

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
 Data File : BE095554.D
 Acq On : 7 Feb 2018 15:53
 Operator : SJ/JU
 Sample : J1161-02
 Misc : L00 0.2ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Quant Time: Feb 08 01:15:40 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1200	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4688	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2696	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6372	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6515	0.40	ng	0.00
34) Perylene-d12	24.43	264	5897	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1165	0.32	ng	0.00
5) Phenol-d6	7.55	99	1560	0.31	ng	-0.01
8) Nitrobenzene-d5	9.62	82	1615	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2760	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	333	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.65	172	4064	0.35	ng	0.00
25) Fluoranthene-d10	19.69	212	28740	0.34	ng	0.00
29) Terphenyl-d14	20.25	244	4671	0.34	ng	0.00

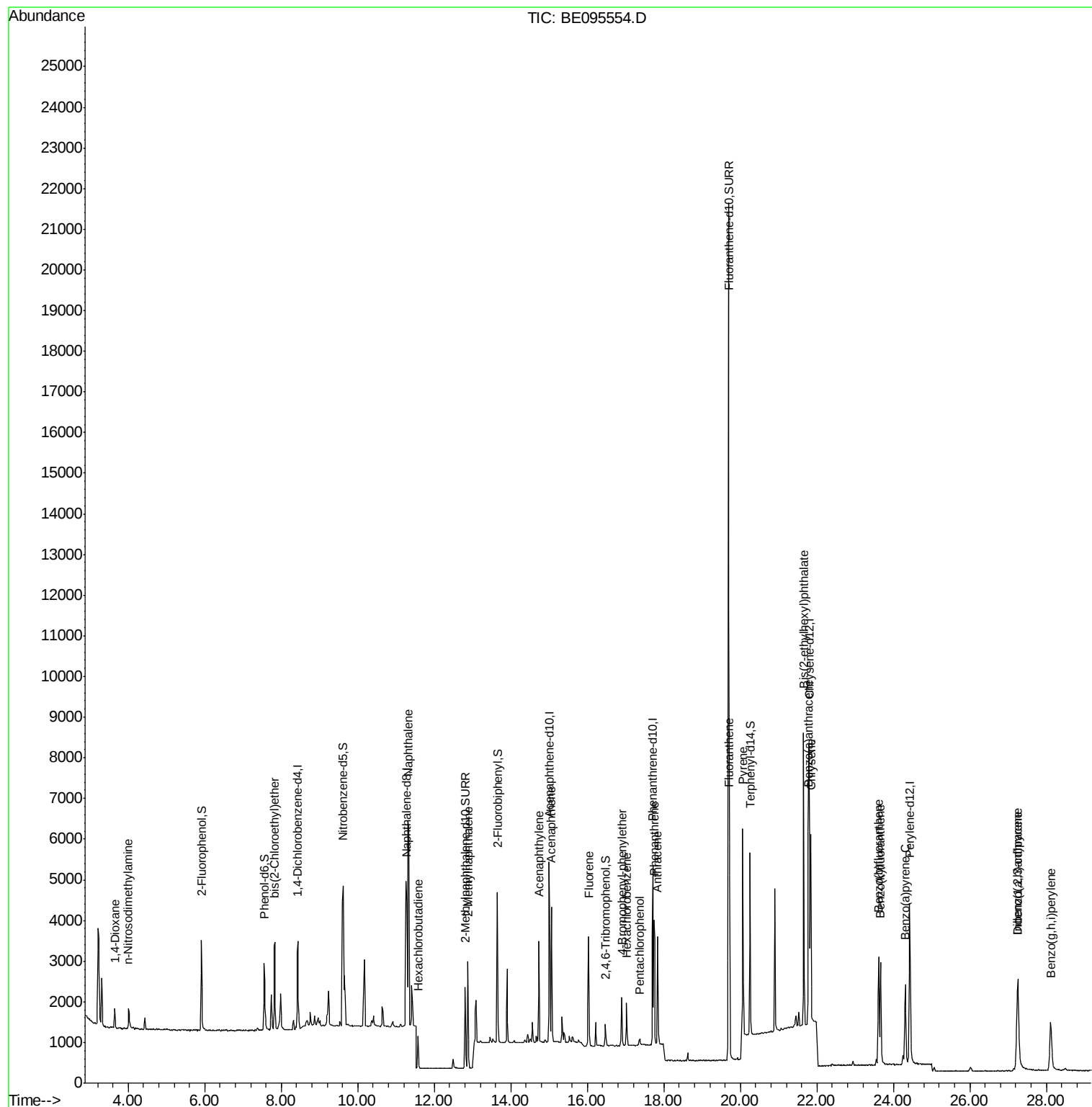
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.65	88	379	0.191	ng	# 84
3) n-Nitrosodimethylamine	4.00	42	437	0.175	ng	83
6) bis(2-Chloroethyl)ether	7.83	93	882	0.191	ng	91
9) Naphthalene	11.31	128	10390	0.191	ng	# 98
10) Hexachlorobutadiene	11.58	225	512	0.175	ng	# 90
12) 2-Methylnaphthalene	12.88	142	1784	0.193	ng	95
16) Acenaphthylene	14.73	152	2812	0.183	ng	98
17) Acenaphthene	15.06	154	1829	0.191	ng	94
18) Fluorene	16.04	166	2297	0.191	ng	# 80
20) 4-Bromophenyl-phenylether	16.91	248	739	0.193	ng	# 69
21) Hexachlorobenzene	17.03	284	793	0.201	ng	# 81
22) Pentachlorophenol	17.37	266	138	0.247	ng	84
23) Phenanthrene	17.74	178	3904	0.200	ng	99
24) Anthracene	17.83	178	3398	0.186	ng	97
26) Fluoranthene	19.72	202	4693	0.190	ng	98
28) Pyrene	20.07	202	5111	0.187	ng	96
30) Benzo(a)anthracene	21.78	228	4025	0.185	ng	100
31) Chrysene	21.84	228	4052	0.189	ng	98
32) Bis(2-ethylhexyl)phthalate	21.65	149	7882	0.158	ng	100
33) Indeno(1,2,3-cd)pyrene	27.24	276	3637	0.176	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	3862	0.192	ng	# 93
36) Benzo(k)fluoranthene	23.66	252	3970	0.192	ng	# 91
37) Benzo(a)pyrene	24.31	252	3625	0.194	ng	# 92
38) Dibenzo(a,h)anthracene	27.26	278	2826	0.173	ng	96
39) Benzo(g,h,i)perylene	28.11	276	3238	0.184	ng	# 92

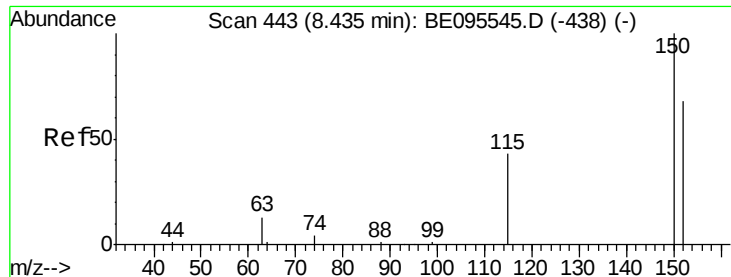
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 443

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

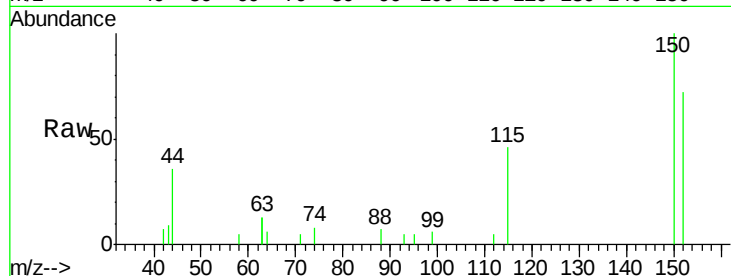
Tot Ion:152 Resp: 1200

Ion Ratio Lower Upper

152 100

150 139.0 117.2 175.8

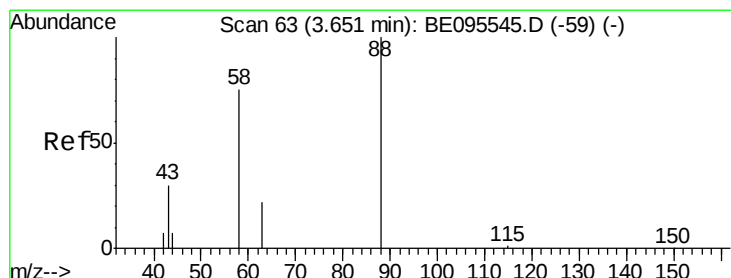
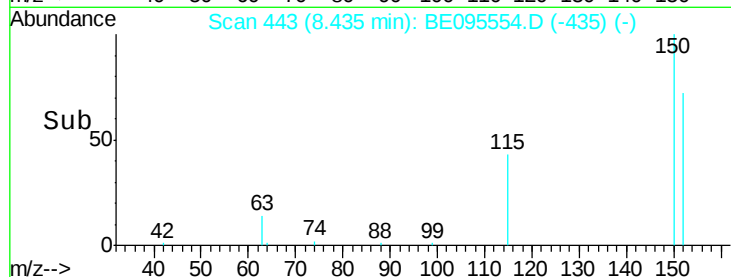
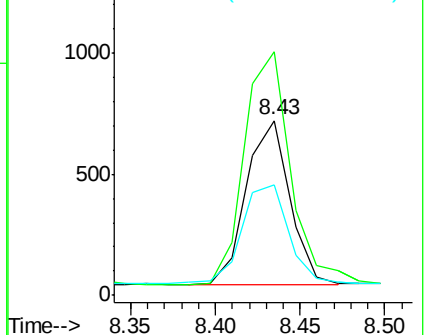
115 63.3 57.0 85.6



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: 0.191 ng

RT: 3.65 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

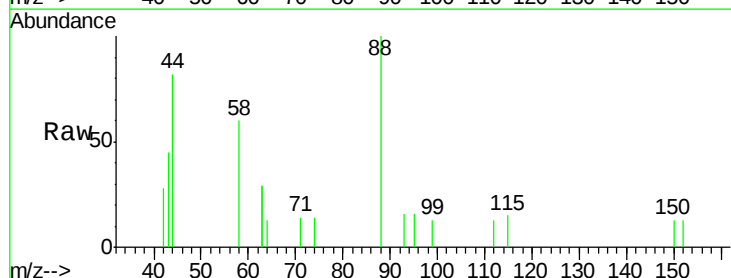
Tgt Ion: 88 Resp: 379

Ion Ratio Lower Upper

88 100

58 86.0 63.2 94.8

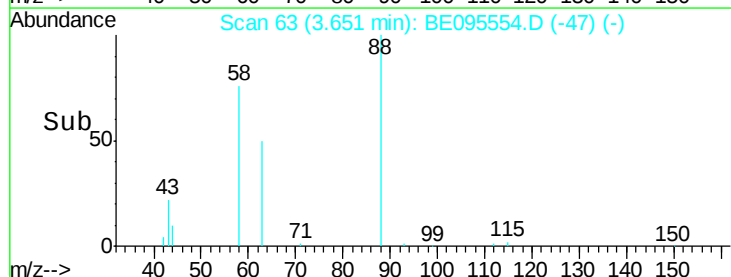
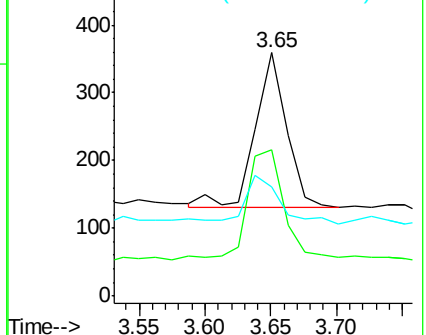
43 32.2 41.2 61.8#

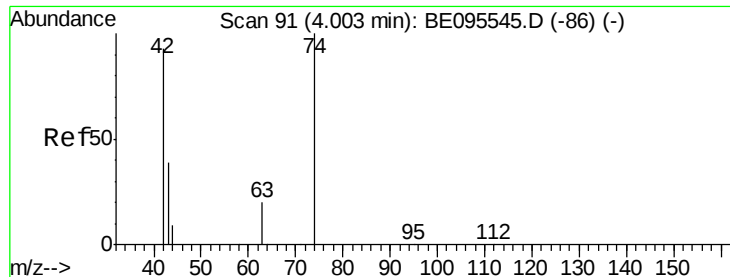


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



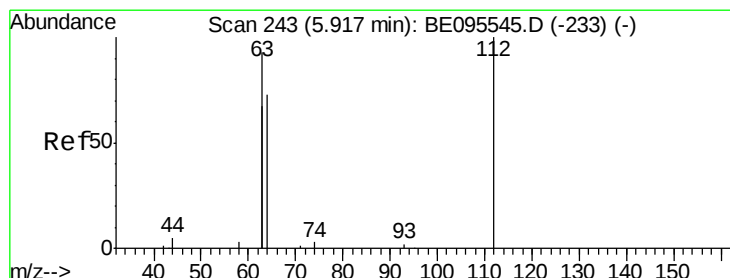
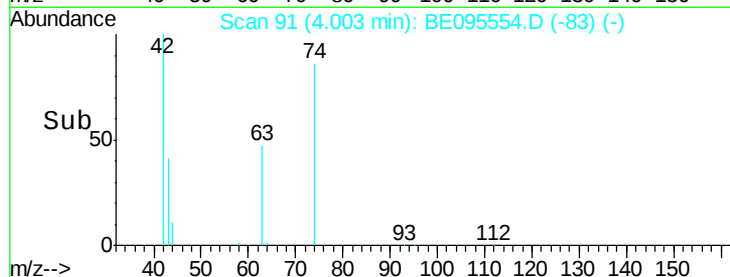
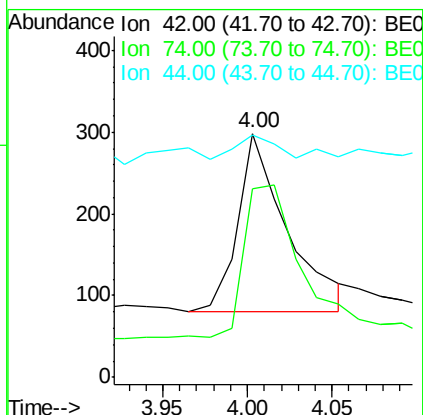
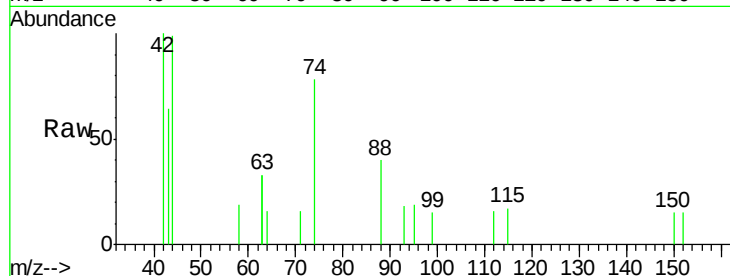


