

Data File : BF115296.D
Acq On : 28 Jun 2019 21:56
Operator : HP/JU
Sample : K3518-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Quant Time: Jun 29 02:38:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	240001	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	928968	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	452646	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	907909	20.00	ng	0.00
76) Chrysene-d12	13.71	240	717224	20.00	ng	0.00
87) Perylene-d12	15.08	264	751165	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1313329	84.45	ng	0.00
7) Phenol-d6	6.24	99	1644914	87.14	ng	0.00
23) Nitrobenzene-d5	7.16	82	991909	65.68	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	487021	102.03	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1837927	68.97	ng	0.00
79) Terphenyl-d14	12.68	244	2122960	62.93	ng	0.00

Target Compounds

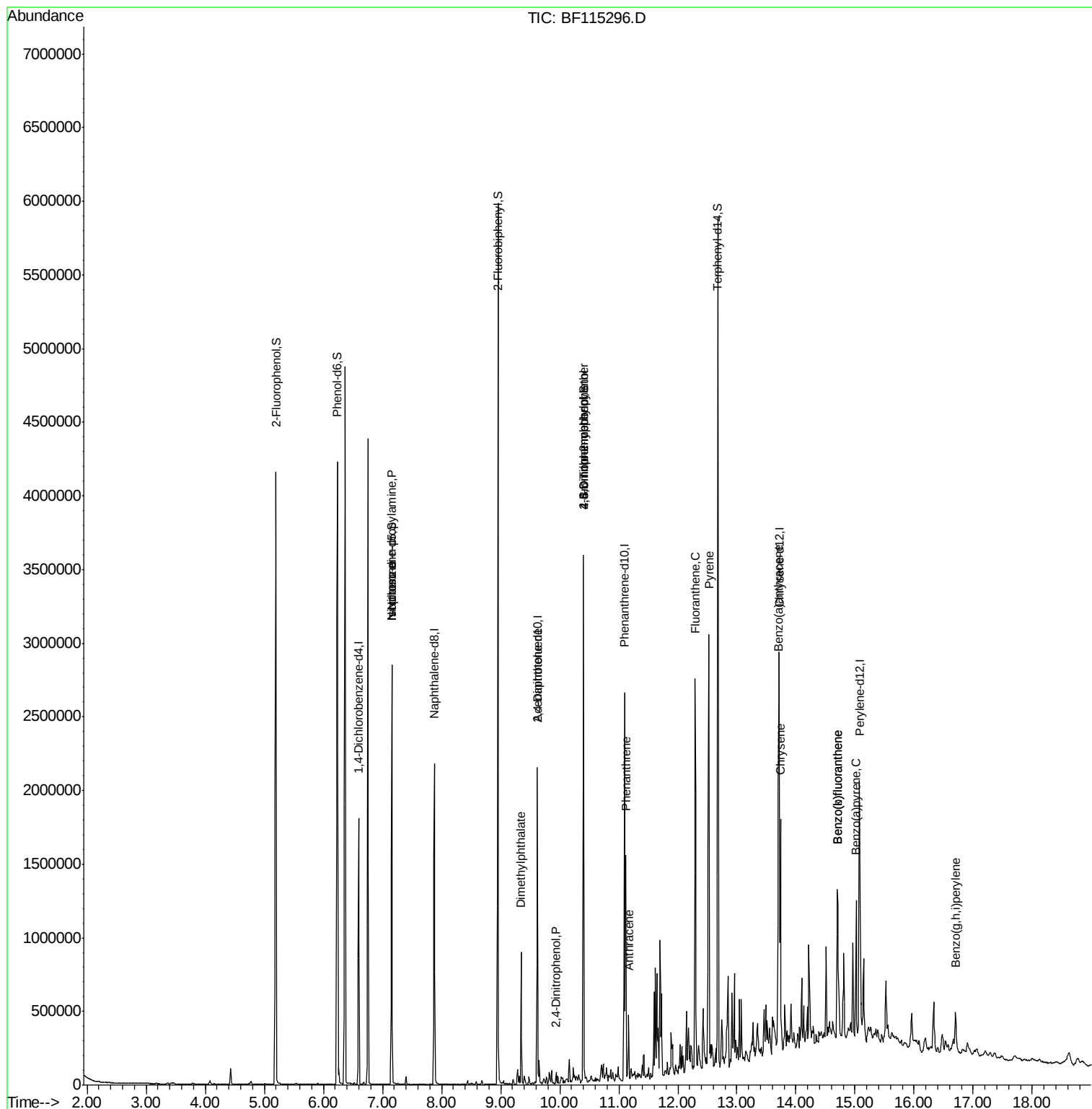
						Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	130802	10.823	ng	# 76
25) Isophorone	7.16	82	983802	31.801	ng	# 63
50) Dimethylphthalate	9.35	163	327164	9.824	ng	99
54) 2,4-Dinitrophenol	9.95	184	111	7.369	ng	# 1
57) 2,4-Dinitrotoluene	9.62	165	59517	5.995	ng	# 30
58) Fluorene	10.17	166	33307	Below Cal		97
65) 4,6-Dinitro-2-methylphenol	10.40	198	1051	5.155	ng	# 1
67) 4-Bromophenyl-phenylether	10.40	248	29761	3.023	ng	# 1
71) Phenanthrene	11.12	178	580283	11.871	ng	97
72) Anthracene	11.17	178	142872	2.895	ng	98
75) Fluoranthene	12.29	202	1002255	20.549	ng	99
78) Pyrene	12.52	202	1234119	22.390	ng	100
81) Benzo(a)anthracene	13.70	228	590629	11.477	ng	98
83) Chrysene	13.74	228	569965	12.091	ng	97
88) Benzo(b)fluoranthene	14.70	252	678758	14.482	ng	98
89) Benzo(k)fluoranthene	14.70	252	678758	16.148	ng	99
90) Benzo(a)pyrene	15.02	252	412895	9.774	ng	98
92) Benzo(g,h,i)perylene	16.70	276	203059	5.087	ng	100

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

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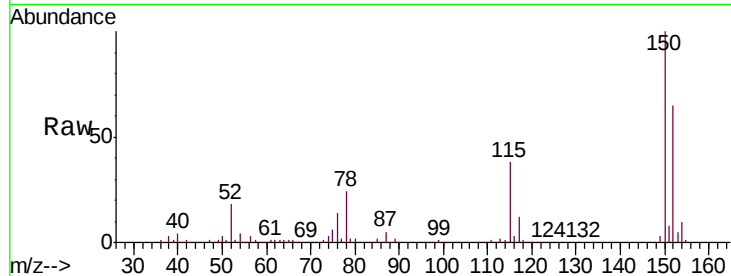


#1

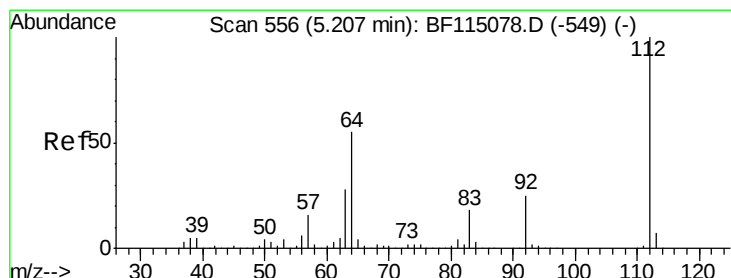
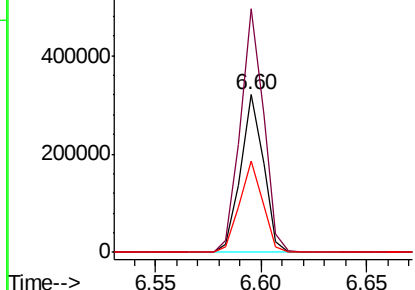
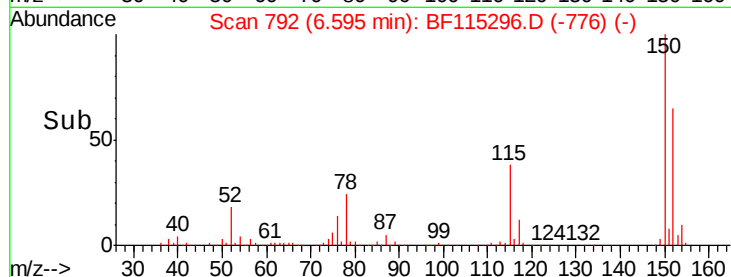
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tgt Ion:152 Resp: 240001
Ion Ratio Lower Upper
152 100
150 154.6 124.2 186.2
115 58.3 46.1 69.1



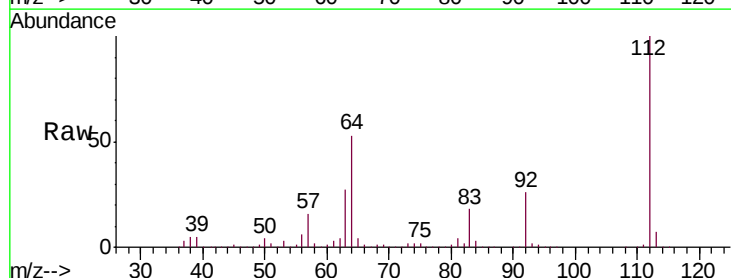
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



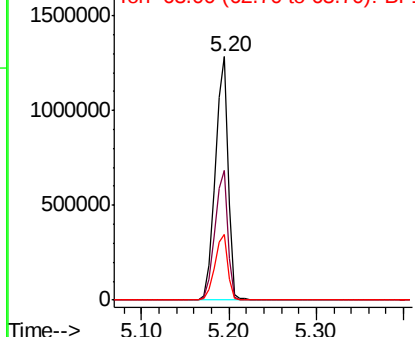
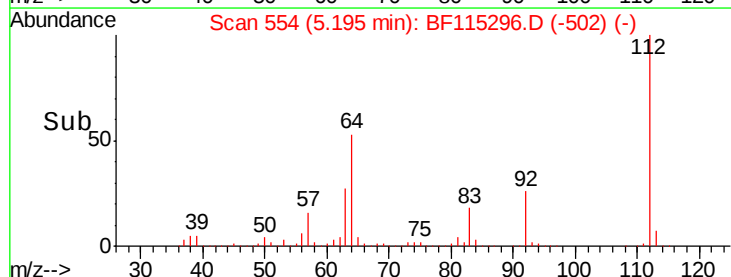
#5

