

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050316\
 Data File : BE091744.D
 Acq On : 3 May 2016 15:31
 Operator : UM/SJ
 Sample : H1824-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: May 04 01:04:06 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	40464	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	179484	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	100070	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	258991	5.00	ng	0.00
26) Chrysene-d12	21.31	240	263380	5.00	ng	0.00
35) Perylene-d12	23.75	264	287880	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	69589	7.00	ng	0.00
5) Phenol-d6	6.95	99	94160	7.14	ng	0.00
8) Nitrobenzene-d5	8.95	82	39011	3.37	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	21492	5.81	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	115072	4.07	ng	0.00
29) Terphenyl-d14	19.76	244	177540	4.32	ng	0.00

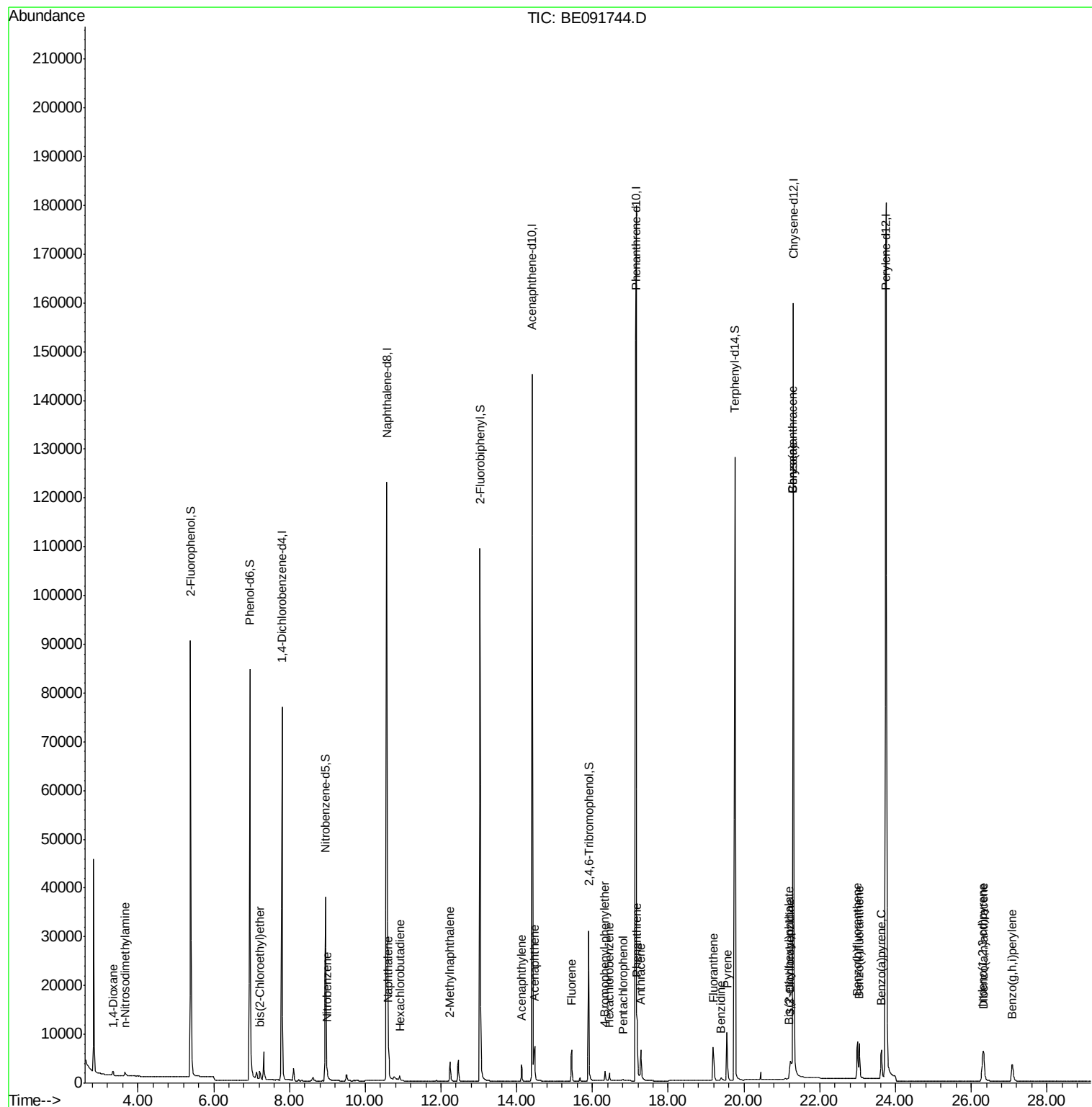
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	959	0.10	ng	88
3) n-Nitrosodimethylamine	3.66	42	902	0.12	ng	89
6) bis(2-Chloroethyl)ether	7.21	93	1663	0.14	ng	# 76
9) Nitrobenzene	8.99	77	1823	0.15	ng	# 96
10) Naphthalene	10.61	128	6015	0.17	ng	96
11) Hexachlorobutadiene	10.92	225	1334	0.25	ng	# 82
12) 2-Methylnaphthalene	12.24	142	3674	0.16	ng	98
16) Acenaphthylene	14.12	152	6078	0.16	ng	# 88
17) Acenaphthene	14.47	154	3951	0.16	ng	86
18) Fluorene	15.46	166	4867	0.16	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	1452	0.16	ng	94
21) Hexachlorobenzene	16.45	284	1558	0.17	ng	98
22) Pentachlorophenol	16.81	266	376	0.17	ng	96
23) Phenanthrene	17.18	178	10223	0.17	ng	98
24) Anthracene	17.28	178	8054	0.15	ng	98
25) Fluoranthene	19.19	202	9550	0.16	ng	97
27) Benzidine	19.40	184	1651	0.24	ng	94
28) Pyrene	19.55	202	10649	0.18	ng	99
30) Benzo(a)anthracene	21.29	228	11674	0.18	ng	94
31) 3,3'-Dichlorobenzidine	21.22	252	6279	0.19	ng	# 82
32) Chrysene	21.29	228	11674	0.17	ng	# 90
33) Bis(2-ethylhexyl)phthalate	21.20	149	2604	0.13	ng	# 88
34) Indeno(1,2,3-cd)pyrene	26.31	276	11260	0.19	ng	96
36) Benzo(b)fluoranthene	23.00	252	11518	0.17	ng	96
37) Benzo(k)fluoranthene	23.04	252	10395	0.15	ng	97
38) Benzo(a)pyrene	23.63	252	9885	0.16	ng	# 92
39) Dibenzo(a,h)anthracene	26.33	278	9121	0.15	ng	95
40) Benzo(g,h,i)perylene	27.09	276	9467	0.15	ng	94

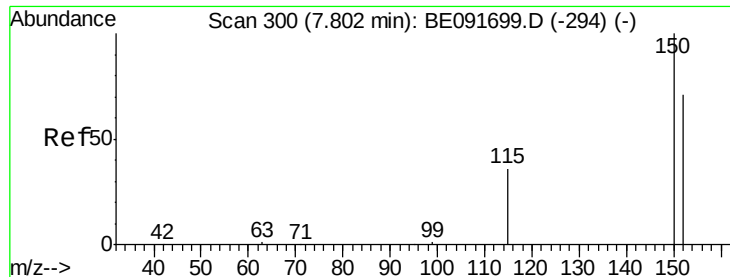
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

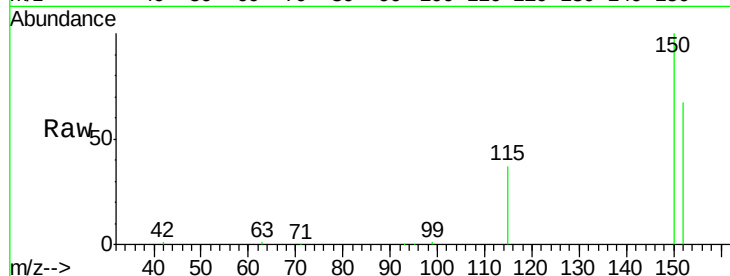
Tgt Ion:152 Resp: 40464

Ion Ratio Lower Upper

152 100

150 149.2 122.6 183.8

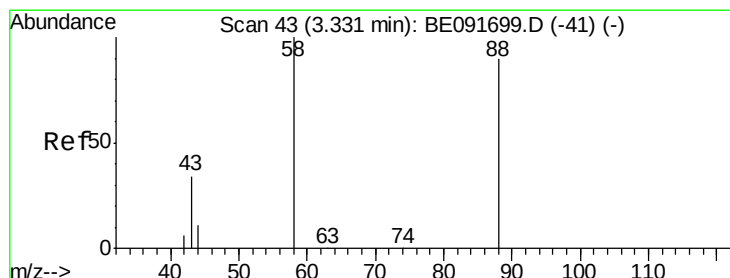
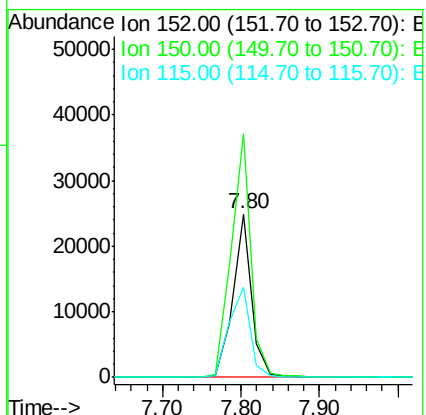
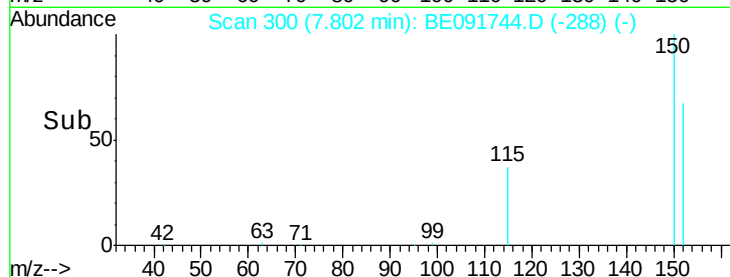
115 55.4 52.8 79.2



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: 0.10 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

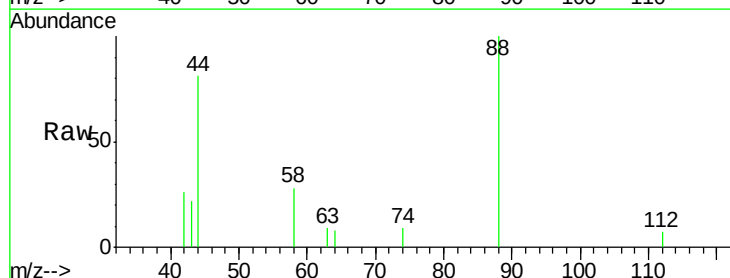
Tgt Ion: 88 Resp: 959

Ion Ratio Lower Upper

88 100

58 68.6 65.8 98.6

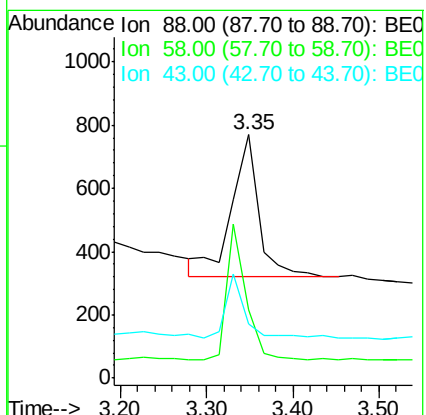
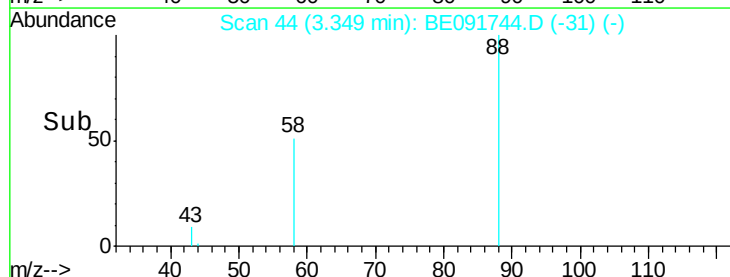
43 33.4 25.3 37.9

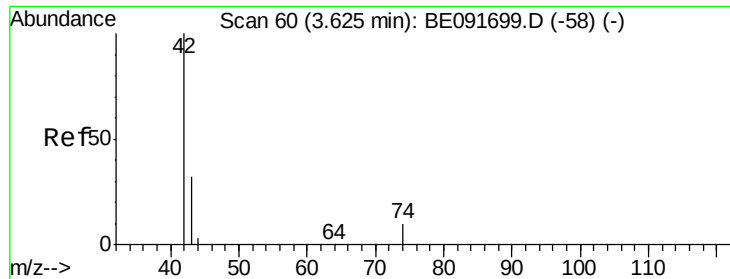


Abundance Ion 88.00 (87.70 to 88.70): BE0

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. 0.03 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

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LOQ-SOIL2016-02

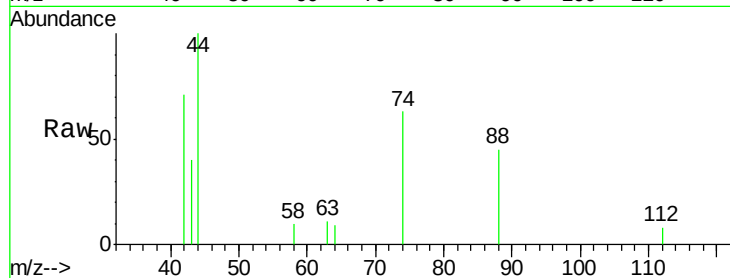
Tgt Ion: 42 Resp: 902

Ion Ratio Lower Upper

42 100

74 97.2 87.9 131.9

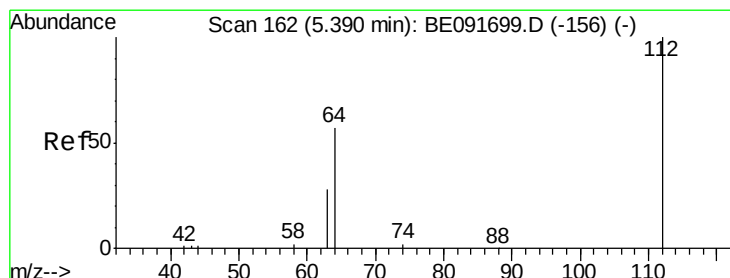
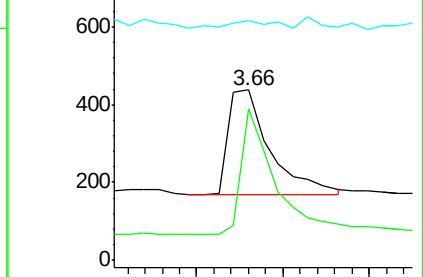
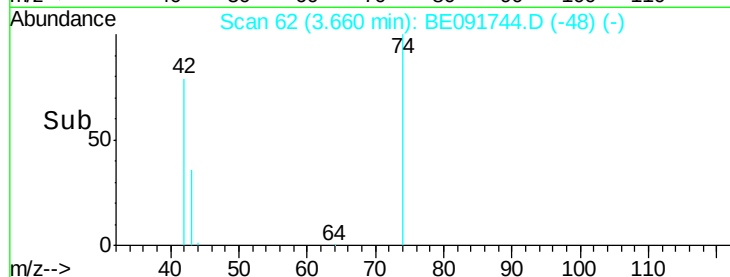
44 9.6 6.6 9.8



