

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061019\
 Data File : BE099896.D
 Acq On : 10 Jun 2019 18:44
 Operator : JU/SJ
 Sample : K2241-02
 Misc : LOQ-SOIL-0.2PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 11 05:57:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	606	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	2088	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	1650	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5694	0.40	ng	0.00
27) Chrysene-d12	21.40	240	7612	0.40	ng	0.00
34) Perylene-d12	23.94	264	8982	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	2055	1.26	ng	0.00
5) Phenol-d6	6.97	99	2667	1.27	ng	0.00
8) Nitrobenzene-d5	8.96	82	1762	0.89	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	1330	0.37	ng	0.01
14) 2,4,6-Tribromophenol	15.97	330	1337	1.10	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5976	0.96	ng	0.00
25) Fluoranthene-d10	19.25	212	28419	0.34	ng	0.00
29) Terphenyl-d14	19.85	244	16846	1.23	ng	0.00

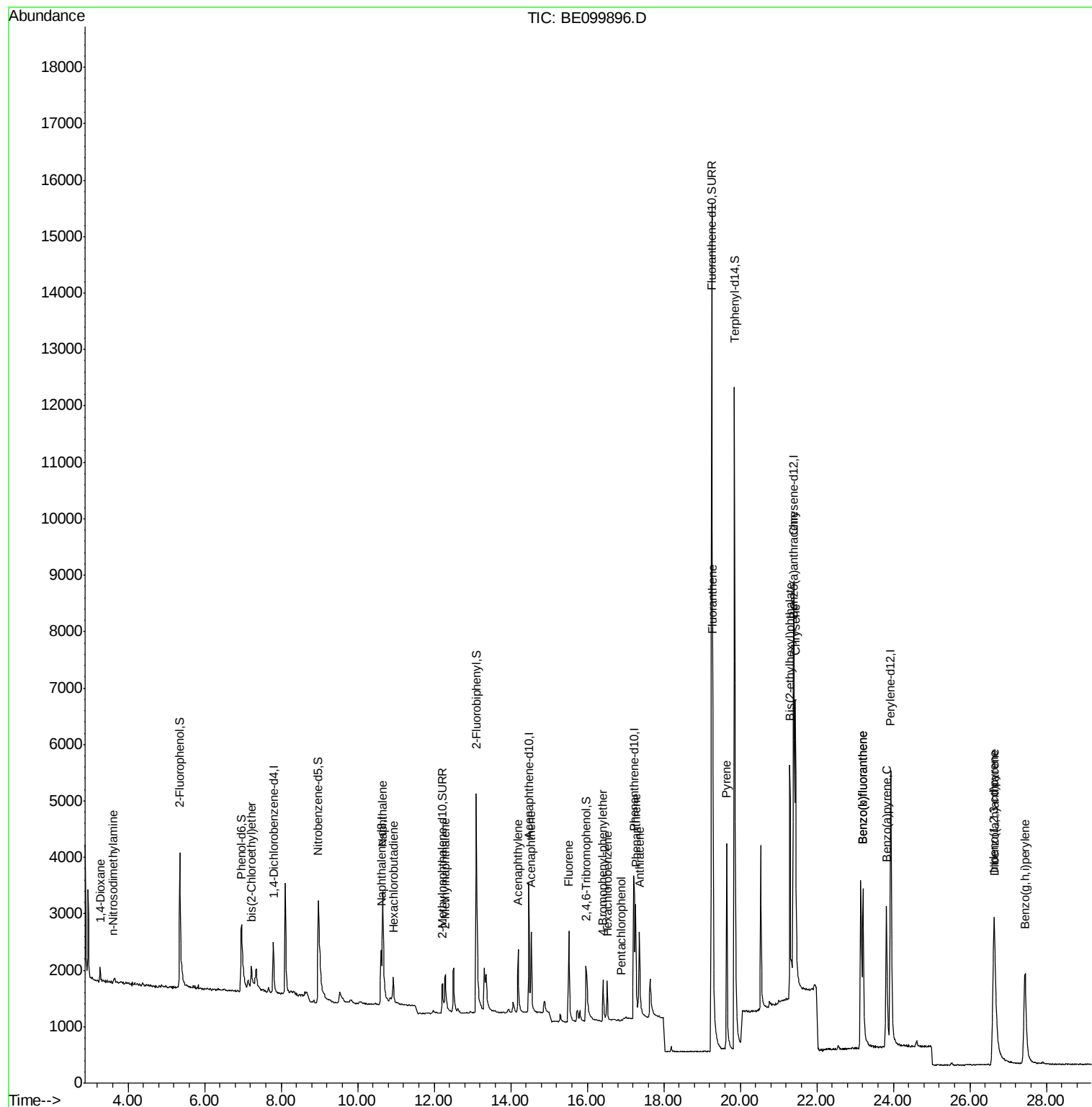
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	214	0.239	ng	91
3) n-Nitrosodimethylamine	3.61	42	84	0.162	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	357	0.207	ng	# 67
9) Naphthalene	10.65	128	4928	0.219	ng	# 96
10) Hexachlorobutadiene	10.93	225	387	0.225	ng	98
12) 2-Methylnaphthalene	12.30	142	780	0.213	ng	96
16) Acenaphthylene	14.20	152	1670	0.203	ng	98
17) Acenaphthene	14.53	154	941	0.210	ng	98
18) Fluorene	15.52	166	1414	0.211	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	600	0.186	ng	# 91
21) Hexachlorobenzene	16.52	284	694	0.210	ng	99
22) Pentachlorophenol	16.88	266	6	0.304	ng	85
23) Phenanthrene	17.27	178	2762	0.200	ng	100
24) Anthracene	17.36	178	2217	0.175	ng	99
26) Fluoranthene	19.28	202	4805	0.205	ng	100
28) Pyrene	19.64	202	4776	0.239	ng	99
30) Benzo(a)anthracene	21.39	228	4654	0.205	ng	98
31) Chrysene	21.44	228	5605	0.238	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	6478	0.198	ng	99
33) Indeno(1,2,3-cd)pyrene	26.62	276	6249	0.224	ng	99
35) Benzo(b)fluoranthene	23.20	252	5701	0.227	ng	96
36) Benzo(k)fluoranthene	23.20	252	5782	0.220	ng	# 95
37) Benzo(a)pyrene	23.82	252	5398	0.218	ng	# 91
38) Dibenzo(a,h)anthracene	26.65	278	4951	0.198	ng	# 92
39) Benzo(g,h,i)perylene	27.44	276	5514	0.214	ng	# 97

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

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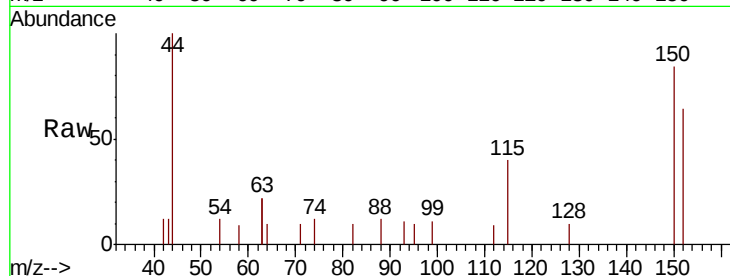


#1

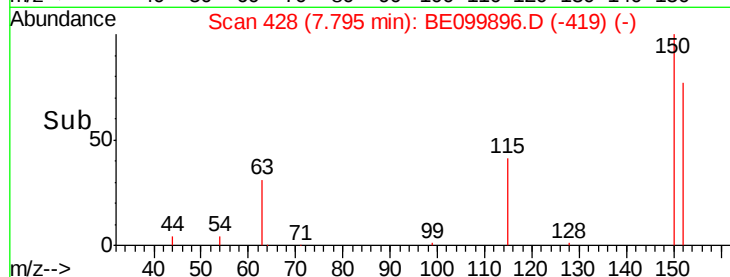
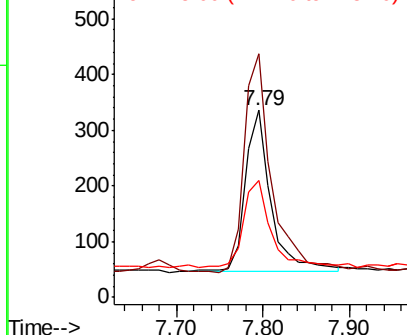
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 152 Resp: 606
Ion Ratio Lower Upper
152 100
150 130.1 111.0 166.6
115 62.5 50.7 76.1



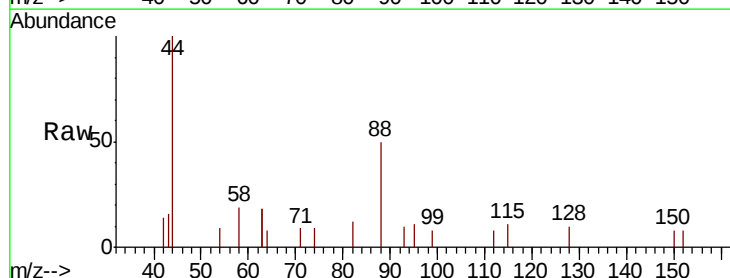
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



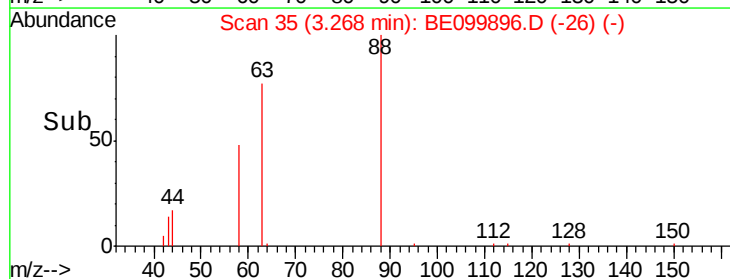
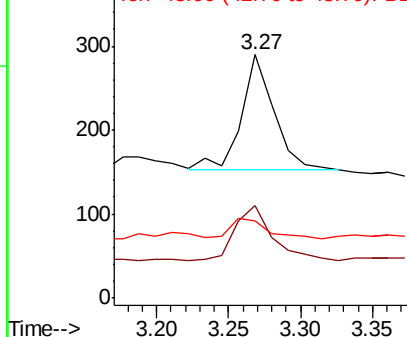
#2

1,4-Dioxane
Concen: 0.239 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Tgt Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
58 53.7 48.8 73.2
43 19.2 19.0 28.6



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: 0.162 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

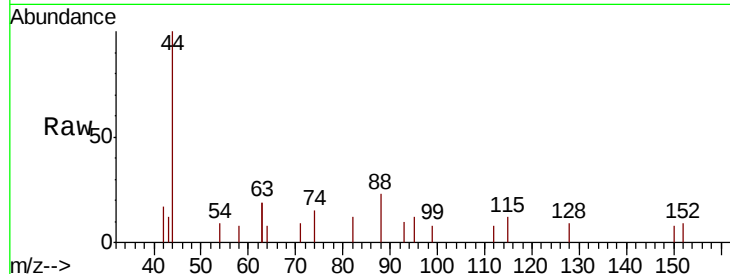
Tgt Ion: 42 Resp: 84

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



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

800

600

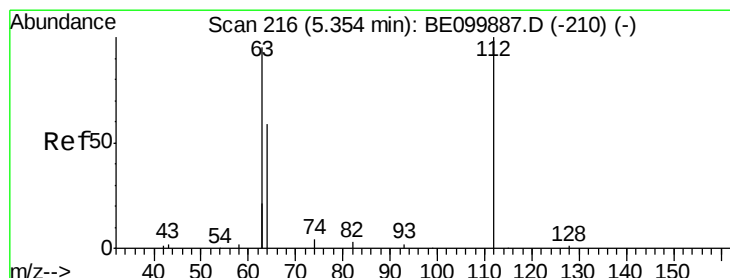
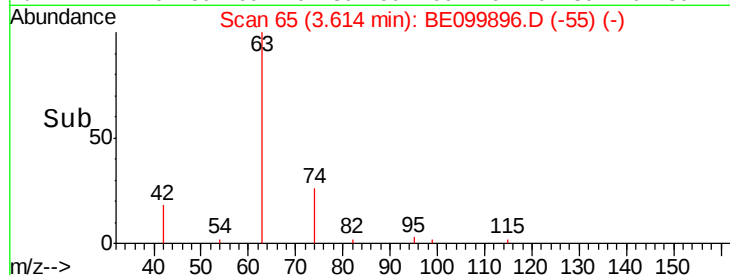
400

