

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
 Data File : BE091656.D
 Acq On : 13 Apr 2016 14:20
 Operator : UM/SJ
 Sample : H1984-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Apr 14 00:52:21 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	34253	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	163588	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	99343	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	254870	5.00	ng	0.00
26) Chrysene-d12	21.31	240	282200	5.00	ng	0.00
35) Perylene-d12	23.75	264	270314	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	60225	7.37	ng	0.00
5) Phenol-d6	6.97	99	85506	7.85	ng	0.00
8) Nitrobenzene-d5	8.96	82	34528	3.63	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	25261	6.98	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	114038	4.13	ng	0.00
29) Terphenyl-d14	19.76	244	179055	5.08	ng	0.00

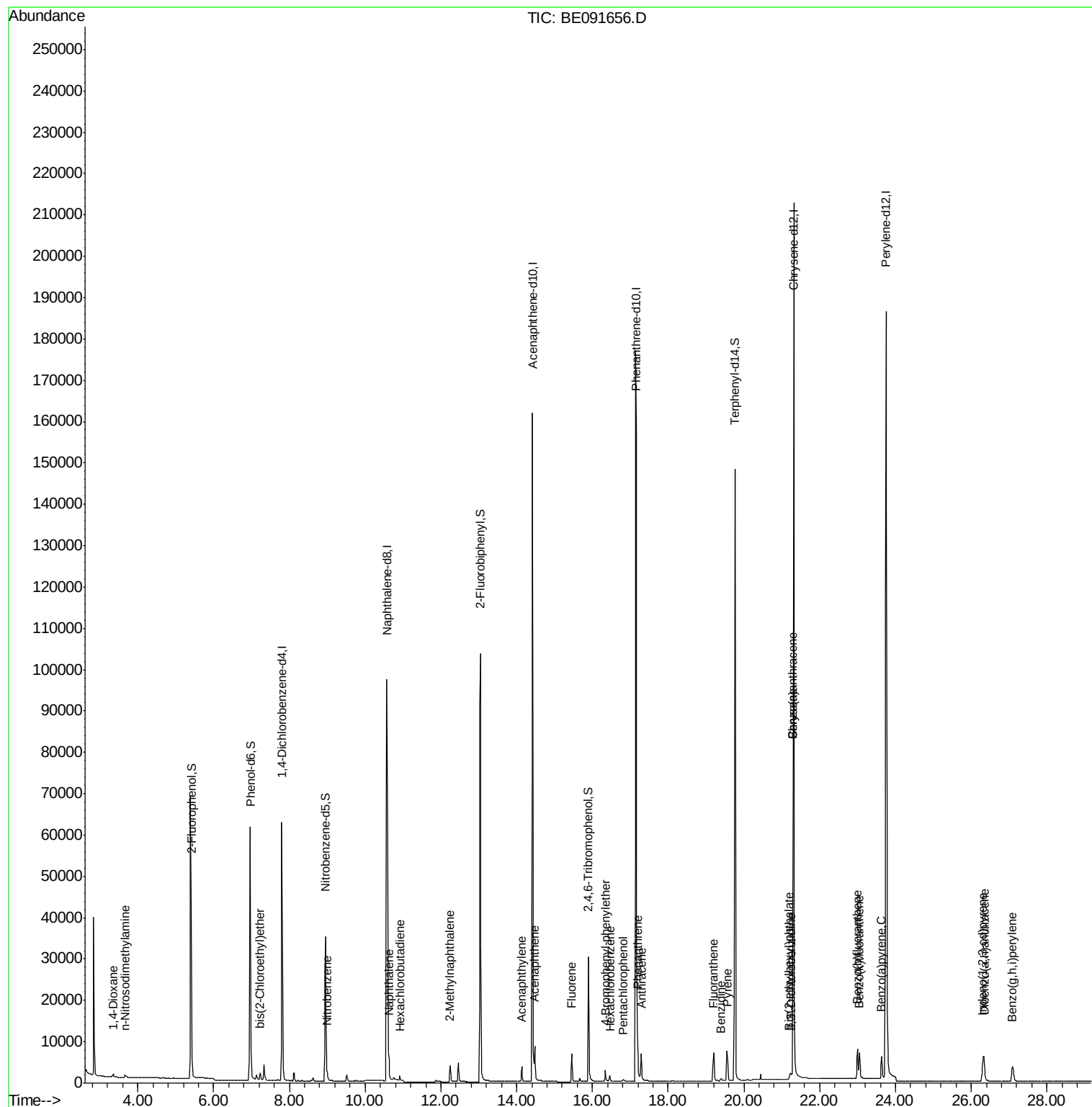
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	777	0.12	ng	86
3) n-Nitrosodimethylamine	3.66	42	648	0.12	ng	# 99
6) bis(2-Chloroethyl)ether	7.23	93	1381	0.15	ng	# 74
9) Nitrobenzene	8.99	77	1627	0.30	ng	# 96
10) Naphthalene	10.63	128	5677	0.17	ng	98
11) Hexachlorobutadiene	10.92	225	1306	0.26	ng	# 78
12) 2-Methylnaphthalene	12.24	142	3597	0.17	ng	93
16) Acenaphthylene	14.14	152	6271	0.16	ng	# 87
17) Acenaphthene	14.47	154	3955	0.16	ng	85
18) Fluorene	15.46	166	4896	0.16	ng	99
20) 4-Bromophenyl-phenylether	16.34	248	1424	0.16	ng	97
21) Hexachlorobenzene	16.46	284	1550	0.17	ng	98
22) Pentachlorophenol	16.81	266	355	0.29	ng	97
23) Phenanthrene	17.19	178	10215	0.18	ng	98
24) Anthracene	17.29	178	8115	0.16	ng	99
25) Fluoranthene	19.21	202	9385	0.15	ng	98
27) Benzidine	19.40	184	1756	0.39	ng	94
28) Pyrene	19.55	202	9930	0.18	ng	99
30) Benzo(a)anthracene	21.29	228	11384	0.18	ng	96
31) 3,3'-Dichlorobenzidine	21.24	252	1570	0.20	ng	88
32) Chrysene	21.29	228	11384	0.20	ng	92
33) Bis(2-ethylhexyl)phthalate	21.20	149	2072	0.31	ng	# 57
34) Indeno(1,2,3-cd)pyrene	26.31	276	10795	0.17	ng	96
36) Benzo(b)fluoranthene	23.00	252	10503	0.17	ng	97
37) Benzo(k)fluoranthene	23.05	252	10209	0.16	ng	97
38) Benzo(a)pyrene	23.63	252	9080	0.16	ng	95
39) Dibenzo(a,h)anthracene	26.34	278	8710	0.15	ng	95
40) Benzo(g,h,i)perylene	27.09	276	9432	0.16	ng	97

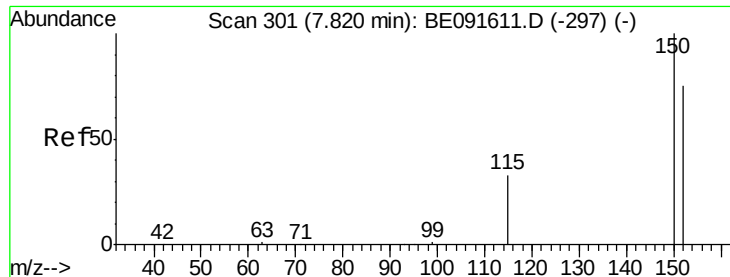
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

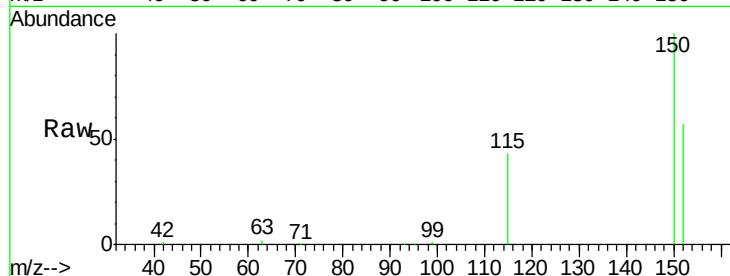
Tgt Ion:152 Resp: 34253

Ion Ratio Lower Upper

152 100

150 175.0 122.6 183.8

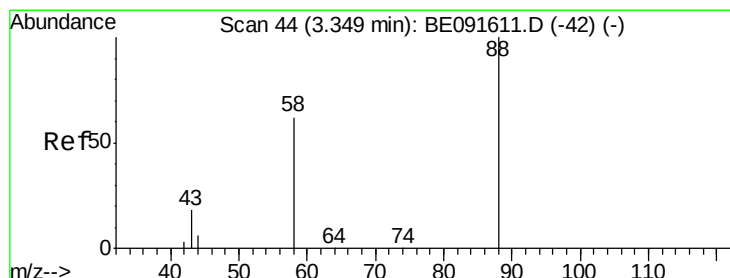
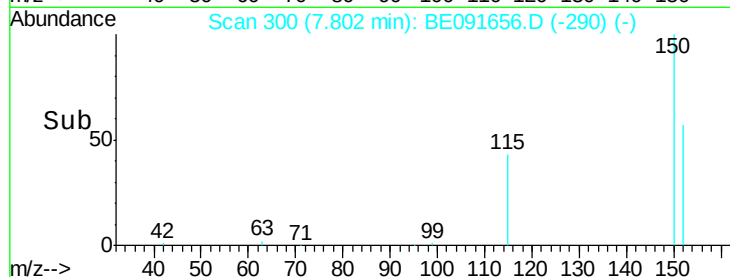
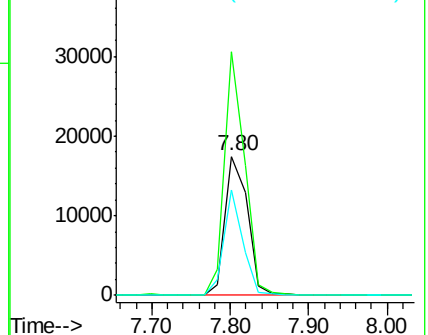
115 75.4 52.8 79.2



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



#2

1,4-Dioxane

Concen: 0.12 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

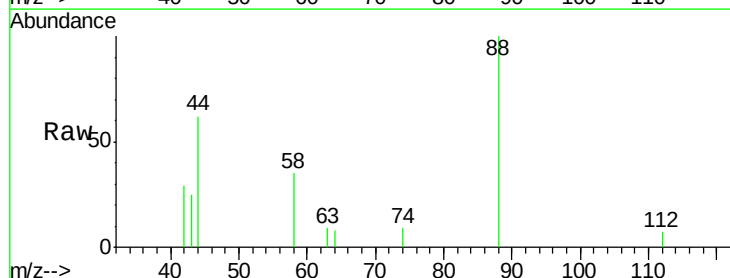
Tgt Ion: 88 Resp: 777

Ion Ratio Lower Upper

88 100

58 66.0 65.8 98.6

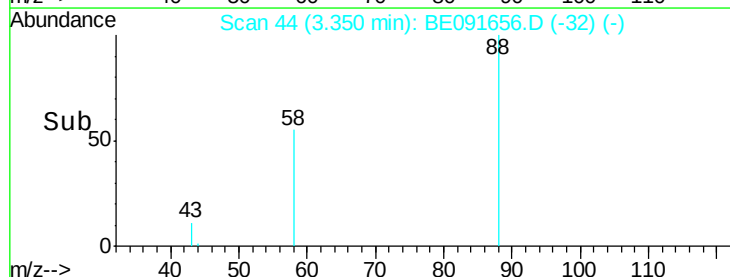
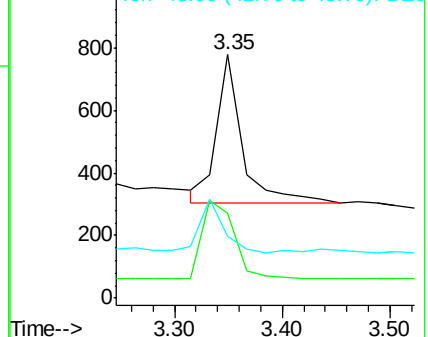
43 33.6 25.3 37.9

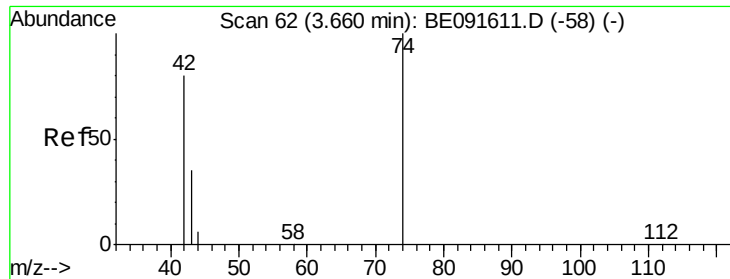


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.66 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

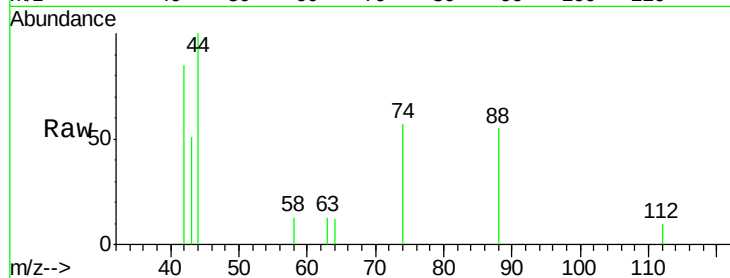
Tgt Ion: 42 Resp: 648

Ion Ratio Lower Upper

42 100

74 109.6 87.9 131.9

44 10.2 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

3.66

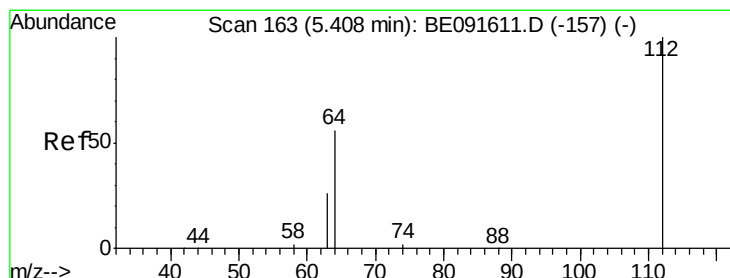
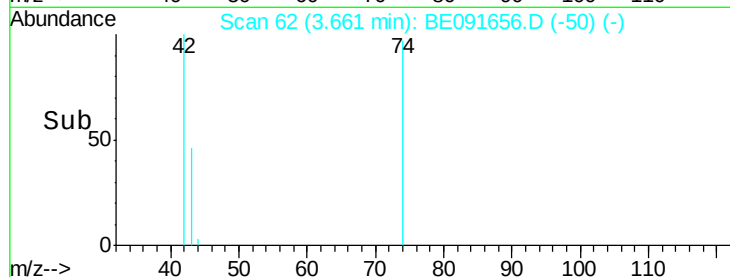
400

