

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062519\
 Data File : BF115206.D
 Acq On : 25 Jun 2019 23:45
 Operator : HP/JU
 Sample : K3518-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Quant Time: Jun 26 05:52:17 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	6.61	152	220068	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	720321	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	322110	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	643801	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	599290	20.00	ng	-0.02
87) Perylene-d12	15.09	264	617218	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1642263	115.16	ng	0.00
7) Phenol-d6	6.25	99	1967112	113.65	ng	0.00
23) Nitrobenzene-d5	7.17	82	1163808	99.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	500130	147.24	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2025630	106.82	ng	-0.02
79) Terphenyl-d14	12.69	244	2242433	79.56	ng	-0.01

Target Compounds

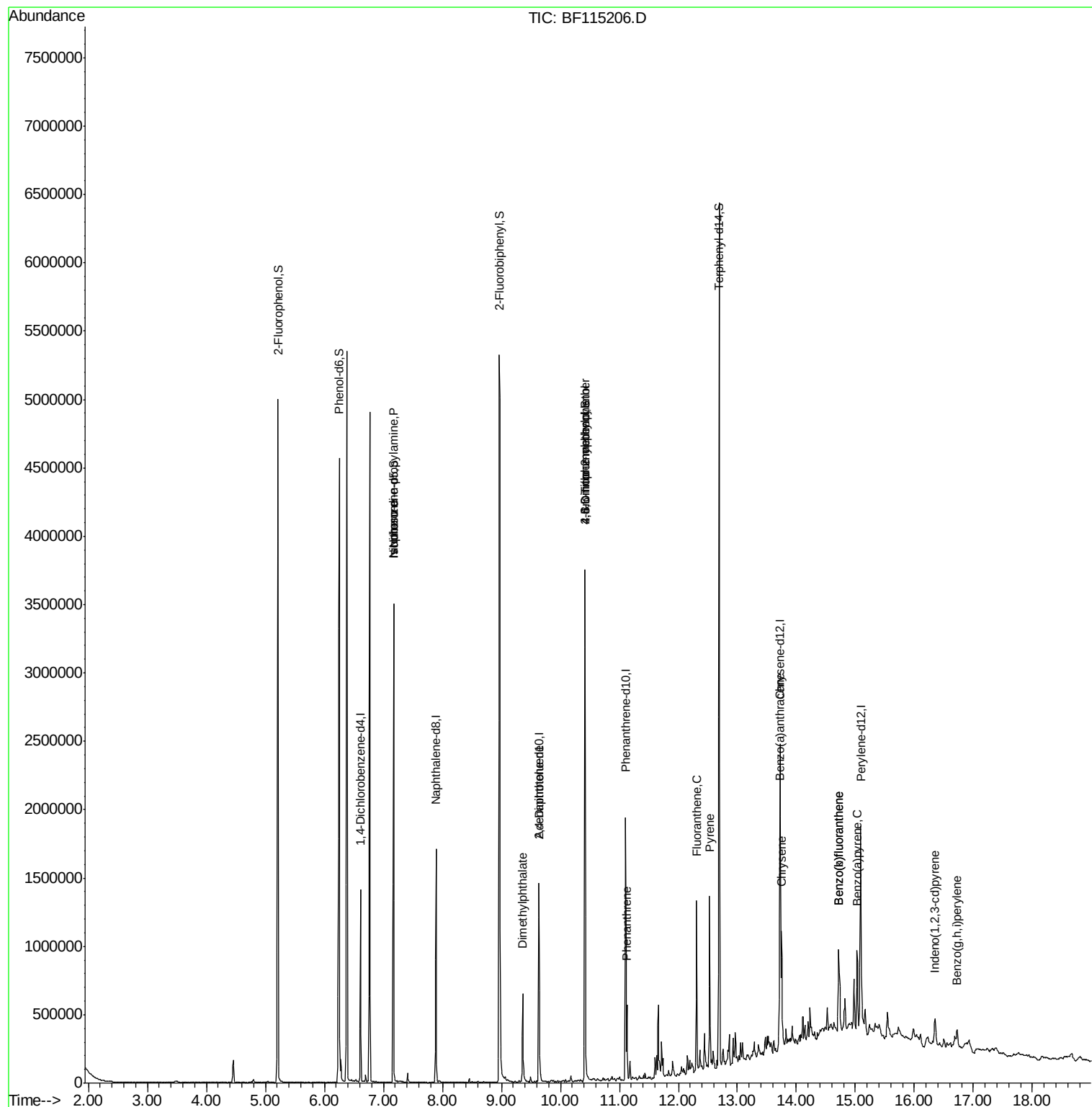
						Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	156238	14.099	ng	# 77
25) Isophorone	7.17	82	1144197	47.699	ng	# 63
50) Dimethylphthalate	9.36	163	304920	12.867	ng	98
57) 2,4-Dinitrotoluene	9.64	165	41476	5.871	ng	# 30
58) Fluorene	10.18	166	8293	Below Cal		96
65) 4,6-Dinitro-2-methylphenol	10.42	198	979	5.216	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	30894	4.426	ng	# 1
71) Phenanthrene	11.13	178	186703	5.386	ng	96
75) Fluoranthene	12.31	202	457513	13.229	ng	97
78) Pyrene	12.54	202	515098	11.184	ng	98
81) Benzo(a)anthracene	13.71	228	297164	6.911	ng	99
83) Chrysene	13.75	228	288581	7.326	ng	96
86) Indeno(1,2,3-cd)pyrene	16.35	276	125222	2.687	ng	93
88) Benzo(b)fluoranthene	14.71	252	436070	11.323	ng	98
89) Benzo(k)fluoranthene	14.71	252	436070	12.626	ng	98
90) Benzo(a)pyrene	15.03	252	251637	7.249	ng	99
92) Benzo(g,h,i)perylene	16.72	276	109175	3.329	ng	98

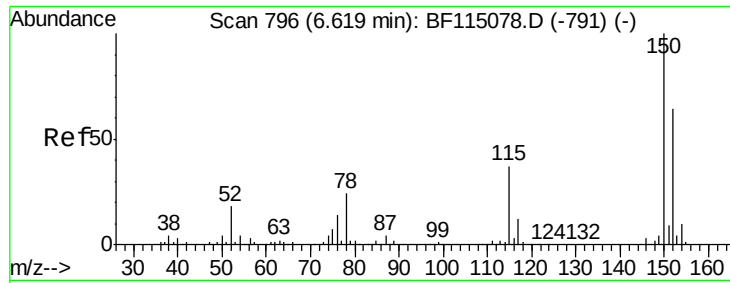
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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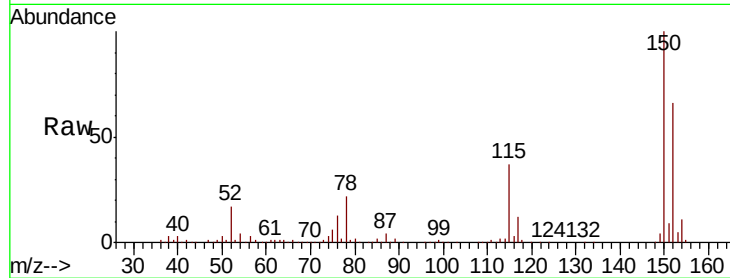


#1

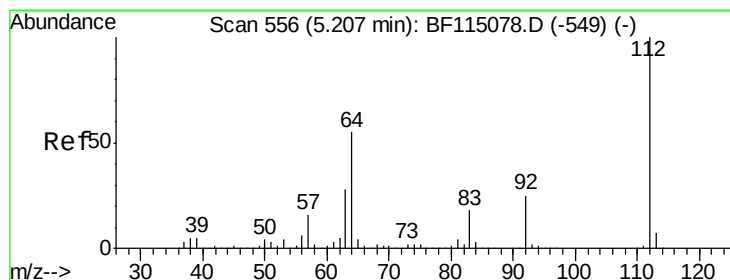
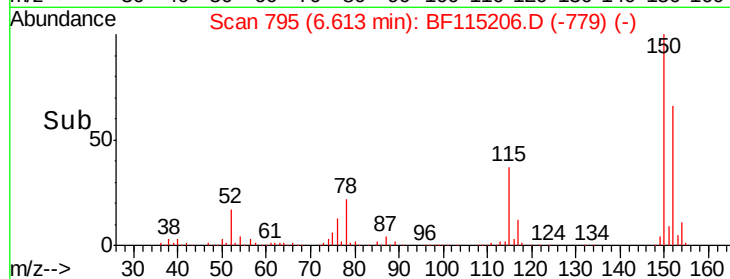
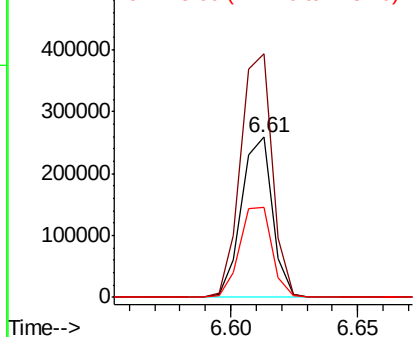
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tgt Ion:152 Resp: 220068
Ion Ratio Lower Upper
152 100
150 152.3 124.2 186.2
115 56.2 46.1 69.1



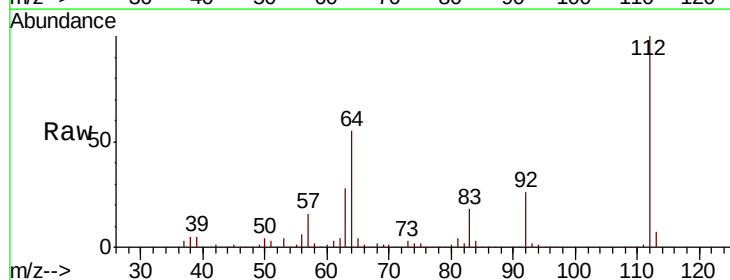
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



