

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094431.D
 Acq On : 17 Oct 2017 15:51
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 0.1 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Quant Time: Oct 17 20:18:11 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	7.92	152	1171	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6127	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3793	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7238	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9406	0.40	ng	0.00
34) Perylene-d12	23.96	264	8923	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1472	0.37	ng	0.01
5) Phenol-d6	7.13	99	2037	0.33	ng	0.00
8) Nitrobenzene-d5	9.08	82	2010	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	3851	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	415	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5299	0.39	ng	0.02
25) Fluoranthene-d10	19.29	212	42002	0.36	ng	0.00
29) Terphenyl-d14	19.87	244	6972	0.37	ng	0.00

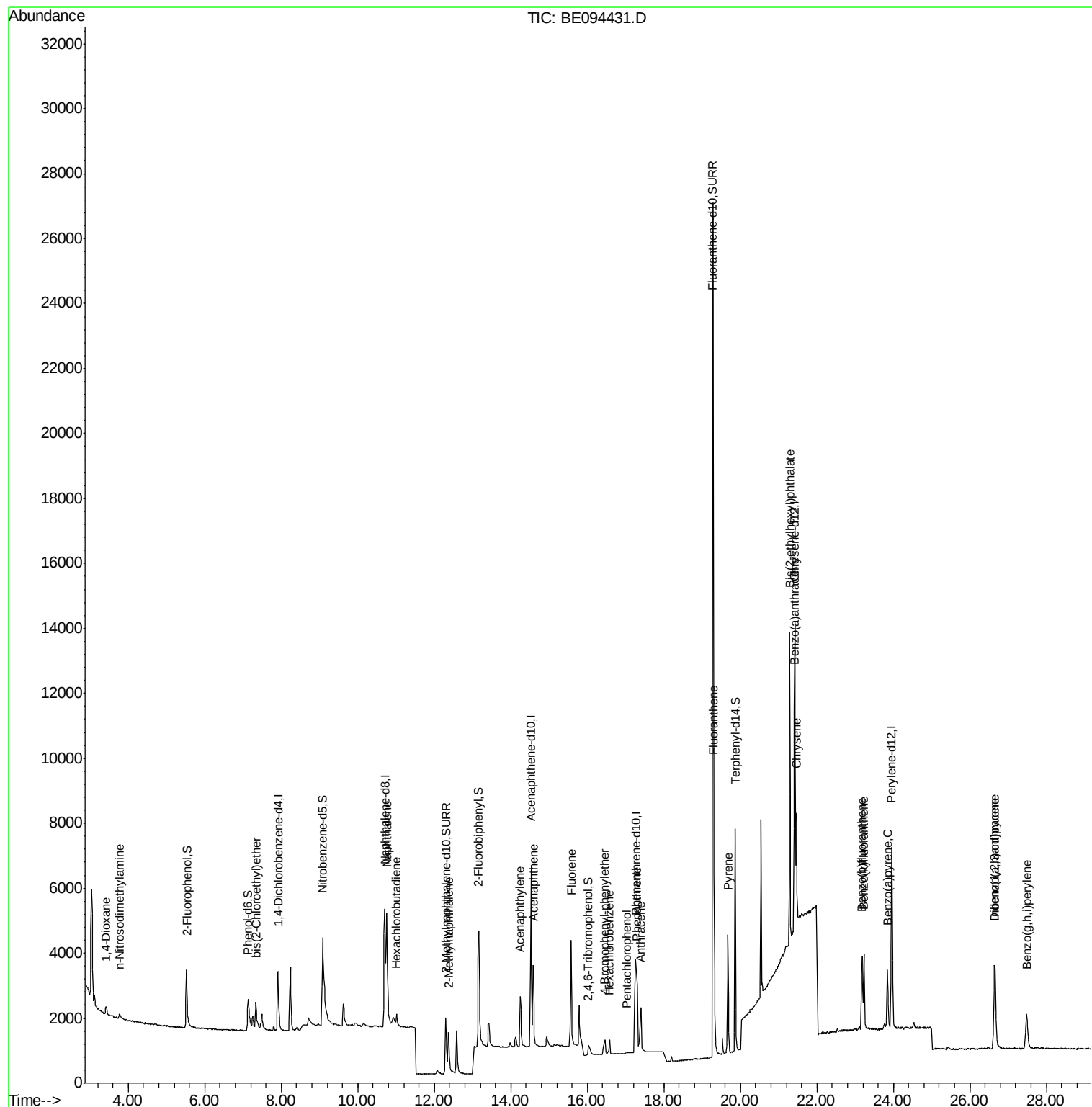
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	381	0.141	ng	# 66
3) n-Nitrosodimethylamine	3.76	42	176	0.087	ng	# 72
6) bis(2-Chloroethyl)ether	7.34	93	441	0.097	ng	97
9) Naphthalene	10.76	128	7985	0.117	ng	# 97
10) Hexachlorobutadiene	11.01	225	326	0.119	ng	95
12) 2-Methylnaphthalene	12.37	142	1305	0.116	ng	95
16) Acenaphthylene	14.24	152	2282	0.111	ng	99
17) Acenaphthene	14.58	154	1486	0.115	ng	99
18) Fluorene	15.58	166	1880	0.113	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	469	0.130	ng	# 71
21) Hexachlorobenzene	16.58	284	671	0.115	ng	# 61
22) Pentachlorophenol	17.04	266	31	0.197	ng	94
23) Phenanthrene	17.30	178	3448	0.121	ng	97
24) Anthracene	17.40	178	2257	0.103	ng	97
26) Fluoranthene	19.31	202	3687	0.104	ng	99
28) Pyrene	19.67	202	3877	0.109	ng	98
30) Benzo(a)anthracene	21.41	228	3626	0.111	ng	# 71
31) Chrysene	21.46	228	3740	0.119	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.29	149	10824	0.116	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	3529	0.112	ng	97
35) Benzo(b)fluoranthene	23.18	252	3509	0.116	ng	# 58
36) Benzo(k)fluoranthene	23.23	252	3452	0.116	ng	# 58
37) Benzo(a)pyrene	23.84	252	3206	0.113	ng	# 55
38) Dibenzo(a,h)anthracene	26.66	278	3002	0.111	ng	# 66
39) Benzo(g,h,i)perylene	27.48	276	2938	0.113	ng	# 71

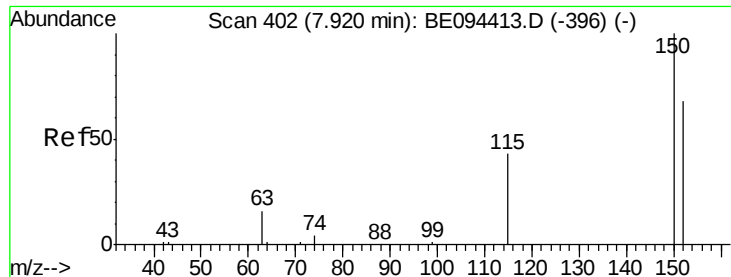
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 16 14:54:40 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

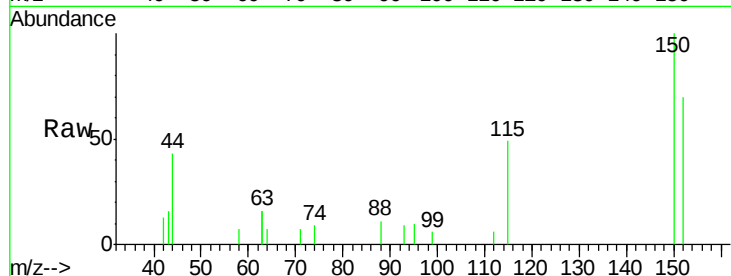
Tgt Ion: 152 Resp: 1171

Ion Ratio Lower Upper

152 100

150 143.5 117.2 175.8

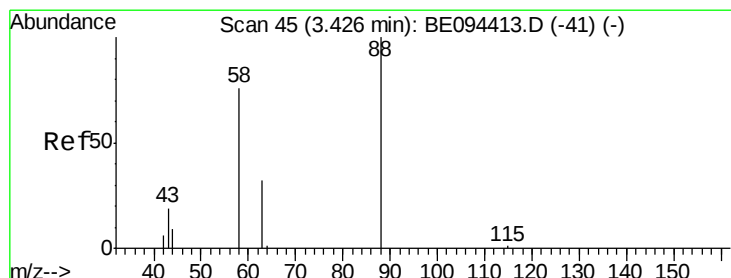
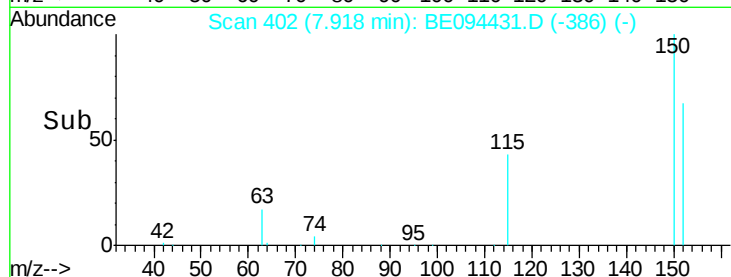
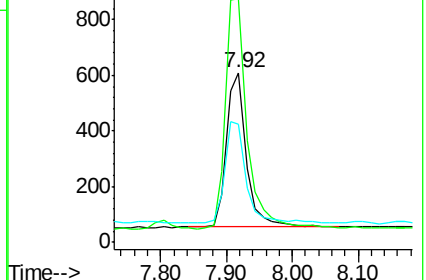
115 69.8 57.0 85.6



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: 0.141 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

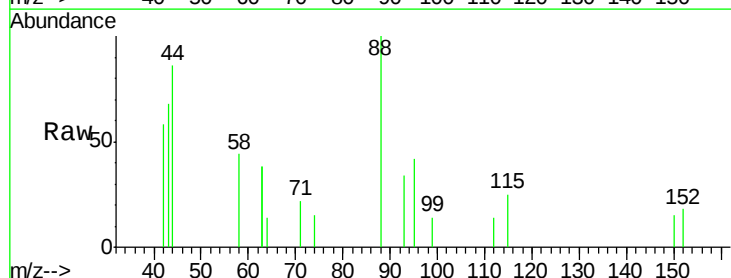
Tgt Ion: 88 Resp: 381

Ion Ratio Lower Upper

88 100

58 53.3 63.2 94.8#

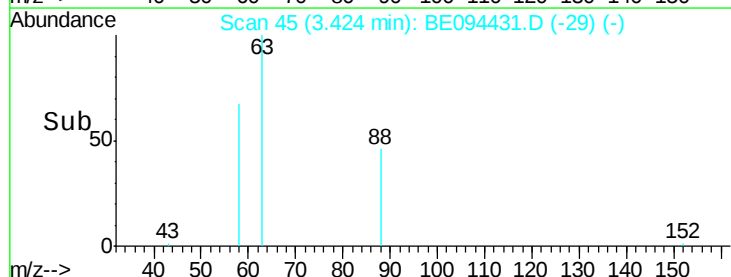
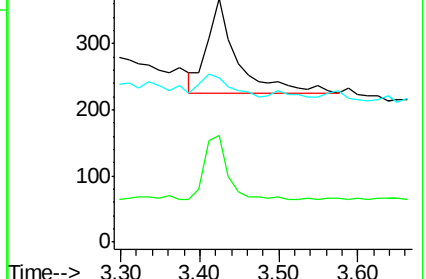
43 23.4 41.2 61.8#

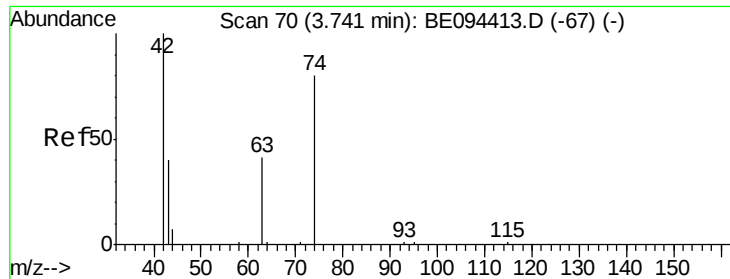


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

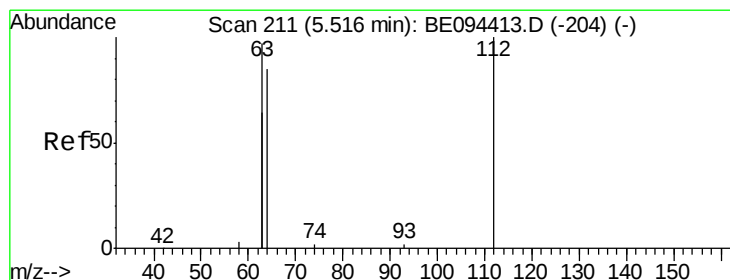
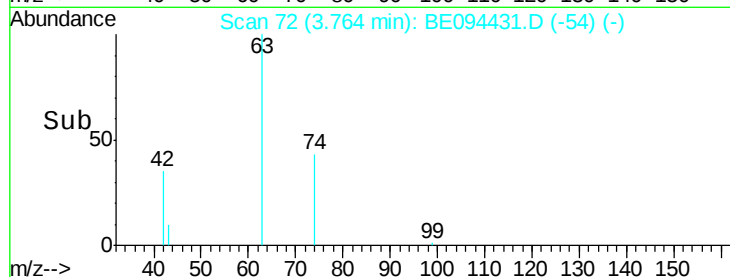
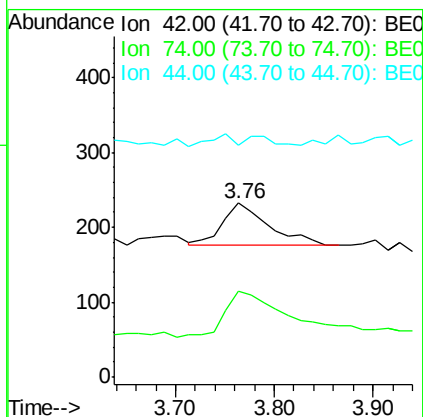
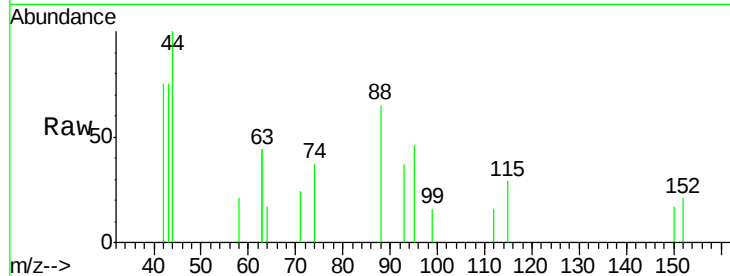