200

0

3.55 3.60 3.65

Time-->



#4

2-Fluorophenol

Concen: 1.256 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

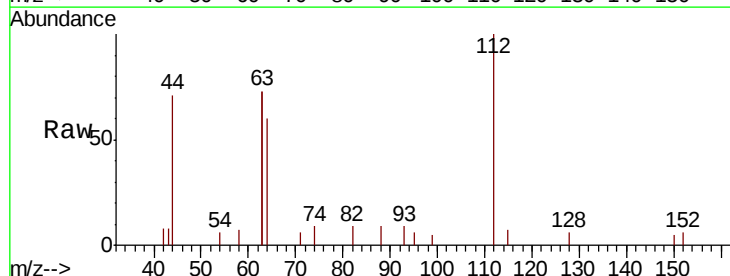
Tgt Ion: 112 Resp: 2055

Ion Ratio Lower Upper

112 100

64 53.8 44.1 66.1

63 116.5 87.8 131.6



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

1500

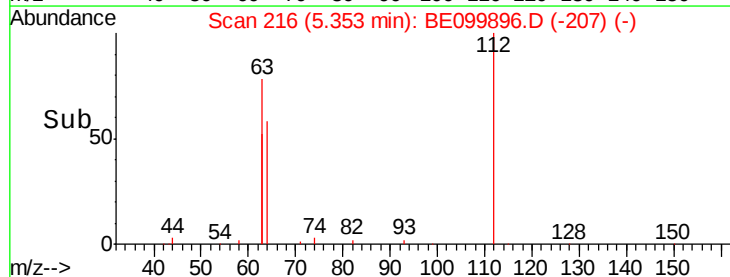
1000

500

0

5.20 5.40 5.60

Time-->





#5

Phenol-d6

Concen: 1.266 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

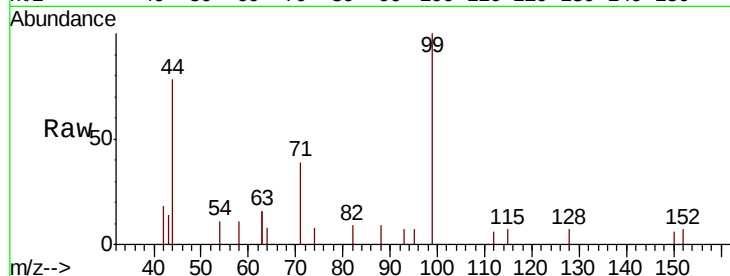
Tgt Ion: 99 Resp: 2667

Ion Ratio Lower Upper

99 100

42 12.0 15.9 23.9#

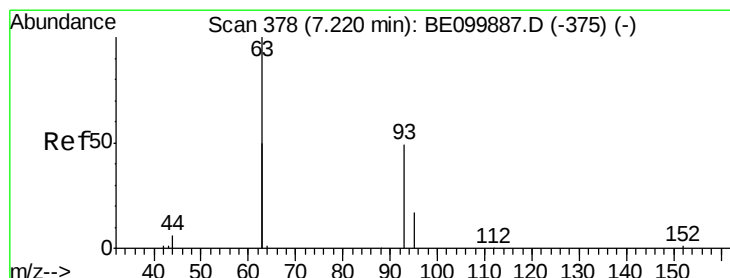
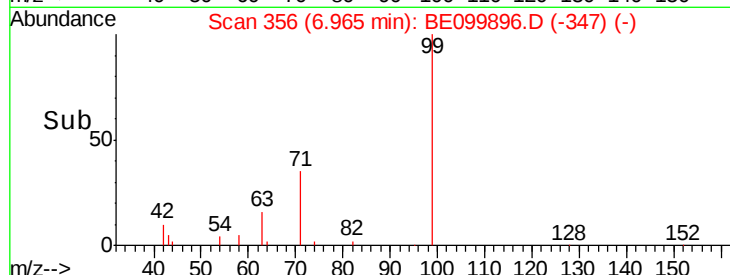
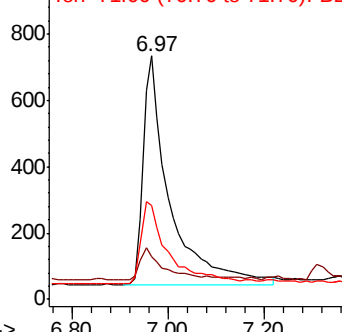
71 36.8 34.6 52.0



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: 0.207 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

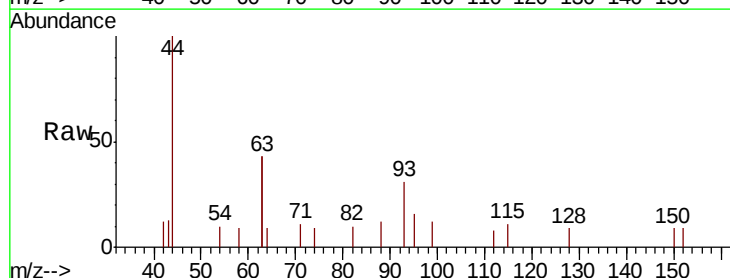
Tgt Ion: 93 Resp: 357

Ion Ratio Lower Upper

93 100

63 188.2 202.8 304.2#

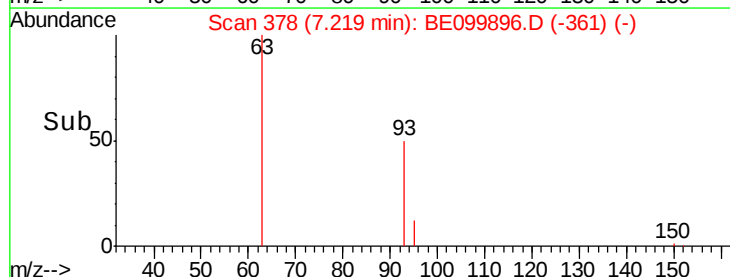
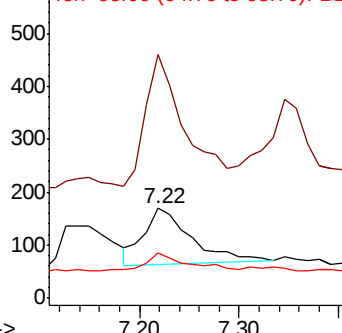
95 29.1 23.7 35.5



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: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 136 Resp: 2088

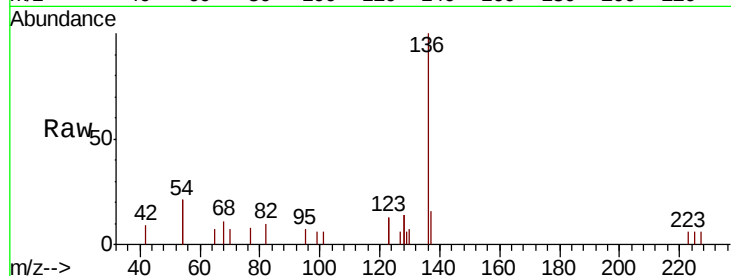
Ion Ratio Lower Upper

136 100

137 16.4 12.3 18.5

54 42.1 28.2 42.4

68 10.7 7.8 11.8

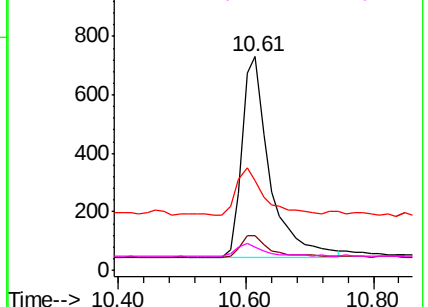
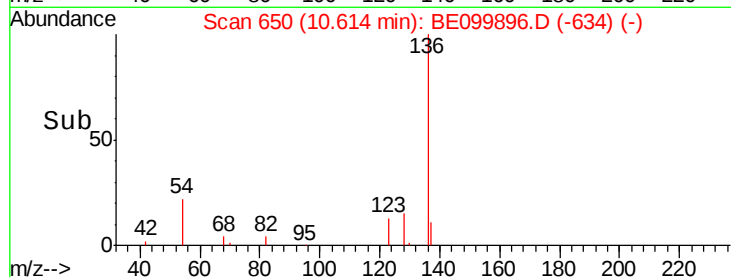


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.891 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

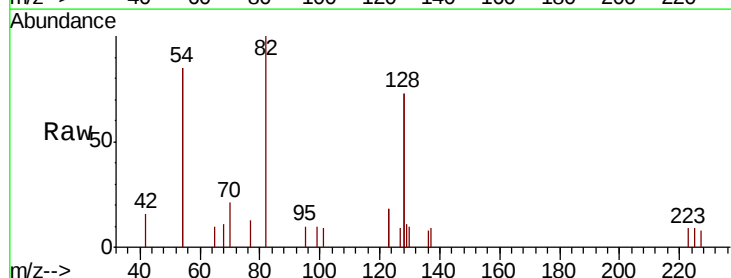
Tgt Ion: 82 Resp: 1762

Ion Ratio Lower Upper

82 100

128 145.3 137.3 205.9

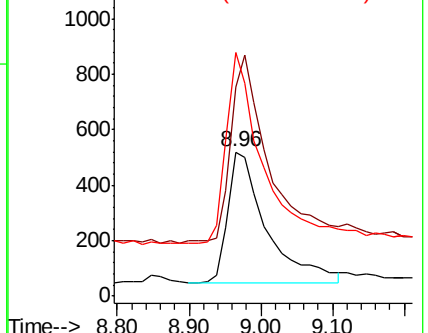
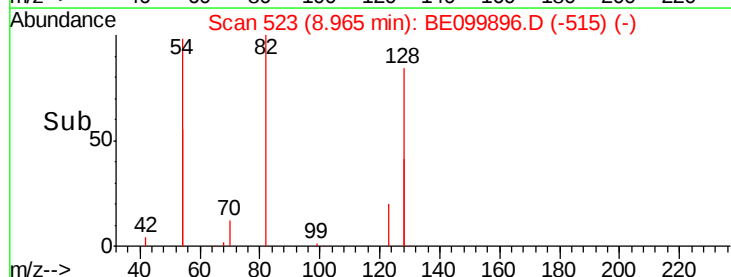
54 169.2 129.7 194.5



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

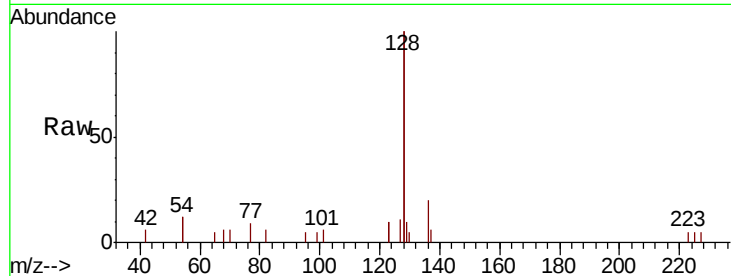




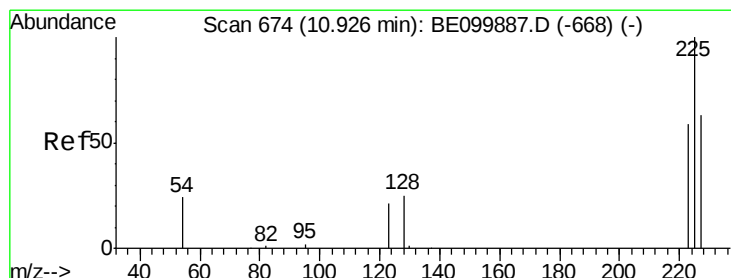
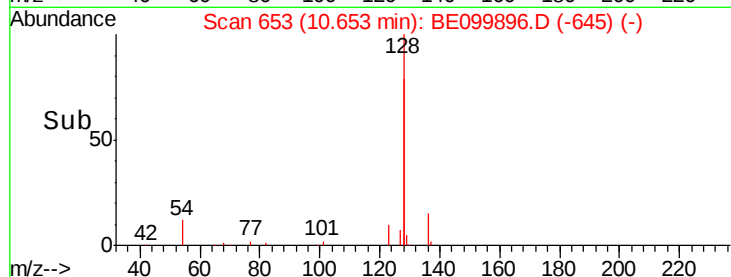
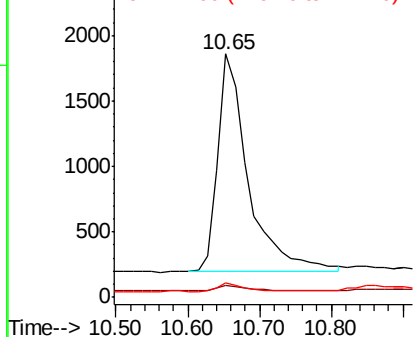
#9
Naphthalene
Concen: 0.219 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:128 Resp: 4928
Ion Ratio Lower Upper
128 100
129 4.9 3.0 4.6#
127 5.7 3.4 5.0#