200

0

3.60 3.70 3.80

Time-->



#4

2-Fluorophenol

Concen: 7.37 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

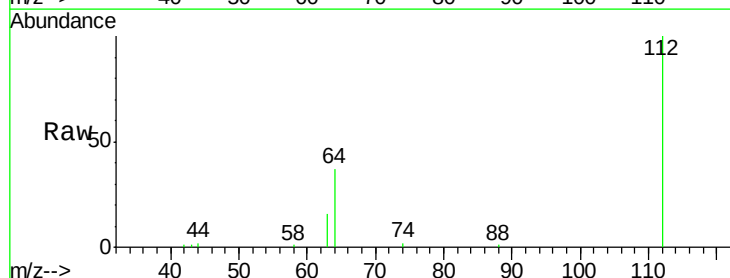
Tgt Ion: 112 Resp: 60225

Ion Ratio Lower Upper

112 100

64 69.5 30.9 46.3#

63 37.9 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.41

30000

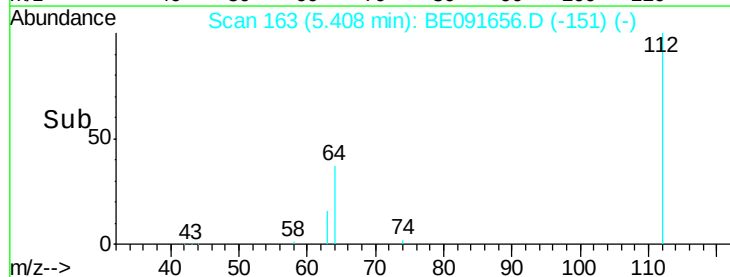
20000

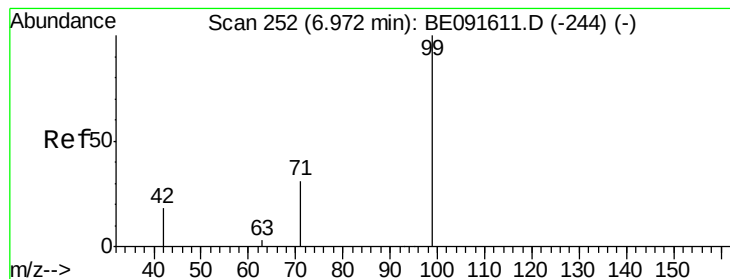
10000

0

5.30 5.40 5.50 5.60

Time-->





#5

Phenol-d6

Concen: 7.85 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

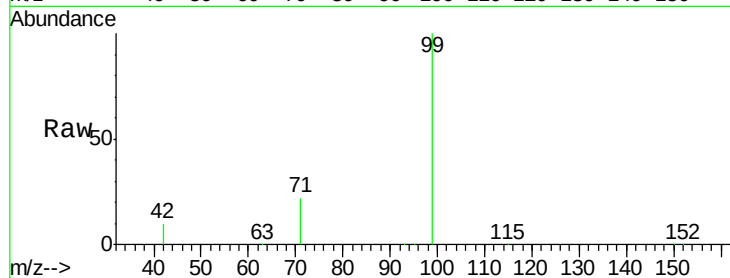
Tgt Ion: 99 Resp: 85506

Ion Ratio Lower Upper

99 100

42 25.4 16.2 24.2#

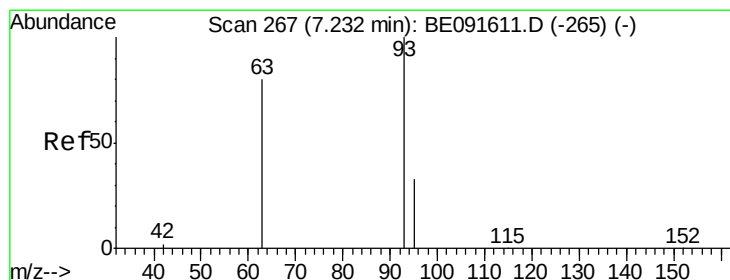
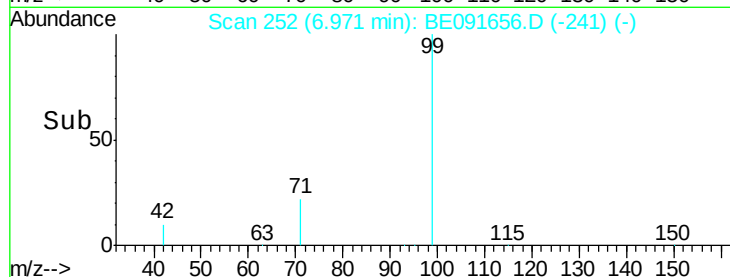
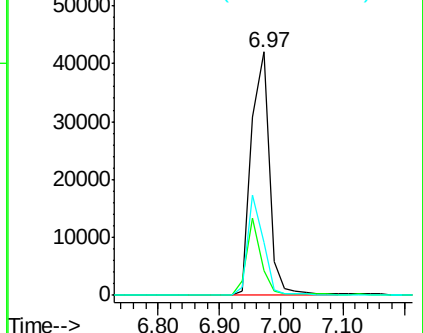
71 36.1 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

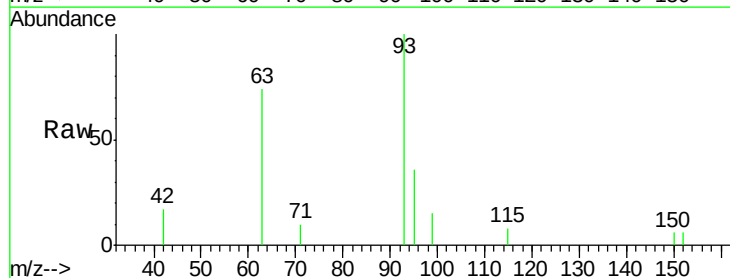
Tgt Ion: 93 Resp: 1381

Ion Ratio Lower Upper

93 100

63 87.5 49.5 74.3#

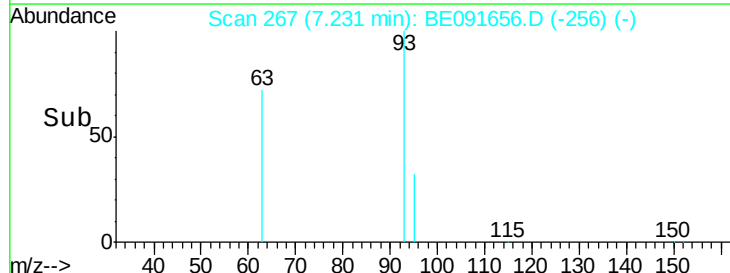
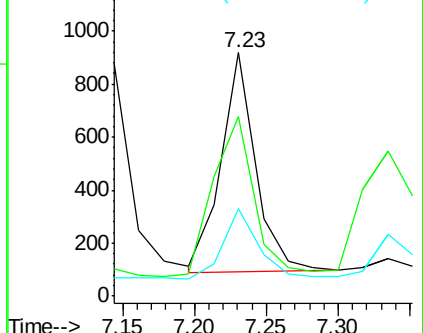
95 33.2 22.2 33.4

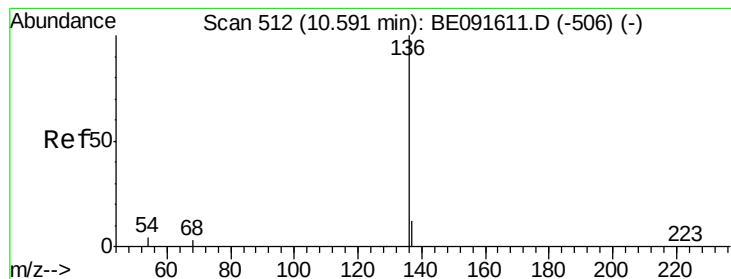


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.02 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:136 Resp: 163588

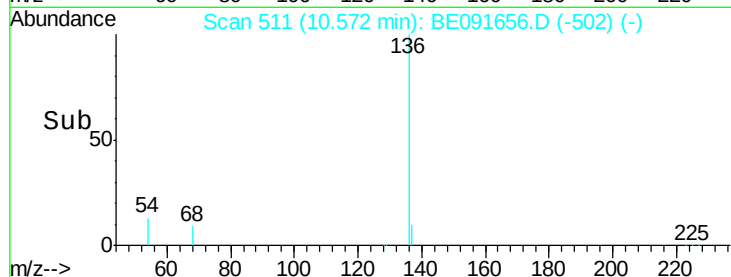
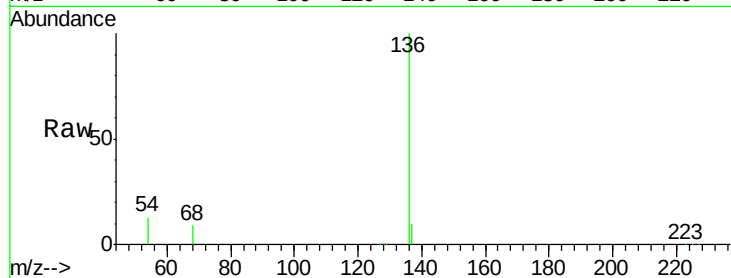
Ion Ratio Lower Upper

136 100

137 9.9 8.9 13.3

54 13.2 8.2 12.4#

68 8.7 6.2 9.4

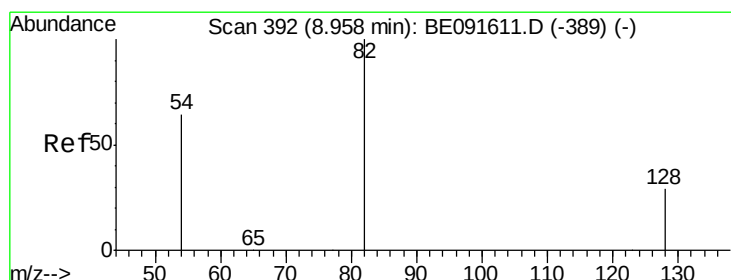
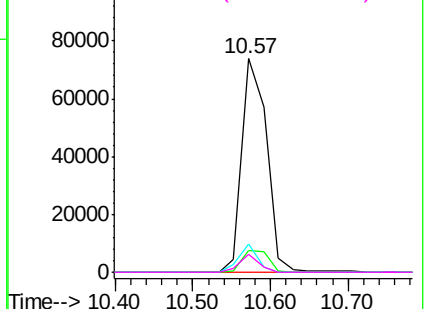


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.63 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

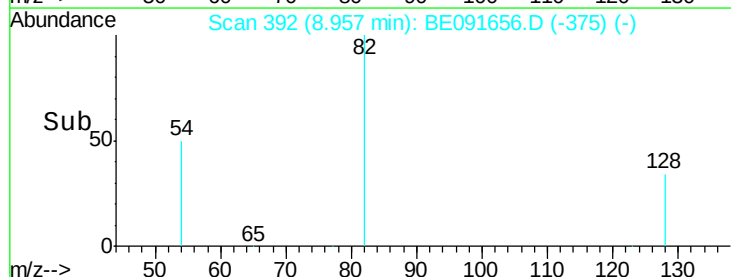
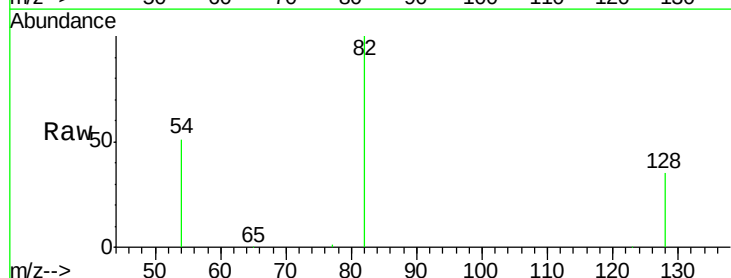
Tgt Ion: 82 Resp: 34528

Ion Ratio Lower Upper

82 100

128 34.5 25.4 38.0

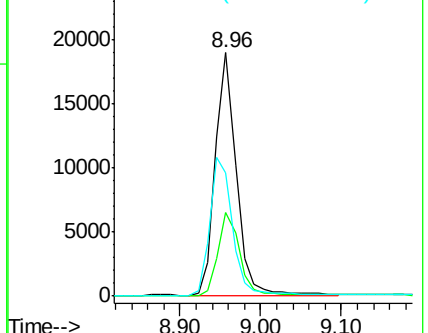
54 50.6 48.4 72.6

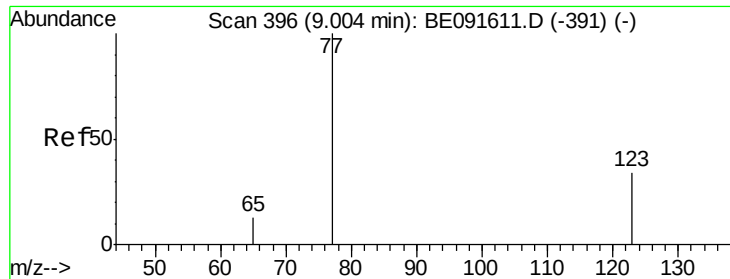


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.30 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