#3
 n-Nitrosodimethylamine
 Concen: 0.087 ng
 RT: 3.76 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: BE094431.D
 Acq: 17 Oct 2017 15:51

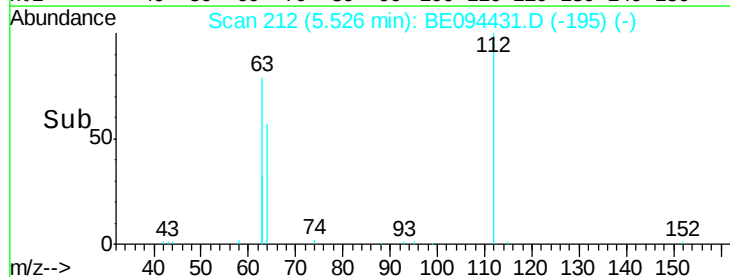
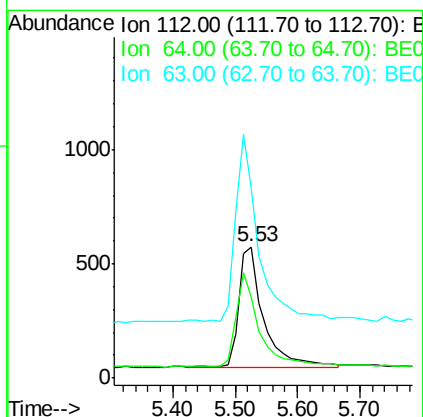
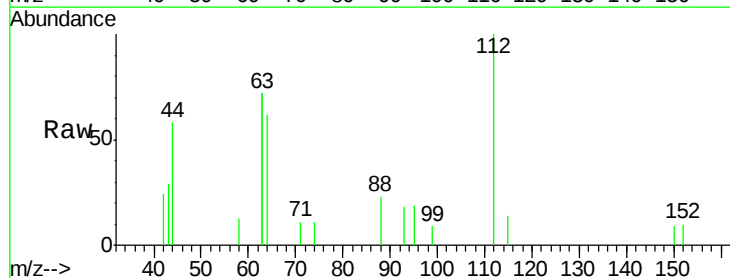
Instrument :
 BNA_E
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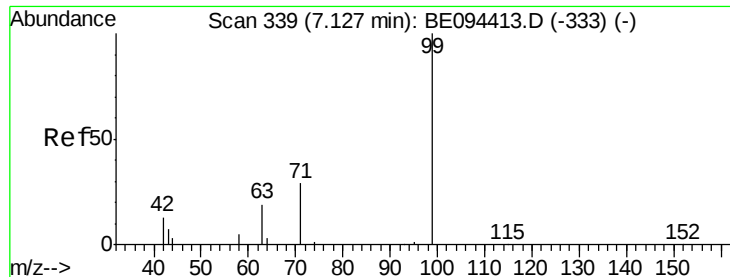
Tgt Ion: 42 Resp: 176
 Ion Ratio Lower Upper
 42 100
 74 159.1 100.3 150.5#
 44 13.1 17.0 25.4#



#4
 2-Fluorophenol
 Concen: 0.372 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: BE094431.D
 Acq: 17 Oct 2017 15:51

Tgt Ion: 112 Resp: 1472
 Ion Ratio Lower Upper
 112 100
 64 73.0 60.1 90.1
 63 144.2 116.8 175.2





#5

Phenol-d6

Concen: 0.330 ng

RT: 7.13 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

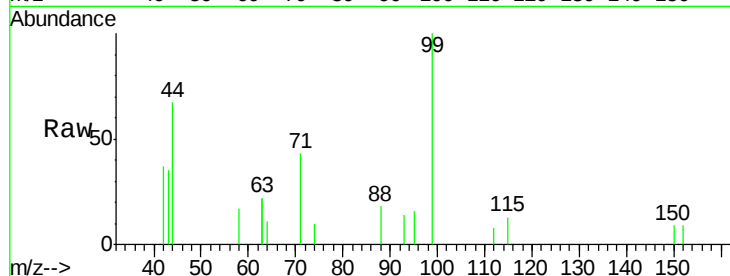
Tgt Ion: 99 Resp: 2037

Ion Ratio Lower Upper

99 100

42 24.6 20.2 30.2

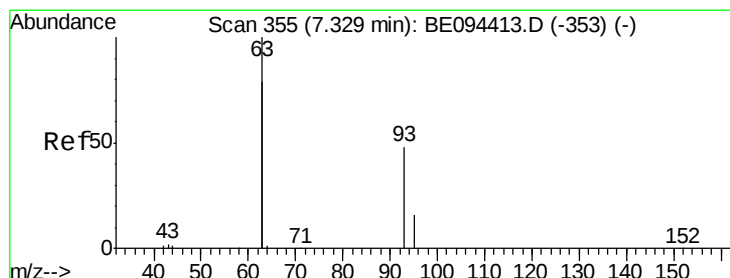
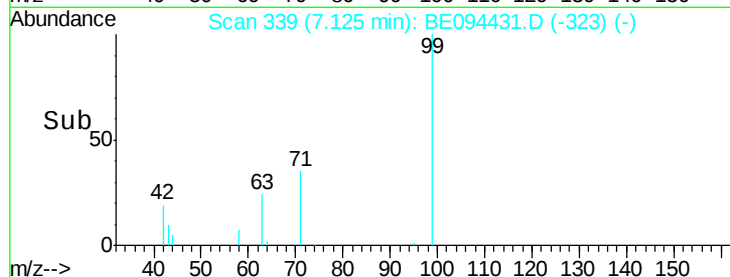
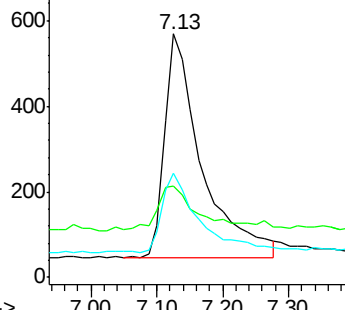
71 35.2 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.097 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

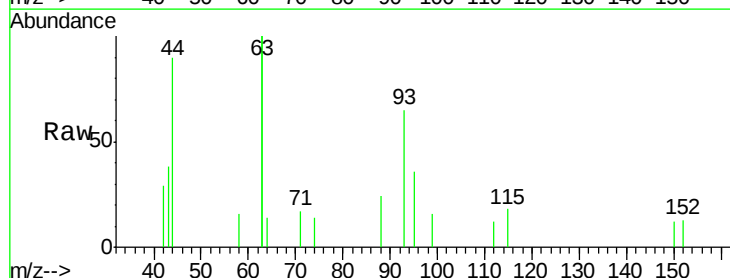
Tgt Ion: 93 Resp: 441

Ion Ratio Lower Upper

93 100

63 349.4 275.3 412.9

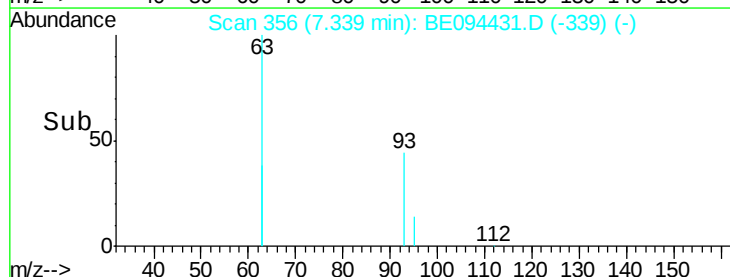
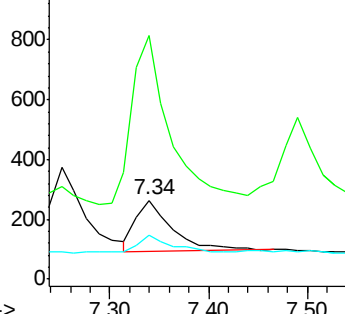
95 34.0 25.2 37.8

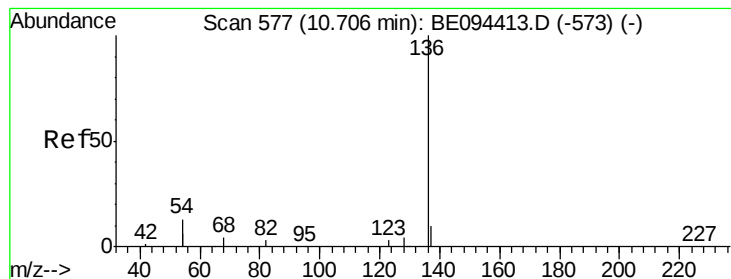


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tgt Ion:136 Resp: 6127

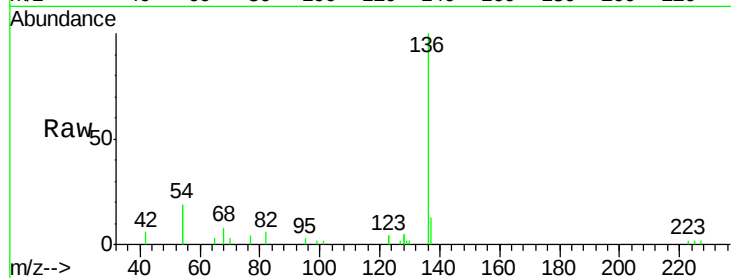
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 38.6 29.1 43.7

68 8.1 6.2 9.2

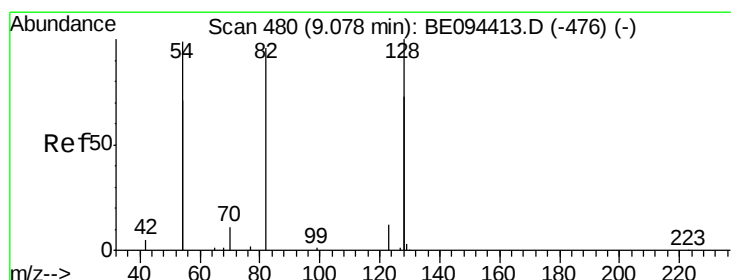
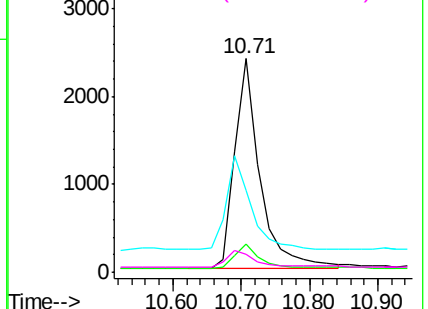
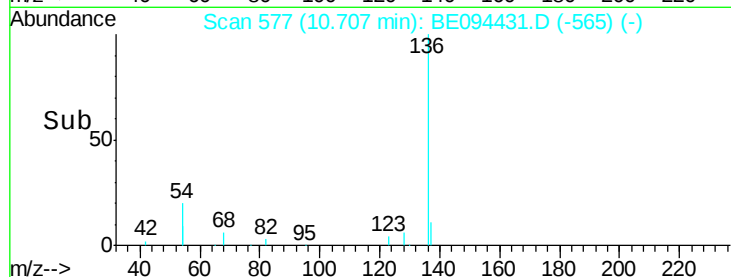


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.378 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

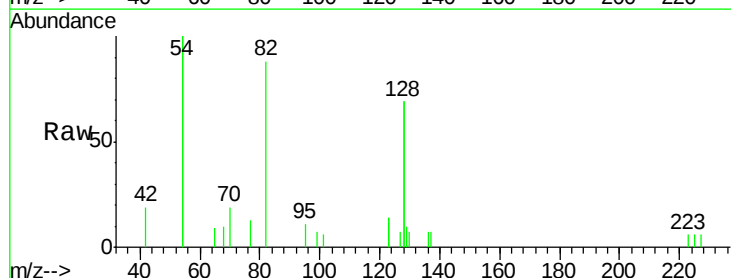
Tgt Ion: 82 Resp: 2010

Ion Ratio Lower Upper

82 100

128 157.2 150.0 225.0

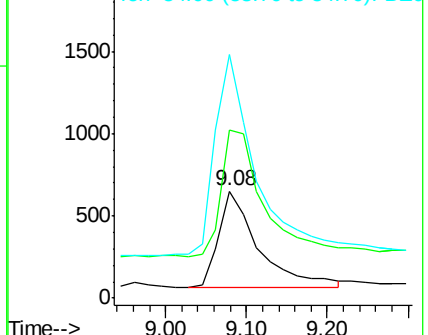
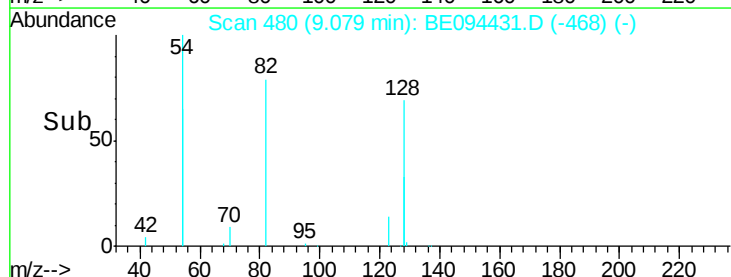
54 228.0 154.2 231.4

