

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042716\
 Data File : BE091728.D
 Acq On : 27 Apr 2016 16:18
 Operator : UM/SJ
 Sample : H1824-04
 Misc : L00 2PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Apr 28 03:13:07 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	37346	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	164168	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	96189	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	246996	5.00	ng	0.00
26) Chrysene-d12	21.31	240	288239	5.00	ng	0.00
35) Perylene-d12	23.75	264	299875	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	72572	7.91	ng	0.00
5) Phenol-d6	6.95	99	97788	8.04	ng	0.00
8) Nitrobenzene-d5	8.95	82	42830	4.04	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	30442	8.49	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	113888	4.19	ng	0.00
29) Terphenyl-d14	19.76	244	194008	4.32	ng	0.00

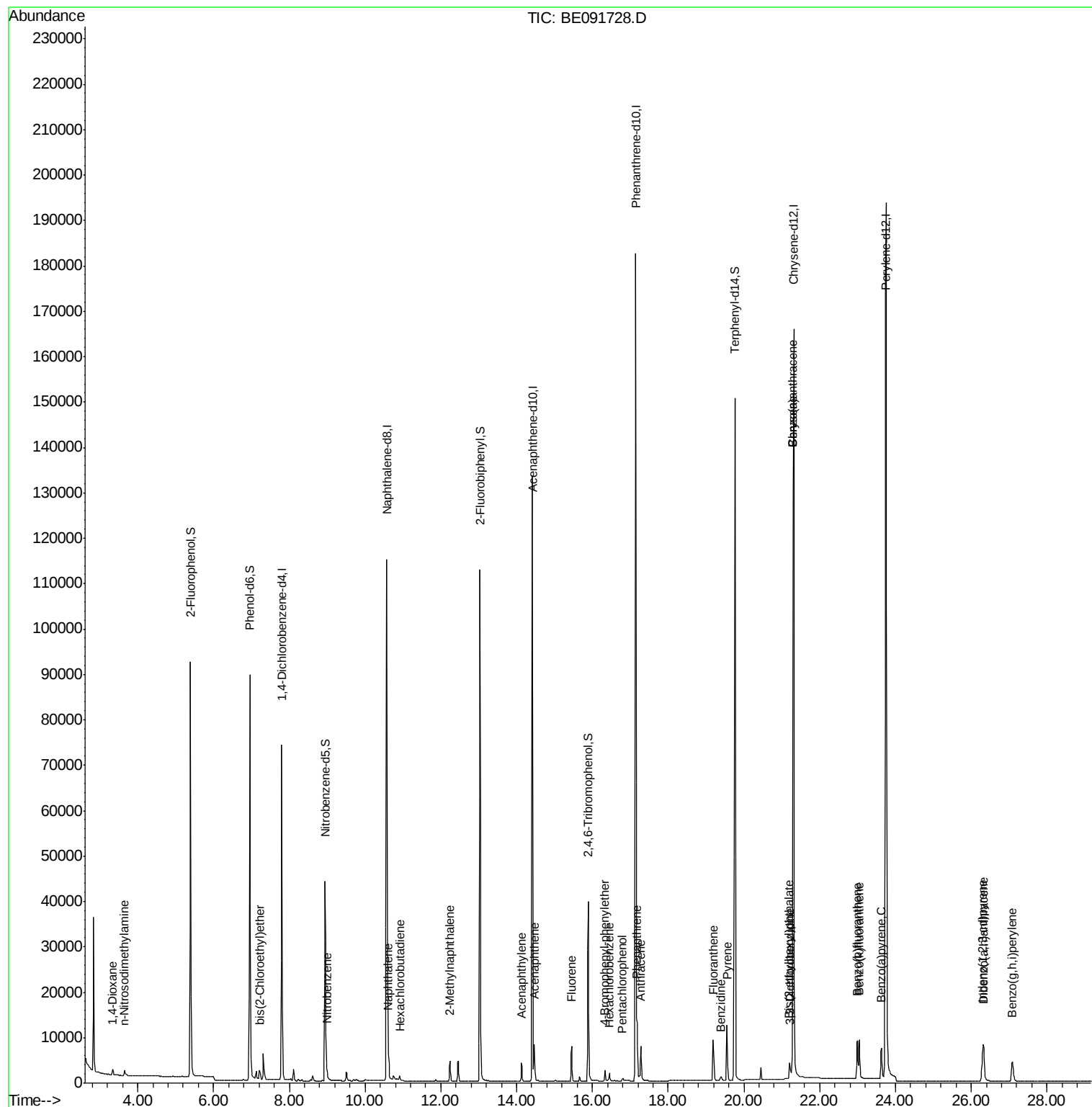
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	958	0.12	ng	91
3) n-Nitrosodimethylamine	3.65	42	1048	0.15	ng	97
6) bis(2-Chloroethyl)ether	7.21	93	1835	0.17	ng	# 77
9) Nitrobenzene	8.99	77	2224	0.20	ng	# 96
10) Naphthalene	10.61	128	6181	0.19	ng	# 95
11) Hexachlorobutadiene	10.92	225	1422	0.29	ng	# 84
12) 2-Methylnaphthalene	12.24	142	4006	0.19	ng	98
16) Acenaphthylene	14.12	152	7070	0.19	ng	# 62
17) Acenaphthene	14.47	154	4276	0.18	ng	87
18) Fluorene	15.46	166	5520	0.19	ng	97
20) 4-Bromophenyl-phenylether	16.33	248	1616	0.18	ng	97
21) Hexachlorobenzene	16.45	284	1702	0.19	ng	97
22) Pentachlorophenol	16.79	266	620	0.22	ng	92
23) Phenanthrene	17.18	178	11479	0.20	ng	99
24) Anthracene	17.28	178	9398	0.19	ng	98
25) Fluoranthene	19.19	202	11732	0.20	ng	97
27) Benzidine	19.40	184	2429	0.27	ng	91
28) Pyrene	19.55	202	13028	0.20	ng	99
30) Benzo(a)anthracene	21.29	228	14080	0.20	ng	93
31) 3,3'-Dichlorobenzidine	21.22	252	2336	0.07	ng	# 81
32) Chrysene	21.29	228	14047	0.19	ng	# 89
33) Bis(2-ethylhexyl)phthalate	21.20	149	4758	0.22	ng	# 86
34) Indeno(1,2,3-cd)pyrene	26.30	276	13141	0.20	ng	96
36) Benzo(b)fluoranthene	22.99	252	13813	0.20	ng	99
37) Benzo(k)fluoranthene	23.05	252	11876	0.17	ng	95
38) Benzo(a)pyrene	23.64	252	11833	0.18	ng	95
39) Dibenzo(a,h)anthracene	26.33	278	10891	0.17	ng	96
40) Benzo(g,h,i)perylene	27.09	276	11223	0.18	ng	96

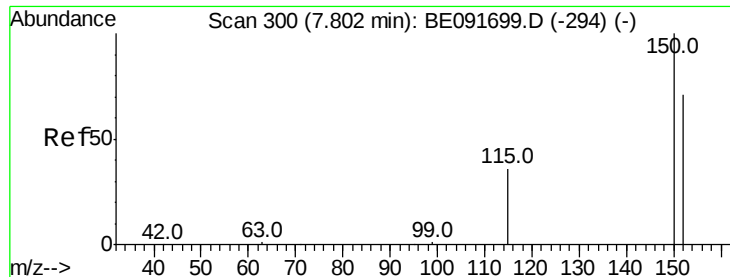
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

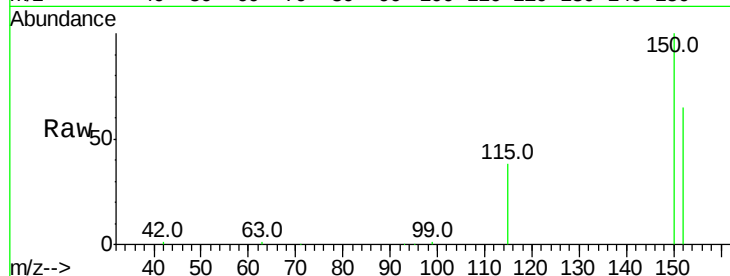
Tot Ion:152 Resp: 37346

Ion Ratio Lower Upper

152 100

150 152.8 122.6 183.8

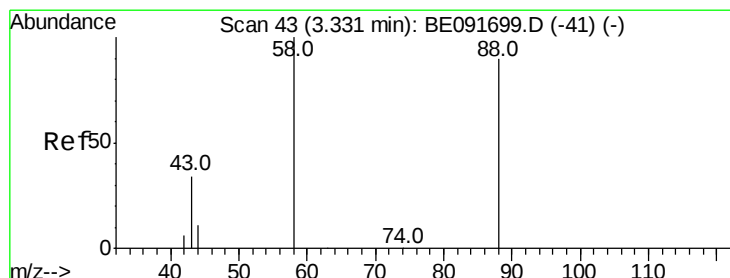
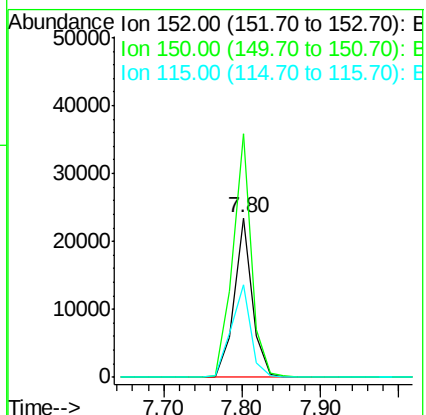
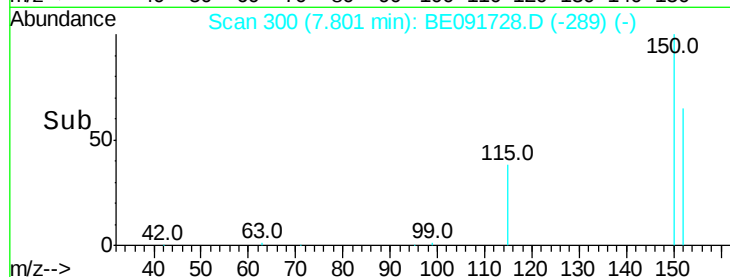
115 58.5 52.8 79.2



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: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

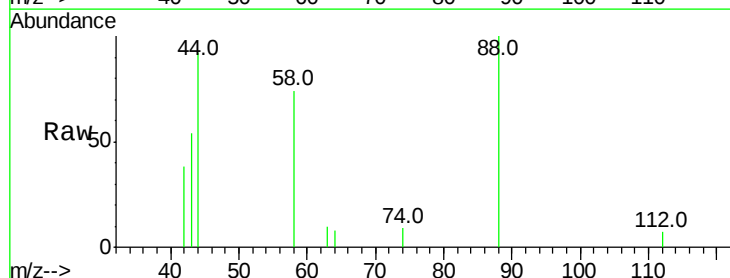
Tgt Ion: 88 Resp: 958

Ion Ratio Lower Upper

88 100

58 73.7 65.8 98.6

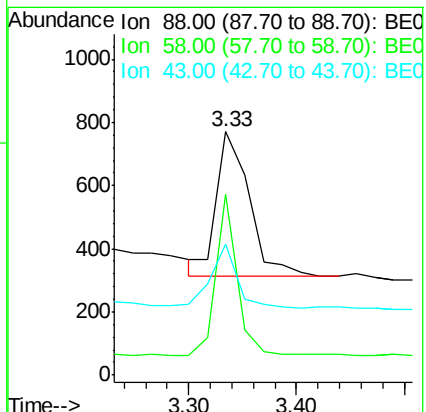
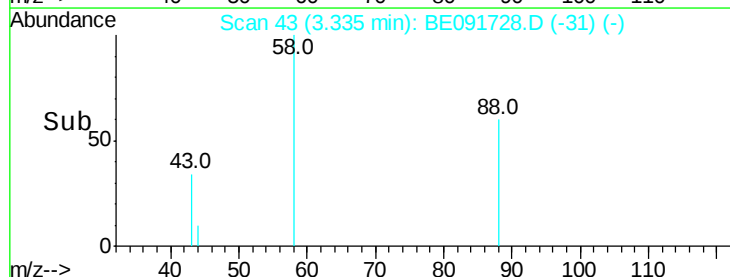
43 36.3 25.3 37.9



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: 0.15 ng

RT: 3.65 min Scan# 61

Delta R.T. 0.02 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

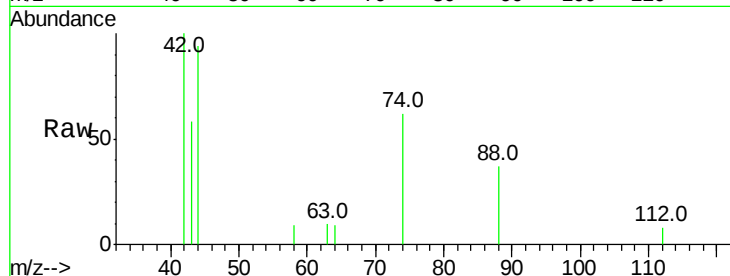
Tot Ion: 42 Resp: 1048

Ion Ratio Lower Upper

42 100

74 106.9 87.9 131.9

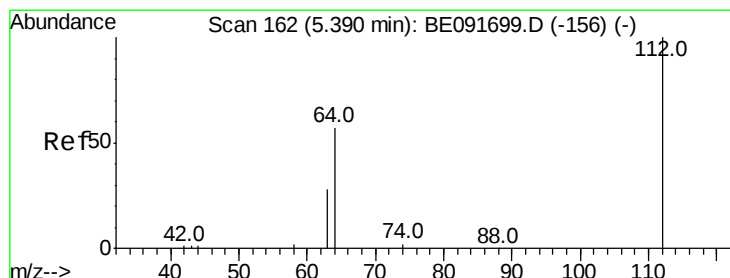
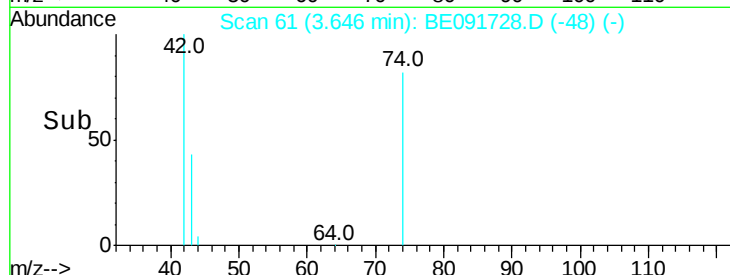
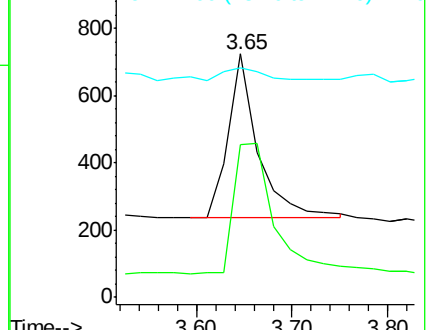
44 9.7 6.6 9.8



