

Data File : BF115297.D
Acq On : 28 Jun 2019 22:22
Operator : HP/JU
Sample : K3518-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Quant Time: Jun 29 02:39:02 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	265677	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1001764	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	505479	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	985712	20.00	ng	0.00
76) Chrysene-d12	13.71	240	764323	20.00	ng	0.00
87) Perylene-d12	15.08	264	775076	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1589829	92.34	ng	0.00
7) Phenol-d6	6.24	99	1977767	94.65	ng	0.00
23) Nitrobenzene-d5	7.16	82	1201158	73.76	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	573184	107.53	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	2156356	72.46	ng	0.00
79) Terphenyl-d14	12.68	244	2404843	66.90	ng	0.00

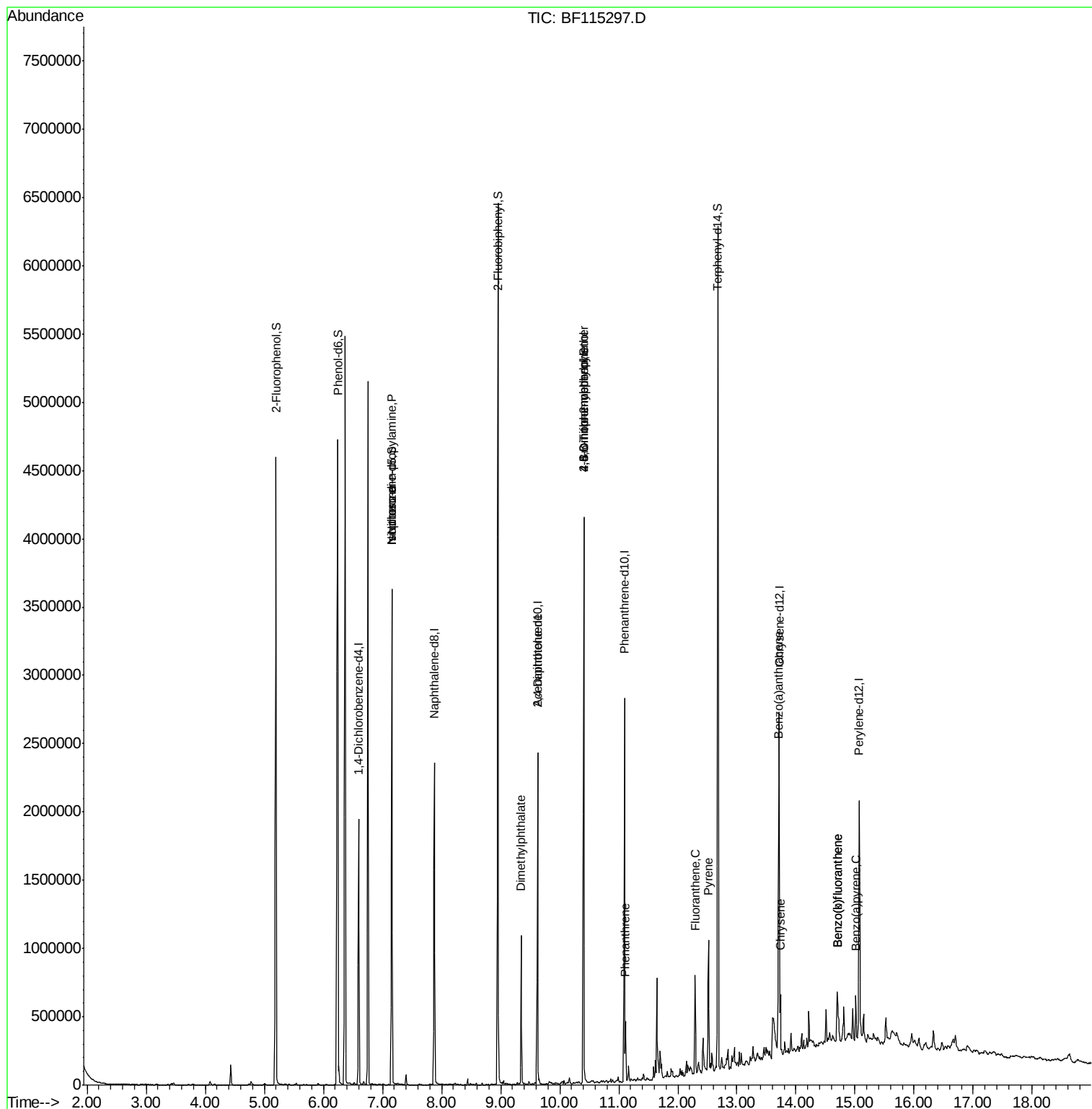
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.16	70	160291	11.982	ng	# 76
25) Isophorone	7.16	82	1191521	35.717	ng	# 63
50) Dimethylphthalate	9.35	163	406413	10.928	ng	99
57) 2,4-Dinitrotoluene	9.62	165	64980	5.861	ng	# 30
58) Fluorene	10.17	166	7996	Below Cal		# 94
65) 4,6-Dinitro-2-methylphenol	10.40	198	1198	5.165	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	36107	3.379	ng	# 1
71) Phenanthrene	11.11	178	147863	2.786	ng	97
75) Fluoranthene	12.29	202	285910	5.399	ng	94
78) Pyrene	12.52	202	336181	5.723	ng	98
81) Benzo(a)anthracene	13.70	228	160091	2.919	ng	98
83) Chrysene	13.74	228	172918	3.442	ng	97
88) Benzo(b)fluoranthene	14.70	252	248606	5.140	ng	98
89) Benzo(k)fluoranthene	14.70	252	248606	5.732	ng	99
90) Benzo(a)pyrene	15.01	252	148678	3.411	ng	99

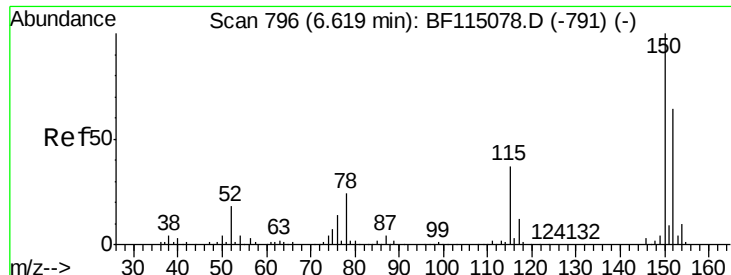
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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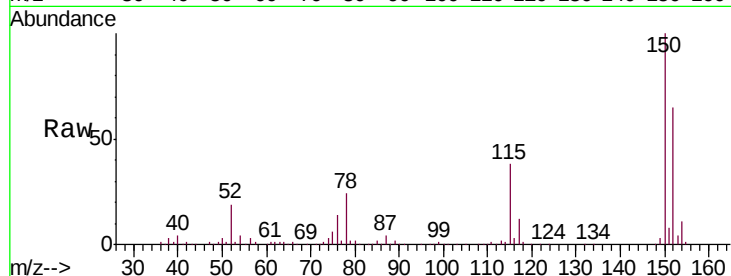




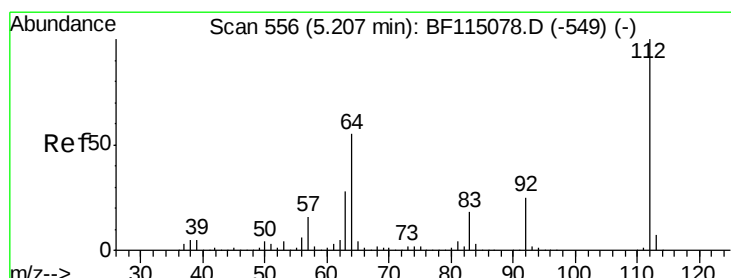
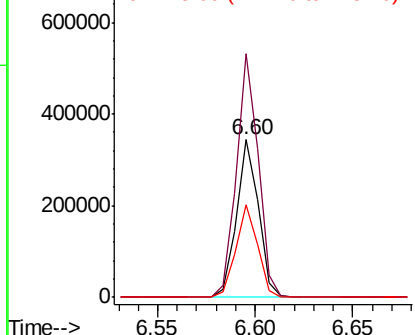
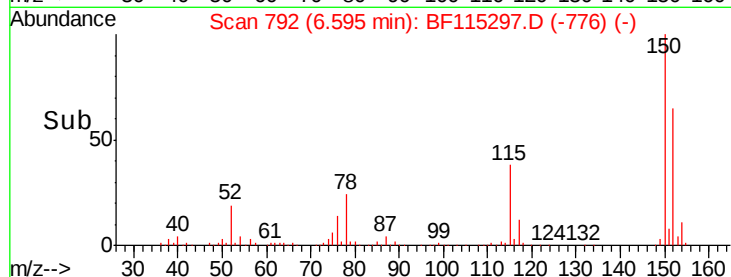
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 CP-S2-SOIL

Tgt Ion:152 Resp: 265677
 Ion Ratio Lower Upper
 152 100
 150 154.5 124.2 186.2
 115 59.1 46.1 69.1

