

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
 Data File : BE092623.D
 Acq On : 27 Dec 2016 15:20
 Operator : UM/SJ
 Sample : H6103-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 28 01:25:26 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	12144	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	49589	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	28485	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	52543	5.00	ng	0.00
24) Chrysene-d12	21.72	240	56463	5.00	ng	0.00
31) Perylene-d12	24.08	264	50482	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	21341	9.06	ng	-0.04
5) Phenol-d6	7.31	99	26834	7.54	ng	-0.07
8) Nitrobenzene-d5	9.32	82	12721	3.75	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	4241	5.22	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	28390	4.17	ng	-0.01
26) Terphenyl-d14	20.16	244	29811	4.31	ng	-0.02

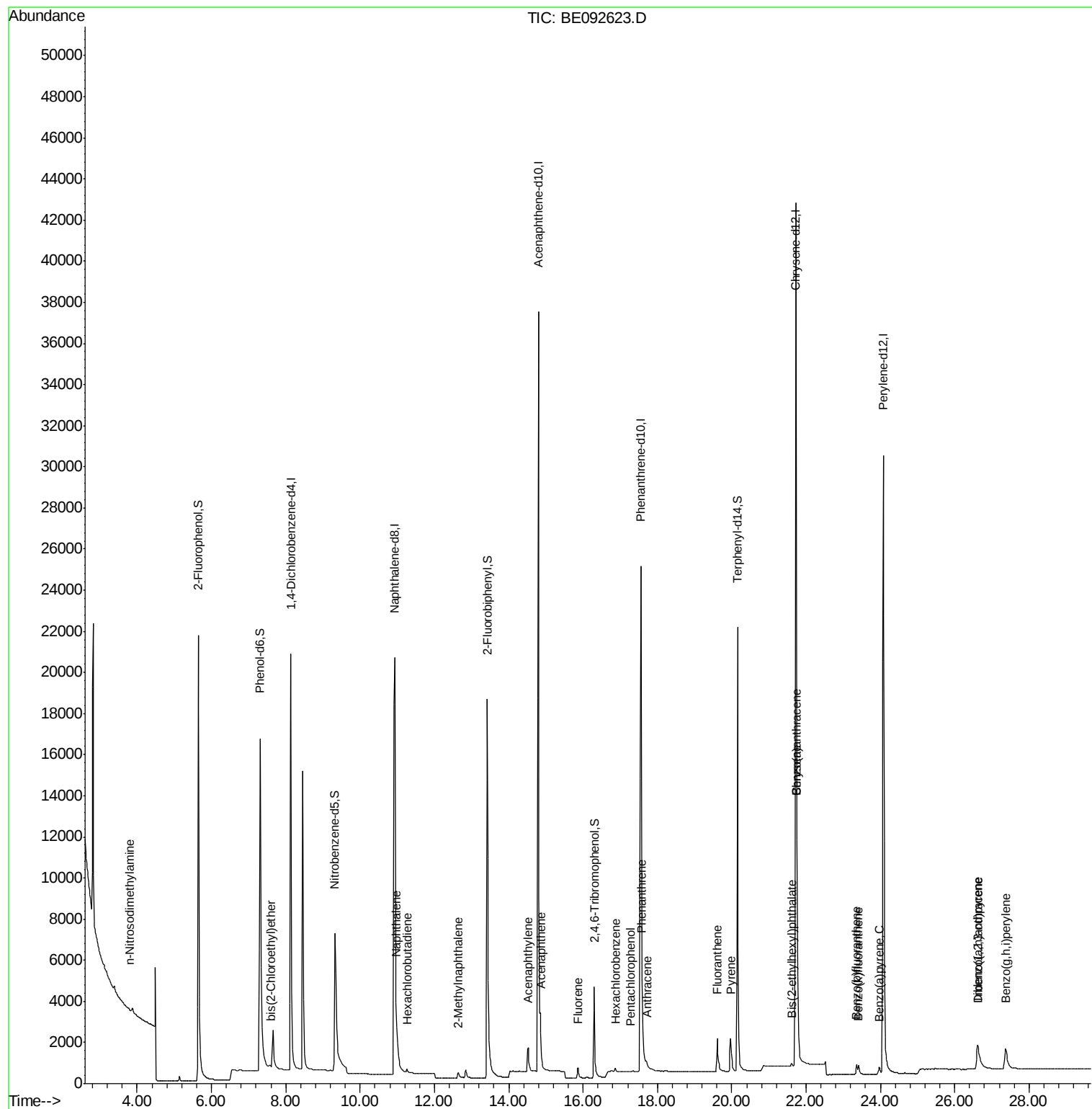
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	159	Below Cal	#	1
3) n-Nitrosodimethylamine	3.81	42	42	0.22	ng	# 1
6) bis(2-Chloroethyl)ether	7.59	93	260	0.18	ng	# 15
9) Naphthalene	10.97	128	815	0.08	ng	# 75
10) Hexachlorobutadiene	11.26	225	140	0.09	ng	96
11) 2-Methylnaphthalene	12.65	142	433	0.07	ng	# 92
15) Acenaphthylene	14.52	152	3007	0.08	ng	99
16) Acenaphthene	14.87	154	495	0.08	ng	87
17) Fluorene	15.87	166	551	0.07	ng	97
19) Hexachlorobenzene	16.87	284	272	0.12	ng	# 24
20) Pentachlorophenol	17.28	266	26	0.07	ng	# 74
21) Phenanthrene	17.58	178	1034	0.08	ng	# 78
22) Anthracene	17.72	178	820	0.07	ng	# 69
23) Fluoranthene	19.61	202	3535	0.06	ng	99
25) Pyrene	19.97	202	3543	0.07	ng	100
27) Benzo(a)anthracene	21.75	228	8148	0.16	ng	# 79
28) Chrysene	21.75	228	8208	0.14	ng	# 91
29) Bis(2-ethylhexyl)phthalate	21.61	149	246	0.11	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.62	276	4202	0.08	ng	98
32) Benzo(b)fluoranthene	23.36	252	762	0.07	ng	# 70
33) Benzo(k)fluoranthene	23.40	252	1063	0.08	ng	# 69
34) Benzo(a)pyrene	23.97	252	778	0.07	ng	# 57
35) Dibenzo(a,h)anthracene	26.63	278	813	0.08	ng	# 51
36) Benzo(g,h,i)perylene	27.37	276	3909	0.09	ng	# 69

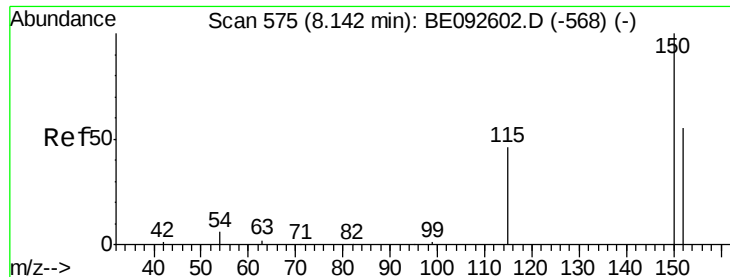
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122716\
Data File : BE092623.D
Acq On : 27 Dec 2016 15:20
Operator : UM/SJ
Sample : H6103-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 28 01:25:26 2016
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QLast Update : Mon Dec 19 16:16:32 2016
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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: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

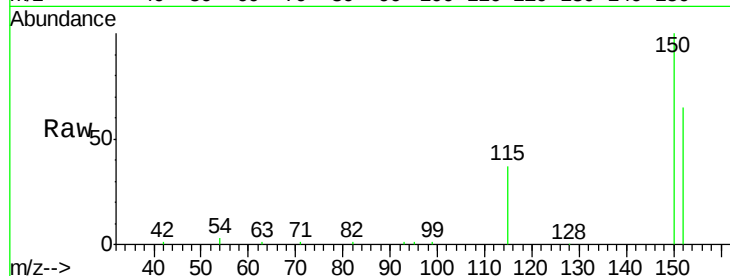
Tgt Ion:152 Resp: 12144

Ion Ratio Lower Upper

152 100

150 154.5 106.0 159.0

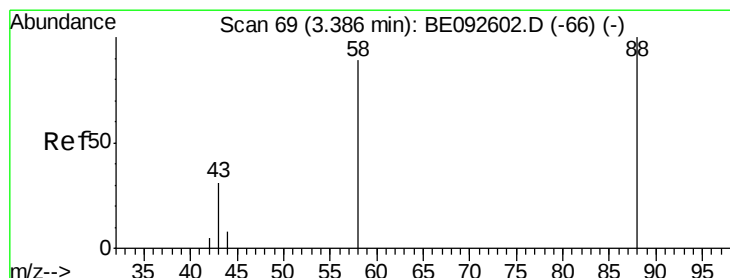
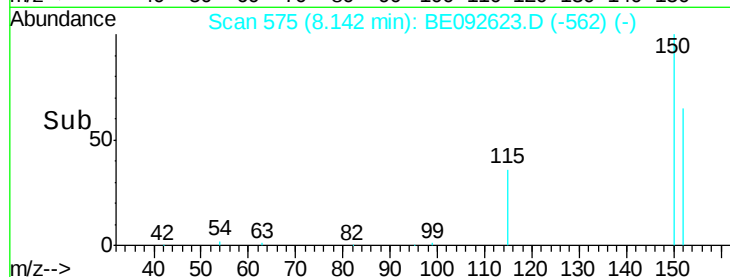
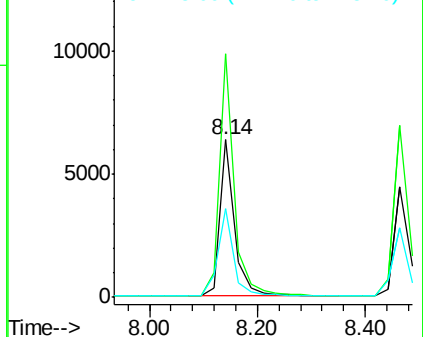
115 56.7 31.2 46.8#



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: Below Cal

RT: 3.39 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

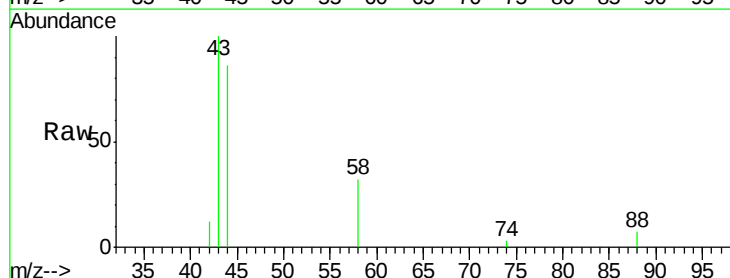
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

88 100

58 550.9 63.6 95.4#

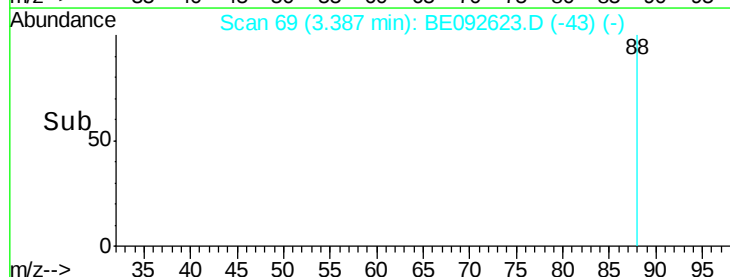
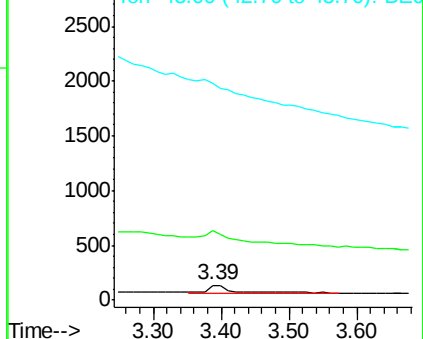
43 0.0 28.0 42.0#

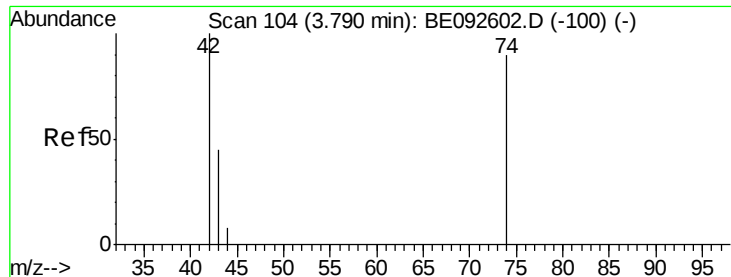


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 3.81 min Scan# 106

Delta R.T. 0.02 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

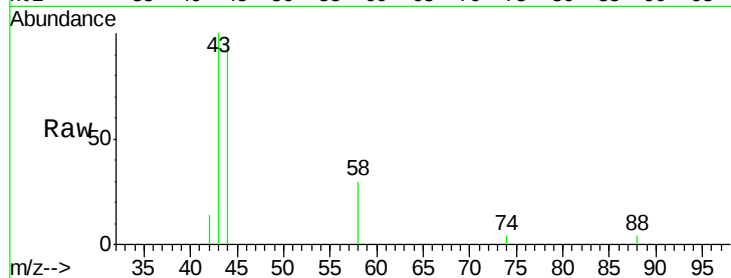
Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

