

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
 Data File : BE100235.D
 Acq On : 28 Jun 2019 15:23
 Operator : JU/SJ
 Sample : K2241-02
 Misc : LOQ-S-0.2PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 29 00:00:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	460	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	1636	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	1362	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	4180	0.40	ng	0.01
27) Chrysene-d12	21.24	240	6276	0.40	ng	0.00
34) Perylene-d12	23.67	264	7600	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	507	0.43	ng	0.00
5) Phenol-d6	6.85	99	642	0.42	ng	0.01
8) Nitrobenzene-d5	8.83	82	605	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.06	152	1265	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.84	330	357	0.37	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	2152	0.41	ng	0.01
25) Fluoranthene-d10	19.10	212	24980	0.41	ng	0.00
29) Terphenyl-d14	19.70	244	5499	0.42	ng	0.00

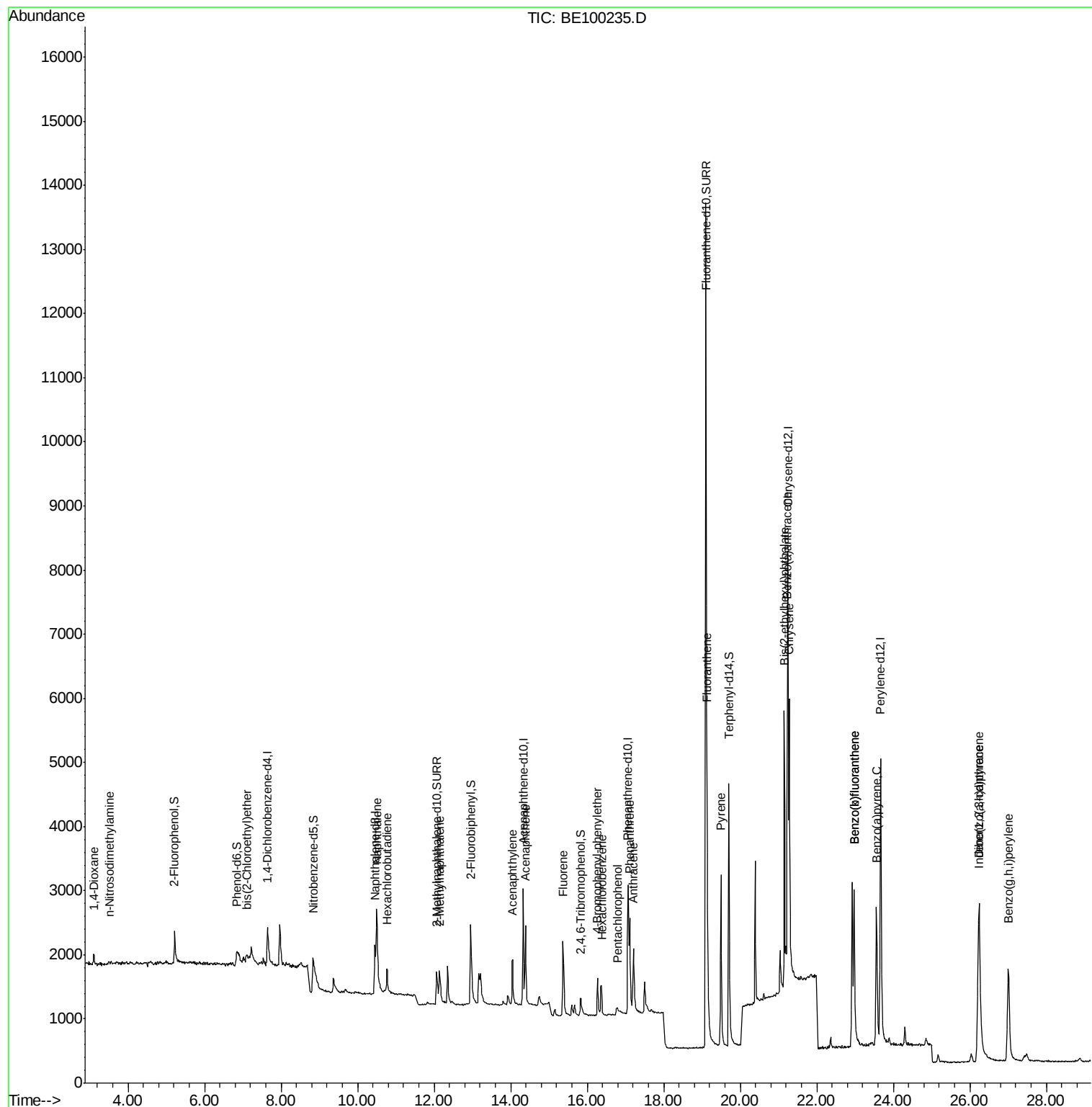
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	182	0.255	ng	90
3) n-Nitrosodimethylamine	3.51	42	41	0.123	ng	# 10
6) bis(2-Chloroethyl)ether	7.10	93	179	0.141	ng	# 91
9) Naphthalene	10.50	128	3582	0.199	ng	# 94
10) Hexachlorobutadiene	10.76	225	337	0.194	ng	96
12) 2-Methylnaphthalene	12.14	142	555	0.175	ng	95
16) Acenaphthylene	14.05	152	1242	0.190	ng	99
17) Acenaphthene	14.38	154	707	0.191	ng	98
18) Fluorene	15.37	166	1018	0.186	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	492	0.184	ng	# 87
21) Hexachlorobenzene	16.37	284	516	0.186	ng	99
22) Pentachlorophenol	16.79	266	253	0.304	ng	91
23) Phenanthrene	17.11	178	1870	0.185	ng	99
24) Anthracene	17.20	178	1573	0.172	ng	99
26) Fluoranthene	19.13	202	3091	0.192	ng	98
28) Pyrene	19.49	202	3201	0.193	ng	99
30) Benzo(a)anthracene	21.23	228	3722	0.180	ng	98
31) Chrysene	21.28	228	4104	0.198	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	5123	0.118	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	4906	0.179	ng	98
35) Benzo(b)fluoranthene	22.97	252	4348	0.211	ng	99
36) Benzo(k)fluoranthene	22.97	252	4348	0.189	ng	# 95
37) Benzo(a)pyrene	23.56	252	4166	0.202	ng	# 84
38) Dibenzo(a,h)anthracene	26.25	278	3957	0.183	ng	# 91
39) Benzo(g,h,i)perylene	27.01	276	4298	0.194	ng	97

