

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
 Data File : BE092625.D
 Acq On : 27 Dec 2016 17:55
 Operator : UM/SJ
 Sample : H6103-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Quant Time: Dec 28 01:25:59 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 19 16:16:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10723	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	43543	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24893	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	45271	5.00	ng	0.00
24) Chrysene-d12	21.72	240	48715	5.00	ng	0.00
31) Perylene-d12	24.08	264	45832	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	19519	9.38	ng	-0.04
5) Phenol-d6	7.31	99	25024	7.95	ng	-0.07
8) Nitrobenzene-d5	9.32	82	11860	3.97	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	3866	5.43	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	26928	4.52	ng	-0.01
26) Terphenyl-d14	20.16	244	27613	4.62	ng	-0.02

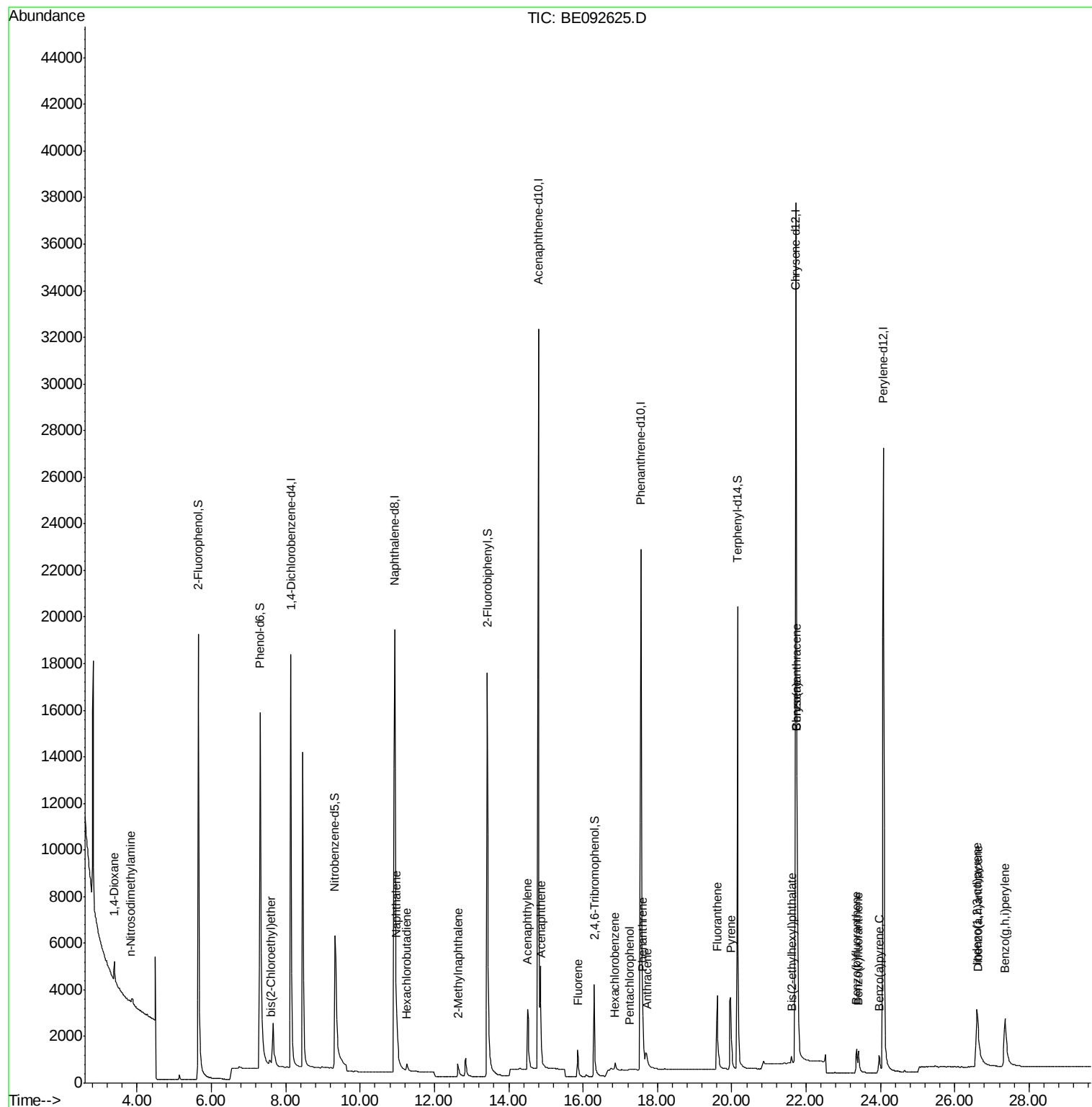
Target Compounds						Qvalue
2) 1,4-Dioxane	3.39	88	528	0.27	ng	# 1
3) n-Nitrosodimethylamine	3.83	42	102	0.25	ng	# 35
6) bis(2-Chloroethyl)ether	7.59	93	441	0.25	ng	# 25
9) Naphthalene	10.97	128	1605	0.18	ng	# 87
10) Hexachlorobutadiene	11.26	225	241	0.18	ng	93
11) 2-Methylnaphthalene	12.64	142	861	0.15	ng	97
15) Acenaphthylene	14.51	152	5850	0.17	ng	100
16) Acenaphthene	14.87	154	1048	0.19	ng	92
17) Fluorene	15.86	166	1078	0.15	ng	96
19) Hexachlorobenzene	16.86	284	1562	0.81	ng	# 25
20) Pentachlorophenol	17.26	266	43	0.17	ng	# 78
21) Phenanthrene	17.60	178	1916	0.17	ng	# 76
22) Anthracene	17.72	178	1552	0.15	ng	# 74
23) Fluoranthene	19.61	202	6936	0.14	ng	98
25) Pyrene	19.97	202	7030	0.16	ng	100
27) Benzo(a)anthracene	21.75	228	15766	0.36	ng	# 86
28) Chrysene	21.75	228	15872	0.31	ng	# 89
29) Bis(2-ethylhexyl)phthalate	21.61	149	527	0.18	ng	# 78
30) Indeno(1,2,3-cd)pyrene	26.60	276	8166	0.18	ng	98
32) Benzo(b)fluoranthene	23.36	252	1647	0.16	ng	# 87
33) Benzo(k)fluoranthene	23.40	252	1992	0.17	ng	# 88
34) Benzo(a)pyrene	23.97	252	1564	0.15	ng	# 82
35) Dibenzo(a,h)anthracene	26.62	278	1599	0.17	ng	# 73
36) Benzo(g,h,i)perylene	27.35	276	7626	0.18	ng	# 85

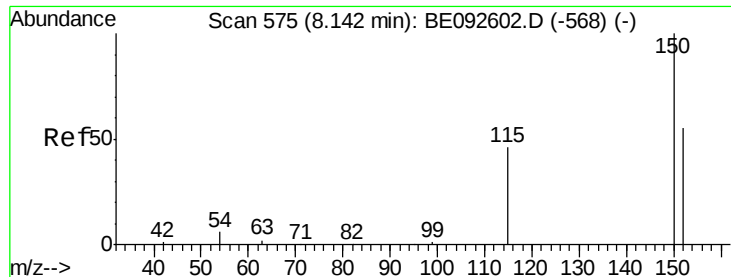
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

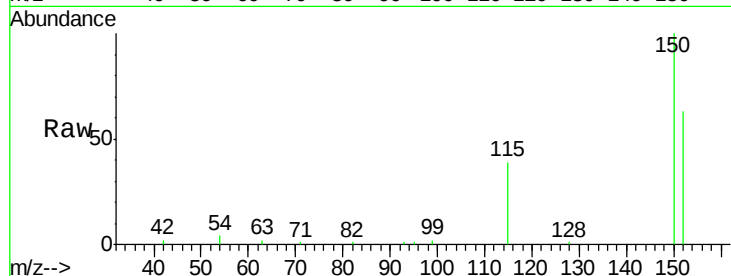
Tgt Ion:152 Resp: 10723

Ion Ratio Lower Upper

152 100

150 159.2 106.0 159.0#

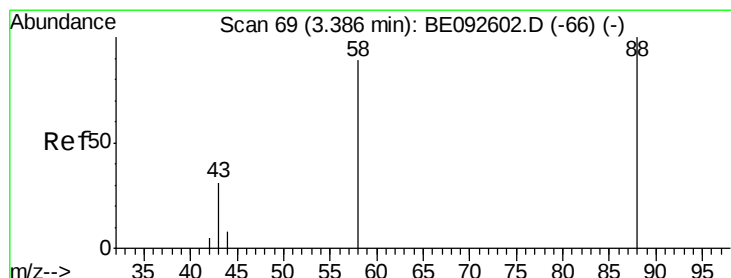
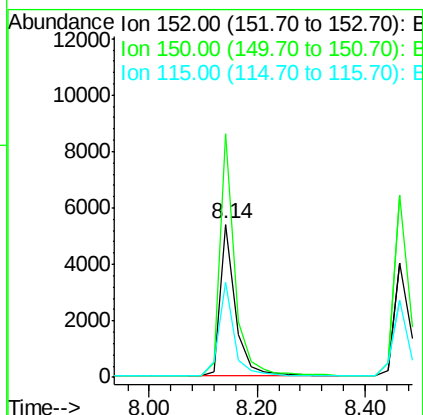
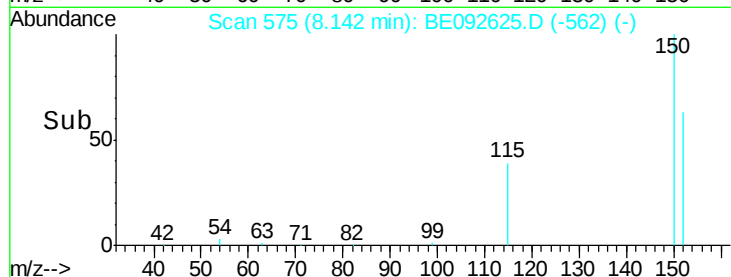
115 61.9 31.2 46.8#



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: 0.27 ng

RT: 3.39 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

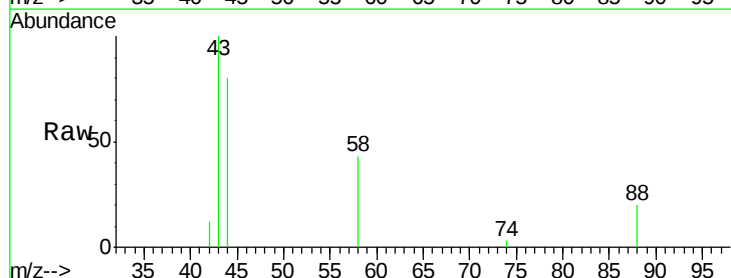
Tgt Ion: 88 Resp: 528

Ion Ratio Lower Upper

88 100

58 225.9 63.6 95.4#

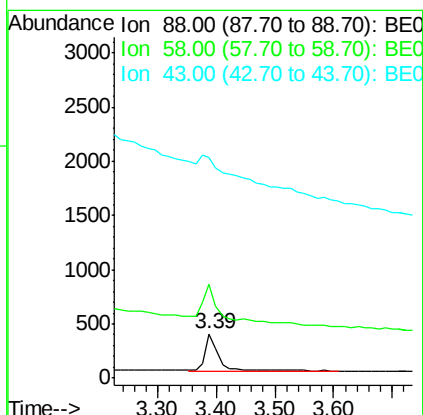
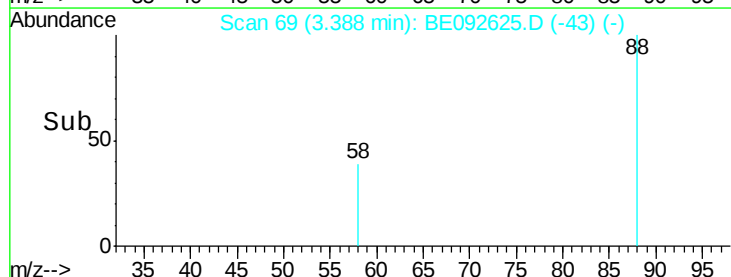
43 0.0 28.0 42.0#