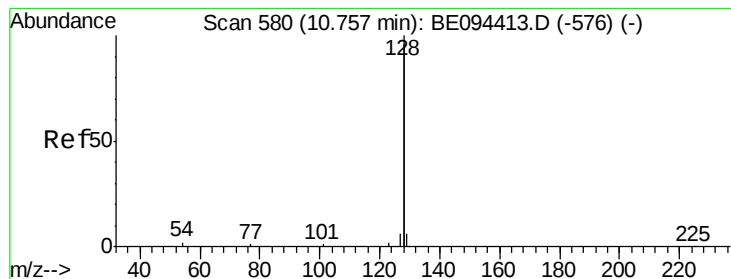


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.117 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

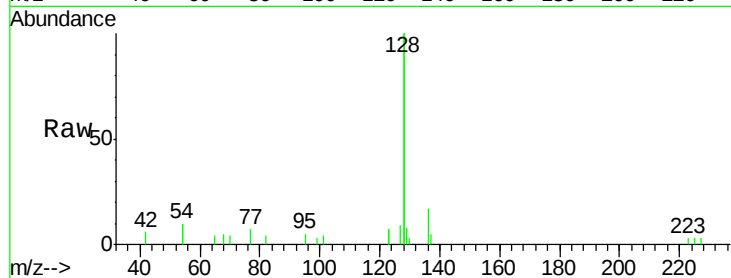
Tgt Ion:128 Resp: 7985

Ion Ratio Lower Upper

128 100

129 4.1 2.6 3.8#

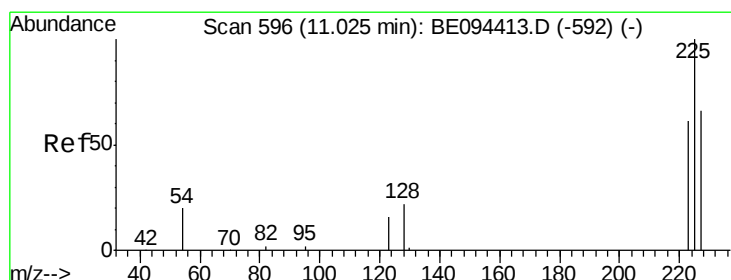
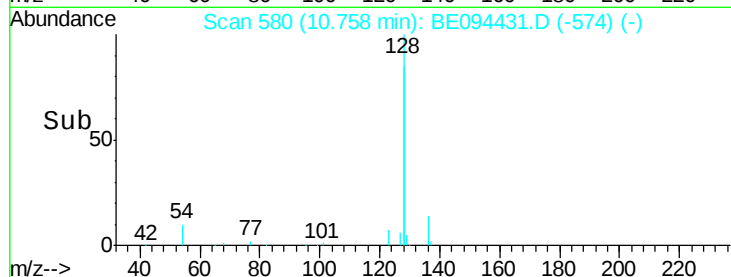
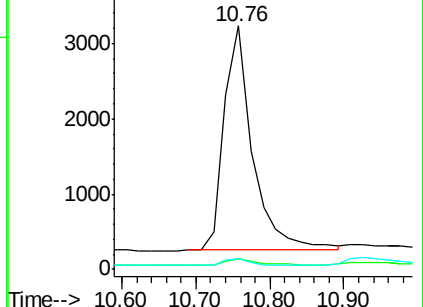
127 4.4 2.8 4.2#



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: 0.119 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

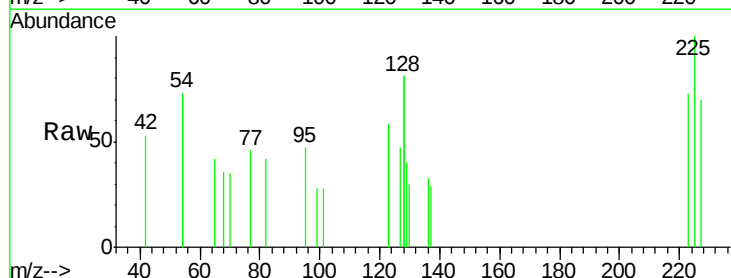
Tgt Ion:225 Resp: 326

Ion Ratio Lower Upper

225 100

223 60.4 53.0 79.6

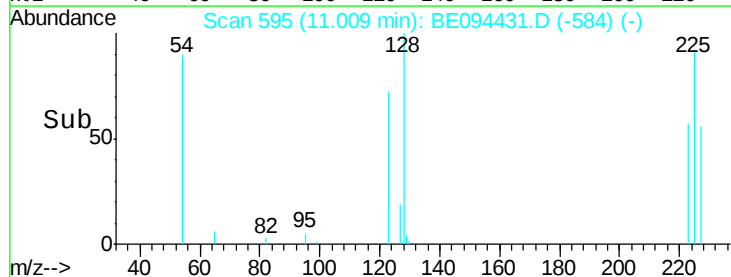
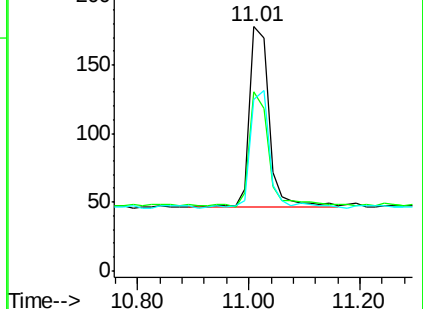
227 66.6 51.4 77.2

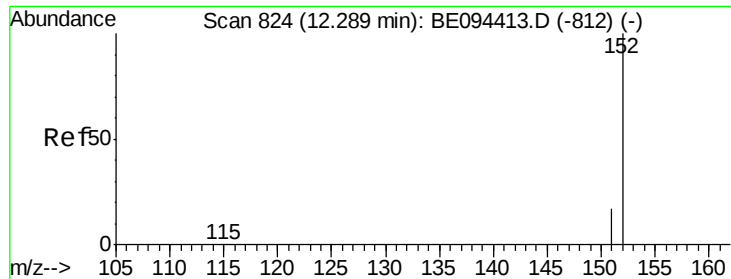


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

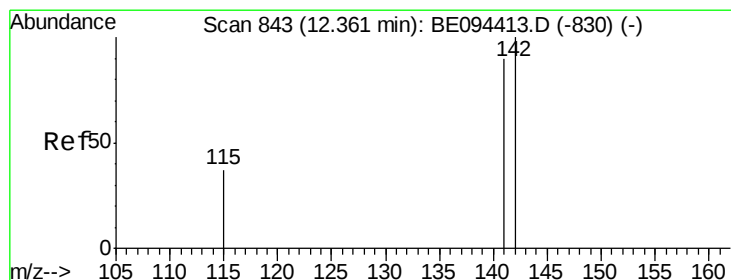
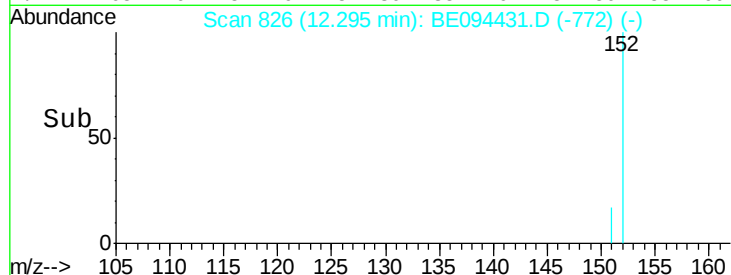
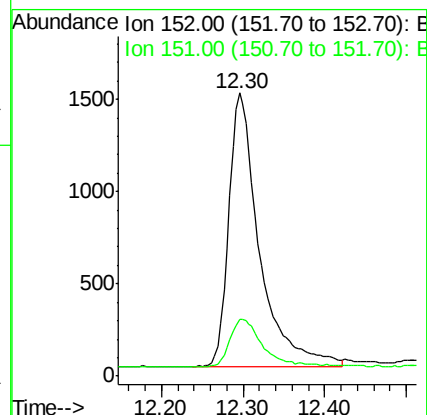
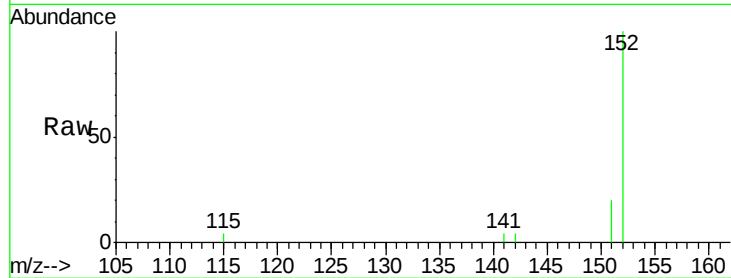




#11
 2-Methylnaphthalene-d10
 Concen: 0.408 ng
 RT: 12.30 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BE094431.D
 Acq: 17 Oct 2017 15:51

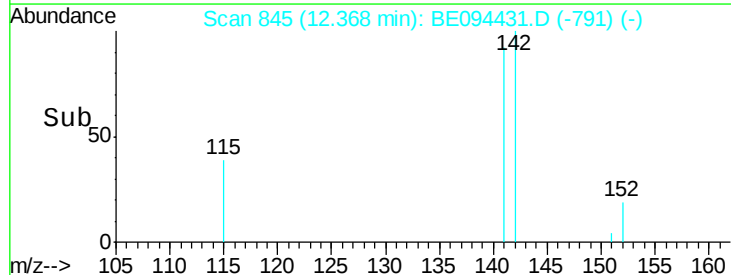
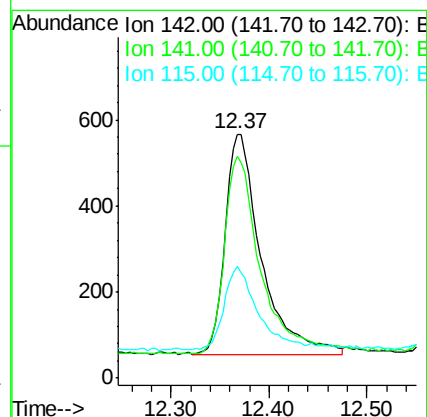
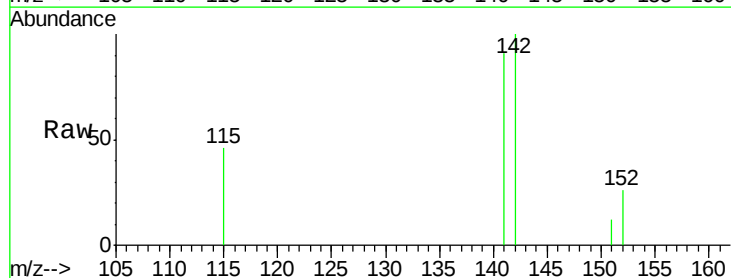
Instrument :
 BNA_E
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 LOD-SOIL-01-QT4-2017

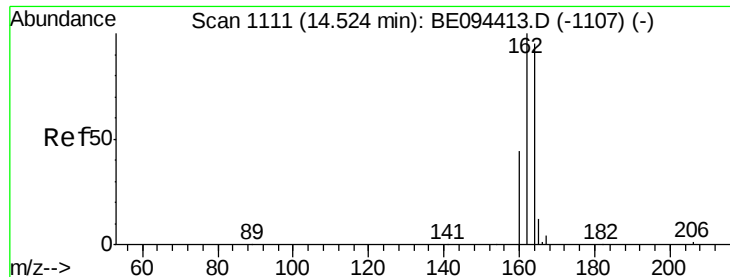
Tgt Ion:152 Resp: 3851
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.116 ng
 RT: 12.37 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: BE094431.D
 Acq: 17 Oct 2017 15:51

Tgt Ion:142 Resp: 1305
 Ion Ratio Lower Upper
 142 100
 141 90.8 70.4 105.6
 115 46.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

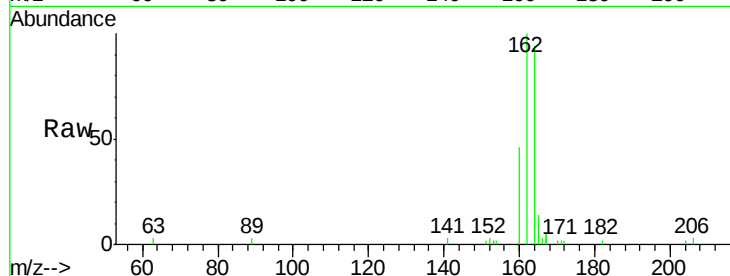
Tgt Ion:164 Resp: 3793

Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

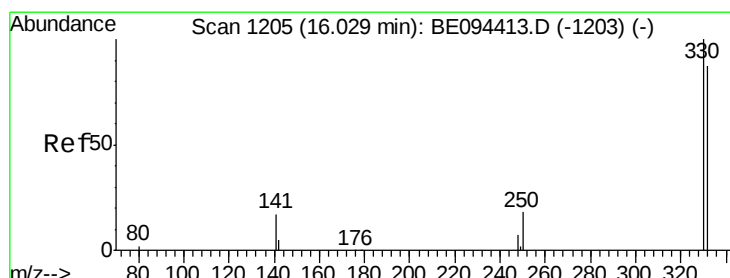
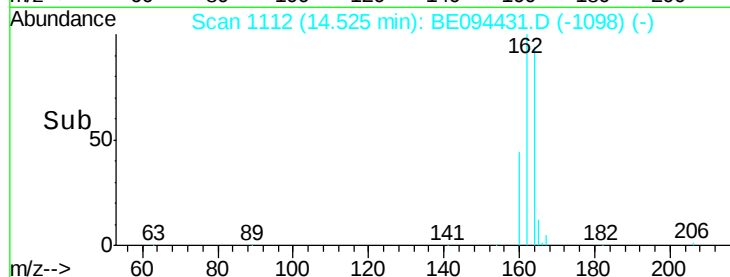
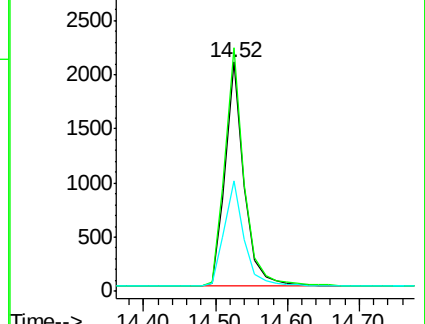
160 48.3 37.1 55.7