#3

n-Nitrosodimethylamine
 Concen: 0.175 ng
 RT: 4.00 min Scan# 91
 Delta R.T. 0.00 min
 Lab File: BE095554.D
 Acq: 7 Feb 2018 15:53

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

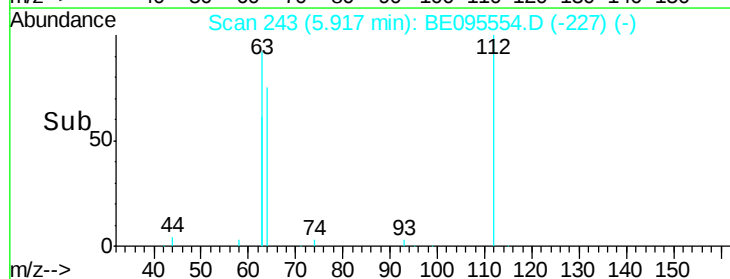
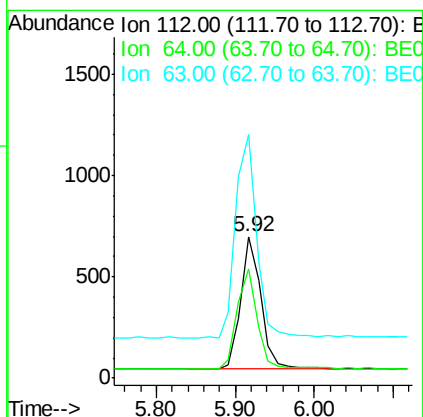
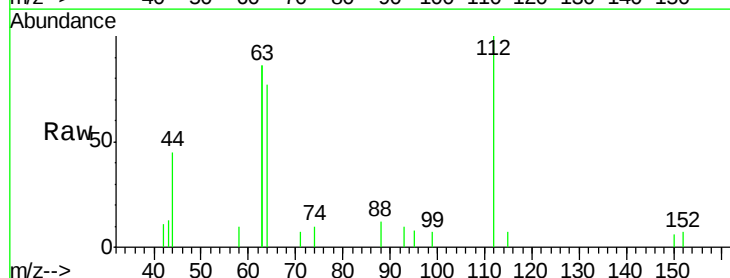
Tot Ion: 42 Resp: 437
 Ion Ratio Lower Upper
 42 100
 74 99.8 96.0 144.0
 44 12.1 12.0 18.0

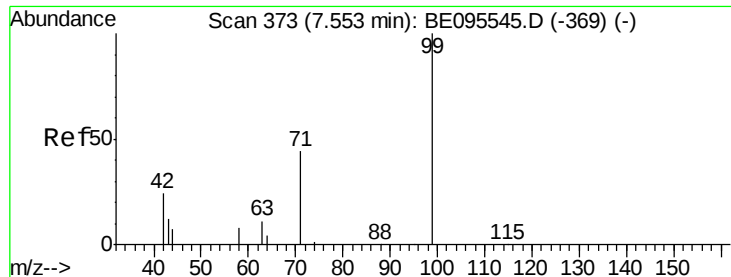


#4

2-Fluorophenol
 Concen: 0.322 ng
 RT: 5.92 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: BE095554.D
 Acq: 7 Feb 2018 15:53

Tgt Ion: 112 Resp: 1165
 Ion Ratio Lower Upper
 112 100
 64 75.3 60.1 90.1
 63 162.0 116.8 175.2





#5

Phenol-d6

Concen: 0.311 ng

RT: 7.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

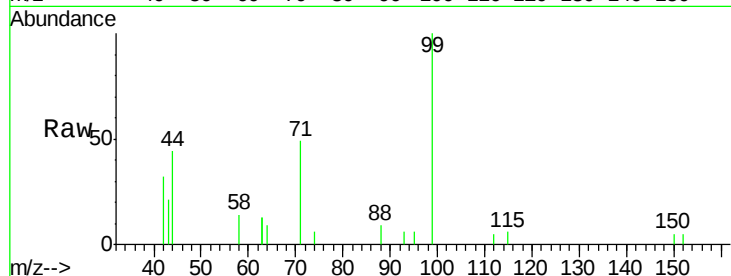
Tot Ion: 99 Resp: 1560

Ion Ratio Lower Upper

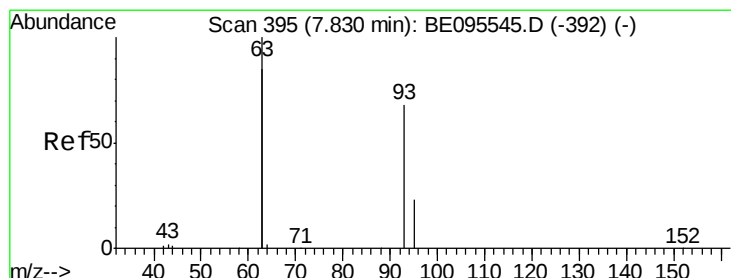
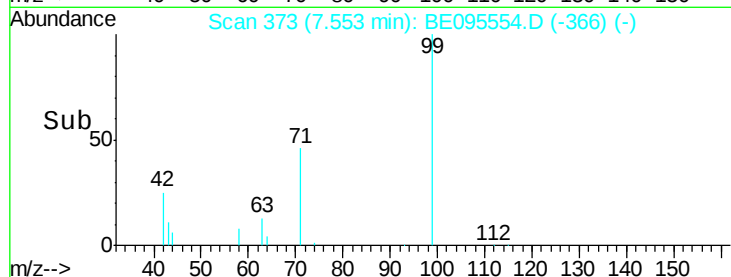
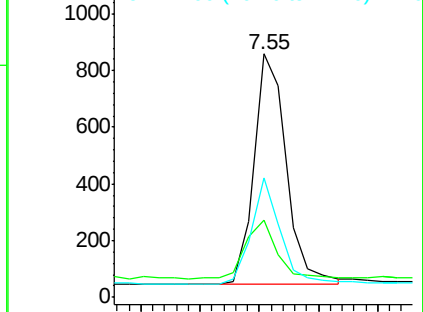
99 100

42 25.1 20.2 30.2

71 40.7 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: 0.191 ng

RT: 7.83 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

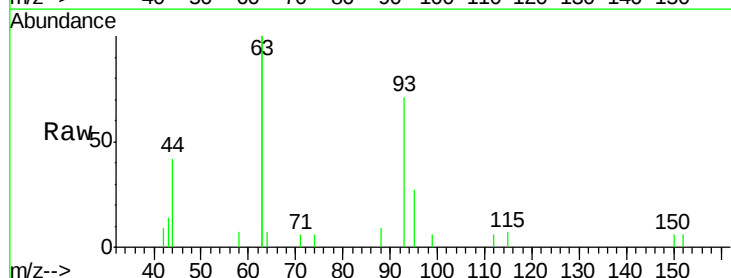
Tgt Ion: 93 Resp: 882

Ion Ratio Lower Upper

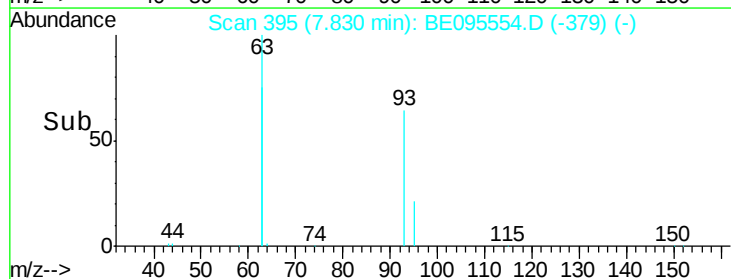
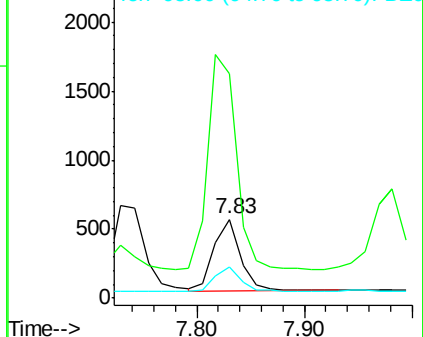
93 100

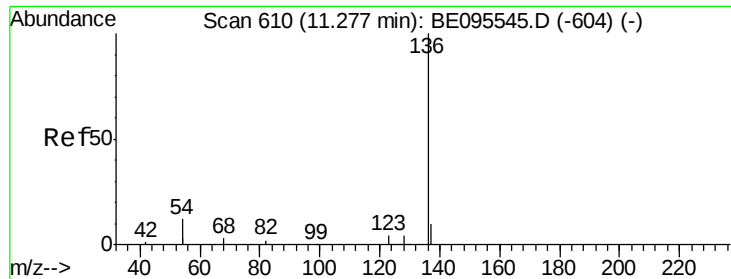
63 323.6 275.3 412.9

95 33.1 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: 11.28 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:136 Resp: 4688

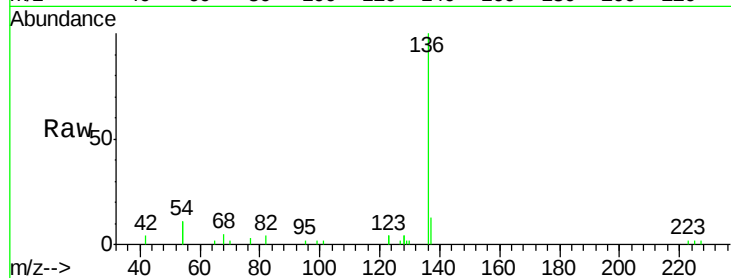
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 22.5 29.1 43.7#

68 5.2 6.2 9.2#

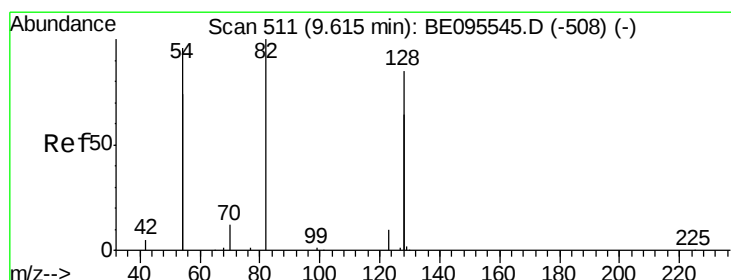
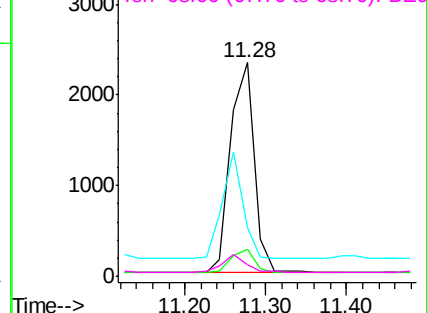
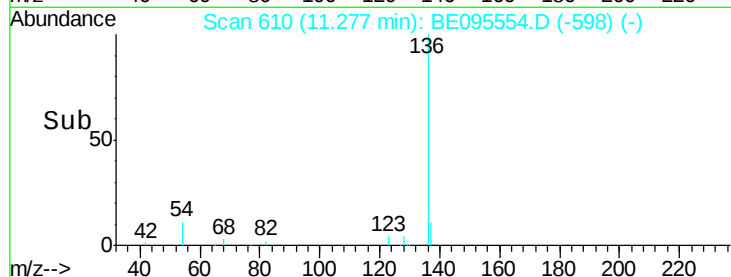