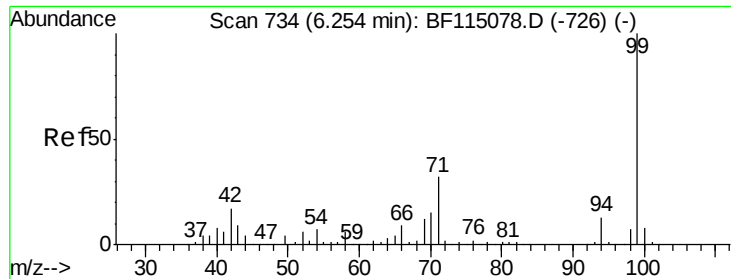
2-Fluorophenol
Concen: 84.445 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion:112 Resp: 1313329
Ion Ratio Lower Upper
112 100
64 53.5 43.8 65.6
63 27.2 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: 87.139 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

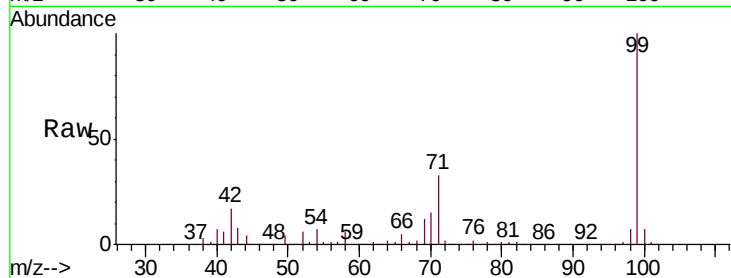
Tgt Ion: 99 Resp: 1644914

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

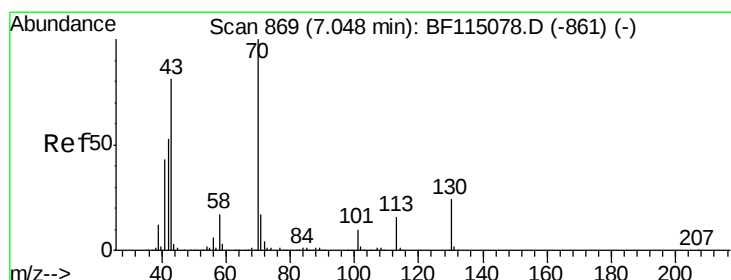
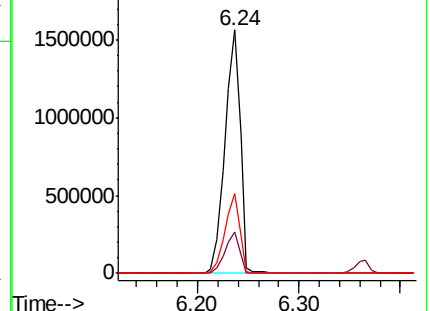
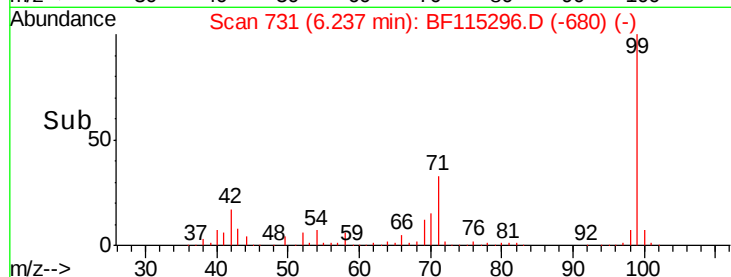
71 32.7 25.5 38.3



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: 10.823 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Tgt Ion: 70 Resp: 130802

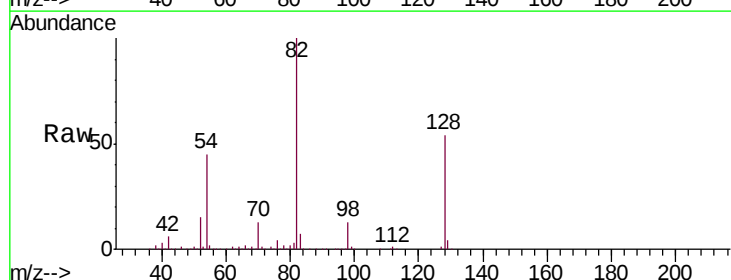
Ion Ratio Lower Upper

70 100

42 43.6 42.6 63.8

101 0.0 8.0 12.0#

130 2.4 19.4 29.0#

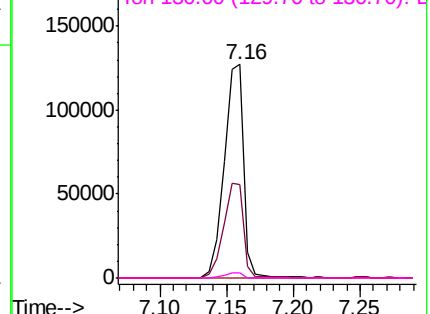
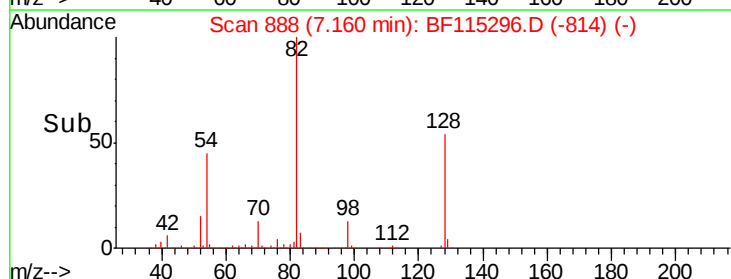


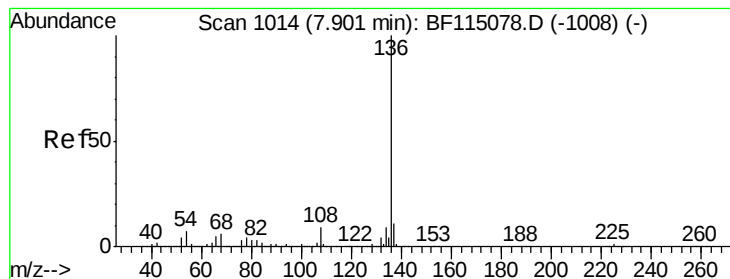
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

Tgt Ion: 136 Resp: 928968

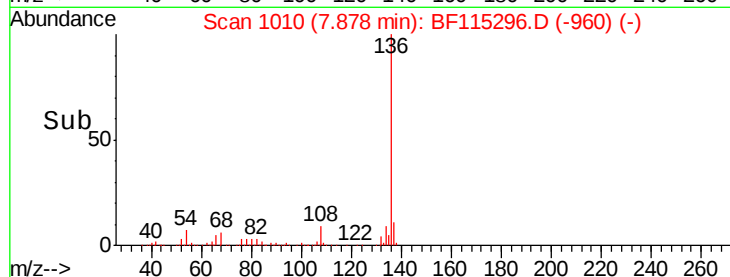
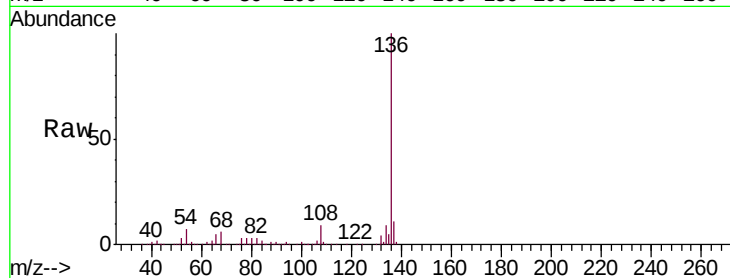
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 5.6 8.4

68 5.7 4.8 7.2

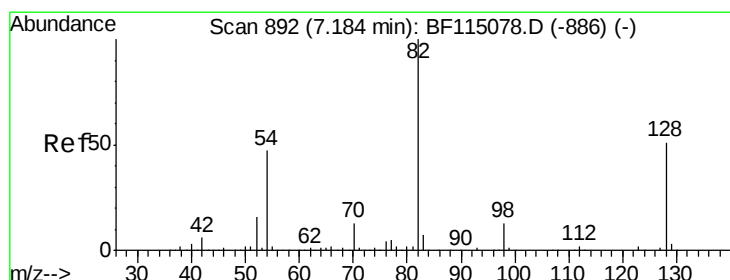
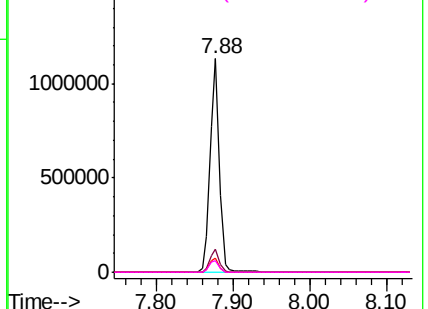


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.683 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

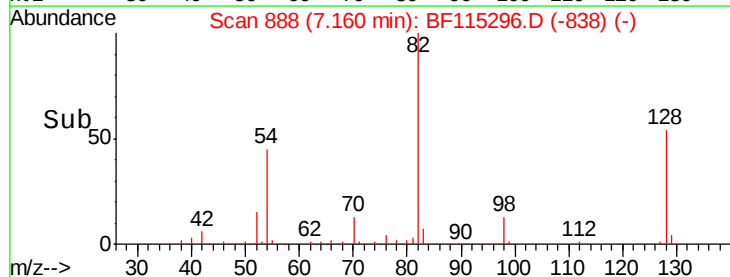
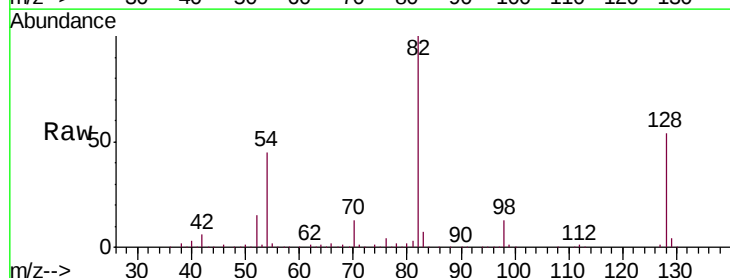
Tgt Ion: 82 Resp: 991909