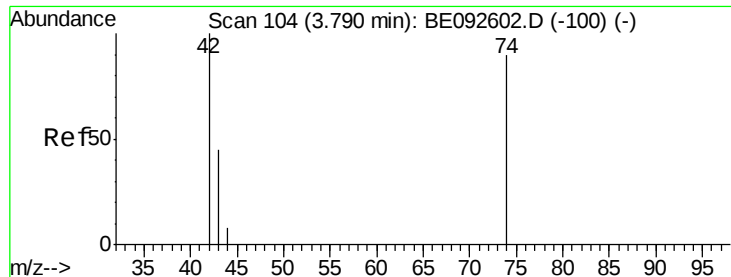


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.25 ng

RT: 3.83 min Scan# 107

Delta R.T. 0.04 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

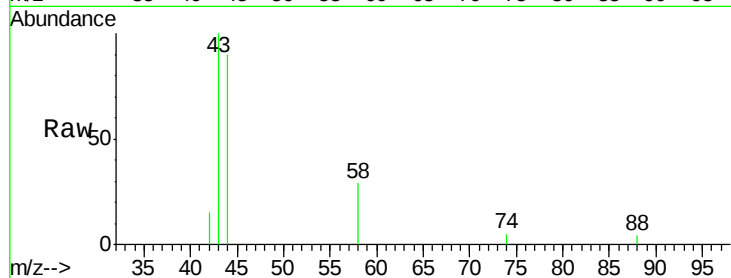
Tgt Ion: 42 Resp: 102

Ion Ratio Lower Upper

42 100

74 178.4 86.0 129.0#

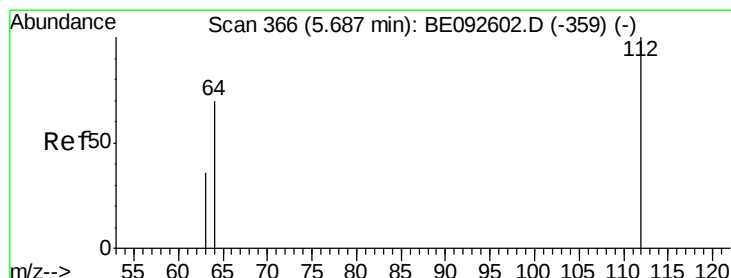
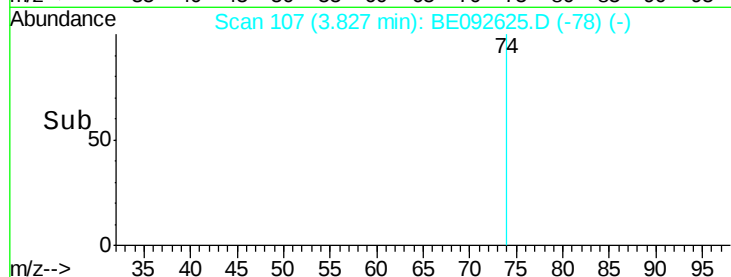
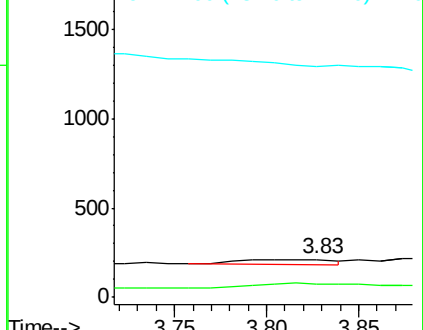
44 0.0 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 9.38 ng

RT: 5.65 min Scan# 359

Delta R.T. -0.04 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

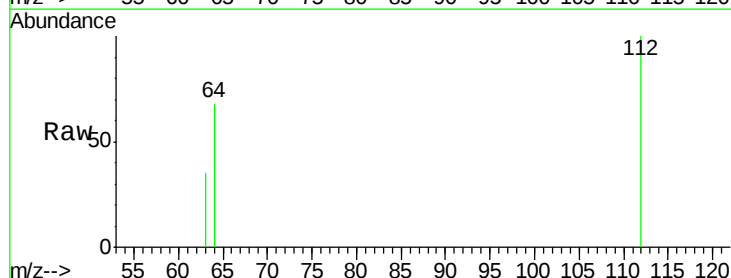
Tgt Ion: 112 Resp: 19519

Ion Ratio Lower Upper

112 100

64 68.7 53.5 80.3

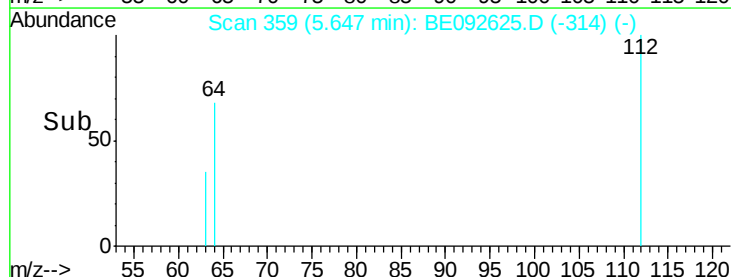
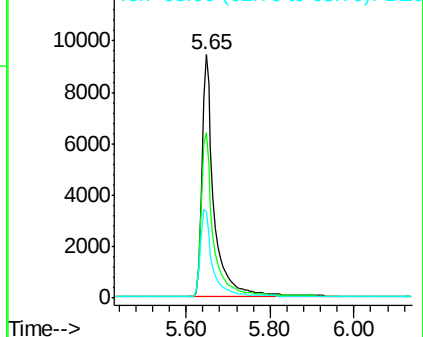
63 36.8 27.9 41.9

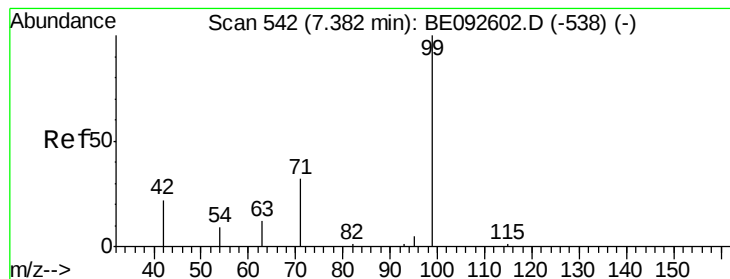


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.95 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.07 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

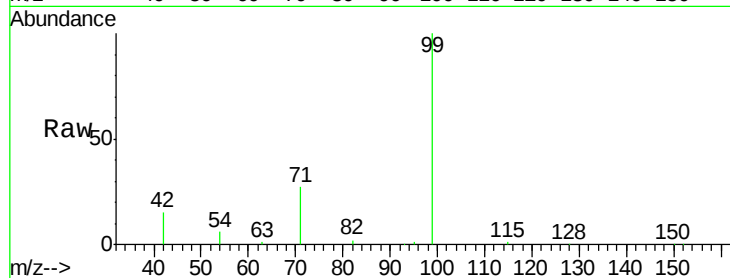
Tgt Ion: 99 Resp: 25024

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

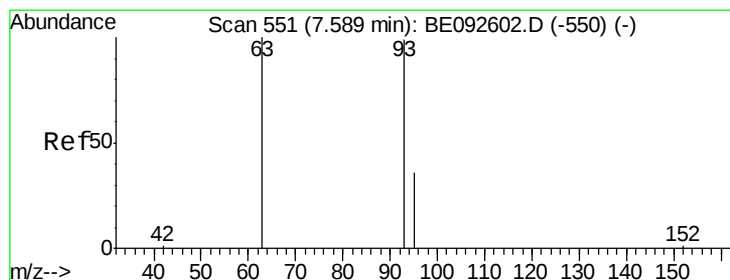
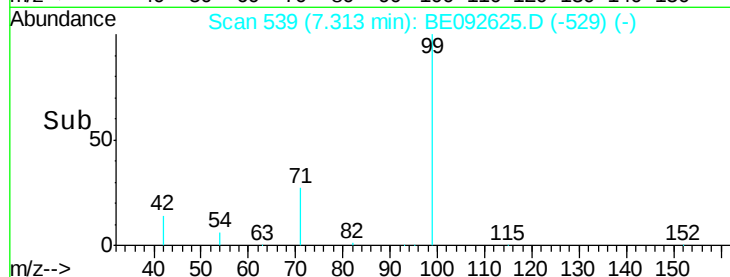
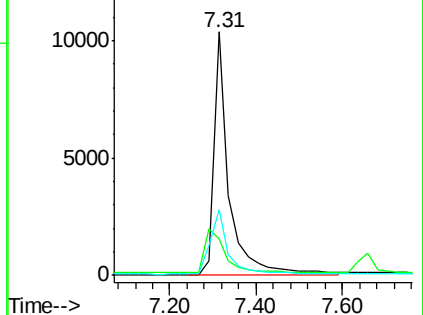
71 33.1 30.6 45.8



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: 0.25 ng

RT: 7.59 min Scan# 551

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

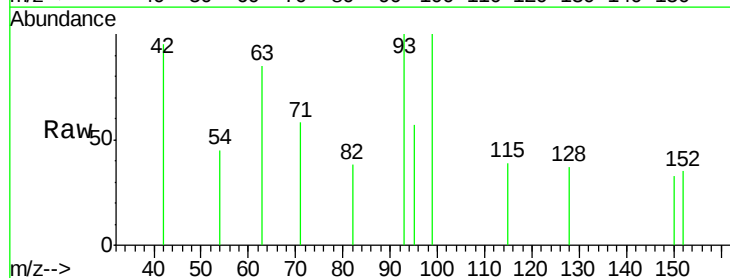
Tgt Ion: 93 Resp: 441

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

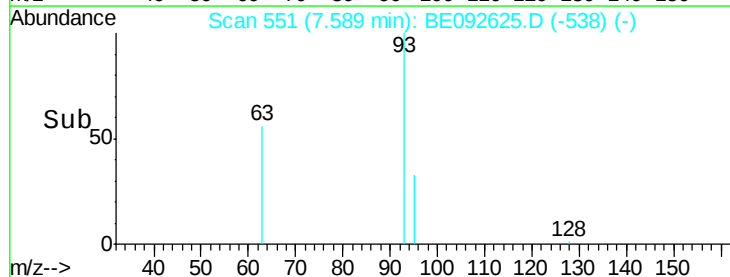
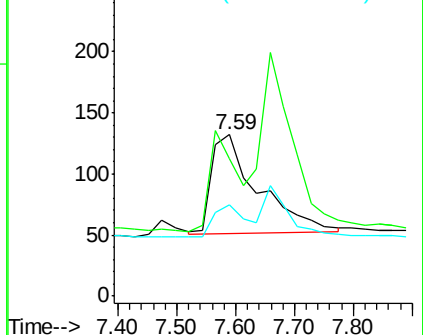
95 22.0 24.0 36.0#

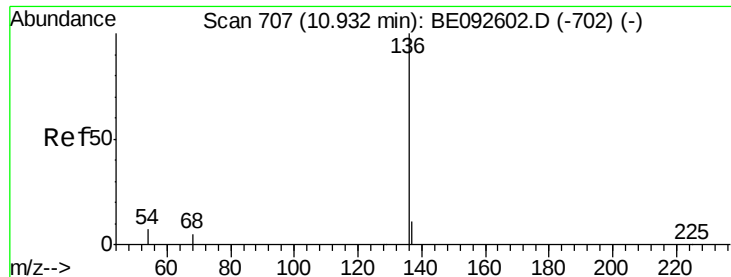


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

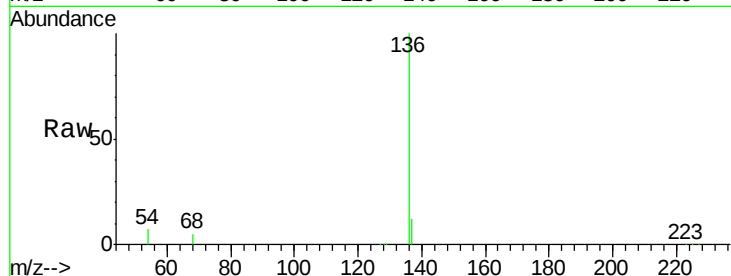
Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:	136	Resp:	43543
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	6.8	9.6	14.4#
68	5.0	6.7	10.1#

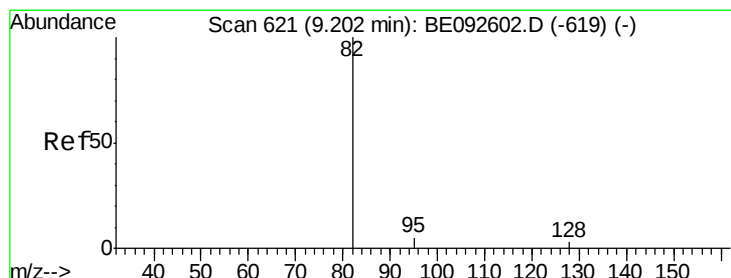
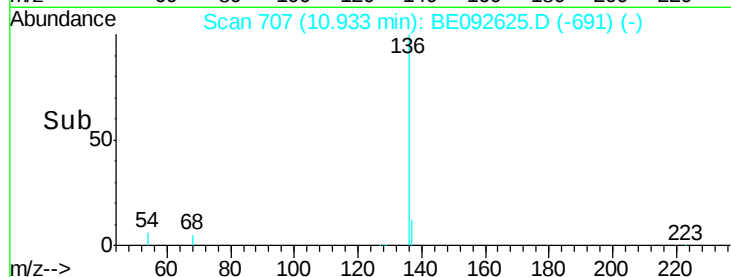
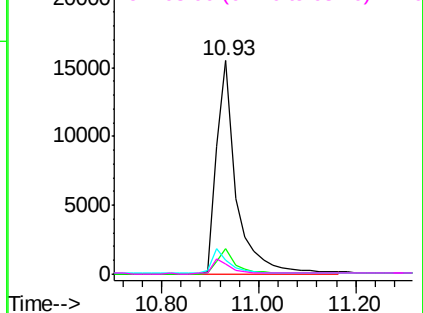