Abundance Ion 42.00 (41.70 to 42.70): BE091699.D (-58) (-)

Ion 74.00 (73.70 to 74.70): BE091699.D (-58) (-)

Ion 44.00 (43.70 to 44.70): BE091699.D (-58) (-)



#4

2-Fluorophenol

Concen: 7.91 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

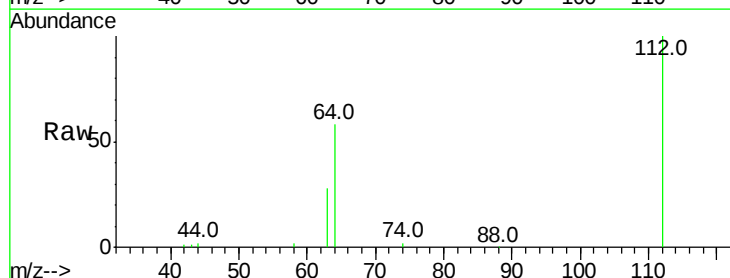
Tgt Ion: 112 Resp: 72572

Ion Ratio Lower Upper

112 100

64 66.1 30.9 46.3#

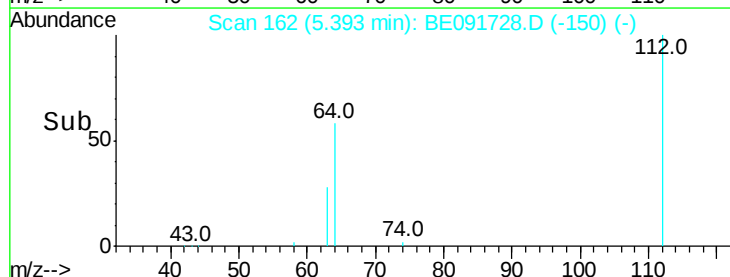
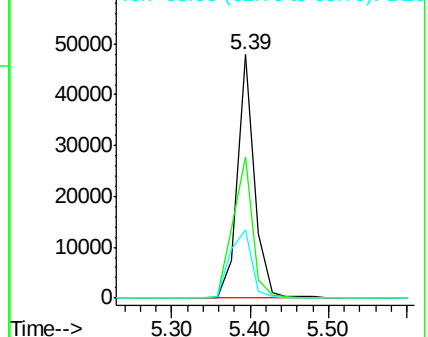
63 35.8 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091699.D (-156) (-)

Ion 64.00 (63.70 to 64.70): BE091699.D (-156) (-)

Ion 63.00 (62.70 to 63.70): BE091699.D (-156) (-)





#5

Phenol-d6

Concen: 8.04 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

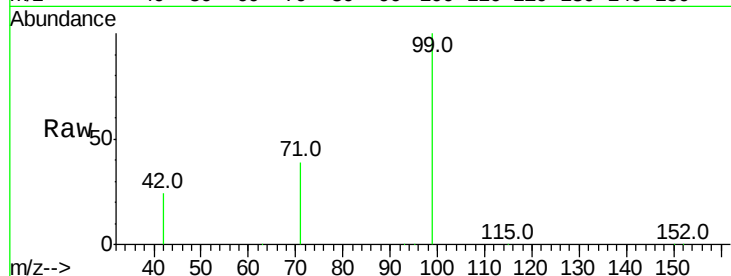
Tot Ion: 99 Resp: 97788

Ion Ratio Lower Upper

99 100

42 25.1 16.2 24.2#

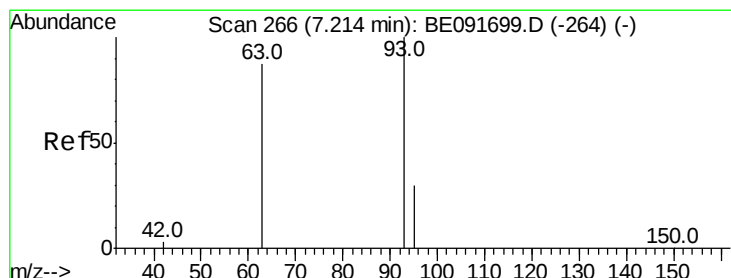
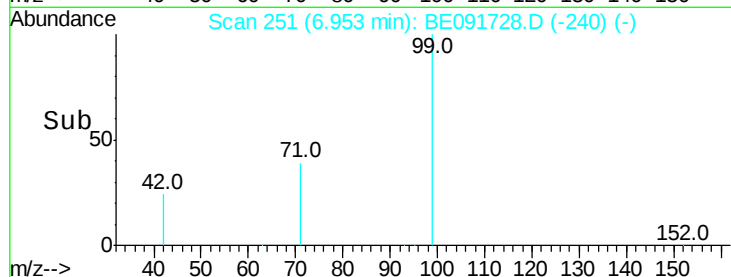
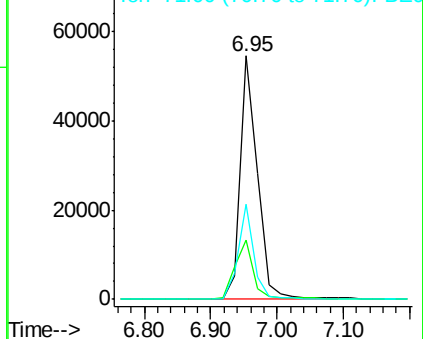
71 35.8 29.0 43.4



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: 0.17 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

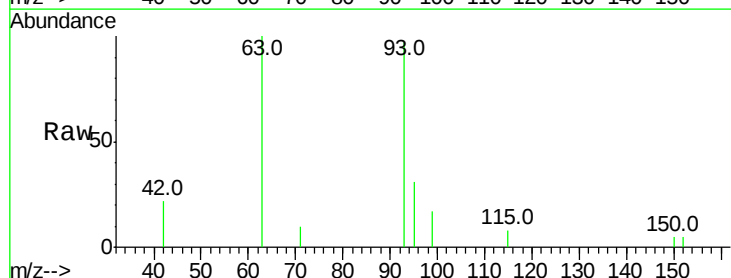
Tgt Ion: 93 Resp: 1835

Ion Ratio Lower Upper

93 100

63 85.6 49.5 74.3#

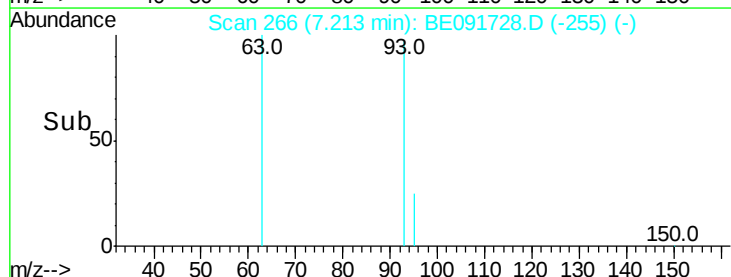
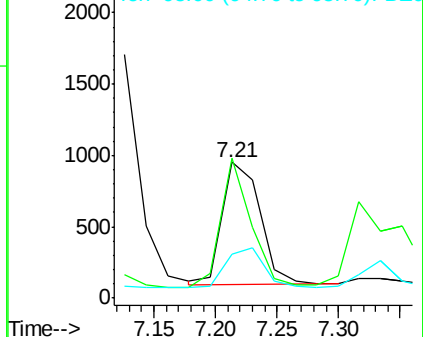
95 31.4 22.2 33.4

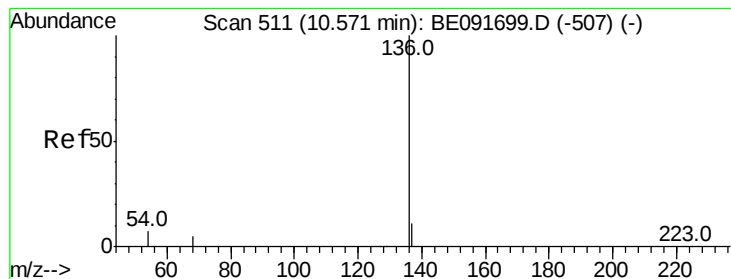


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:136 Resp: 164168

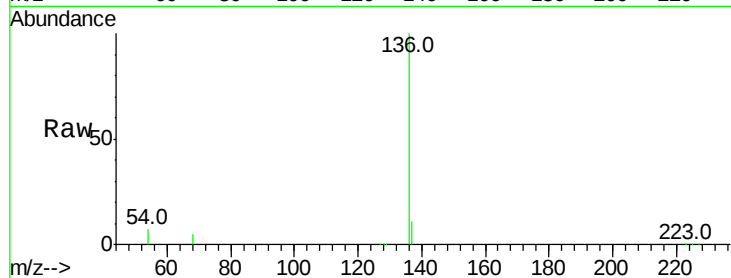
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.3 8.2 12.4#

68 5.4 6.2 9.4#

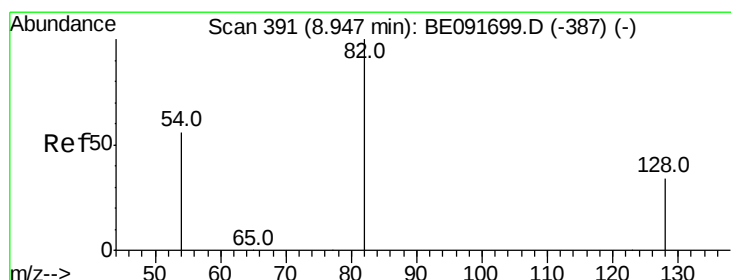
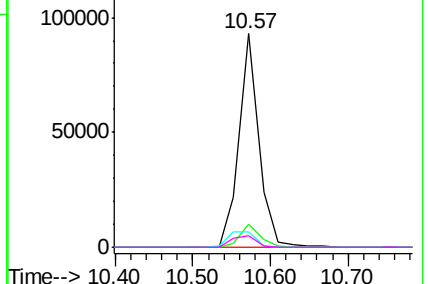
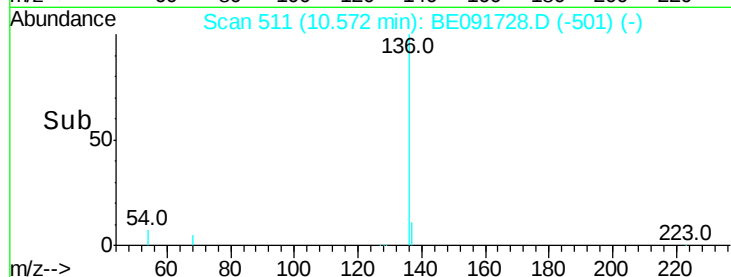


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.04 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

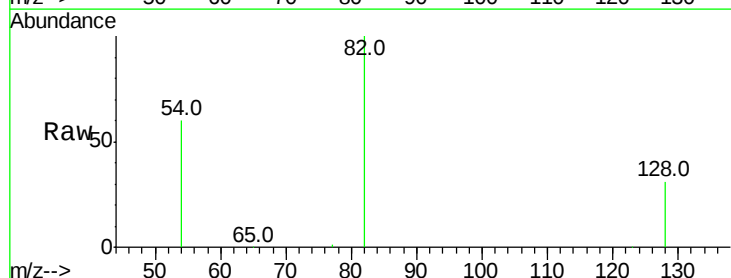
Tgt Ion: 82 Resp: 42830

Ion Ratio Lower Upper

82 100

128 31.2 25.4 38.0

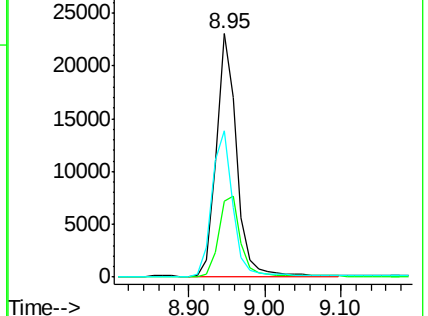
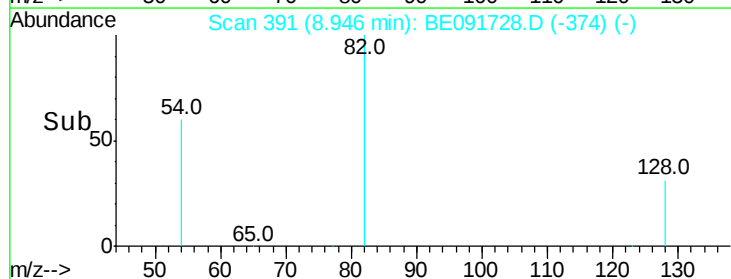
54 59.9 48.4 72.6

