

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
 Data File : BE091770.D
 Acq On : 10 May 2016 23:36
 Operator : UM/SJ
 Sample : H2817-15 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 11 13:48:03 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

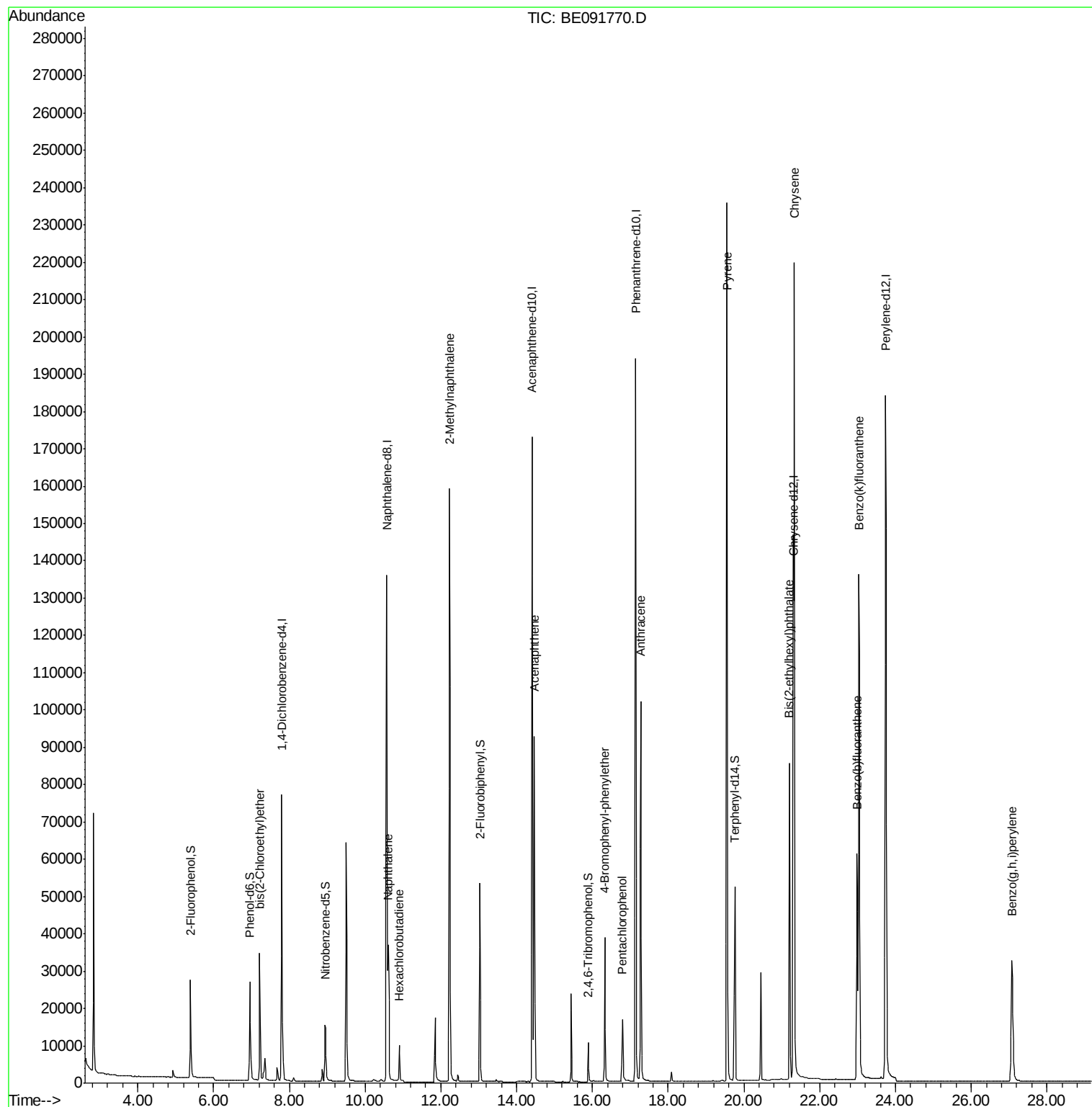
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	39913	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	195384	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	118051	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	314841	5.00	ng	0.00
26) Chrysene-d12	21.31	240	266014	5.00	ng	0.00
35) Perylene-d12	23.74	264	277200	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	21513	2.19	ng	0.00
5) Phenol-d6	6.95	99	31119	2.39	ng	0.00
8) Nitrobenzene-d5	8.95	82	17788	1.41	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	7944	1.93	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	54140	1.62	ng	0.00
29) Terphenyl-d14	19.76	244	73666	1.78	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.21	93	26861	2.35	ng	# 78
10) Naphthalene	10.61	128	56396	1.43	ng	98
11) Hexachlorobutadiene	10.90	225	10010	1.72	ng	96
12) 2-Methylnaphthalene	12.23	142	120350	4.75	ng	98
17) Acenaphthene	14.47	154	55682	1.89	ng	87
20) 4-Bromophenyl-phenylether	16.33	248	19913	1.76	ng	93
22) Pentachlorophenol	16.79	266	12719	2.15	ng	88
24) Anthracene	17.28	178	116660	1.81	ng	99
28) Pyrene	19.55	202	229148	3.81	ng	100
32) Chrysene	21.34	228	222407	3.29	ng	97
33) Bis(2-ethylhexyl)phthalate	21.20	149	98974	5.03	ng	# 89
36) Benzo(b)fluoranthene	22.99	252	90212	1.39	ng	# 97
37) Benzo(k)fluoranthene	23.03	252	200464m	3.04	ng	
40) Benzo(a,h,i)perylene	27.08	276	82446	1.40	ng	# 94

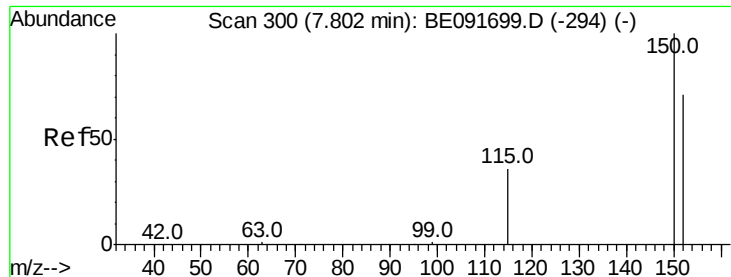
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

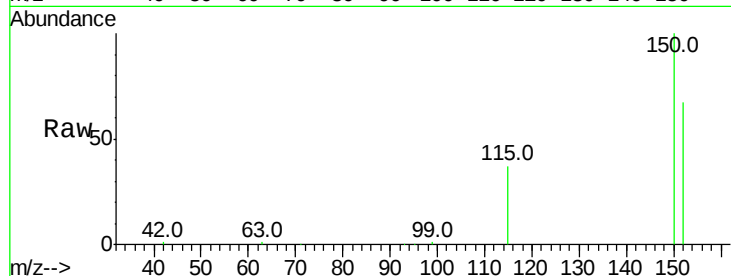
Tot Ion:152 Resp: 39913

Ion Ratio Lower Upper

152 100

150 150.3 122.6 183.8

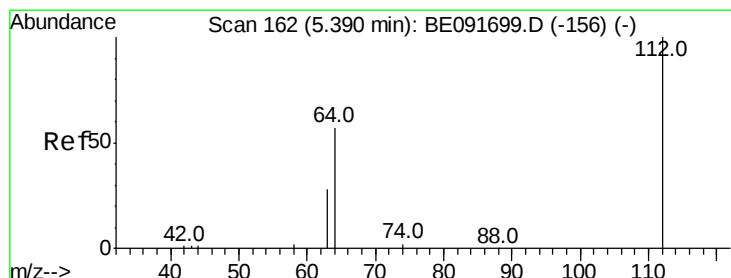
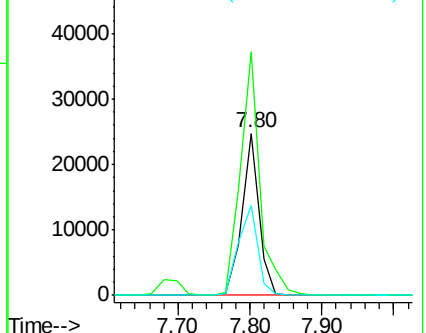
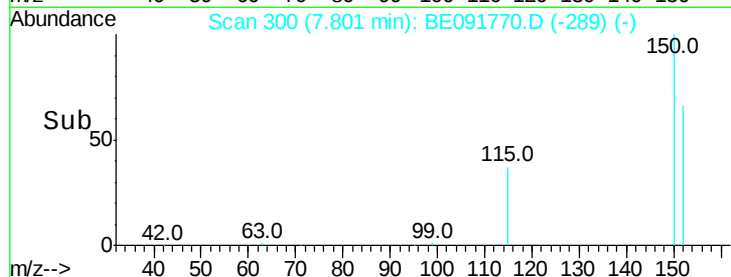
115 55.9 52.8 79.2



