

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040219\
 Data File : BE099280.D
 Acq On : 2 Apr 2019 18:49
 Operator : JU/SJ
 Sample : K1560-02
 Misc : LOQ 0.2 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Quant Time: Apr 03 05:17:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3549	0.40	ng	-0.02
7) Naphthalene-d8	10.61	136	12543	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	8275	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	24579	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	35572	0.40	ng	-0.02
34) Perylene-d12	23.86	264	37593	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	3320	0.35	ng	-0.02
5) Phenol-d6	6.97	99	4476	0.35	ng	-0.02
8) Nitrobenzene-d5	8.98	82	3217	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	7709	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	1219	0.32	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	12500	0.38	ng	-0.01
25) Fluoranthene-d10	19.22	212	111631	0.34	ng	-0.02
29) Terphenyl-d14	19.82	244	25394	0.39	ng	-0.02

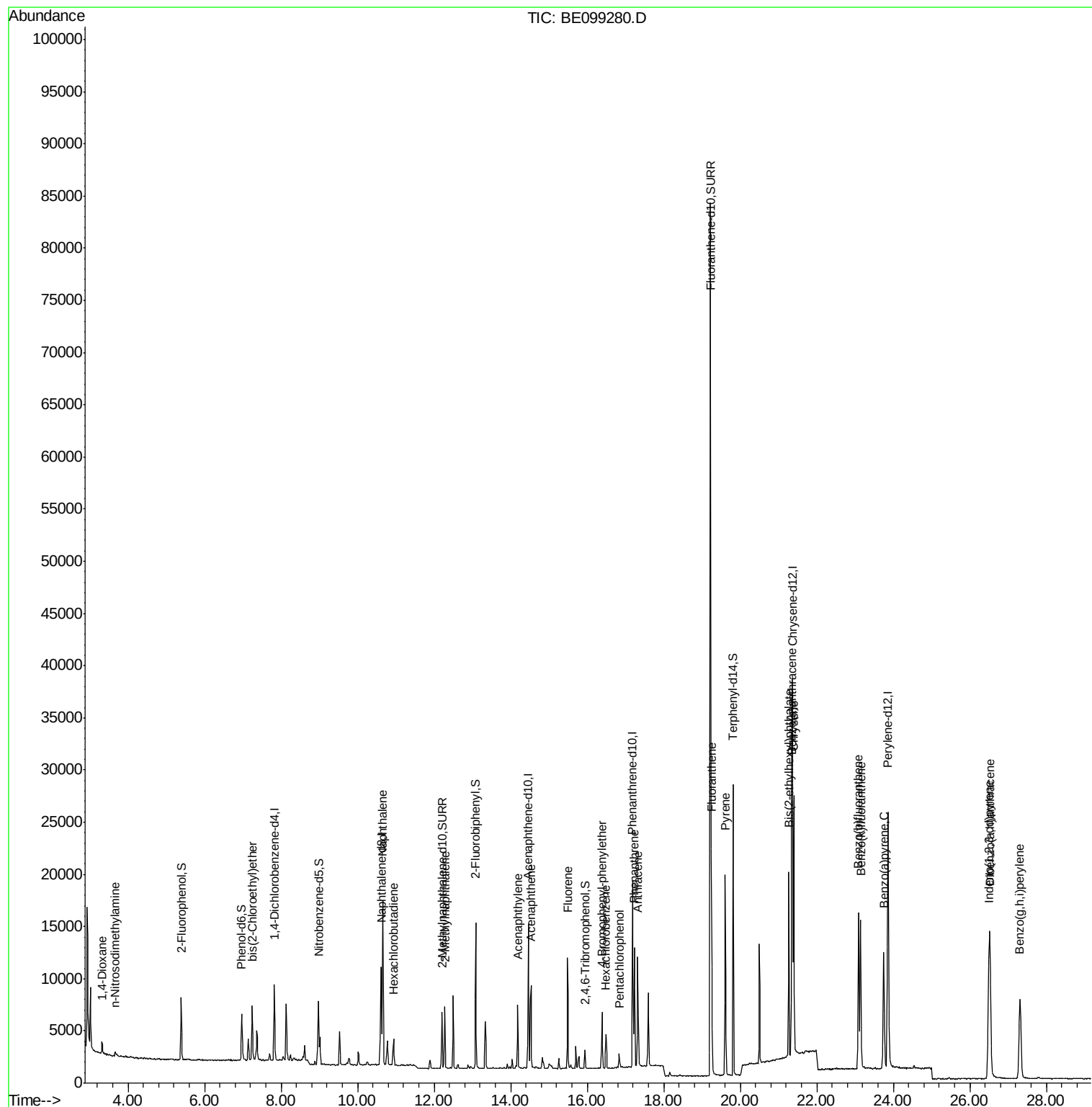
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.33	88	908	0.188	ng	# 79
3) n-Nitrosodimethylamine	3.66	42	428	0.150	ng	# 92
6) bis(2-Chloroethyl)ether	7.24	93	2156	0.185	ng	100
9) Naphthalene	10.65	128	26966	0.198	ng	99
10) Hexachlorobutadiene	10.94	225	1793	0.202	ng	98
12) 2-Methylnaphthalene	12.28	142	4564	0.197	ng	95
16) Acenaphthylene	14.18	152	6988	0.178	ng	98
17) Acenaphthene	14.53	154	4564	0.197	ng	99
18) Fluorene	15.49	166	6413	0.192	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	2634	0.189	ng	# 83
21) Hexachlorobenzene	16.49	284	2516	0.189	ng	98
22) Pentachlorophenol	16.84	266	761	0.138	ng	98
23) Phenanthrene	17.23	178	12580	0.198	ng	99
24) Anthracene	17.32	178	10993	0.183	ng	99
26) Fluoranthene	19.25	202	17932	0.191	ng	99
28) Pyrene	19.61	202	17977	0.191	ng	99
30) Benzo(a)anthracene	21.34	228	20668	0.185	ng	99
31) Chrysene	21.40	228	21386	0.195	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	19476	0.136	ng	100
33) Indeno(1,2,3-cd)pyrene	26.49	276	24396	0.194	ng	# 88
35) Benzo(b)fluoranthene	23.09	252	21271	0.190	ng	98
36) Benzo(k)fluoranthene	23.14	252	20416	0.187	ng	98
37) Benzo(a)pyrene	23.75	252	18899	0.179	ng	98
38) Dibenzo(a,h)anthracene	26.53	278	20093	0.192	ng	97
39) Benzo(g,h,i)perylene	27.31	276	20288	0.194	ng	98

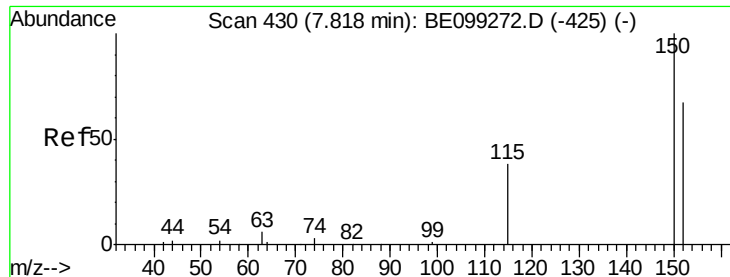
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 02 17:16:42 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

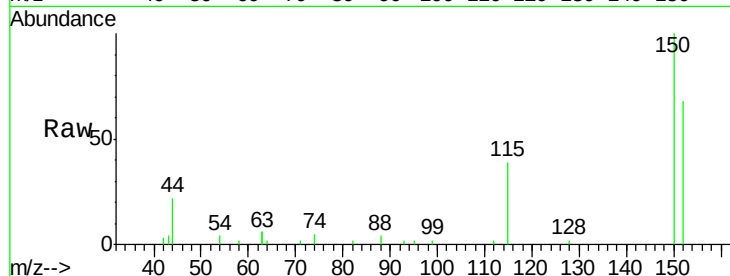
Tgt Ion:152 Resp: 3549

Ion Ratio Lower Upper

152 100

150 147.6 112.8 169.2

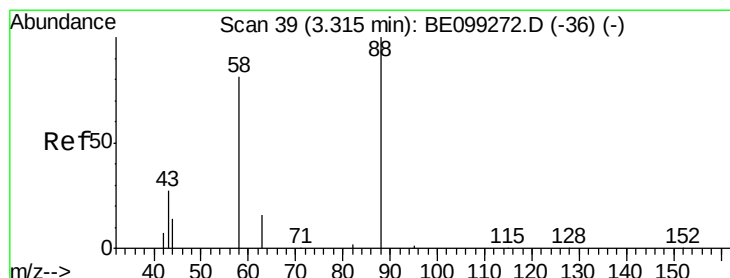
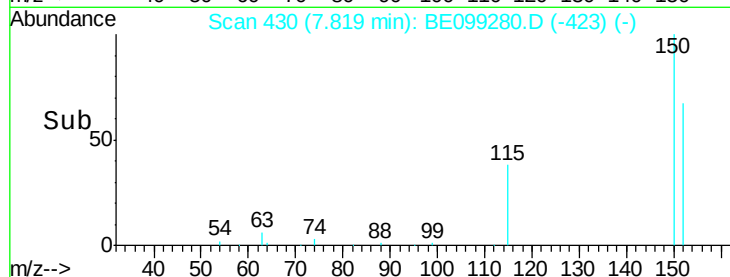
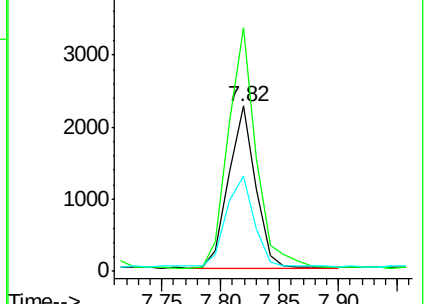
115 58.0 45.1 67.7



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: 0.188 ng

RT: 3.33 min Scan# 40

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

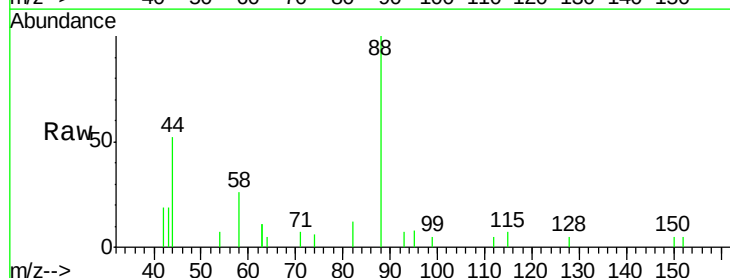
Tgt Ion: 88 Resp: 908

Ion Ratio Lower Upper

88 100

58 73.5 47.4 71.0#

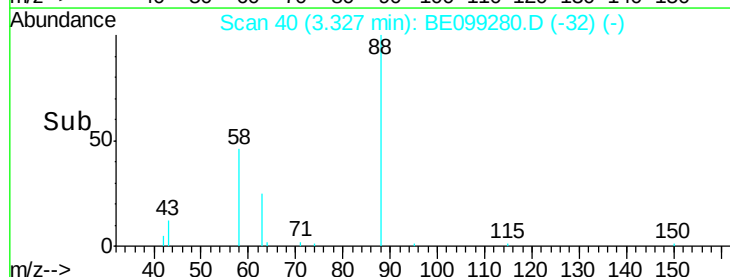
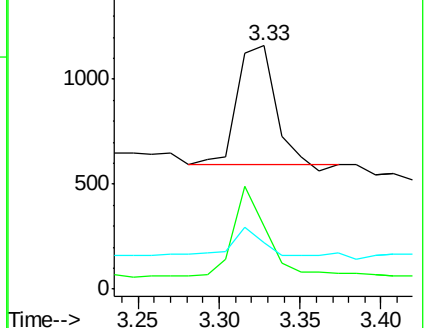
43 32.3 15.6 23.4#

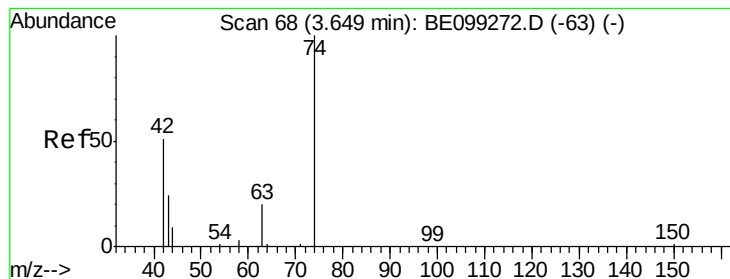


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.150 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099280.D

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Instrument :