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.325 ng

RT: 9.62 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

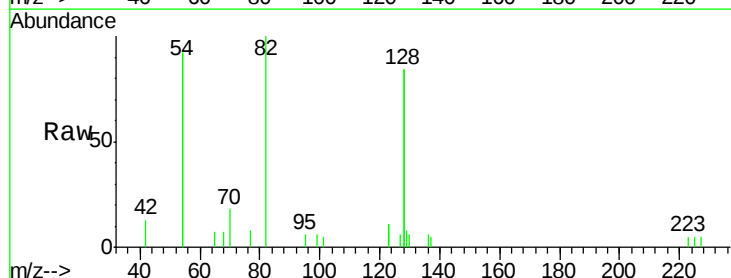
Tgt Ion: 82 Resp: 1615

Ion Ratio Lower Upper

82 100

128 168.1 150.0 225.0

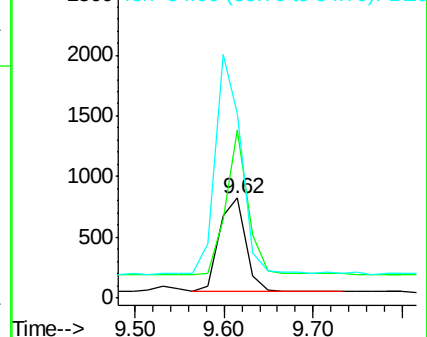
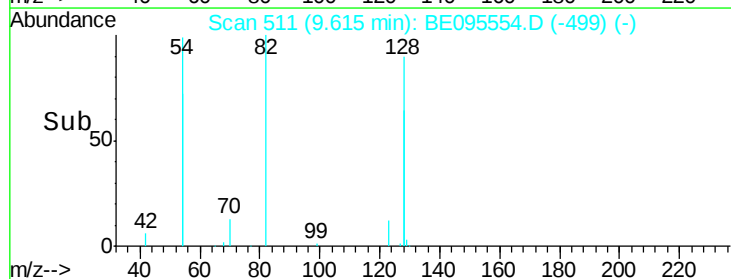
54 184.9 154.2 231.4

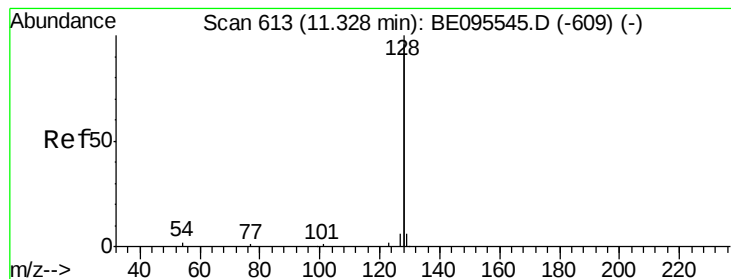


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.191 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

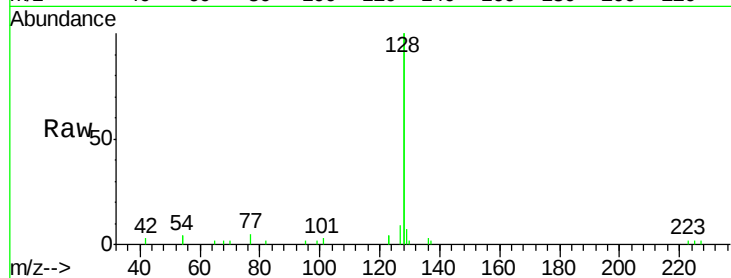
Tot Ion:128 Resp: 10390

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

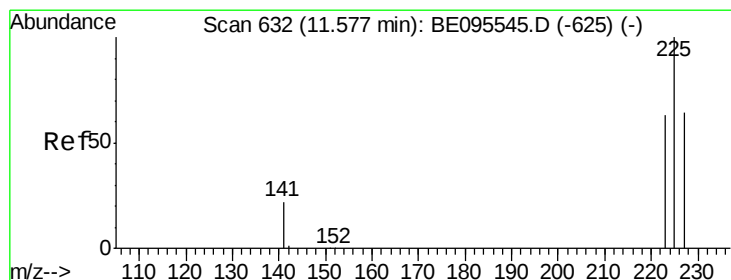
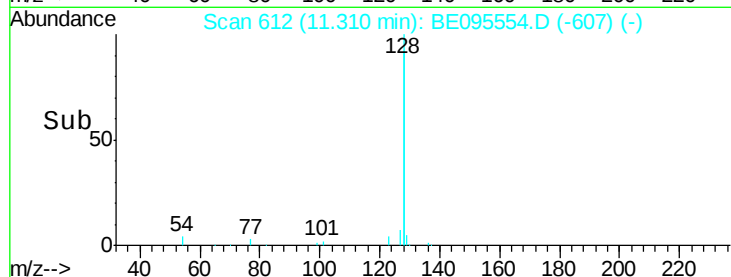
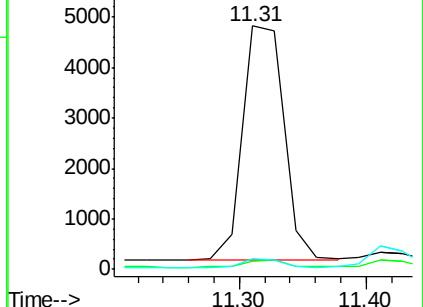
127 4.4 2.8 4.2#



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: 0.175 ng

RT: 11.58 min Scan# 632

Delta R.T. -0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

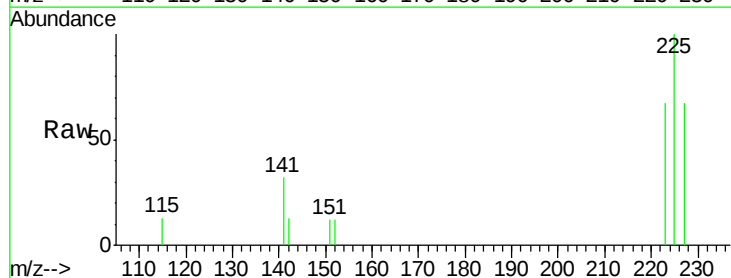
Tgt Ion:225 Resp: 512

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

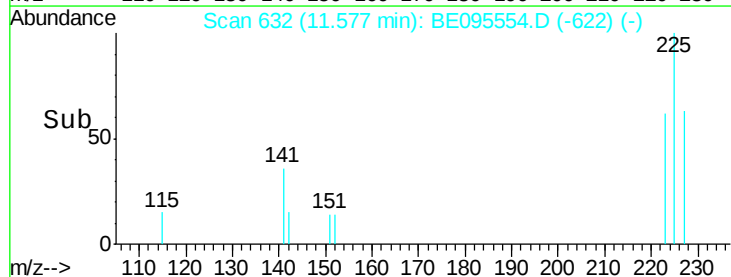
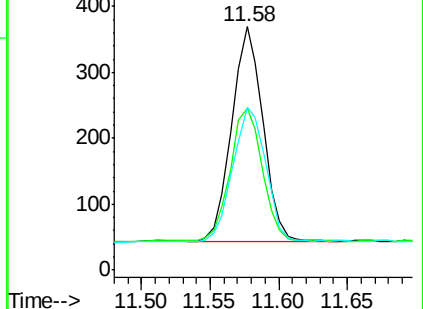
227 77.3 51.4 77.2#

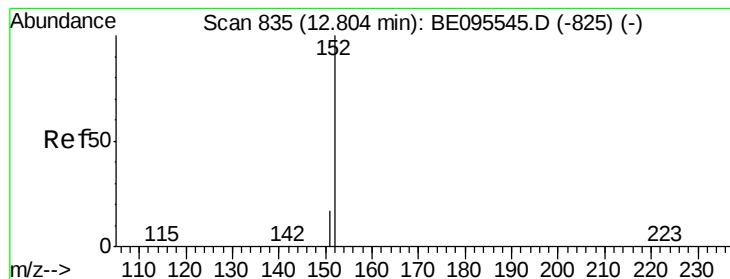


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

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ClientSampleId :

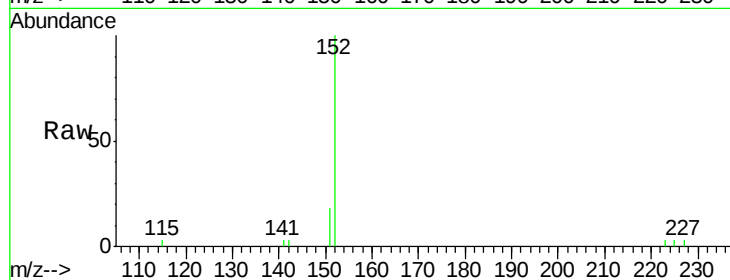
LOQ-SOIL-02-QT1-2018

Tot Ion:152 Resp: 2760

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

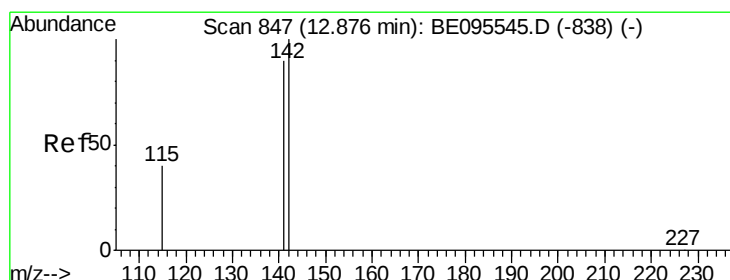
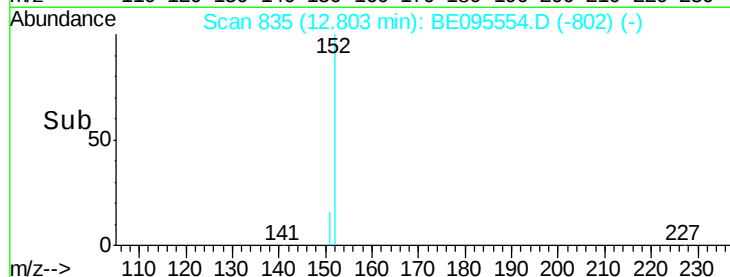
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.193 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

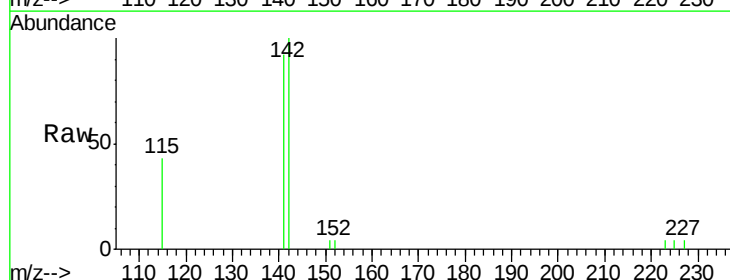
Tgt Ion:142 Resp: 1784

Ion Ratio Lower Upper

142 100

141 92.4 70.4 105.6

115 43.4 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

12.88

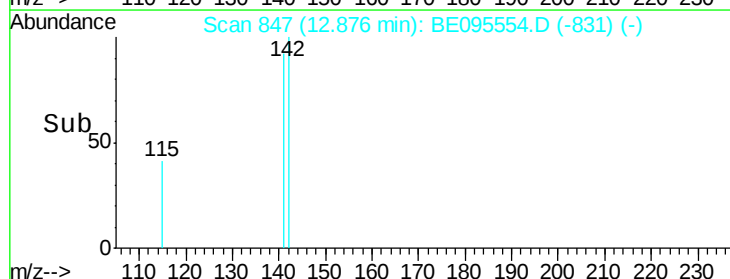
1500

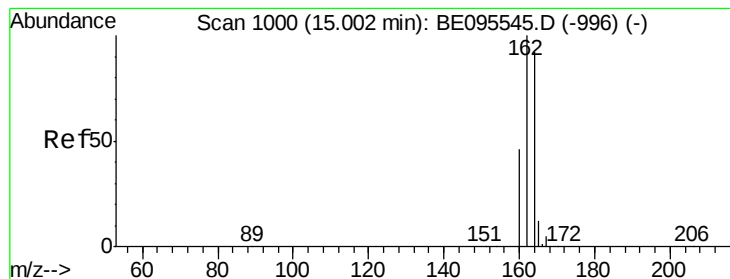
1000

500

0

Time--> 12.80 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

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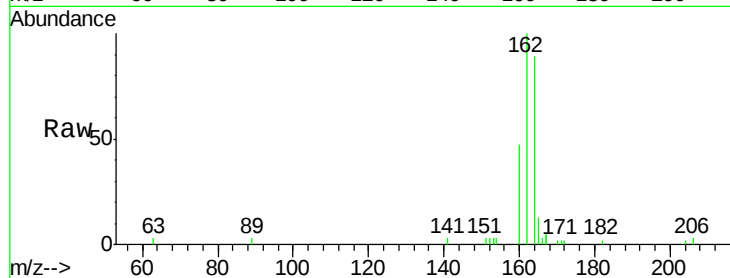
Tot Ion:164 Resp: 2696

Ion Ratio Lower Upper

164 100

162 111.8 83.1 124.7

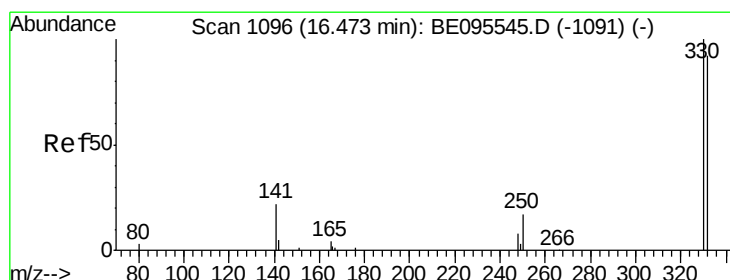
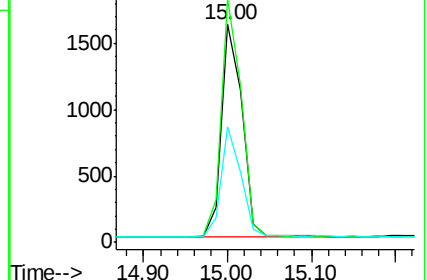
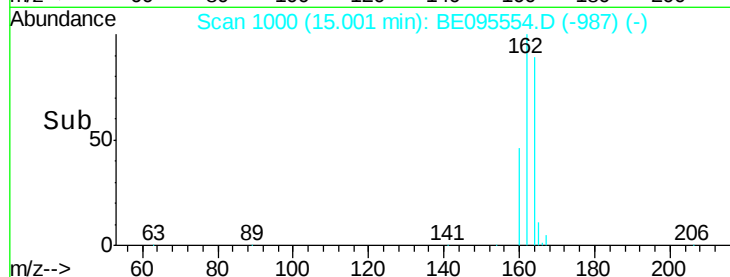
160 52.9 37.1 55.7