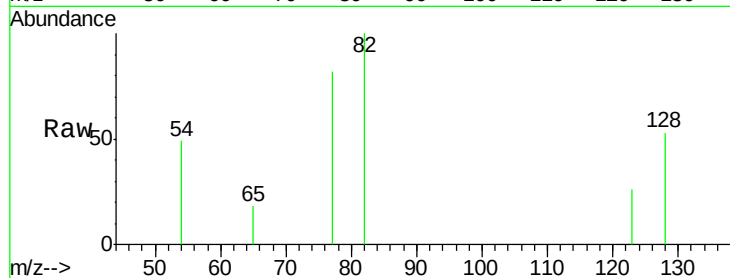
Tgt Ion: 77 Resp: 1627

Ion Ratio Lower Upper

77 100

123 34.1 26.9 40.3

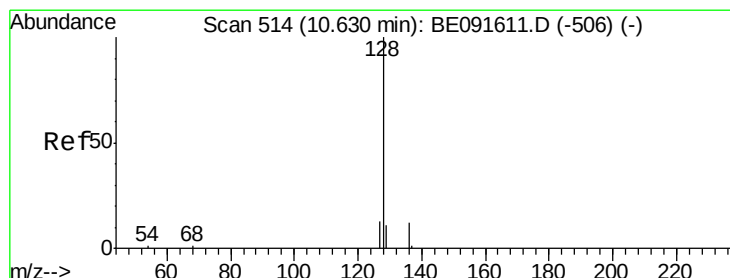
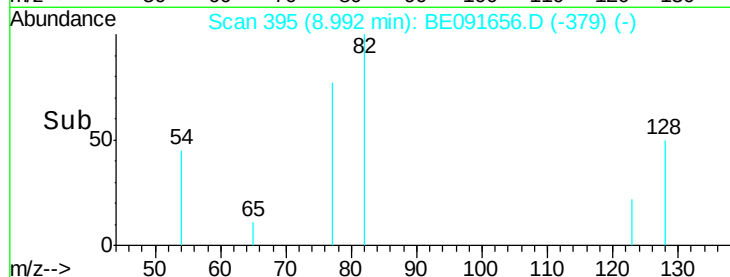
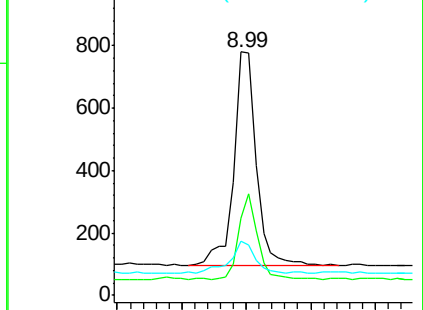
65 16.6 9.4 14.2#



Abundance Ion 77.00 (76.70 to 77.70): BE091611.D (-391) (-)

Ion 123.00 (122.70 to 123.70): BE091611.D (-391) (-)

Ion 65.00 (64.70 to 65.70): BE091611.D (-391) (-)



#10

Naphthalene

Concen: 0.17 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

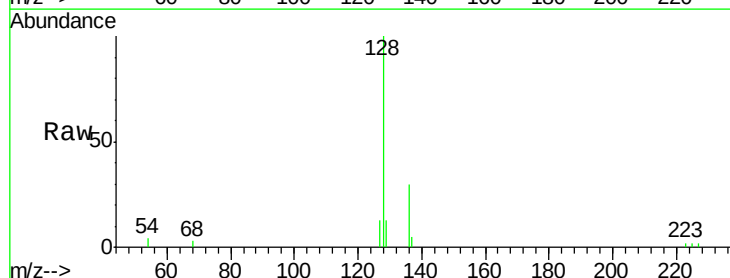
Tgt Ion: 128 Resp: 5677

Ion Ratio Lower Upper

128 100

129 12.8 9.3 13.9

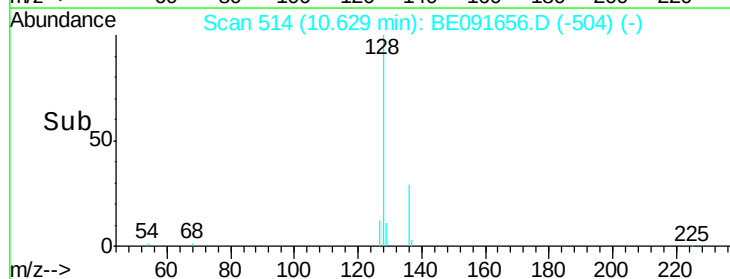
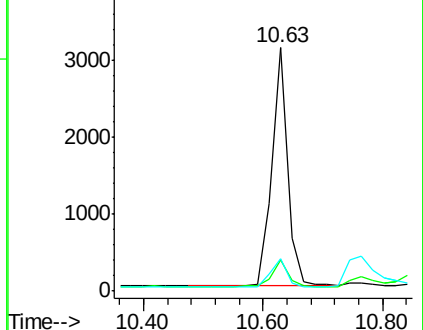
127 13.5 10.7 16.1

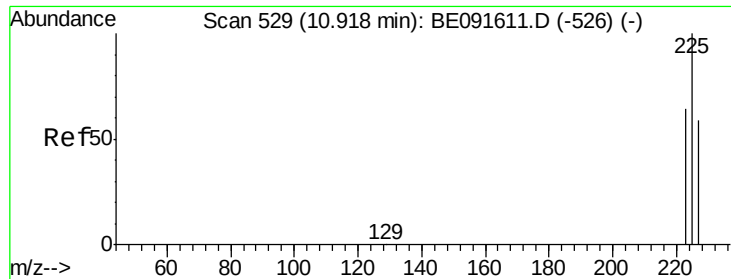


Abundance Ion 128.00 (127.70 to 128.70): BE091611.D (-506) (-)

Ion 129.00 (128.70 to 129.70): BE091611.D (-506) (-)

Ion 127.00 (126.70 to 127.70): BE091611.D (-506) (-)

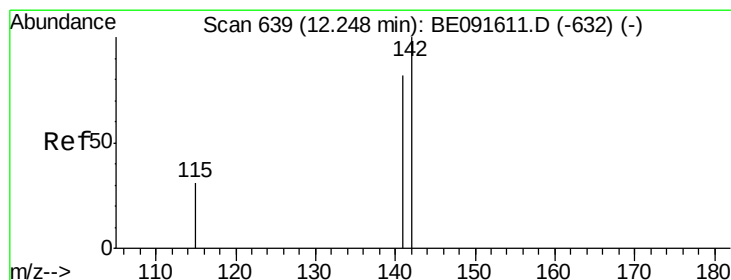
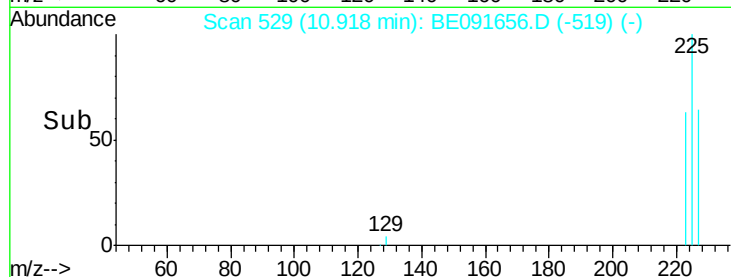
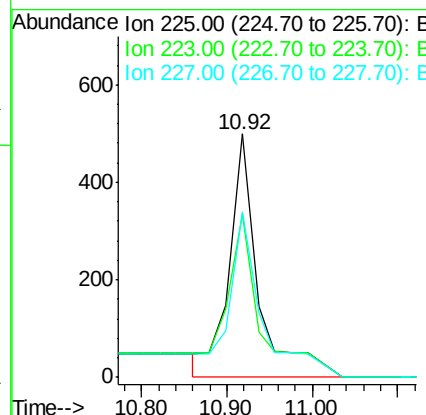
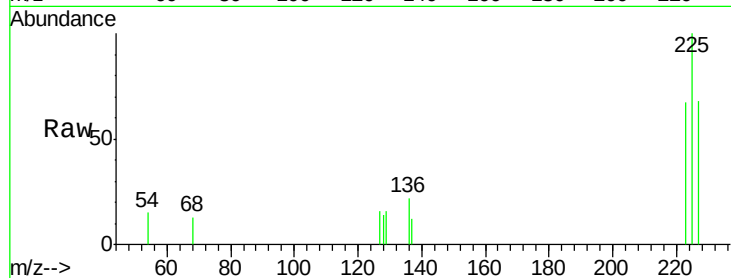




#11
Hexachlorobutadiene
Concen: 0.26 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

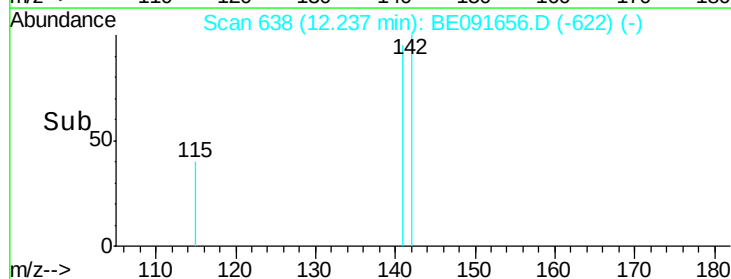
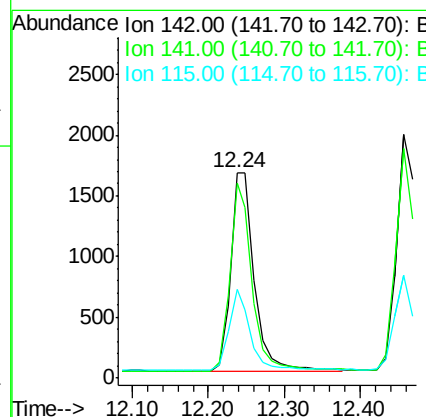
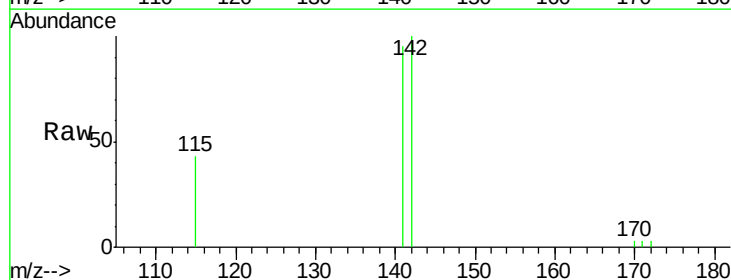
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

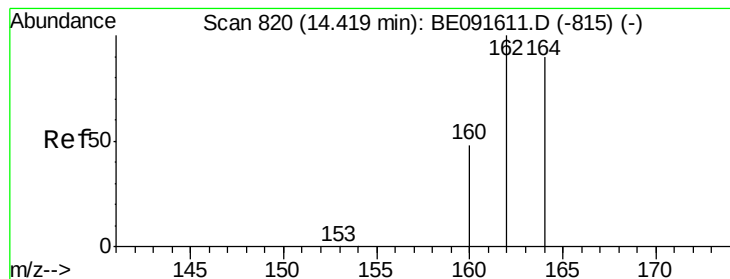
Tgt Ion: 225 Resp: 1306
Ion Ratio Lower Upper
225 100
223 77.9 49.0 73.6#
227 80.7 50.3 75.5#



#12
2-Methylnaphthalene
Concen: 0.17 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion: 142 Resp: 3597
Ion Ratio Lower Upper
142 100
141 94.9 71.4 107.0
115 43.0 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

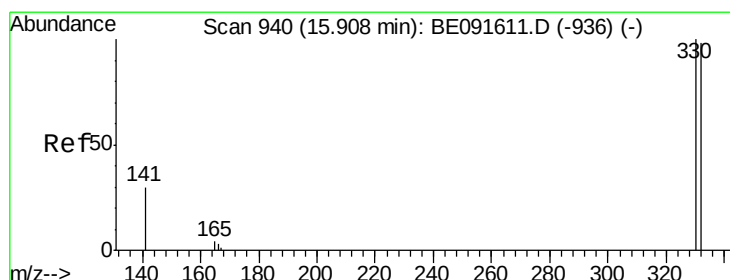
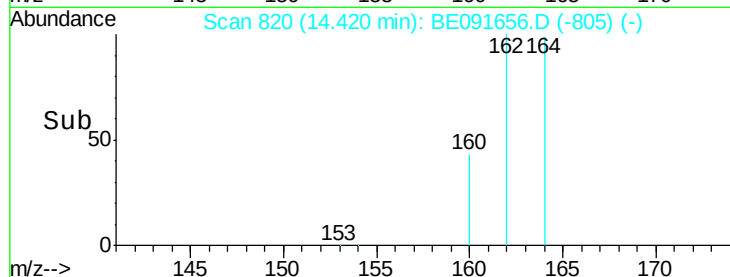
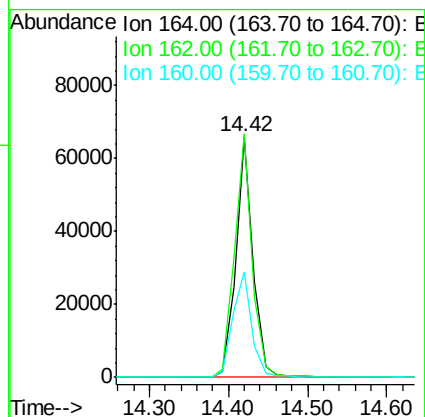
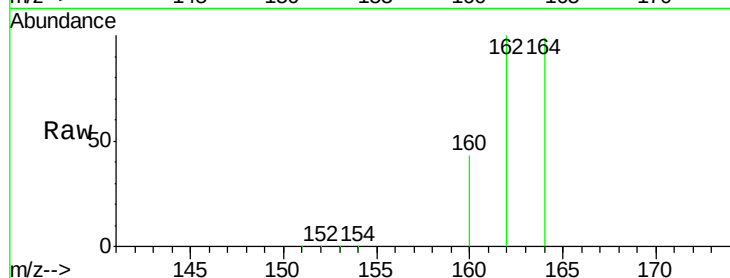
Tgt Ion:164 Resp: 99343

Ion Ratio Lower Upper

164 100

162 101.4 85.3 127.9

160 44.1 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 6.98 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