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: 0.287 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

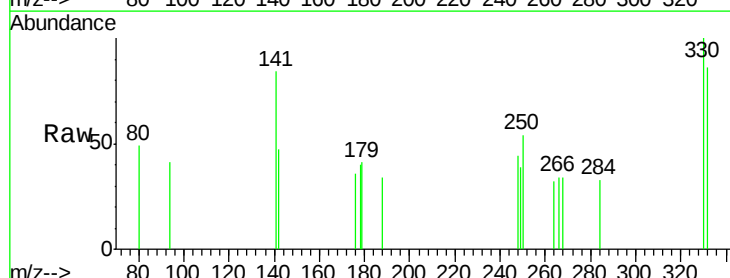
Tgt Ion:330 Resp: 415

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

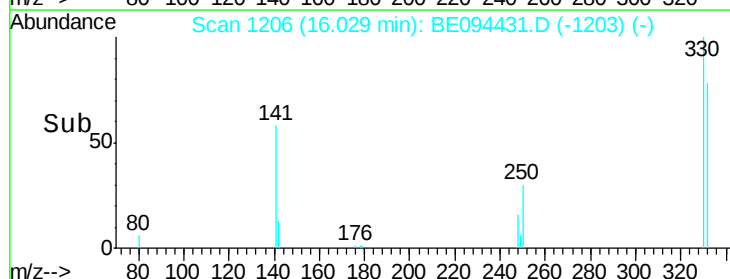
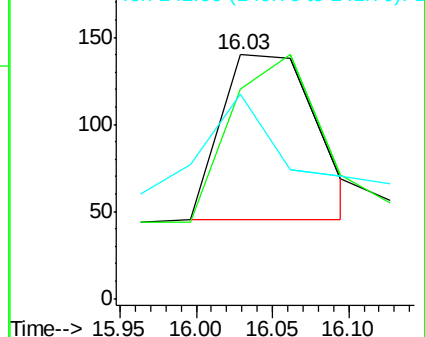
141 24.1 33.7 50.5#

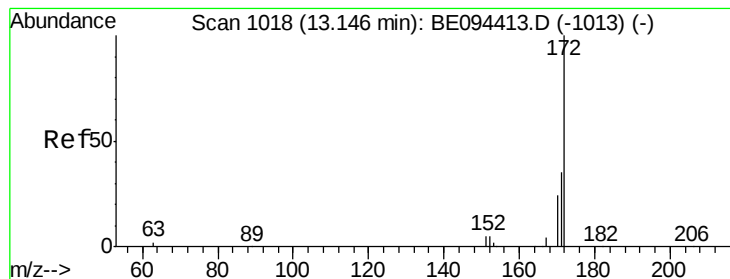


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.391 ng

RT: 13.16 min Scan# 1020

Delta R.T. 0.02 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

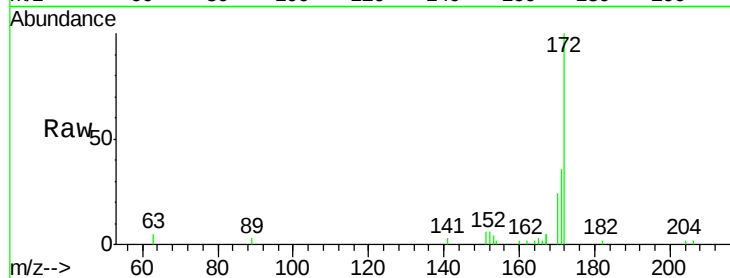
Tgt Ion:172 Resp: 5299

Ion Ratio Lower Upper

172 100

171 35.7 29.9 44.9

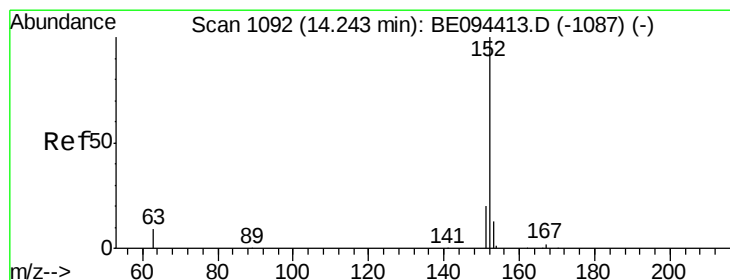
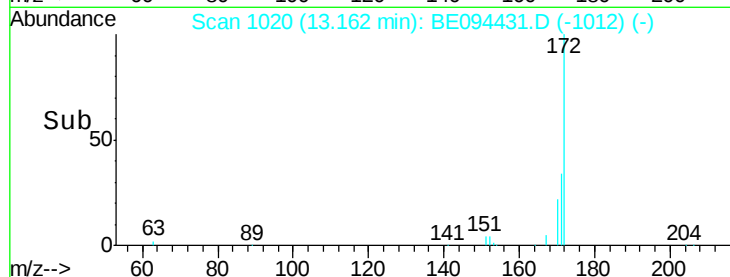
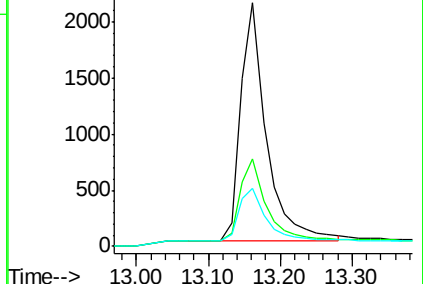
170 24.1 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.111 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

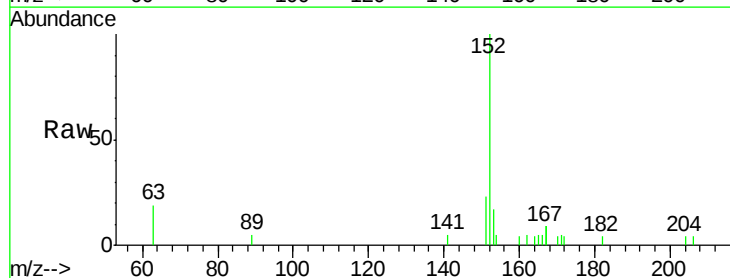
Tgt Ion:152 Resp: 2282

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

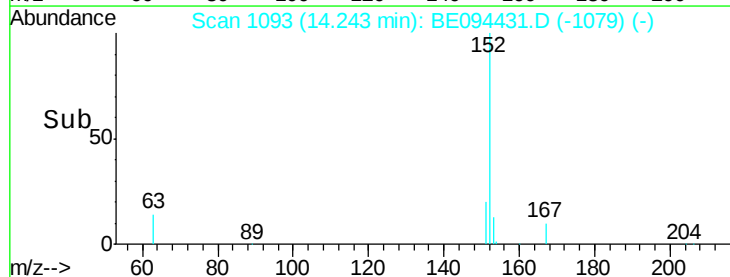
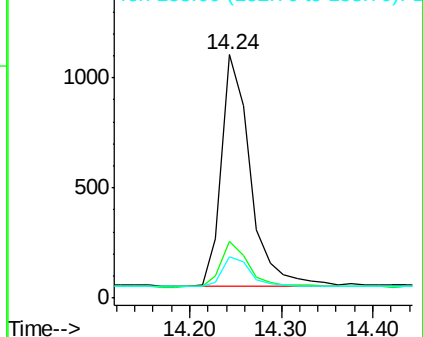
153 13.4 10.5 15.7

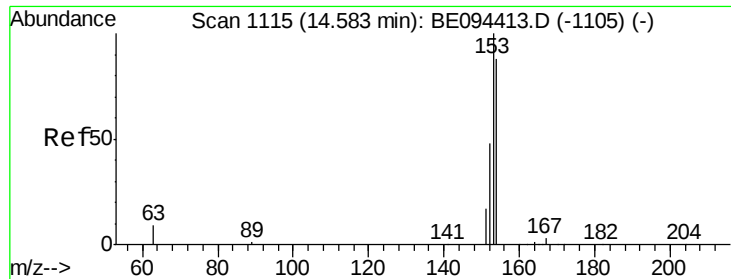


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.115 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

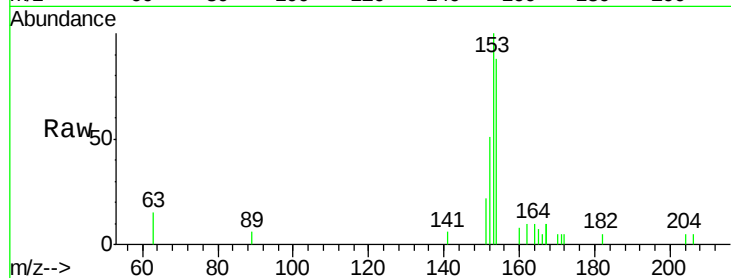
Tgt Ion:154 Resp: 1486

Ion Ratio Lower Upper

154 100

153 112.3 89.2 133.8

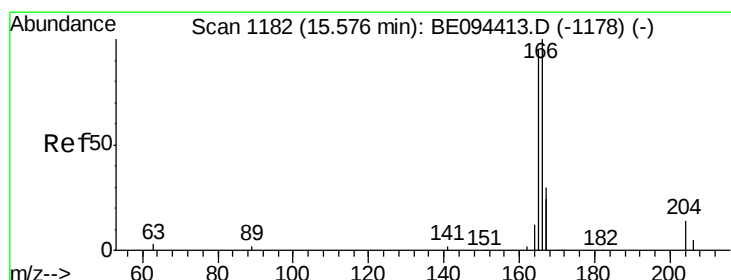
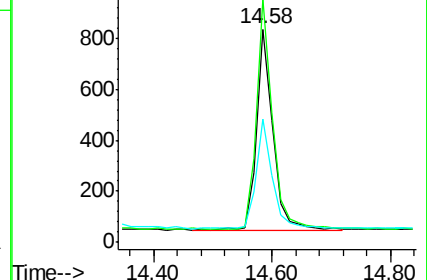
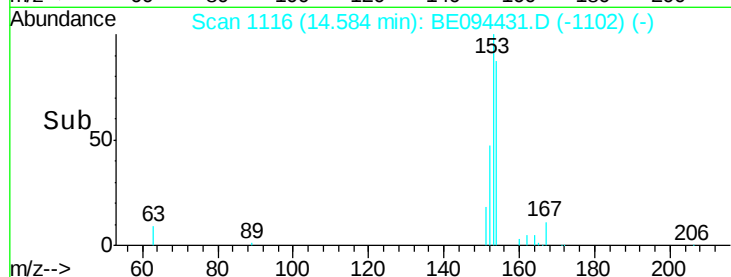
152 53.0 42.0 63.0



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: 0.113 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

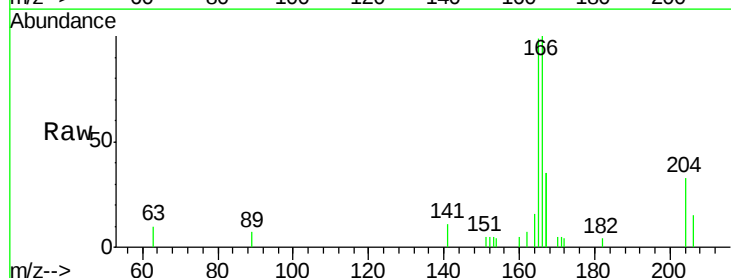
Tgt Ion:166 Resp: 1880

Ion Ratio Lower Upper

166 100

165 98.6 77.8 116.6

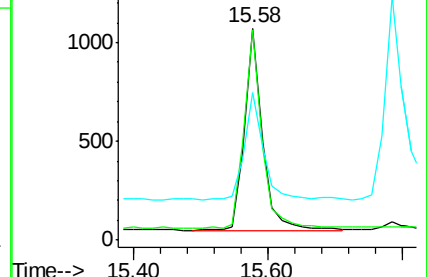
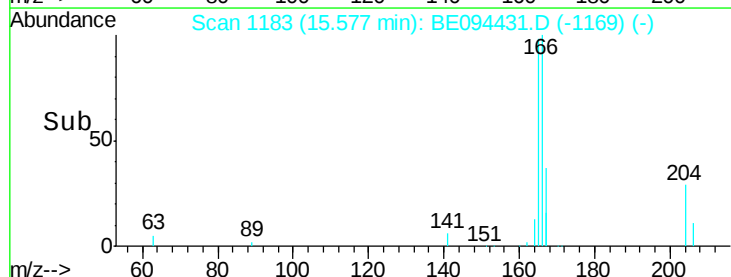
167 54.7 42.4 63.6