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

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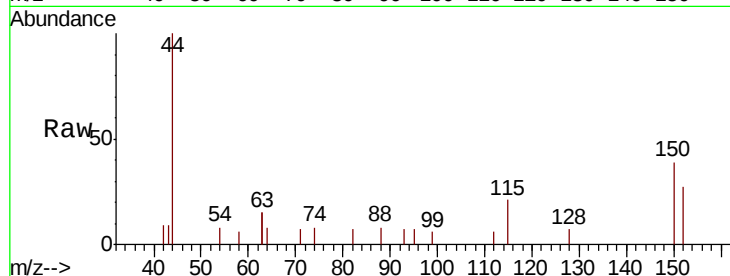


#1

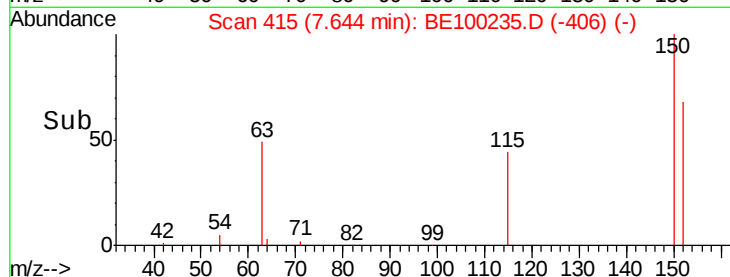
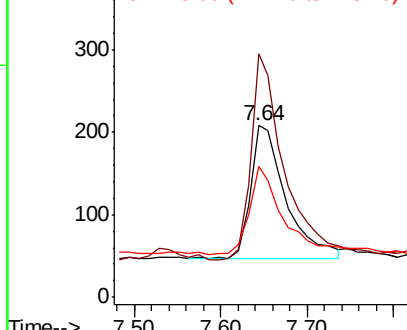
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

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

Tgt Ion:152 Resp: 460
Ion Ratio Lower Upper
152 100
150 141.8 114.5 171.7
115 76.4 57.1 85.7



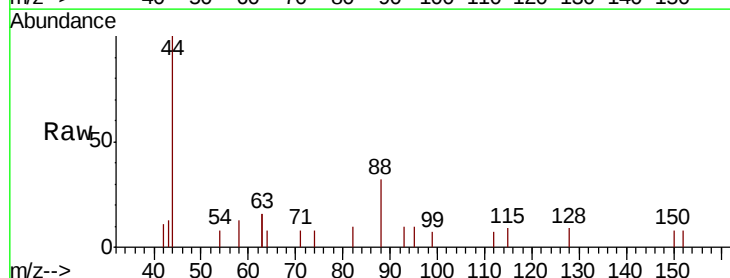
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



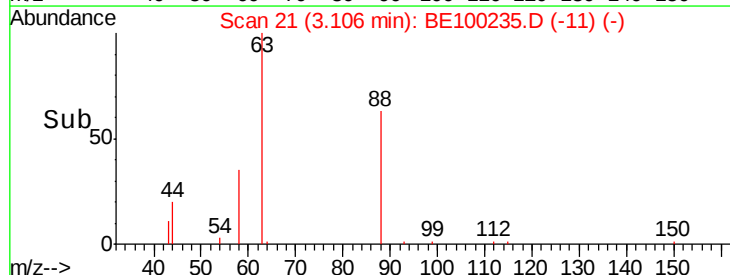
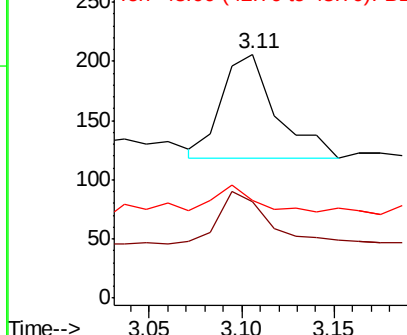
#2

1,4-Dioxane
Concen: 0.255 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion: 88 Resp: 182
Ion Ratio Lower Upper
88 100
58 45.6 43.6 65.4
43 24.2 21.4 32.0



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.123 ng

RT: 3.51 min Scan# 56

Delta R.T. 0.05 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

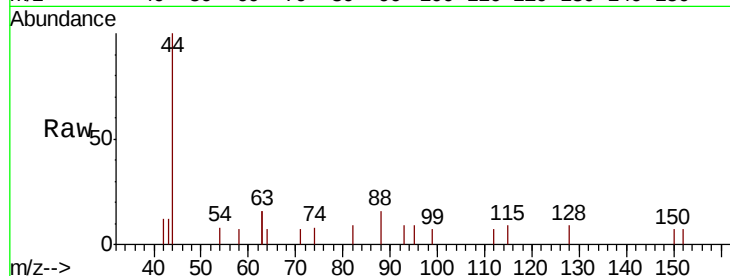
Tgt Ion: 42 Resp: 41

Ion Ratio Lower Upper

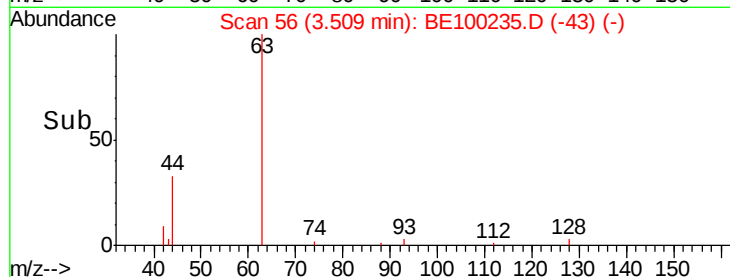
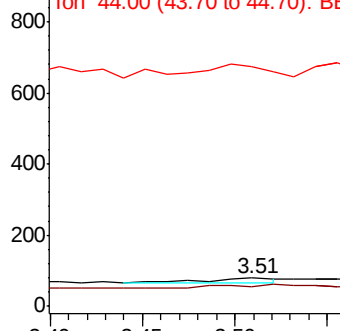
42 100

