

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094432.D
 Acq On : 17 Oct 2017 16:48
 Operator : SJ/JU
 Sample : I5275-02
 Misc : LOQ 0.2 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Quant Time: Oct 17 20:18:41 2017
 Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1233	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	6363	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3993	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7015	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9800	0.40	ng	0.00
34) Perylene-d12	23.96	264	9262	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	1440	0.35	ng	0.00
5) Phenol-d6	7.13	99	2101	0.32	ng	0.00
8) Nitrobenzene-d5	9.08	82	1968	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	3747	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	438	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5247	0.37	ng	0.02
25) Fluoranthene-d10	19.29	212	39926	0.35	ng	0.00
29) Terphenyl-d14	19.87	244	6905	0.35	ng	0.00

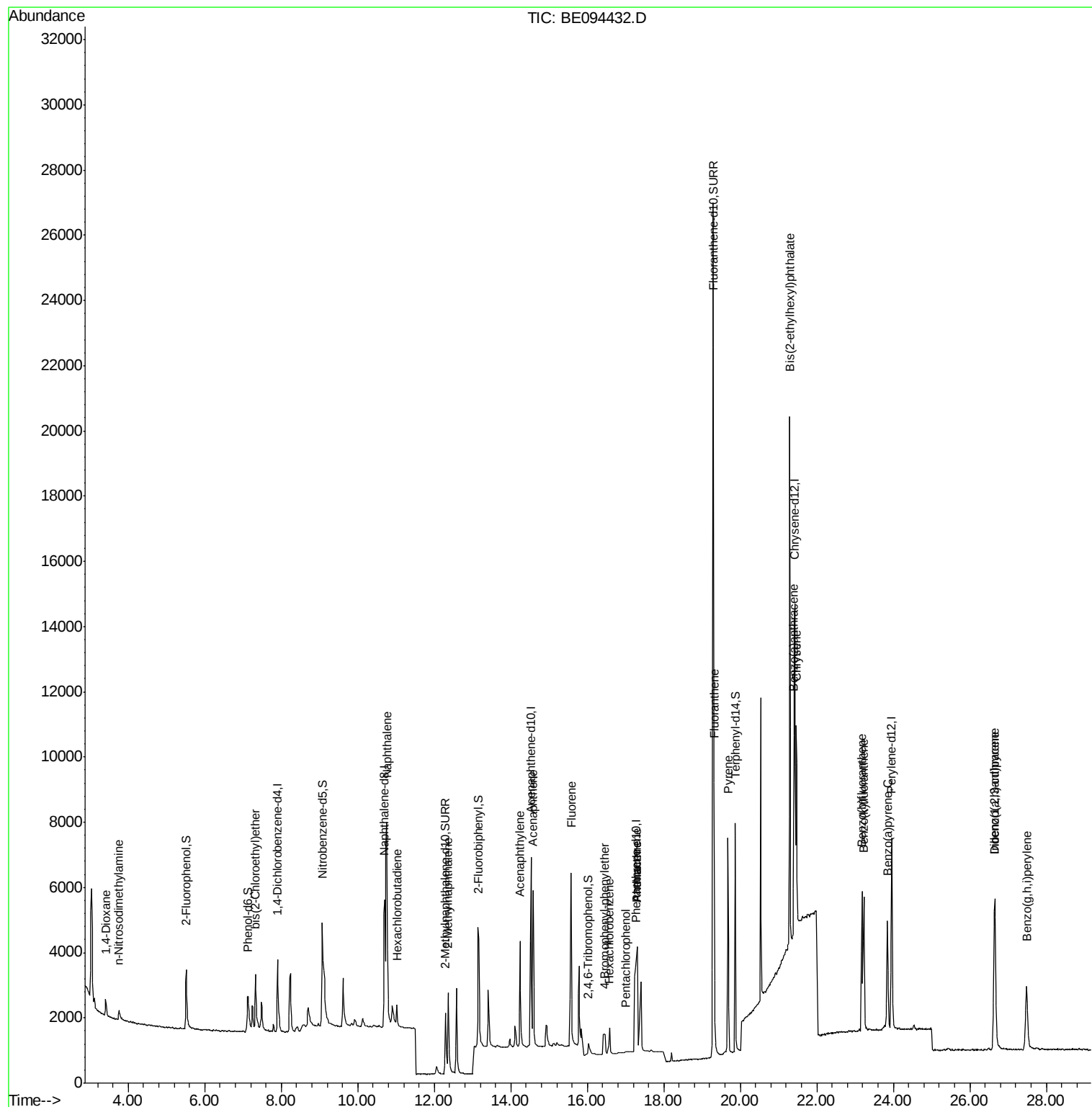
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	464	0.178	ng	# 92
3) n-Nitrosodimethylamine	3.75	42	365	0.170	ng	# 87
6) bis(2-Chloroethyl)ether	7.33	93	937	0.195	ng	87
9) Naphthalene	10.76	128	14610	0.205	ng	99
10) Hexachlorobutadiene	11.02	225	575	0.202	ng	98
12) 2-Methylnaphthalene	12.37	142	2466	0.210	ng	99
16) Acenaphthylene	14.24	152	4168	0.192	ng	100
17) Acenaphthene	14.58	154	2684	0.197	ng	98
18) Fluorene	15.58	166	3459	0.197	ng	97
20) 4-Bromophenyl-phenylether	16.45	248	706	0.201	ng	# 58
21) Hexachlorobenzene	16.58	284	1226	0.193	ng	# 57
22) Pentachlorophenol	17.01	266	74	0.257	ng	98
23) Phenanthrene	17.30	178	6110	0.221	ng	98
24) Anthracene	17.30	178	6096	0.286	ng	97
26) Fluoranthene	19.32	202	6484	0.189	ng	100
28) Pyrene	19.67	202	6966	0.188	ng	100
30) Benzo(a)anthracene	21.40	228	6512	0.192	ng	# 67
31) Chrysene	21.46	228	6594	0.202	ng	# 69
32) Bis(2-ethylhexyl)phthalate	21.29	149	17758	0.182	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	6321	0.192	ng	99
35) Benzo(b)fluoranthene	23.18	252	6205	0.198	ng	# 48
36) Benzo(k)fluoranthene	23.23	252	6342	0.205	ng	# 49
37) Benzo(a)pyrene	23.84	252	5774	0.196	ng	# 45
38) Dibenzo(a,h)anthracene	26.65	278	5513	0.197	ng	# 56
39) Benzo(g,h,i)perylene	27.48	276	5218	0.194	ng	# 63

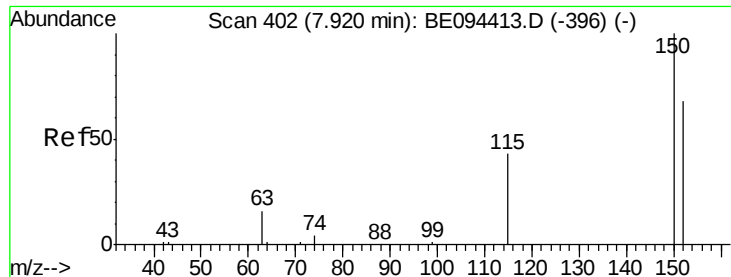
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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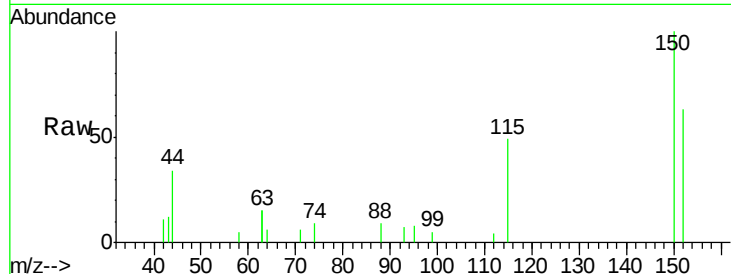


#1

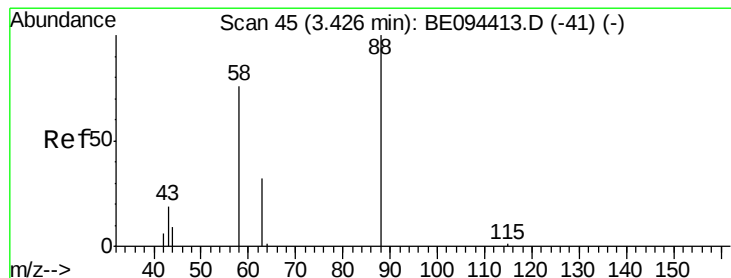
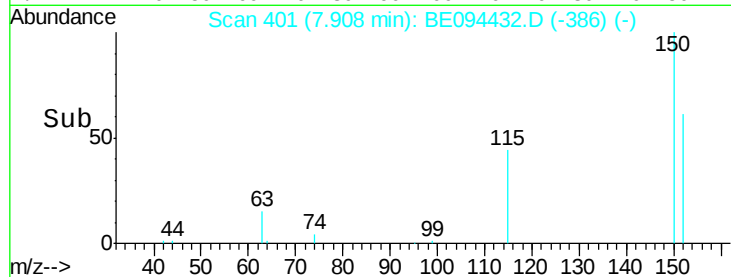
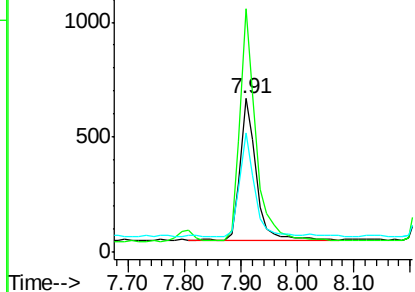
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094432.D
Acq: 17 Oct 2017 16:48

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tgt Ion: 152 Resp: 1233
Ion Ratio Lower Upper
152 100
150 158.4 117.2 175.8
115 77.7 57.0 85.6



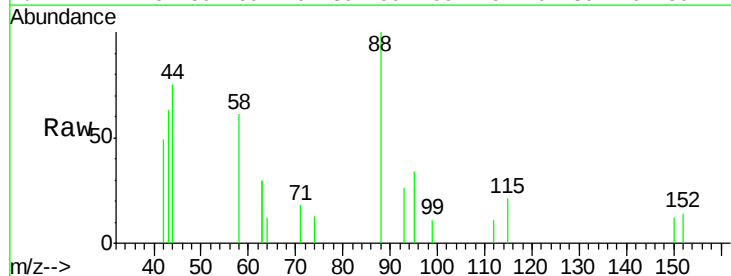
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



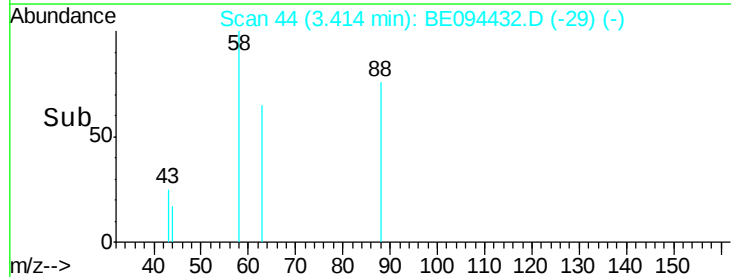
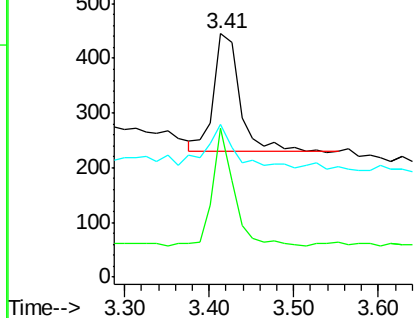
#2

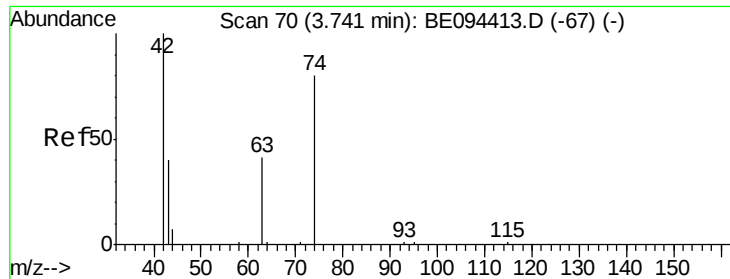
1,4-Dioxane
Concen: 0.178 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094432.D
Acq: 17 Oct 2017 16:48

Tgt Ion: 88 Resp: 464
Ion Ratio Lower Upper
88 100
58 80.0 63.2 94.8
43 37.7 41.2 61.8#