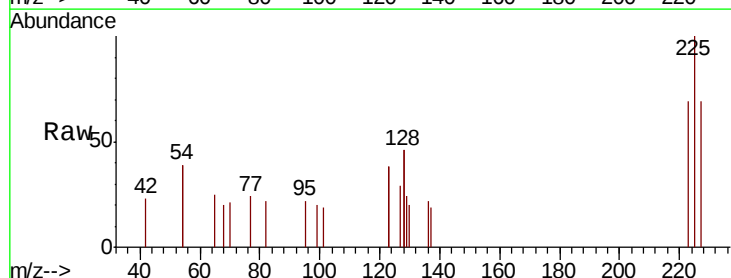


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

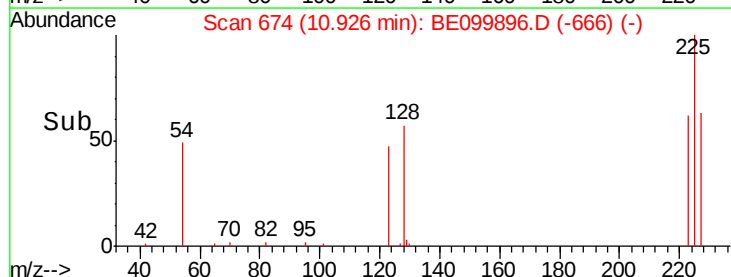
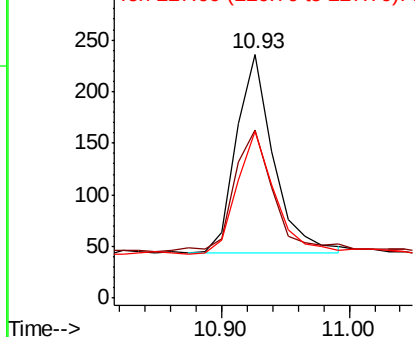


#10
Hexachlorobutadiene
Concen: 0.225 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Tgt Ion:225 Resp: 387
Ion Ratio Lower Upper
225 100
223 61.8 51.6 77.4
227 63.3 50.6 76.0



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: 0.365 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

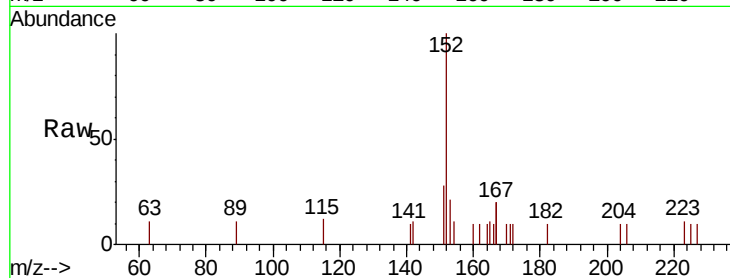
LOQ-SOIL-02-QT2-2019

Tgt Ion:152 Resp: 1330

Ion Ratio Lower Upper

152 100

151 19.4 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

400

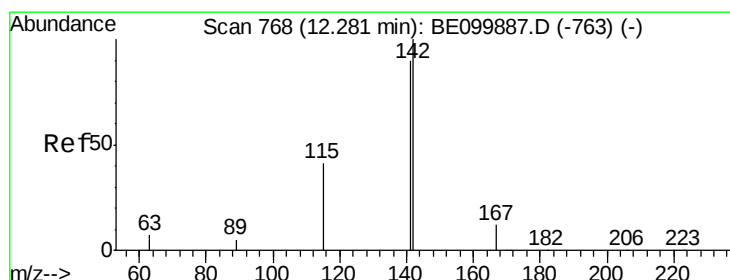
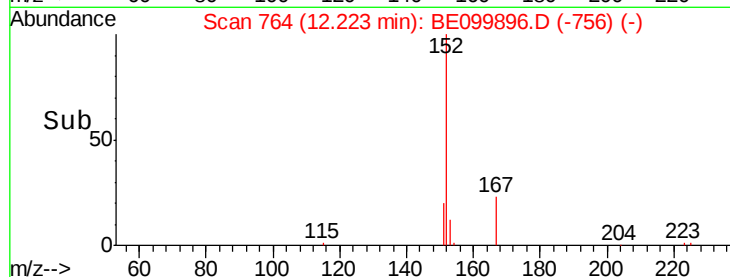
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.213 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

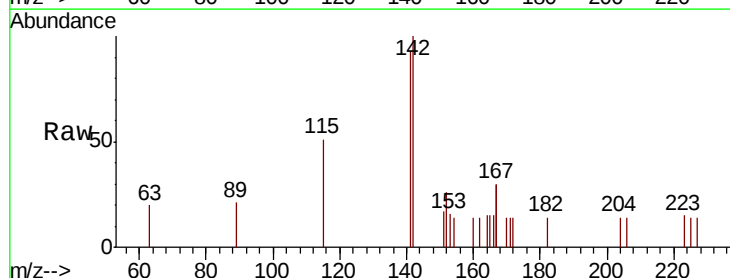
Tgt Ion:142 Resp: 780

Ion Ratio Lower Upper

142 100

141 92.9 72.3 108.5

115 50.8 36.4 54.6



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

12.30

400

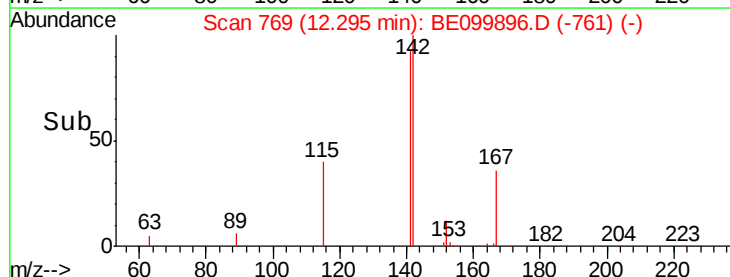
300

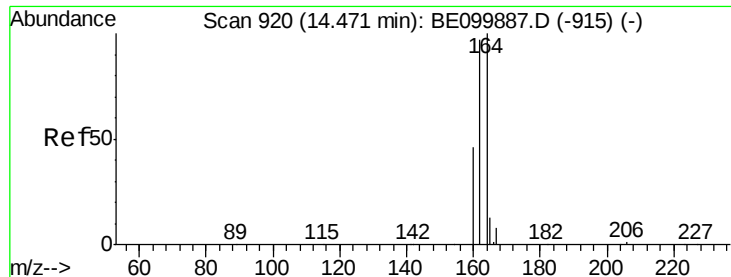
200

100

0

Time-->

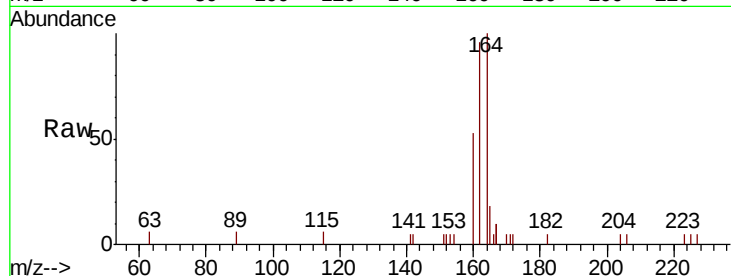




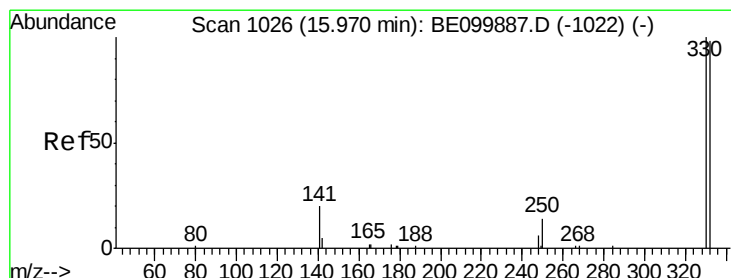
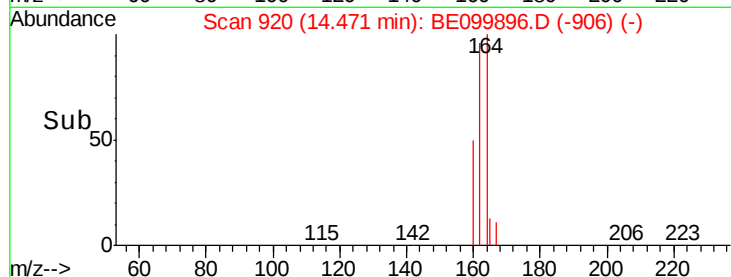
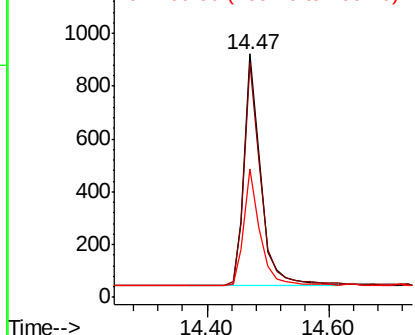
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:164 Resp: 1650
Ion Ratio Lower Upper
164 100
162 96.2 77.8 116.8
160 52.7 38.2 57.4

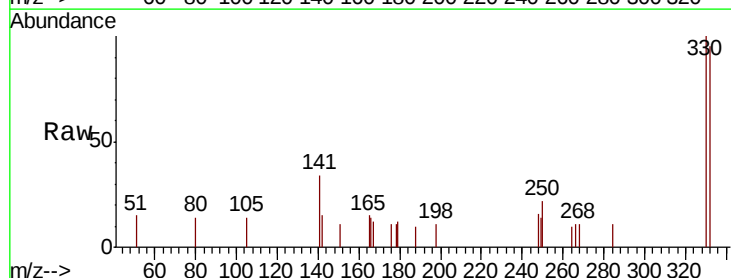


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

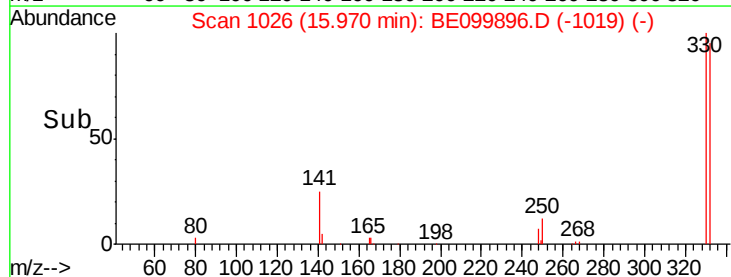
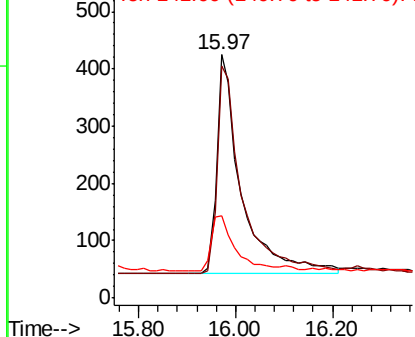


