

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091976.D
 Acq On : 6 Jul 2016 00:16
 Operator : UM/SJ
 Sample : H3606-04
 Misc : LOQ1.0
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Jul 06 05:54:33 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	22713	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	102454	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	73020	5.00	ng	0.00
24) Phenanthrene-d10	17.60	188	164810	5.00	ng	0.00
31) Chrysene-d12	21.76	240	316489	5.00	ng	0.00
40) Perylene-d12	24.18	264	231430	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	34079	6.27	ng	0.00
5) Phenol-d6	7.35	99	45390	6.01	ng	-0.02
9) Nitrobenzene-d5	9.36	82	25772	3.69	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	13248	5.12	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	66903	3.76	ng	0.00
34) Terphenyl-d14	20.22	244	112801	3.02	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	538	0.17	ng	90
3) n-Nitrosodimethylamine	3.83	42	415	0.14	ng	# 80
6) bis(2-Chloroethyl)ether	7.63	93	808	0.12	ng	94
7) n-Nitroso-di-n-propylamine	9.02	70	778	0.12	ng	# 96
10) Nitrobenzene	9.40	77	1133	0.15	ng	# 92
11) bis(2-Chloroethoxy)methane	10.47	93	1126	0.13	ng	# 19
12) Naphthalene	11.04	128	3418	0.14	ng	# 95
13) Hexachlorobutadiene	11.34	225	519	0.14	ng	99
14) 2-Methylnaphthalene	12.69	142	2146	0.14	ng	98
18) Acenaphthylene	14.56	152	11885	0.13	ng	# 61
19) 2,6-Dinitrotoluene	14.47	165	1212	0.19	ng	# 10
20) Acenaphthene	14.92	154	2929	0.15	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	4756	0.42	ng	# 83
22) Fluorene	15.90	166	3020	0.14	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	1528	0.15	ng	98
25) 4-Bromophenyl-phenylether	16.80	248	904	0.13	ng	94
26) Hexachlorobenzene	16.90	284	1008	0.14	ng	99
27) Pentachlorophenol	17.28	266	136	0.17	ng	# 80
28) Phenanthrene	17.64	178	6332	0.15	ng	98
29) Anthracene	17.73	178	5285	0.13	ng	99
30) Fluoranthene	19.65	202	27037	0.15	ng	# 88
32) Benzidine	19.86	184	1130	0.26	ng	# 74
33) Pyrene	20.02	202	26828	0.12	ng	# 80
35) Benzo(a)anthracene	21.79	228	19009	0.36	ng	# 91
37) Chrysene	21.79	228	19249	0.26	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	5110	0.08	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	34487	0.12	ng	98
41) Benzo(b)fluoranthene	23.43	252	8548	0.13	ng	97
42) Benzo(k)fluoranthene	23.48	252	7963	0.13	ng	98
43) Benzo(a)pyrene	24.06	252	7751	0.13	ng	99
44) Dibenzo(a,h)anthracene	26.72	278	6984	0.12	ng	# 95
45) Benzo(g,h,i)perylene	27.47	276	30436	0.13	ng	96

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QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

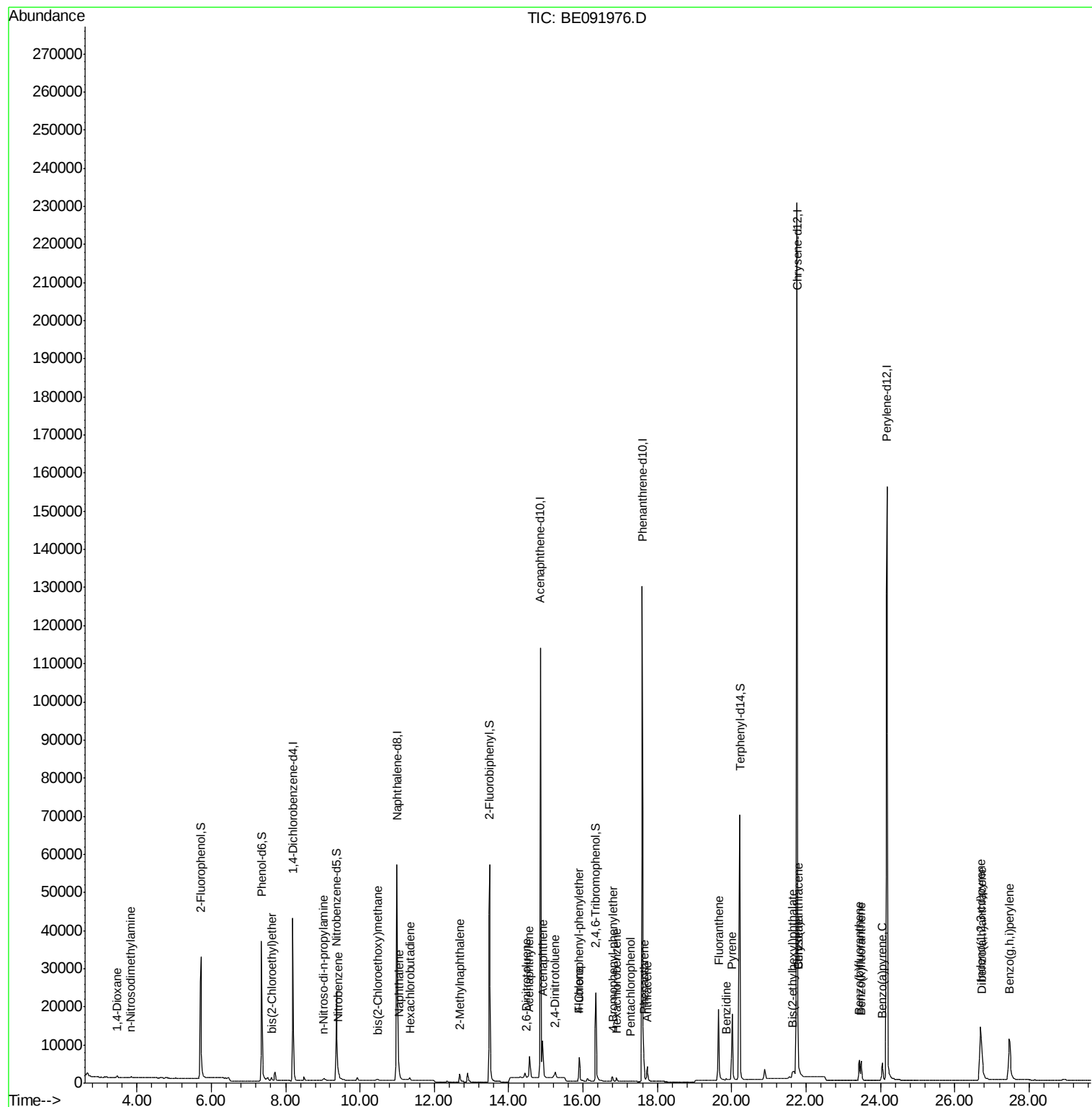
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

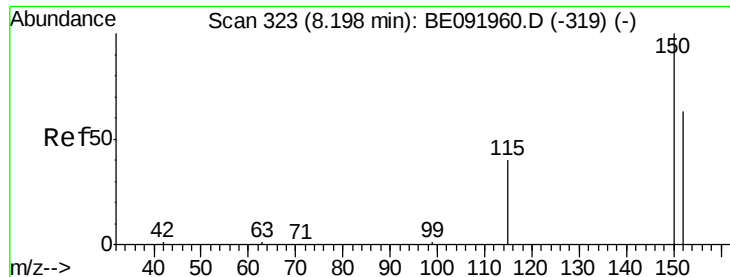
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

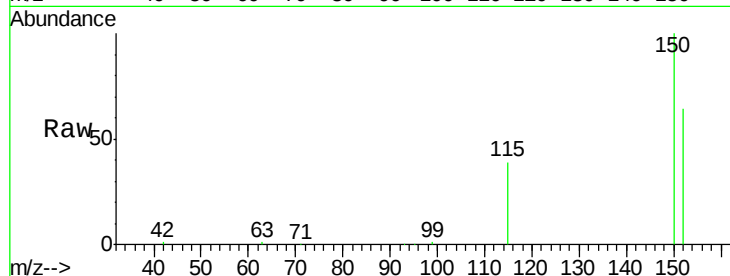
Tgt Ion:152 Resp: 22713

Ion Ratio Lower Upper

152 100

150 156.2 123.9 185.9

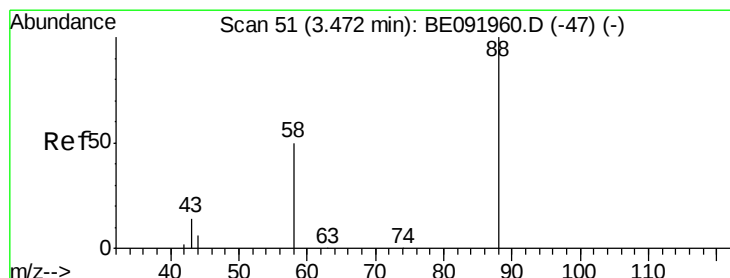
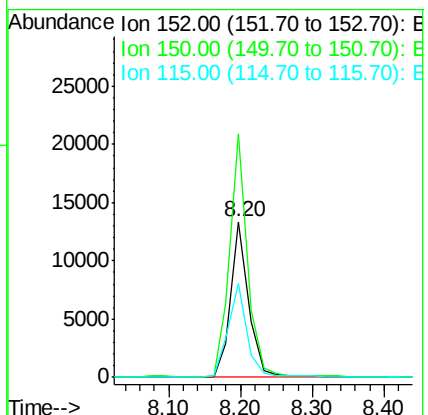
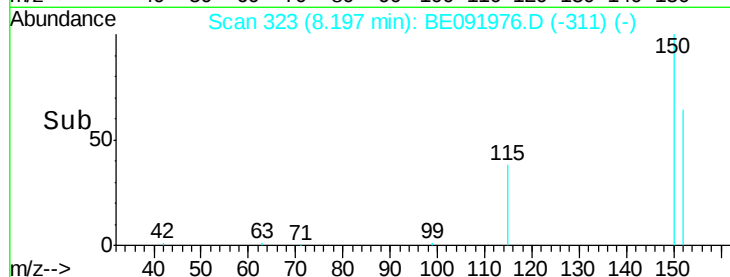
115 60.2 48.3 72.5



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: 0.17 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

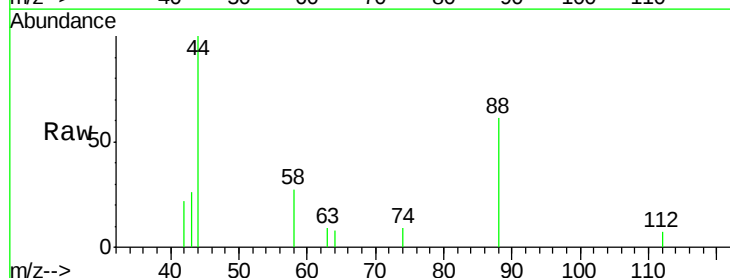
Tgt Ion: 88 Resp: 538

Ion Ratio Lower Upper

88 100

58 69.1 63.0 94.4

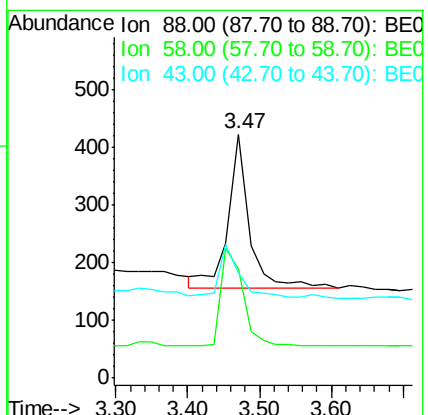
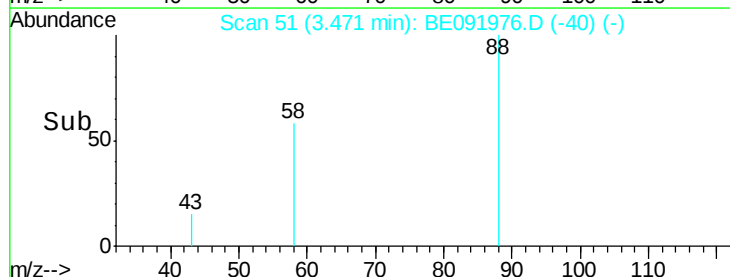
43 30.9 29.1 43.7

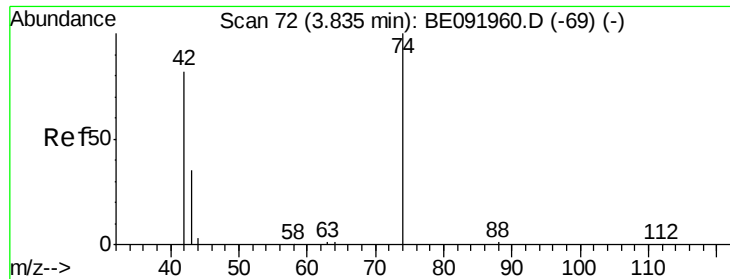


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.83 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

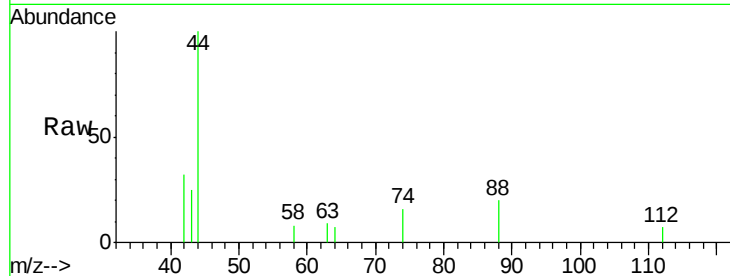
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

74 97.3 93.4 140.0

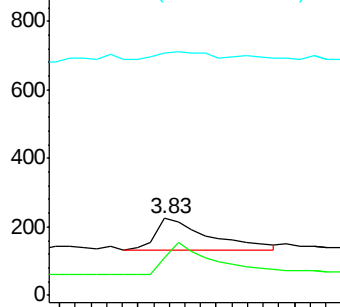
44 24.8 5.0 7.6#



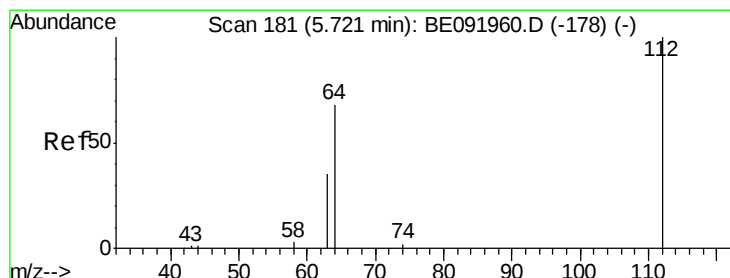
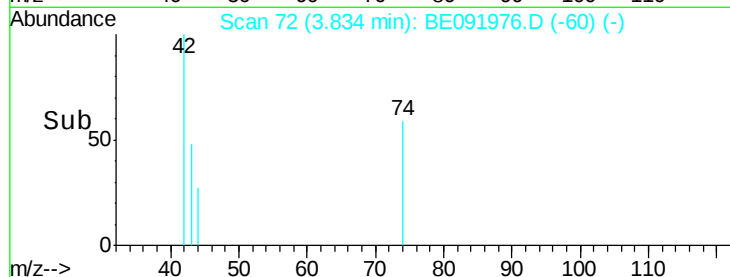
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time--> 3.70 3.80 3.90 4.00