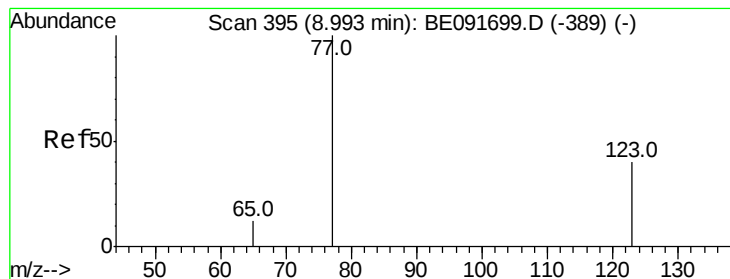


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.20 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

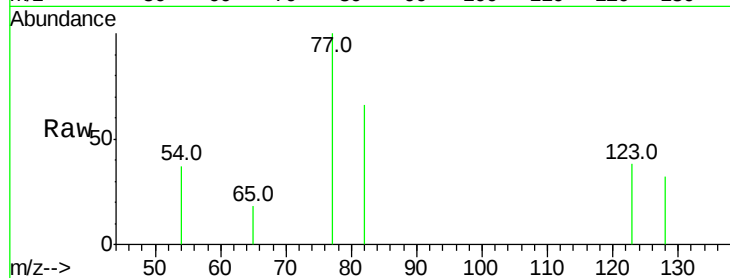
Tot Ion: 77 Resp: 2224

Ion Ratio Lower Upper

77 100

123 33.0 26.9 40.3

65 16.0 9.4 14.2#

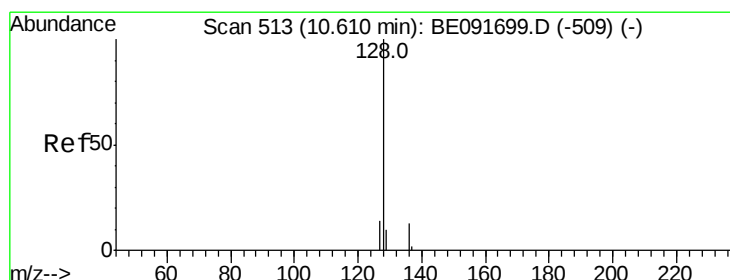
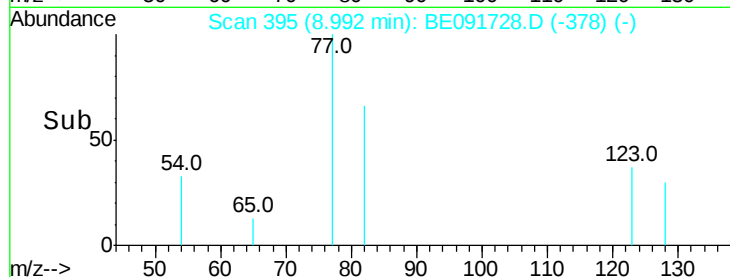


Abundance Ion 77.00 (76.70 to 77.70): BE091728.D (-378) (-)

Ion 123.00 (122.70 to 123.70): BE091728.D (-378) (-)

Ion 65.00 (64.70 to 65.70): BE091728.D (-378) (-)

Time-->



#10

Naphthalene

Concen: 0.19 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

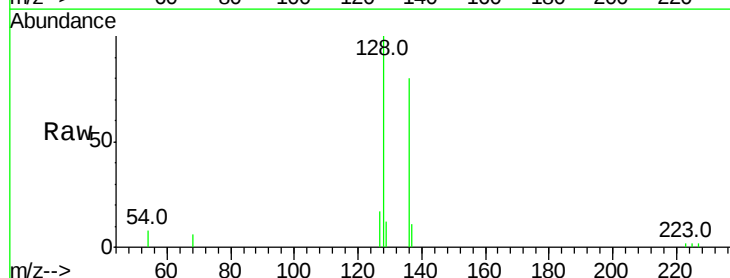
Tgt Ion: 128 Resp: 6181

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

127 16.9 10.7 16.1#

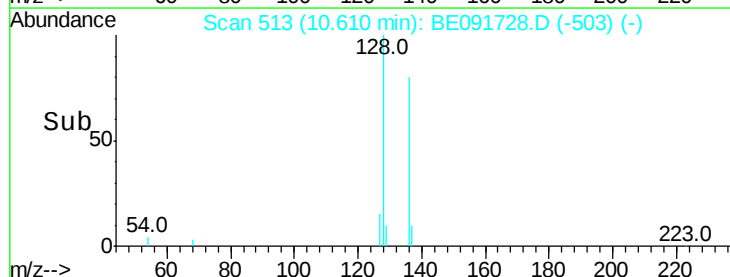


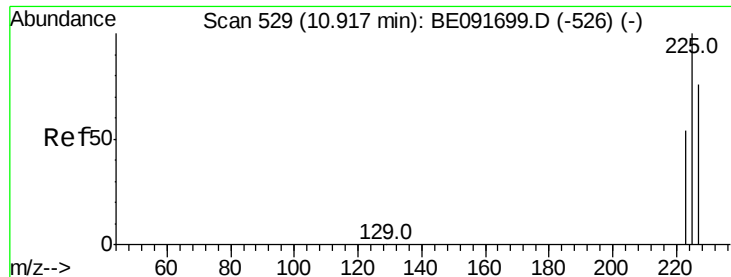
Abundance Ion 128.00 (127.70 to 128.70): BE091728.D (-503) (-)

Ion 129.00 (128.70 to 129.70): BE091728.D (-503) (-)

Ion 127.00 (126.70 to 127.70): BE091728.D (-503) (-)

Time-->

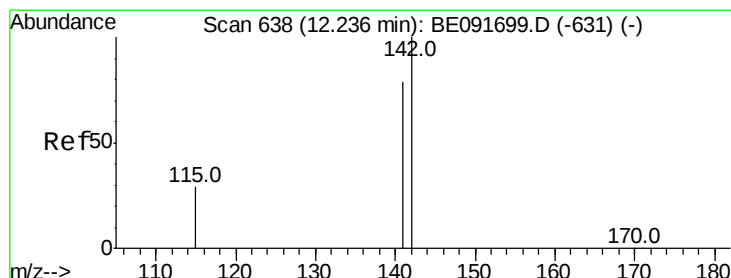
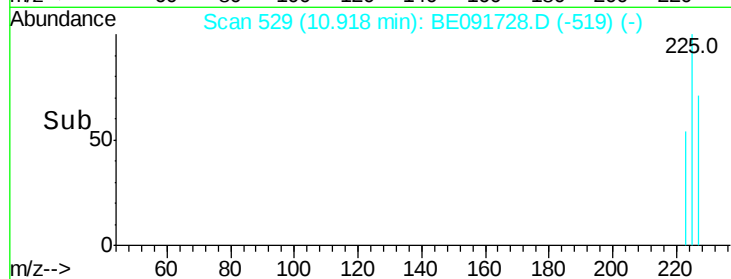
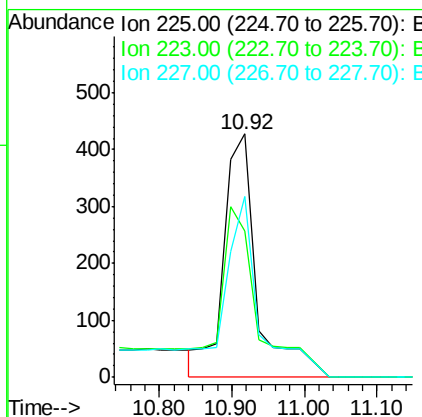
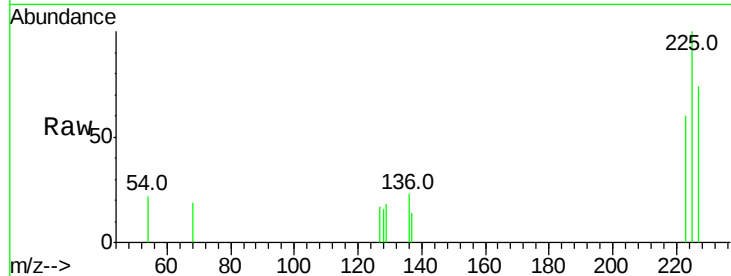




#11
Hexachlorobutadiene
Concen: 0.29 ng
RT: 10.92 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

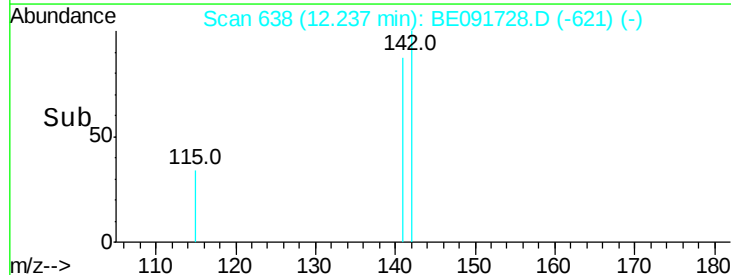
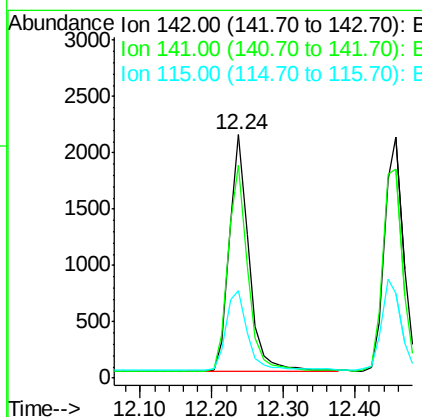
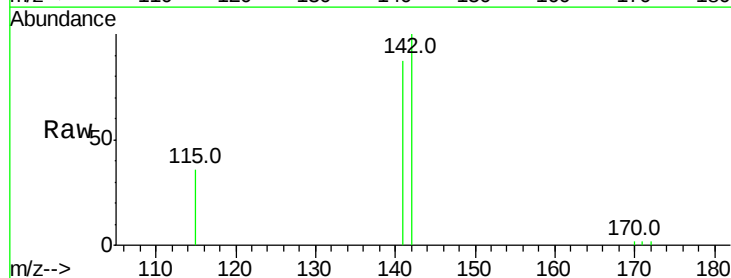
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

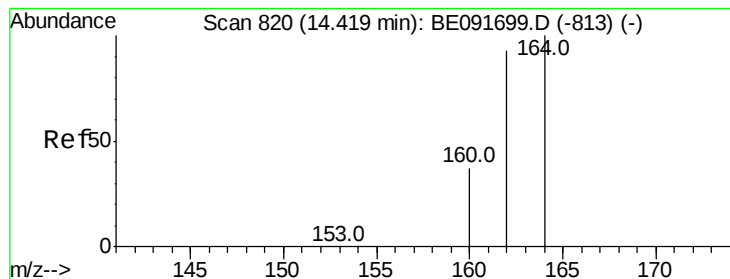
Tot Ion:225 Resp: 1422
Ion Ratio Lower Upper
225 100
223 77.4 49.0 73.6#
227 71.2 50.3 75.5



#12
2-Methylnaphthalene
Concen: 0.19 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

Tgt Ion:142 Resp: 4006
Ion Ratio Lower Upper
142 100
141 87.4 71.4 107.0
115 36.2 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: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

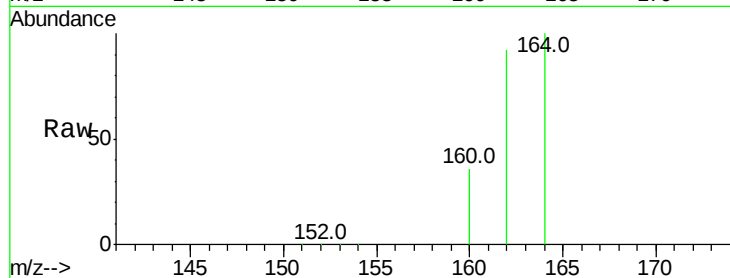
Tot Ion:164 Resp: 96189

Ion Ratio Lower Upper

164 100

162 92.4 85.3 127.9

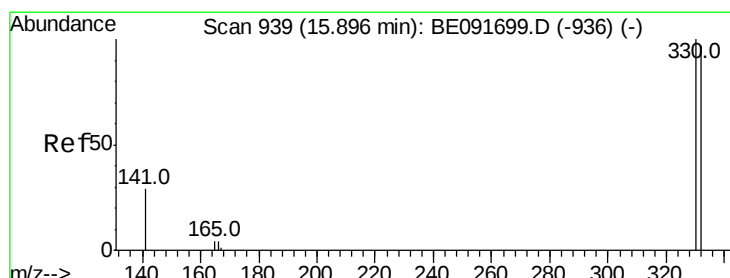
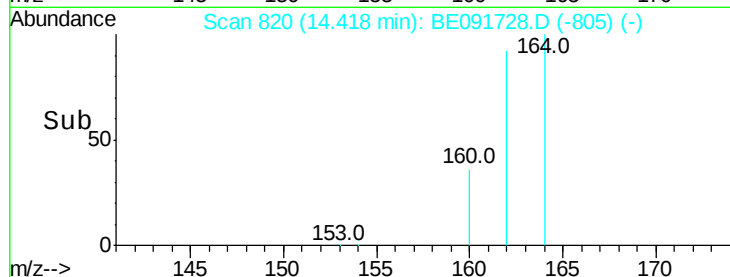
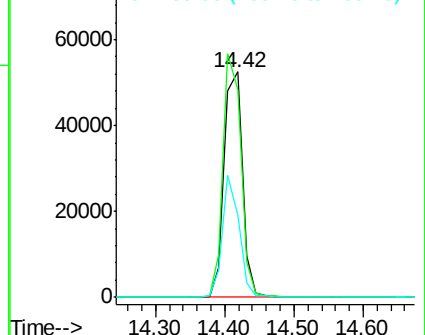
160 36.3 46.2 69.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 8.49 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