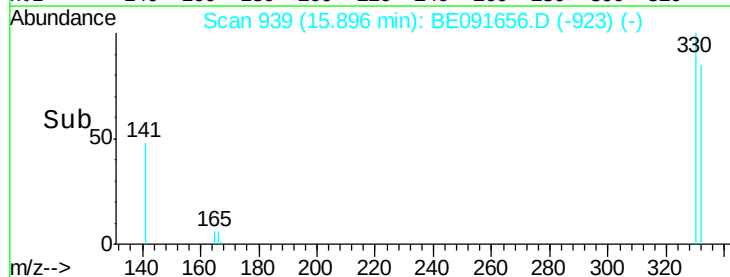
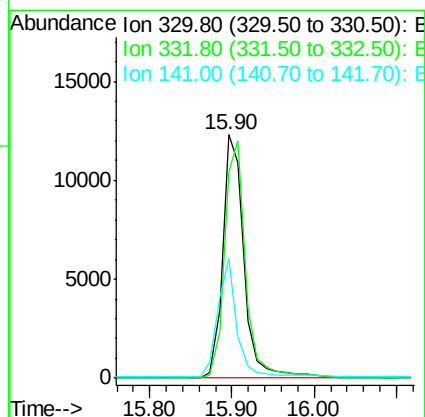
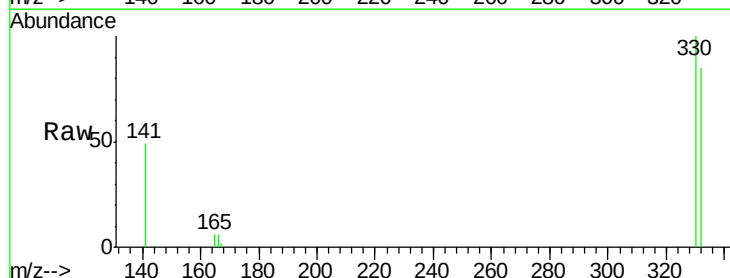
Tgt Ion:330 Resp: 25261

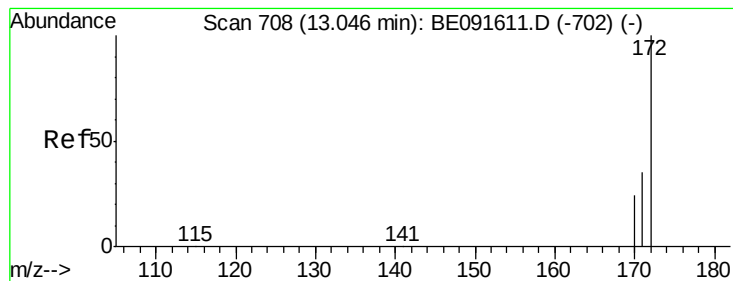
Ion Ratio Lower Upper

330 100

332 96.4 79.1 118.7

141 43.1 125.4 188.0#

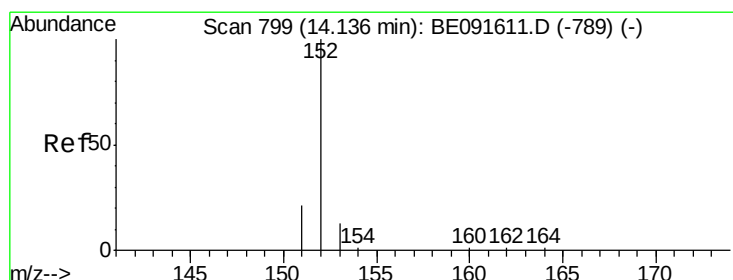
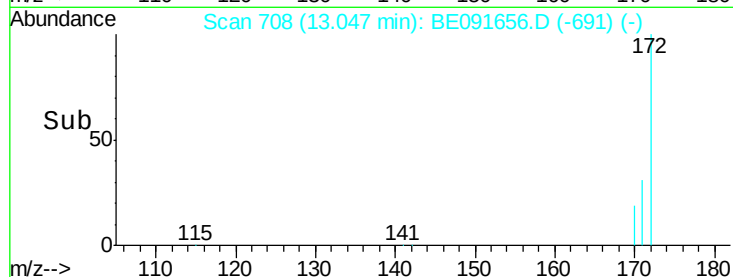
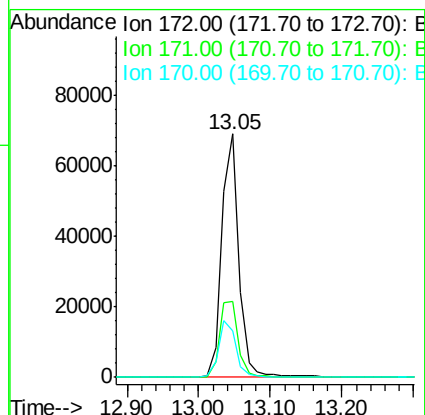
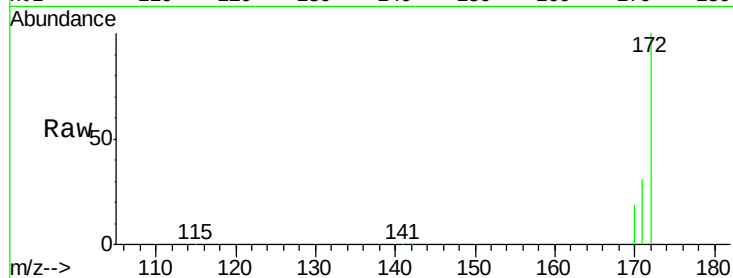




#15
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

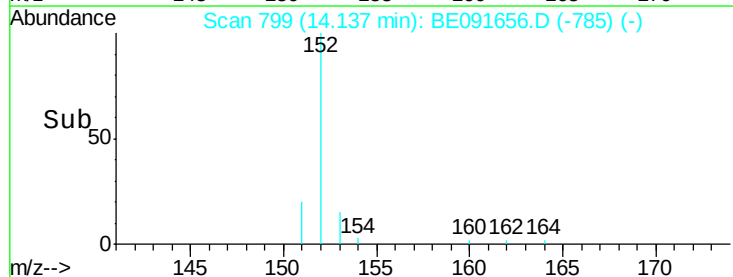
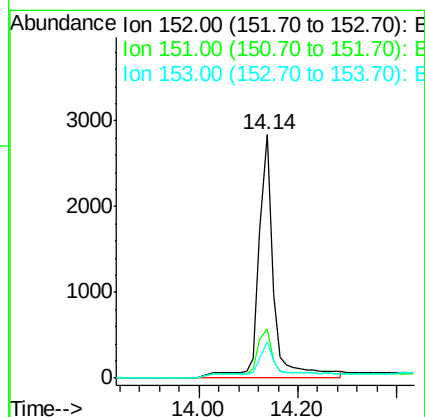
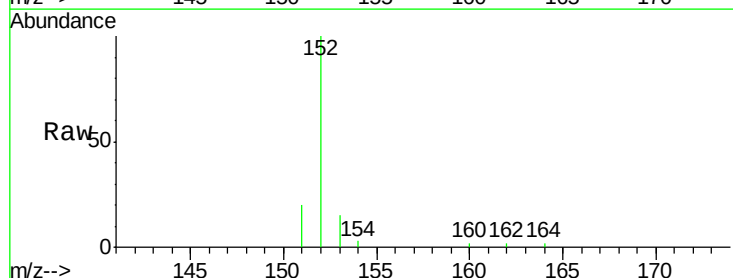
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

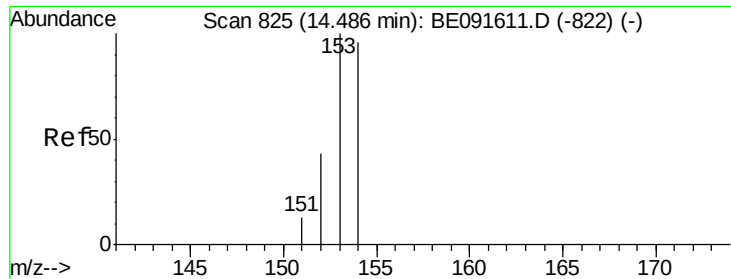
Tgt Ion:172 Resp: 114038
Ion Ratio Lower Upper
172 100
171 31.1 28.8 43.2
170 19.0 19.3 28.9#



#16
Acenaphthylene
Concen: 0.16 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:152 Resp: 6271
Ion Ratio Lower Upper
152 100
151 18.9 3.9 5.9#
153 13.8 10.3 15.5

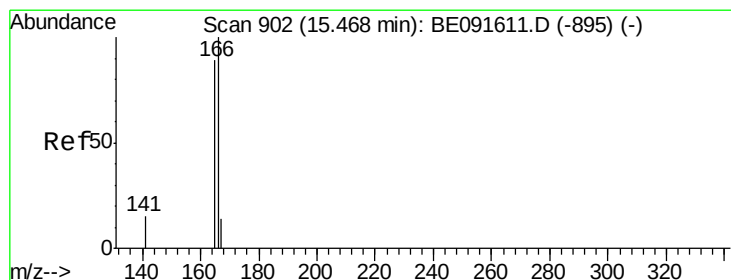
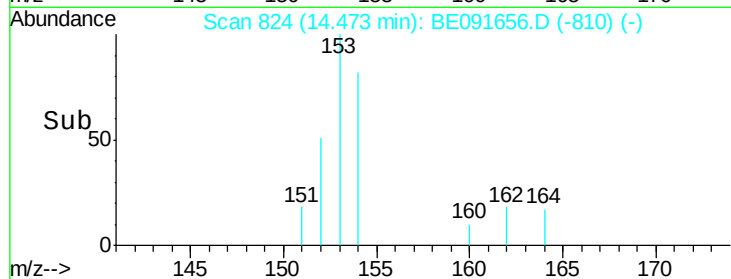
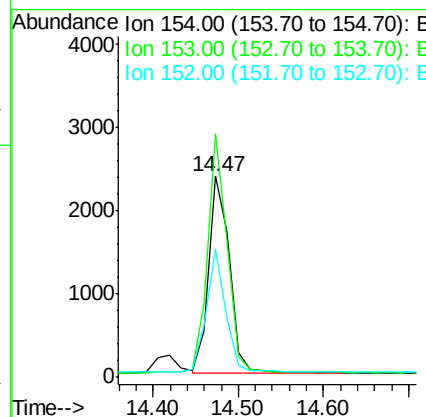
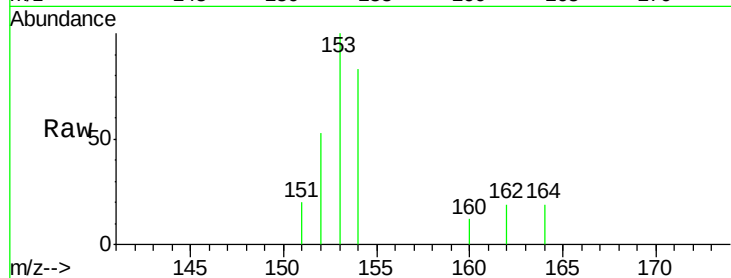




#17
Acenaphthene
Concen: 0.16 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

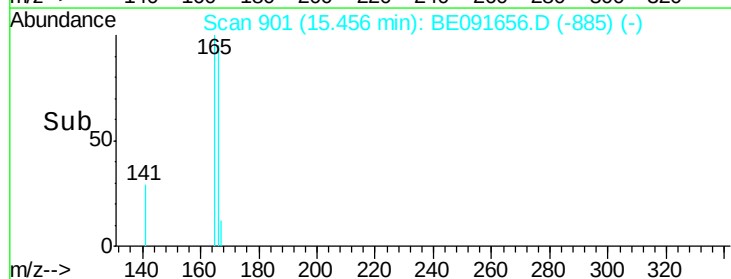
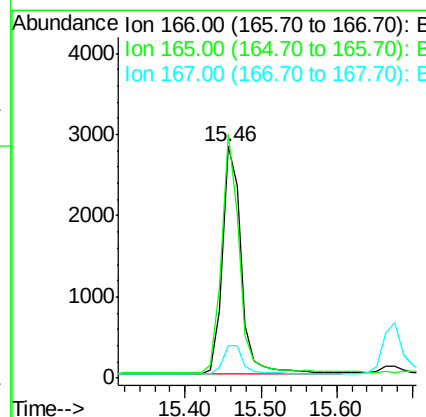
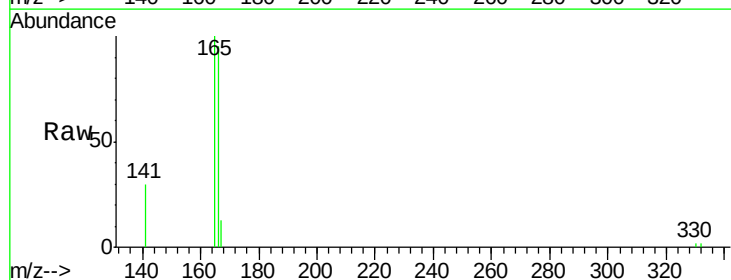
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

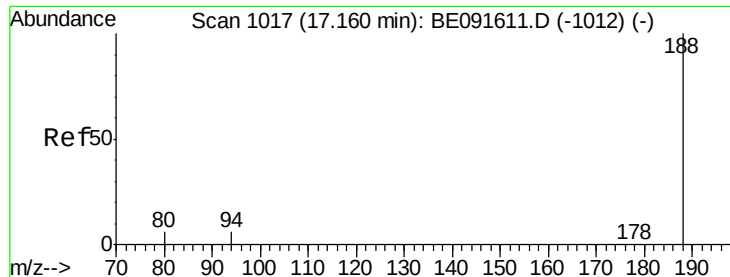
Tgt Ion:154 Resp: 3955
Ion Ratio Lower Upper
154 100
153 116.2 80.0 120.0
152 59.3 40.0 60.0



#18
Fluorene
Concen: 0.16 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:166 Resp: 4896
Ion Ratio Lower Upper
166 100
165 99.6 80.8 121.2
167 13.4 10.9 16.3

