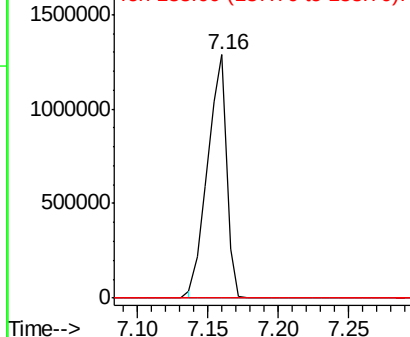
82 100

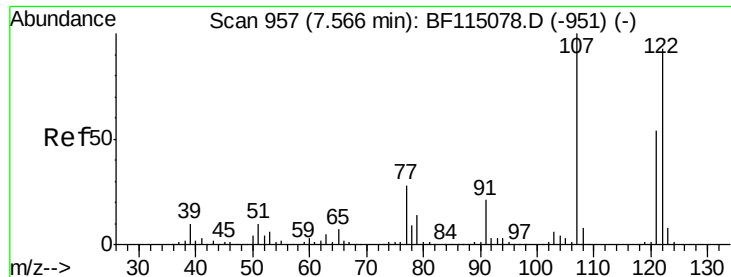
95 0.0 5.4 8.2#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

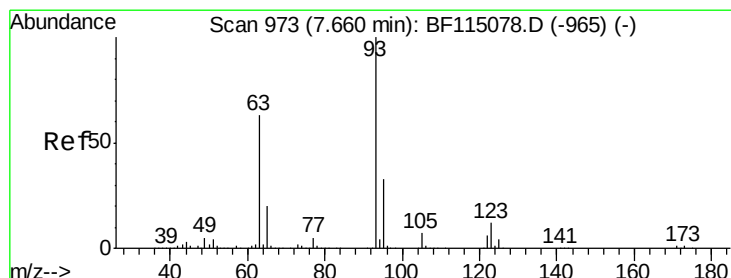
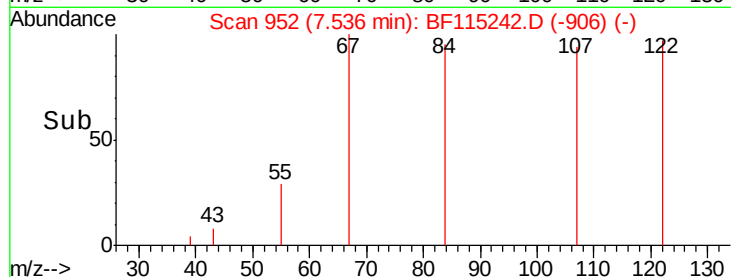
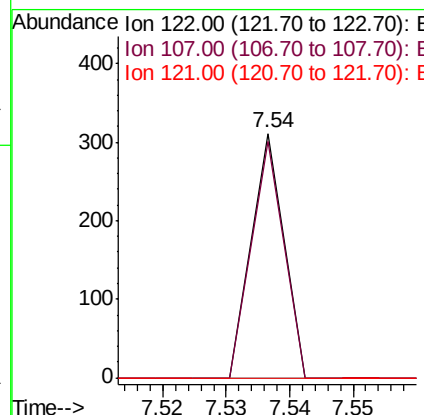
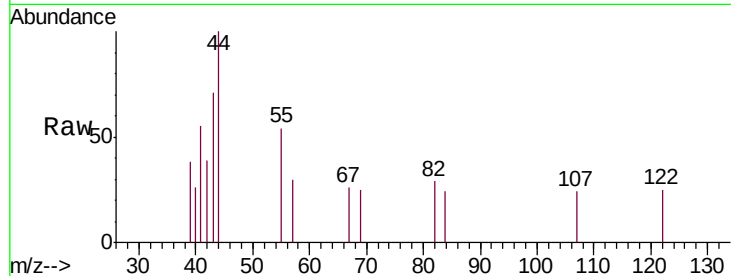




#27
2,4-Dimethylphenol
Concen: 0.009 ng
RT: 7.54 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

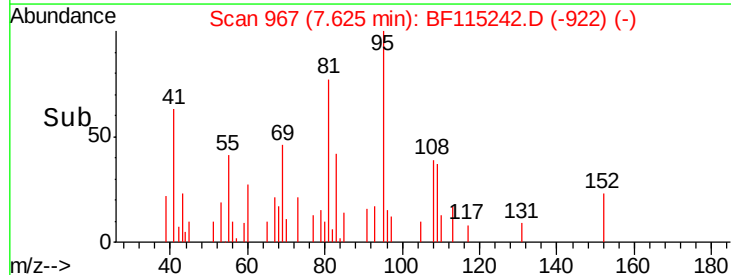
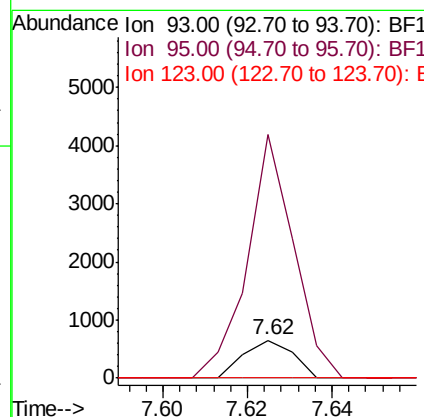
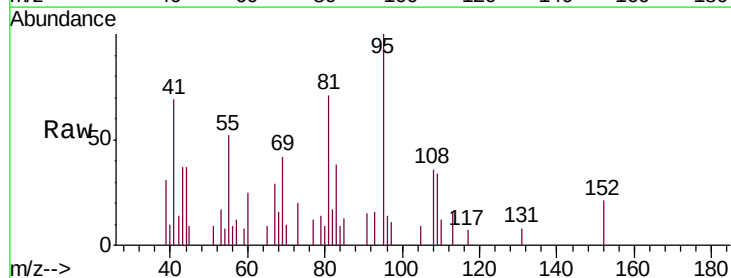
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

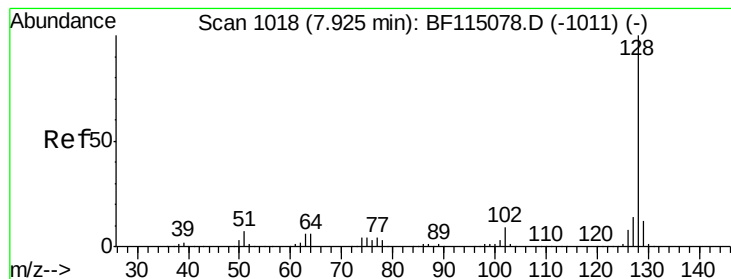
Tgt Ion:122 Resp: 110
Ion Ratio Lower Upper
122 100
107 97.1 85.8 128.6
121 0.0 46.3 69.5#



#28
bis(2-Chloroethoxy)methane
Concen: 0.031 ng
RT: 7.62 min Scan# 967
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 93 Resp: 531
Ion Ratio Lower Upper
93 100
95 638.6 26.2 39.4#
123 0.0 9.7 14.5#





#31

Naphthalene

Concen: 0.480 ng

RT: 7.90 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

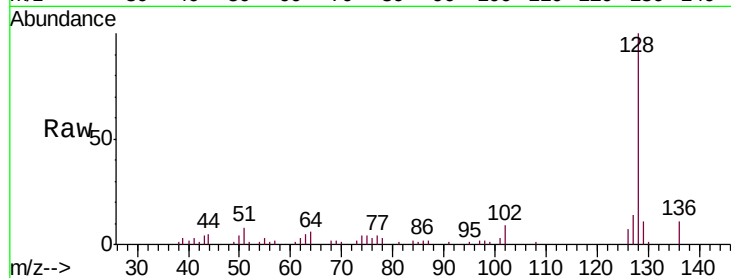
Tgt Ion:128 Resp: 19218

Ion Ratio Lower Upper

128 100

129 10.9 9.6 14.4

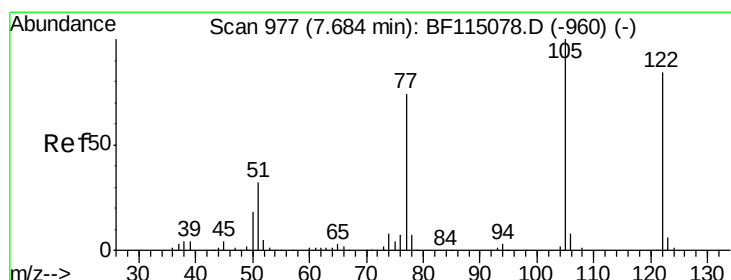
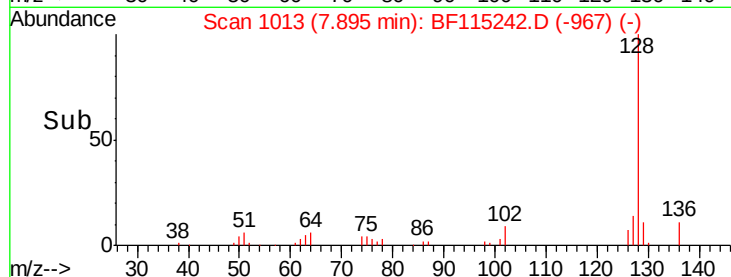
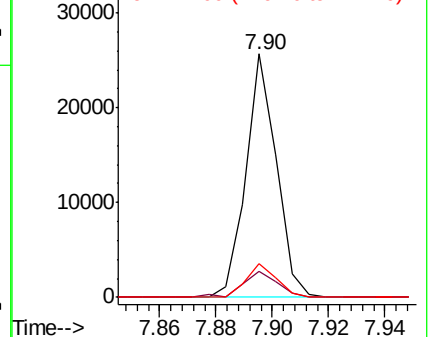
127 13.6 11.4 17.0



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: 0.013 ng

RT: 7.68 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

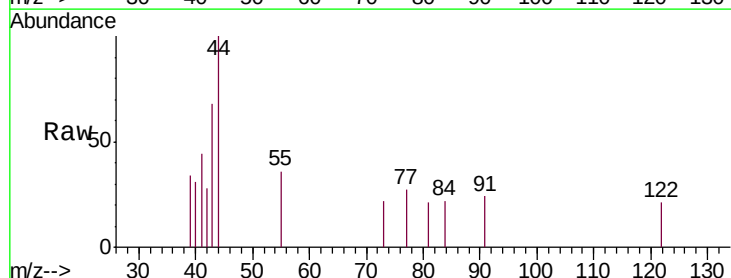
Tgt Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 0.0 98.2 138.2#

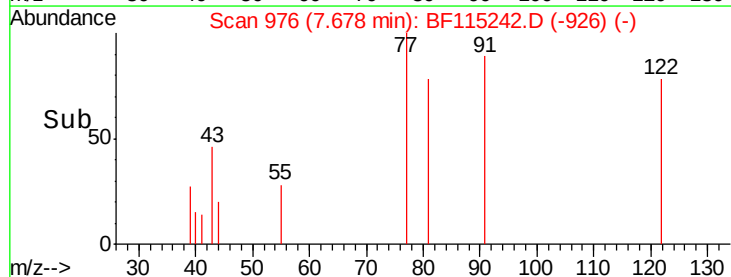
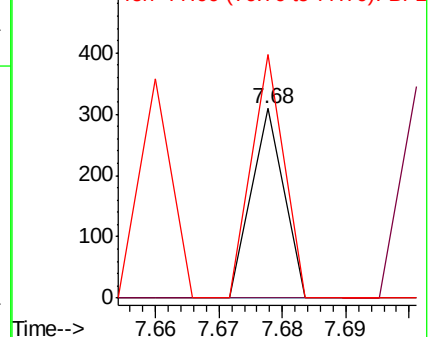
77 128.5 67.0 107.0#

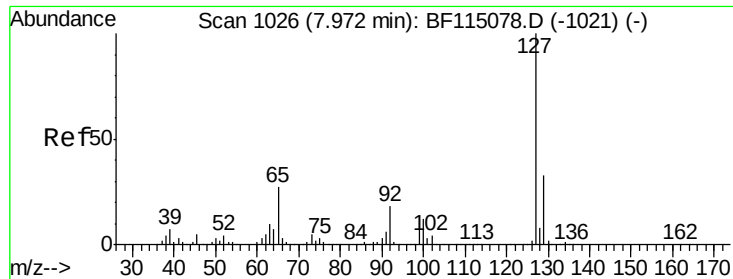


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

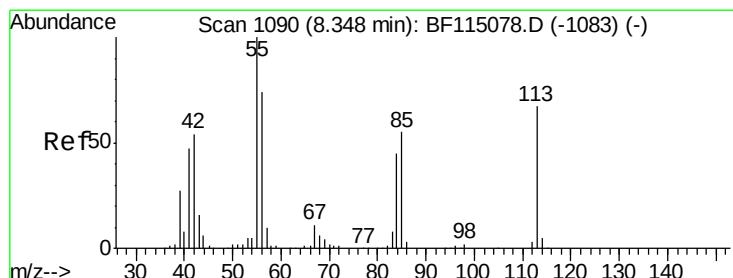
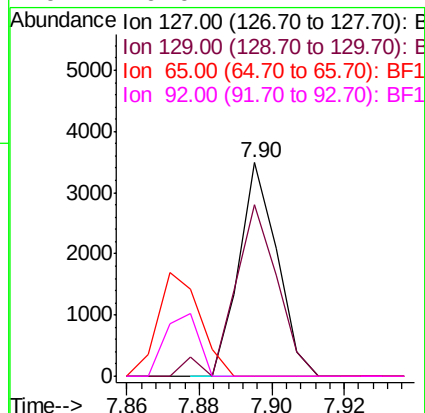
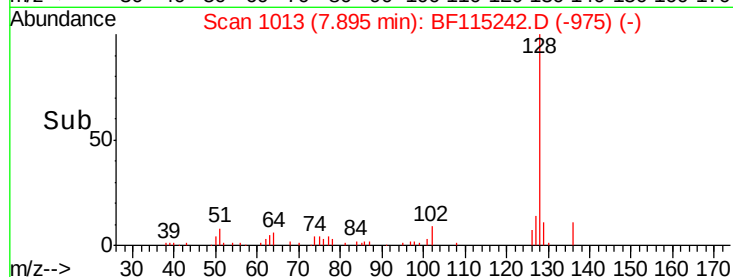
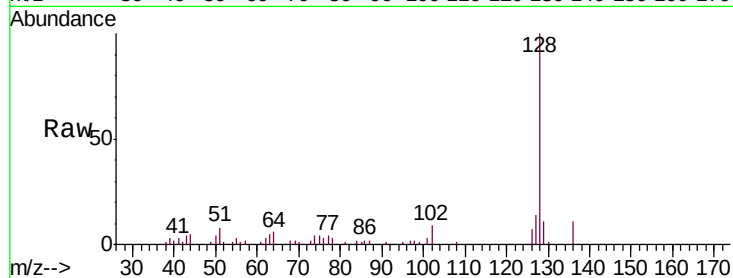




#33
4-Chloroaniline
Concen: 0.141 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.08 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

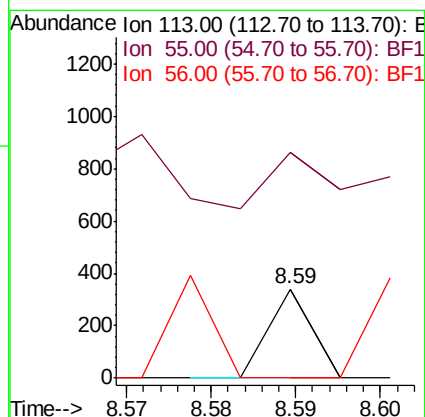
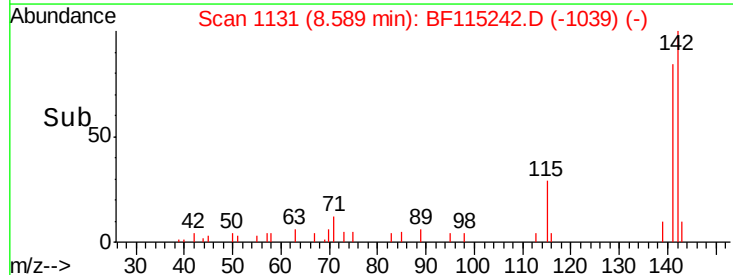
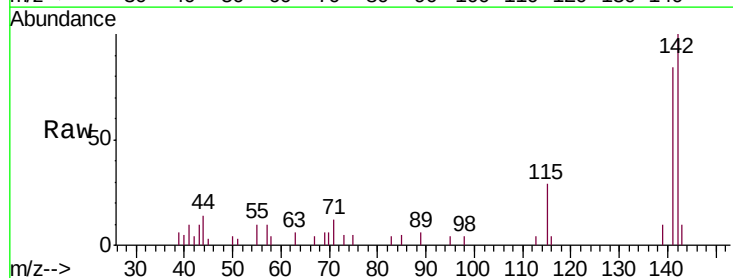
Instrument :
BNA_F
ClientSampled :
CP-S4-SOIL

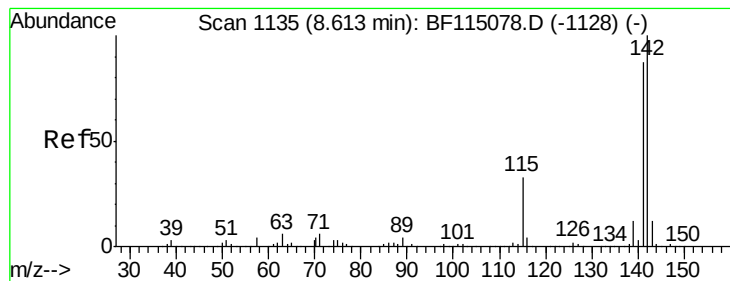
Tgt Ion:	127	Resp:	2581
Ion	Ratio	Lower	Upper
127	100		
129	80.5	26.1	39.1#
65	0.0	21.4	32.2#
92	0.0	14.1	21.1#