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.97 ng

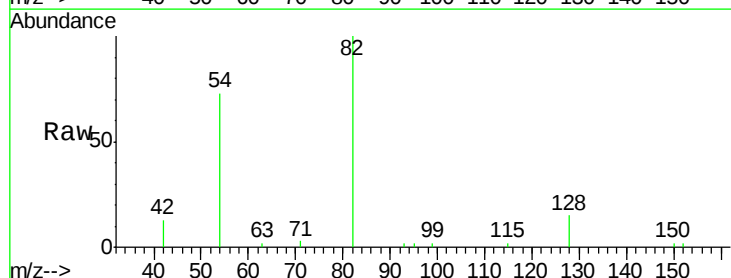
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

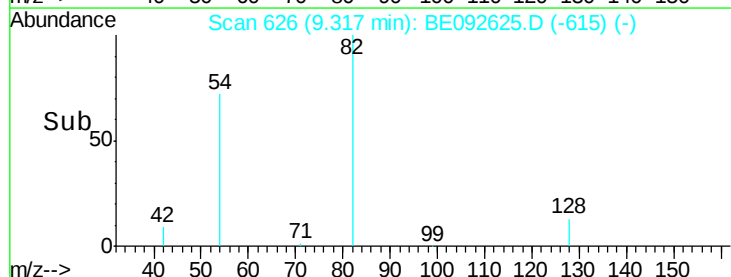
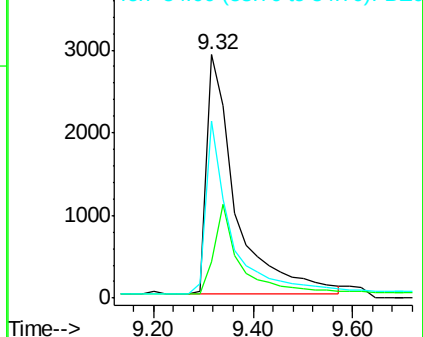
Tgt Ion:	82	Resp:	11860
Ion	Ratio	Lower	Upper
82	100		
128	14.7	39.0	58.4#
54	72.9	44.8	67.2#

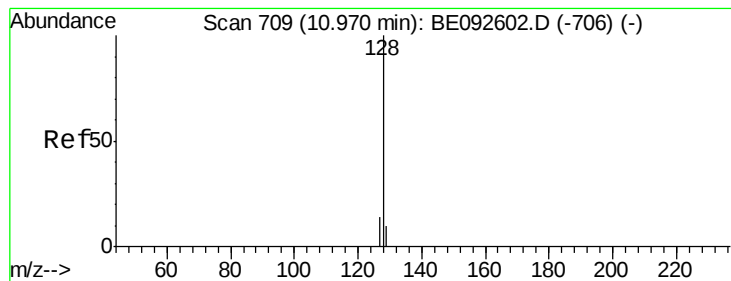


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.18 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

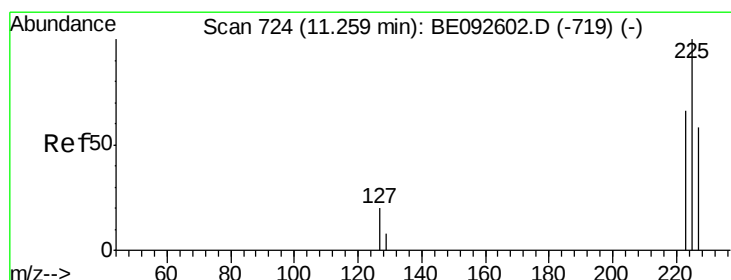
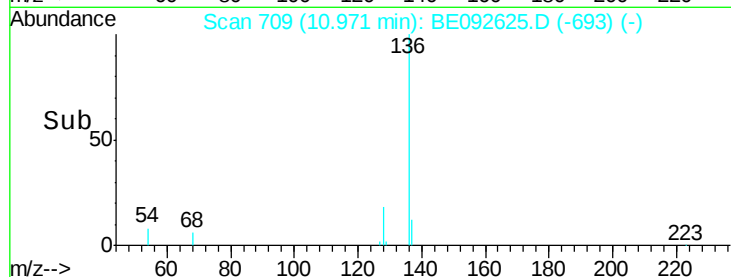
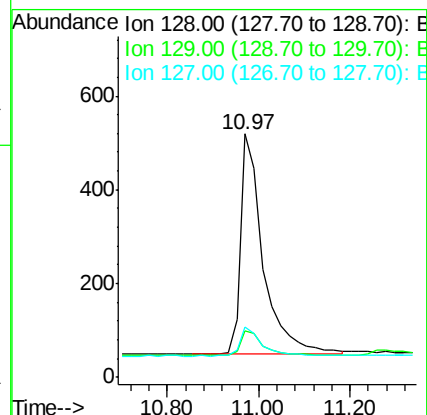
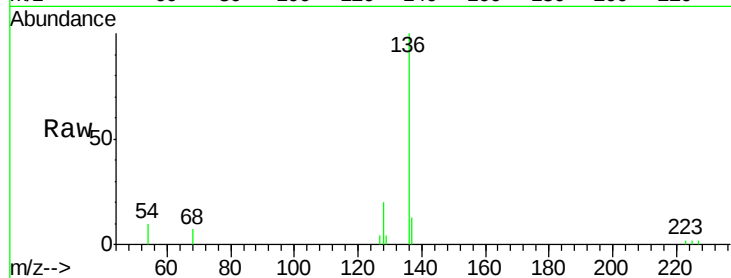
Tgt Ion:128 Resp: 1605

Ion Ratio Lower Upper

128 100

129 18.9 11.2 16.8#

127 20.6 11.6 17.4#



#10

Hexachlorobutadiene

Concen: 0.18 ng

RT: 11.26 min Scan# 724

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

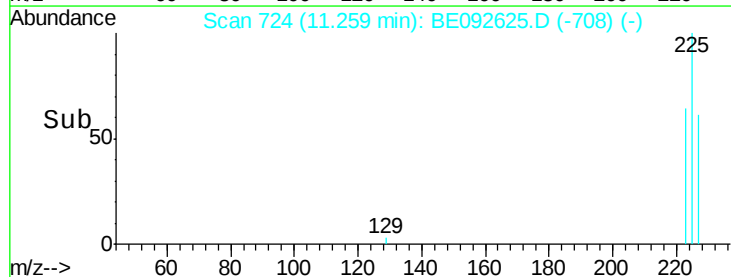
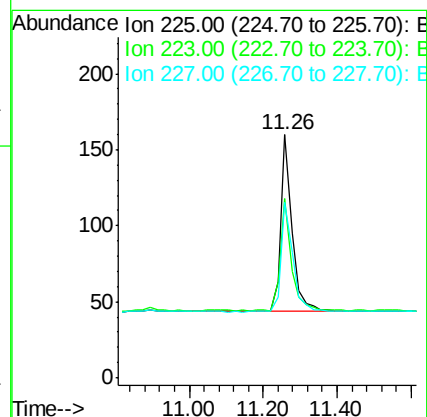
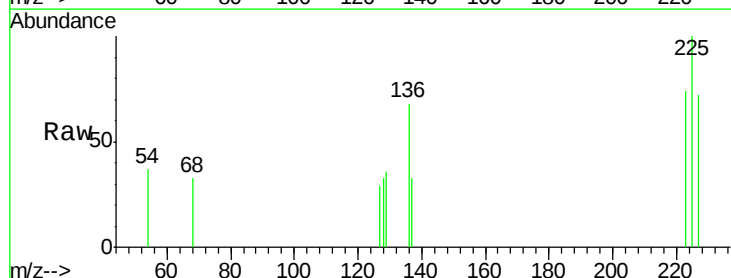
Tgt Ion:225 Resp: 241

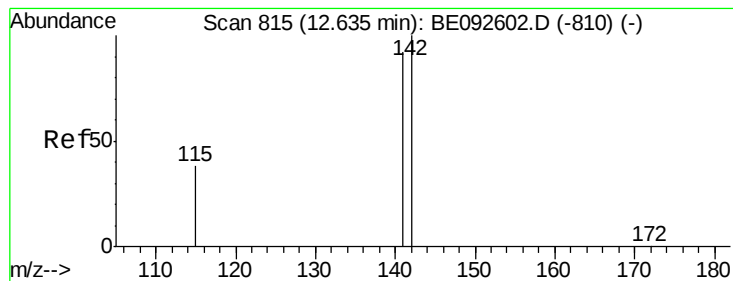
Ion Ratio Lower Upper

225 100

223 67.6 50.6 76.0

227 71.0 51.4 77.0





#11

2-Methylnaphthalene

Concen: 0.15 ng

RT: 12.64 min Scan# 815

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

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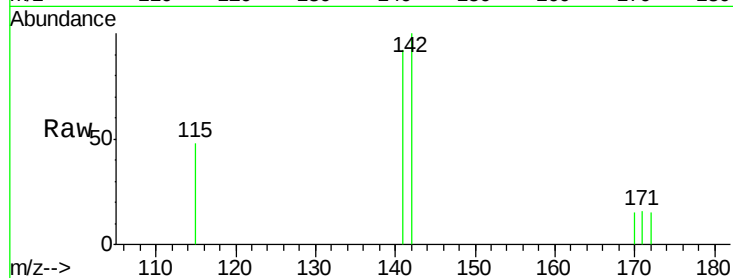
Tgt Ion:142 Resp: 861

Ion Ratio Lower Upper

142 100

141 91.6 73.7 110.5

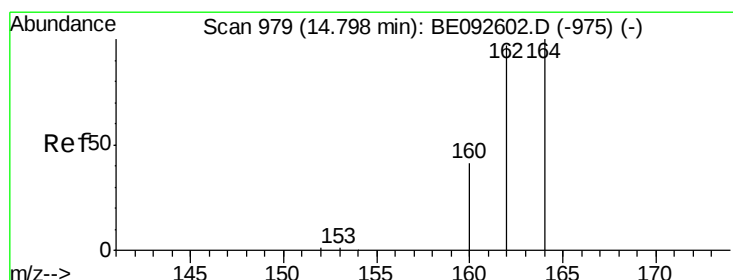
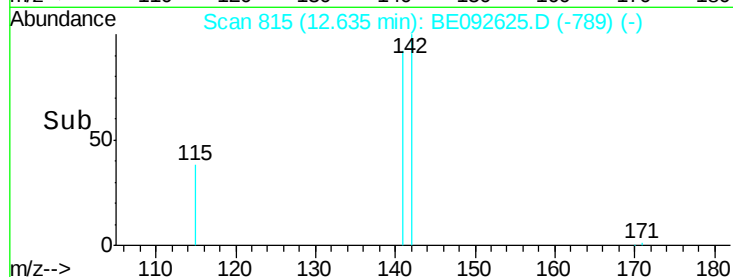
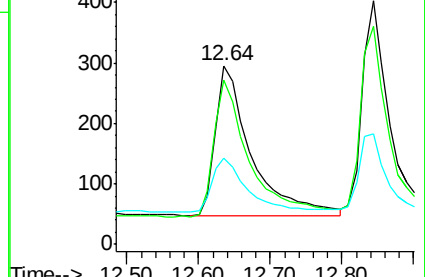
115 48.3 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

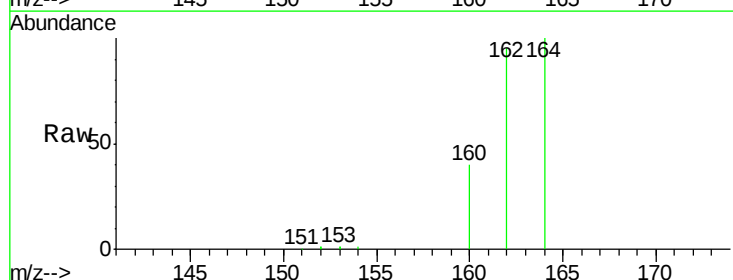
Tgt Ion:164 Resp: 24893

Ion Ratio Lower Upper

164 100

162 95.3 71.4 107.0

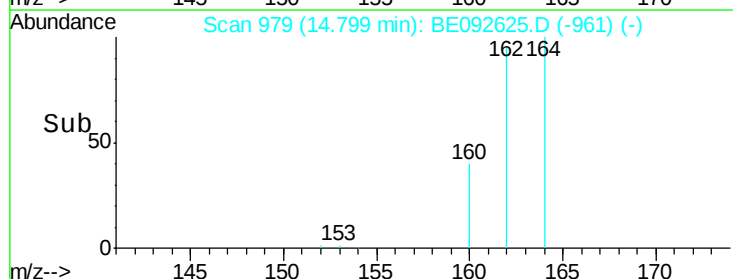
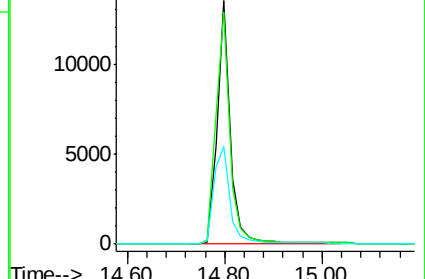
160 40.2 27.4 41.2