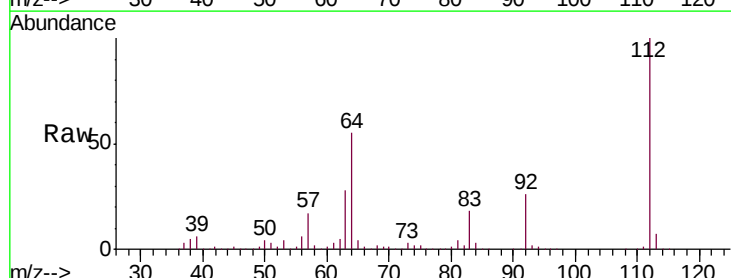


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

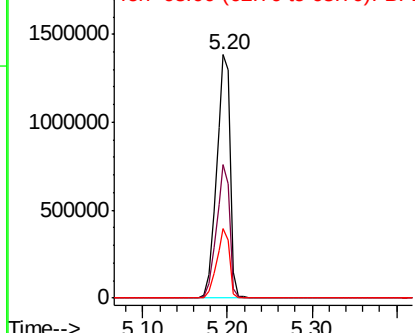
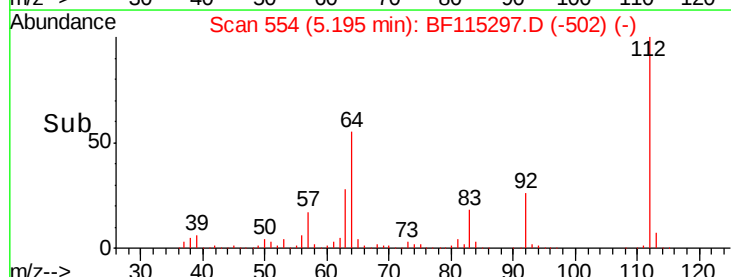


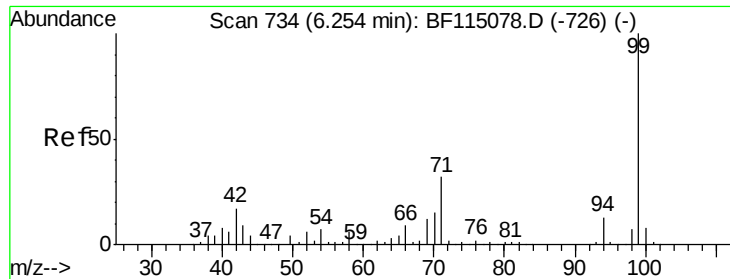
#5
 2-Fluorophenol
 Concen: 92.344 ng
 RT: 5.20 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Tgt Ion:112 Resp: 1589829
 Ion Ratio Lower Upper
 112 100
 64 54.8 43.8 65.6
 63 28.5 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: 94.646 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

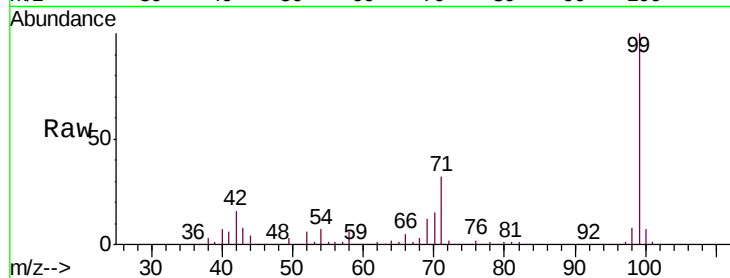
Tgt Ion: 99 Resp: 1977767

Ion Ratio Lower Upper

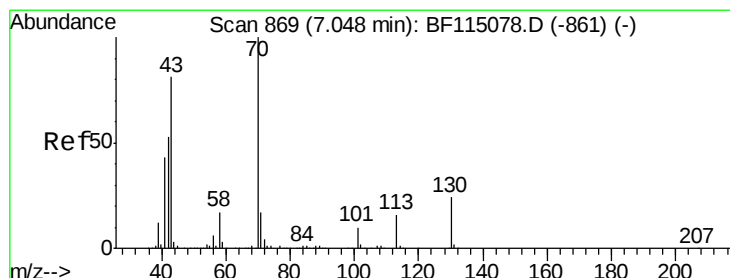
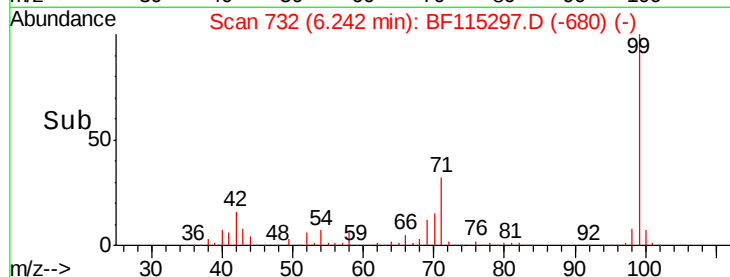
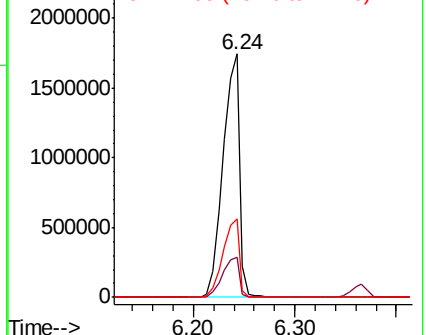
99 100

42 16.4 13.6 20.4

71 32.3 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: 11.982 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Tgt Ion: 70 Resp: 160291

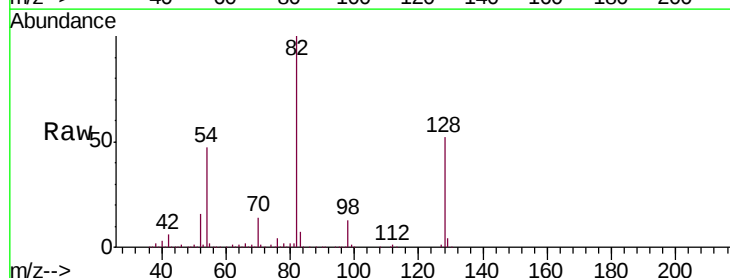
Ion Ratio Lower Upper

70 100

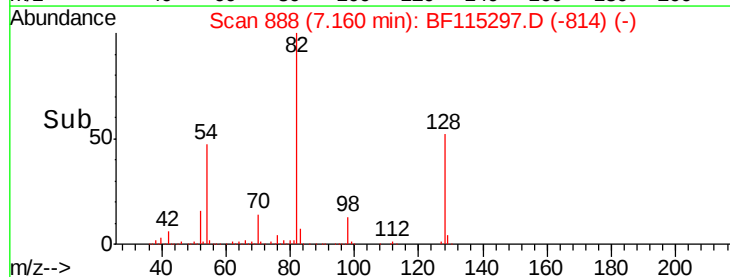
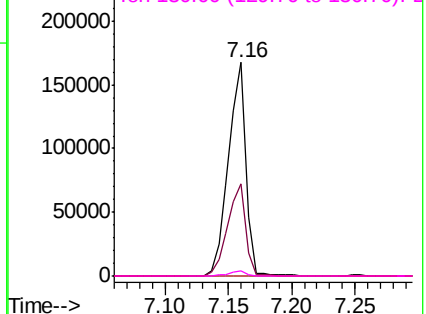
42 43.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.6 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

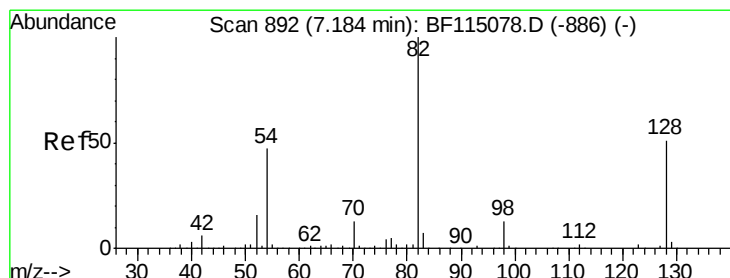
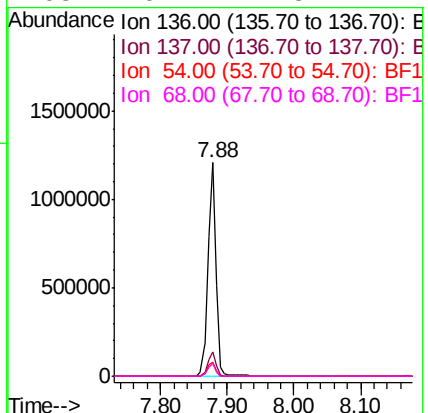
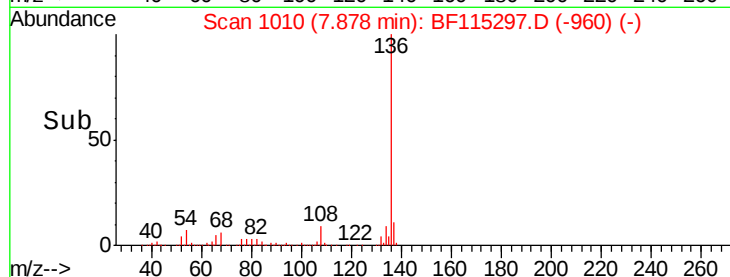
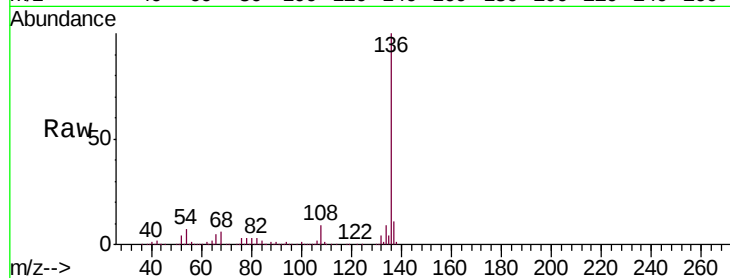