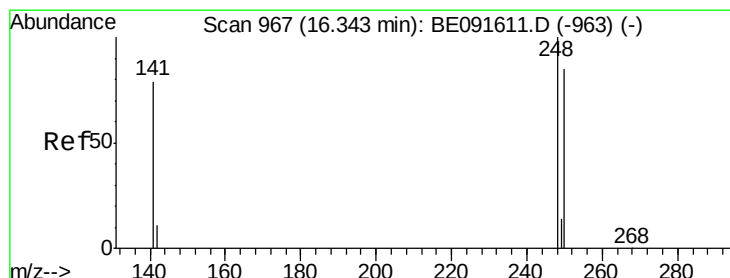
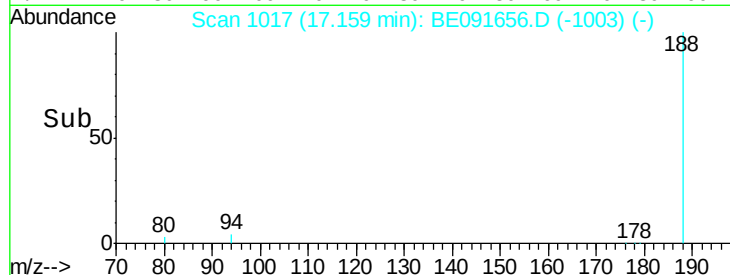
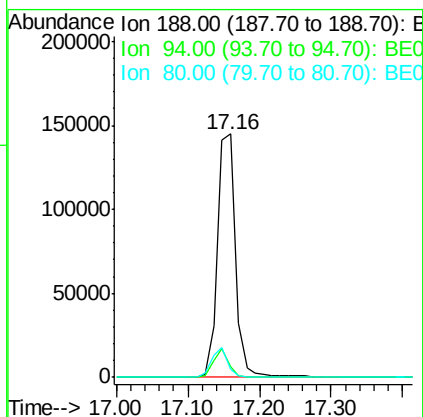
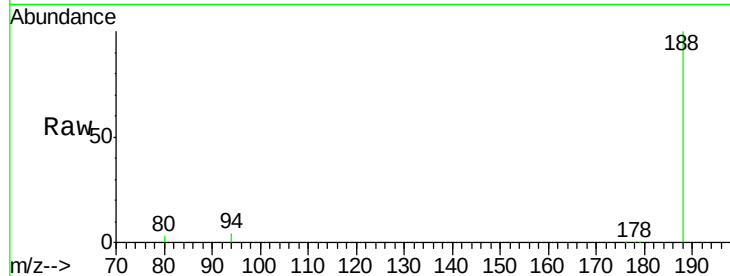




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

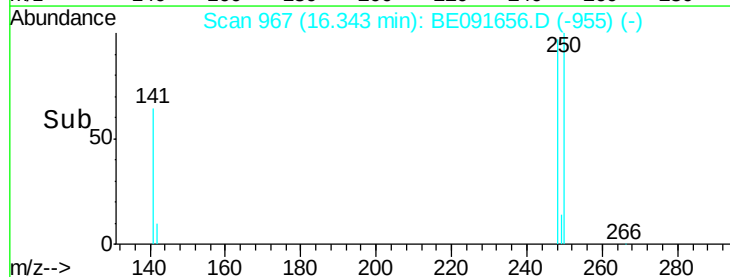
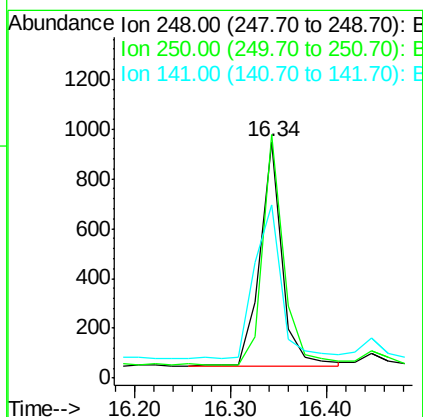
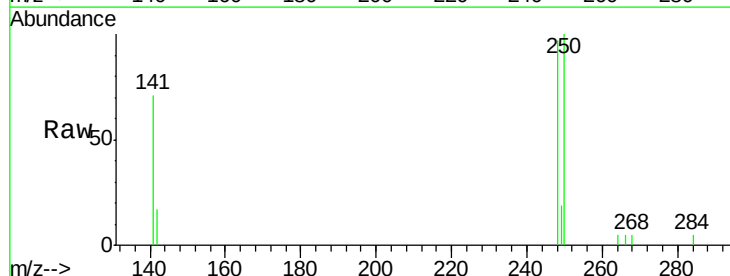
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

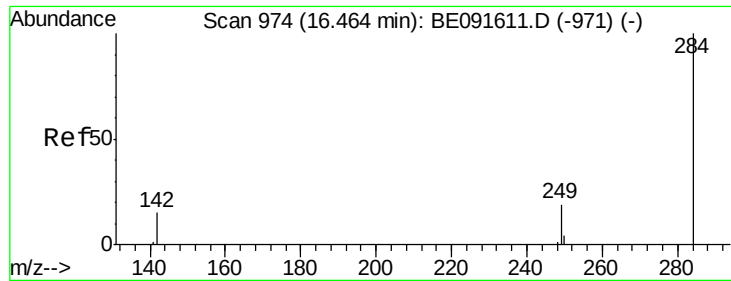
Tgt Ion:188 Resp: 254870
Ion Ratio Lower Upper
188 100
94 4.3 8.7 13.1#
80 3.5 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 0.16 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:248 Resp: 1424
Ion Ratio Lower Upper
248 100
250 99.9 80.5 120.7
141 84.1 72.0 108.0

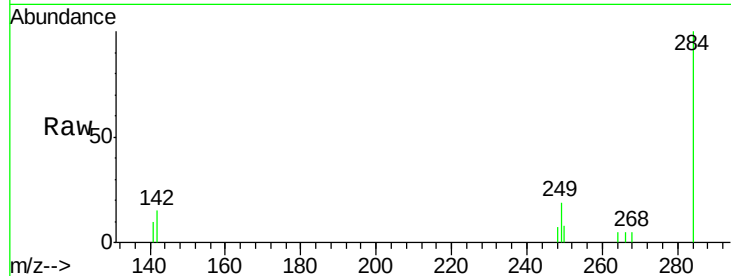




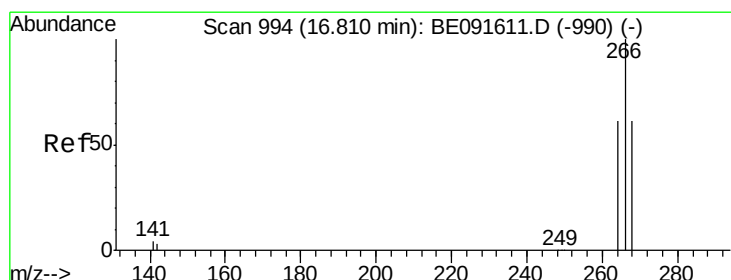
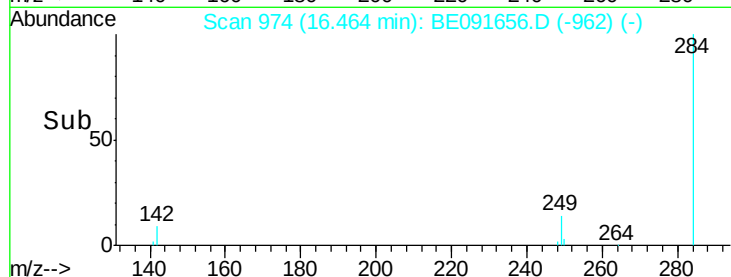
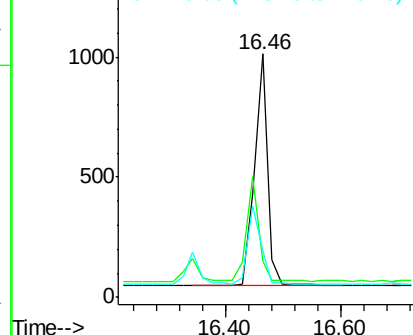
#21
Hexachlorobenzene
Concen: 0.17 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 284 Resp: 1550
Ion Ratio Lower Upper
284 100
142 41.4 32.2 48.2
249 33.4 25.4 38.2

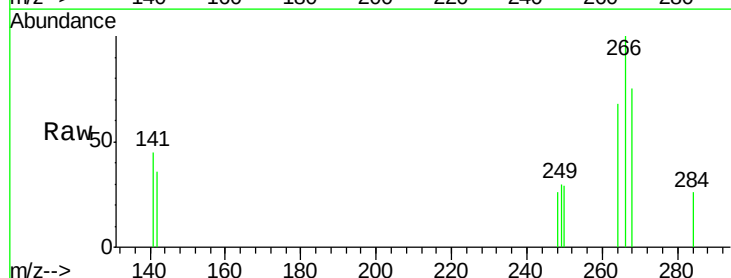


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

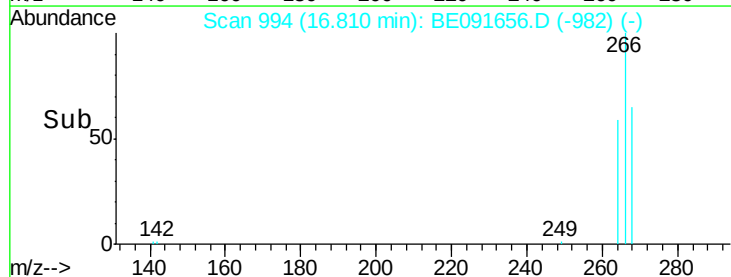
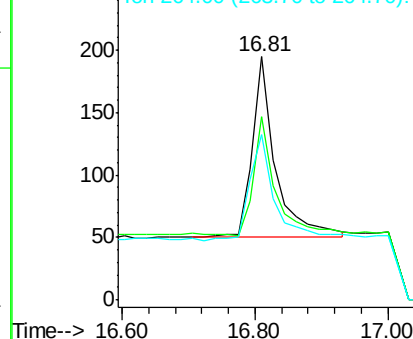


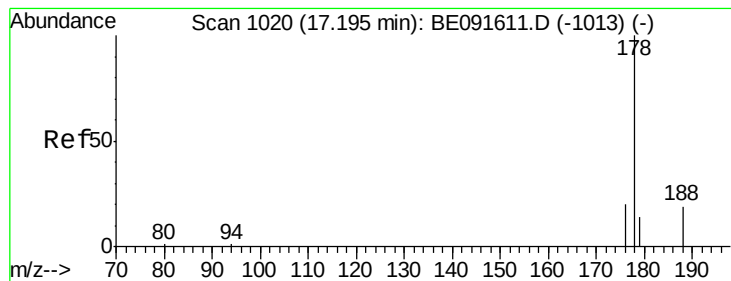
#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion: 266 Resp: 355
Ion Ratio Lower Upper
266 100
268 75.4 58.2 87.2
264 68.2 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.18 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

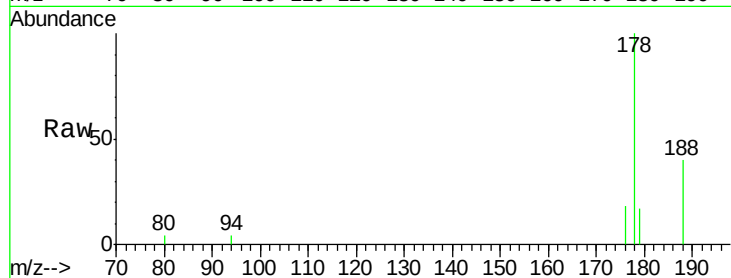
Tgt Ion:178 Resp: 10215

Ion Ratio Lower Upper

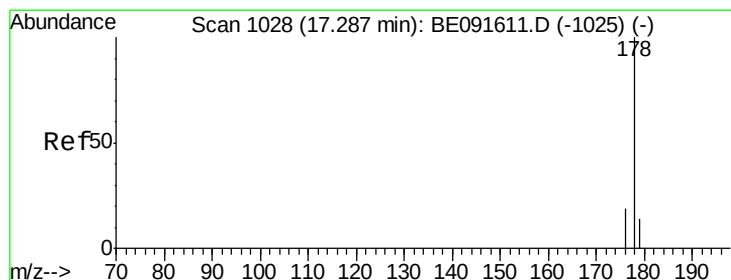
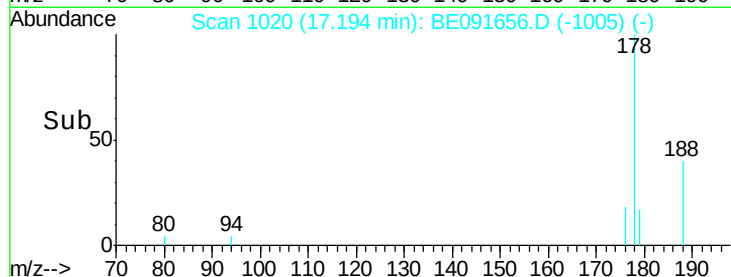
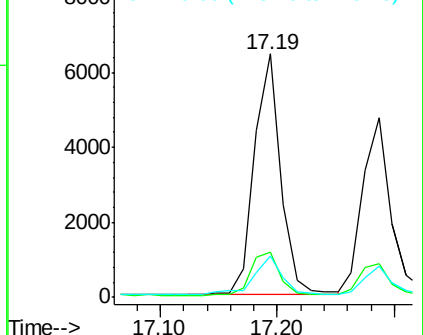
178 100

176 18.9 15.3 22.9

179 17.2 12.6 18.8



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



#24

Anthracene

Concen: 0.16 ng

RT: 17.29 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

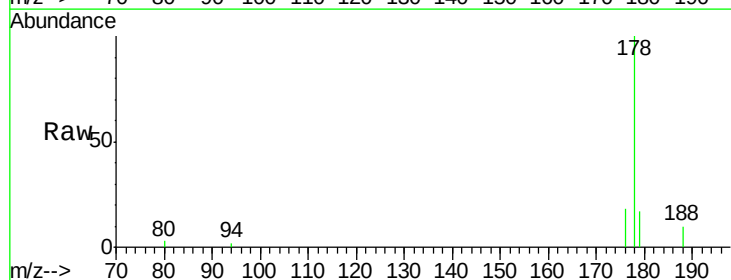
Tgt Ion:178 Resp: 8115

Ion Ratio Lower Upper

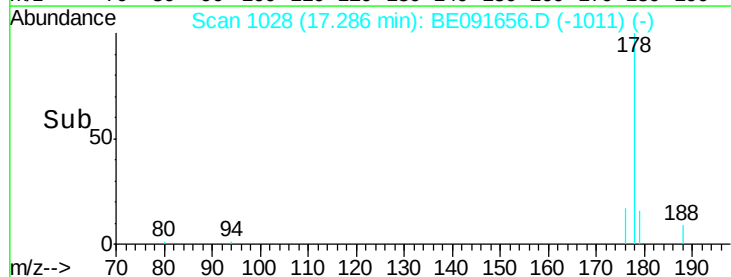
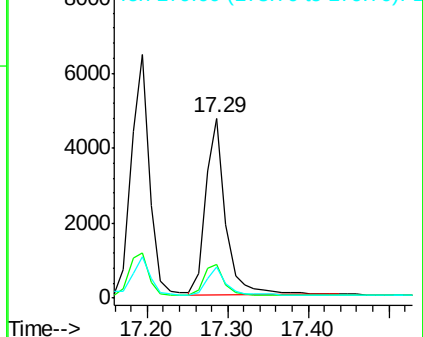
178 100