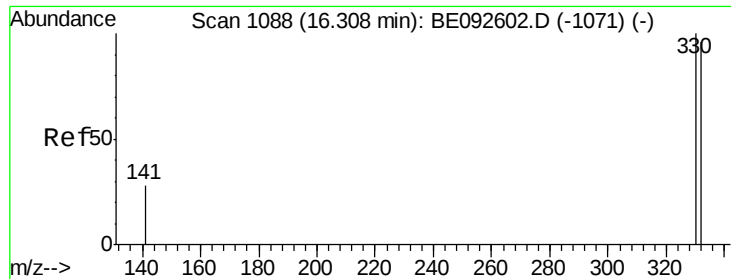


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

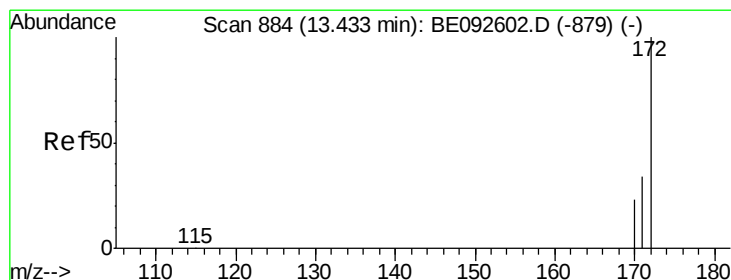
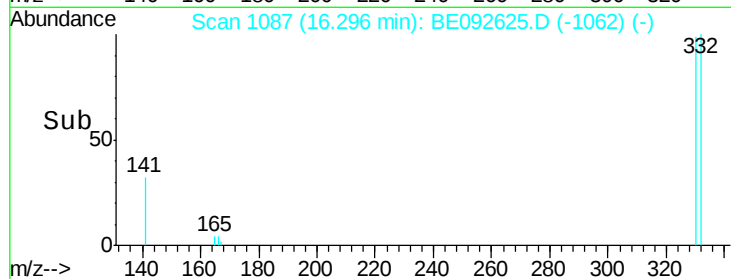
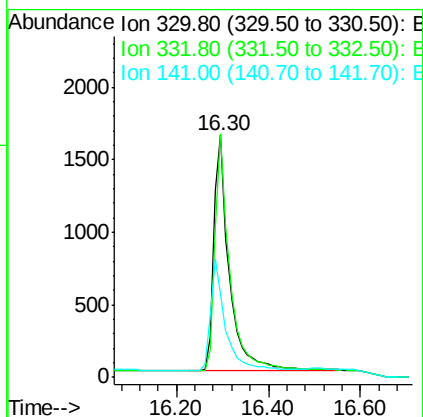
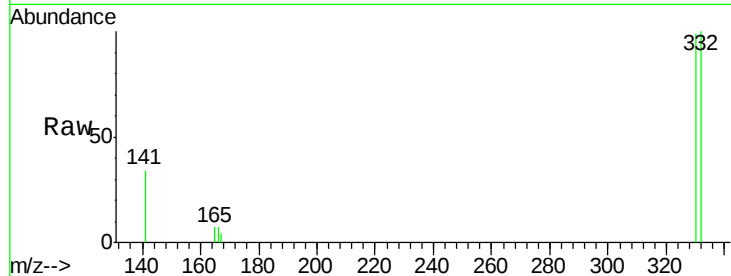




#13
 2,4,6-Tribromophenol
 Concen: 5.43 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

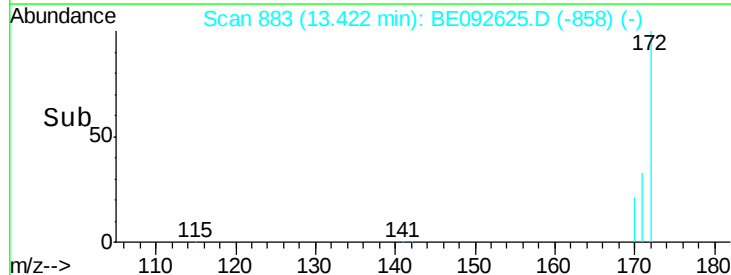
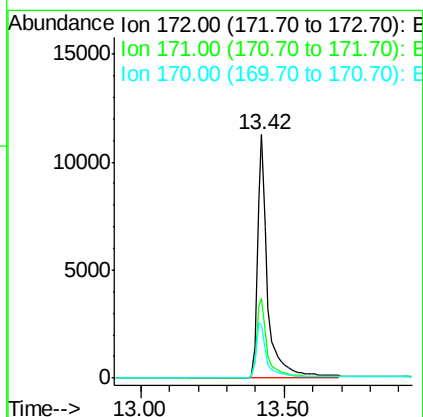
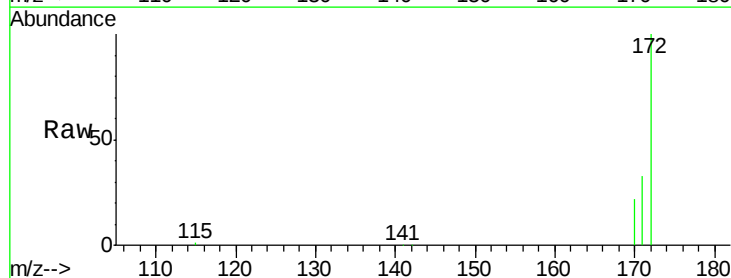
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

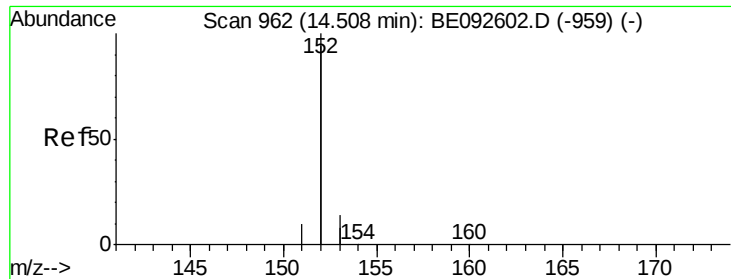
Tgt Ion: 330 Resp: 3866
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 45.1 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.52 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

Tgt Ion: 172 Resp: 26928
 Ion Ratio Lower Upper
 172 100
 171 32.9 30.1 45.1
 170 21.6 21.8 32.6#





#15

Acenaphthylene

Concen: 0.17 ng

RT: 14.51 min Scan# 962

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

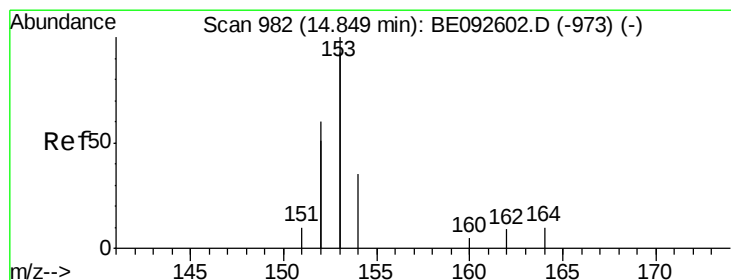
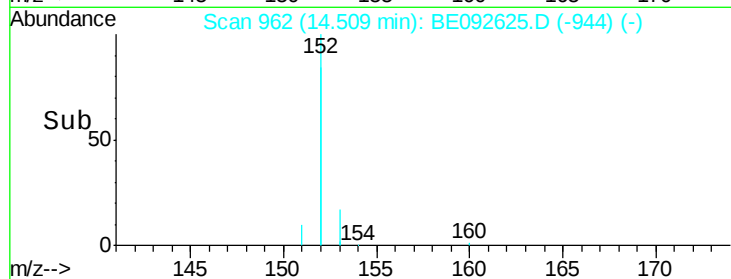
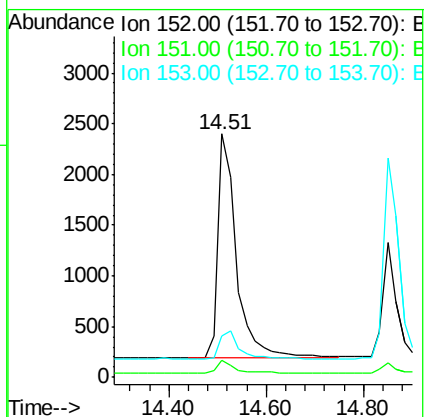
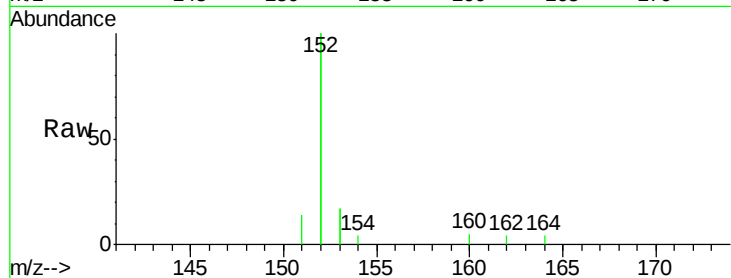
Tgt Ion:152 Resp: 5850

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 12.9 10.4 15.6



#16

Acenaphthene

Concen: 0.19 ng

RT: 14.87 min Scan# 983

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

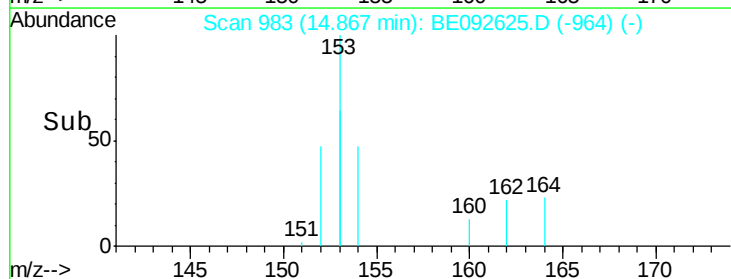
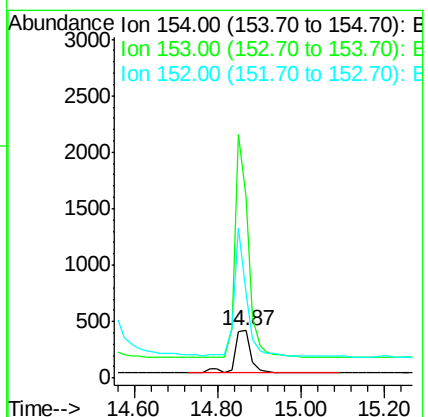
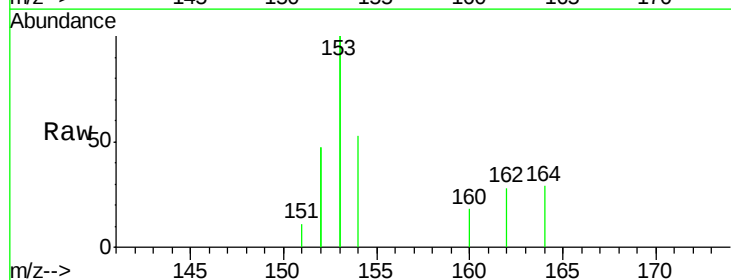
Tgt Ion:154 Resp: 1048