Ion Ratio Lower Upper

82 100

128 53.9 40.4 60.6

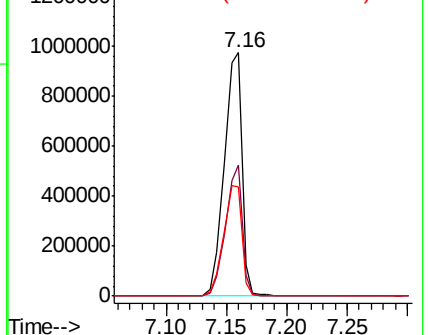
54 44.8 37.5 56.3

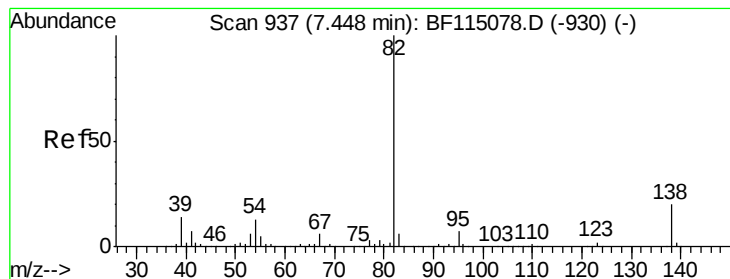


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.801 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115296.D

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BNA_F

ClientSampleId :

CP-S3-SOIL

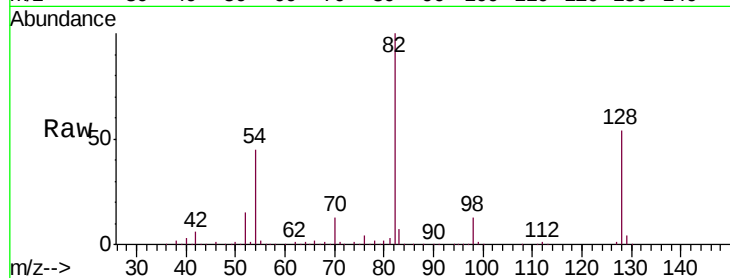
Tgt Ion: 82 Resp: 983802

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

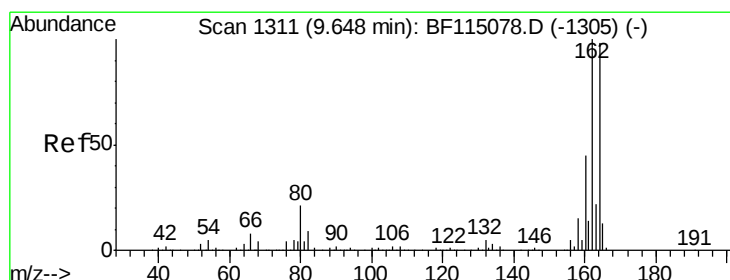
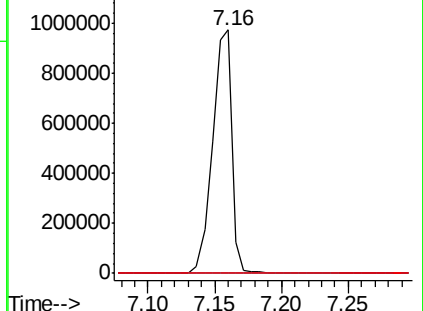
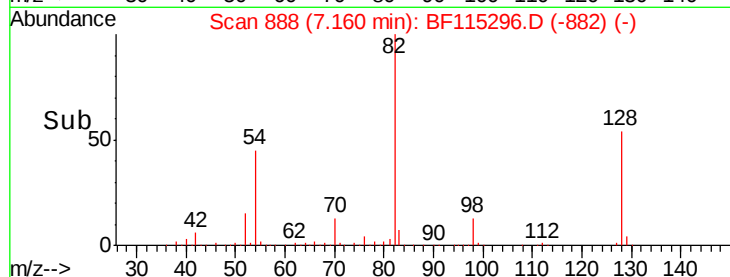
138 0.0 15.9 23.9#



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: 9.62 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

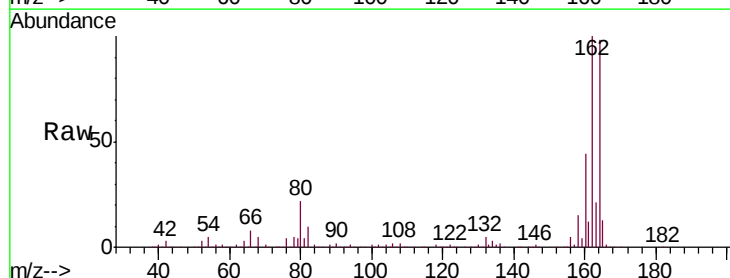
Tgt Ion: 164 Resp: 452646

Ion Ratio Lower Upper

164 100

162 102.3 81.7 122.5

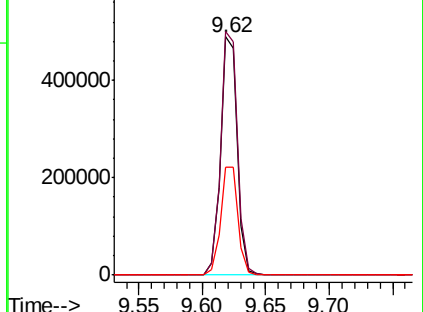
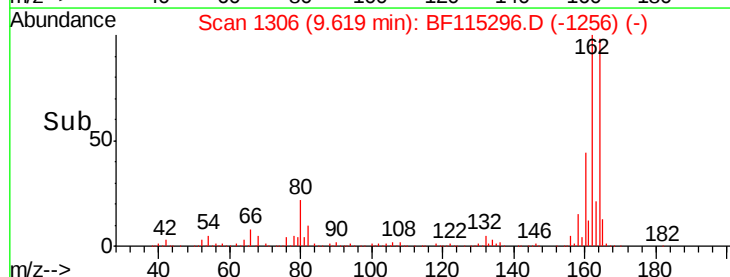
160 45.4 37.0 55.4



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

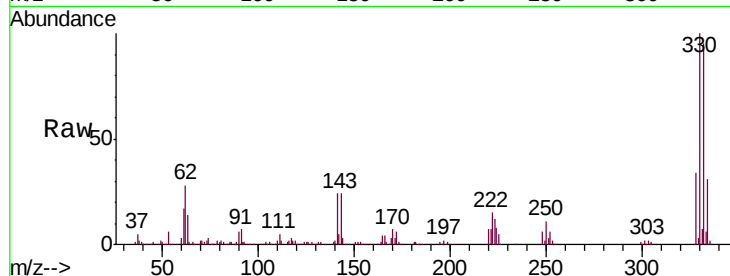




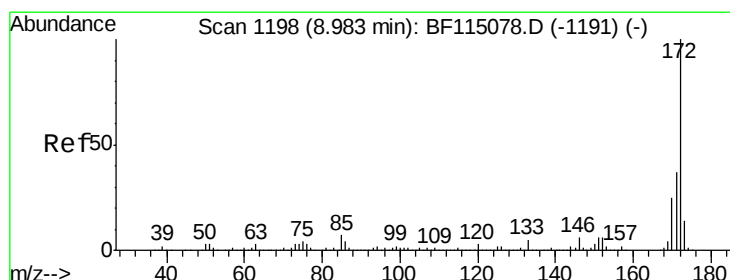
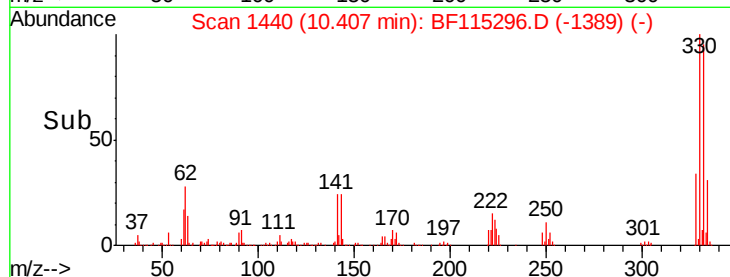
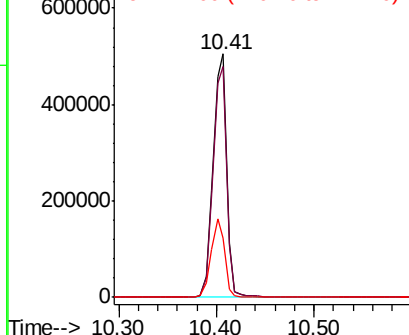
#42
 2,4,6-Tribromophenol
 Concen: 102.030 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Instrument :
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 ClientSampleId :
 CP-S3-SOIL

Tgt Ion:330 Resp: 487021
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 32.4 28.2 42.2

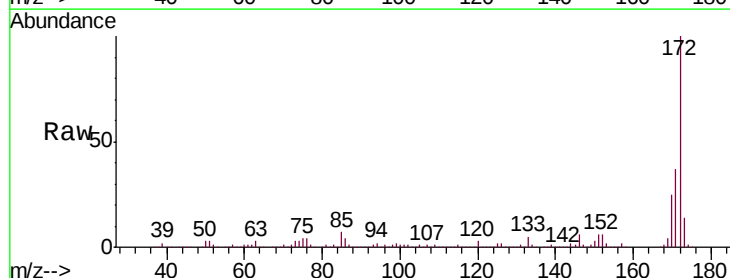


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

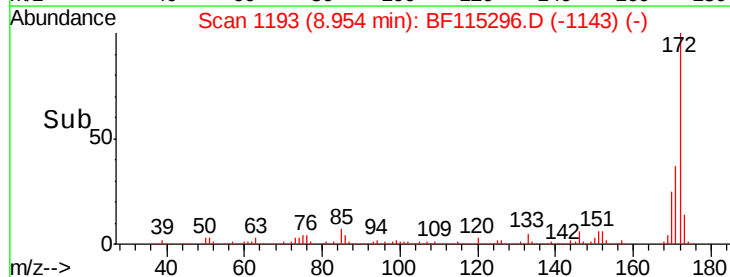
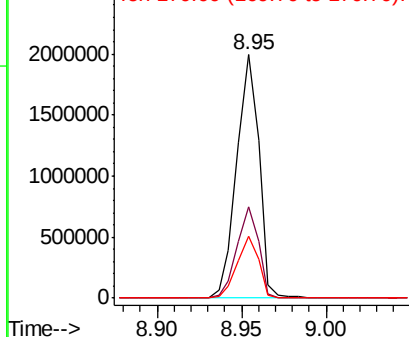