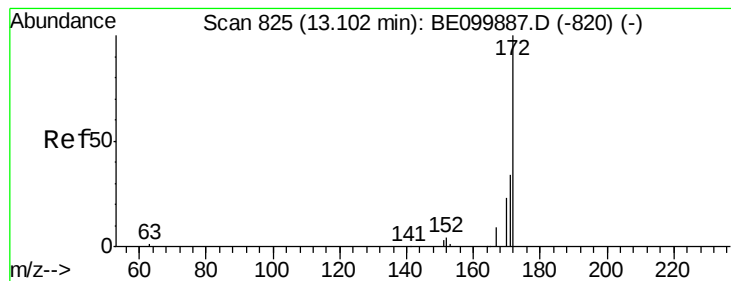
#14
2,4,6-Tribromophenol
Concen: 1.096 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Tgt Ion:330 Resp: 1337
Ion Ratio Lower Upper
330 100
332 99.6 76.7 115.1
141 24.2 21.0 31.6



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: 0.955 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

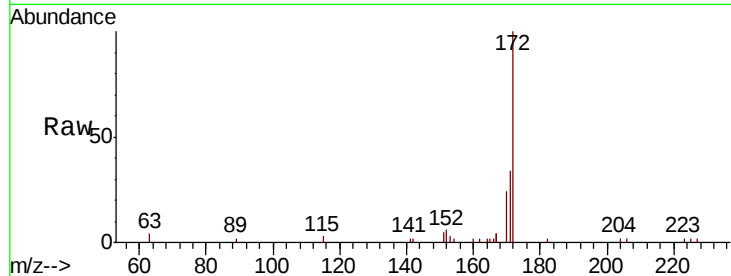
Tgt Ion:172 Resp: 5976

Ion Ratio Lower Upper

172 100

171 34.4 29.2 43.8

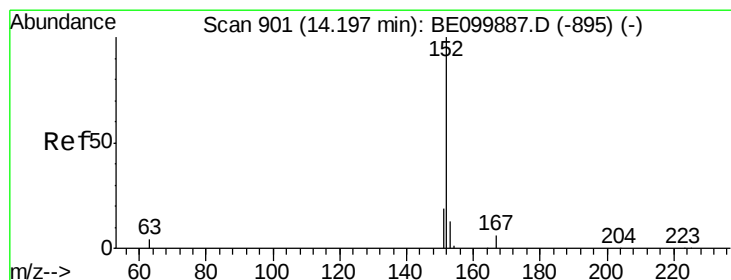
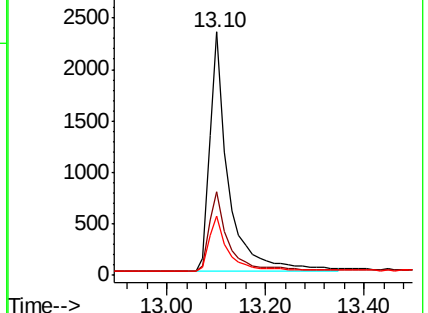
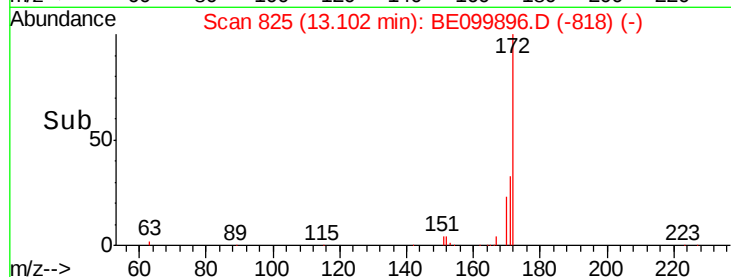
170 24.2 21.2 31.8



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: 0.203 ng

RT: 14.20 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

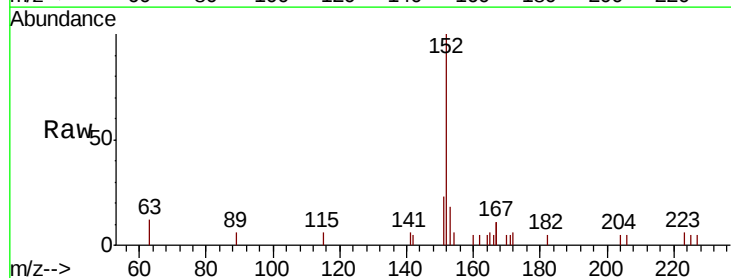
Tgt Ion:152 Resp: 1670

Ion Ratio Lower Upper

152 100

151 18.9 15.5 23.3

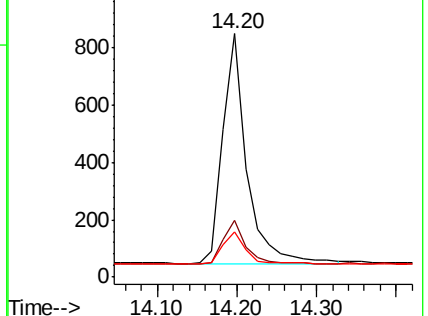
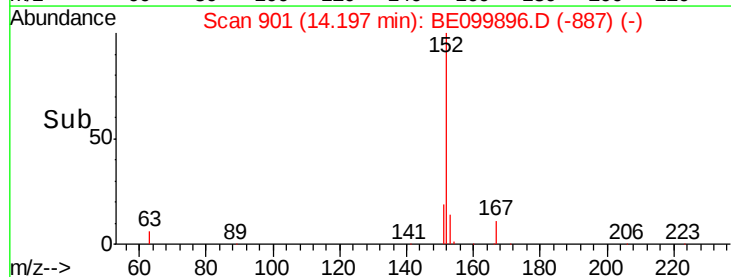
153 14.3 10.2 15.2

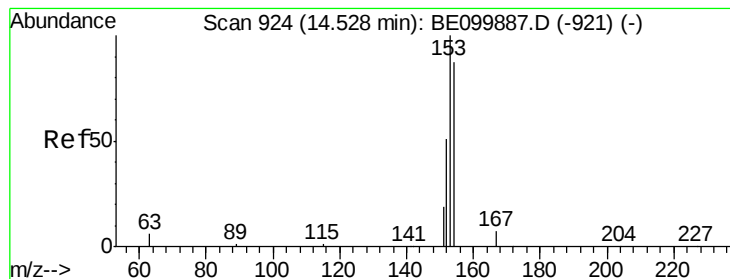


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.210 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

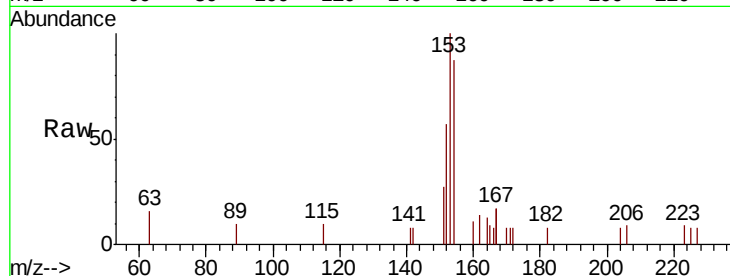
Tgt Ion:154 Resp: 941

Ion Ratio Lower Upper

154 100

153 113.3 93.1 139.7

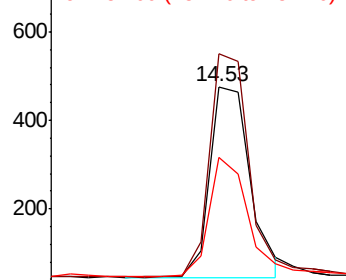
152 59.6 47.0 70.4



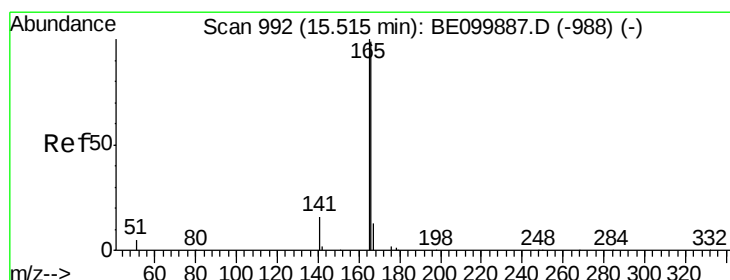
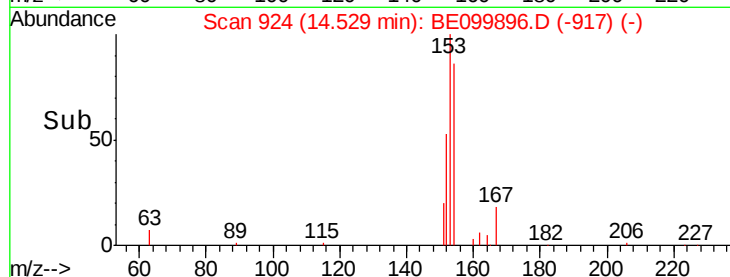
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time--> 14.40 14.50 14.60



#18

Fluorene

Concen: 0.211 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

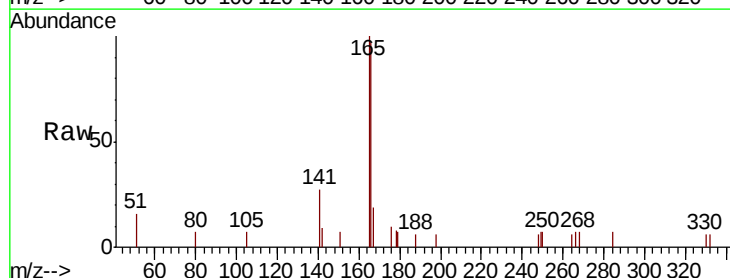
Tgt Ion:166 Resp: 1414

Ion Ratio Lower Upper

166 100

165 100.8 81.8 122.8

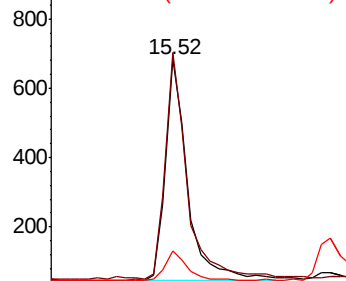
167 13.7 11.2 16.8



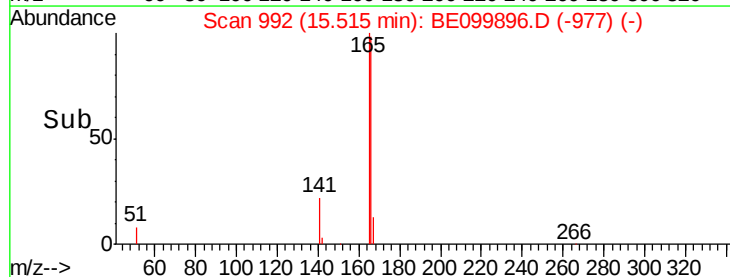
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.40 15.50 15.60 15.70