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



#4

2-Fluorophenol

Concen: 2.19 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

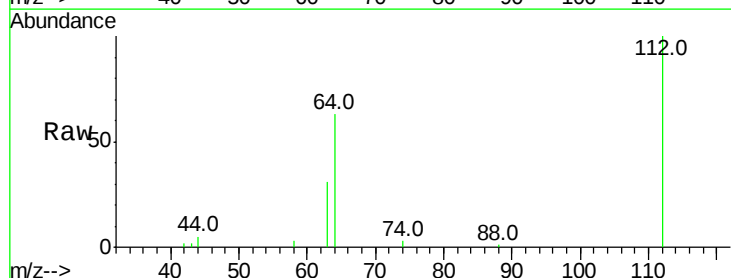
Tgt Ion:112 Resp: 21513

Ion Ratio Lower Upper

112 100

64 66.4 30.9 46.3#

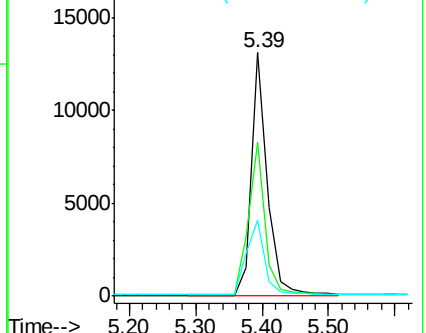
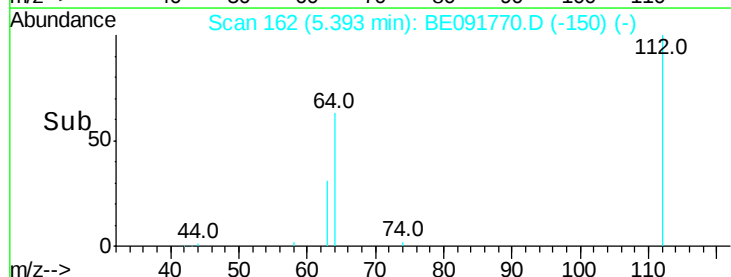
63 35.6 16.7 25.1#

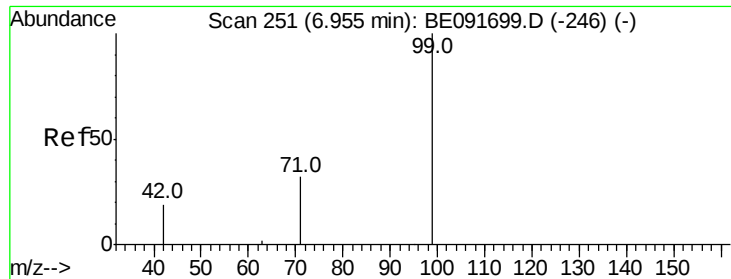


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.39 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

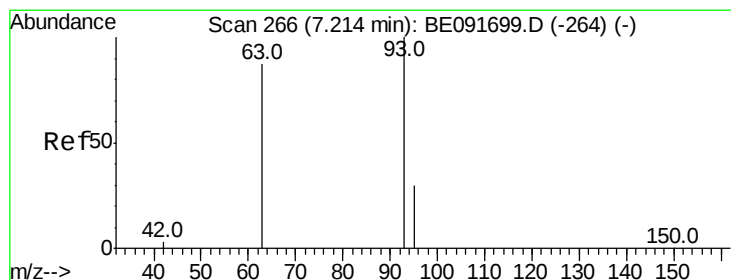
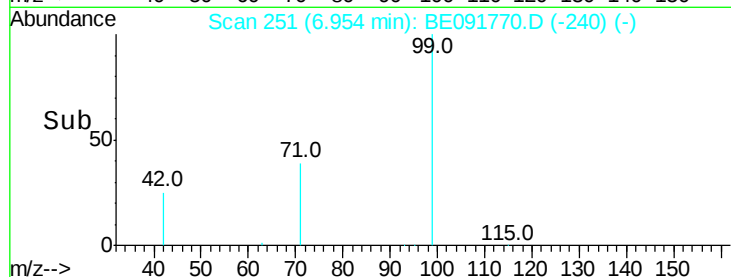
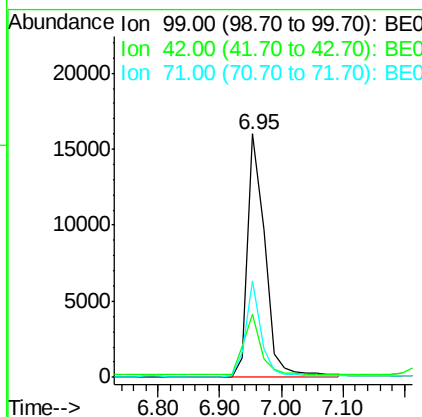
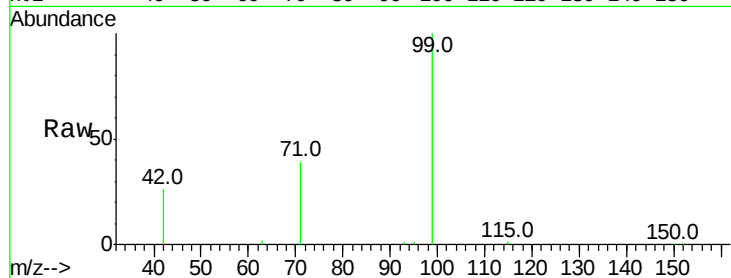
Tot Ion: 99 Resp: 31119

Ion Ratio Lower Upper

99 100

42 26.0 16.2 24.2#

71 34.8 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 2.35 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

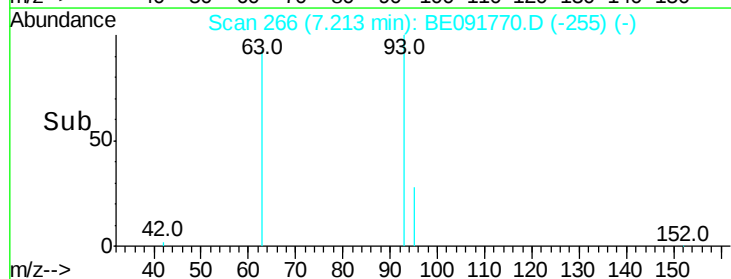
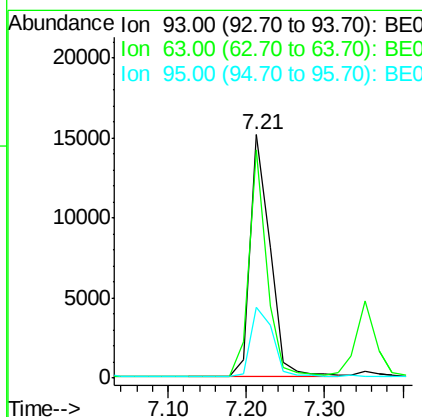
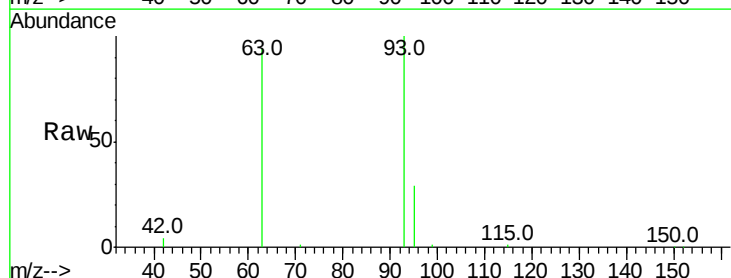
Tgt Ion: 93 Resp: 26861

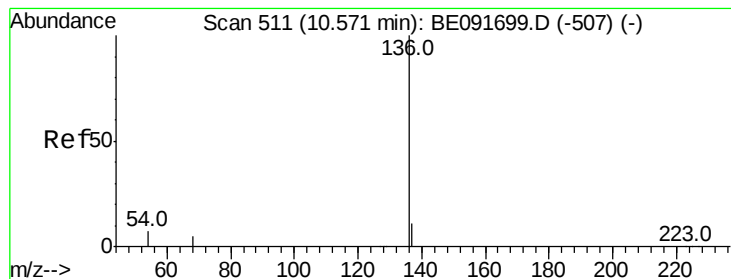
Ion Ratio Lower Upper

93 100

63 84.0 49.5 74.3#

95 32.0 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

Tot Ion:136 Resp: 195384

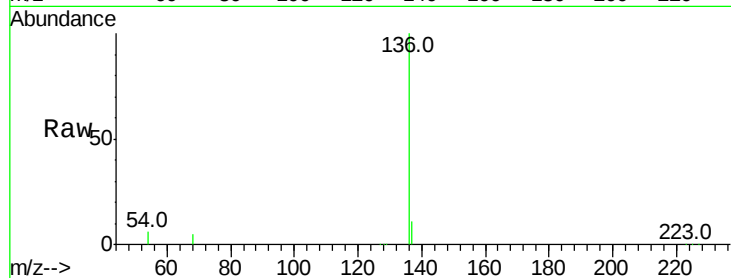
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.2 8.2 12.4#

68 4.8 6.2 9.4#

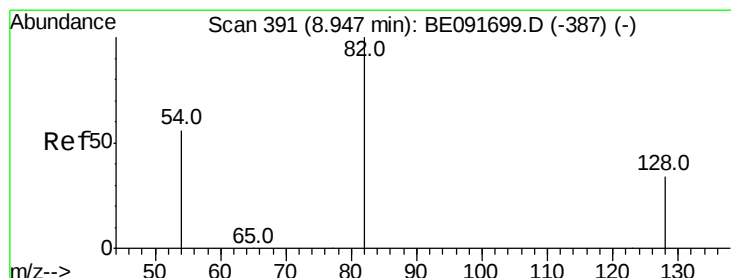
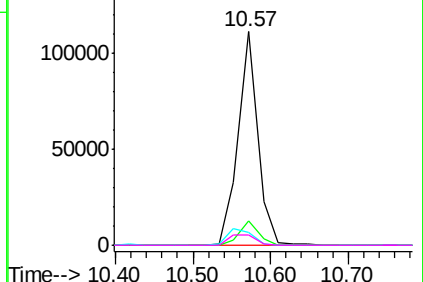
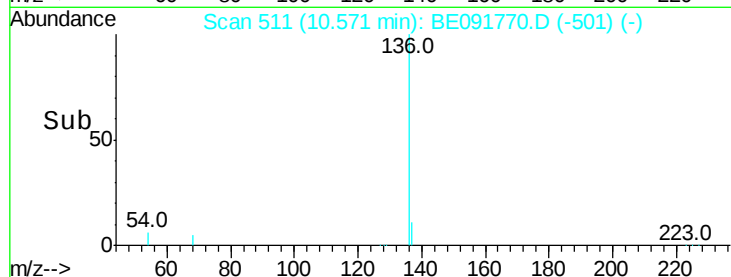