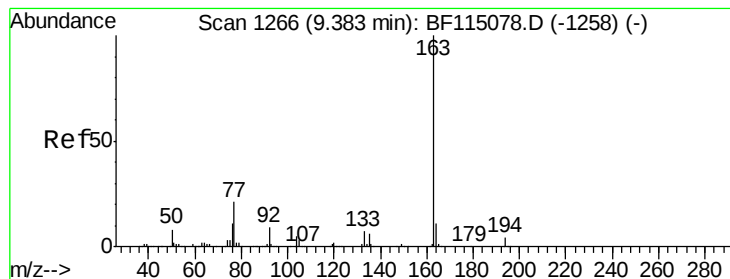
#45
 2-Fluorobiphenyl
 Concen: 68.971 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Tgt Ion:172 Resp: 1837927
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 25.3 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: 9.824 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115296.D

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Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

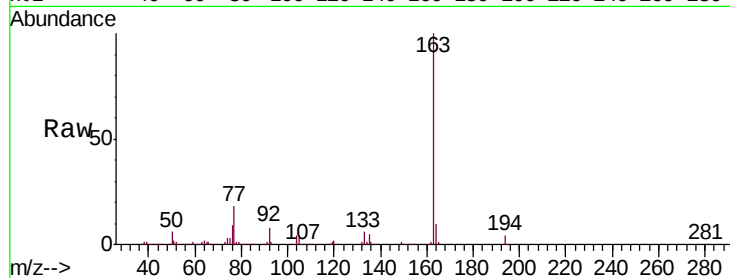
Tgt Ion:163 Resp: 327164

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

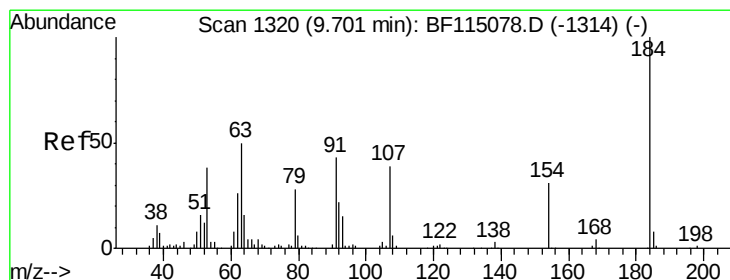
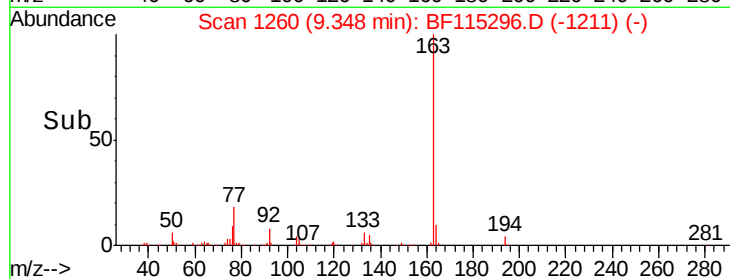
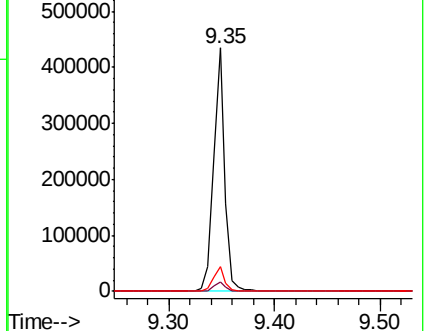
164 10.3 8.6 13.0



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



#54

2,4-Dinitrophenol

Concen: 7.369 ng

RT: 9.95 min Scan# 1362

Delta R.T. 0.26 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

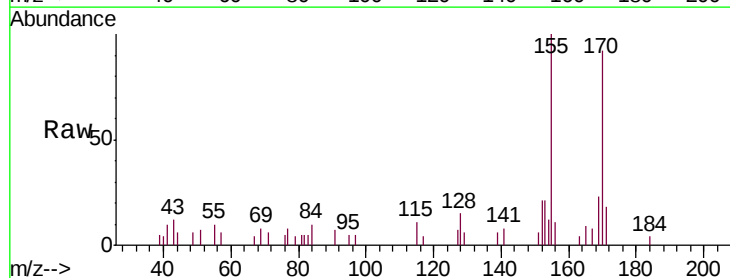
Tgt Ion:184 Resp: 111

Ion Ratio Lower Upper

184 100

63 0.0 41.9 62.9#

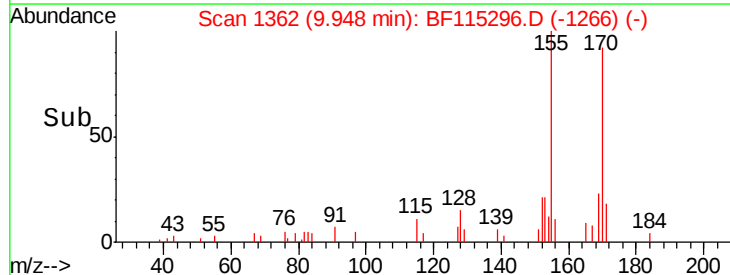
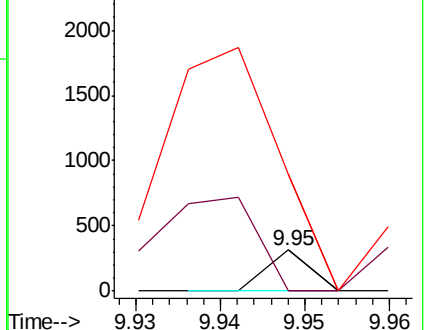
154 283.2 44.7 67.1#

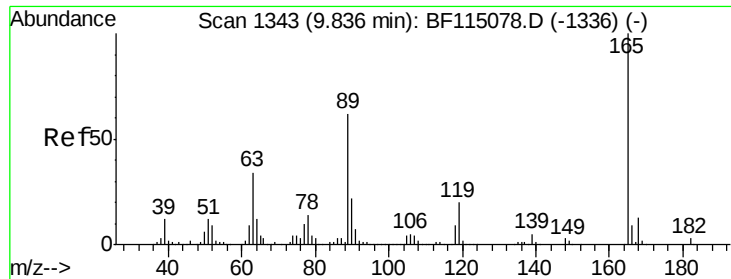


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

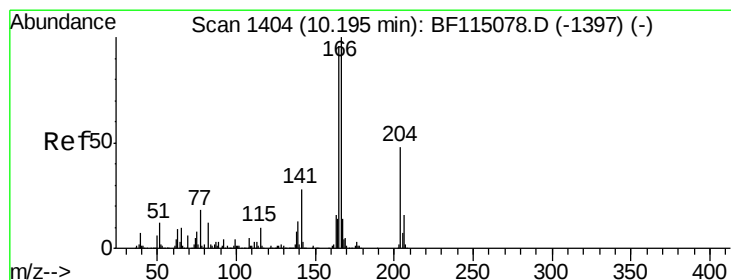
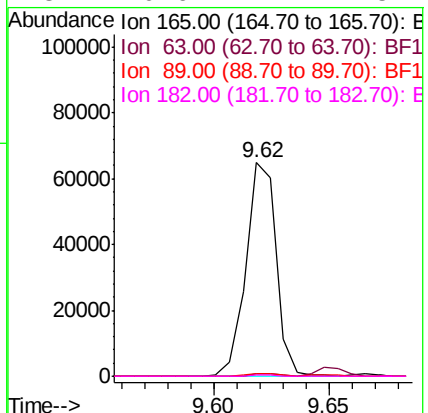
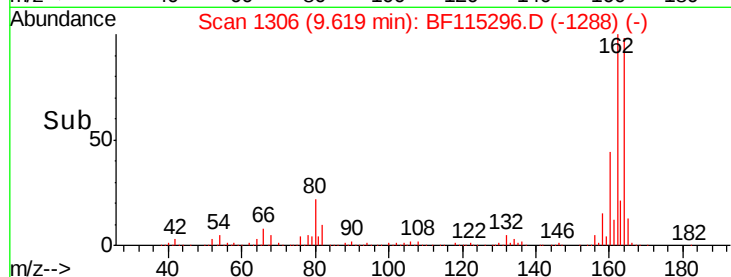
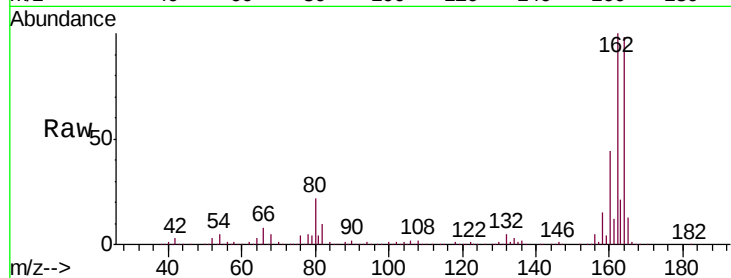




#57
2,4-Dinitrotoluene
Concen: 5.995 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

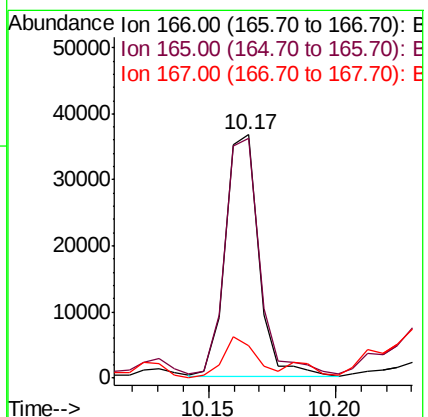
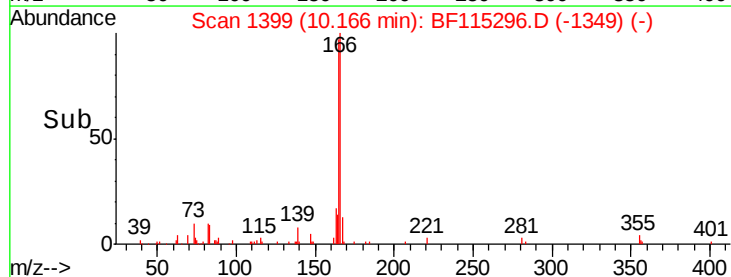
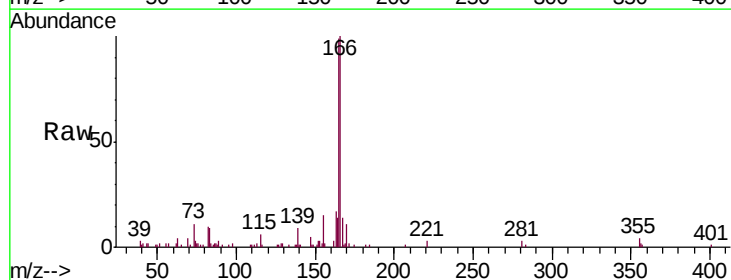
Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