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: 0.271 ng

RT: 16.47 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

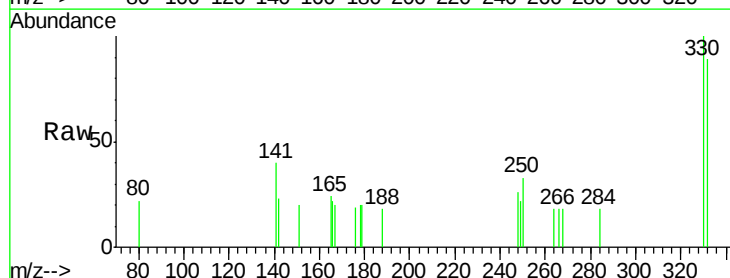
Tgt Ion:330 Resp: 333

Ion Ratio Lower Upper

330 100

332 93.4 152.7 229.1#

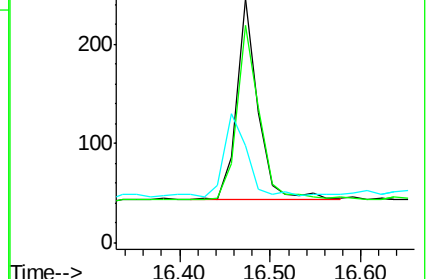
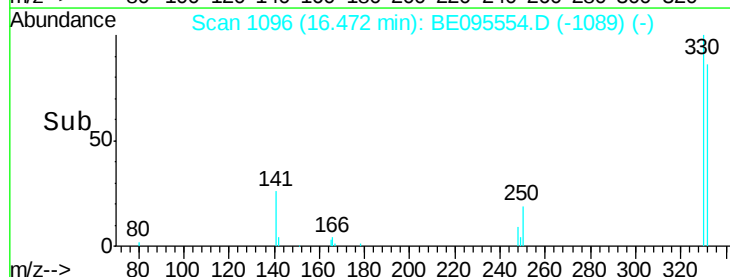
141 40.2 33.7 50.5

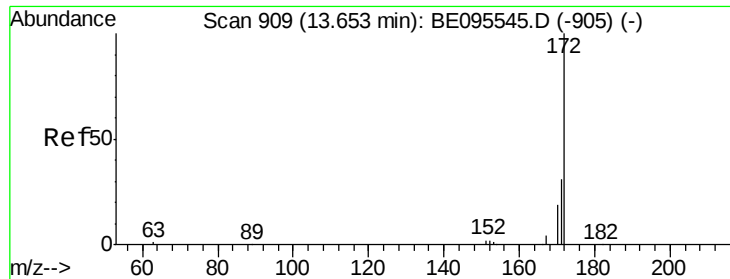


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

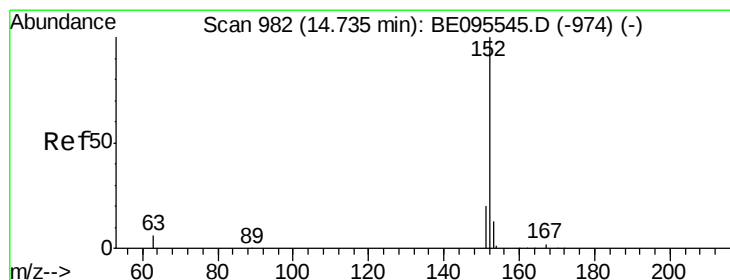
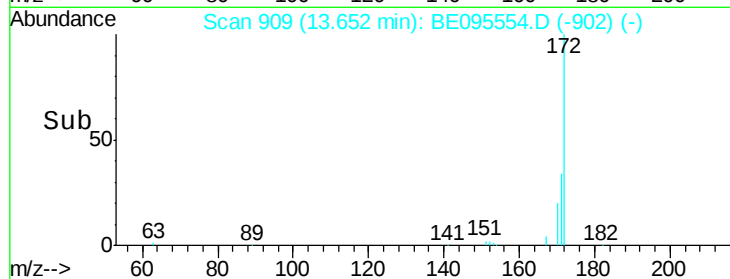
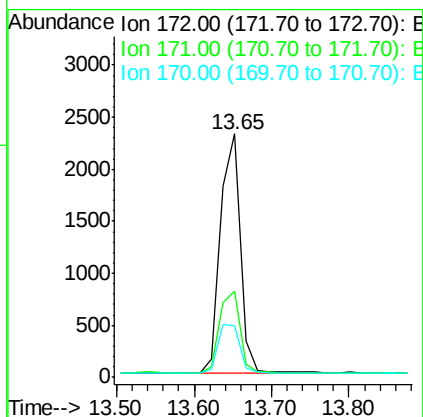
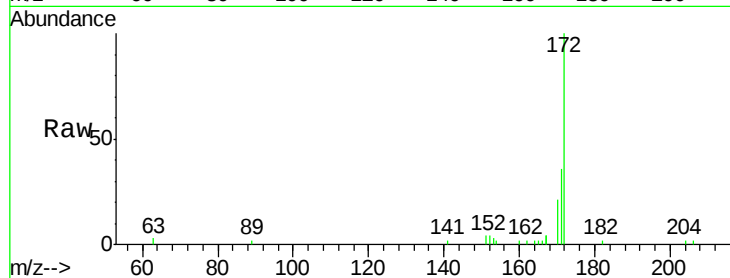




#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

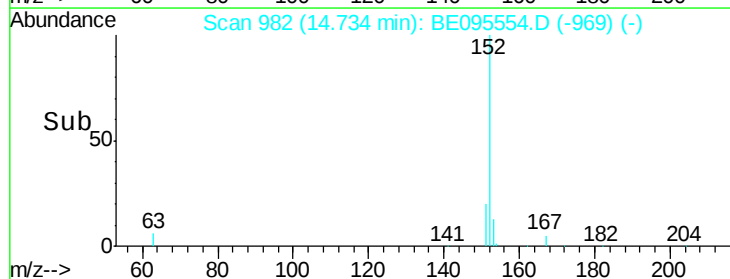
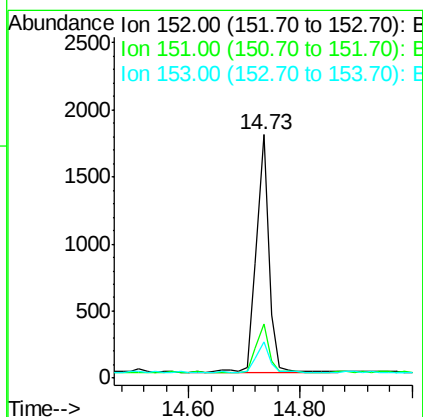
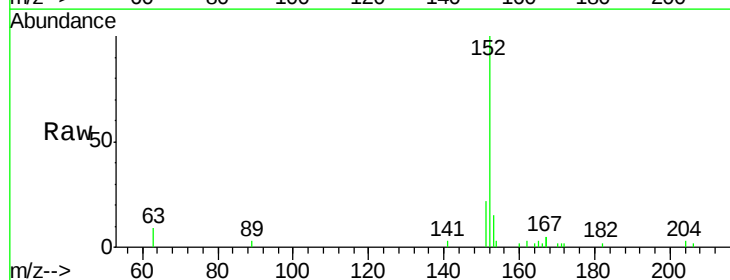
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2018

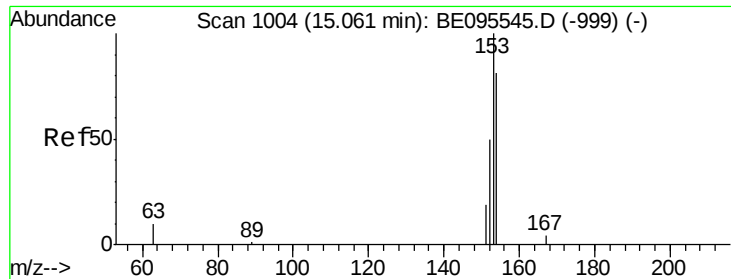
Tot Ion:172 Resp: 4064
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 21.3 21.8 32.8#



#16
Acenaphthylene
Concen: 0.183 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:152 Resp: 2812
Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 13.2 10.5 15.7

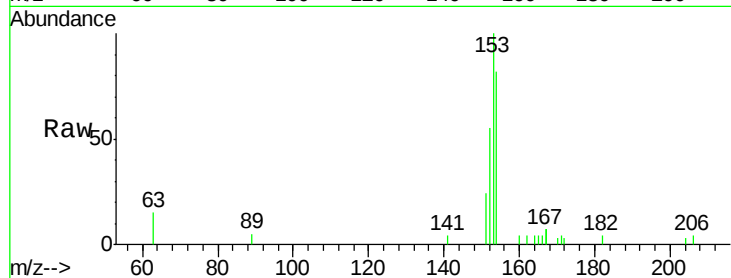




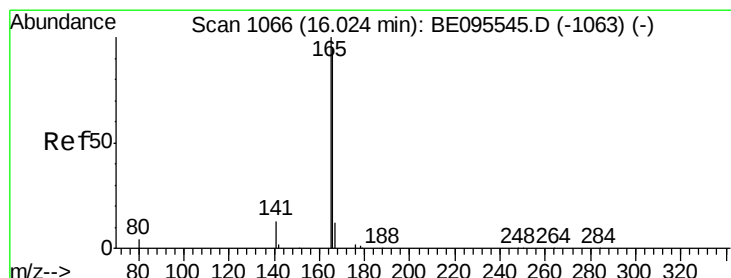
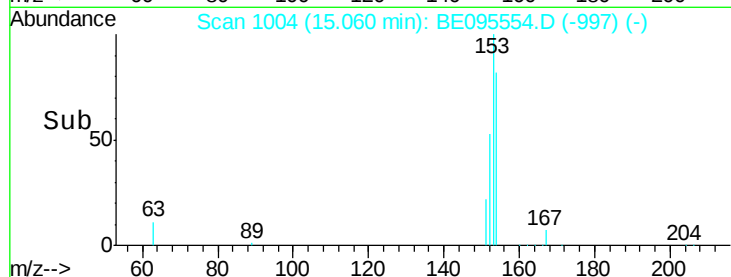
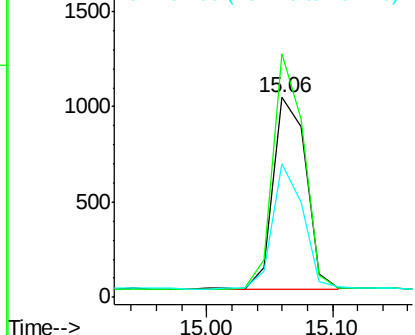
#17
Acenaphthene
Concen: 0.191 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion:154 Resp: 1829
Ion Ratio Lower Upper
154 100
153 114.9 89.2 133.8
152 60.6 42.0 63.0

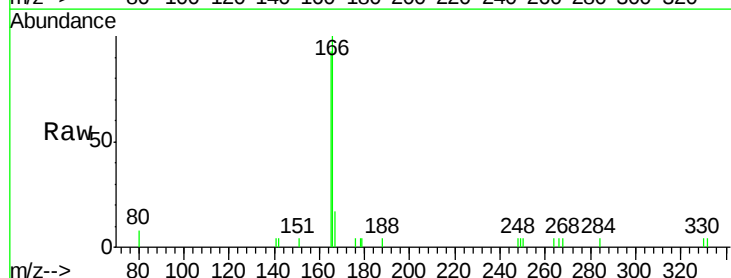


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

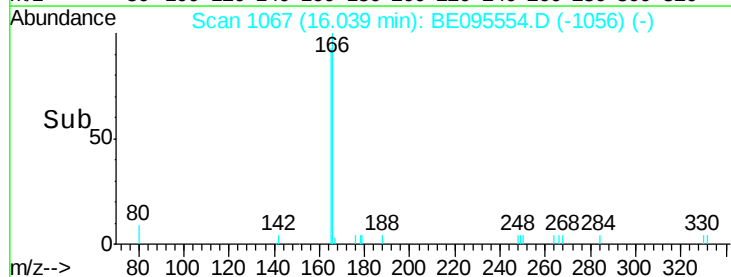
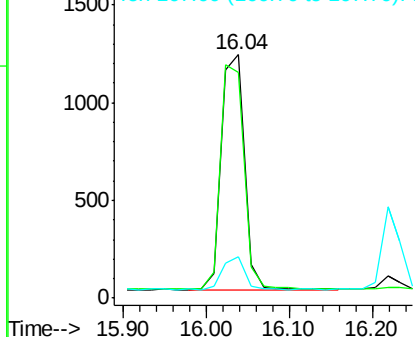


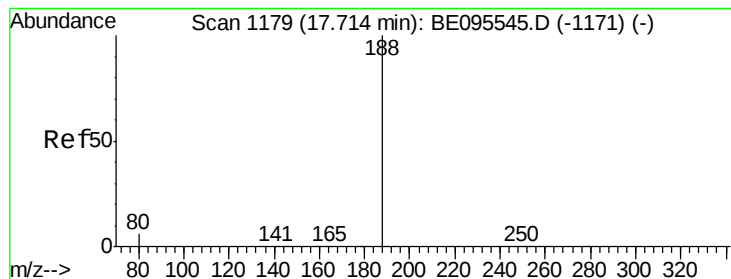
#18
Fluorene
Concen: 0.191 ng
RT: 16.04 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:166 Resp: 2297
Ion Ratio Lower Upper
166 100
165 96.9 77.8 116.6
167 13.4 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: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

