

Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Quant Time: Jun 29 02:39:19 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	295059	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1150946	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	566560	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	1061920	20.00	ng	0.00
76) Chrysene-d12	13.71	240	731281	20.00	ng	0.00
87) Perylene-d12	15.07	264	726501	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1725304	90.23	ng	0.01
7) Phenol-d6	6.24	99	2182379	94.04	ng	0.00
23) Nitrobenzene-d5	7.16	82	1351508	72.23	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	615452	103.01	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2349584	70.44	ng	0.00
79) Terphenyl-d14	12.68	244	2428341	70.60	ng	0.00

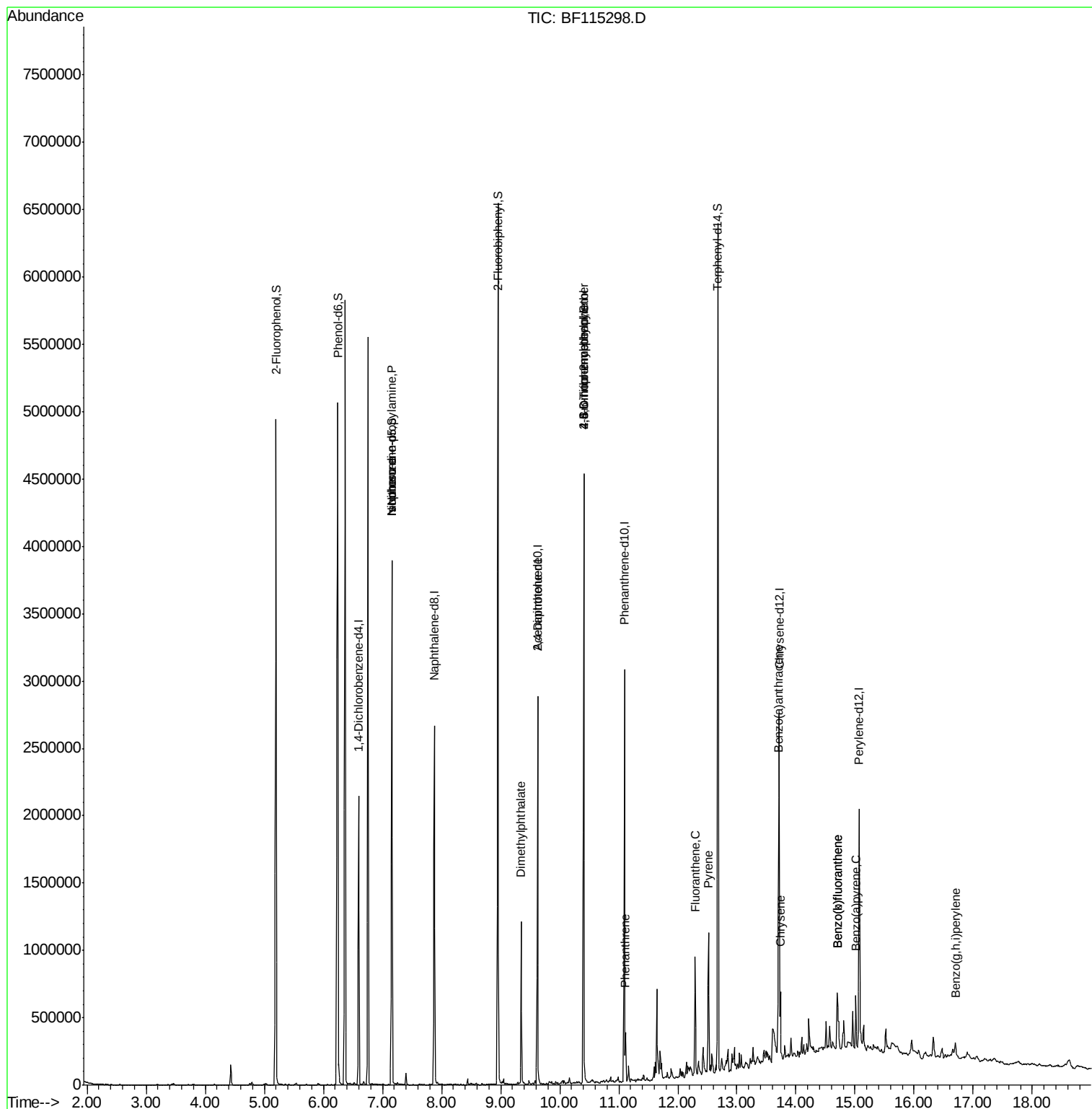
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.16	70	180278	12.134	ng	# 78
25) Isophorone	7.16	82	1341168	34.992	ng	# 63
50) Dimethylphthalate	9.35	163	440897	10.577	ng	98
57) 2,4-Dinitrotoluene	9.62	165	73767	5.937	ng	# 30
58) Fluorene	10.17	166	7487	Below	Cal	98
65) 4,6-Dinitro-2-methylphenol	10.41	198	1333	5.171	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	39754	3.453	ng	# 1
71) Phenanthrene	11.11	178	127545	2.231	ng	96
75) Fluoranthene	12.29	202	323254	5.667	ng	96
78) Pyrene	12.52	202	368542	6.558	ng	99
81) Benzo(a)anthracene	13.70	228	180018	3.431	ng	99
83) Chrysene	13.74	228	175207	3.645	ng	97
88) Benzo(b)fluoranthene	14.70	252	288870	6.372	ng	98
89) Benzo(k)fluoranthene	14.70	252	288870	7.106	ng	99
90) Benzo(a)pyrene	15.01	252	173967	4.258	ng	98
92) Benzo(g,h,i)perylene	16.70	276	87291	2.261	ng	99

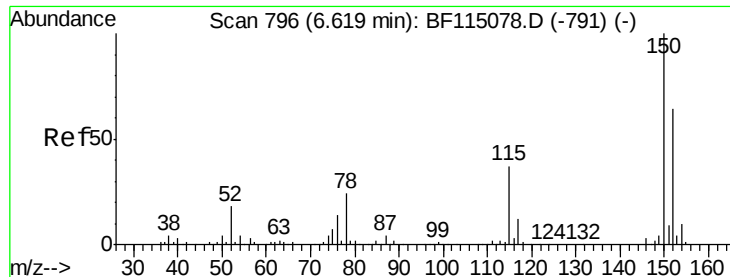
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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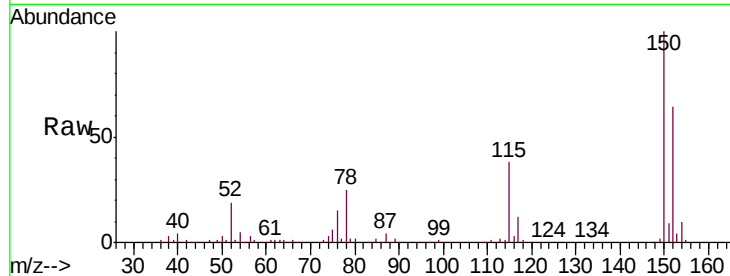