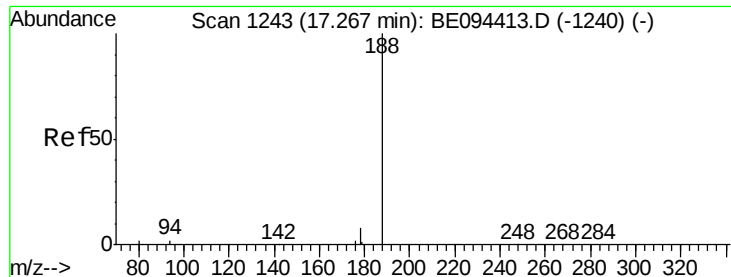


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

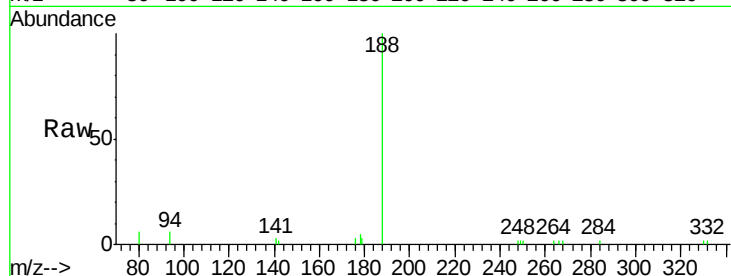
Tgt Ion:188 Resp: 7238

Ion Ratio Lower Upper

188 100

94 5.8 3.9 5.9

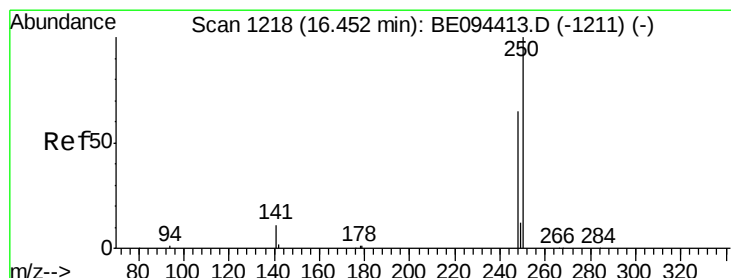
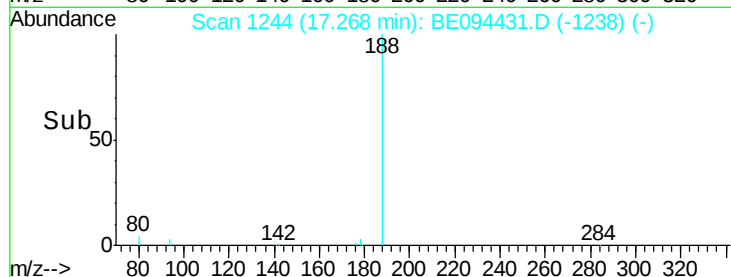
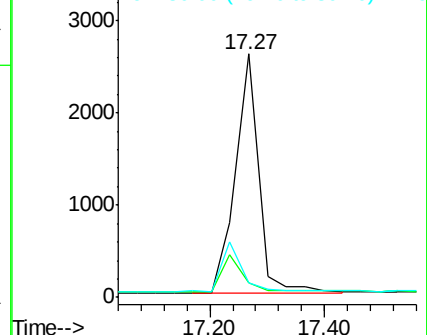
80 6.1 3.6 5.4#



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: 0.130 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

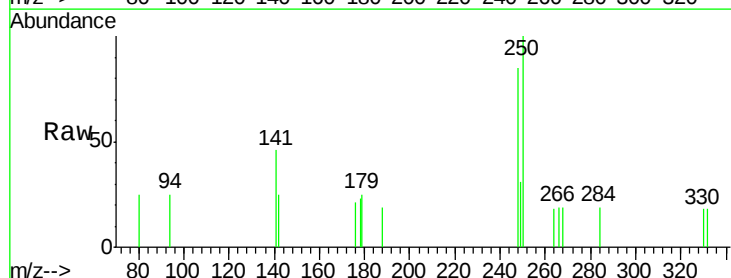
Tgt Ion:248 Resp: 469

Ion Ratio Lower Upper

248 100

250 117.8 62.7 94.1#

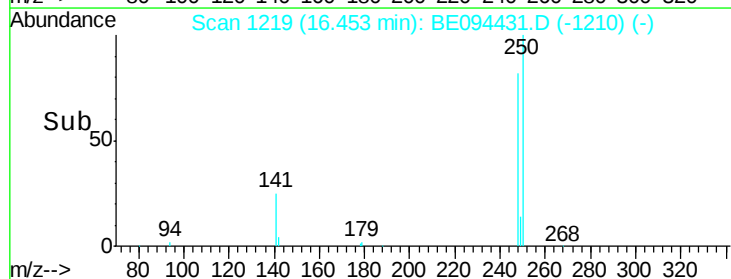
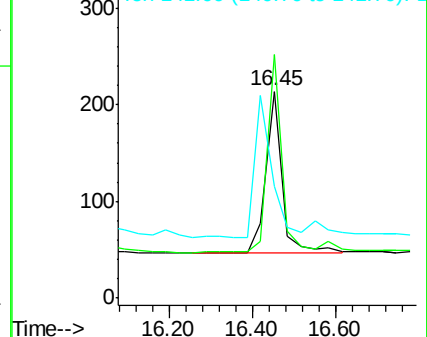
141 53.7 48.2 72.2

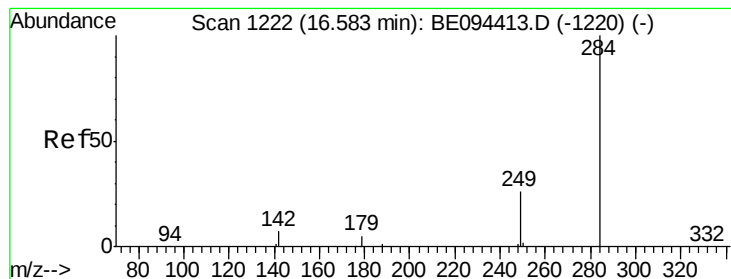


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.115 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

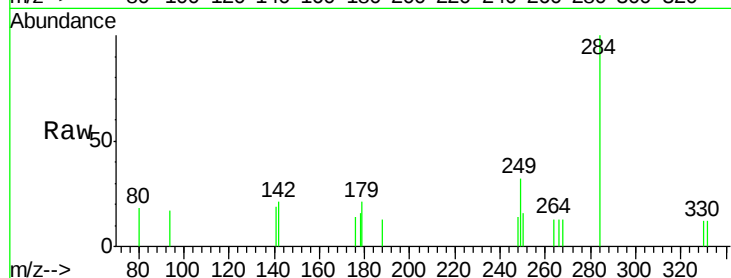
Tgt Ion:284 Resp: 671

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 23.5 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

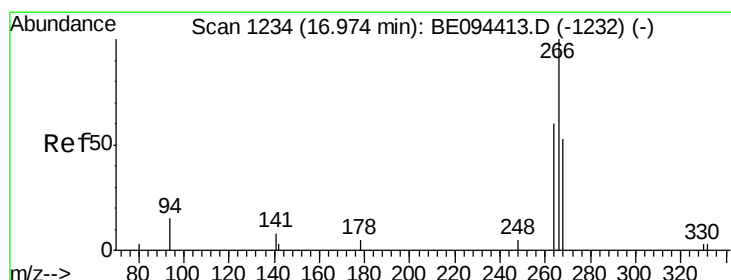
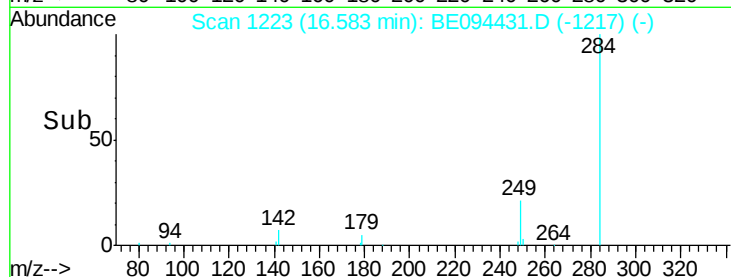
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->

16.58

16.50 16.60 16.70



#22

Pentachlorophenol

Concen: 0.197 ng

RT: 17.04 min Scan# 1237

Delta R.T. 0.07 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

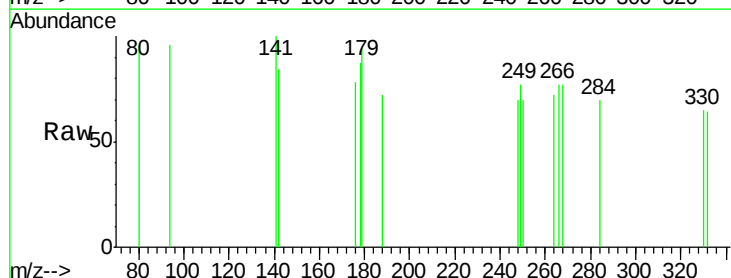
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 94.3 72.5 108.7

268 100.0 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

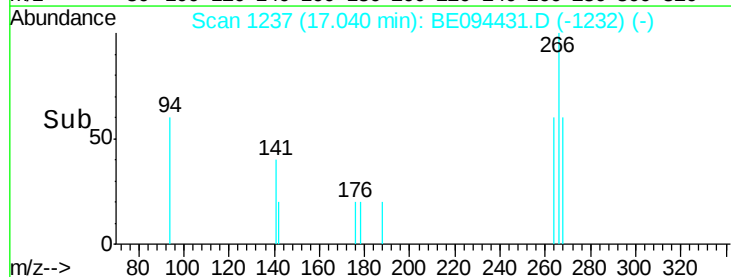
Ion 264.00 (263.70 to 264.70): E

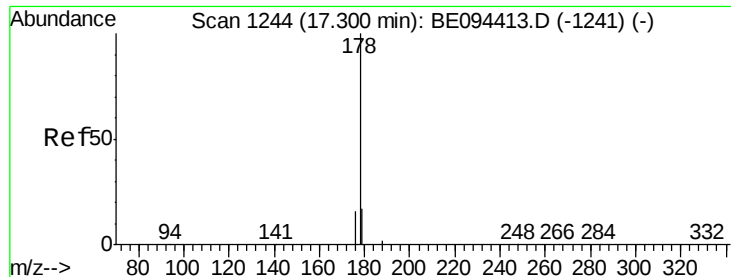
Ion 268.00 (267.70 to 268.70): E

Time-->

17.04

16.90 17.00 17.10





#23

Phenanthrene

Concen: 0.121 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

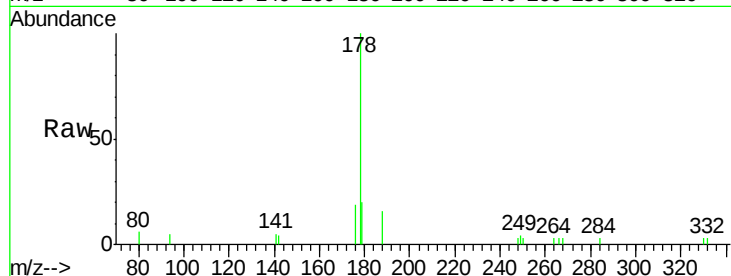
Tgt Ion:178 Resp: 3448

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

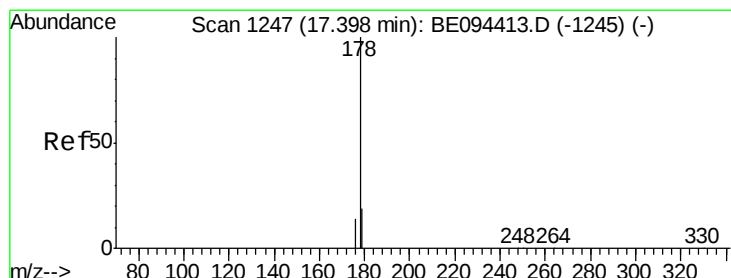
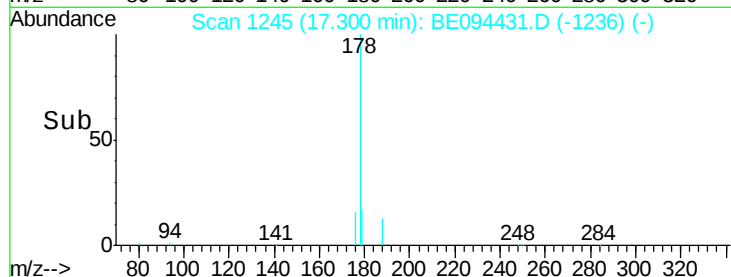
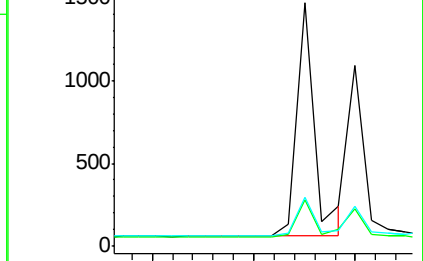
179 16.4 11.8 17.6



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: 0.103 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