74 51.2 130.6 196.0#

44 122.0 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.432 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

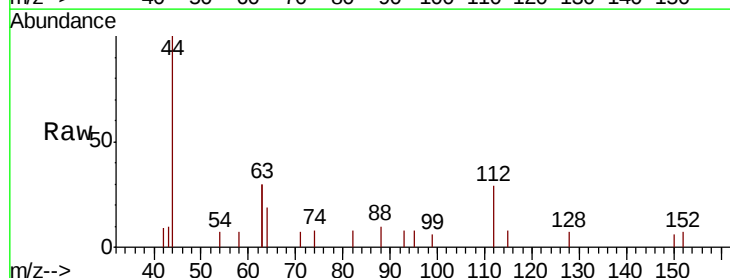
Tgt Ion: 112 Resp: 507

Ion Ratio Lower Upper

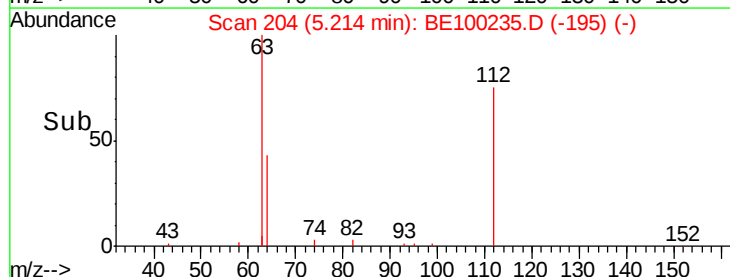
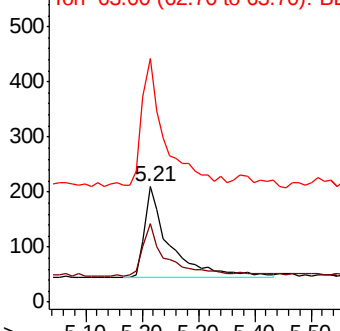
112 100

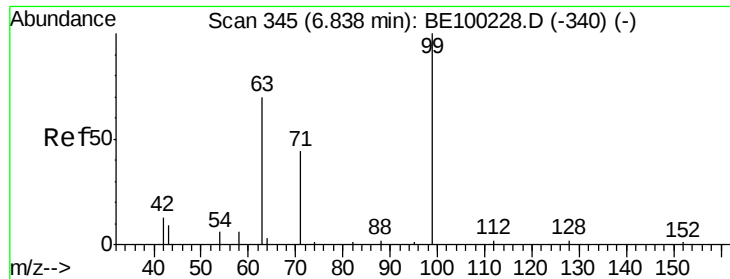
64 54.2 39.4 59.0

63 128.2 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.416 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

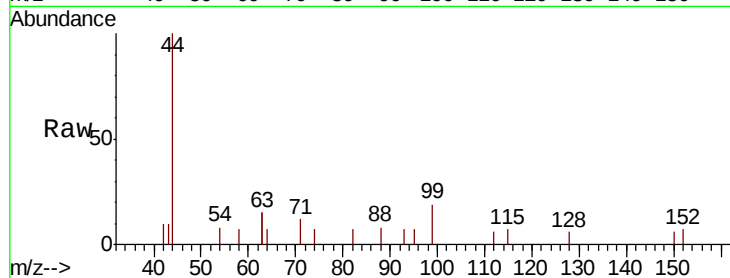
Tgt Ion: 99 Resp: 642

Ion Ratio Lower Upper

99 100

42 18.2 11.2 16.8#

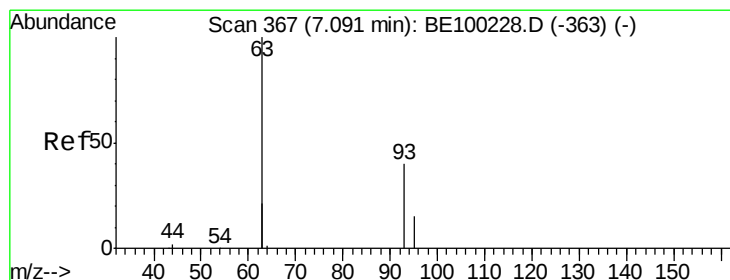
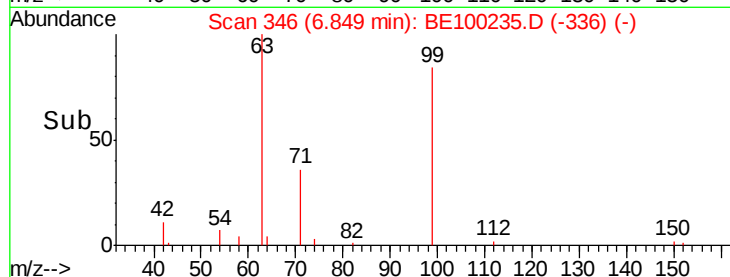
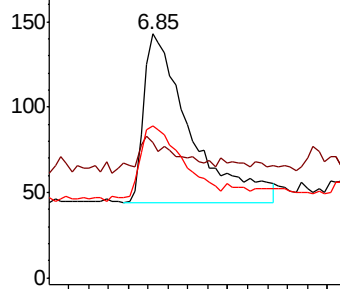
71 42.5 37.2 55.8