#1

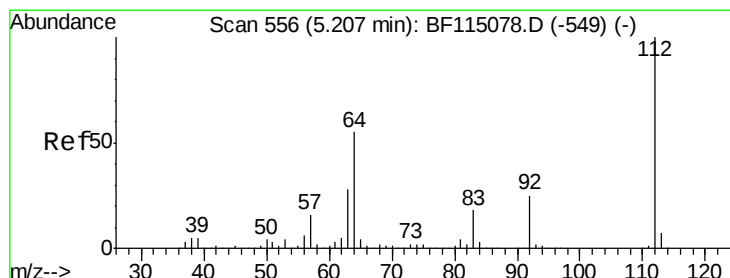
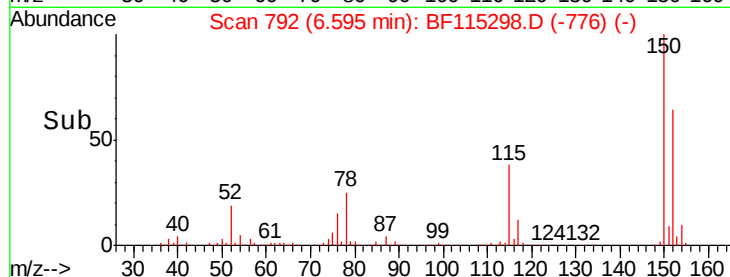
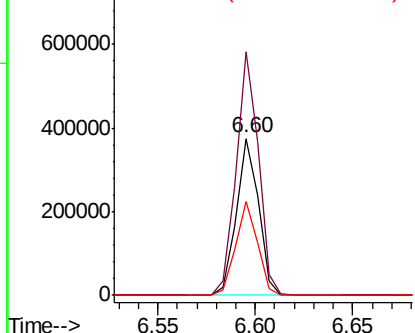
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tgt Ion:152 Resp: 295059
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 59.6 46.1 69.1



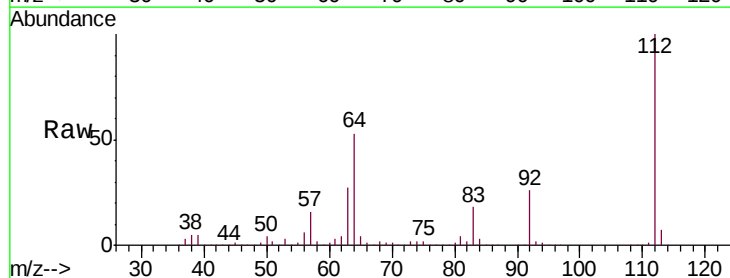
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



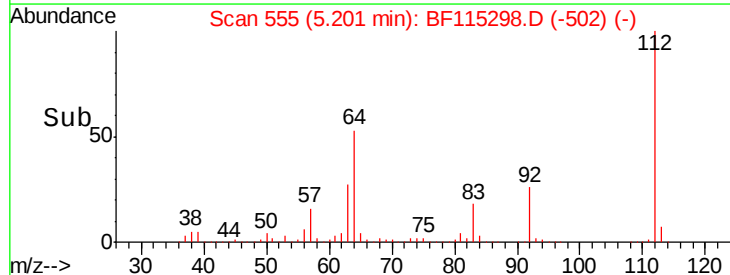
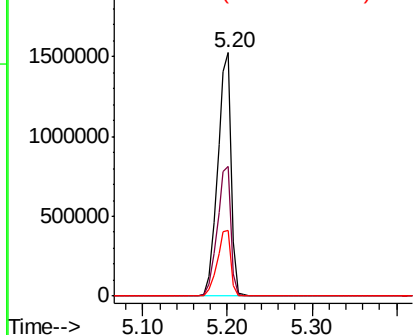
#5

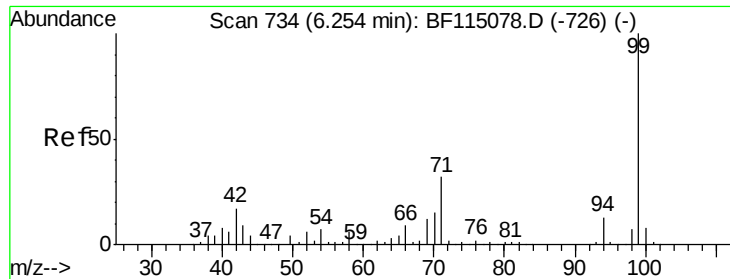
2-Fluorophenol
Concen: 90.234 ng
RT: 5.20 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion:112 Resp: 1725304
Ion Ratio Lower Upper
112 100
64 53.1 43.8 65.6
63 27.1 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: 94.038 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Instrument :

BNA_F

ClientSampleId :

CP-S1-SOIL

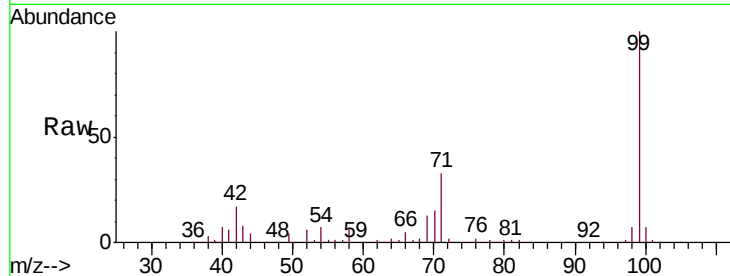
Tgt Ion: 99 Resp: 2182379

Ion Ratio Lower Upper

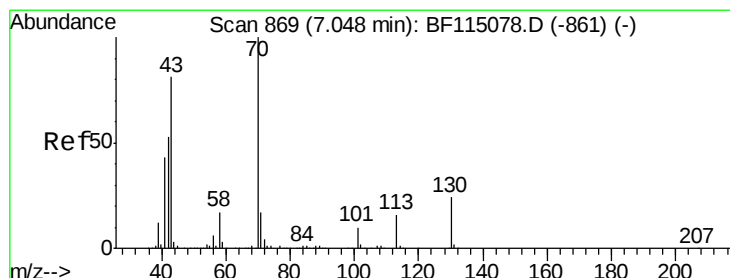
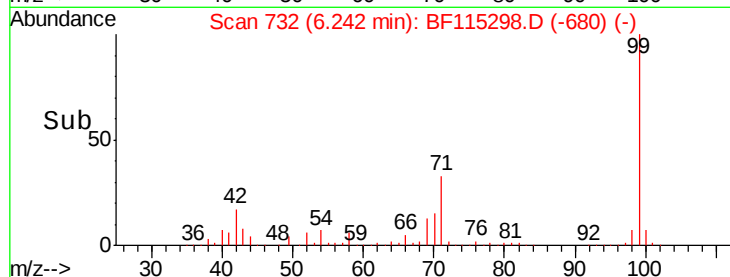
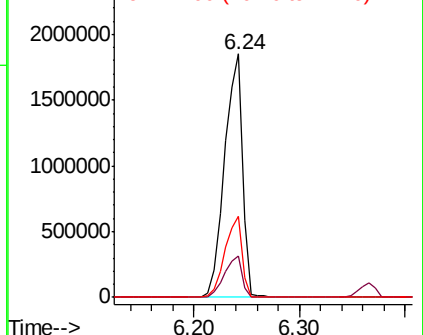
99 100

42 16.7 13.6 20.4

71 33.4 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: 12.134 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Tgt Ion: 70 Resp: 180278

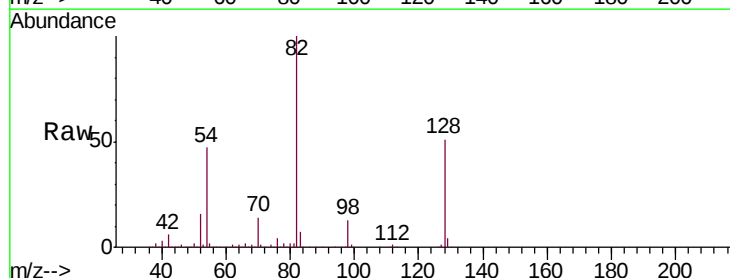
Ion Ratio Lower Upper

70 100

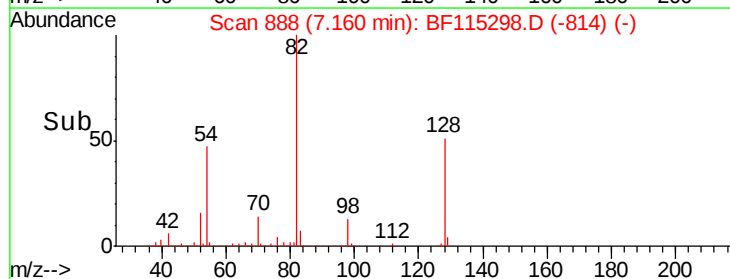
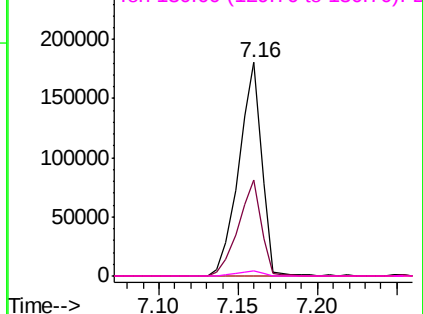
42 45.0 42.6 63.8