#4

2-Fluorophenol

Concen: 6.27 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

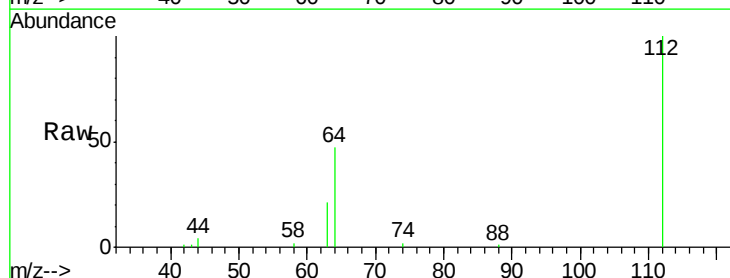
Tgt Ion: 112 Resp: 34079

Ion Ratio Lower Upper

112 100

64 66.5 53.7 80.5

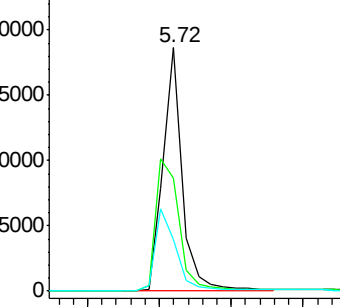
63 36.1 29.5 44.3



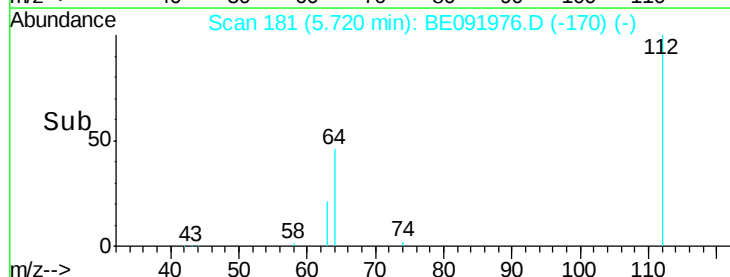
Abundance Ion 112.00 (111.70 to 112.70): BE0

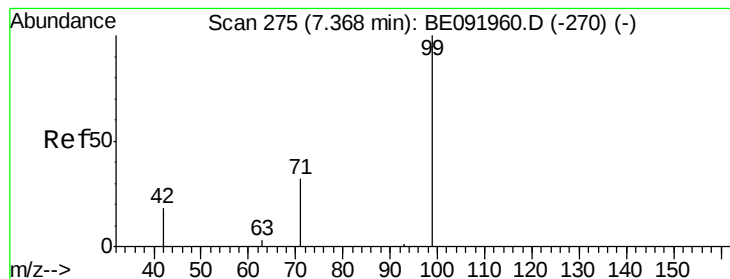
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 6.01 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

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LOQ-SOIL2016-02

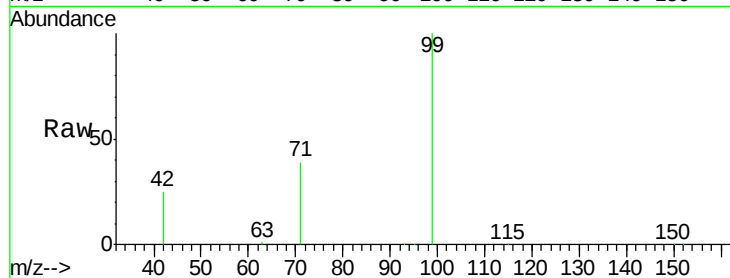
Tgt Ion: 99 Resp: 45390

Ion Ratio Lower Upper

99 100

42 24.5 19.6 29.4

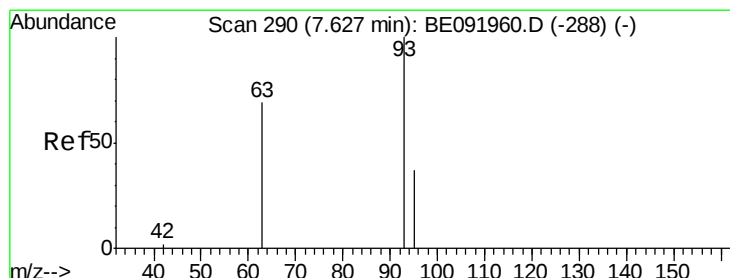
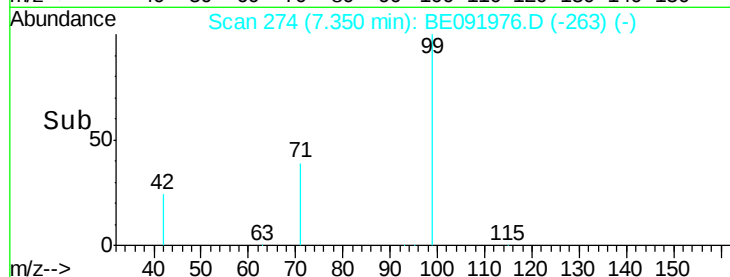
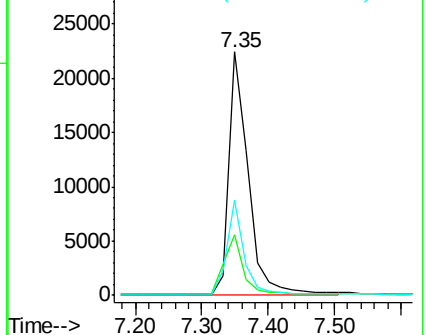
71 35.2 28.1 42.1



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: 0.12 ng

RT: 7.63 min Scan# 290

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

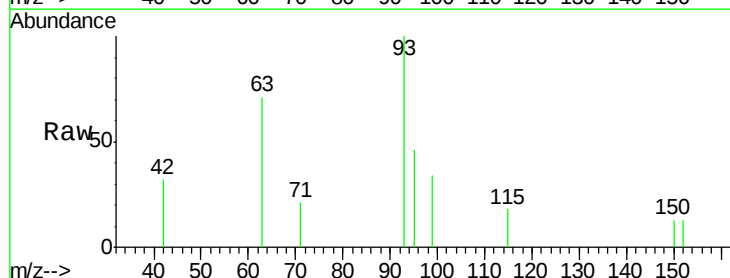
Tgt Ion: 93 Resp: 808

Ion Ratio Lower Upper

93 100

63 88.9 66.2 99.4

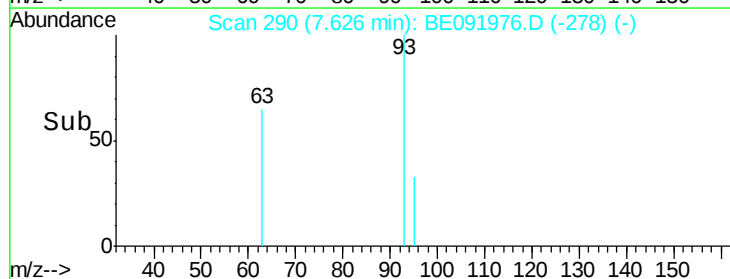
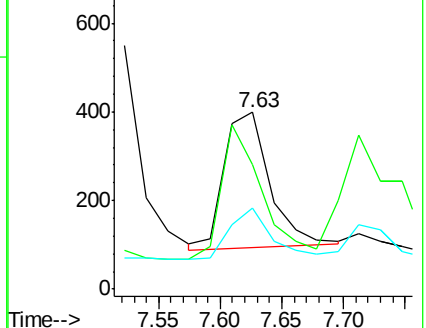
95 33.5 25.5 38.3

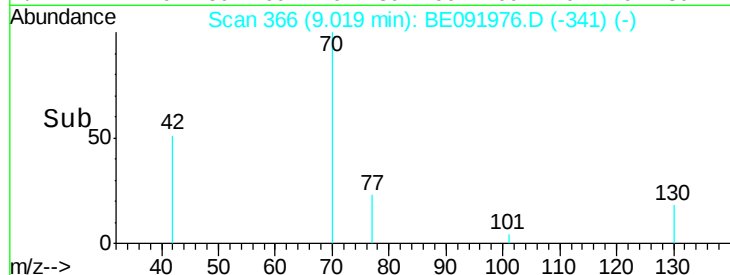
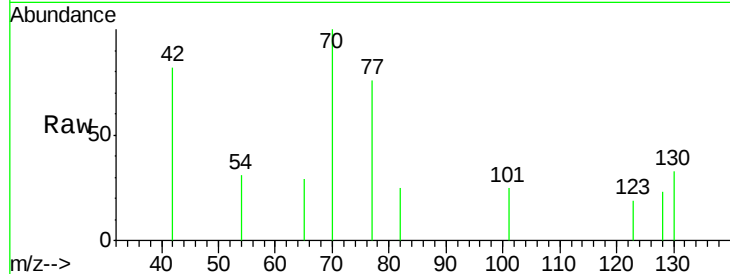
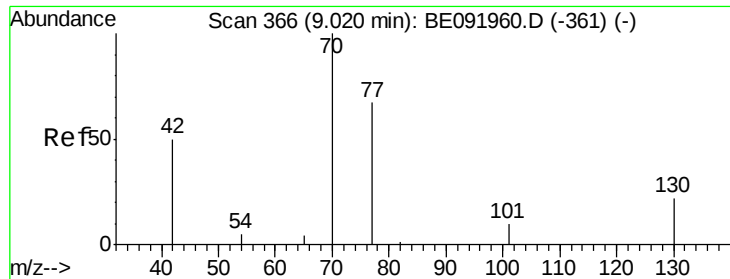


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.12 ng

RT: 9.02 min Scan# 366

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion: 70 Resp: 778

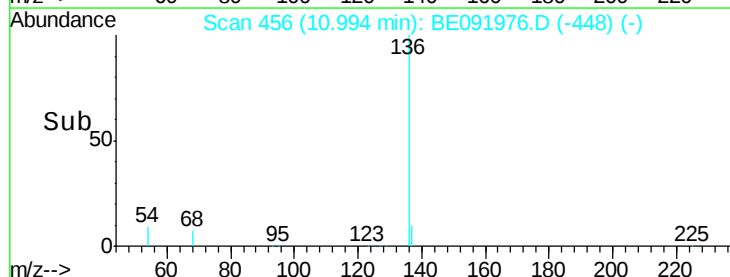
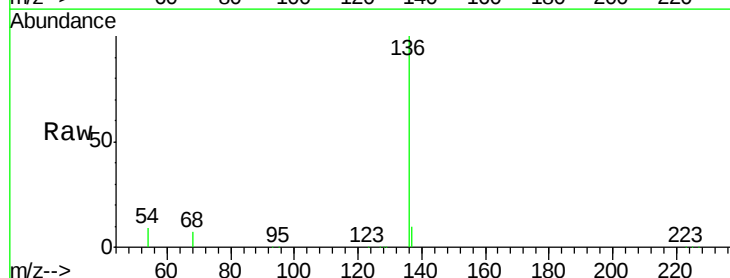
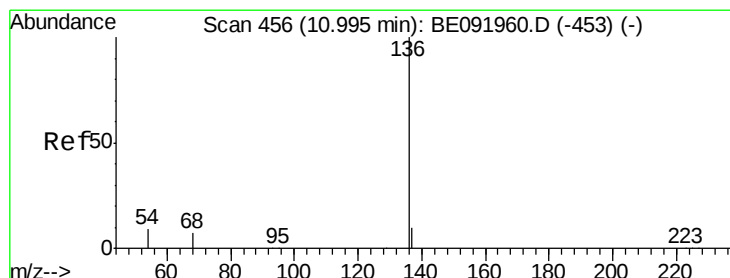
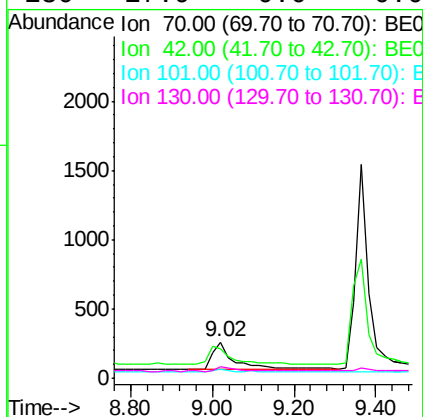
Ion Ratio Lower Upper

70 100

42 69.5 58.4 87.6

101 6.0 6.4 9.6#

130 17.9 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Tgt Ion: 136 Resp: 102454

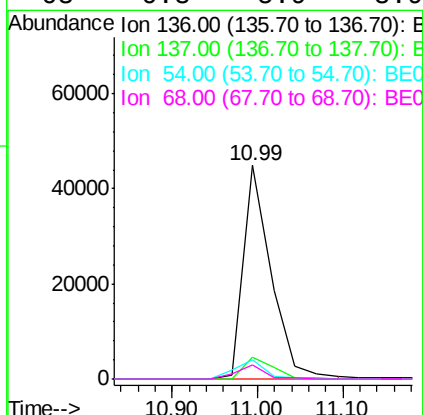
Ion Ratio Lower Upper

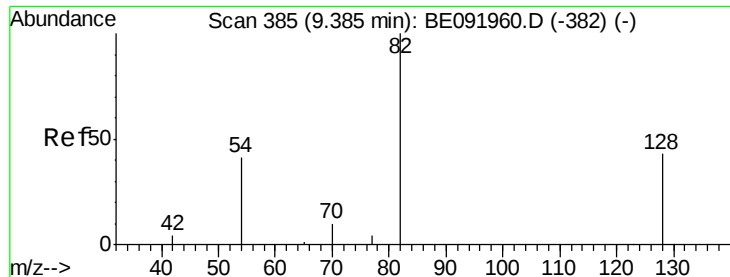
136 100

137 10.1 8.3 12.5

54 9.2 8.2 12.4

68 6.8 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.69 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

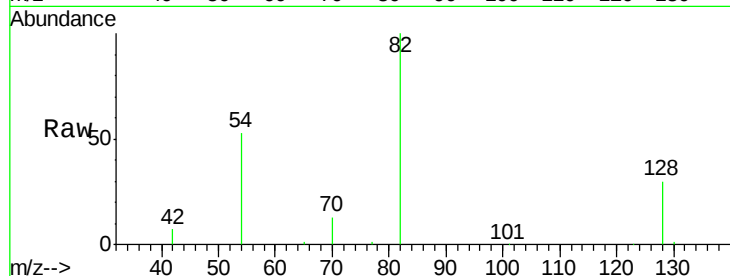
Tgt Ion: 82 Resp: 25772

Ion Ratio Lower Upper

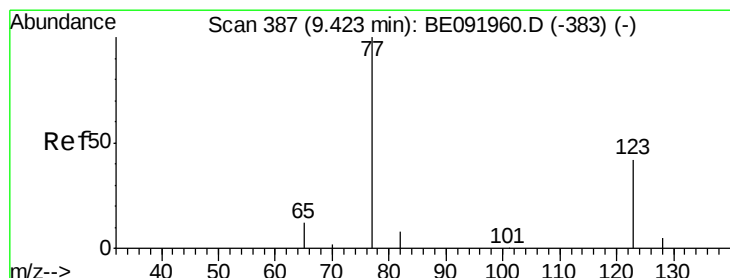
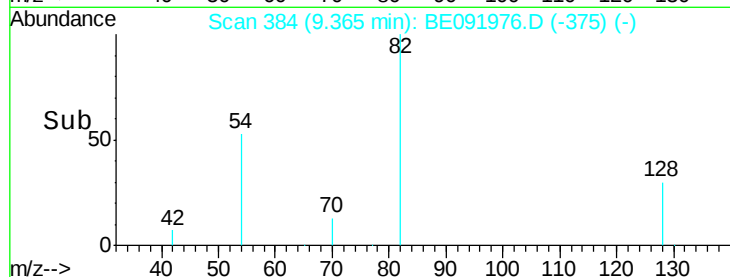
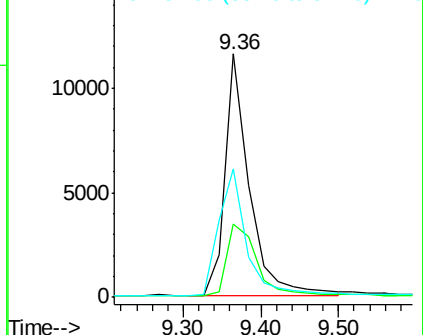
82 100