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



#4

2-Fluorophenol

Concen: 7.00 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

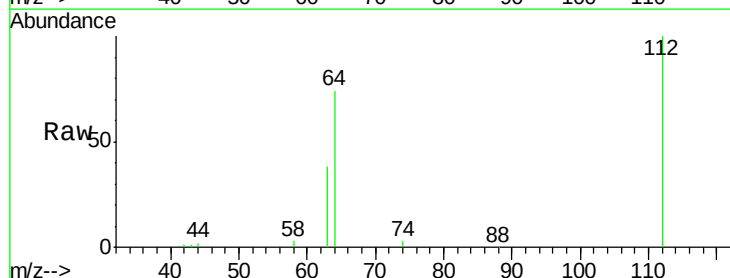
Tgt Ion: 112 Resp: 69589

Ion Ratio Lower Upper

112 100

64 67.6 30.9 46.3#

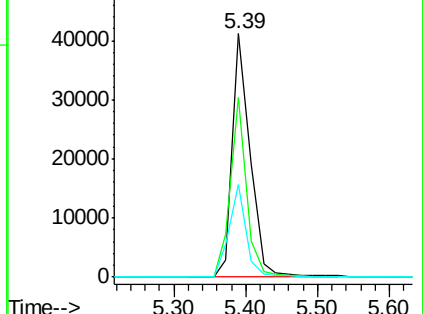
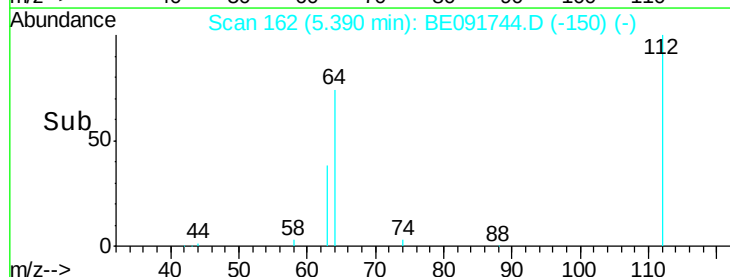
63 36.5 16.7 25.1#

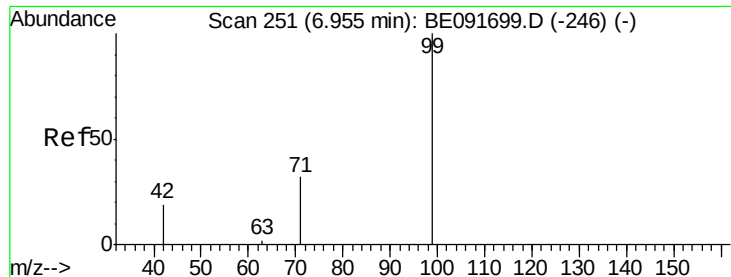


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.14 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

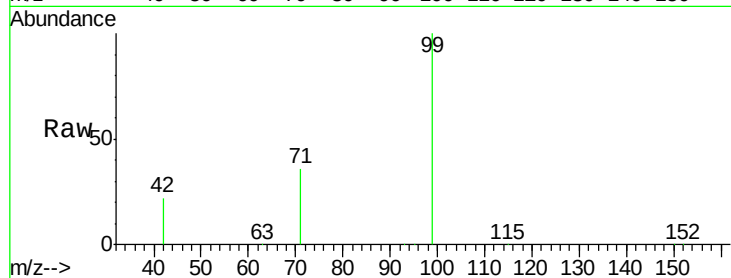
Tgt Ion: 99 Resp: 94160

Ion Ratio Lower Upper

99 100

42 24.8 16.2 24.2#

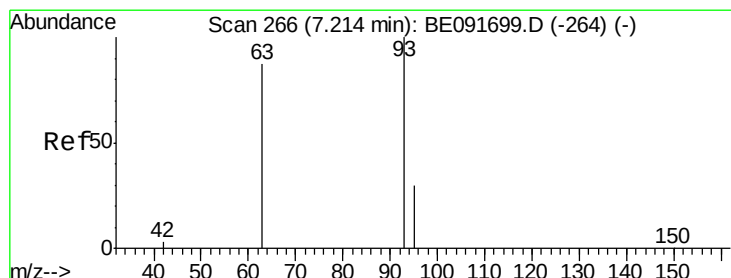
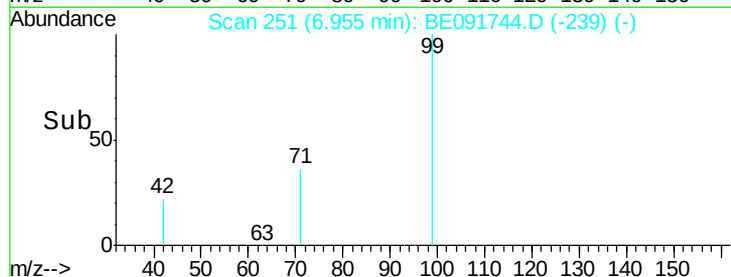
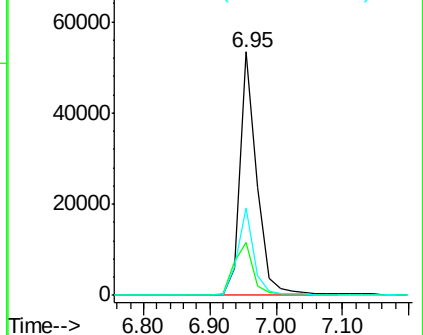
71 35.3 29.0 43.4



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: 0.14 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

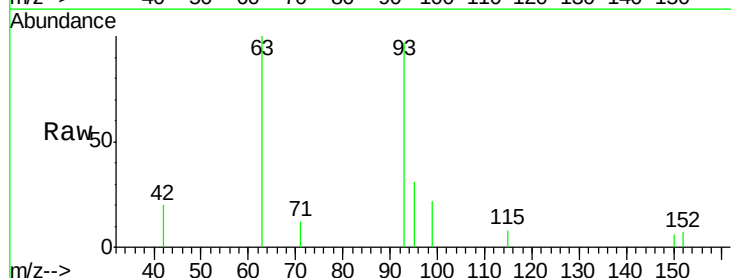
Tgt Ion: 93 Resp: 1663

Ion Ratio Lower Upper

93 100

63 85.9 49.5 74.3#

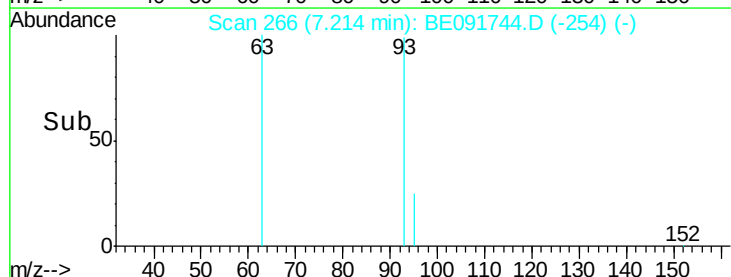
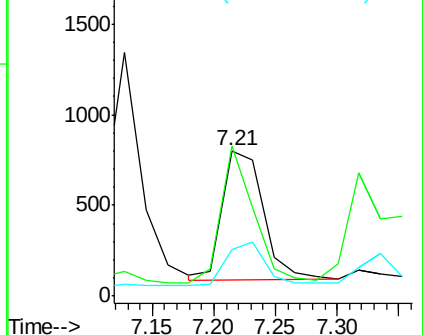
95 32.3 22.2 33.4

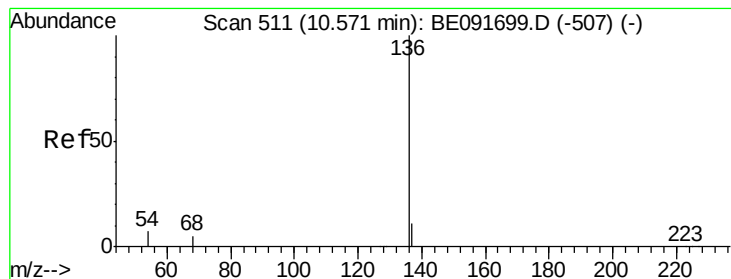


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:136 Resp: 179484

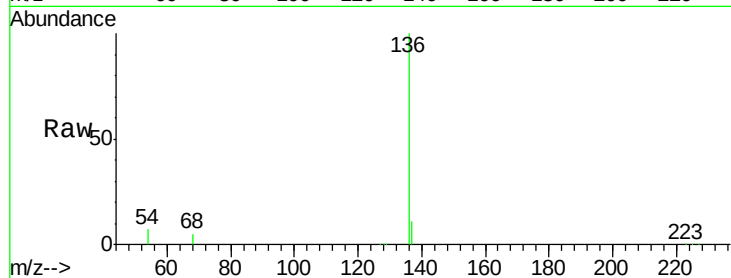
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 8.2 12.4#

68 5.2 6.2 9.4#

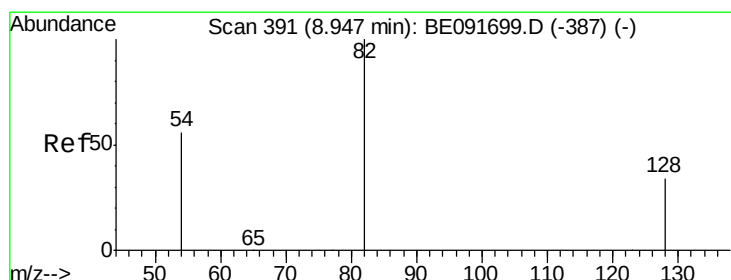
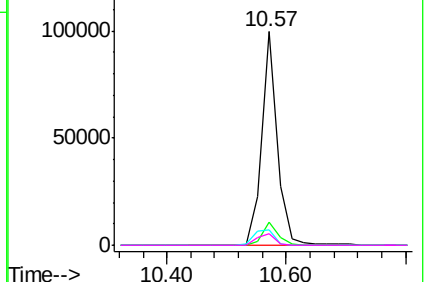
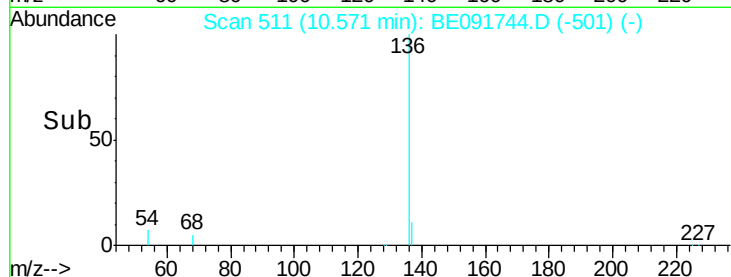


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.37 ng

RT: 8.95 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

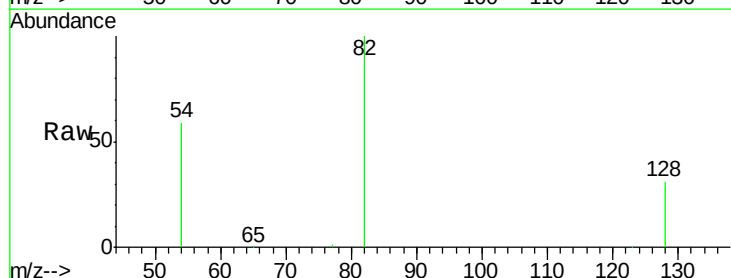
Tgt Ion: 82 Resp: 39011

Ion Ratio Lower Upper

82 100

128 31.1 25.4 38.0

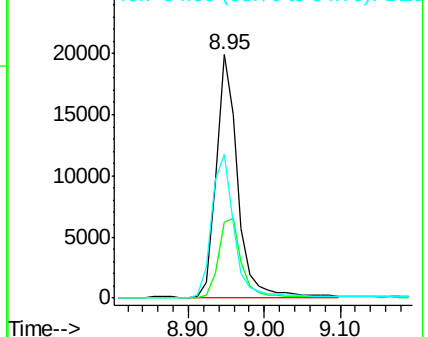
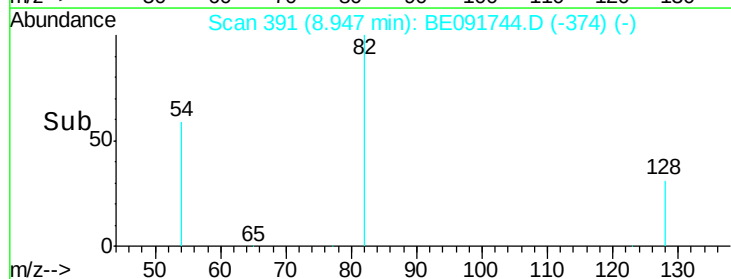
54 59.2 48.4 72.6

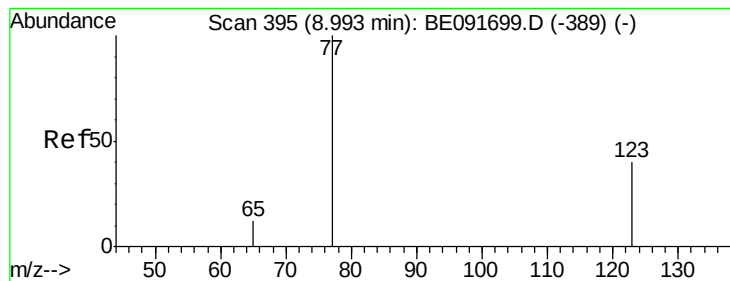


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.15 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