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): E
Ion 130.00 (129.70 to 130.70): E

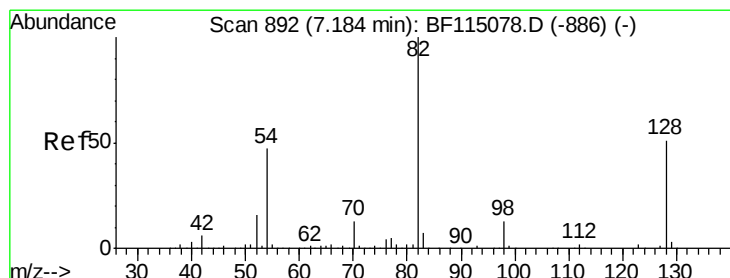
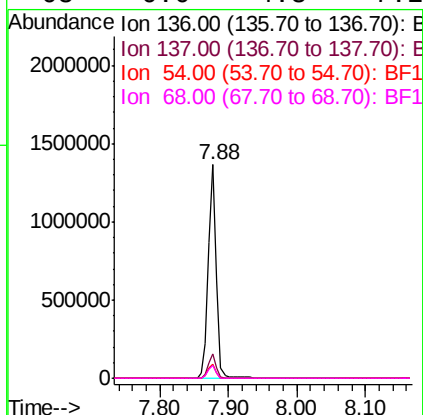
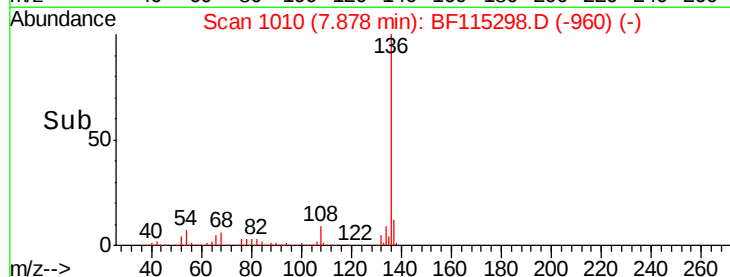
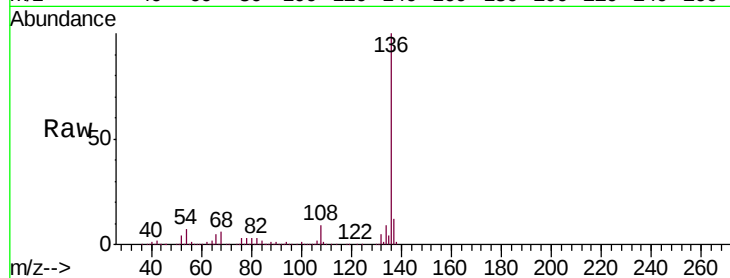




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

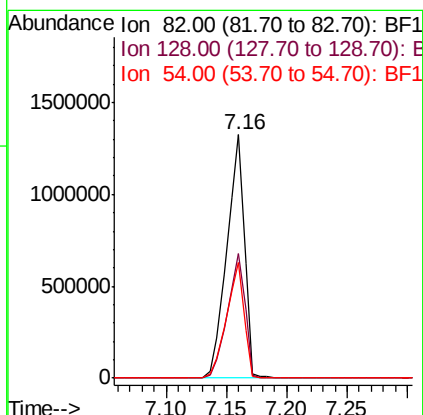
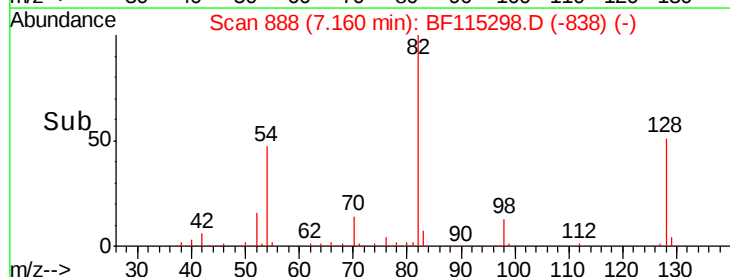
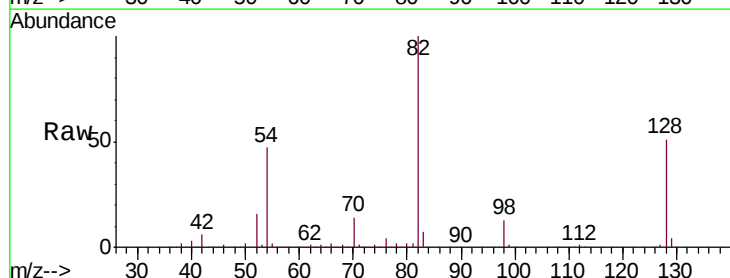
Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tgt Ion:136 Resp: 1150946
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 6.8 5.6 8.4
68 6.0 4.8 7.2



#23
Nitrobenzene-d5
Concen: 72.235 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion: 82 Resp: 1351508
Ion Ratio Lower Upper
82 100
128 51.3 40.4 60.6
54 47.4 37.5 56.3





#25

Isophorone

Concen: 34.992 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Instrument :

BNA_F

ClientSampleId :

CP-S1-SOIL

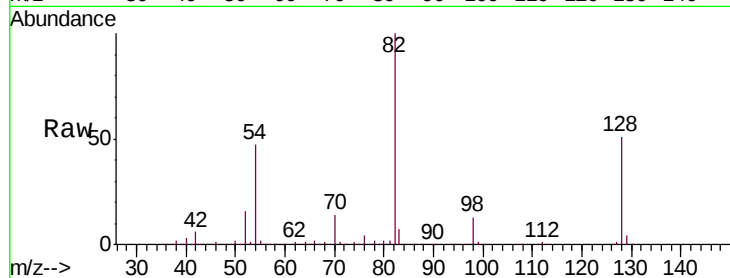
Tgt Ion: 82 Resp: 1341168

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

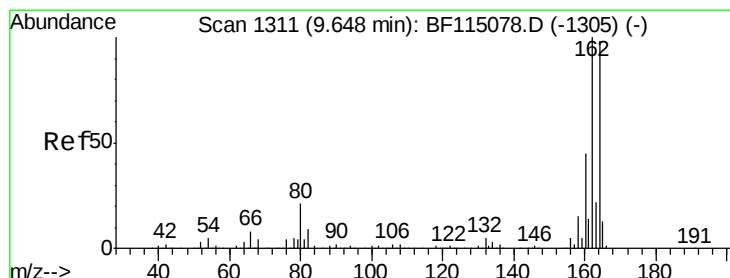
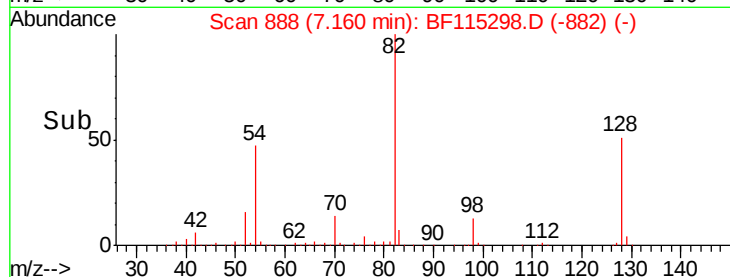
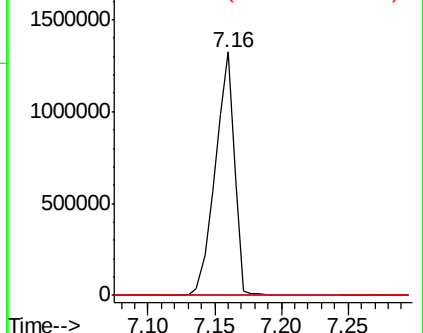
138 0.0 15.9 23.9#