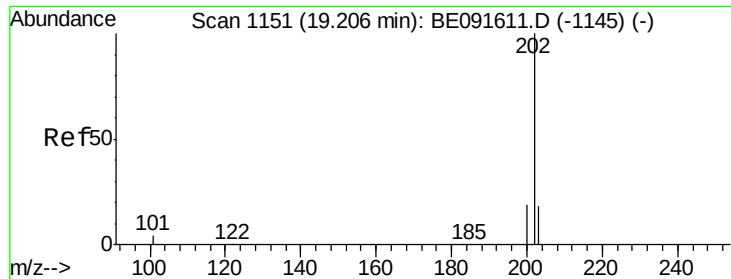
176 18.9 14.6 21.8

179 14.8 11.8 17.6



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





#25

Fluoranthene

Concen: 0.15 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

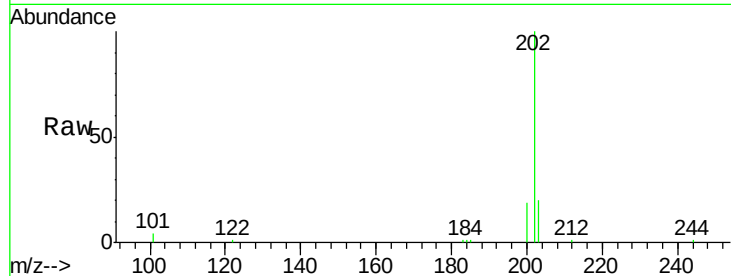
Tgt Ion:202 Resp: 9385

Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.6

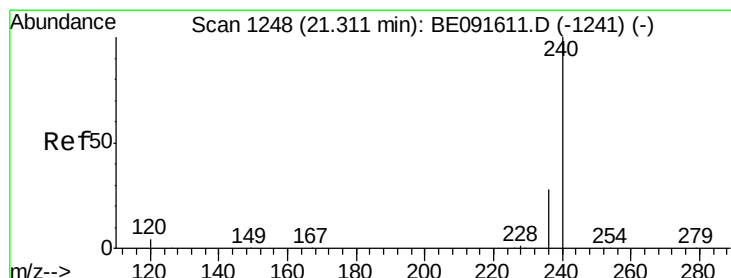
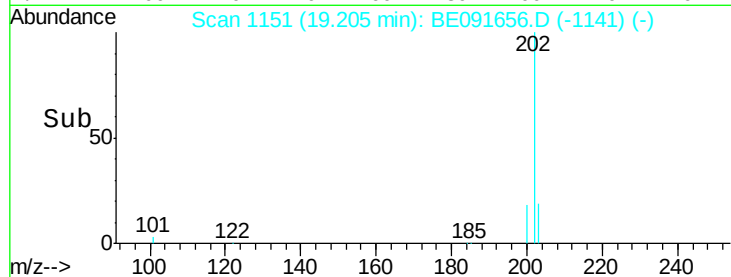
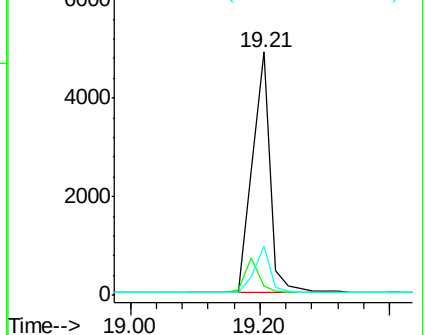
203 17.6 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

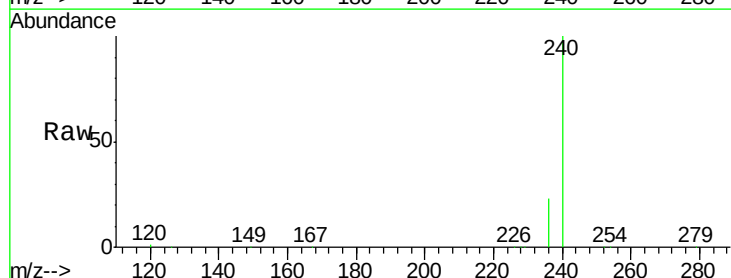
Tgt Ion:240 Resp: 282200

Ion Ratio Lower Upper

240 100

120 1.3 11.0 16.4#

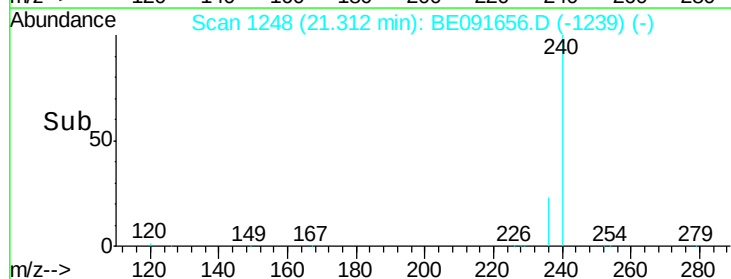
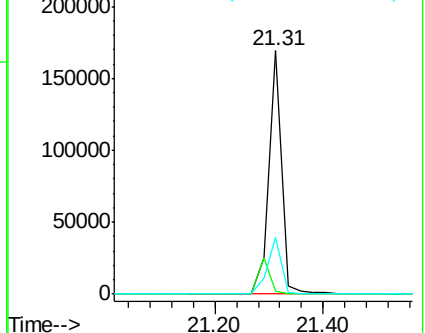
236 23.4 21.7 32.5

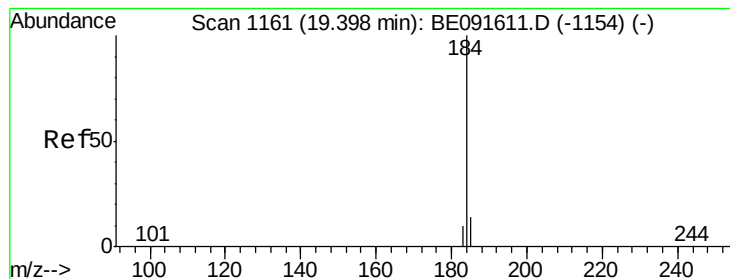


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.39 ng

RT: 19.40 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

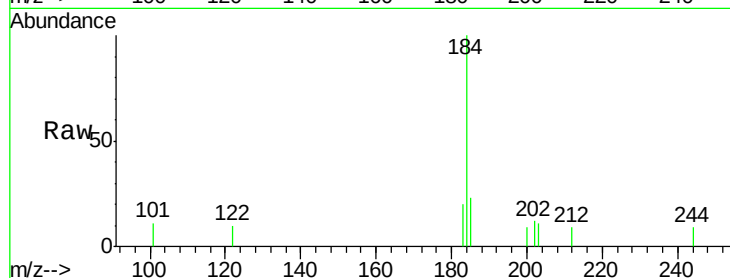
Tgt Ion:184 Resp: 1756

Ion Ratio Lower Upper

184 100

185 22.9 22.3 33.5

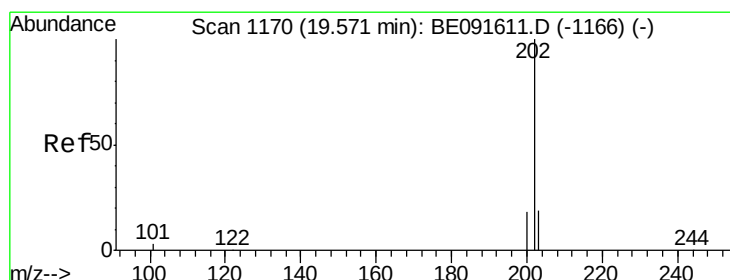
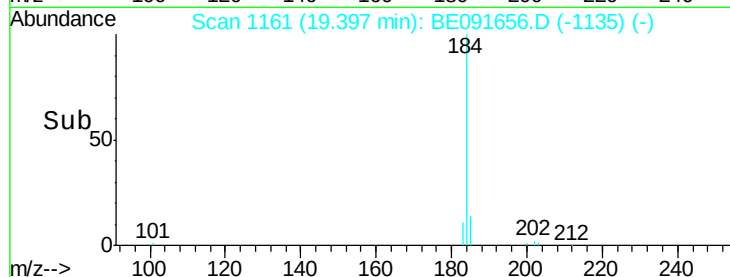
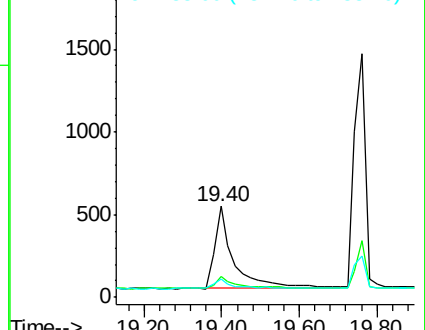
183 19.6 16.4 24.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.18 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

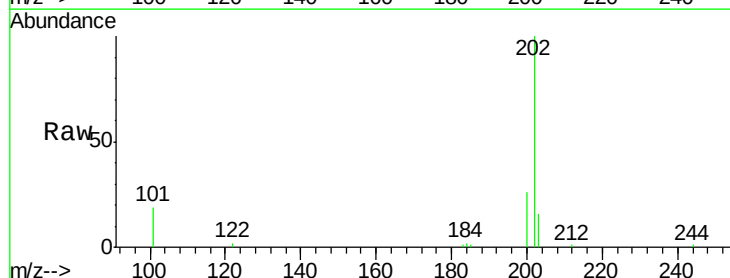
Tgt Ion:202 Resp: 9930

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

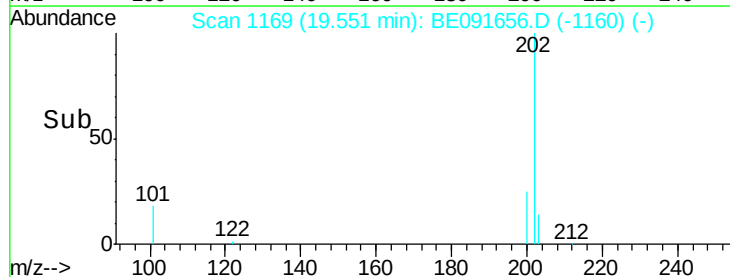
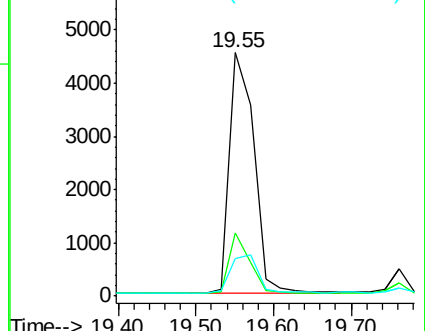
203 17.7 14.0 21.0

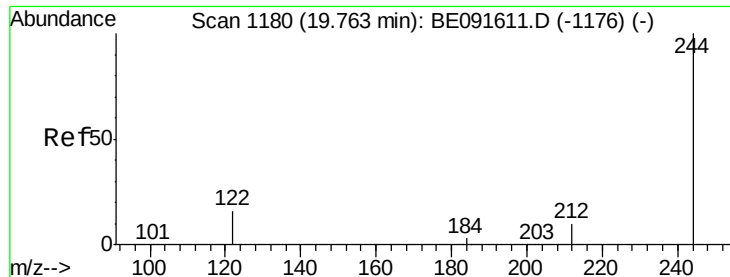


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.08 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

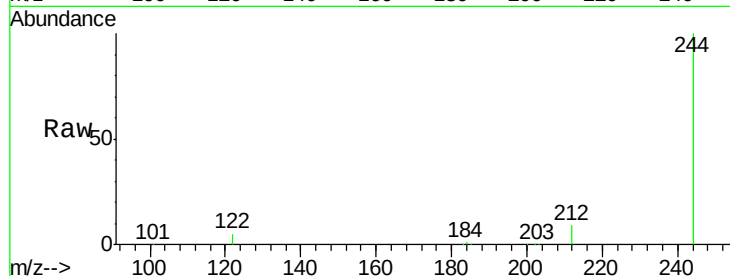
Tgt Ion:244 Resp: 179055

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

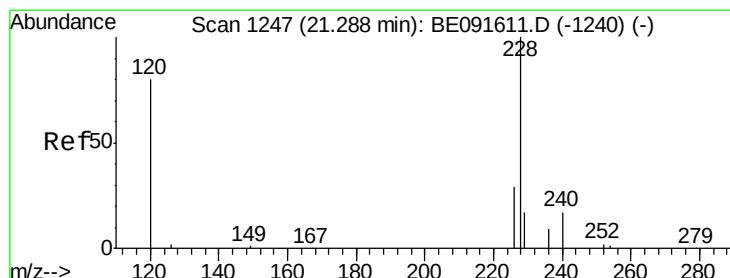
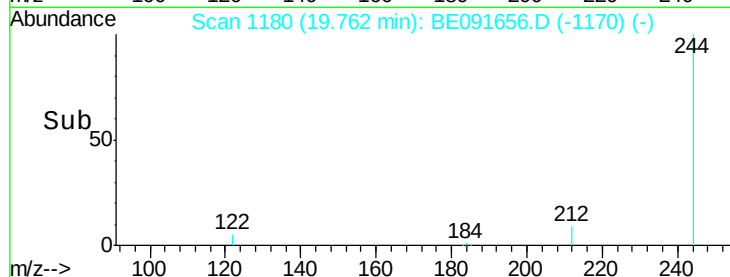
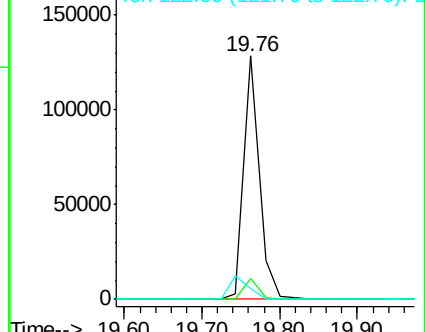
122 4.6 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 0.18 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