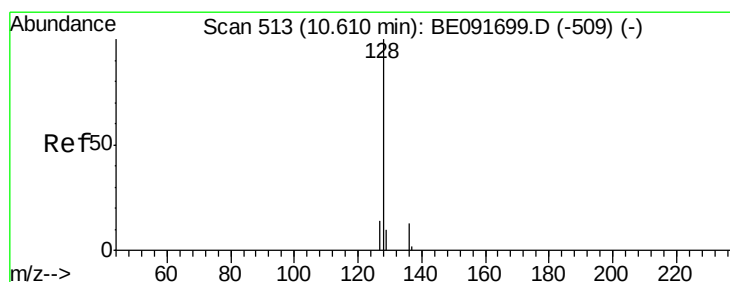
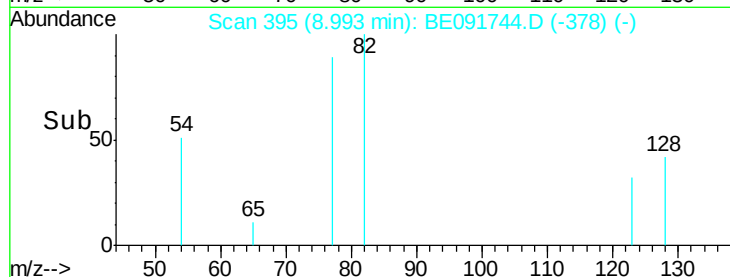
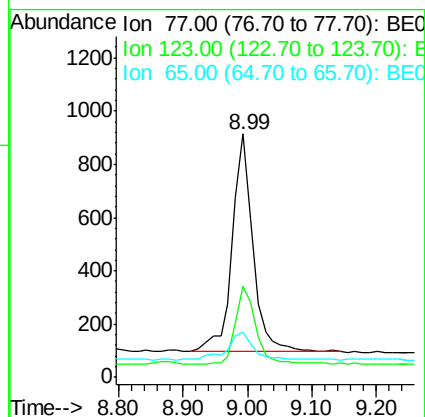
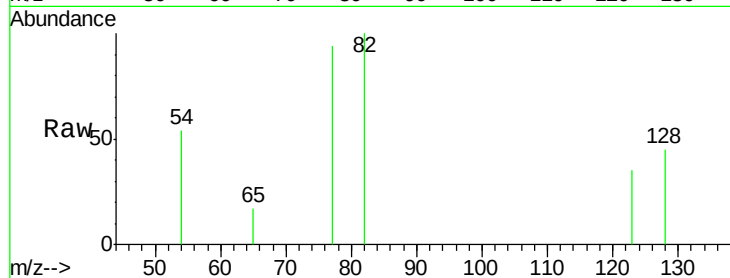
Tgt Ion: 77 Resp: 1823

Ion Ratio Lower Upper

77 100

123 34.8 26.9 40.3

65 15.4 9.4 14.2#



#10

Naphthalene

Concen: 0.17 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

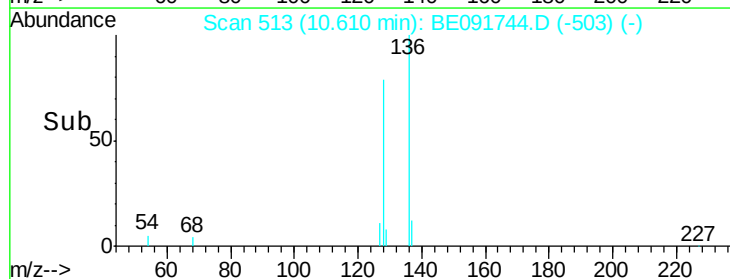
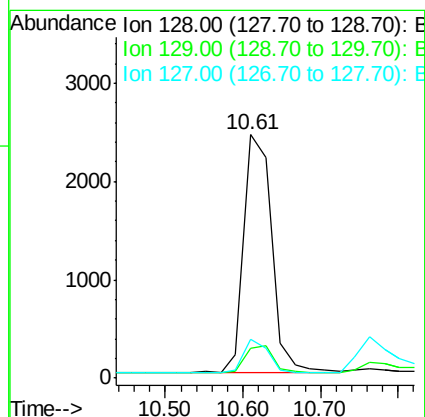
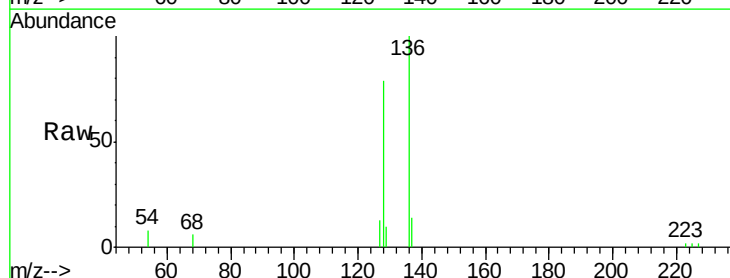
Tgt Ion: 128 Resp: 6015

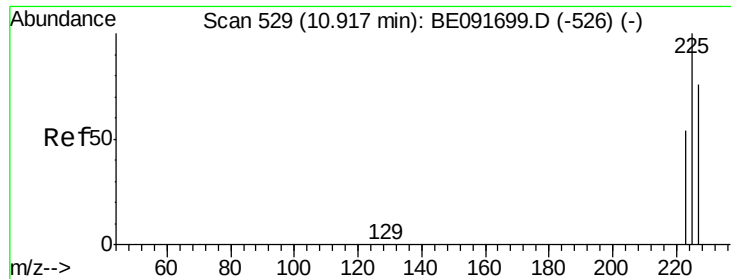
Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

127 16.1 10.7 16.1

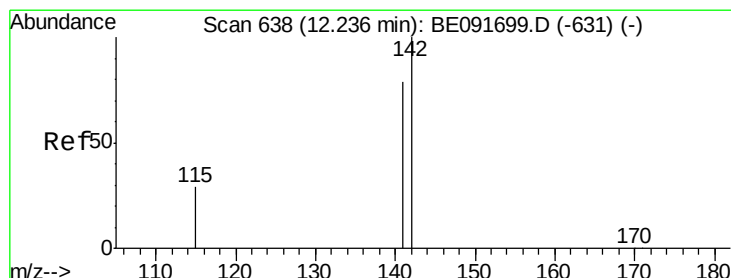
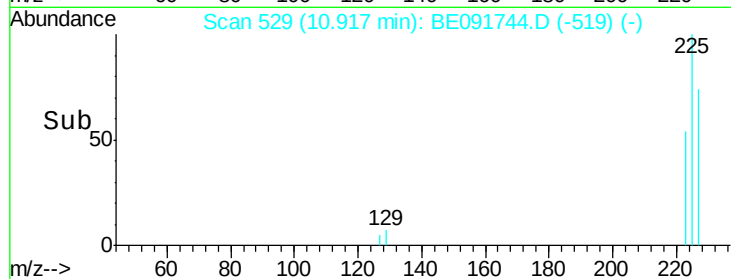
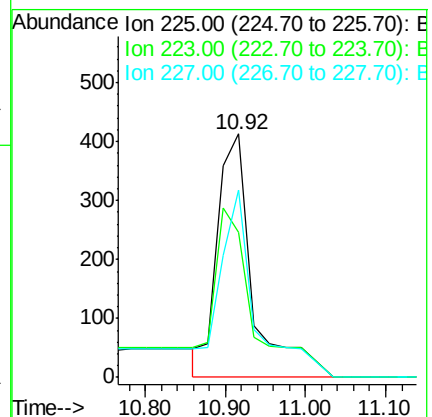
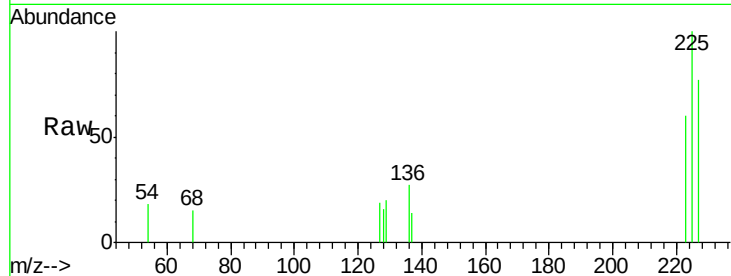




#11
Hexachlorobutadiene
Concen: 0.25 ng
RT: 10.92 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

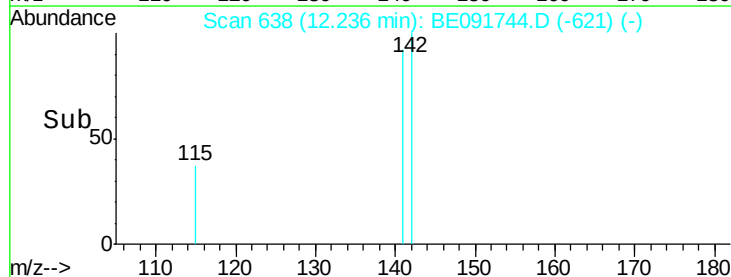
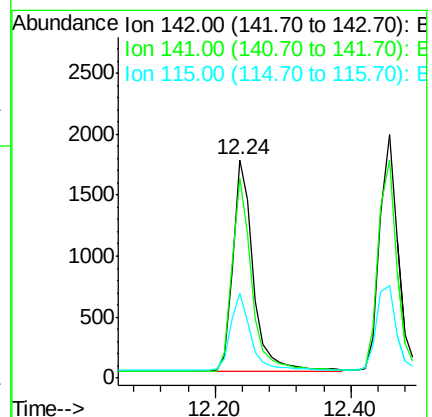
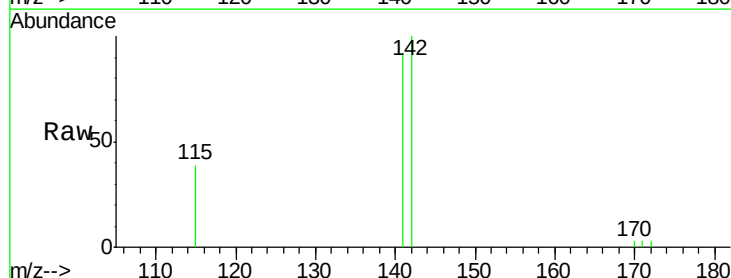
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

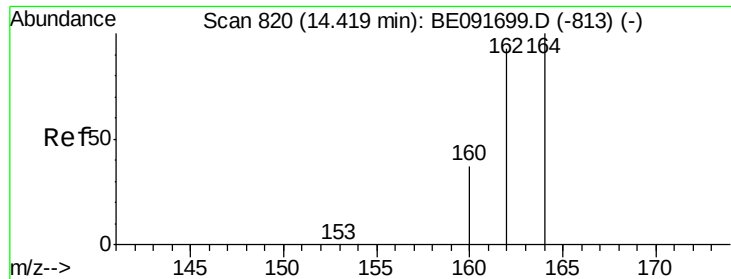
Tgt Ion: 225 Resp: 1334
Ion Ratio Lower Upper
225 100
223 76.1 49.0 73.6#
227 75.6 50.3 75.5#



#12
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

Tgt Ion: 142 Resp: 3674
Ion Ratio Lower Upper
142 100
141 91.5 71.4 107.0
115 38.8 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

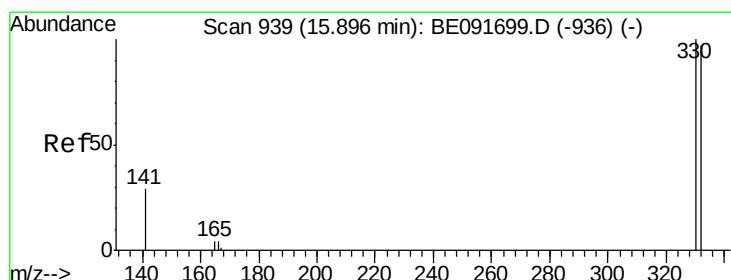
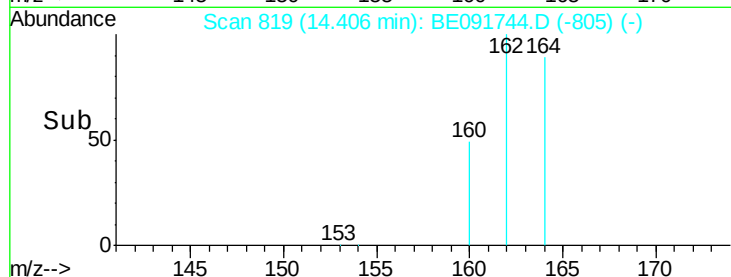
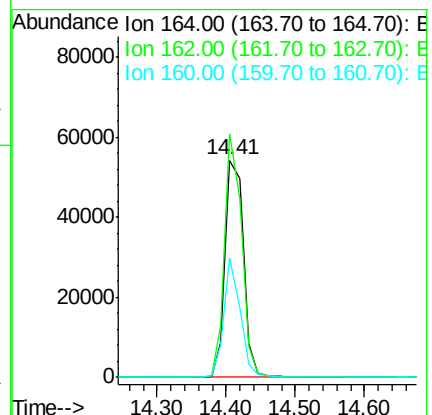
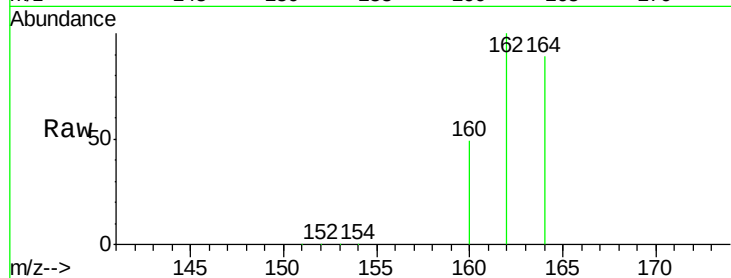
Tgt Ion:164 Resp: 100070