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 1.41 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

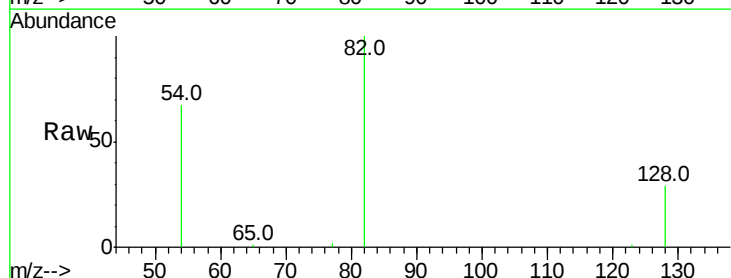
Tgt Ion: 82 Resp: 17788

Ion Ratio Lower Upper

82 100

128 29.2 25.4 38.0

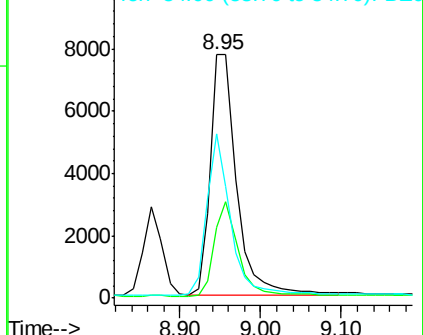
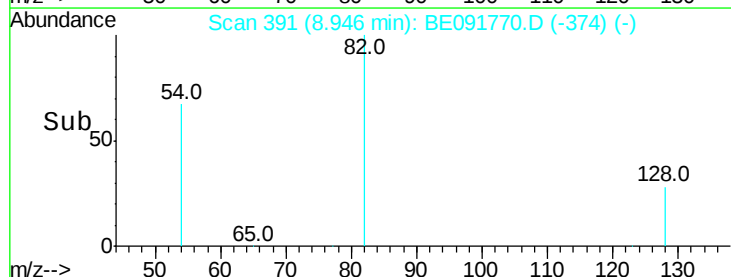
54 67.4 48.4 72.6

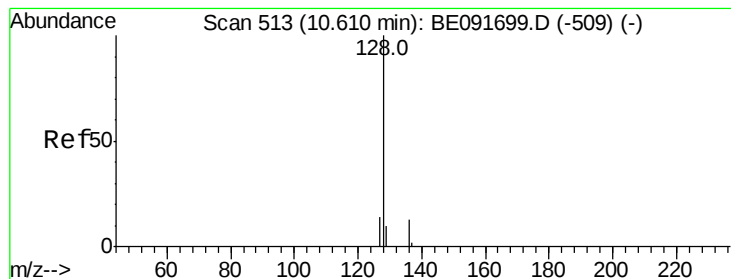


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Naphthalene

Concen: 1.43 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

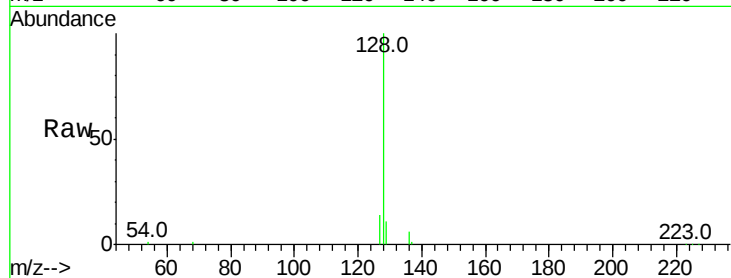
Tot Ion:128 Resp: 56396

Ion Ratio Lower Upper

128 100

129 10.5 9.3 13.9

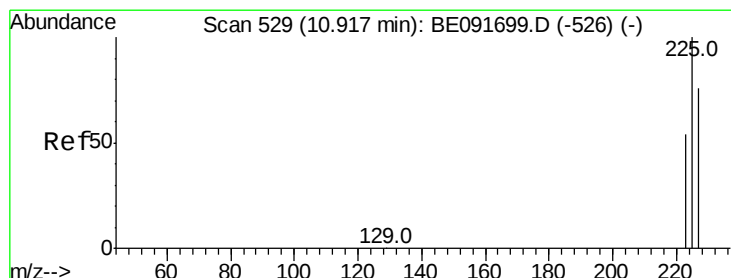
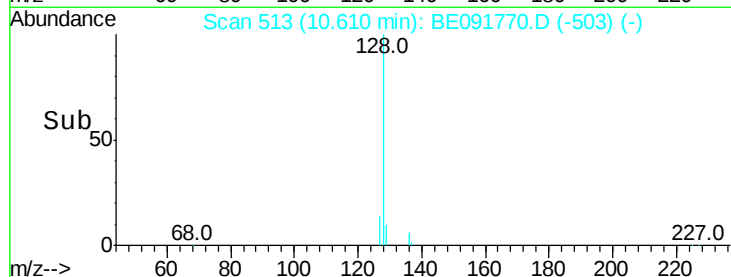
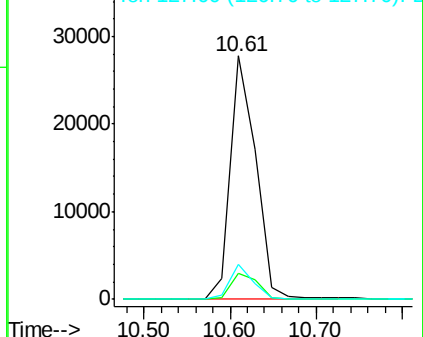
127 14.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

Hexachlorobutadiene

Concen: 1.72 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

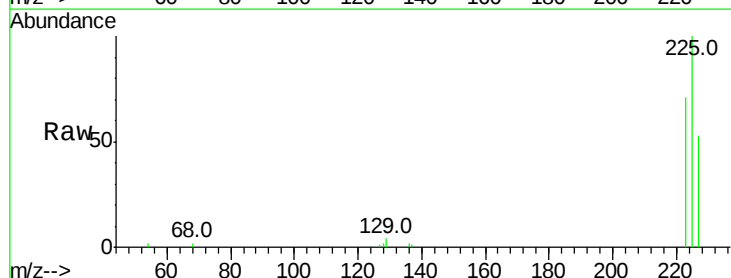
Tgt Ion:225 Resp: 10010

Ion Ratio Lower Upper

225 100

223 64.7 49.0 73.6

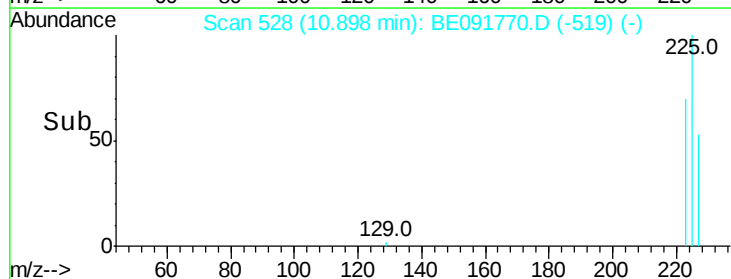
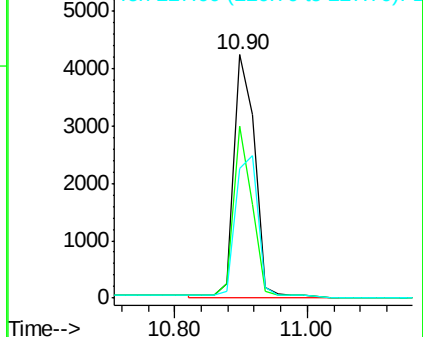
227 65.1 50.3 75.5