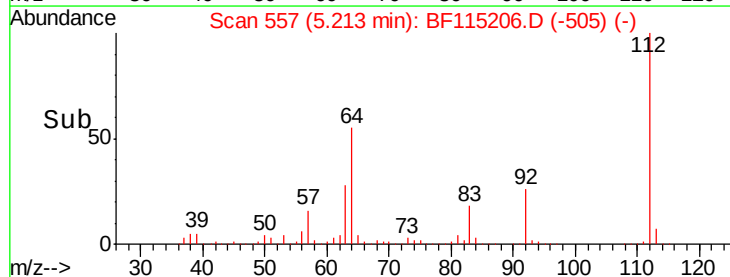
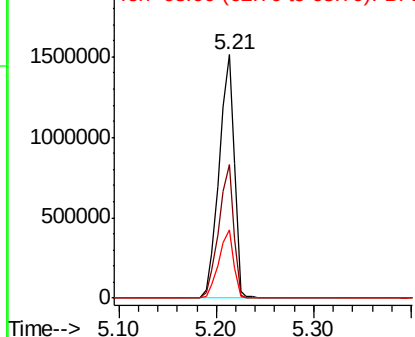
#5

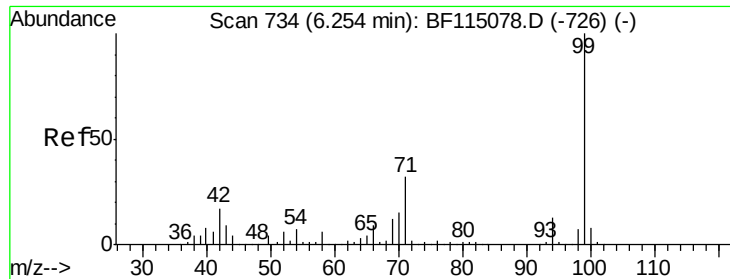
2-Fluorophenol
Concen: 115.159 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion:112 Resp: 1642263
Ion Ratio Lower Upper
112 100
64 54.9 43.8 65.6
63 28.1 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





#7

Phenol-d6

Concen: 113.646 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

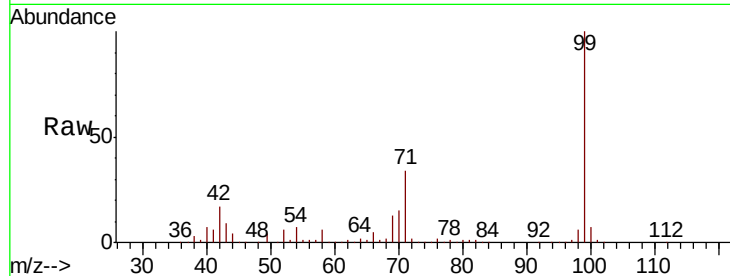
Tgt Ion: 99 Resp: 1967112

Ion Ratio Lower Upper

99 100

42 17.4 13.6 20.4

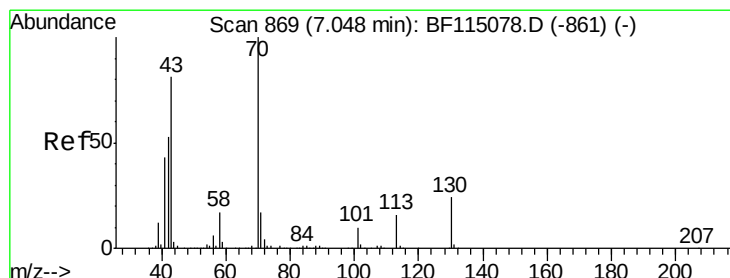
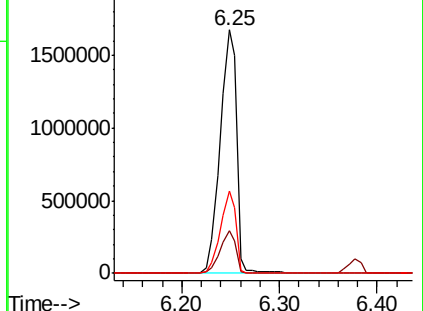
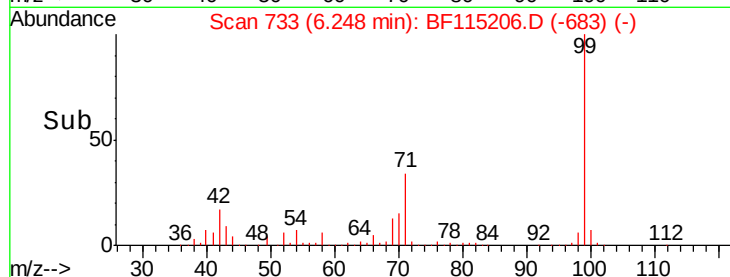
71 33.7 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.099 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Tgt Ion: 70 Resp: 156238

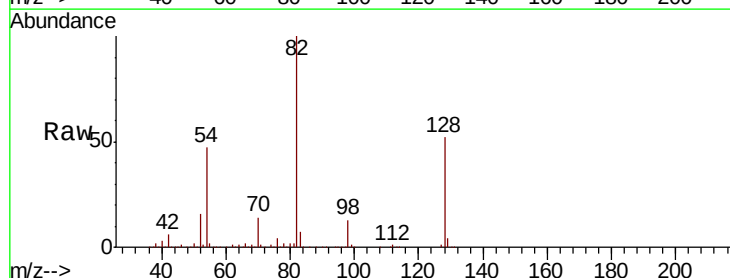
Ion Ratio Lower Upper

70 100

42 43.9 42.6 63.8

101 0.0 8.0 12.0#

130 2.5 19.4 29.0#

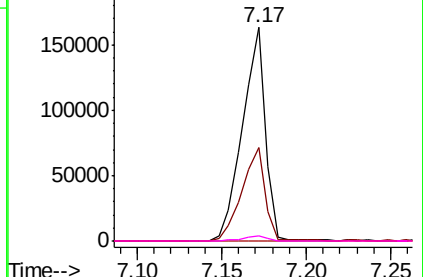
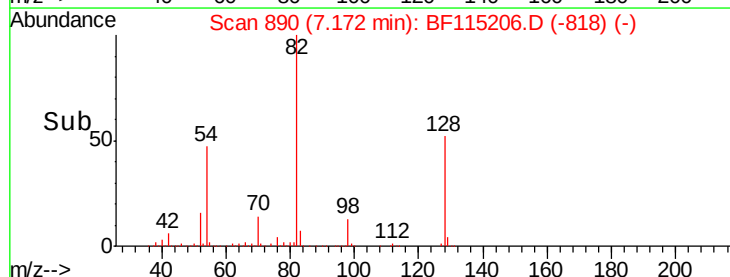


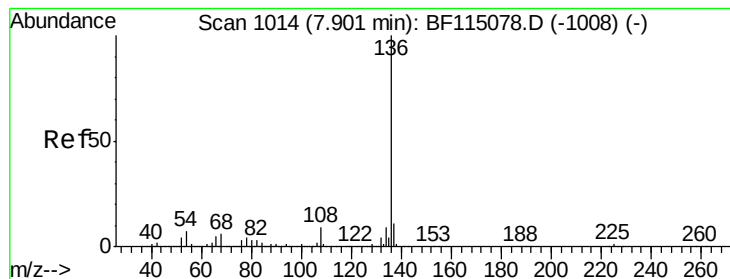
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampled :

CP-S5-SOIL

Tgt Ion: 136 Resp: 720321

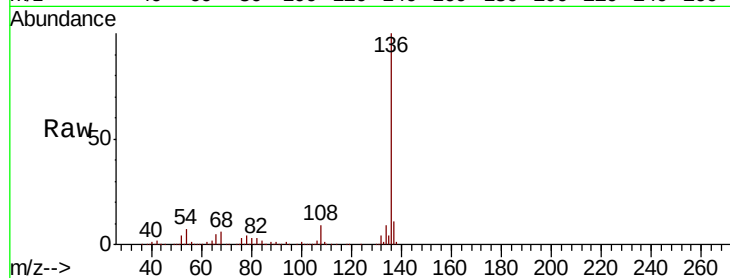
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.9 5.6 8.4

68 6.0 4.8 7.2

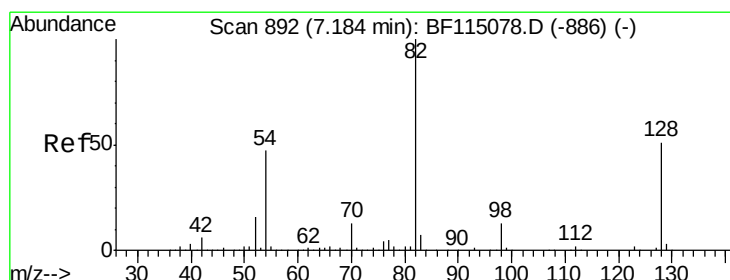
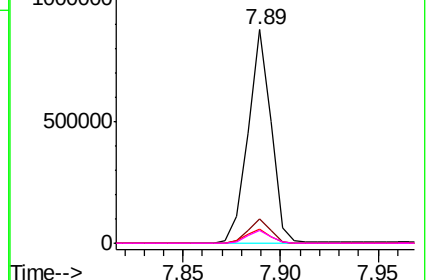
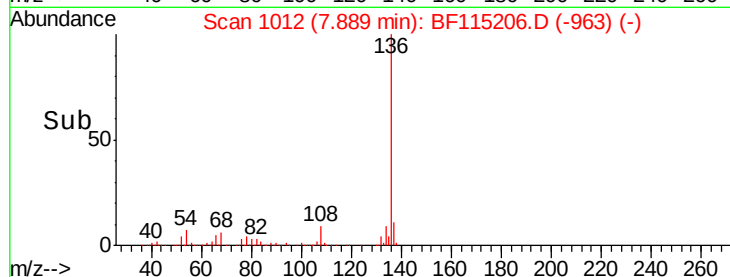


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 99.389 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