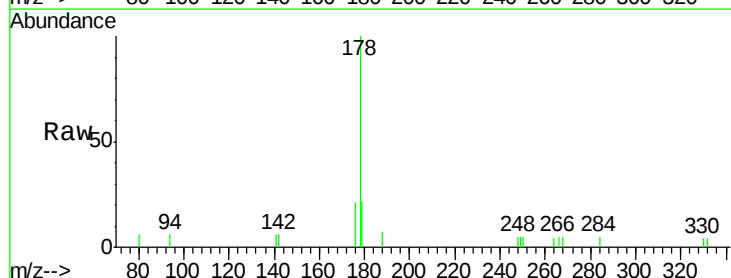
Tgt Ion:178 Resp: 2257

Ion Ratio Lower Upper

178 100

176 16.6 12.8 19.2

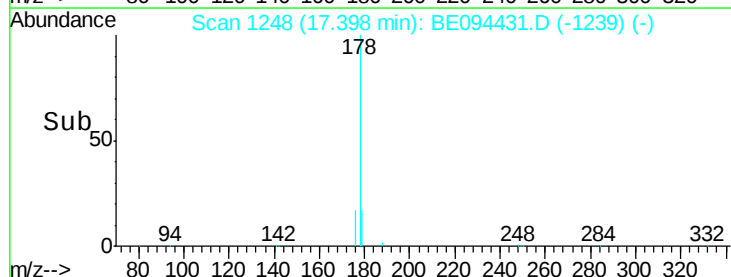
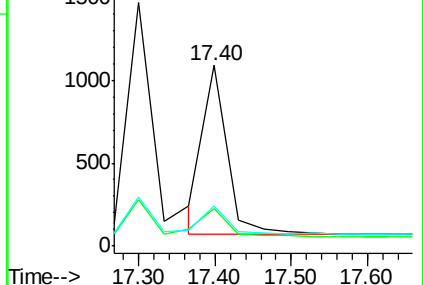
179 18.3 13.0 19.6

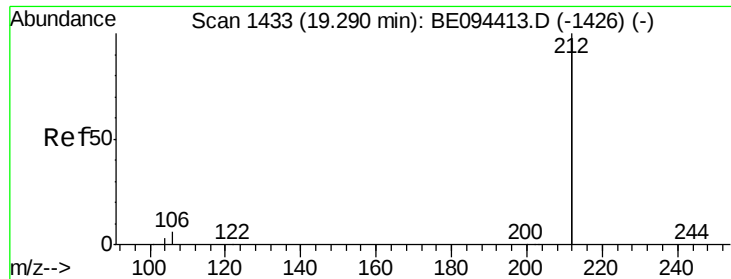


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

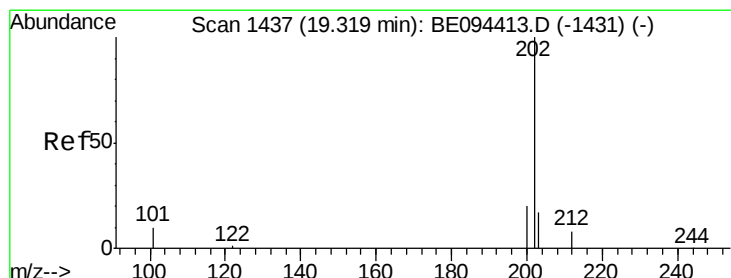
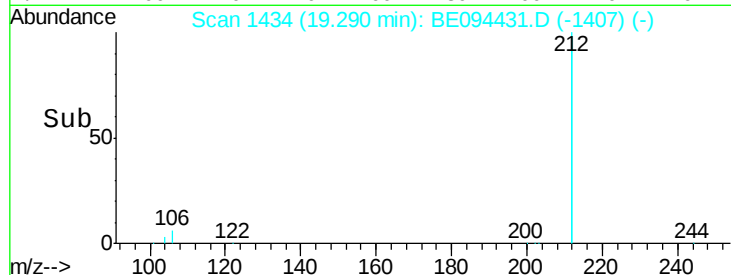
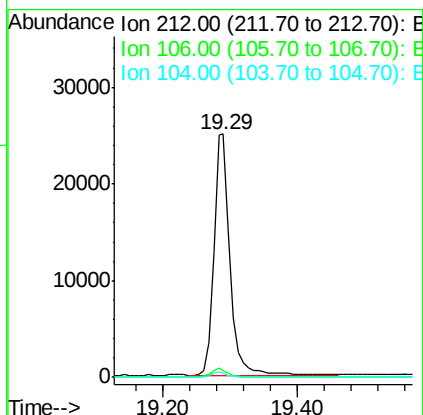
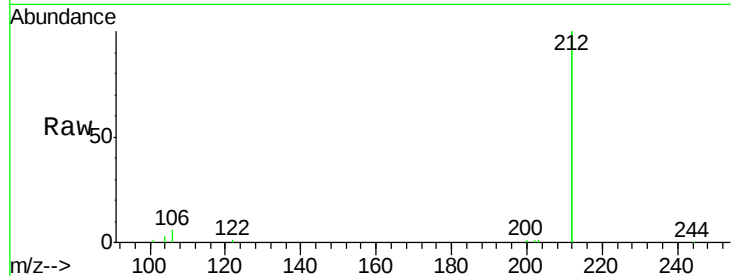
Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tgt Ion:212	Resp:	42002
Ion Ratio	Lower	Upper
212	100	
106	3.5	2.8 4.2
104	2.0	1.6 2.4



#26

Fluoranthene

Concen: 0.104 ng

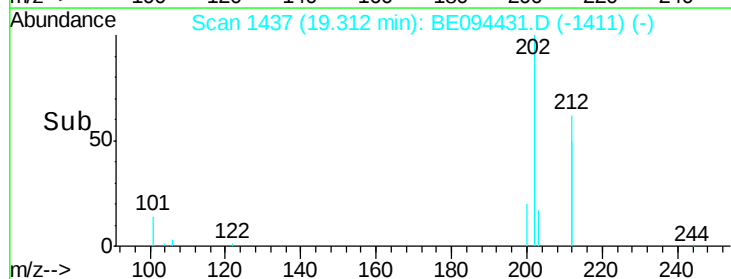
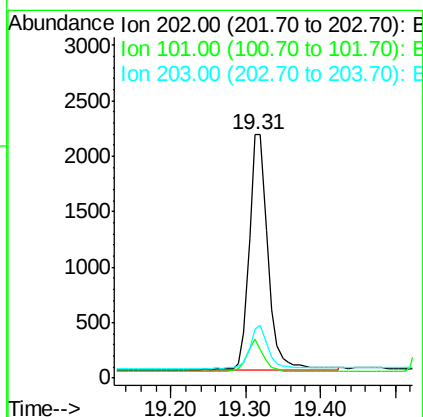
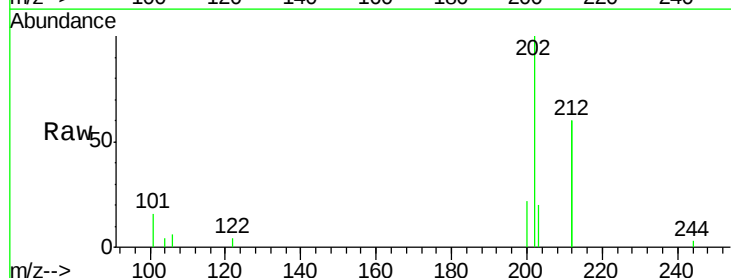
RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Tgt Ion:202	Resp:	3687
Ion Ratio	Lower	Upper
202	100	
101	12.3	9.8 14.8
203	17.9	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: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

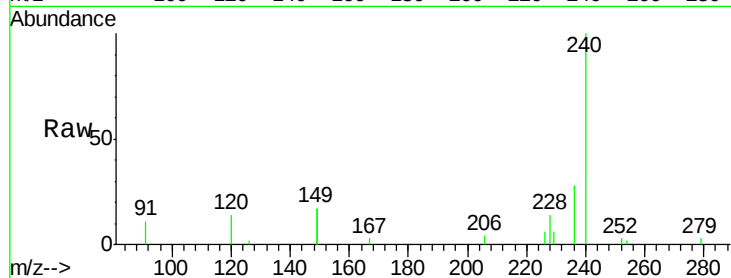
Tgt Ion:240 Resp: 9406

Ion Ratio Lower Upper

240 100

120 13.6 5.5 8.3#

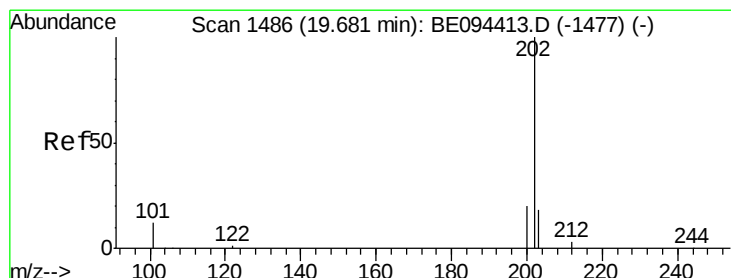
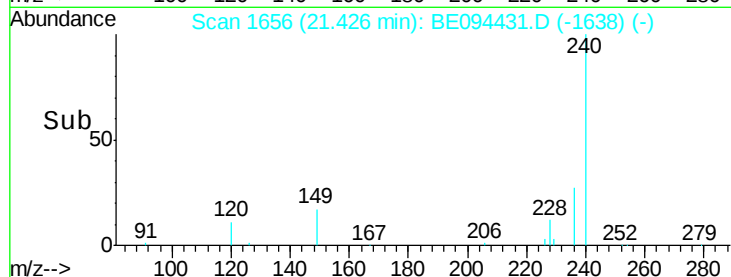
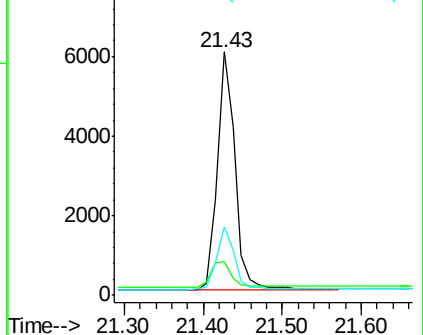
236 28.3 20.7 31.1



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: 0.109 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

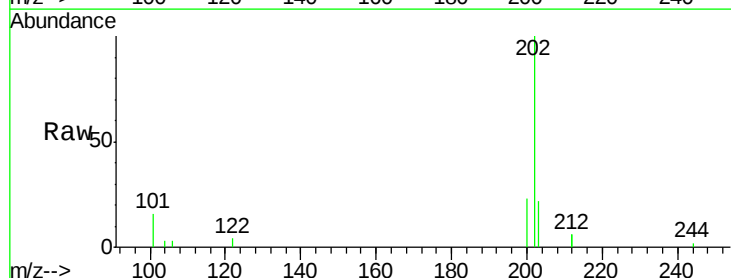
Tgt Ion:202 Resp: 3877

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

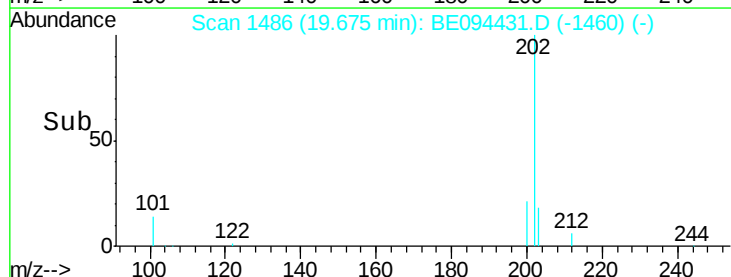
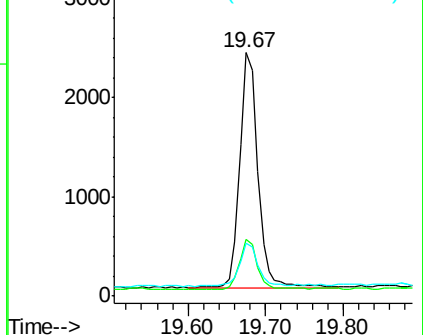
203 18.9 13.8 20.8

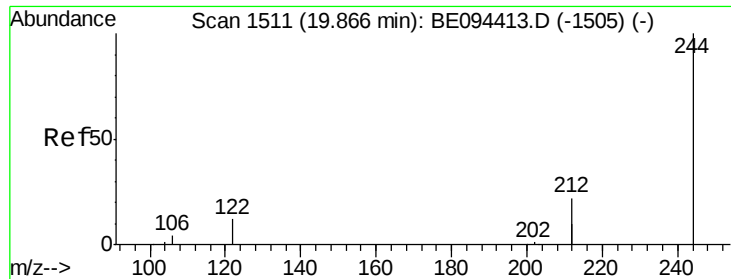


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

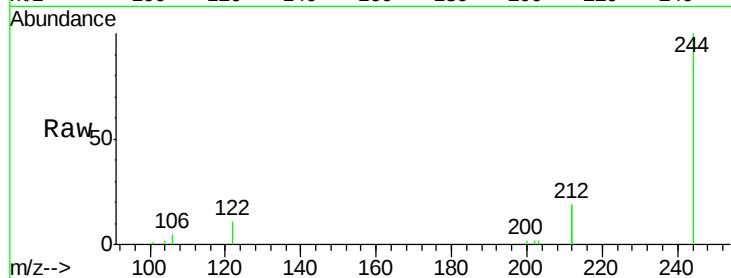
Tgt Ion:244 Resp: 6972

Ion Ratio Lower Upper

244 100

212 37.4 25.4 38.0

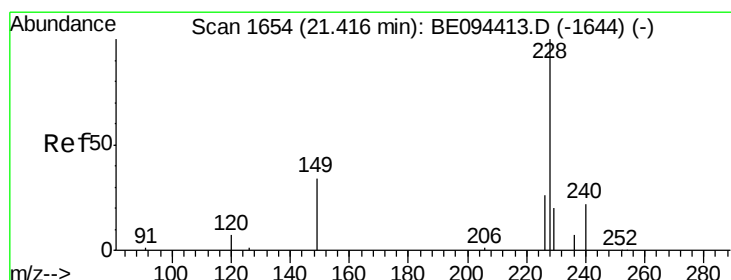
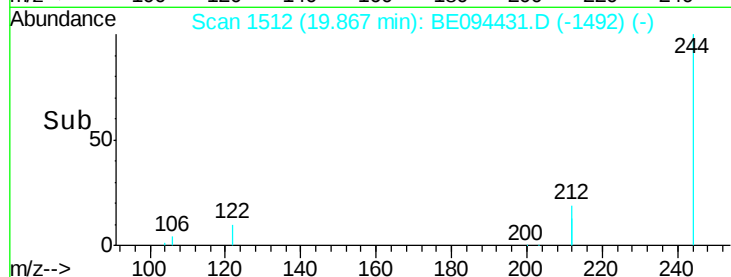
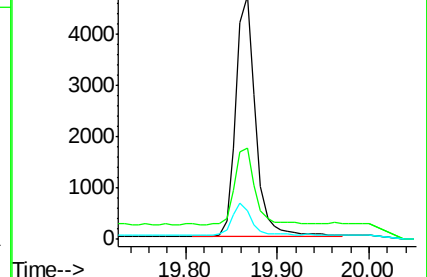
122 11.5 8.1 12.1