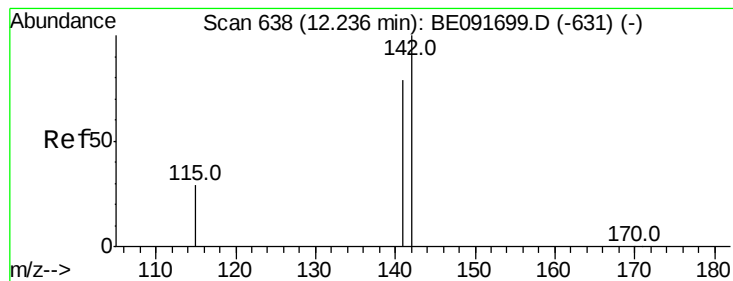


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

2-Methylnaphthalene

Concen: 4.75 ng

RT: 12.23 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

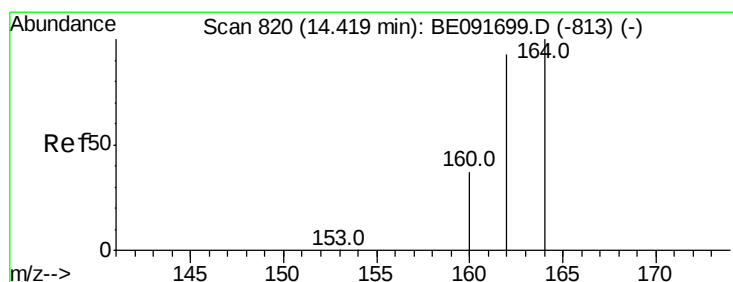
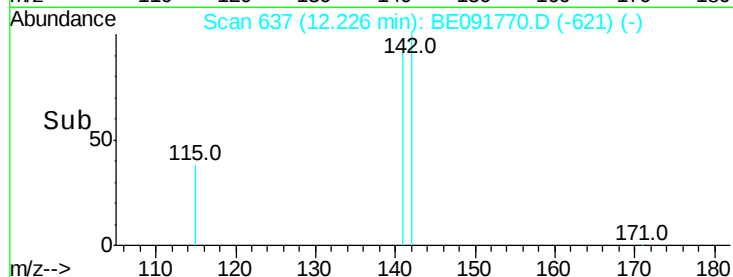
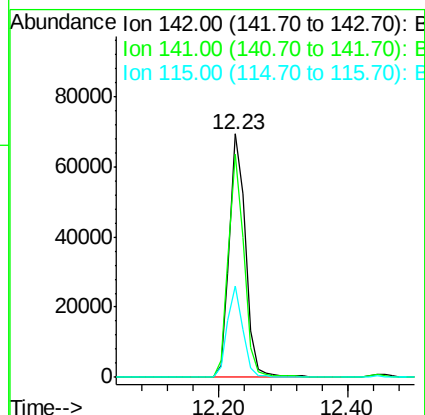
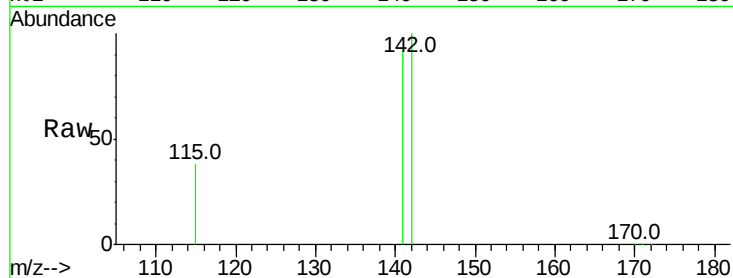
Tot Ion:142 Resp: 120350

Ion Ratio Lower Upper

142 100

141 91.9 71.4 107.0

115 37.7 30.3 45.5



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

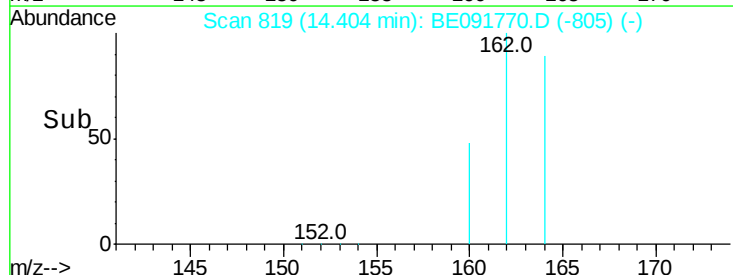
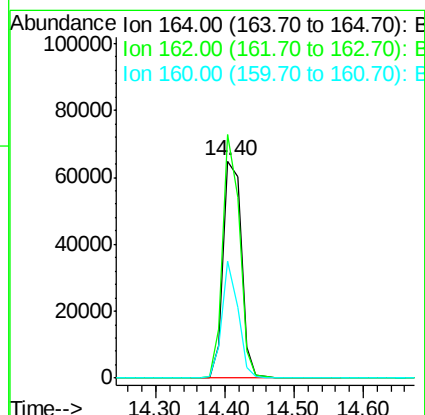
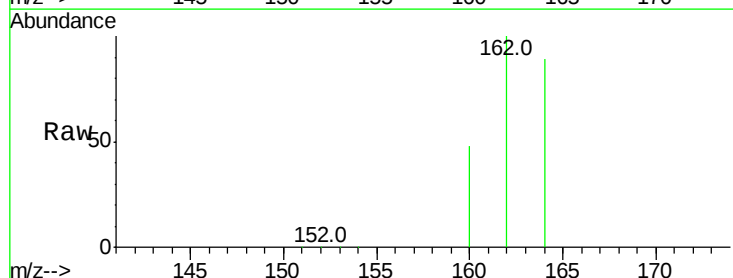
Tgt Ion:164 Resp: 118051

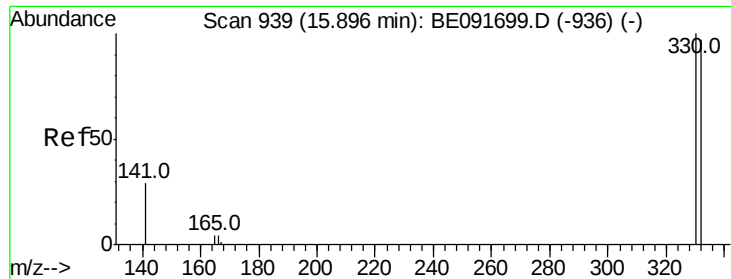
Ion Ratio Lower Upper

164 100

162 112.2 85.3 127.9

160 54.0 46.2 69.2

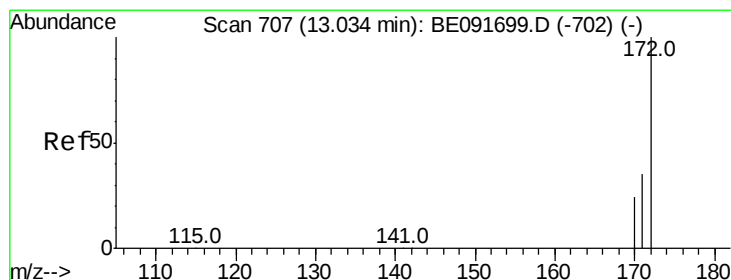
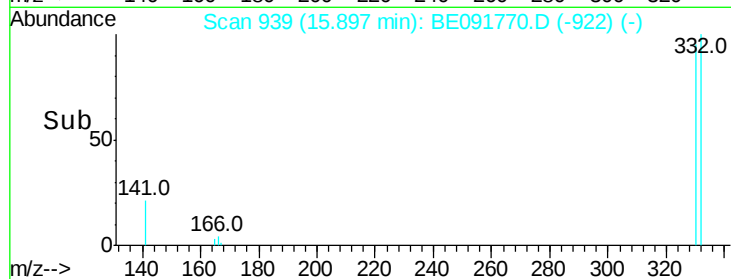
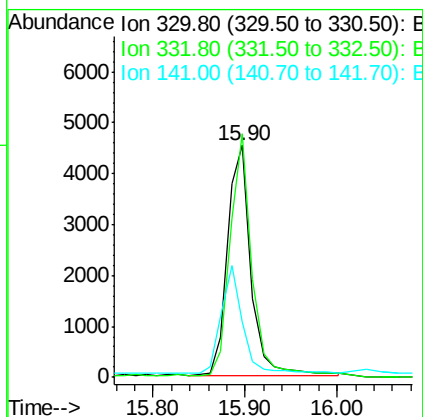
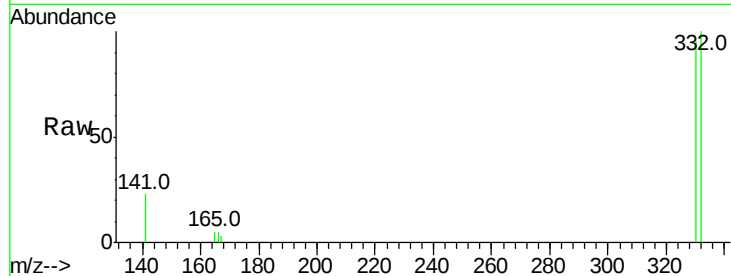




#14
 2,4,6-Tribromophenol
 Concen: 1.93 ng
 RT: 15.90 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BE091770.D
 Acq: 10 May 2016 23:36

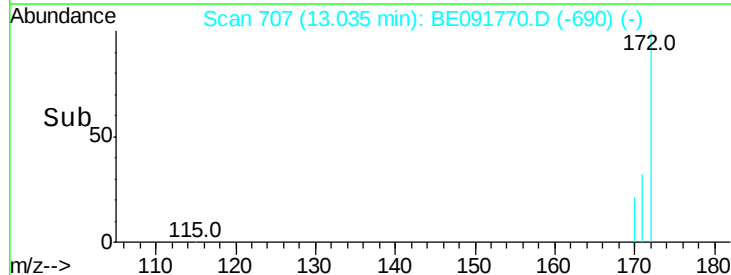
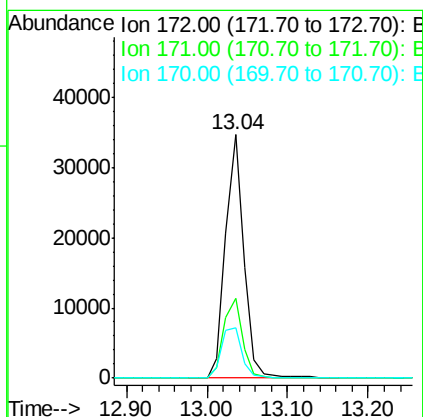
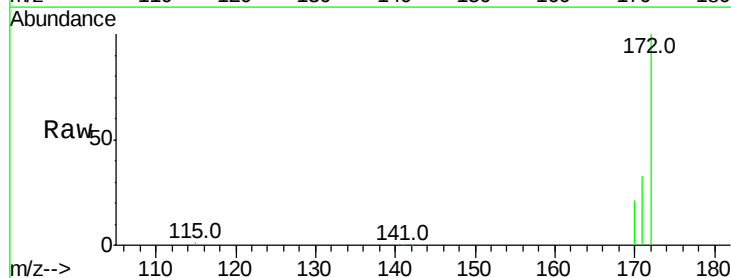
Instrument :
 BNA_E
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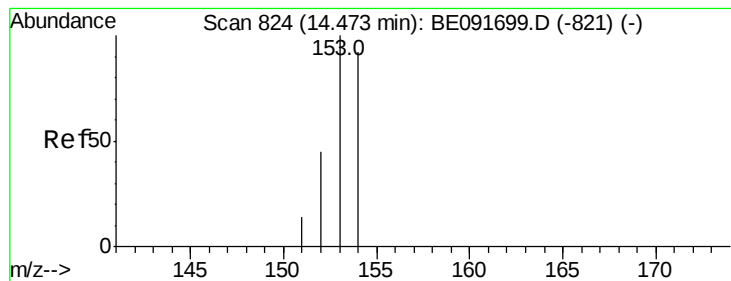
Tot Ion:330 Resp: 7944
 Ion Ratio Lower Upper
 330 100
 332 97.4 79.1 118.7
 141 42.6 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 1.62 ng
 RT: 13.04 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091770.D
 Acq: 10 May 2016 23:36