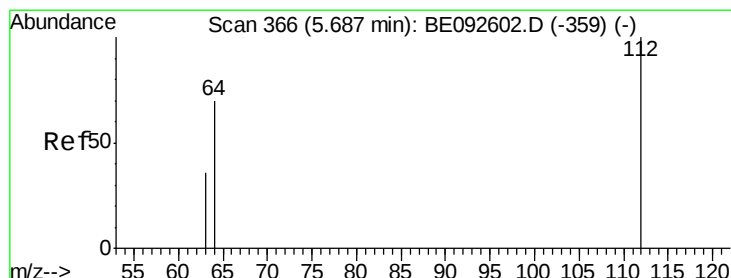
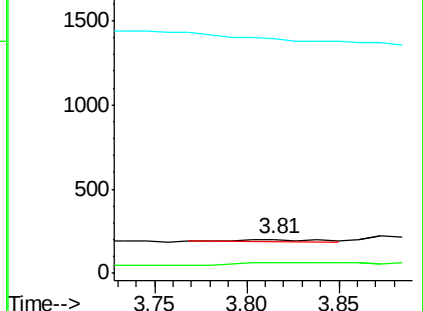
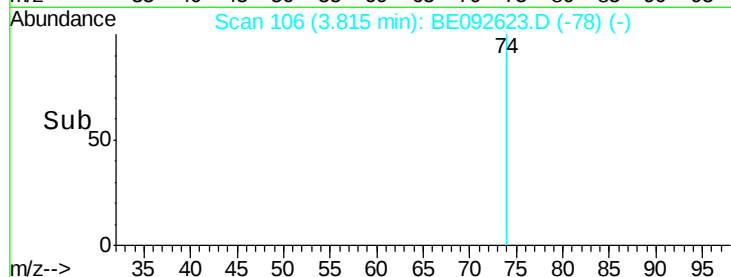
Tgt Ion:	42	Resp:	42
Ion	Ratio	Lower	Upper
42	100		
74	276.2	86.0	129.0#
44	0.0	5.1	7.7#



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: 9.06 ng

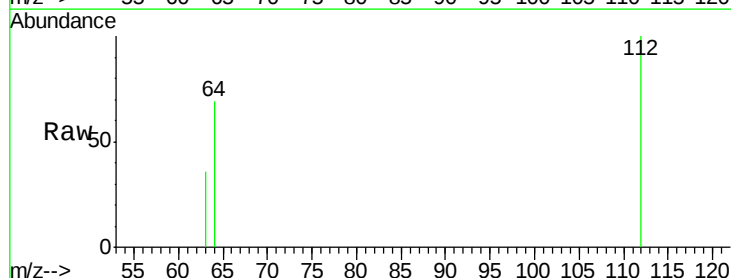
RT: 5.65 min Scan# 359

Delta R.T. -0.04 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

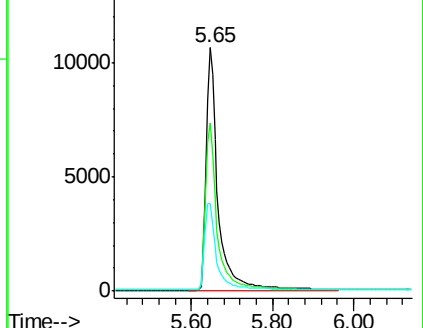
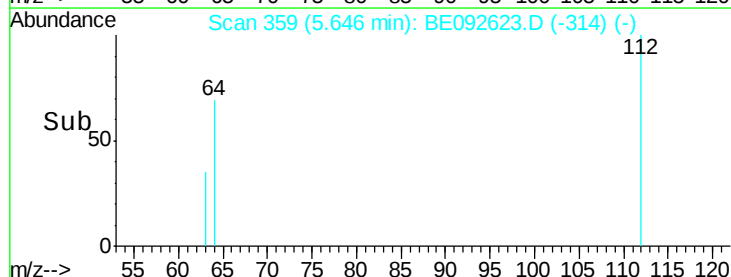
Tgt Ion:	112	Resp:	21341
Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.5	80.3
63	37.0	27.9	41.9

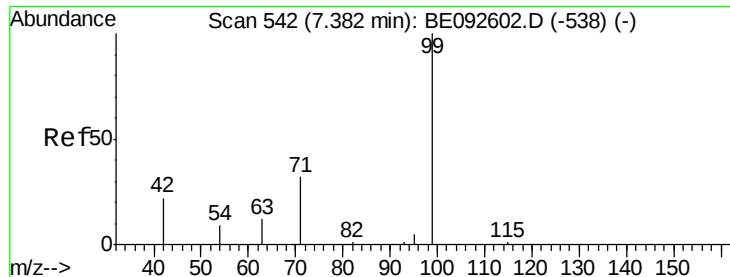


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.54 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.07 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

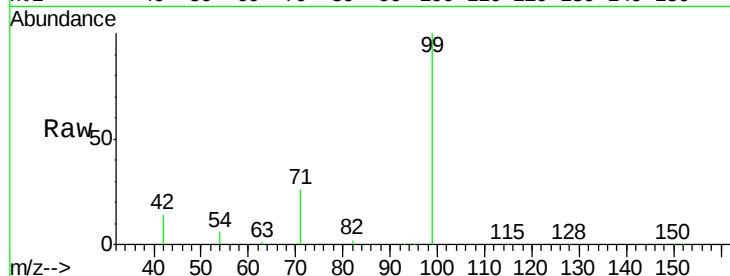
Tgt Ion: 99 Resp: 26834

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

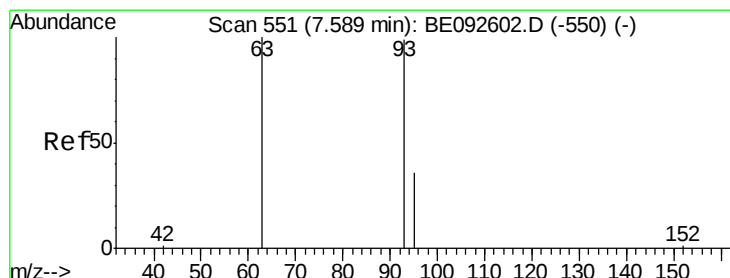
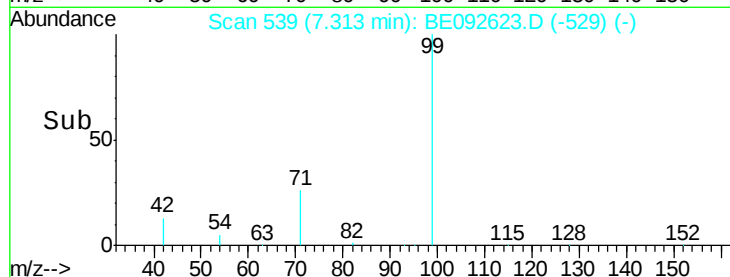
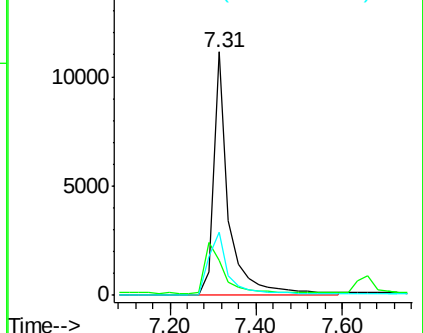
71 34.0 30.6 45.8



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: 0.18 ng

RT: 7.59 min Scan# 551

Delta R.T. 0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

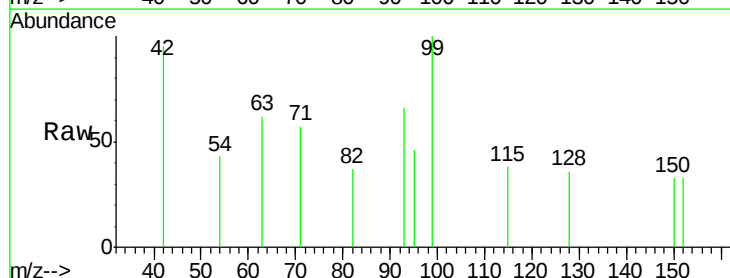
Tgt Ion: 93 Resp: 260

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

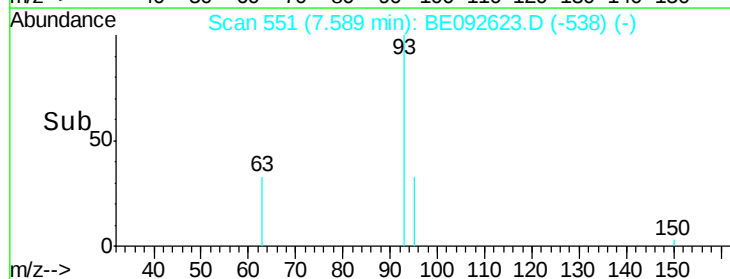
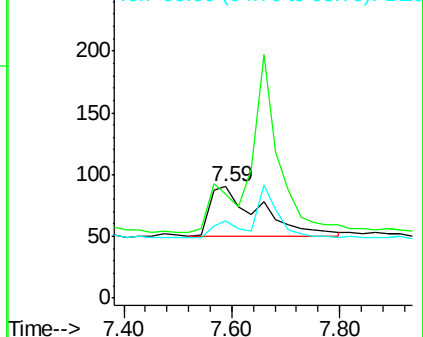
95 0.0 24.0 36.0#

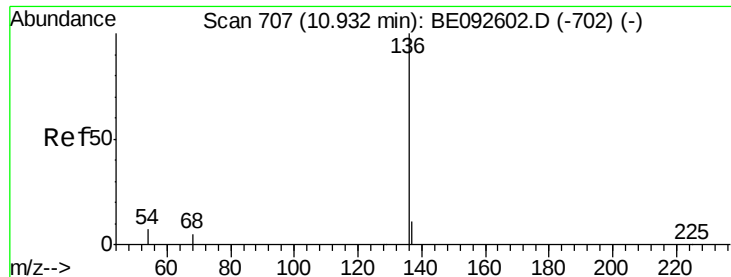


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092623.D

Acq: 27 Dec 2016 15:20

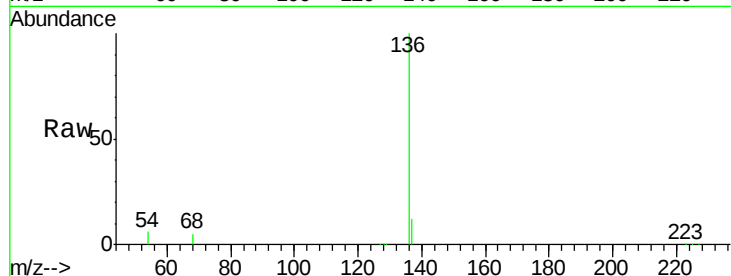
Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	136	Resp:	49589
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.4
54	6.3	9.6	14.4#
68	4.6	6.7	10.1#



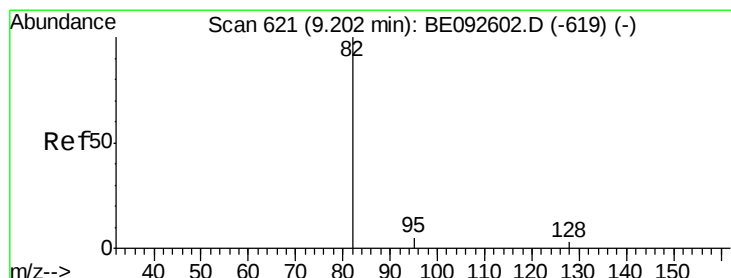
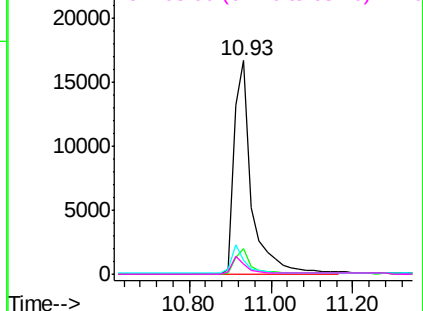
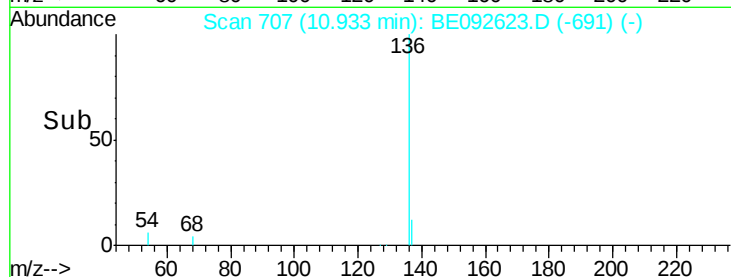
Abundance