Ion Ratio Lower Upper

164 100

162 112.2 85.3 127.9

160 55.0 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 5.81 ng

RT: 15.90 min Scan# 939

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

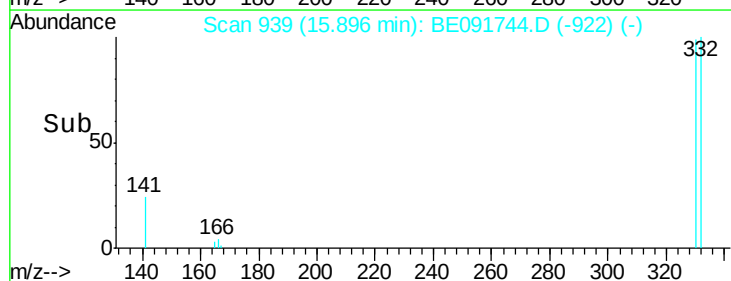
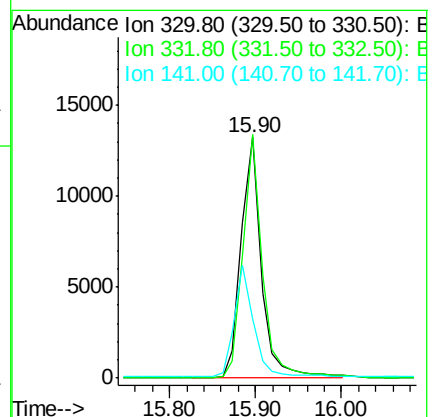
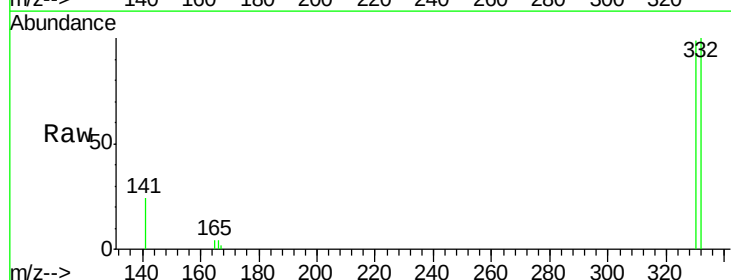
Tgt Ion:330 Resp: 21492

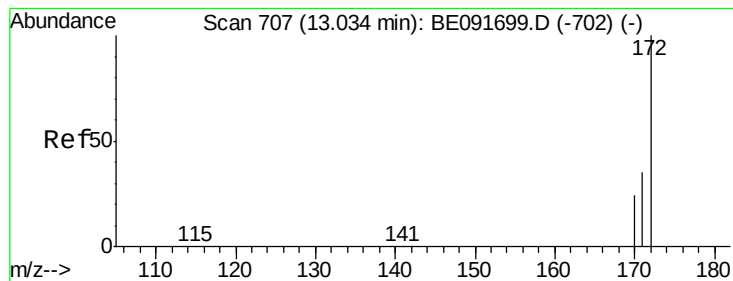
Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

141 44.9 125.4 188.0#

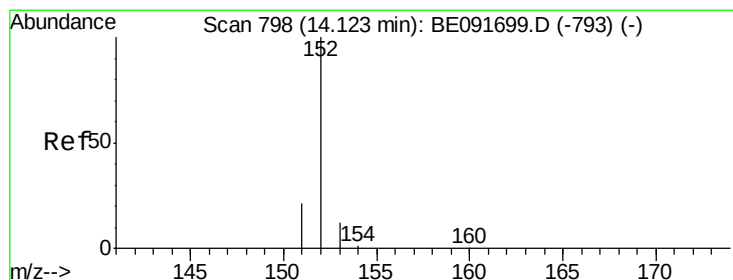
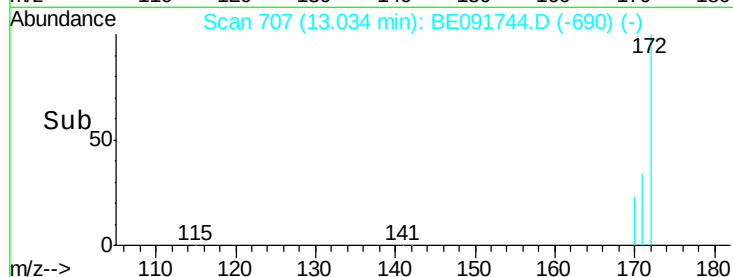
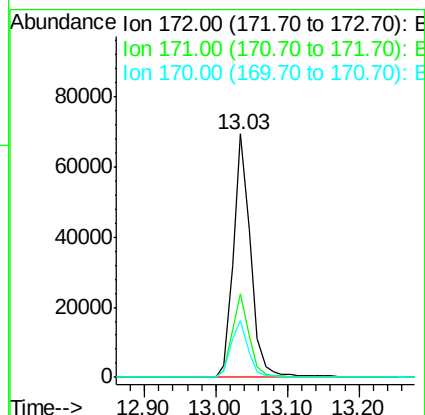
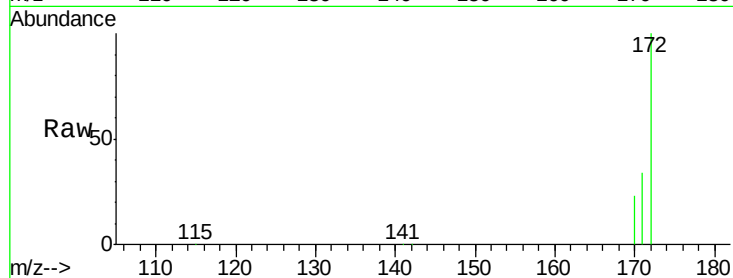




#15
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

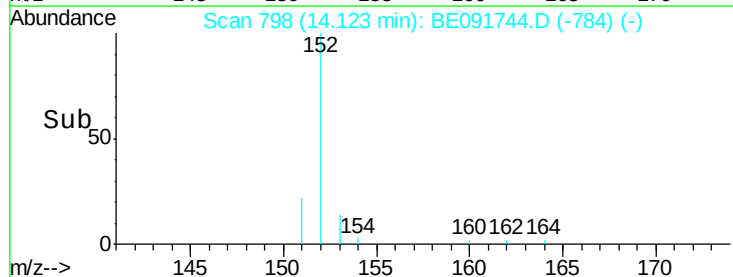
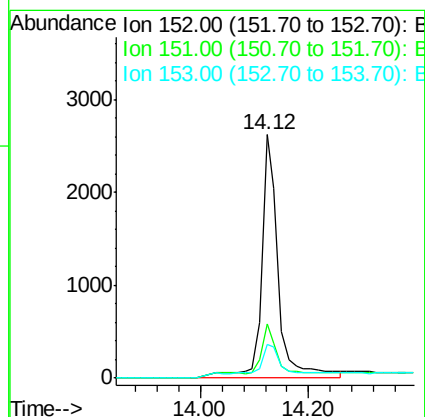
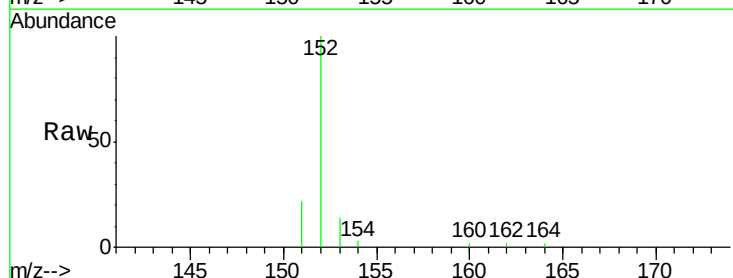
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

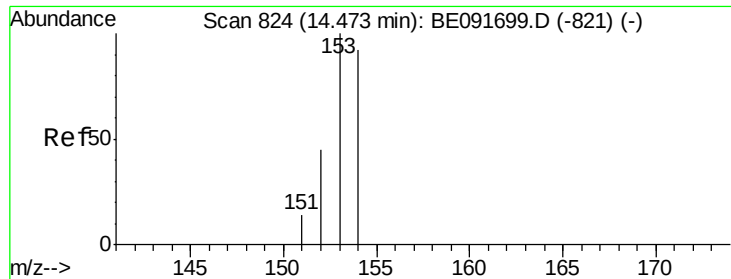
Tgt Ion:172 Resp: 115072
Ion Ratio Lower Upper
172 100
171 34.1 28.8 43.2
170 23.1 19.3 28.9



#16
Acenaphthylene
Concen: 0.16 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

Tgt Ion:152 Resp: 6078
Ion Ratio Lower Upper
152 100
151 18.4 3.9 5.9#
153 13.3 10.3 15.5





#17

Acenaphthene

Concen: 0.16 ng

RT: 14.47 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

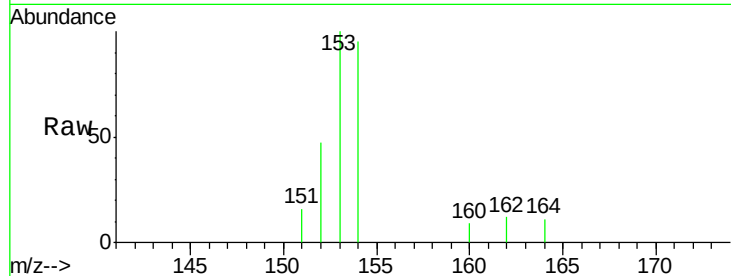
Tgt Ion:154 Resp: 3951

Ion Ratio Lower Upper

154 100

153 115.9 80.0 120.0

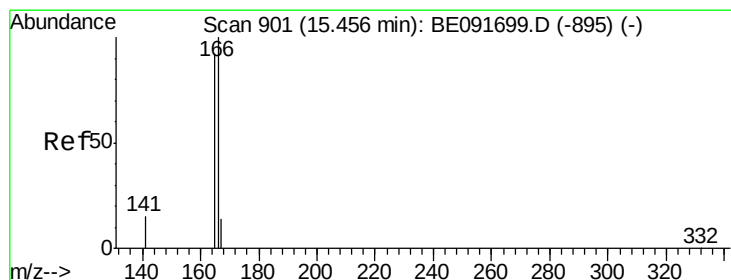
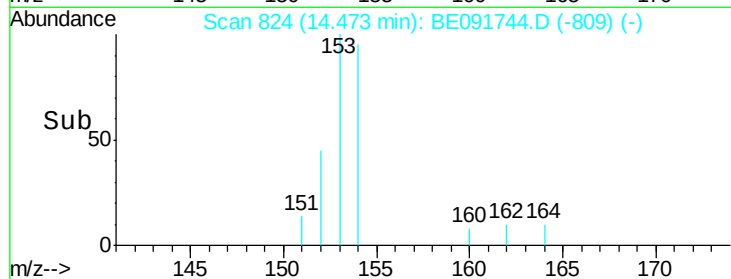
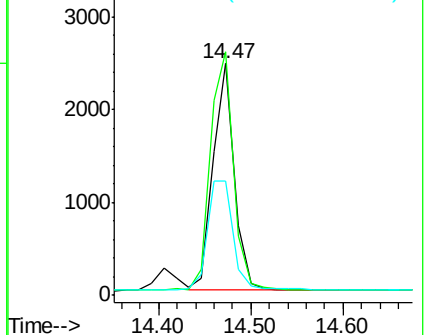
152 57.8 40.0 60.0



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



#18

Fluorene

Concen: 0.16 ng

RT: 15.46 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

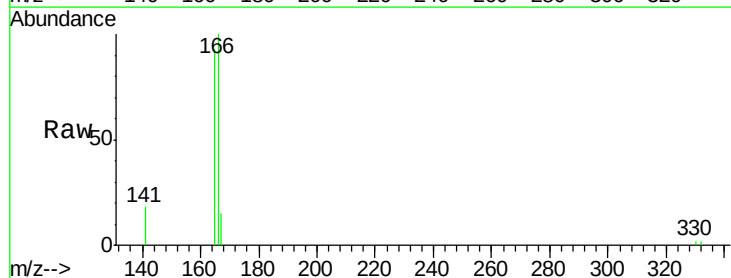
Tgt Ion:166 Resp: 4867

Ion Ratio Lower Upper

166 100

165 98.7 80.8 121.2

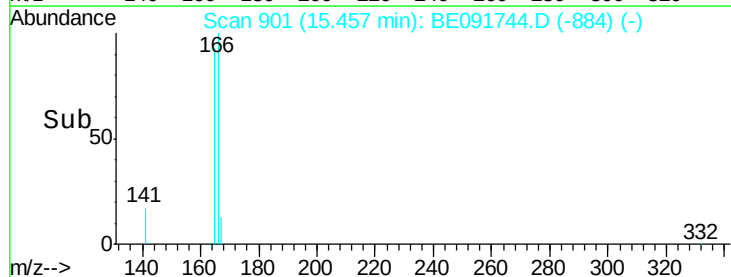
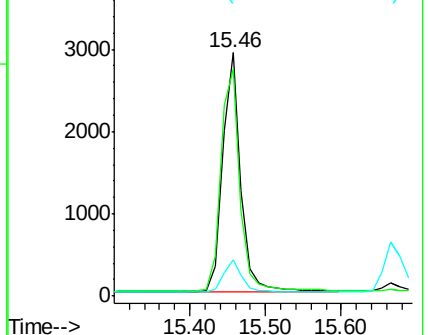
167 13.2 10.9 16.3