Tgt Ion:172 Resp: 54140
 Ion Ratio Lower Upper
 172 100
 171 32.6 28.8 43.2
 170 20.9 19.3 28.9





#17

Acenaphthene

Concen: 1.89 ng

RT: 14.47 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampled :

PT-BNA-SOIL

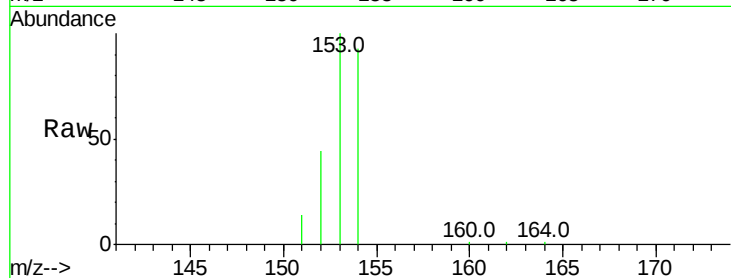
Tot Ion:154 Resp: 55682

Ion Ratio Lower Upper

154 100

153 114.0 80.0 120.0

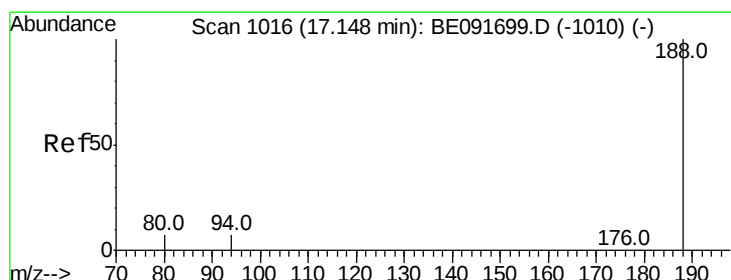
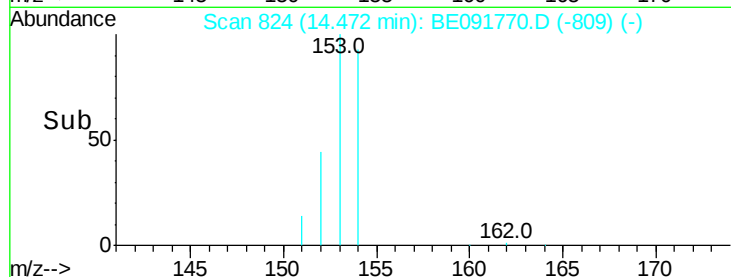
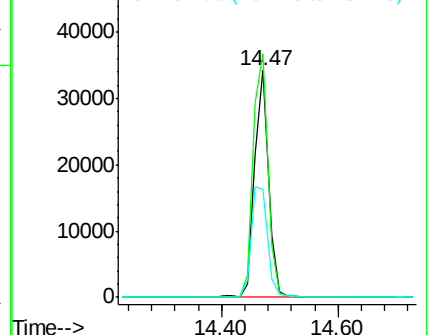
152 56.6 40.0 60.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

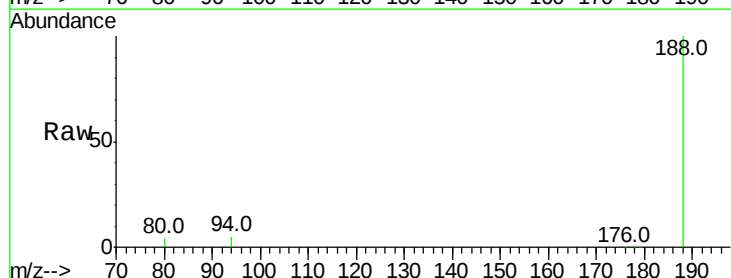
Tgt Ion:188 Resp: 314841

Ion Ratio Lower Upper

188 100

94 5.0 8.7 13.1#

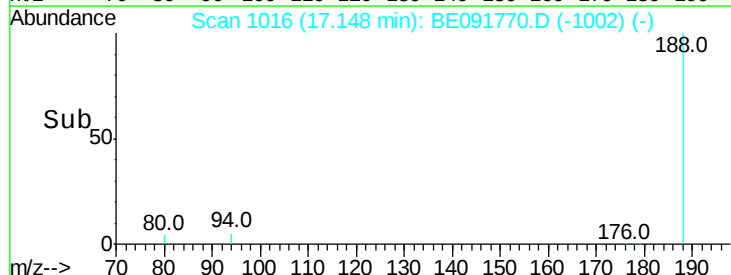
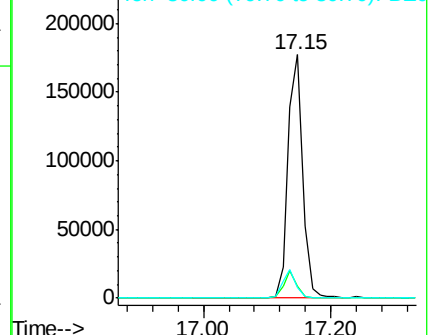
80 4.4 9.4 14.0#

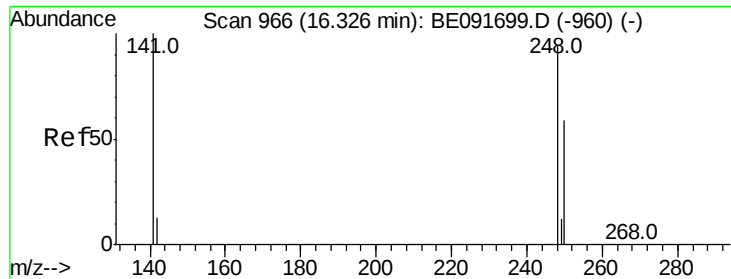


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

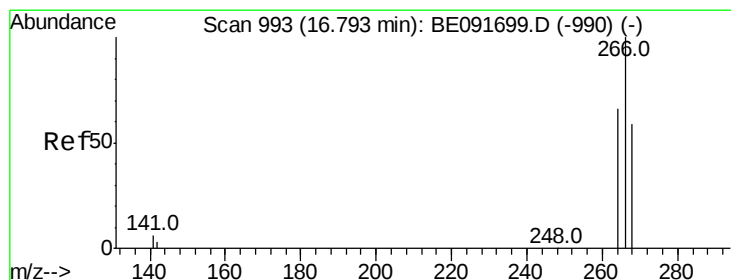
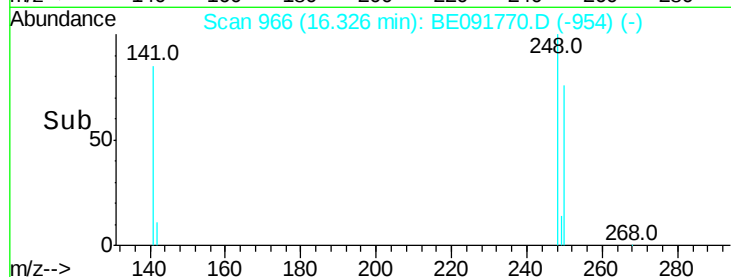
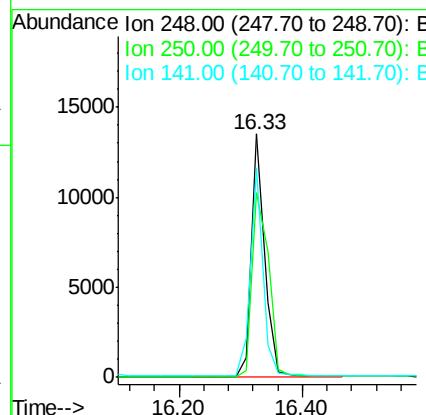
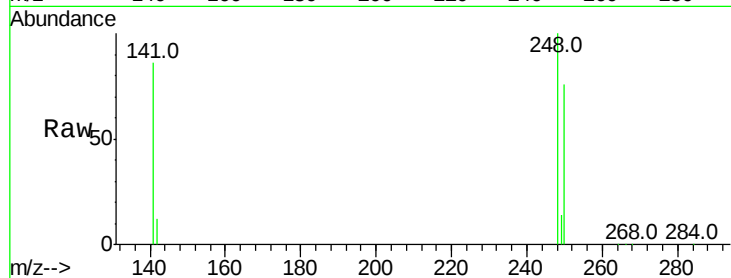