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

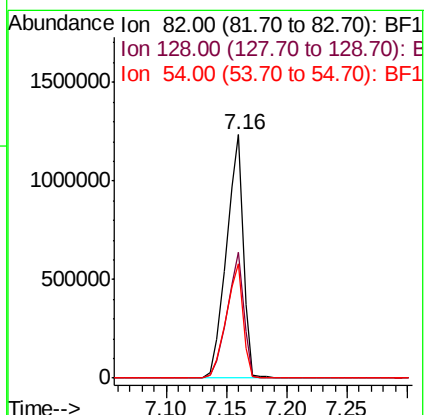
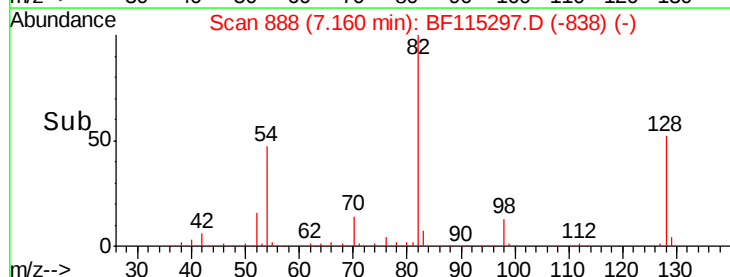
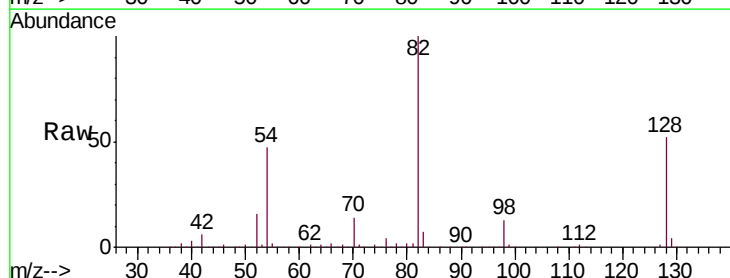
Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tgt Ion:136 Resp: 1001764
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 6.9 5.6 8.4
68 6.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 73.760 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion: 82 Resp: 1201158
Ion Ratio Lower Upper
82 100
128 51.5 40.4 60.6
54 47.0 37.5 56.3





#25

Isophorone

Concen: 35.717 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

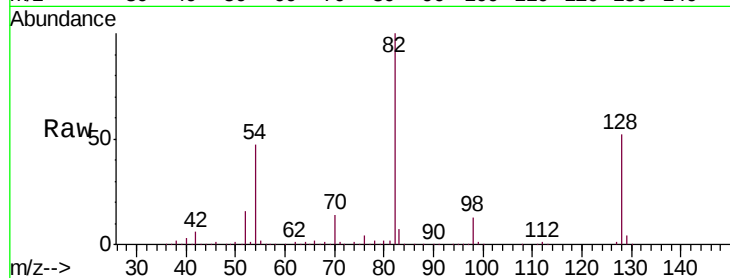
Tgt Ion: 82 Resp: 1191521

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

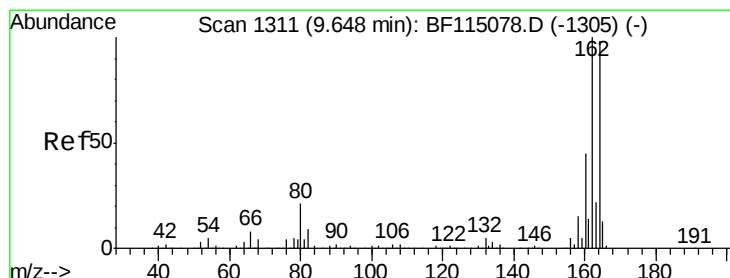
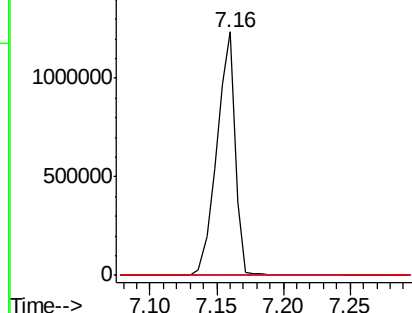
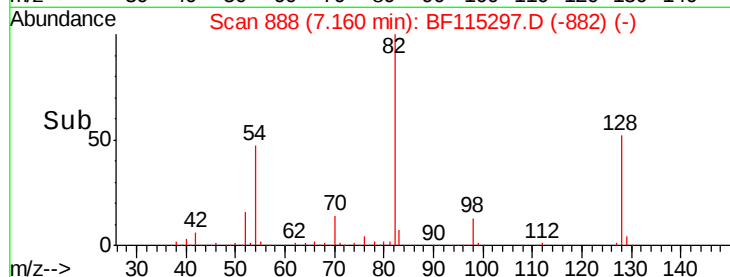
138 0.0 15.9 23.9#



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# 1307

Delta R.T. 0.00 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

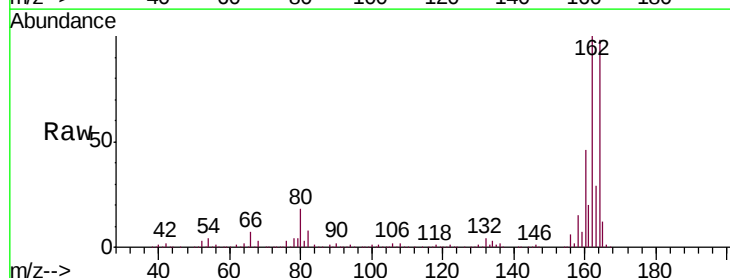
Tgt Ion: 164 Resp: 505479

Ion Ratio Lower Upper

164 100

162 102.4 81.7 122.5

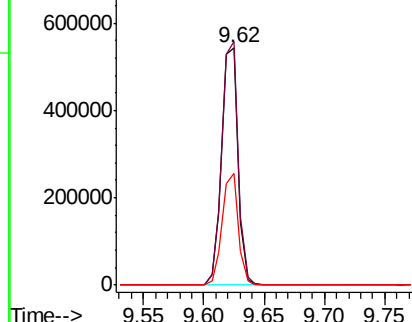
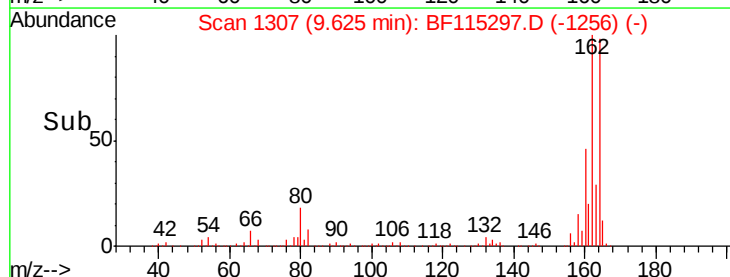
160 46.8 37.0 55.4

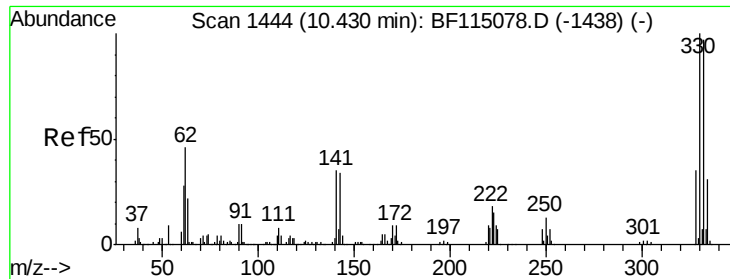


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

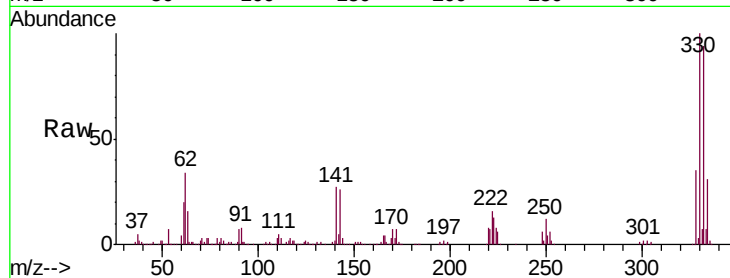




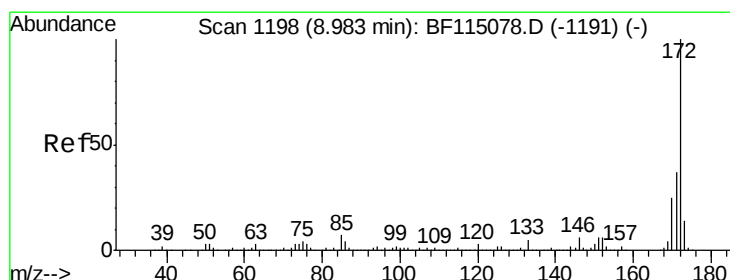
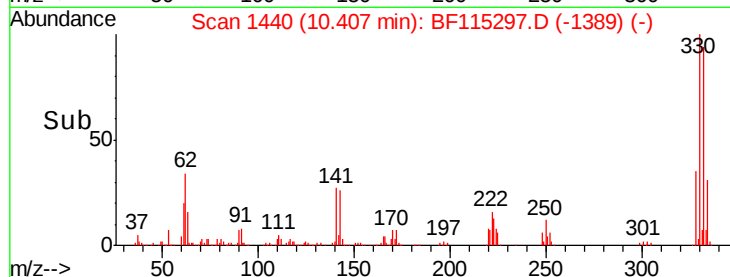
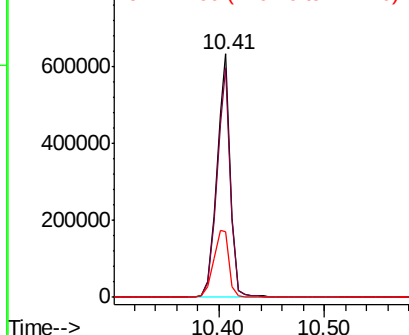
#42
 2,4,6-Tribromophenol
 Concen: 107.530 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 CP-S2-SOIL