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.141 ng

RT: 7.10 min Scan# 368

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

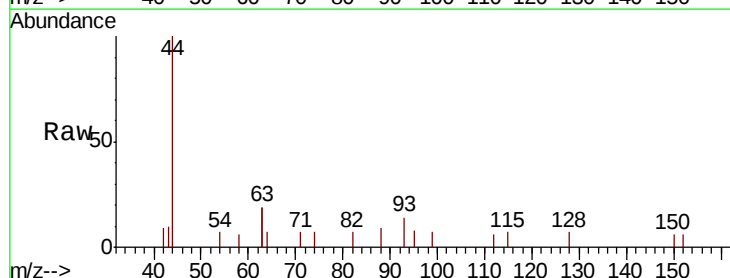
Tgt Ion: 93 Resp: 179

Ion Ratio Lower Upper

93 100

63 198.3 155.6 233.4

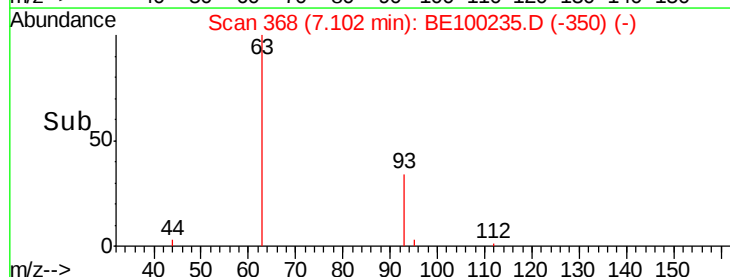
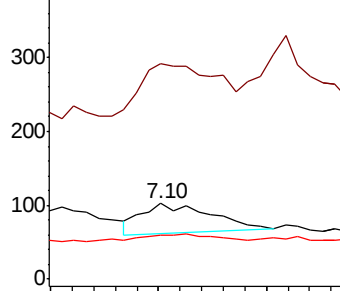
95 0.0 23.0 34.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 136 Resp: 1636

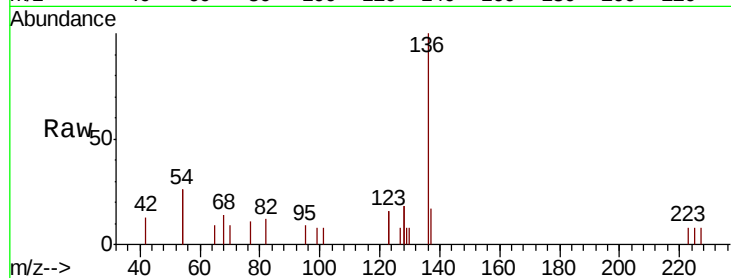
Ion Ratio Lower Upper

136 100

137 17.2 11.8 17.8

54 52.3 27.7 41.5#

68 13.7 6.8 10.2#

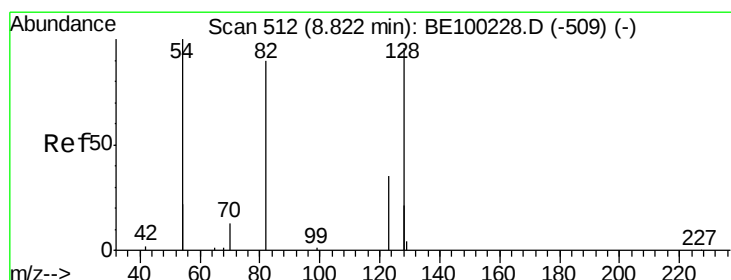
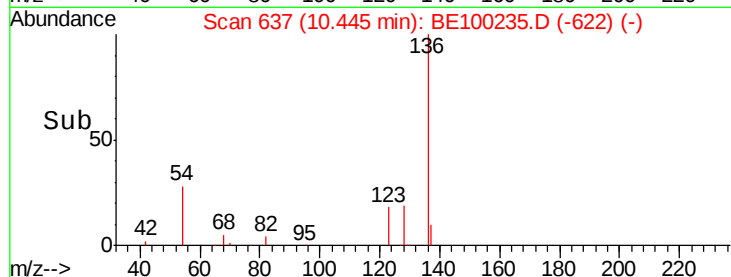
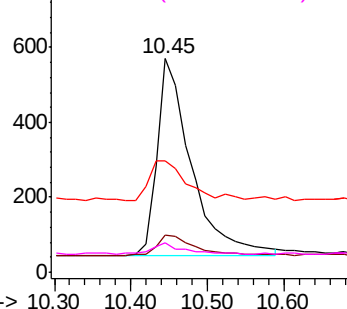


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.372 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

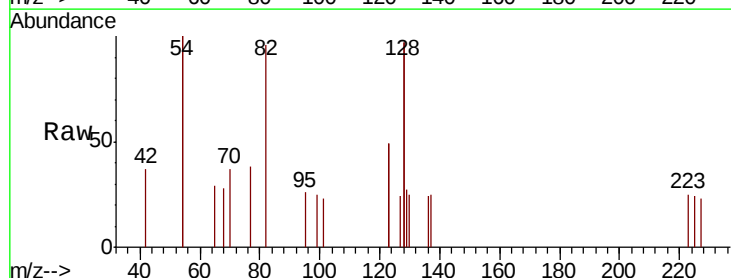
Tgt Ion: 82 Resp: 605

Ion Ratio Lower Upper

82 100

128 201.1 140.9 211.3

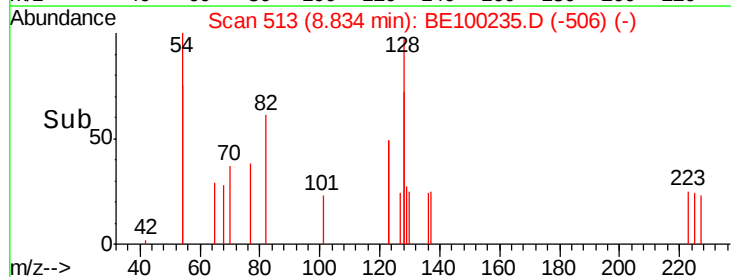
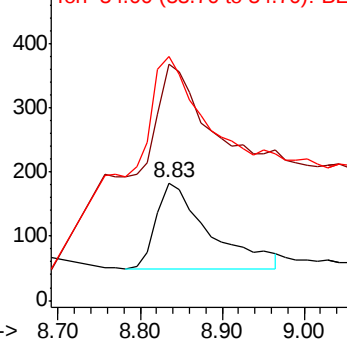
54 207.7 146.2 219.2