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: 0.170 ng

RT: 3.75 min Scan# 71

Delta R.T. 0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

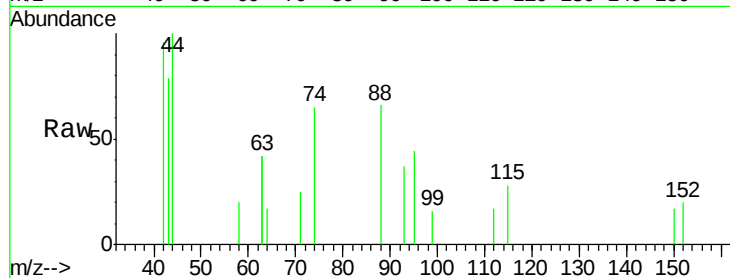
Tgt Ion: 42 Resp: 365

Ion Ratio Lower Upper

42 100

74 137.3 100.3 150.5

44 7.4 17.0 25.4#



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

3.75

300

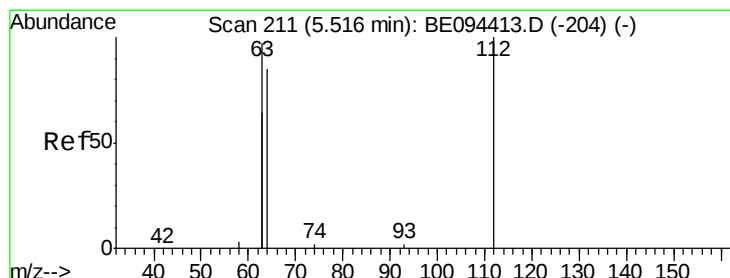
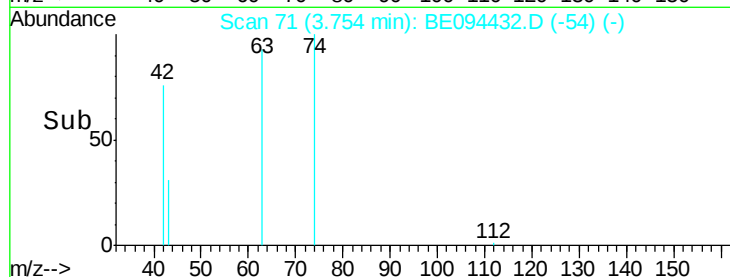
200

100

0

3.70 3.80 3.90

Time-->



#4

2-Fluorophenol

Concen: 0.346 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

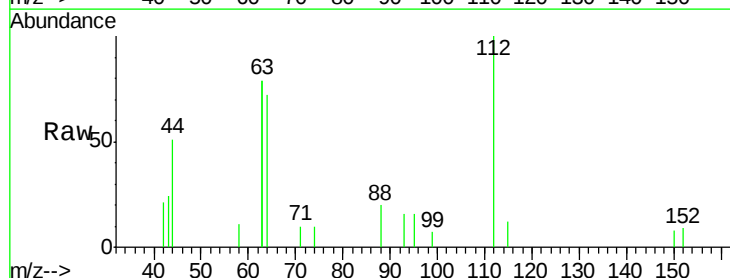
Tgt Ion: 112 Resp: 1440

Ion Ratio Lower Upper

112 100

64 75.8 60.1 90.1

63 146.7 116.8 175.2



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

5.52

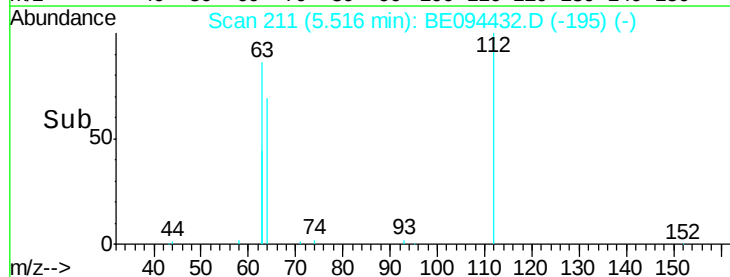
1000

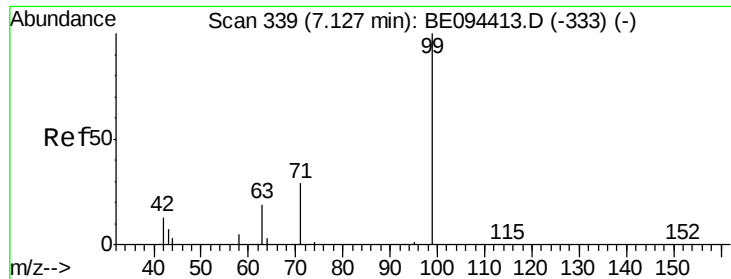
500

0

5.40 5.50 5.60 5.70

Time-->





#5

Phenol-d6

Concen: 0.323 ng

RT: 7.13 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

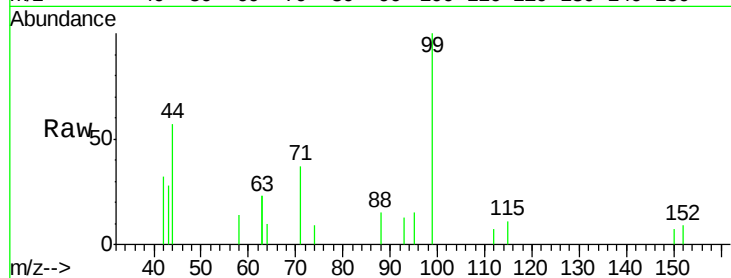
Tgt Ion: 99 Resp: 2101

Ion Ratio Lower Upper

99 100

42 19.2 20.2 30.2#

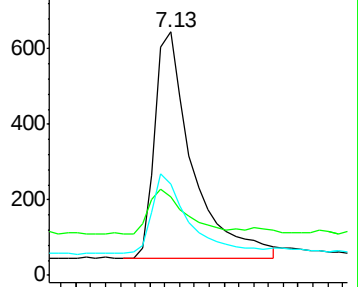
71 35.8 28.4 42.6



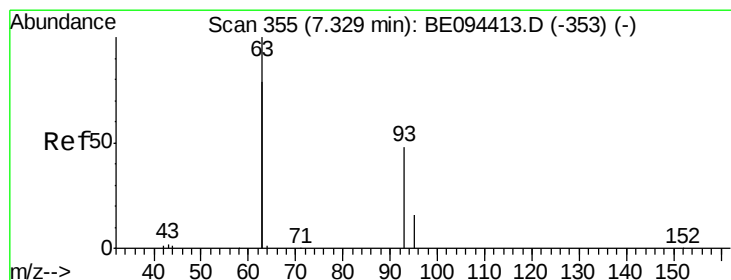
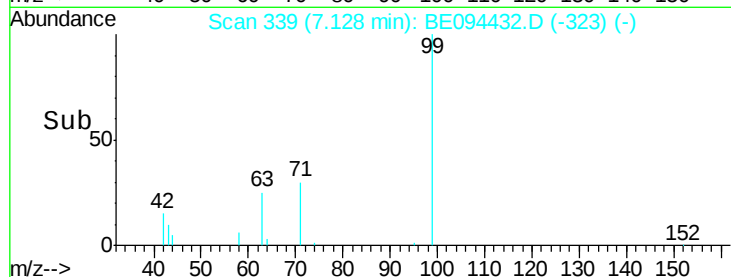
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.195 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

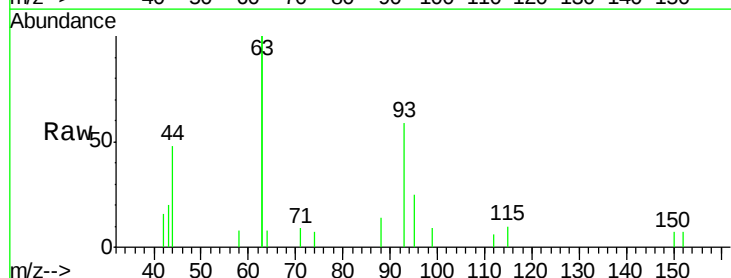
Tgt Ion: 93 Resp: 937

Ion Ratio Lower Upper

93 100

63 313.8 275.3 412.9

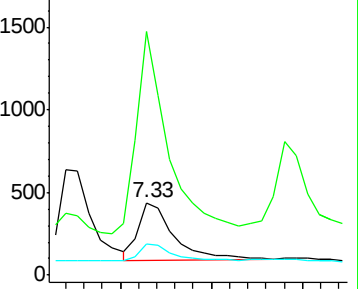
95 29.9 25.2 37.8



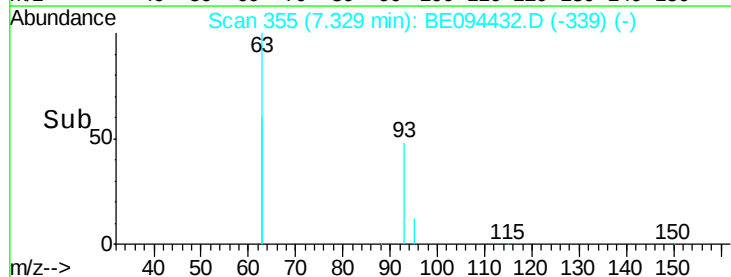
Abundance Ion 93.00 (92.70 to 93.70): BE0

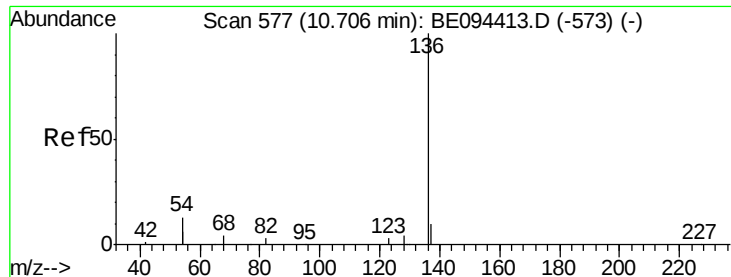
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

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LOQ-SOIL-02-QT4-2017

Tgt Ion:136 Resp: 6363

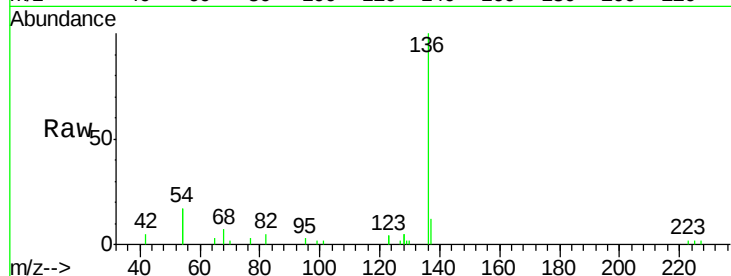
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 33.8 29.1 43.7

68 7.3 6.2 9.2

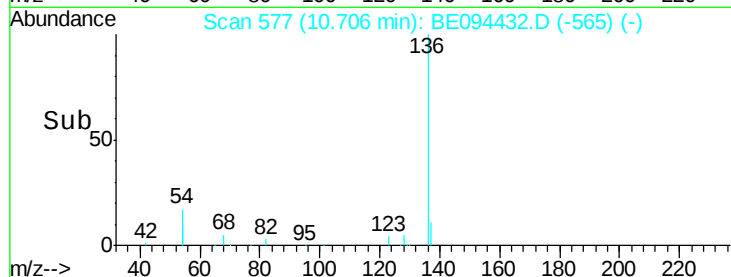


Abundance Ion 136.00 (135.70 to 136.70): E

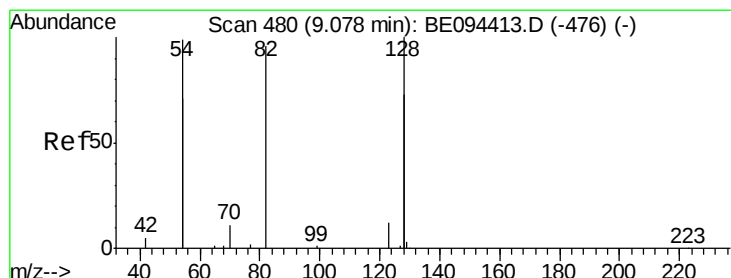
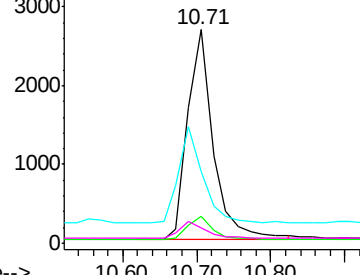
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.356 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

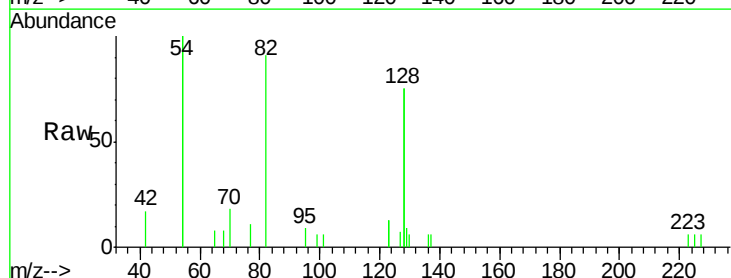
Tgt Ion: 82 Resp: 1968

Ion Ratio Lower Upper

82 100

128 163.2 150.0 225.0

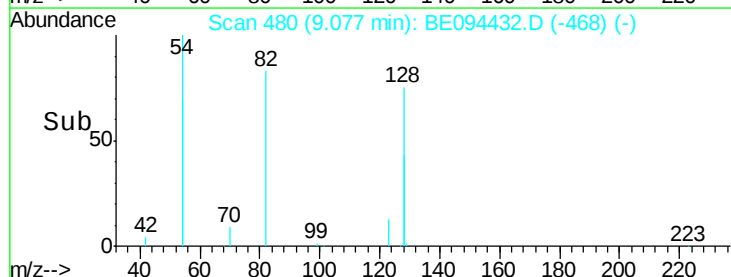
54 219.1 154.2 231.4



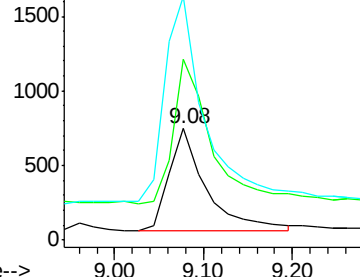
Abundance Ion 82.00 (81.70 to 82.70): BE0