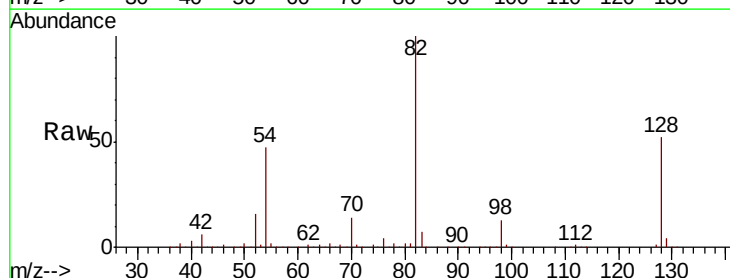
Tgt Ion: 82 Resp: 1163808

Ion Ratio Lower Upper

82 100

128 51.5 40.4 60.6

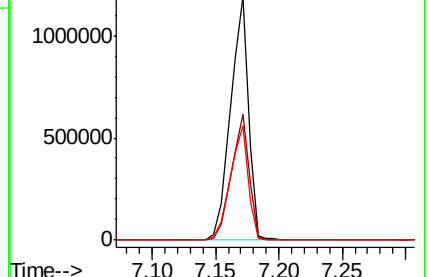
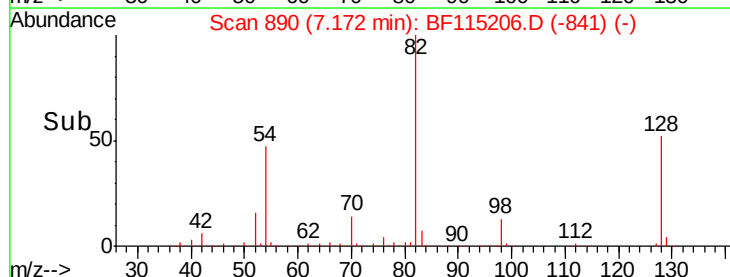
54 47.1 37.5 56.3

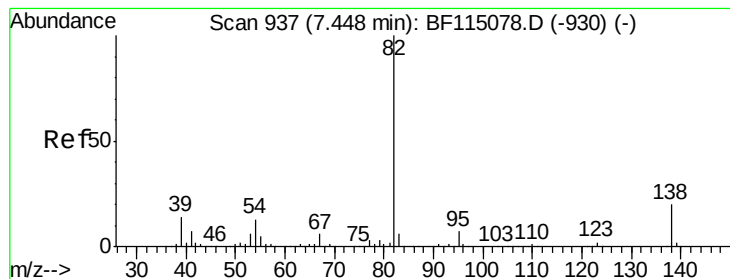


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.699 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

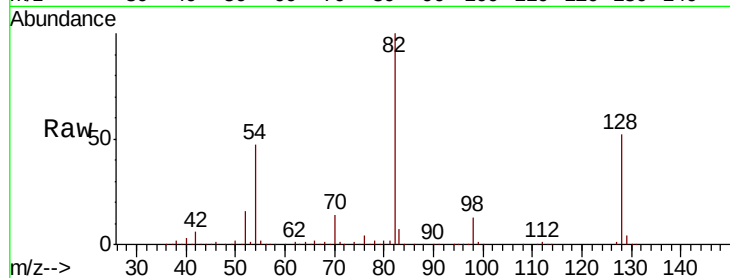
Tgt Ion: 82 Resp: 1144197

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

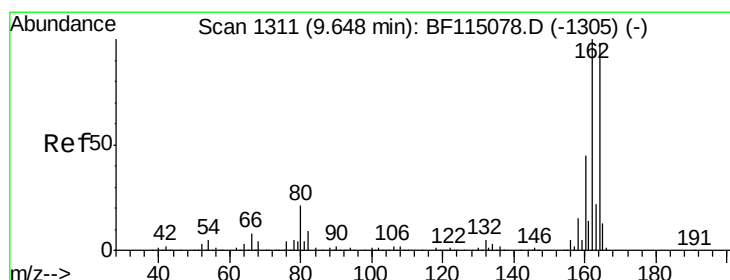
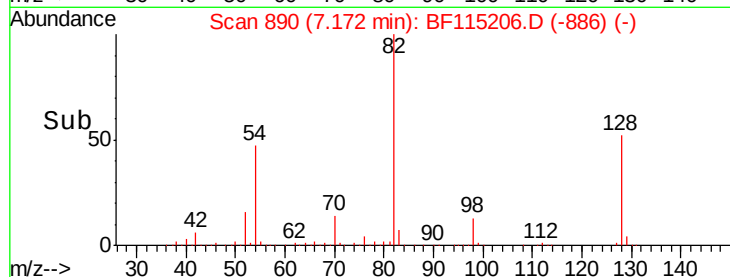
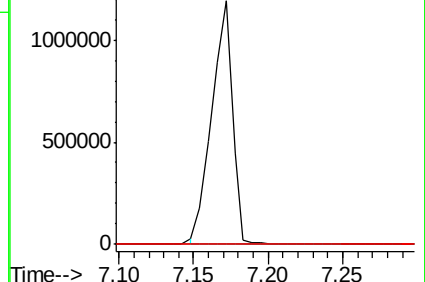
138 0.0 15.9 23.9#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

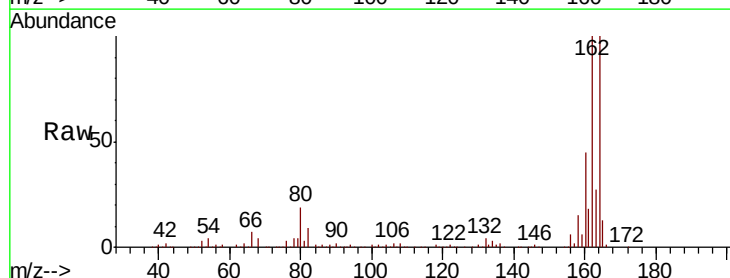
Tgt Ion: 164 Resp: 322110

Ion Ratio Lower Upper

164 100

162 100.4 81.7 122.5

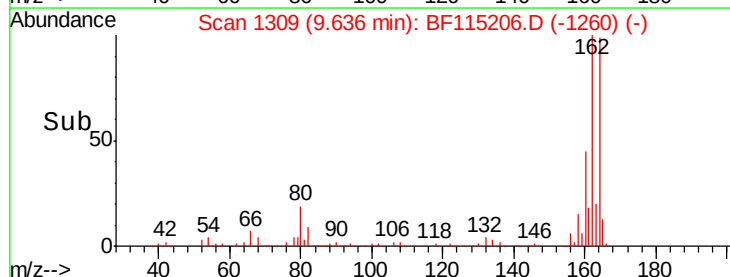
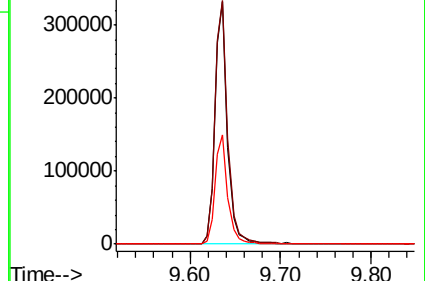
160 45.3 37.0 55.4

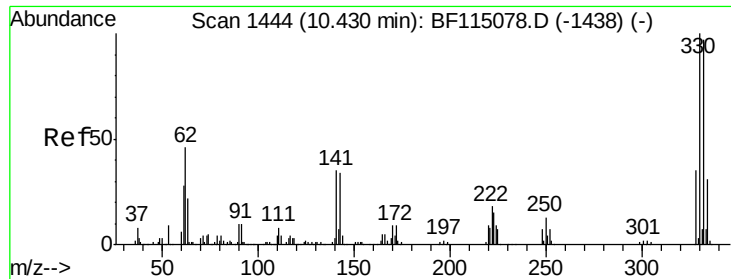


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

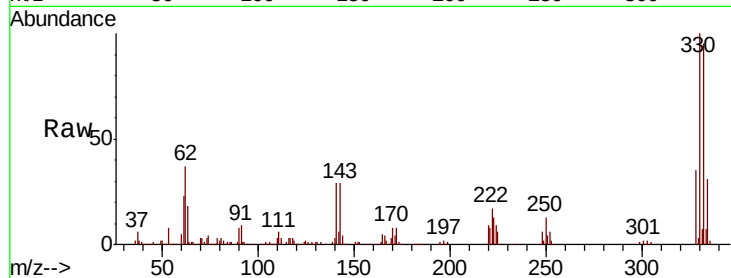




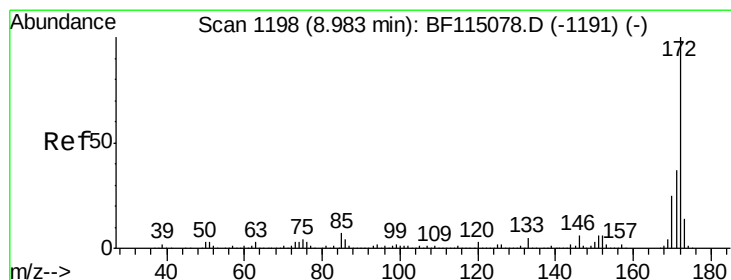
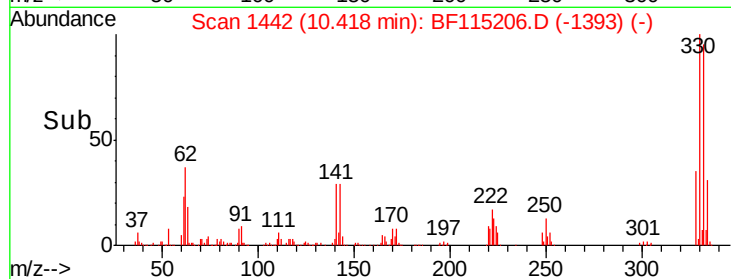
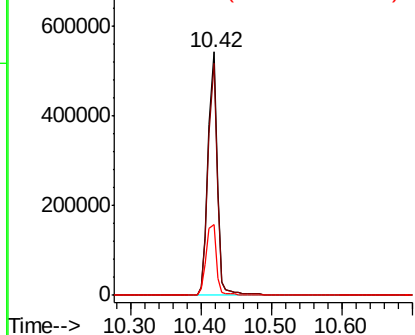
#42
 2,4,6-Tribromophenol
 Concen: 147.237 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	32.4	28.2	42.2