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LOQ-SOIL-02-QT1-2019

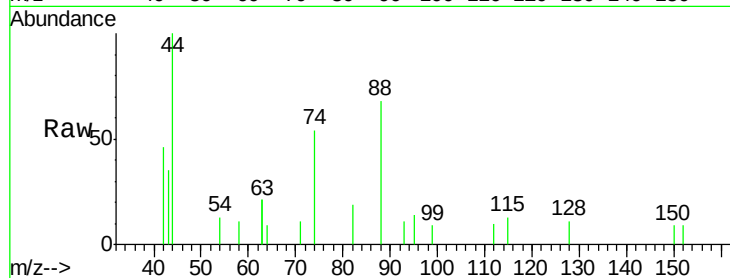
Tgt Ion: 42 Resp: 428

Ion Ratio Lower Upper

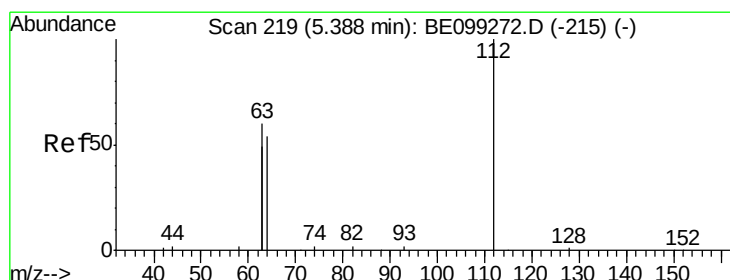
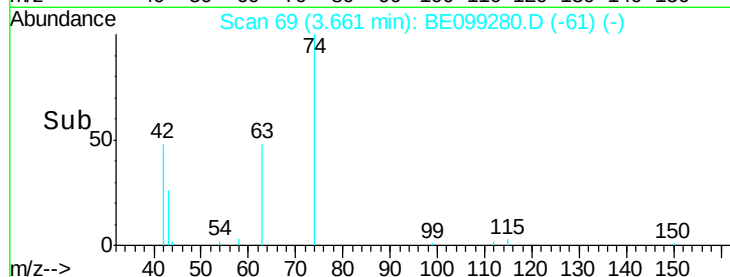
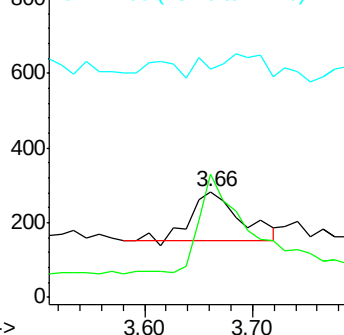
42 100

74 179.9 138.6 207.8

44 0.0 15.0 22.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.352 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

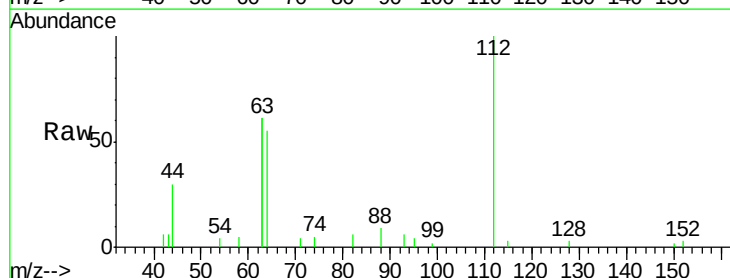
Tgt Ion: 112 Resp: 3320

Ion Ratio Lower Upper

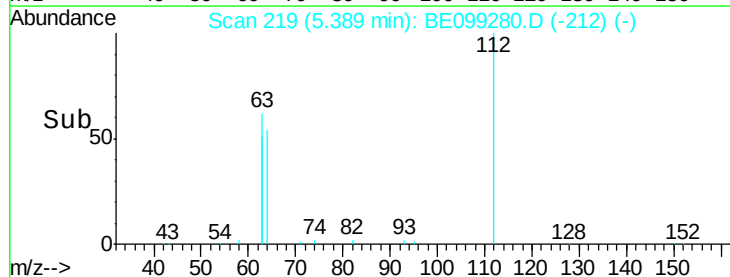
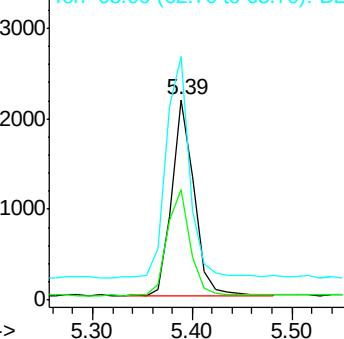
112 100

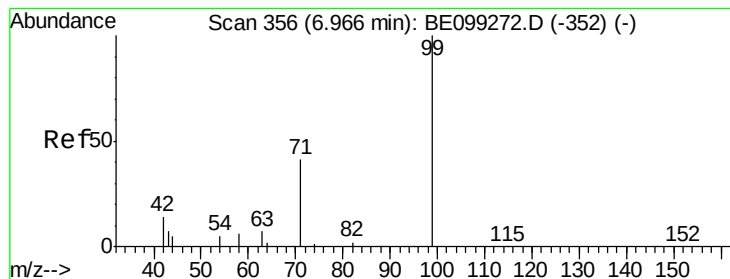
64 57.1 46.2 69.2

63 121.3 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

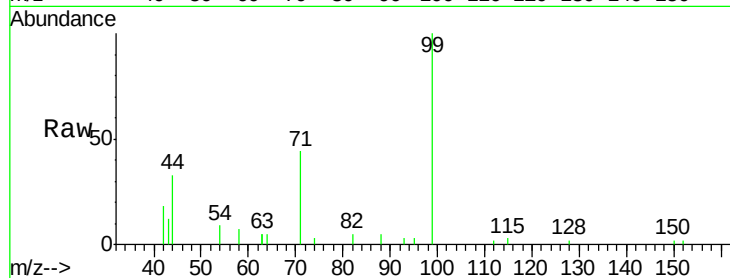
Tgt Ion: 99 Resp: 4476

Ion Ratio Lower Upper

99 100

42 13.9 12.4 18.6

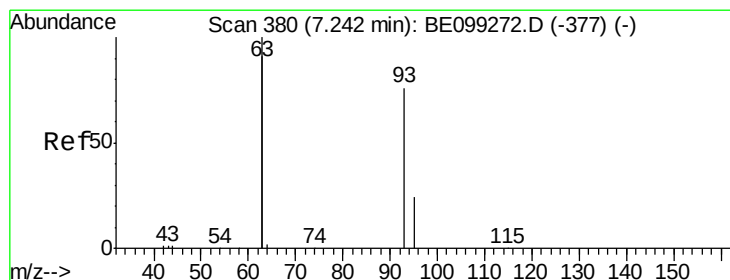
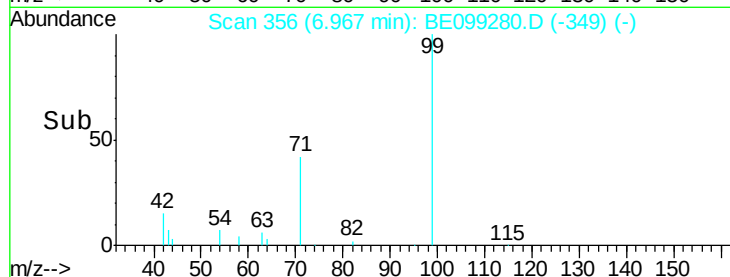
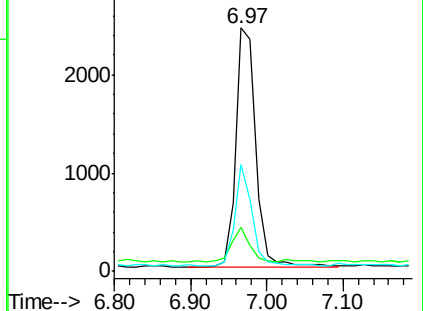
71 36.5 28.4 42.6



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: 0.185 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

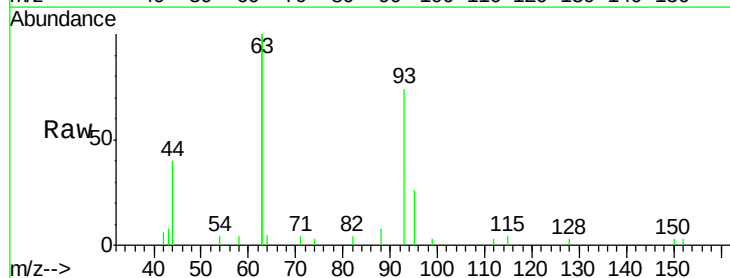
Tgt Ion: 93 Resp: 2156

Ion Ratio Lower Upper

93 100

63 276.9 221.4 332.0

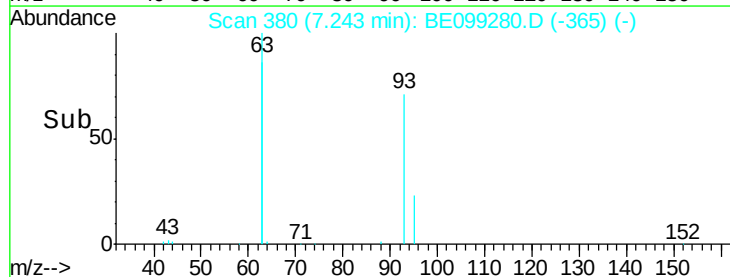
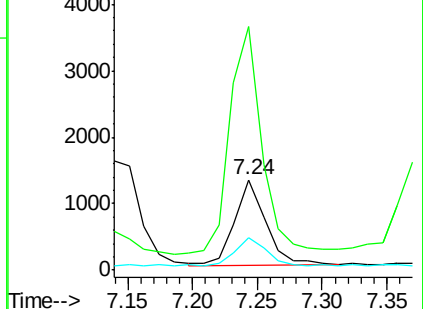
95 33.8 25.8 38.8

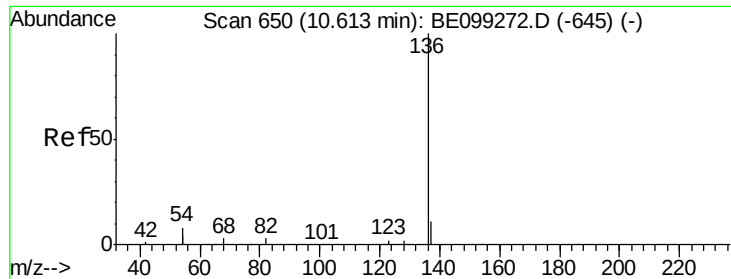


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:136 Resp: 12543

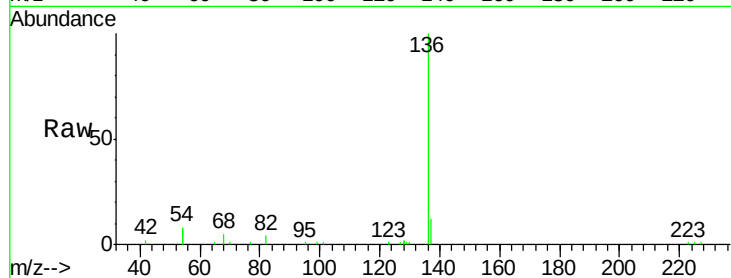
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 15.3 18.7 28.1#

68 4.7 5.2 7.8#

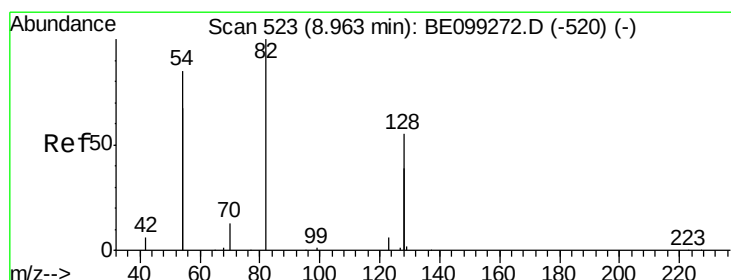
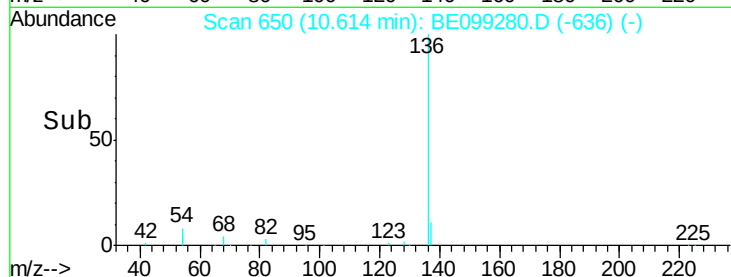
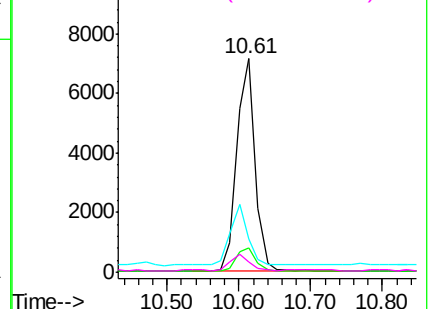


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.374 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

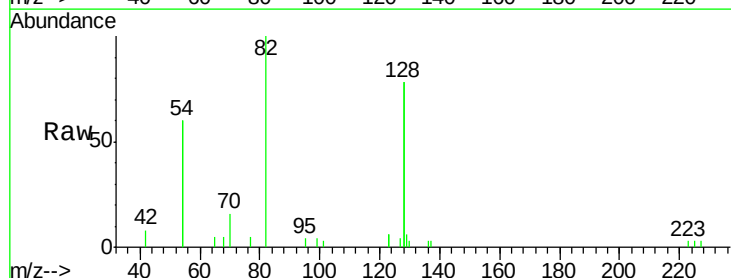
Tgt Ion: 82 Resp: 3217

Ion Ratio Lower Upper

82 100

128 155.2 107.5 161.3

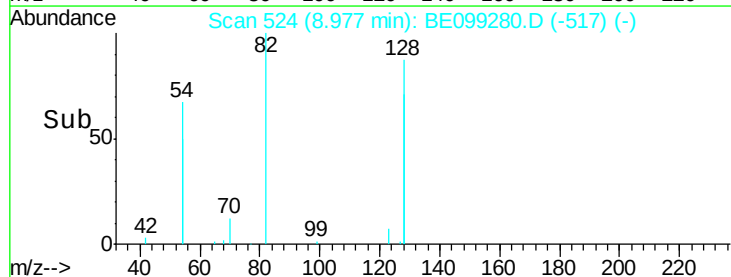
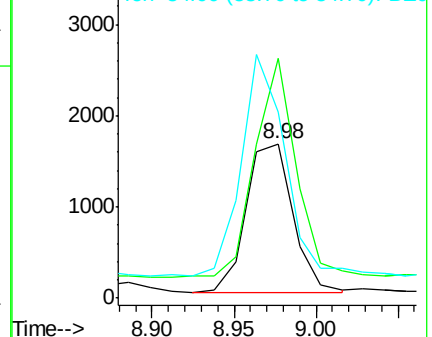
54 120.6 106.3 159.5