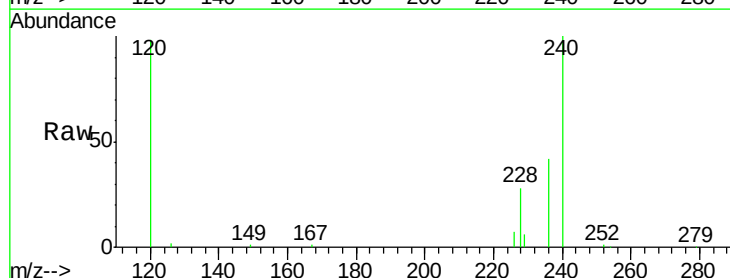
Tgt Ion:228 Resp: 11384

Ion Ratio Lower Upper

228 100

226 24.6 21.0 31.4

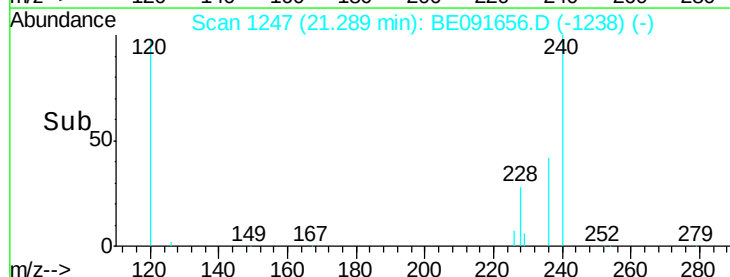
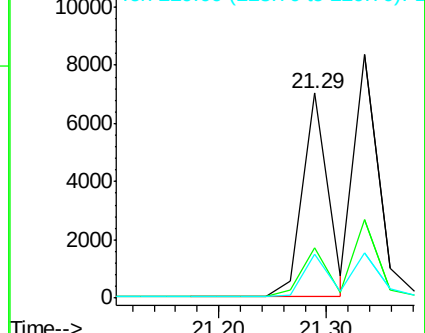
229 21.7 15.7 23.5

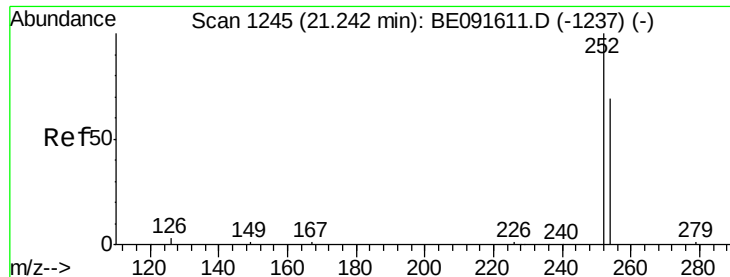


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

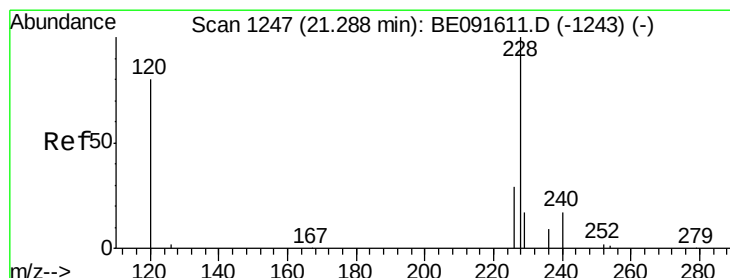
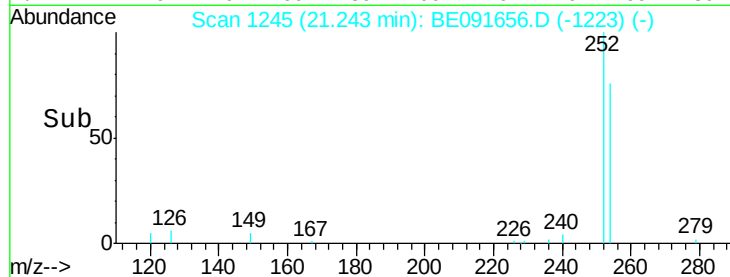
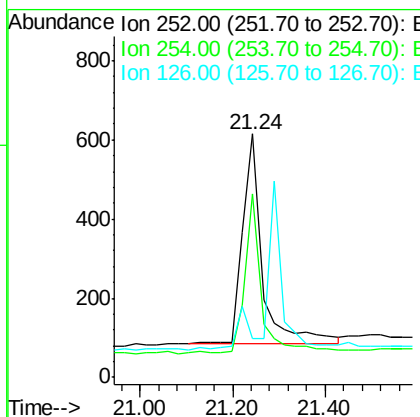
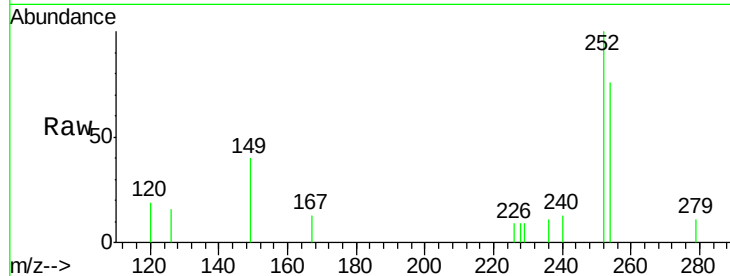




#31
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 21.24 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

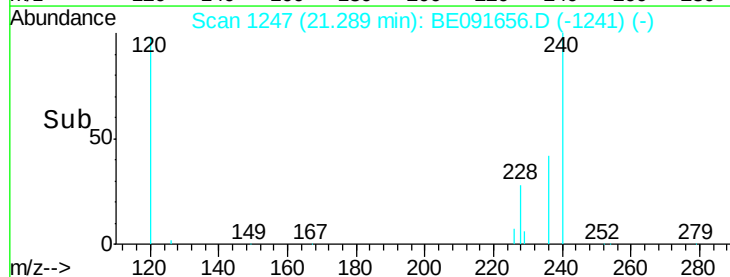
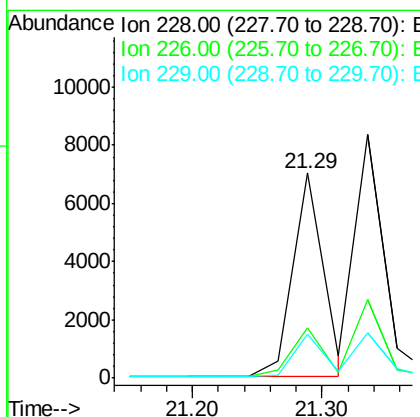
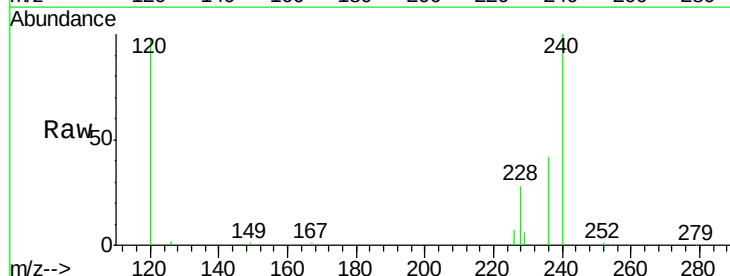
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

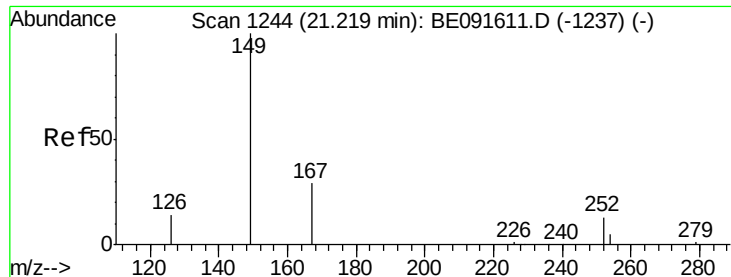
Tgt Ion: 252 Resp: 1570
 Ion Ratio Lower Upper
 252 100
 254 75.6 51.1 76.7
 126 15.9 12.6 18.8



#32
 Chrysene
 Concen: 0.20 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.07 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

Tgt Ion: 228 Resp: 11384
 Ion Ratio Lower Upper
 228 100
 226 24.6 24.0 36.0
 229 21.7 15.9 23.9

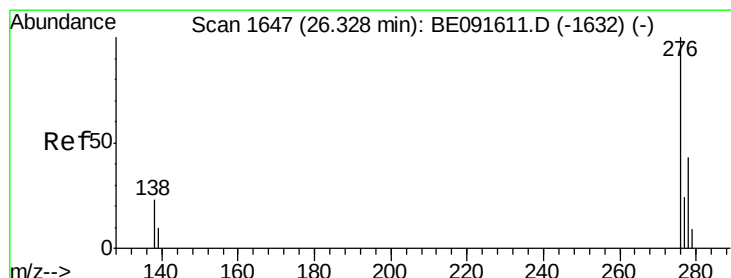
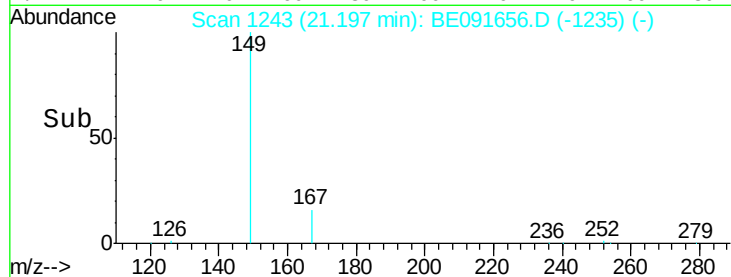
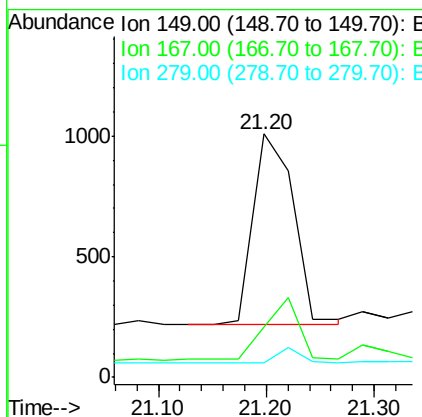
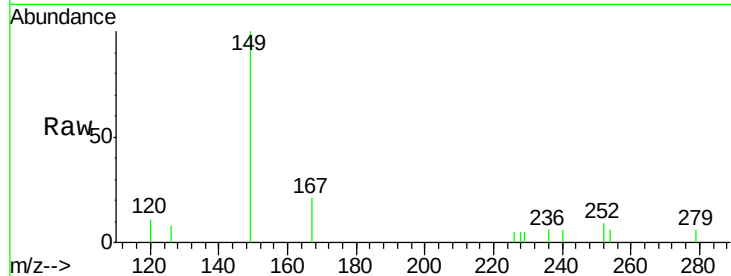




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.31 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

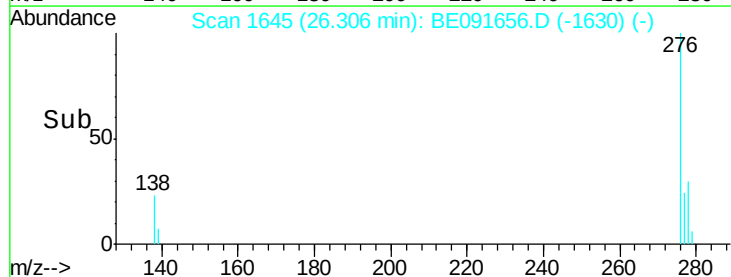
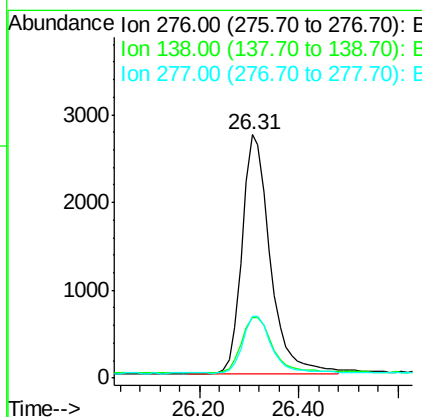
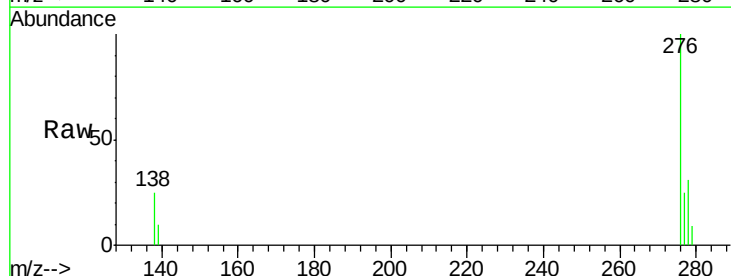
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

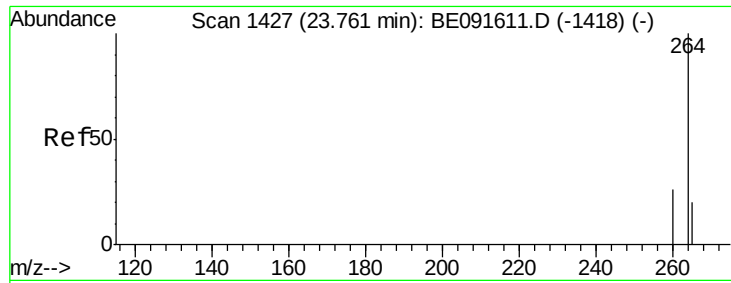
Tgt Ion:149 Resp: 2072
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.5 29.3#
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.17 ng
 RT: 26.31 min Scan# 1645
 Delta R.T. -0.02 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

Tgt Ion:276 Resp: 10795
 Ion Ratio Lower Upper
 276 100
 138 25.8 23.4 35.2
 277 24.8 19.8 29.8