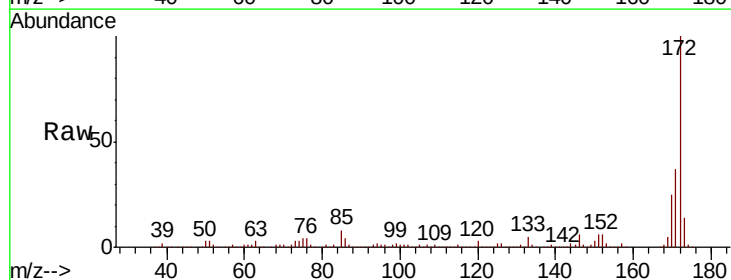


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

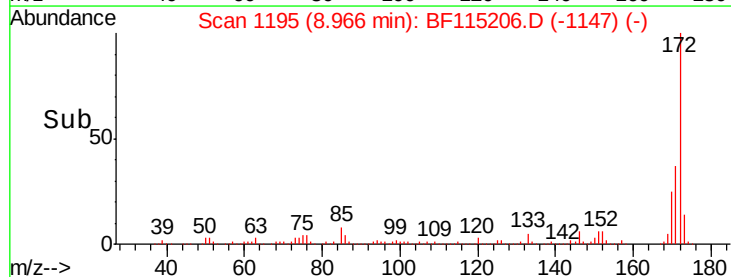
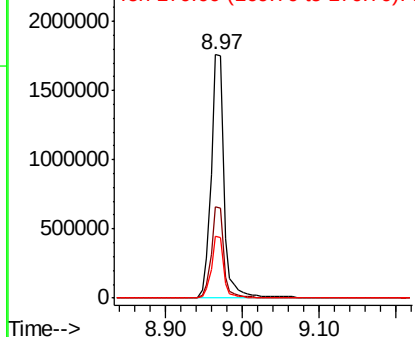


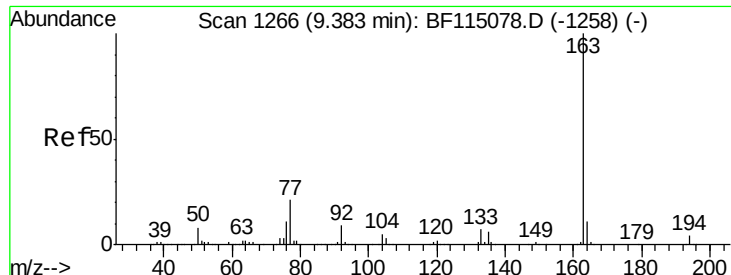
#45
 2-Fluorobiphenyl
 Concen: 106.820 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	25.4	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





#50

Dimethylphthalate

Concen: 12.867 ng

RT: 9.36 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

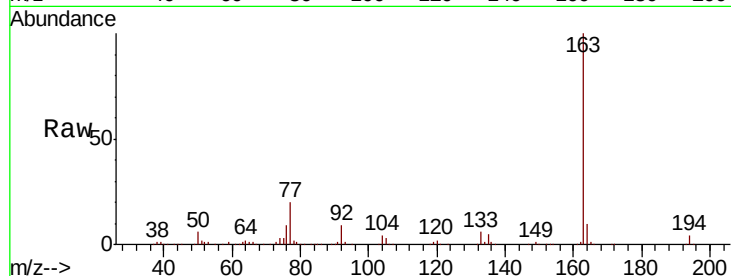
Tgt Ion:163 Resp: 304920

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

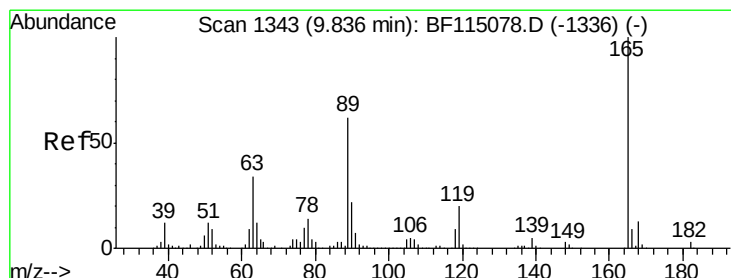
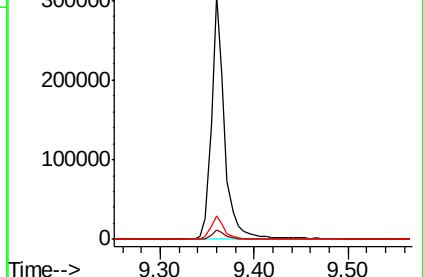
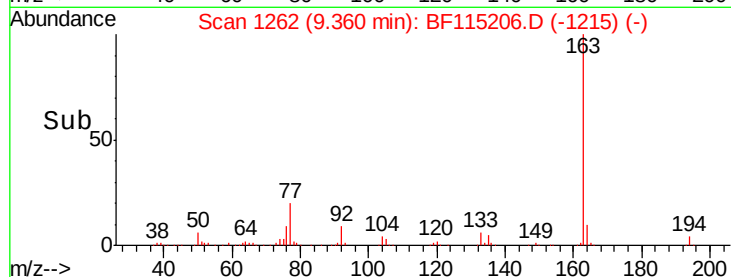
164 9.9 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 5.871 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Tgt Ion:165 Resp: 41476

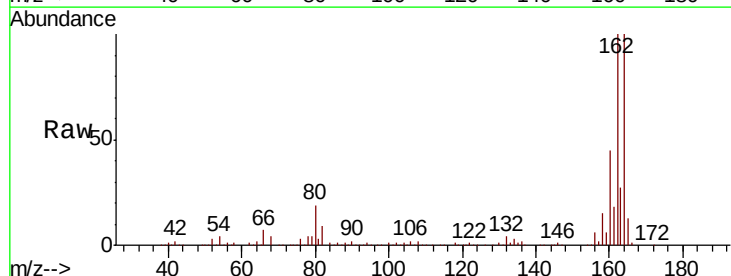
Ion Ratio Lower Upper

165 100

63 1.2 27.5 41.3#

89 1.3 49.9 74.9#

182 0.0 2.1 3.1#

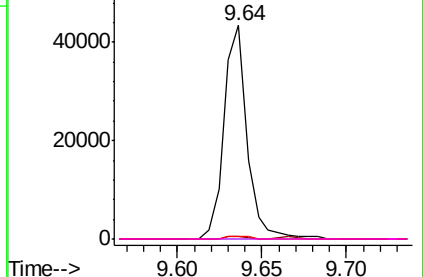
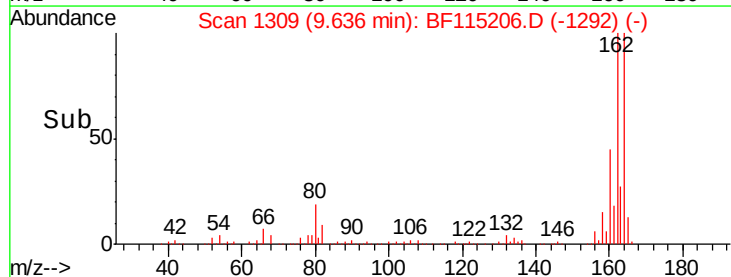


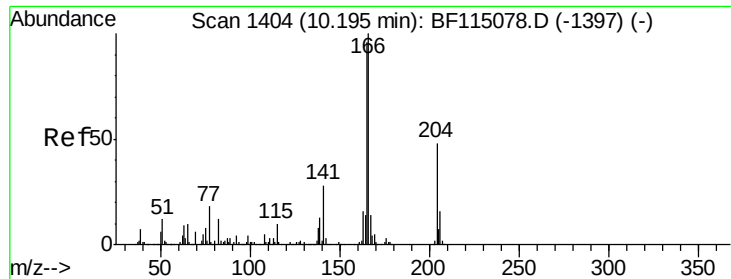
Abundance Ion 165.00 (164.70 to 165.70): E

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

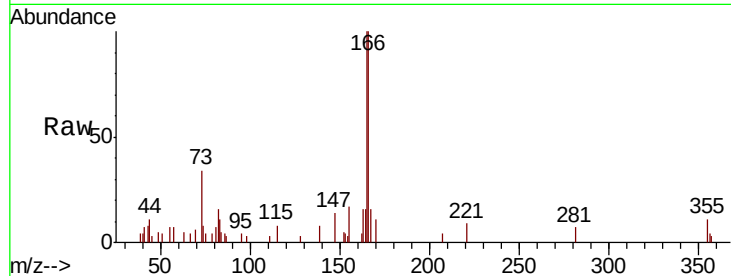




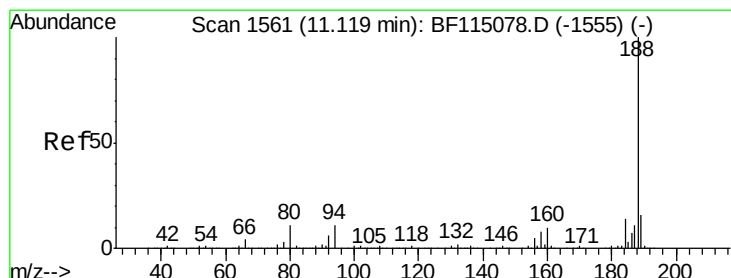
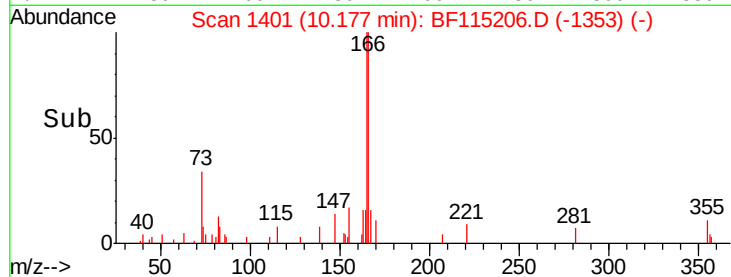
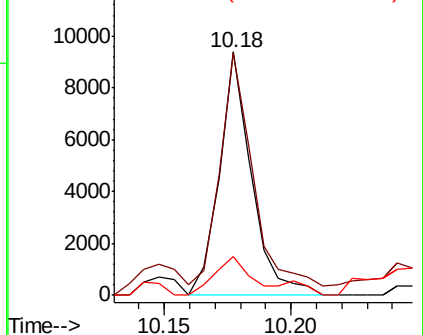
#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Tgt Ion:166 Resp: 8293
 Ion Ratio Lower Upper
 166 100
 165 99.7 76.5 114.7
 167 15.9 11.0 16.4