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: BF115298.D

Acq: 28 Jun 2019 22:49

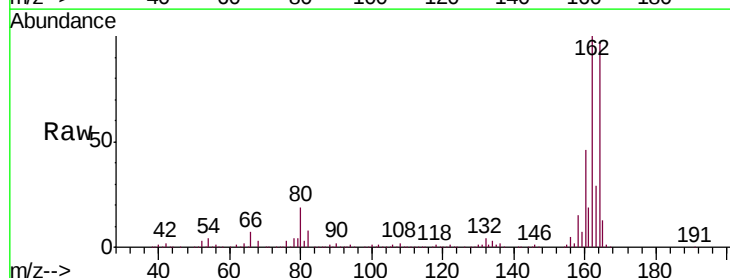
Tgt Ion: 164 Resp: 566560

Ion Ratio Lower Upper

164 100

162 103.3 81.7 122.5

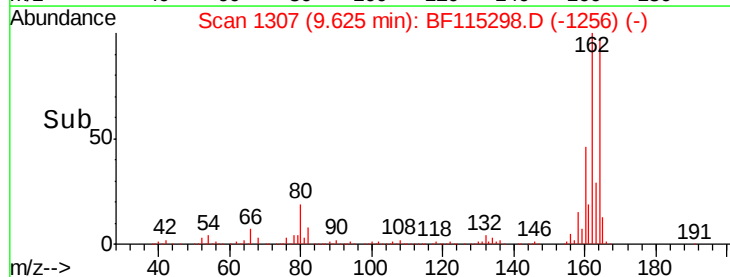
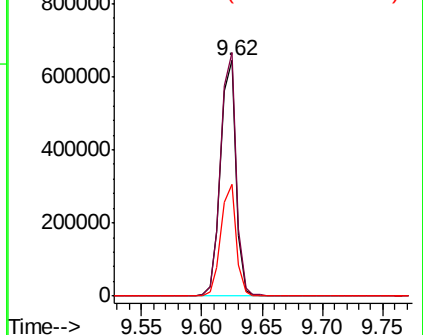
160 47.2 37.0 55.4

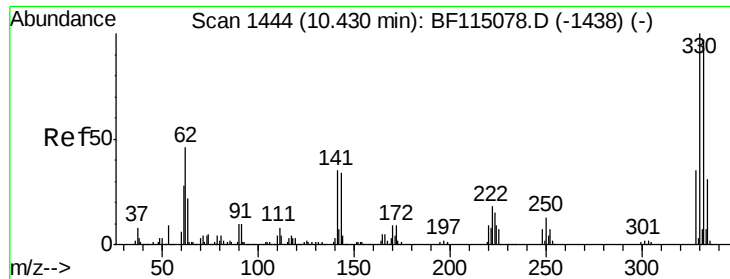


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

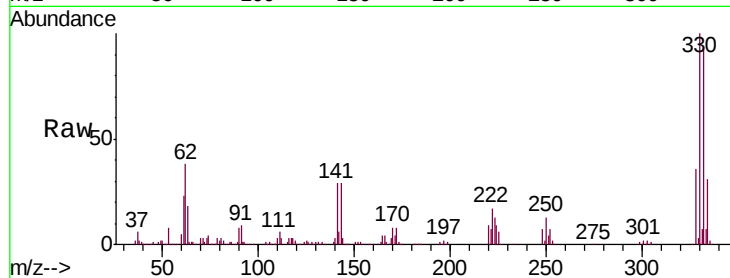




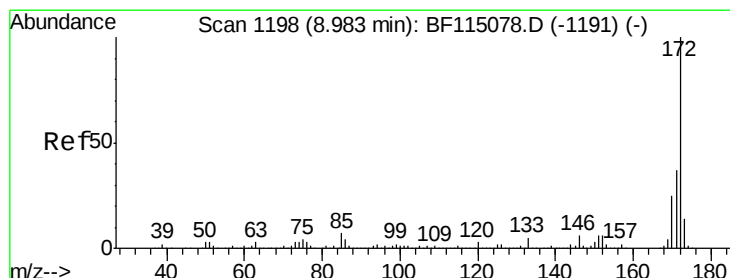
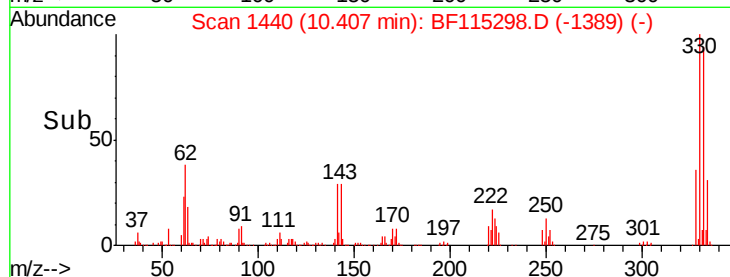
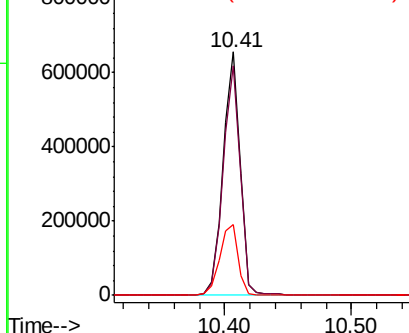
#42
 2,4,6-Tribromophenol
 Concen: 103.012 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Instrument :
 BNA_F
 ClientSampled :
 CP-S1-SOIL

Tgt Ion:330 Resp: 615452
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 31.9 28.2 42.2

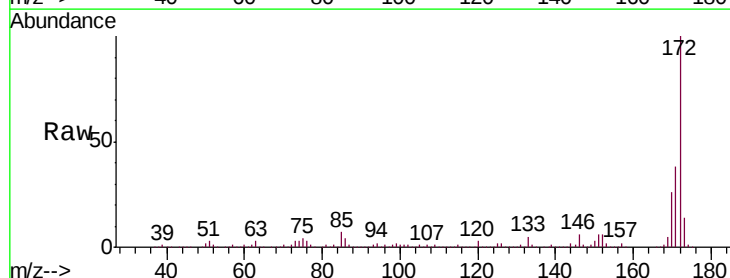


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

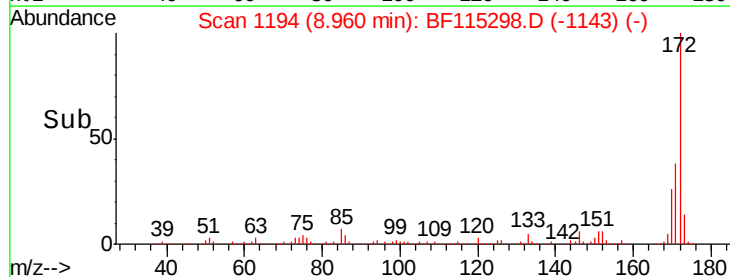
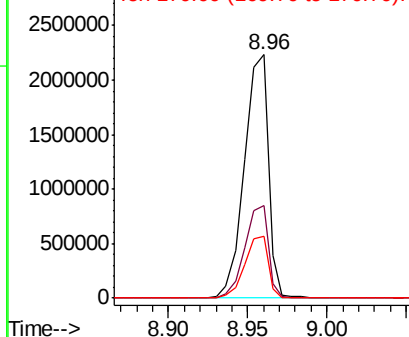