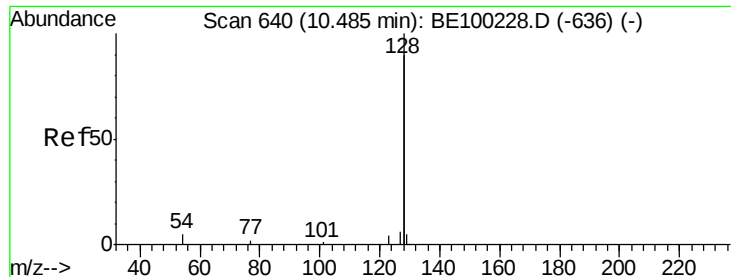


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.199 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT2-2019

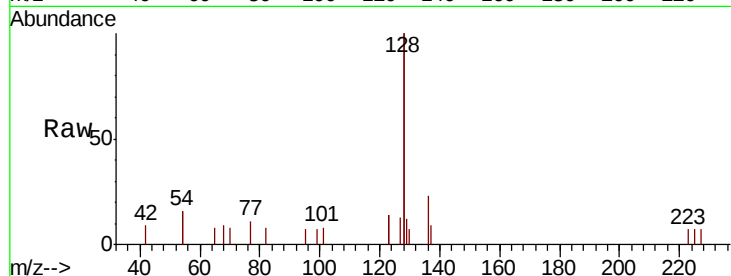
Tgt Ion:128 Resp: 3582

Ion Ratio Lower Upper

128 100

129 6.0 3.0 4.6#

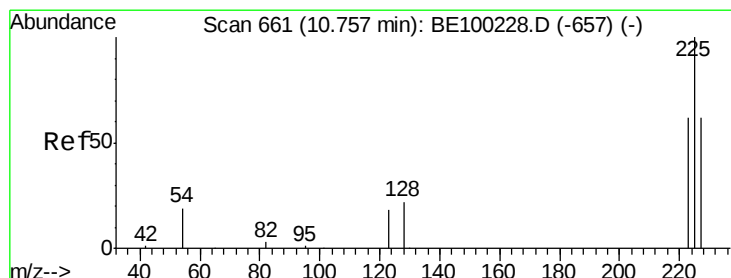
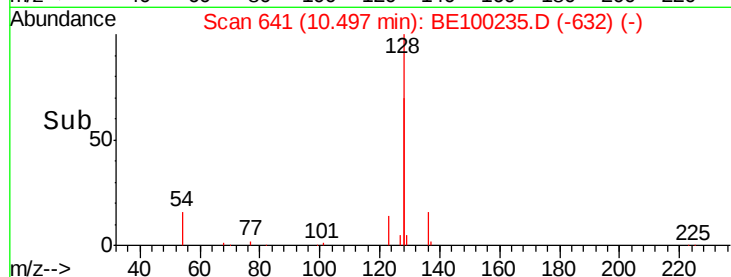
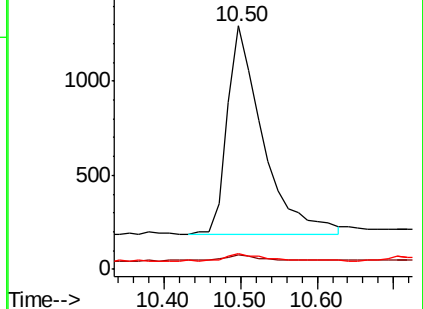
127 6.3 3.5 5.3#



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: 0.194 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

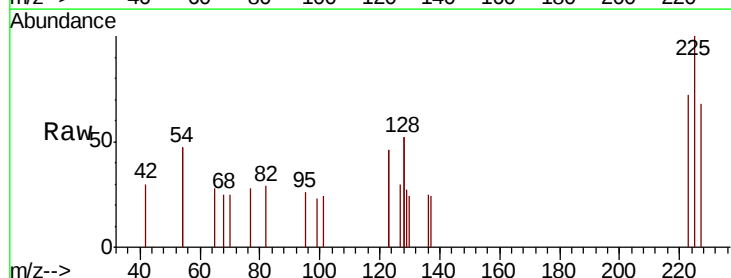
Tgt Ion:225 Resp: 337

Ion Ratio Lower Upper

225 100

223 65.0 49.1 73.7

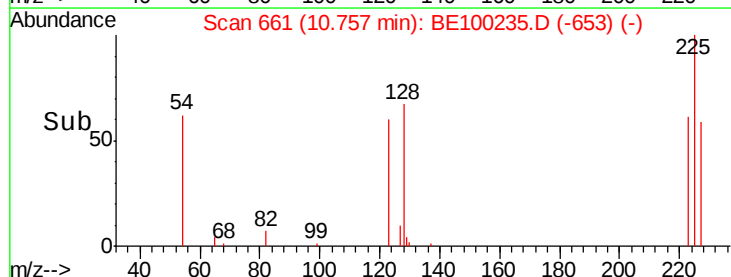
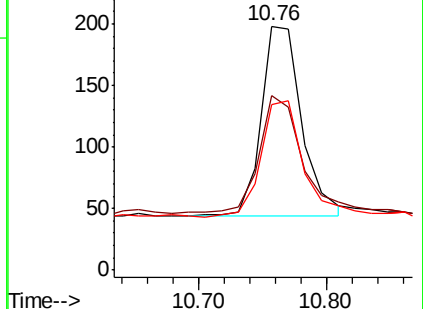
227 63.8 49.3 73.9

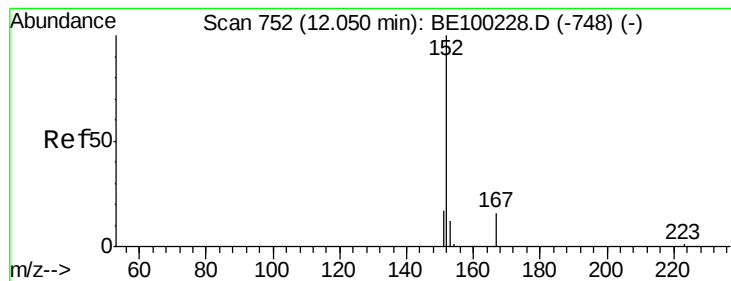


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.411 ng

RT: 12.06 min Scan# 753

Delta R.T. 0.01 min

Lab File: BE100235.D

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ClientSampleId :