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: 3.75 ng

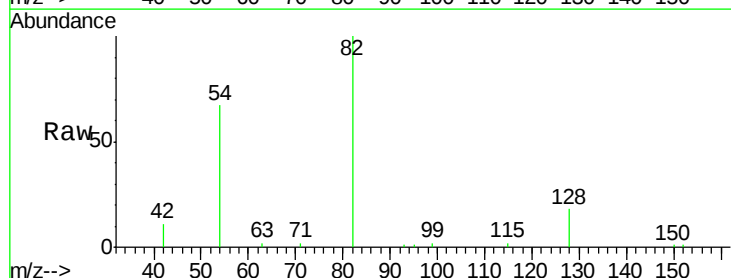
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Tgt Ion:	82	Resp:	12721
Ion	Ratio	Lower	Upper
82	100		
128	17.8	39.0	58.4#
54	66.6	44.8	67.2

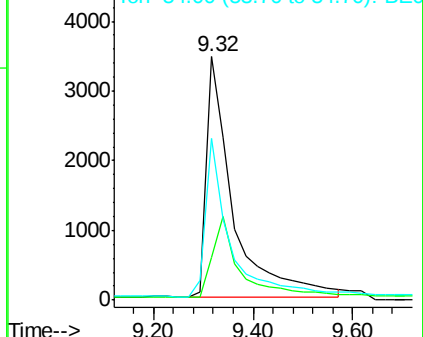
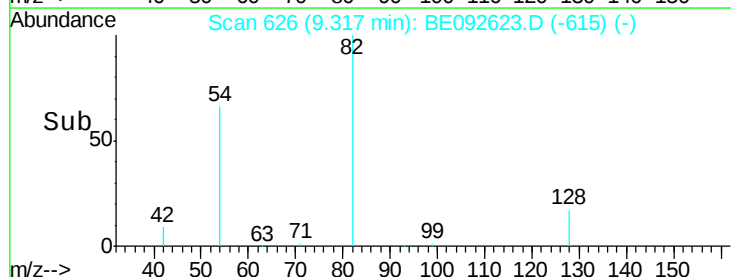


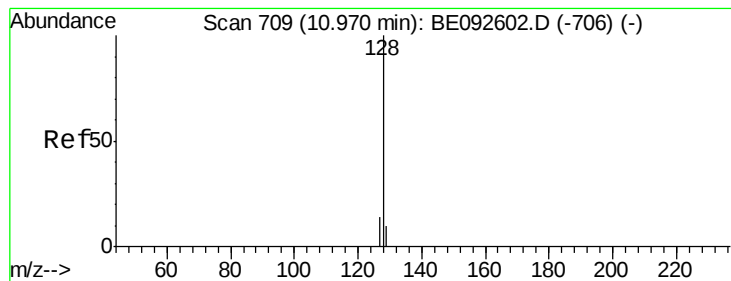
Abundance

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: 0.08 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

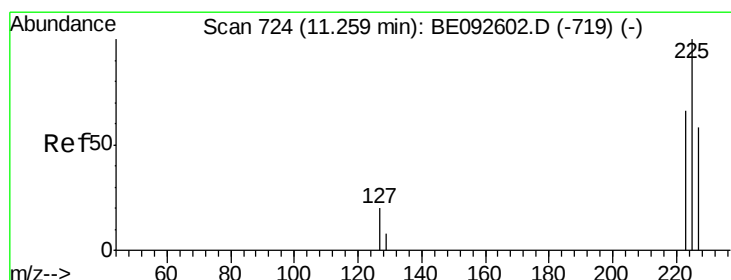
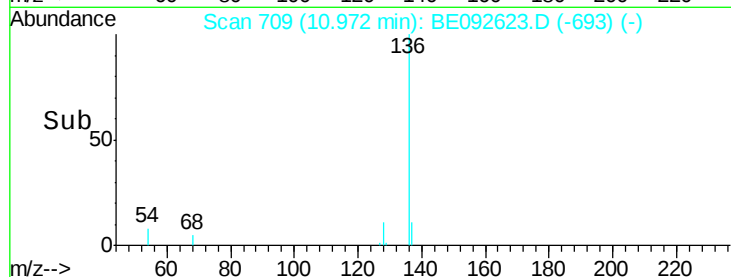
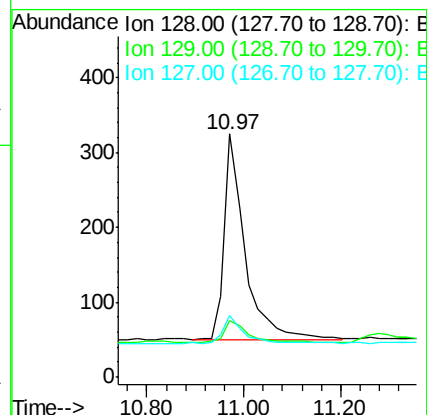
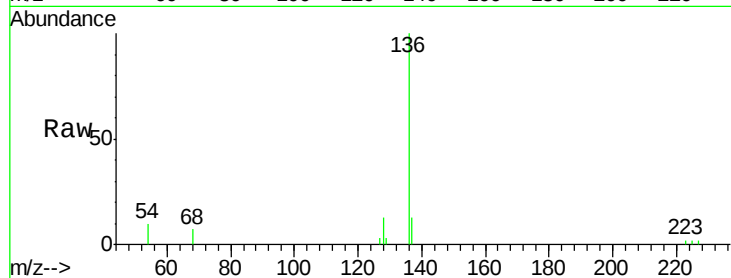
Tgt Ion:128 Resp: 815

Ion Ratio Lower Upper

128 100

129 23.4 11.2 16.8#

127 25.5 11.6 17.4#



#10

Hexachlorobutadiene

Concen: 0.09 ng

RT: 11.26 min Scan# 724

Delta R.T. 0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

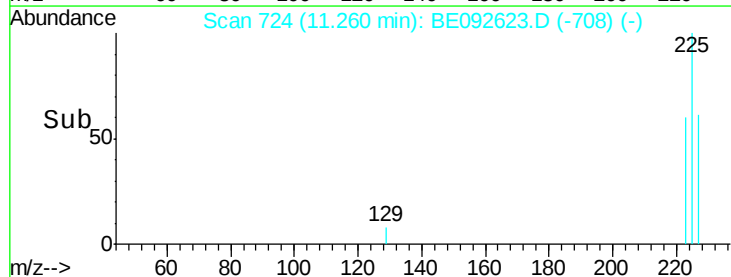
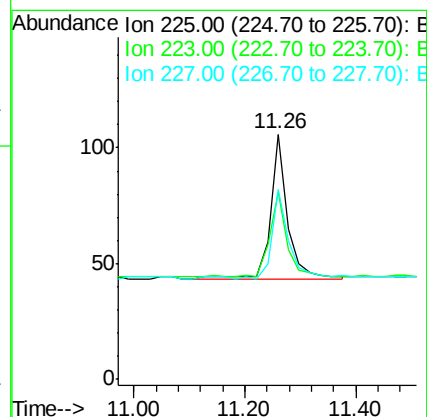
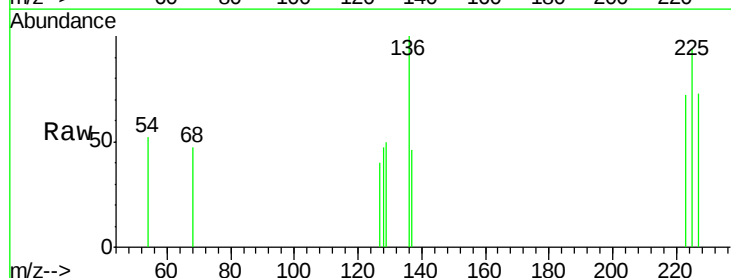
Tgt Ion:225 Resp: 140

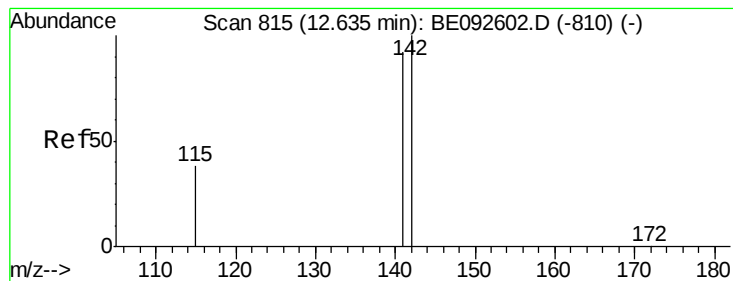
Ion Ratio Lower Upper

225 100

223 57.9 50.6 76.0

227 65.0 51.4 77.0





#11

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.65 min Scan# 816

Delta R.T. 0.01 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

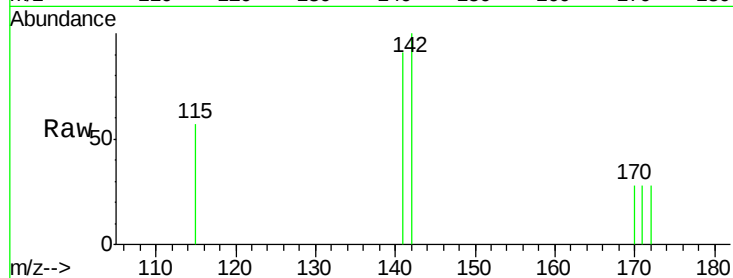
Tgt Ion:142 Resp: 433

Ion Ratio Lower Upper

142 100

141 90.6 73.7 110.5

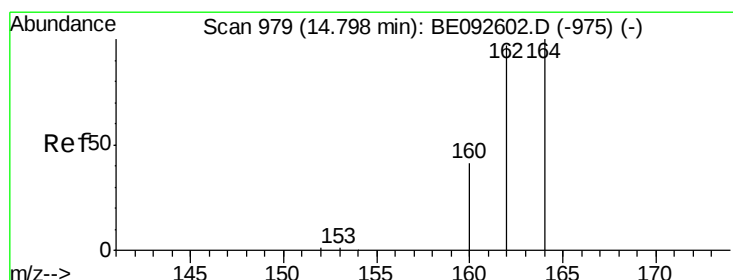
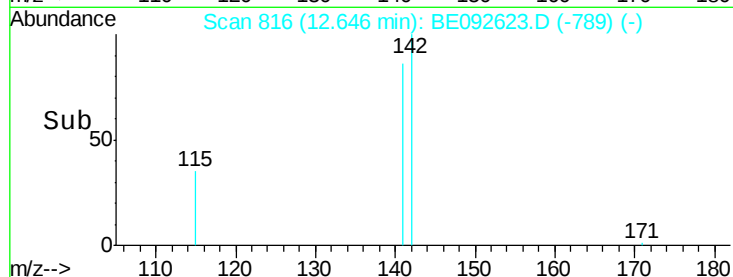
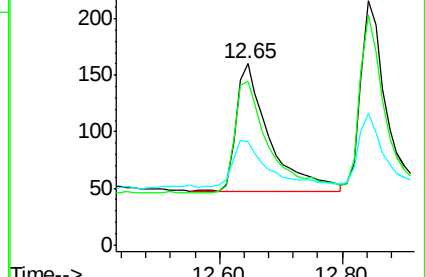
115 56.9 34.0 51.0#



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: BE092623.D

Acq: 27 Dec 2016 15:20

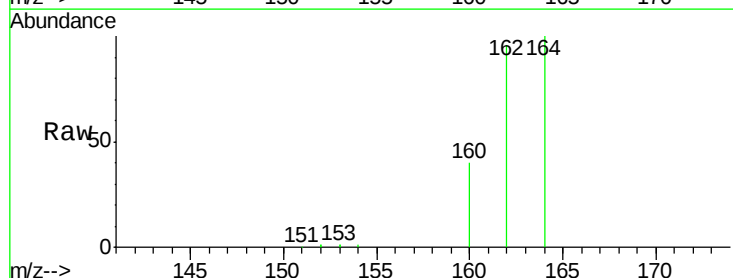
Tgt Ion:164 Resp: 28485

Ion Ratio Lower Upper

164 100

162 95.7 71.4 107.0

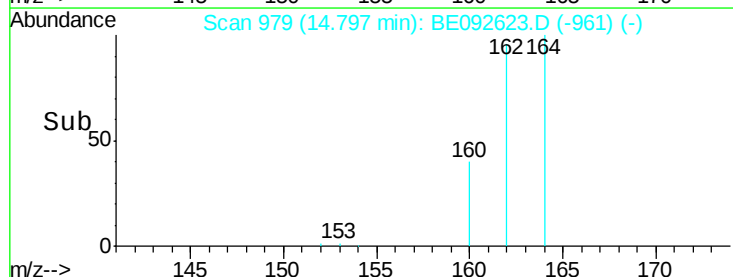
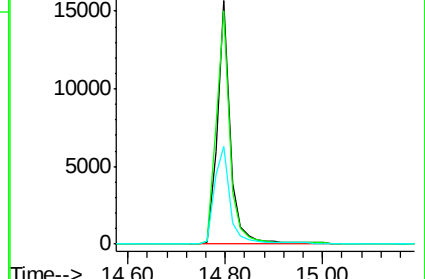
160 40.4 27.4 41.2