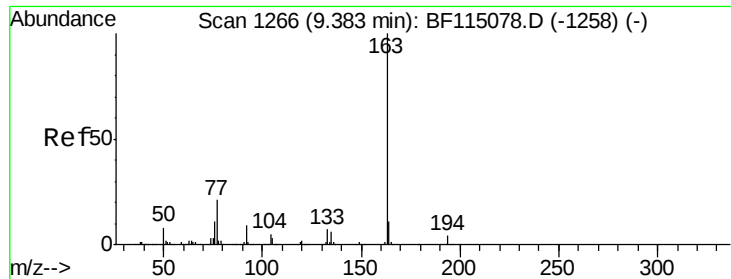
#45
 2-Fluorobiphenyl
 Concen: 70.444 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Tgt Ion:172 Resp: 2349584
 Ion Ratio Lower Upper
 172 100
 171 37.9 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

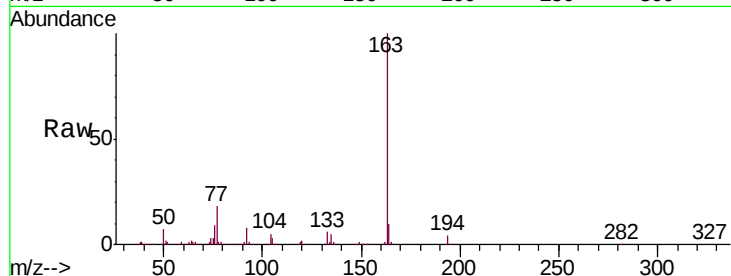




#50
Dimethylphthalate
Concen: 10.577 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	9.9	8.6	13.0

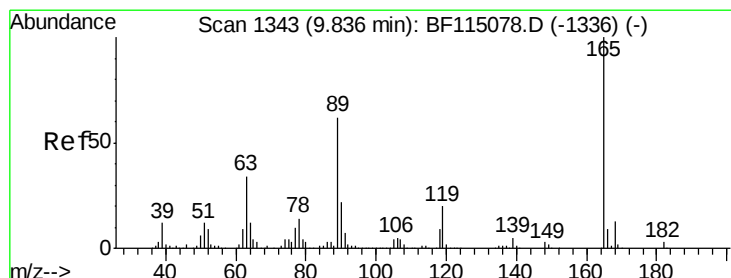
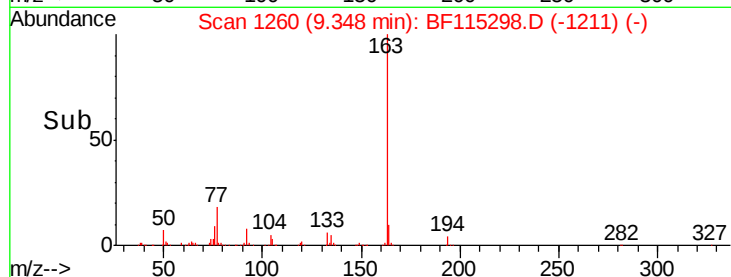
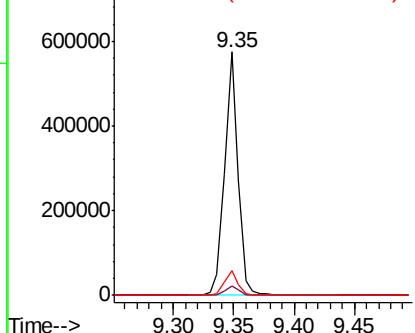


Abundance

Ion 163.00 (162.70 to 163.70): E

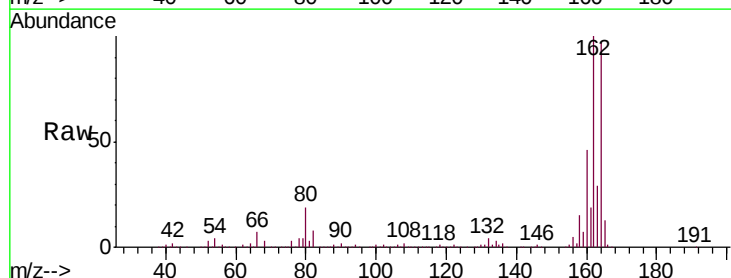
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.937 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.5	41.3#
89	1.4	49.9	74.9#
182	0.0	2.1	3.1#



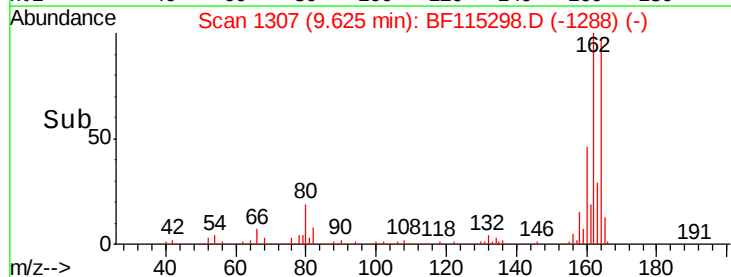
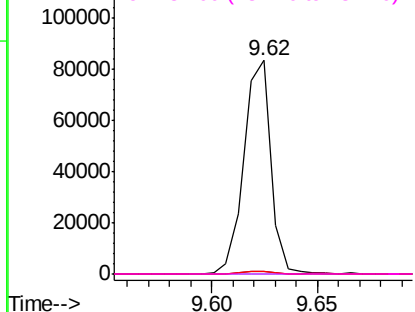
Abundance

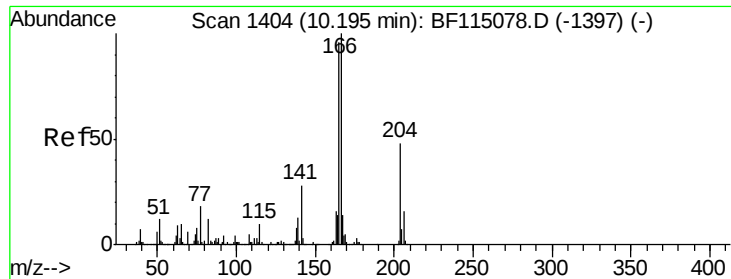
Ion 165.00 (164.70 to 165.70): E

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: BF115298.D

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Instrument :

BNA_F

ClientSampleId :