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: 0.111 ng

RT: 21.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

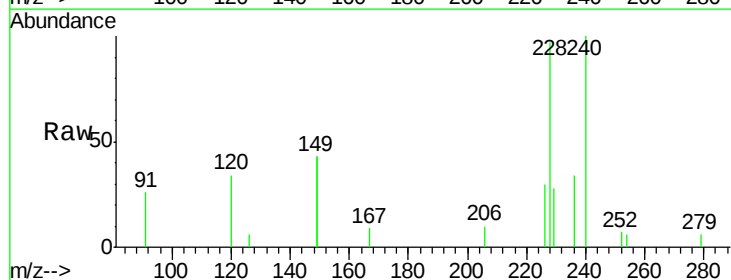
Tgt Ion:228 Resp: 3626

Ion Ratio Lower Upper

228 100

226 30.7 40.0 60.0#

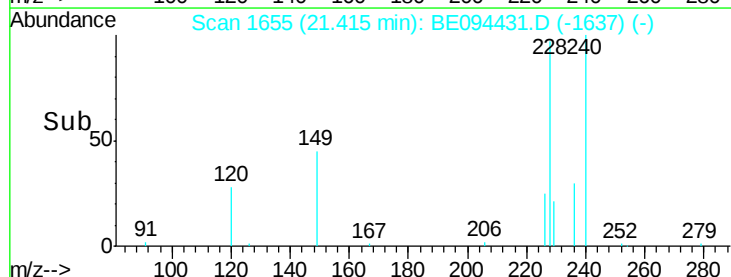
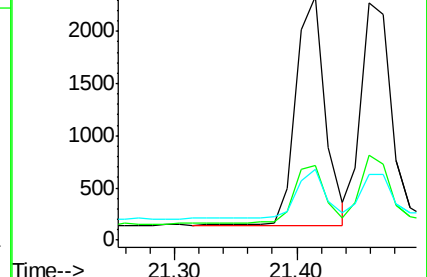
229 29.0 40.0 60.0#

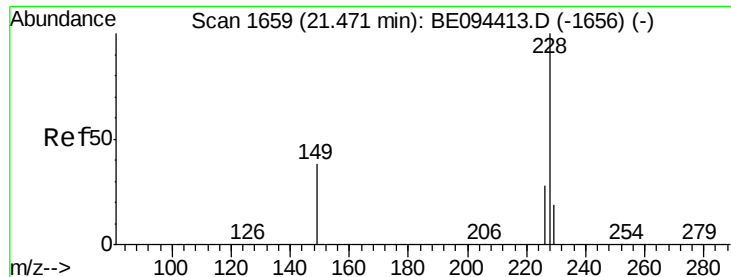


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.119 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

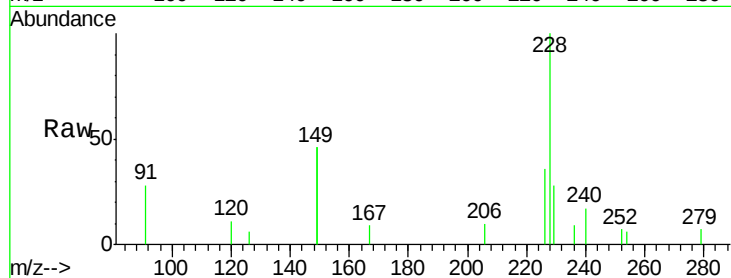
Tgt Ion:228 Resp: 3740

Ion Ratio Lower Upper

228 100

226 36.1 40.0 60.0#

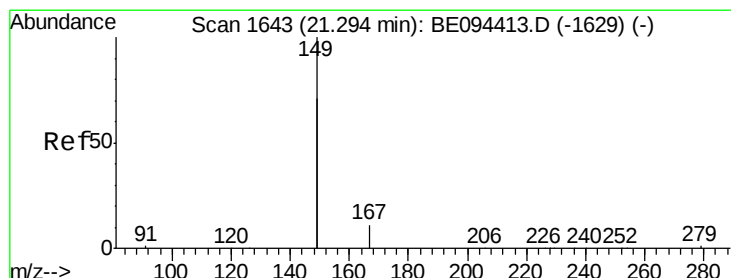
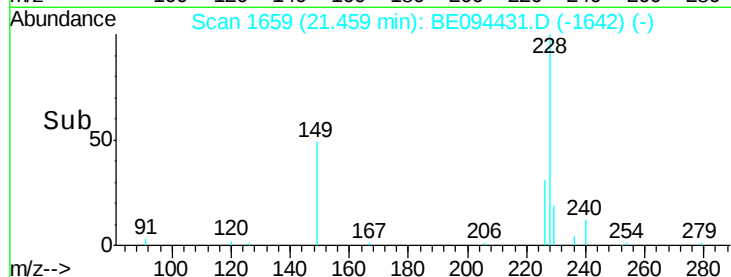
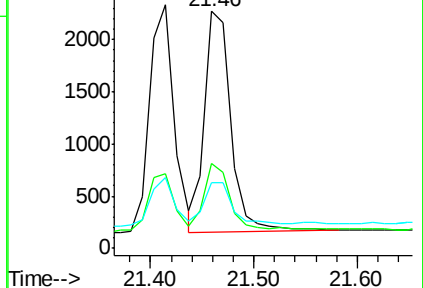
229 27.6 40.0 60.0#



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: 0.116 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

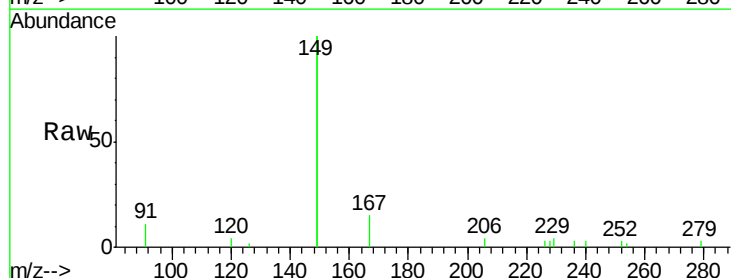
Tgt Ion:149 Resp: 10824

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

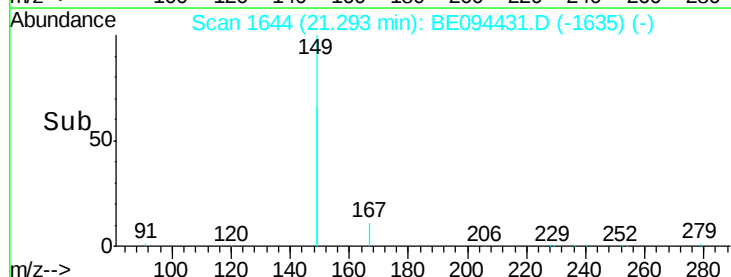
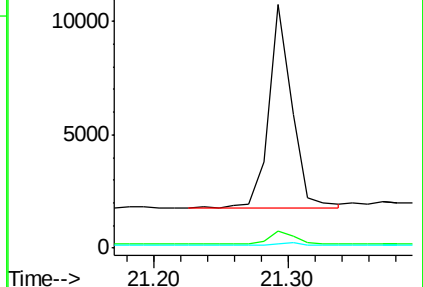
279 1.1 0.7 1.1



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: 0.112 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094431.D

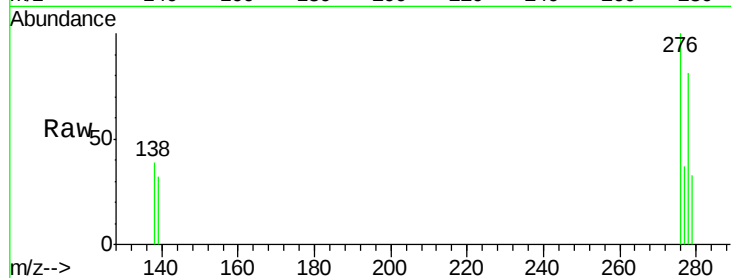
Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017



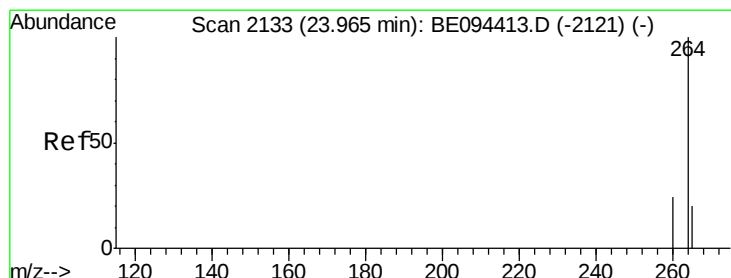
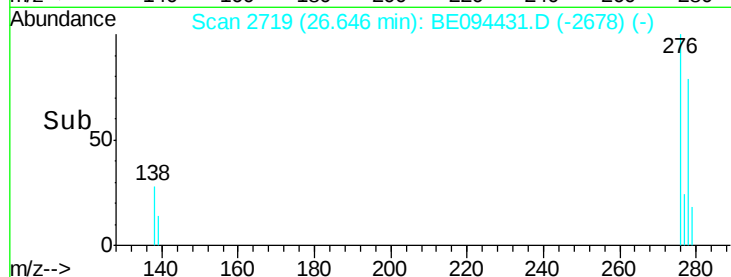
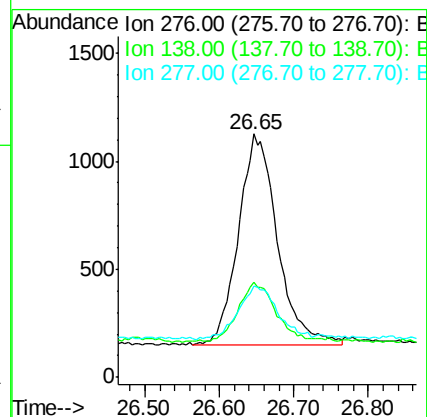
Tgt Ion:276 Resp: 3529

Ion Ratio Lower Upper

276 100

138 26.5 22.5 33.7

277 26.1 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

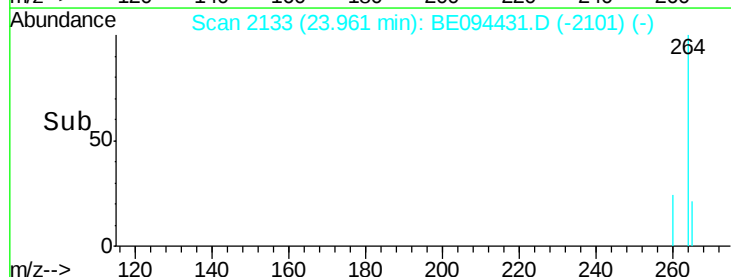
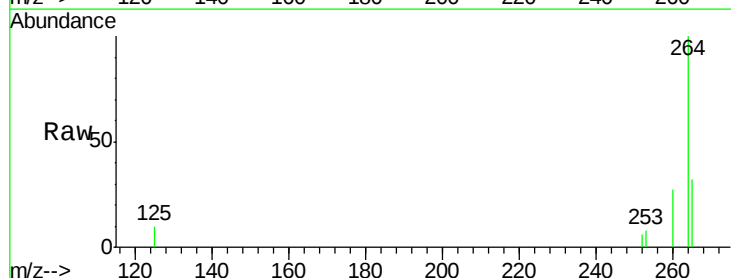
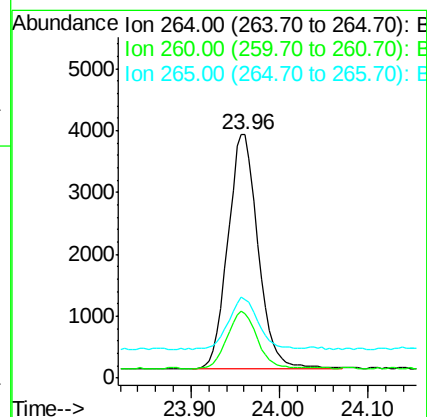
Tgt Ion:264 Resp: 8923