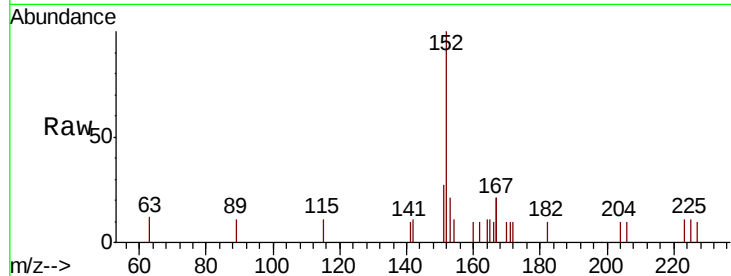
LOQ-SOIL-02-QT2-2019

Tgt Ion:152 Resp: 1265

Ion Ratio Lower Upper

152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.06

400

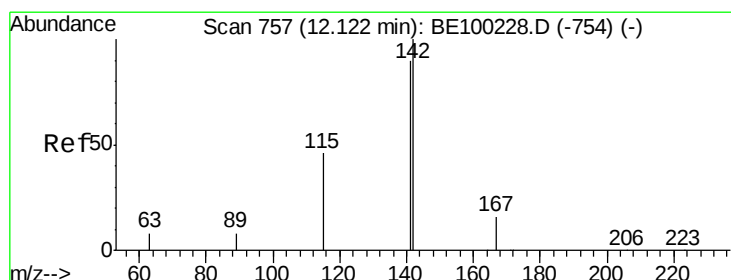
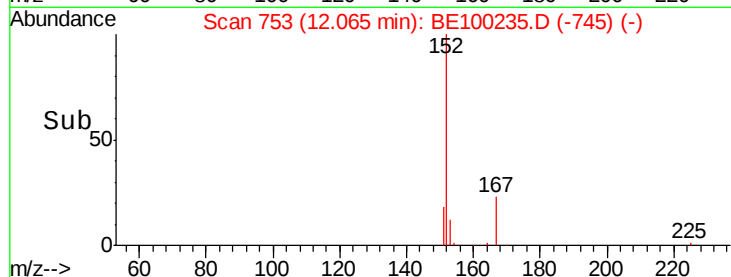
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.175 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