Tgt Ion:330 Resp: 573184
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.3 115.9
 141 31.9 28.2 42.2

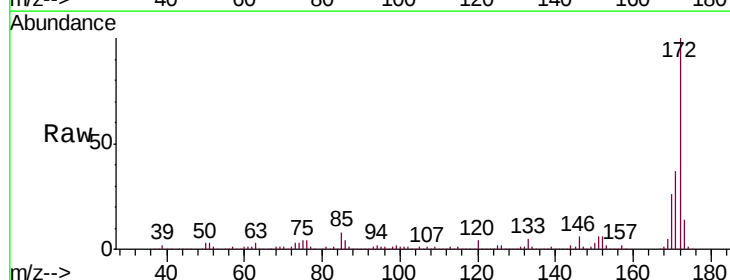


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

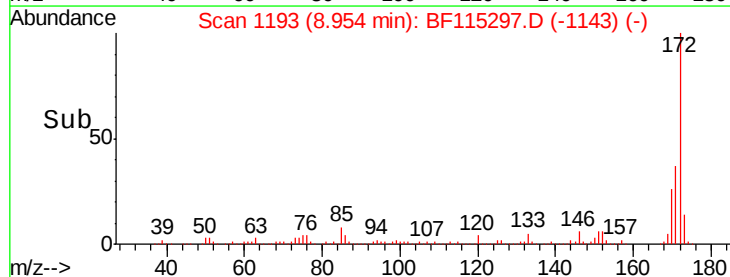
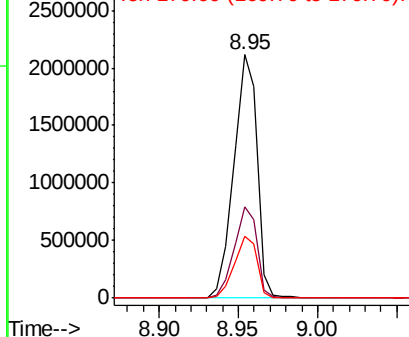


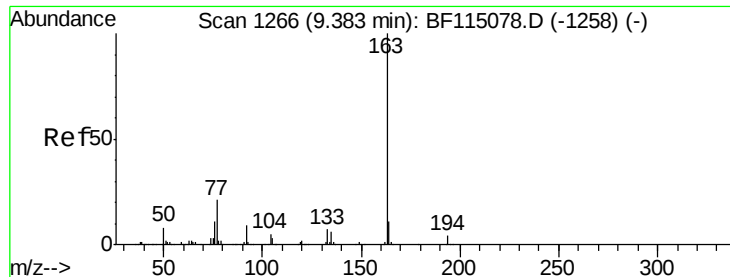
#45
 2-Fluorobiphenyl
 Concen: 72.463 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Tgt Ion:172 Resp: 2156356
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.6
 170 25.7 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

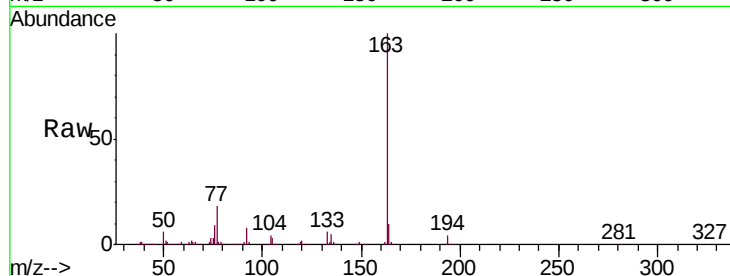




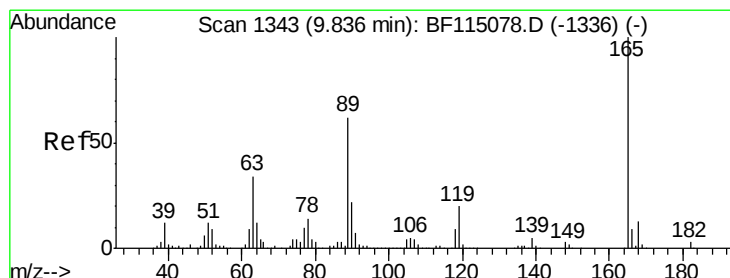
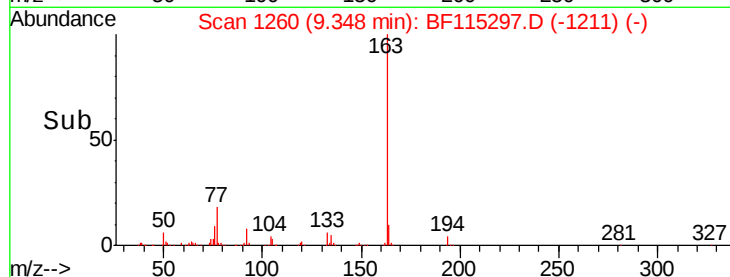
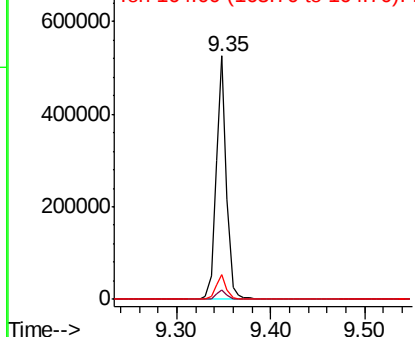
#50
Dimethylphthalate
Concen: 10.928 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
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Acq: 28 Jun 2019 22:22

Instrument :
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CP-S2-SOIL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.6	13.0

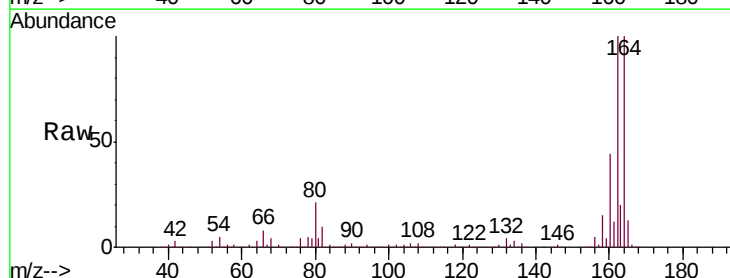


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

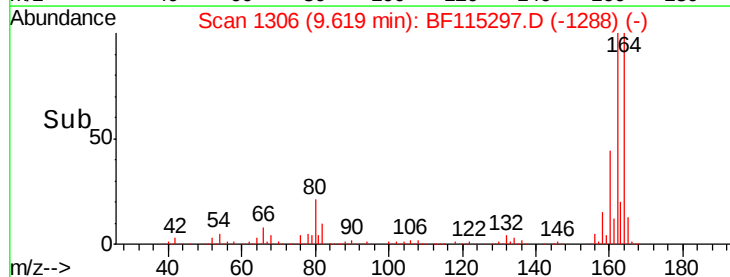
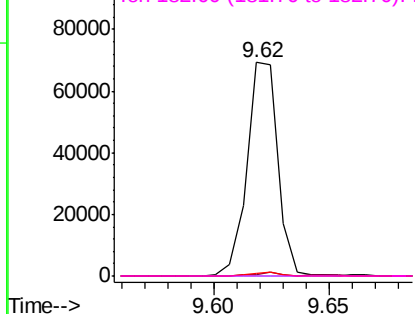


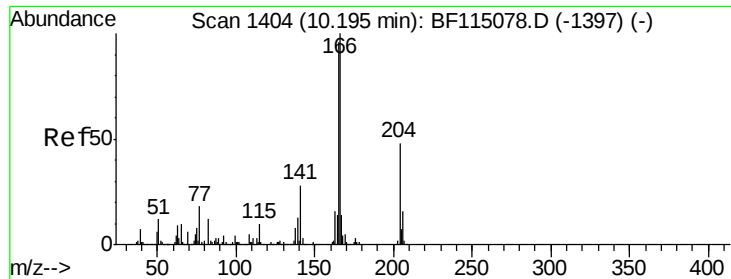
#57
2,4-Dinitrotoluene
Concen: 5.861 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	27.5	41.3#
89	1.4	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: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampled :

CP-S2-SOIL

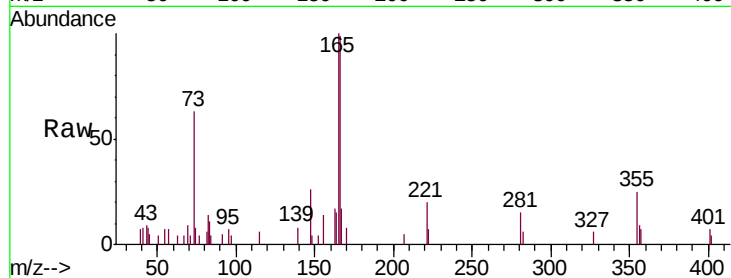
Tgt Ion:166 Resp: 7996

Ion Ratio Lower Upper

166 100

165 101.4 76.5 114.7

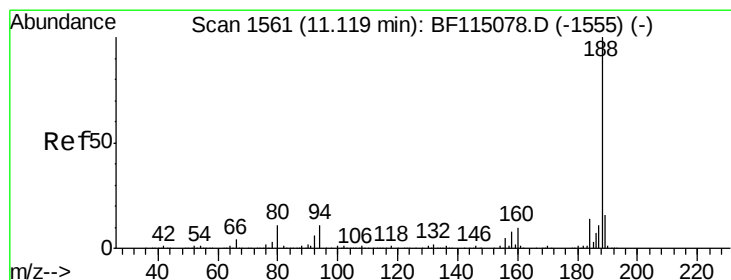
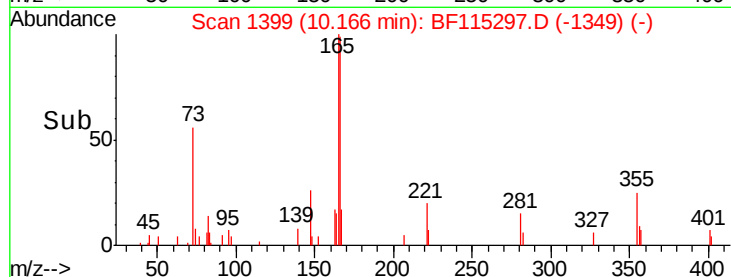
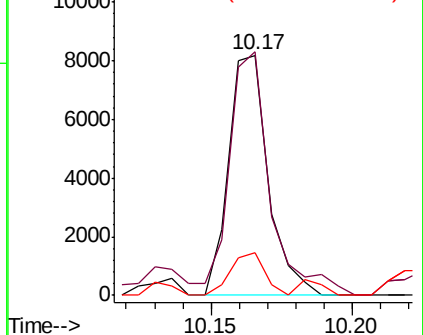
167 17.7 11.0 16.4#



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: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

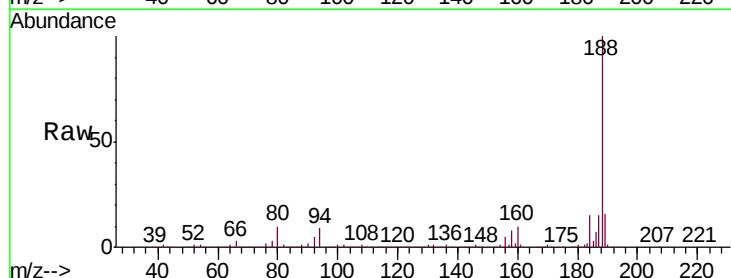
Tgt Ion:188 Resp: 985712

Ion Ratio Lower Upper

188 100

94 9.2 8.6 12.8

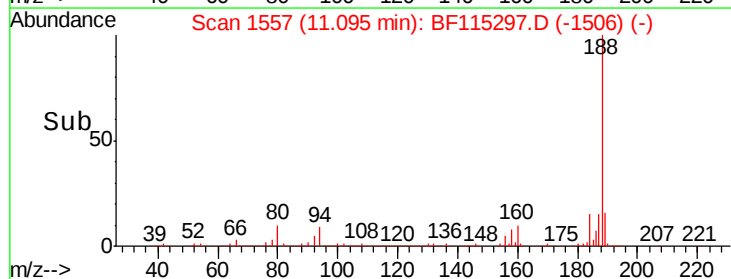
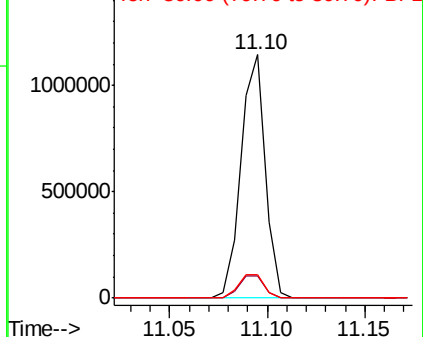
80 9.7 8.8 13.2

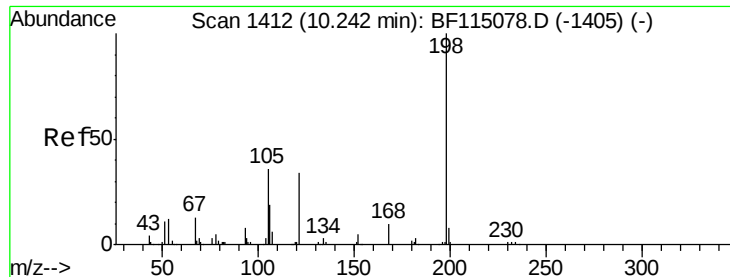


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.165 ng

RT: 10.40 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

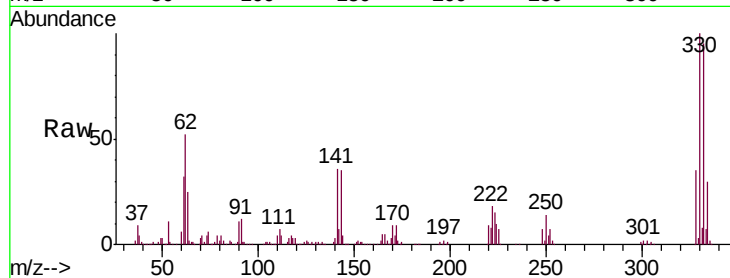
Tgt Ion:198 Resp: 1198

Ion Ratio Lower Upper

198 100

51 161.1 11.0 51.0#

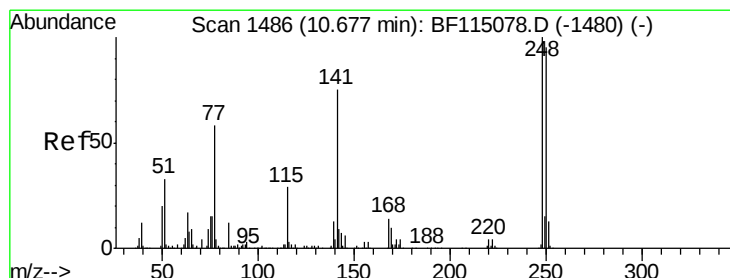
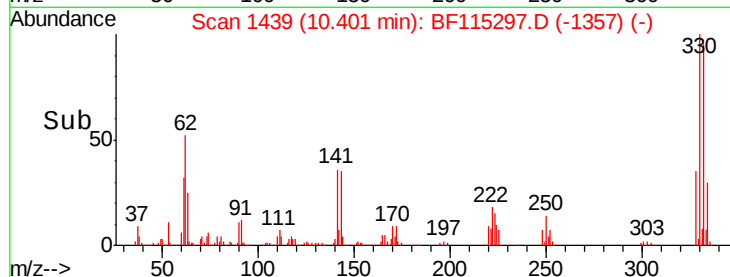
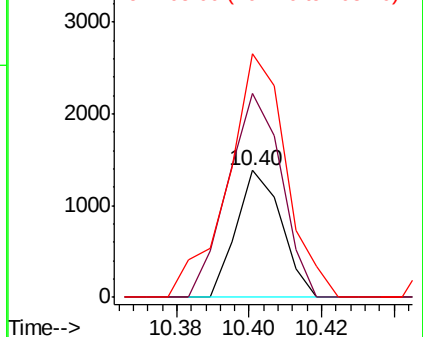
105 192.5 17.3 57.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.379 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

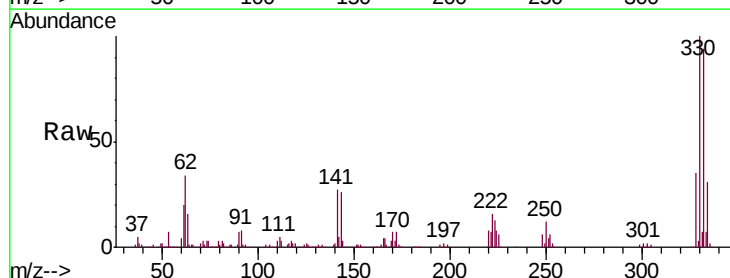
Tgt Ion:248 Resp: 36107

Ion Ratio Lower Upper

248 100

250 193.2 76.2 114.2#

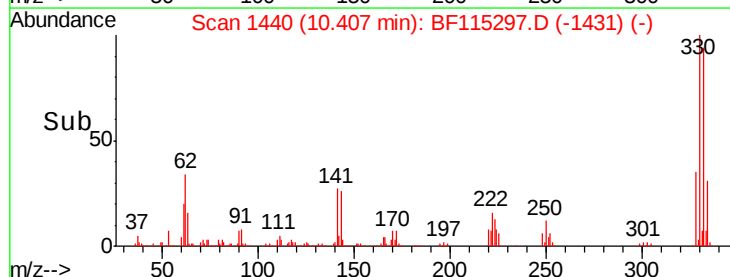
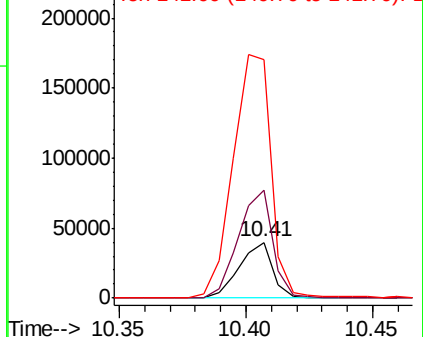
141 427.2 59.6 89.4#