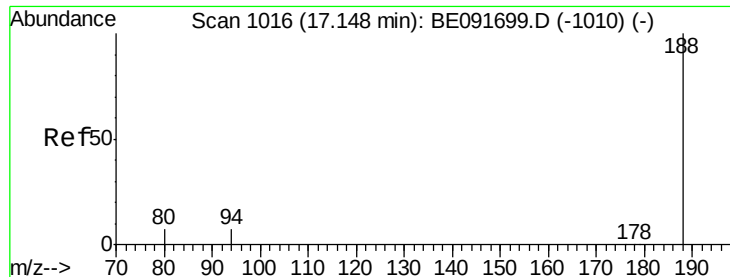


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

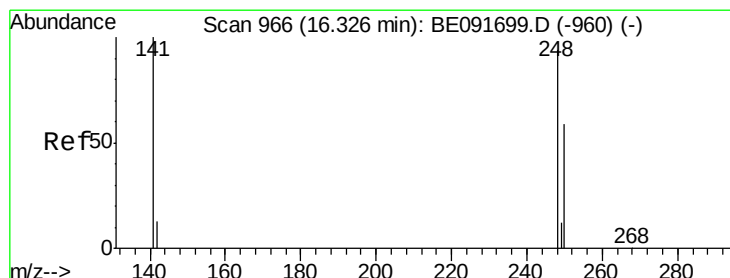
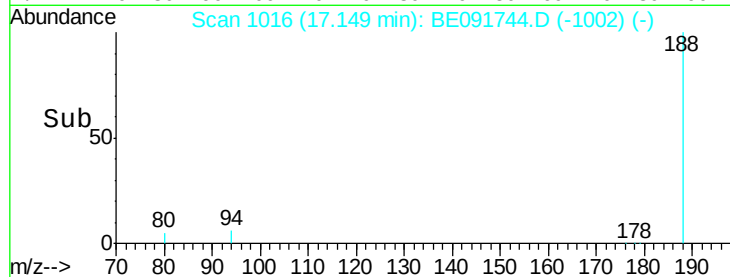
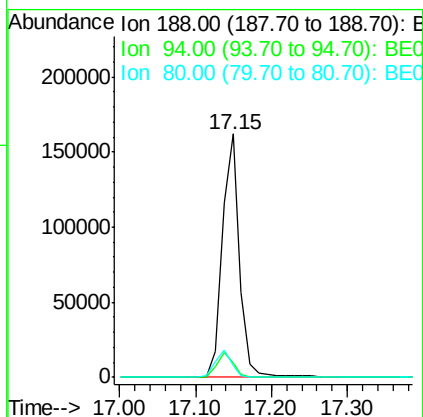
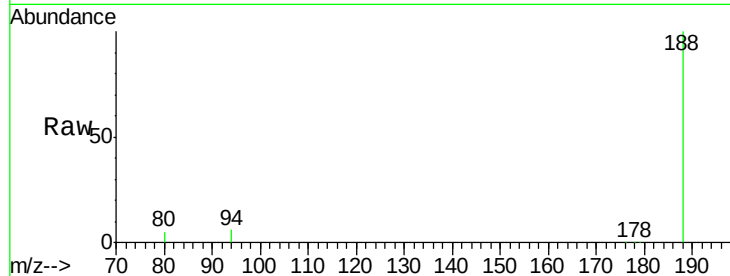




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

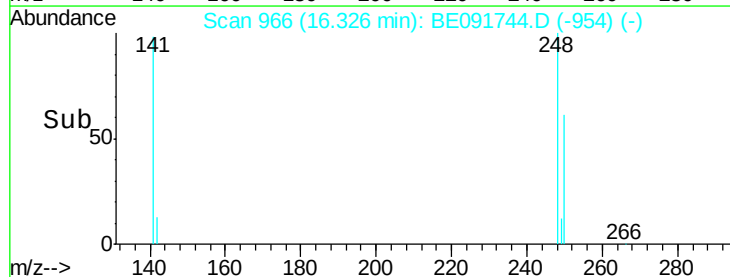
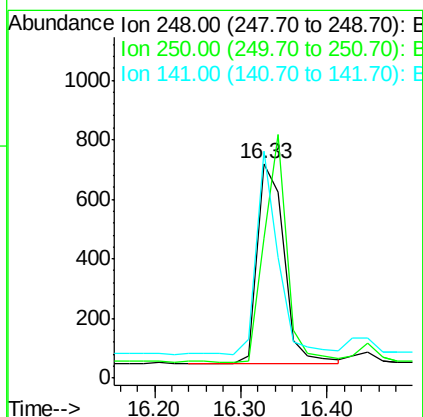
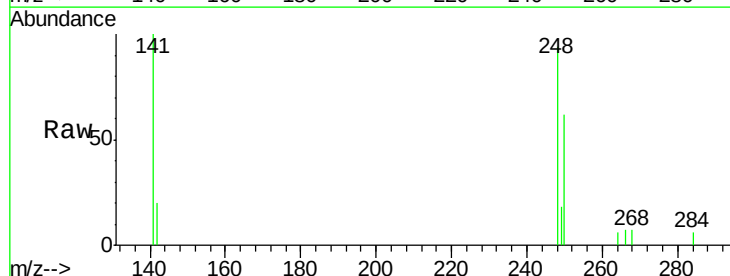
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

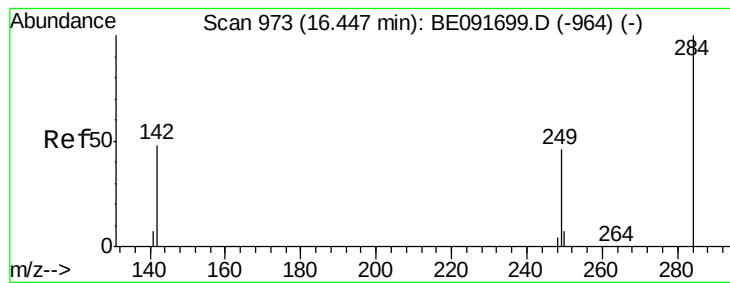
Tgt Ion:188 Resp: 258991
Ion Ratio Lower Upper
188 100
94 5.7 8.7 13.1#
80 5.1 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 0.16 ng
RT: 16.33 min Scan# 966
Delta R.T. 0.00 min
Lab File: BE091744.D
Acq: 3 May 2016 15:31

Tgt Ion:248 Resp: 1452
Ion Ratio Lower Upper
248 100
250 96.6 80.5 120.7
141 82.3 72.0 108.0





#21

Hexachlorobenzene

Concen: 0.17 ng

RT: 16.45 min Scan# 973

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

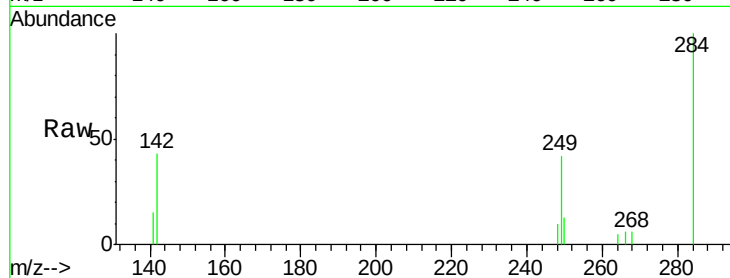
Tgt Ion: 284 Resp: 1558

Ion Ratio Lower Upper

284 100

142 41.2 32.2 48.2

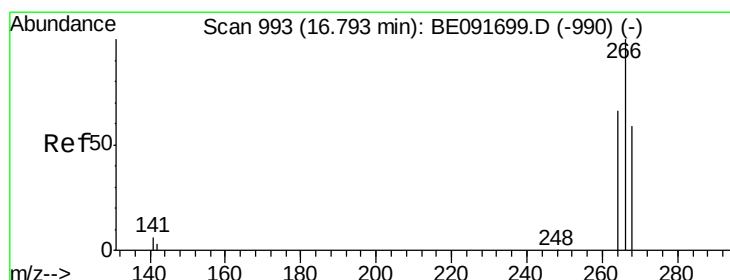
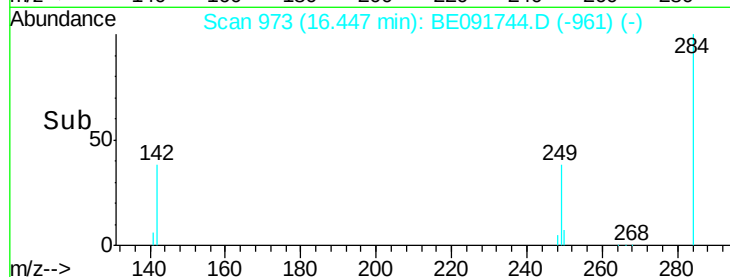
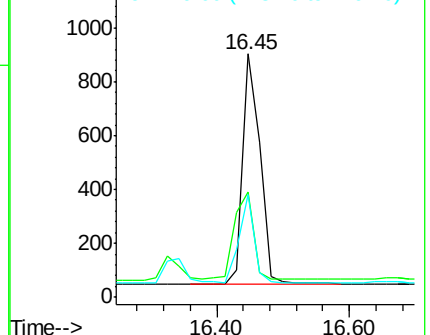
249 32.8 25.4 38.2



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: 0.17 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

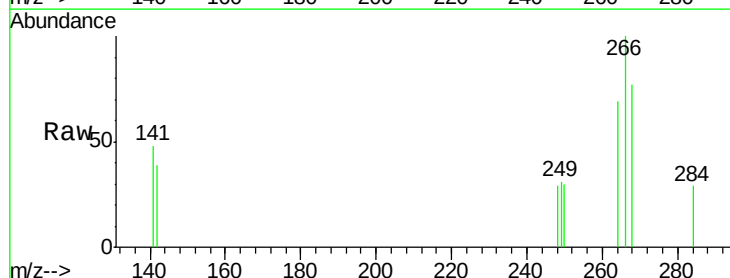
Tgt Ion: 266 Resp: 376

Ion Ratio Lower Upper

266 100

268 77.3 58.2 87.2

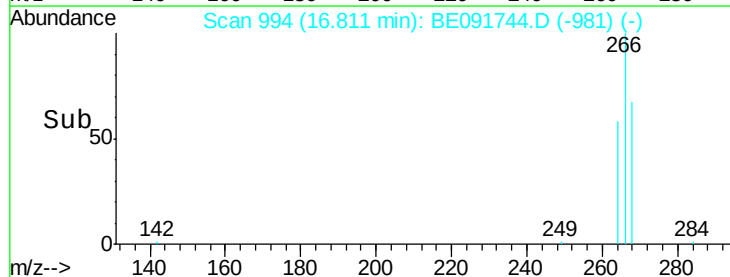
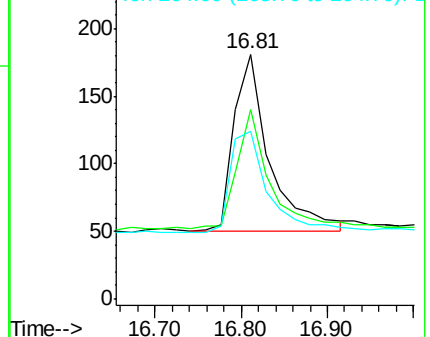
264 68.5 56.2 84.4

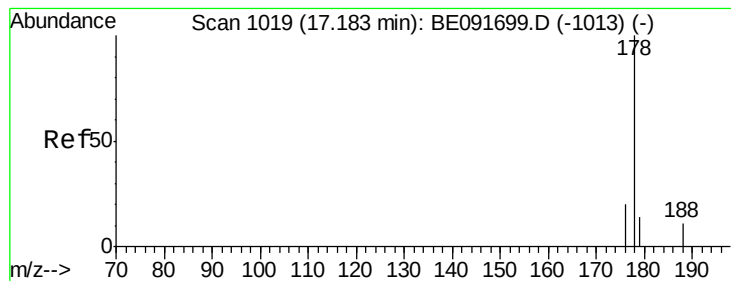


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.17 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

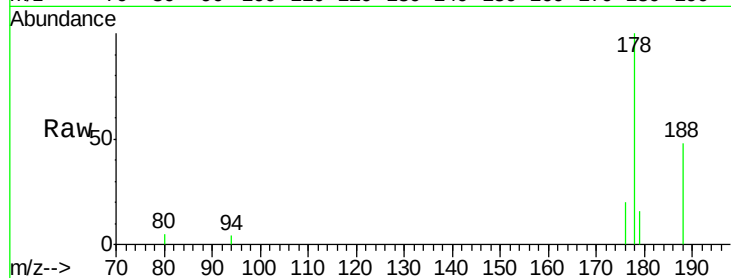
Tgt Ion:178 Resp: 10223

Ion Ratio Lower Upper

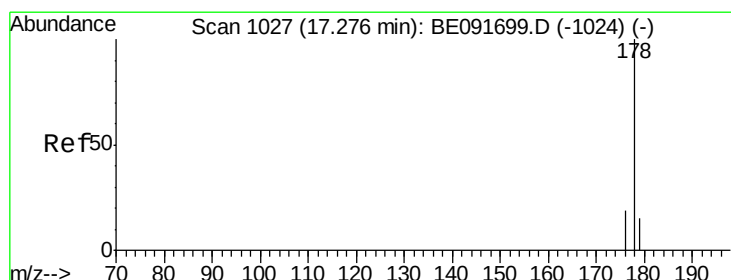
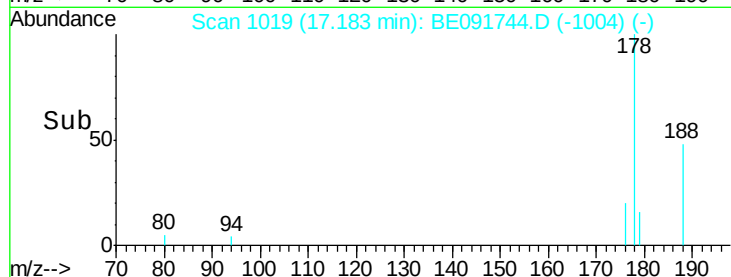
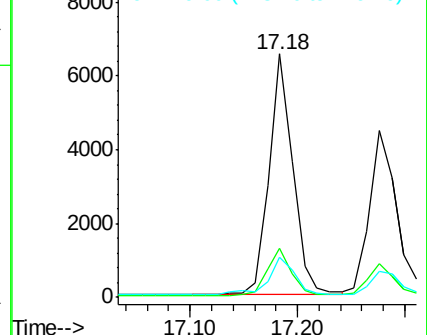
178 100