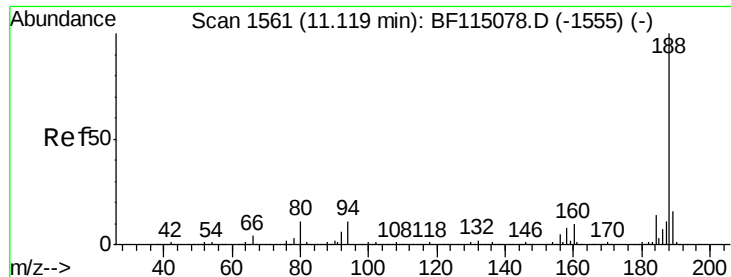
Tgt Ion:	165	Resp:	59517
Ion Ratio	Lower	Upper	
165	100		
63	1.1	27.5	41.3#
89	1.5	49.9	74.9#
182	0.6	2.1	3.1#



#58
Fluorene
Concen: Below Cal
RT: 10.17 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion:	166	Resp:	33307
Ion Ratio	Lower	Upper	
166	100		
165	98.6	76.5	114.7
167	13.5	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

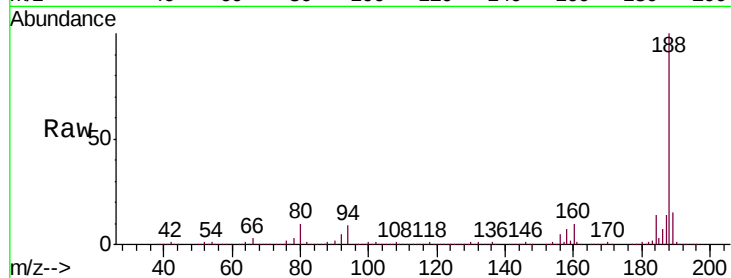
Tgt Ion:188 Resp: 907909

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

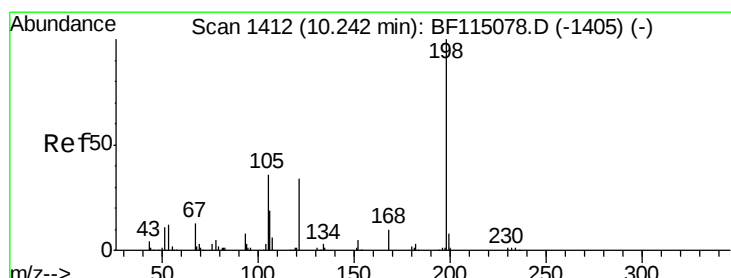
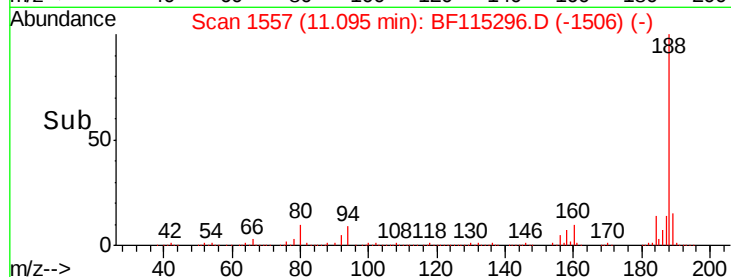
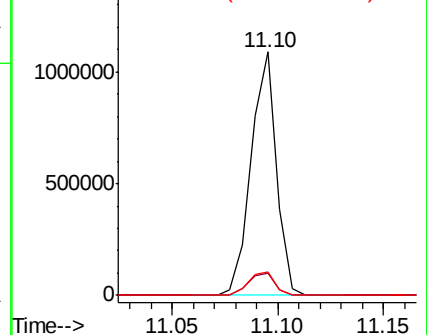
80 9.6 8.8 13.2



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: 5.155 ng

RT: 10.40 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

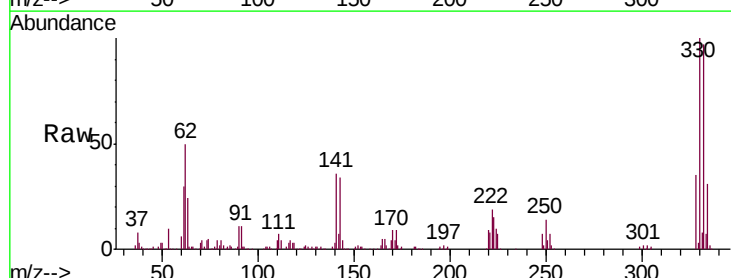
Tgt Ion:198 Resp: 1051

Ion Ratio Lower Upper

198 100

51 172.3 11.0 51.0#

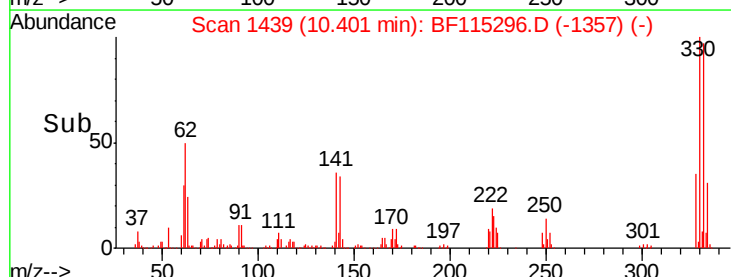
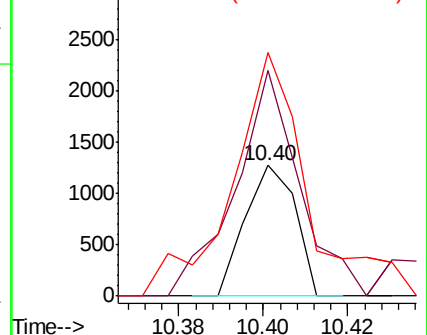
105 186.3 17.3 57.3#

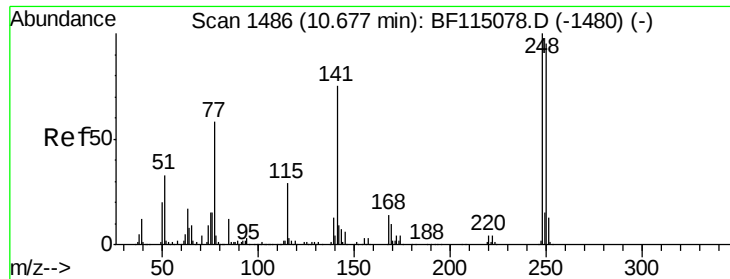


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

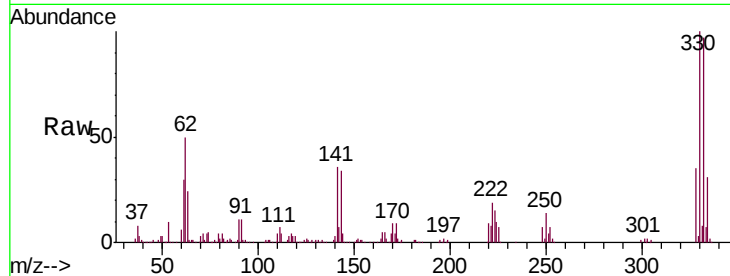




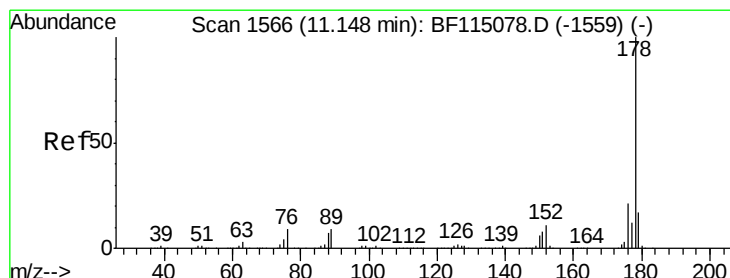
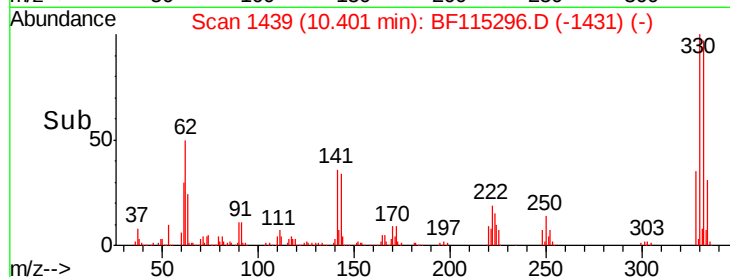
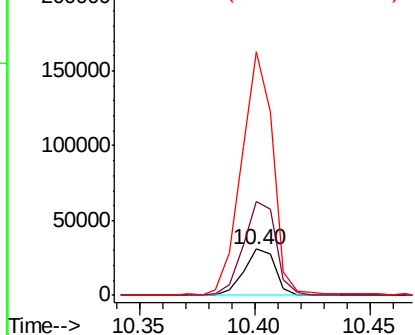
#67
 4-Bromophenyl-phenylether
 Concen: 3.023 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Instrument :
 BNA_F
 ClientSampleId :
 CP-S3-SOIL

Tgt Ion: 248 Resp: 29761
 Ion Ratio Lower Upper
 248 100
 250 203.8 76.2 114.2#
 141 526.8 59.6 89.4#

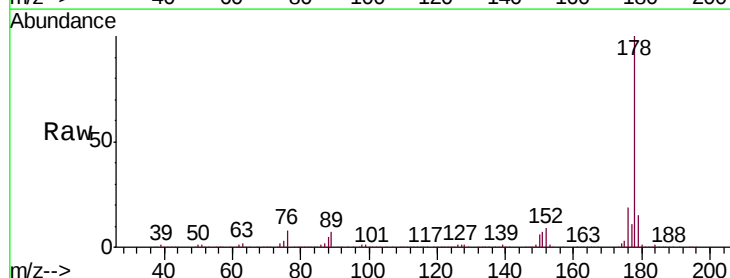


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

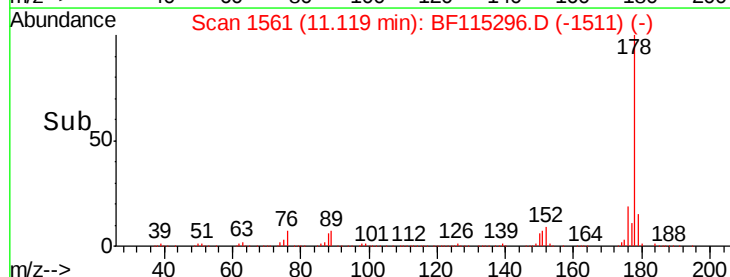
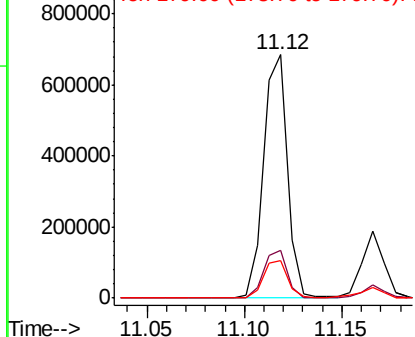