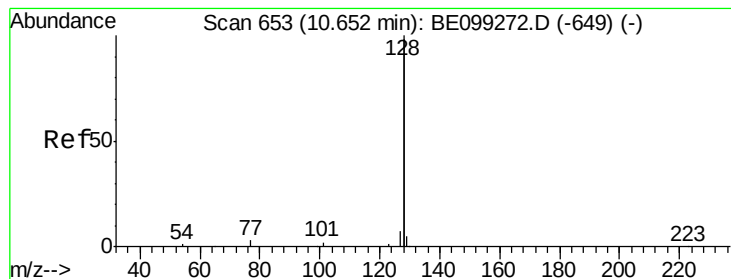


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.198 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099280.D

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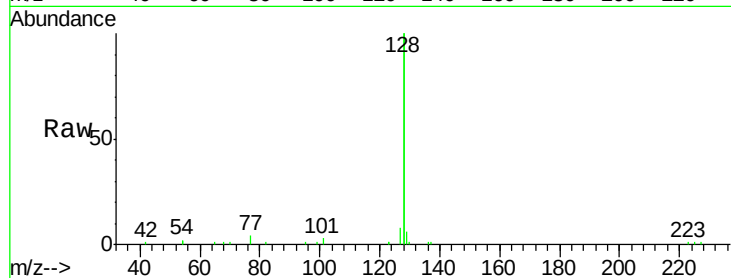
Tgt Ion:128 Resp: 26966

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

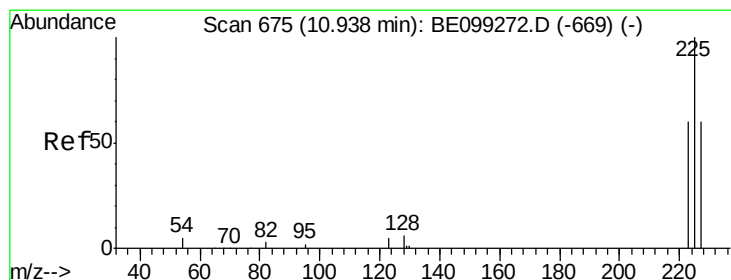
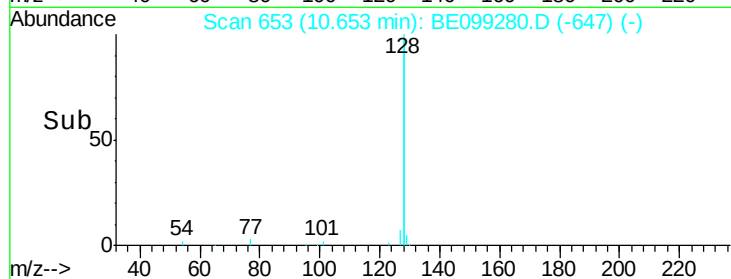
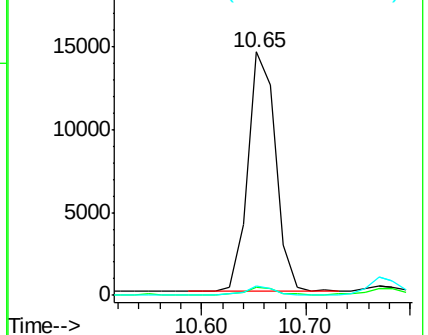
127 3.8 2.6 3.8



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: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

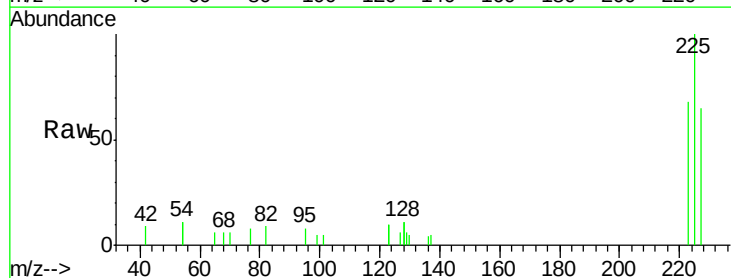
Tgt Ion:225 Resp: 1793

Ion Ratio Lower Upper

225 100

223 65.3 51.3 76.9

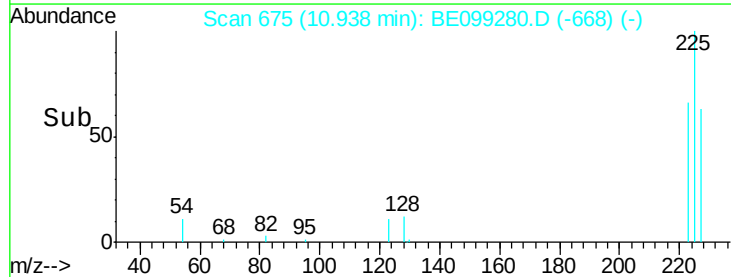
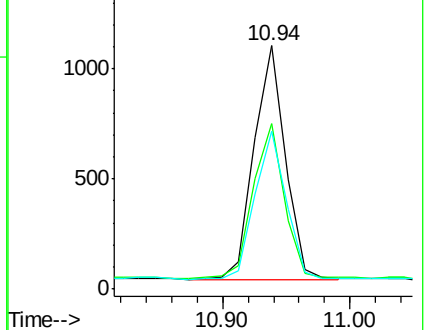
227 63.4 48.6 73.0

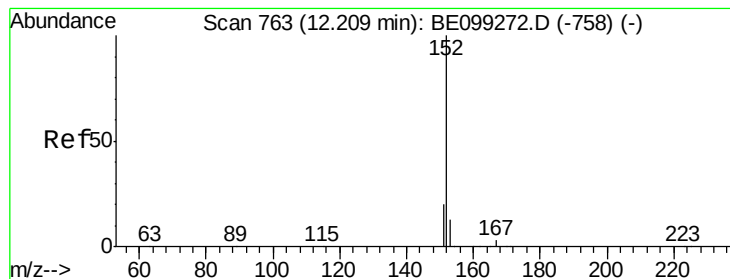


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.352 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

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ClientSampleId :

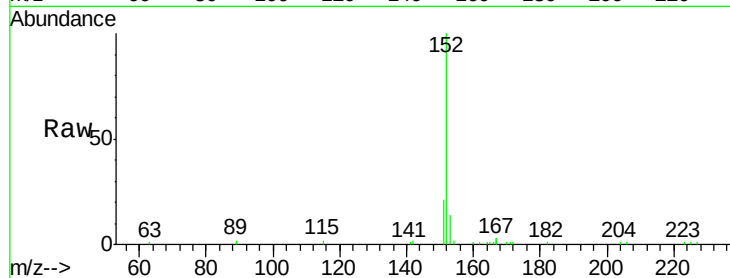
LOQ-SOIL-02-QT1-2019

Tgt Ion:152 Resp: 7709

Ion Ratio Lower Upper

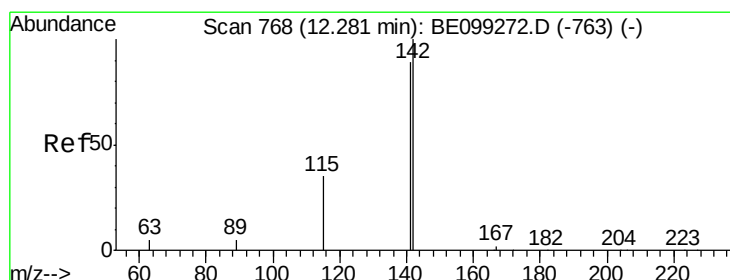
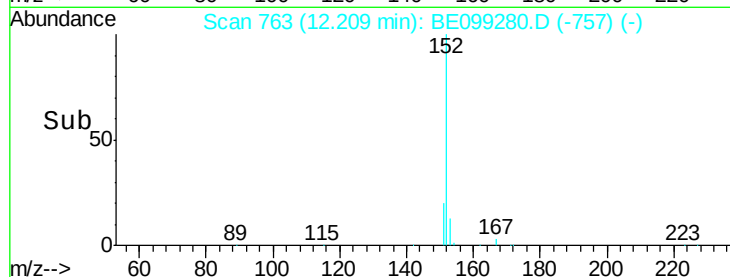
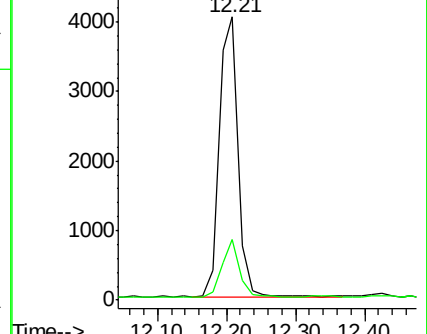
152 100

151 18.8 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.197 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

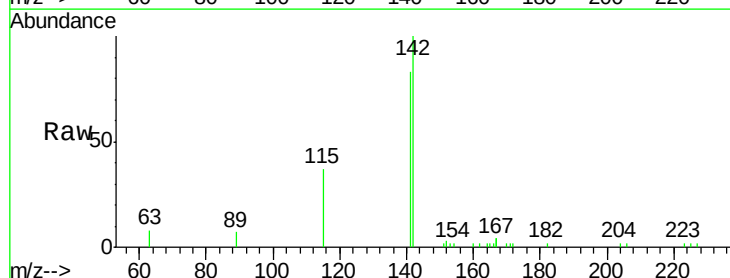
Tgt Ion:142 Resp: 4564

Ion Ratio Lower Upper

142 100

141 82.6 71.3 106.9

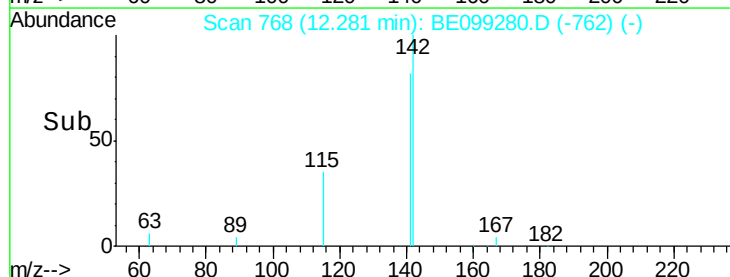
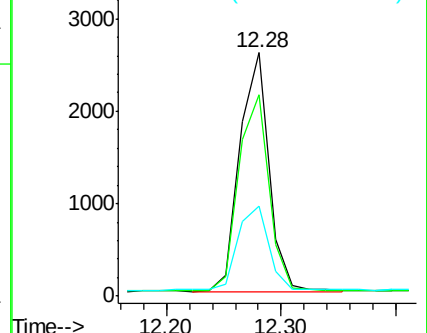
115 37.1 30.4 45.6

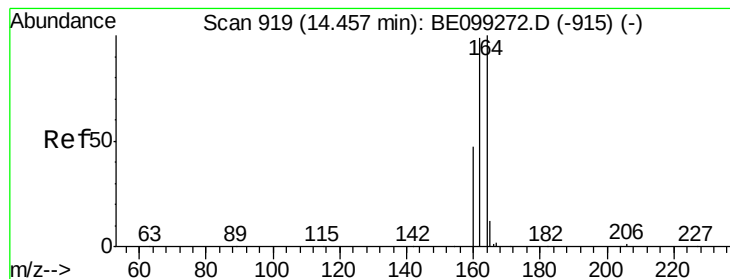


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.46 min Scan# 919

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

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LOQ-SOIL-02-QT1-2019

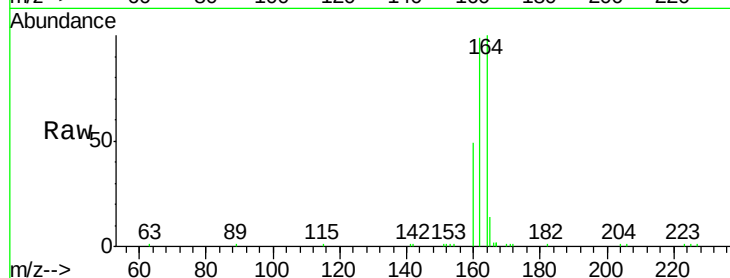
Tgt Ion:164 Resp: 8275

Ion Ratio Lower Upper

164 100

162 99.2 79.2 118.8

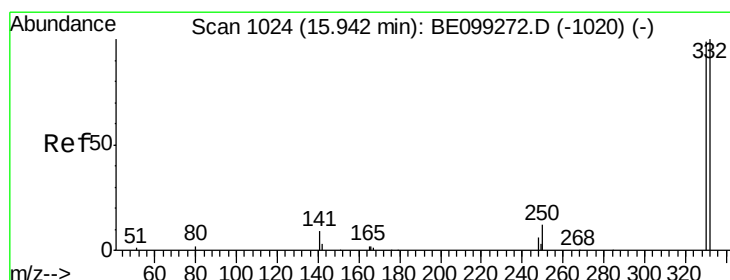
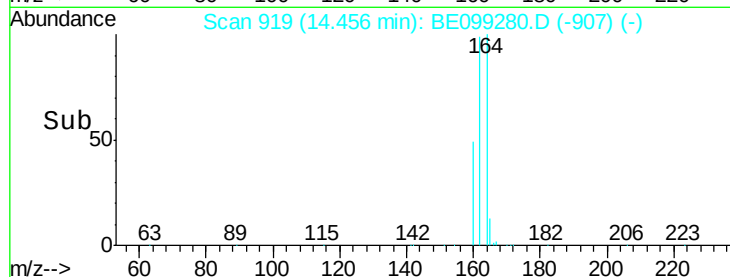
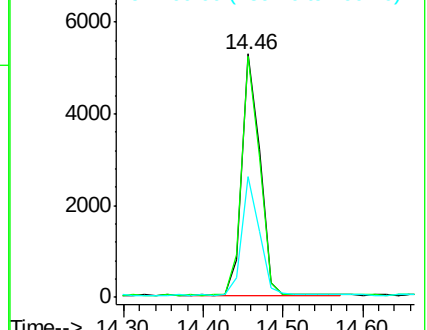
160 49.4 36.7 55.1