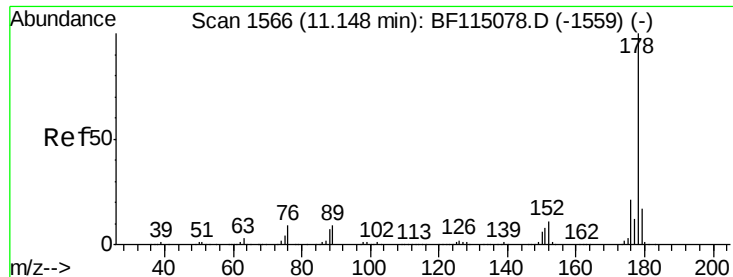


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

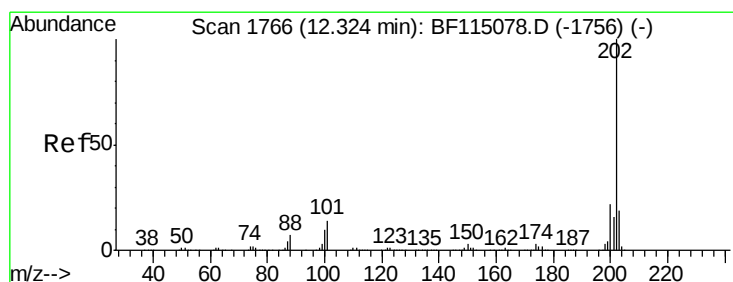
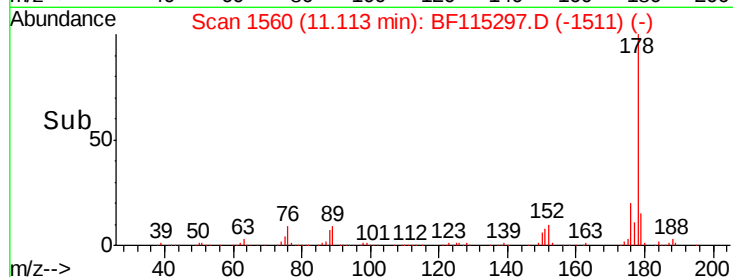
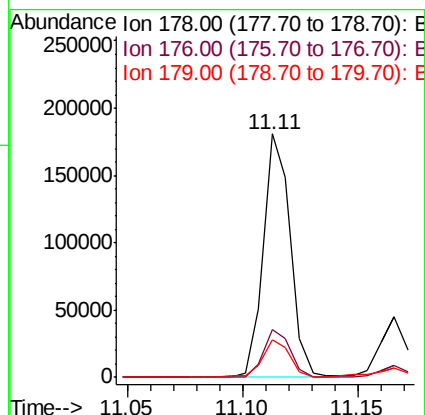
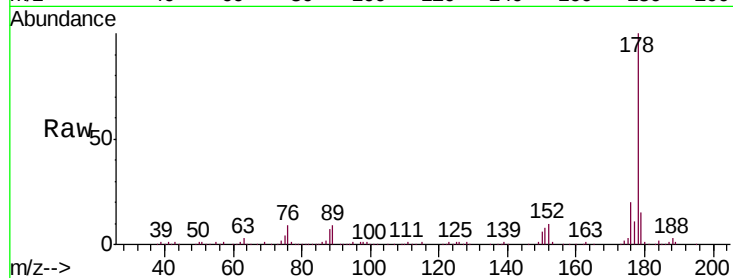




#71
Phenanthrene
Concen: 2.786 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

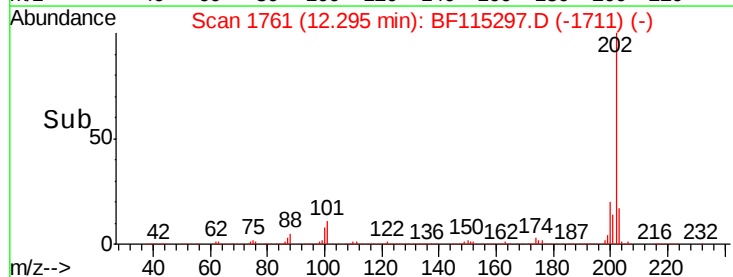
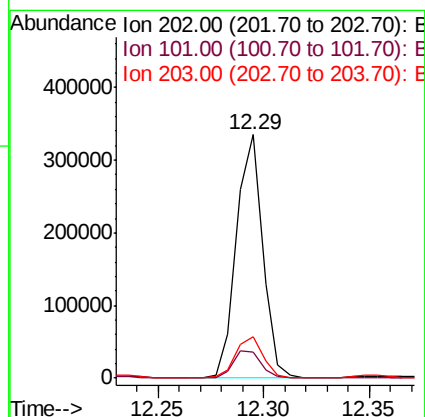
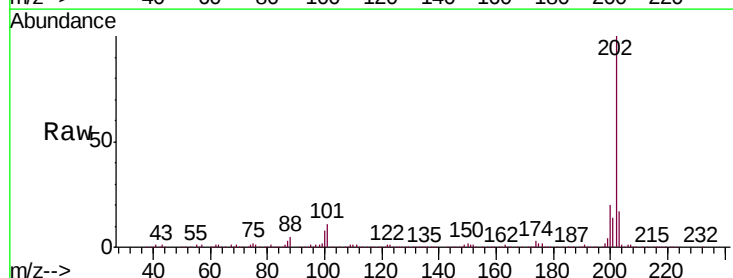
Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

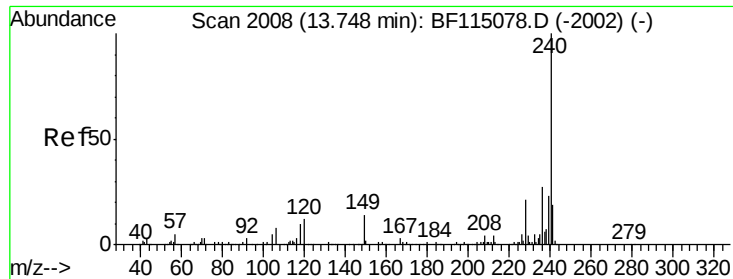
Tgt Ion:178 Resp: 147863
Ion Ratio Lower Upper
178 100
176 19.5 16.9 25.3
179 15.4 13.2 19.8



#75
Fluoranthene
Concen: 5.399 ng
RT: 12.29 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion:202 Resp: 285910
Ion Ratio Lower Upper
202 100
101 10.7 0.0 34.0
203 16.8 0.0 38.8

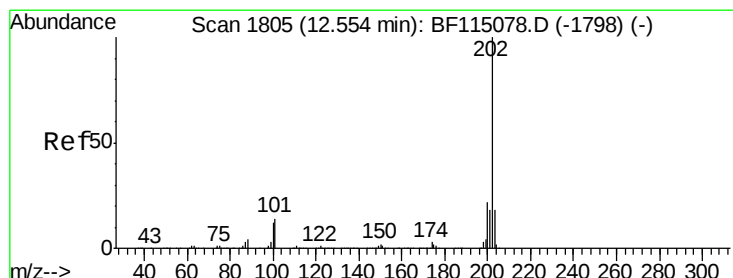
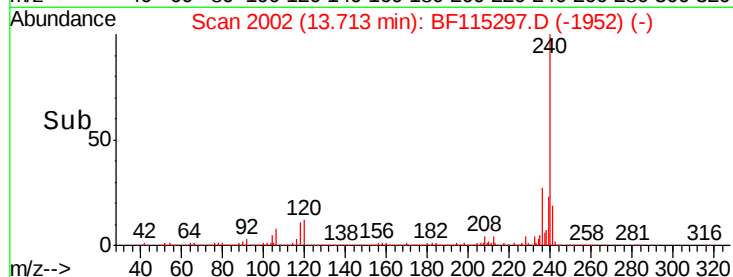
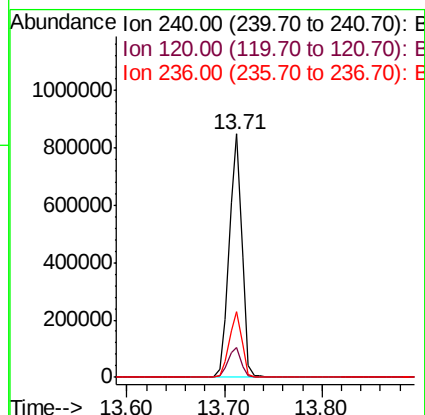
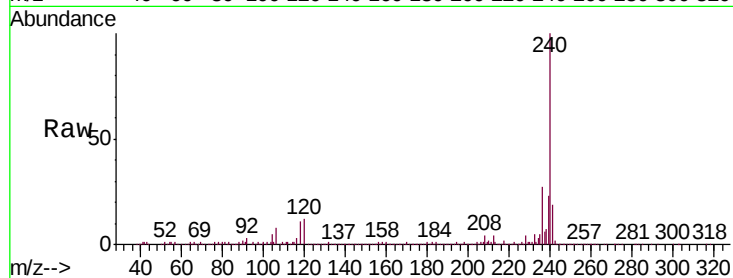