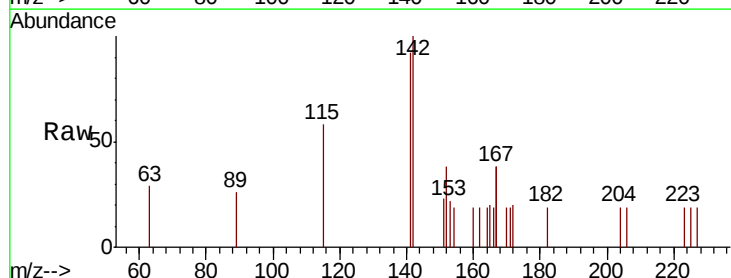
Tgt Ion:142 Resp: 555

Ion Ratio Lower Upper

142 100

141 92.2 72.4 108.6

115 58.2 40.4 60.6



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

12.14

300

250

200

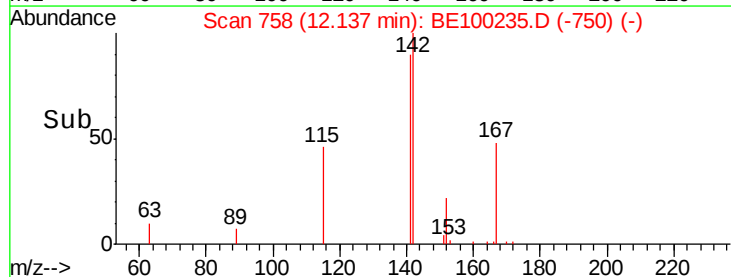
150

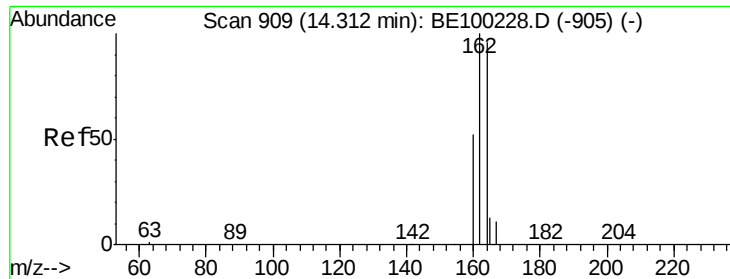
100

50

0

Time-->

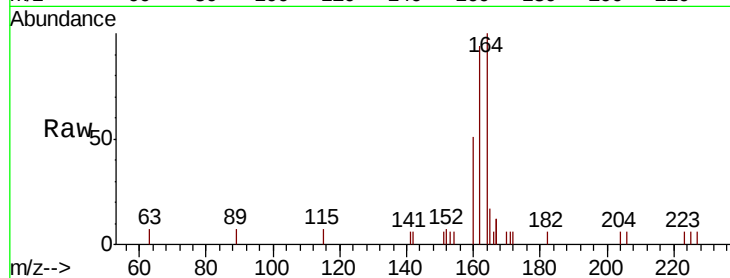




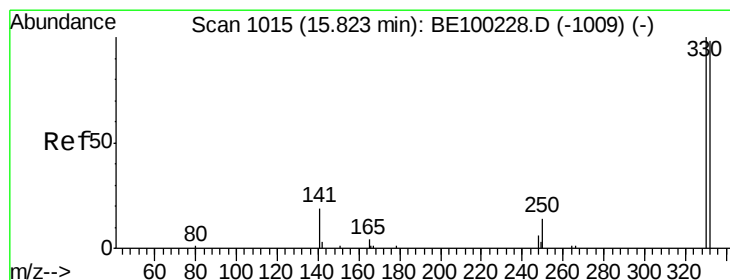
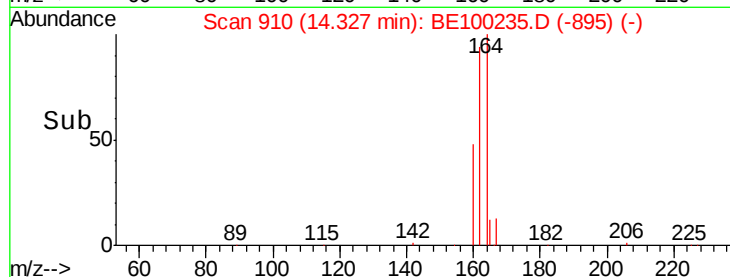
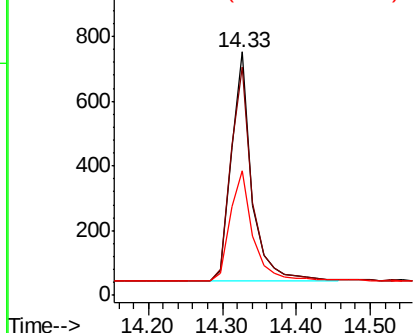
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

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

Tgt Ion:164 Resp: 1362
 Ion Ratio Lower Upper
 164 100
 162 93.9 83.4 125.0
 160 51.3 45.0 67.6

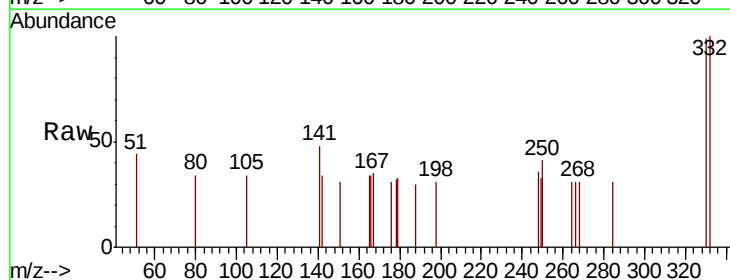


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

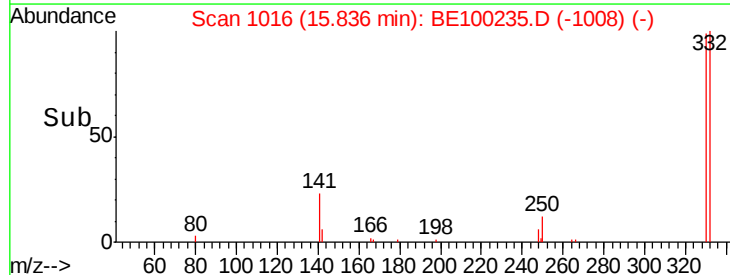
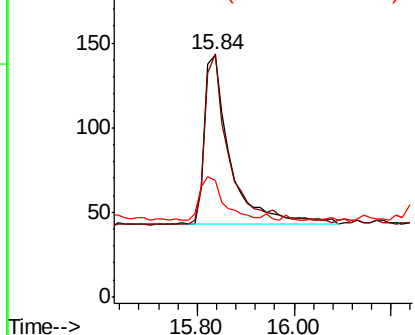


#14
 2,4,6-Tribromophenol
 Concen: 0.375 ng
 RT: 15.84 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

Tgt Ion:330 Resp: 357
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.4
 141 24.1 22.0 33.0



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

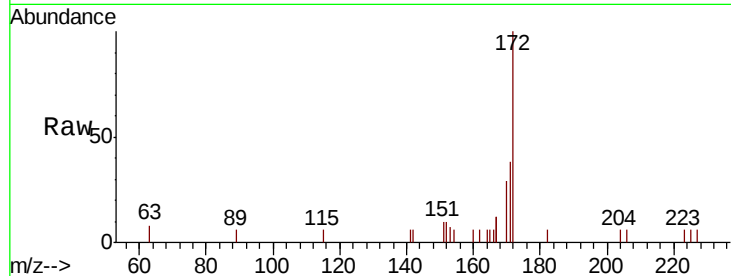




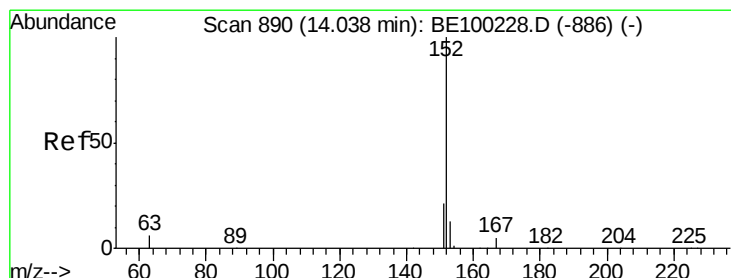
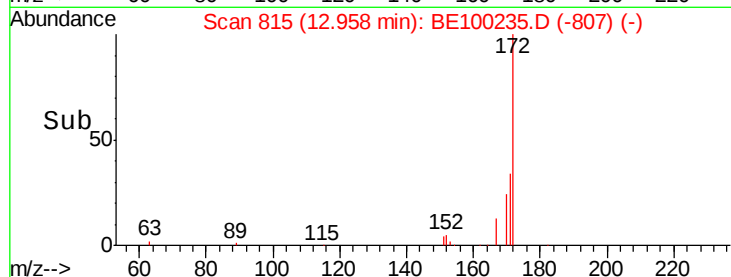
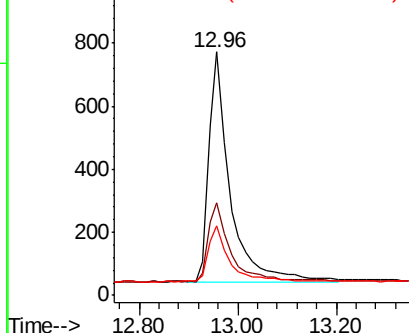
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.96 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