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

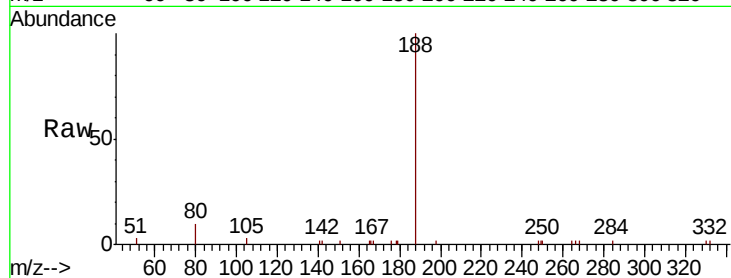
Tgt Ion:188 Resp: 5694

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

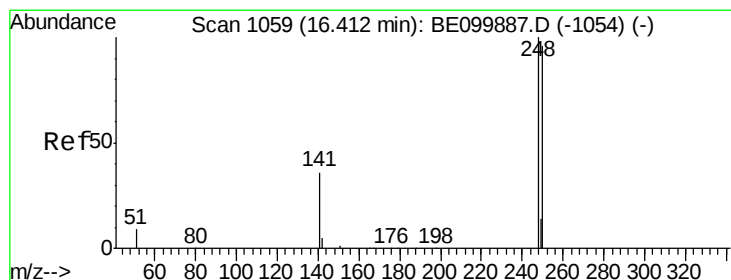
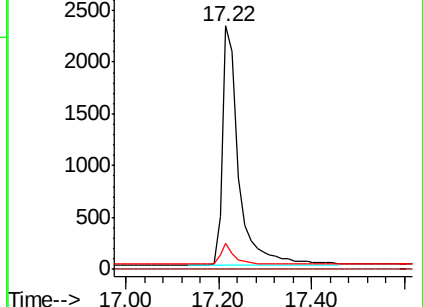
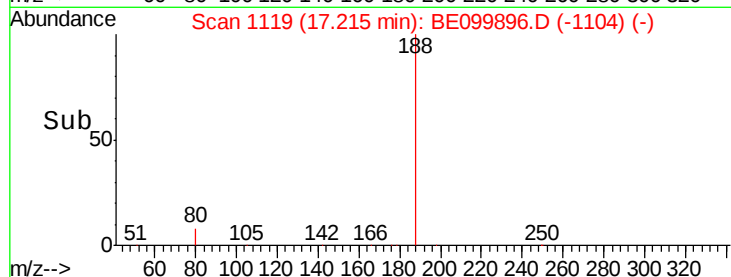
80 10.5 6.4 9.6#



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: 0.186 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

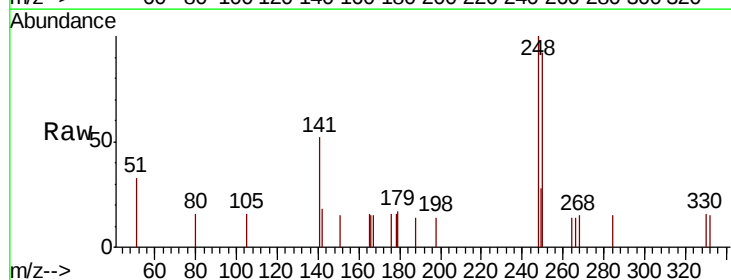
Tgt Ion:248 Resp: 600

Ion Ratio Lower Upper

248 100

250 92.3 77.5 116.3

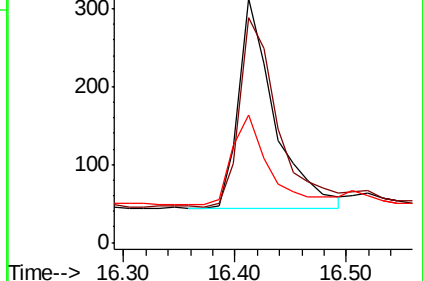
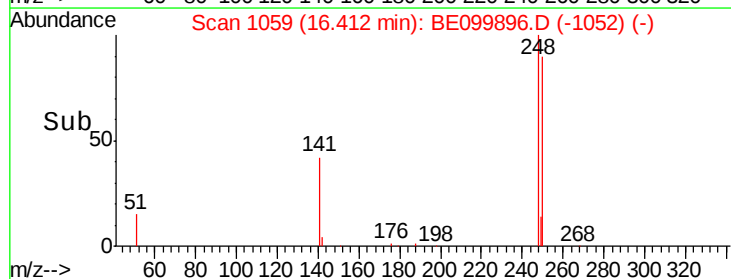
141 52.4 31.8 47.8#



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: 0.210 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

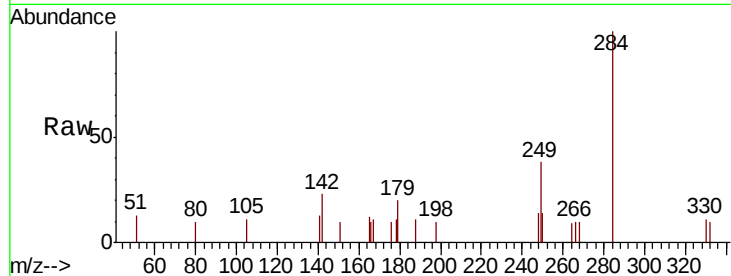
Tgt Ion:284 Resp: 694

Ion Ratio Lower Upper

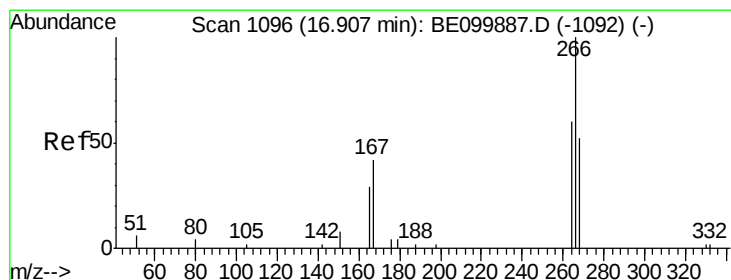
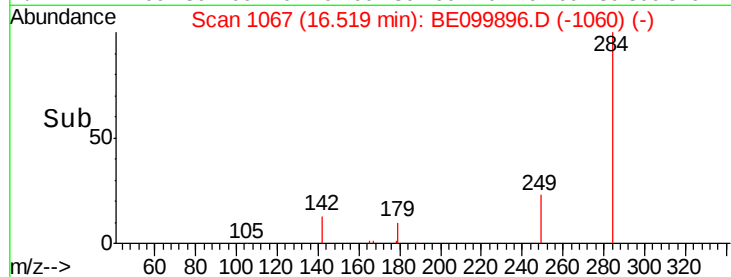
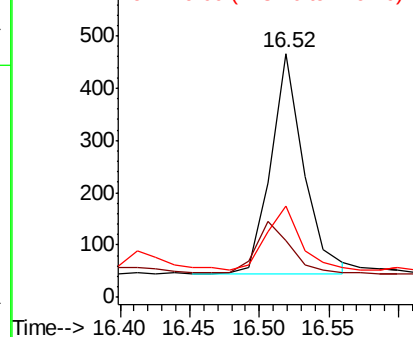
284 100

142 23.3 18.2 27.4

249 31.3 24.6 37.0



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: 0.304 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

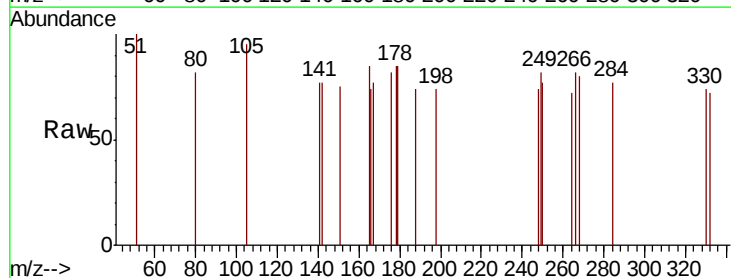
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

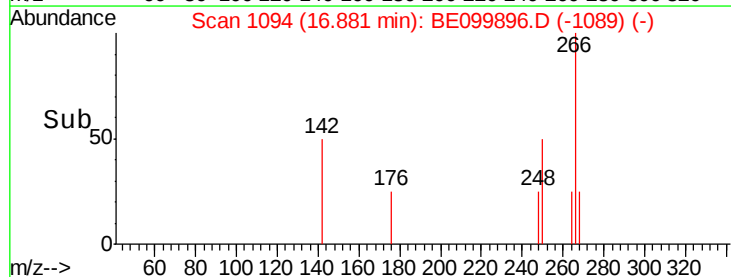
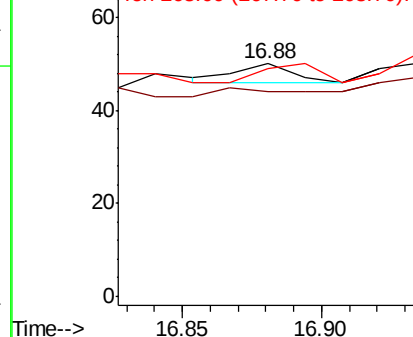
266 100

264 88.0 62.2 93.2

268 98.0 65.5 98.3



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

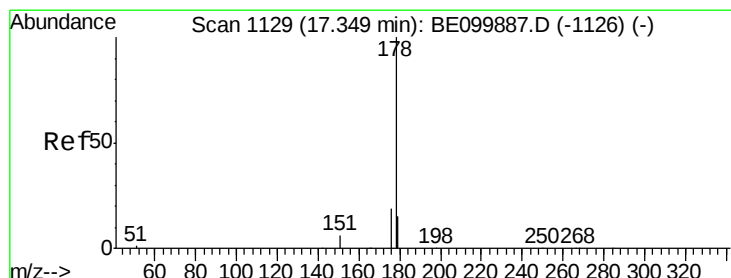
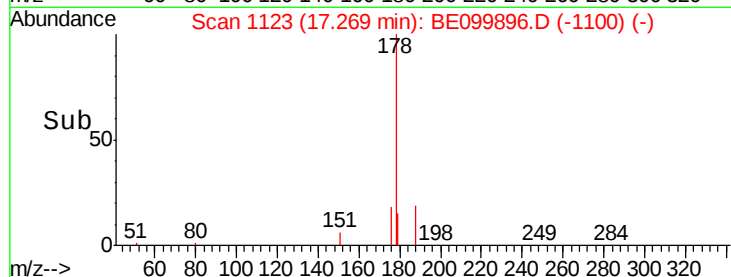
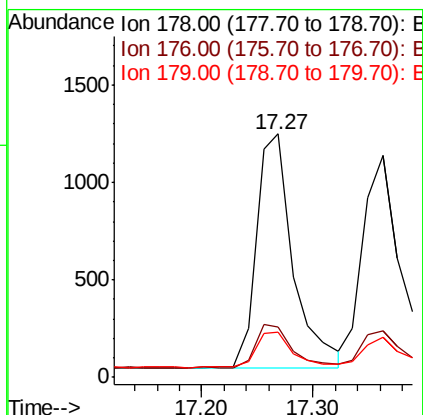
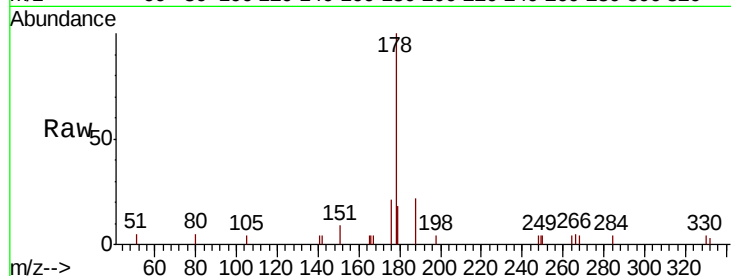




#23
Phenanthrene
Concen: 0.200 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

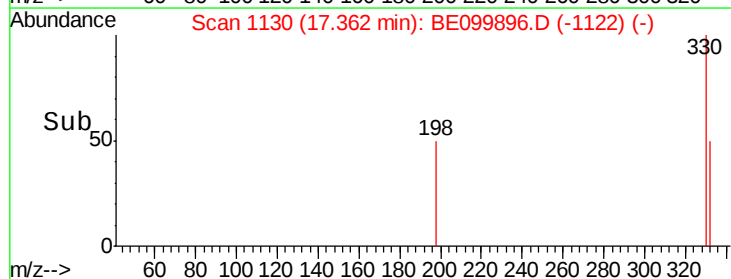
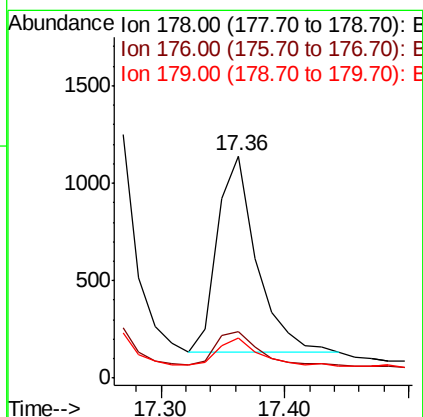
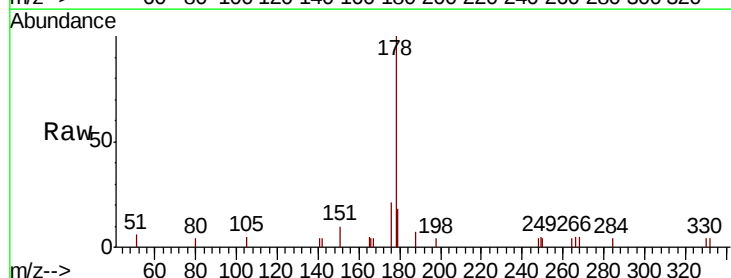
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:178 Resp: 2762
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.6 12.4 18.6