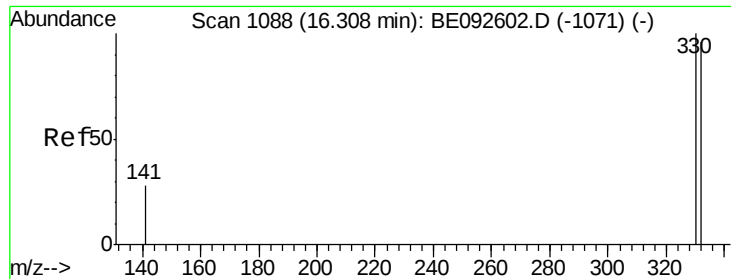


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

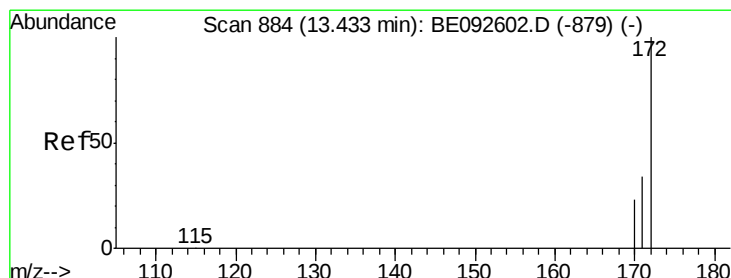
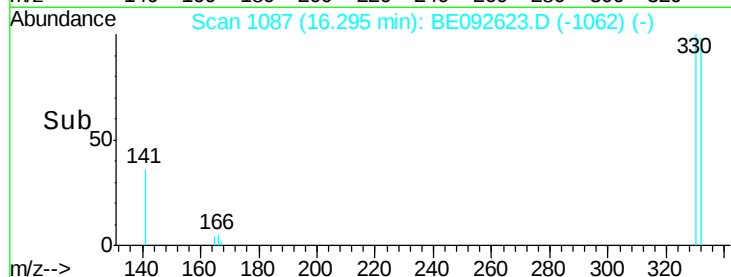
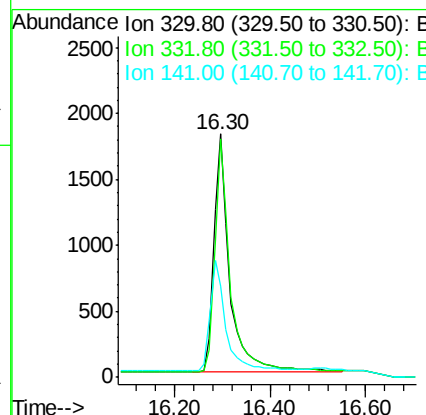
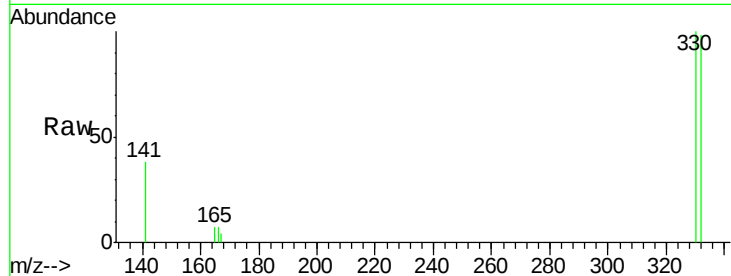




#13
 2,4,6-Tribromophenol
 Concen: 5.22 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

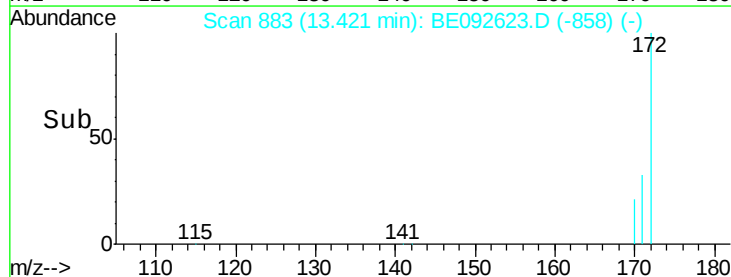
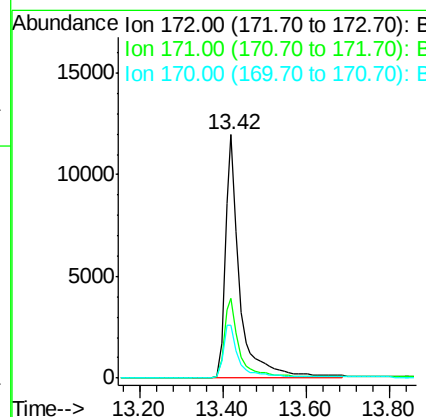
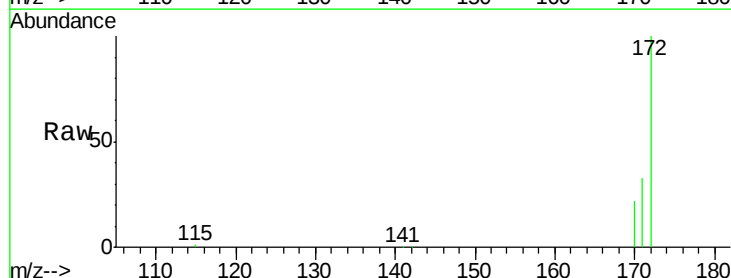
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

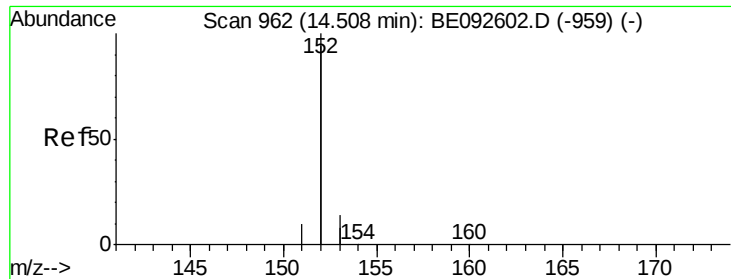
Tgt Ion: 330 Resp: 4241
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.0
 141 46.1 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.17 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

Tgt Ion: 172 Resp: 28390
 Ion Ratio Lower Upper
 172 100
 171 33.0 30.1 45.1
 170 21.6 21.8 32.6#





#15

Acenaphthylene

Concen: 0.08 ng

RT: 14.52 min Scan# 963

Delta R.T. 0.02 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

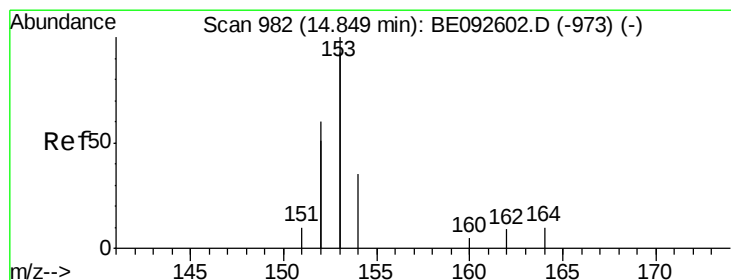
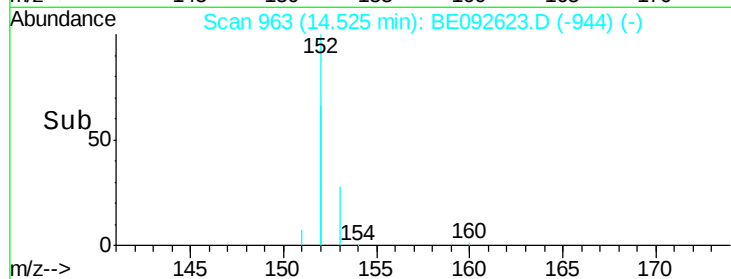
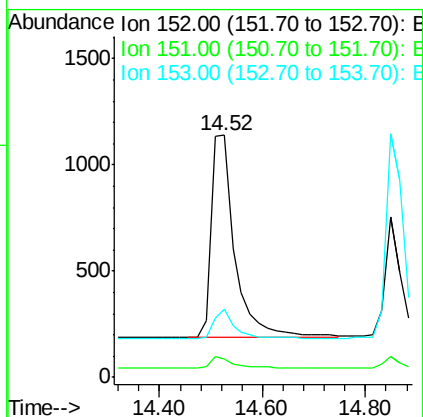
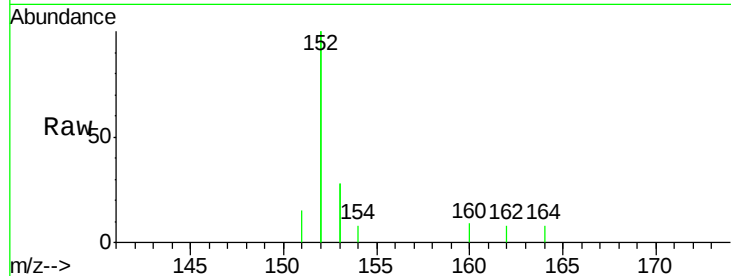
Tgt Ion:152 Resp: 3007

Ion Ratio Lower Upper

152 100

151 4.7 3.9 5.9

153 13.2 10.4 15.6



#16

Acenaphthene

Concen: 0.08 ng

RT: 14.87 min Scan# 983

Delta R.T. 0.02 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

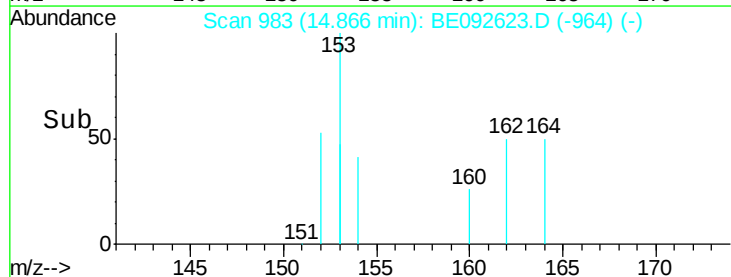
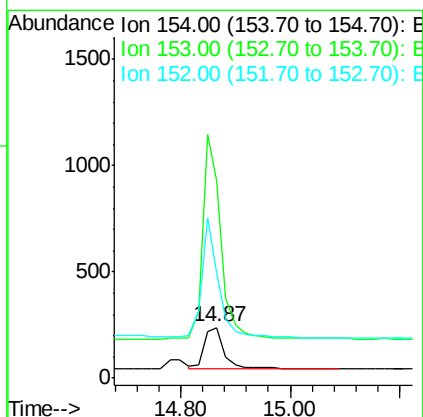
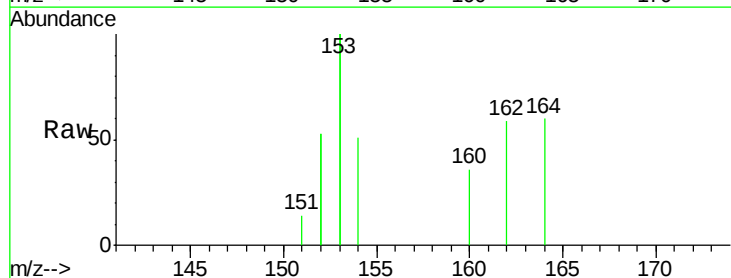
Tgt Ion:154 Resp: 495