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

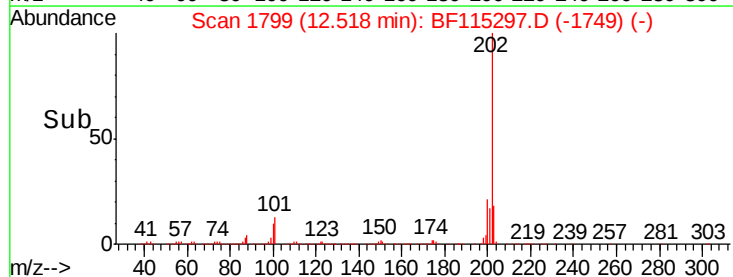
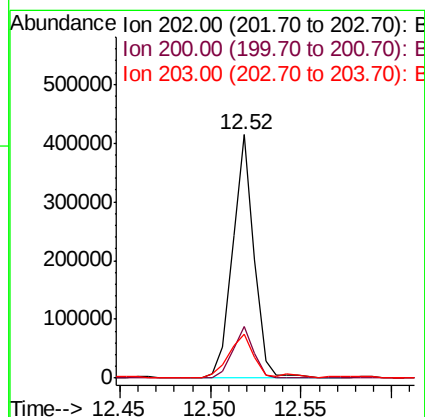
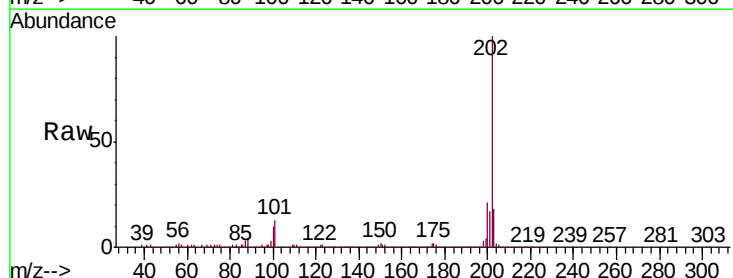
Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

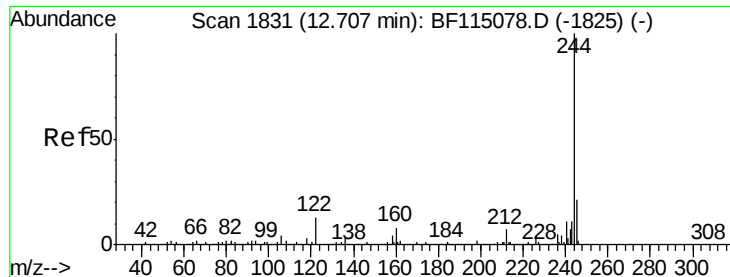
Tgt Ion:240 Resp: 764323
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 27.3 21.7 32.5



#78
Pyrene
Concen: 5.723 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion:202 Resp: 336181
Ion Ratio Lower Upper
202 100
200 21.1 17.9 26.9
203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 66.897 ng

RT: 12.68 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

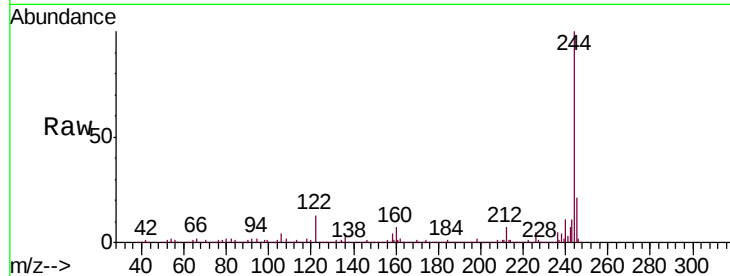
Tgt Ion:244 Resp: 2404843

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

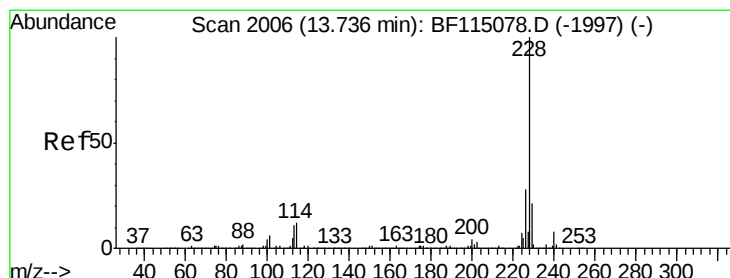
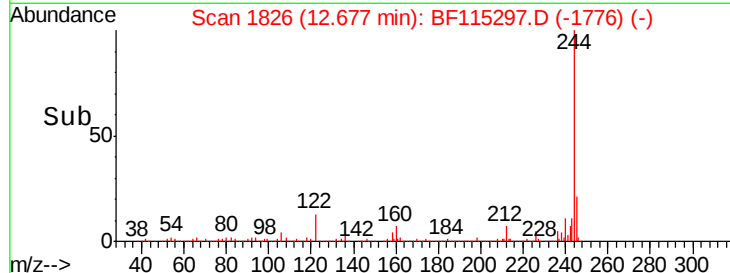
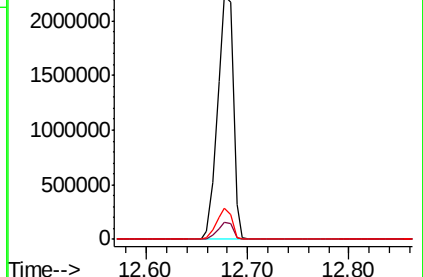
122 12.7 10.4 15.6



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: 2.919 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

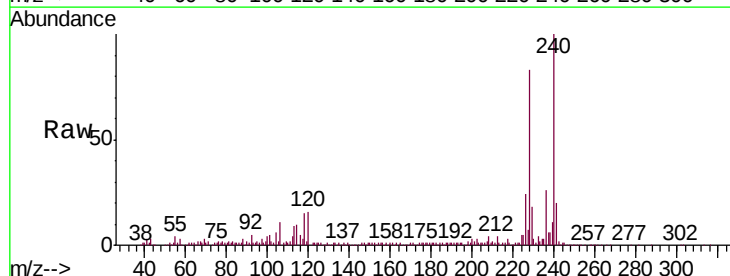
Tgt Ion:228 Resp: 160091

Ion Ratio Lower Upper

228 100

226 29.4 22.5 33.7

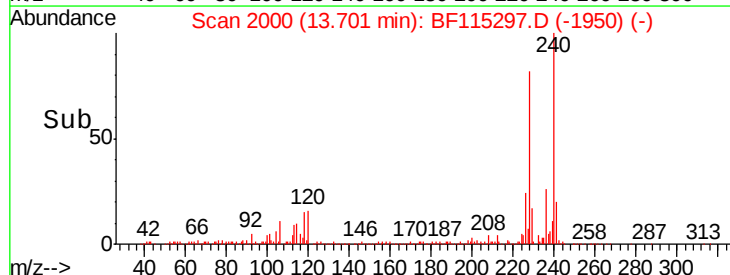
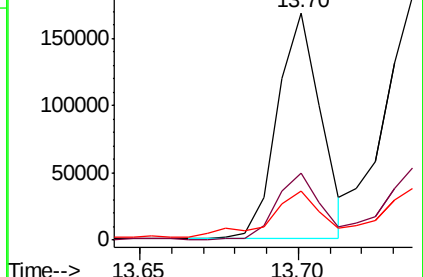
229 21.5 16.6 24.8

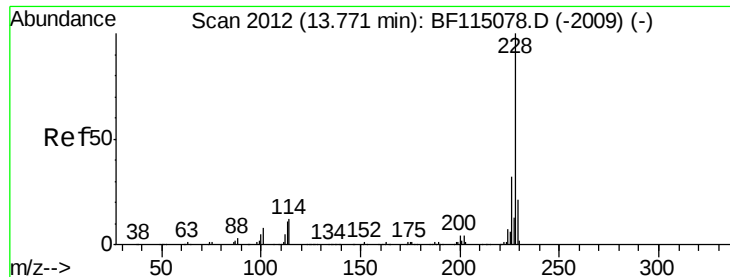


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.442 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

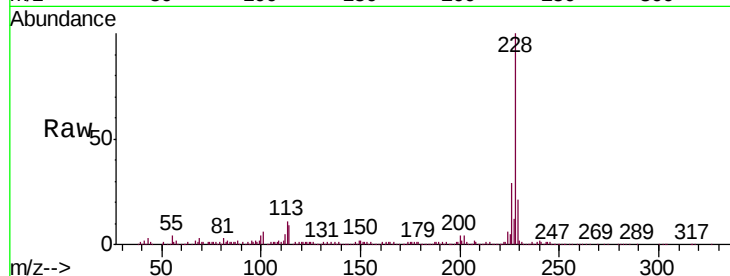
Tgt Ion:228 Resp: 172918

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

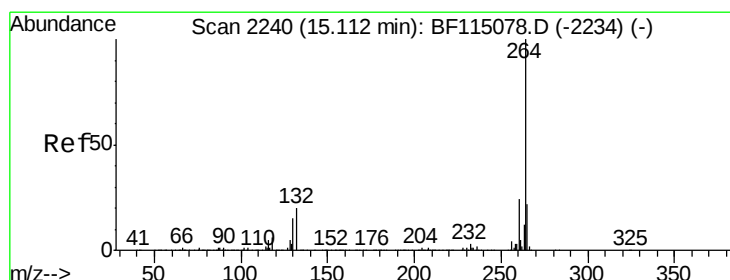
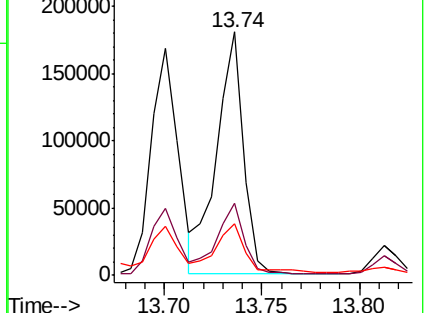
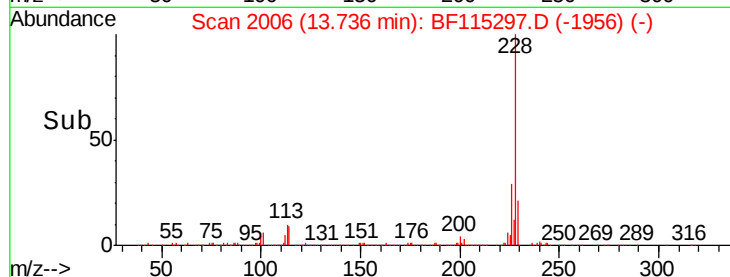
229 21.4 16.5 24.7