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: 0.320 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

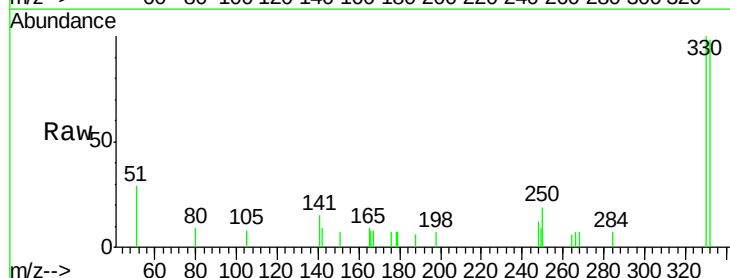
Tgt Ion:330 Resp: 1219

Ion Ratio Lower Upper

330 100

332 97.5 71.3 106.9

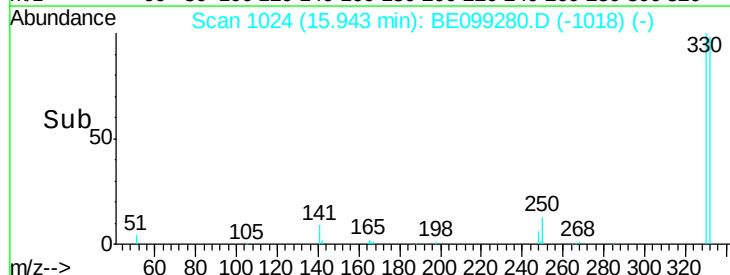
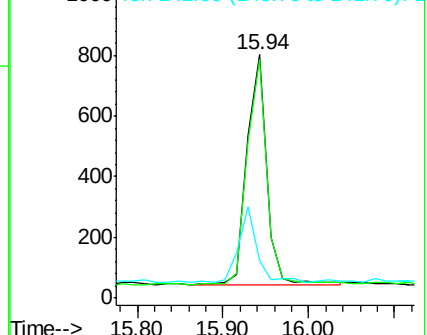
141 32.2 21.7 32.5

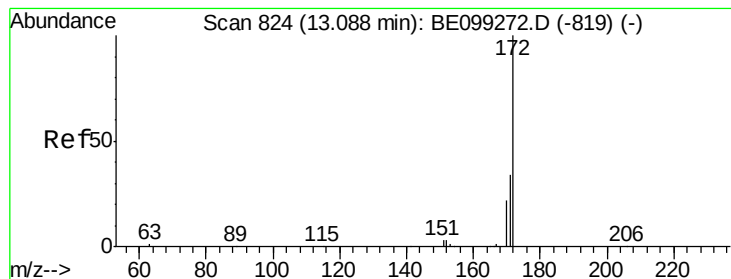


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.384 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

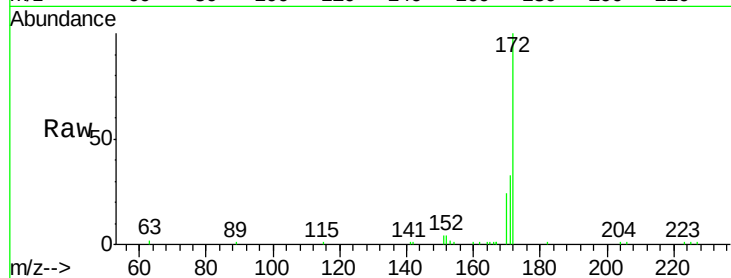
Tgt Ion:172 Resp: 12500

Ion Ratio Lower Upper

172 100

171 33.4 27.4 41.0

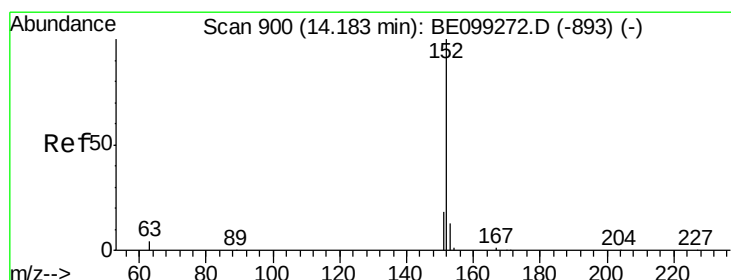
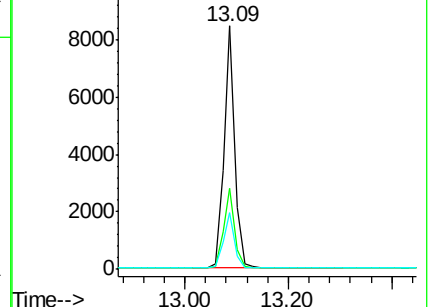
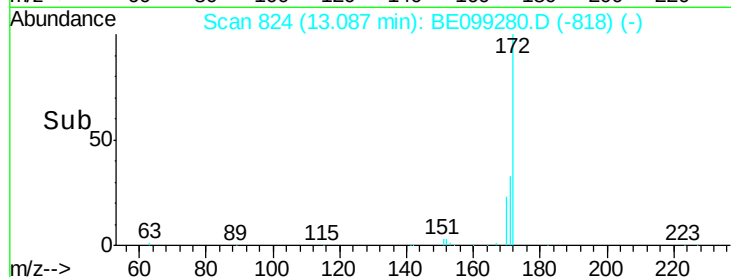
170 23.5 19.1 28.7



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: 0.178 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

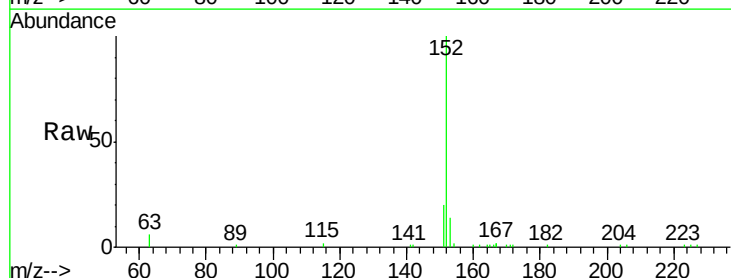
Tgt Ion:152 Resp: 6988

Ion Ratio Lower Upper

152 100

151 20.7 15.7 23.5

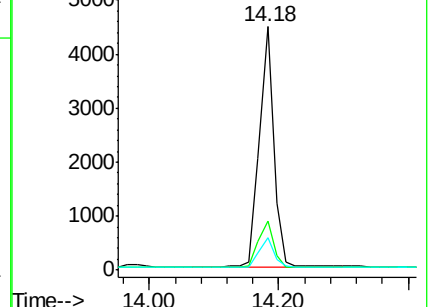
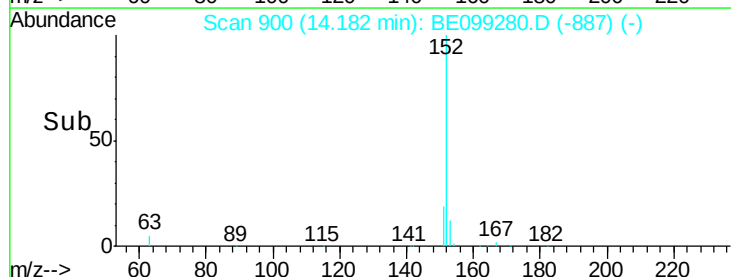
153 13.1 10.6 15.8

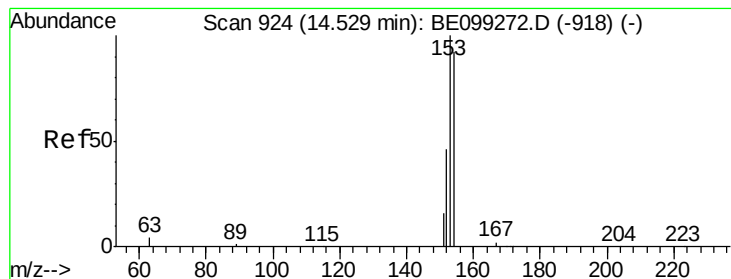


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.197 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

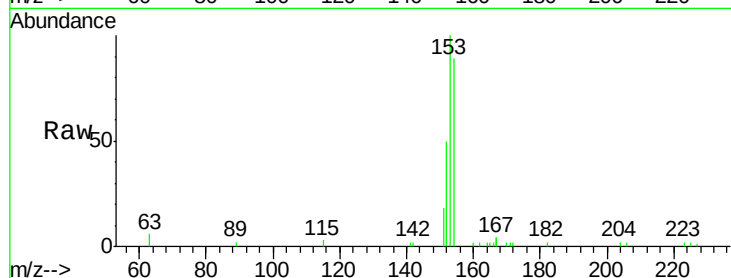
Tgt Ion:154 Resp: 4564

Ion Ratio Lower Upper

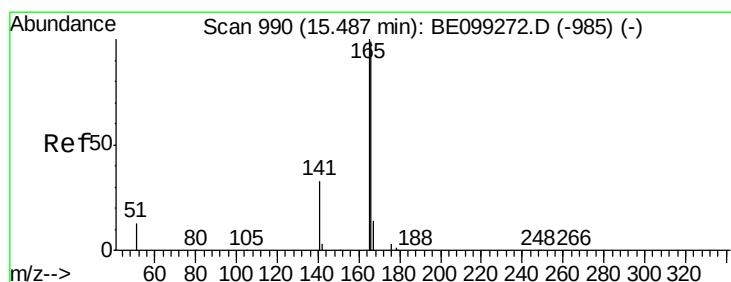
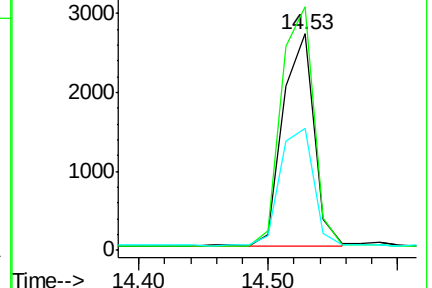
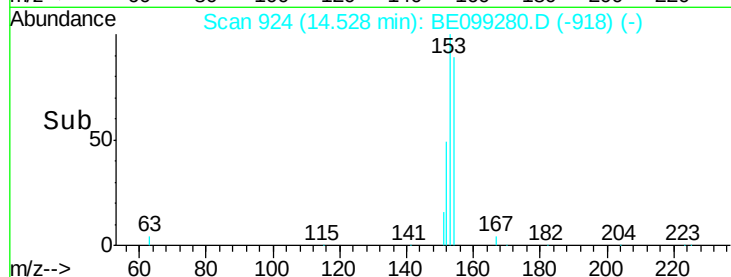
154 100

153 116.8 93.4 140.0

152 59.7 46.6 69.8



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: 0.192 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

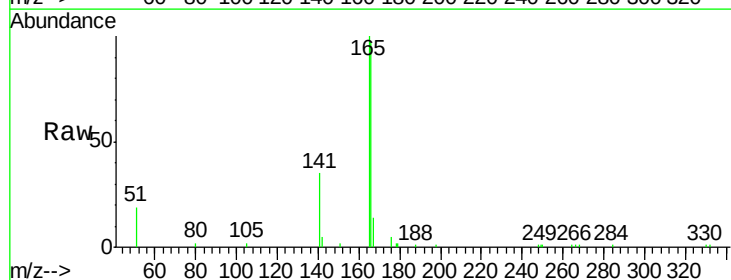
Tgt Ion:166 Resp: 6413

Ion Ratio Lower Upper

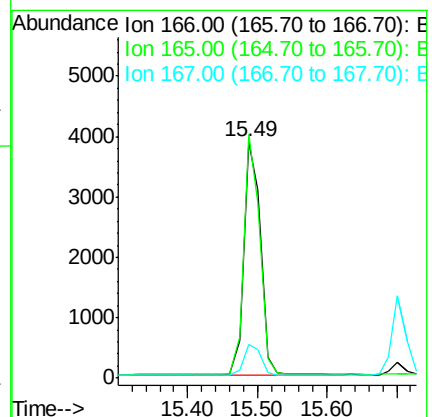
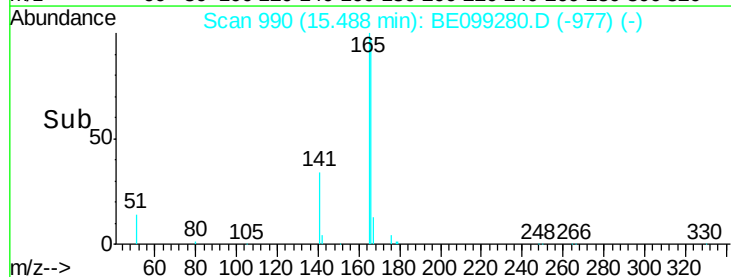
166 100