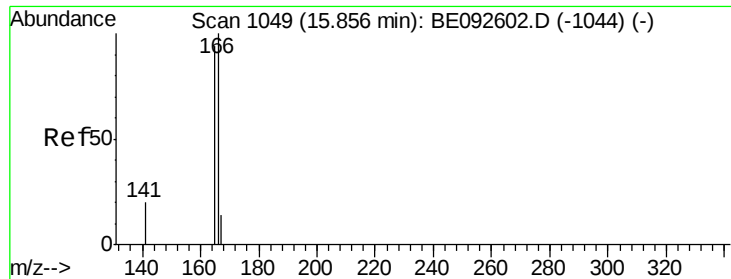
Ion Ratio Lower Upper

154 100

153 457.2 350.8 526.2

152 254.3 171.1 256.7





#17

Fluorene

Concen: 0.07 ng

RT: 15.87 min Scan# 1050

Delta R.T. 0.01 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

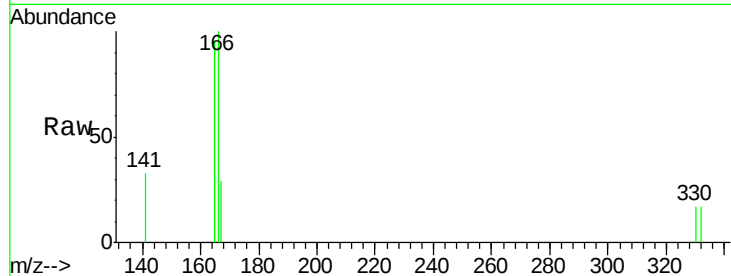
Tgt Ion:166 Resp: 551

Ion Ratio Lower Upper

166 100

165 100.5 78.2 117.4

167 14.2 11.0 16.4



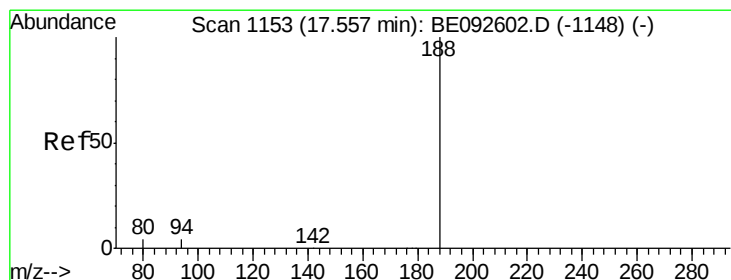
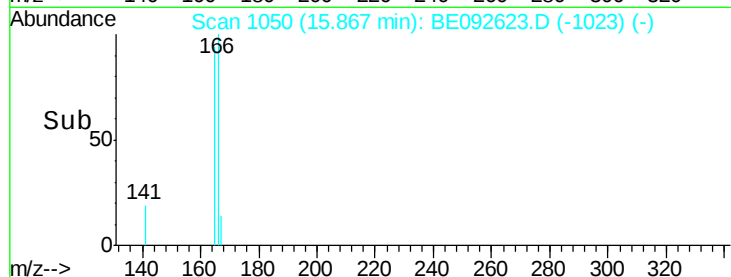
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.87

Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

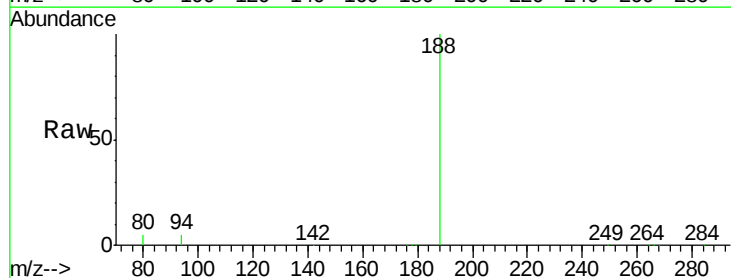
Tgt Ion:188 Resp: 52543

Ion Ratio Lower Upper

188 100

94 5.0 3.2 4.8#

80 4.8 2.6 3.8#



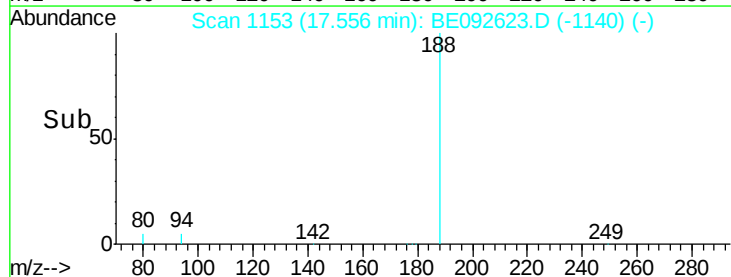
Abundance Ion 188.00 (187.70 to 188.70): E

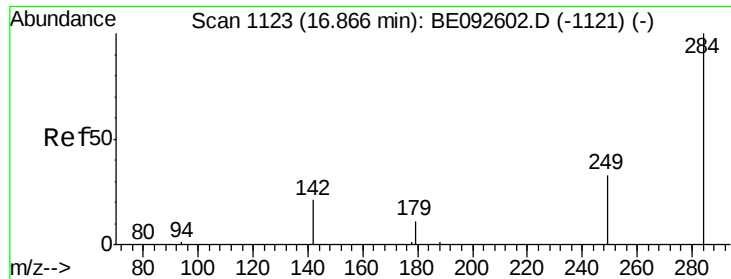
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

17.56

Time-->

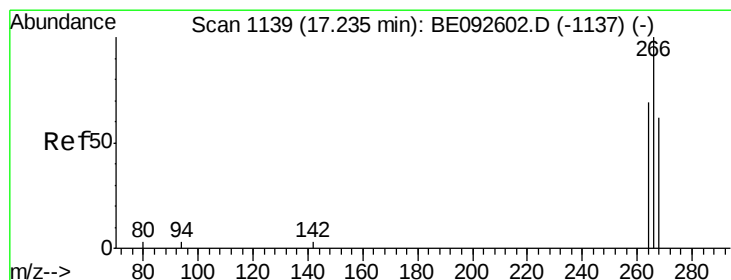
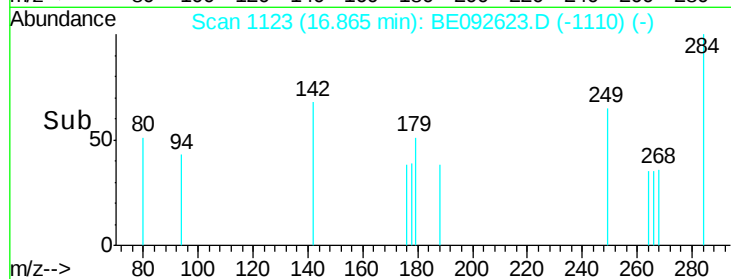
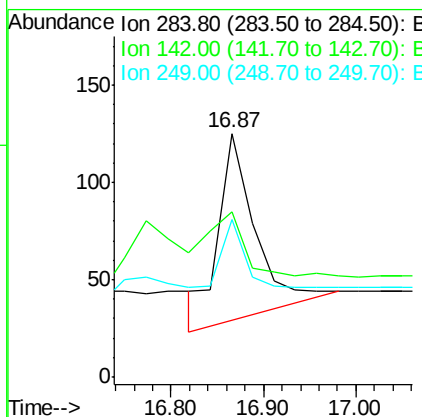
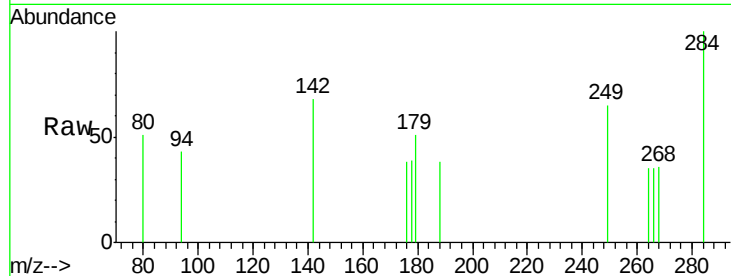




#19
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

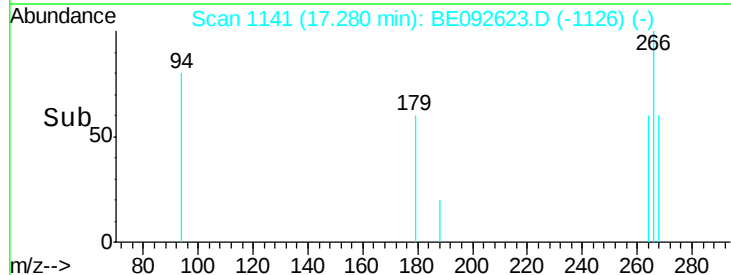
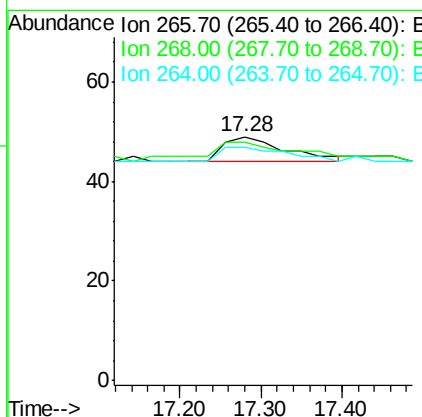
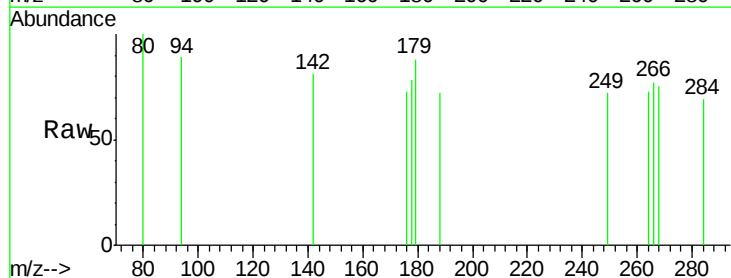
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT1-2017

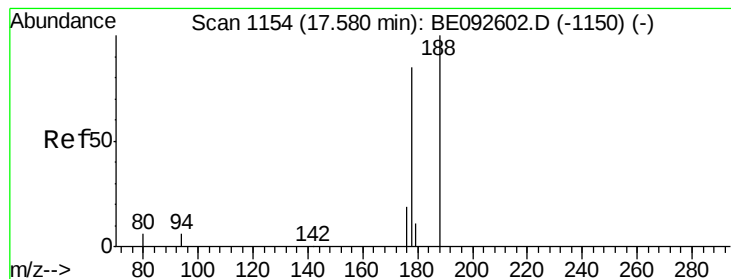
Tgt Ion: 284 Resp: 272
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 87.5 27.9 41.9#



#20
Pentachlorophenol
Concen: 0.07 ng
RT: 17.28 min Scan# 1141
Delta R.T. 0.05 min
Lab File: BE092623.D
Acq: 27 Dec 2016 15:20

Tgt Ion: 266 Resp: 26
Ion Ratio Lower Upper
266 100
268 98.0 62.5 93.7#
264 95.9 57.2 85.8#





#21

Phenanthrene

Concen: 0.08 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

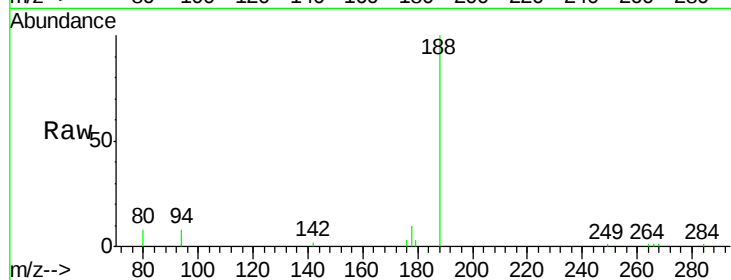
Tgt Ion:178 Resp: 1034

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

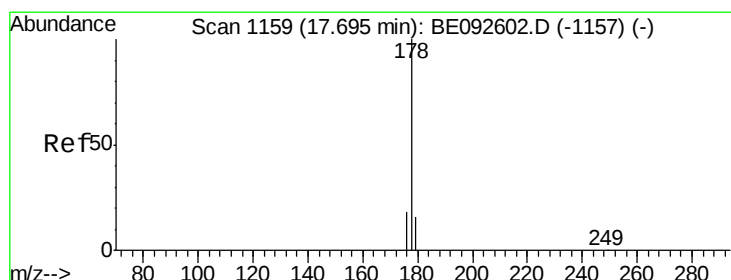
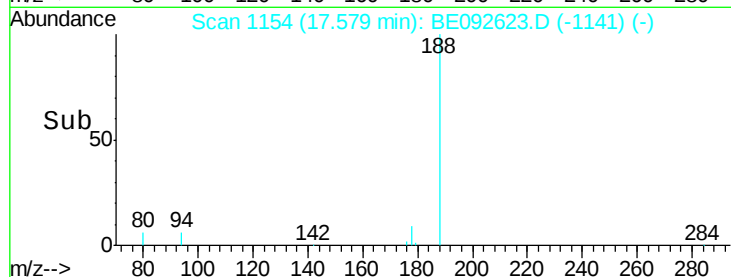
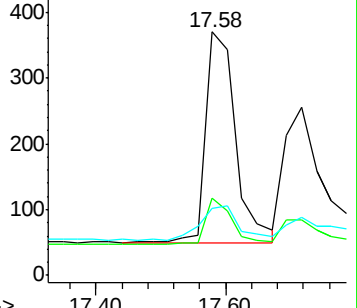
179 0.0 16.0 24.0#