128 30.0 39.5 59.3#

54 52.8 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.15 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

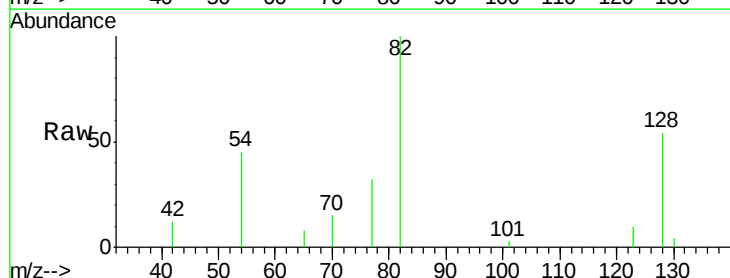
Tgt Ion: 77 Resp: 1133

Ion Ratio Lower Upper

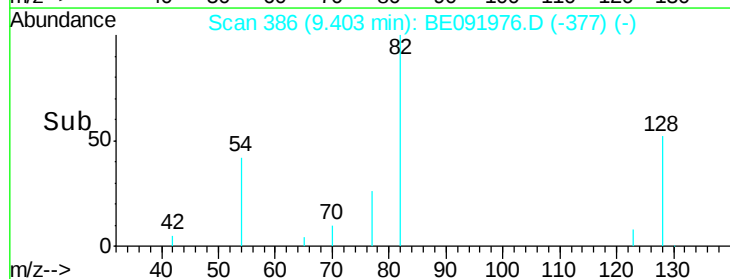
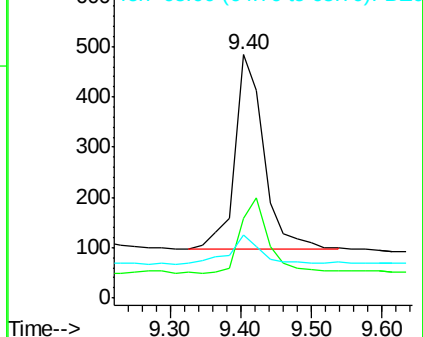
77 100

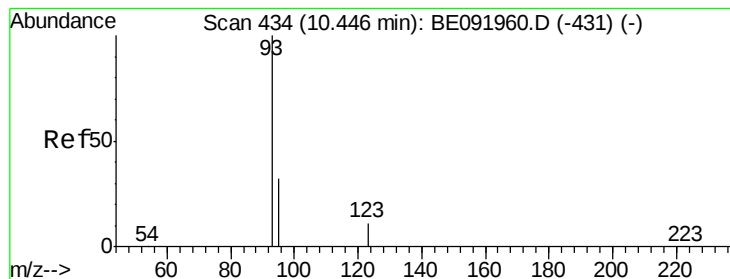
123 36.8 0.0 0.0#

65 17.1 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.13 ng

RT: 10.47 min Scan# 435

Delta R.T. 0.02 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

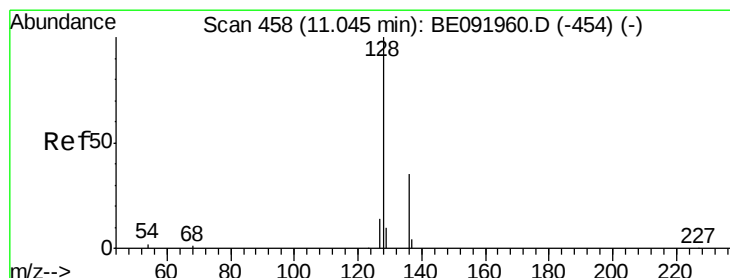
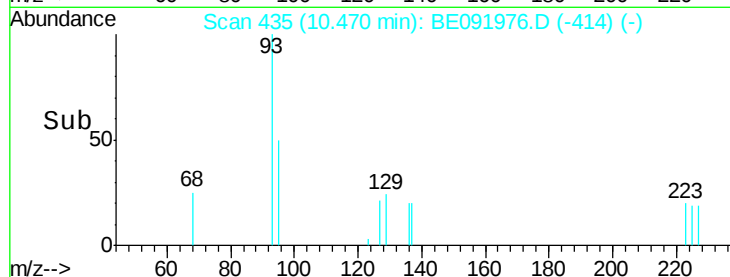
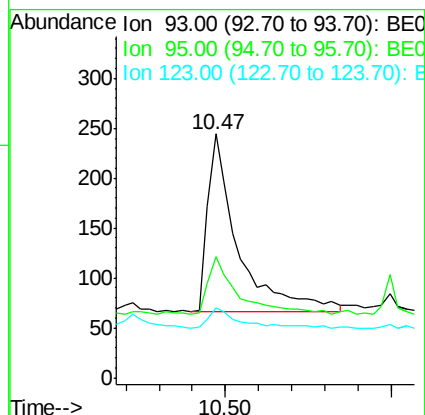
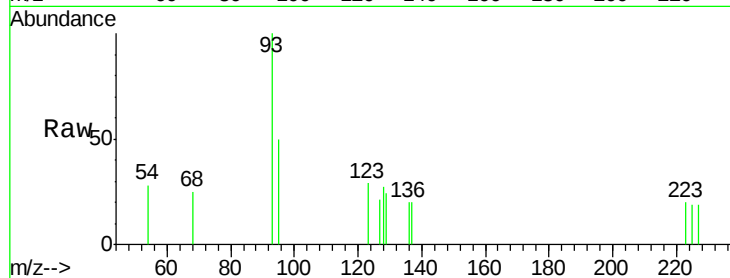
Tgt Ion: 93 Resp: 1126

Ion Ratio Lower Upper

93 100

95 32.9 57.6 86.4#

123 11.3 100.2 150.4#



#12

Naphthalene

Concen: 0.14 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

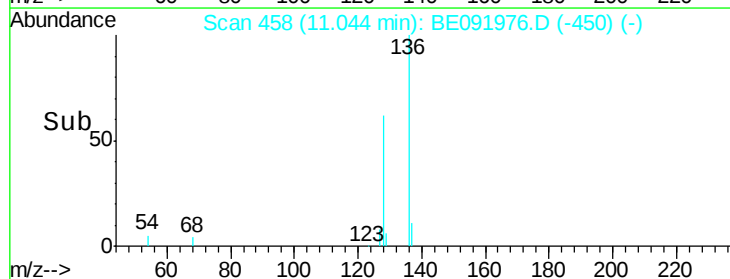
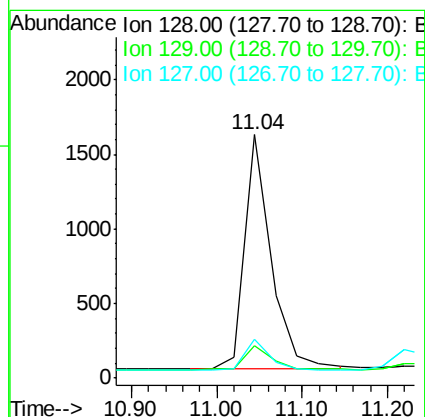
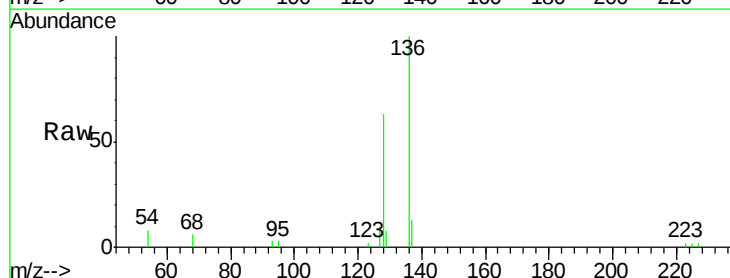
Tgt Ion: 128 Resp: 3418

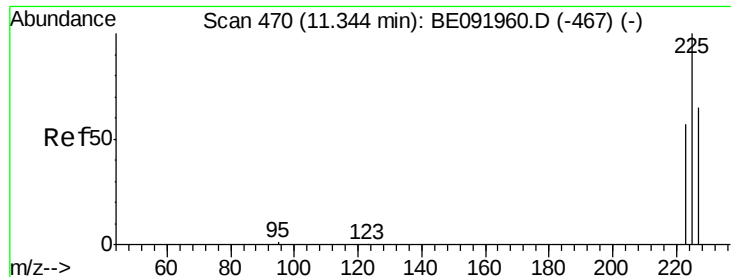
Ion Ratio Lower Upper

128 100

129 13.4 10.4 15.6

127 16.2 10.2 15.2#

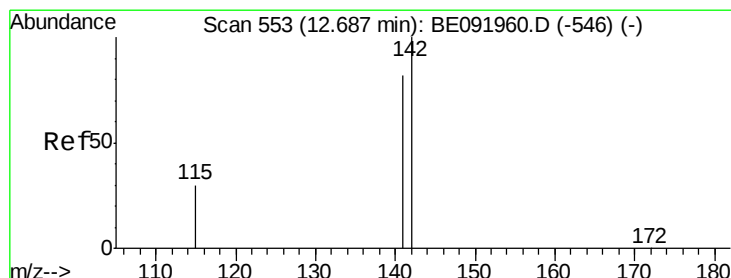
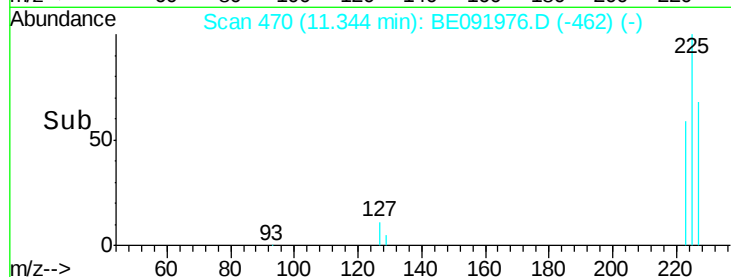
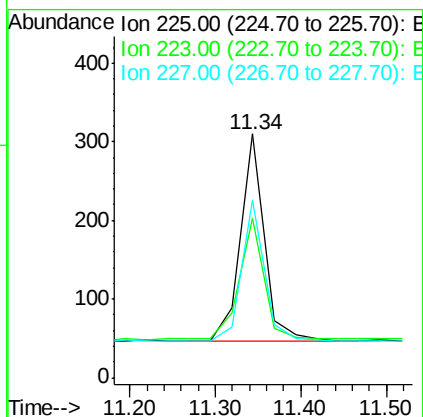
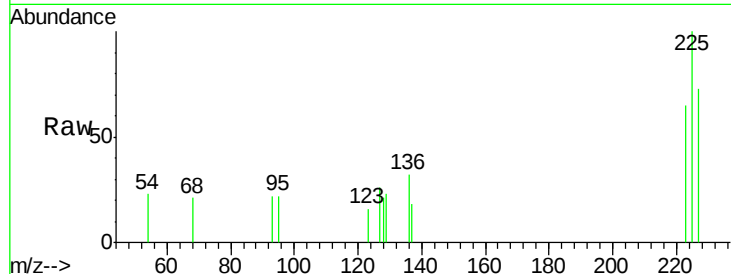




#13
Hexachlorobutadiene
Concen: 0.14 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

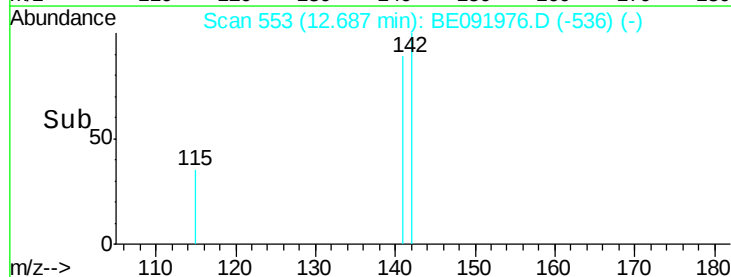
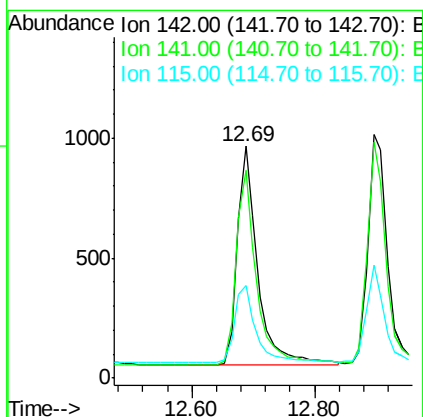
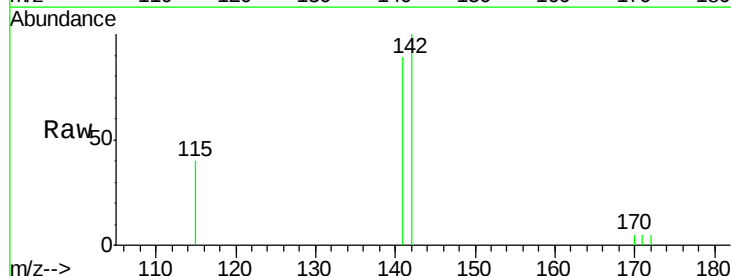
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

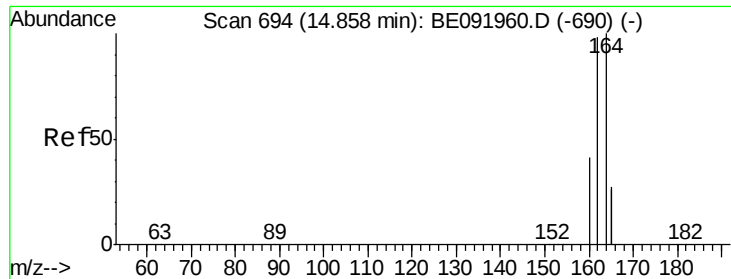
Tgt Ion: 225 Resp: 519
Ion Ratio Lower Upper
225 100
223 60.5 49.8 74.8
227 63.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.14 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Tgt Ion: 142 Resp: 2146
Ion Ratio Lower Upper
142 100
141 89.5 71.9 107.9
115 40.0 29.9 44.9

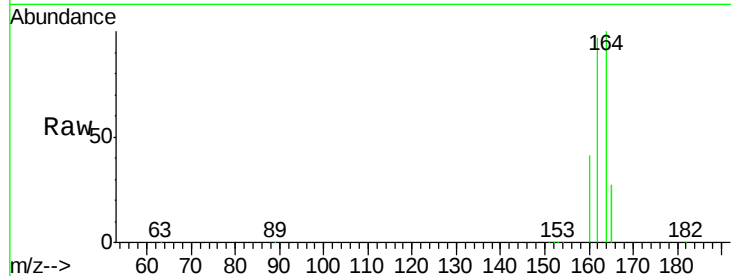




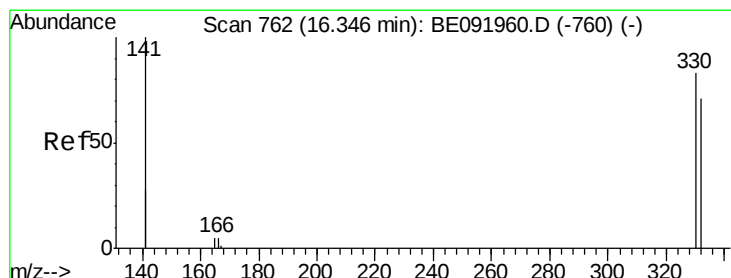
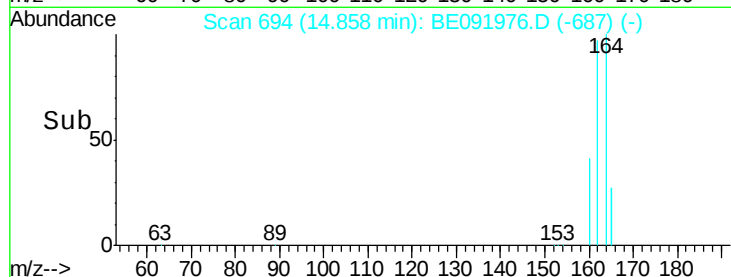
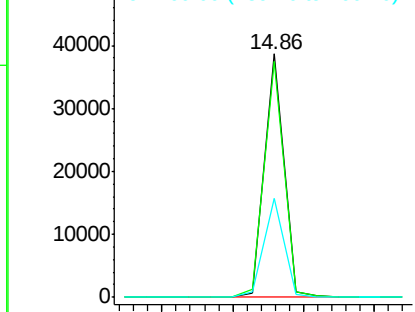
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:164 Resp: 73020
Ion Ratio Lower Upper
164 100
162 96.7 71.8 107.8
160 40.8 28.0 42.0