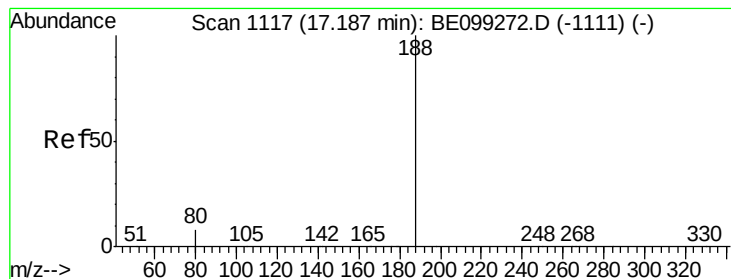
165 97.9 78.9 118.3

167 13.9 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

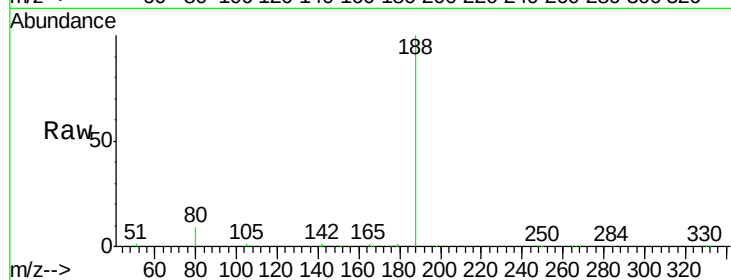
Tgt Ion:188 Resp: 24579

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

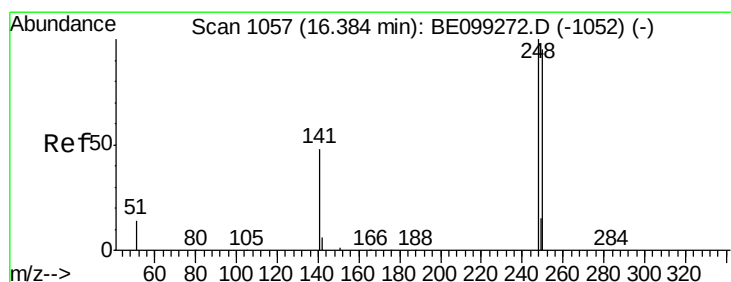
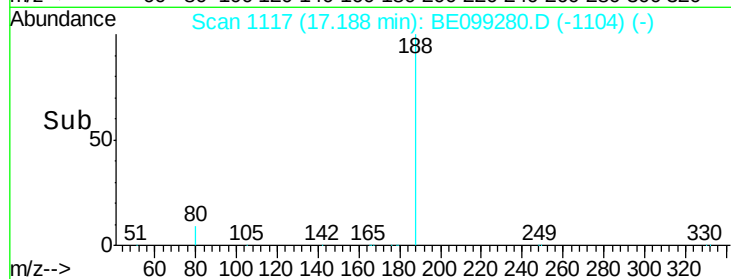
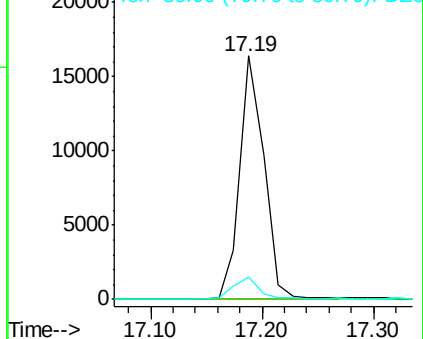
80 9.3 4.5 6.7#



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: 0.189 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

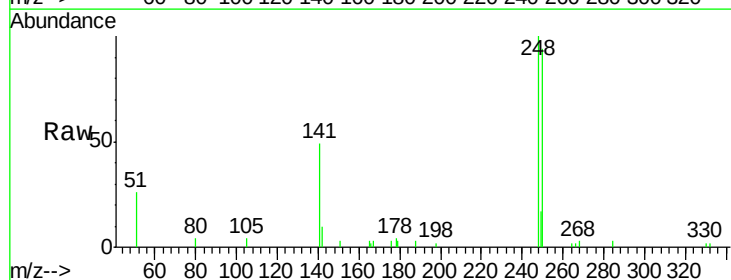
Tgt Ion:248 Resp: 2634

Ion Ratio Lower Upper

248 100

250 94.1 84.2 126.2

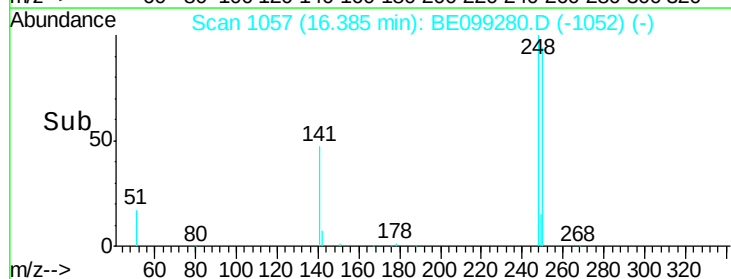
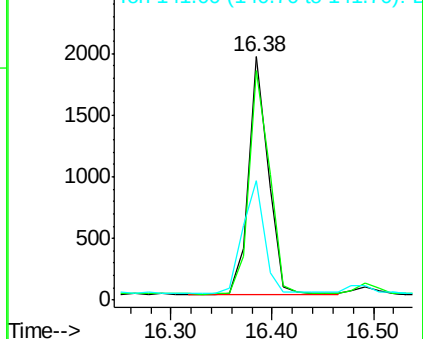
141 49.3 21.8 32.6#

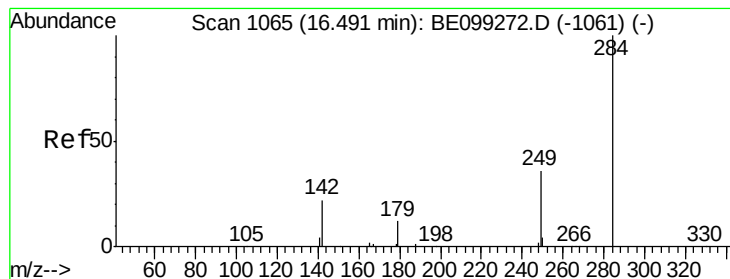


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.189 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

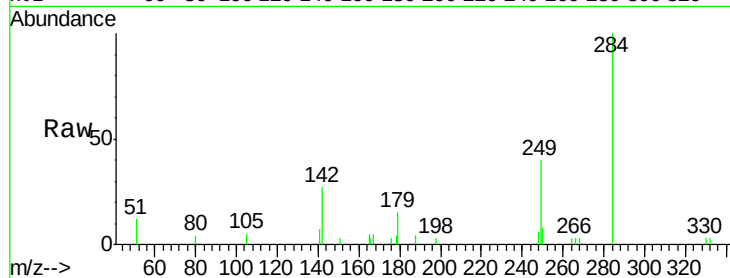
Tgt Ion:284 Resp: 2516

Ion Ratio Lower Upper

284 100

142 27.6 22.7 34.1

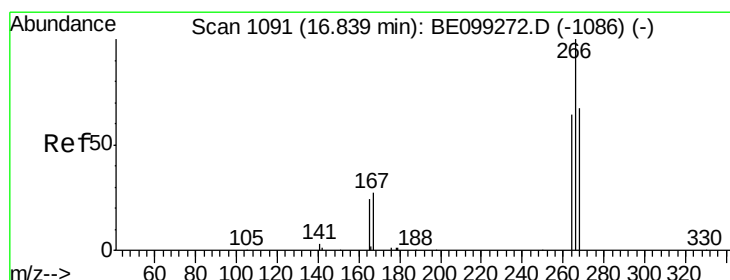
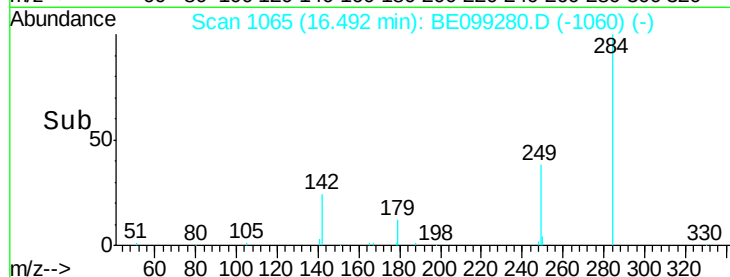
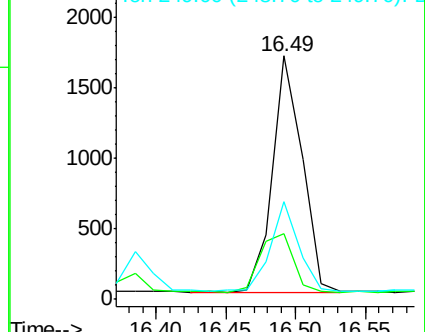
249 35.2 26.9 40.3



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: 0.138 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

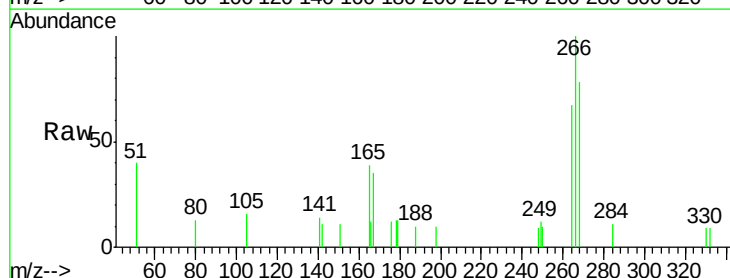
Tgt Ion:266 Resp: 761

Ion Ratio Lower Upper

266 100

264 66.7 54.4 81.6

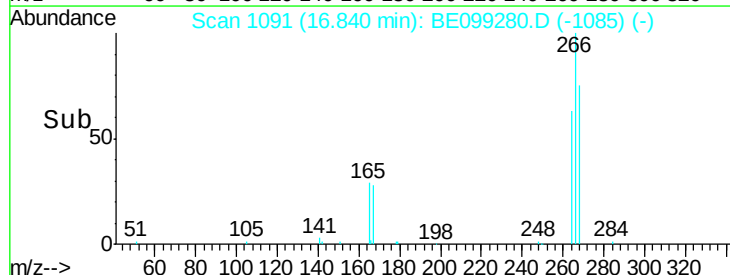
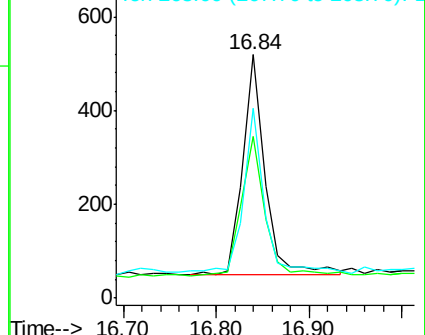
268 77.8 61.3 91.9

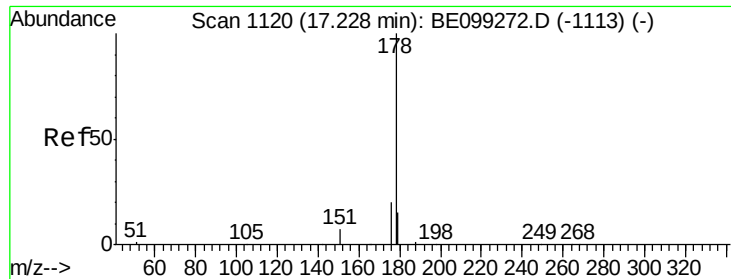


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.198 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

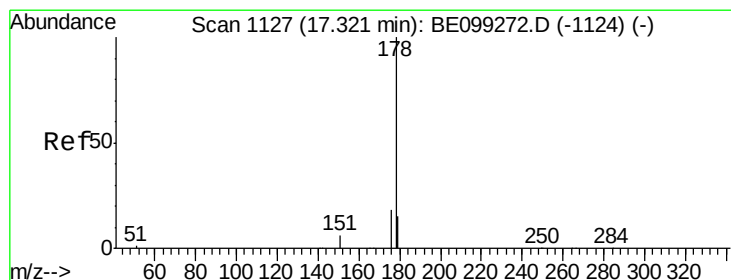
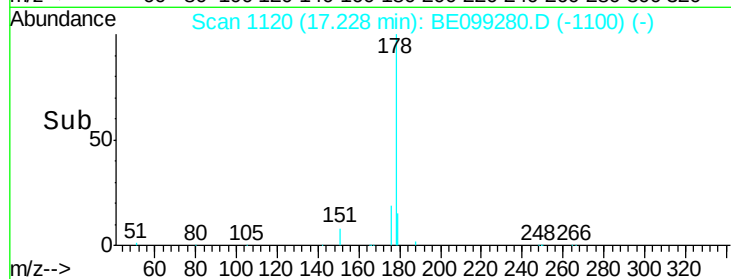
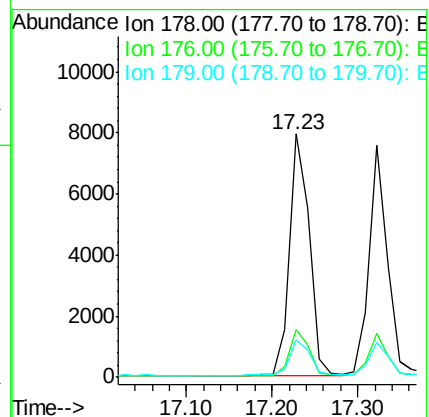
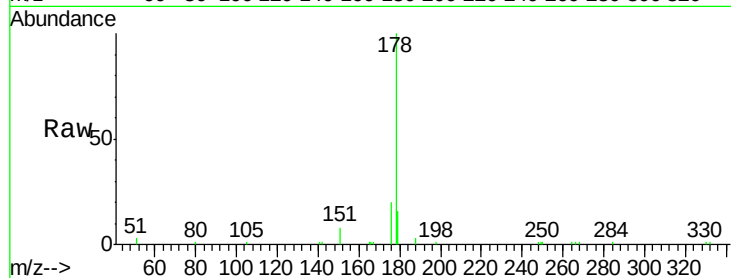
Tgt Ion:178 Resp: 12580