#35
Caprolactam
Concen: 0.029 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.24 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:	113	Resp:	120
Ion	Ratio	Lower	Upper
113	100		
55	252.5	130.2	170.2#
56	0.0	91.6	131.6#





#37

2-Methylnaphthalene

Concen: 0.303 ng

RT: 8.58 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

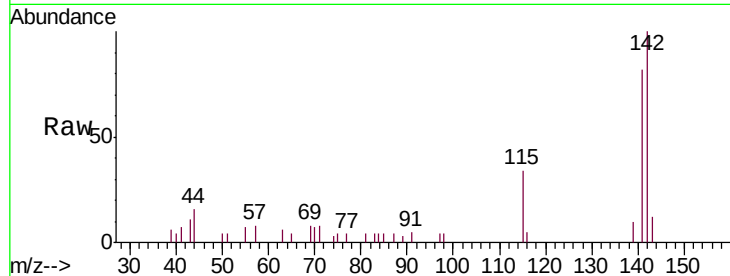
Tgt Ion:142 Resp: 8180

Ion Ratio Lower Upper

142 100

141 82.4 69.8 104.6

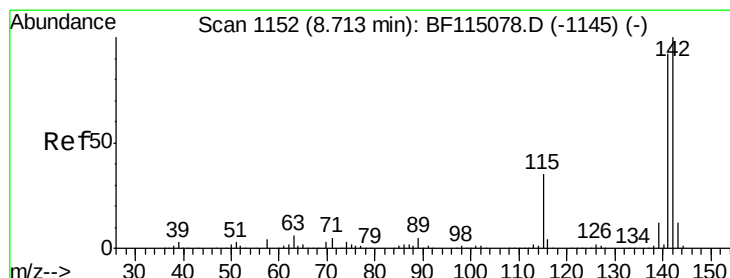
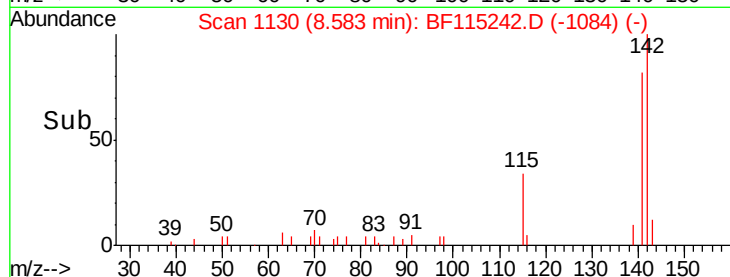
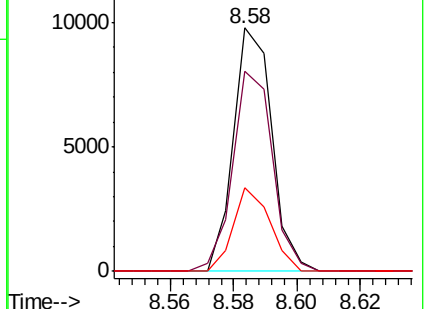
115 34.3 26.7 40.1



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: 0.294 ng

RT: 8.68 min Scan# 1147

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

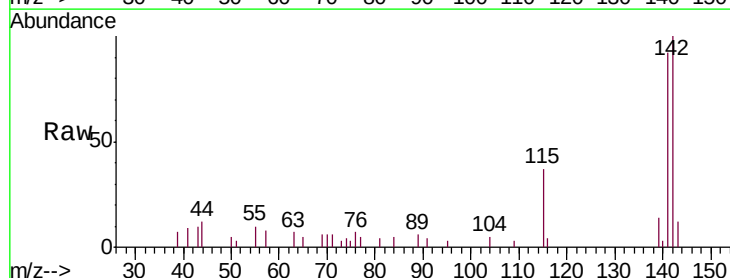
Tgt Ion:142 Resp: 7580

Ion Ratio Lower Upper

142 100

141 92.0 73.8 110.8

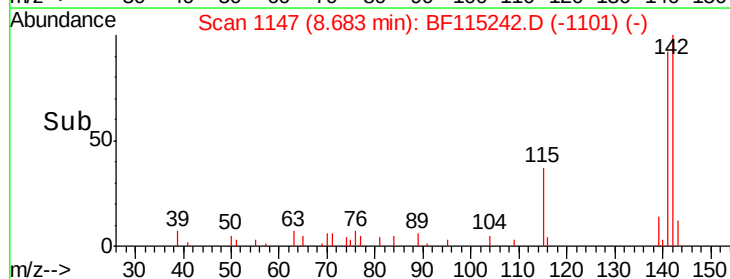
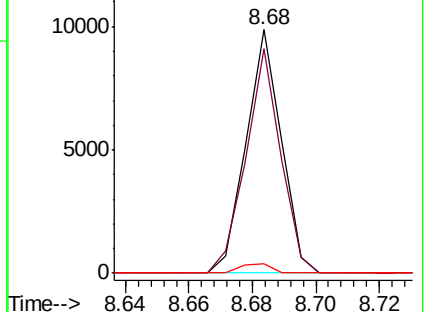
116 3.6 2.8 4.2

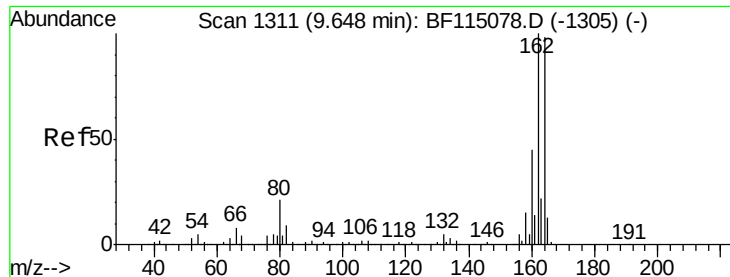


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

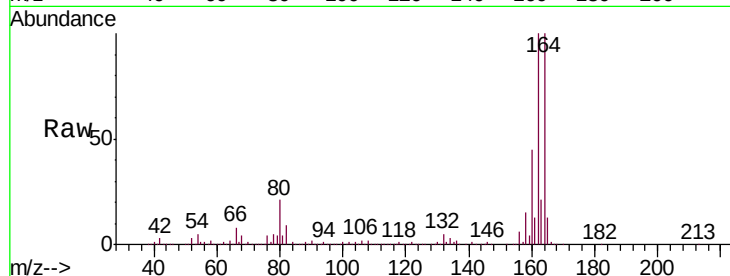




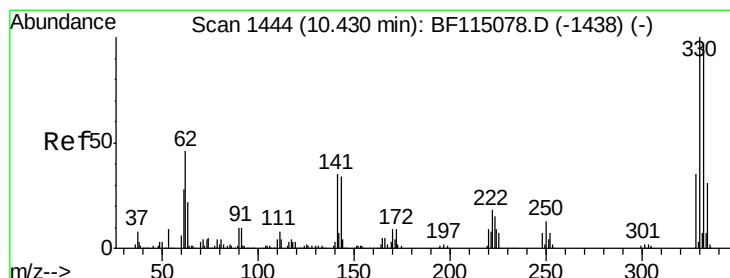
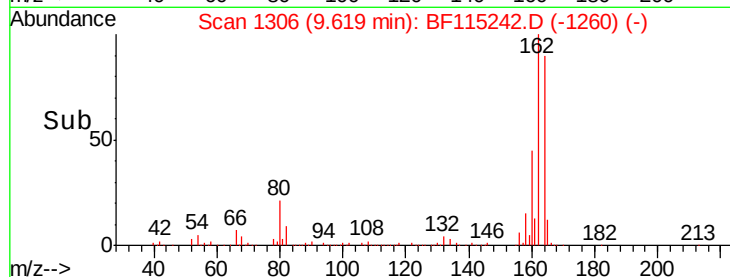
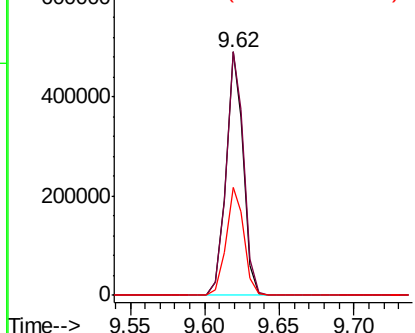
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tgt Ion:164 Resp: 401390
Ion Ratio Lower Upper
164 100
162 100.0 81.7 122.5
160 44.5 37.0 55.4

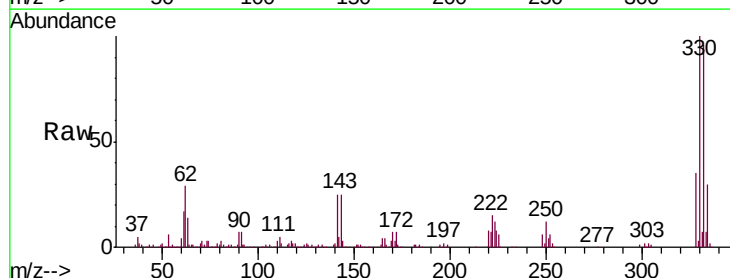


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

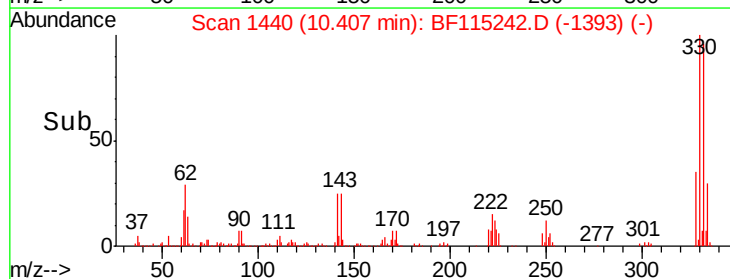
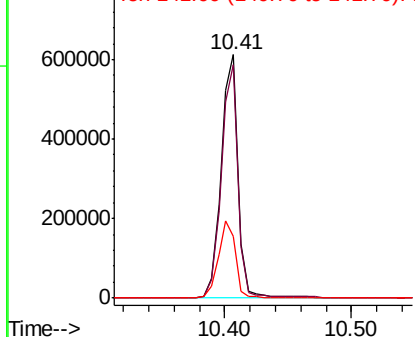


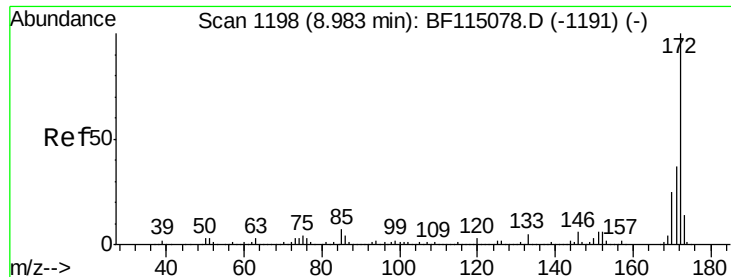
#42
2,4,6-Tribromophenol
Concen: 135.382 ng
RT: 10.41 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:330 Resp: 573043
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 32.4 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

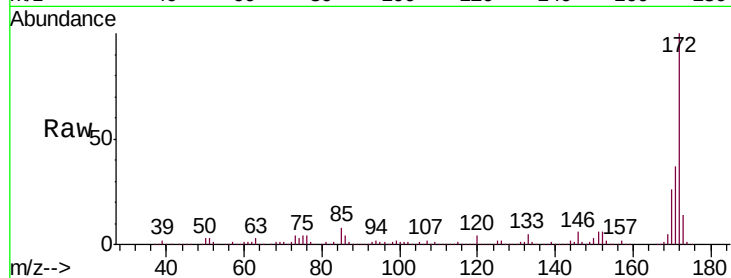




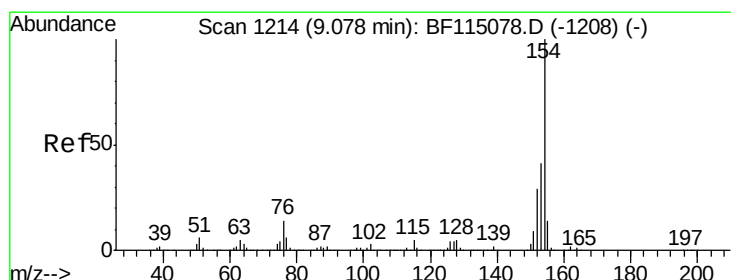
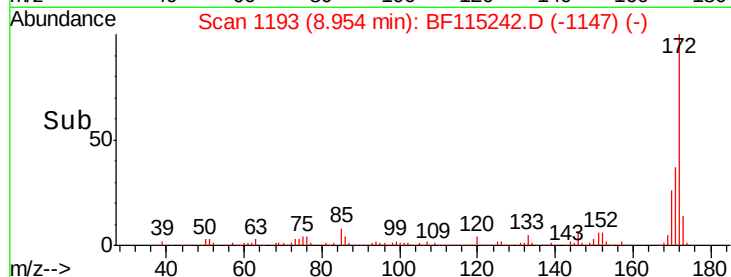
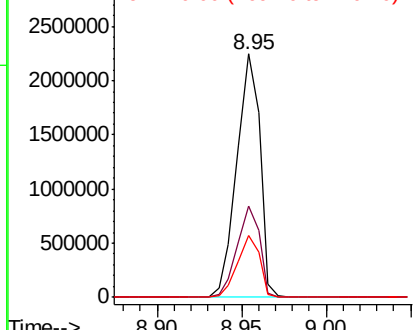
#45
2-Fluorobiphenyl
Concen: 90.696 ng
RT: 8.95 min Scan# 1193
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tgt Ion:172 Resp: 2143185
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.5 20.3 30.5

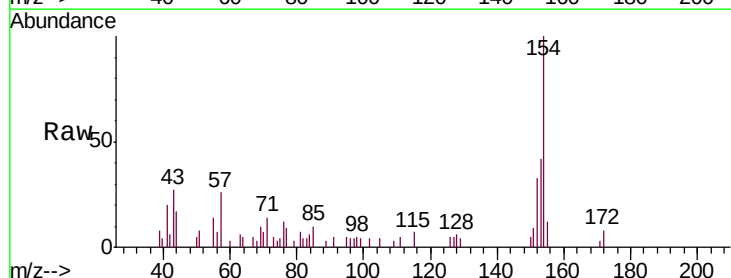


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

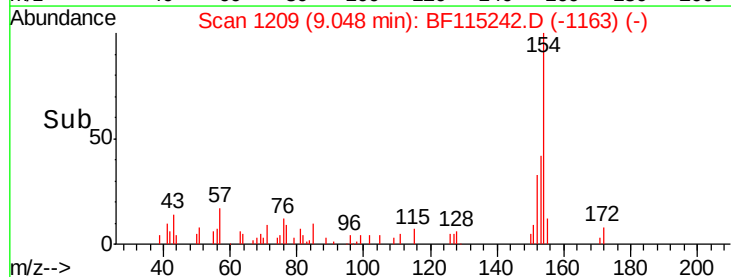
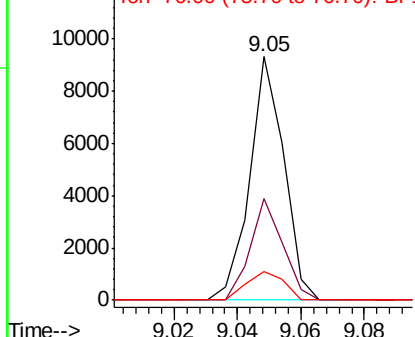


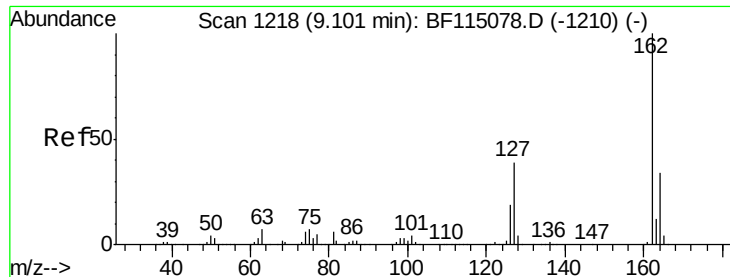
#46
1,1'-Biphenyl
Concen: 0.217 ng
RT: 9.05 min Scan# 1209
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:154 Resp: 6964
Ion Ratio Lower Upper
154 100
153 41.6 20.9 60.9
76 11.9 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: 0.006 ng

RT: 9.12 min Scan# 1221

Delta R.T. 0.02 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

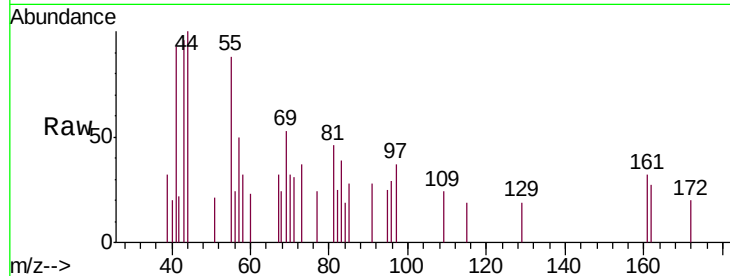
Tgt Ion: 162 Resp: 150

Ion Ratio Lower Upper

162 100

127 0.0 30.8 46.2#

164 0.0 27.0 40.4#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

9.12

400

300

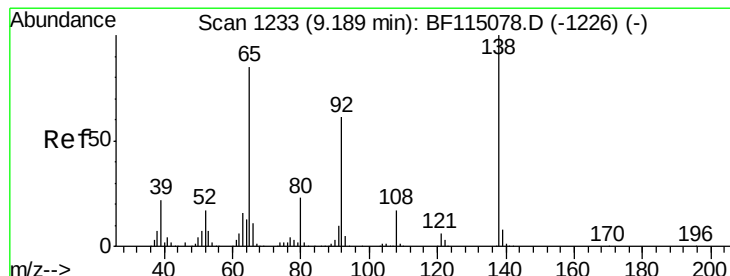
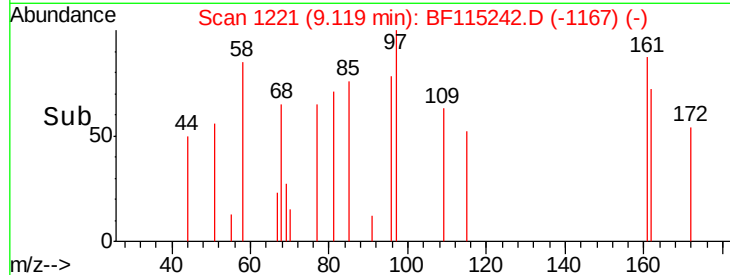
200