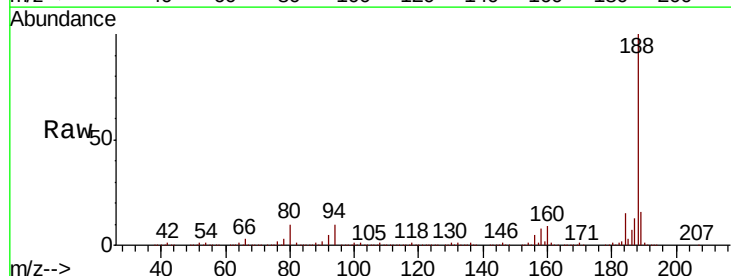


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

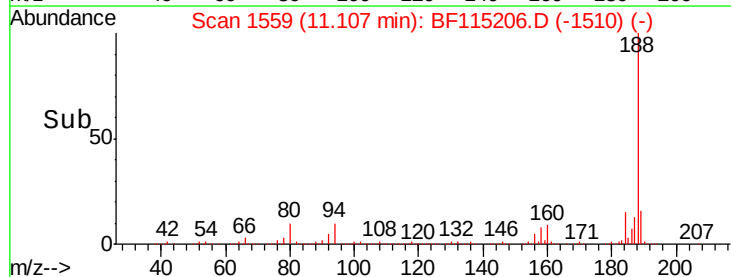
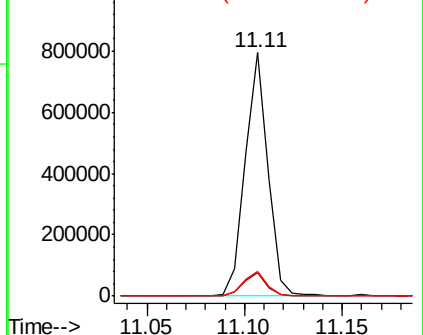


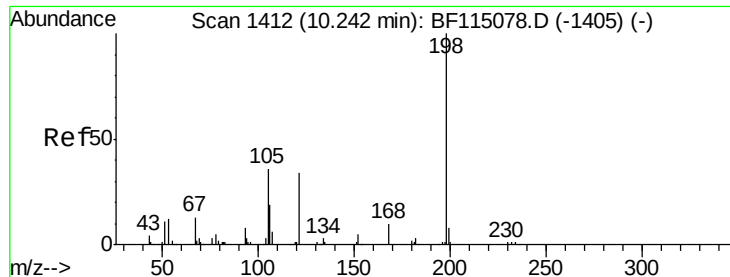
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.11 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion:188 Resp: 643801
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.6 12.8
 80 9.9 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

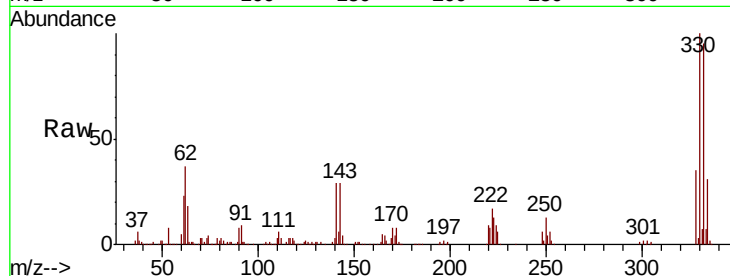




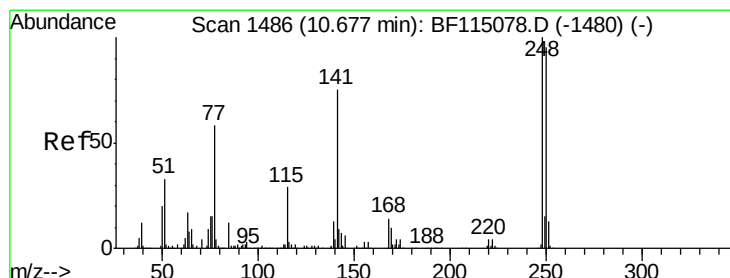
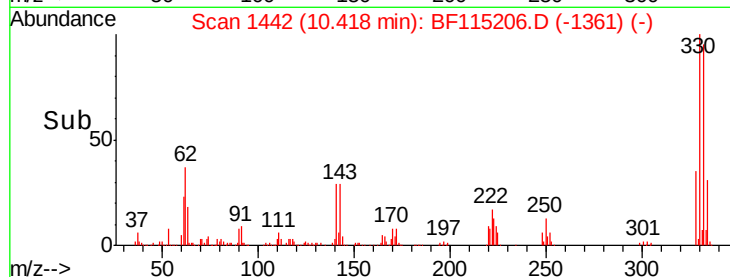
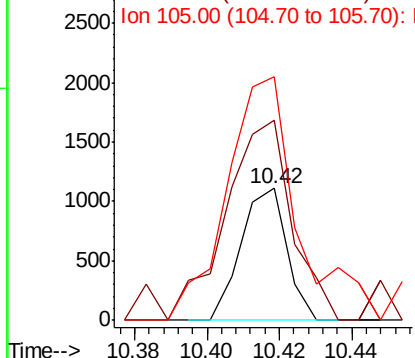
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.216 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. 0.18 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampled :
 CP-S5-SOIL

Tgt Ion:198 Resp: 979
 Ion Ratio Lower Upper
 198 100
 51 152.0 11.0 51.0#
 105 184.8 17.3 57.3#

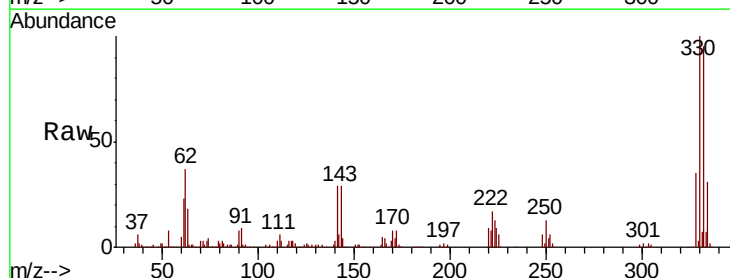


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

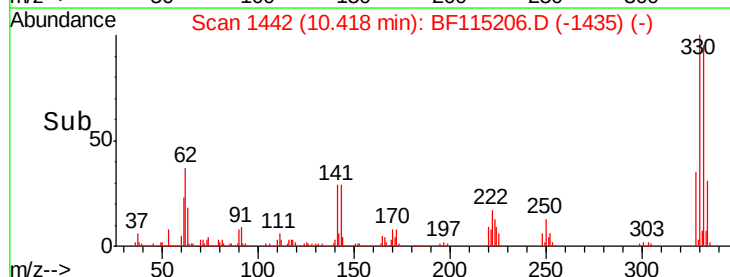
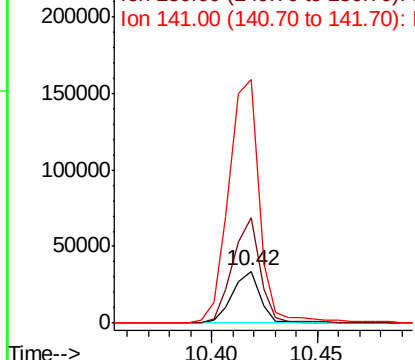


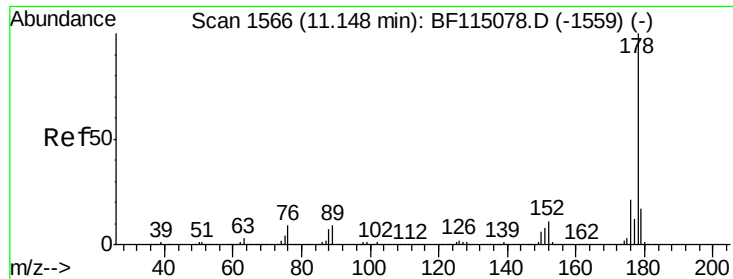
#67
 4-Bromophenyl-phenylether
 Concen: 4.426 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.26 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion:248 Resp: 30894
 Ion Ratio Lower Upper
 248 100
 250 203.1 76.2 114.2#
 141 471.4 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

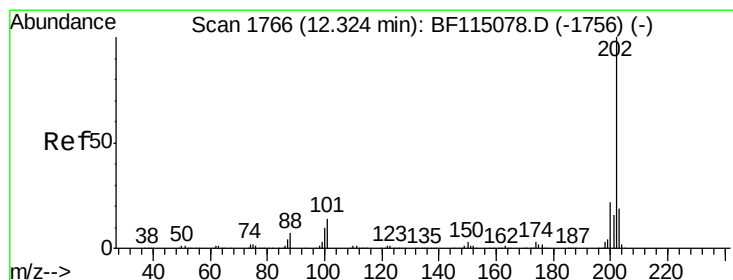
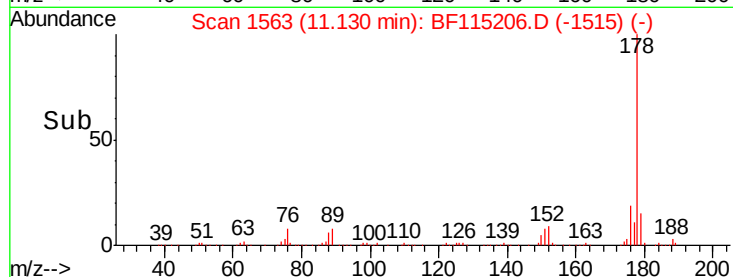
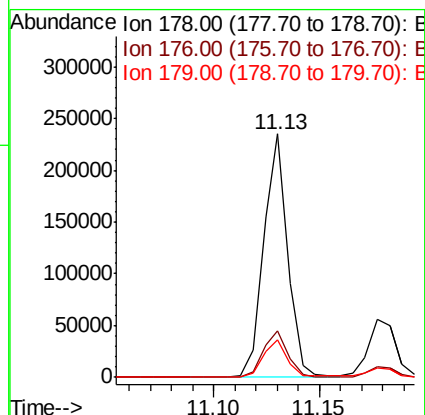
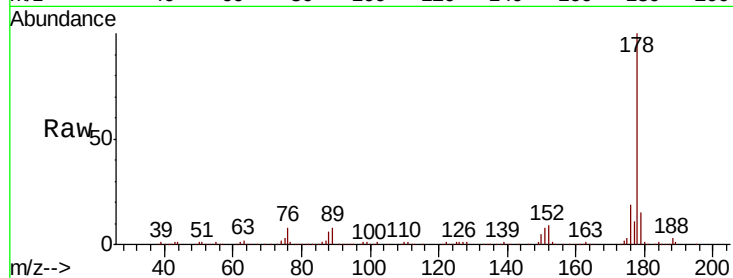