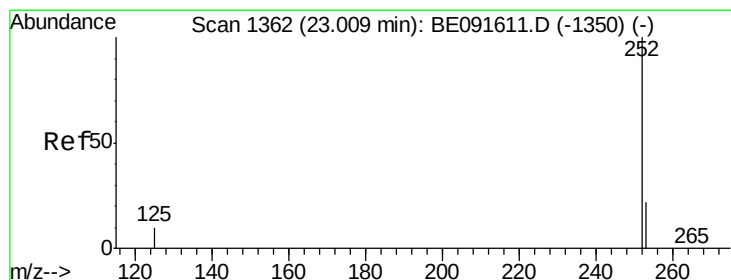
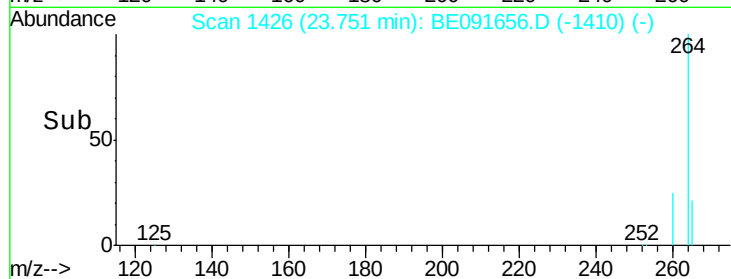
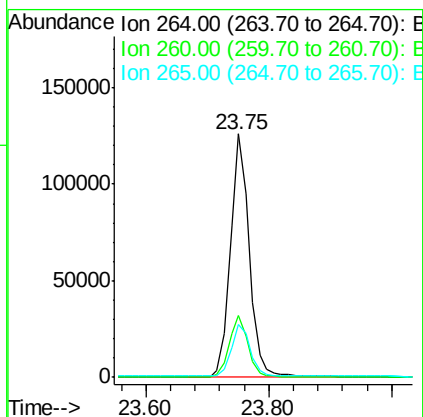
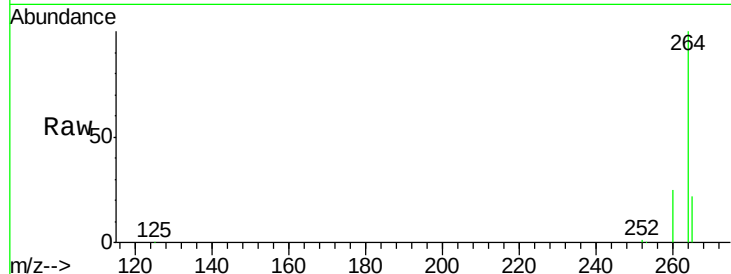




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

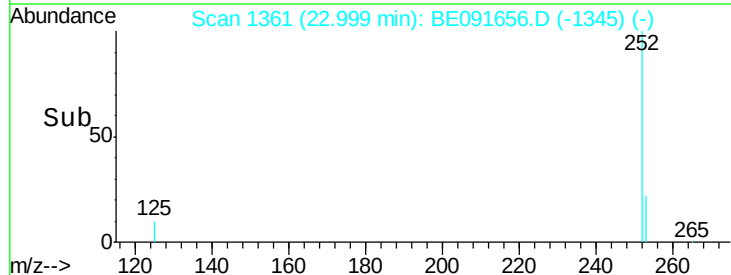
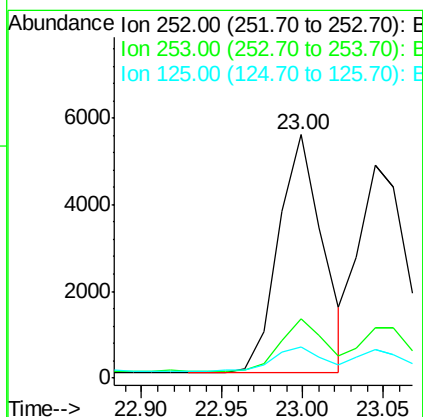
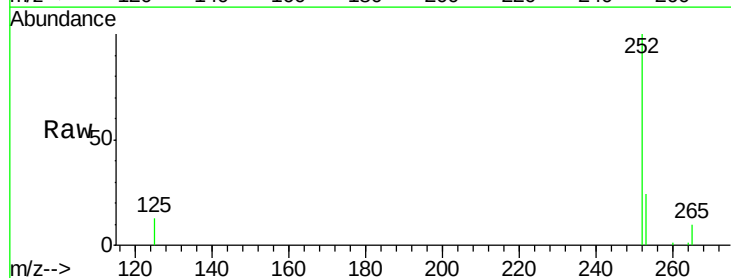
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

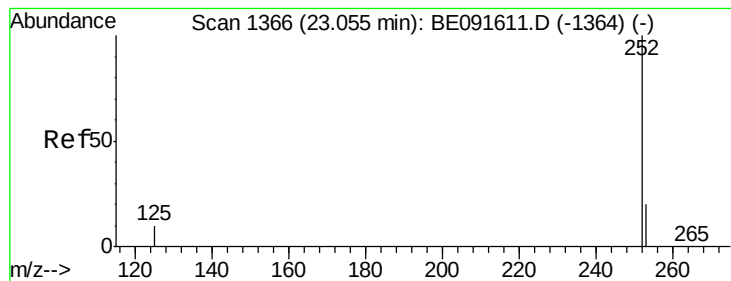
Tgt Ion: 264 Resp: 270314
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.0 30.0
 265 21.7 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 0.17 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BE091656.D
 Acq: 13 Apr 2016 14:20

Tgt Ion: 252 Resp: 10503
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.0
 125 12.6 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.16 ng

RT: 23.05 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

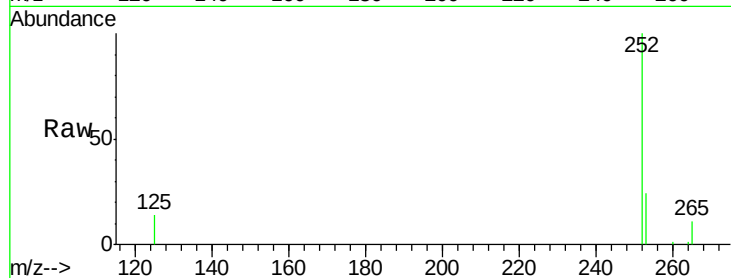
Tgt Ion:252 Resp: 10209

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

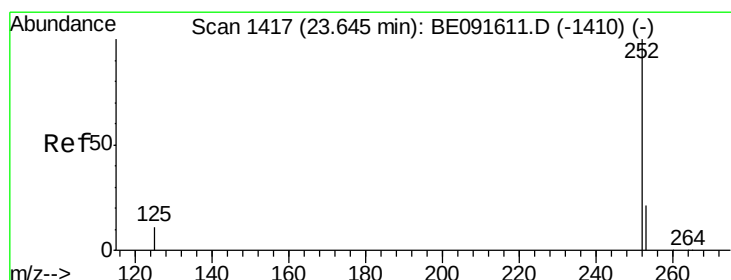
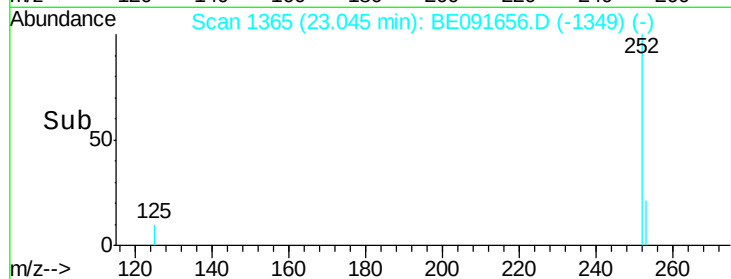
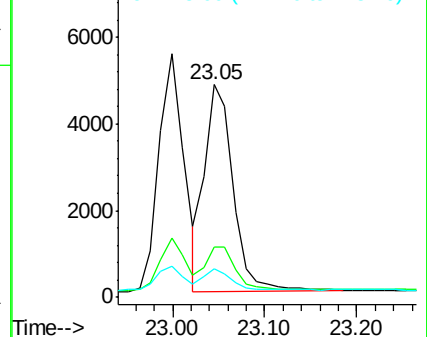
125 13.7 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 0.16 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

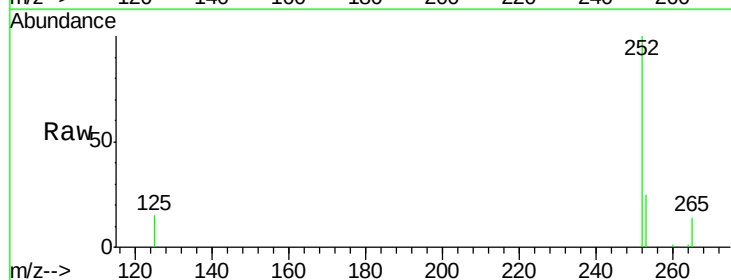
Tgt Ion:252 Resp: 9080

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

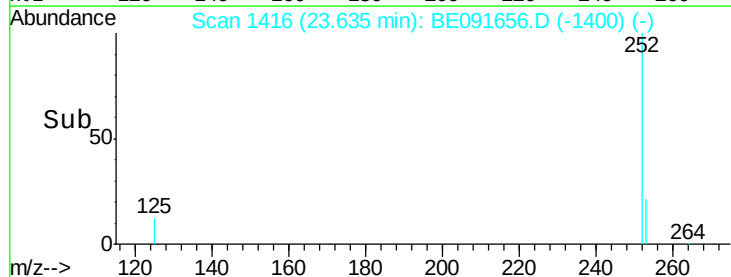
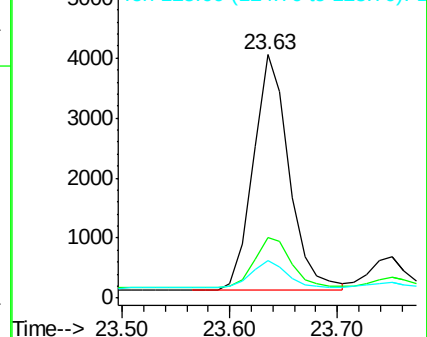
125 15.5 11.0 16.4

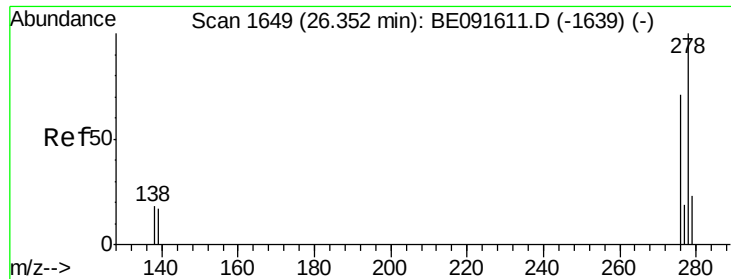


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

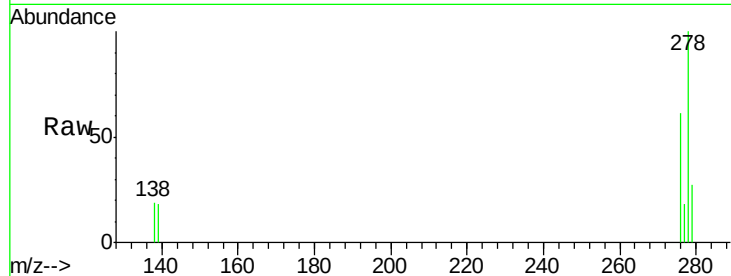
Tgt Ion: 278 Resp: 8710

Ion Ratio Lower Upper

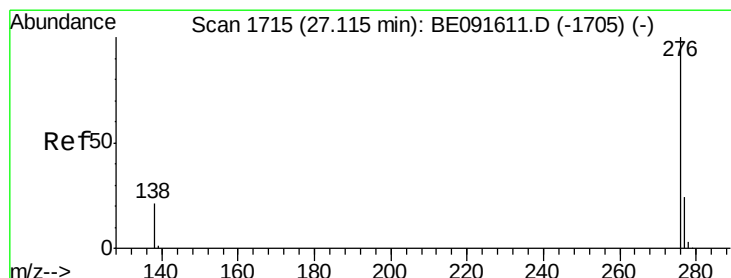
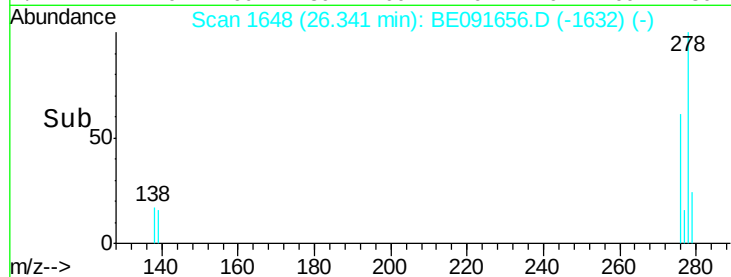
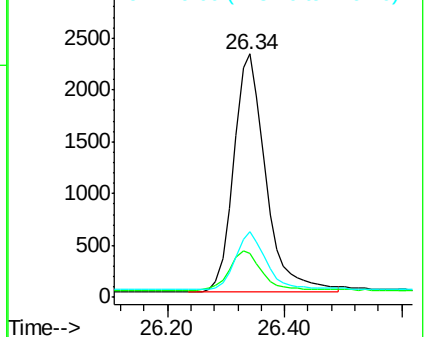
278 100

139 17.9 16.0 24.0

279 26.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BE091656.D

Acq: 13 Apr 2016 14:20

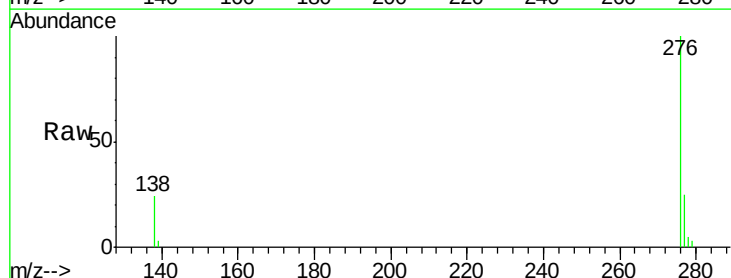
Tgt Ion: 276 Resp: 9432

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 24.2 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