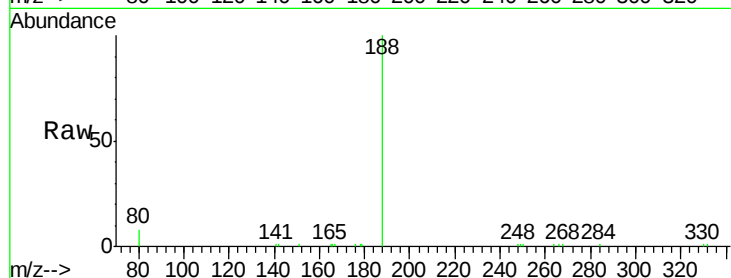
Tot Ion:188 Resp: 6372

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

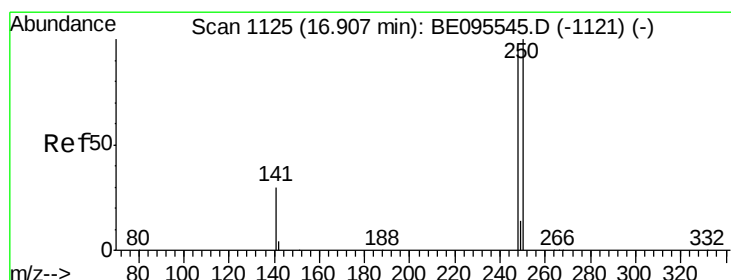
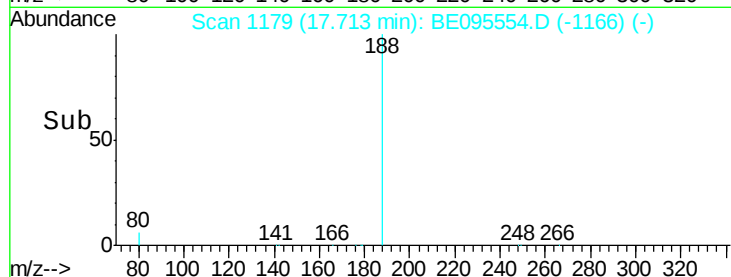
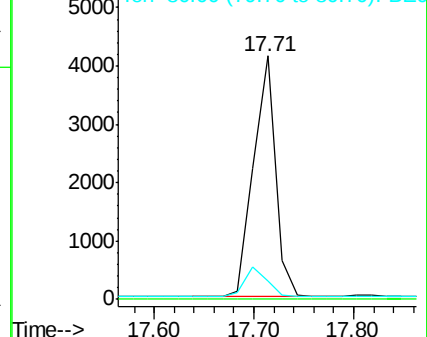
80 7.6 3.6 5.4#



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: 0.193 ng

RT: 16.91 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

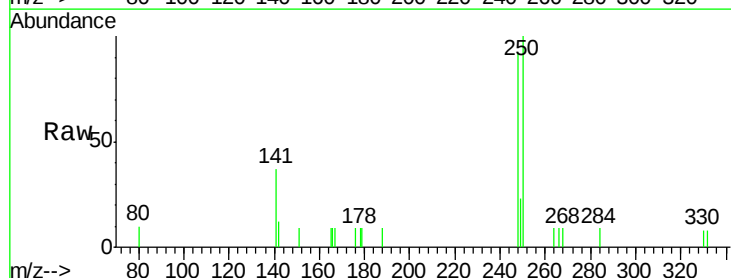
Tgt Ion:248 Resp: 739

Ion Ratio Lower Upper

248 100

250 108.4 62.7 94.1#

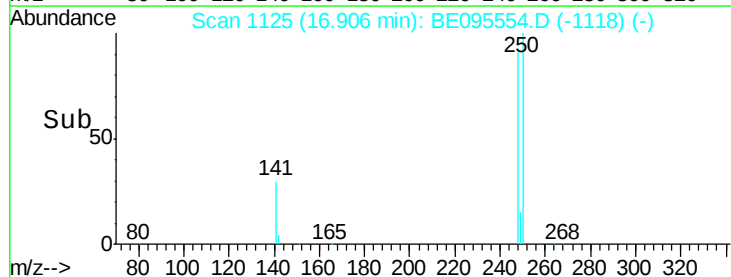
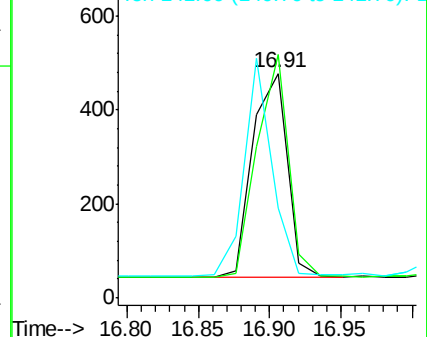
141 39.7 48.2 72.2#

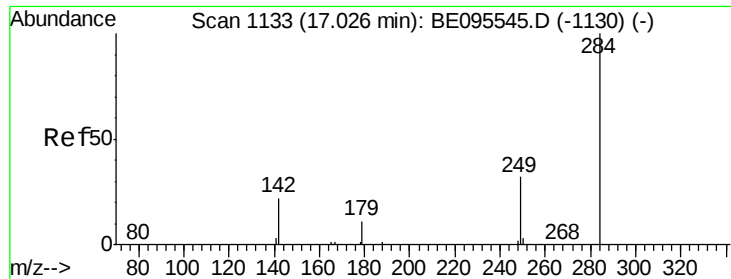


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

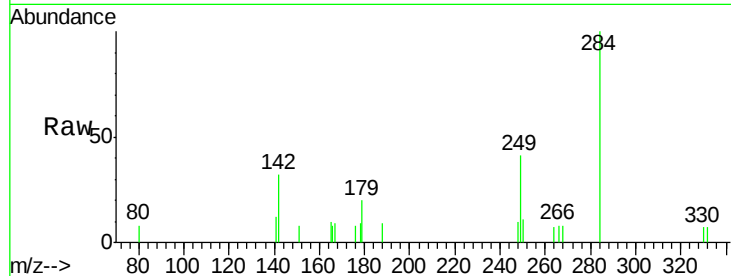




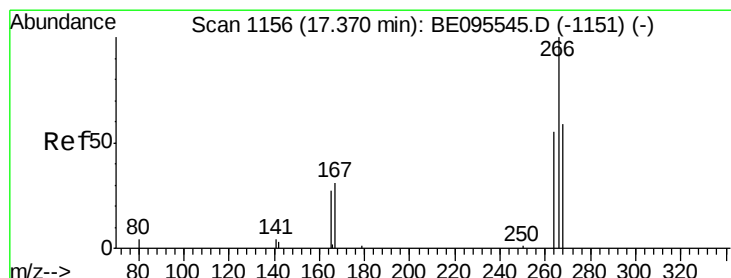
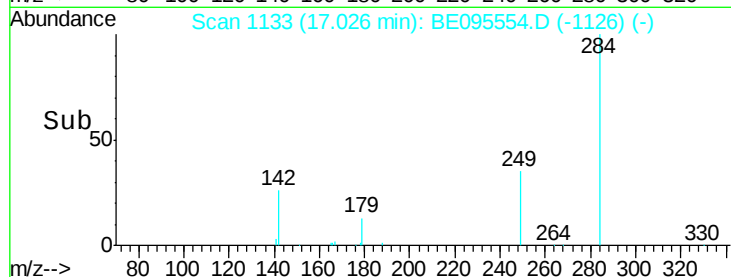
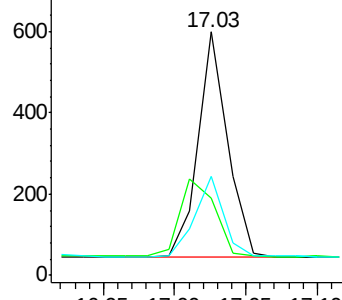
#21
Hexachlorobenzene
Concen: 0.201 ng
RT: 17.03 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tot Ion	Ratio	Lower	Upper
284	100		
142	41.4	22.1	33.1#
249	34.4	34.8	52.2#

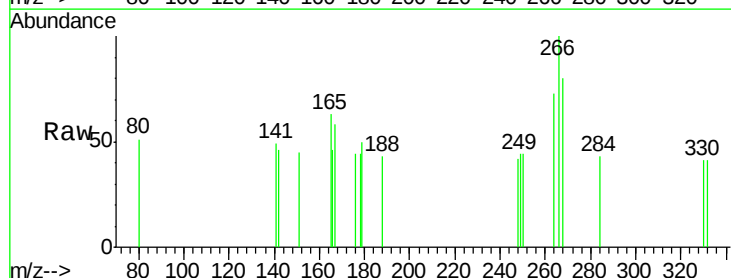


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

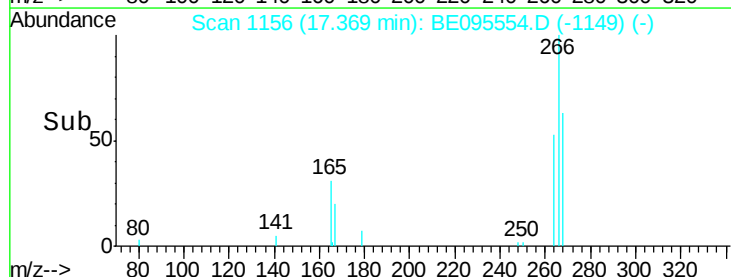
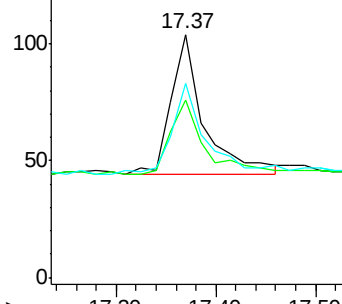


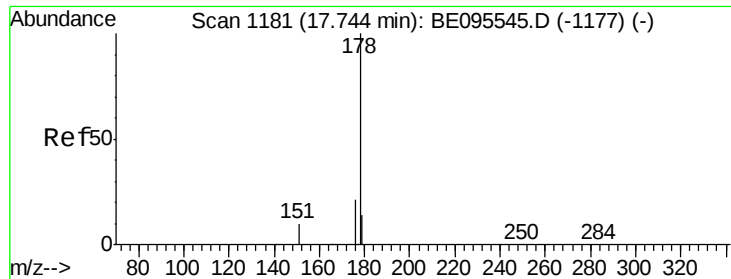
#22
Pentachlorophenol
Concen: 0.247 ng
RT: 17.37 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion	Ratio	Lower	Upper
266	100		
264	73.1	72.5	108.7
268	79.8	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





#23

Phenanthrene

Concen: 0.200 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

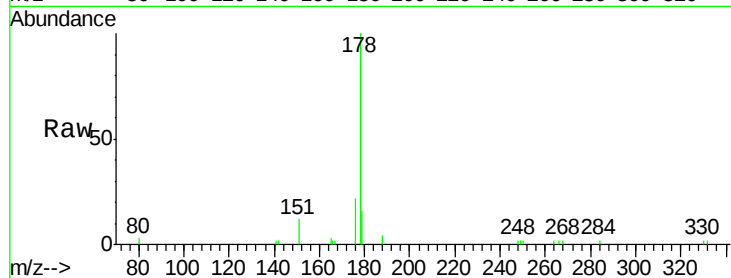
Tot Ion:178 Resp: 3904

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

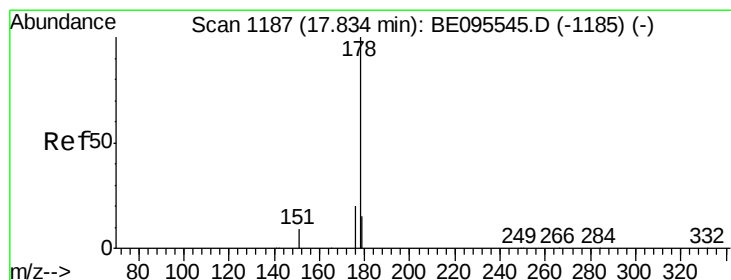
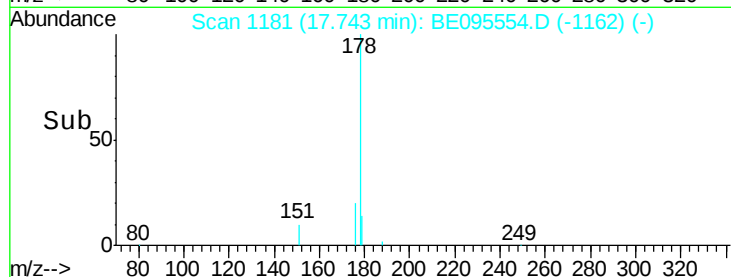
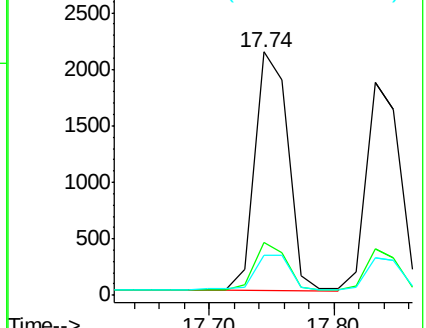
179 15.2 11.8 17.6



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: 0.186 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