CP-S1-SOIL

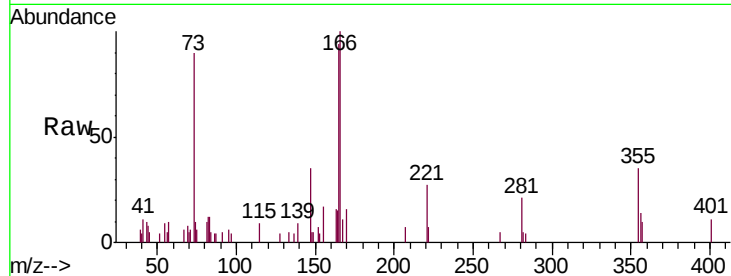
Tgt Ion:166 Resp: 7487

Ion Ratio Lower Upper

166 100

165 94.3 76.5 114.7

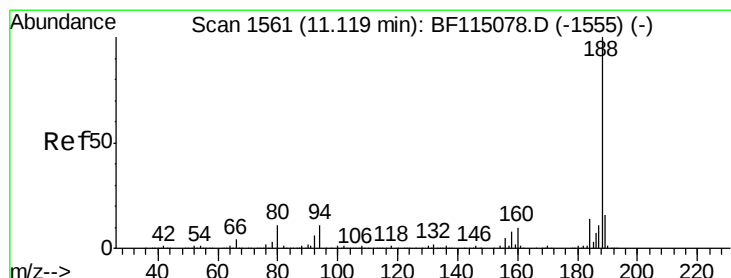
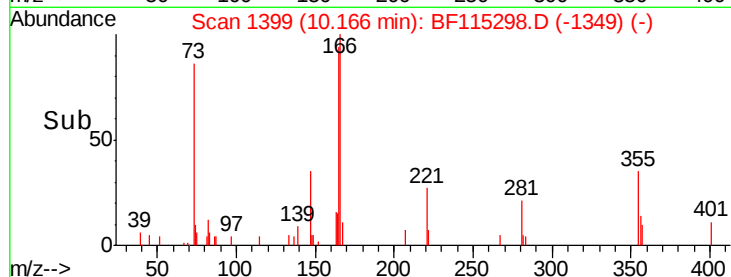
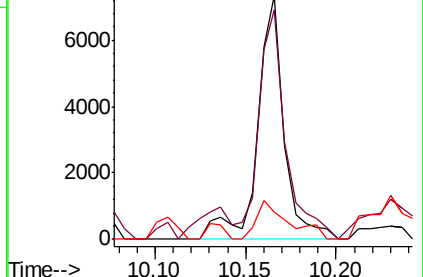
167 11.2 11.0 16.4



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: BF115298.D

Acq: 28 Jun 2019 22:49

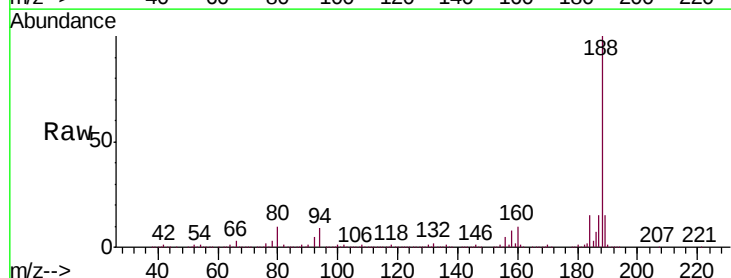
Tgt Ion:188 Resp: 1061920

Ion Ratio Lower Upper

188 100

94 9.3 8.6 12.8

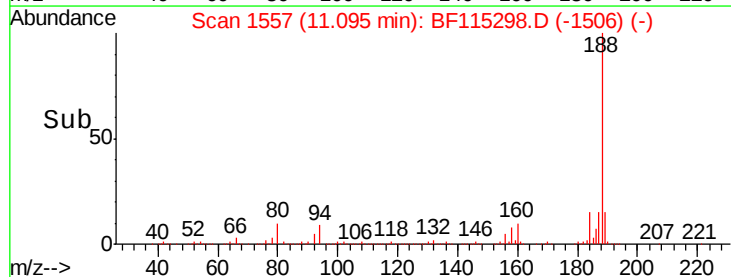
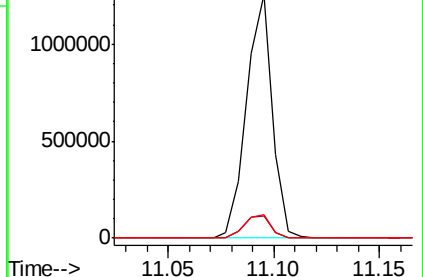
80 9.6 8.8 13.2

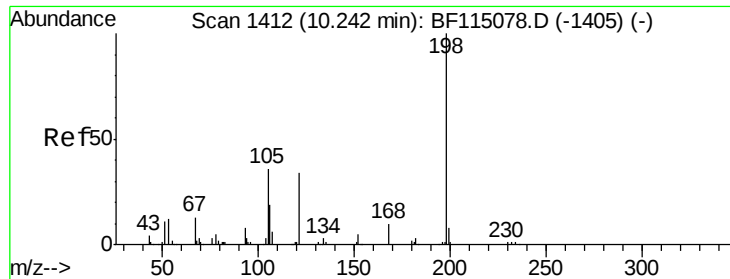


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.171 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Instrument :

BNA_F

ClientSampleId :

CP-S1-SOIL

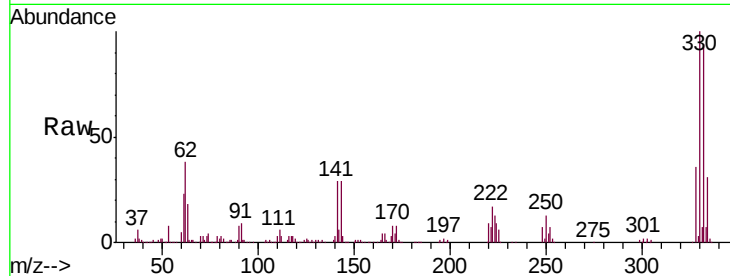
Tgt Ion:198 Resp: 1333

Ion Ratio Lower Upper

198 100

51 125.0 11.0 51.0#

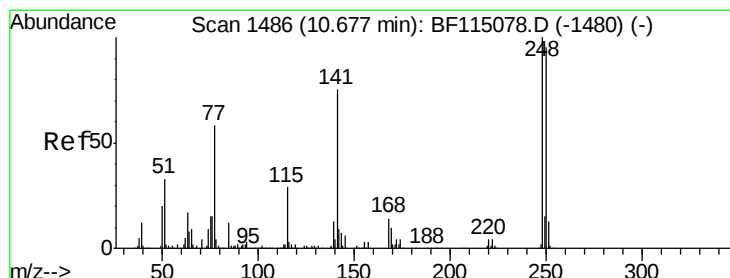
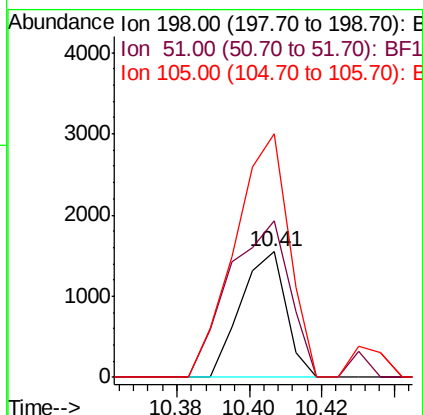
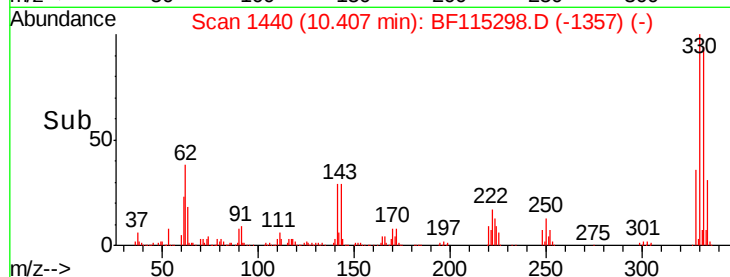
105 194.0 17.3 57.3#



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: 3.453 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