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



#22

Anthracene

Concen: 0.07 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

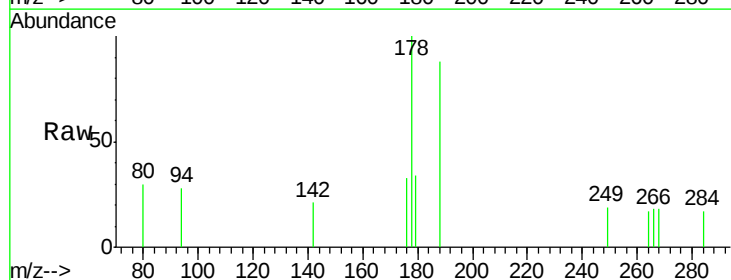
Tgt Ion:178 Resp: 820

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

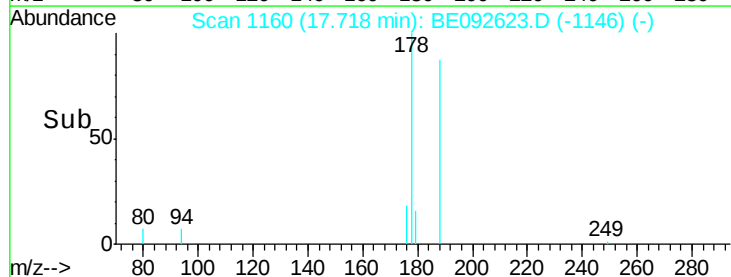
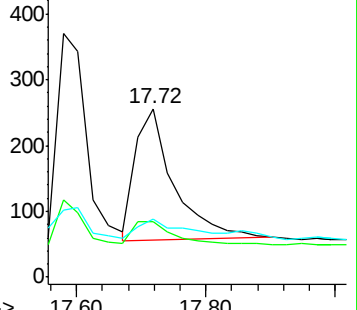
179 22.9 12.2 18.2#

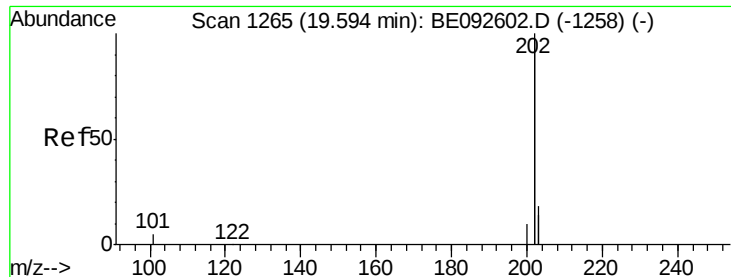


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.06 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.02 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

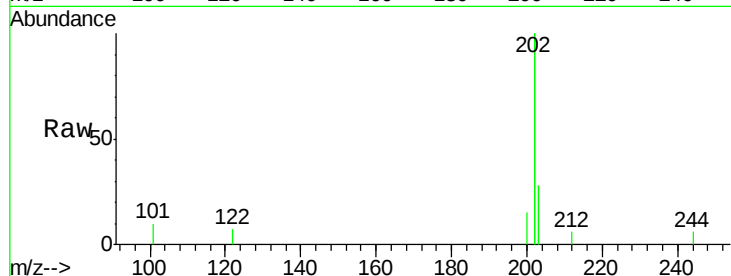
Tgt Ion:202 Resp: 3535

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

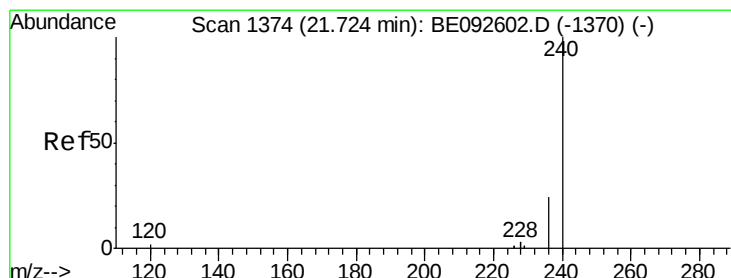
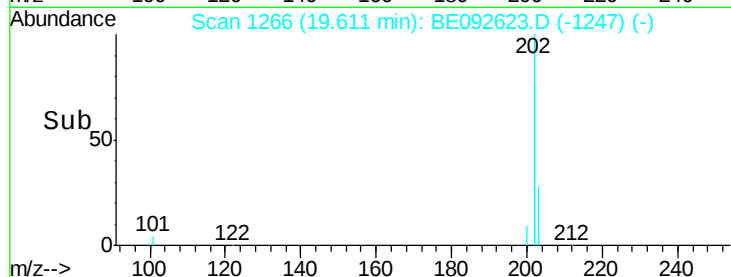
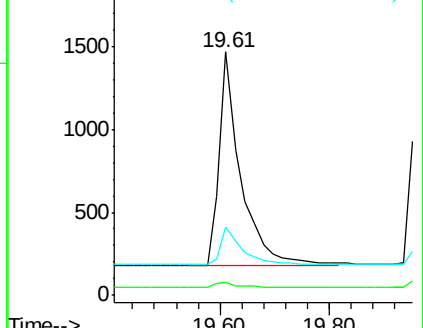
203 17.8 13.7 20.5



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: BE092623.D

Acq: 27 Dec 2016 15:20

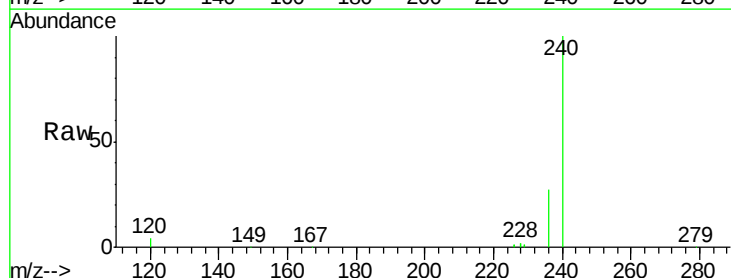
Tgt Ion:240 Resp: 56463

Ion Ratio Lower Upper

240 100

120 4.0 2.6 4.0#

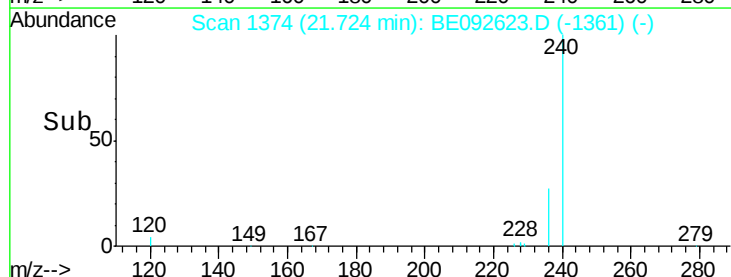
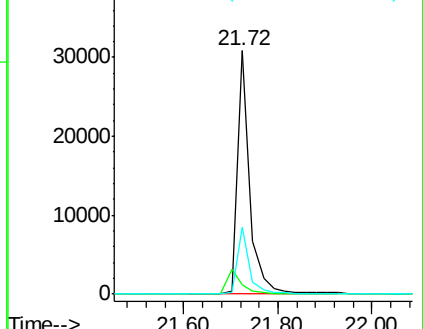
236 27.4 24.6 37.0

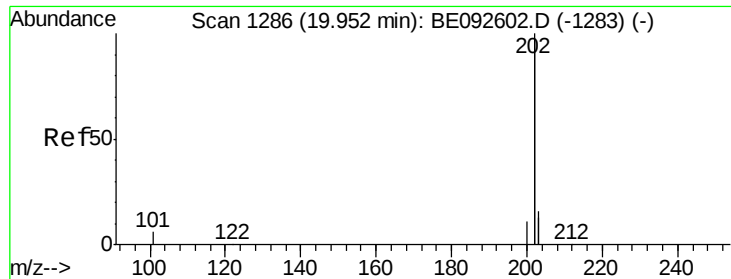


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

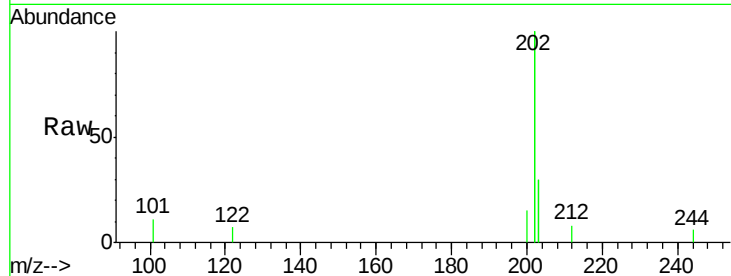




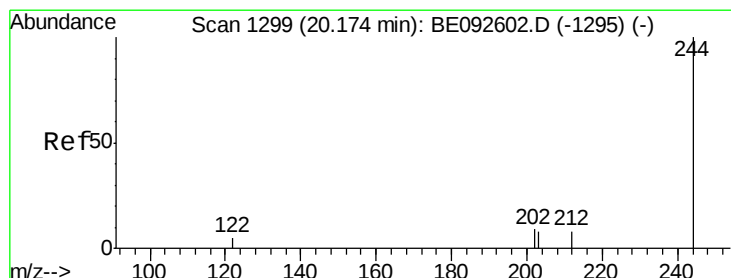
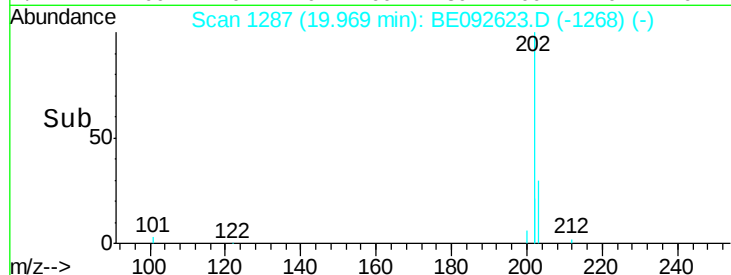
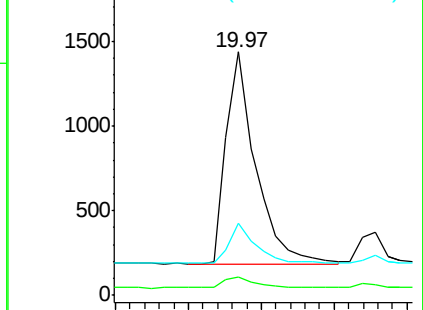
#25
 Pyrene
 Concen: 0.07 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.02 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tgt Ion: 202 Resp: 3543
 Ion Ratio Lower Upper
 202 100
 200 5.6 4.2 6.4
 203 17.4 13.9 20.9

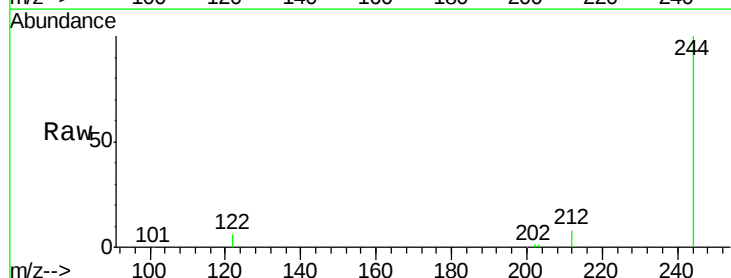


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

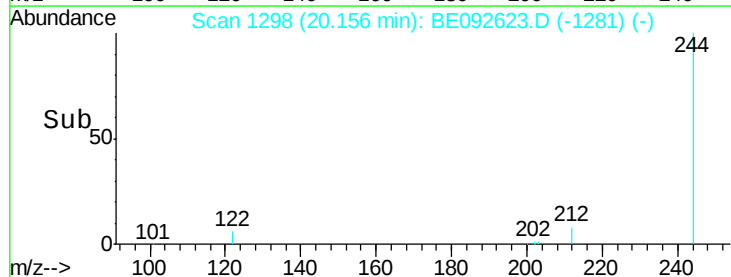
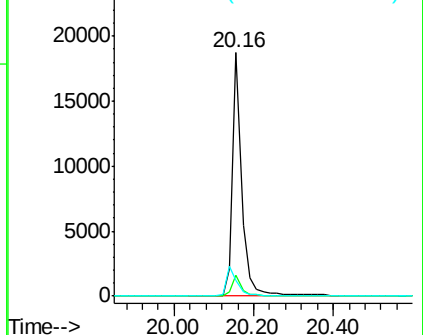


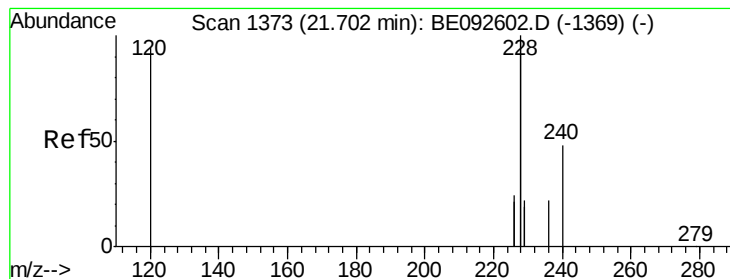
#26
 Terphenyl-d14
 Concen: 4.31 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