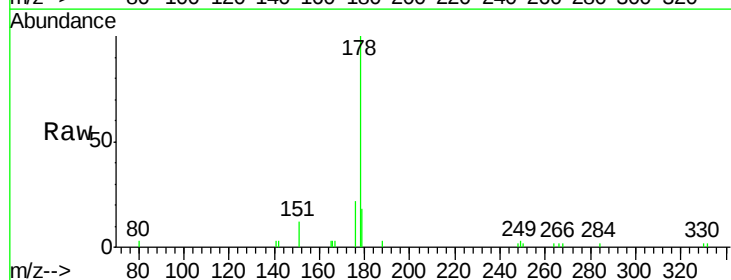
Tgt Ion:178 Resp: 3398

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

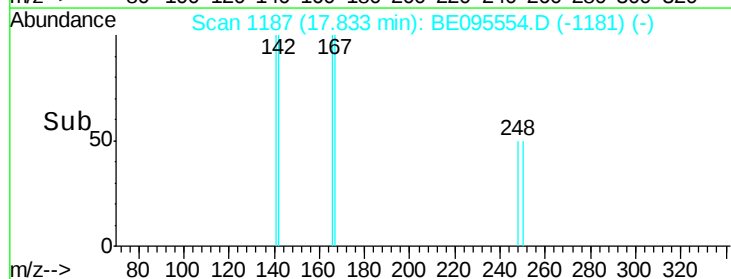
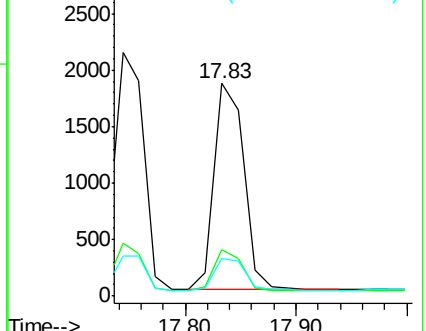
179 16.3 13.0 19.6

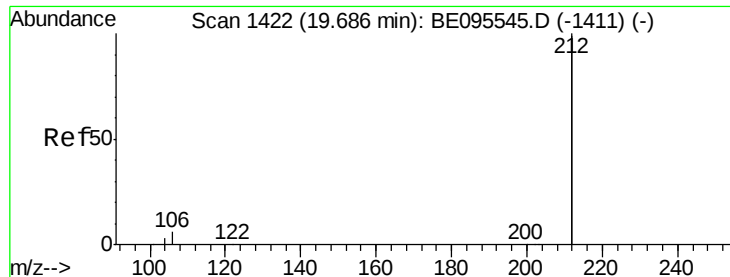


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.342 ng

RT: 19.69 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

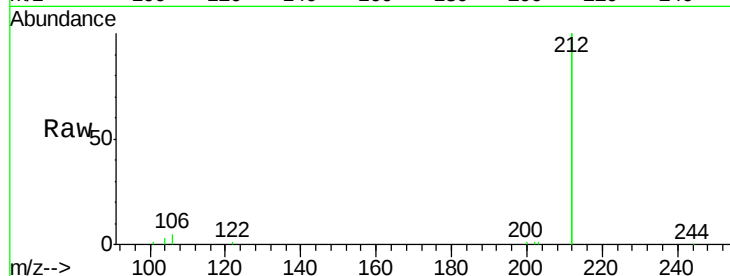
Tot Ion:212 Resp: 28740

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

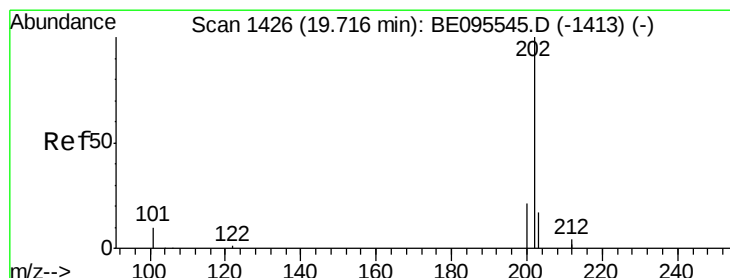
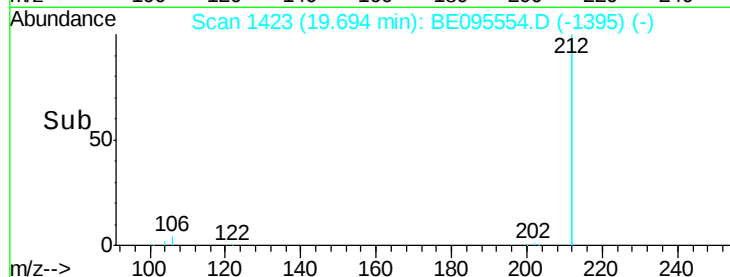
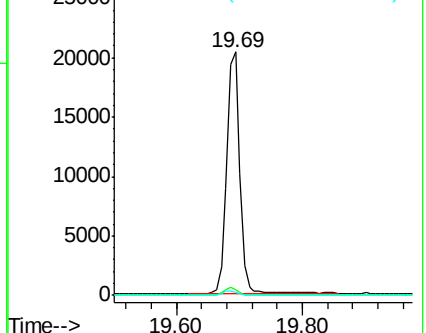
104 1.6 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.190 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

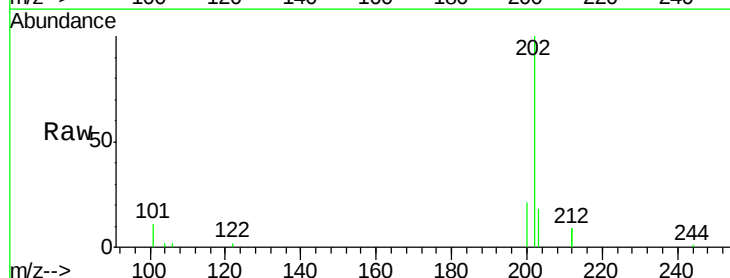
Tgt Ion:202 Resp: 4693

Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

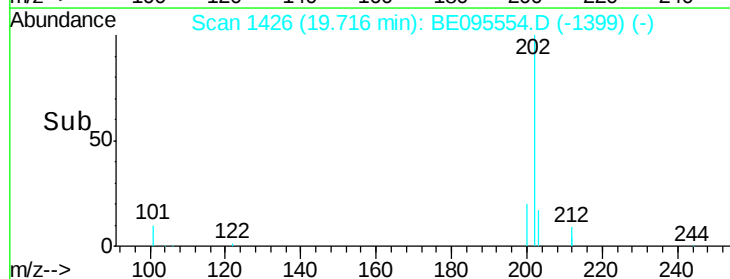
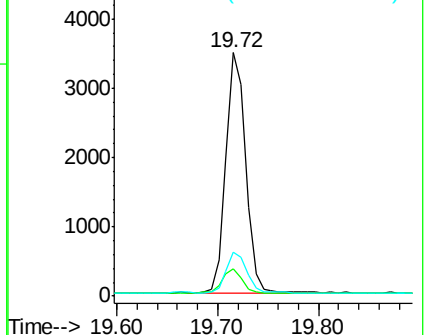
203 17.4 13.7 20.5

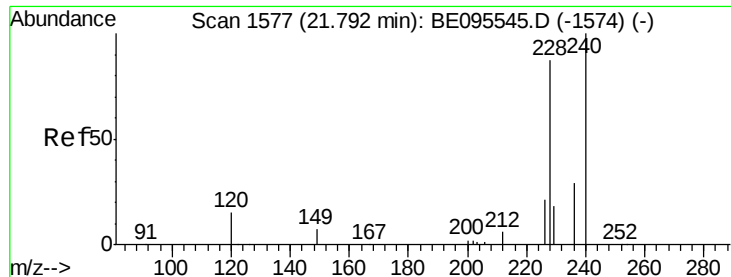


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

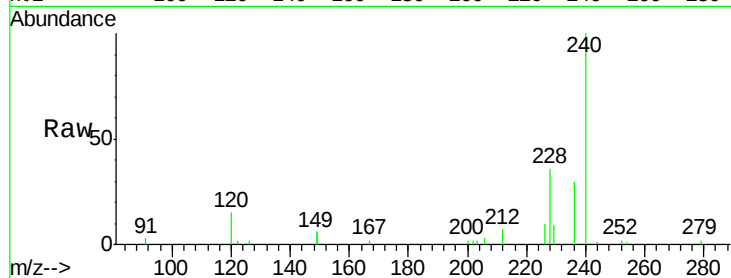
Tot Ion:240 Resp: 6515

Ion Ratio Lower Upper

240 100

120 15.3 5.5 8.3#

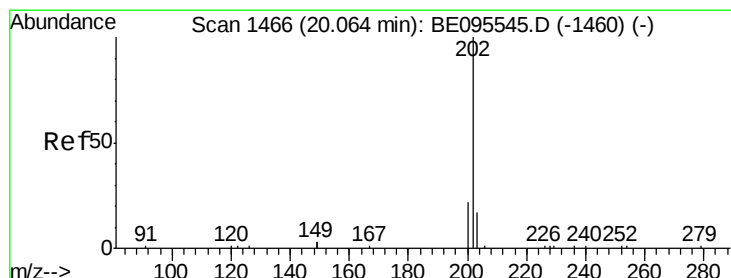
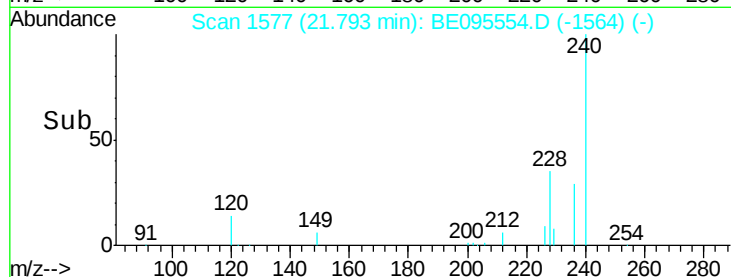
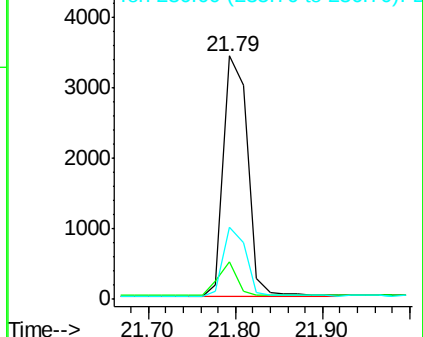
236 29.6 20.7 31.1



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: 0.187 ng

RT: 20.07 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

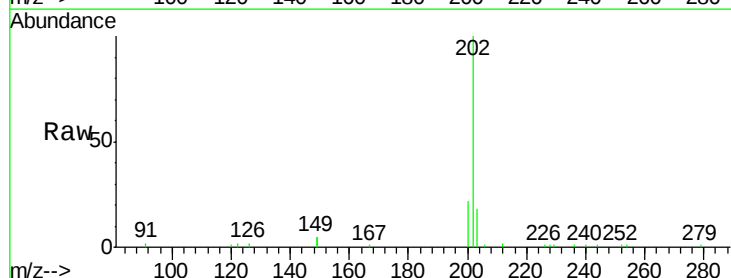
Tgt Ion:202 Resp: 5111

Ion Ratio Lower Upper

202 100

200 21.7 16.6 25.0

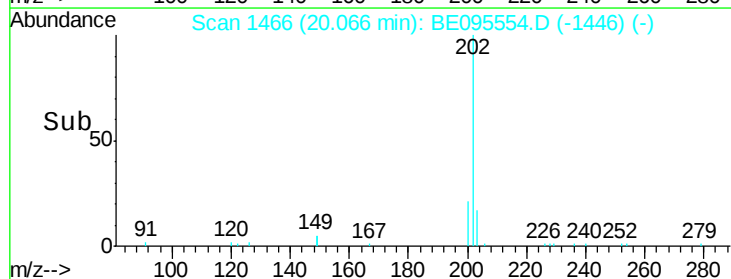
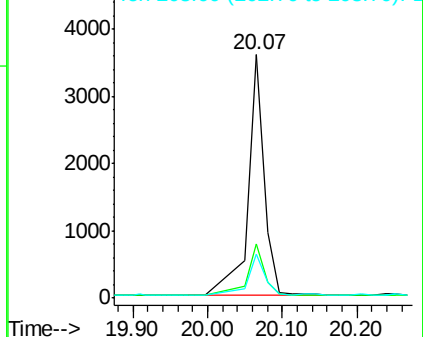
203 19.7 13.8 20.8

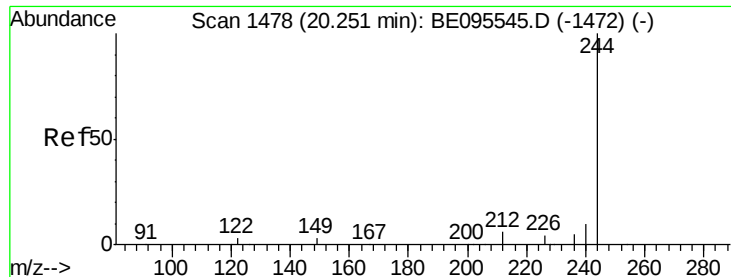


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.336 ng

RT: 20.25 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

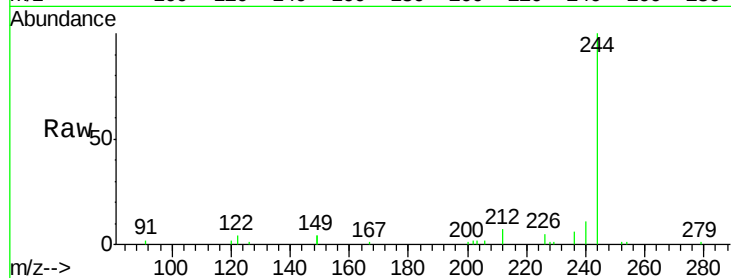
Tot Ion:244 Resp: 4671

Ion Ratio Lower Upper

244 100

212 7.3 25.4 38.0#

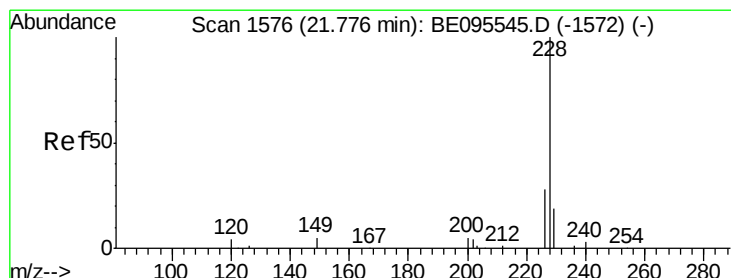
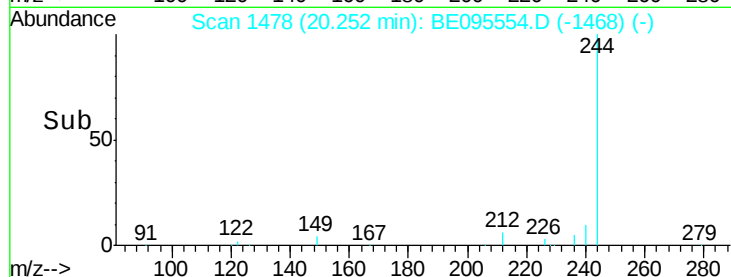
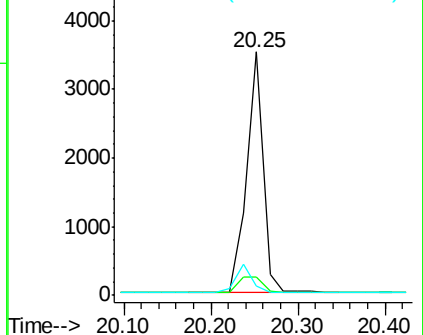
122 3.7 8.1 12.1#