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.3 12.3 18.5



#24

Anthracene

Concen: 0.183 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

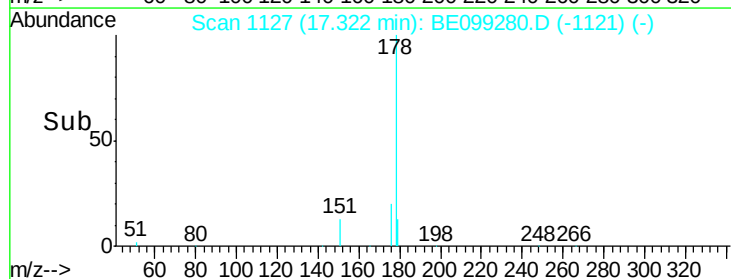
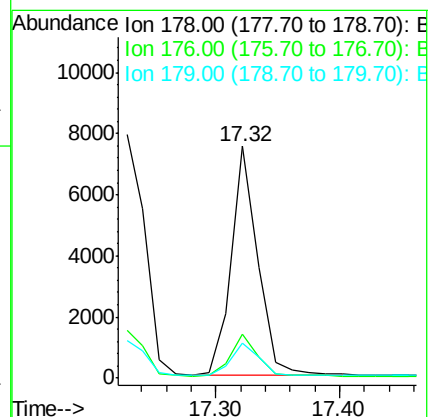
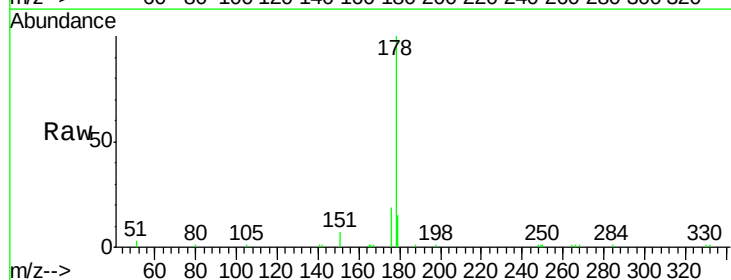
Tgt Ion:178 Resp: 10993

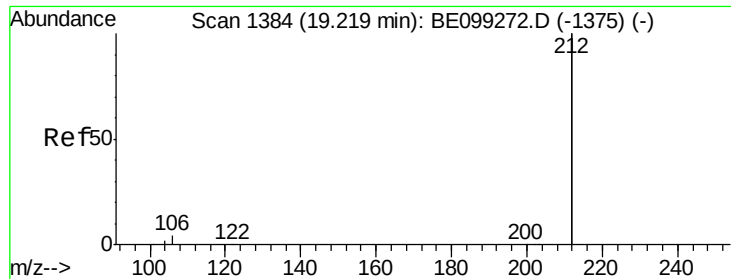
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.6 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

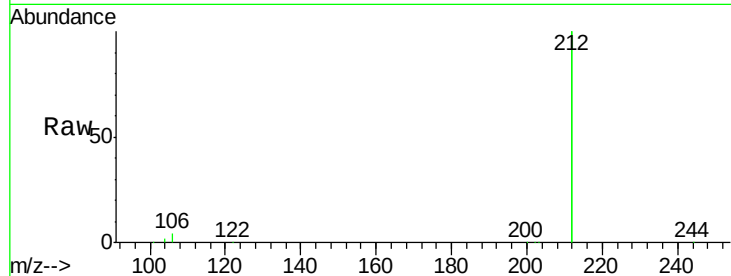
Tgt Ion:212 Resp: 111631

Ion Ratio Lower Upper

212 100

106 2.1 1.8 2.8

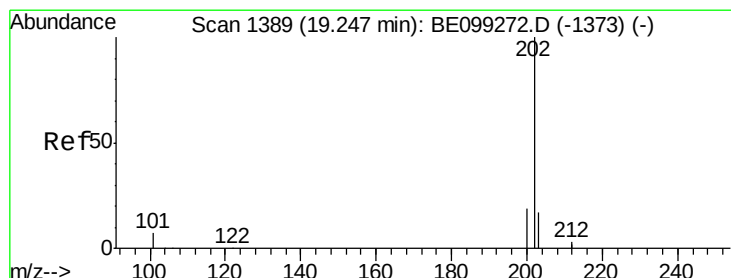
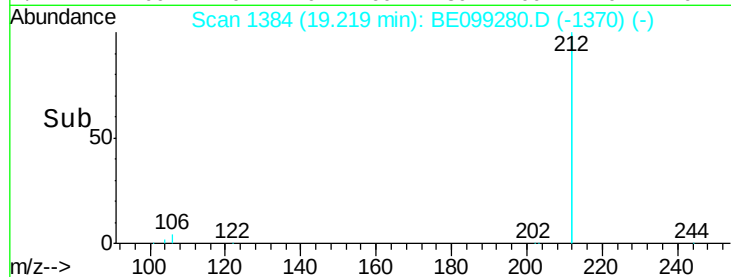
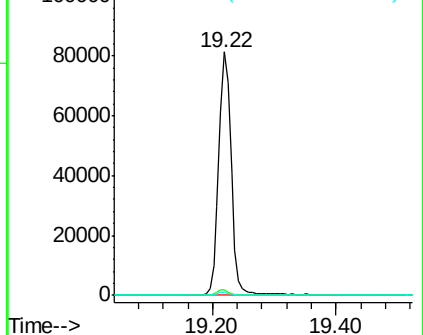
104 1.2 1.1 1.7



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: 0.191 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

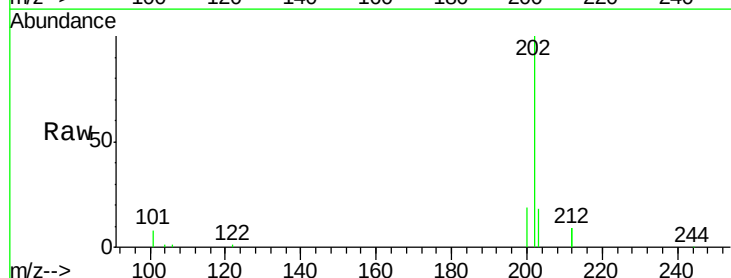
Tgt Ion:202 Resp: 17932

Ion Ratio Lower Upper

202 100

101 7.6 7.0 10.4

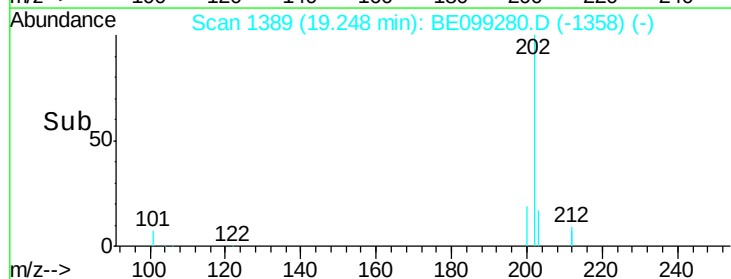
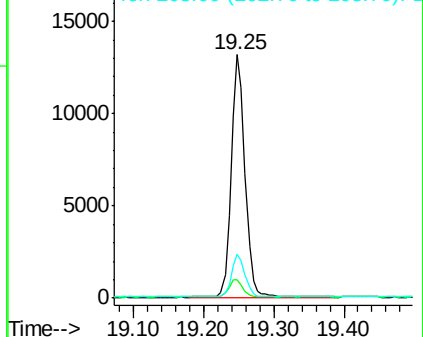
203 17.1 13.8 20.6

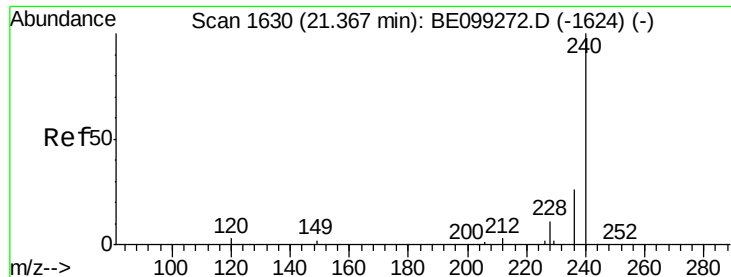


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

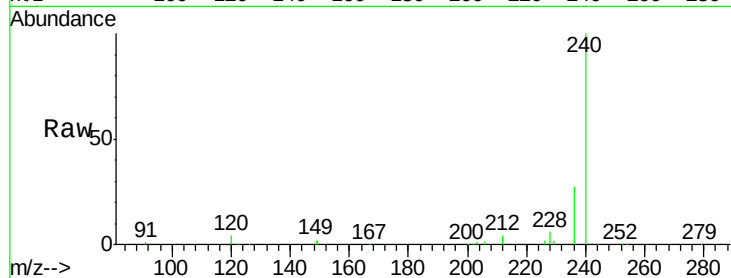
Tgt Ion:240 Resp: 35572

Ion Ratio Lower Upper

240 100

120 3.7 2.6 3.8

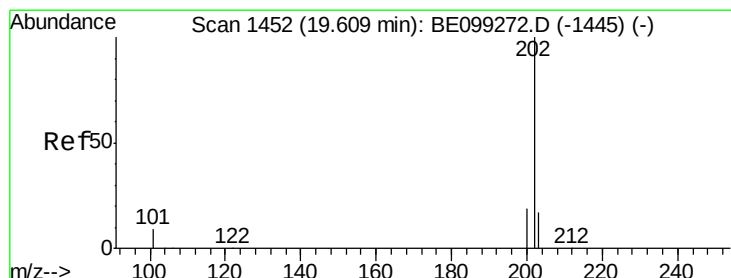
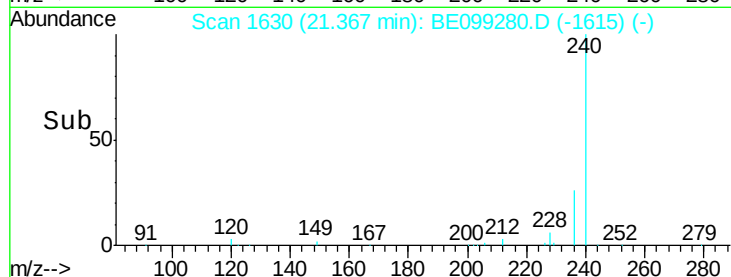
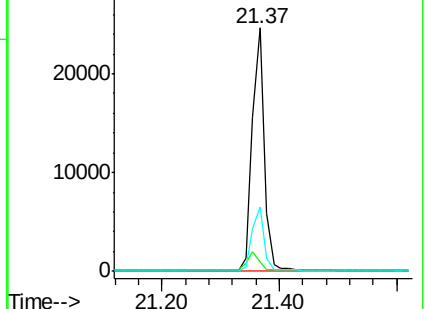
236 26.5 20.9 31.3



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: 0.191 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

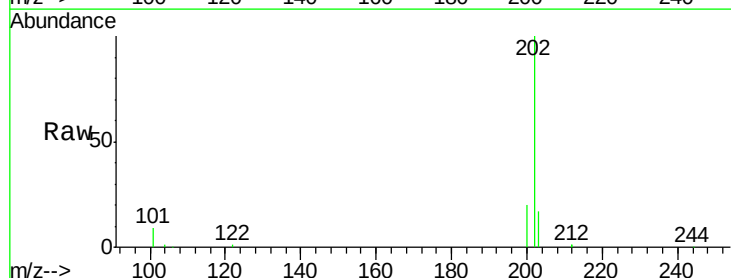
Tgt Ion:202 Resp: 17977

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

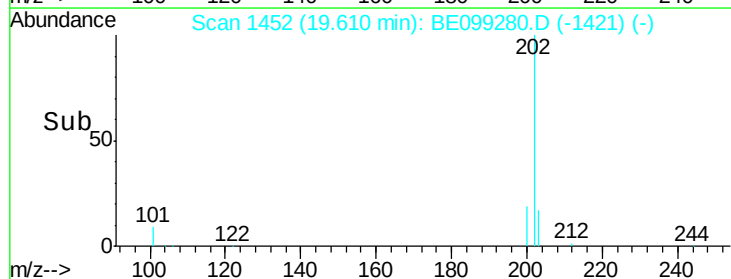
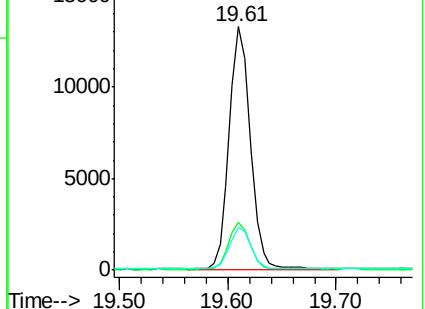
203 17.2 14.1 21.1

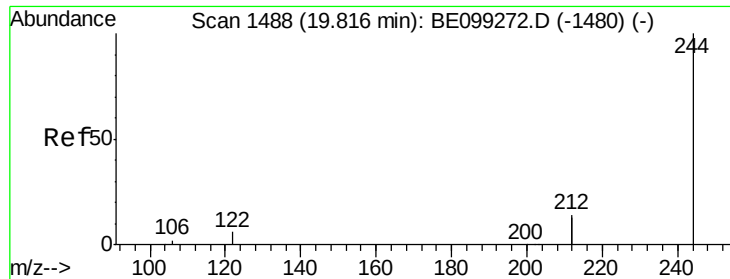


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.391 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