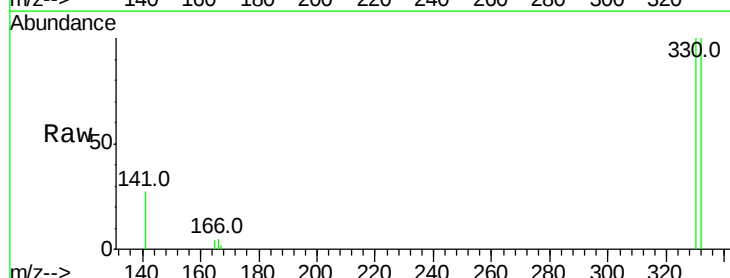
Tgt Ion:330 Resp: 30442

Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

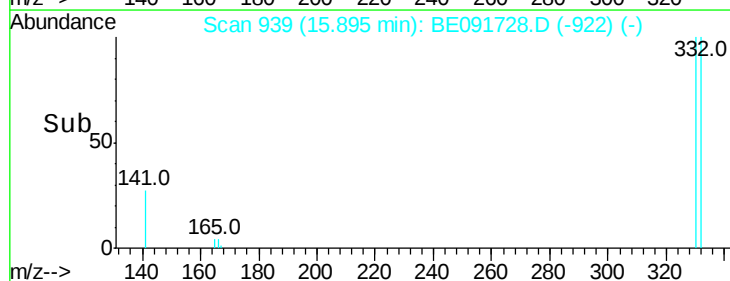
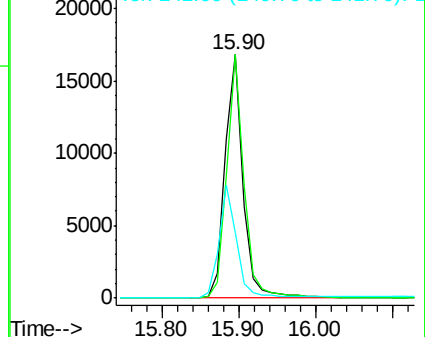
141 44.3 125.4 188.0#

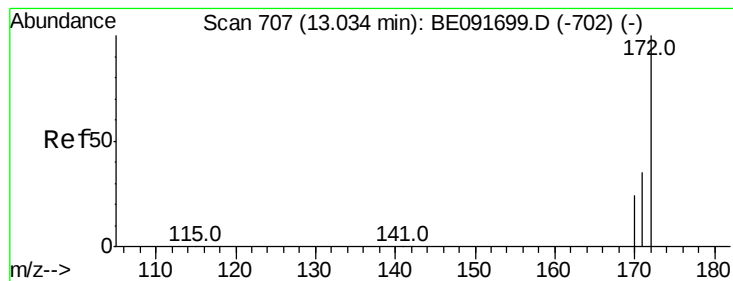


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

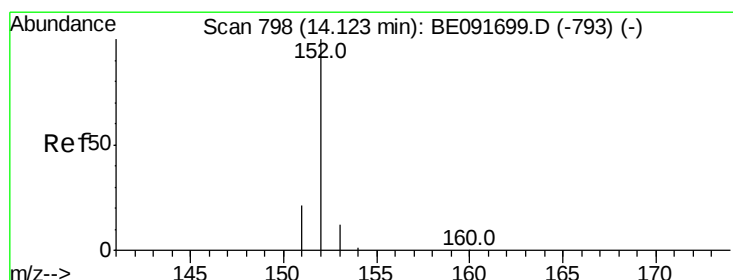
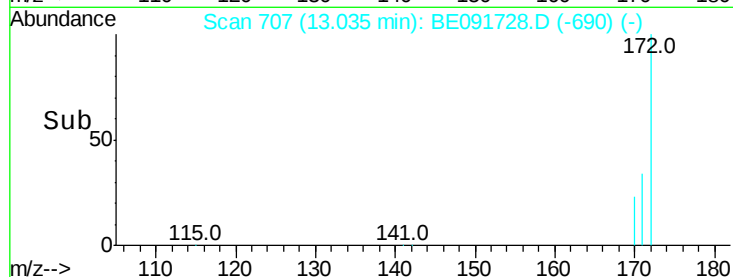
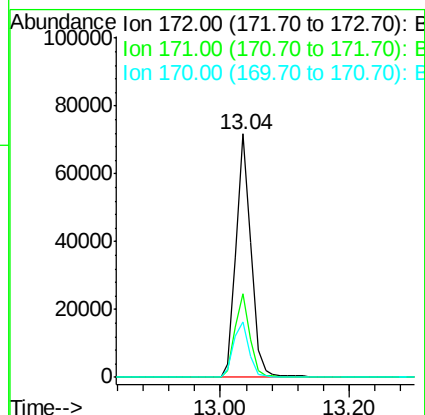
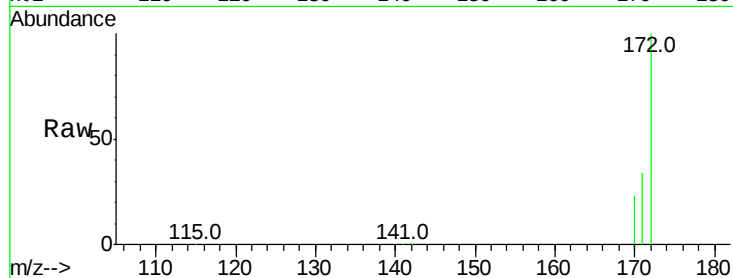




#15
2-Fluorobiphenyl
Concen: 4.19 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

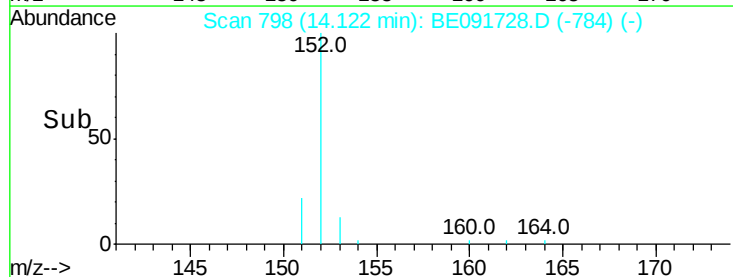
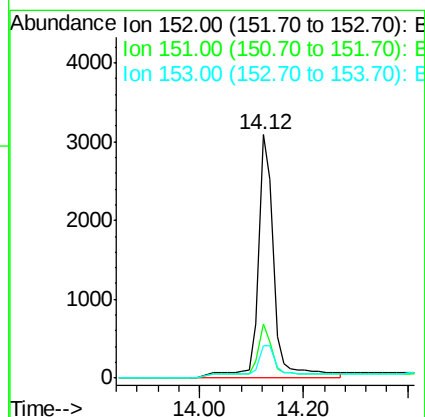
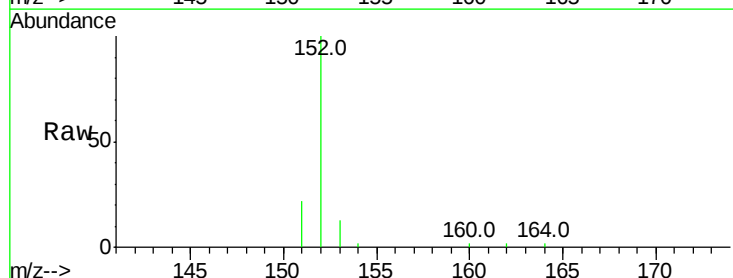
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion:172 Resp: 113888
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 22.6 19.3 28.9



#16
Acenaphthylene
Concen: 0.19 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

Tgt Ion:152 Resp: 7070
Ion Ratio Lower Upper
152 100
151 27.1 3.9 5.9#
153 23.7 10.3 15.5#





#17

Acenaphthene

Concen: 0.18 ng

RT: 14.47 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

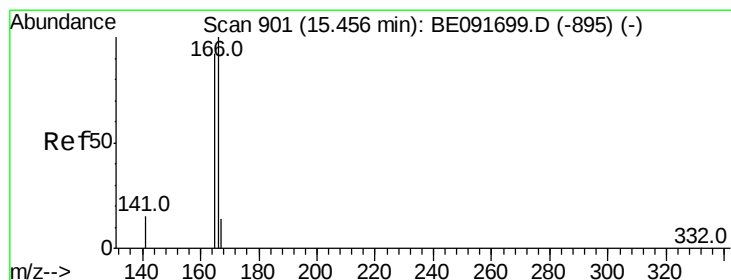
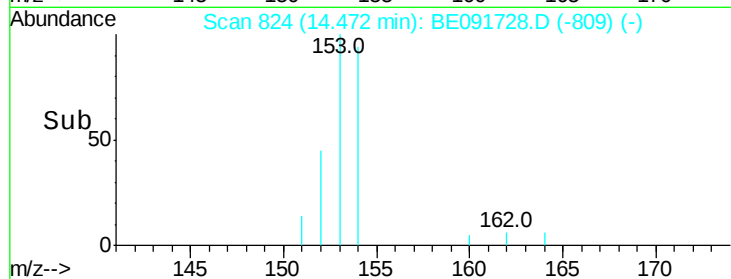
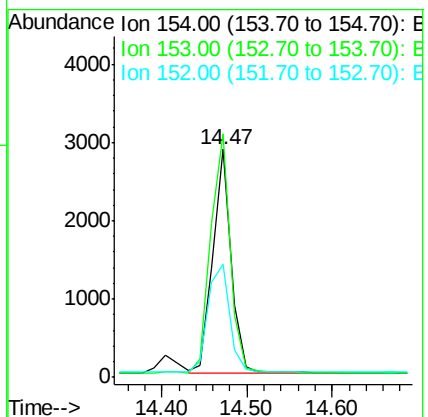
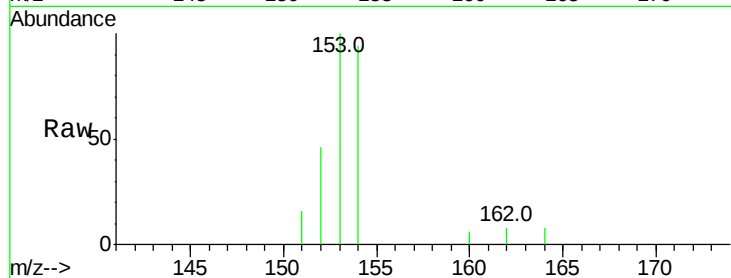
Tot Ion:154 Resp: 4276

Ion Ratio Lower Upper

154 100

153 114.9 80.0 120.0

152 57.1 40.0 60.0



#18

Fluorene

Concen: 0.19 ng

RT: 15.46 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

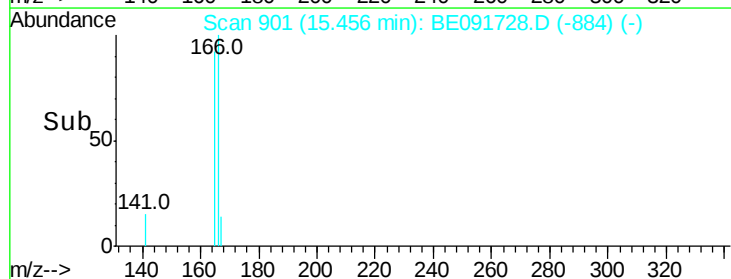
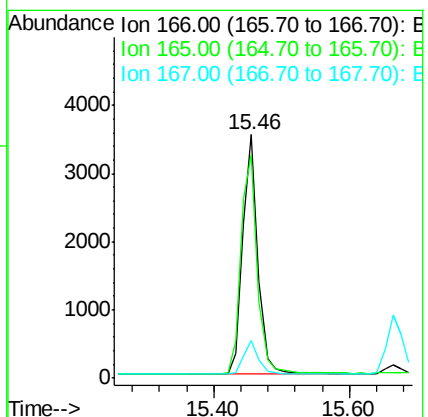
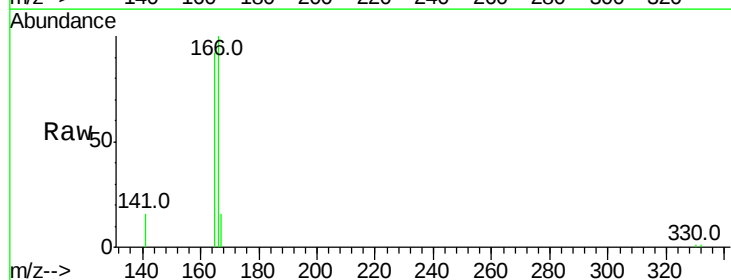
Tgt Ion:166 Resp: 5520