#24
Anthracene
Concen: 0.175 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BE099896.D
Acq: 10 Jun 2019 18:44

Tgt Ion:178 Resp: 2217
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 15.0 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

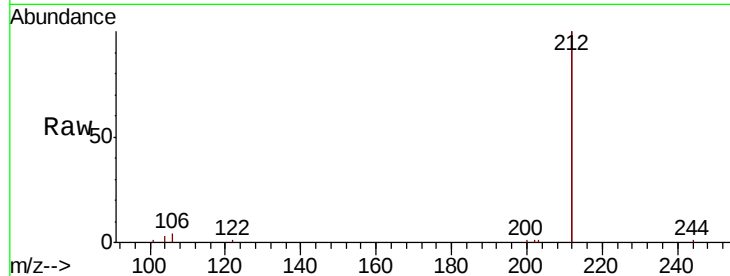
Tgt Ion:212 Resp: 28419

Ion Ratio Lower Upper

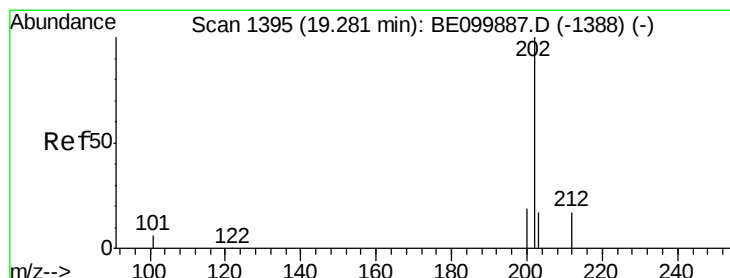
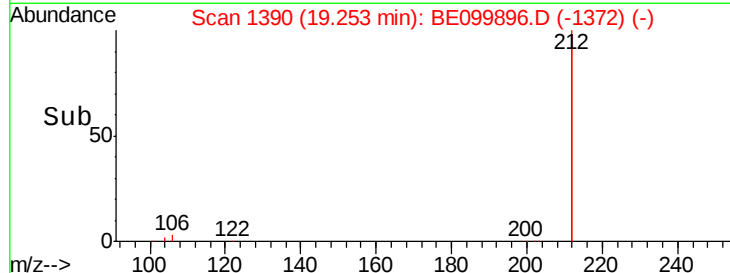
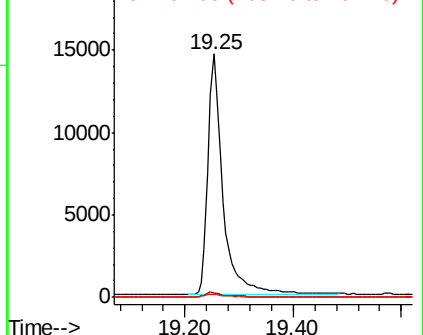
212 100

106 1.8 1.4 2.2

104 1.0 0.9 1.3



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: 0.205 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

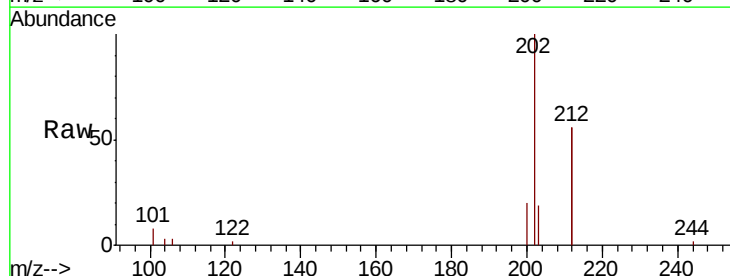
Tgt Ion:202 Resp: 4805

Ion Ratio Lower Upper

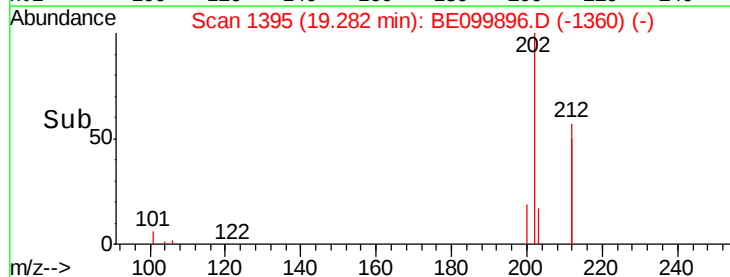
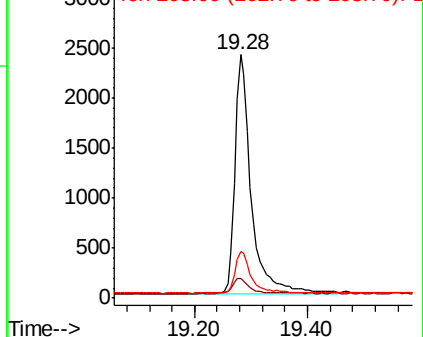
202 100

101 6.7 5.4 8.0

203 16.5 13.2 19.8



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

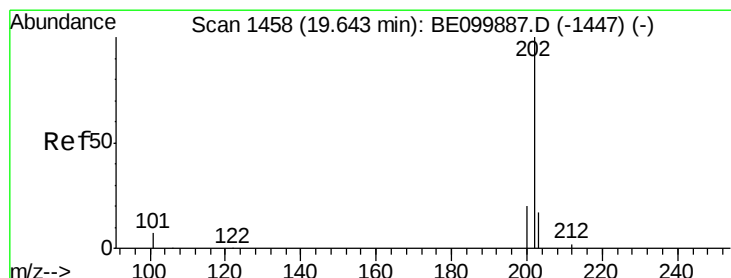
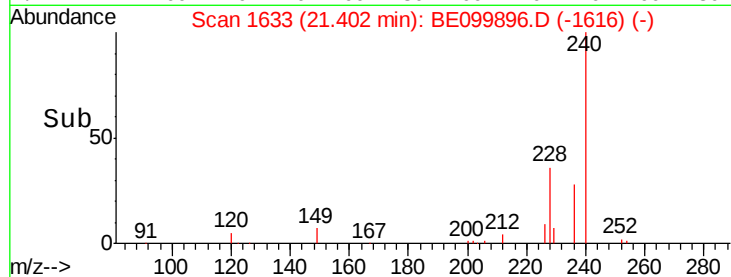
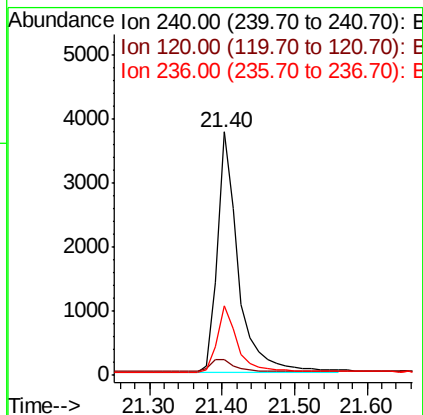
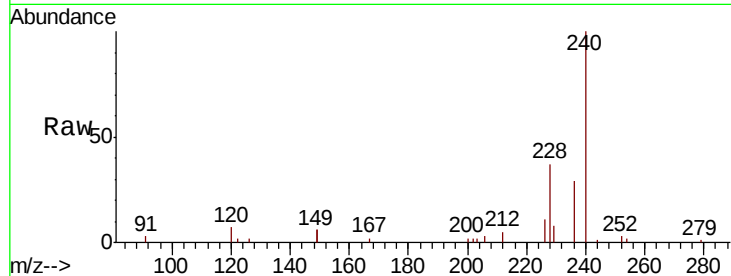




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE099896.D
 Acq: 10 Jun 2019 18:44

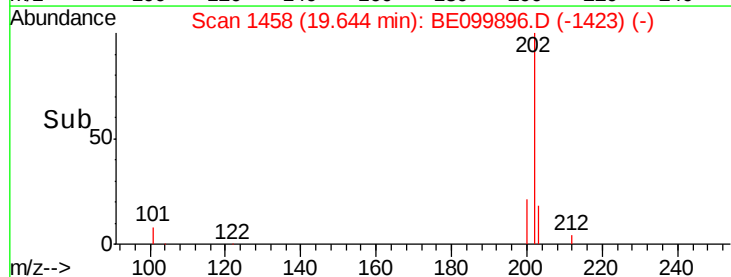
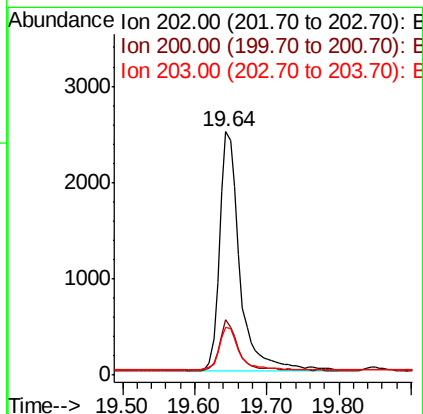
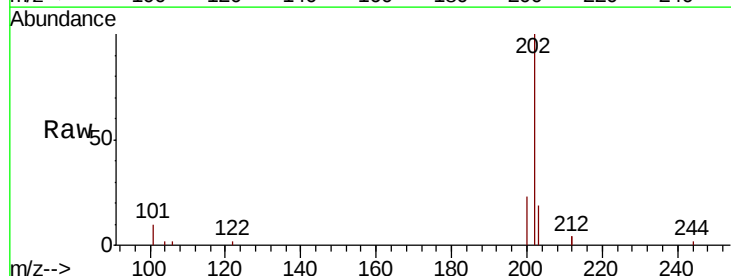
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion:240 Resp: 7612
 Ion Ratio Lower Upper
 240 100
 120 6.5 3.8 5.6#
 236 28.5 22.0 33.0



#28
 Pyrene
 Concen: 0.239 ng
 RT: 19.64 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BE099896.D
 Acq: 10 Jun 2019 18:44

Tgt Ion:202 Resp: 4776
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.5 23.3
 203 17.9 14.0 21.0





#29

Terphenyl-d14

Concen: 1.229 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

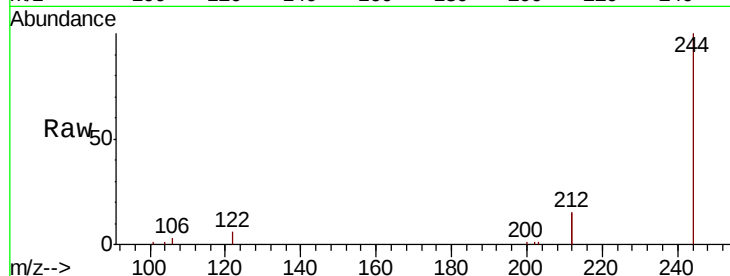
Tgt Ion:244 Resp: 16846

Ion Ratio Lower Upper

244 100

212 29.9 25.7 38.5

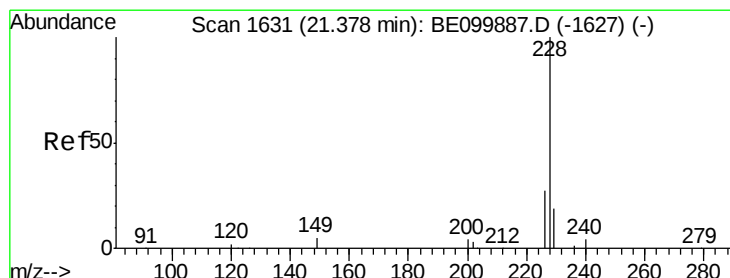
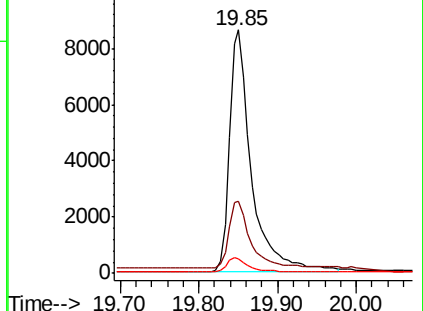
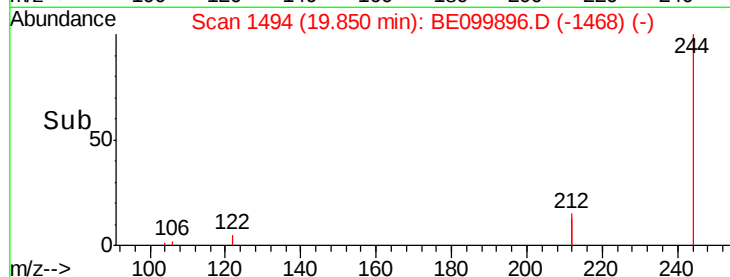
122 6.0 5.5 8.3