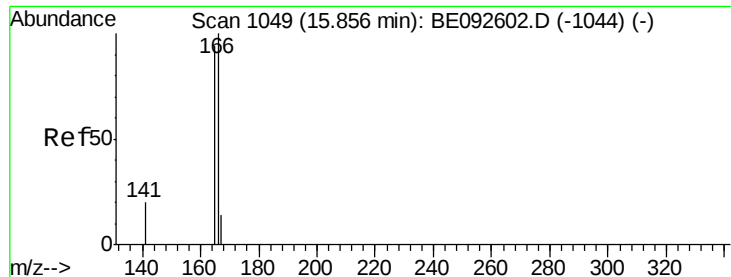
Ion Ratio Lower Upper

154 100

153 415.1 350.8 526.2

152 220.0 171.1 256.7

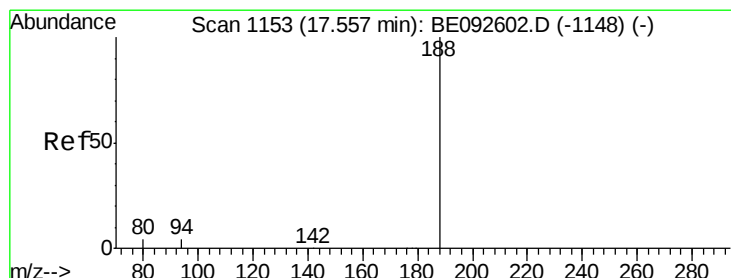
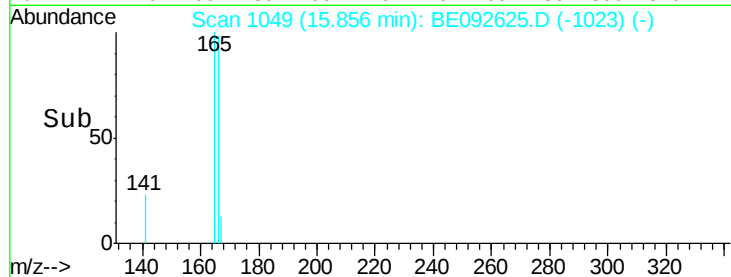
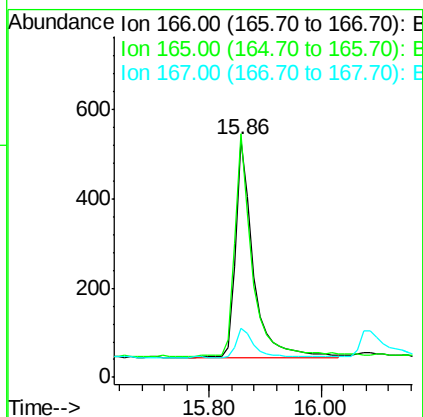
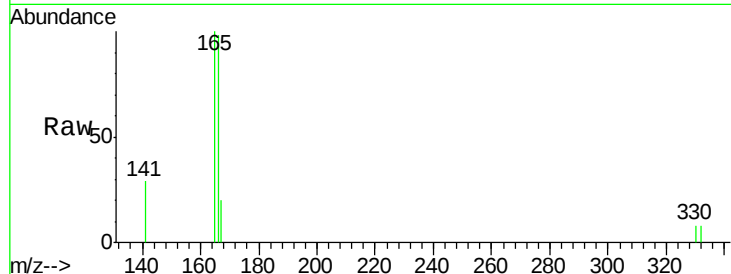




#17
Fluorene
 Concen: 0.15 ng
 RT: 15.86 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

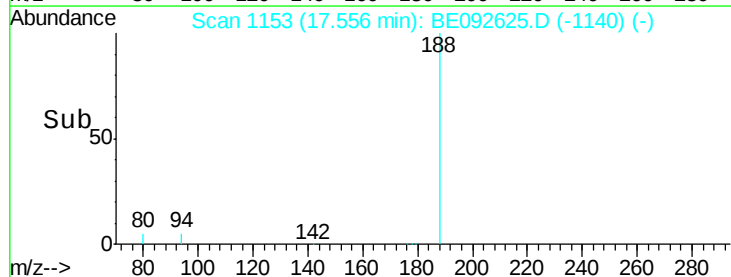
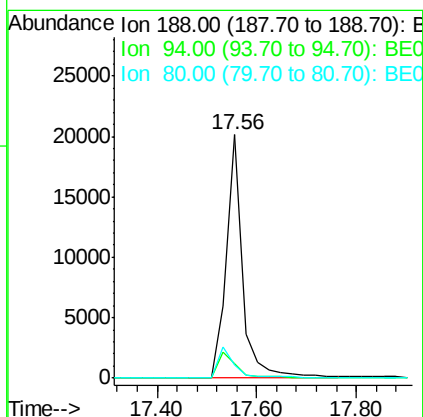
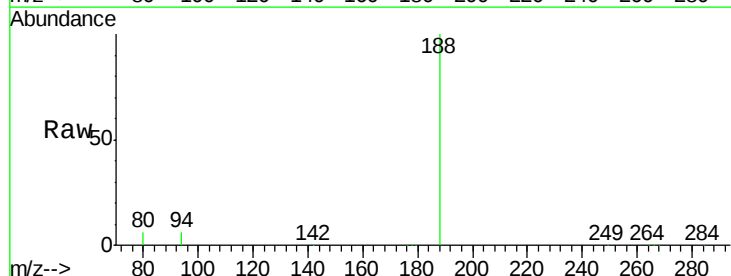
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

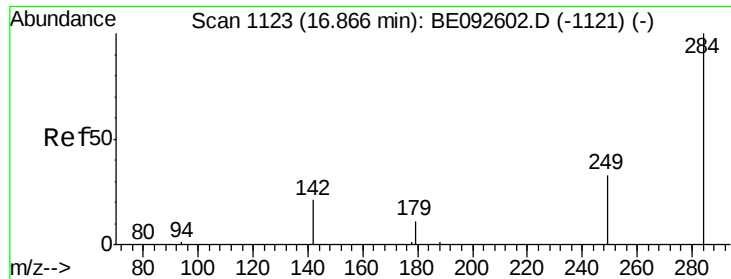
Tgt Ion:166 Resp: 1078
 Ion Ratio Lower Upper
 166 100
 165 102.1 78.2 117.4
 167 13.8 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

Tgt Ion:188 Resp: 45271
 Ion Ratio Lower Upper
 188 100
 94 5.7 3.2 4.8#
 80 5.5 2.6 3.8#

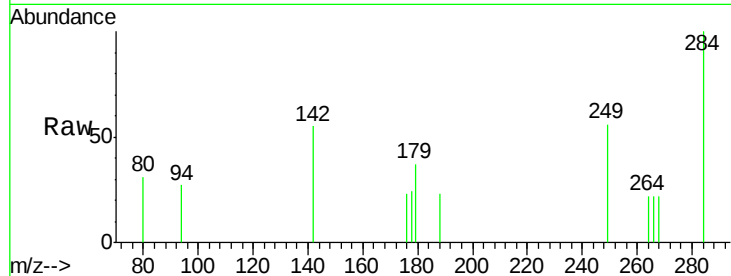




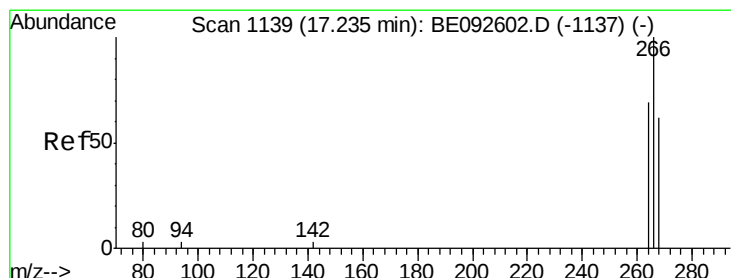
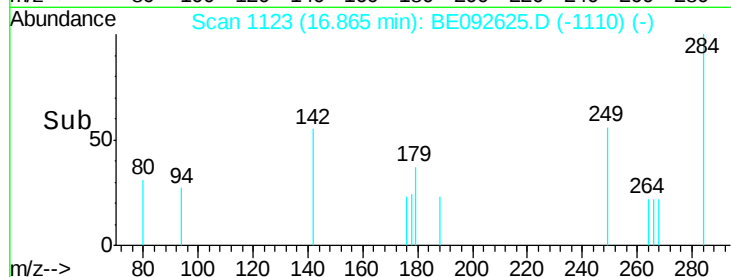
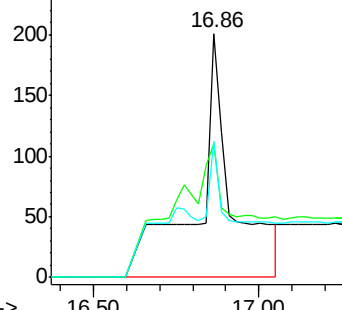
#19
Hexachlorobenzene
Concen: 0.81 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:284 Resp: 1562
Ion Ratio Lower Upper
284 100
142 107.6 29.1 43.7#
249 18.8 27.9 41.9#

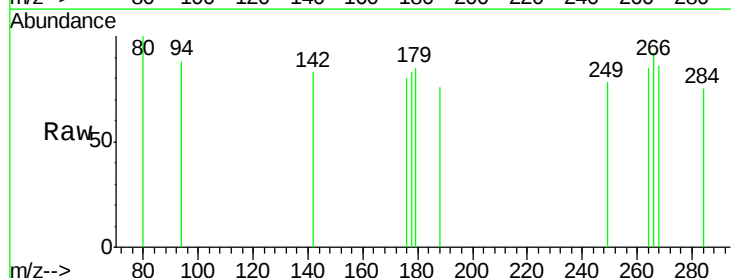


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

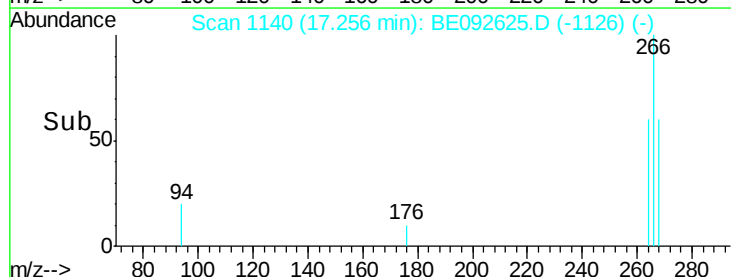
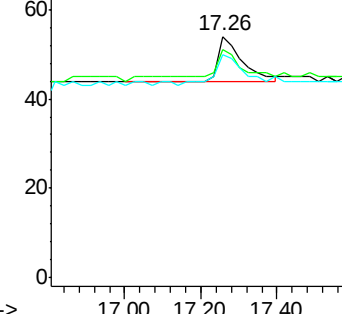


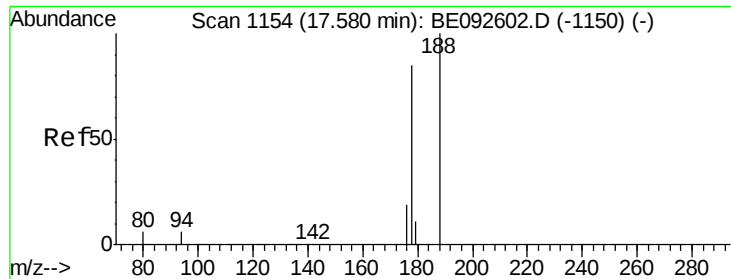
#20
Pentachlorophenol
Concen: 0.17 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092625.D
Acq: 27 Dec 2016 17:55

Tgt Ion:266 Resp: 43
Ion Ratio Lower Upper
266 100
268 94.4 62.5 93.7#
264 92.6 57.2 85.8#



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





#21

Phenanthrene

Concen: 0.17 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

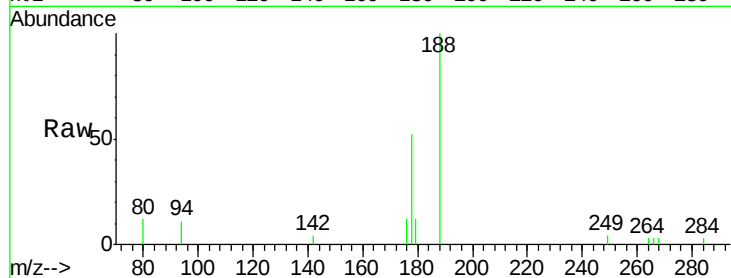
Tgt Ion:178 Resp: 1916

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

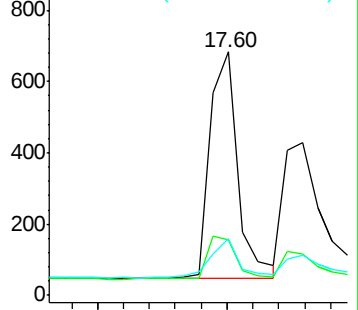
179 18.1 16.0 24.0



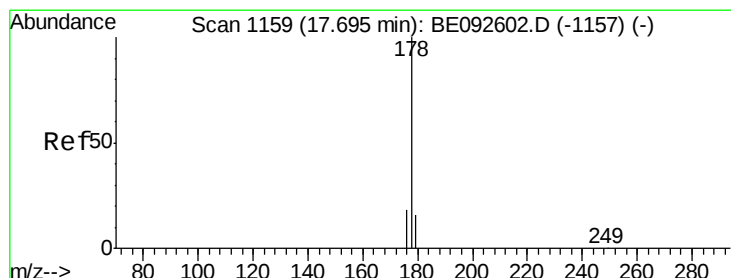
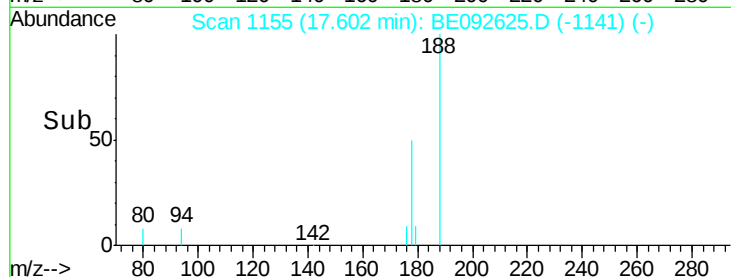
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Anthracene