176 19.0 15.3 22.9

179 17.4 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: 0.15 ng

RT: 17.28 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

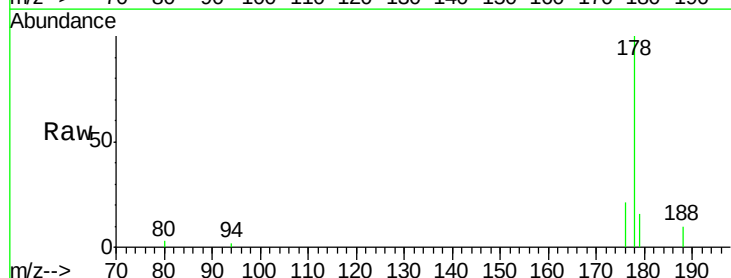
Tgt Ion:178 Resp: 8054

Ion Ratio Lower Upper

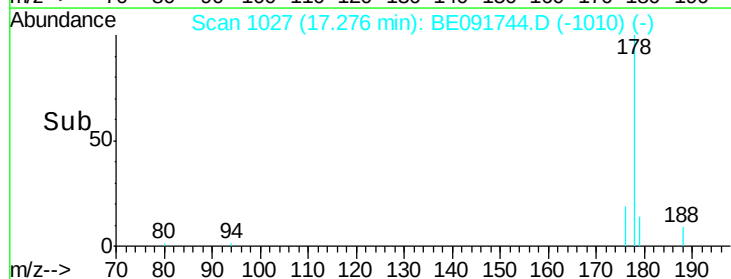
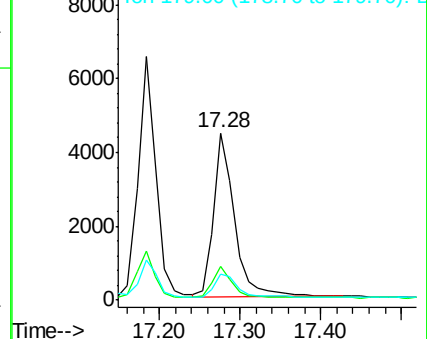
178 100

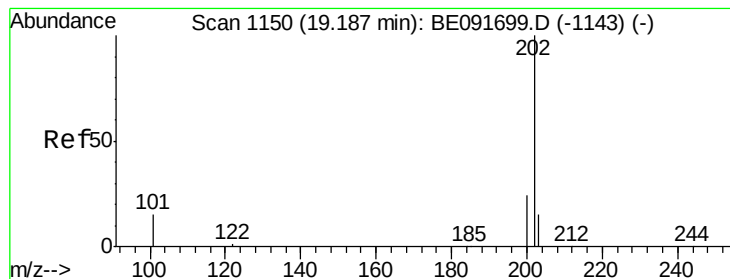
176 18.9 14.6 21.8

179 15.5 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: 0.16 ng

RT: 19.19 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

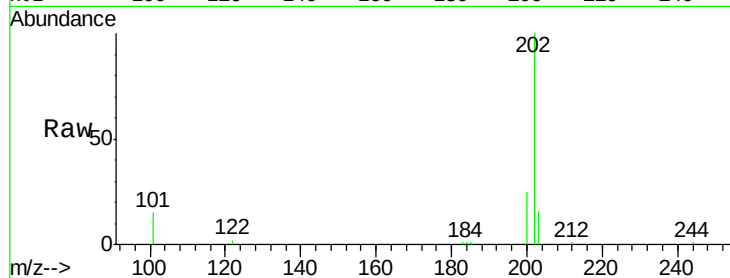
Tgt Ion:202 Resp: 9550

Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.6

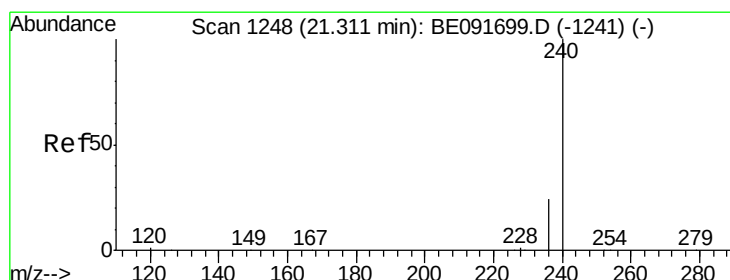
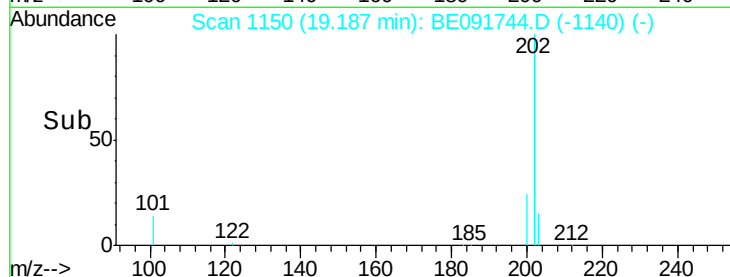
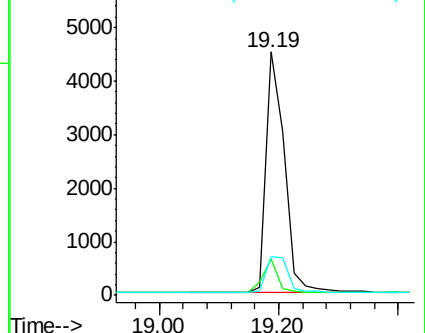
203 17.9 13.9 20.9



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: BE091744.D

Acq: 3 May 2016 15:31

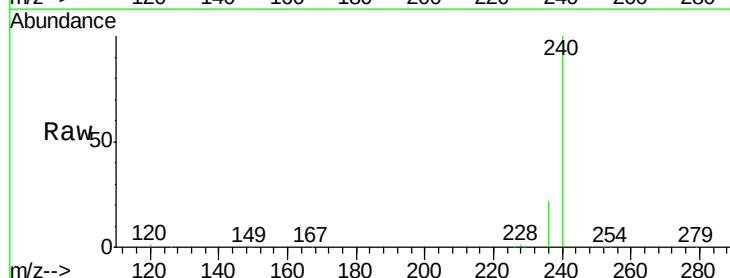
Tgt Ion:240 Resp: 263380

Ion Ratio Lower Upper

240 100

120 1.0 11.0 16.4#

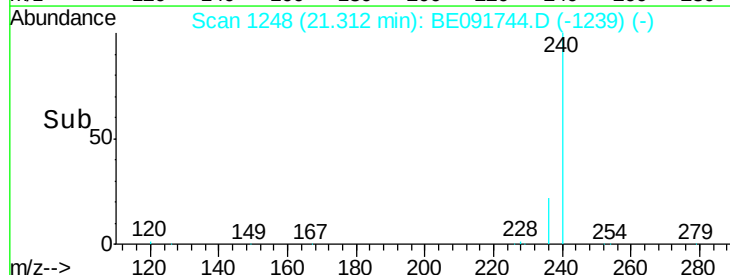
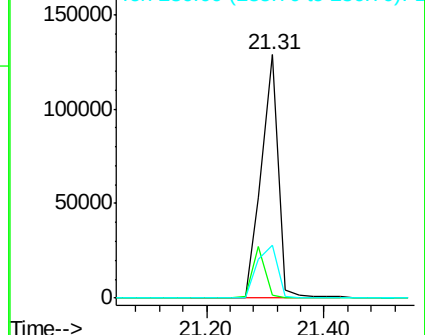
236 21.6 21.7 32.5#

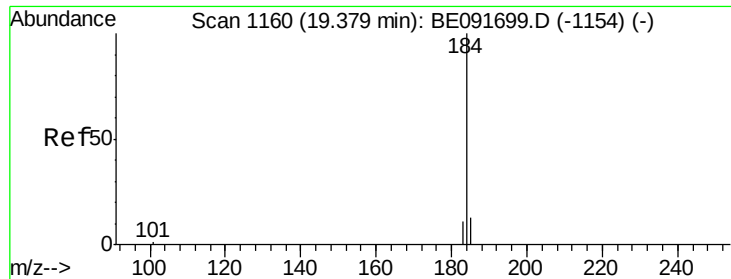


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.24 ng

RT: 19.40 min Scan# 1161

Delta R.T. 0.02 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

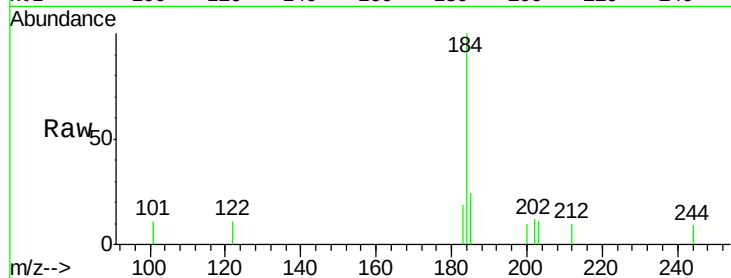
Tgt Ion:184 Resp: 1651

Ion Ratio Lower Upper

184 100

185 24.0 22.3 33.5

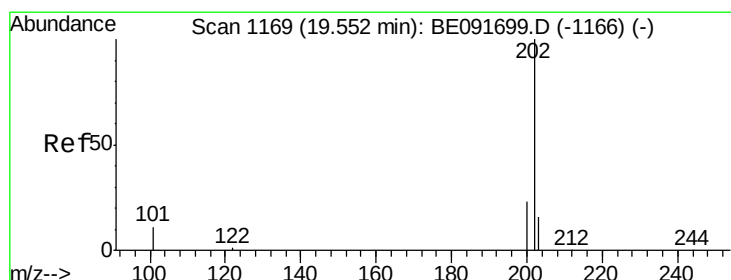
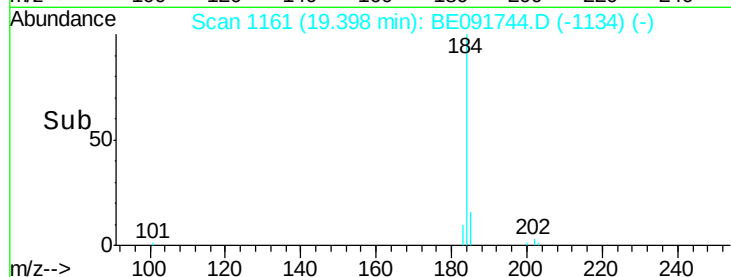
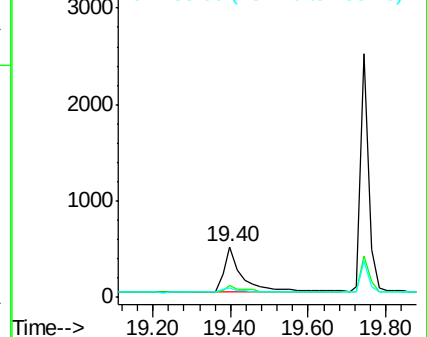
183 18.9 16.4 24.6



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. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

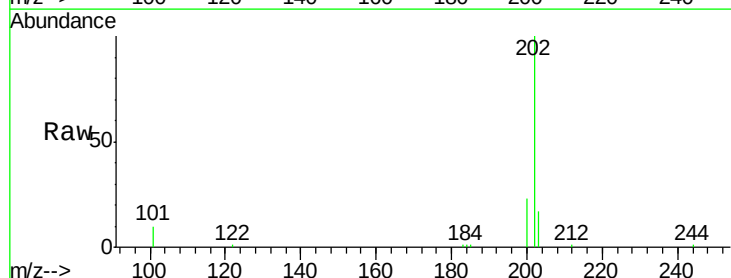
Tgt Ion:202 Resp: 10649

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

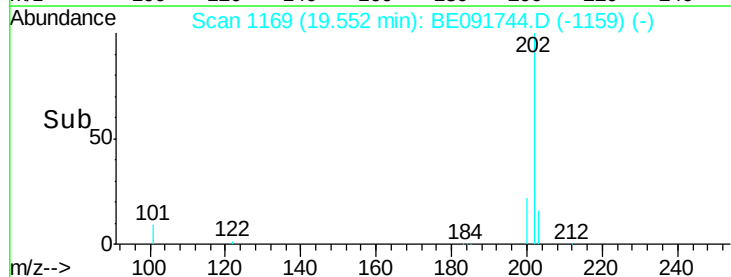
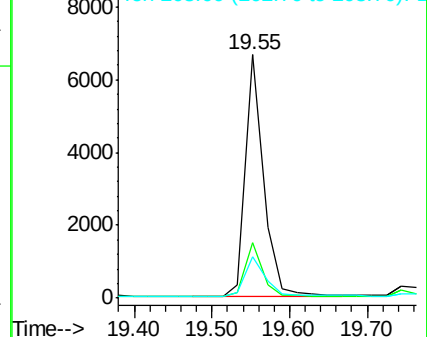
203 17.8 14.0 21.0

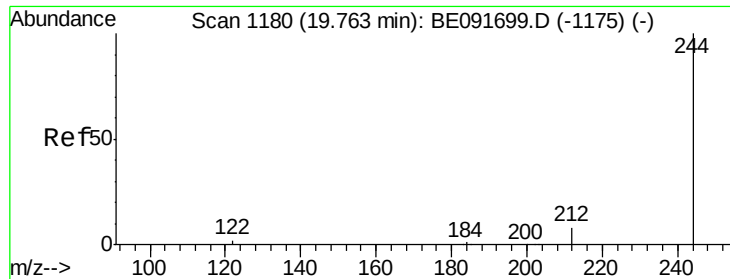


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.32 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

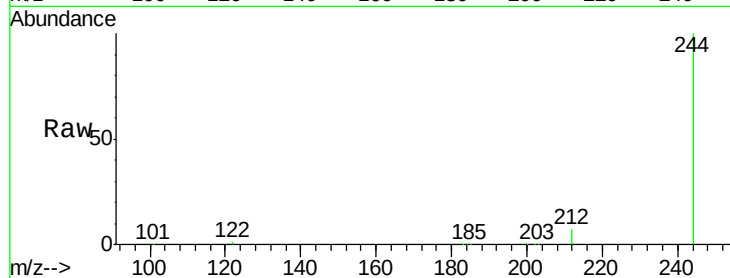
Tgt Ion:244 Resp: 177540

Ion Ratio Lower Upper

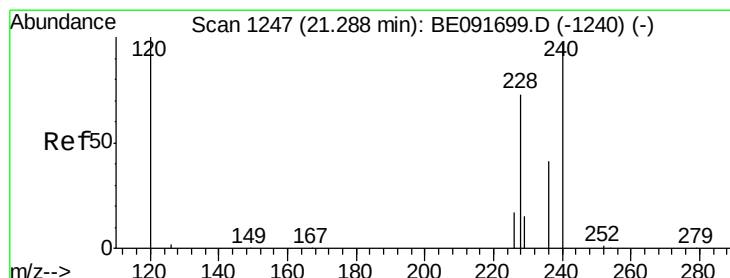
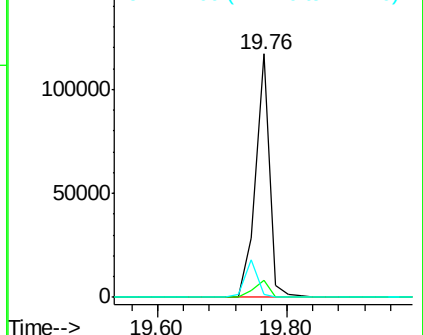
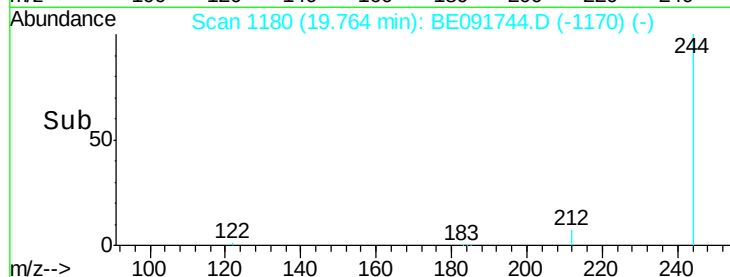
244 100