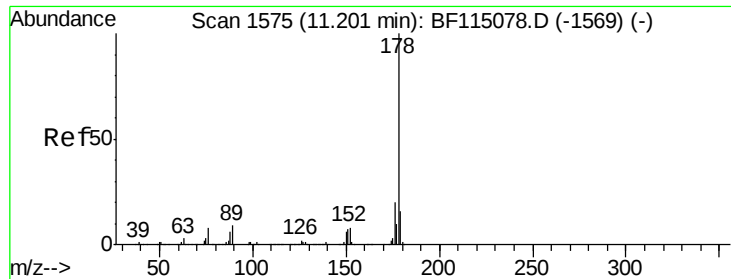
#71
 Phenanthrene
 Concen: 11.871 ng
 RT: 11.12 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Tgt Ion: 178 Resp: 580283
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.9 25.3
 179 15.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.895 ng

RT: 11.17 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

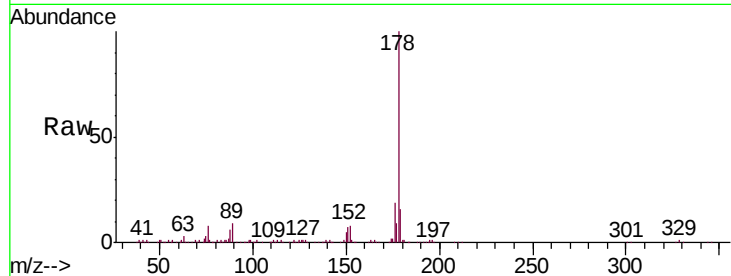
Tgt Ion:178 Resp: 142872

Ion Ratio Lower Upper

178 100

176 19.2 16.1 24.1

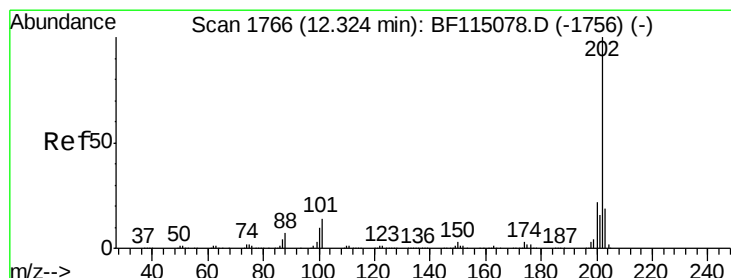
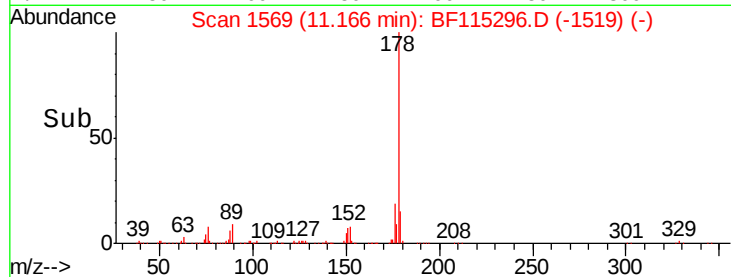
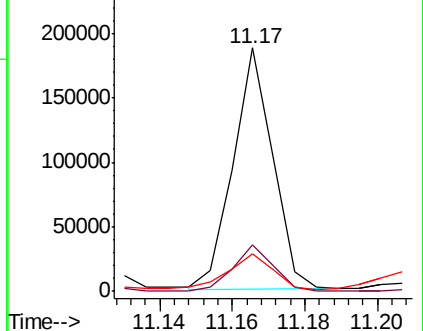
179 15.6 12.9 19.3



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



#75

Fluoranthene

Concen: 20.549 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

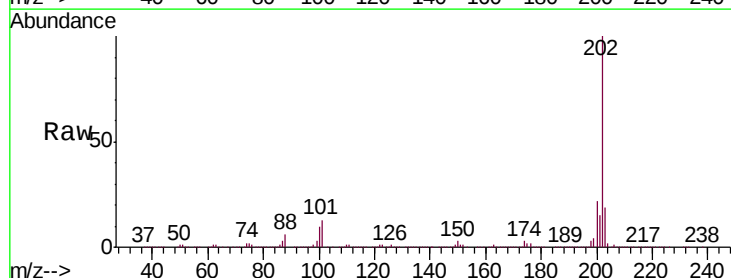
Tgt Ion:202 Resp: 1002255

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.0

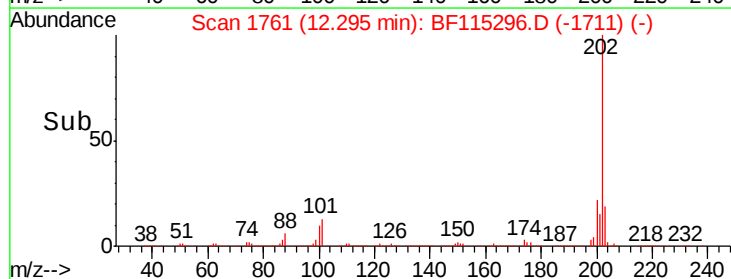
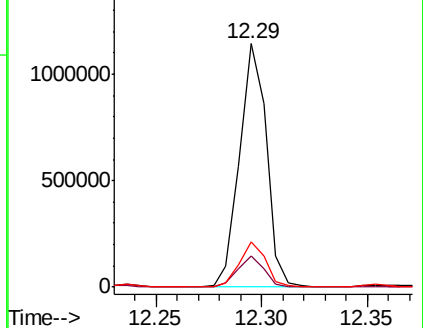
203 18.7 0.0 38.8

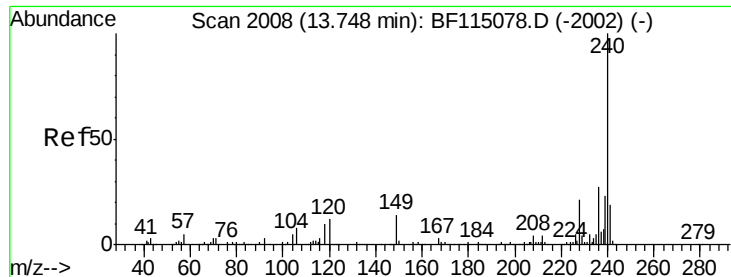


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

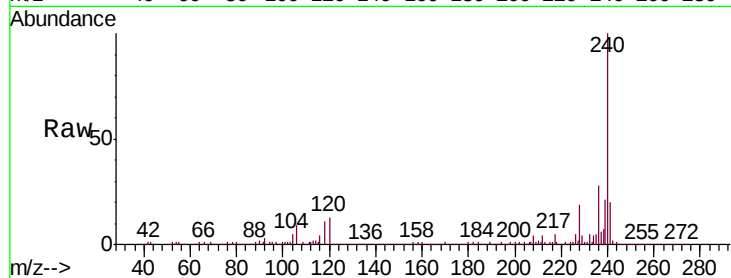
Tgt Ion:240 Resp: 717224

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

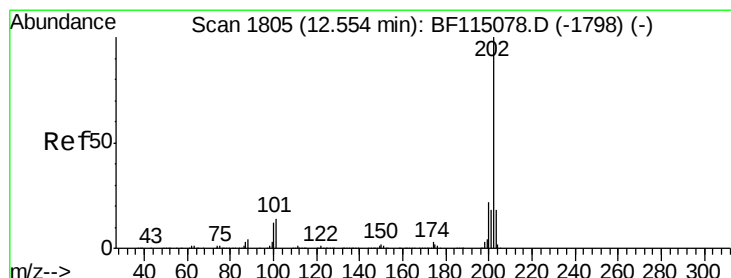
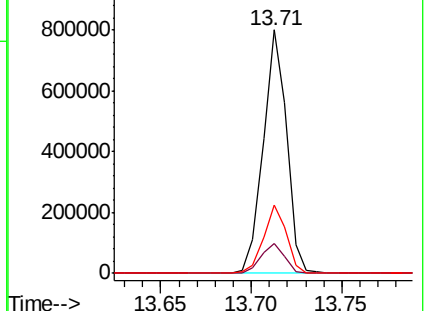
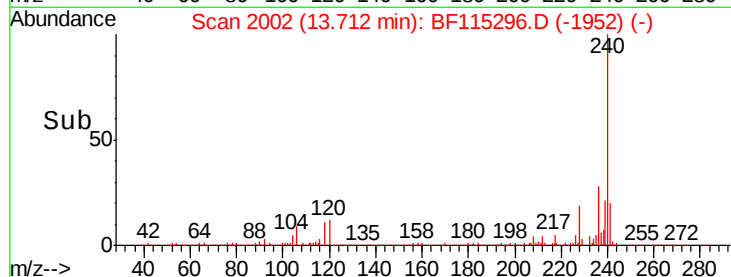
236 27.9 21.7 32.5