Concen: 0.15 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

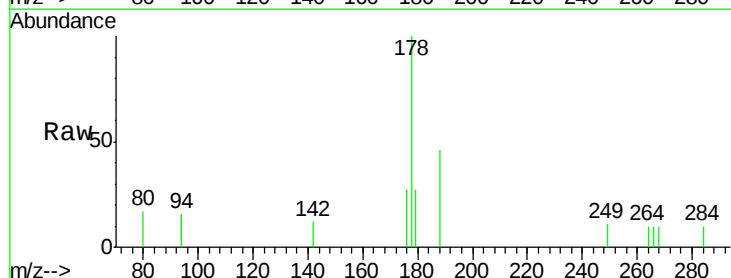
Tgt Ion:178 Resp: 1552

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

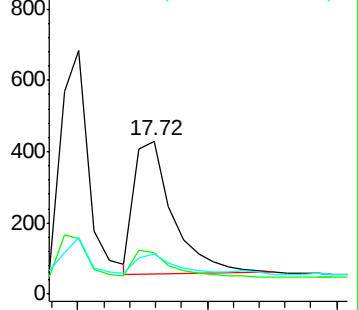
179 18.2 12.2 18.2



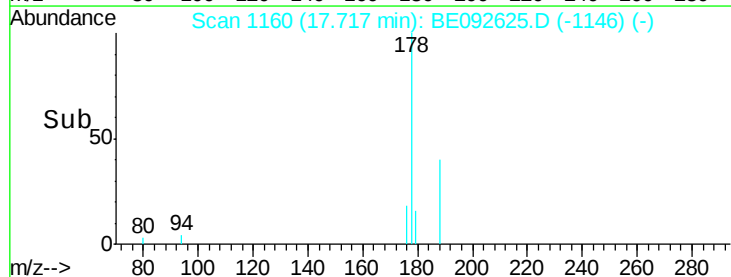
Abundance Ion 178.00 (177.70 to 178.70): E

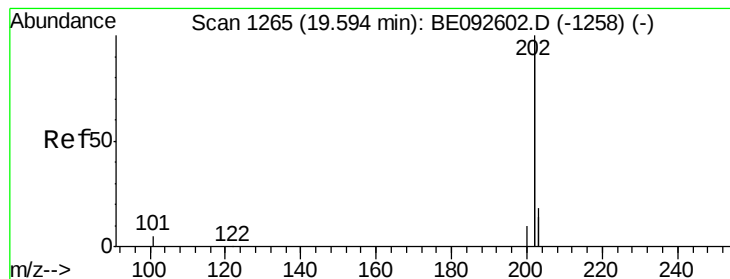
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#23

Fluoranthene

Concen: 0.14 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

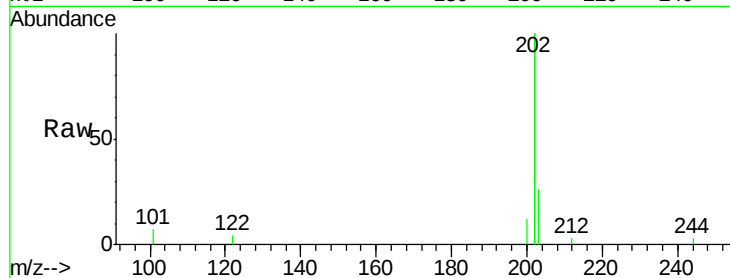
Tgt Ion: 202 Resp: 6936

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

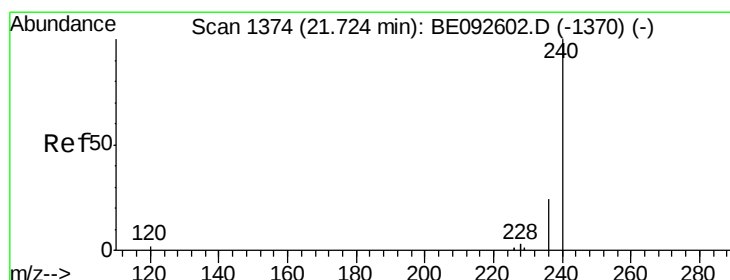
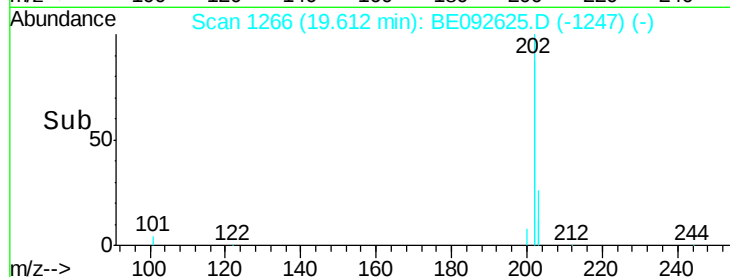
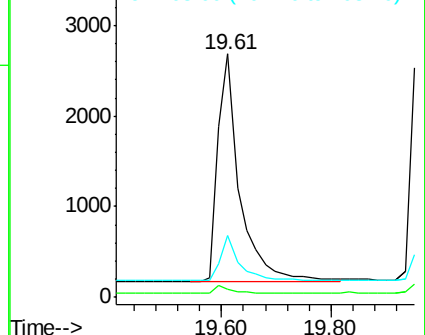
203 17.9 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

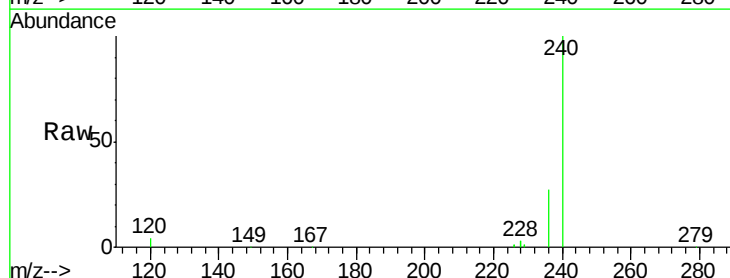
Tgt Ion: 240 Resp: 48715

Ion Ratio Lower Upper

240 100

120 4.0 2.6 4.0#

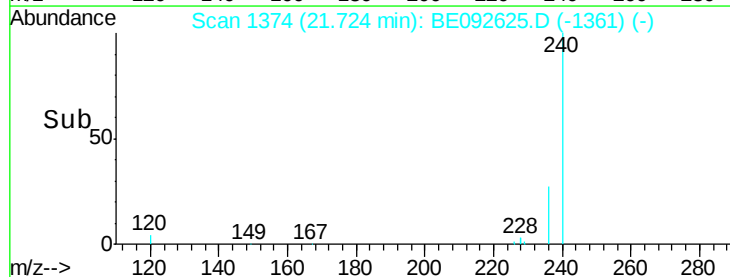
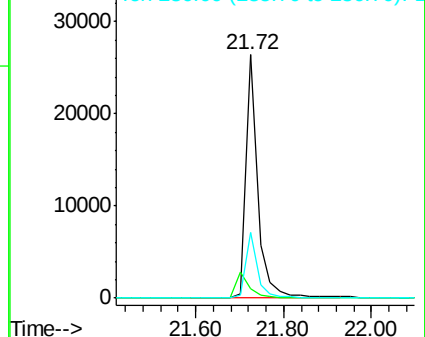
236 27.1 24.6 37.0

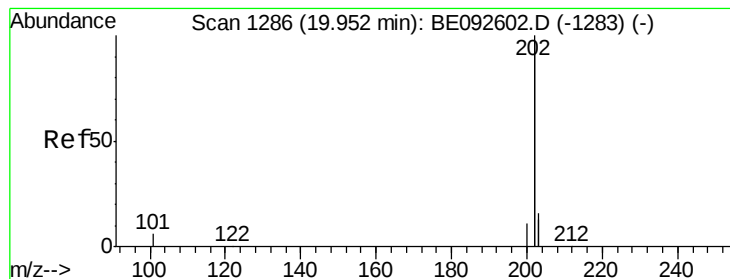


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 0.16 ng

RT: 19.97 min Scan# 1287

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

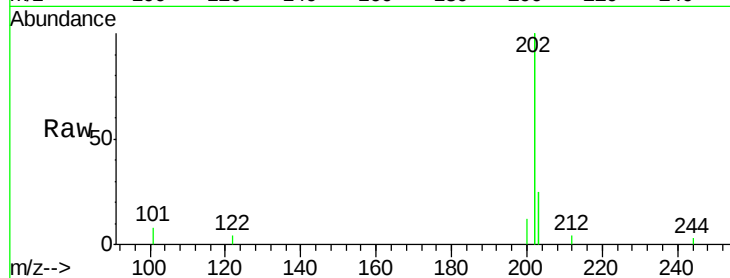
Tgt Ion:202 Resp: 7030

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

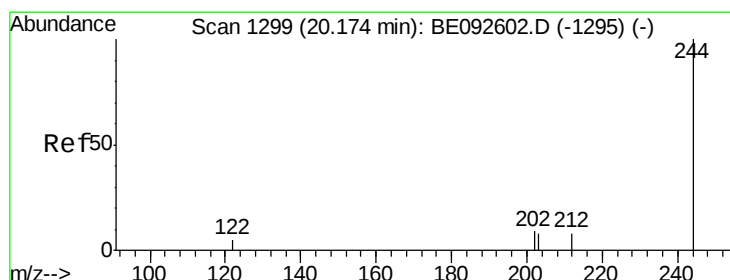
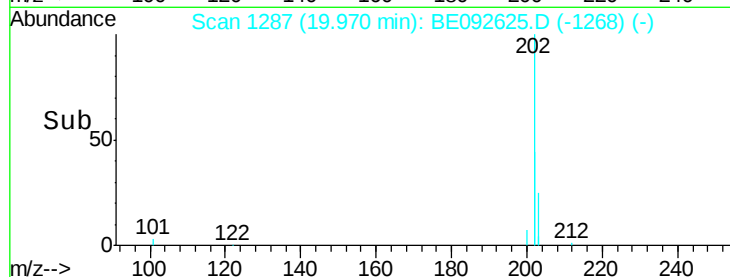
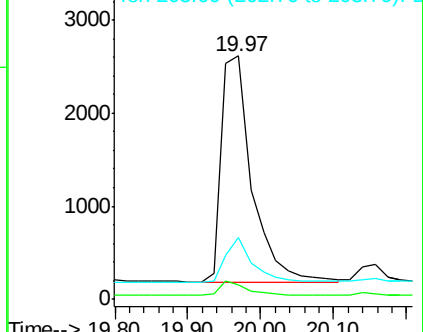
203 17.3 13.9 20.9



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



#26

Terphenyl-d14

Concen: 4.62 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

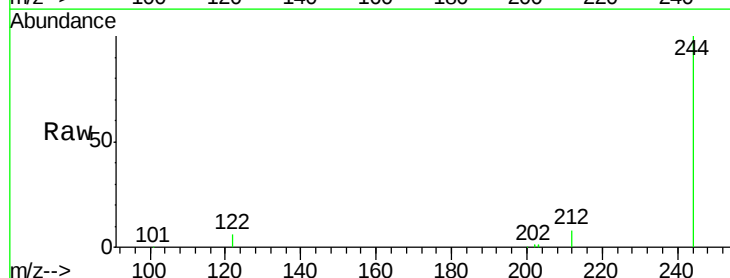
Tgt Ion:244 Resp: 27613

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

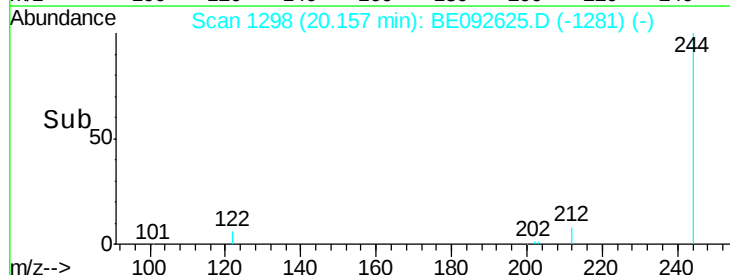
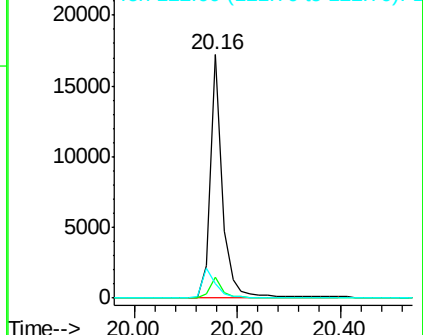
122 6.1 3.6 5.4#