#20
4-Bromophenyl-phenylether
Concen: 1.76 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

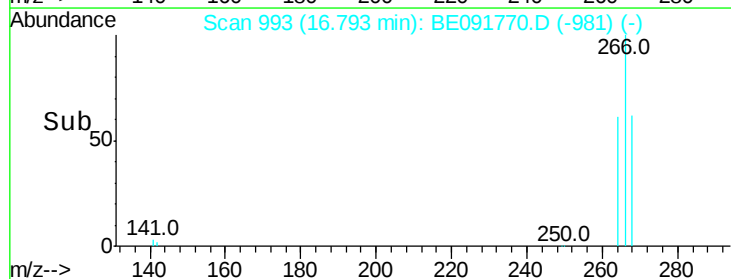
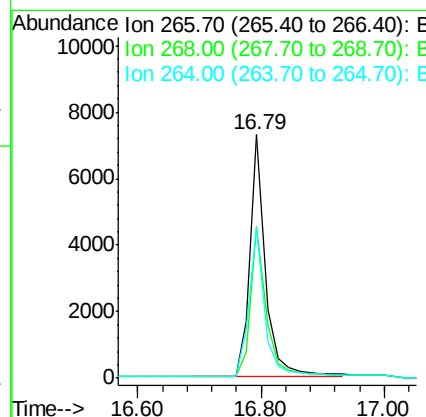
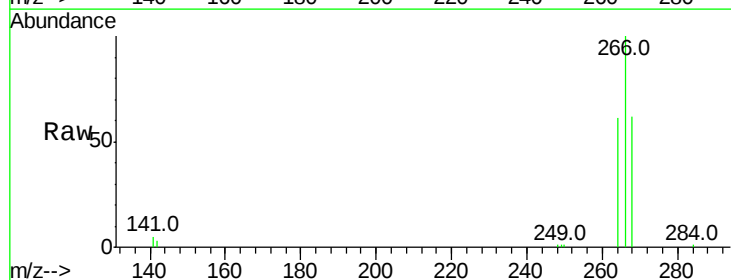
Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

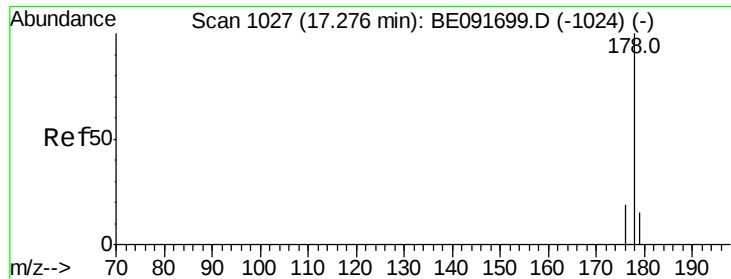
Tot Ion:248 Resp: 19913
Ion Ratio Lower Upper
248 100
250 95.1 80.5 120.7
141 82.0 72.0 108.0



#22
Pentachlorophenol
Concen: 2.15 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

Tgt Ion:266 Resp: 12719
Ion Ratio Lower Upper
266 100
268 62.0 58.2 87.2
264 61.4 56.2 84.4

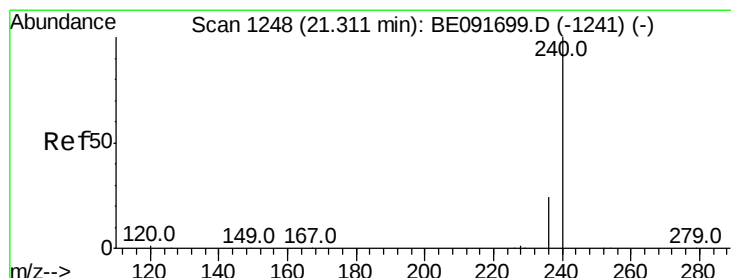
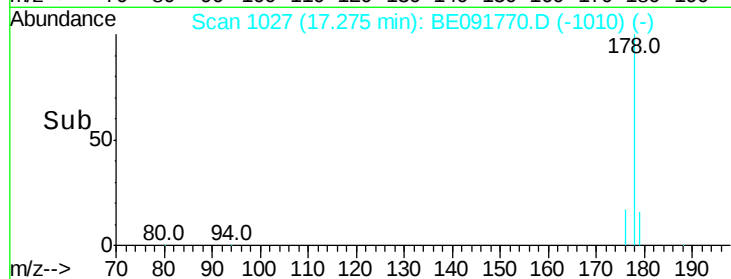
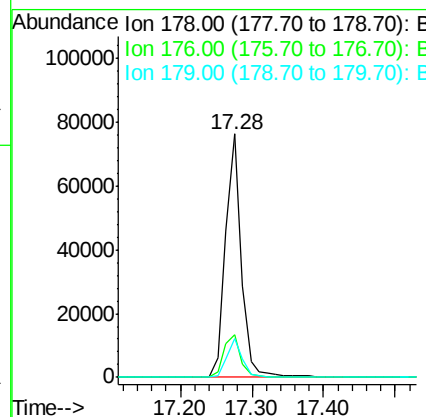
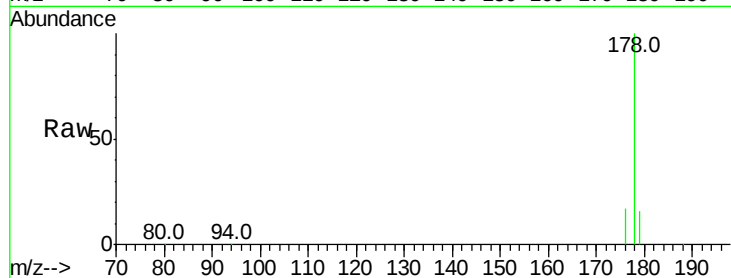




#24
 Anthracene
 Concen: 1.81 ng
 RT: 17.28 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE091770.D
 Acq: 10 May 2016 23:36

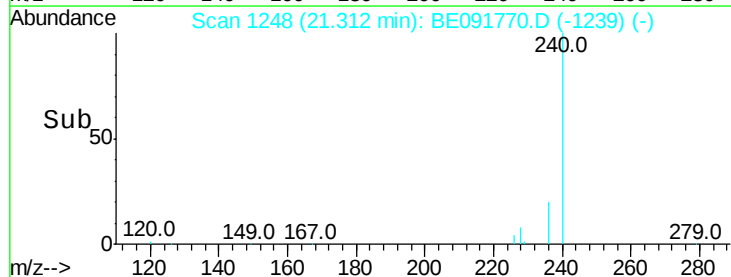
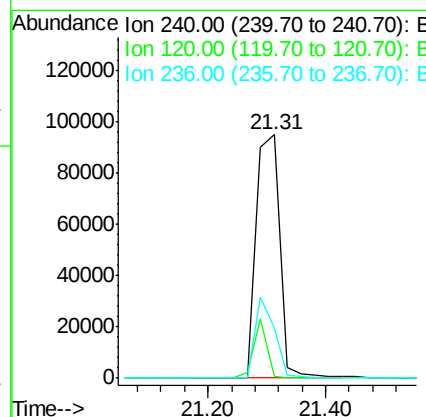
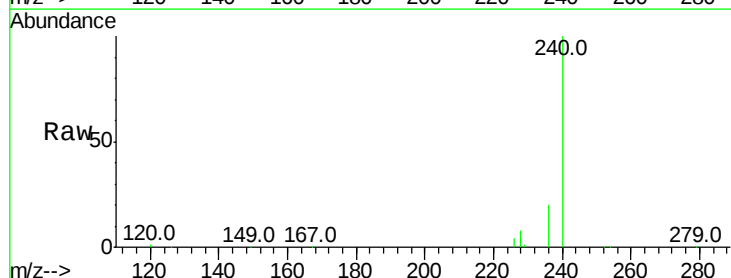
Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

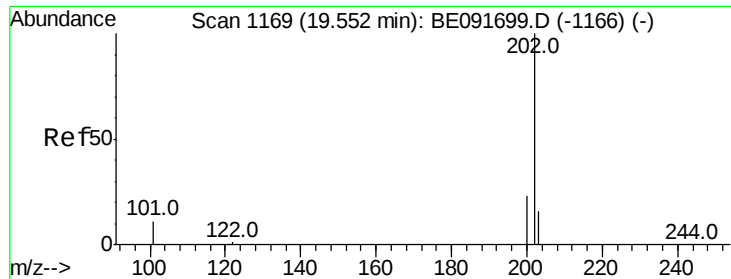
Tot Ion:178 Resp: 116660
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 15.4 11.8 17.6



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BE091770.D
 Acq: 10 May 2016 23:36

Tgt Ion:240 Resp: 266014
 Ion Ratio Lower Upper
 240 100
 120 0.9 11.0 16.4#
 236 20.4 21.7 32.5#