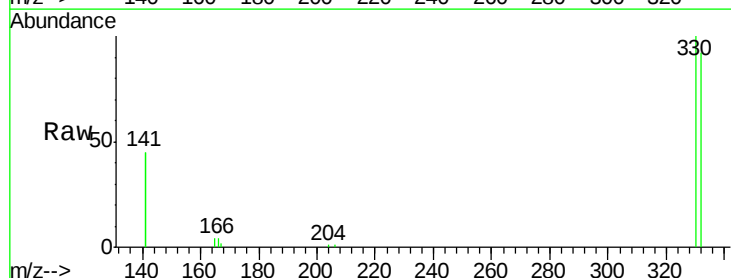


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

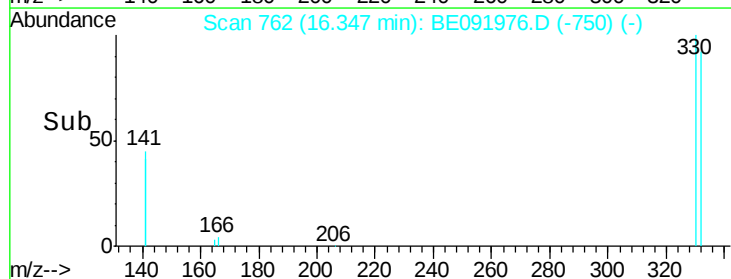
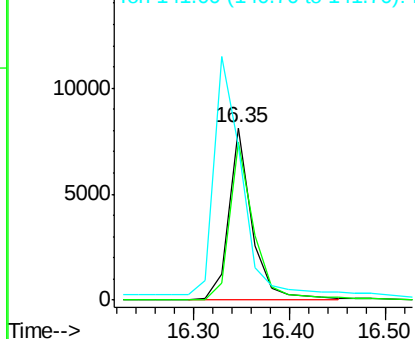


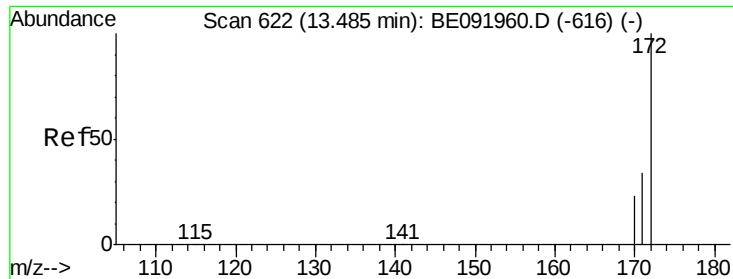
#16
2,4,6-Tribromophenol
Concen: 5.12 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Tgt Ion:330 Resp: 13248
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 167.4 138.4 207.6



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

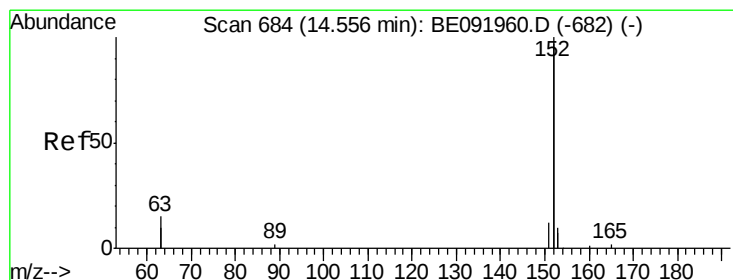
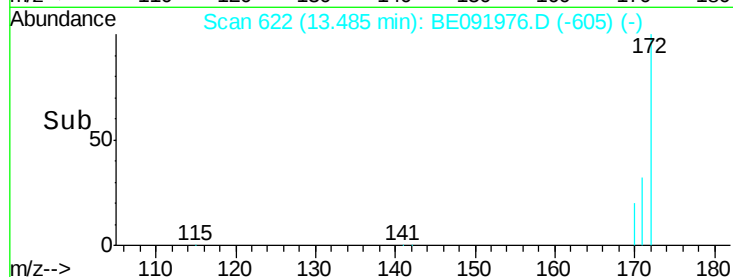
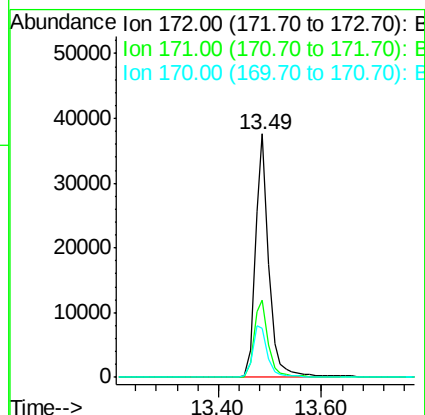
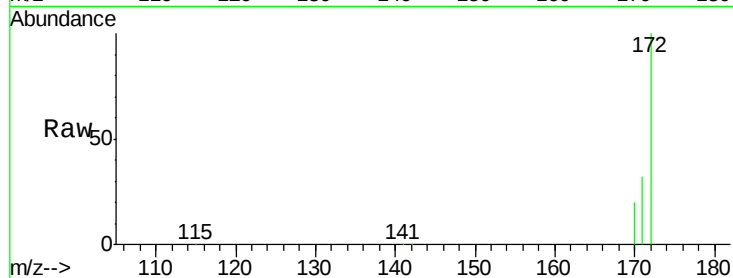




#17
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

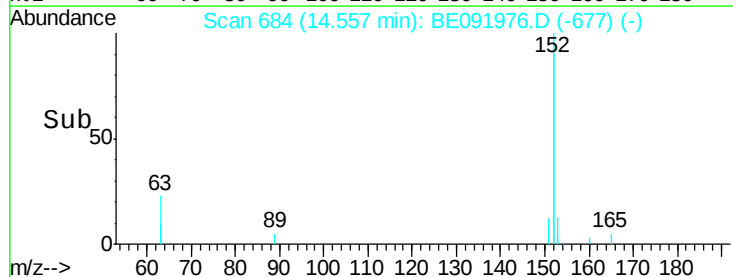
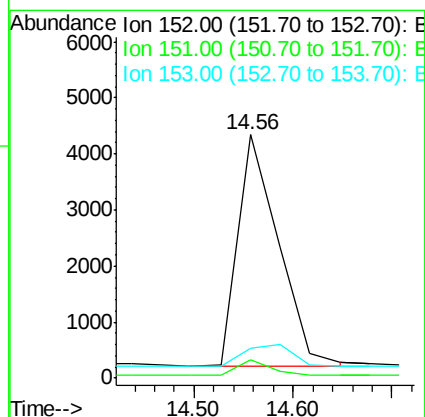
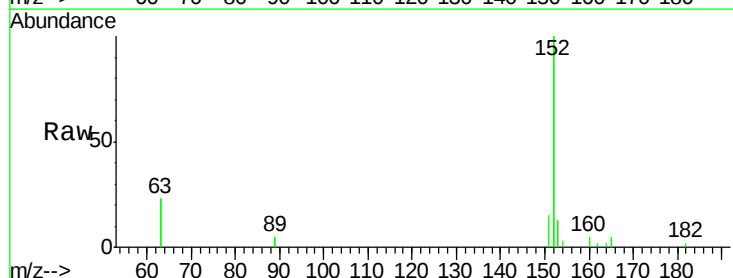
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

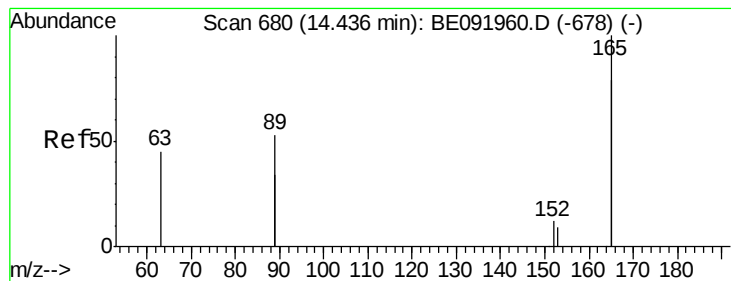
Tgt Ion:172 Resp: 66903
Ion Ratio Lower Upper
172 100
171 31.6 24.3 36.5
170 20.1 14.9 22.3



#18
Acenaphthylene
Concen: 0.13 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Tgt Ion:152 Resp: 11885
Ion Ratio Lower Upper
152 100
151 5.5 19.4 29.2#
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.19 ng

RT: 14.47 min Scan# 681

Delta R.T. 0.03 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

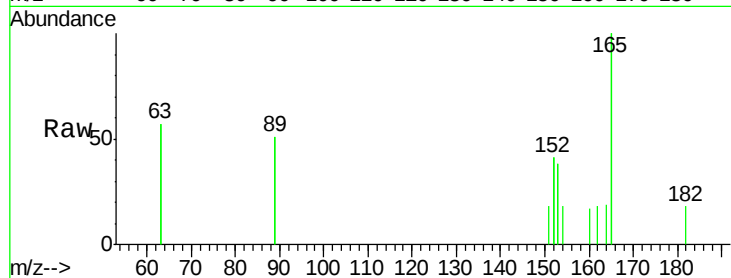
Tgt Ion:165 Resp: 1212

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

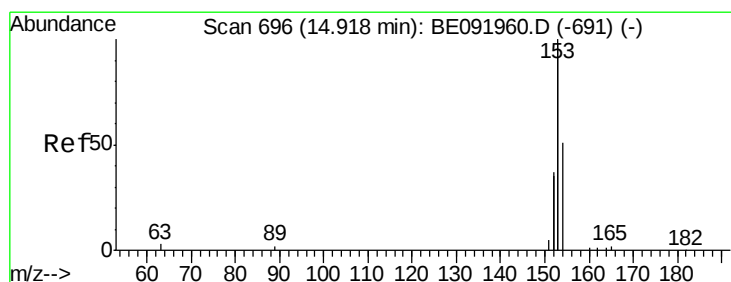
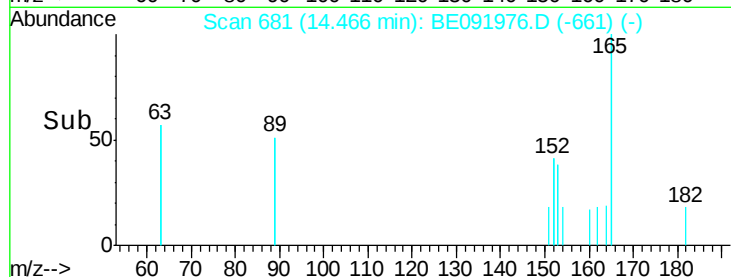
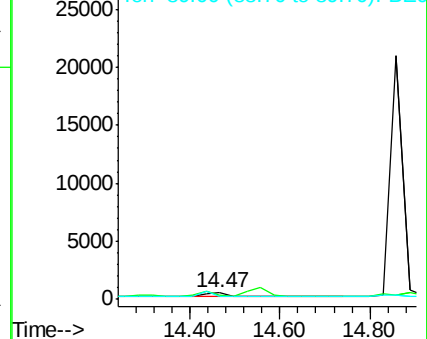
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.15 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

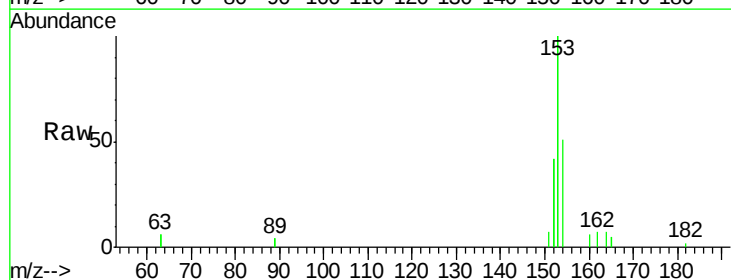
Tgt Ion:154 Resp: 2929

Ion Ratio Lower Upper

154 100

153 374.4 88.1 132.1#

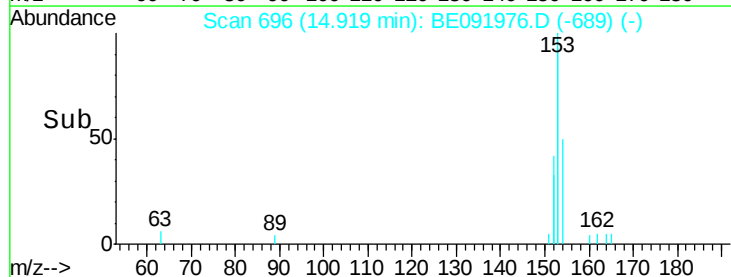
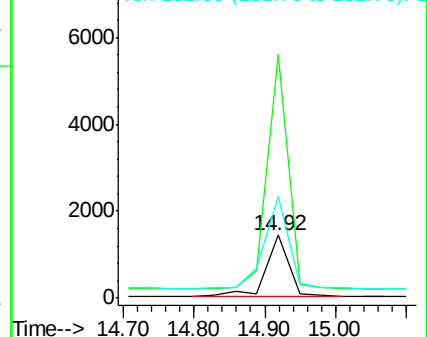
152 167.0 44.2 66.2#

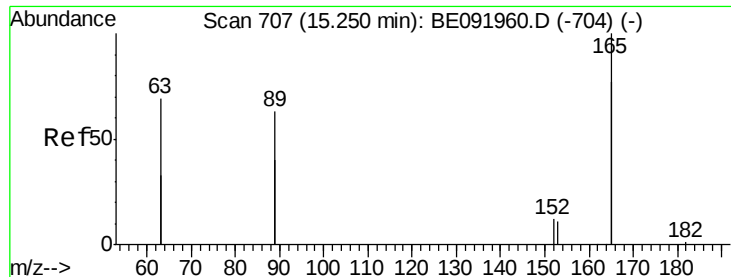


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.42 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:165 Resp: 4756