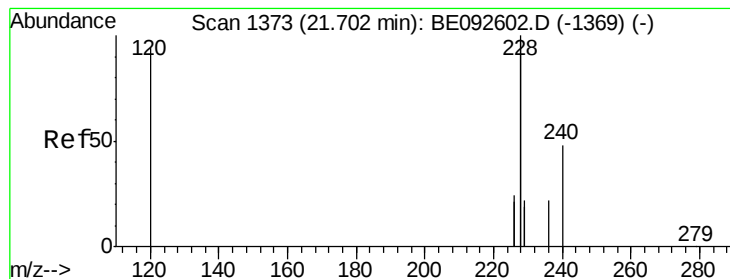


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.36 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.05 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

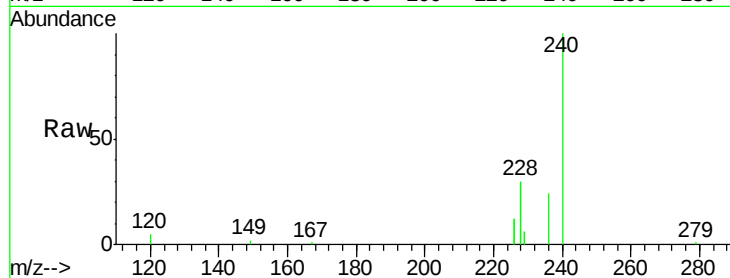
Tgt Ion:228 Resp: 15766

Ion Ratio Lower Upper

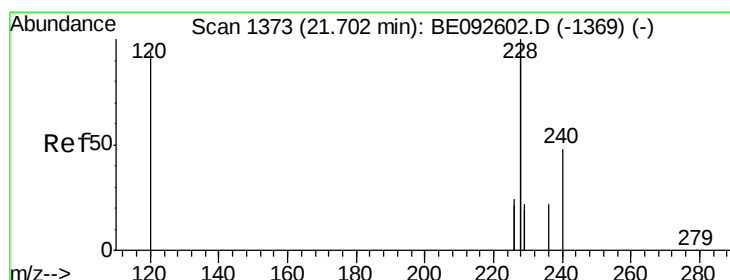
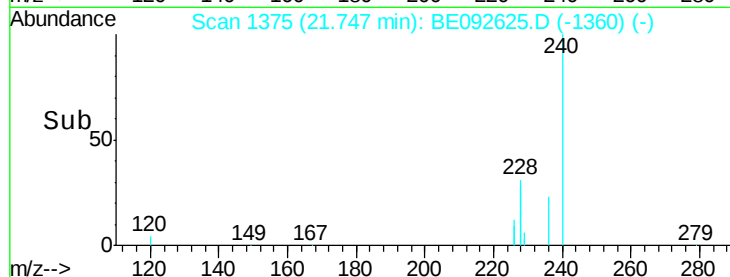
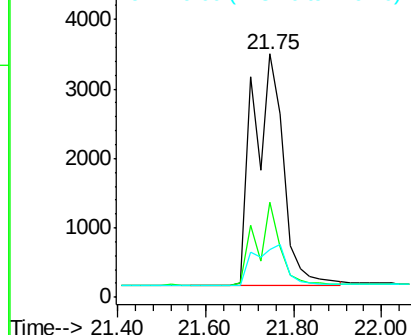
228 100

226 39.0 23.6 35.4#

229 19.4 13.3 19.9



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



#28

Chrysene

Concen: 0.31 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

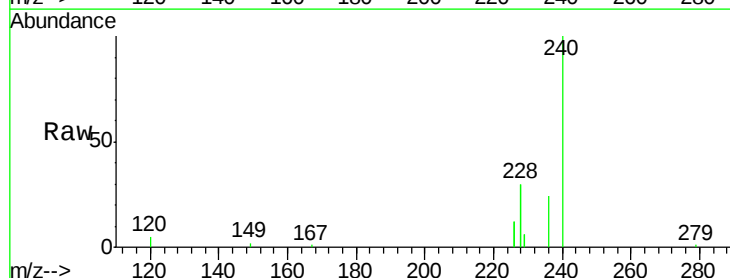
Tgt Ion:228 Resp: 15872

Ion Ratio Lower Upper

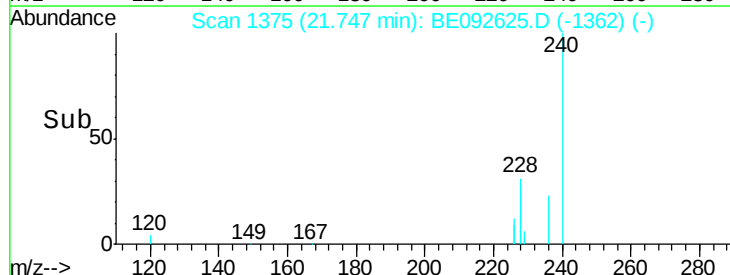
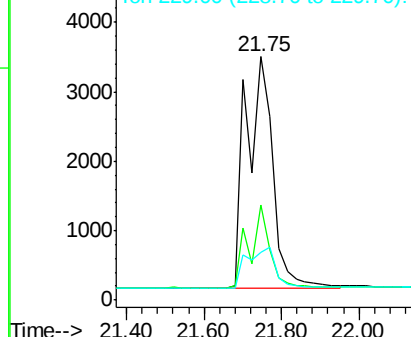
228 100

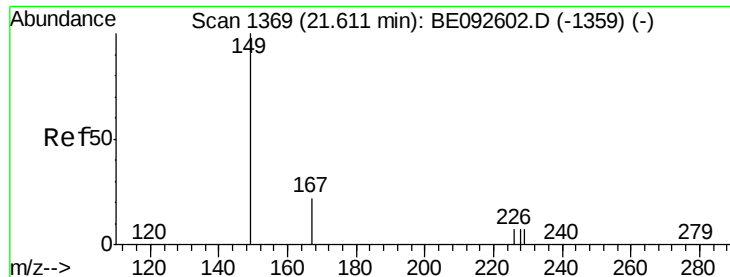
226 39.0 36.3 54.5

229 19.4 10.6 16.0#



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





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.18 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

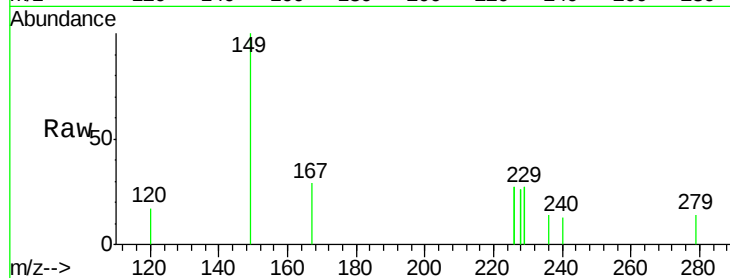
Tgt Ion:149 Resp: 527

Ion Ratio Lower Upper

149 100

167 20.3 16.0 24.0

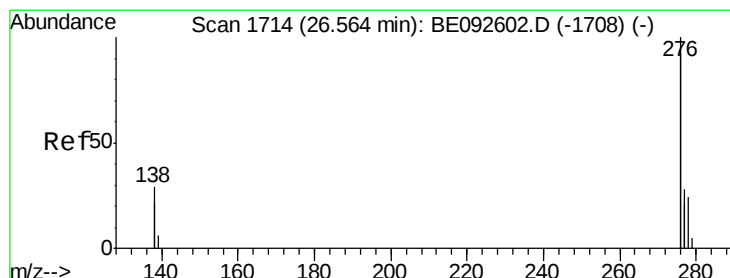
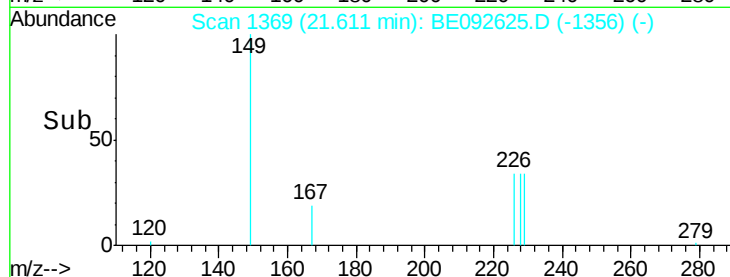
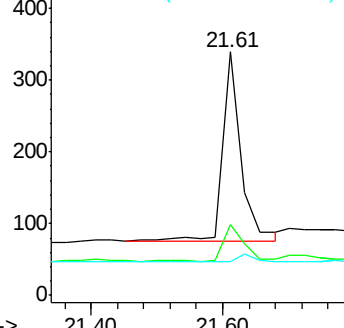
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.18 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.03 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

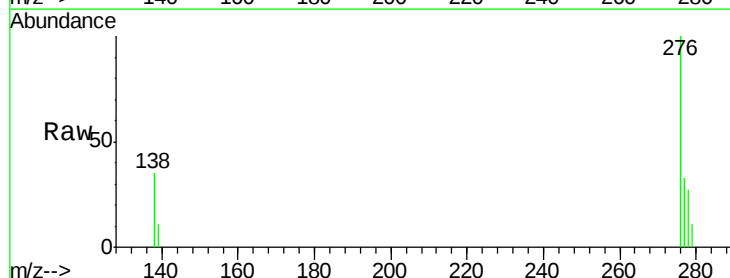
Tgt Ion:276 Resp: 8166

Ion Ratio Lower Upper

276 100

138 27.0 20.3 30.5

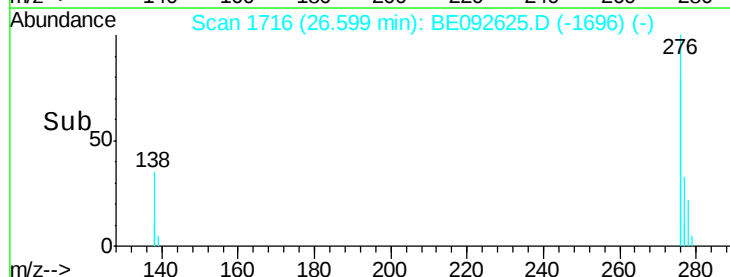
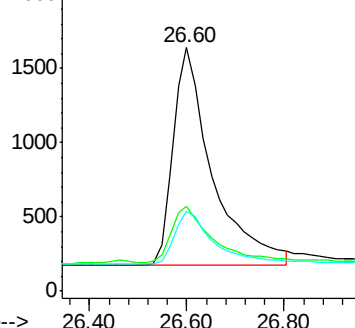
277 24.5 19.7 29.5

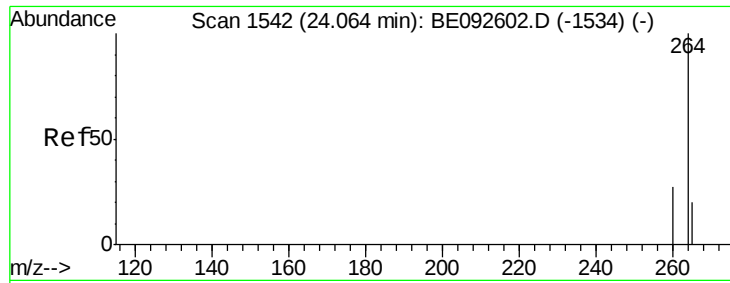


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

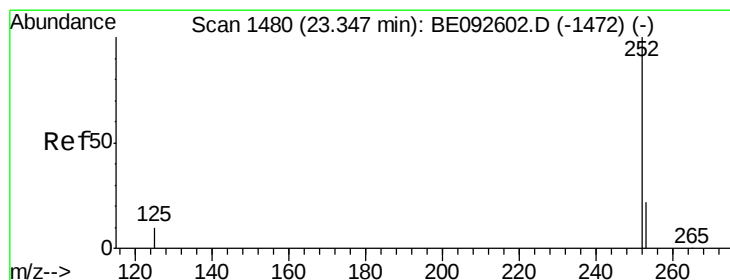
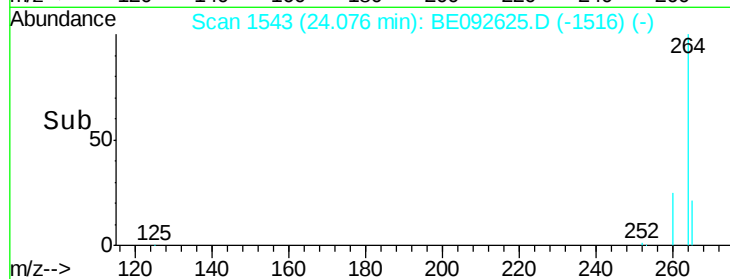
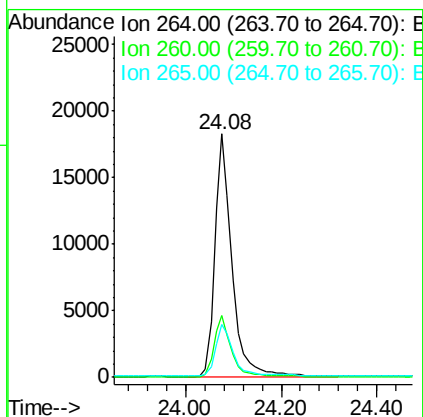
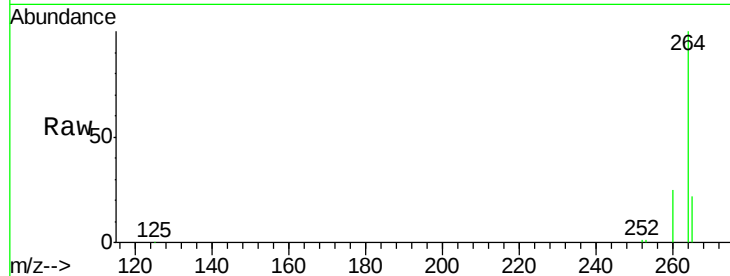