Tgt Ion: 244 Resp: 29811
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.7 10.1
 122 6.2 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: 0.16 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.04 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

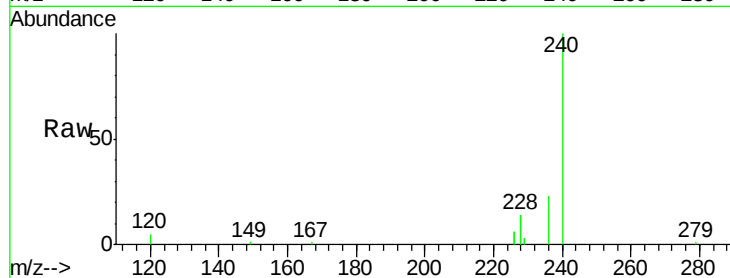
Tgt Ion:228 Resp: 8148

Ion Ratio Lower Upper

228 100

226 42.5 23.6 35.4#

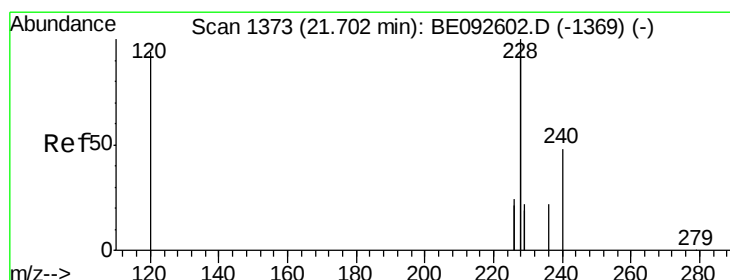
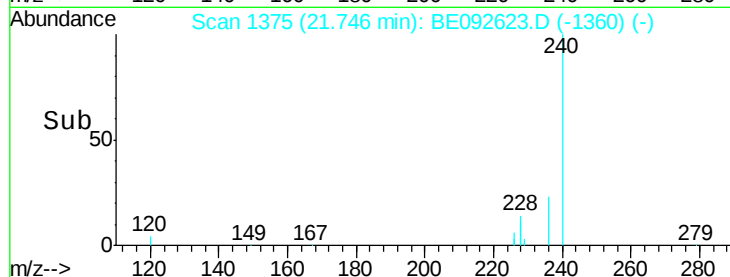
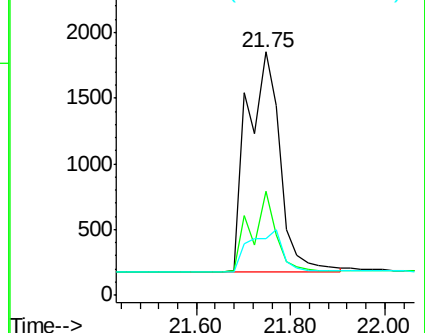
229 23.3 13.3 19.9#



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: 0.14 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

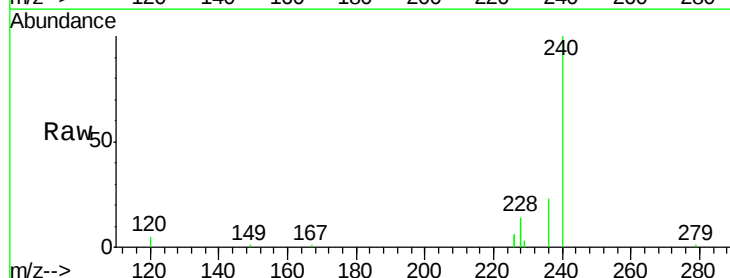
Tgt Ion:228 Resp: 8208

Ion Ratio Lower Upper

228 100

226 42.5 36.3 54.5

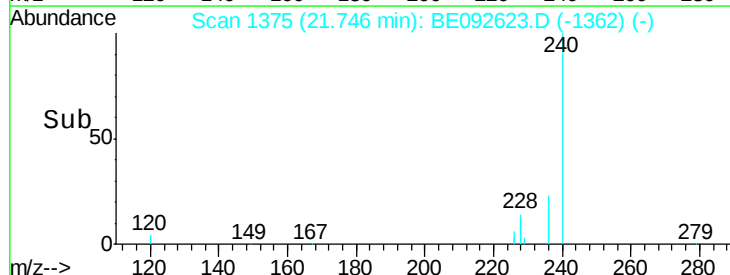
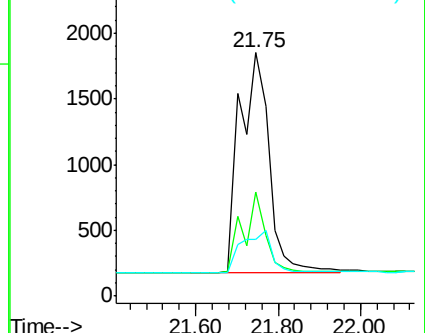
229 23.3 10.6 16.0#

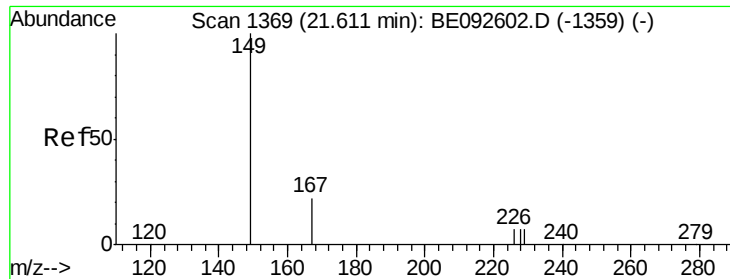


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

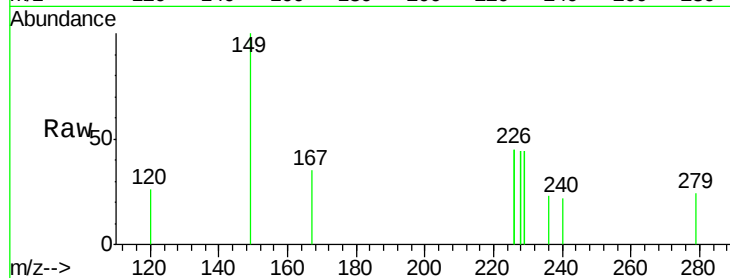
Tgt Ion:149 Resp: 246

Ion Ratio Lower Upper

149 100

167 22.8 16.0 24.0

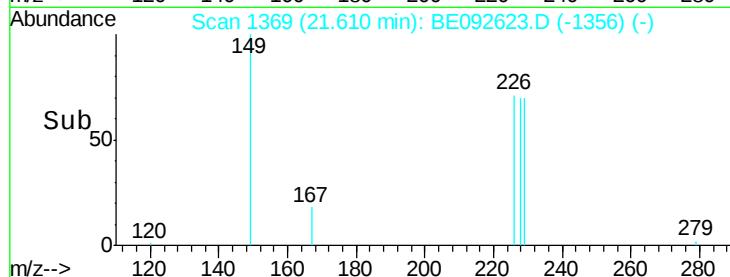
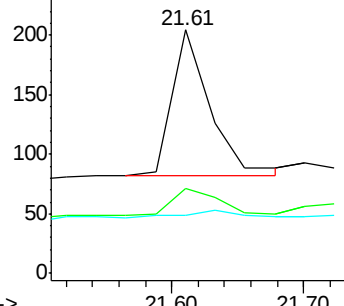
279 0.0 16.0 24.0#



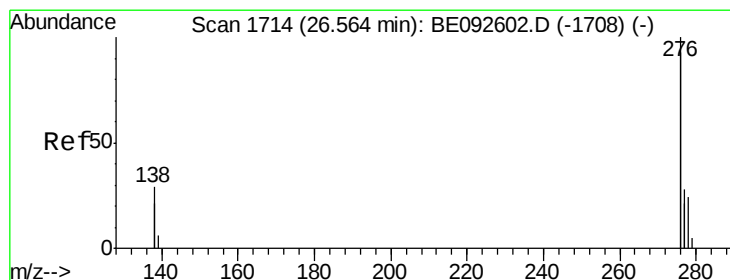
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.05 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

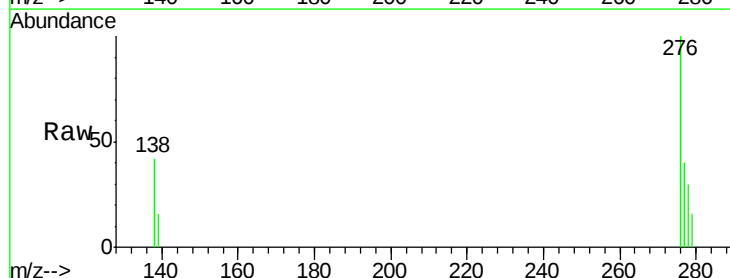
Tgt Ion:276 Resp: 4202

Ion Ratio Lower Upper

276 100

138 27.1 20.3 30.5

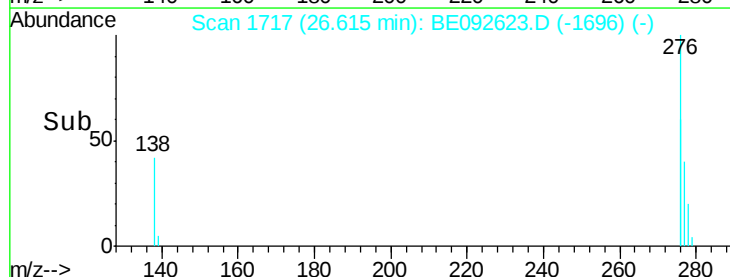
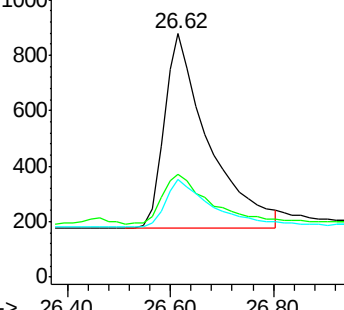
277 24.8 19.7 29.5



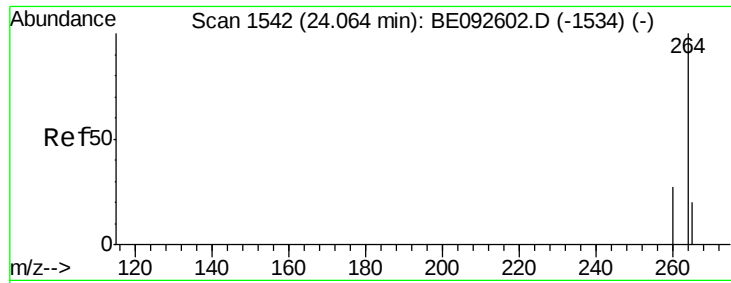
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



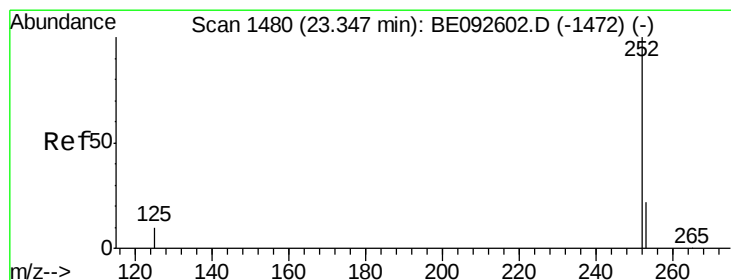
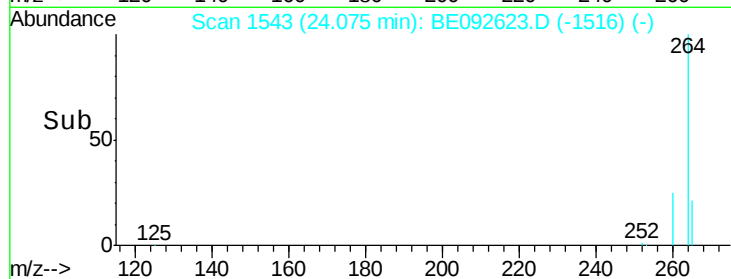
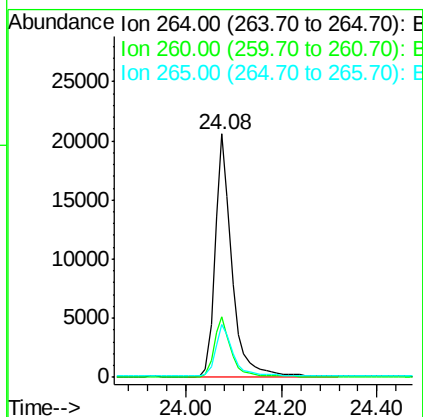
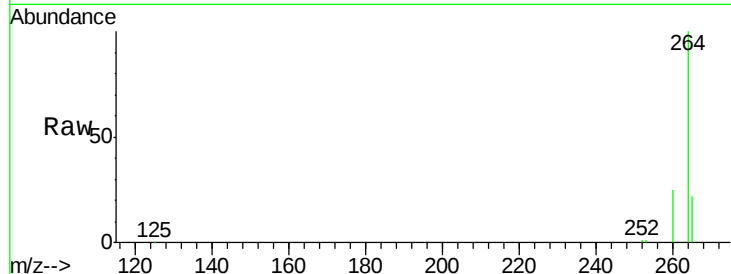
Time-->