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: 22.390 ng

RT: 12.52 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

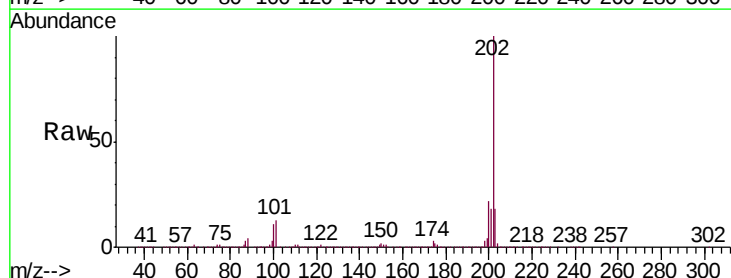
Tgt Ion:202 Resp: 1234119

Ion Ratio Lower Upper

202 100

200 22.1 17.9 26.9

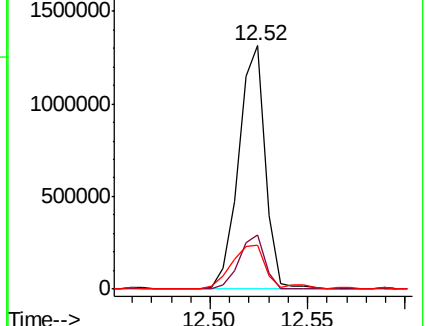
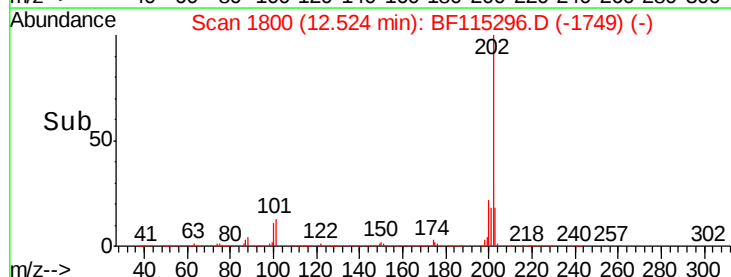
203 18.3 14.6 21.8

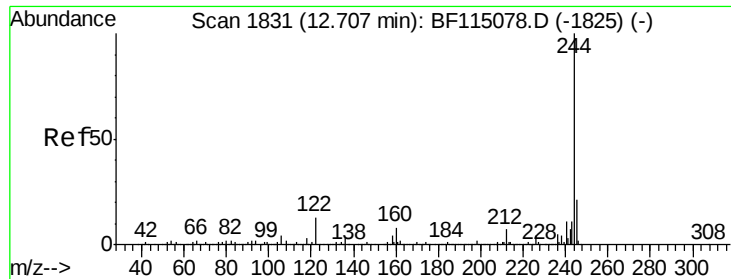


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.934 ng

RT: 12.68 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampled :

CP-S3-SOIL

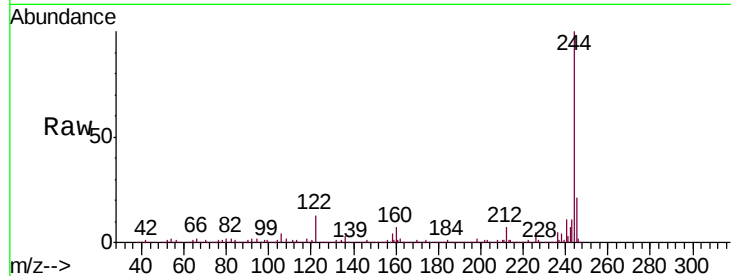
Tgt Ion:244 Resp: 2122960

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

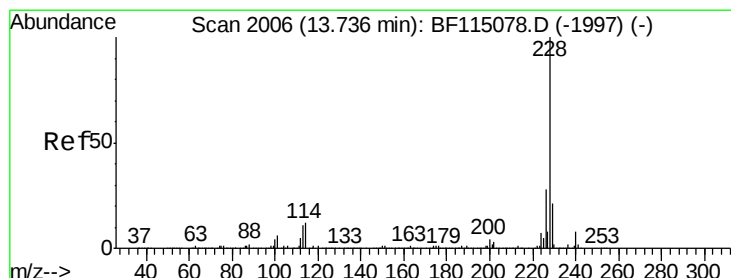
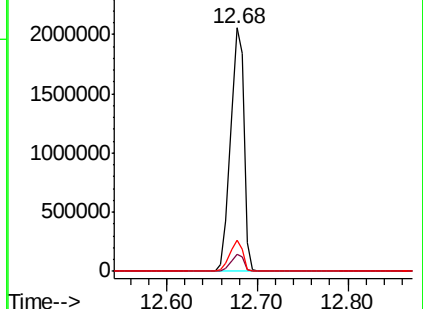
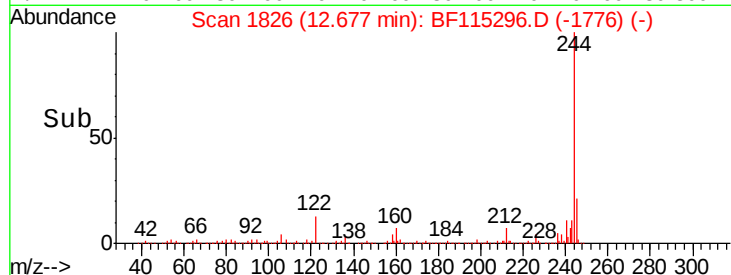
122 12.7 10.4 15.6



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: 11.477 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

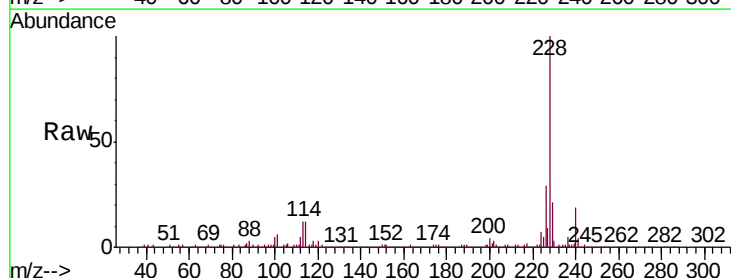
Tgt Ion:228 Resp: 590629

Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

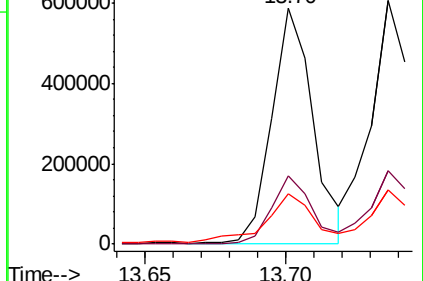
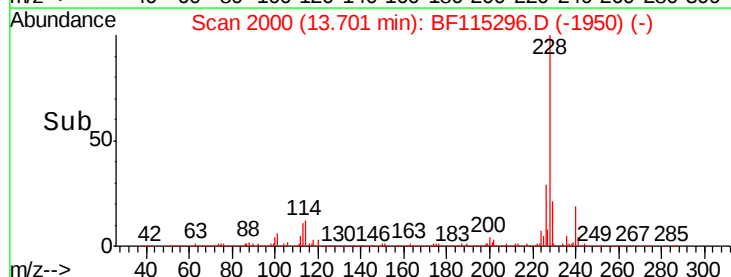
229 21.2 16.6 24.8

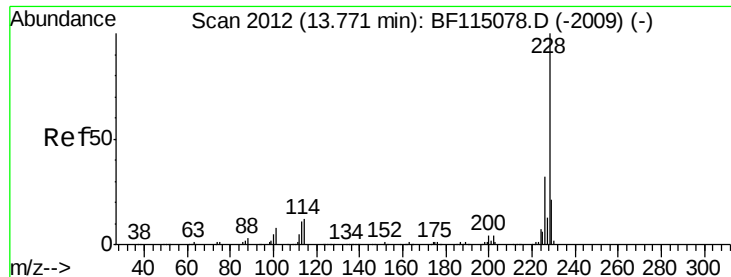


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 12.091 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

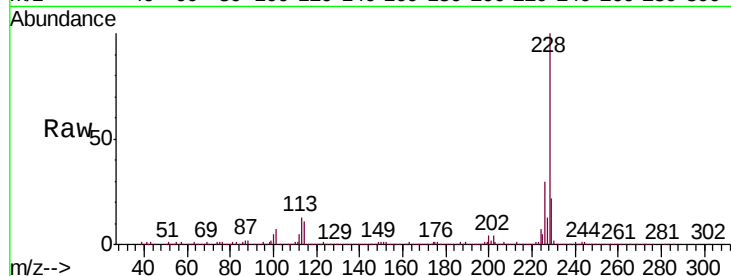
Tgt Ion:228 Resp: 569965

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

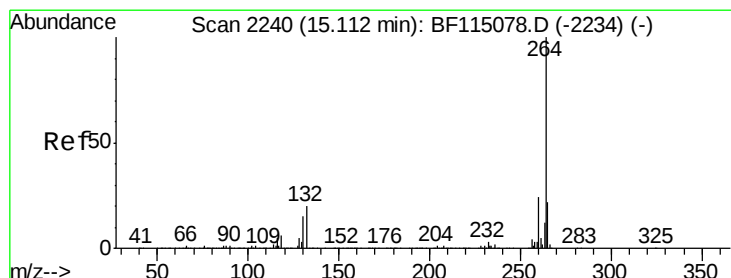
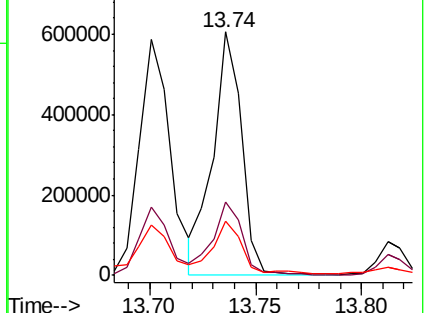
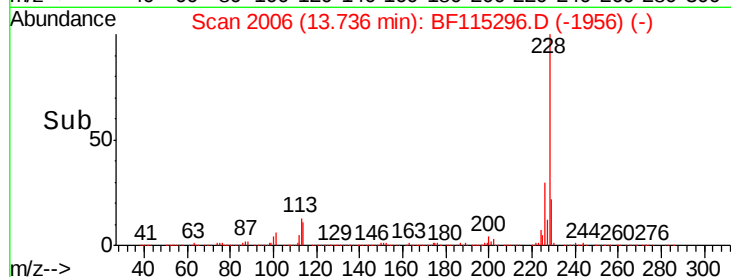
229 22.4 16.5 24.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