#71
Phenanthrene
Concen: 5.386 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

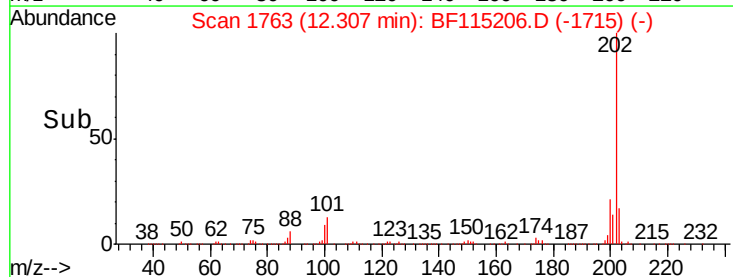
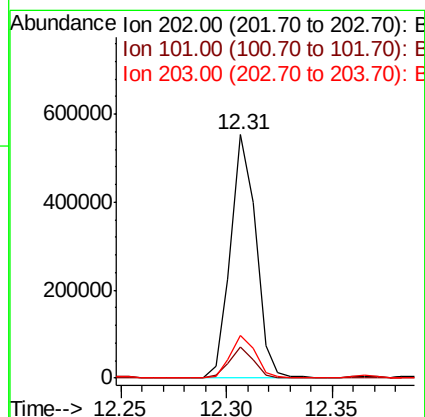
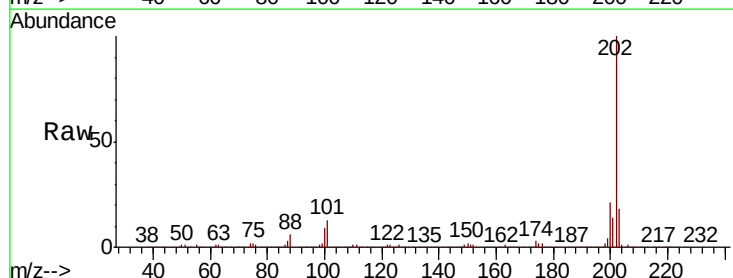
Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

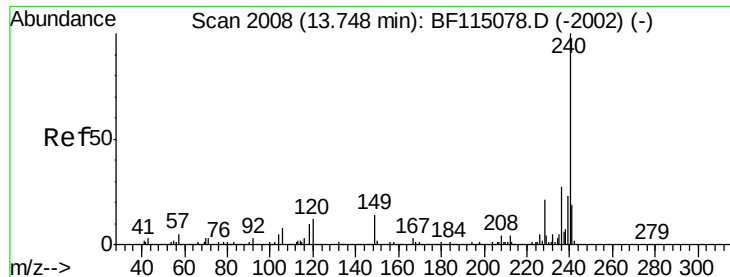
Tgt Ion:178 Resp: 186703
Ion Ratio Lower Upper
178 100
176 19.0 16.9 25.3
179 15.4 13.2 19.8



#75
Fluoranthene
Concen: 13.229 ng
RT: 12.31 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion:202 Resp: 457513
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.0
203 17.5 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

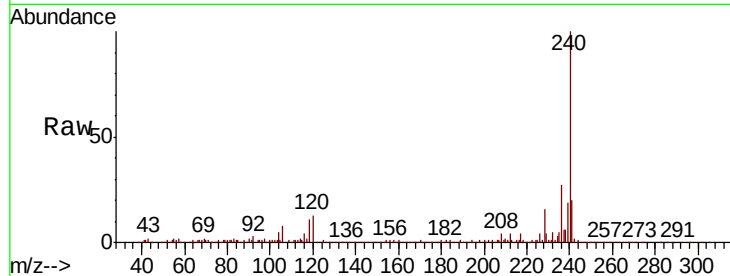
Tgt Ion:240 Resp: 599290

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

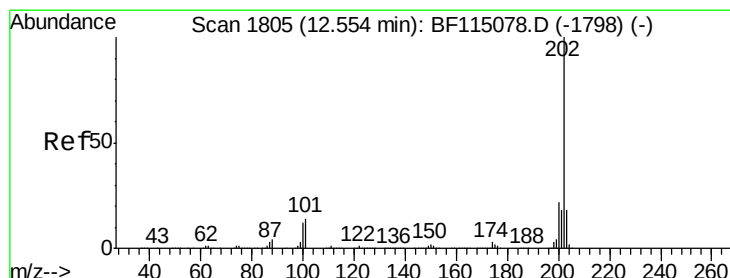
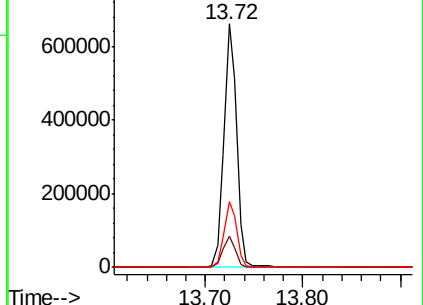
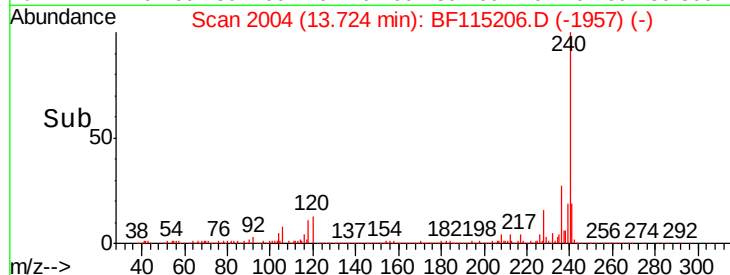
236 26.8 21.7 32.5



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



#78

Pyrene

Concen: 11.184 ng

RT: 12.54 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

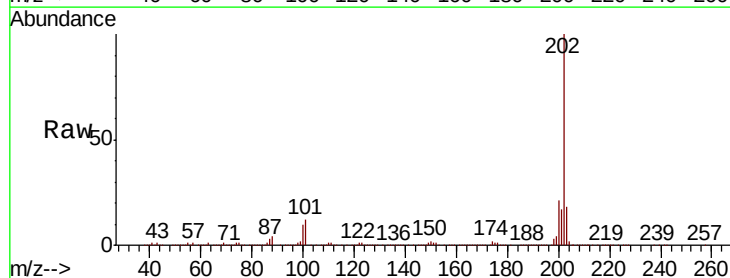
Tgt Ion:202 Resp: 515098

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

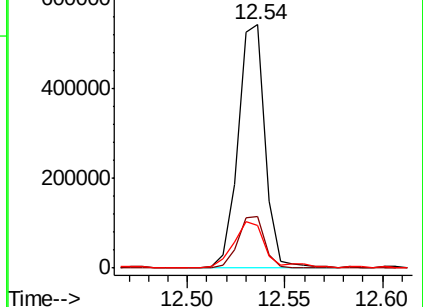
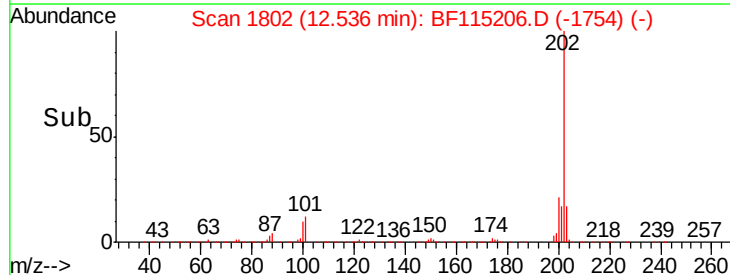
203 17.5 14.6 21.8

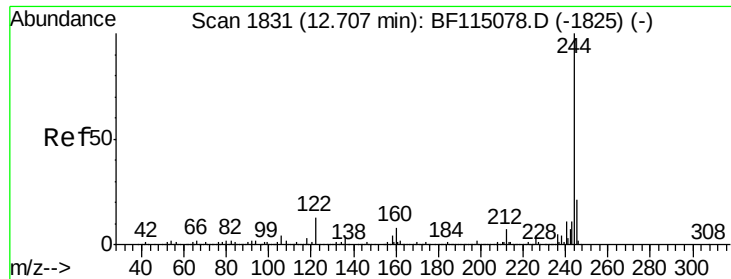


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.557 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

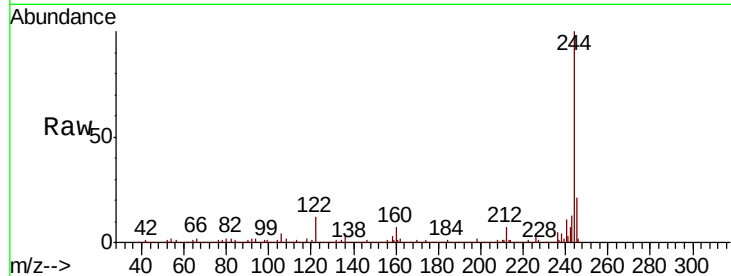
Tgt Ion:244 Resp: 2242433

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 11.6 10.4 15.6

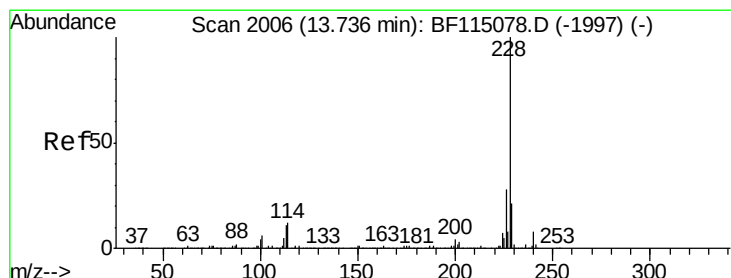
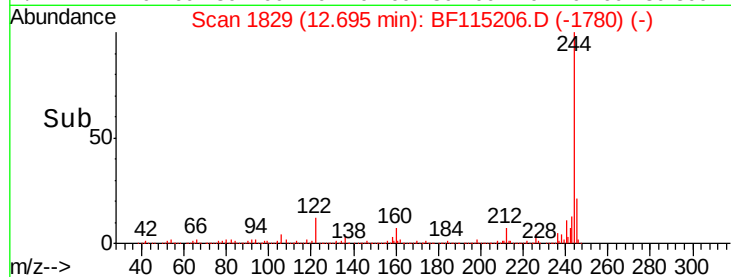
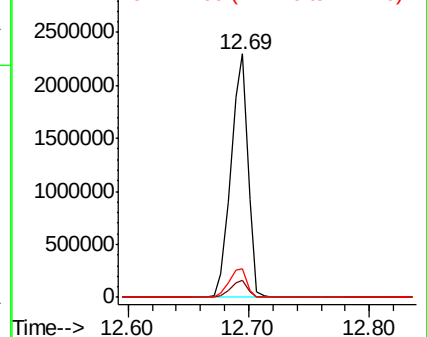