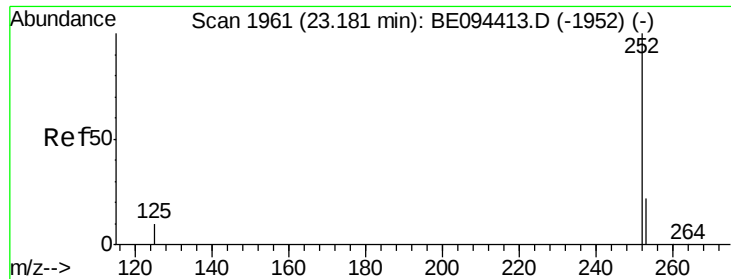
Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

265 32.3 22.8 34.2

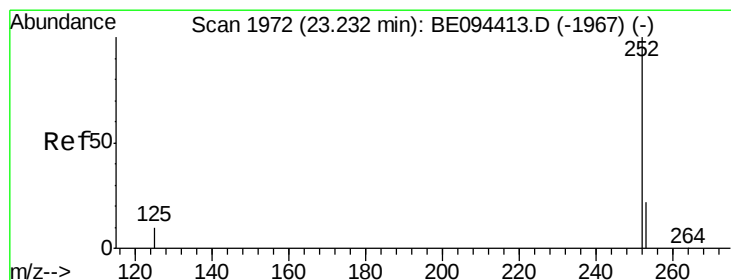
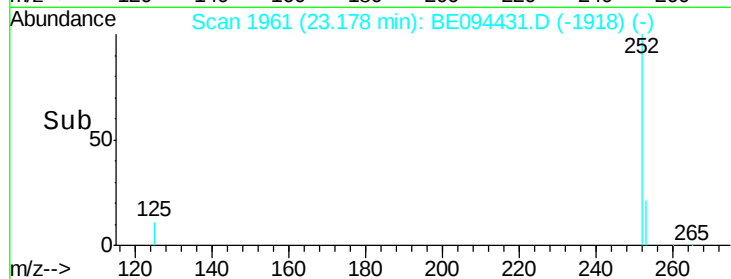
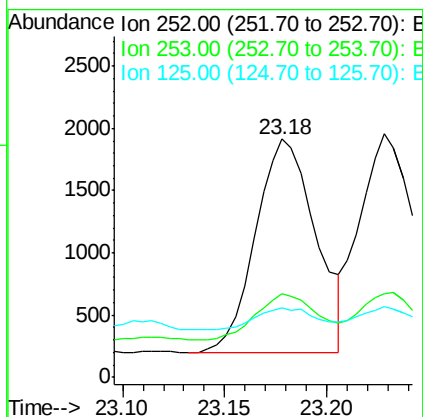
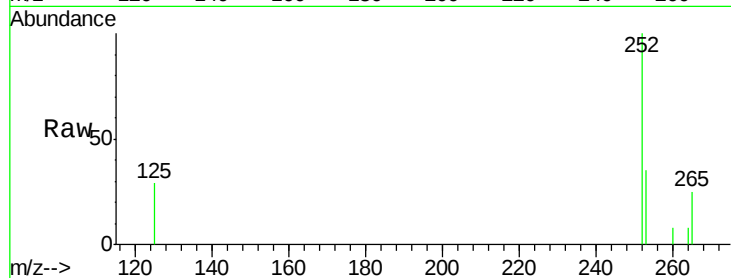




#35
Benzo(b)fluoranthene
Concen: 0.116 ng
RT: 23.18 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

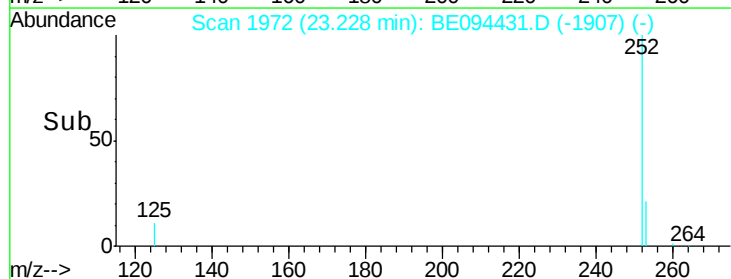
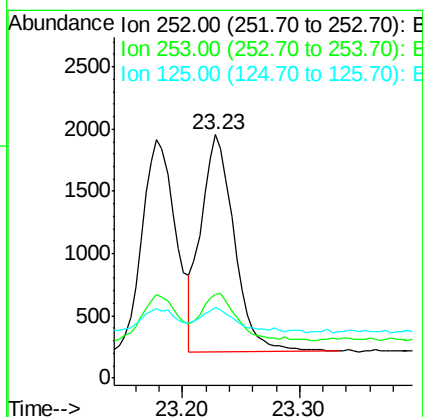
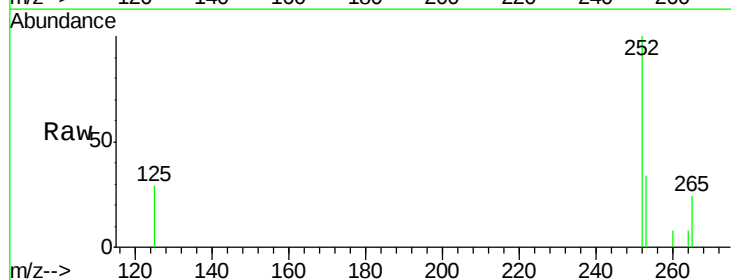
Instrument :
BNA_E
ClientSampleId :
LOD-SOIL-01-QT4-2017

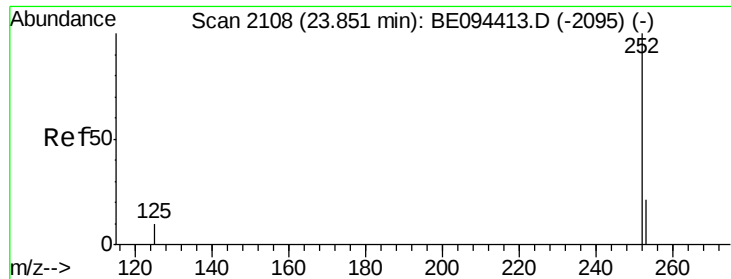
Tgt Ion:252 Resp: 3509
Ion Ratio Lower Upper
252 100
253 35.2 48.0 72.0#
125 29.1 56.0 84.0#



#36
Benzo(k)fluoranthene
Concen: 0.116 ng
RT: 23.23 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE094431.D
Acq: 17 Oct 2017 15:51

Tgt Ion:252 Resp: 3452
Ion Ratio Lower Upper
252 100
253 34.3 48.0 72.0#
125 29.2 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.113 ng

RT: 23.84 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017

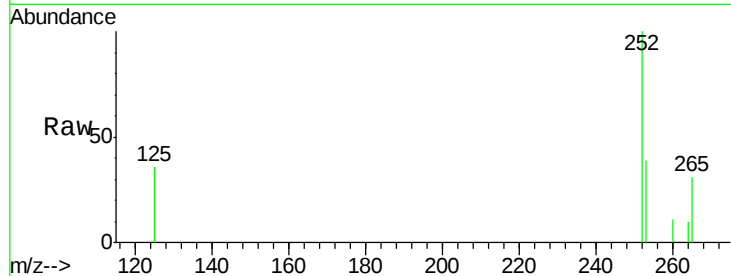
Tgt Ion: 252 Resp: 3206

Ion Ratio Lower Upper

252 100

253 39.1 52.0 78.0#

125 36.1 68.0 102.0#

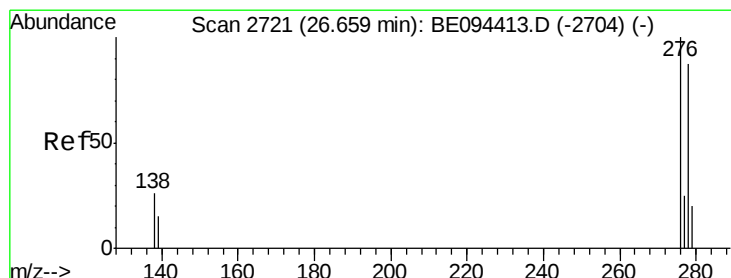
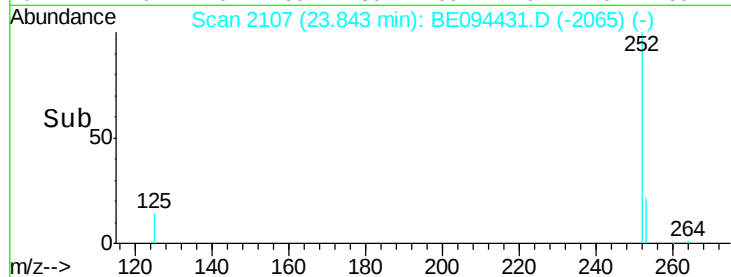
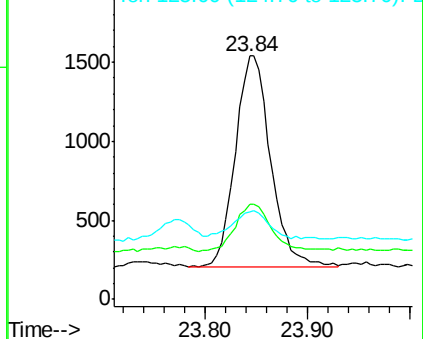


Abundance

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: 0.111 ng

RT: 26.66 min Scan# 2721

Delta R.T. -0.00 min

Lab File: BE094431.D

Acq: 17 Oct 2017 15:51

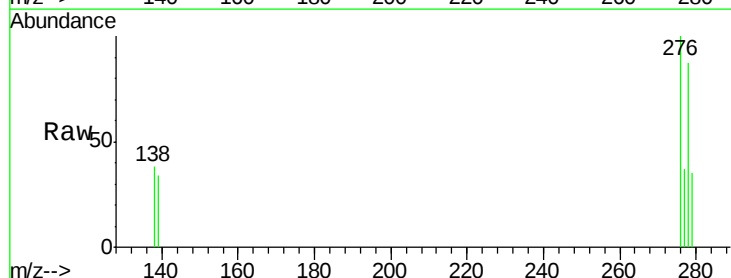
Tgt Ion: 278 Resp: 3002

Ion Ratio Lower Upper

278 100

139 39.2 56.0 84.0#

279 40.9 52.0 78.0#

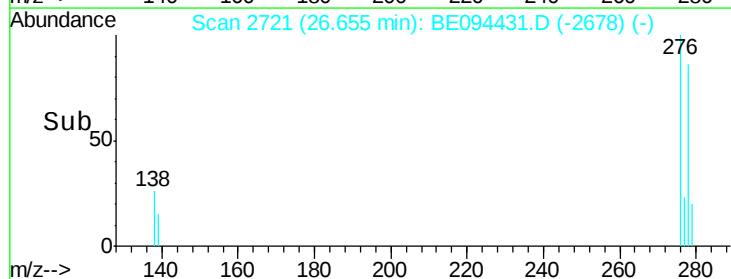
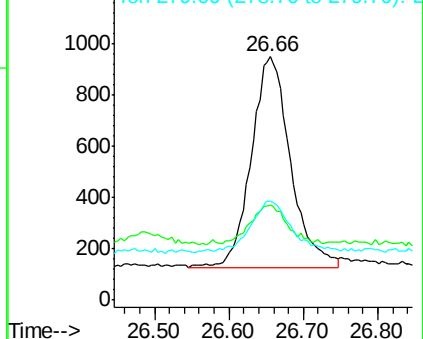


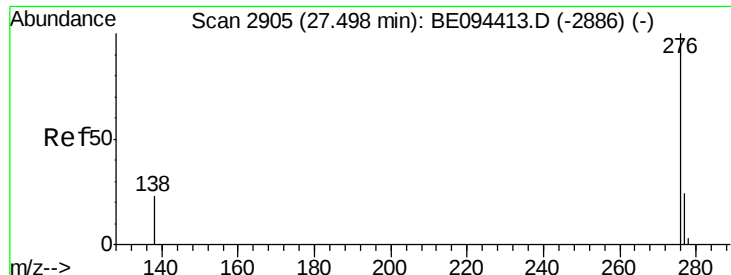
Abundance

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: 0.113 ng

RT: 27.48 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BE094431.D

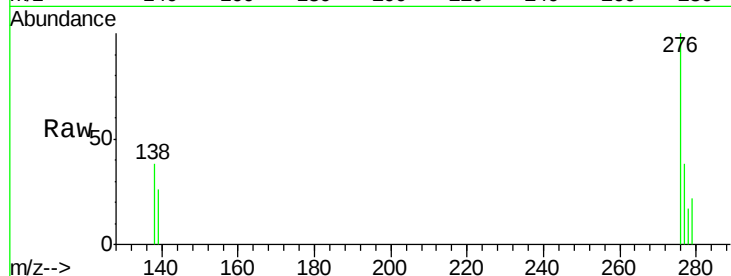
Acq: 17 Oct 2017 15:51

Instrument :

BNA_E

ClientSampleId :

LOD-SOIL-01-QT4-2017



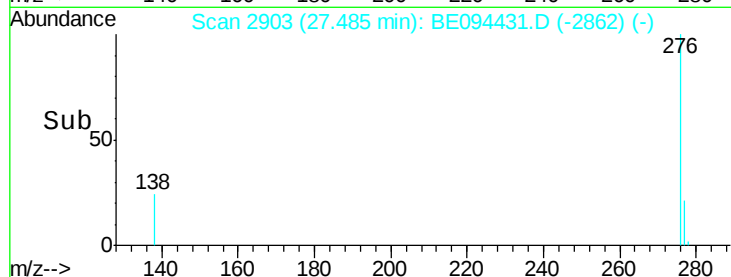
Tgt Ion: 276 Resp: 2938

Ion Ratio Lower Upper

276 100

277 38.1 52.0 78.0#

138 38.5 44.0 66.0#



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