100

0

9.10 9.11 9.12 9.13

Time-->



#48

2-Nitroaniline

Concen: 0.032 ng

RT: 9.09 min Scan# 1216

Delta R.T. -0.10 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

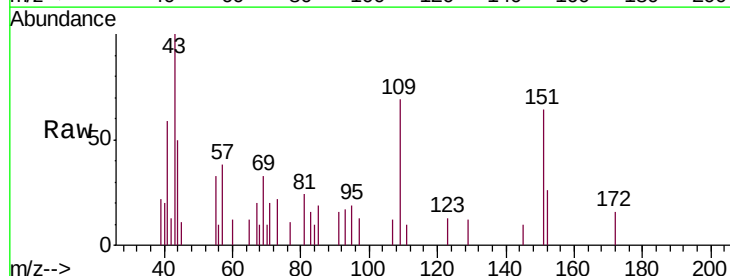
Tgt Ion: 65 Resp: 243

Ion Ratio Lower Upper

65 100

92 0.0 57.4 86.2#

138 0.0 94.1 141.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

9.09

400

300

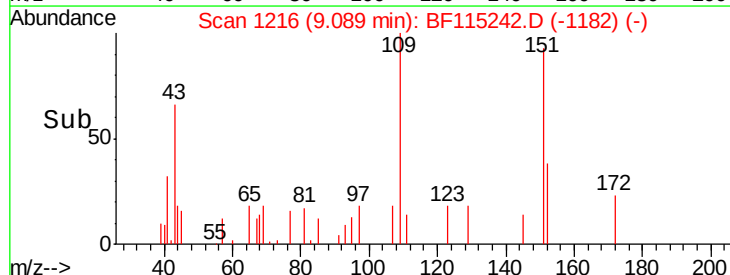
200

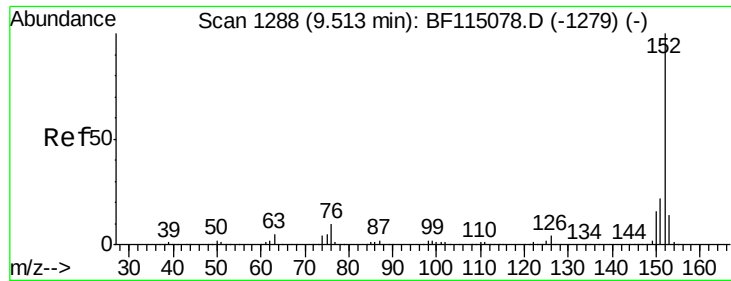
100

0

9.06 9.08 9.09 9.10

Time-->





#49

Acenaphthylene

Concen: 0.331 ng

RT: 9.48 min Scan# 1282

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

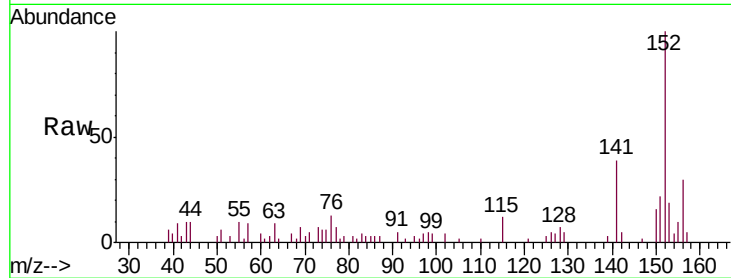
Tgt Ion:152 Resp: 13426

Ion Ratio Lower Upper

152 100

151 21.5 17.2 25.8

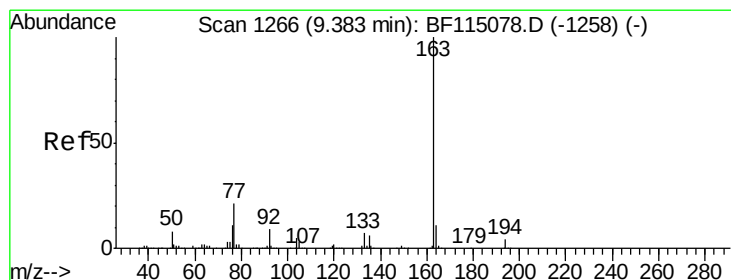
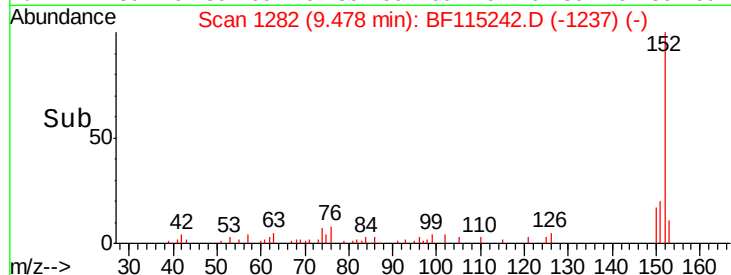
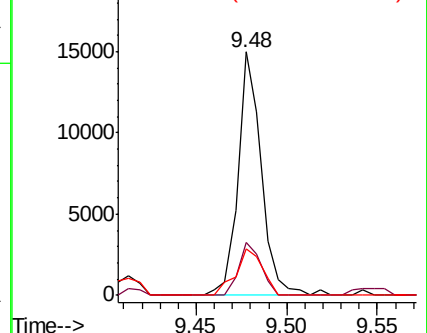
153 19.0 11.0 16.6#



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: 13.469 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

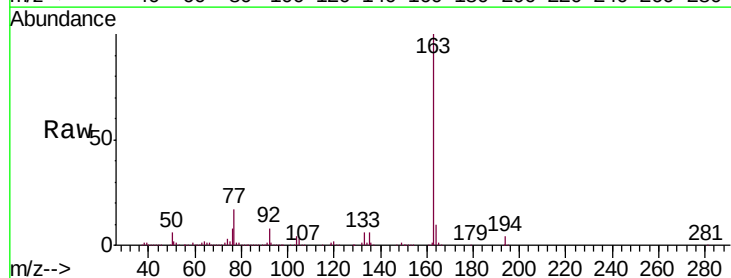
Tgt Ion:163 Resp: 397756

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

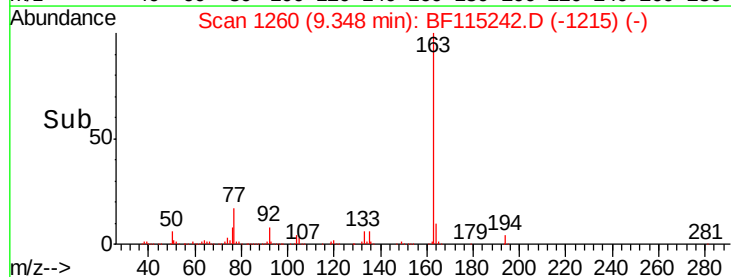
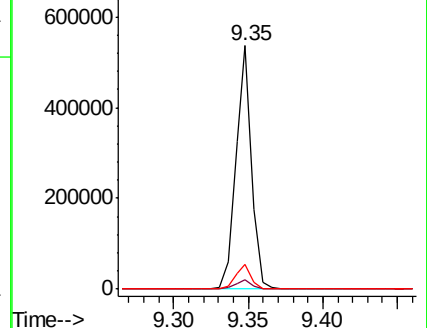
164 9.9 8.6 13.0

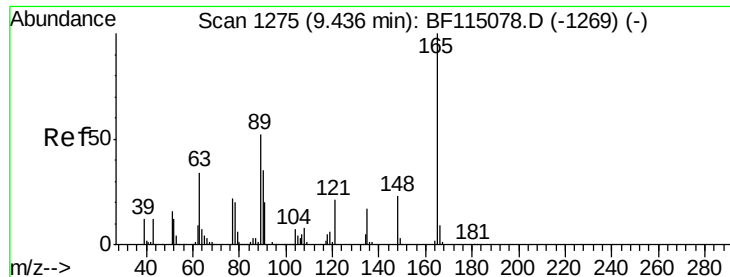


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.669 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.09 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

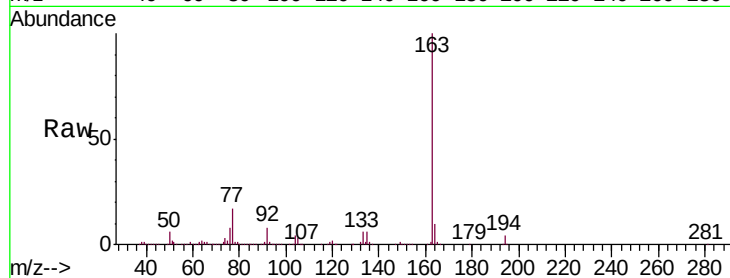
Tgt Ion:165 Resp: 4564

Ion Ratio Lower Upper

165 100

63 118.2 39.4 59.2#

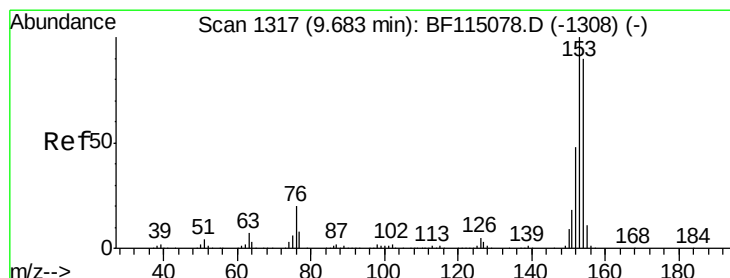
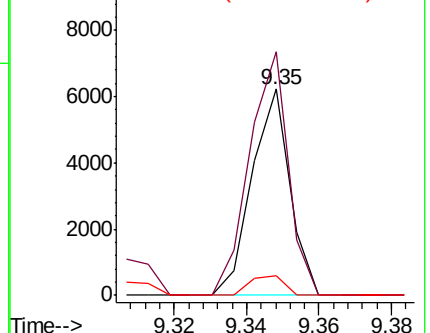
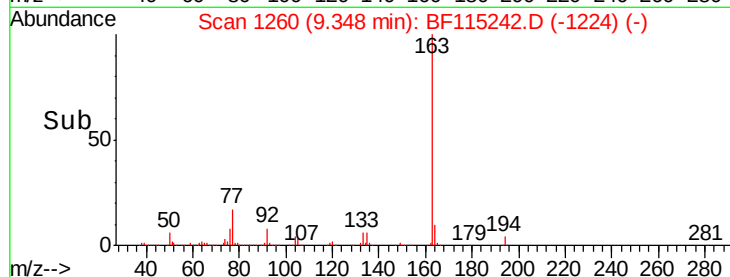
89 9.4 42.0 63.0#



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: 0.841 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

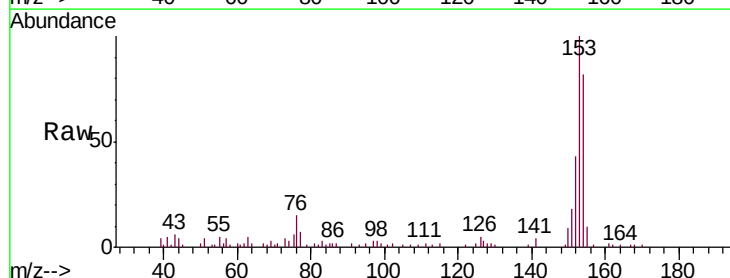
Tgt Ion:154 Resp: 21365

Ion Ratio Lower Upper

154 100

153 121.8 88.7 133.1

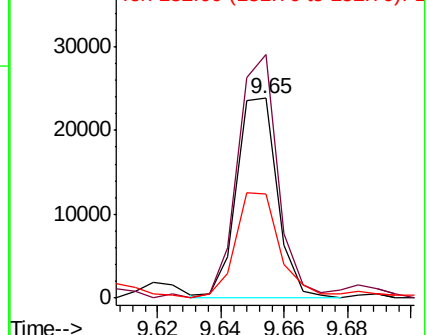
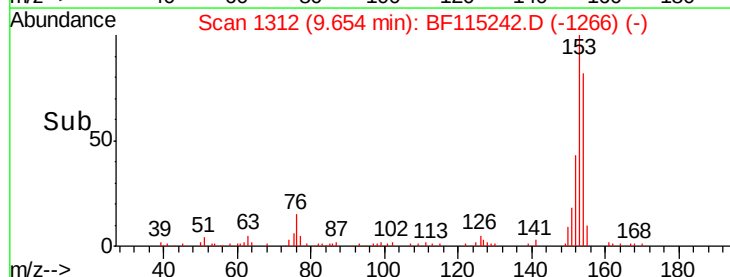
152 51.8 42.6 64.0

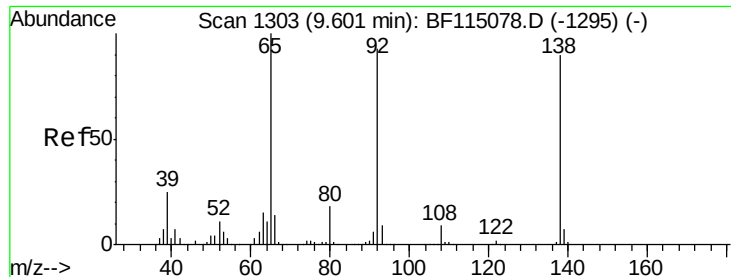


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

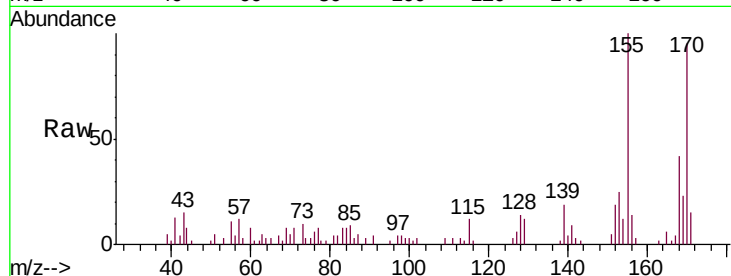




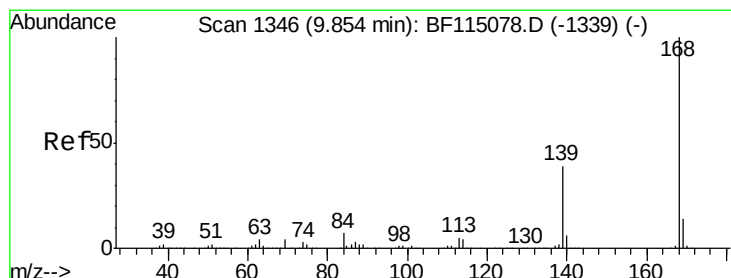
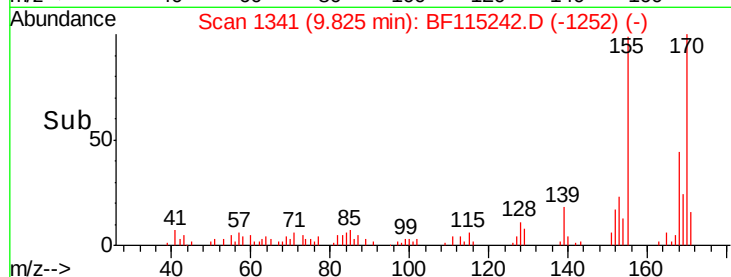
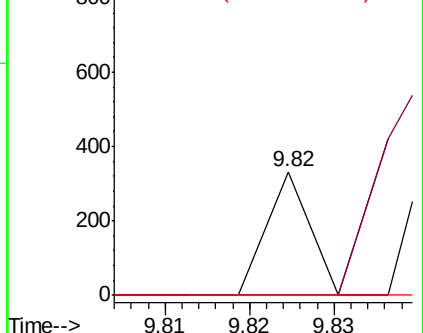
#53
3-Nitroaniline
Concen: 0.014 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.22 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tgt Ion:138 Resp: 118
Ion Ratio Lower Upper
138 100
108 0.0 7.8 11.6#
92 0.0 82.9 124.3#

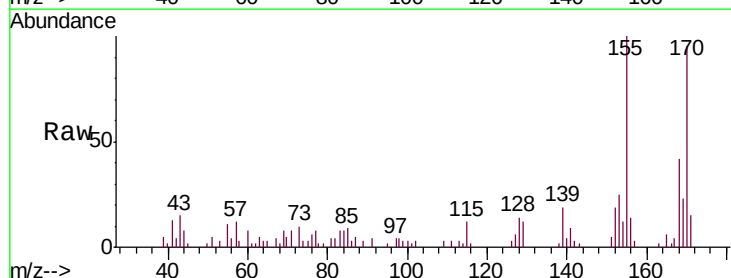


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

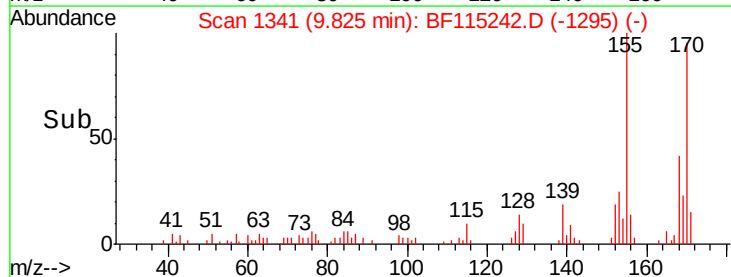
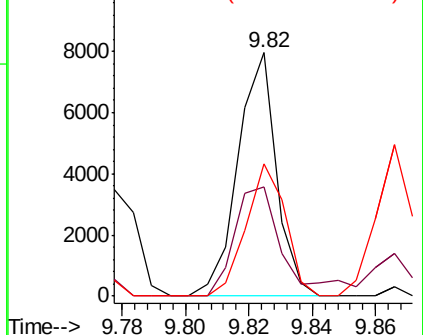