Abundance

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



#81

Benzo(a)anthracene

Concen: 6.911 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

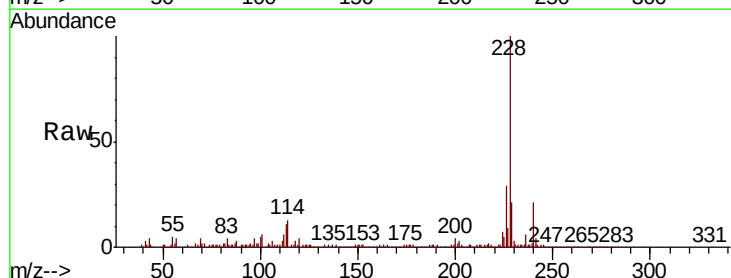
Tgt Ion:228 Resp: 297164

Ion Ratio Lower Upper

228 100

226 28.8 22.5 33.7

229 20.9 16.6 24.8

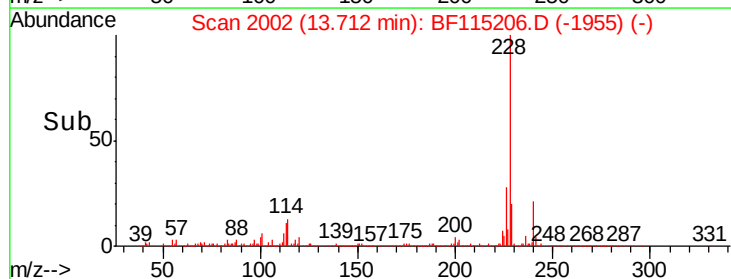
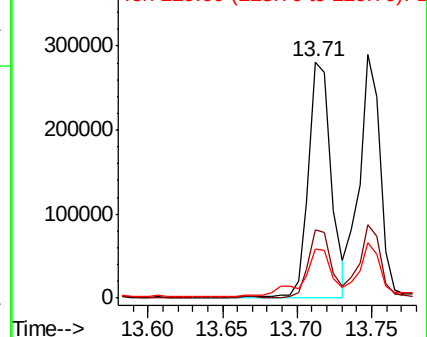


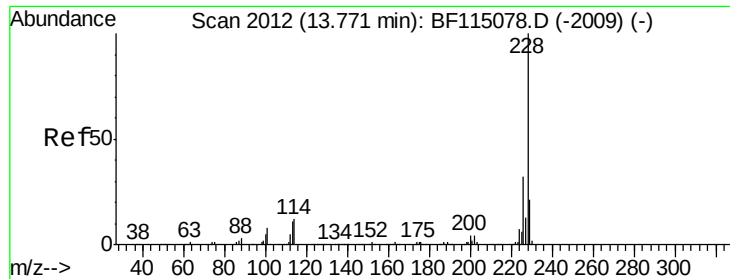
Abundance

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





#83

Chrysene

Concen: 7.326 ng

RT: 13.75 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

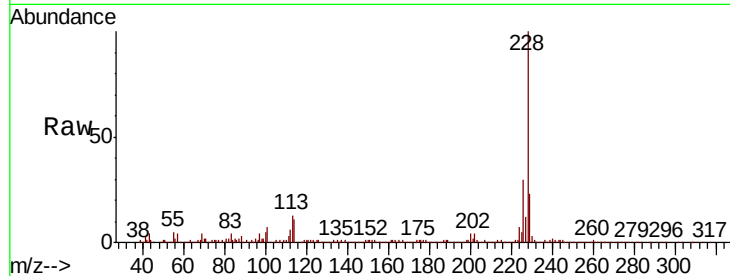
Tgt Ion:228 Resp: 288581

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

229 22.9 16.5 24.7

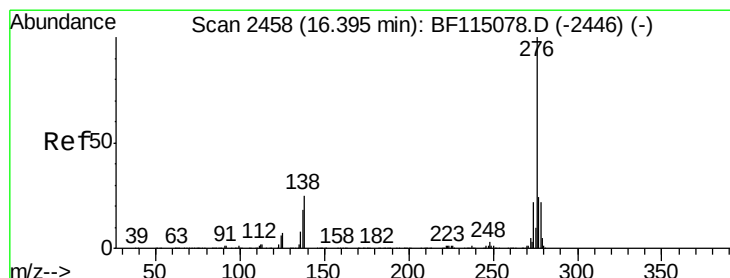
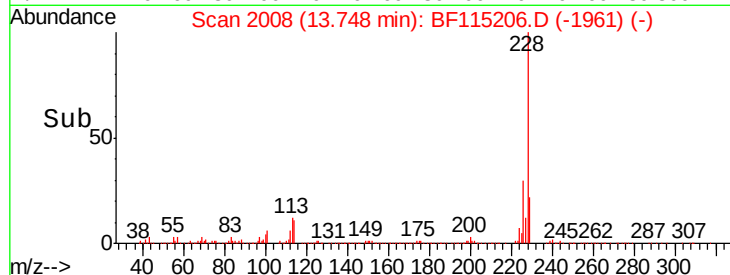
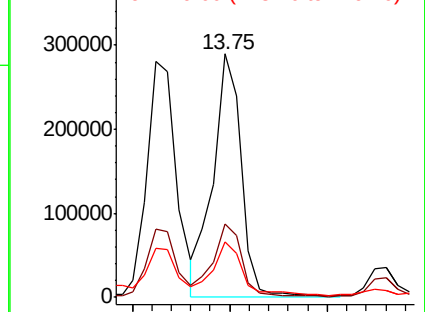


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.687 ng

RT: 16.35 min Scan# 2450

Delta R.T. -0.05 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

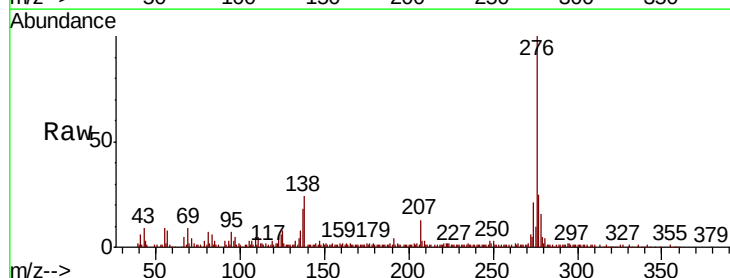
Tgt Ion:276 Resp: 125222

Ion Ratio Lower Upper

276 100

138 23.5 23.2 34.8

277 23.1 20.1 30.1

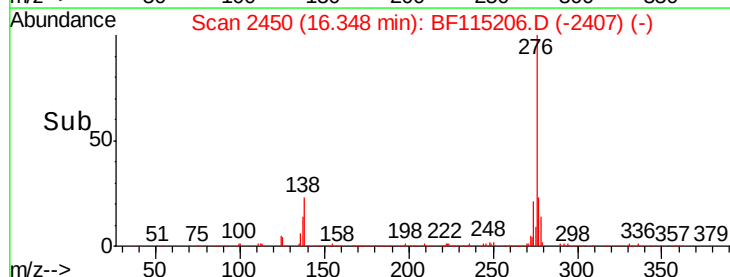
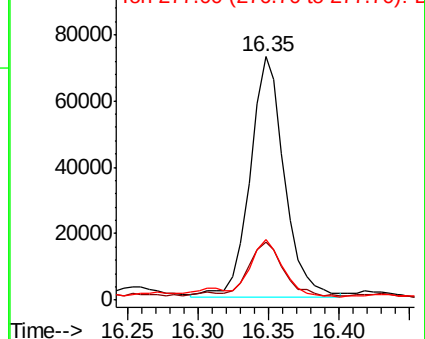


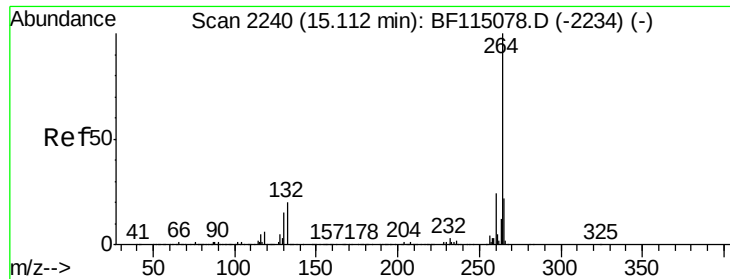
Abundance

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

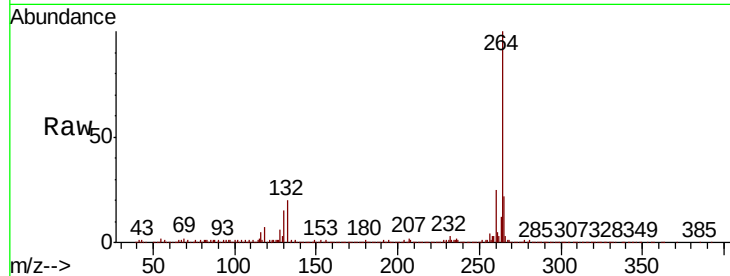




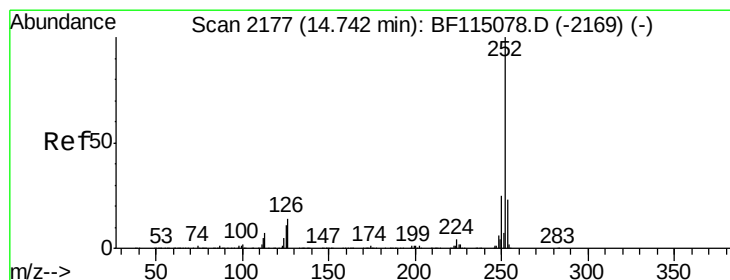
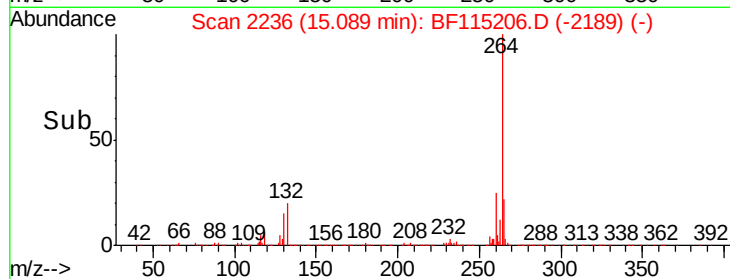
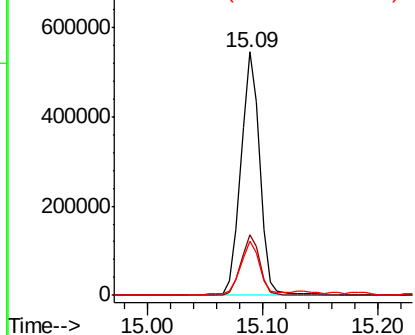
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tgt Ion:264 Resp: 617218
Ion Ratio Lower Upper
264 100
260 24.7 19.6 29.4
265 22.2 17.3 25.9