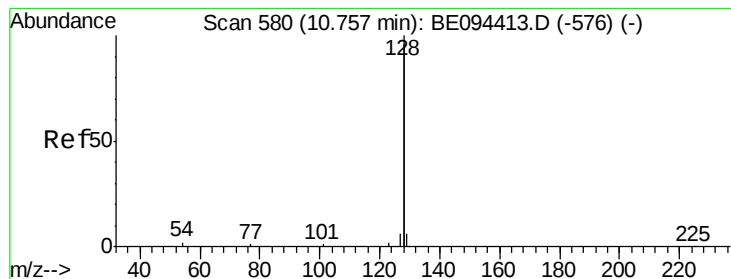
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 0.205 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

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ClientSampleId :

LOQ-SOIL-02-QT4-2017

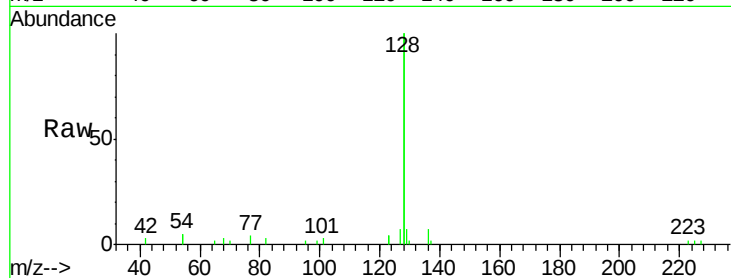
Tgt Ion:128 Resp: 14610

Ion Ratio Lower Upper

128 100

129 3.7 2.6 3.8

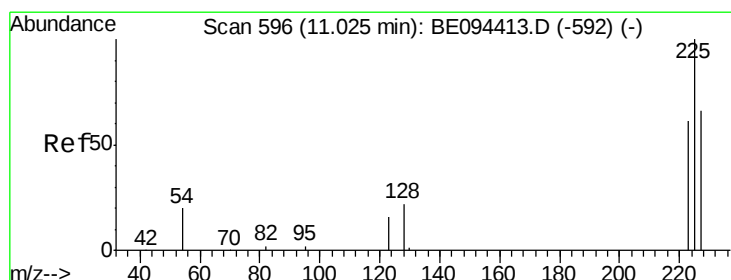
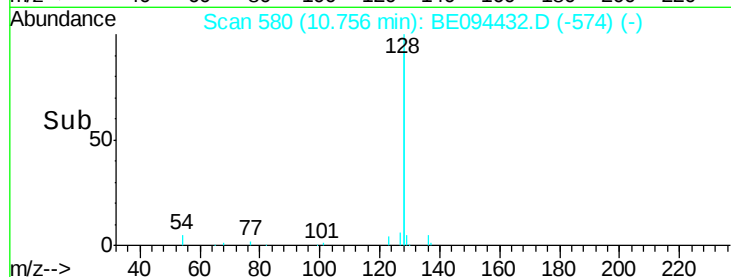
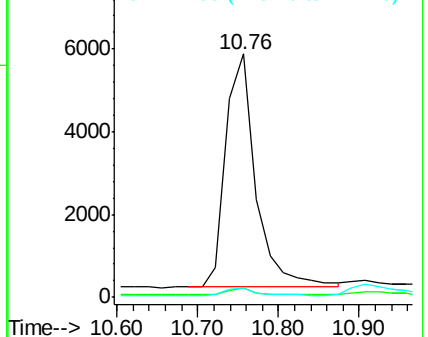
127 3.7 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.202 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

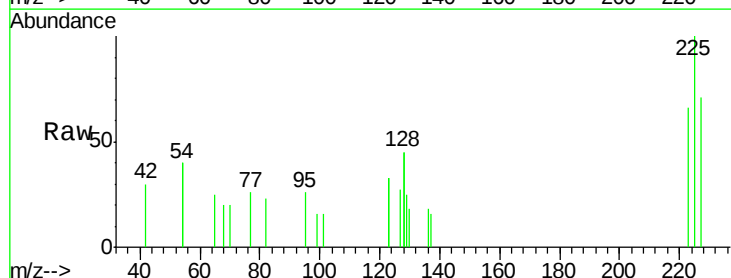
Tgt Ion:225 Resp: 575

Ion Ratio Lower Upper

225 100

223 64.2 53.0 79.6

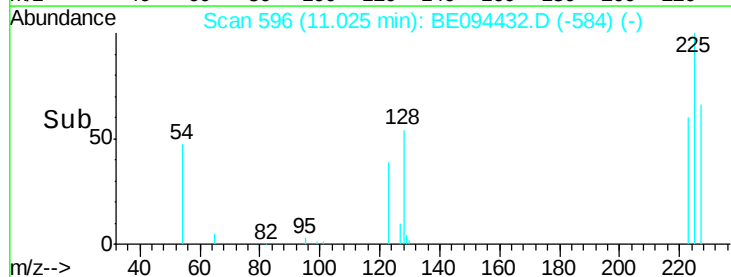
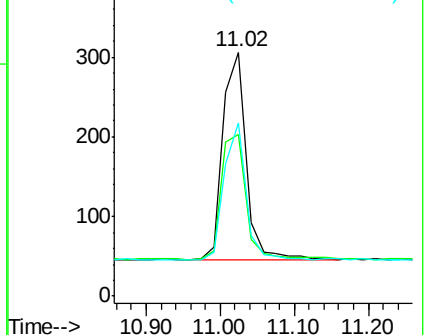
227 62.6 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.382 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

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ClientSampleId :

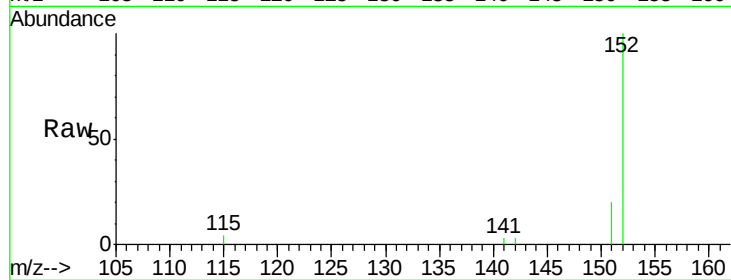
LOQ-SOIL-02-QT4-2017

Tgt Ion:152 Resp: 3747

Ion Ratio Lower Upper

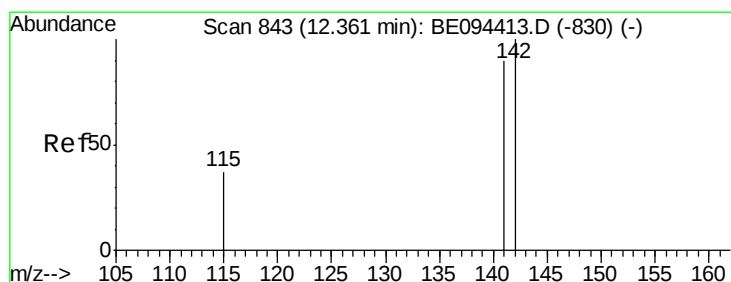
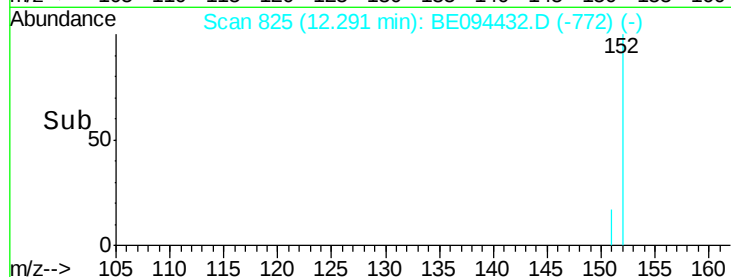
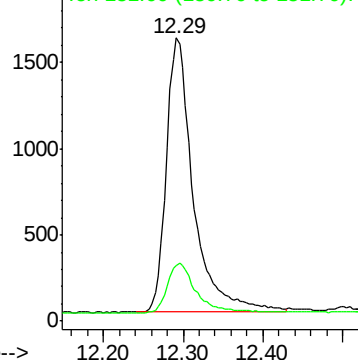
152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.210 ng

RT: 12.37 min Scan# 845

Delta R.T. 0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

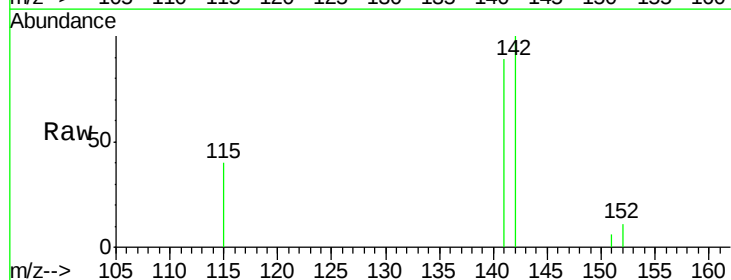
Tgt Ion:142 Resp: 2466

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

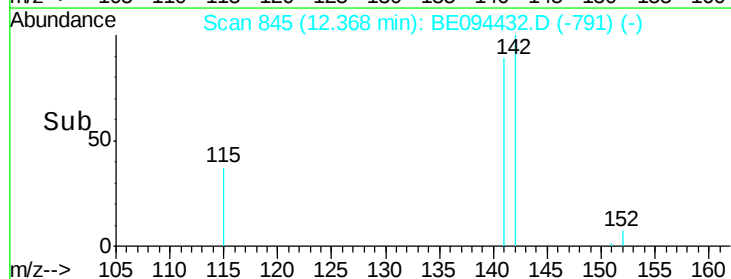
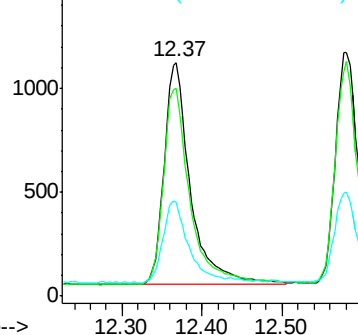
115 39.9 31.7 47.5

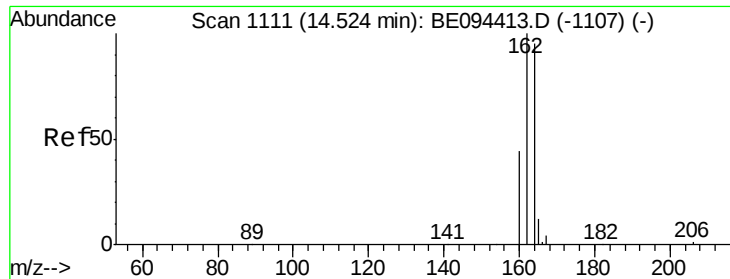


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

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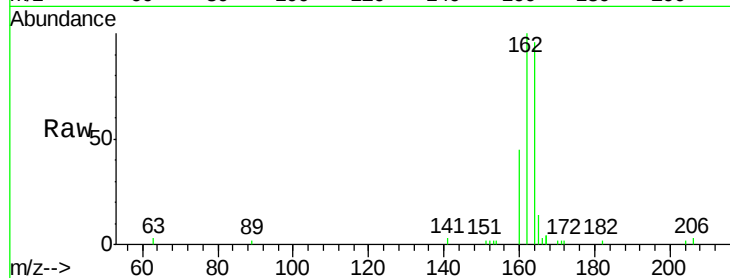
Tgt Ion:164 Resp: 3993

Ion Ratio Lower Upper

164 100

162 103.9 83.1 124.7

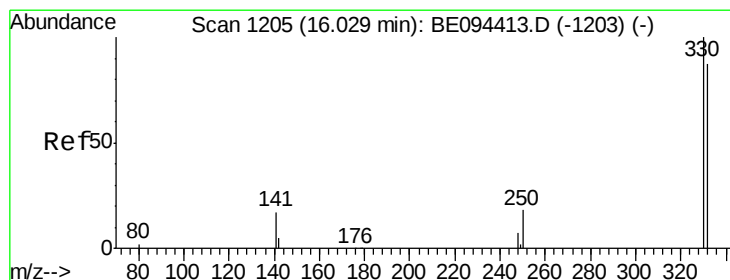
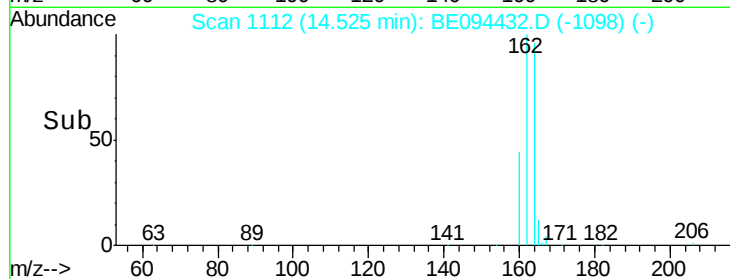
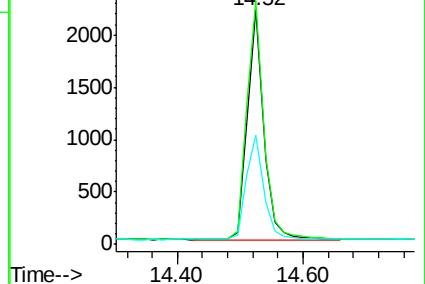
160 46.7 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.288 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