#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.08 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

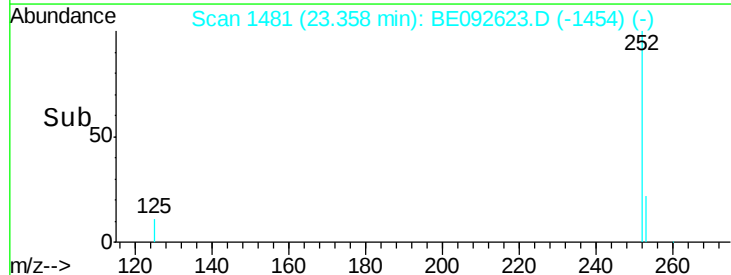
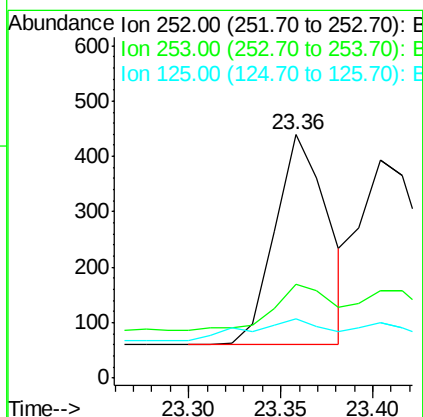
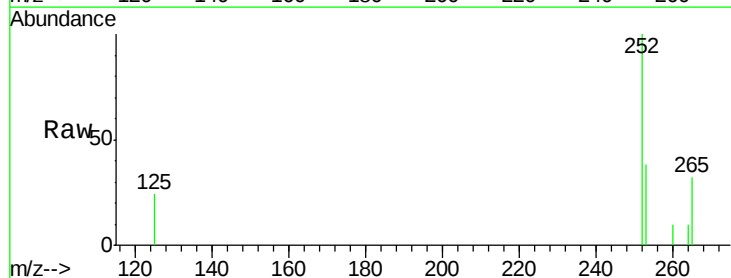
Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

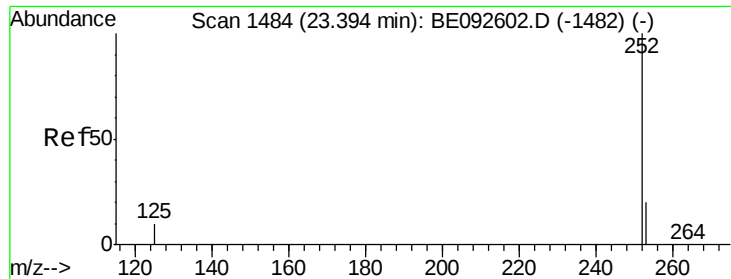
Tgt Ion: 264 Resp: 50482
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 21.6 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 0.07 ng
 RT: 23.36 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BE092623.D
 Acq: 27 Dec 2016 15:20

Tgt Ion: 252 Resp: 762
 Ion Ratio Lower Upper
 252 100
 253 38.5 18.7 28.1#
 125 24.4 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 23.40 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

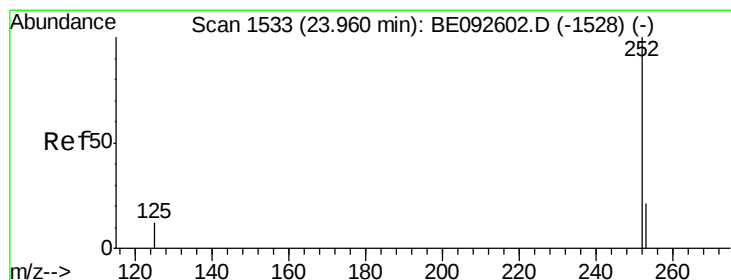
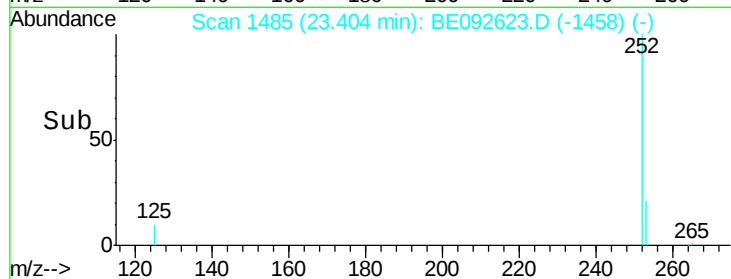
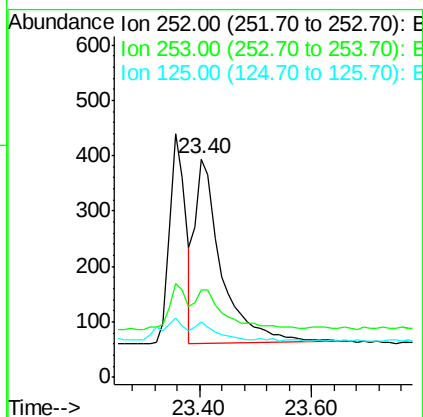
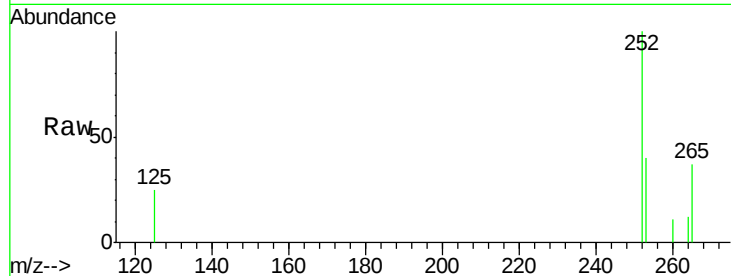
Tgt Ion:252 Resp: 1063

Ion Ratio Lower Upper

252 100

253 40.4 20.3 30.5#

125 25.4 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.97 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

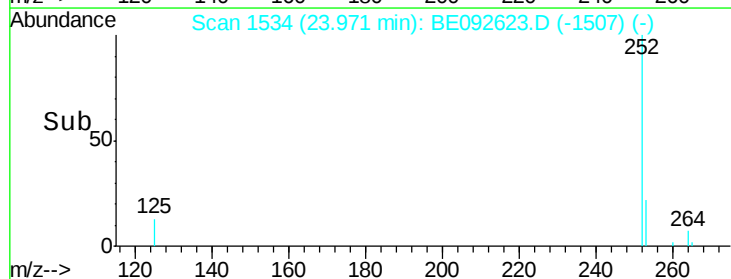
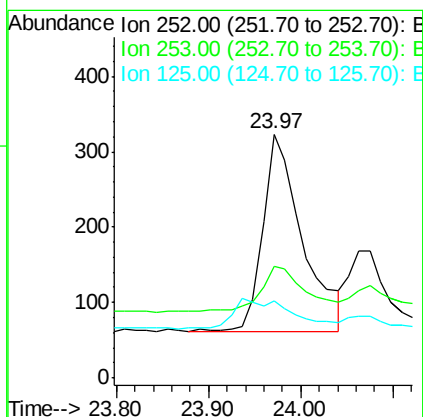
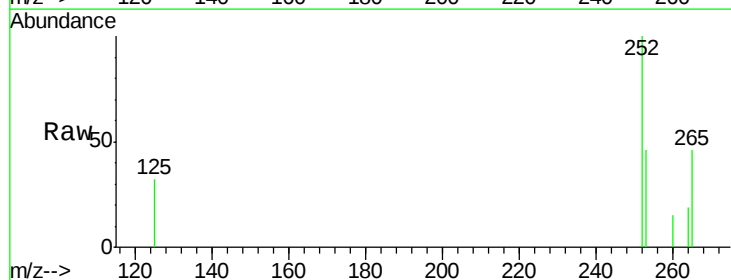
Tgt Ion:252 Resp: 778

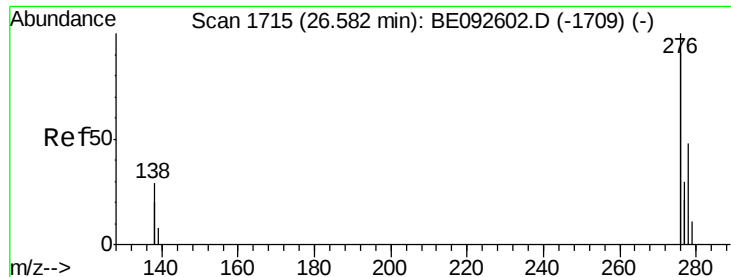
Ion Ratio Lower Upper

252 100

253 45.8 19.0 28.6#

125 31.6 11.8 17.8#





#35

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.05 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT1-2017

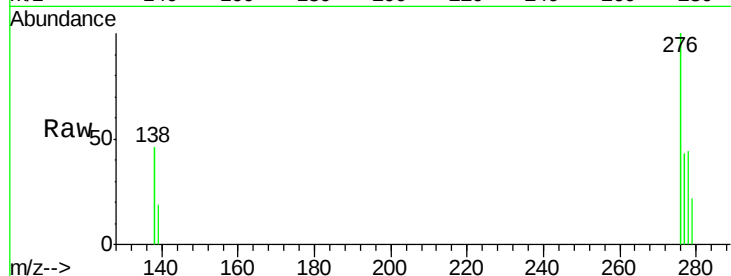
Tgt Ion: 278 Resp: 813

Ion Ratio Lower Upper

278 100

139 42.4 13.8 20.8#

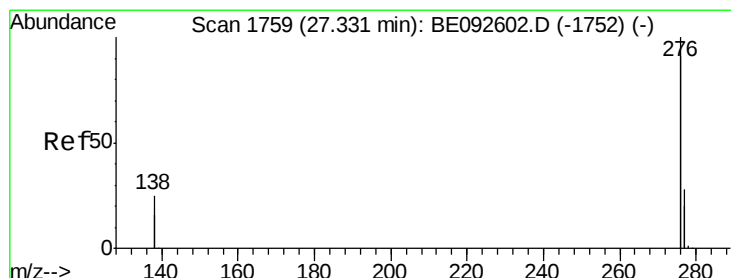
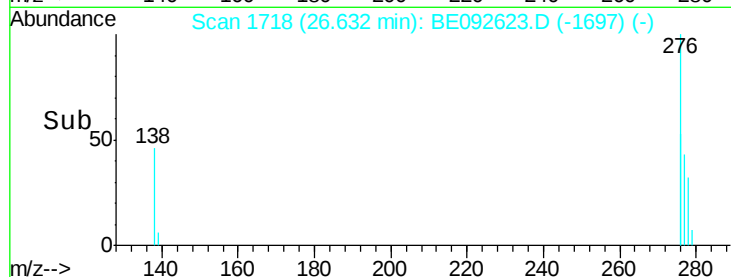
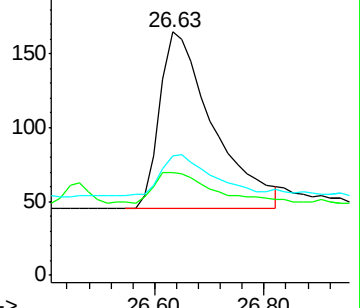
279 49.1 21.4 32.2#



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: 0.09 ng

RT: 27.37 min Scan# 1761

Delta R.T. 0.03 min

Lab File: BE092623.D

Acq: 27 Dec 2016 15:20

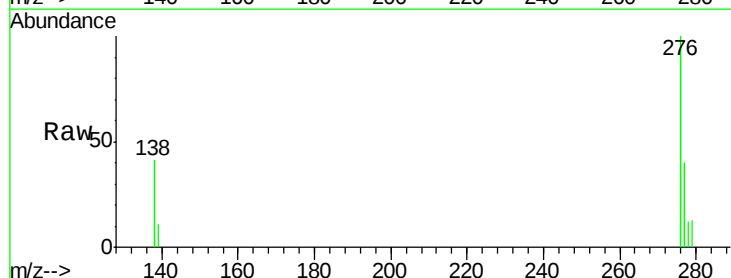
Tgt Ion: 276 Resp: 3909

Ion Ratio Lower Upper

276 100

277 39.5 19.8 29.8#

138 40.7 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