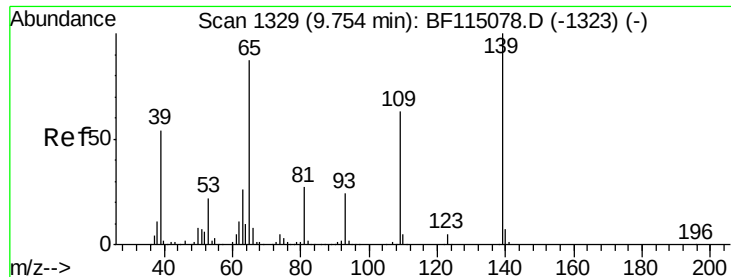
#55
Dibenzofuran
Concen: 0.183 ng
RT: 9.82 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:168 Resp: 6687
Ion Ratio Lower Upper
168 100
139 45.1 31.1 46.7
169 54.5 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

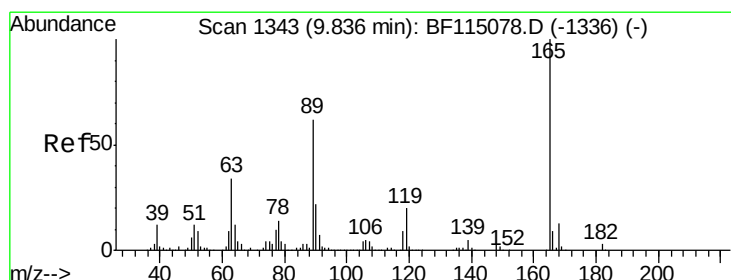
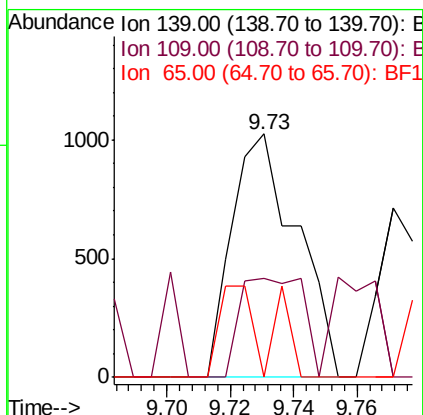
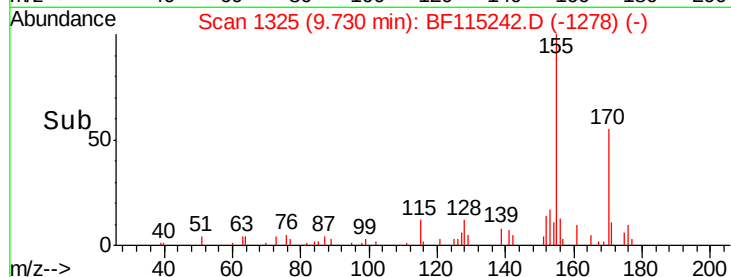
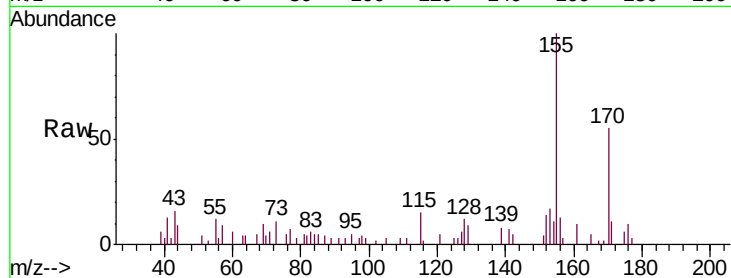




#56
4-Nitrophenol
Concen: 0.218 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

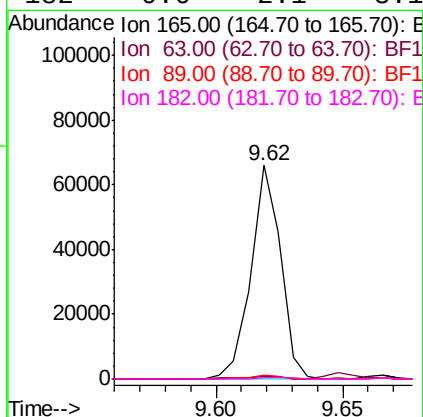
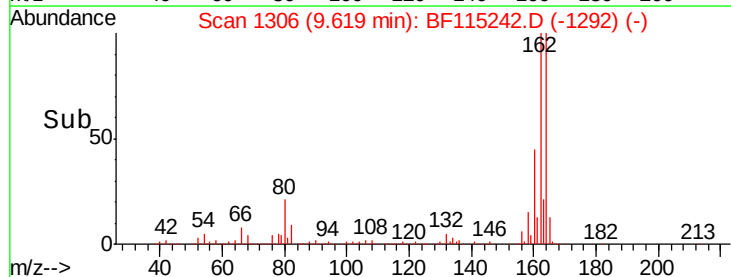
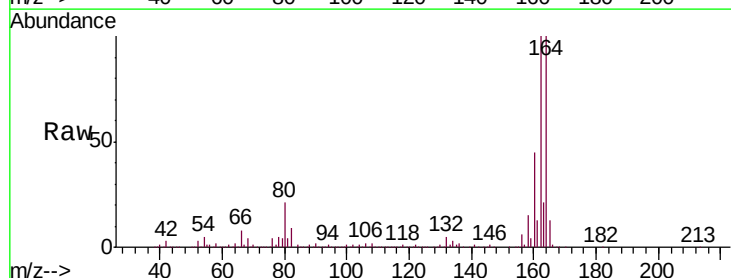
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

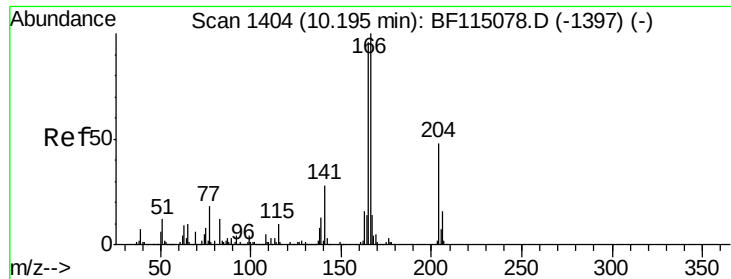
Tgt Ion	Ratio	Lower	Upper
139	100		
109	40.7	43.0	83.0#
65	0.0	67.0	107.0#



#57
2,4-Dinitrotoluene
Concen: 6.119 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.22 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.5	41.3#
89	1.6	49.9	74.9#
182	0.6	2.1	3.1#

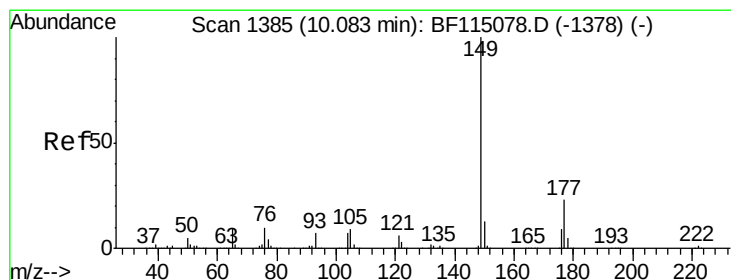
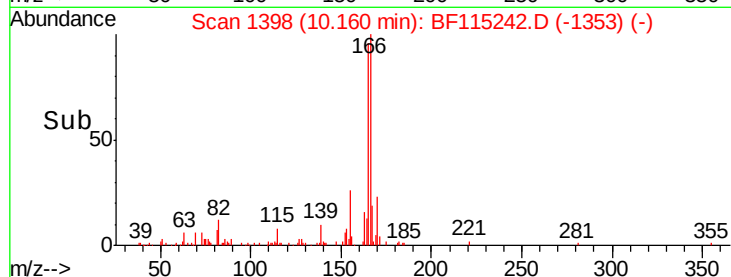
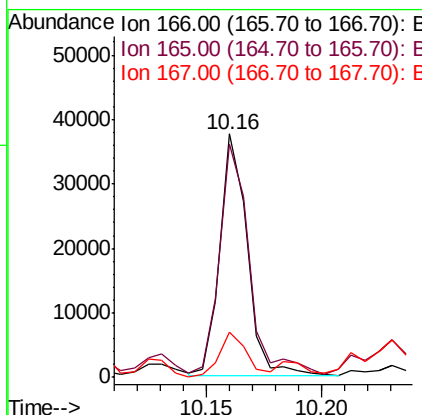
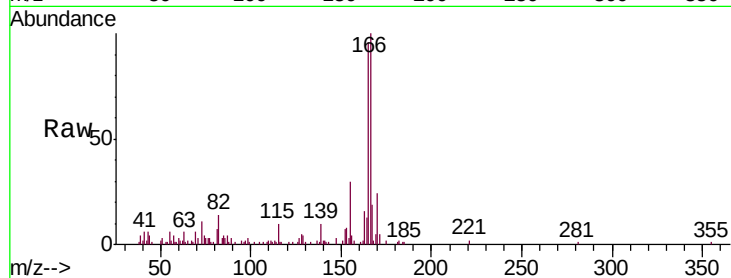




#58
 Fluorene
 Concen: Below Cal
 RT: 10.16 min Scan# 1398
 Delta R.T. -0.04 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

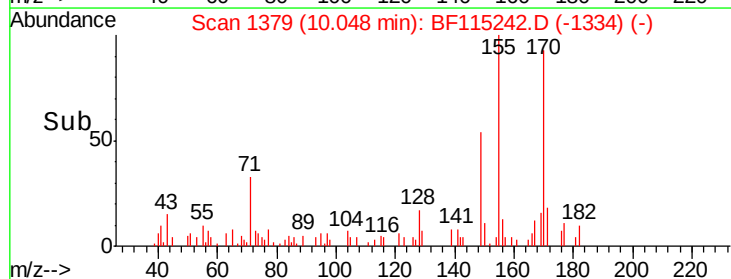
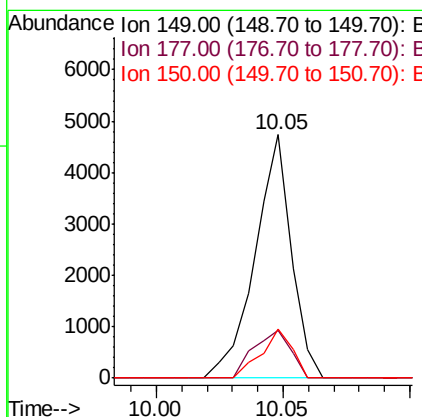
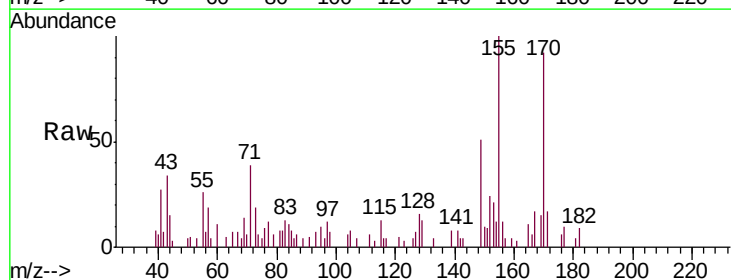
Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

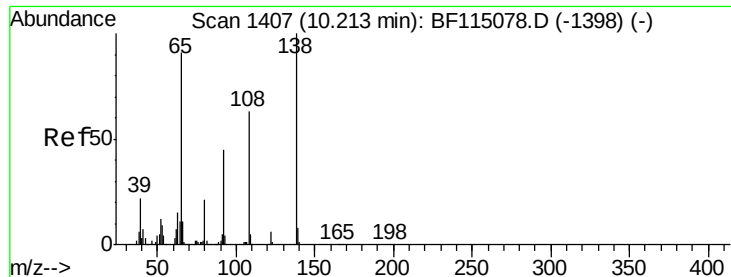
Tgt Ion:166 Resp: 30522
 Ion Ratio Lower Upper
 166 100
 165 96.0 76.5 114.7
 167 18.6 11.0 16.4#



#60
 Diethylphthalate
 Concen: 0.160 ng
 RT: 10.05 min Scan# 1379
 Delta R.T. -0.04 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion:149 Resp: 4747
 Ion Ratio Lower Upper
 149 100
 177 19.9 18.7 28.1
 150 20.1 10.4 15.6#

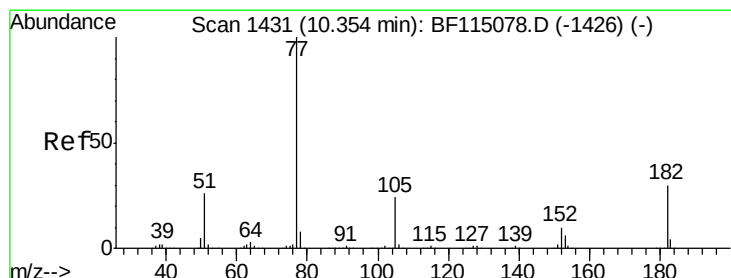
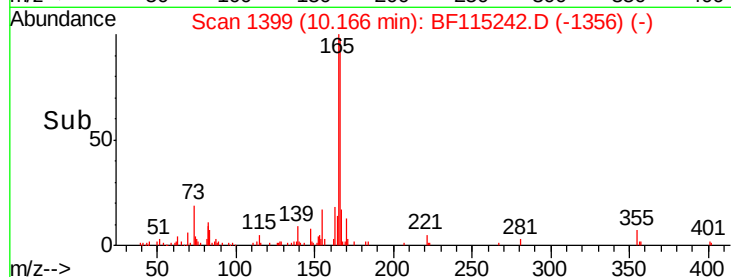
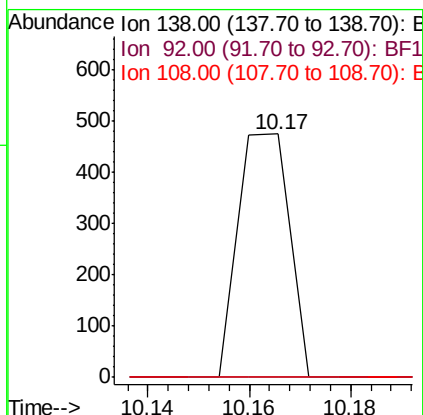
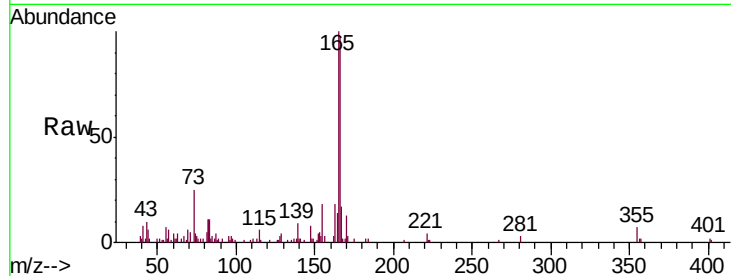




#62
4-Nitroaniline
Concen: 0.040 ng
RT: 10.17 min Scan# 1399
Delta R.T. -0.05 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

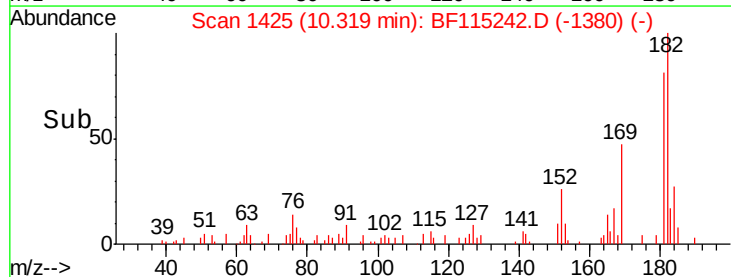
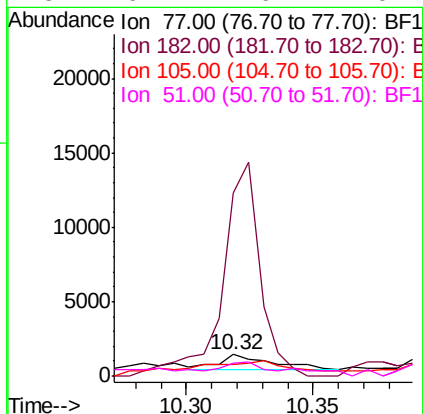
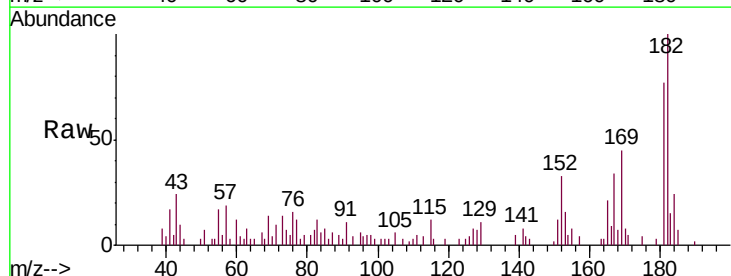
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

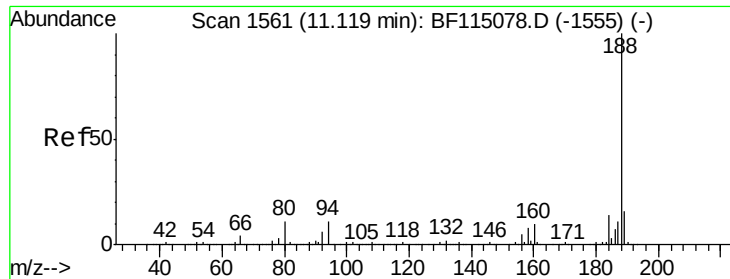
Tgt Ion: 138 Resp: 334
Ion Ratio Lower Upper
138 100
92 0.0 24.8 64.8#
108 0.0 43.3 83.3#



#63
Azobenzene
Concen: 0.052 ng
RT: 10.32 min Scan# 1425
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion: 77 Resp: 1454
Ion Ratio Lower Upper
77 100
182 845.0 10.1 50.1#
105 54.1 4.5 44.5#
51 61.2 6.4 46.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