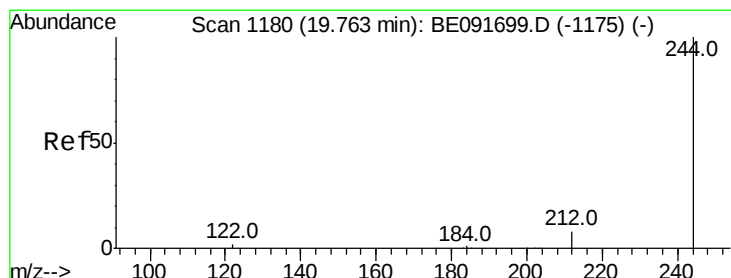
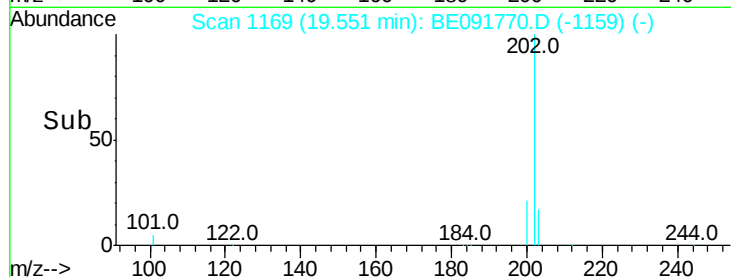
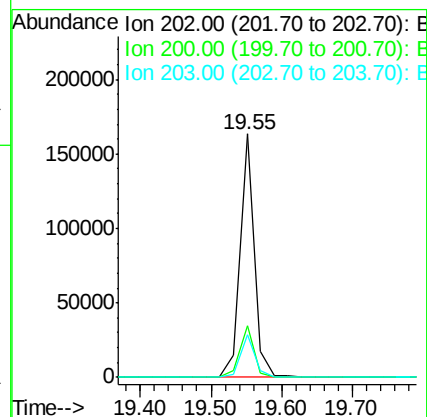
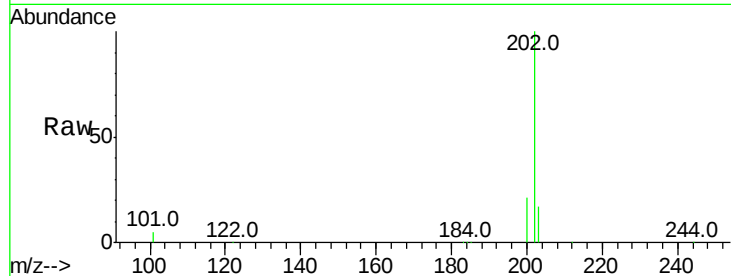




#28
Pvrene
Concen: 3.81 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

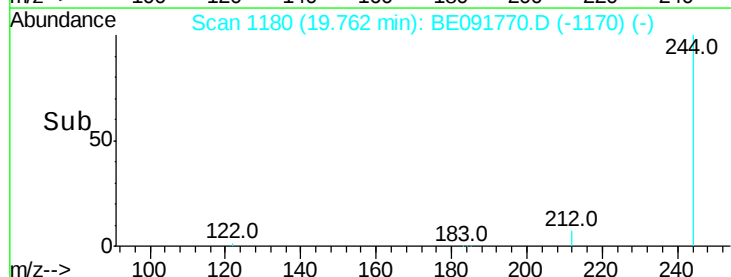
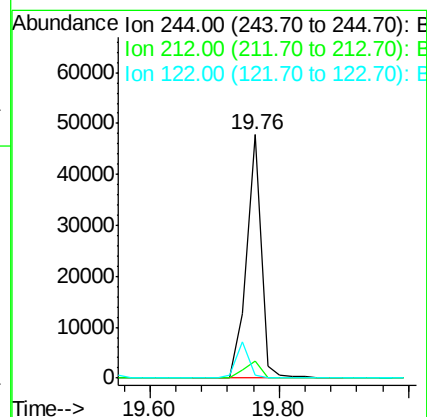
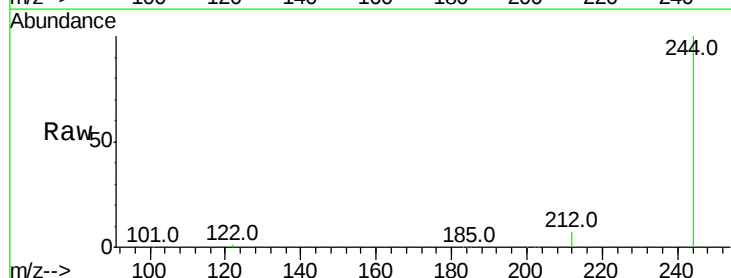
Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

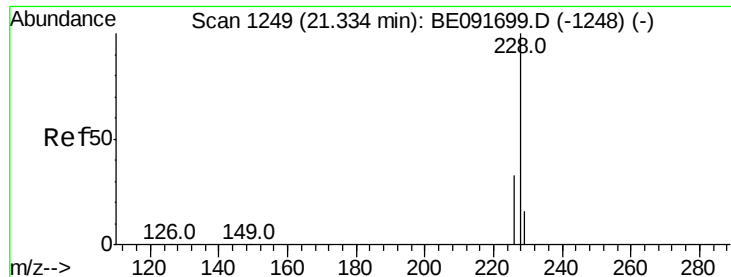
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.5	14.0	21.0



#29
Terphenyl-d14
Concen: 1.78 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.9	10.3#
122	1.2	11.0	16.4#





#32

Chrysene

Concen: 3.29 ng

RT: 21.34 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

Instrument :

BNA_E

ClientSampleId :

PT-BNA-SOIL

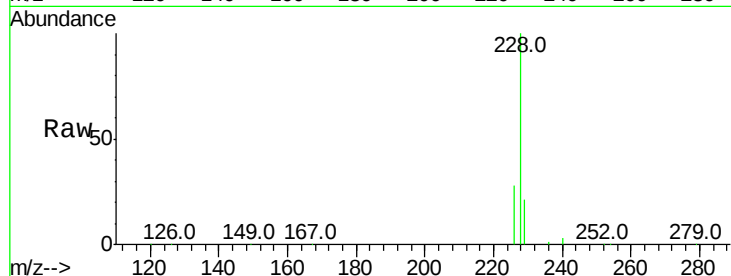
Tot Ion:228 Resp: 222407

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

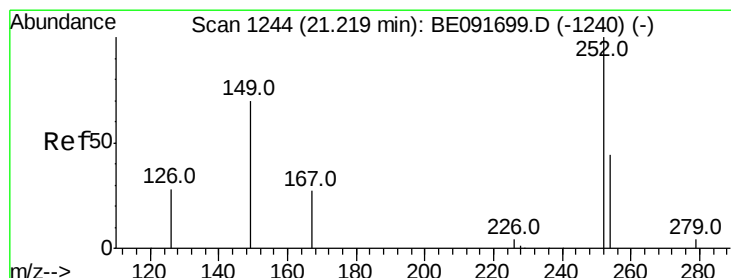
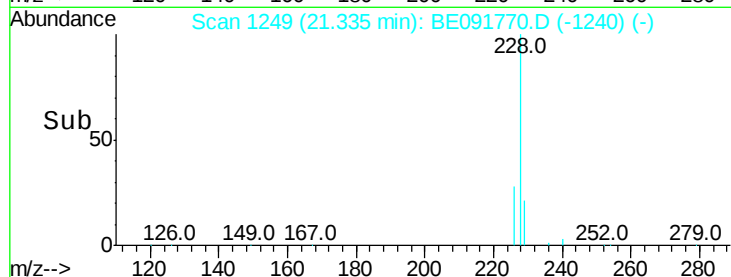
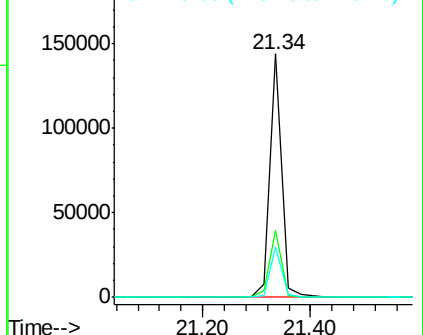
229 20.5 15.9 23.9



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 5.03 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091770.D

Acq: 10 May 2016 23:36

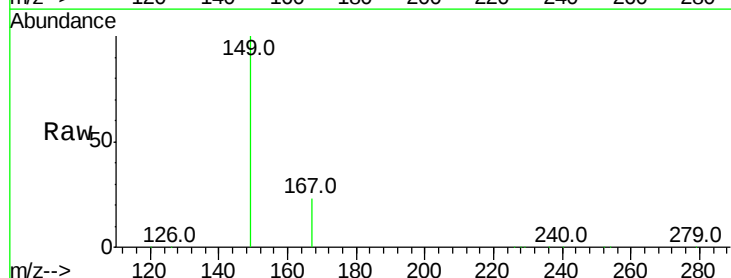
Tgt Ion:149 Resp: 98974

Ion Ratio Lower Upper

149 100

167 24.0 19.5 29.3

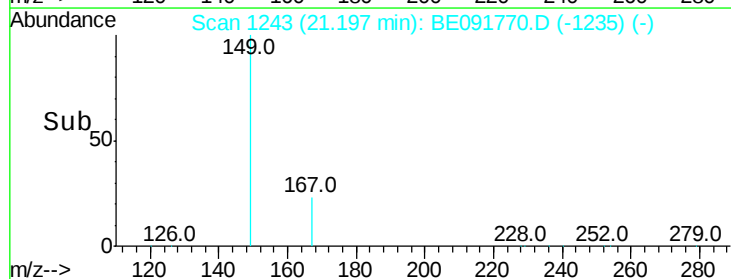
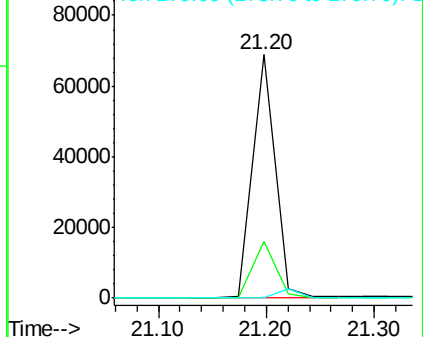
279 0.0 10.0 15.0#