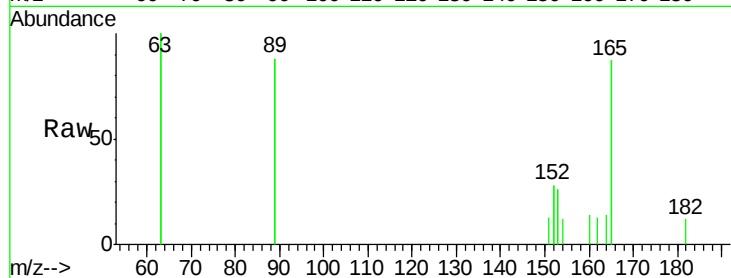
Ion Ratio Lower Upper

165 100

63 161.6 0.0 0.0#

89 144.2 99.8 149.8

182 0.0 0.0 0.0

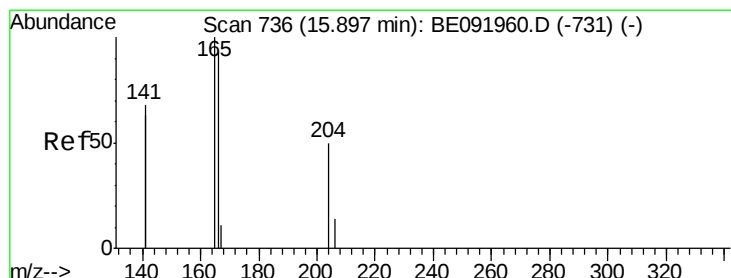
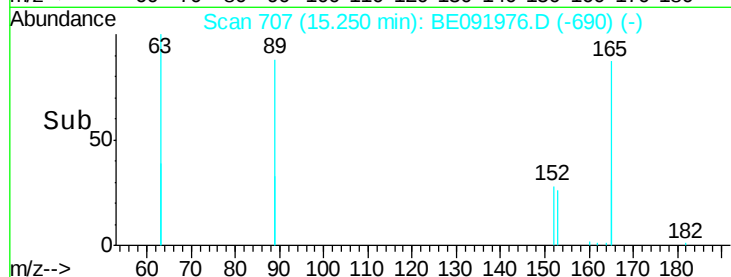
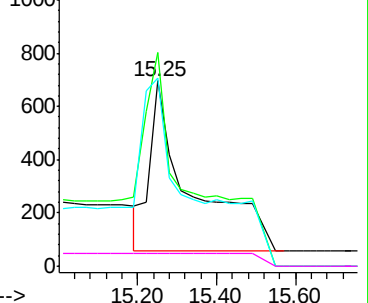


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.14 ng

RT: 15.90 min Scan# 736

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

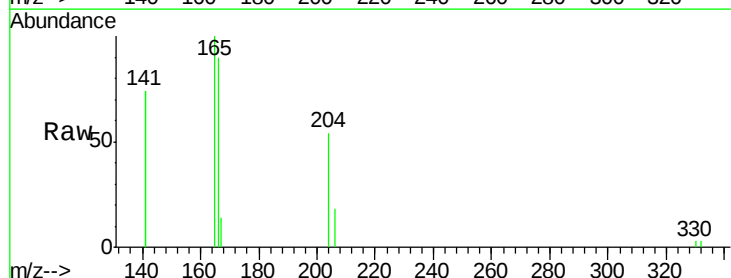
Tgt Ion:166 Resp: 3020

Ion Ratio Lower Upper

166 100

165 97.5 78.6 117.8

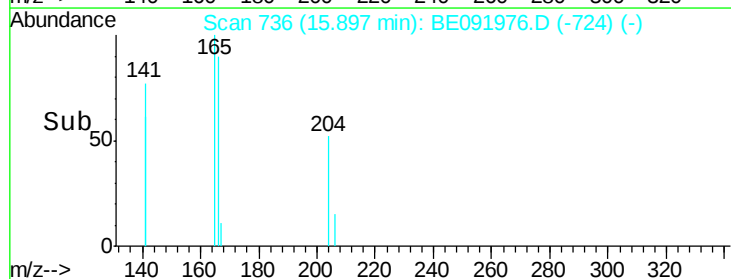
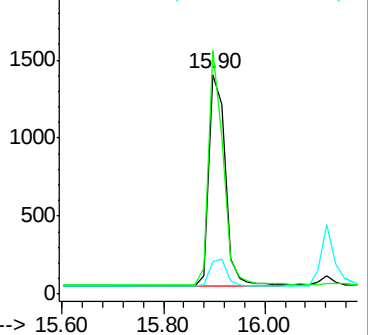
167 13.2 10.8 16.2

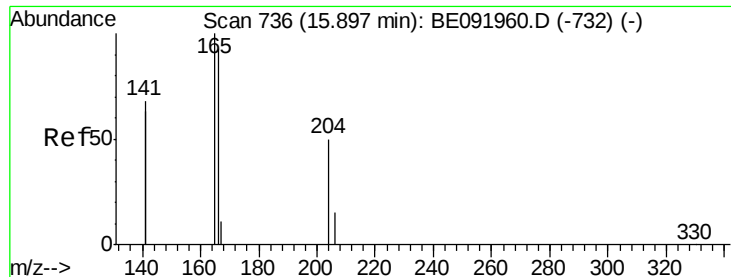


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

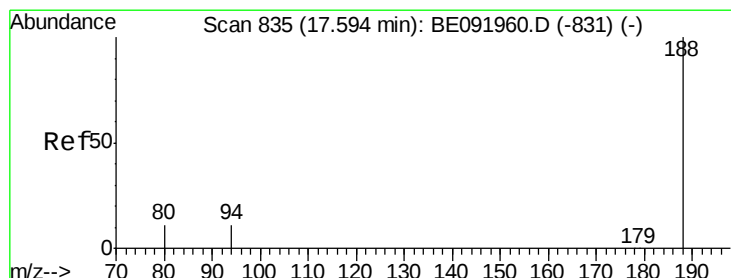
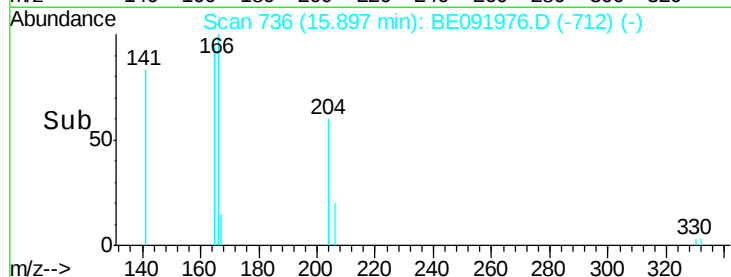
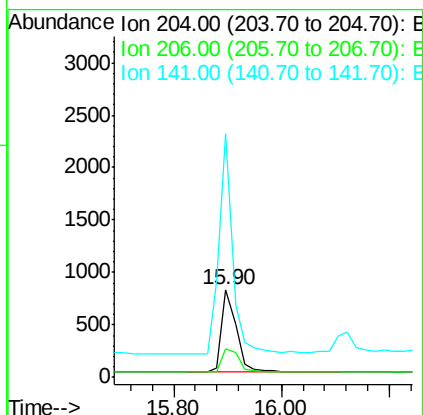
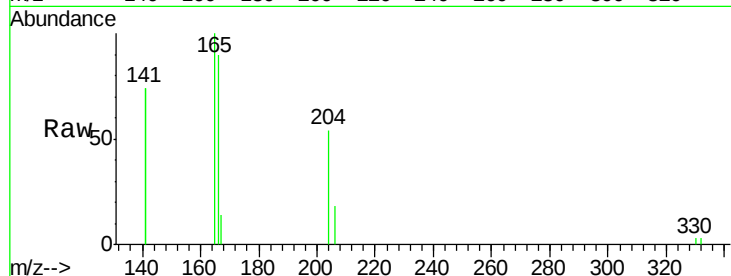




#23
 4-Chlorophenyl-phenylether
 Concen: 0.15 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE091976.D
 Acq: 6 Jul 2016 00:16

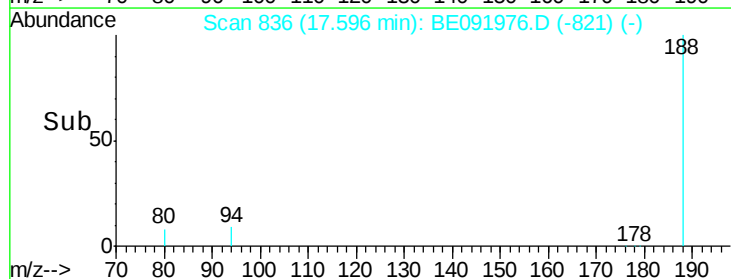
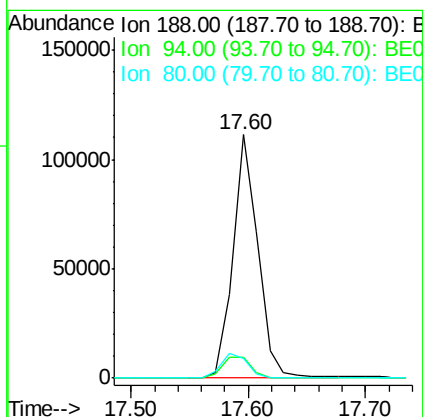
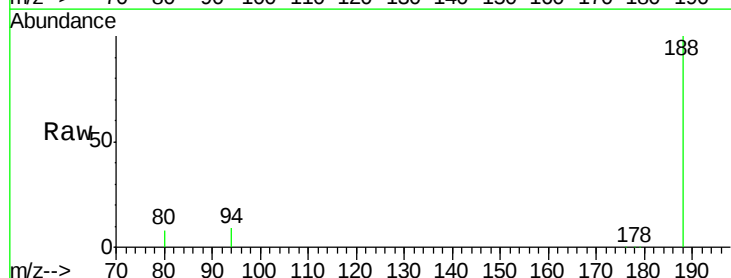
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

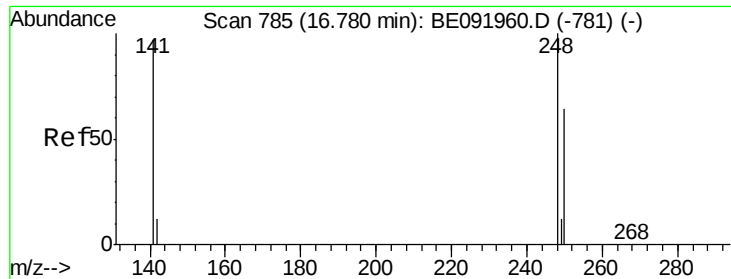
Tgt Ion:204 Resp: 1528
 Ion Ratio Lower Upper
 204 100
 206 33.0 27.8 41.6
 141 243.3 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.60 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BE091976.D
 Acq: 6 Jul 2016 00:16

Tgt Ion:188 Resp: 164810
 Ion Ratio Lower Upper
 188 100
 94 8.5 4.1 6.1#
 80 8.2 3.4 5.2#

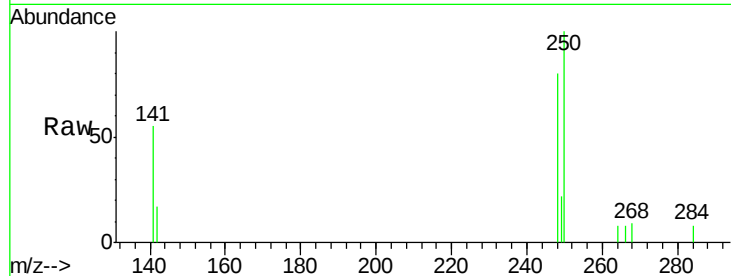




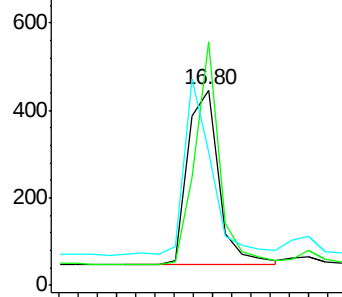
#25
4-Bromophenyl-phenylether
Concen: 0.13 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

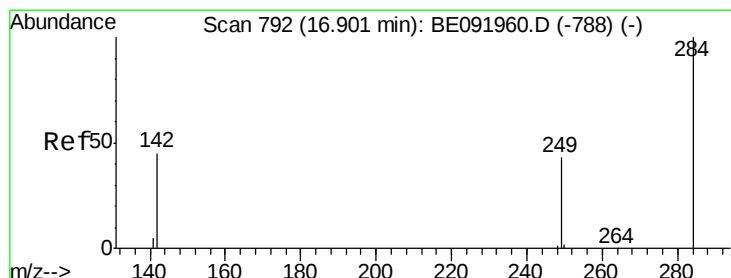
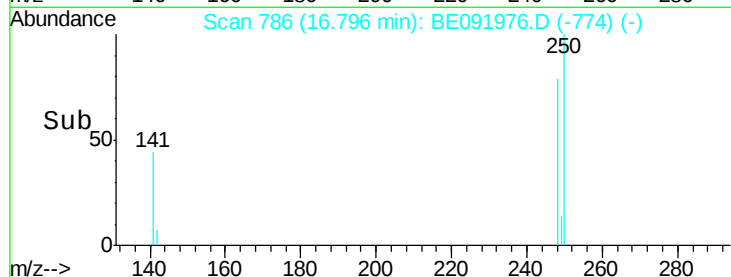
Tgt Ion:248 Resp: 904
Ion Ratio Lower Upper
248 100
250 98.8 75.7 113.5
141 87.1 64.6 97.0



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

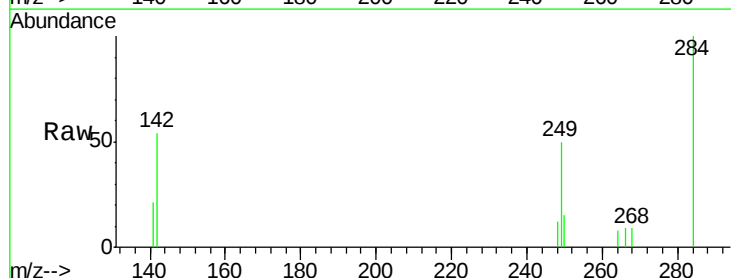


Time-->

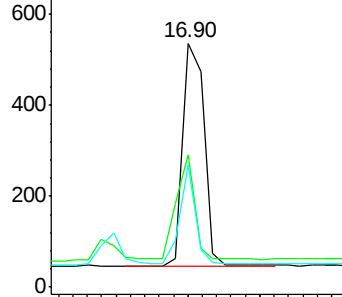


#26
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

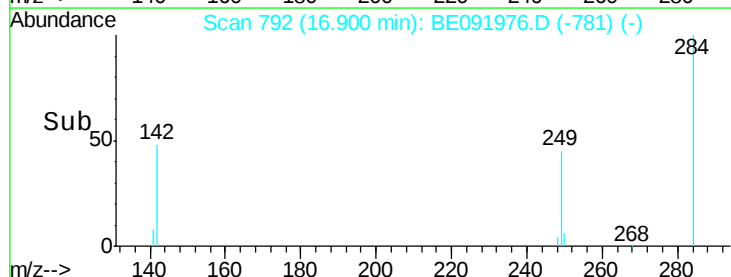
Tgt Ion:284 Resp: 1008
Ion Ratio Lower Upper
284 100
142 40.4 31.4 47.2
249 32.0 25.3 37.9

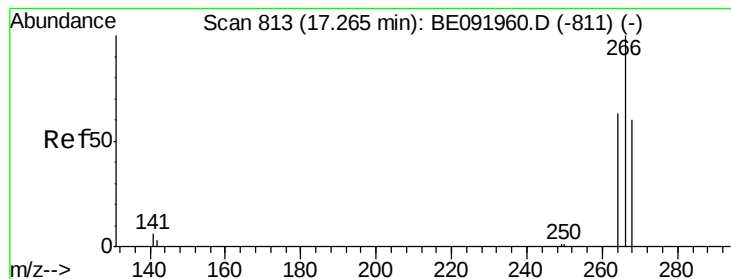


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->





#27

Pentachlorophenol

Concen: 0.17 ng

RT: 17.28 min Scan# 814

Delta R.T. 0.02 min

Lab File: BE091976.D

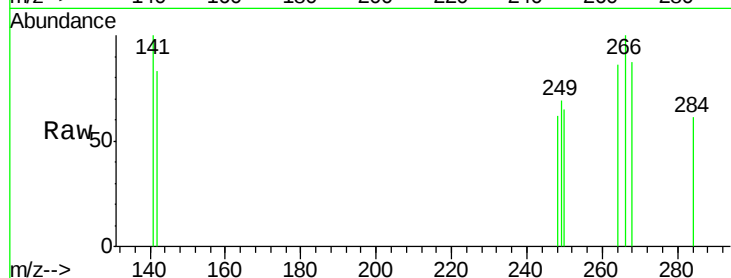
Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02