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.08 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

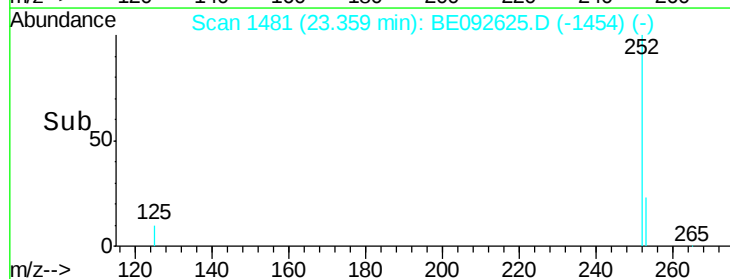
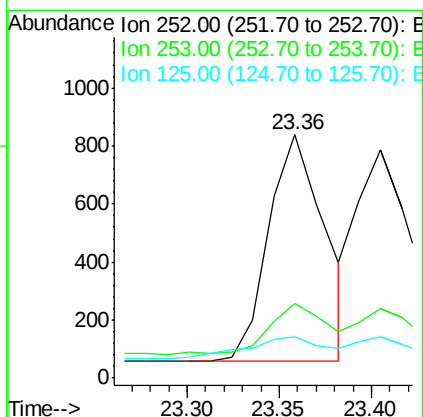
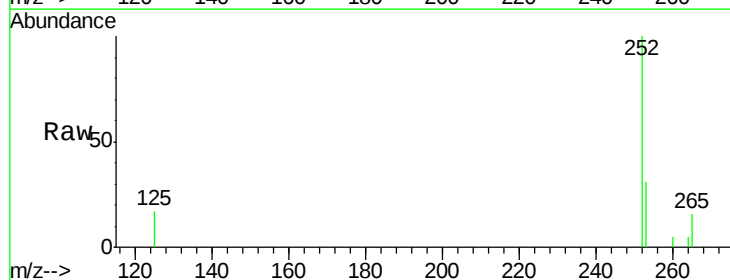
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

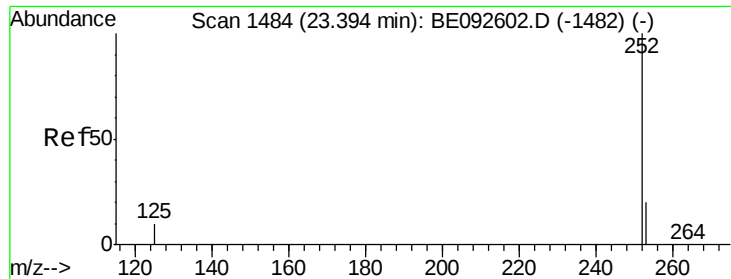
Tgt Ion: 264 Resp: 45832
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 21.7 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 0.16 ng
 RT: 23.36 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BE092625.D
 Acq: 27 Dec 2016 17:55

Tgt Ion: 252 Resp: 1647
 Ion Ratio Lower Upper
 252 100
 253 30.9 18.7 28.1#
 125 16.9 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.17 ng

RT: 23.40 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

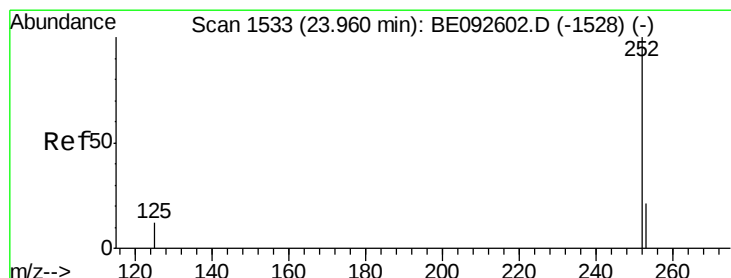
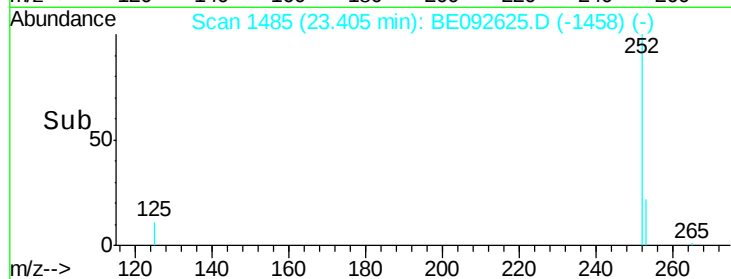
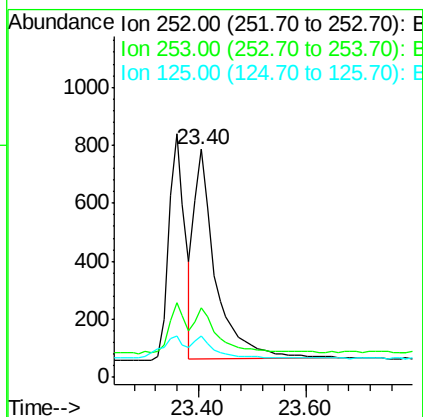
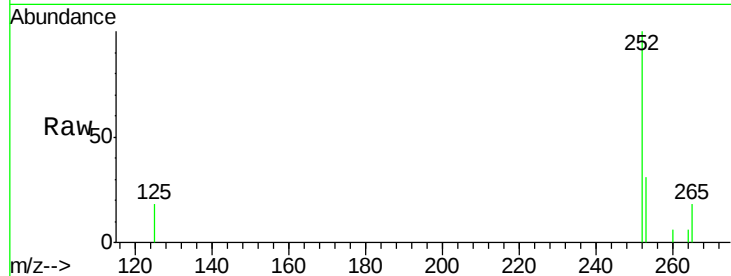
Tgt Ion:252 Resp: 1992

Ion Ratio Lower Upper

252 100

253 30.8 20.3 30.5#

125 17.9 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.15 ng

RT: 23.97 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

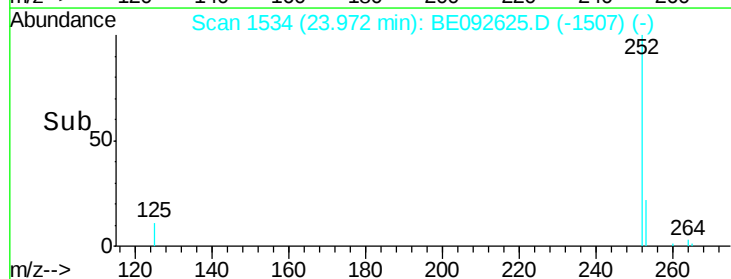
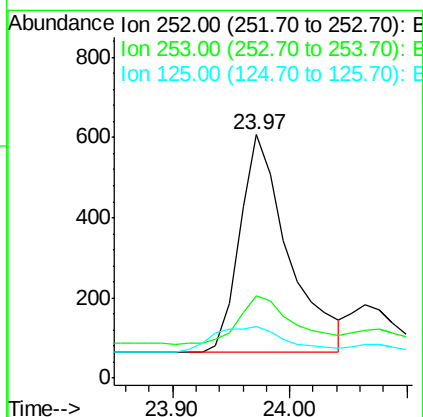
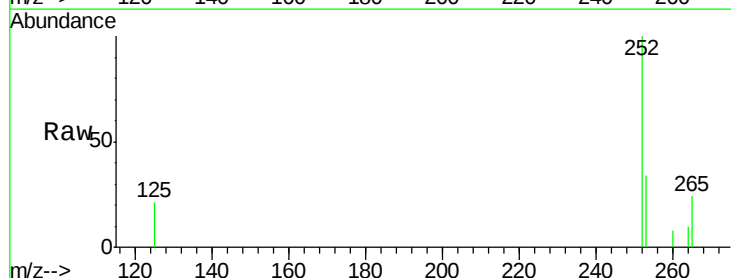
Tgt Ion:252 Resp: 1564

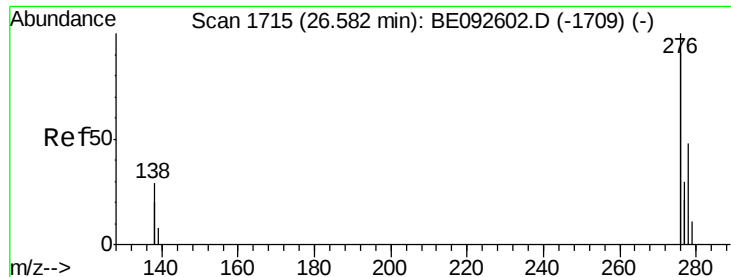
Ion Ratio Lower Upper

252 100

253 33.8 19.0 28.6#

125 21.1 11.8 17.8#





#35

Dibenzo(a,h)anthracene

Concen: 0.17 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.03 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2017

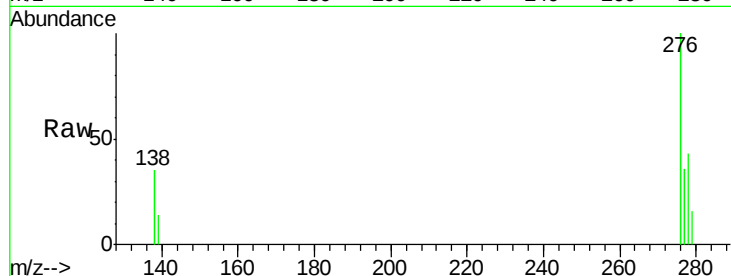
Tgt Ion: 278 Resp: 1599

Ion Ratio Lower Upper

278 100

139 32.1 13.8 20.8#

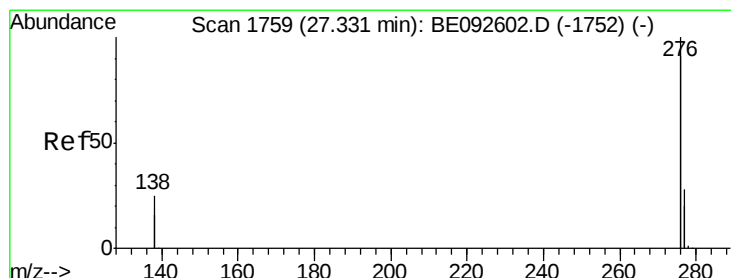
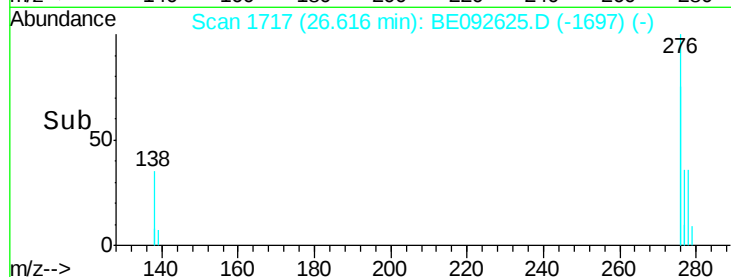
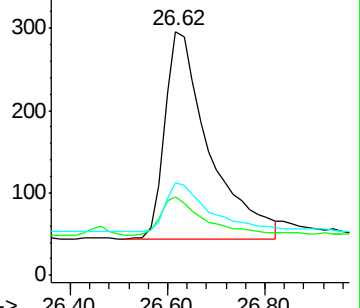
279 38.2 21.4 32.2#



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



#36

Benzo(g,h,i)perylene

Concen: 0.18 ng

RT: 27.35 min Scan# 1760

Delta R.T. 0.02 min

Lab File: BE092625.D

Acq: 27 Dec 2016 17:55

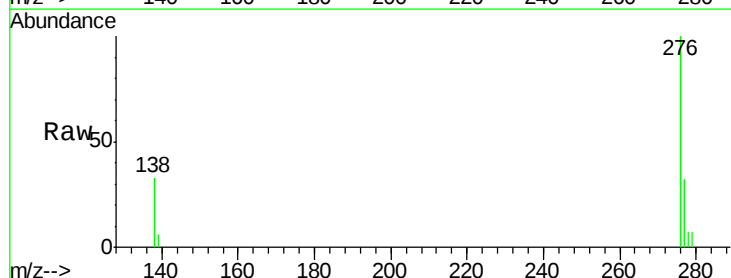
Tgt Ion: 276 Resp: 7626

Ion Ratio Lower Upper

276 100

277 31.9 19.8 29.8#

138 32.9 19.8 29.6#



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