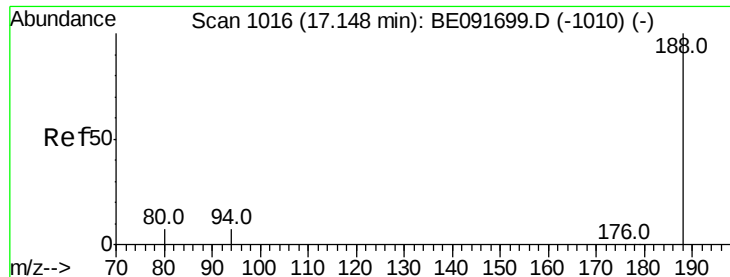
Ion Ratio Lower Upper

166 100

165 98.1 80.8 121.2

167 13.9 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

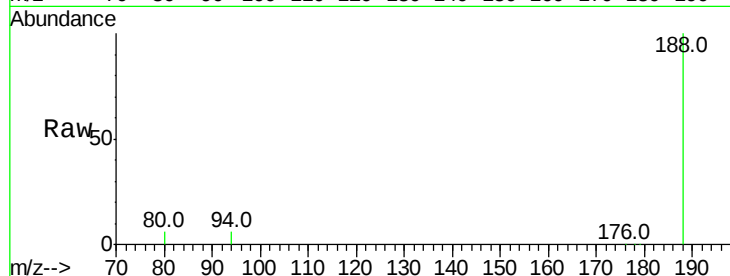
Tot Ion:188 Resp: 246996

Ion Ratio Lower Upper

188 100

94 6.1 8.7 13.1#

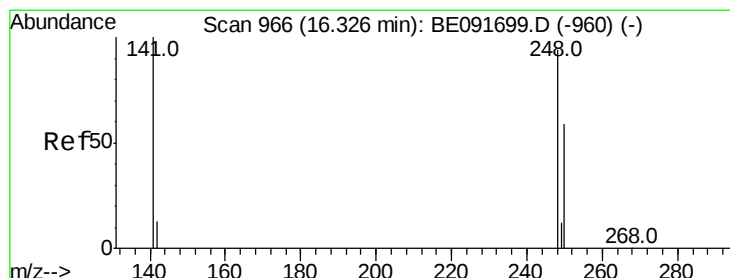
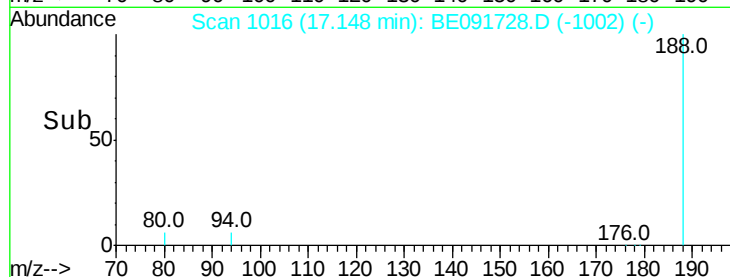
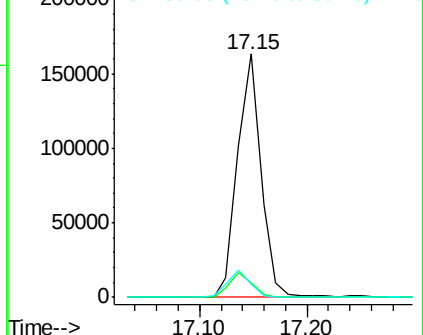
80 5.5 9.4 14.0#



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: 0.18 ng

RT: 16.33 min Scan# 966

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

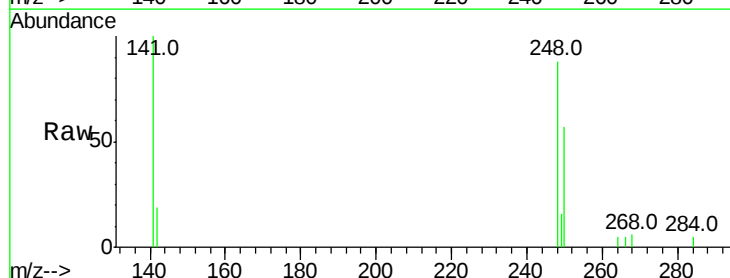
Tgt Ion:248 Resp: 1616

Ion Ratio Lower Upper

248 100

250 97.4 80.5 120.7

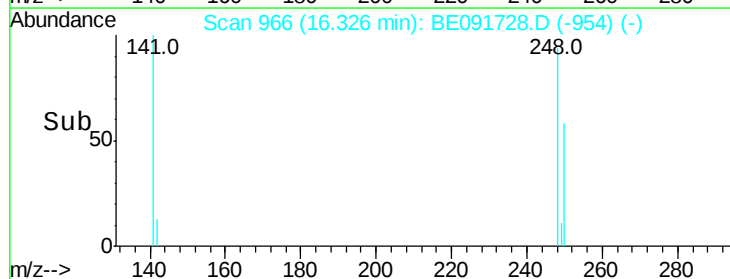
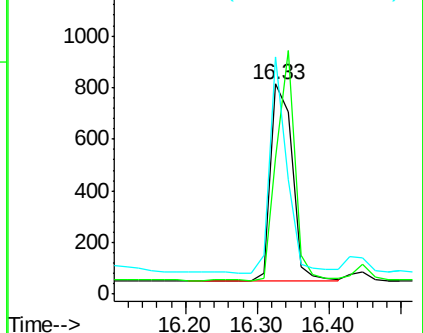
141 86.7 72.0 108.0

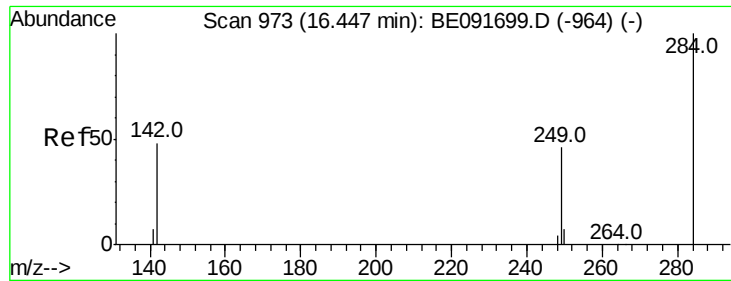


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

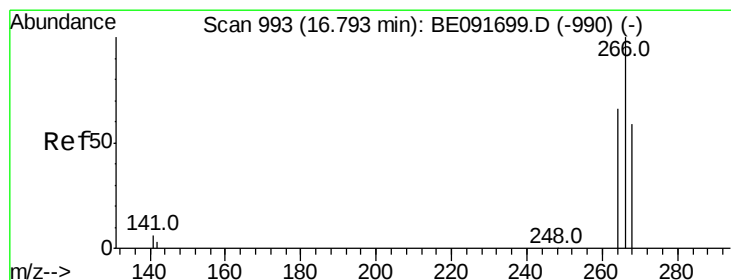
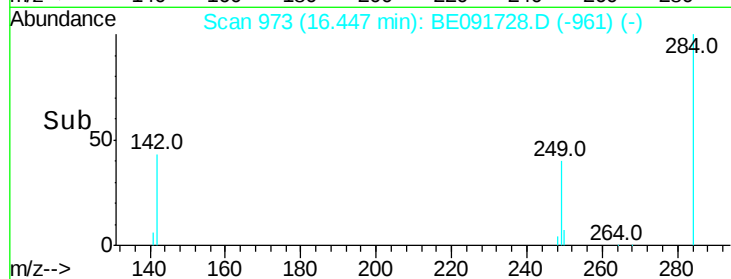
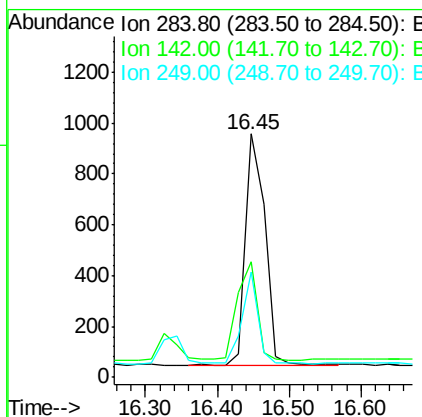
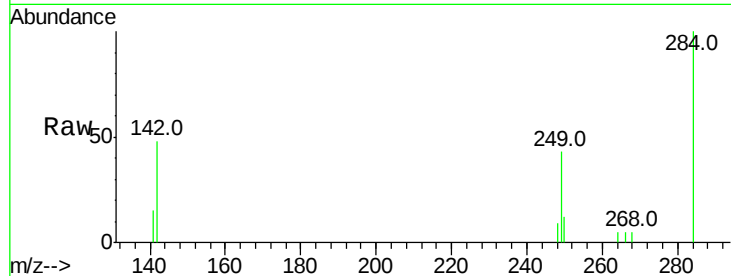




#21
Hexachlorobenzene
Concen: 0.19 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

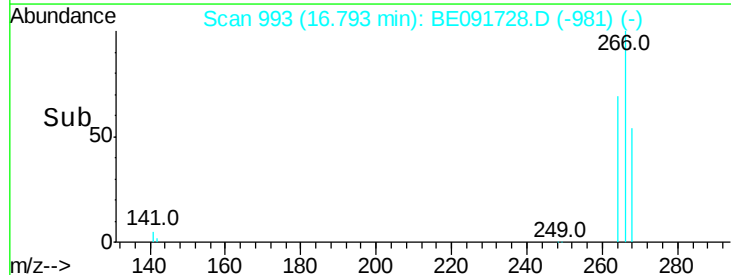
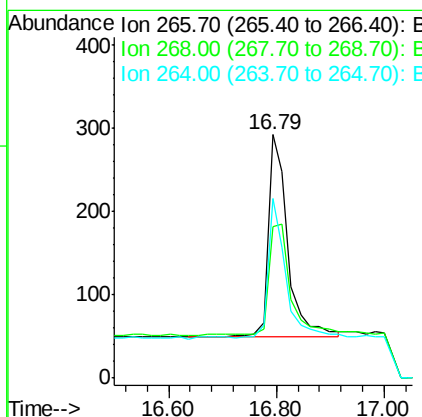
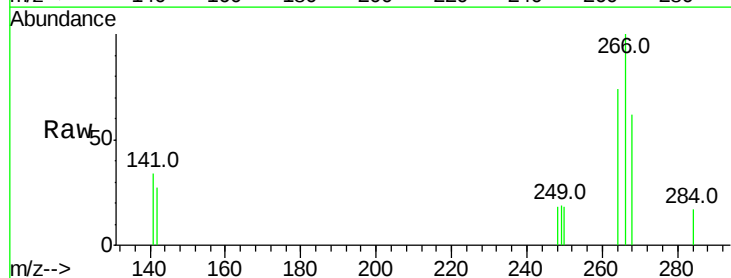
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

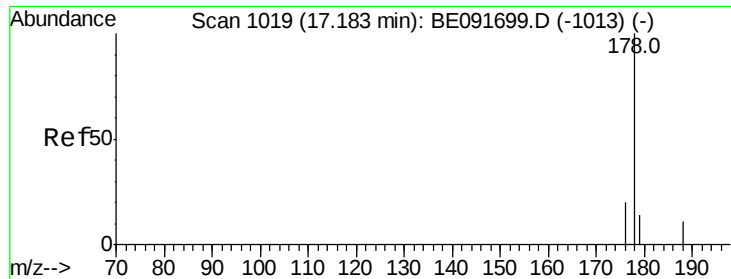
Tot Ion:284 Resp: 1702
Ion Ratio Lower Upper
284 100
142 43.2 32.2 48.2
249 32.2 25.4 38.2



#22
Pentachlorophenol
Concen: 0.22 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

Tgt Ion:266 Resp: 620
Ion Ratio Lower Upper
266 100
268 62.3 58.2 87.2
264 73.6 56.2 84.4





#23

Phenanthrene

Concen: 0.20 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

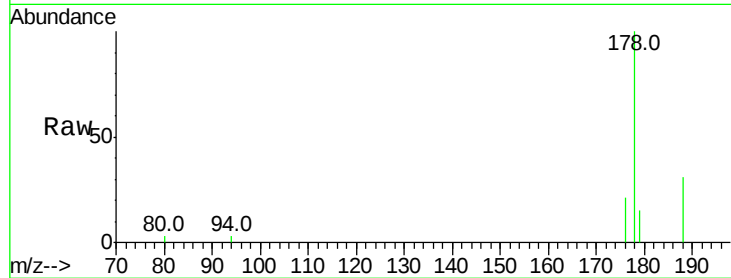
Tot Ion:178 Resp: 11479

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

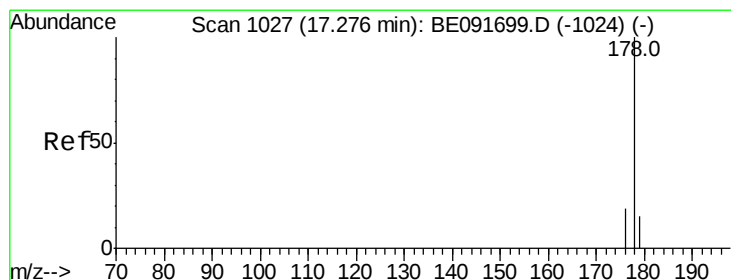
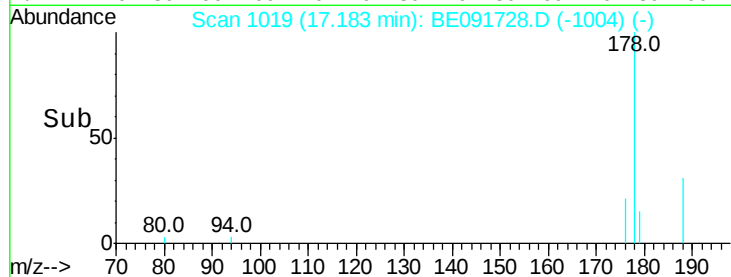
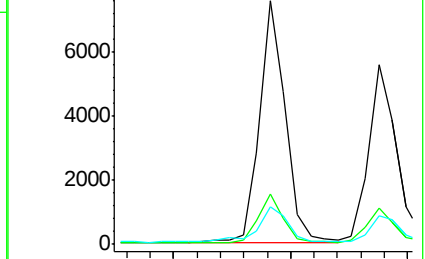
179 16.8 12.6 18.8