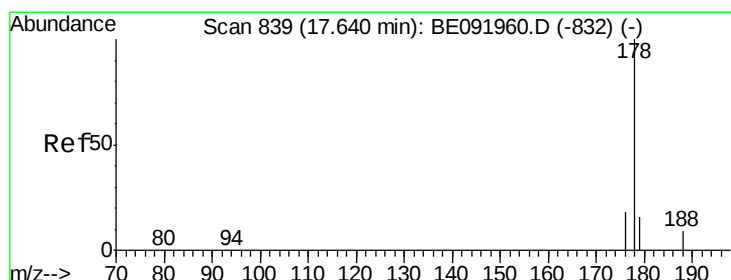
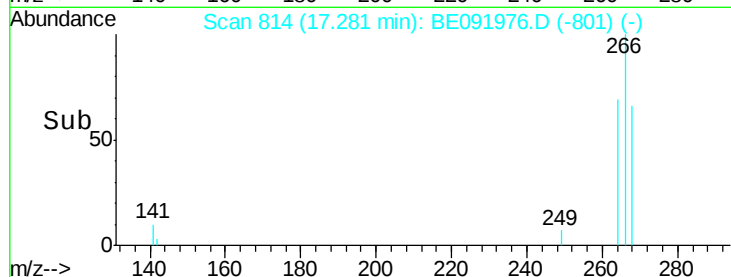
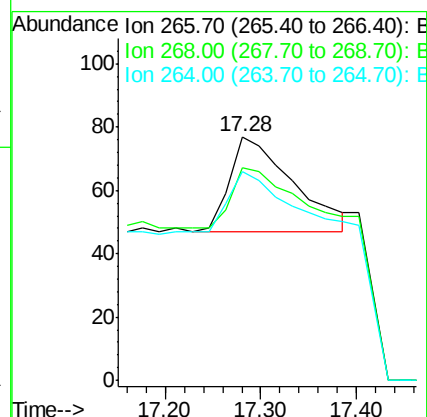
Tgt Ion:266 Resp: 136

Ion Ratio Lower Upper

266 100

268 87.0 60.5 90.7

264 85.7 51.0 76.4#



#28

Phenanthrene

Concen: 0.15 ng

RT: 17.64 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

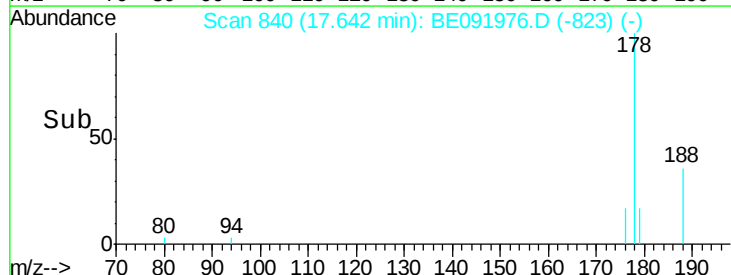
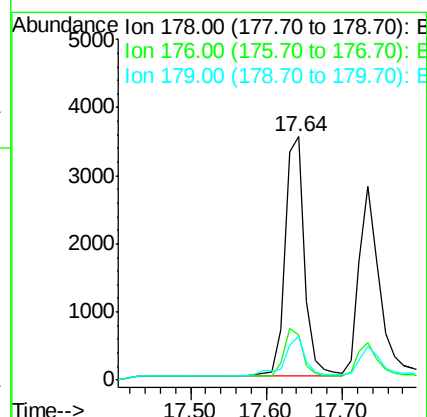
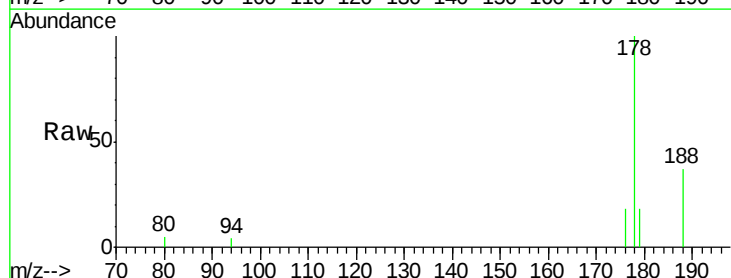
Tgt Ion:178 Resp: 6332

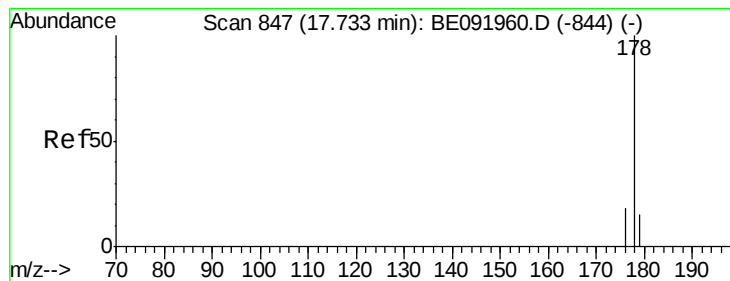
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 17.7 12.9 19.3





#29

Anthracene

Concen: 0.13 ng

RT: 17.73 min Scan# 848

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

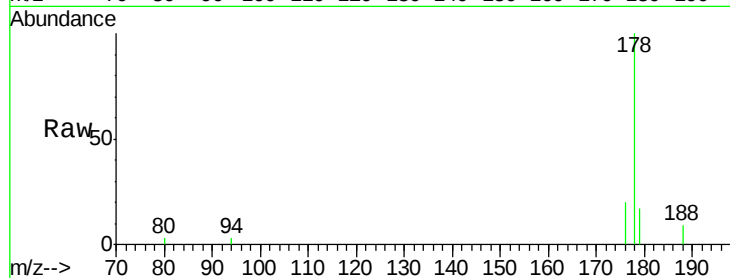
Tgt Ion:178 Resp: 5285

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

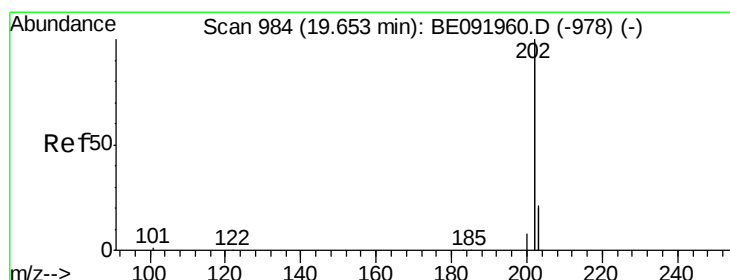
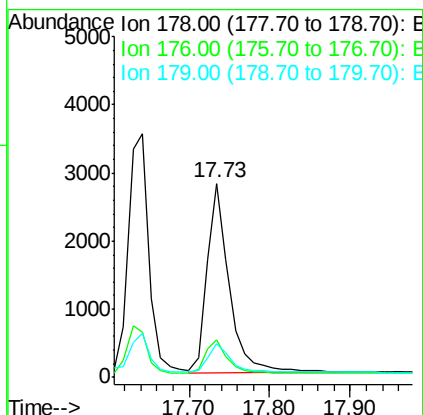
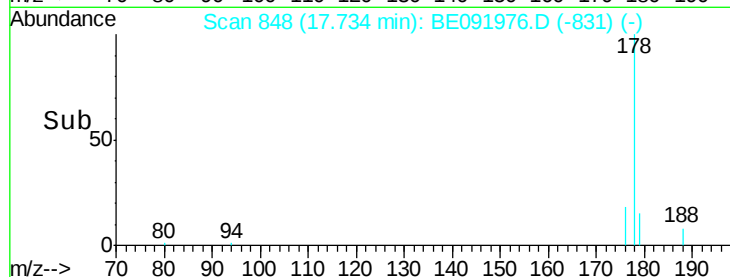
179 15.2 12.1 18.1



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



#30

Fluoranthene

Concen: 0.15 ng

RT: 19.65 min Scan# 985

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

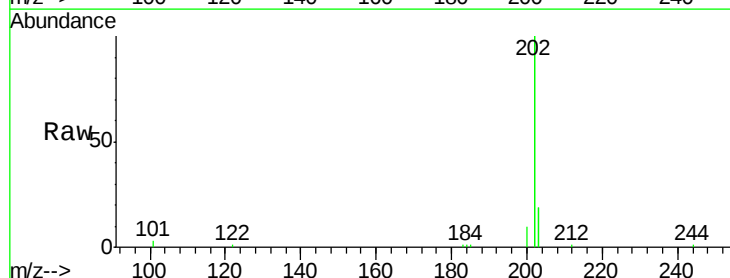
Tgt Ion:202 Resp: 27037

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

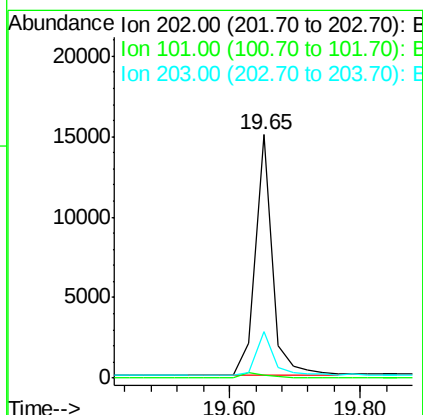
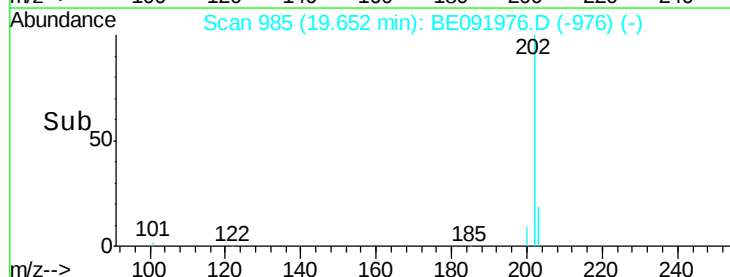
203 17.8 14.3 21.5

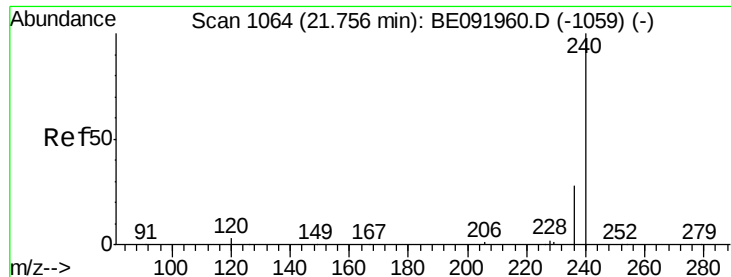


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

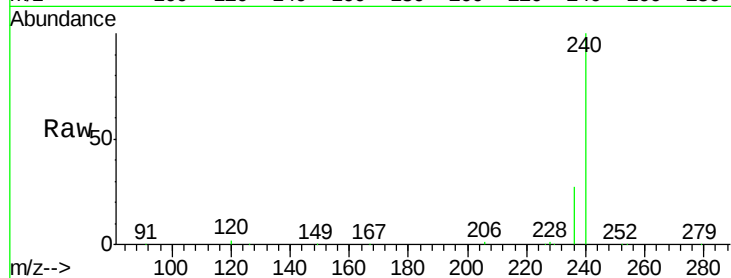
Tgt Ion:240 Resp: 316489

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

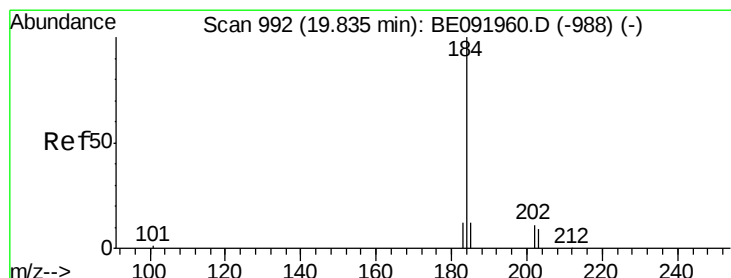
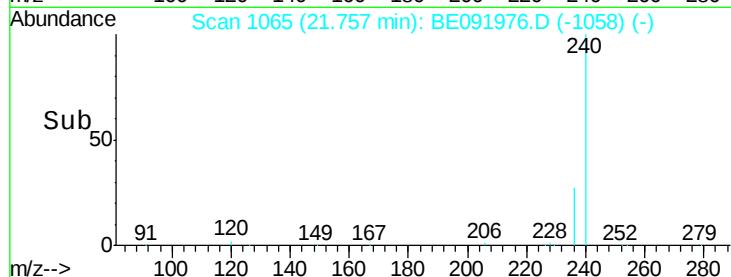
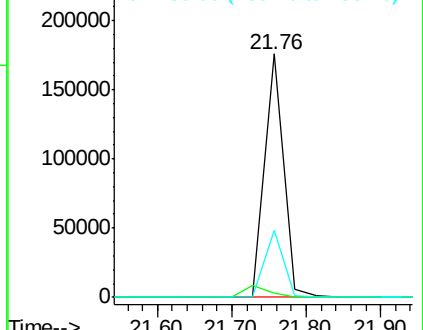
236 27.3 19.8 29.8



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



#32

Benzidine

Concen: 0.26 ng

RT: 19.86 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

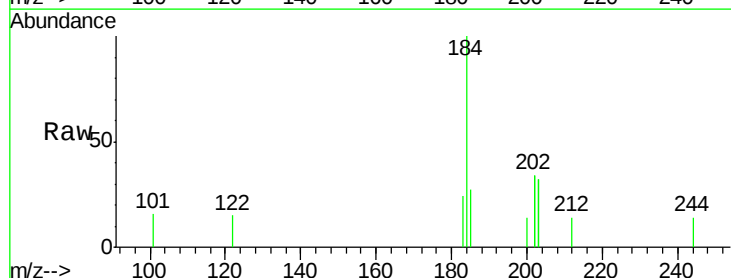
Tgt Ion:184 Resp: 1130

Ion Ratio Lower Upper

184 100

185 27.1 11.4 17.2#

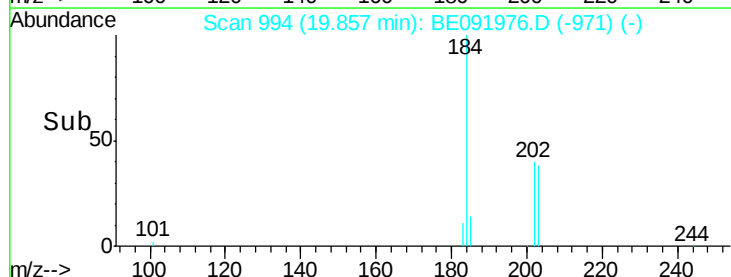
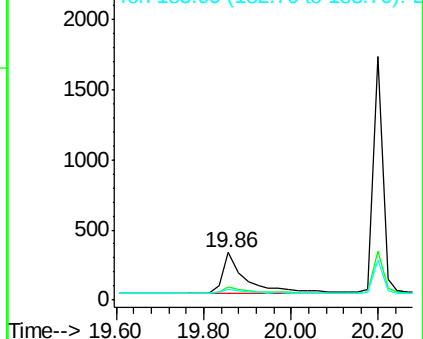
183 23.5 11.8 17.6#