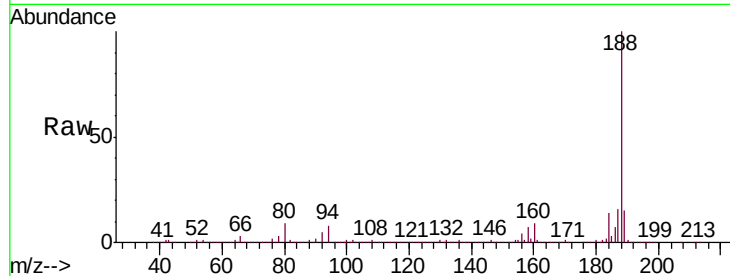
Tgt Ion:188 Resp: 812338

Ion Ratio Lower Upper

188 100

94 8.3 8.6 12.8#

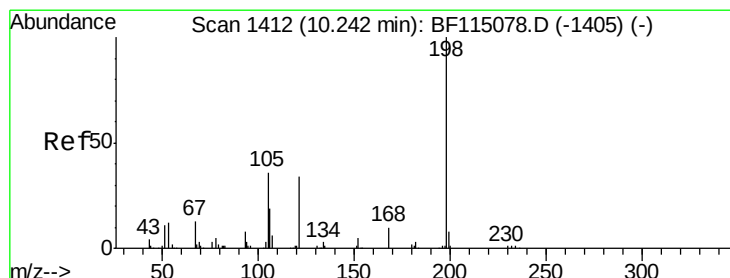
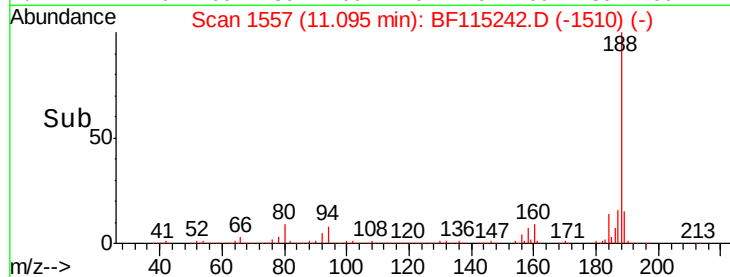
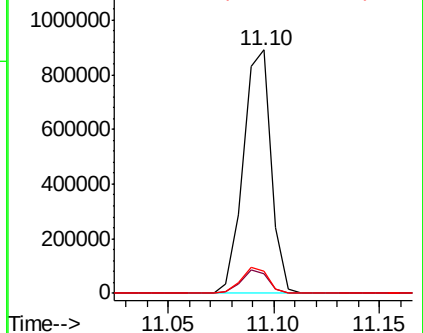
80 8.9 8.8 13.2



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: 5.178 ng

RT: 10.40 min Scan# 1439

Delta R.T. 0.16 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

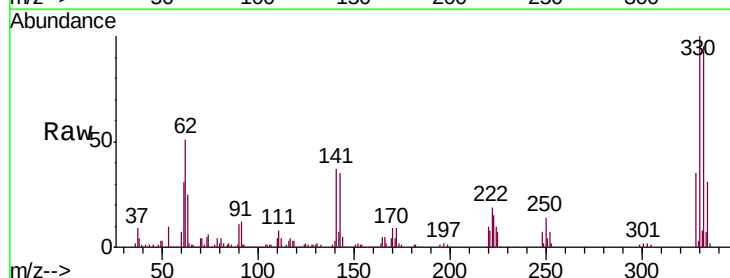
Tgt Ion:198 Resp: 1051

Ion Ratio Lower Upper

198 100

51 197.6 11.0 51.0#

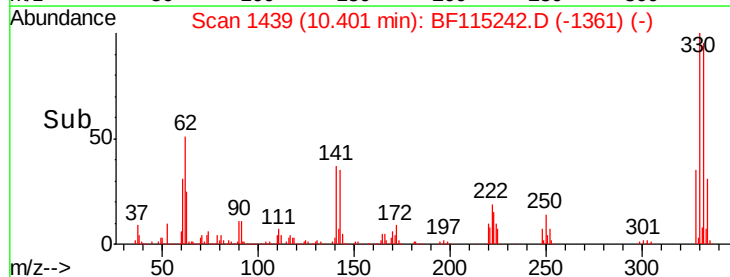
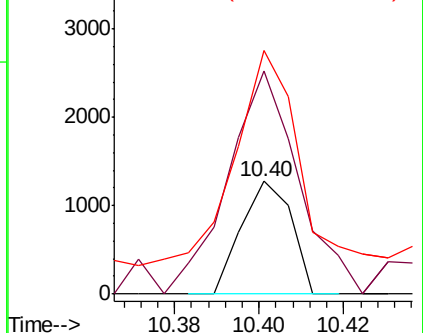
105 216.2 17.3 57.3#

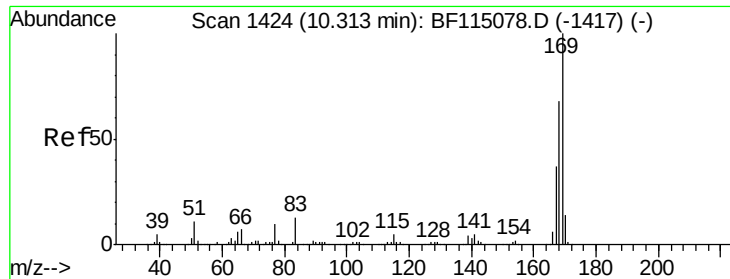


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

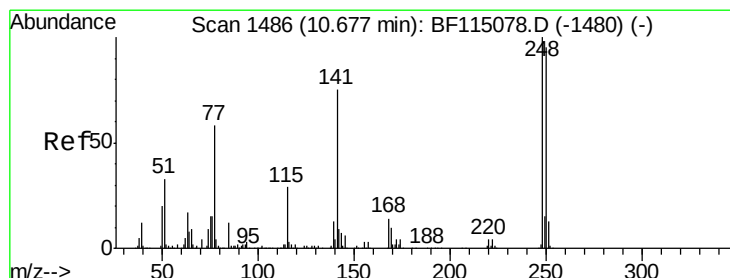
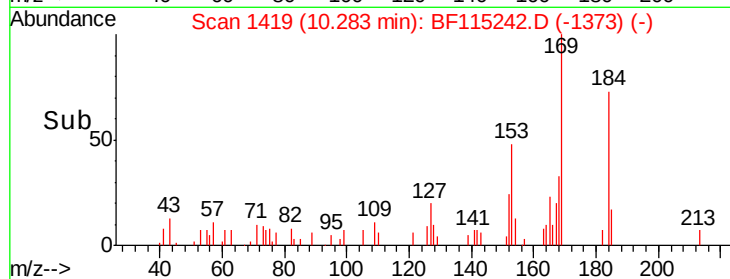
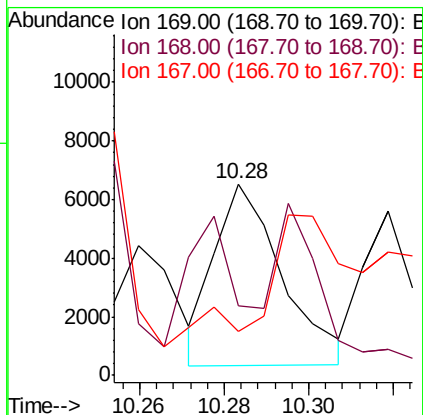
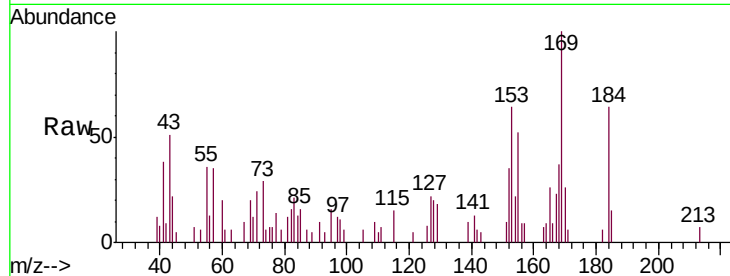




#66
 n-Nitrosodiphenylamine
 Concen: 0.272 ng
 RT: 10.28 min Scan# 1419
 Delta R.T. -0.03 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

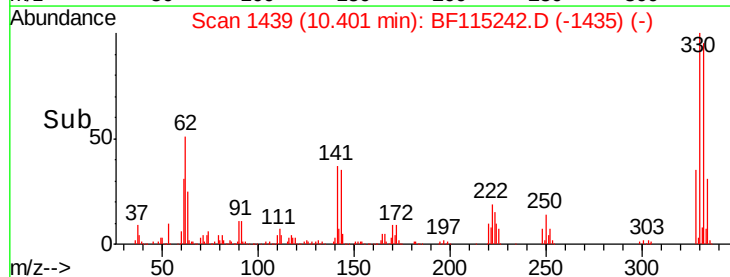
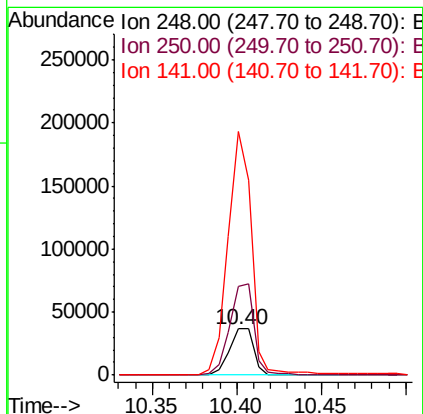
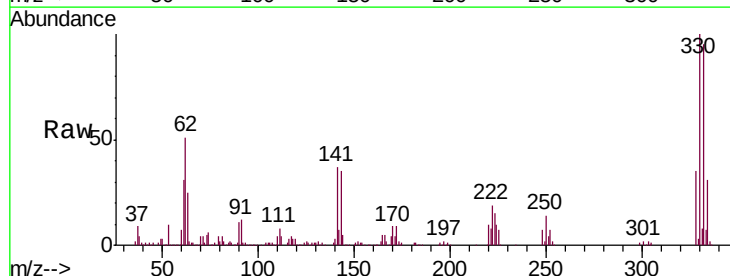
Instrument :
 BNA_F
 ClientSampled :
 CP-S4-SOIL

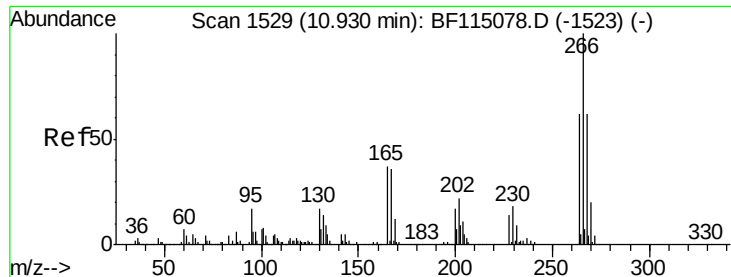
Tgt Ion:169 Resp: 6889
 Ion Ratio Lower Upper
 169 100
 168 36.6 54.2 81.4#
 167 22.8 29.4 44.0#



#67
 4-Bromophenyl-phenylether
 Concen: 4.190 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. -0.28 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion:248 Resp: 36907
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.2 114.2#
 141 525.7 59.6 89.4#

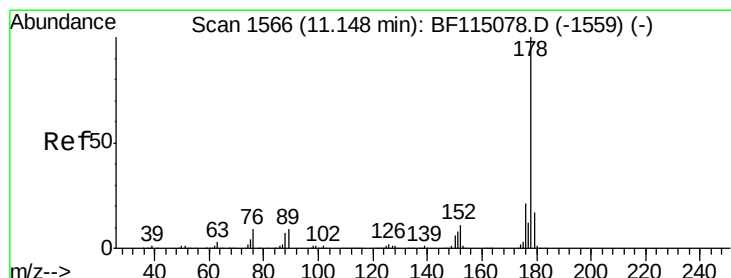
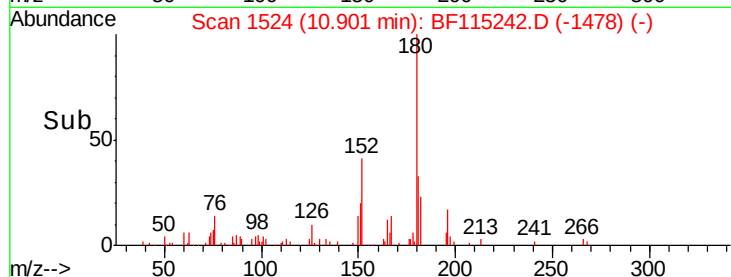
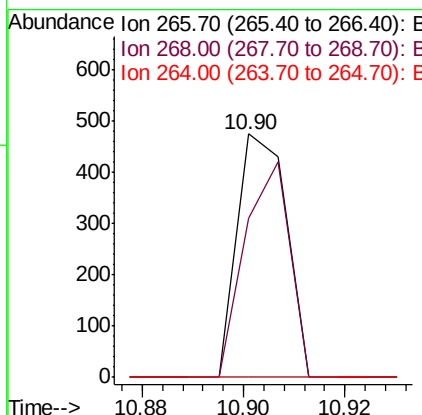
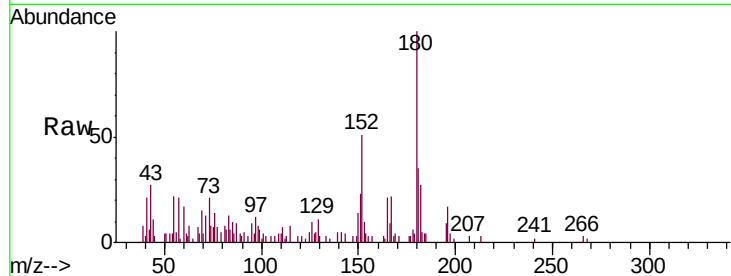




#70
 Pentachlorophenol
 Concen: 0.052 ng
 RT: 10.90 min Scan# 1524
 Delta R.T. -0.03 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

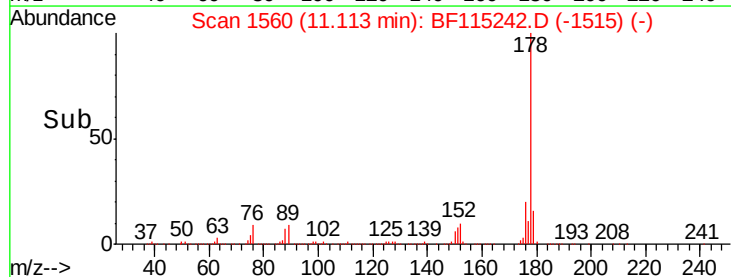
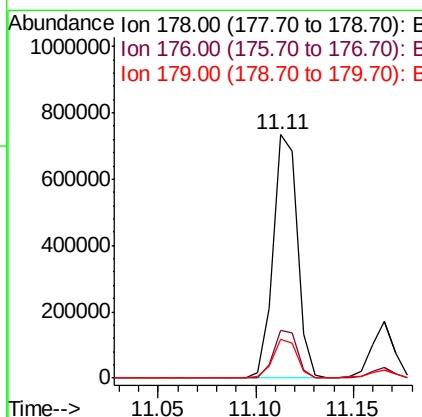
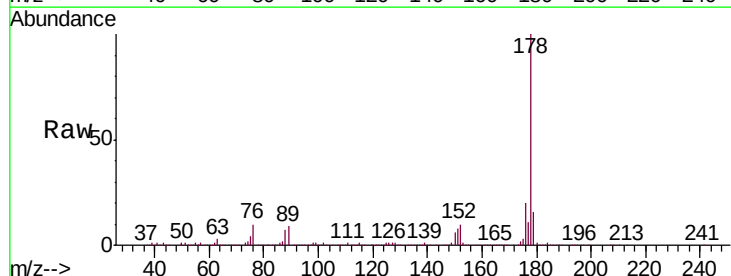
Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

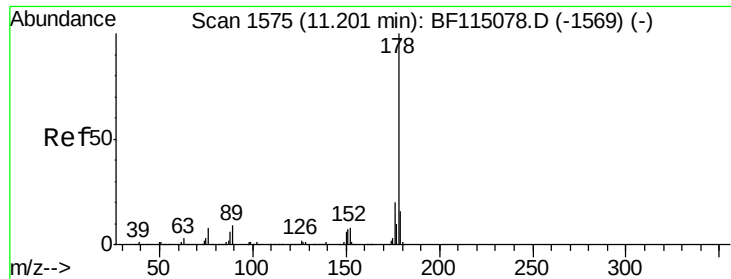
Tgt Ion: 266 Resp: 319
 Ion Ratio Lower Upper
 266 100
 268 65.2 49.5 74.3
 264 0.0 49.3 73.9#



#71
 Phenanthrene
 Concen: 14.499 ng
 RT: 11.11 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion: 178 Resp: 634140
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.9 25.3
 179 16.1 13.2 19.8