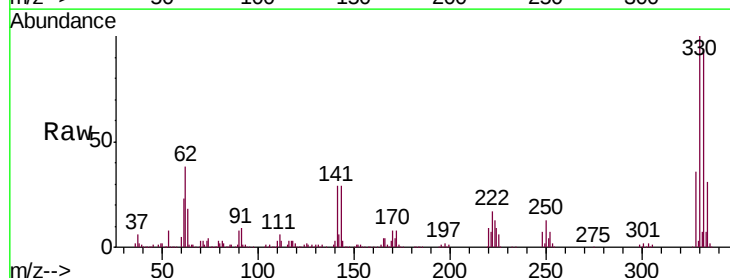
Tgt Ion:248 Resp: 39754

Ion Ratio Lower Upper

248 100

250 197.0 76.2 114.2#

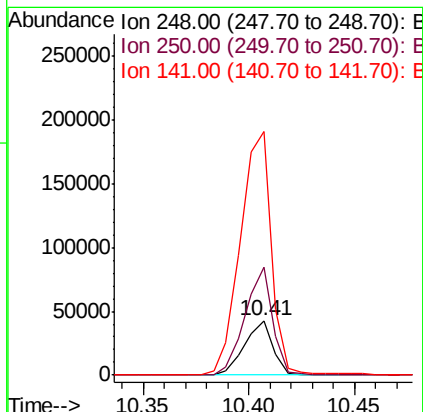
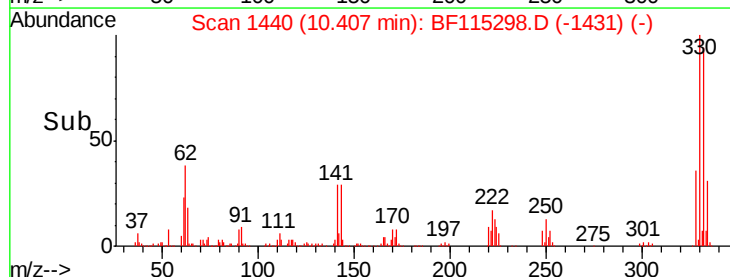
141 444.2 59.6 89.4#

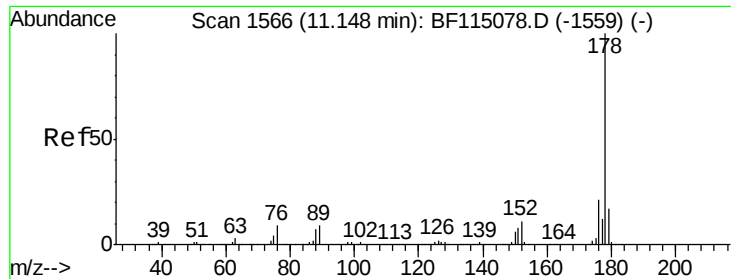


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

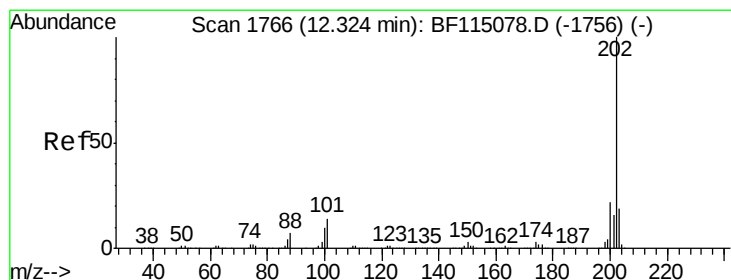
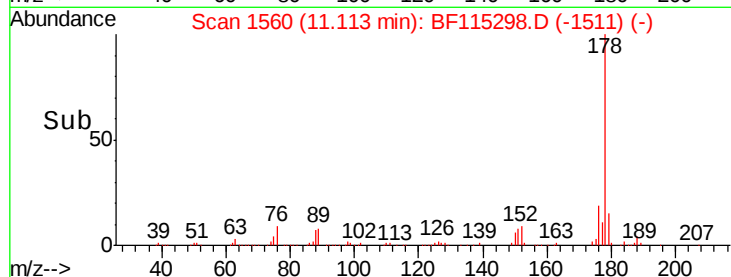
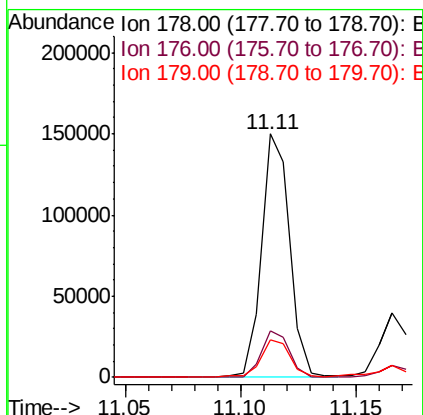
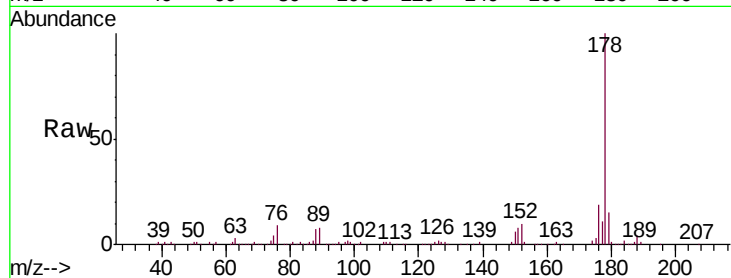




#71
Phenanthrene
Concen: 2.231 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

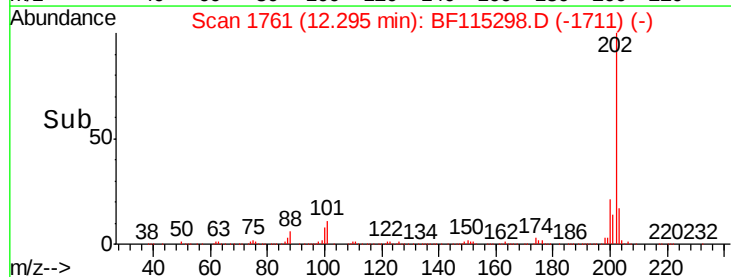
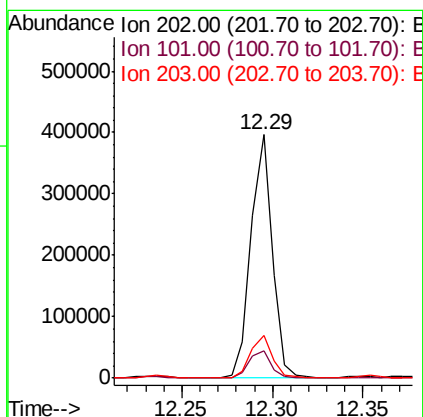
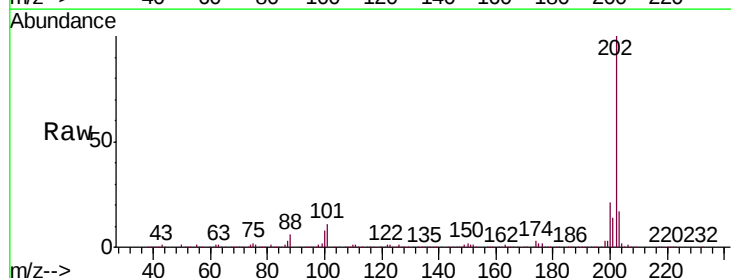
Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

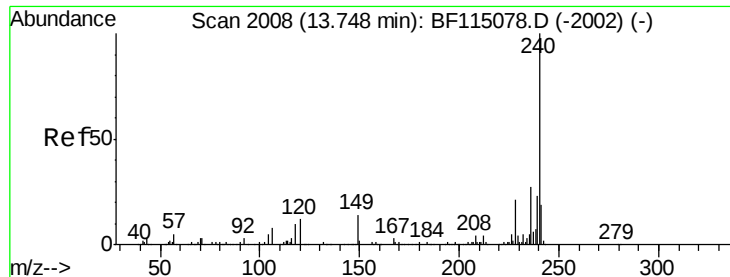
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.9	25.3
179	15.3	13.2	19.8



#75
Fluoranthene
Concen: 5.667 ng
RT: 12.29 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.0
203	17.4	0.0	38.8