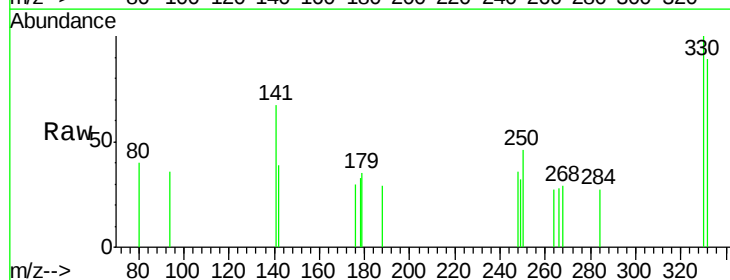
Tgt Ion:330 Resp: 438

Ion Ratio Lower Upper

330 100

332 94.3 152.7 229.1#

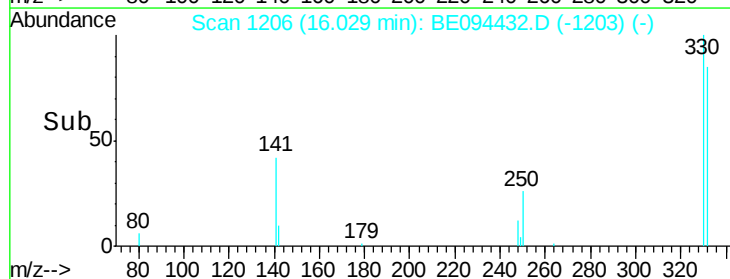
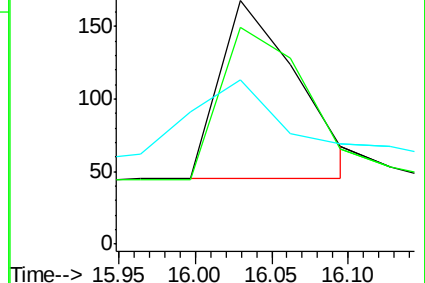
141 22.8 33.7 50.5#

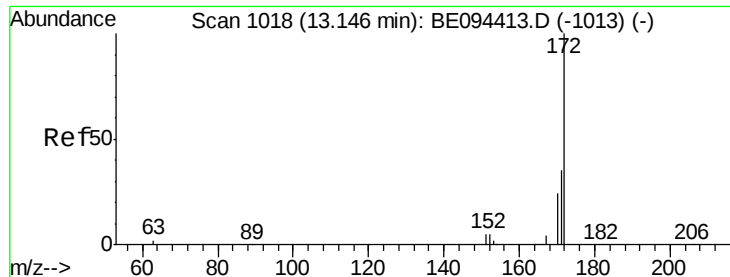


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

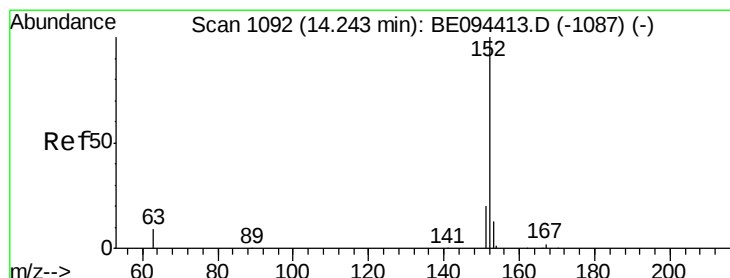
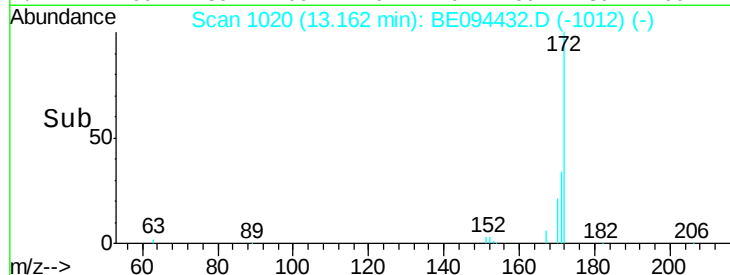
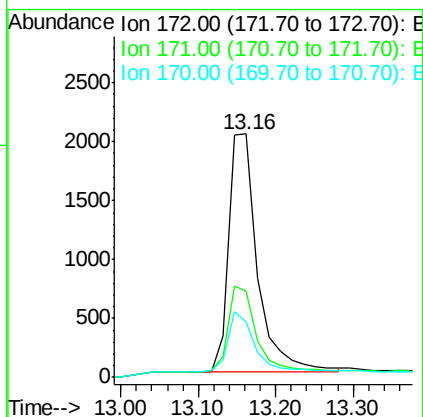
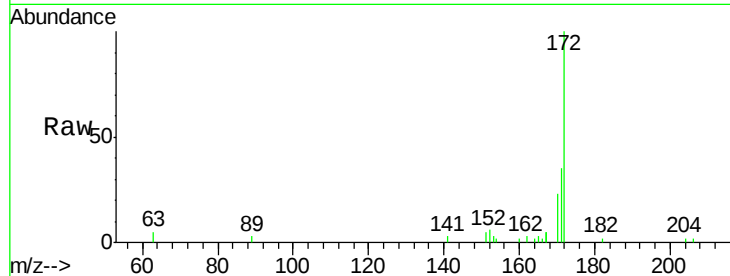




#15
 2-Fluorobiphenyl
 Concen: 0.368 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. 0.02 min
 Lab File: BE094432.D
 Acq: 17 Oct 2017 16:48

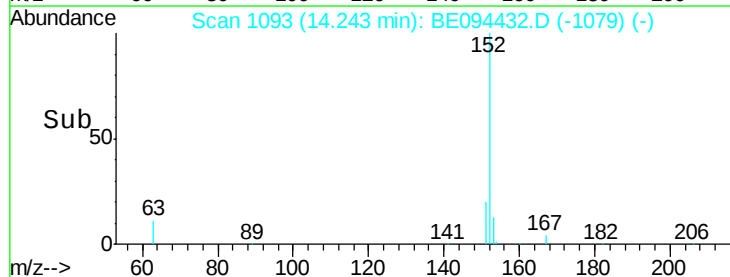
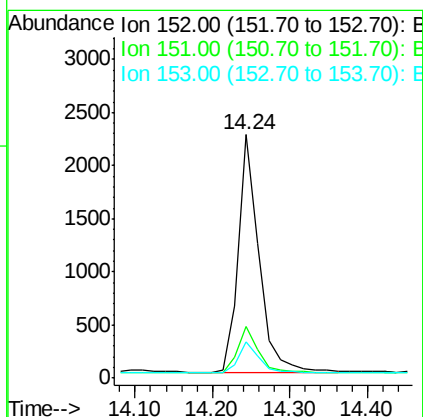
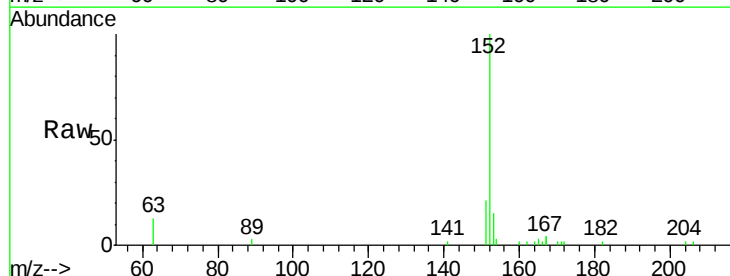
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

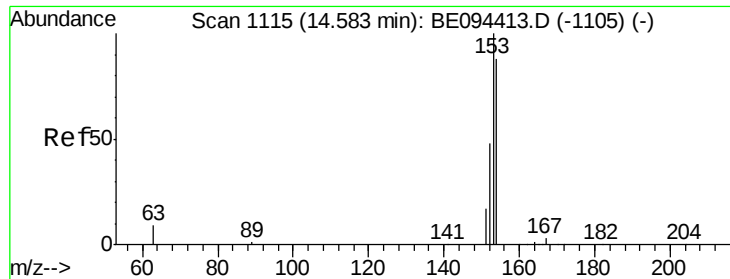
Tgt Ion:172 Resp: 5247
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.9 44.9
 170 22.6 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.192 ng
 RT: 14.24 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BE094432.D
 Acq: 17 Oct 2017 16:48

Tgt Ion:152 Resp: 4168
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.7 23.5
 153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.197 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

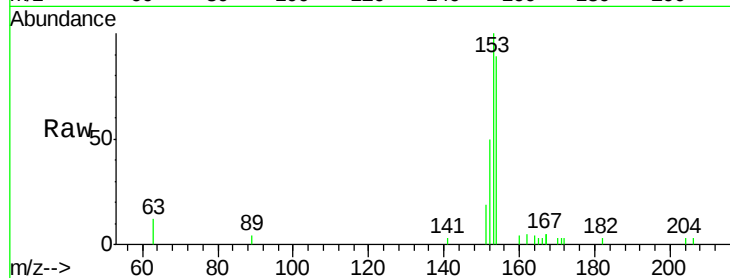
Tgt Ion:154 Resp: 2684

Ion Ratio Lower Upper

154 100

153 113.5 89.2 133.8

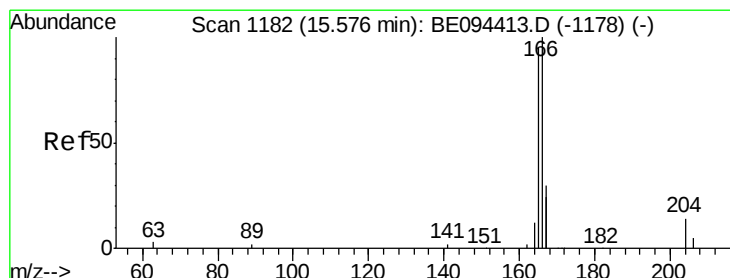
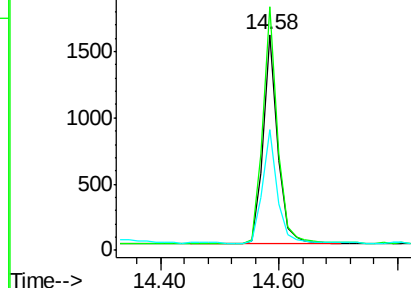
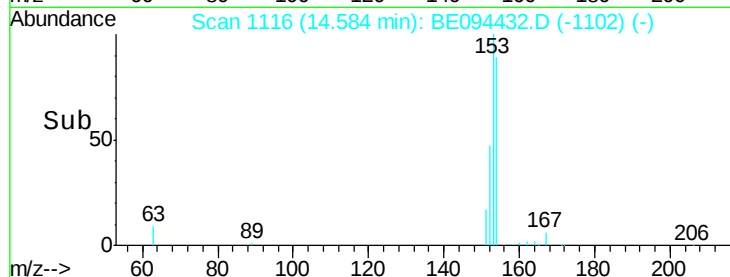
152 54.8 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.197 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

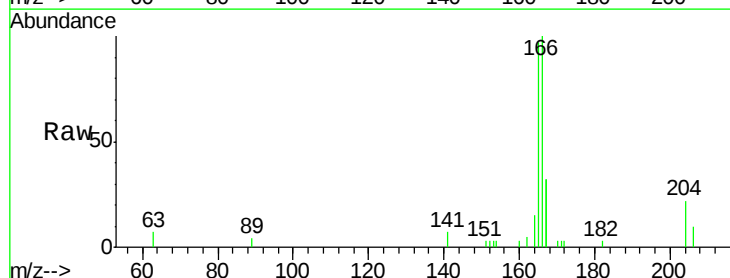
Tgt Ion:166 Resp: 3459

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

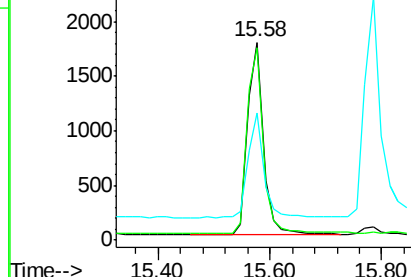
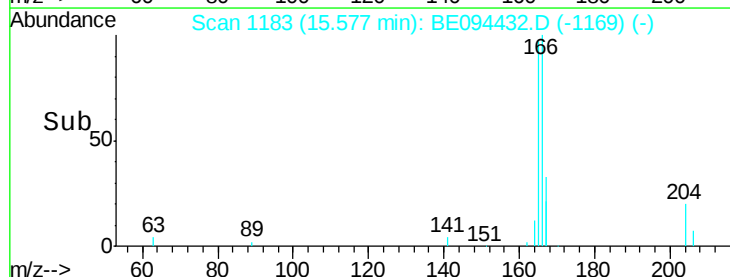
167 56.4 42.4 63.6