#72

Anthracene

Concen: 2.980 ng

RT: 11.17 min Scan# 1569

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

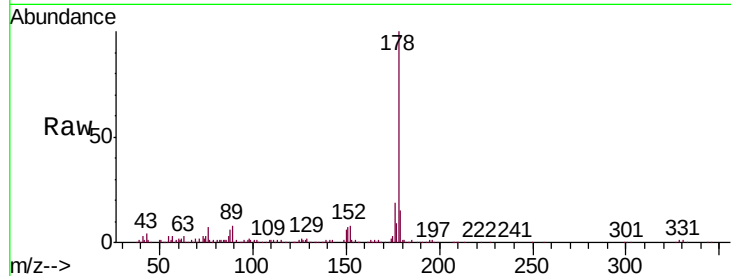
Tgt Ion:178 Resp: 131573

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

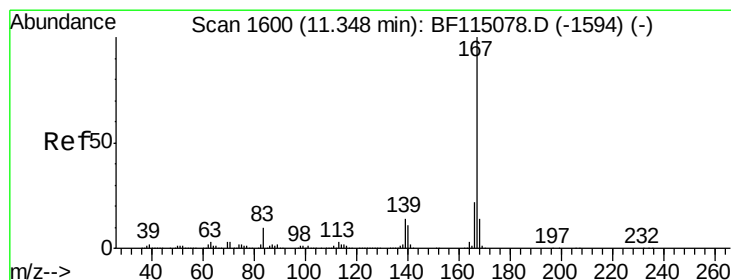
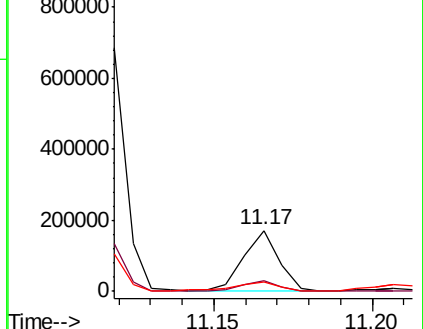
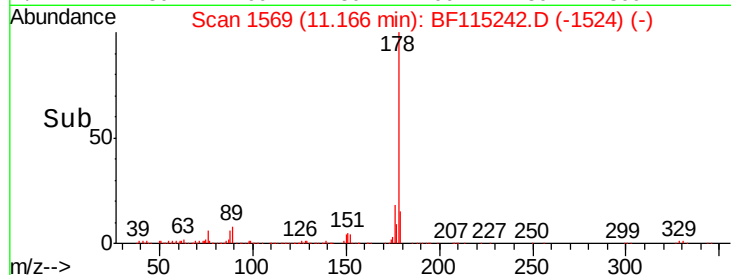
179 15.3 12.9 19.3



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: 0.492 ng

RT: 11.32 min Scan# 1595

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

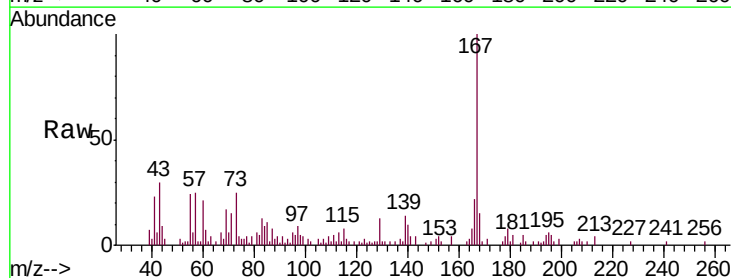
Tgt Ion:167 Resp: 19409

Ion Ratio Lower Upper

167 100

166 22.3 18.0 27.0

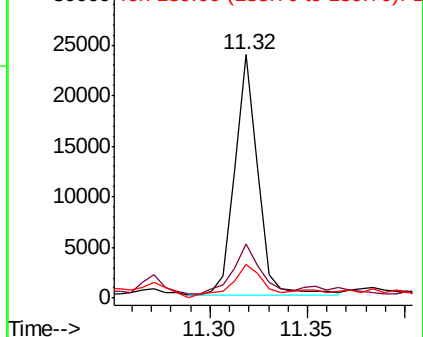
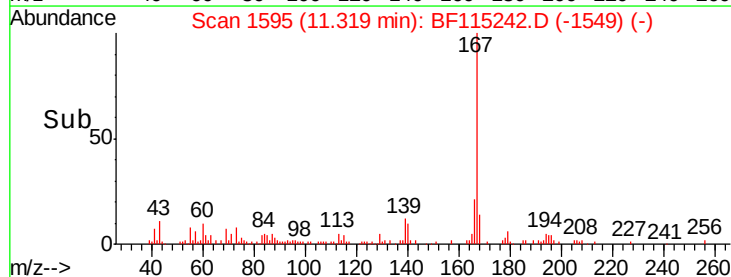
139 14.0 11.1 16.7

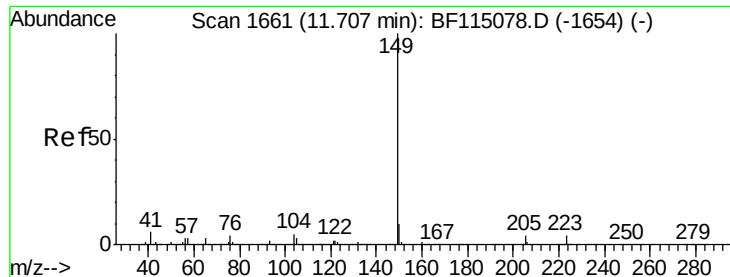


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 1.361 ng

RT: 11.67 min Scan# 1655

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

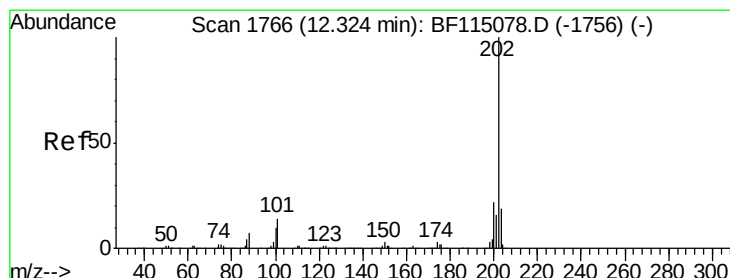
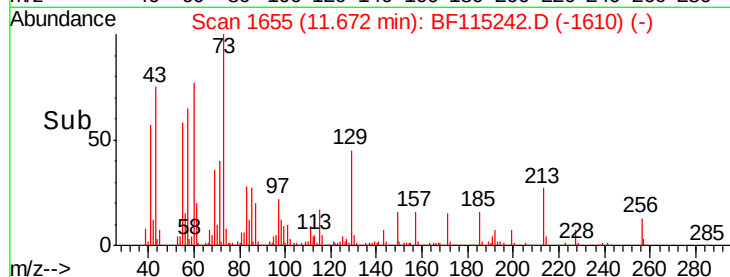
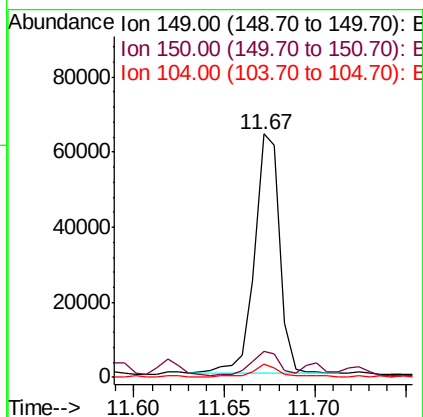
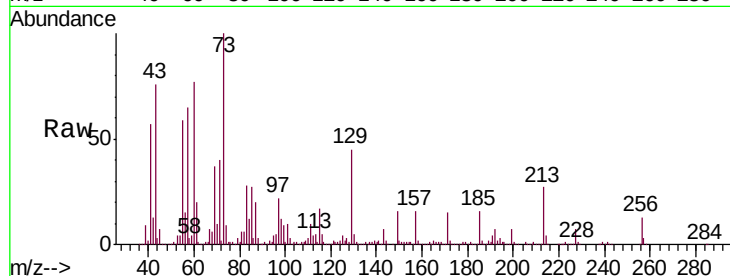
Tgt Ion:149 Resp: 61991

Ion Ratio Lower Upper

149 100

150 10.9 7.8 11.8

104 5.2 3.7 5.5



#75

Fluoranthene

Concen: 18.164 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

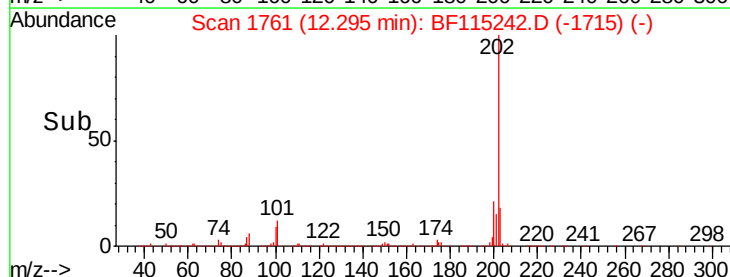
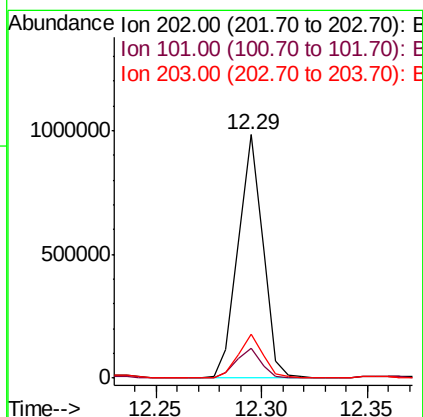
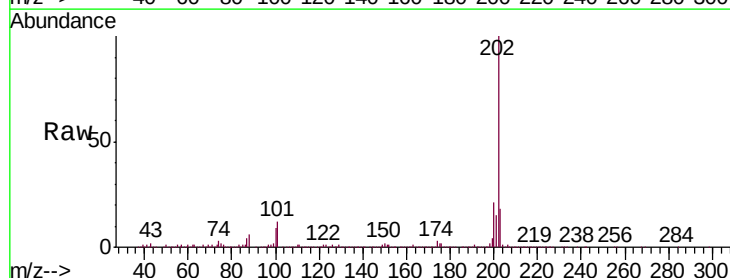
Tgt Ion:202 Resp: 792673

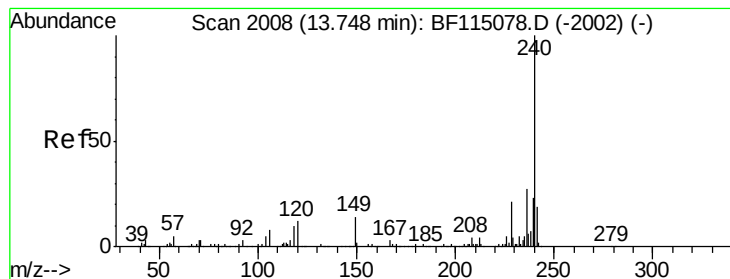
Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.0

203 18.0 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampled :

CP-S4-SOIL

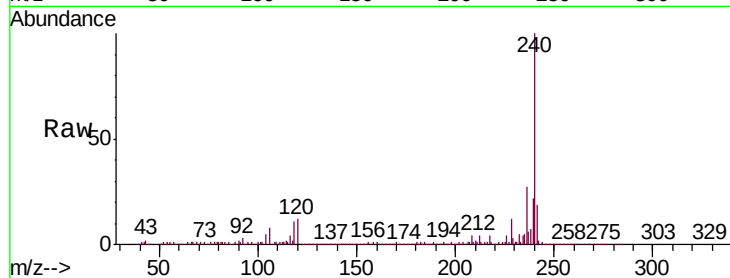
Tgt Ion:240 Resp: 683797

Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

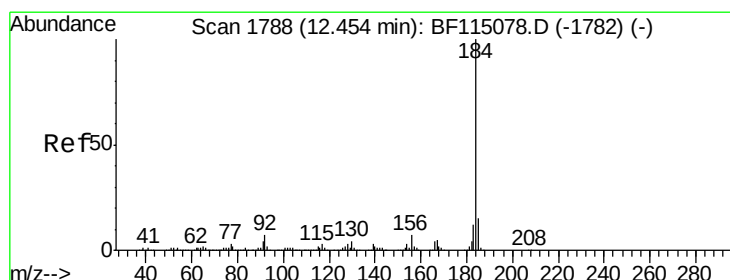
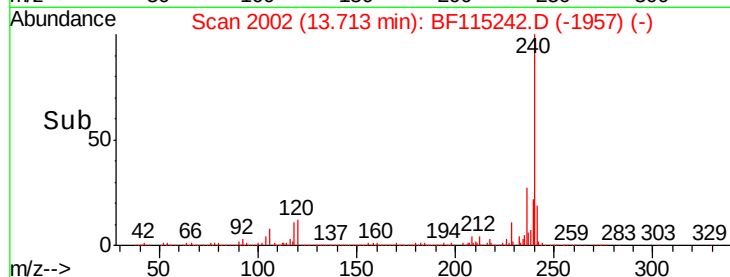
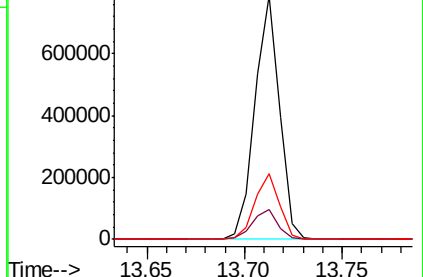
236 27.0 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 0.033 ng

RT: 12.40 min Scan# 1779

Delta R.T. -0.05 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

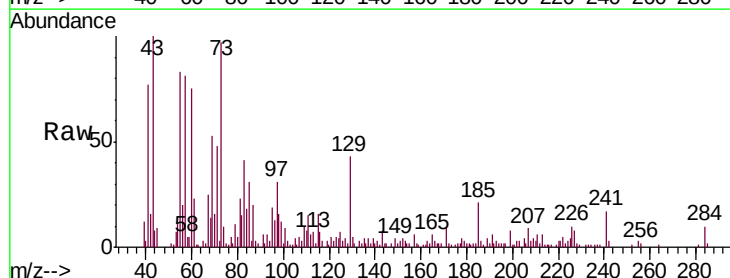
Tgt Ion:184 Resp: 994

Ion Ratio Lower Upper

184 100

185 1351.0 12.2 18.2#

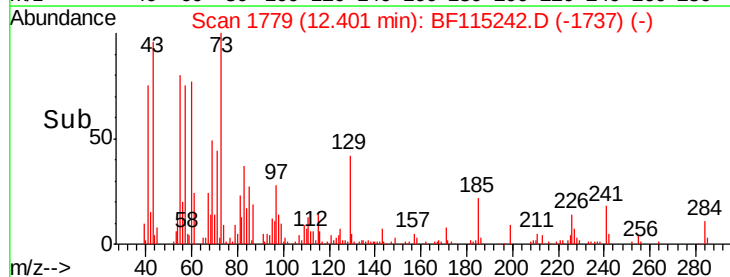
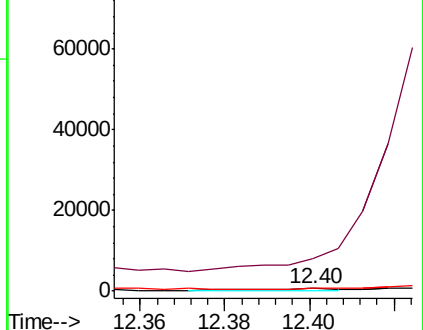
183 104.2 9.6 14.4#

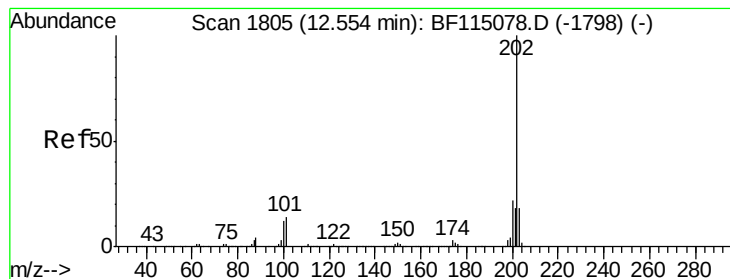


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pyrene

Concen: 19.098 ng

RT: 12.52 min Scan# 1799

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampled :

CP-S4-SOIL

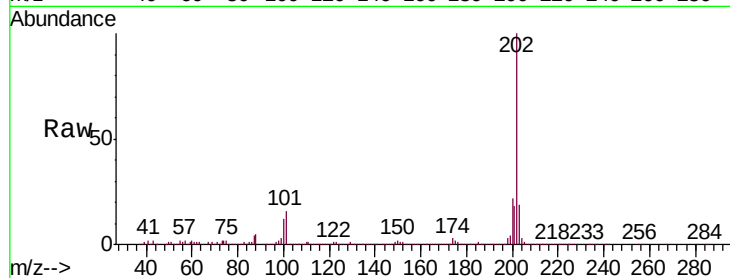
Tgt Ion:202 Resp: 1003588

Ion Ratio Lower Upper

202 100

200 21.8 17.9 26.9

203 19.3 14.6 21.8

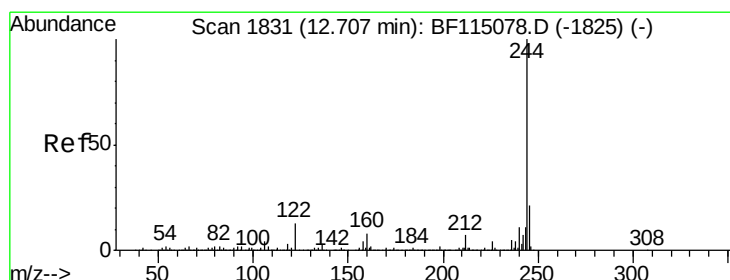
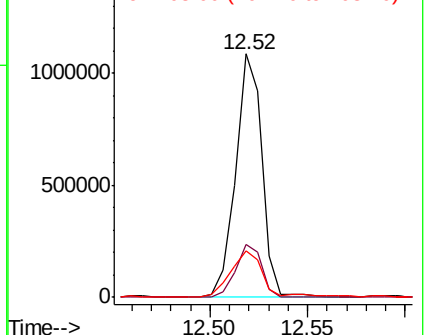
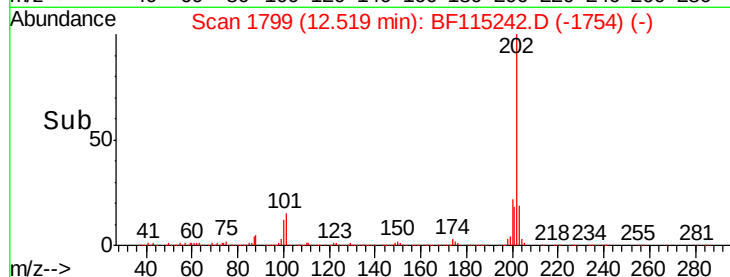