212 7.1 6.9 10.3

122 1.2 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: BE091744.D

Acq: 3 May 2016 15:31

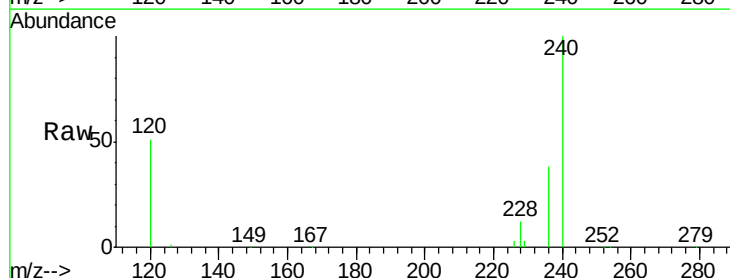
Tgt Ion:228 Resp: 11674

Ion Ratio Lower Upper

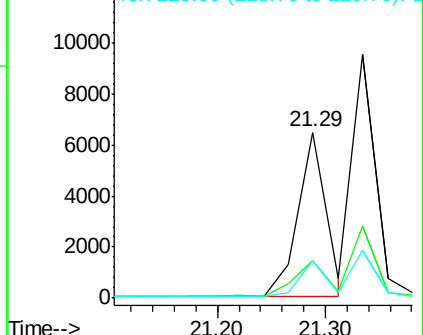
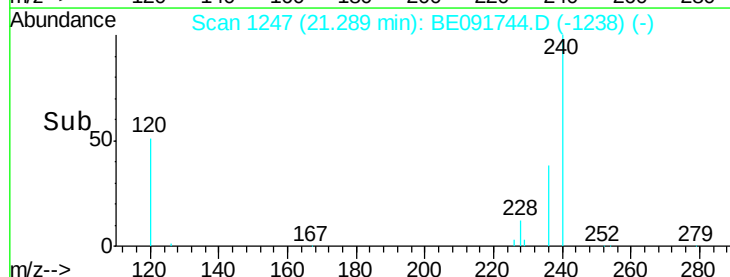
228 100

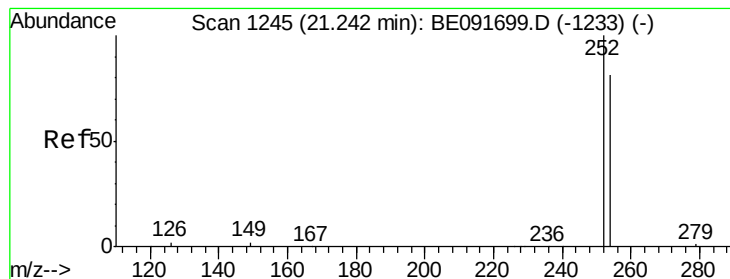
226 22.8 21.0 31.4

229 22.3 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: 0.19 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

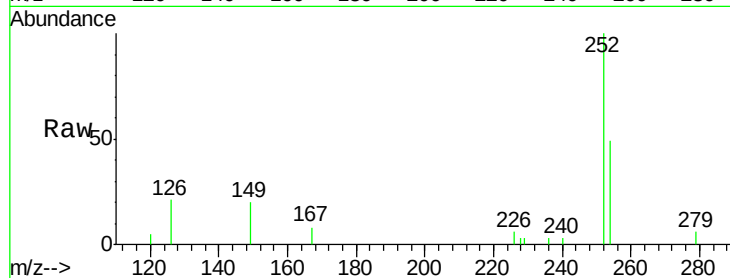
Tgt Ion:252 Resp: 6279

Ion Ratio Lower Upper

252 100

254 48.9 51.1 76.7#

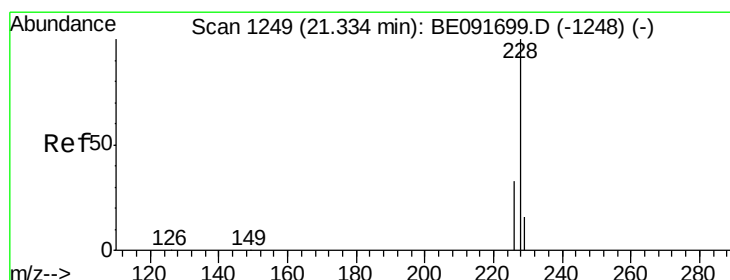
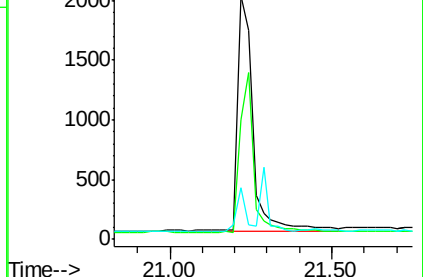
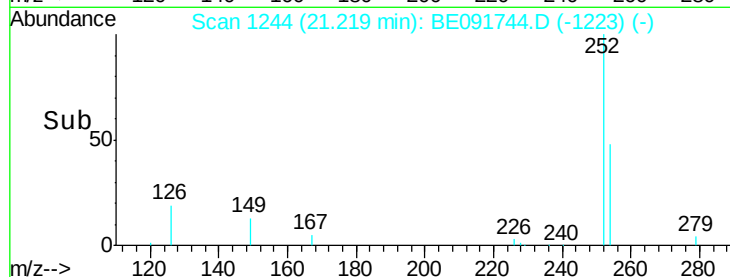
126 21.0 12.6 18.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 0.17 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

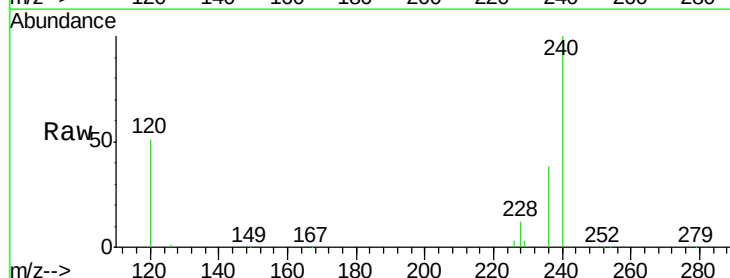
Tgt Ion:228 Resp: 11674

Ion Ratio Lower Upper

228 100

226 22.8 24.0 36.0#

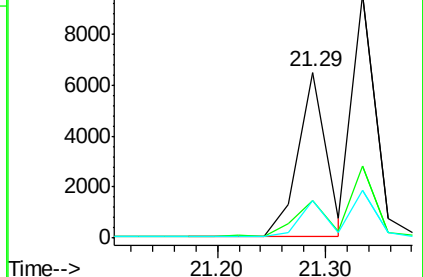
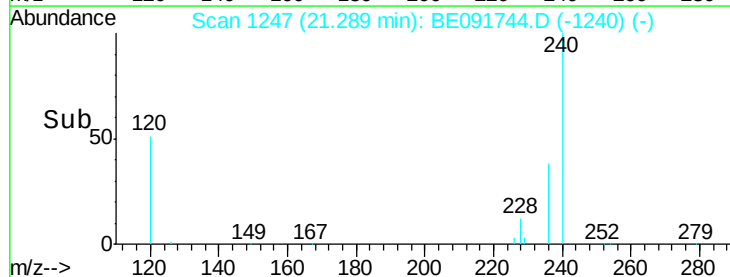
229 22.3 15.9 23.9

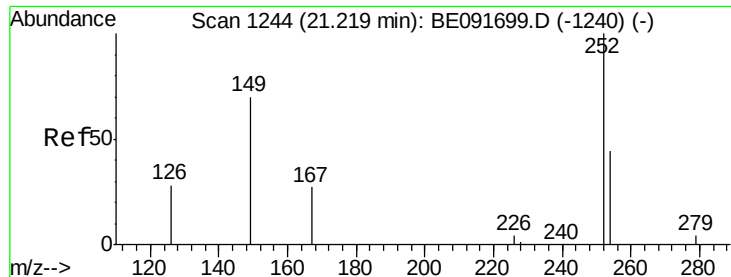


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

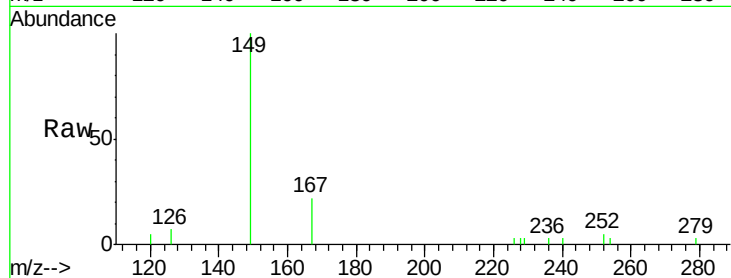
Tgt Ion:149 Resp: 2604

Ion Ratio Lower Upper

149 100

167 23.5 19.5 29.3

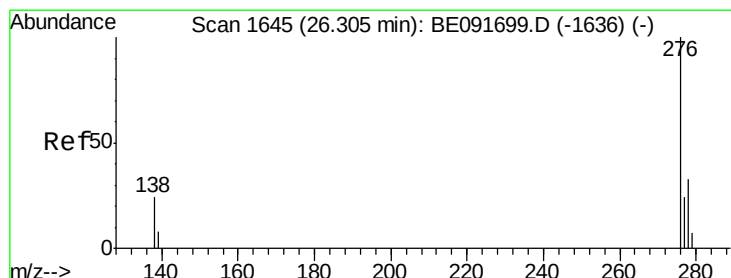
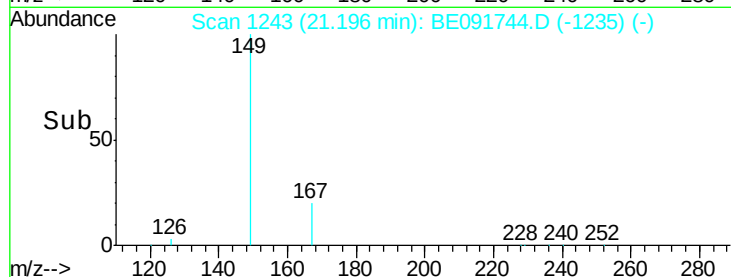
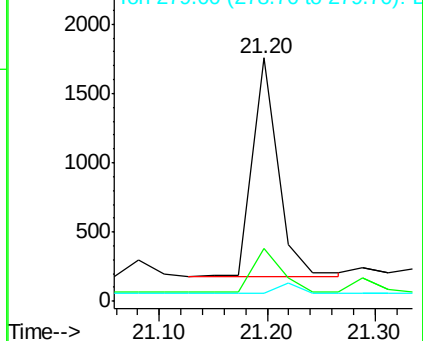
279 0.0 10.0 15.0#



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 26.31 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

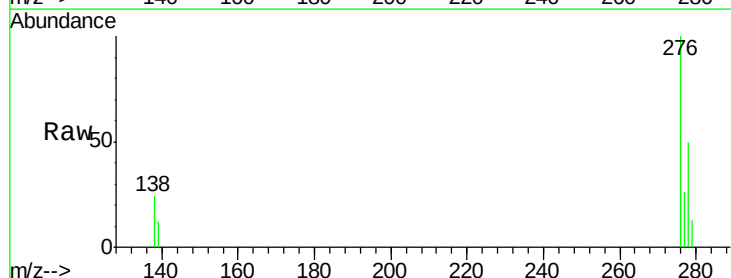
Tgt Ion:276 Resp: 11260

Ion Ratio Lower Upper

276 100

138 25.3 23.4 35.2

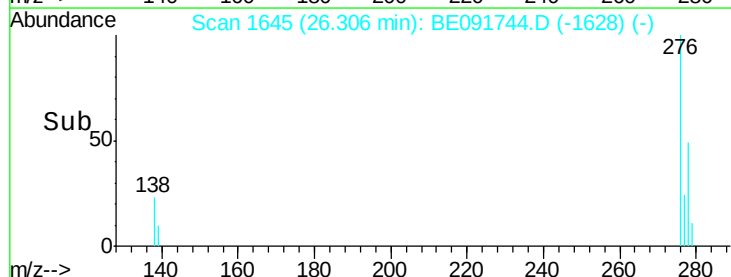
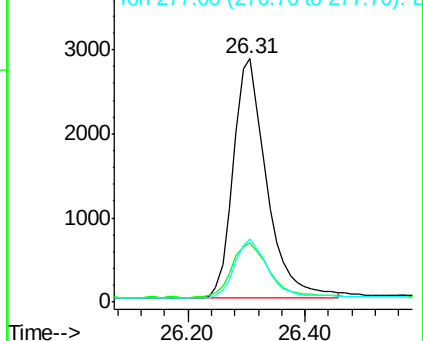
277 24.6 19.8 29.8