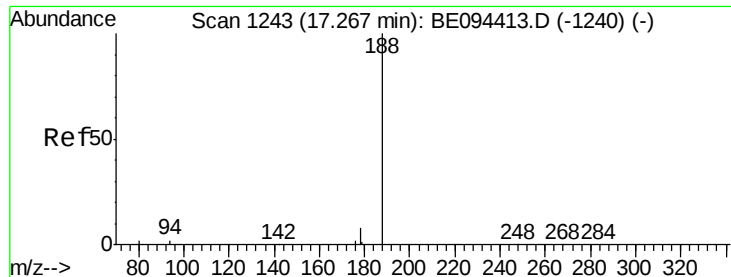


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

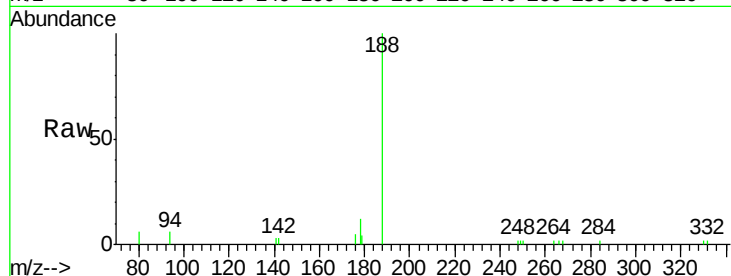
Tgt Ion:188 Resp: 7015

Ion Ratio Lower Upper

188 100

94 6.1 3.9 5.9#

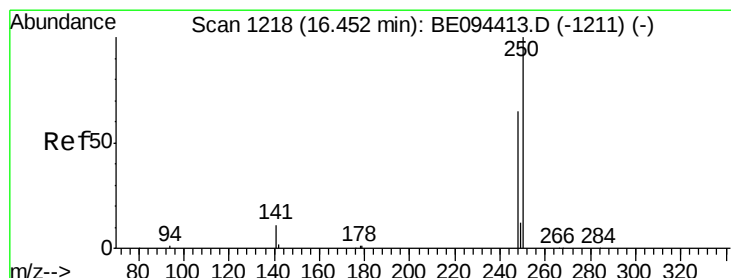
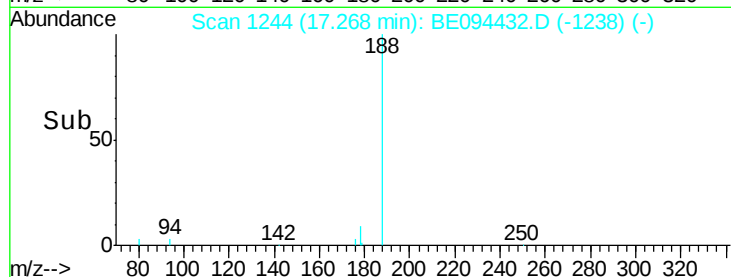
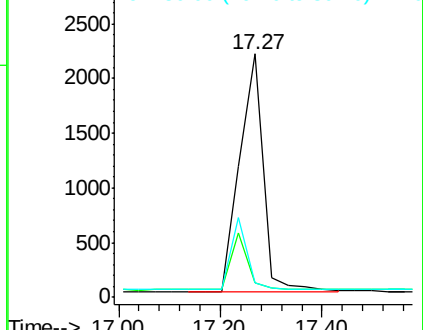
80 6.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.201 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

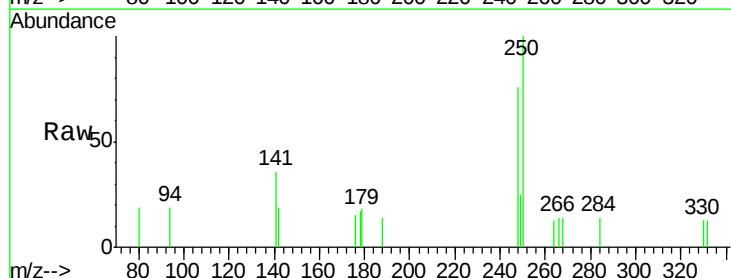
Tgt Ion:248 Resp: 706

Ion Ratio Lower Upper

248 100

250 131.2 62.7 94.1#

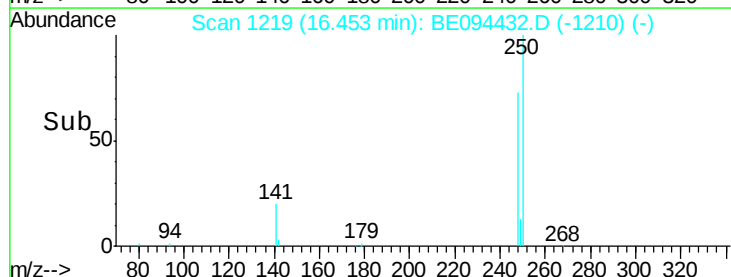
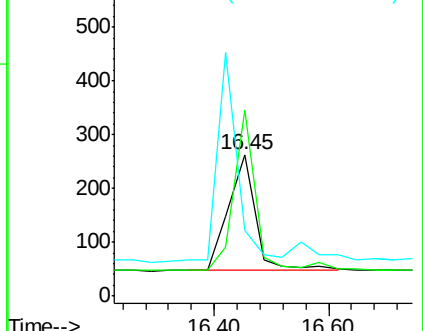
141 46.8 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.193 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

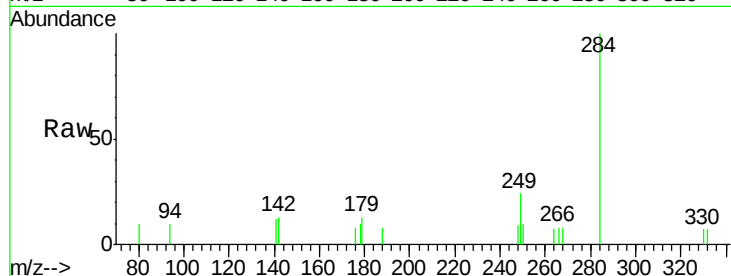
Tgt Ion:284 Resp: 1226

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 19.5 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.58

600

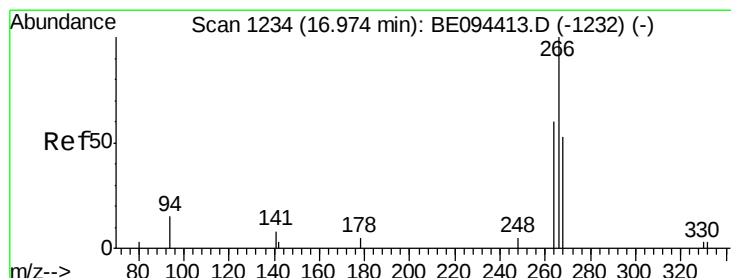
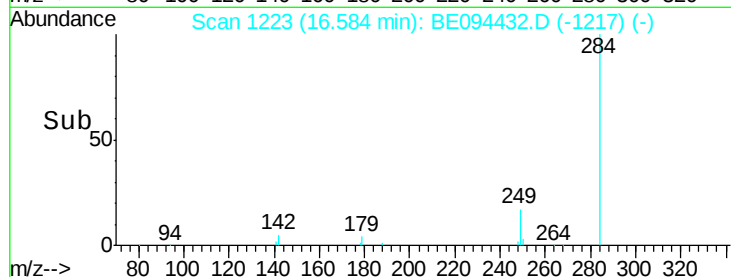
400

200

0

16.50 16.60 16.70

Time-->



#22

Pentachlorophenol

Concen: 0.257 ng

RT: 17.01 min Scan# 1236

Delta R.T. 0.03 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

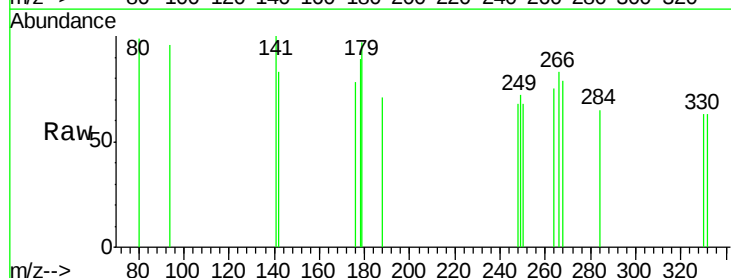
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

266 100

264 90.0 72.5 108.7

268 95.0 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.01

80

60

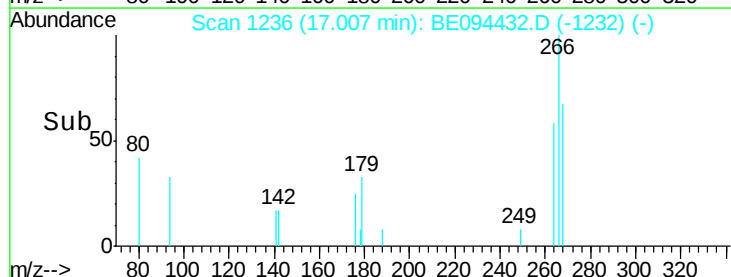
40

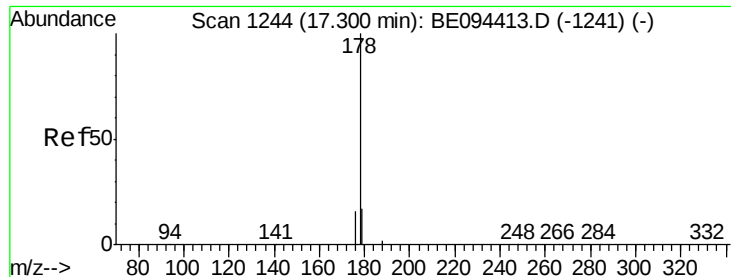
20

0

16.90 17.00 17.10 17.20

Time-->





#23

Phenanthrene

Concen: 0.221 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

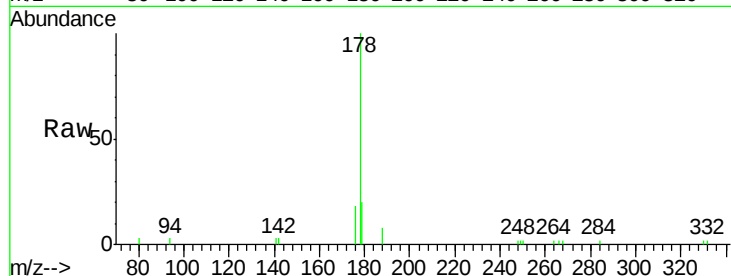
Tgt Ion:178 Resp: 6110

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

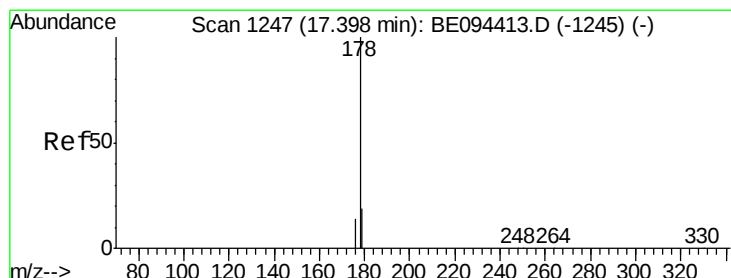
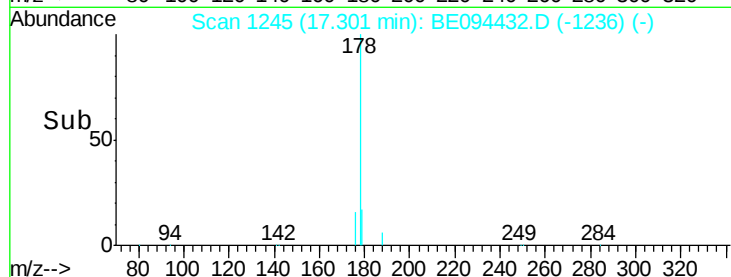
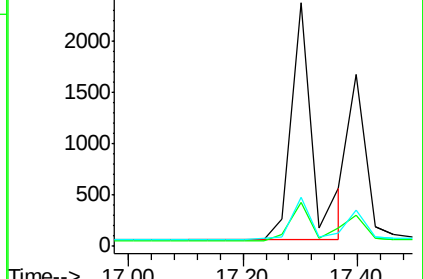
179 16.4 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.286 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