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: 0.185 ng

RT: 21.78 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

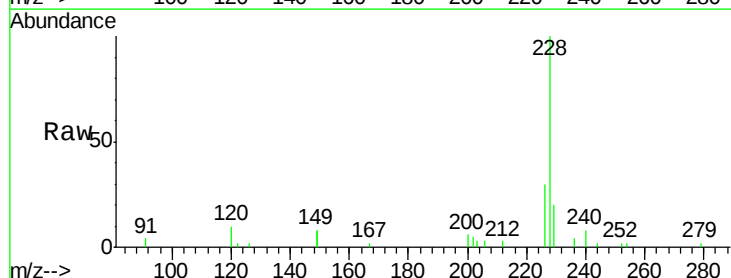
Tgt Ion:228 Resp: 4025

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

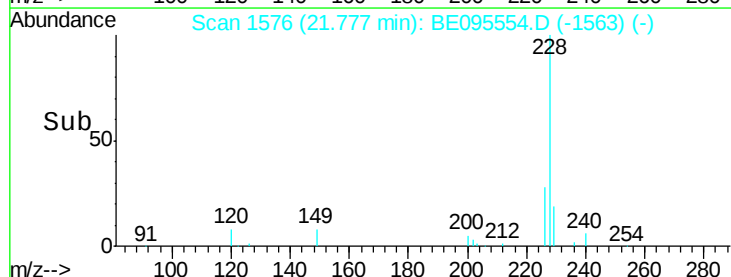
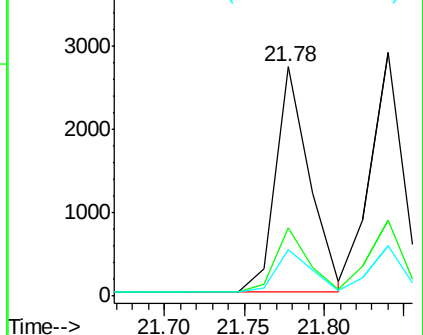
229 20.0 16.0 24.0

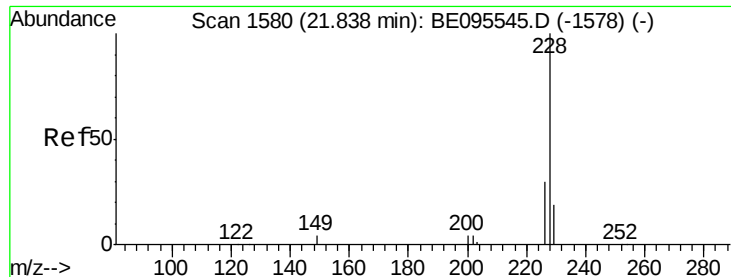


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.189 ng

RT: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

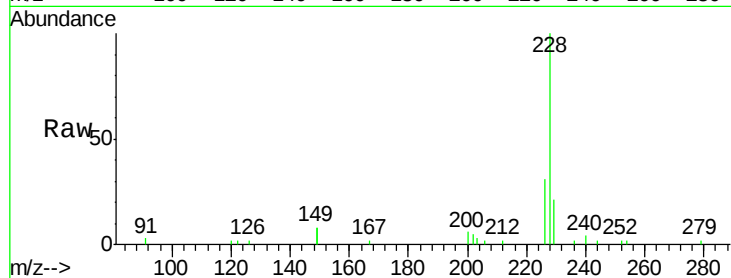
Tot Ion:228 Resp: 4052

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

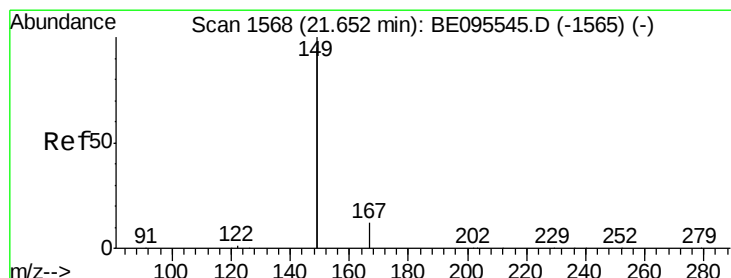
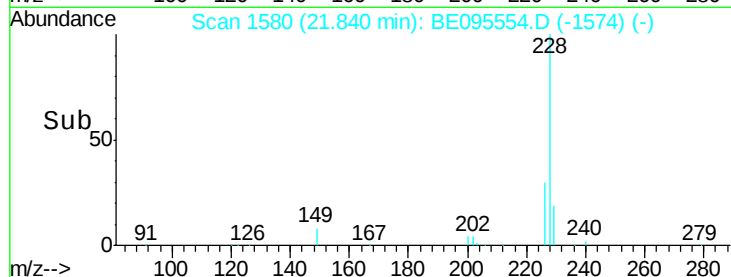
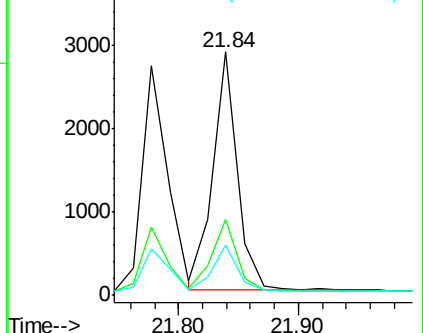
229 20.6 16.0 24.0



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: 0.158 ng

RT: 21.65 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

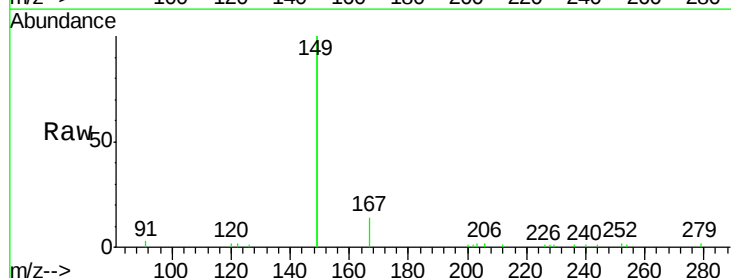
Tgt Ion:149 Resp: 7882

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

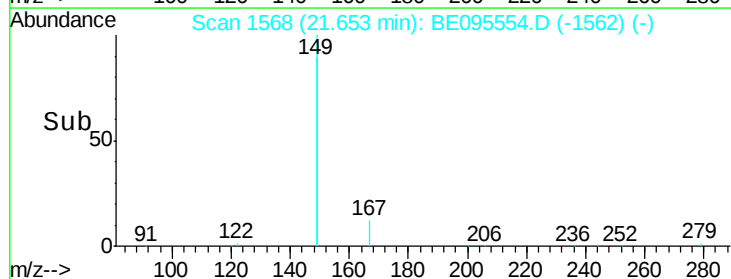
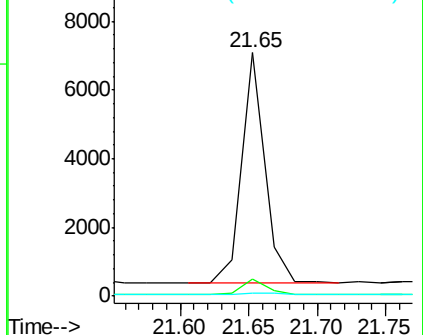
279 0.8 0.7 1.1

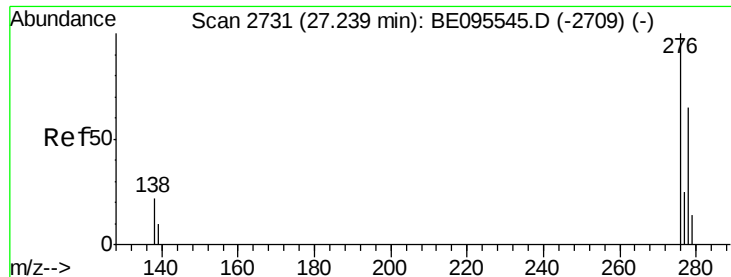


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.176 ng

RT: 27.24 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

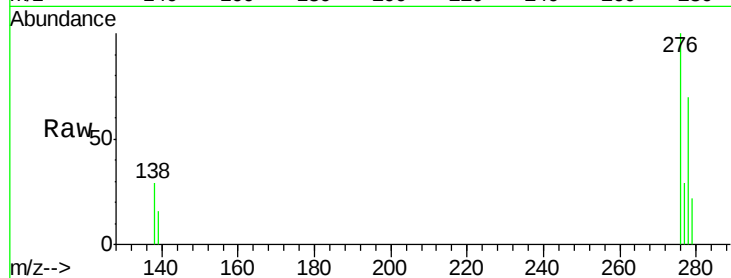
Tot Ion:276 Resp: 3637

Ion Ratio Lower Upper

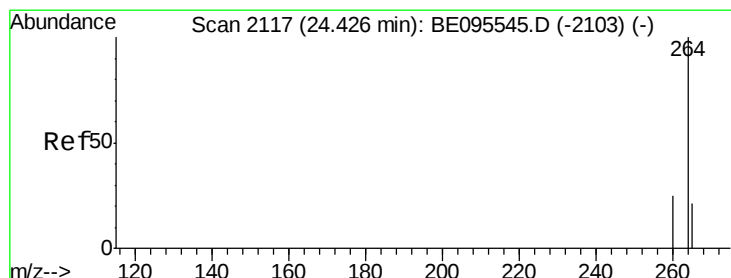
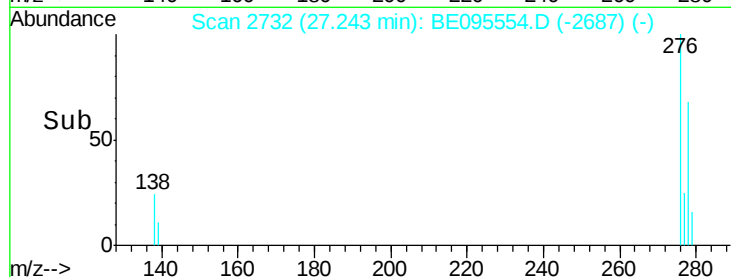
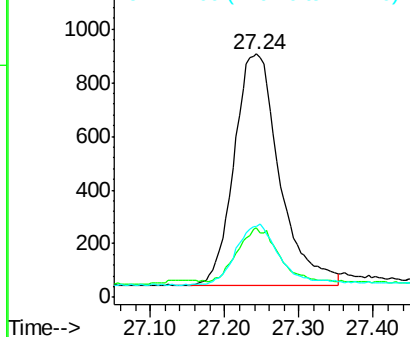
276 100

138 22.3 22.5 33.7#

277 25.5 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: 24.43 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

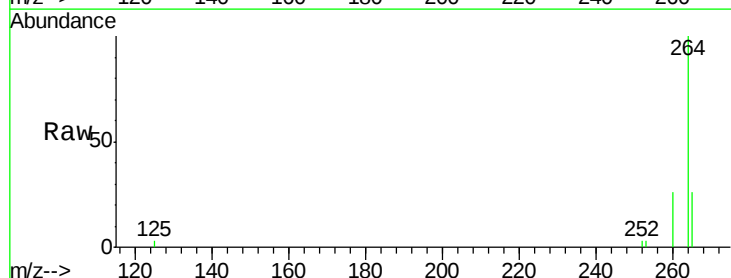
Tgt Ion:264 Resp: 5897

Ion Ratio Lower Upper

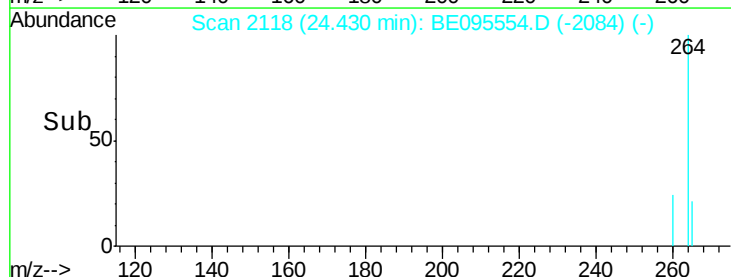
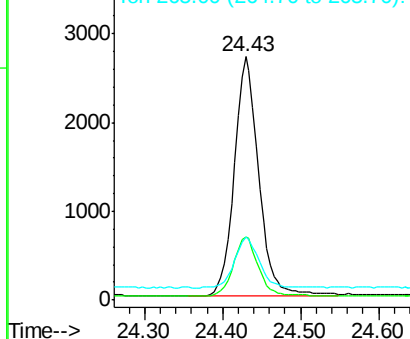
264 100