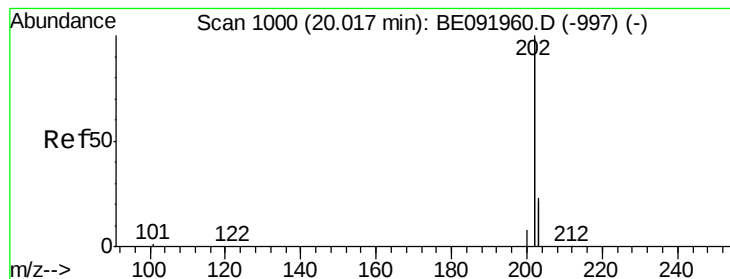


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.12 ng

RT: 20.02 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

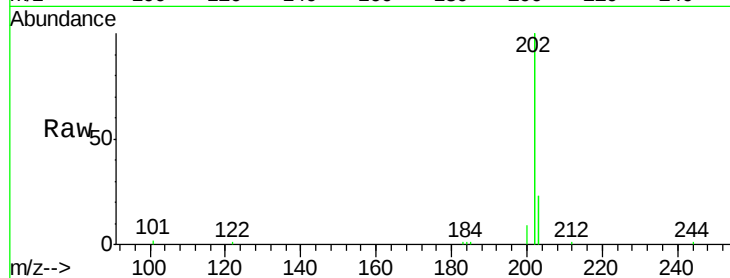
Tgt Ion:202 Resp: 26828

Ion Ratio Lower Upper

202 100

200 5.3 16.9 25.3#

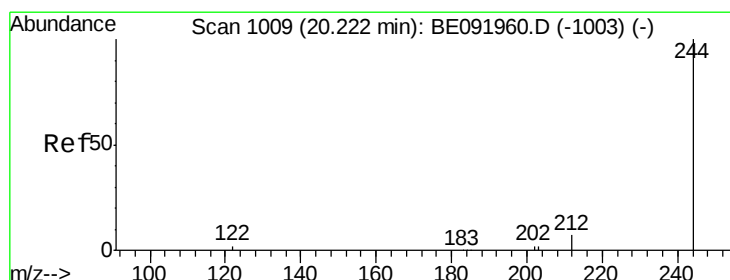
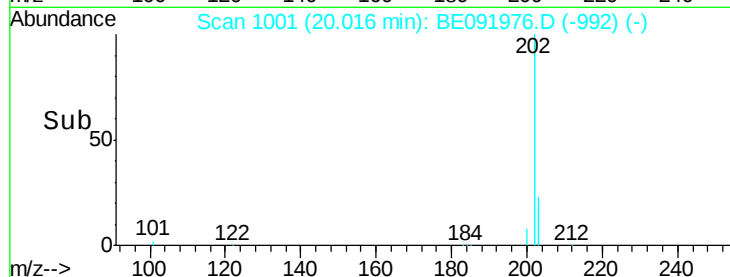
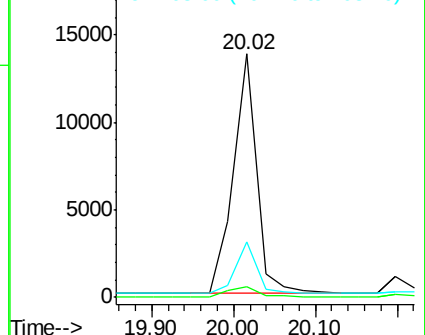
203 19.2 14.1 21.1



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



#34

Terphenyl-d14

Concen: 3.02 ng

RT: 20.22 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

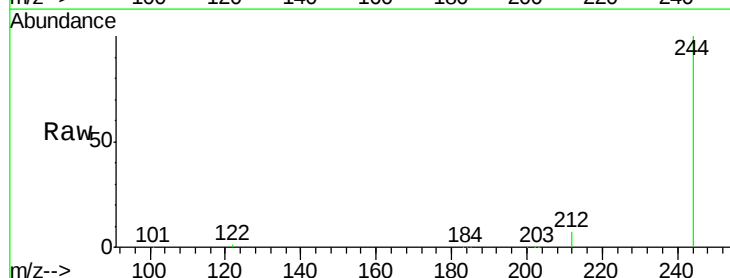
Tgt Ion:244 Resp: 112801

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

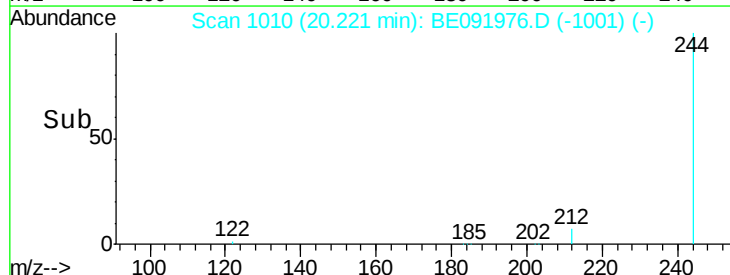
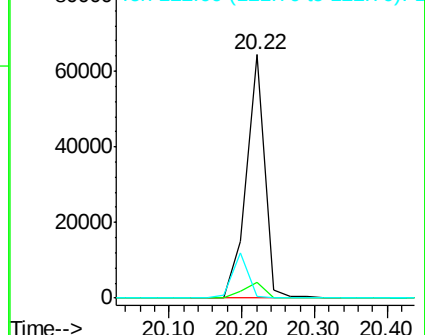
122 0.7 2.9 4.3#

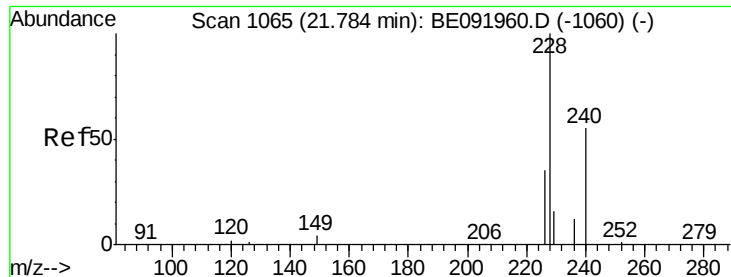


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

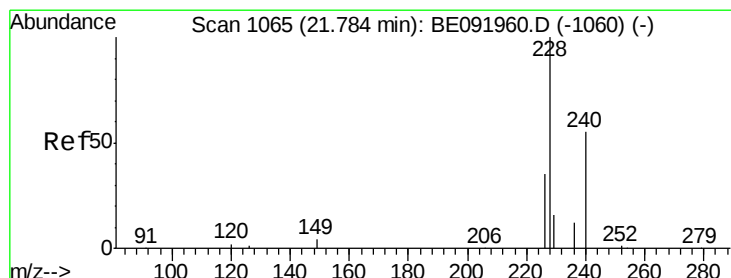
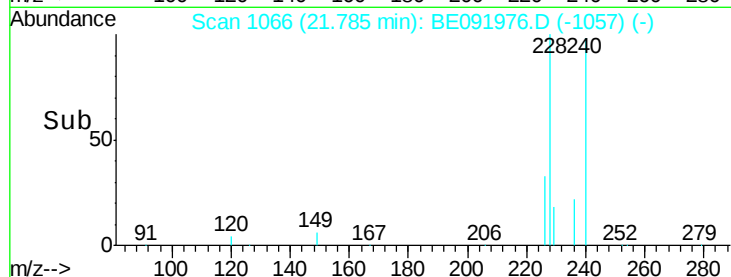
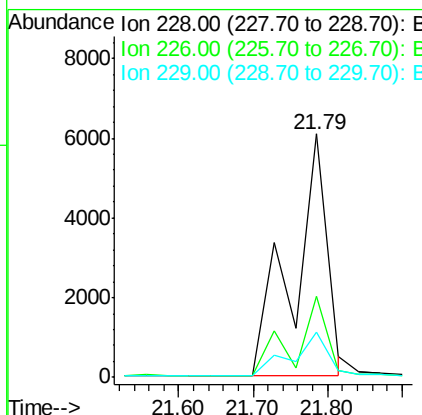
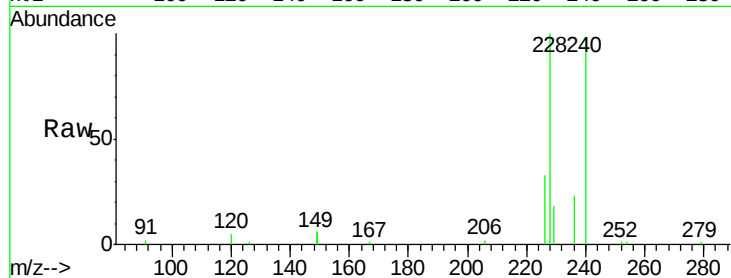




#35
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.79 min Scan# 1066
Delta R.T. 0.06 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

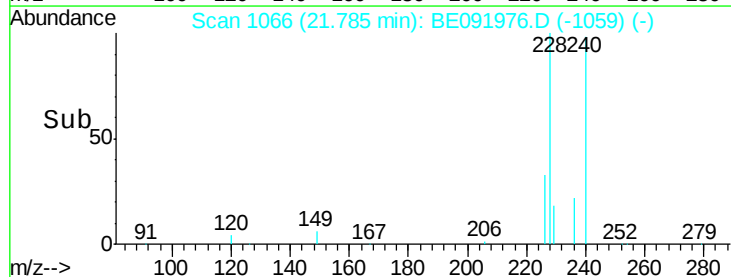
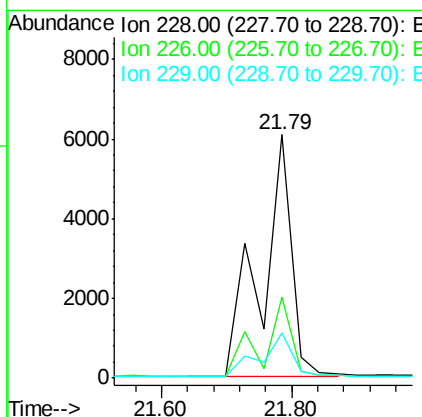
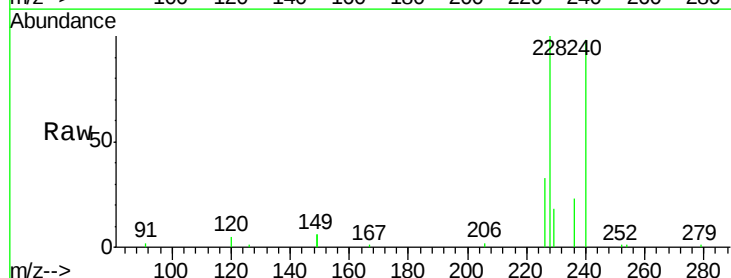
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

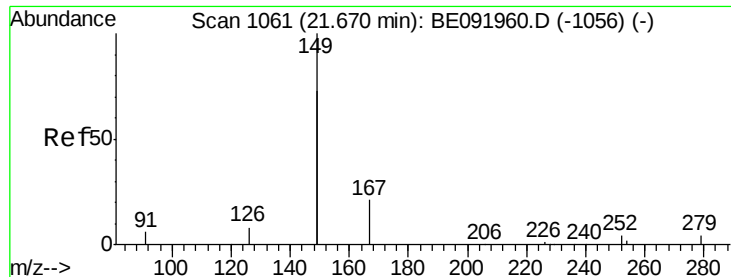
Tgt Ion:228 Resp: 19009
Ion Ratio Lower Upper
228 100
226 33.1 21.0 31.4#
229 18.4 15.8 23.8



#37
Chrysene
Concen: 0.26 ng
RT: 21.79 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BE091976.D
Acq: 6 Jul 2016 00:16

Tgt Ion:228 Resp: 19249
Ion Ratio Lower Upper
228 100
226 33.1 27.0 40.6
229 18.4 13.8 20.8

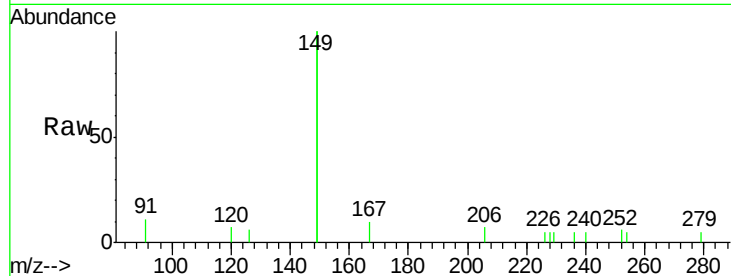




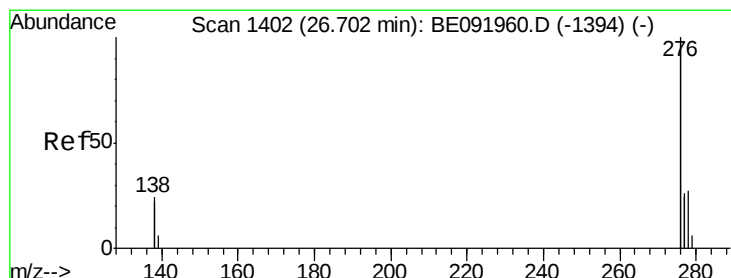
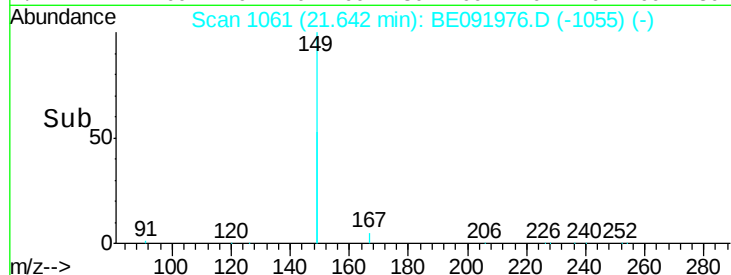
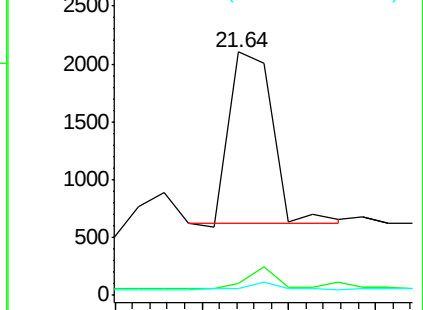
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.08 ng
 RT: 21.64 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE091976.D
 Acq: 6 Jul 2016 00:16

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:149 Resp: 5110
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0

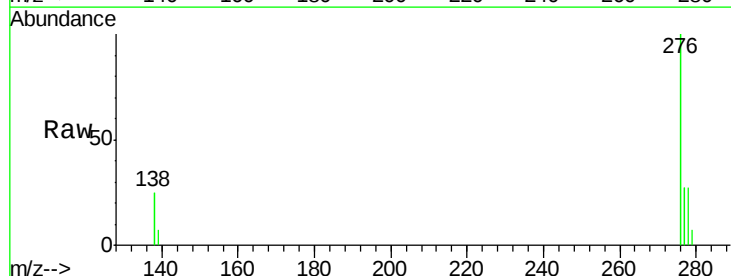


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

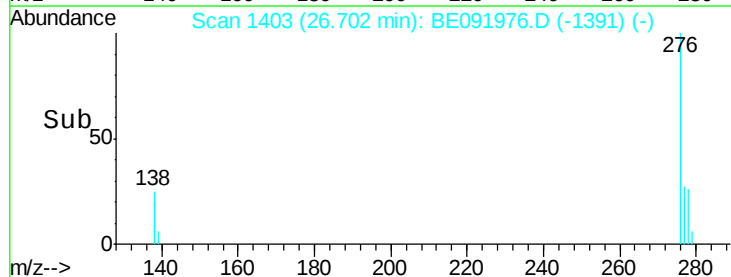
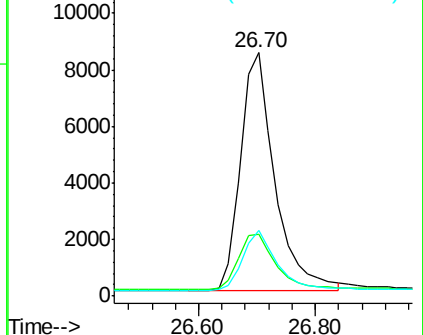