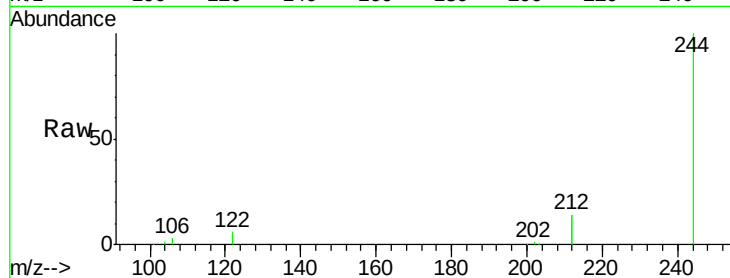
Tgt Ion:244 Resp: 25394

Ion Ratio Lower Upper

244 100

212 28.6 22.7 34.1

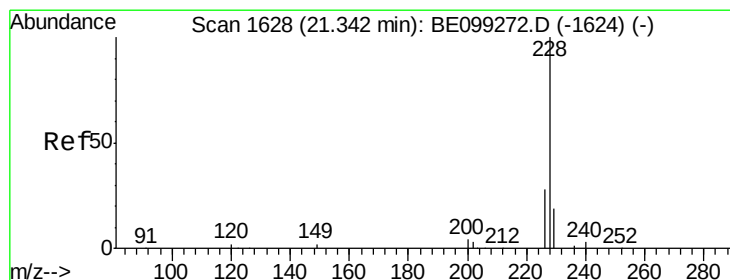
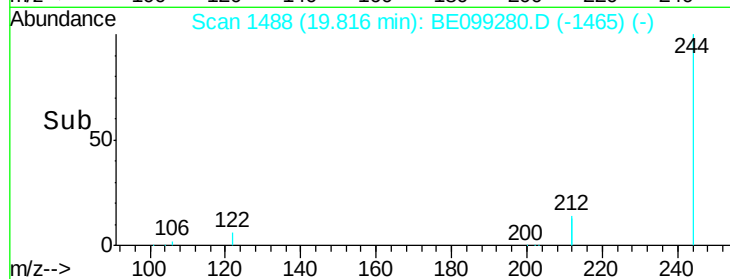
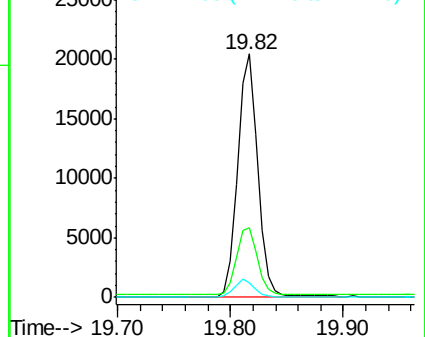
122 6.0 5.8 8.6



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: 21.34 min Scan# 1628

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

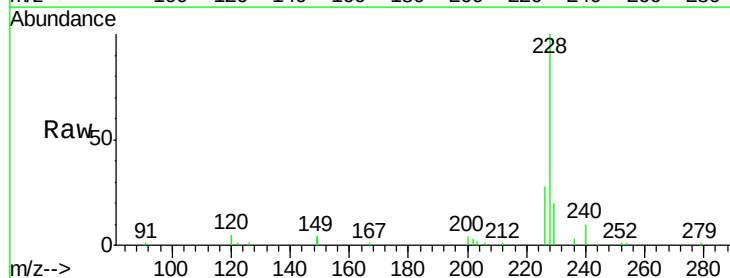
Tgt Ion:228 Resp: 20668

Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

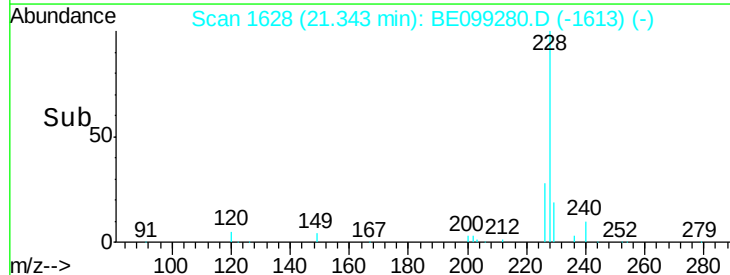
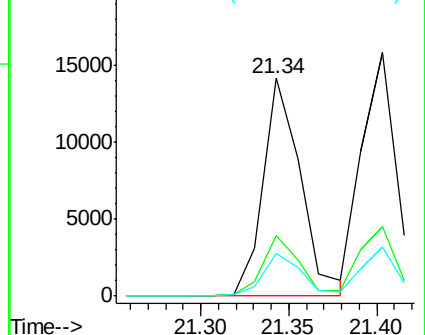
229 19.7 15.9 23.9

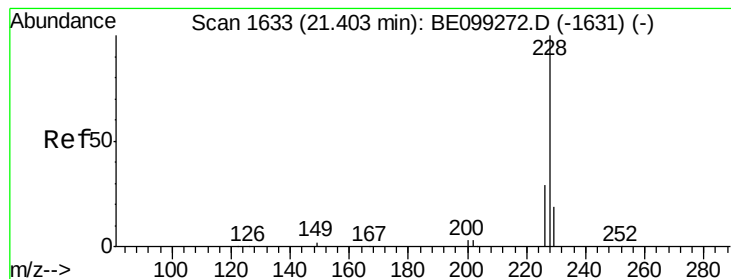


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.195 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

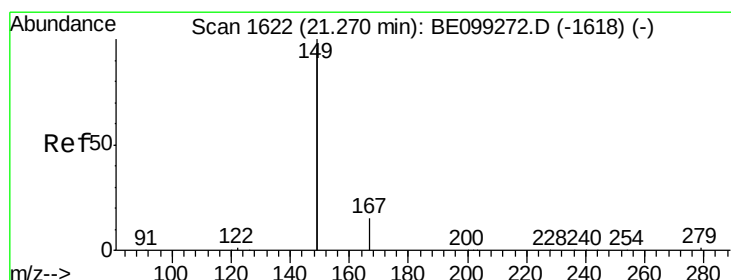
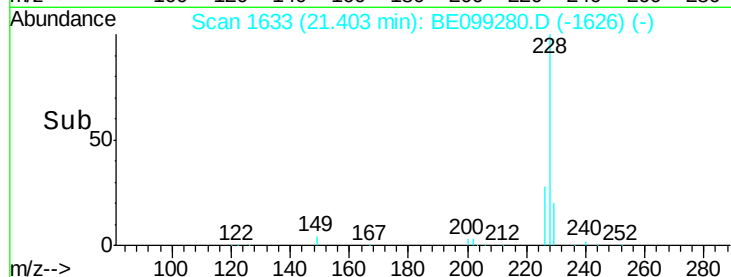
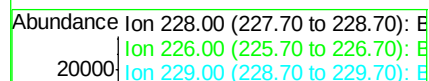
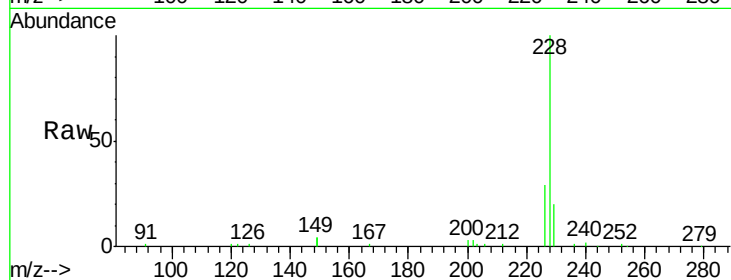
Tgt Ion:228 Resp: 21386

Ion Ratio Lower Upper

228 100

226 28.8 24.8 37.2

229 20.1 15.4 23.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.136 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

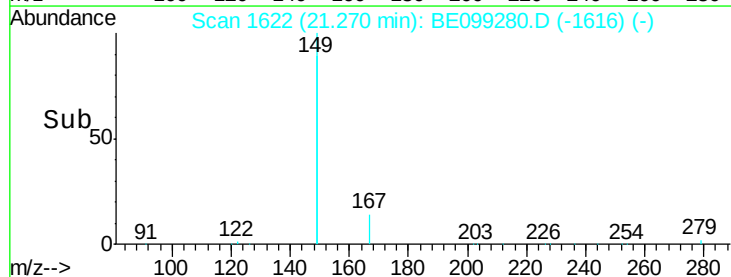
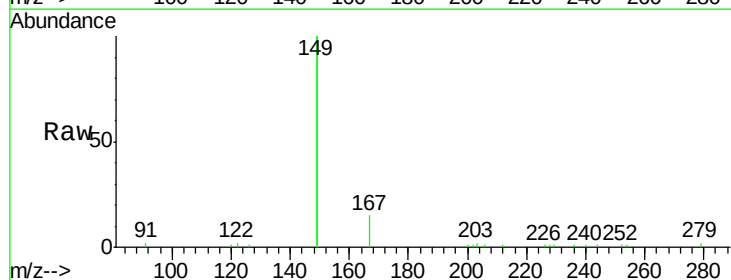
Tgt Ion:149 Resp: 19476

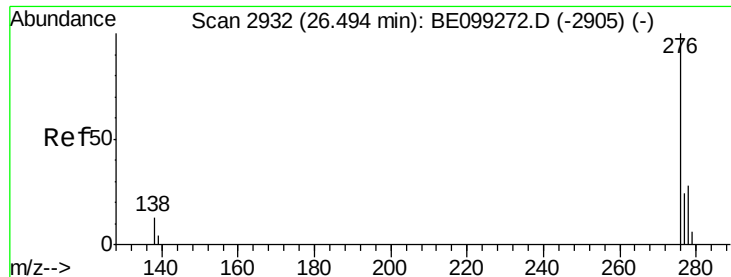
Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

279 1.2 1.0 1.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.194 ng

RT: 26.49 min Scan# 2932

Delta R.T. -0.06 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

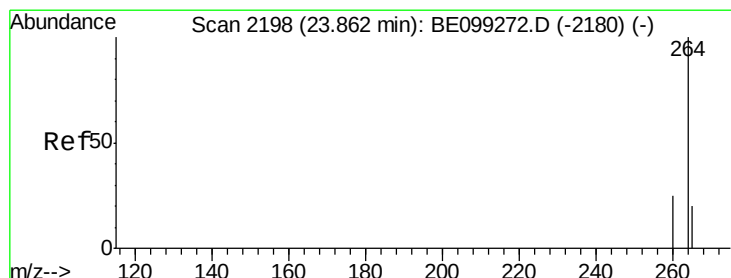
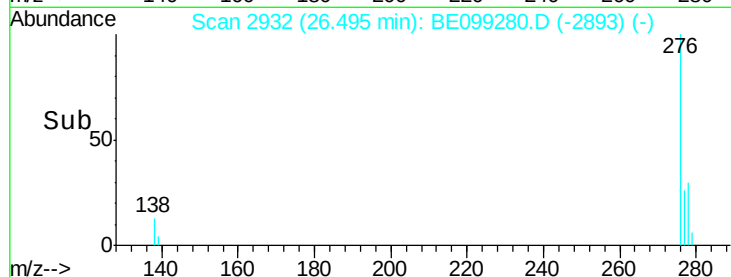
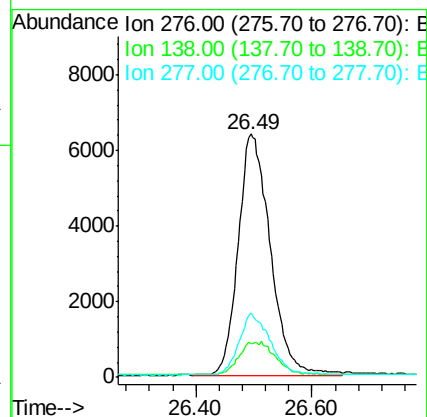
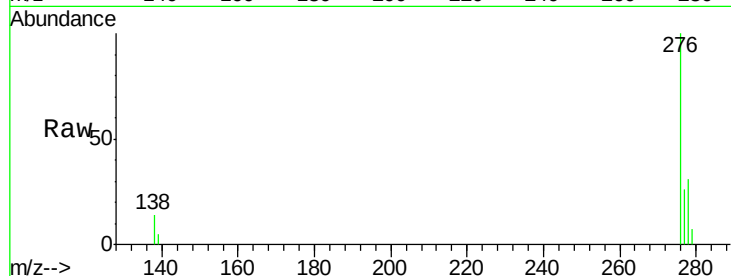
Tgt Ion:276 Resp: 24396

Ion Ratio Lower Upper

276 100

138 5.4 12.9 19.3#

277 24.4 18.3 27.5



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

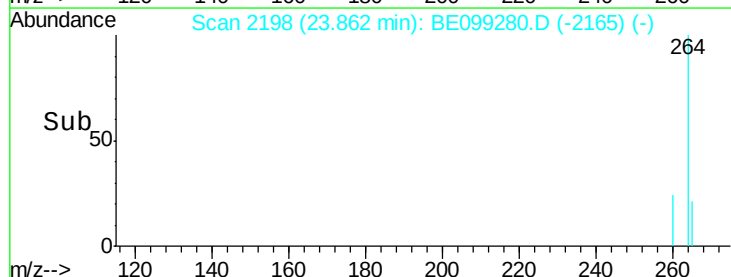
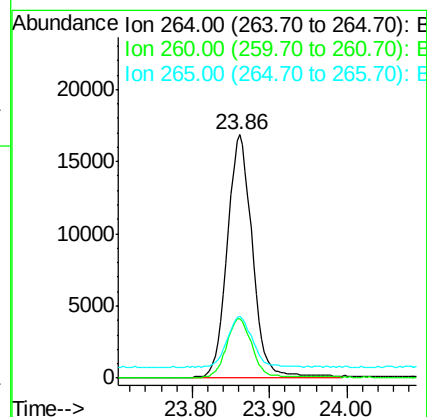
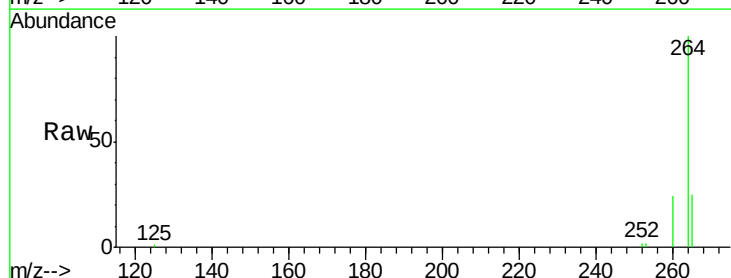
Tgt Ion:264 Resp: 37593