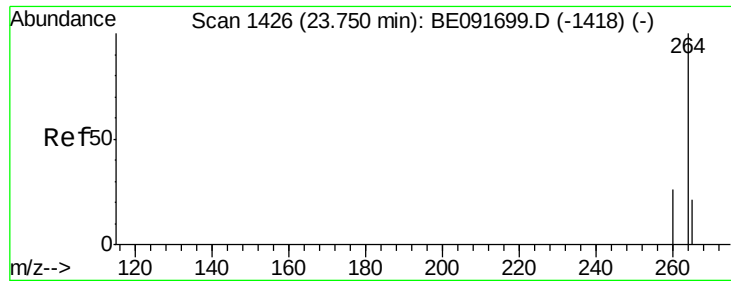


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

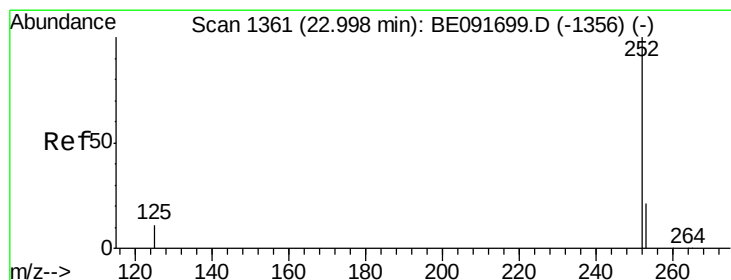
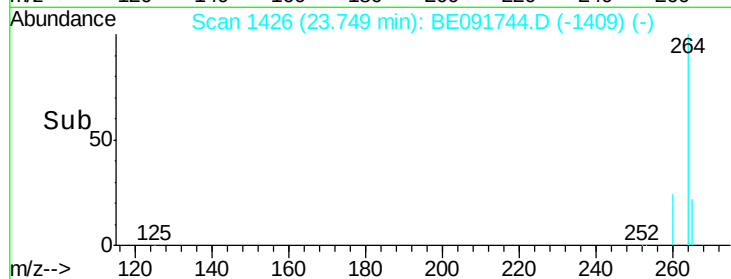
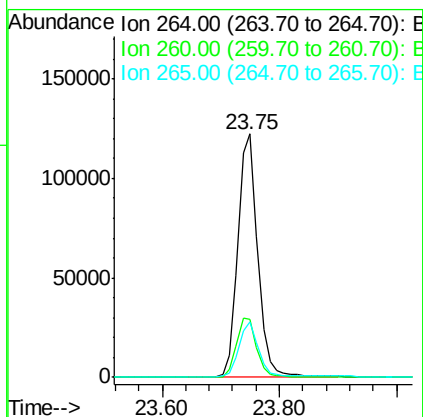
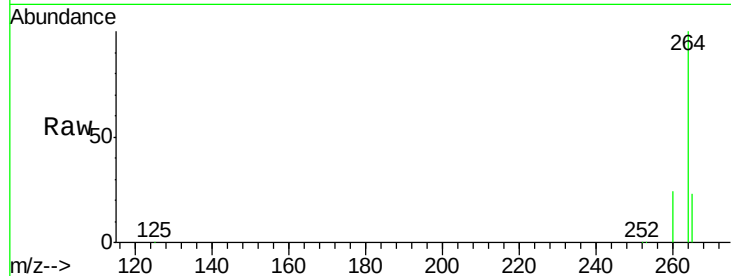




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE091744.D
 Acq: 3 May 2016 15:31

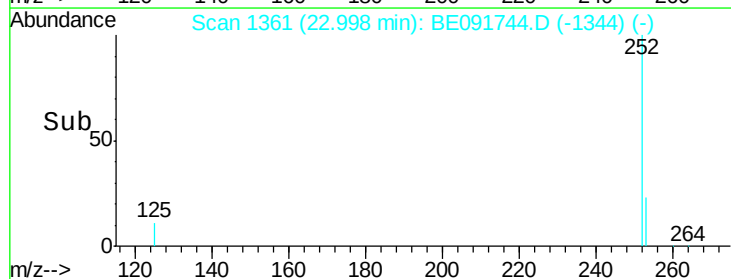
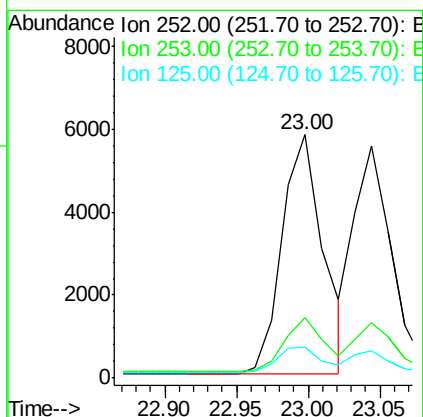
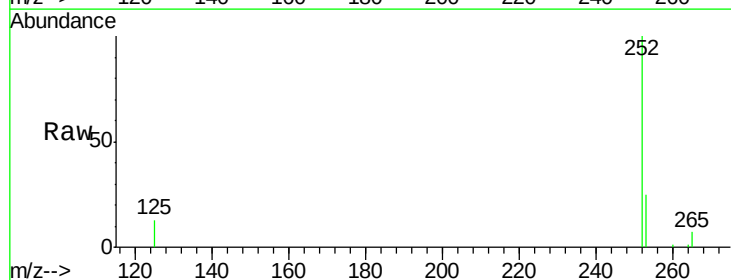
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

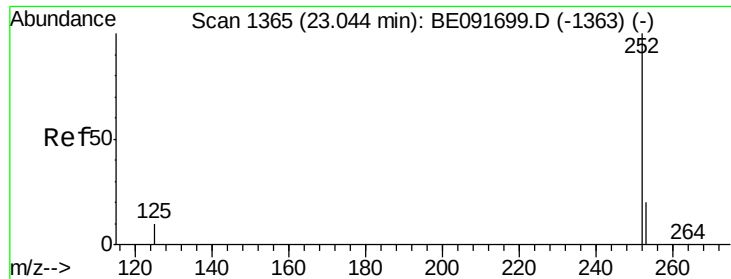
Tgt Ion: 264 Resp: 287880
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.0 30.0
 265 22.7 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.17 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: BE091744.D
 Acq: 3 May 2016 15:31

Tgt Ion: 252 Resp: 11518
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.4 26.0
 125 12.6 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.15 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

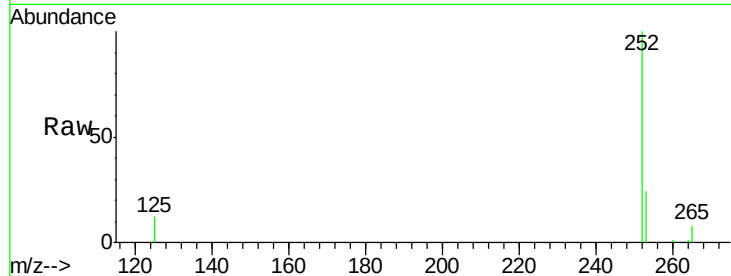
Tgt Ion:252 Resp: 10395

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

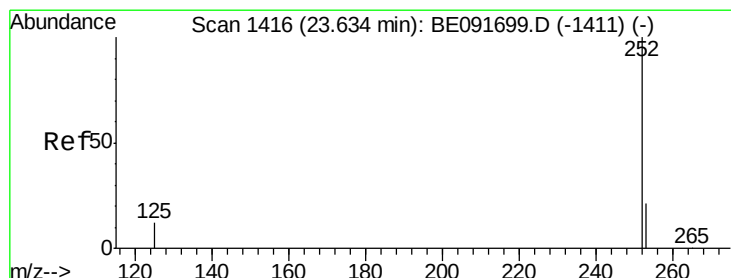
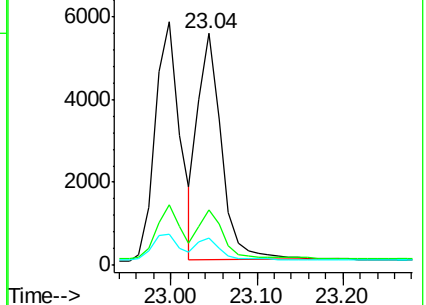
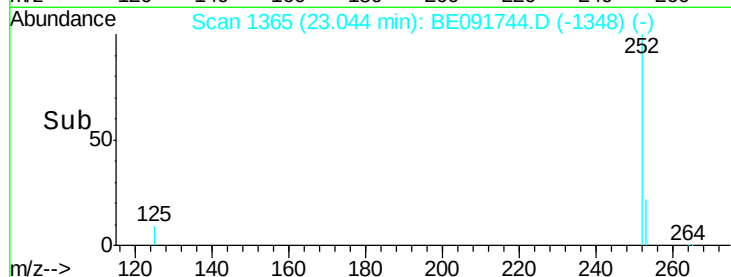
125 11.6 9.9 14.9



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. -0.00 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

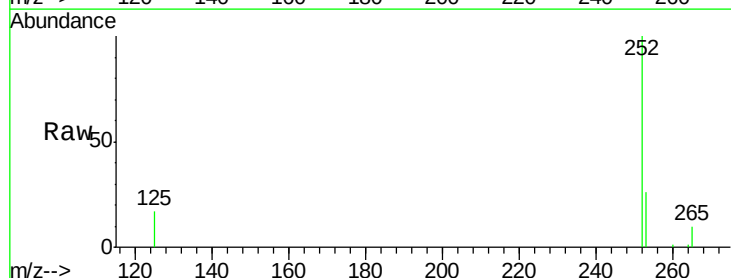
Tgt Ion:252 Resp: 9885

Ion Ratio Lower Upper

252 100

253 26.0 18.1 27.1

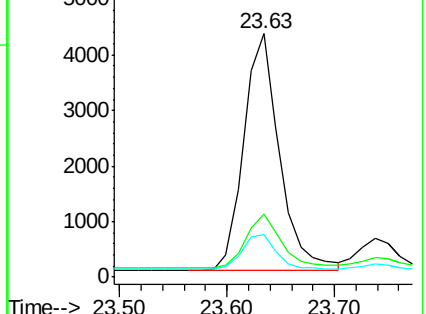
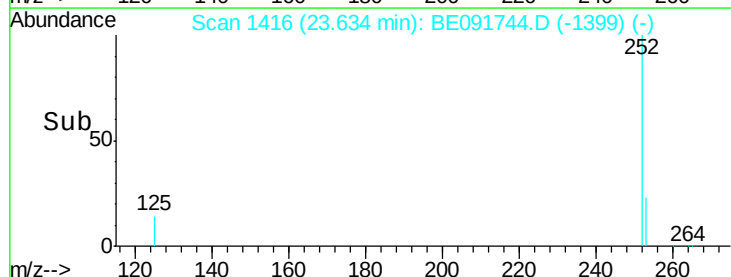
125 17.4 11.0 16.4#

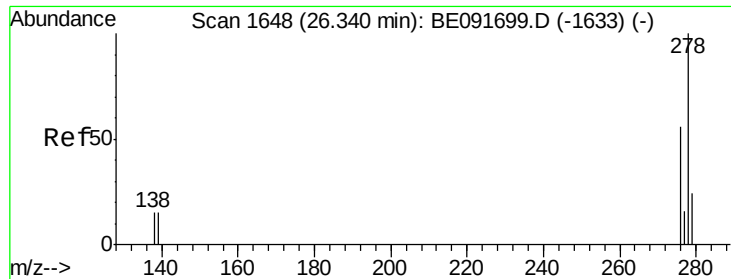


Abundance Ion 252.00 (251.70 to 252.70): E

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: 26.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

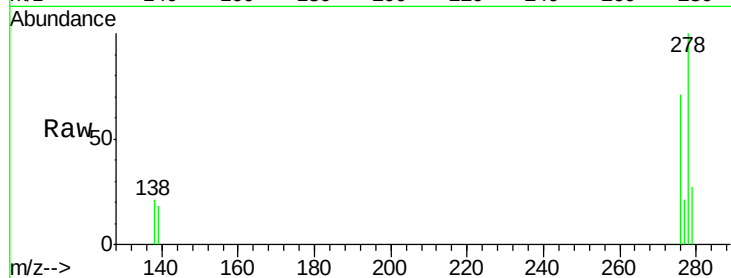
Tgt Ion: 278 Resp: 9121

Ion Ratio Lower Upper

278 100

139 18.0 16.0 24.0

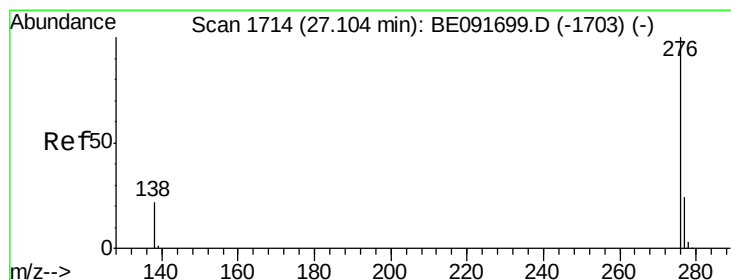
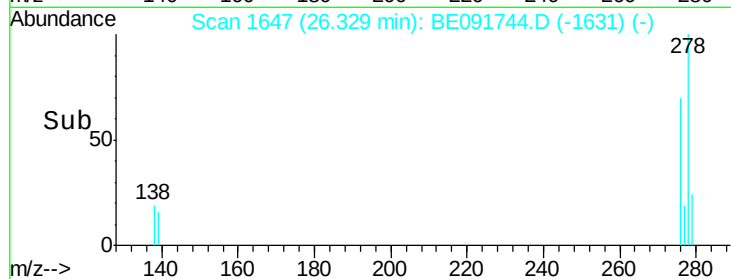
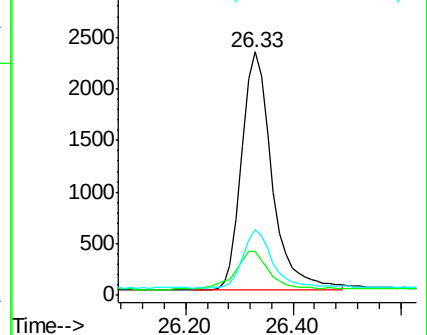
279 26.9 19.4 29.2



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: 0.15 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091744.D

Acq: 3 May 2016 15:31

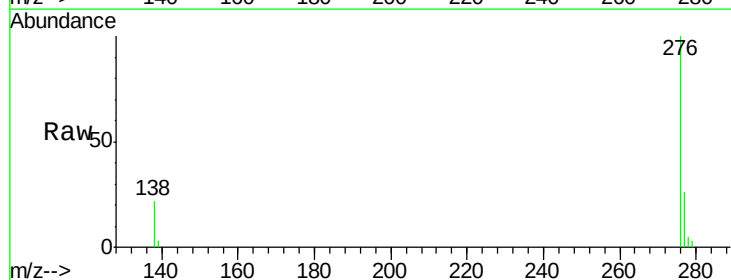
Tgt Ion: 276 Resp: 9467

Ion Ratio Lower Upper

276 100

277 26.4 18.6 28.0

138 22.5 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