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: 0.19 ng

RT: 17.28 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

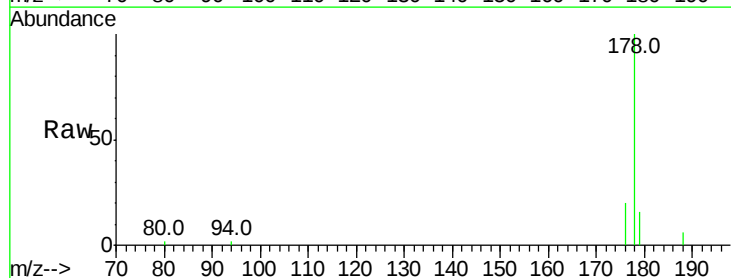
Tgt Ion:178 Resp: 9398

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

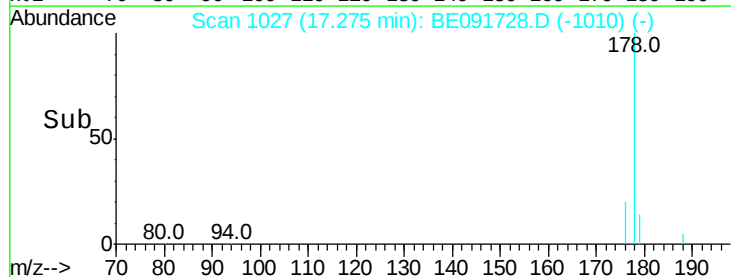
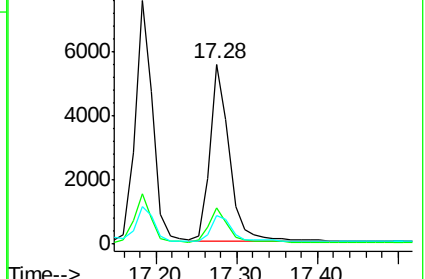
179 15.7 11.8 17.6

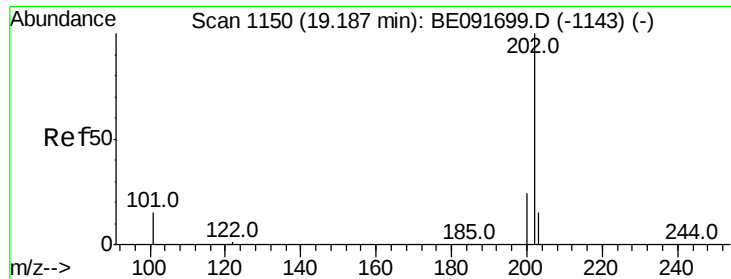


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.20 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

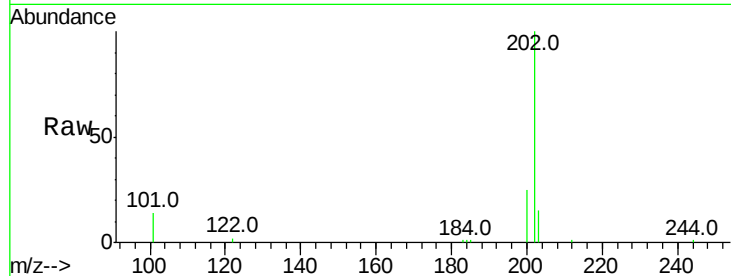
Tot Ion:202 Resp: 11732

Ion Ratio Lower Upper

202 100

101 11.3 11.0 16.6

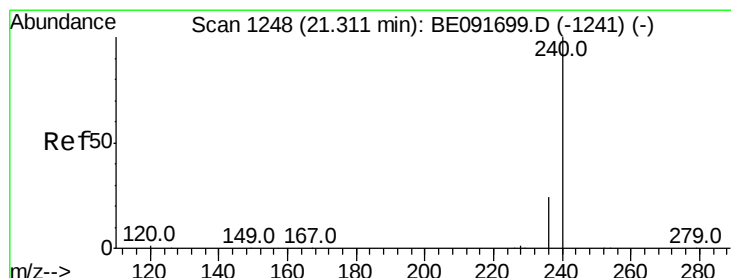
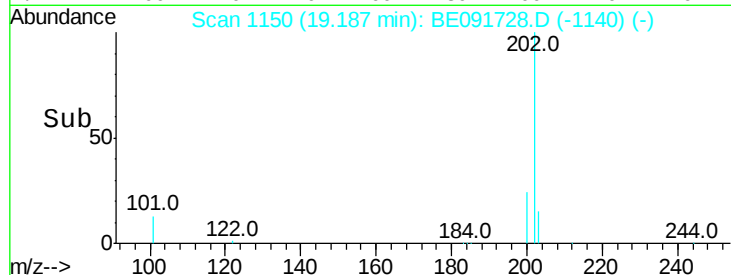
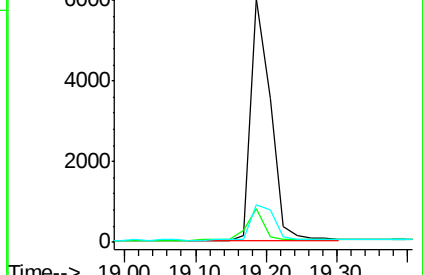
203 17.2 13.9 20.9



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: BE091728.D

Acq: 27 Apr 2016 16:18

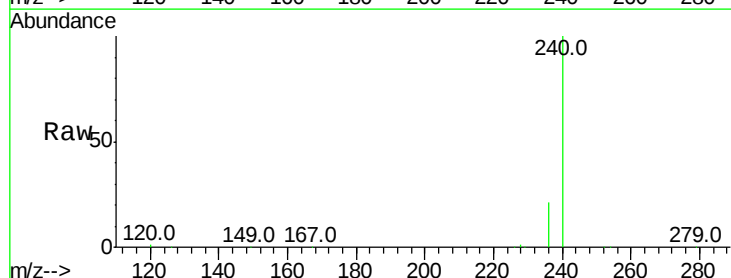
Tgt Ion:240 Resp: 288239

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

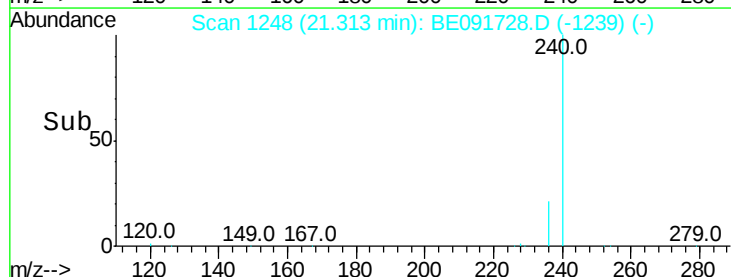
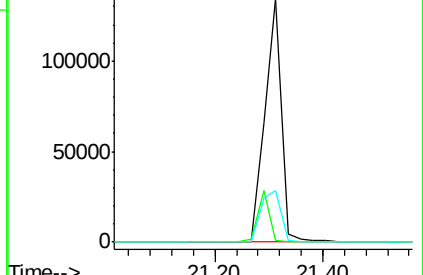
236 21.1 21.7 32.5#

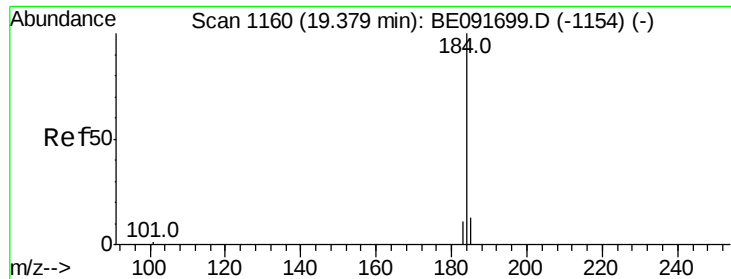


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

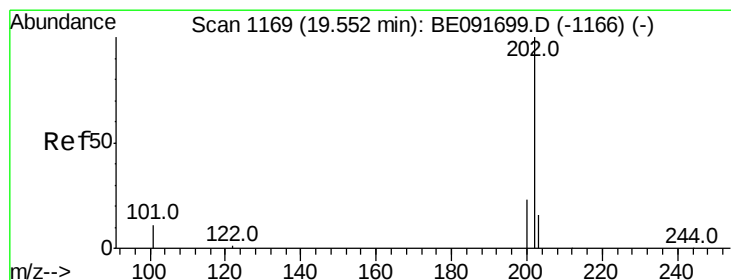
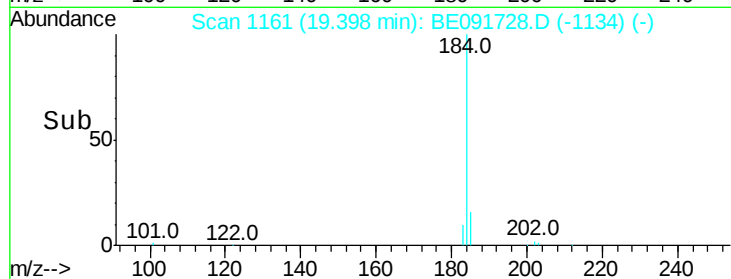
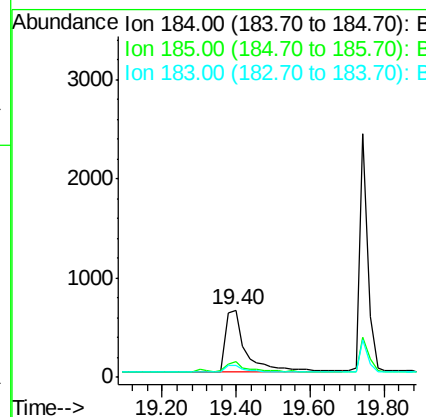
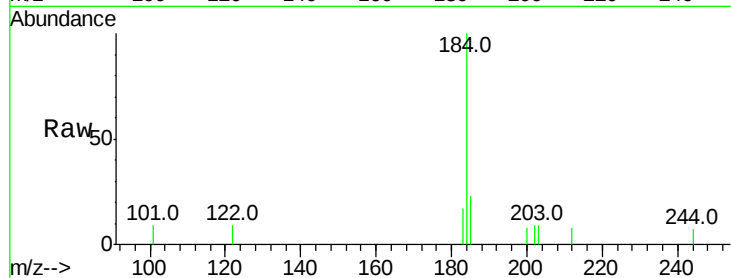




#27
Benzidine
Concen: 0.27 ng
RT: 19.40 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

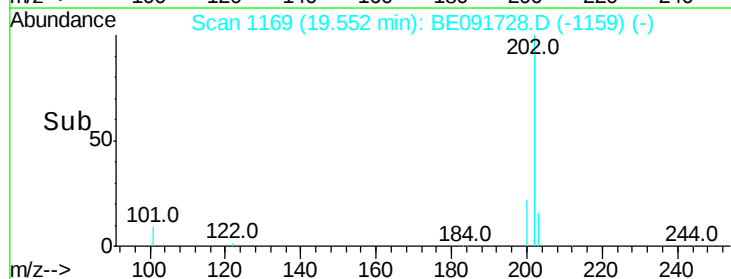
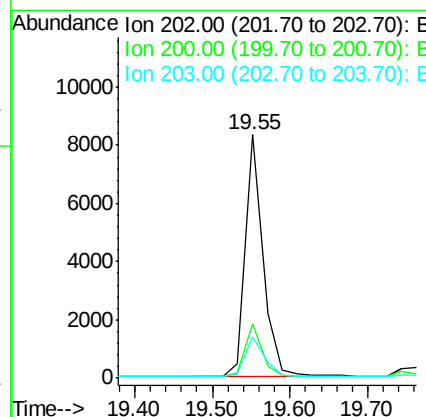
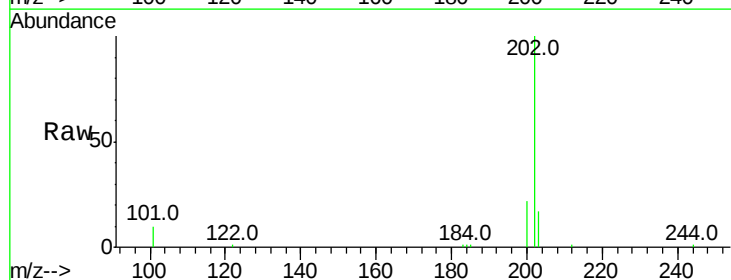
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

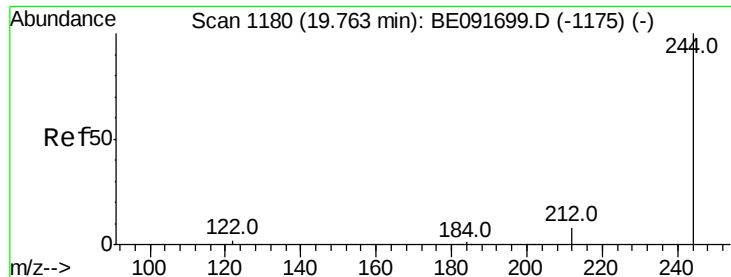
Tot Ion:184 Resp: 2429
Ion Ratio Lower Upper
184 100
185 22.7 22.3 33.5
183 17.2 16.4 24.6



#28
Pyrene
Concen: 0.20 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

Tgt Ion:202 Resp: 13028
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.2 14.0 21.0





#29

Terphenyl-d14

Concen: 4.32 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

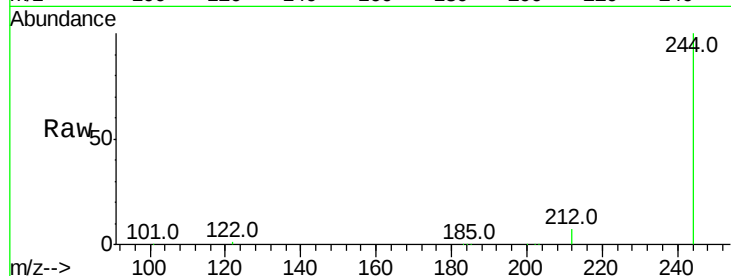
Tot Ion:244 Resp: 194008

Ion Ratio Lower Upper

244 100

212 7.4 6.9 10.3

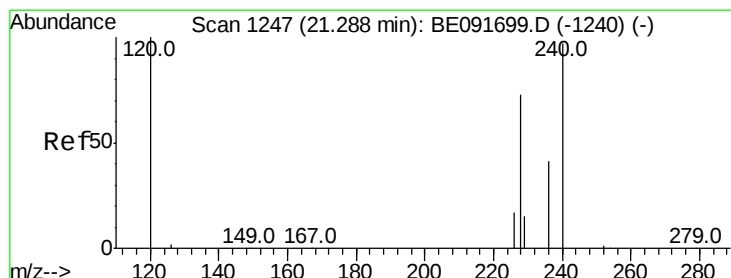
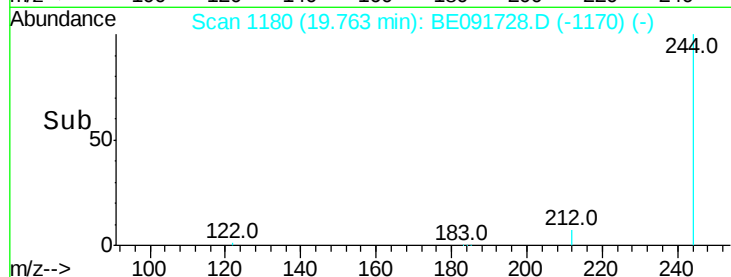
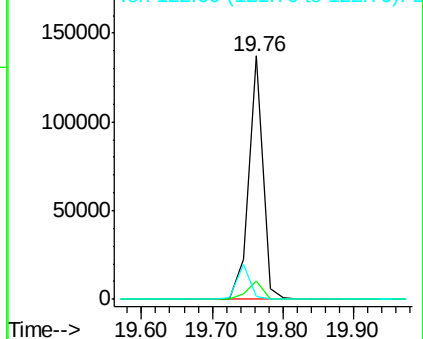
122 1.4 11.0 16.4#