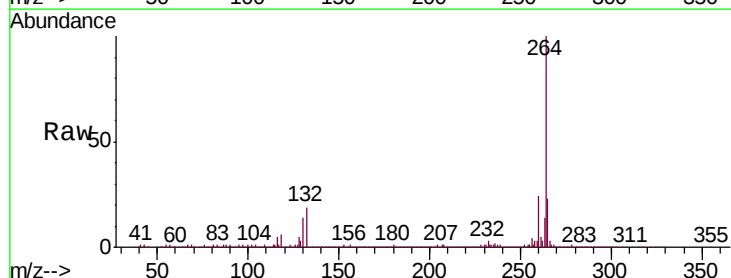
Tgt Ion:264 Resp: 751165

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

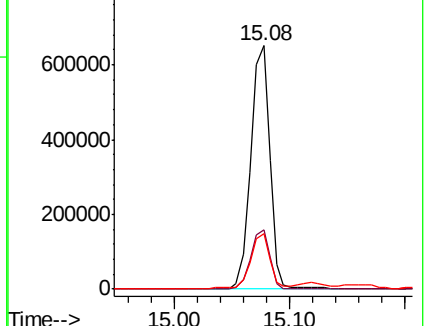
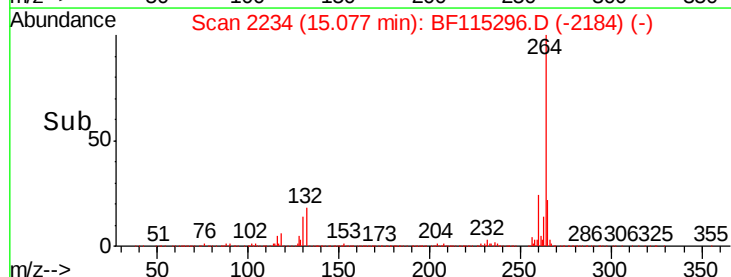
265 22.6 17.3 25.9

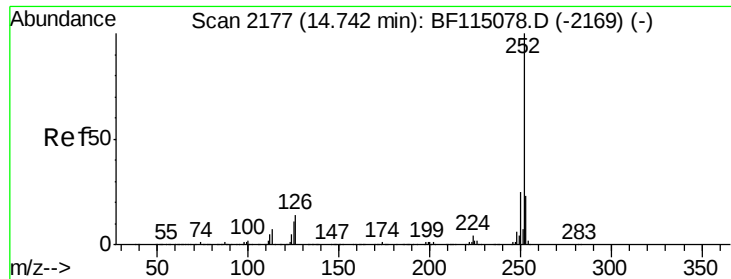


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

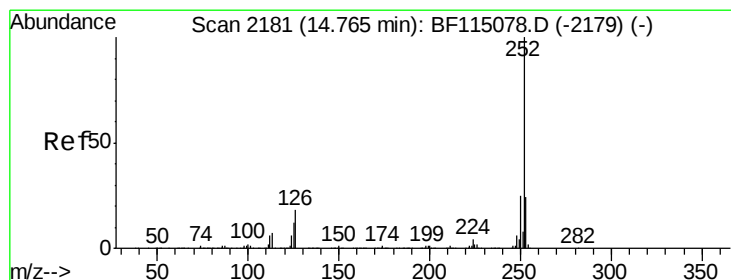
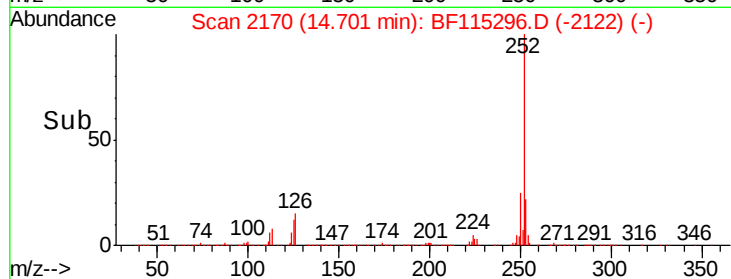
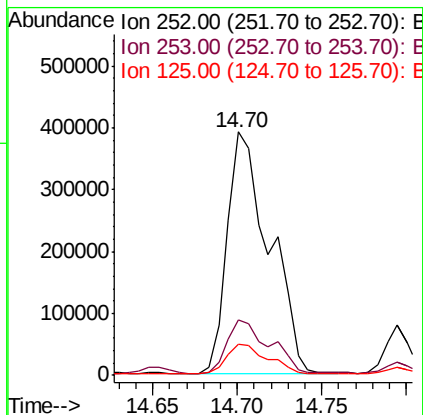
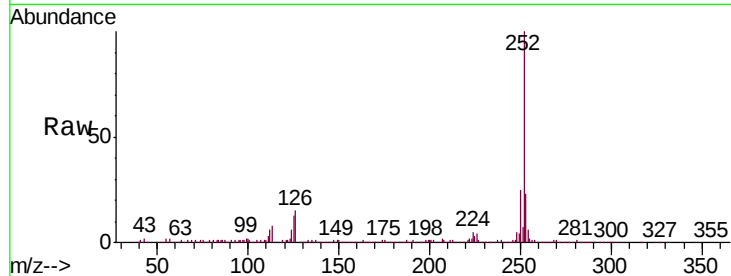




#88
Benzo(b)fluoranthene
Concen: 14.482 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

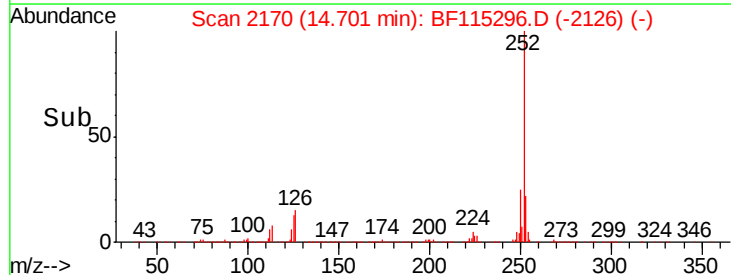
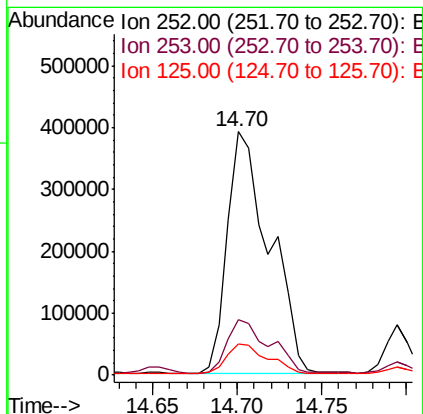
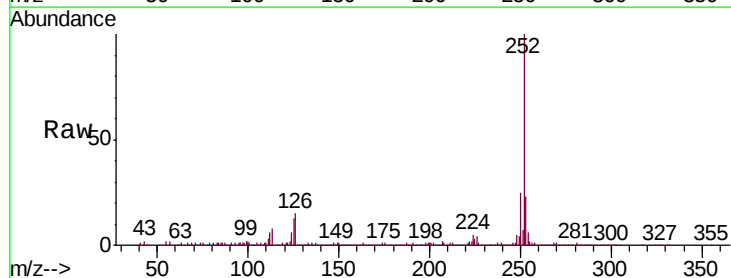
Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

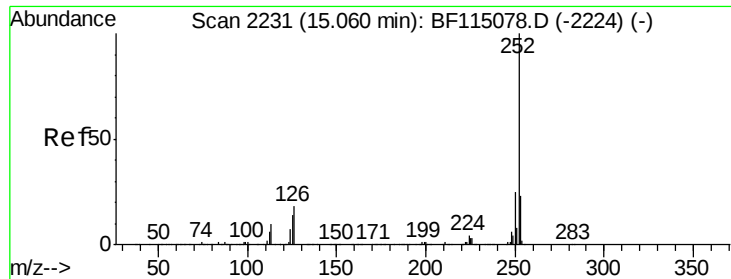
Tgt Ion:252 Resp: 678758
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 13.0 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 16.148 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion:252 Resp: 678758
Ion Ratio Lower Upper
252 100
253 23.0 18.9 28.3
125 13.0 10.2 15.2

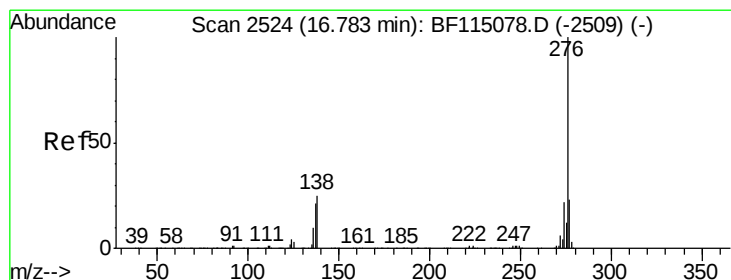
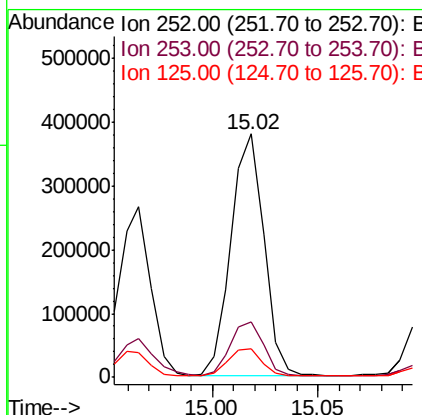
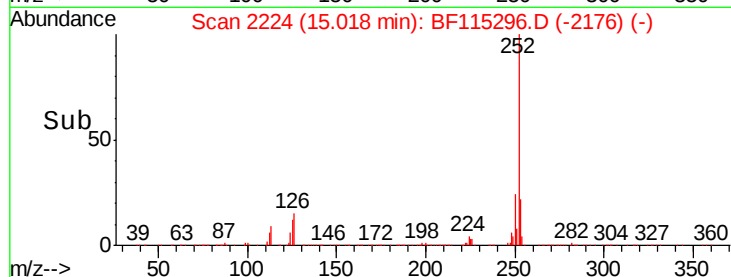
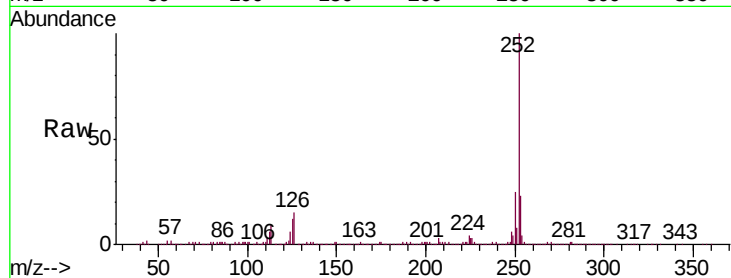




#90
Benzo(a)pyrene
Concen: 9.774 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tgt Ion: 252 Resp: 412895
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.9 10.9 16.3



#92
Benzo(g,h,i)perylene
Concen: 5.087 ng
RT: 16.70 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion: 276 Resp: 203059
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 24.7 19.8 29.6