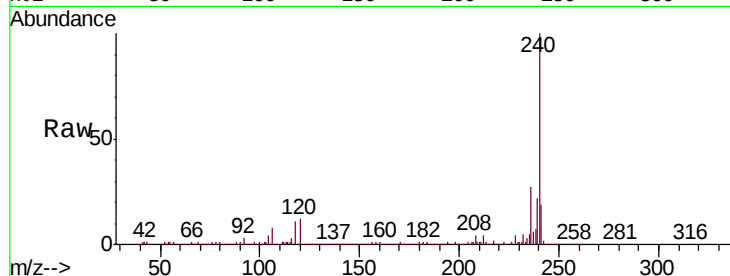




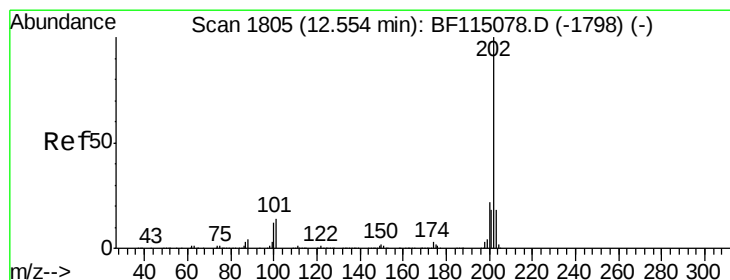
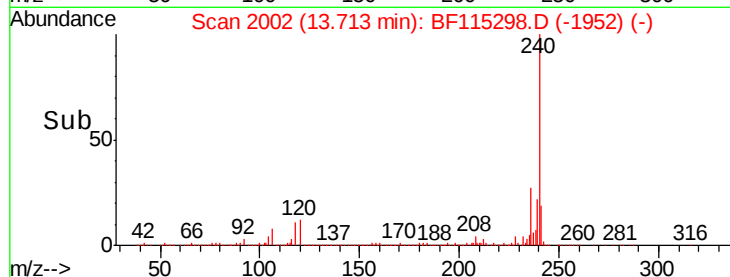
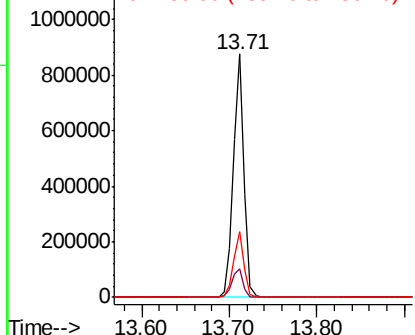
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tgt Ion:240 Resp: 731281
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 27.1 21.7 32.5

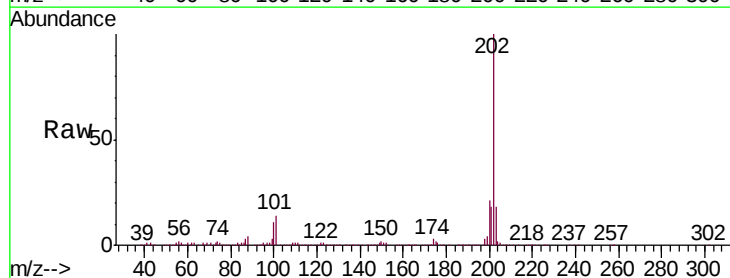


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

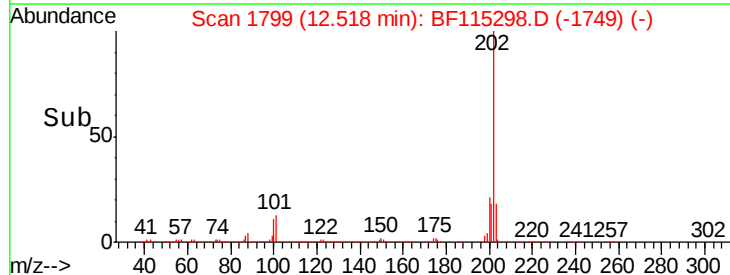
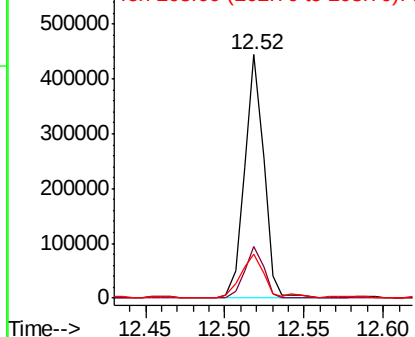


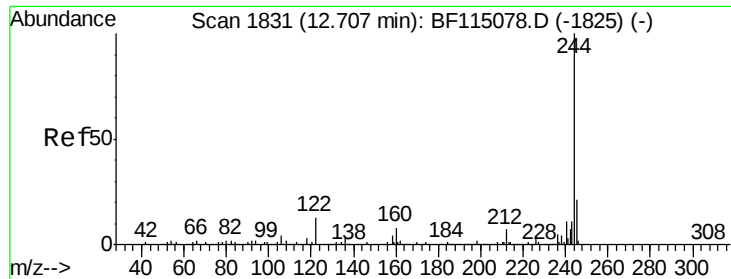
#78
Pyrene
Concen: 6.558 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion:202 Resp: 368542
Ion Ratio Lower Upper
202 100
200 21.3 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

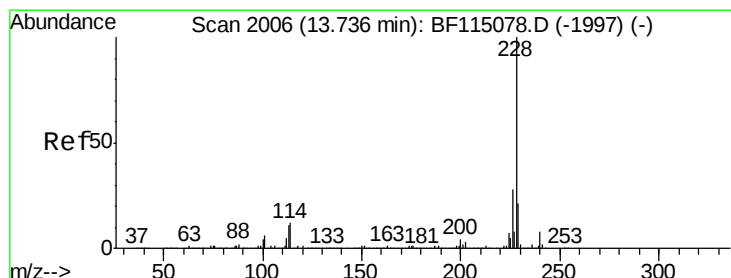
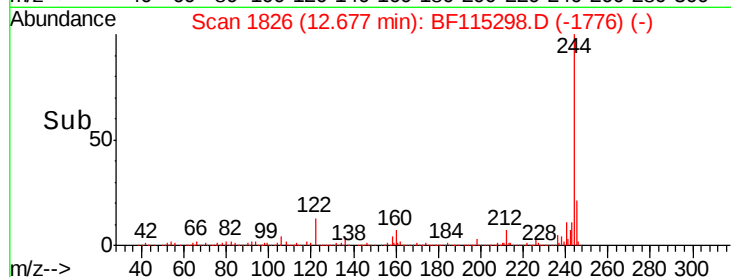
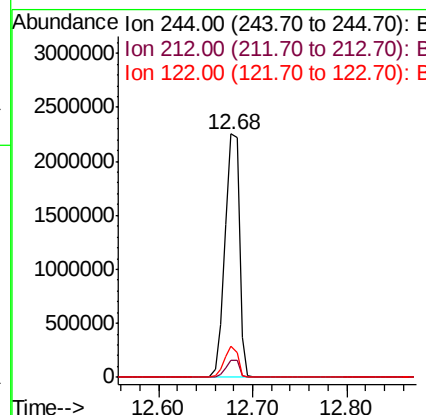
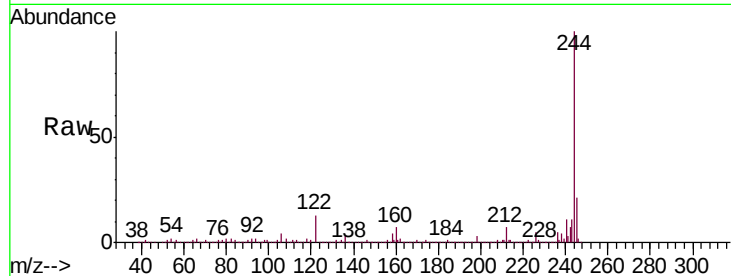




#79
 Terphenyl-d14
 Concen: 70.603 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Instrument :
 BNA_F
 ClientSampleId :
 CP-S1-SOIL

Tgt Ion:244 Resp: 2428341
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 12.7 10.4 15.6



#81
 Benzo(a)anthracene
 Concen: 3.431 ng
 RT: 13.70 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Tgt Ion:228 Resp: 180018
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.5 33.7
 229 20.3 16.6 24.8