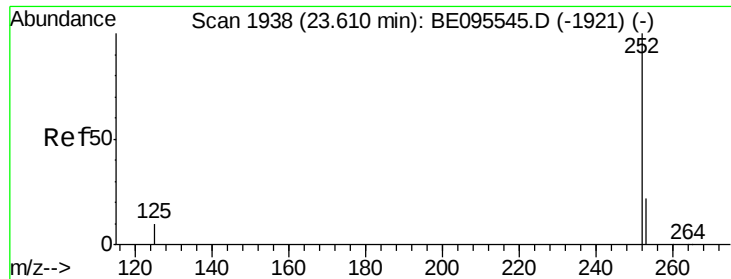
260 25.7 20.5 30.7

265 26.0 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: 0.192 ng

RT: 23.61 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

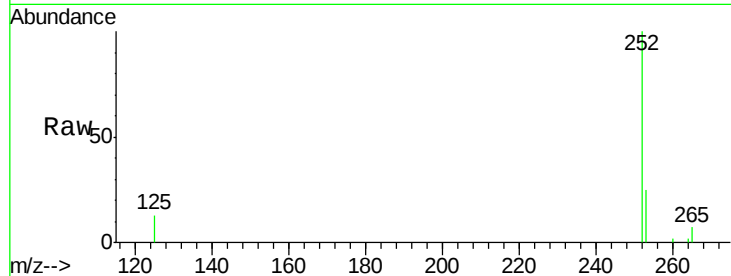
Tot Ion:252 Resp: 3862

Ion Ratio Lower Upper

252 100

253 25.2 20.0 30.0

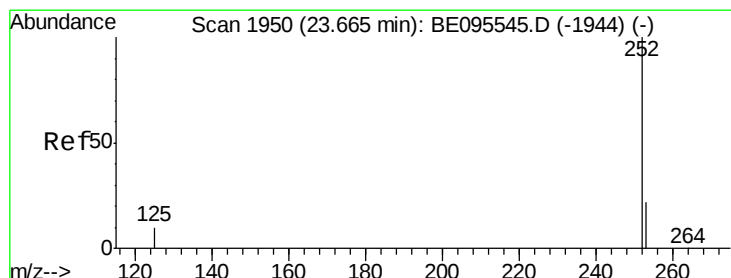
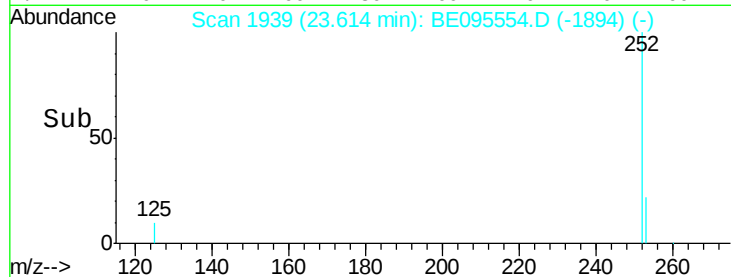
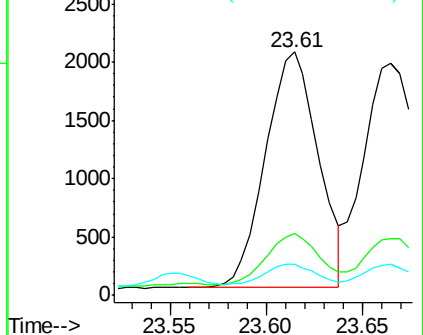
125 12.5 16.0 24.0#



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: 0.192 ng

RT: 23.66 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

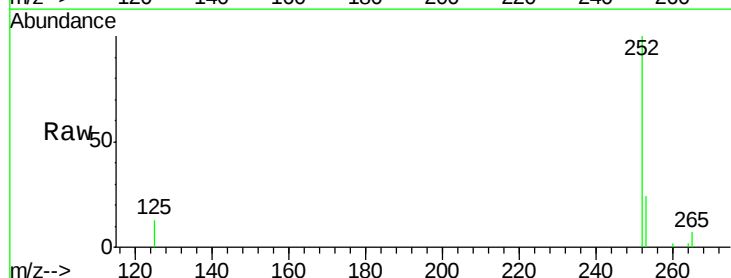
Tgt Ion:252 Resp: 3970

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0#

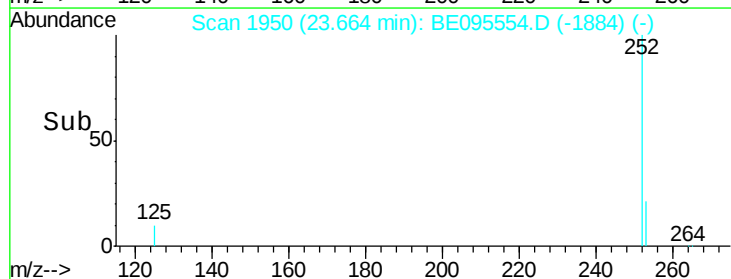
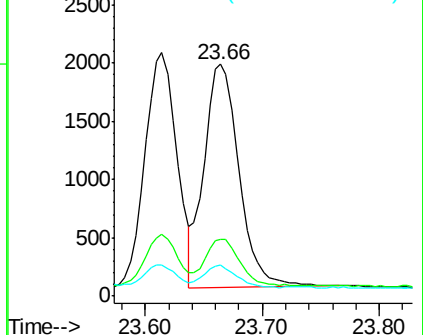
125 13.4 8.0 12.0#

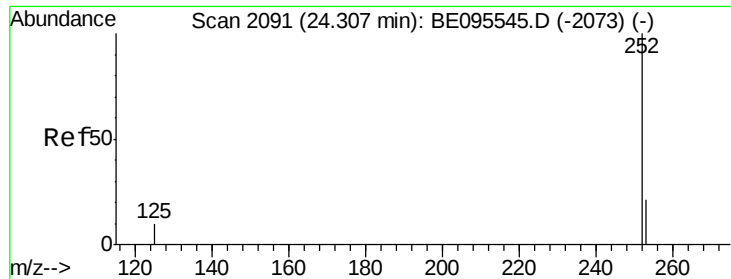


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.194 ng

RT: 24.31 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018

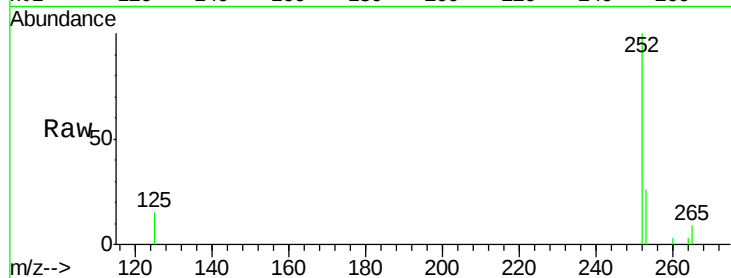
Tot Ion:252 Resp: 3625

Ion Ratio Lower Upper

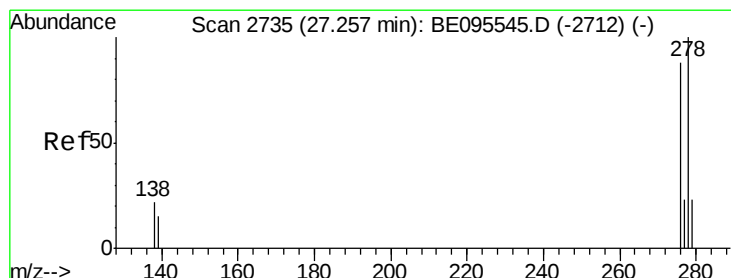
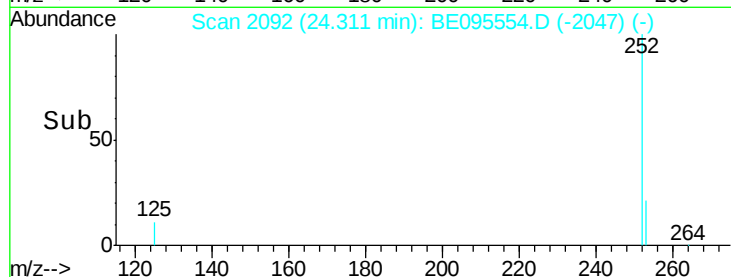
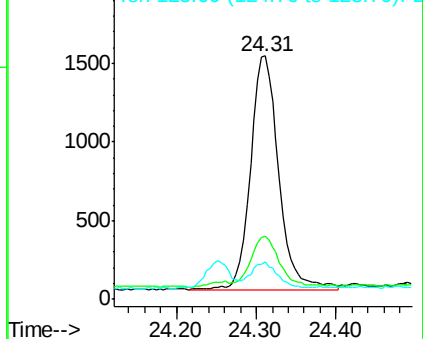
252 100

253 25.9 16.0 24.0#

125 15.3 12.0 18.0



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: 0.173 ng

RT: 27.26 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BE095554.D

Acq: 7 Feb 2018 15:53

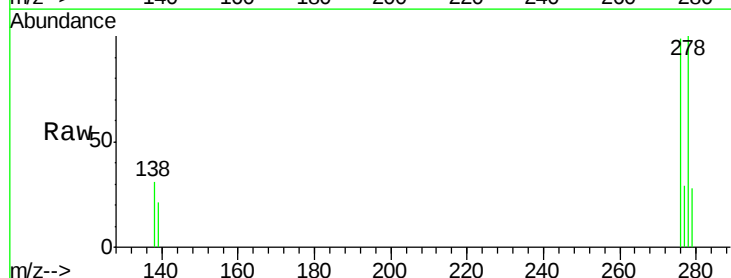
Tgt Ion:278 Resp: 2826

Ion Ratio Lower Upper

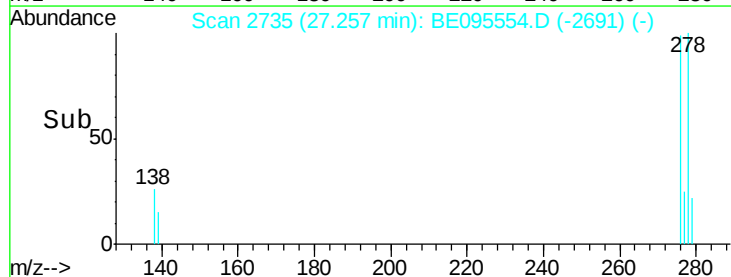
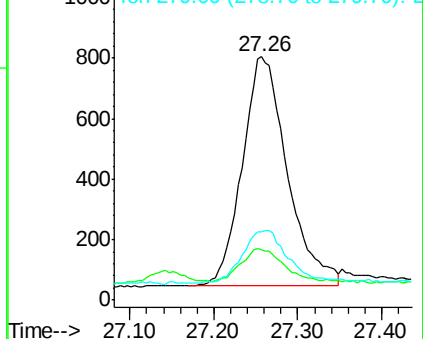
278 100

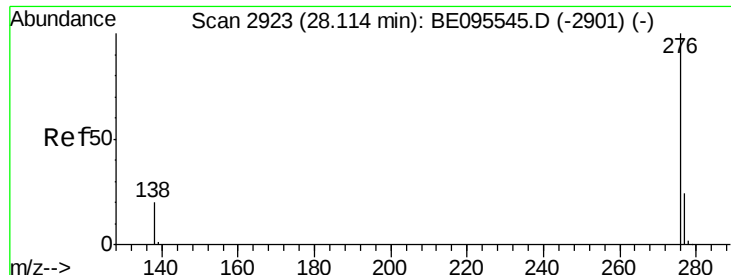
139 20.6 16.0 24.0

279 28.1 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.184 ng

RT: 28.11 min Scan# 2923

Delta R.T. 0.00 min

Lab File: BE095554.D

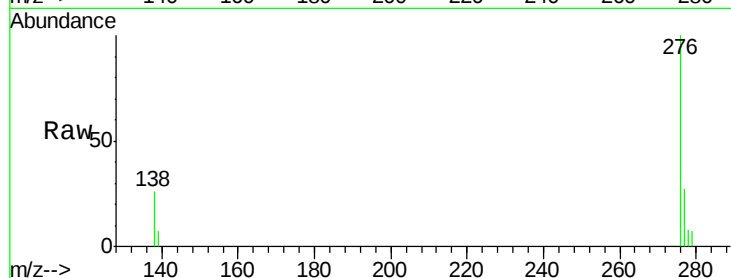
Acq: 7 Feb 2018 15:53

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2018



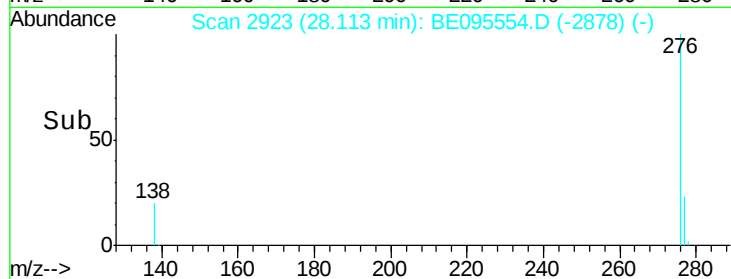
Tot Ion: 276 Resp: 3238

Ion Ratio Lower Upper

276 100

277 27.3 16.0 24.0#

138 25.5 20.0 30.0



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