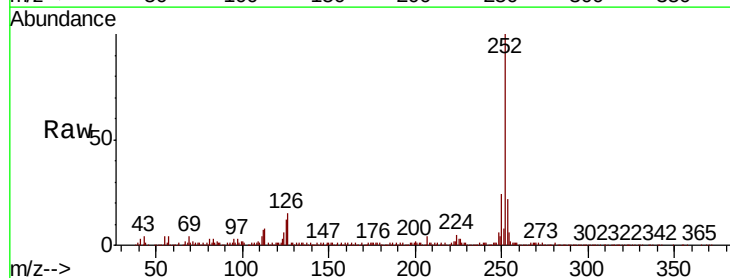


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

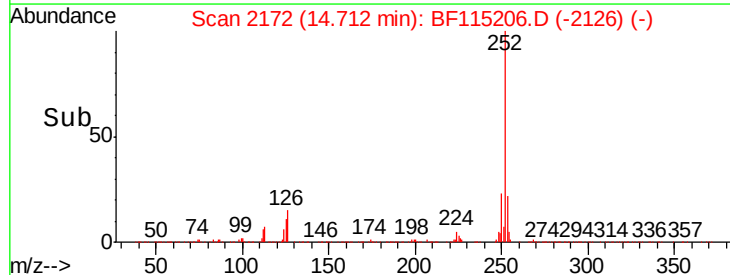
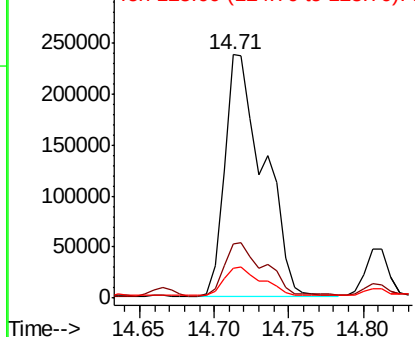


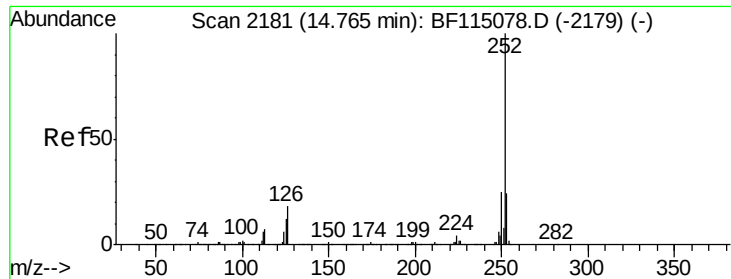
#88
Benzo(b)fluoranthene
Concen: 11.323 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion:252 Resp: 436070
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.4 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

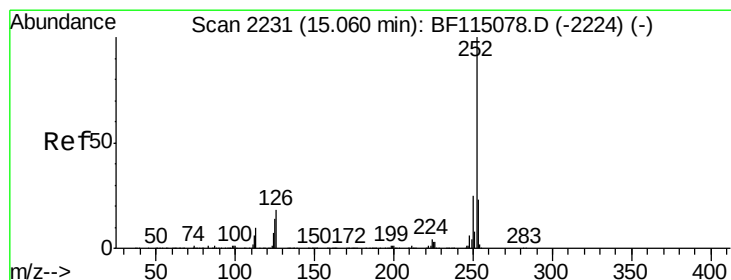
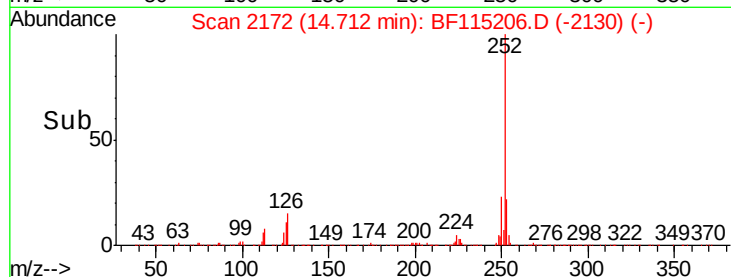
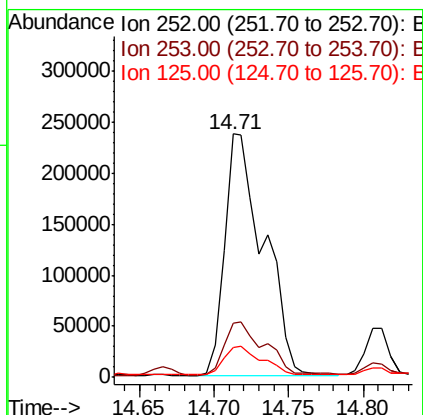
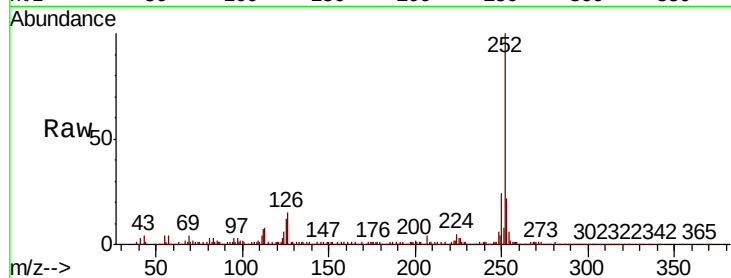




#89
Benzo(k)fluoranthene
Concen: 12.626 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.05 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

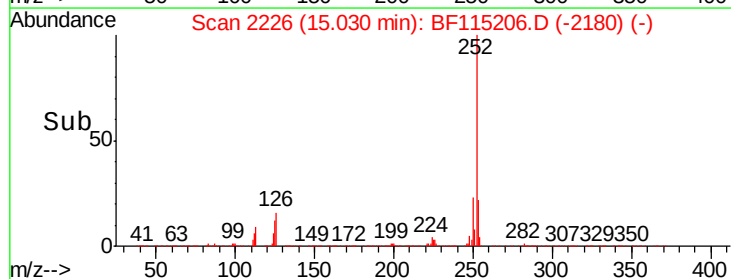
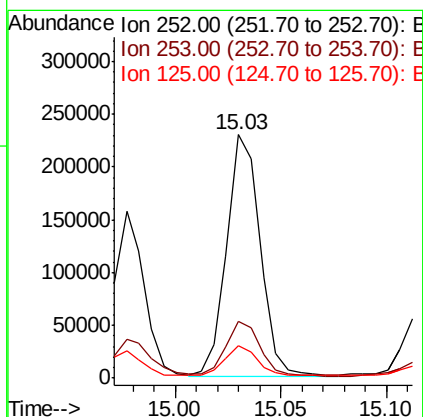
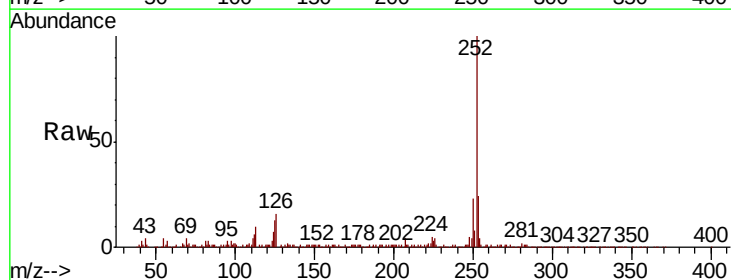
Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

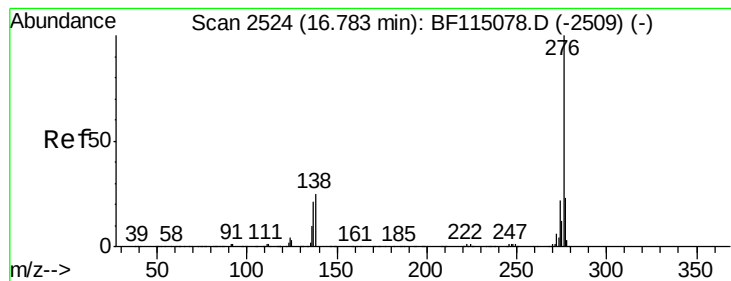
Tgt Ion:252 Resp: 436070
Ion Ratio Lower Upper
252 100
253 22.4 18.9 28.3
125 12.4 10.2 15.2



#90
Benzo(a)pyrene
Concen: 7.249 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion:252 Resp: 251637
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 13.2 10.9 16.3





#92

Benzo(g,h,i)perylene

Concen: 3.329 ng

RT: 16.72 min Scan# 2514

Delta R.T. -0.06 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

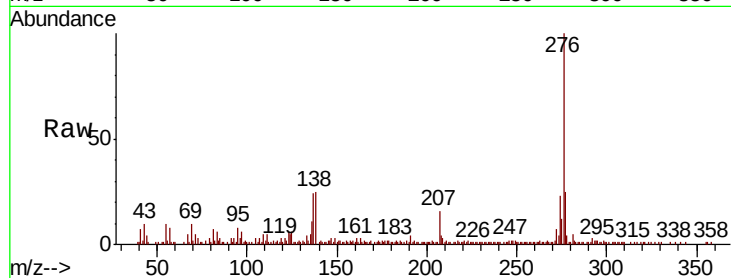
Tgt Ion: 276 Resp: 109175

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 25.1 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