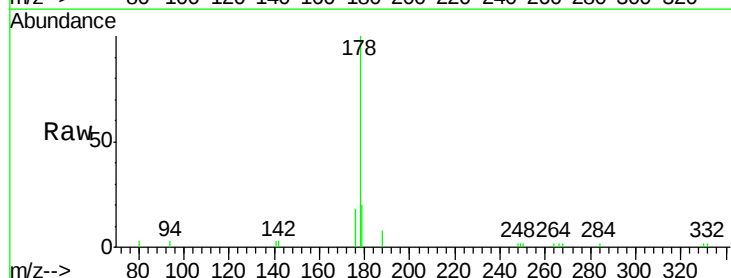
Tgt Ion:178 Resp: 6096

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

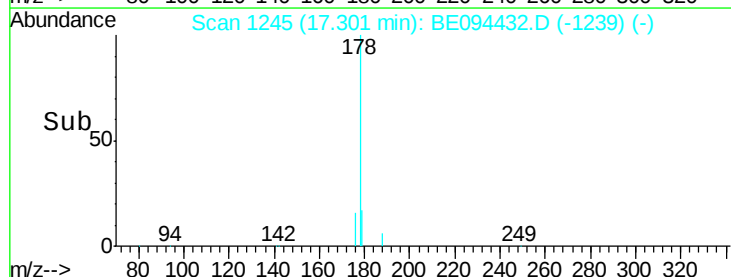
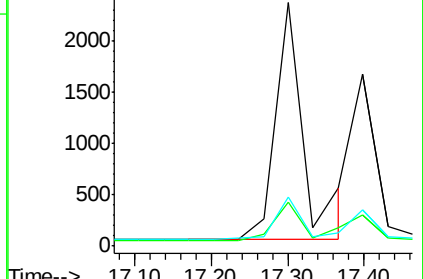
179 16.3 13.0 19.6

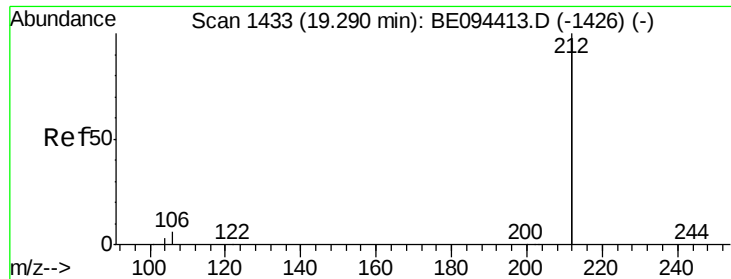


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

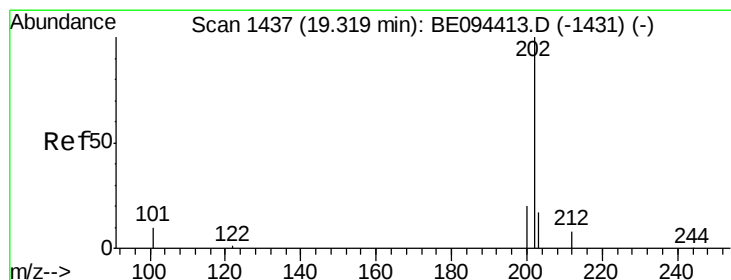
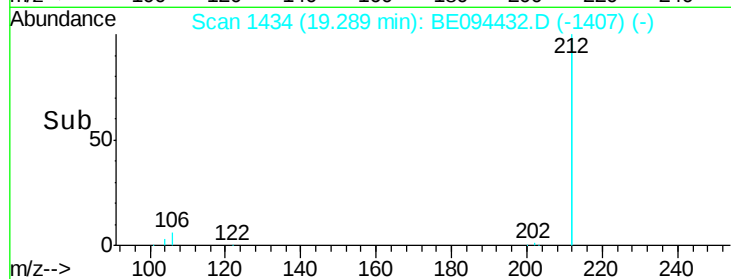
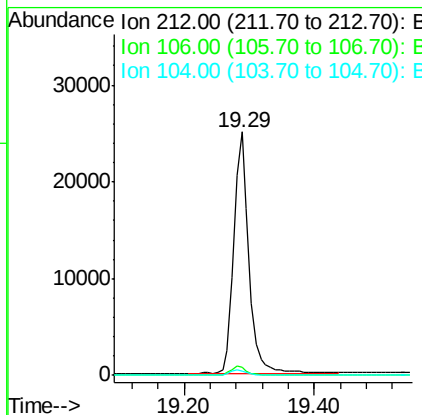
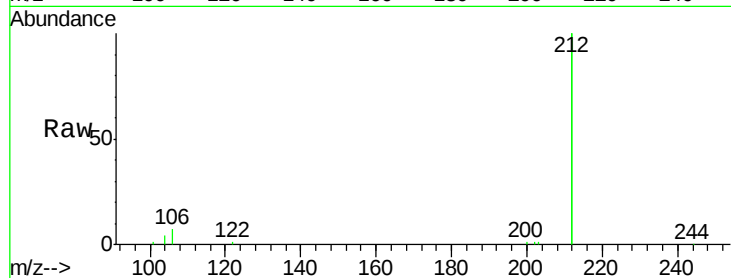
BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tgt Ion:212 Resp: 39926

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4



#26

Fluoranthene

Concen: 0.189 ng

RT: 19.32 min Scan# 1438

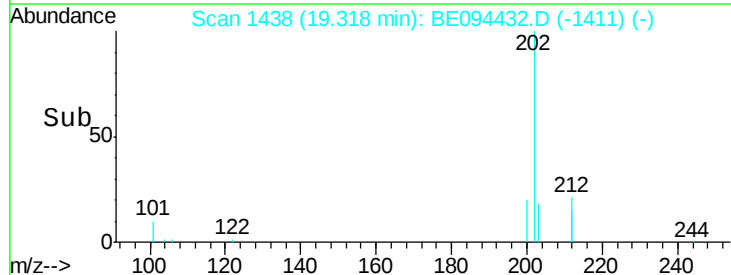
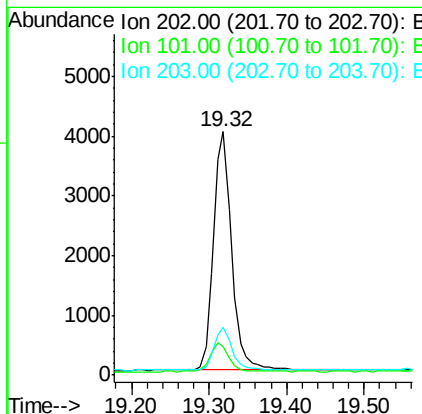
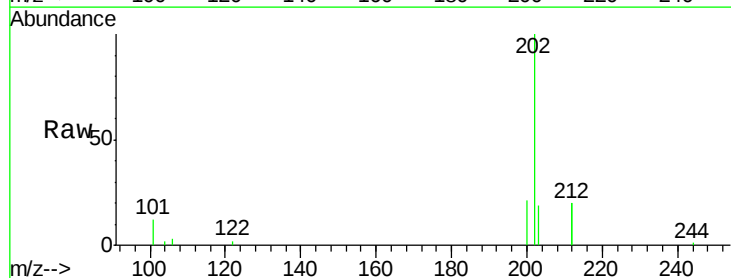
Delta R.T. -0.00 min

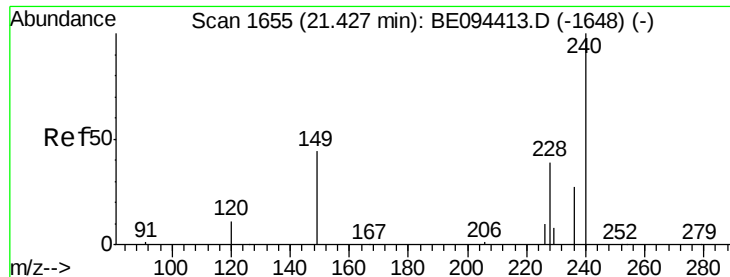
Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Tgt Ion:202 Resp: 6484

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
203	17.4	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

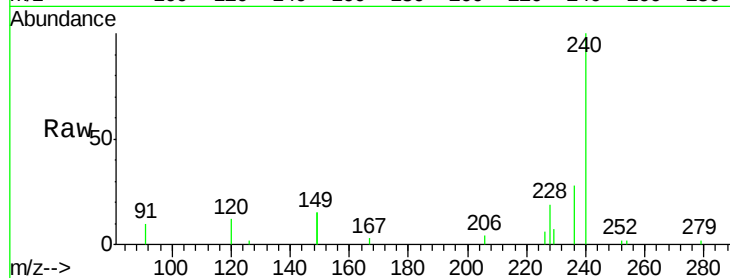
Tgt Ion:240 Resp: 9800

Ion Ratio Lower Upper

240 100

120 12.2 5.5 8.3#

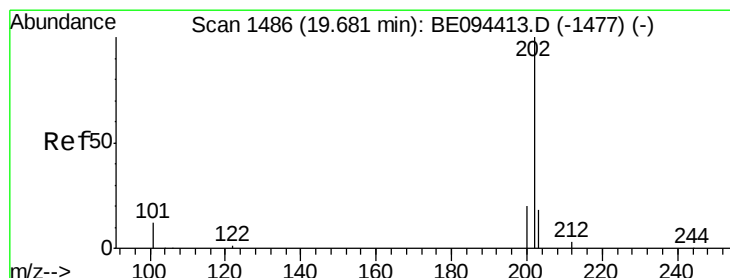
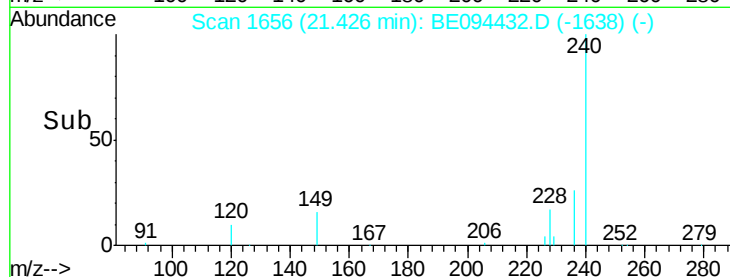
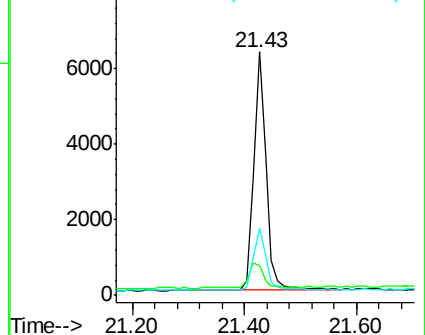
236 27.5 20.7 31.1



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



#28

Pyrene

Concen: 0.188 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

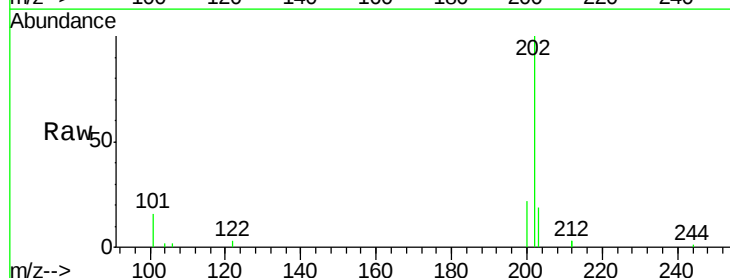
Tgt Ion:202 Resp: 6966

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

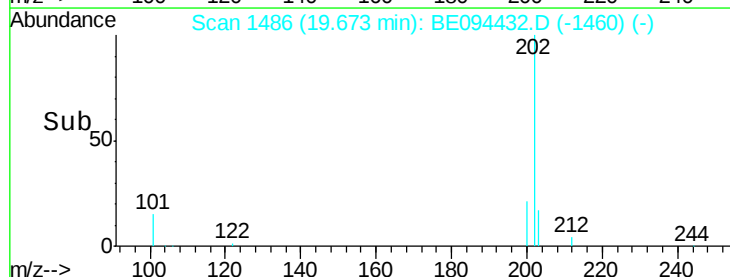
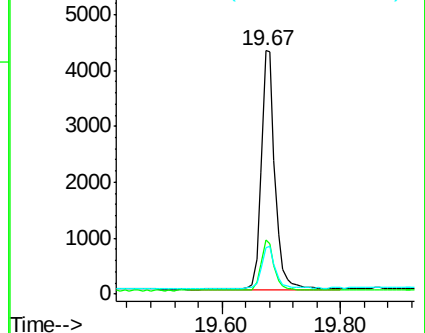
203 17.6 13.8 20.8

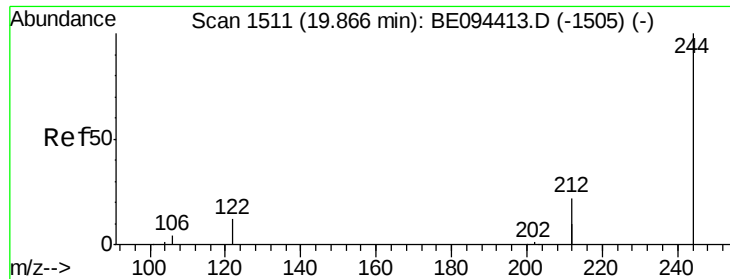


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.349 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