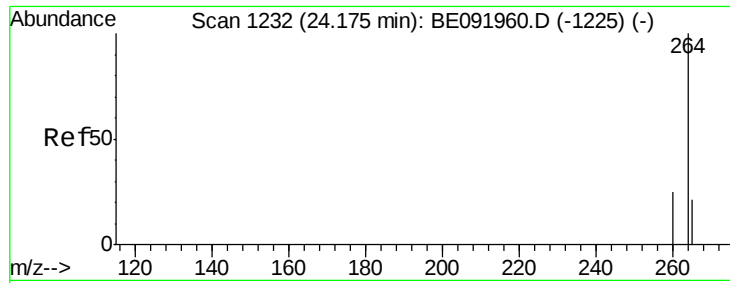
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.12 ng
 RT: 26.70 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BE091976.D
 Acq: 6 Jul 2016 00:16

Tgt Ion:276 Resp: 34487
 Ion Ratio Lower Upper
 276 100
 138 25.7 19.7 29.5
 277 24.6 20.1 30.1



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





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.18 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

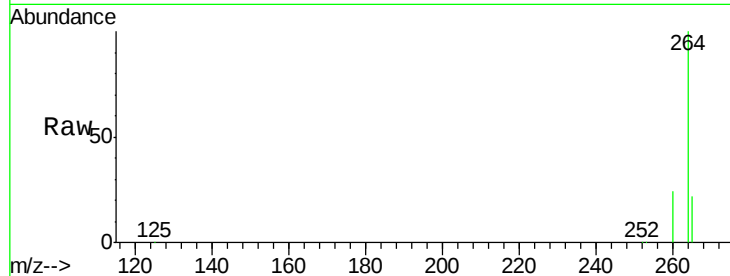
Tgt Ion:264 Resp: 231430

Ion Ratio Lower Upper

264 100

260 24.5 20.3 30.5

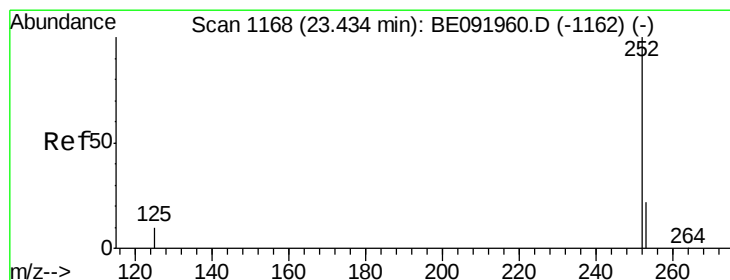
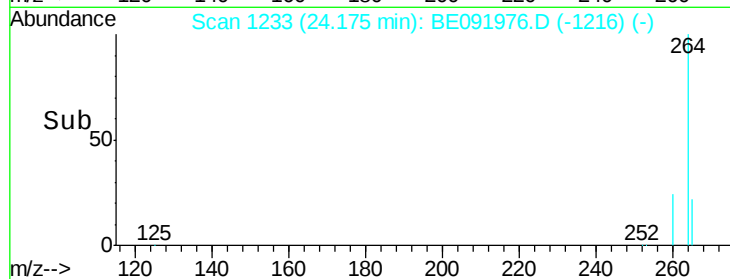
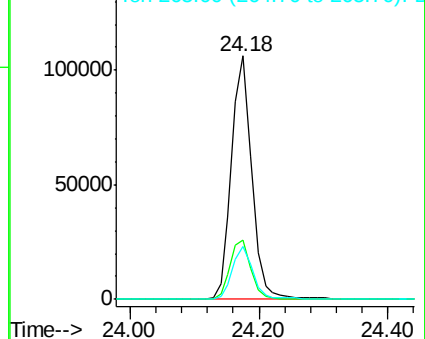
265 22.0 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#41

Benzo(b)fluoranthene

Concen: 0.13 ng

RT: 23.43 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

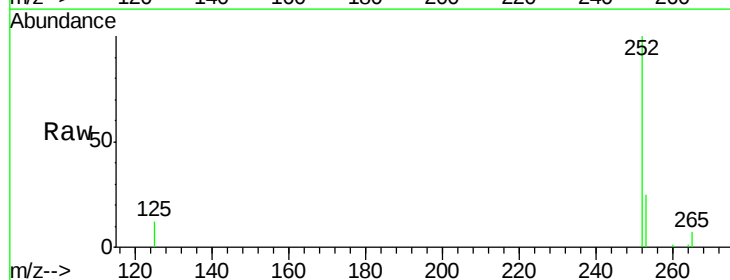
Tgt Ion:252 Resp: 8548

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

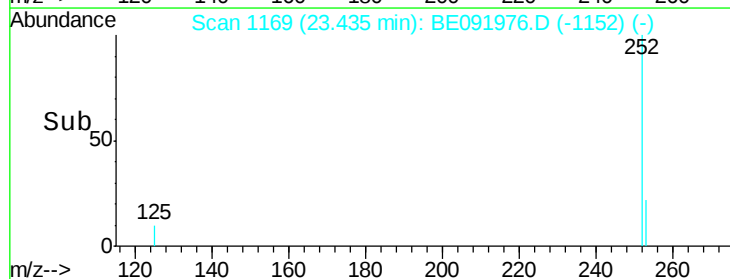
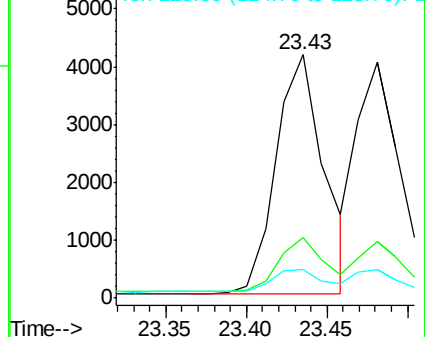
125 12.0 9.4 14.2

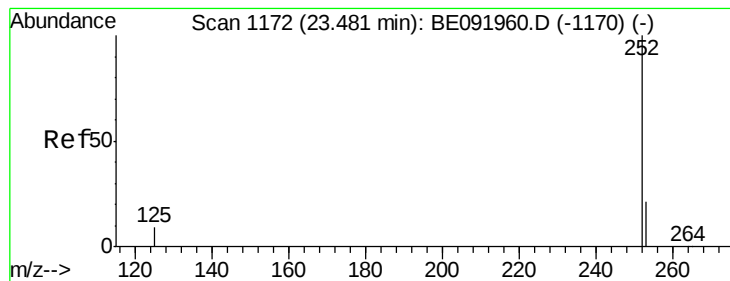


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#42

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 23.48 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

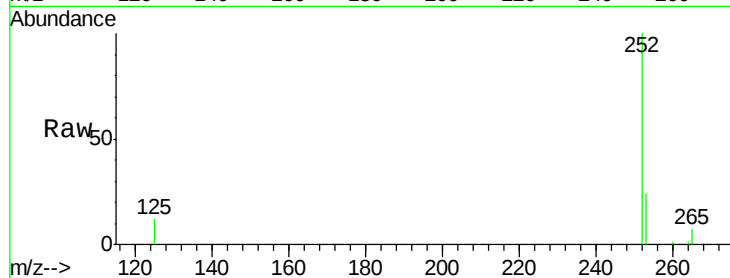
Tgt Ion:252 Resp: 7963

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

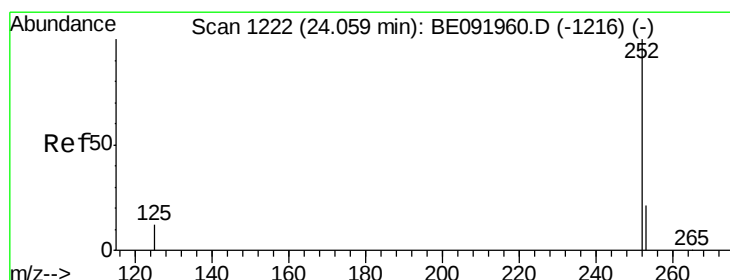
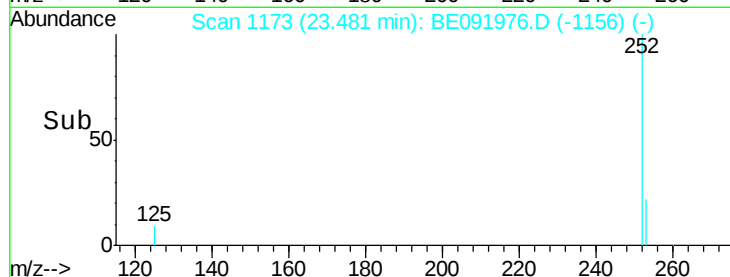
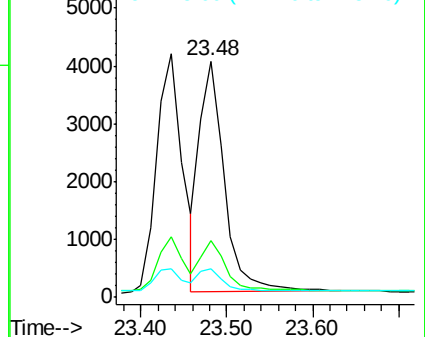
125 12.0 8.3 12.5



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



#43

Benzo(a)pyrene

Concen: 0.13 ng

RT: 24.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

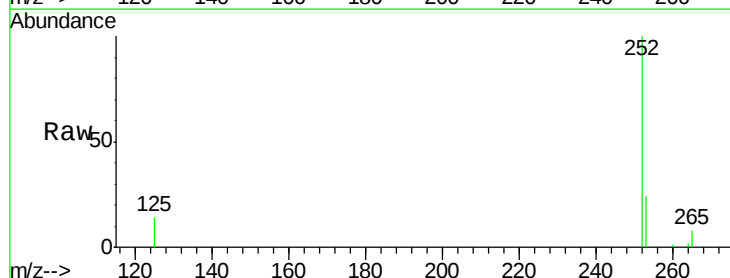
Tgt Ion:252 Resp: 7751

Ion Ratio Lower Upper

252 100

253 24.2 18.9 28.3

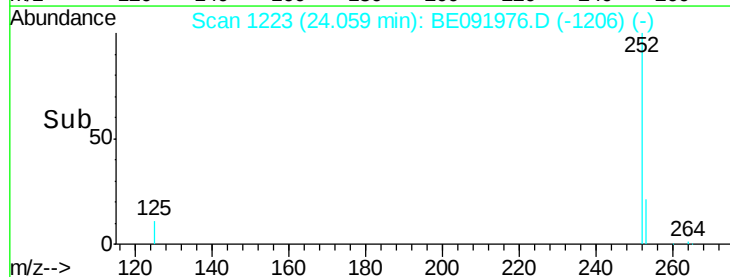
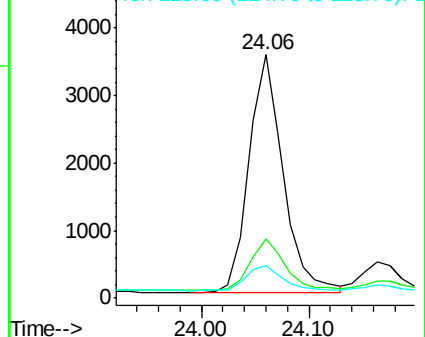
125 13.5 10.5 15.7

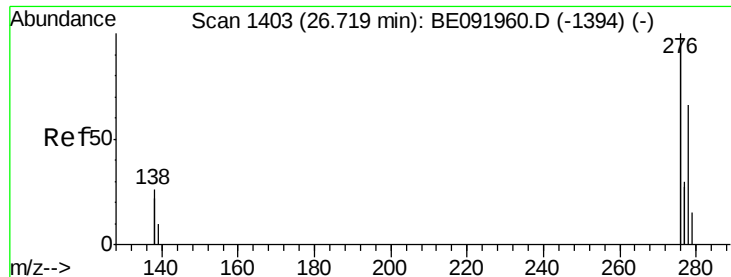


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#44

Dibenzo(a,h)anthracene

Concen: 0.12 ng

RT: 26.72 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL2016-02

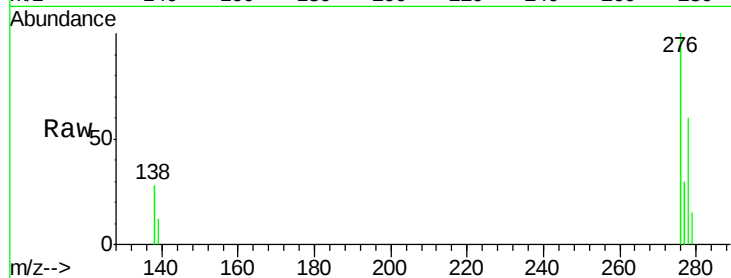
Tgt Ion:278 Resp: 6984

Ion Ratio Lower Upper

278 100

139 19.7 12.6 18.8#

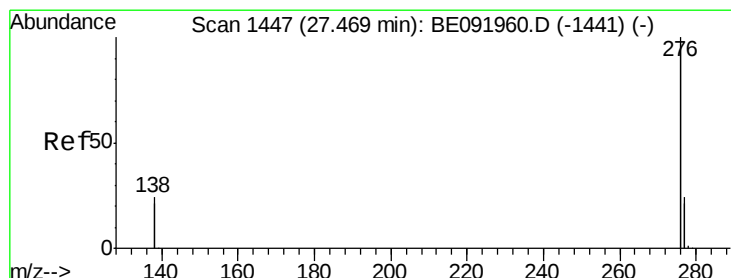
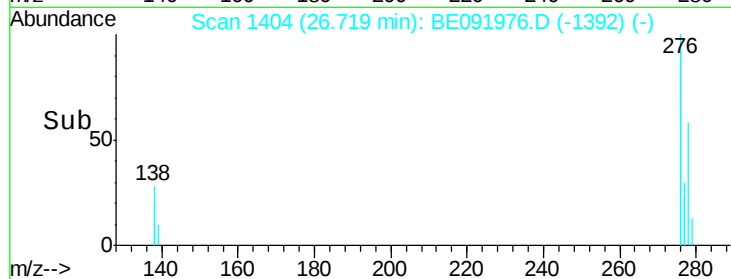
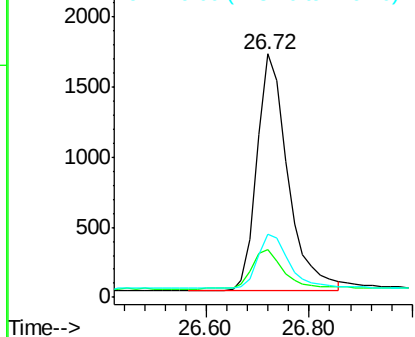
279 25.9 20.0 30.0



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



#45

Benzo(g,h,i)perylene

Concen: 0.13 ng

RT: 27.47 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BE091976.D

Acq: 6 Jul 2016 00:16

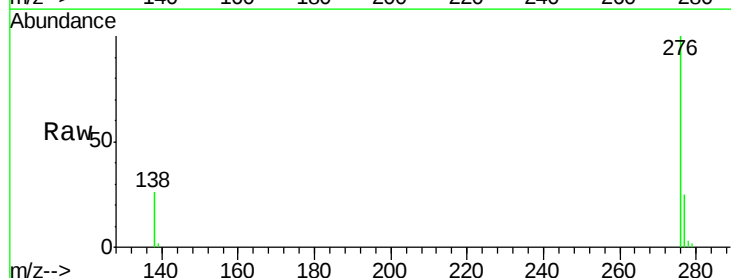
Tgt Ion:276 Resp: 30436

Ion Ratio Lower Upper

276 100

277 24.5 19.5 29.3

138 25.6 17.7 26.5



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