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: BF115297.D

Acq: 28 Jun 2019 22:22

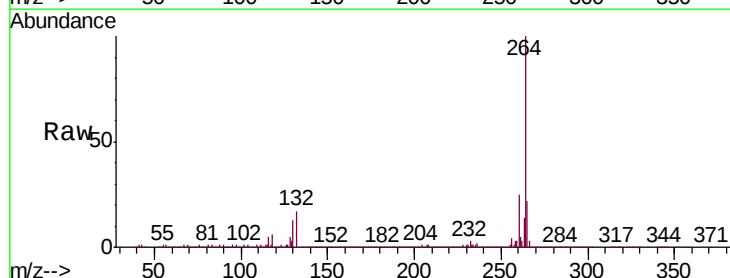
Tgt Ion:264 Resp: 775076

Ion Ratio Lower Upper

264 100

260 25.2 19.6 29.4

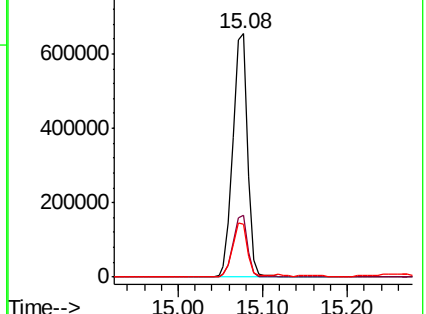
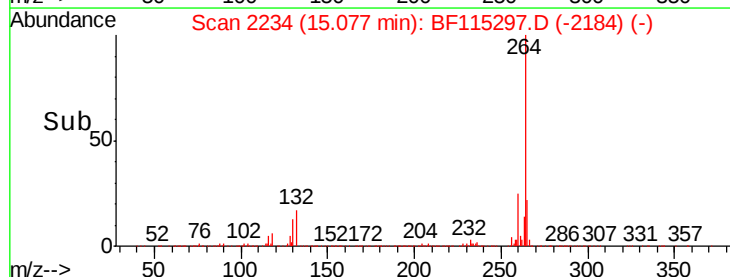
265 21.9 17.3 25.9

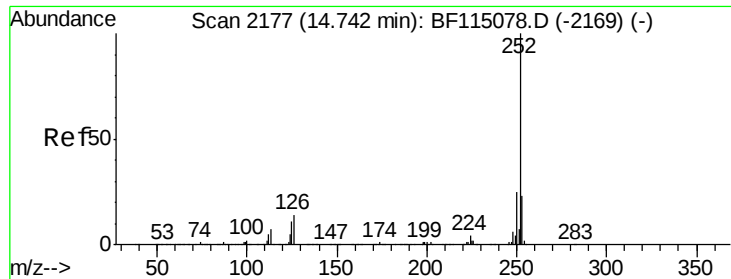


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

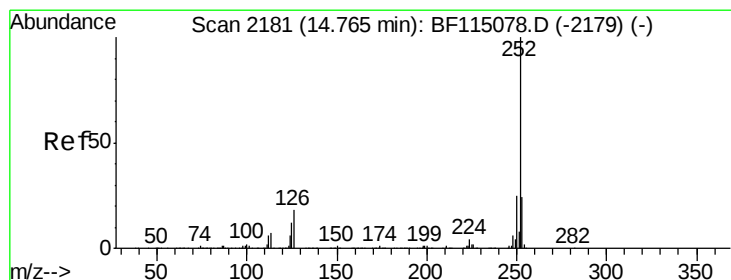
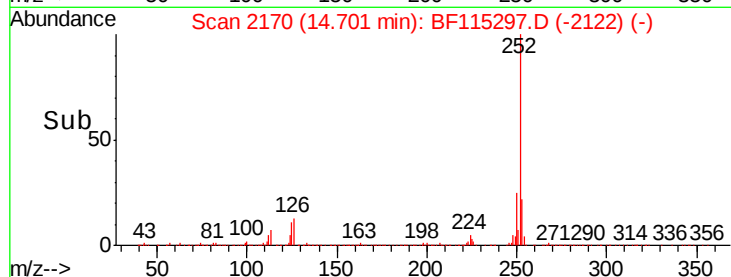
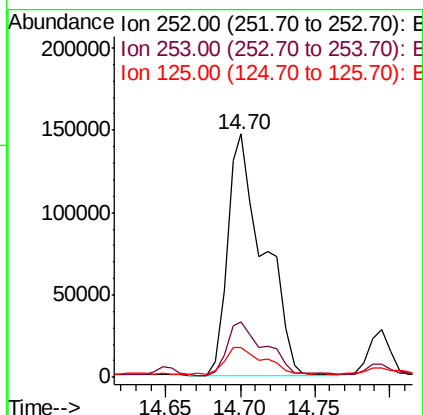
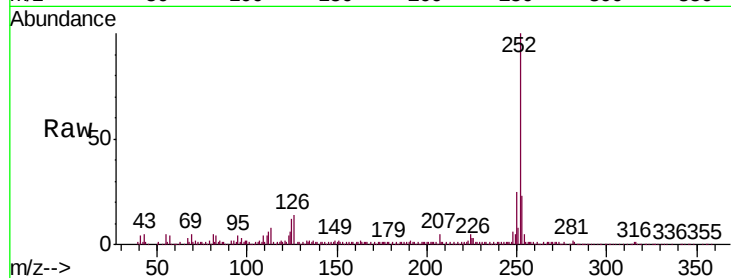




#88
Benzo(b)fluoranthene
Concen: 5.140 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

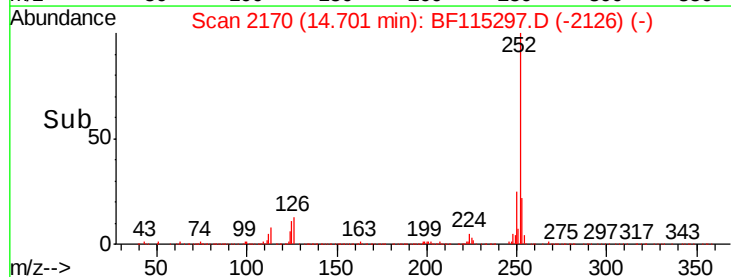
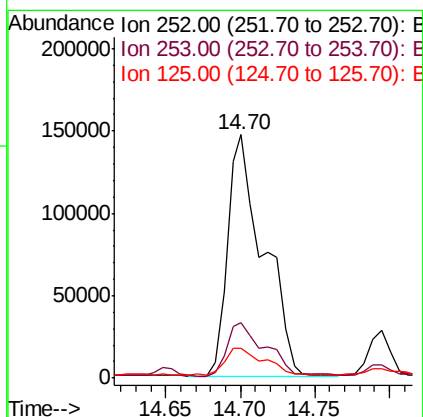
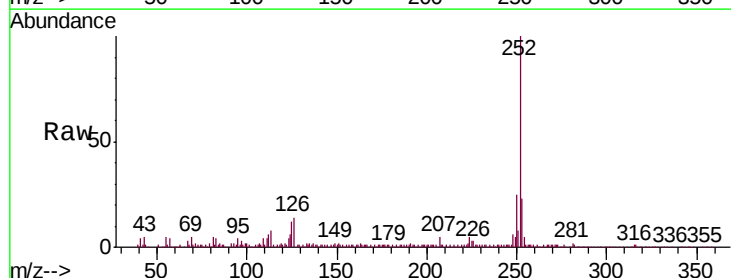
Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

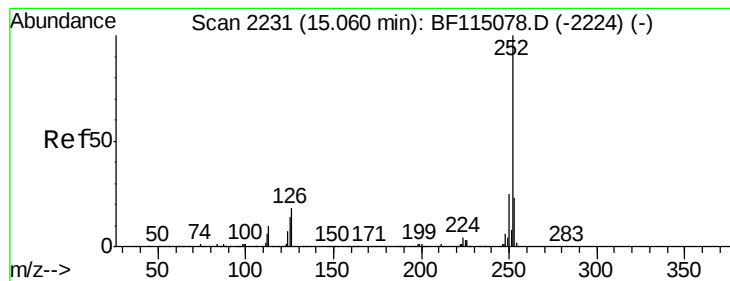
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.3	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 5.732 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	12.3	10.2	15.2





#90

Benzo(a)pyrene

Concen: 3.411 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

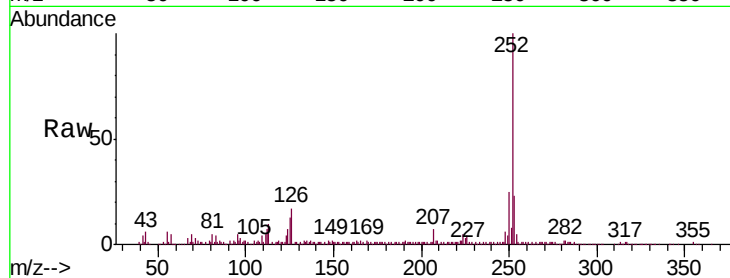
Tgt Ion:252 Resp: 148678

Ion Ratio Lower Upper

252 100

253 22.7 18.3 27.5

125 12.9 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