Abundance

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: 74.734 ng

RT: 12.68 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

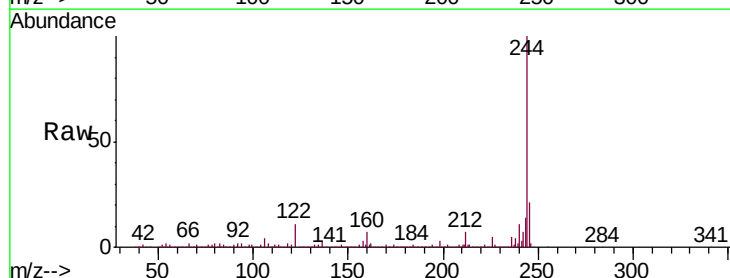
Tgt Ion:244 Resp: 2403550

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 11.2 10.4 15.6

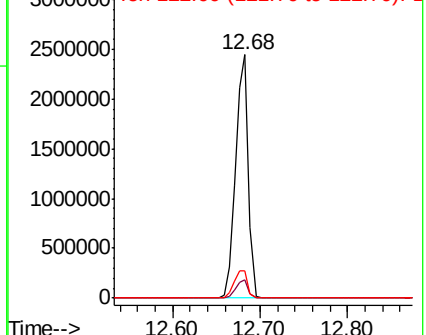
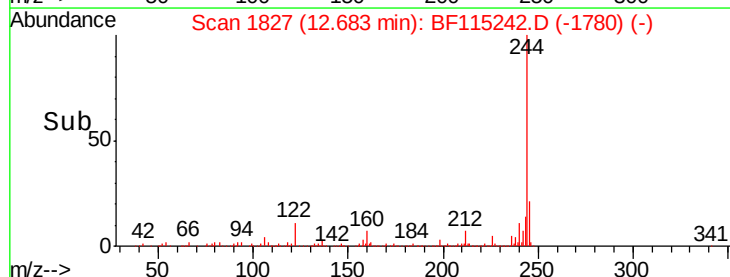


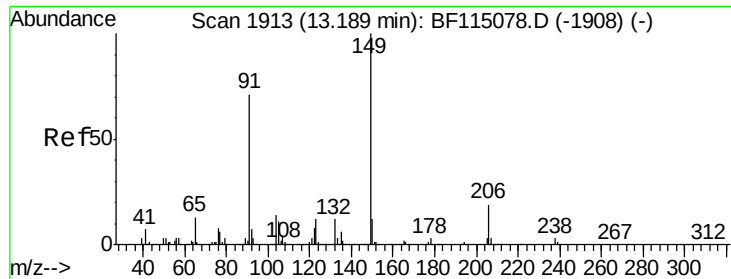
Abundance

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

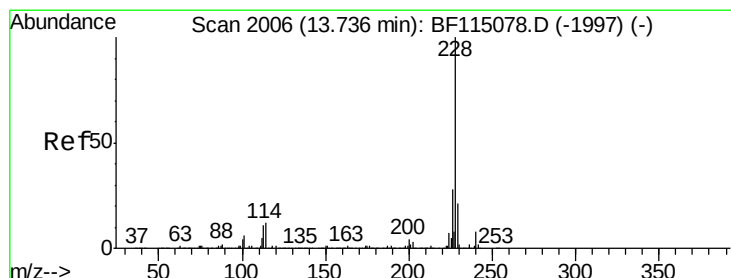
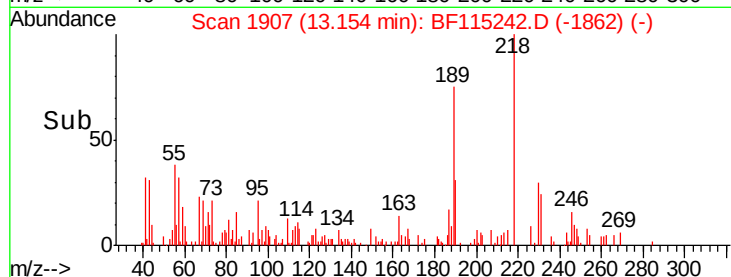
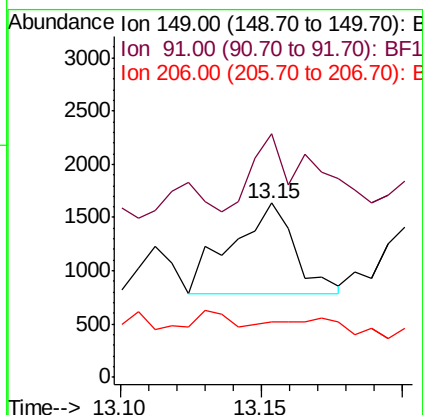
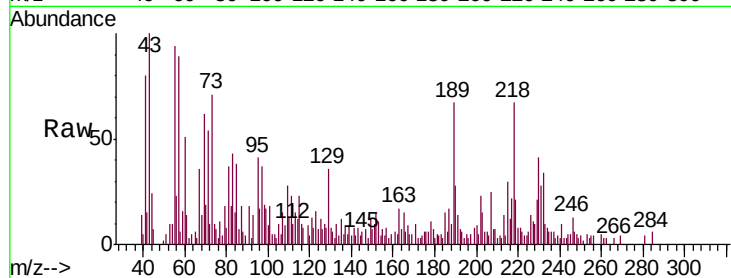




#80
Butylbenzylphthalate
Concen: 0.056 ng
RT: 13.15 min Scan# 1907
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

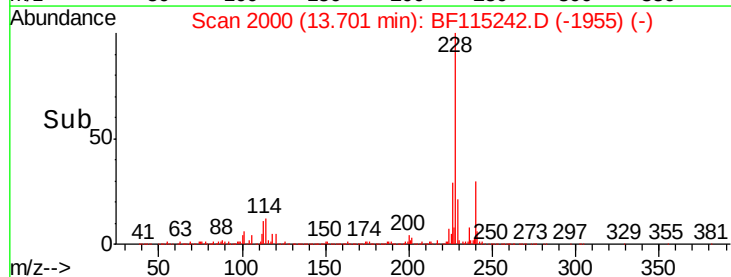
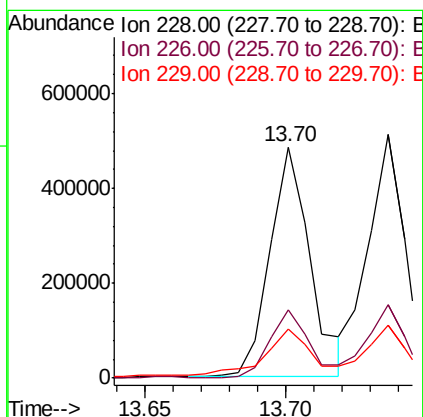
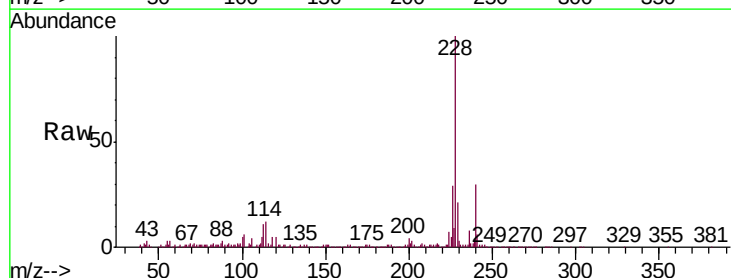
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

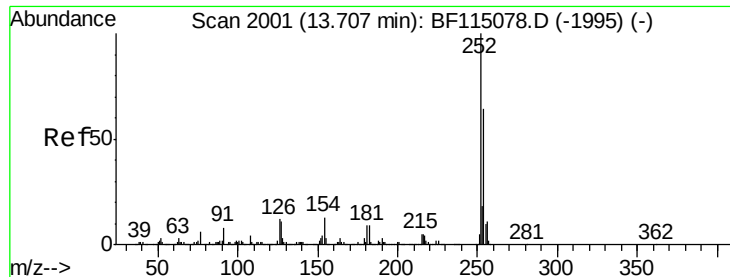
Tgt Ion:149 Resp: 1306
Ion Ratio Lower Upper
149 100
91 140.1 56.5 84.7#
206 32.0 15.3 22.9#



#81
Benzo(a)anthracene
Concen: 9.794 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:228 Resp: 480554
Ion Ratio Lower Upper
228 100
226 29.3 22.5 33.7
229 21.4 16.6 24.8

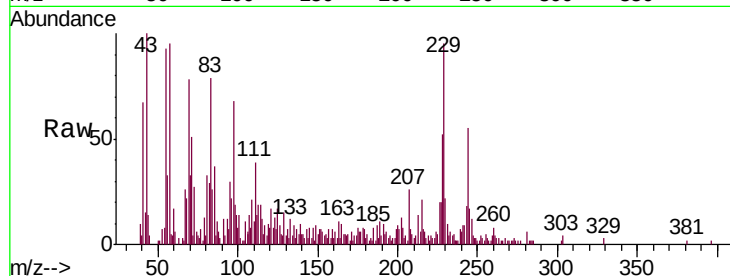




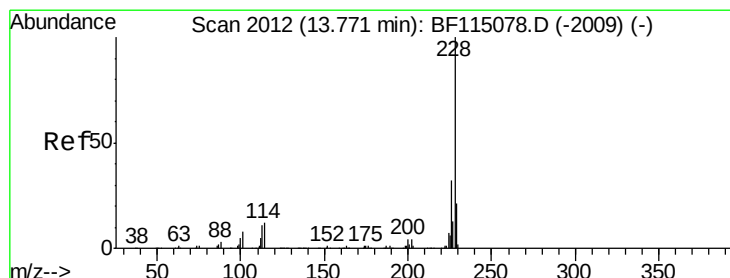
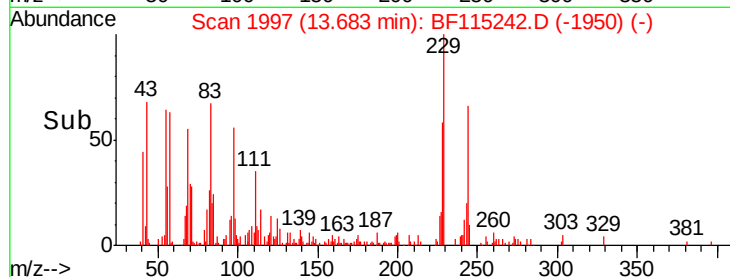
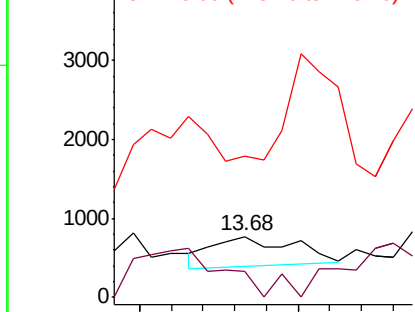
#82
 3,3'-Dichlorobenzidine
 Concen: 0.038 ng
 RT: 13.68 min Scan# 1997
 Delta R.T. -0.02 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

Tgt Ion: 252 Resp: 671
 Ion Ratio Lower Upper
 252 100
 254 43.4 51.1 76.7#
 126 232.5 9.4 14.0#

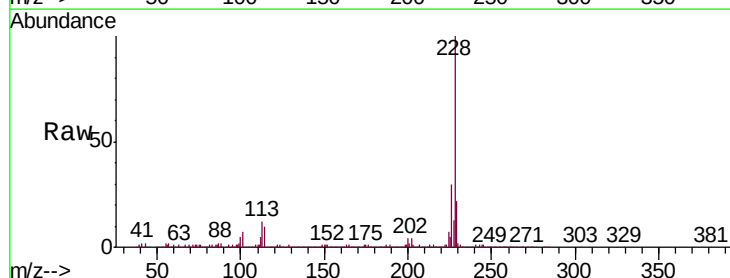


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

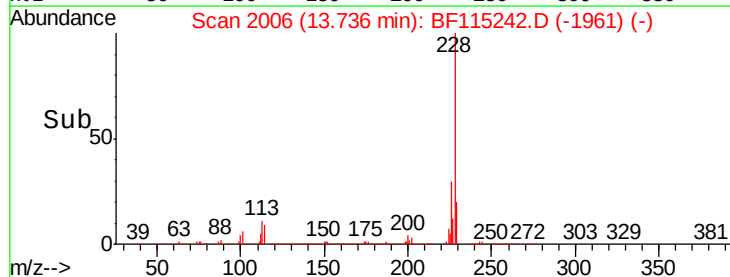
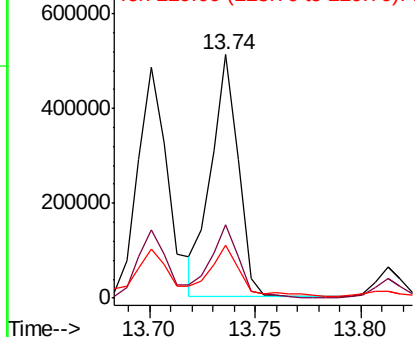


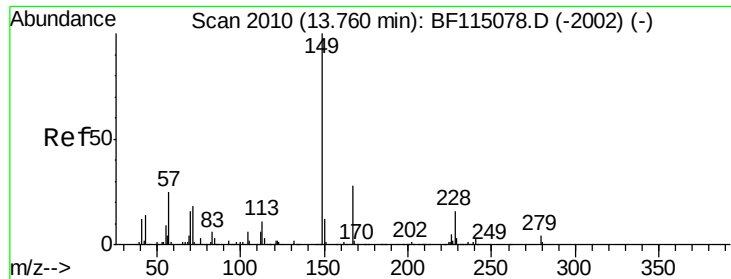
#83
 Chrysene
 Concen: 10.231 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. -0.04 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion: 228 Resp: 459817
 Ion Ratio Lower Upper
 228 100
 226 30.1 25.4 38.0
 229 22.0 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.350 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

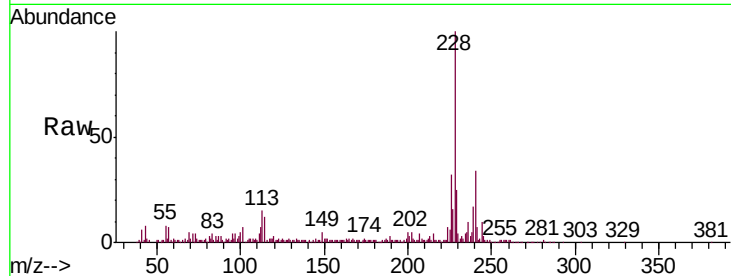
Tgt Ion:149 Resp: 10629

Ion Ratio Lower Upper

149 100

167 30.9 22.2 33.4

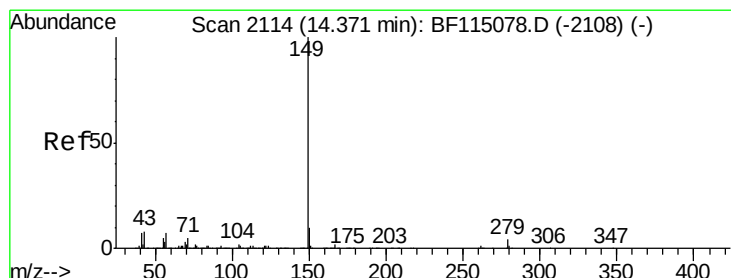
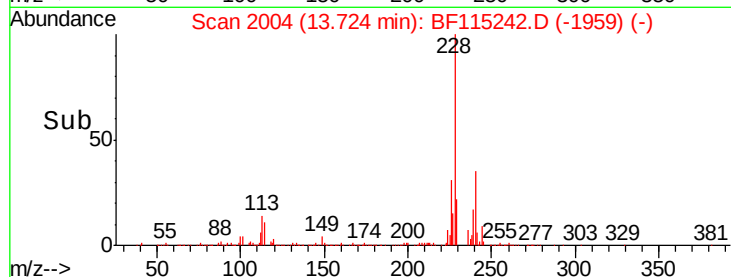
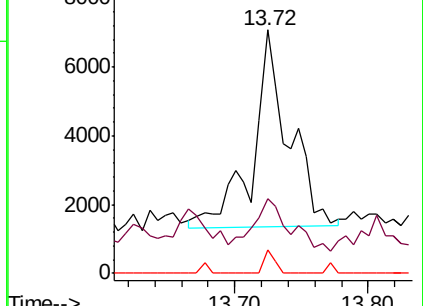
279 9.7 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.019 ng

RT: 14.33 min Scan# 2107

Delta R.T. -0.04 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

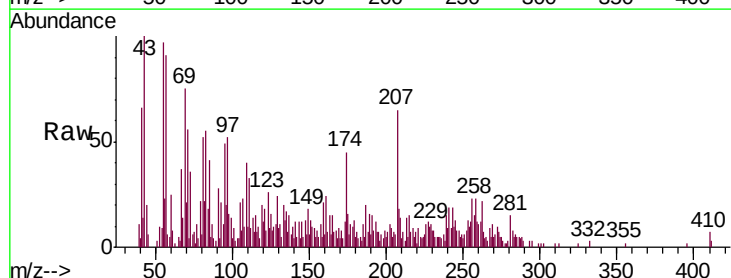
Tgt Ion:149 Resp: 966

Ion Ratio Lower Upper

149 100

167 34.8 1.2 1.8#

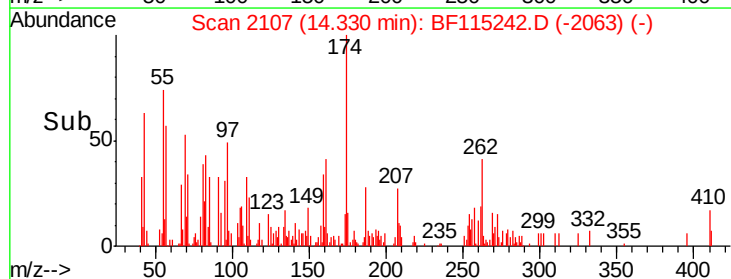
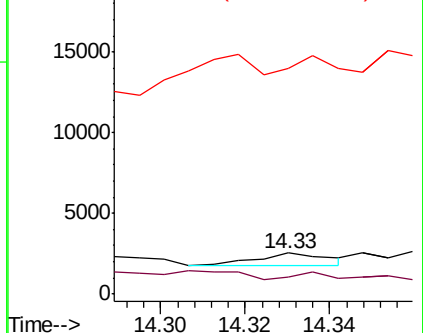
43 501.9 7.0 10.6#