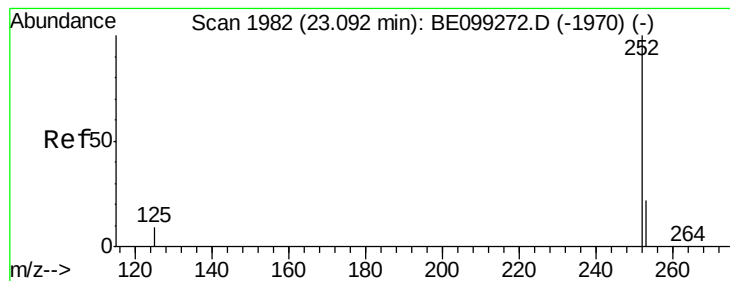
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 25.3 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 0.190 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

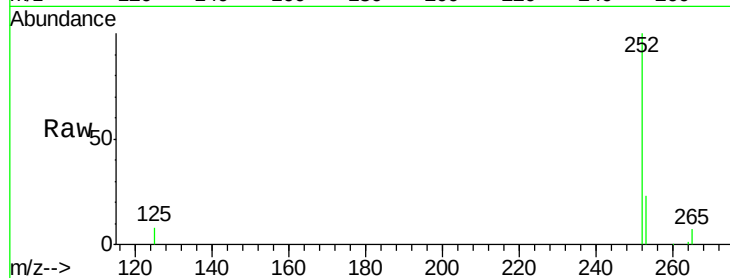
Tgt Ion:252 Resp: 21271

Ion Ratio Lower Upper

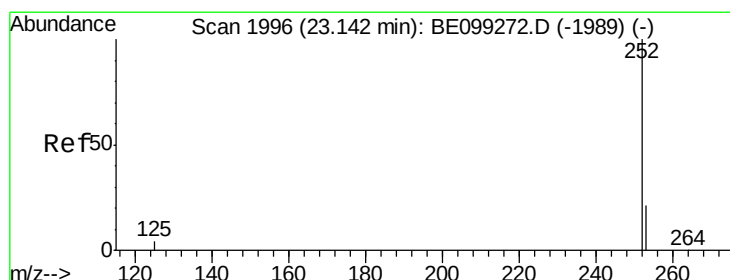
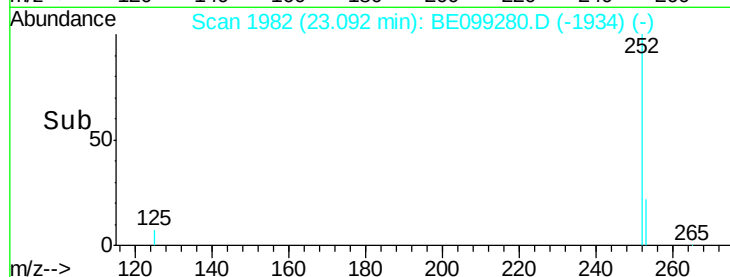
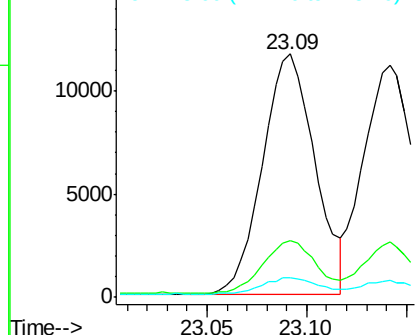
252 100

253 23.3 17.8 26.8

125 7.9 6.1 9.1



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: 0.187 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

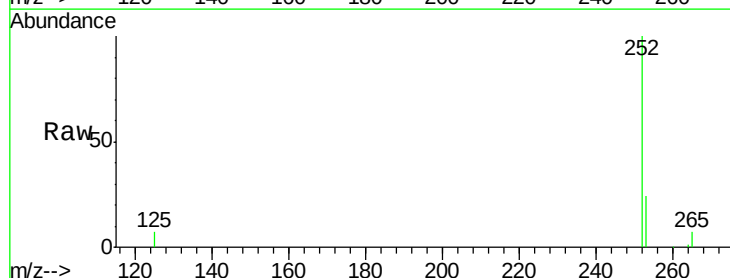
Tgt Ion:252 Resp: 20416

Ion Ratio Lower Upper

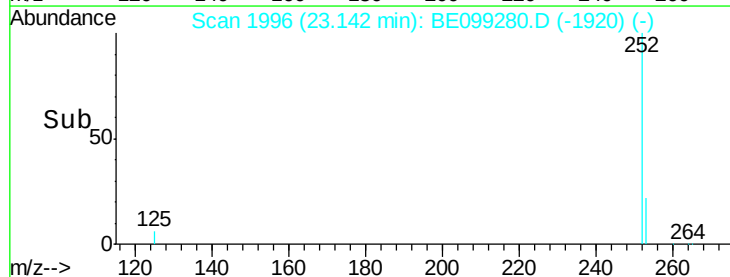
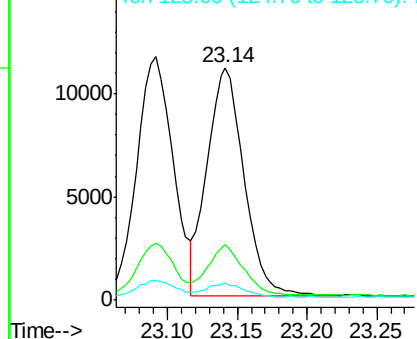
252 100

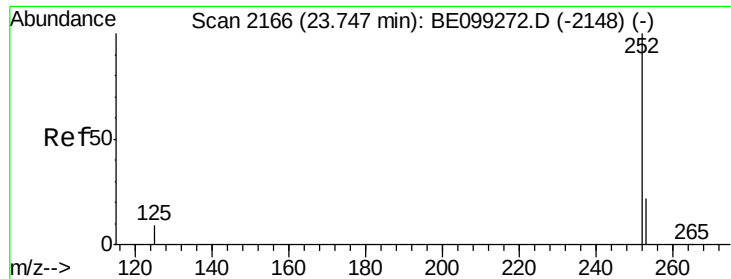
253 23.6 17.8 26.6

125 7.5 5.9 8.9



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: 0.179 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019

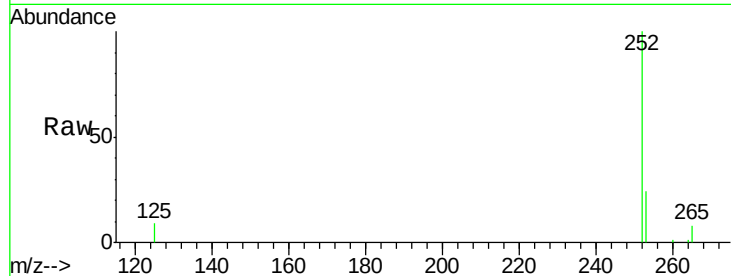
Tgt Ion:252 Resp: 18899

Ion Ratio Lower Upper

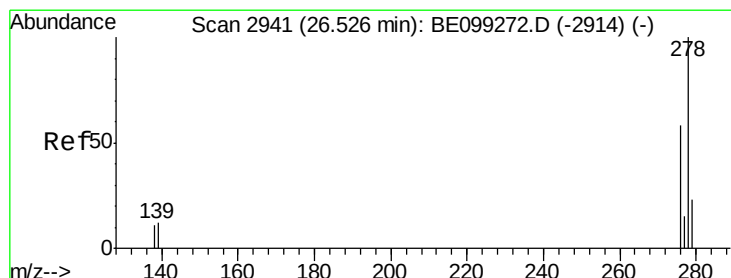
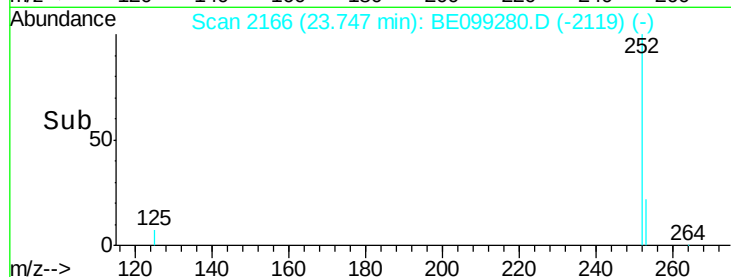
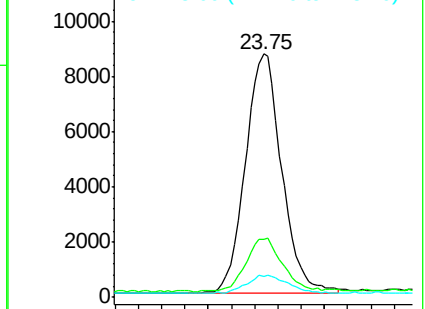
252 100

253 23.7 18.1 27.1

125 8.7 6.8 10.2



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: 0.192 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.06 min

Lab File: BE099280.D

Acq: 2 Apr 2019 18:49

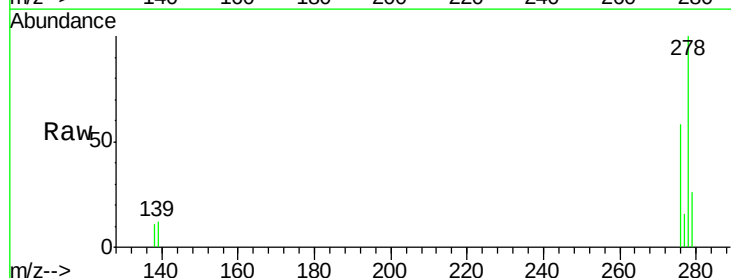
Tgt Ion:278 Resp: 20093

Ion Ratio Lower Upper

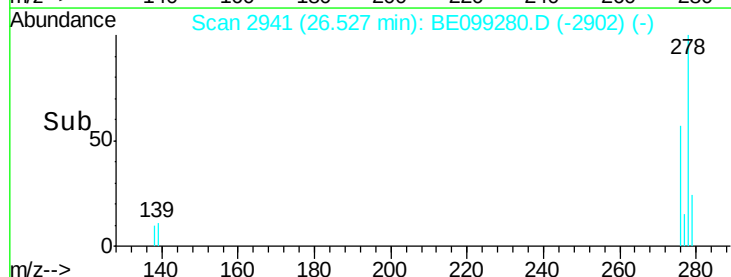
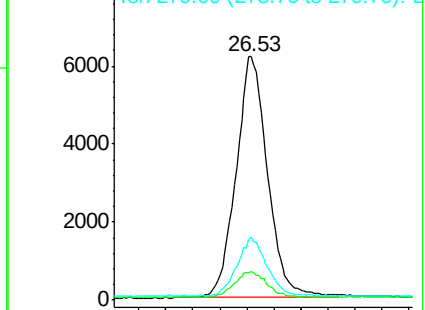
278 100

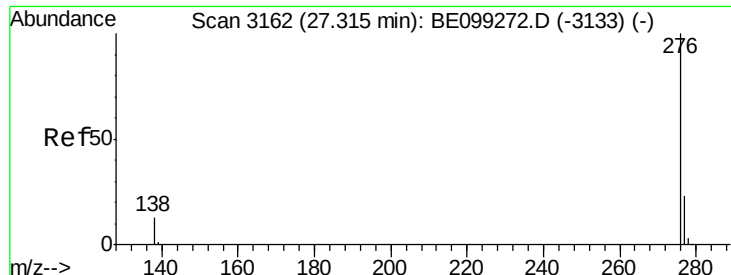
139 11.7 9.5 14.3

279 25.7 19.1 28.7



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: 27.31 min Scan# 3161

Delta R.T. -0.07 min

Lab File: BE099280.D

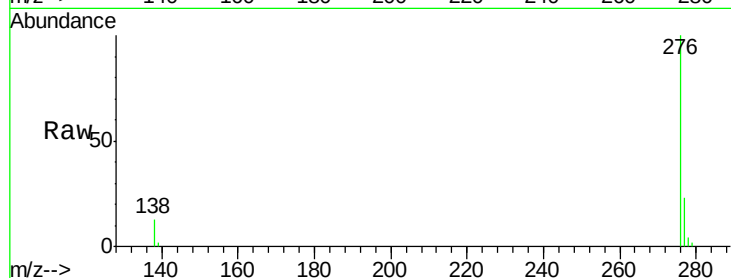
Acq: 2 Apr 2019 18:49

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT1-2019



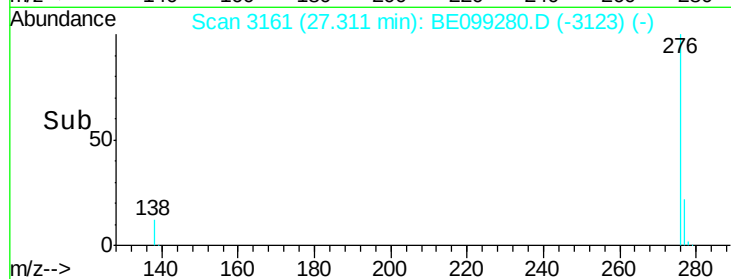
Tgt Ion: 276 Resp: 20288

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 13.0 11.1 16.7



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