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: 0.20 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

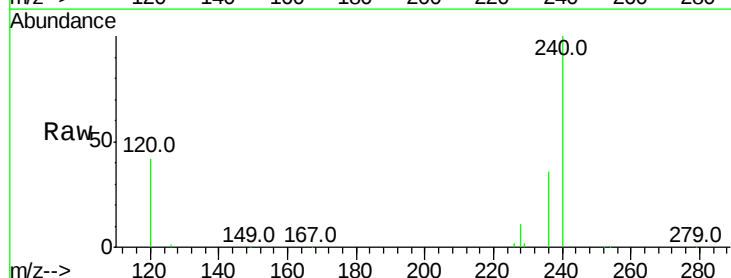
Tgt Ion:228 Resp: 14080

Ion Ratio Lower Upper

228 100

226 22.4 21.0 31.4

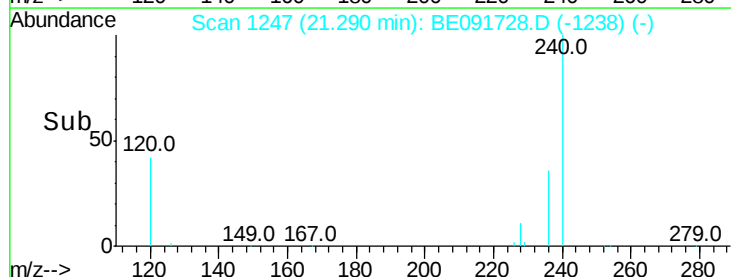
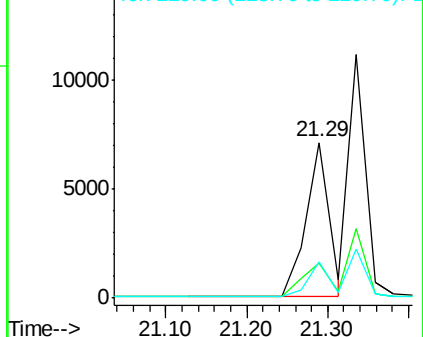
229 23.1 15.7 23.5

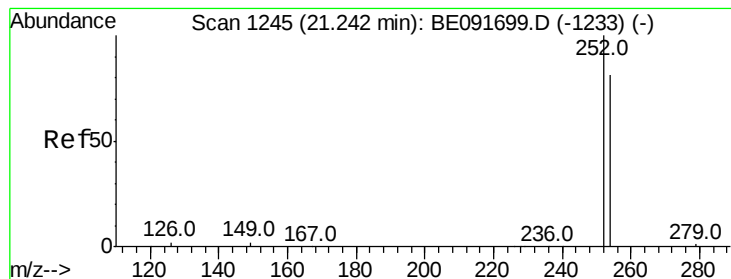


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.07 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

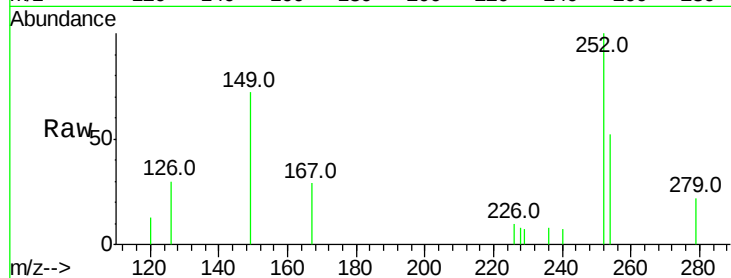
Tot Ion:252 Resp: 2336

Ion Ratio Lower Upper

252 100

254 51.6 51.1 76.7

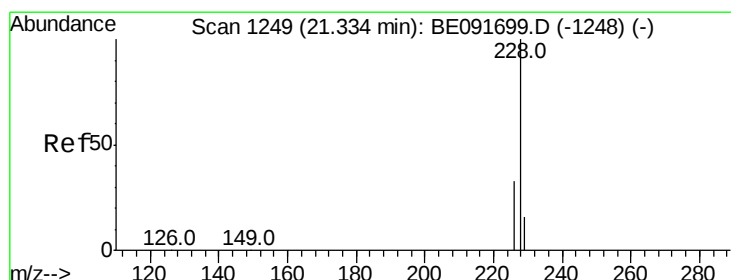
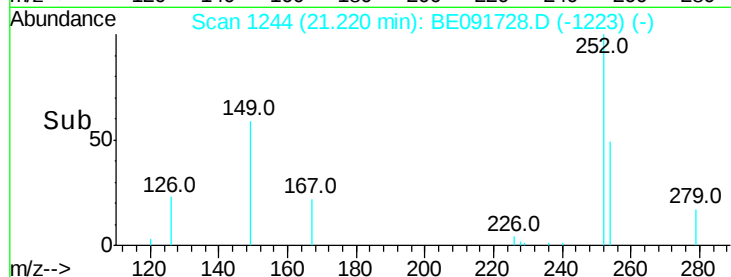
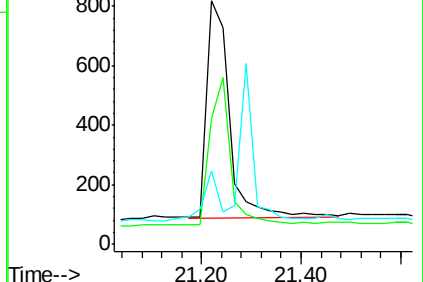
126 30.0 12.6 18.8#



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: 0.19 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

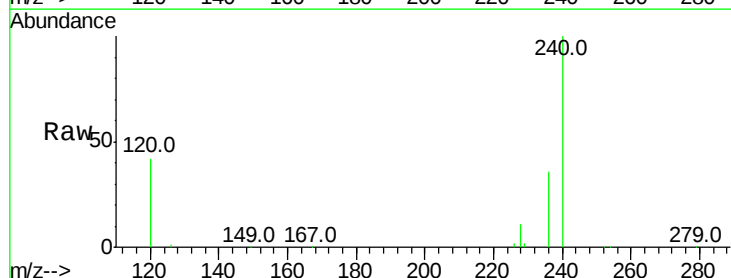
Tgt Ion:228 Resp: 14047

Ion Ratio Lower Upper

228 100

226 22.4 24.0 36.0#

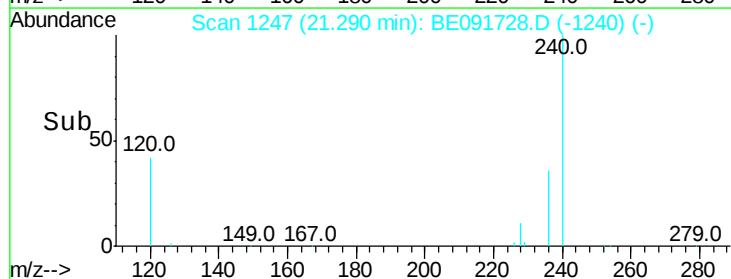
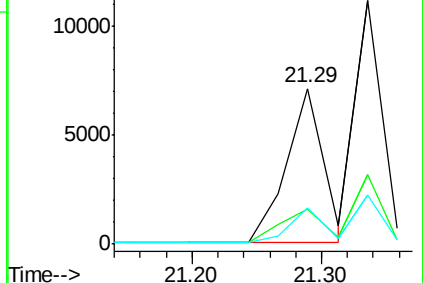
229 23.1 15.9 23.9



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

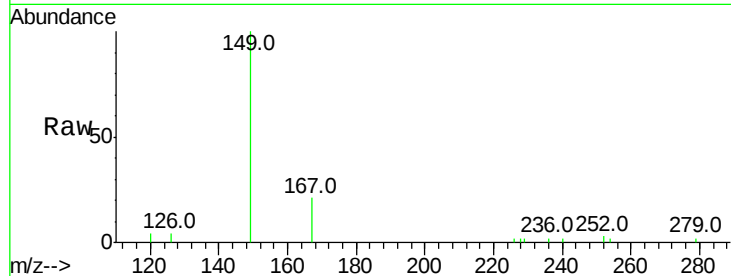




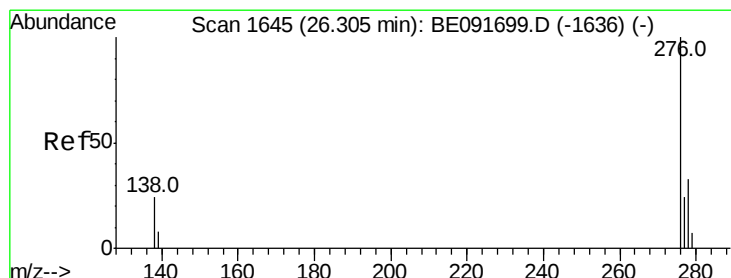
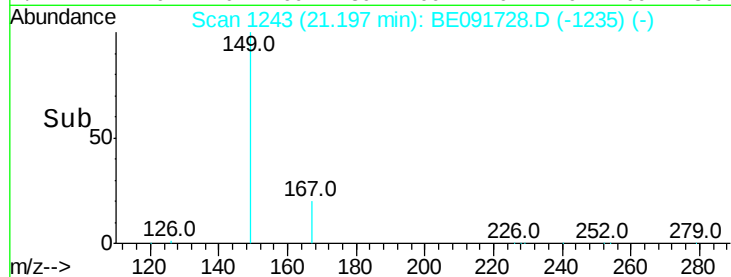
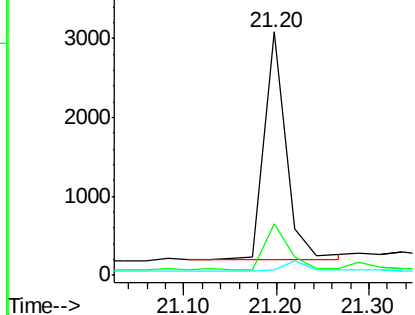
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.22 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091728.D
 Acq: 27 Apr 2016 16:18

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:149 Resp: 4758
 Ion Ratio Lower Upper
 149 100
 167 21.9 19.5 29.3
 279 0.0 10.0 15.0#

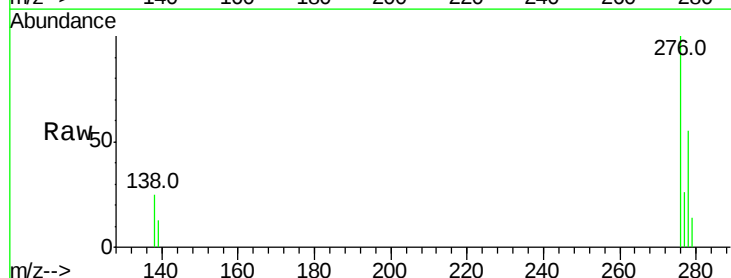


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

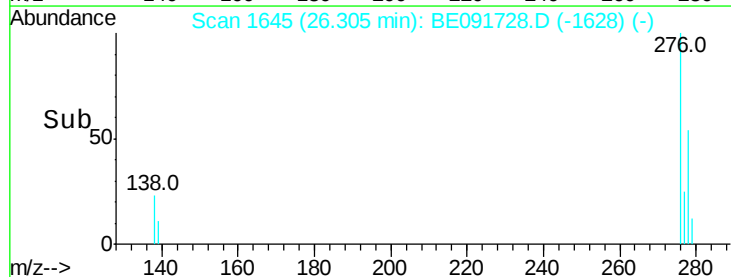
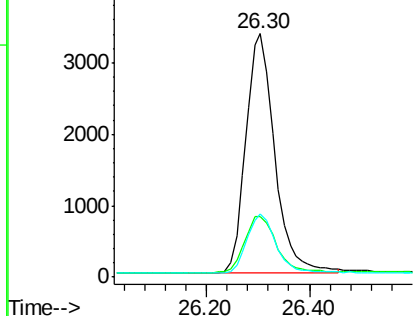


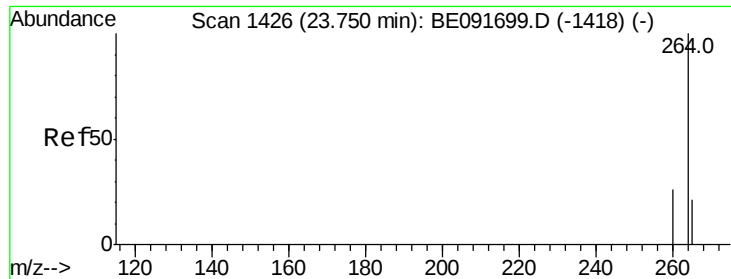
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.20 ng
 RT: 26.30 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE091728.D
 Acq: 27 Apr 2016 16:18