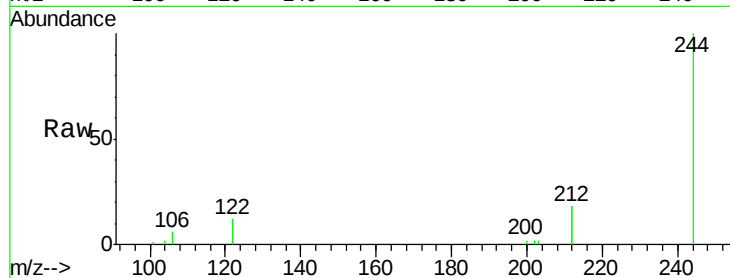
Tgt Ion:244 Resp: 6905

Ion Ratio Lower Upper

244 100

212 36.3 25.4 38.0

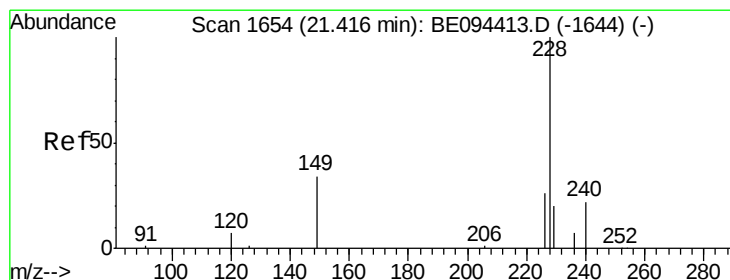
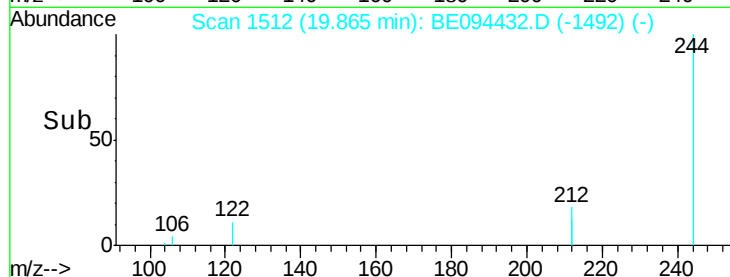
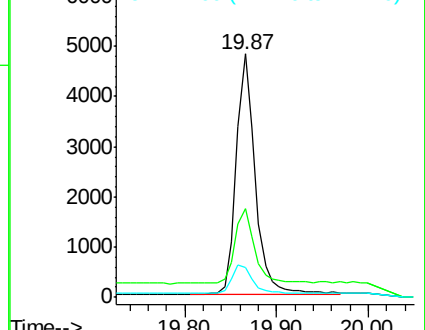
122 12.1 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.192 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

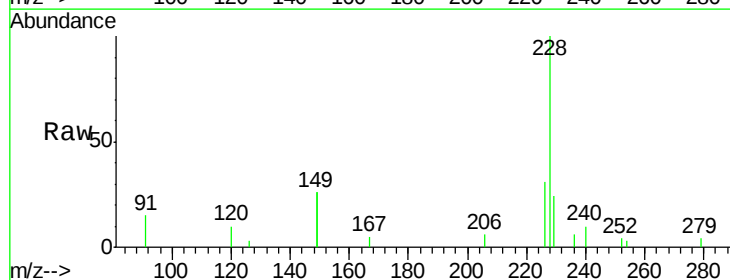
Tgt Ion:228 Resp: 6512

Ion Ratio Lower Upper

228 100

226 31.0 40.0 60.0#

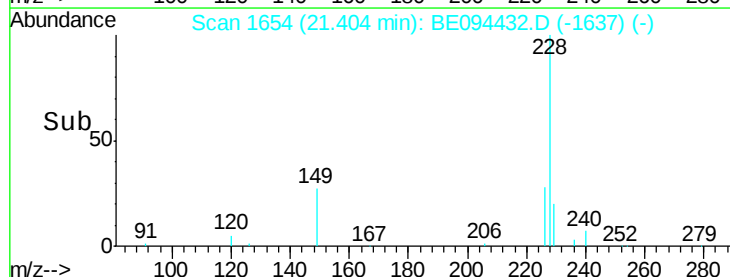
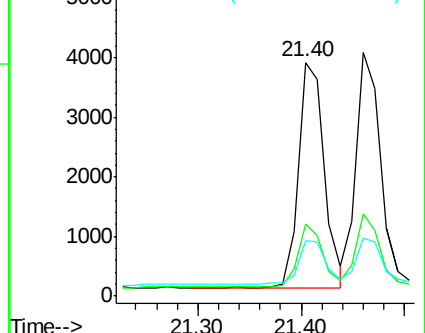
229 23.9 40.0 60.0#

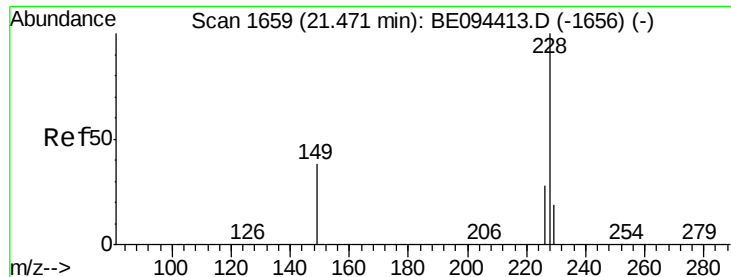


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.202 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

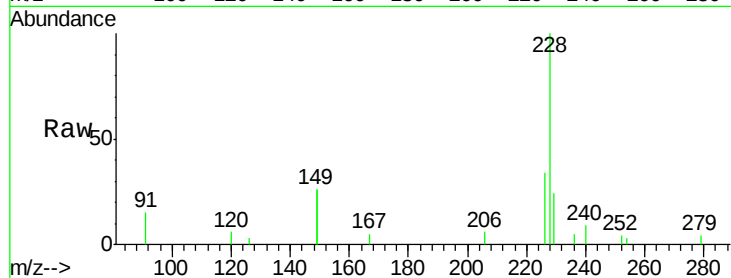
Tgt Ion:228 Resp: 6594

Ion Ratio Lower Upper

228 100

226 33.6 40.0 60.0#

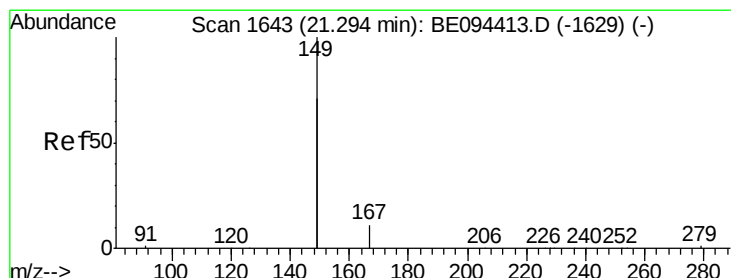
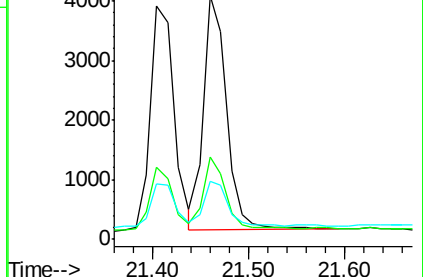
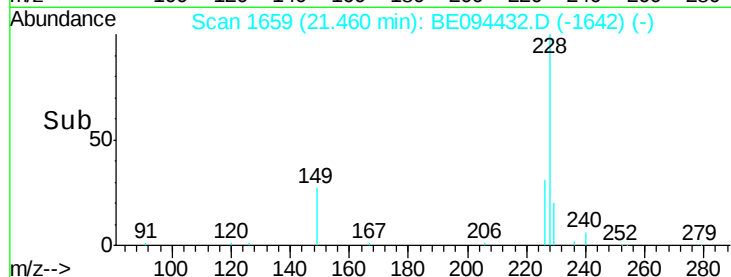
229 23.7 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.182 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

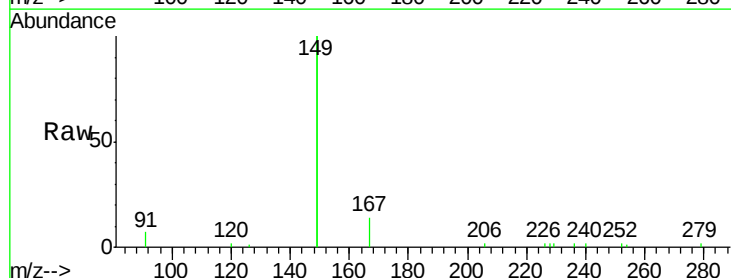
Tgt Ion:149 Resp: 17758

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

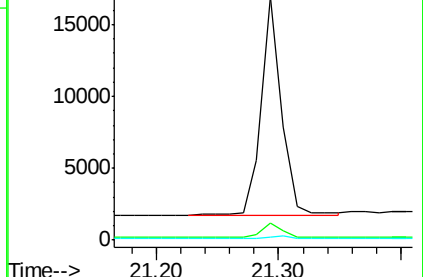
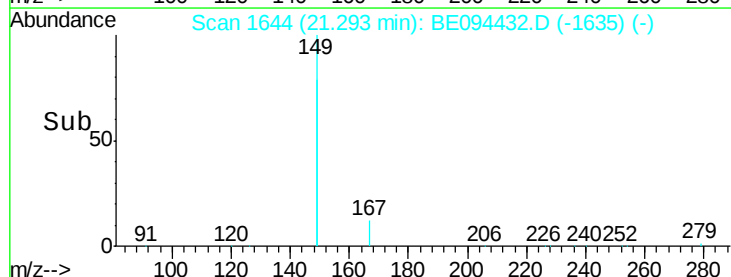
279 0.9 0.7 1.1



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.192 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

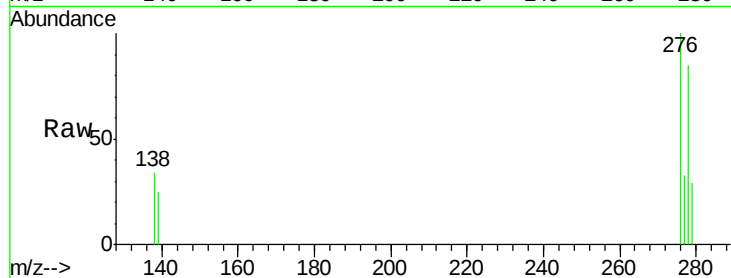
Tgt Ion:276 Resp: 6321

Ion Ratio Lower Upper

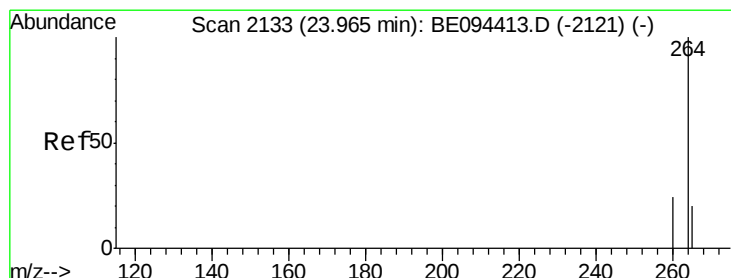
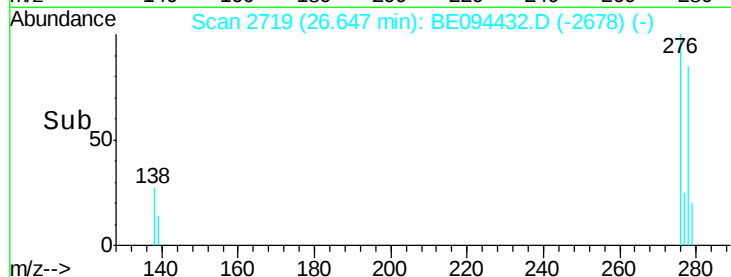
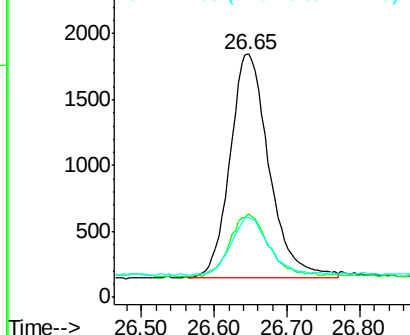
276 100

138 28.4 22.5 33.7

277 25.4 19.9 29.9



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

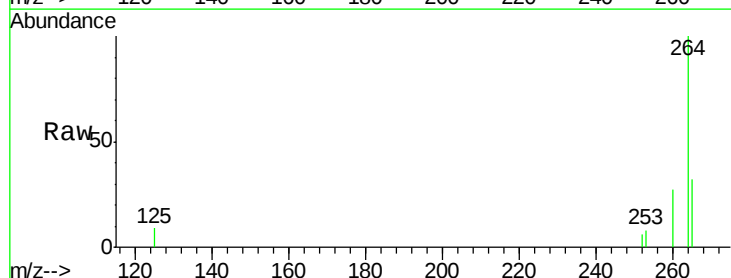
Tgt Ion:264 Resp: 9262

Ion Ratio Lower Upper

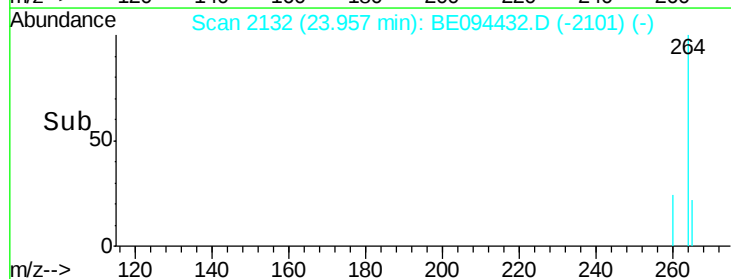
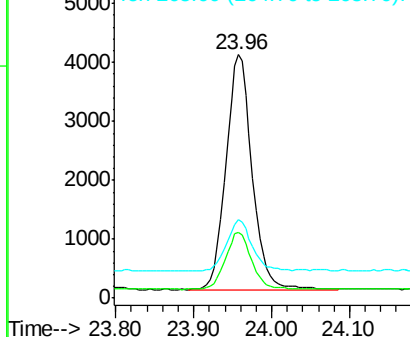
264 100