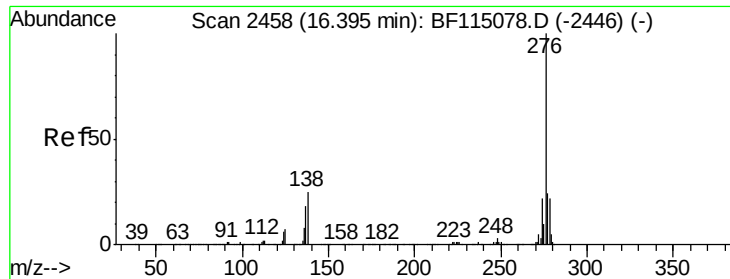


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

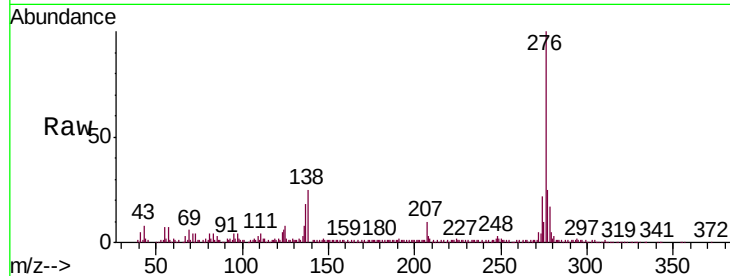




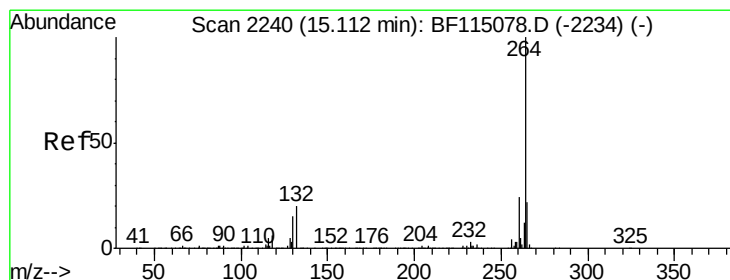
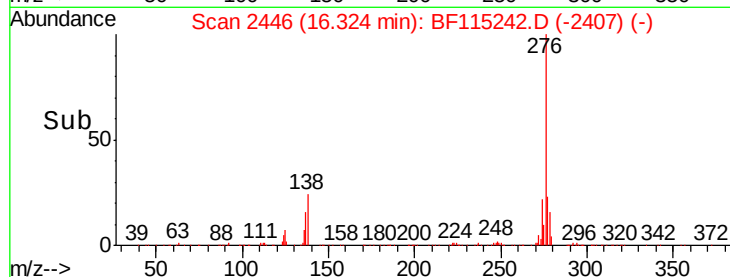
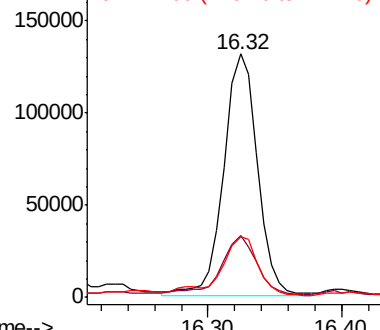
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.293 ng
 RT: 16.32 min Scan# 2446
 Delta R.T. -0.07 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

Tgt Ion:	276	Resp:	228336
Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.2	34.8
277	27.1	20.1	30.1

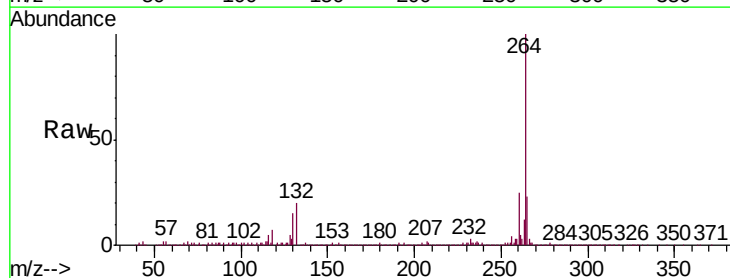


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

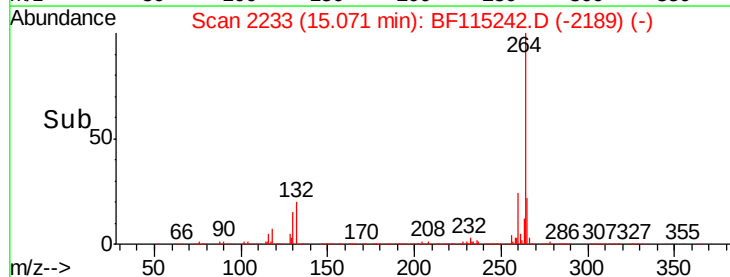
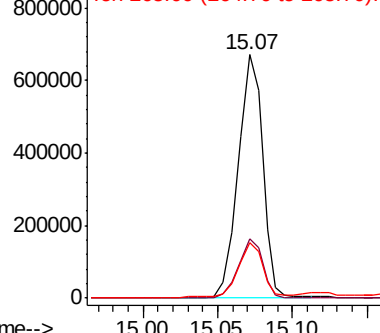


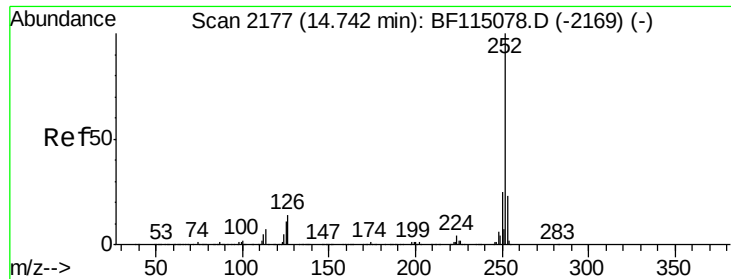
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. -0.04 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Tgt Ion:	264	Resp:	760493
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.5	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

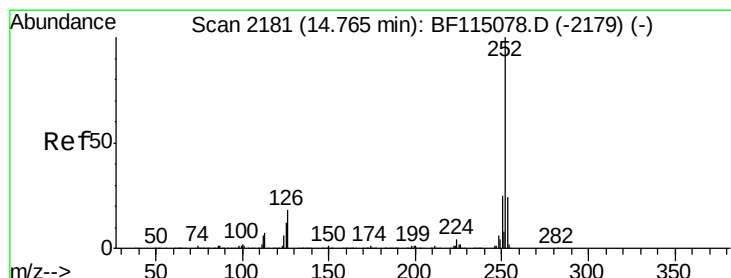
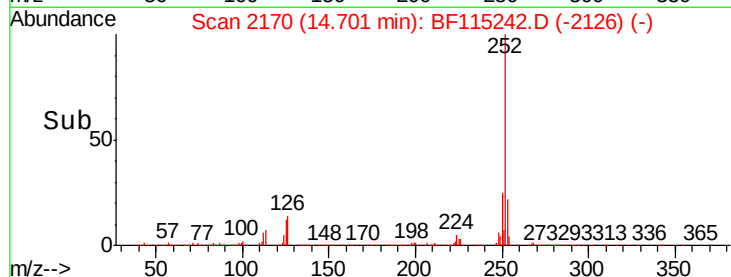
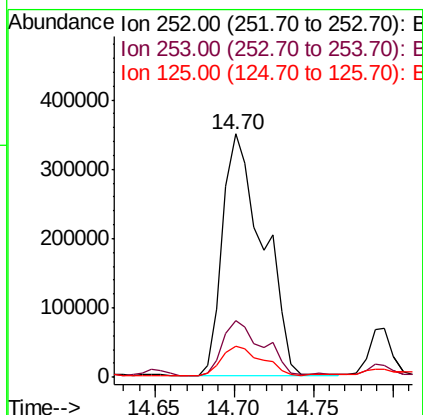
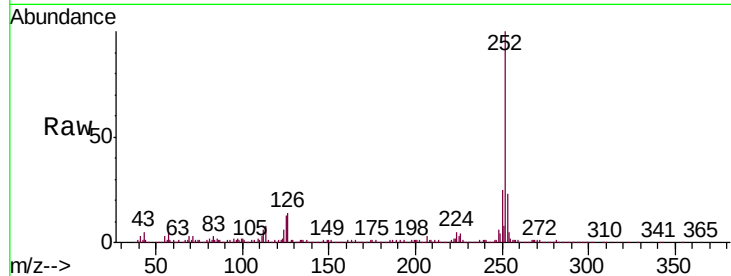




#88
Benzo(b)fluoranthene
Concen: 13.143 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

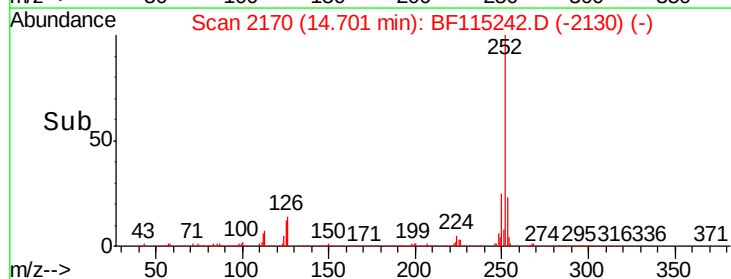
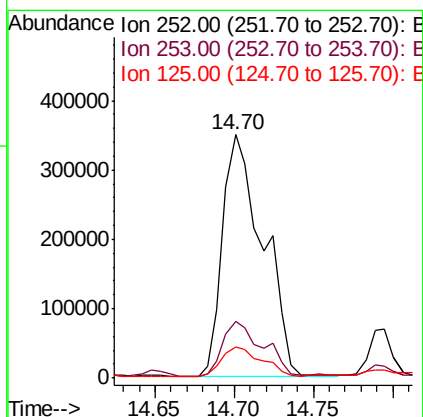
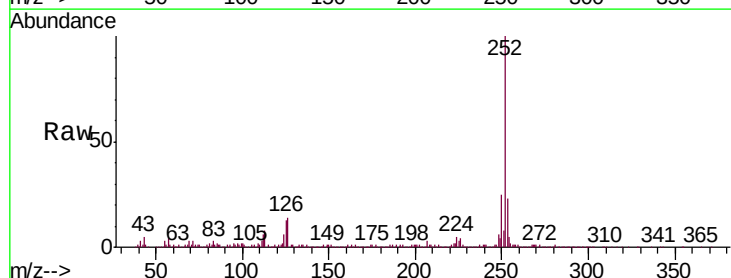
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

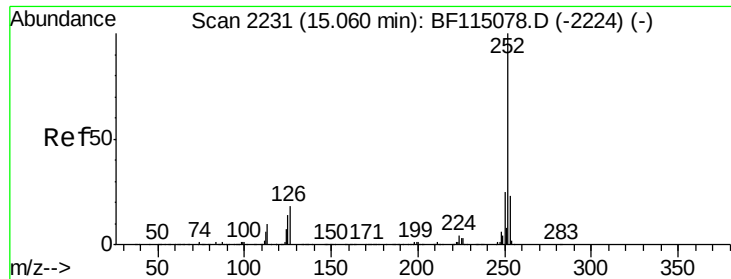
Tgt Ion:252 Resp: 623670
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 12.8 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 14.656 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.06 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion:252 Resp: 623670
Ion Ratio Lower Upper
252 100
253 23.1 18.9 28.3
125 12.8 10.2 15.2





#90

Benzo(a)pyrene

Concen: 8.997 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

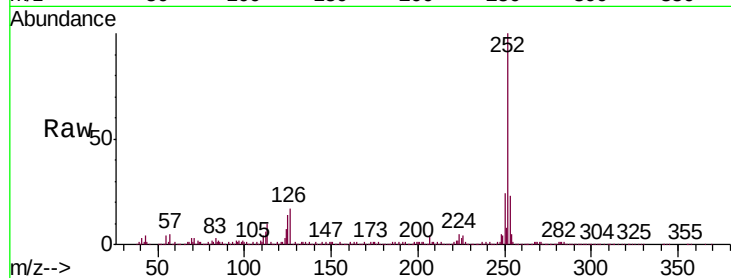
Tgt Ion:252 Resp: 384790

Ion Ratio Lower Upper

252 100

253 23.4 18.3 27.5

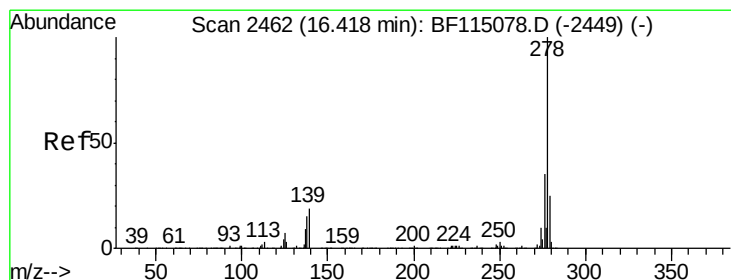
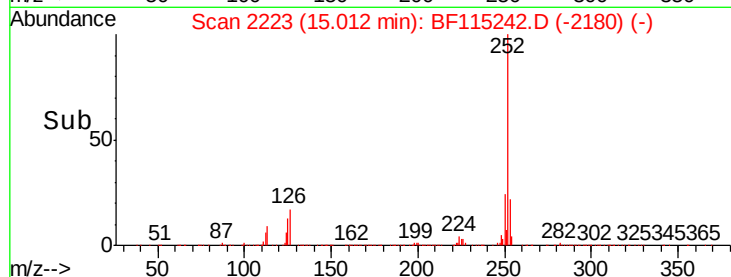
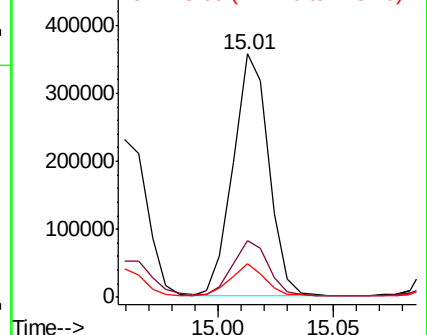
125 13.7 10.9 16.3



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



#91

Dibenzo(a,h)anthracene

Concen: 1.647 ng

RT: 16.34 min Scan# 2448

Delta R.T. -0.08 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

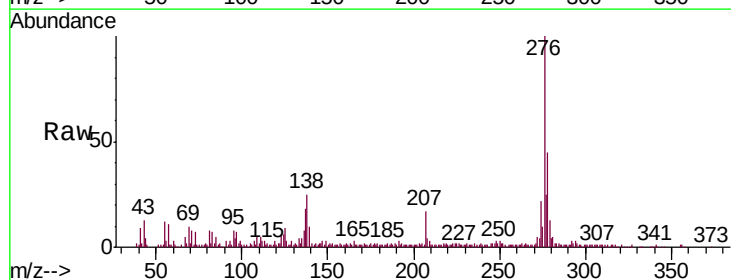
Tgt Ion:278 Resp: 65765

Ion Ratio Lower Upper

278 100

139 22.4 15.4 23.2

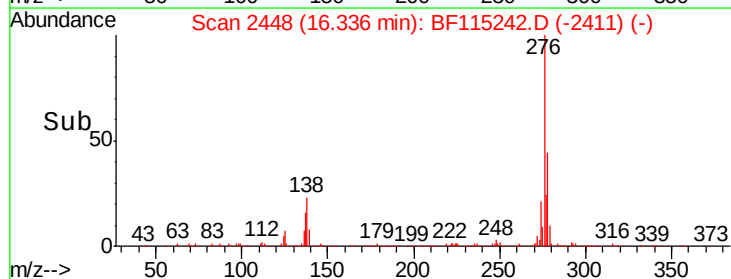
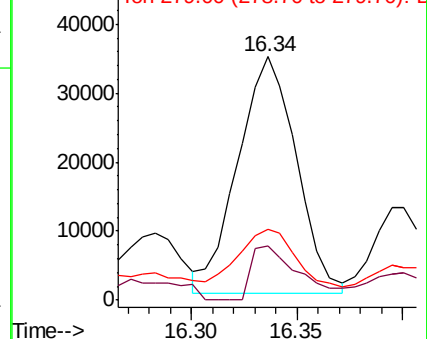
279 29.0 19.9 29.9

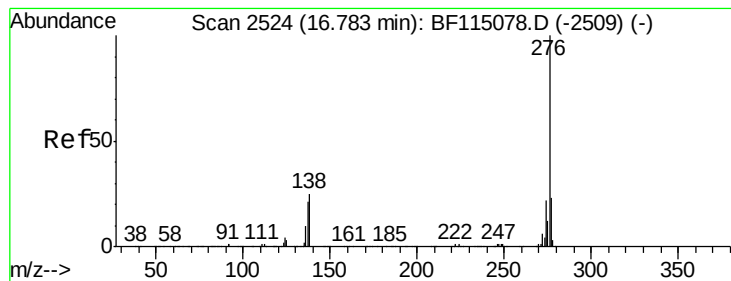


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.502 ng

RT: 16.70 min Scan# 2510

Delta R.T. -0.08 min

Lab File: BF115242.D

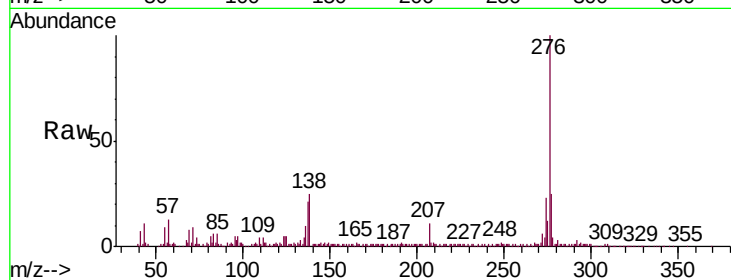
Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL



Tgt Ion:	276	Resp:	222337
Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	25.2	19.8	29.6