Tgt Ion:276 Resp: 13141
 Ion Ratio Lower Upper
 276 100
 138 25.5 23.4 35.2
 277 24.8 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

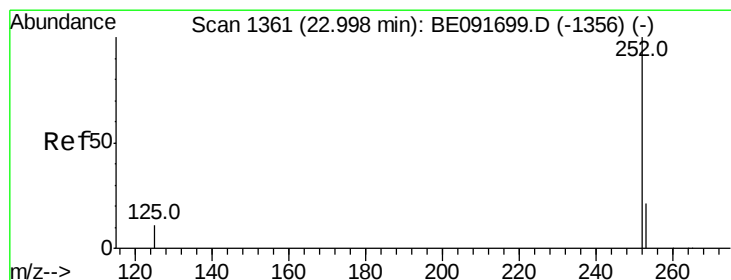
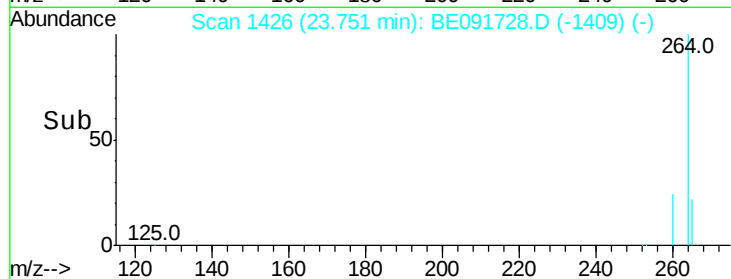
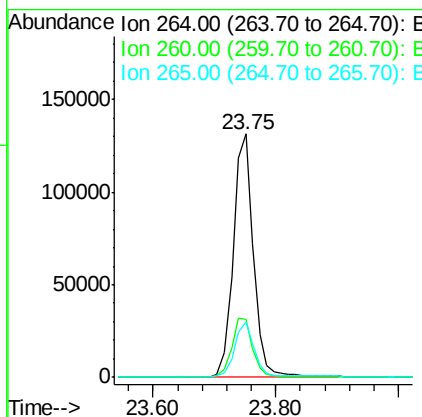
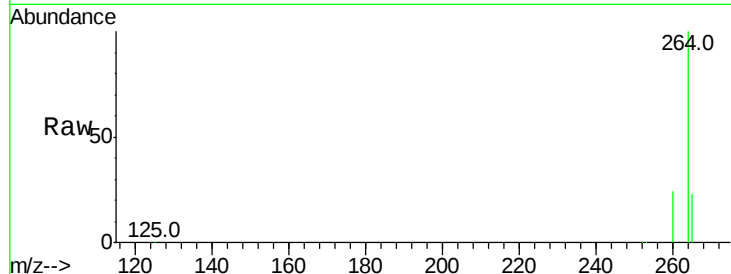




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

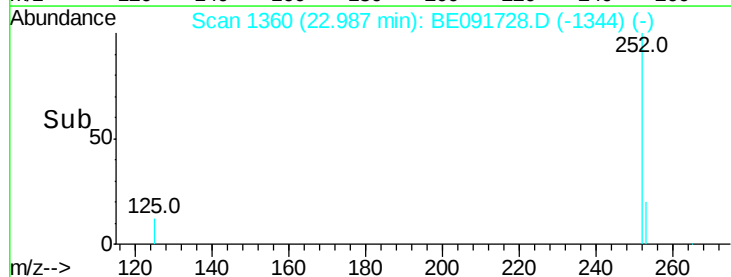
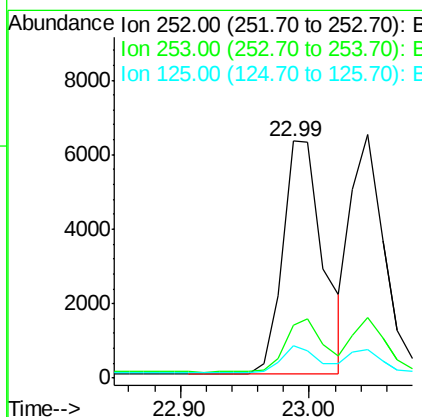
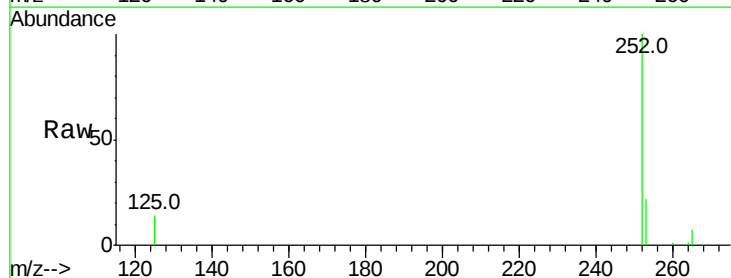
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

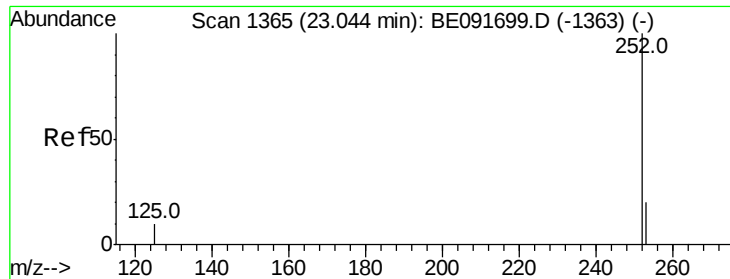
Tot Ion:264 Resp: 299875
Ion Ratio Lower Upper
264 100
260 23.9 20.0 30.0
265 22.6 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091728.D
Acq: 27 Apr 2016 16:18

Tgt Ion:252 Resp: 13813
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 13.7 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 0.17 ng

RT: 23.05 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

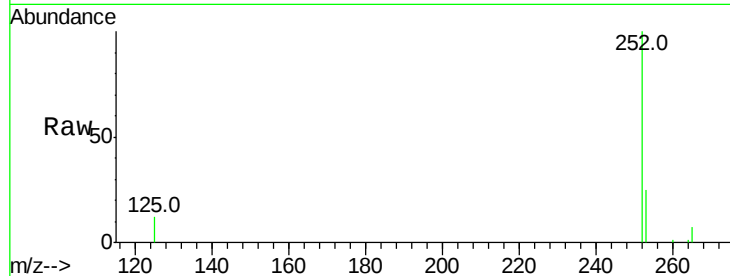
Tot Ion:252 Resp: 11876

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

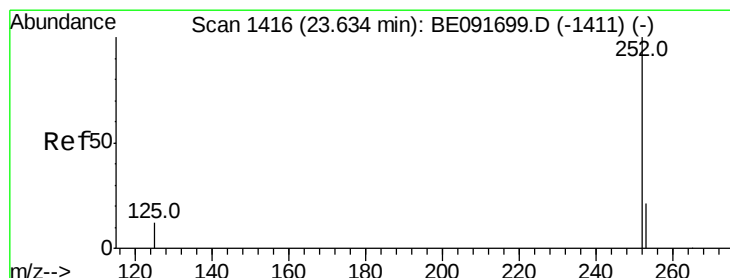
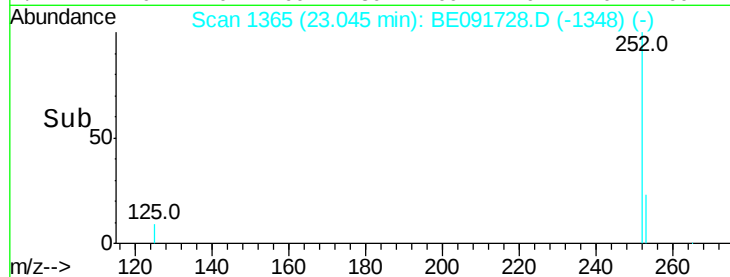
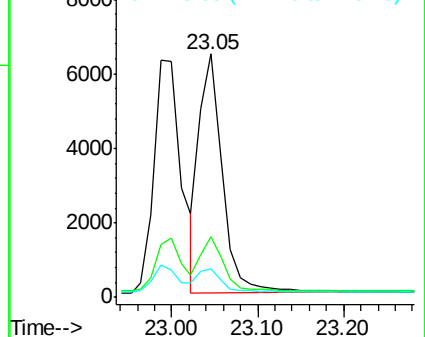
125 11.5 9.9 14.9



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: 0.18 ng

RT: 23.64 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

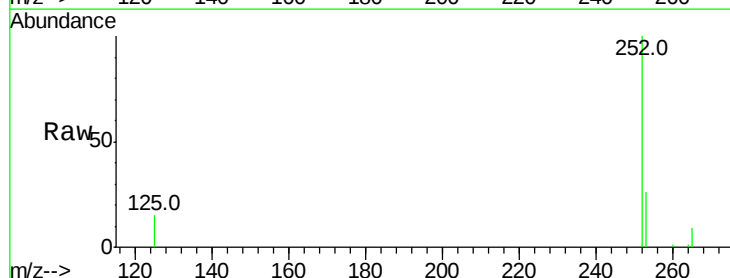
Tgt Ion:252 Resp: 11833

Ion Ratio Lower Upper

252 100

253 25.6 18.1 27.1

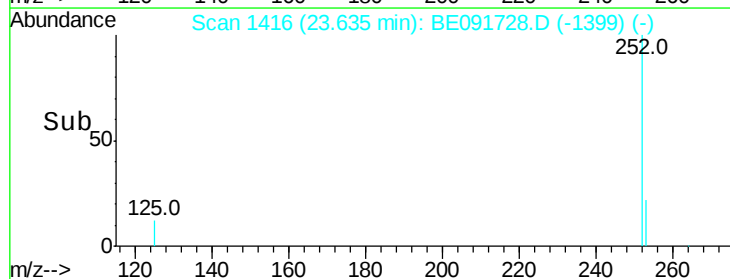
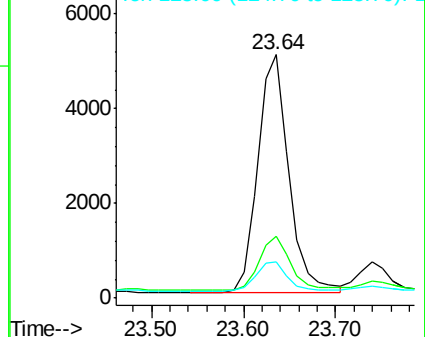
125 15.0 11.0 16.4



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: 0.17 ng

RT: 26.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

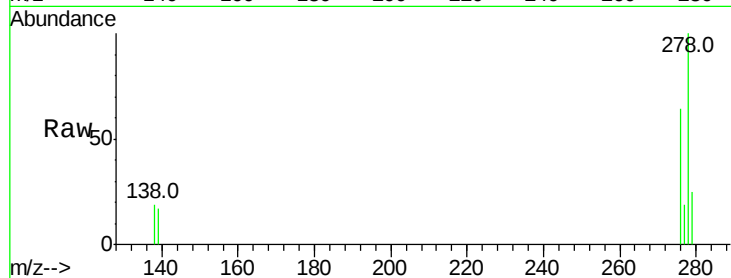
Tot Ion:278 Resp: 10891

Ion Ratio Lower Upper

278 100

139 17.2 16.0 24.0

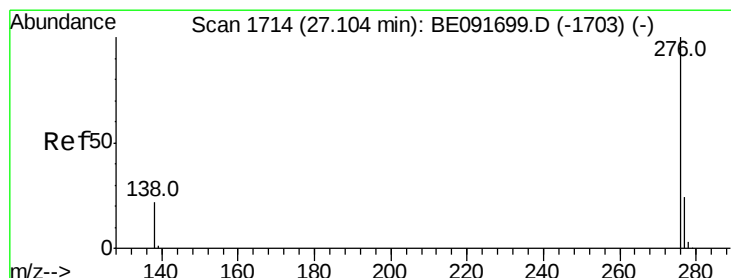
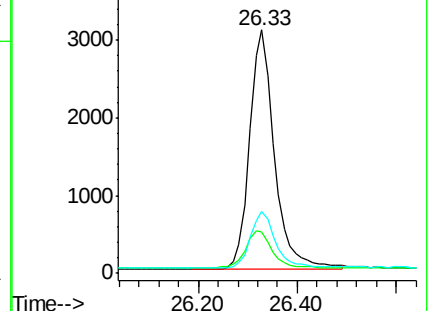
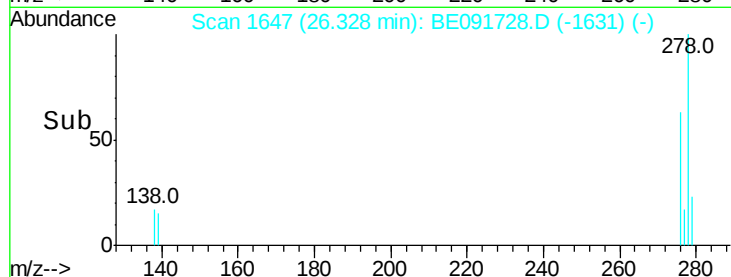
279 25.2 19.4 29.2



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: 0.18 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091728.D

Acq: 27 Apr 2016 16:18

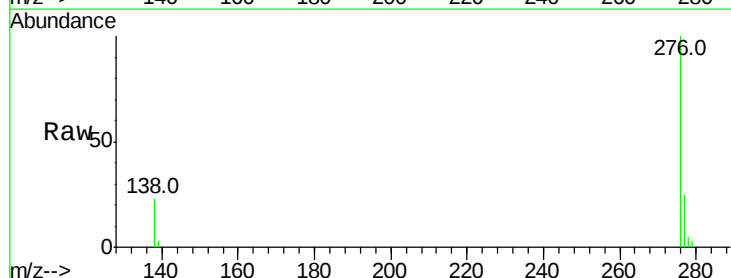
Tgt Ion:276 Resp: 11223

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 22.9 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