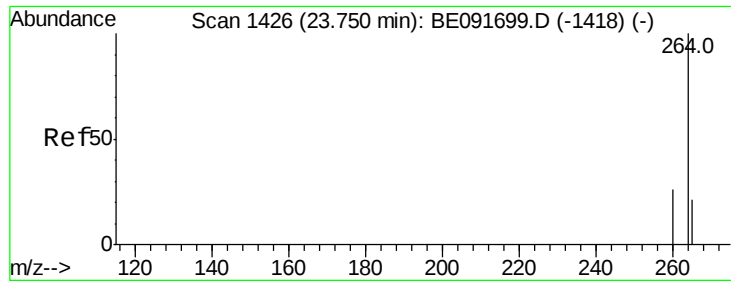


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

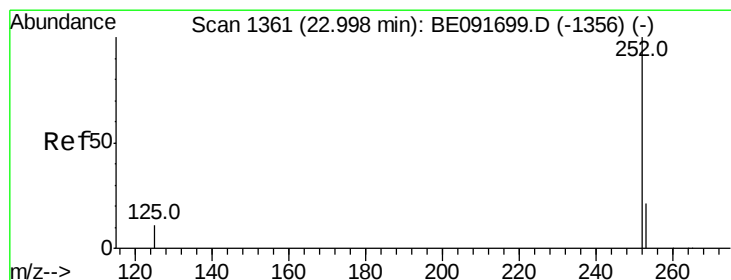
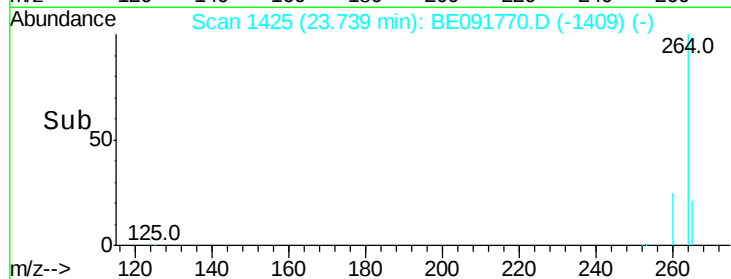
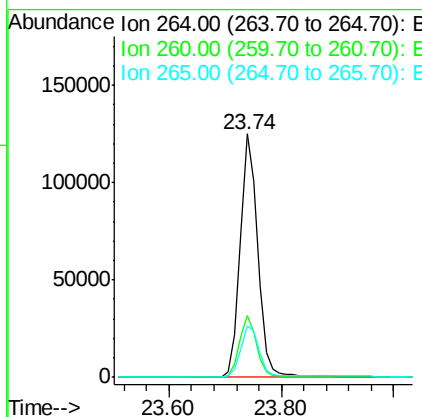
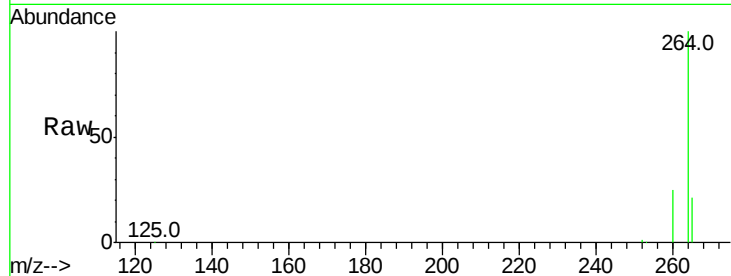




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

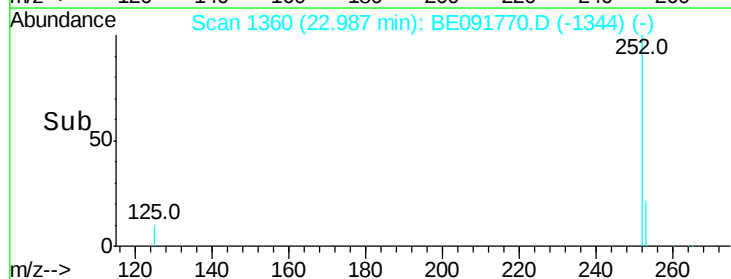
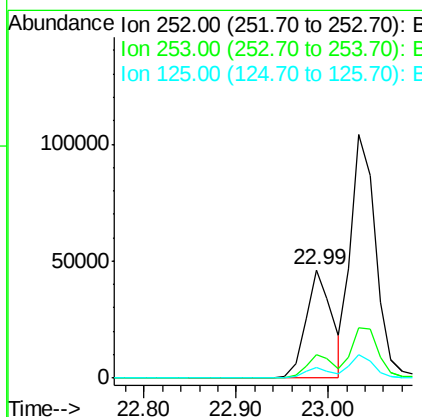
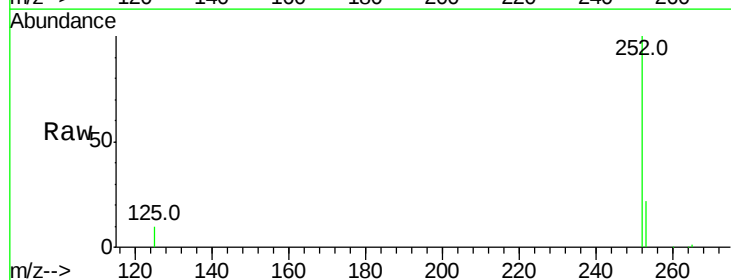
Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

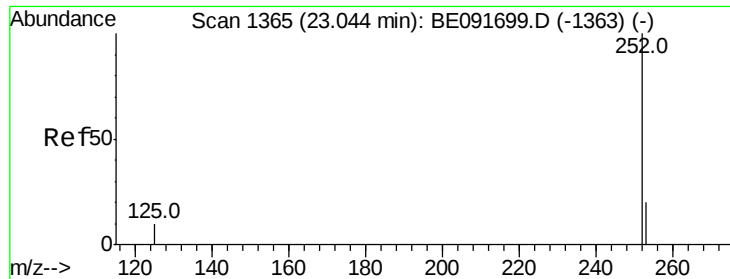
Tot Ion:264 Resp: 277200
Ion Ratio Lower Upper
264 100
260 25.2 20.0 30.0
265 21.2 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 1.39 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

Tgt Ion:252 Resp: 90212
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.0 10.2 15.2#

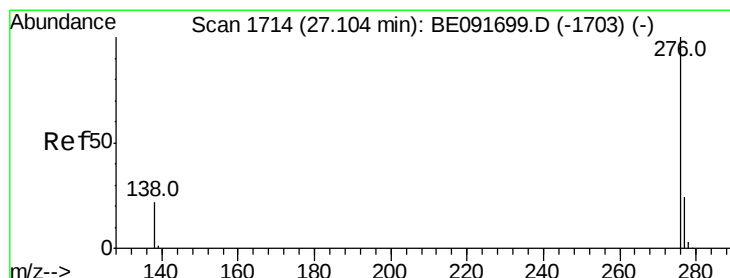
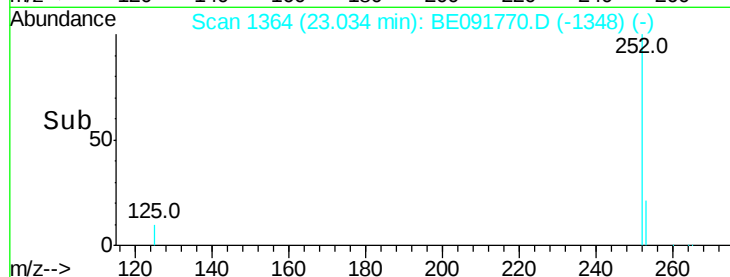
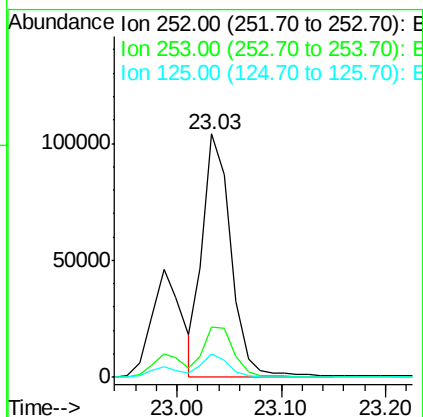
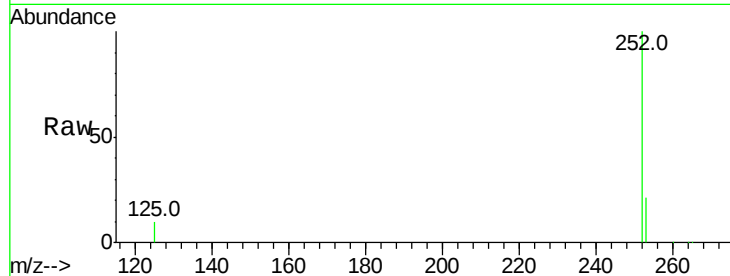




#37
Benzo(k)fluoranthene
Concen: 3.04 ng m
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion:252 Resp: 200464
Ion Ratio Lower Upper
252 100
253 20.9 17.6 26.4
125 9.7 9.9 14.9#



#40
Benzo(g,h,i)perylene
Concen: 1.40 ng
RT: 27.08 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE091770.D
Acq: 10 May 2016 23:36

Tgt Ion:276 Resp: 82446
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 19.9 20.4 30.6#