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: 0.205 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

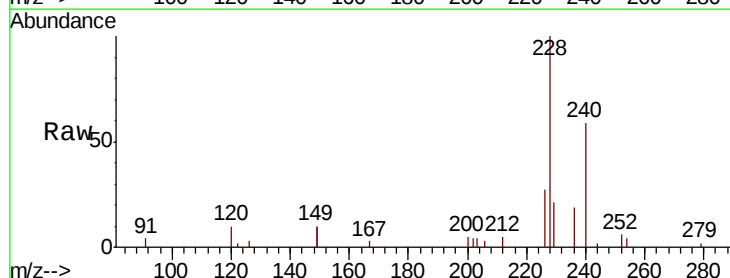
Tgt Ion:228 Resp: 4654

Ion Ratio Lower Upper

228 100

226 27.3 22.5 33.7

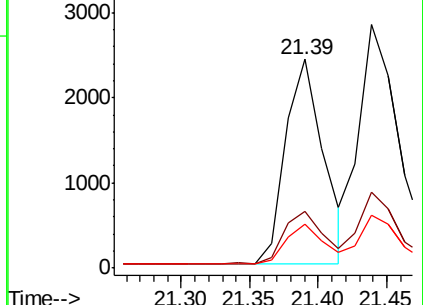
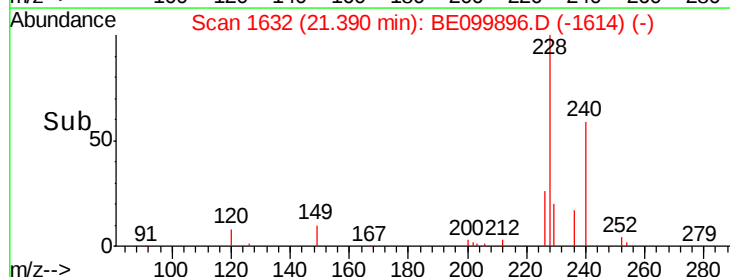
229 21.3 15.9 23.9



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: 0.238 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

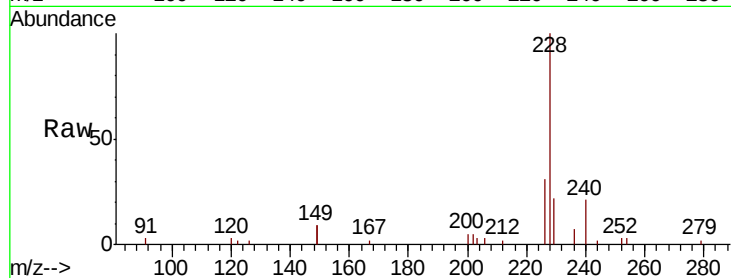
Tgt Ion:228 Resp: 5605

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

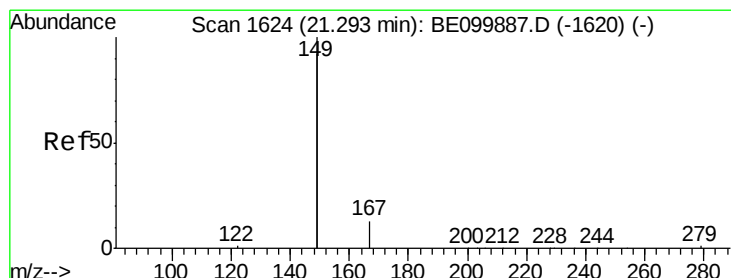
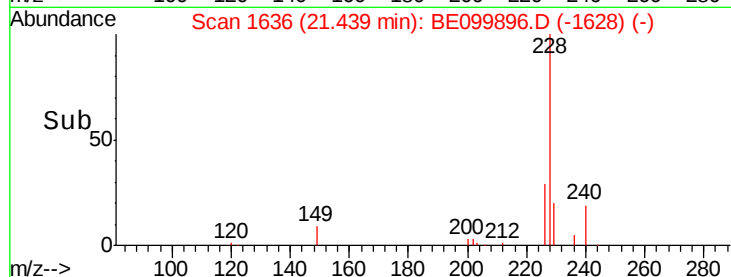
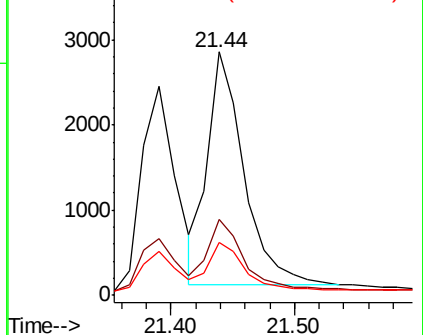
229 21.6 16.1 24.1



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: 0.198 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

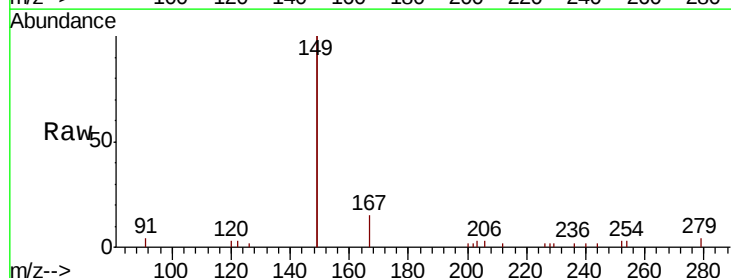
Tgt Ion:149 Resp: 6478

Ion Ratio Lower Upper

149 100

167 7.2 5.9 8.9

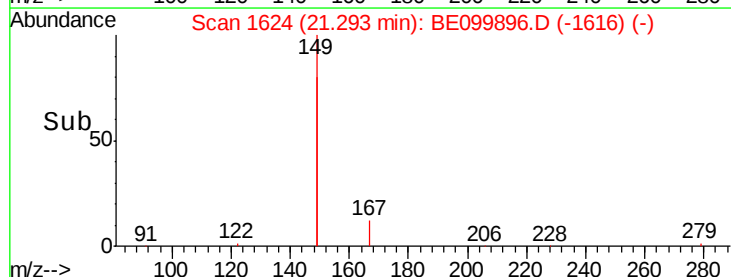
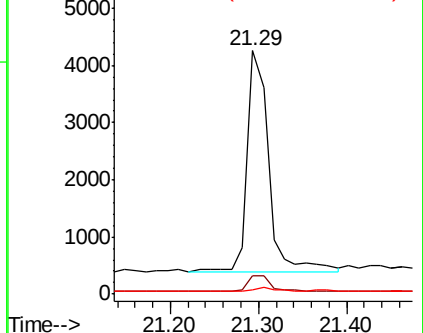
279 1.7 1.2 1.8



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: 0.224 ng

RT: 26.62 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

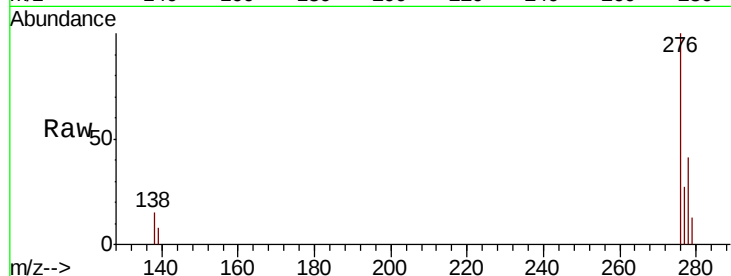
Tgt Ion:276 Resp: 6249

Ion Ratio Lower Upper

276 100

138 11.0 10.1 15.1

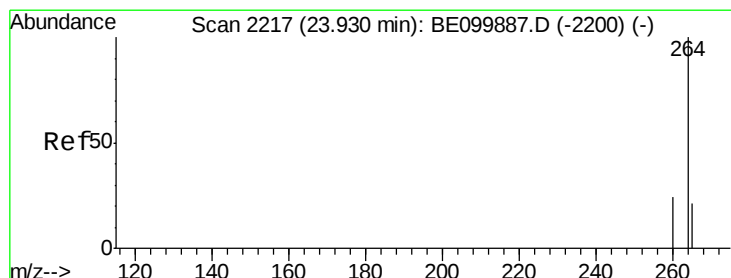
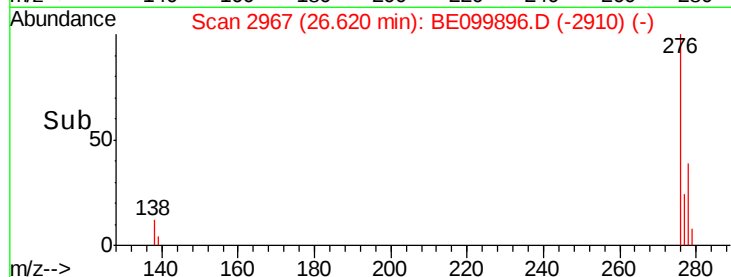
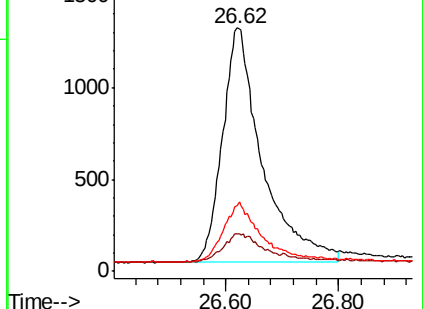
277 24.0 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

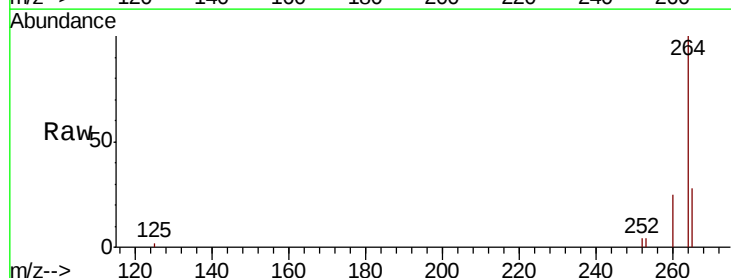
Tgt Ion:264 Resp: 8982

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.2

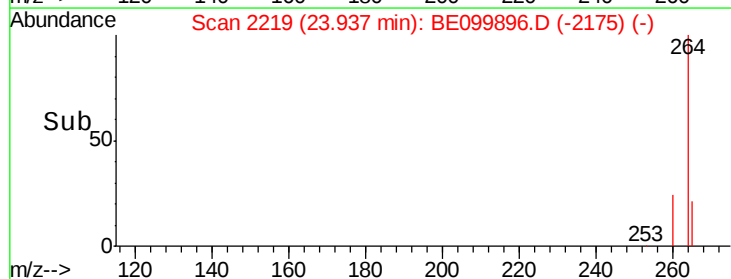
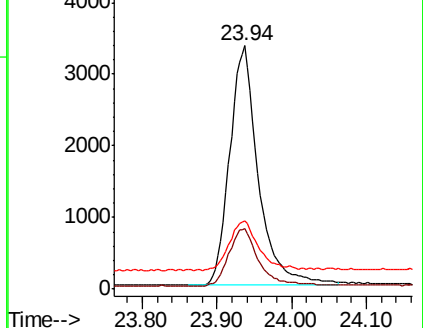
265 28.0 22.0 33.0