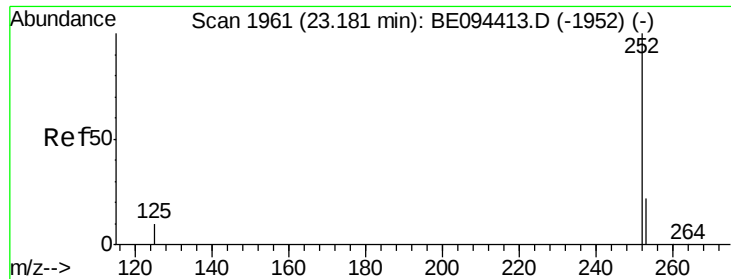
260 26.9 20.5 30.7

265 32.2 22.8 34.2



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





#35

Benzo(b)fluoranthene

Concen: 0.198 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

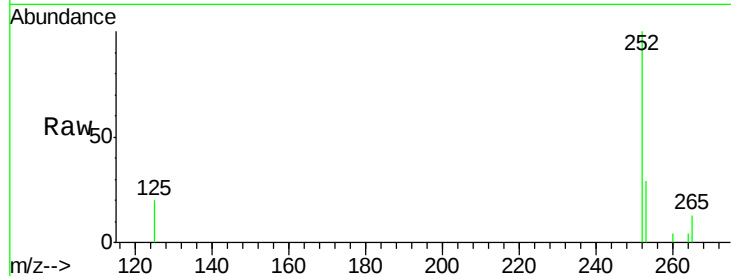
Tgt Ion:252 Resp: 6205

Ion Ratio Lower Upper

252 100

253 28.9 48.0 72.0#

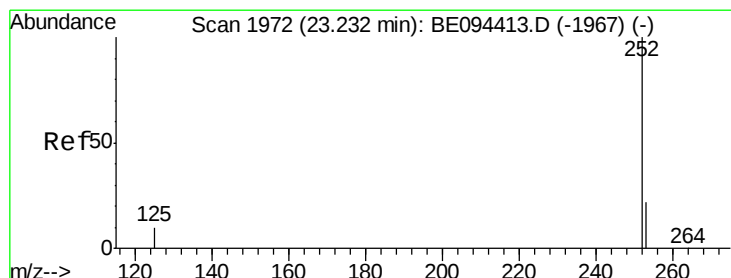
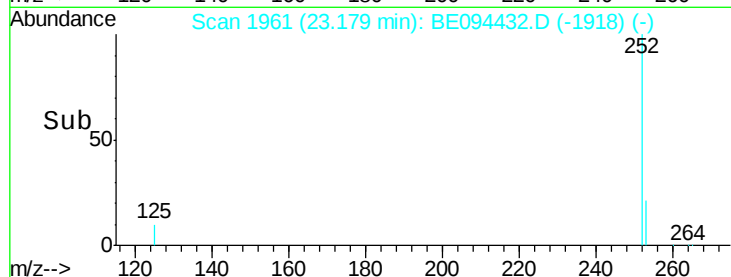
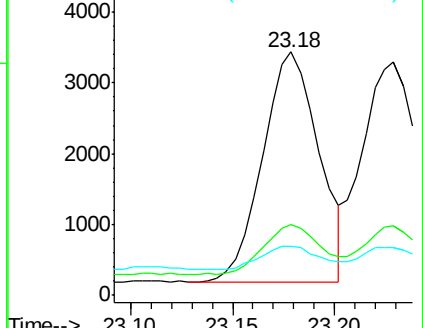
125 20.1 56.0 84.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.205 ng

RT: 23.23 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

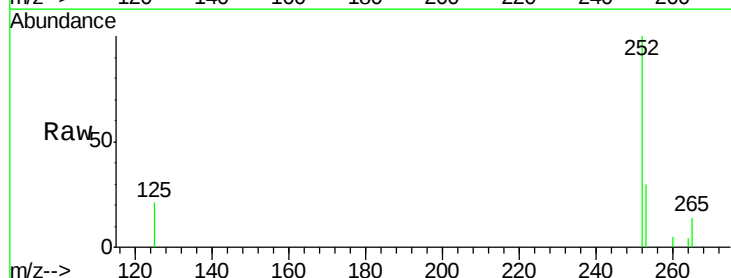
Tgt Ion:252 Resp: 6342

Ion Ratio Lower Upper

252 100

253 30.0 48.0 72.0#

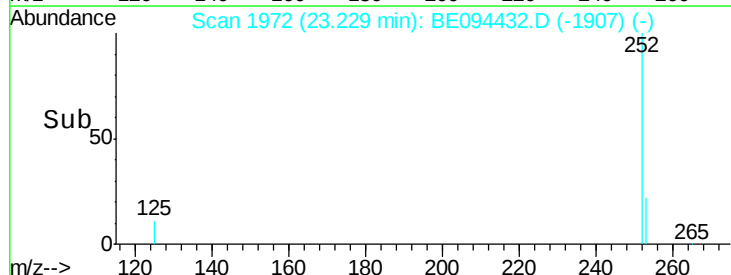
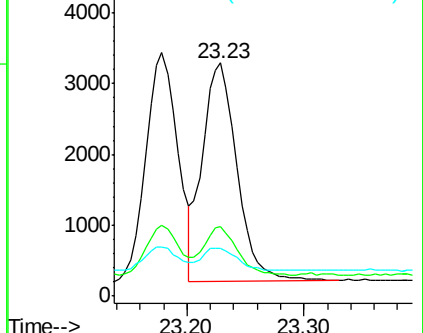
125 20.8 56.0 84.0#

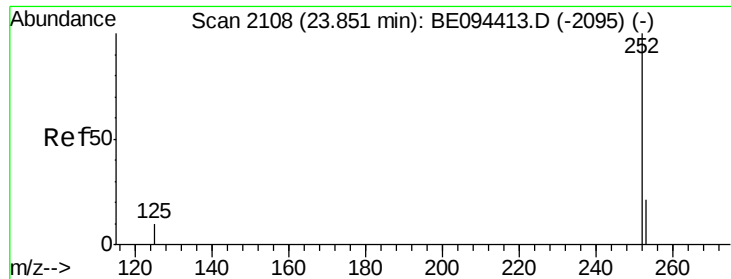


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.196 ng

RT: 23.84 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017

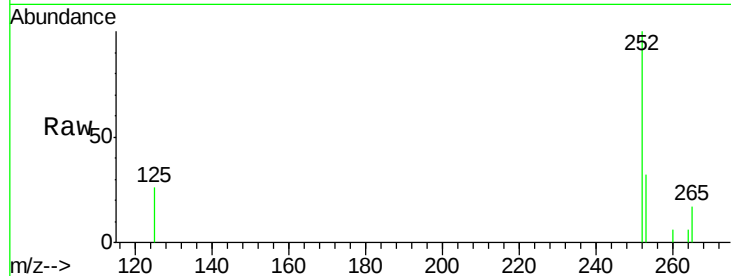
Tgt Ion:252 Resp: 5774

Ion Ratio Lower Upper

252 100

253 31.6 52.0 78.0#

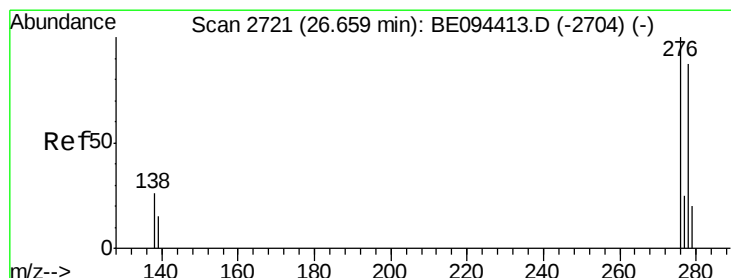
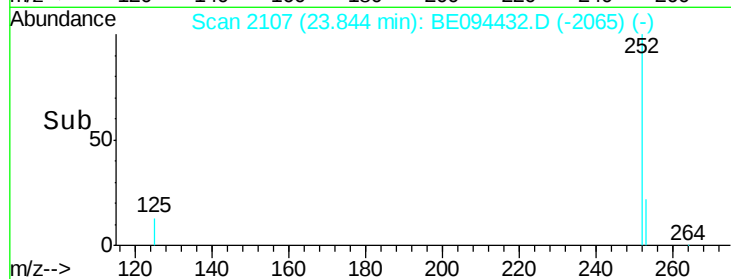
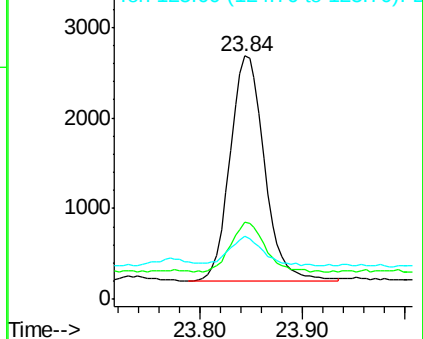
125 25.7 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.197 ng

RT: 26.65 min Scan# 2720

Delta R.T. -0.01 min

Lab File: BE094432.D

Acq: 17 Oct 2017 16:48

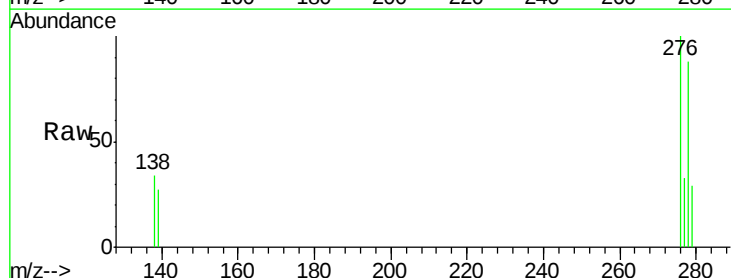
Tgt Ion:278 Resp: 5513

Ion Ratio Lower Upper

278 100

139 30.5 56.0 84.0#

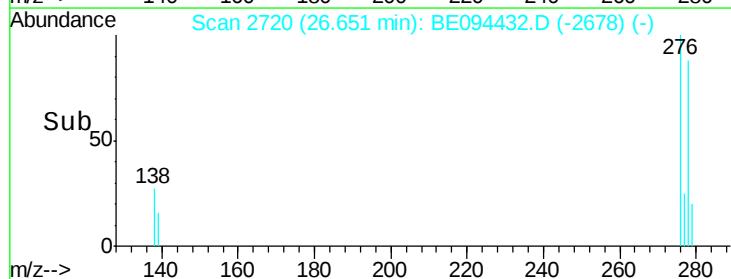
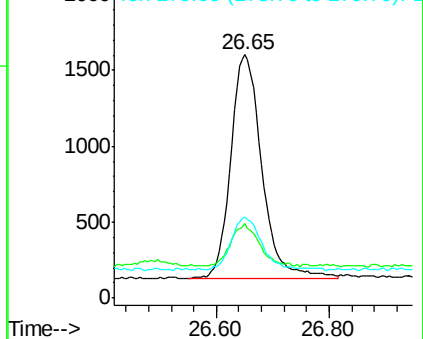
279 33.0 52.0 78.0#

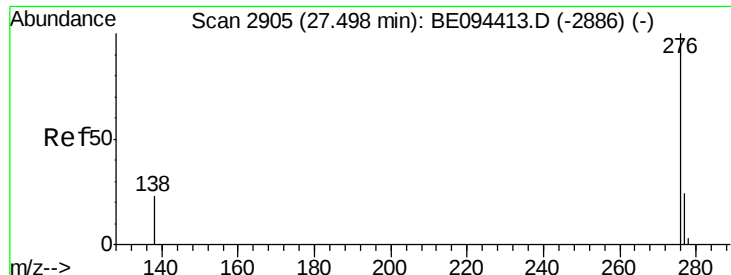


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.194 ng

RT: 27.48 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BE094432.D

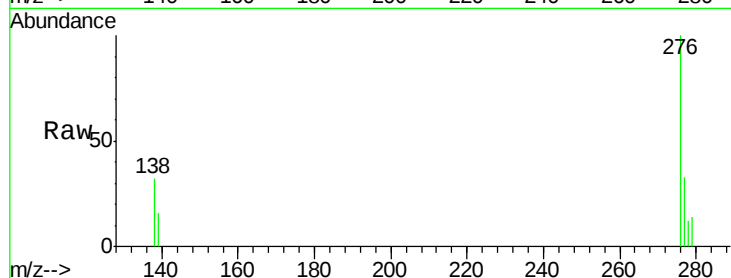
Acq: 17 Oct 2017 16:48

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2017



Tgt Ion: 276 Resp: 5218

Ion Ratio Lower Upper

276 100

277 32.7 52.0 78.0#

138 32.2 44.0 66.0#