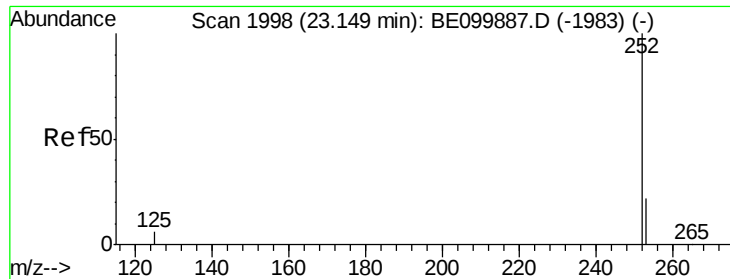


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.227 ng

RT: 23.20 min Scan# 2013

Delta R.T. 0.05 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

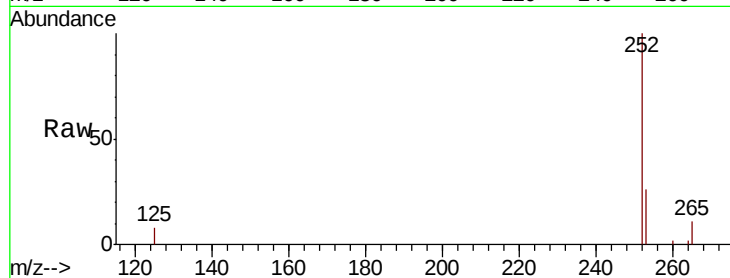
Tgt Ion:252 Resp: 5701

Ion Ratio Lower Upper

252 100

253 25.6 18.7 28.1

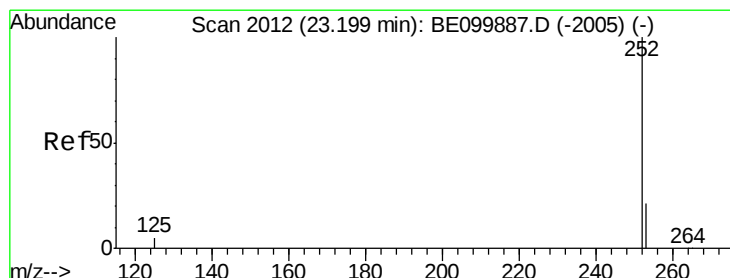
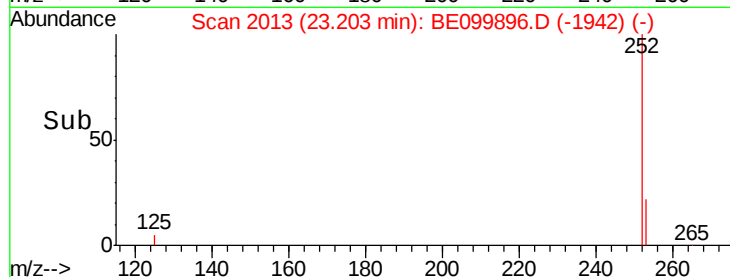
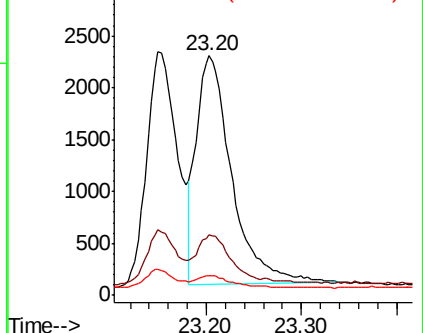
125 8.3 5.7 8.5



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: 0.220 ng

RT: 23.20 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

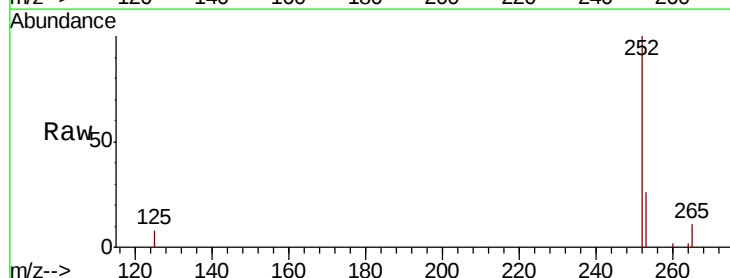
Tgt Ion:252 Resp: 5782

Ion Ratio Lower Upper

252 100

253 25.6 18.6 28.0

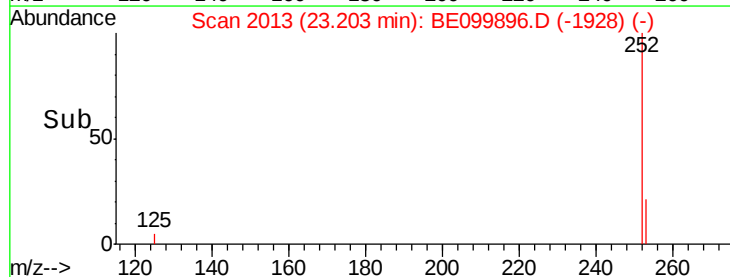
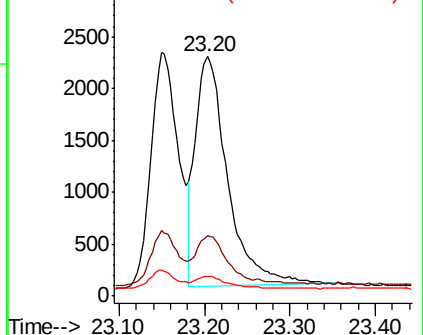
125 8.3 5.4 8.0#



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: 0.218 ng

RT: 23.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

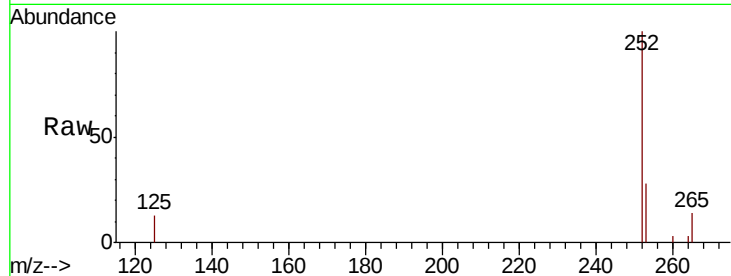
Tgt Ion:252 Resp: 5398

Ion Ratio Lower Upper

252 100

253 28.0 19.6 29.4

125 13.4 6.6 10.0#

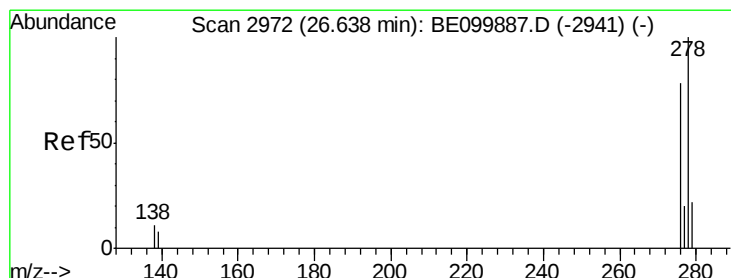
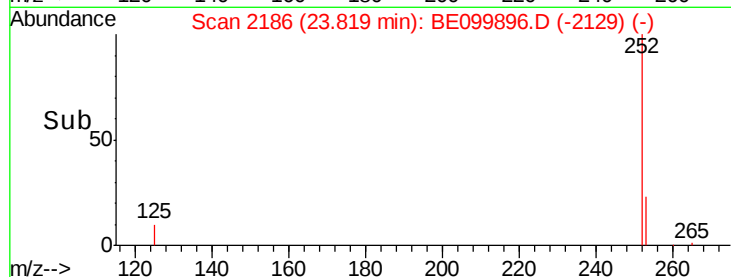
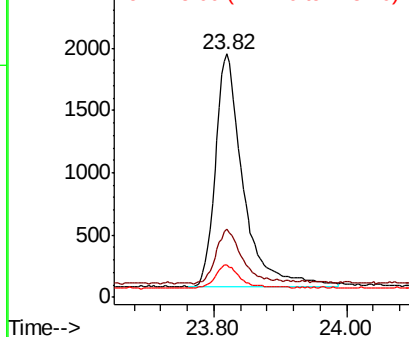


Abundance

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: 0.198 ng

RT: 26.65 min Scan# 2974

Delta R.T. 0.01 min

Lab File: BE099896.D

Acq: 10 Jun 2019 18:44

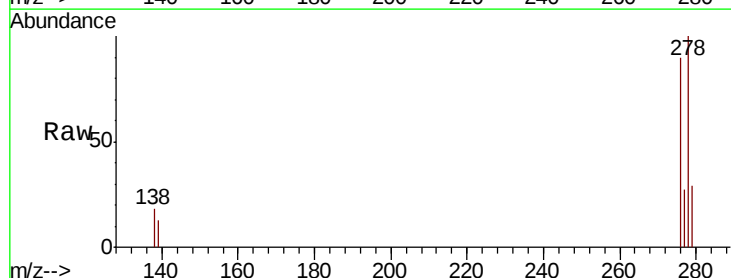
Tgt Ion:278 Resp: 4951

Ion Ratio Lower Upper

278 100

139 12.8 7.8 11.8#

279 28.8 20.0 30.0

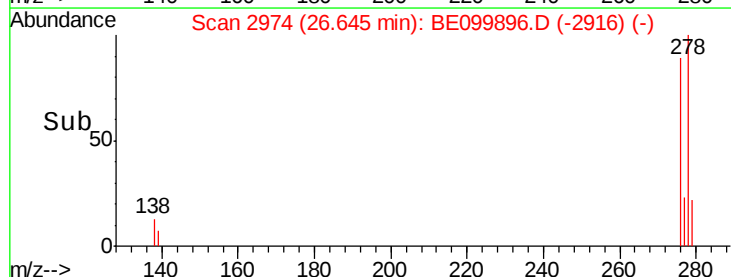
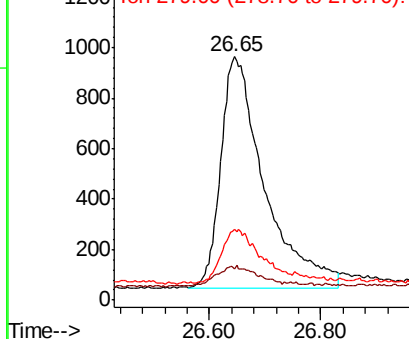


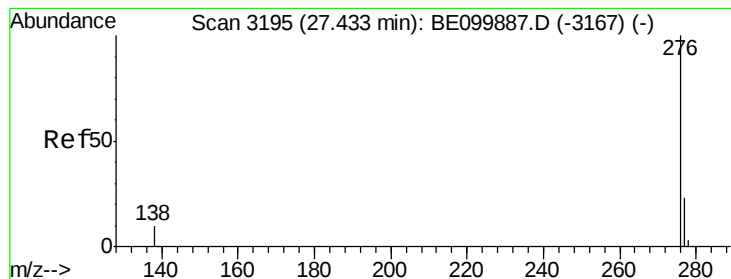
Abundance

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(g,h,i)perylene

Concen: 0.214 ng

RT: 27.44 min Scan# 3197

Delta R.T. 0.01 min

Lab File: BE099896.D

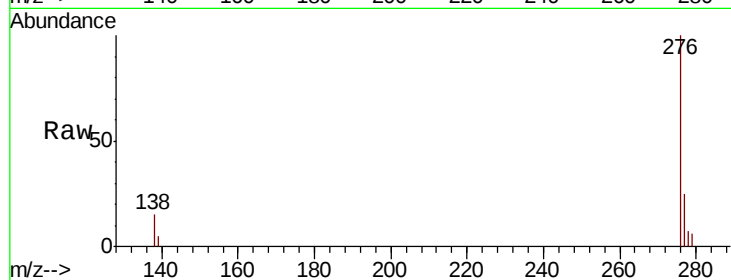
Acq: 10 Jun 2019 18:44

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019



Tgt Ion: 276 Resp: 5514

Ion Ratio Lower Upper

276 100

277 25.2 19.5 29.3

138 14.6 9.5 14.3