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

Tgt Ion:172 Resp: 2152
Ion Ratio Lower Upper
172 100
171 38.0 31.9 47.9
170 28.6 22.2 33.2

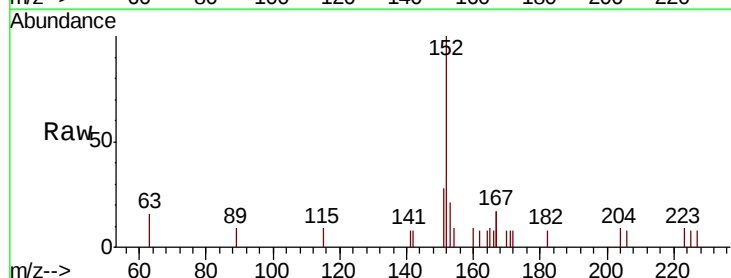


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

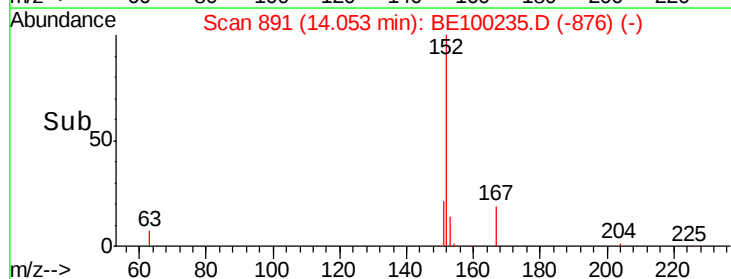
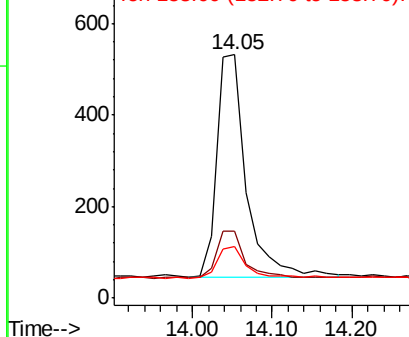


#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.05 min Scan# 891
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:152 Resp: 1242
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0
153 14.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

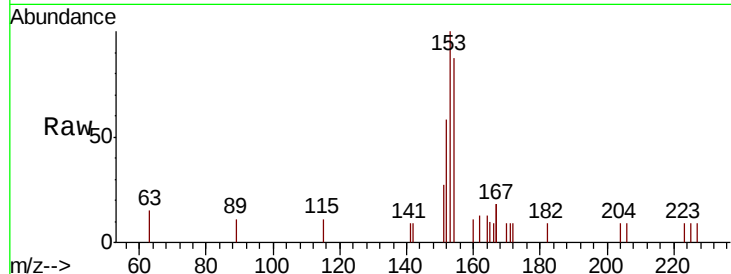




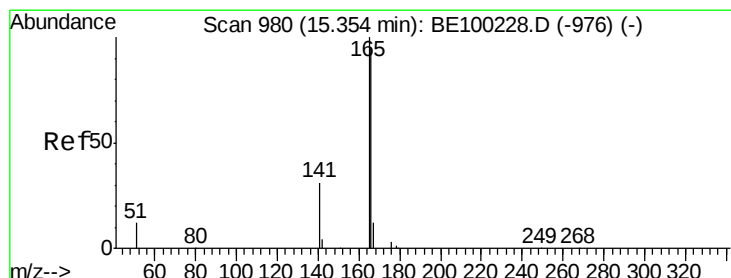
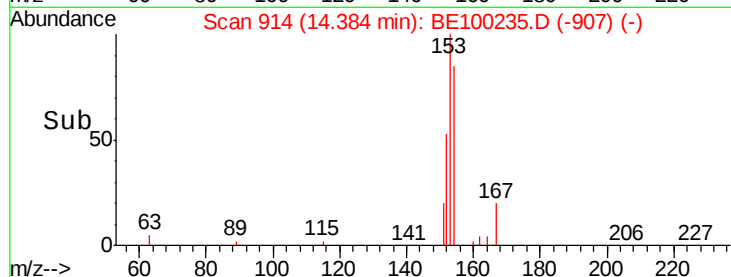
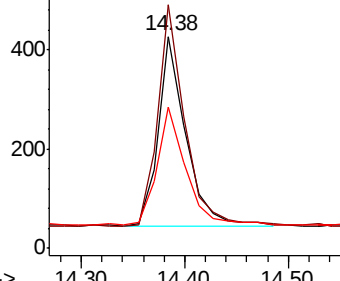
#17
Acenaphthene
Concen: 0.191 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

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

Tgt Ion:154 Resp: 707
Ion Ratio Lower Upper
154 100
153 116.4 93.4 140.2
152 65.3 49.4 74.2

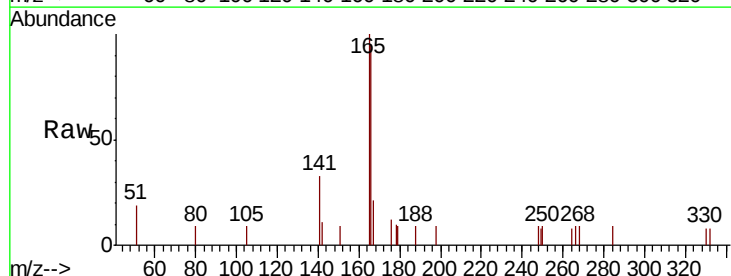


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

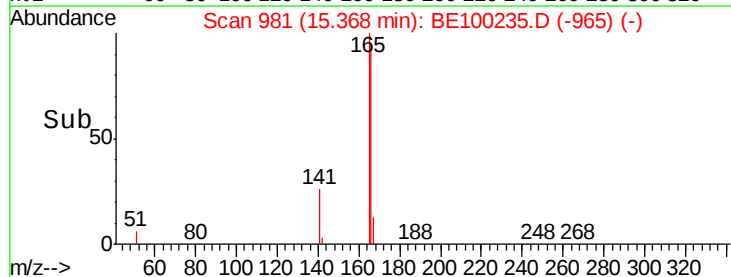
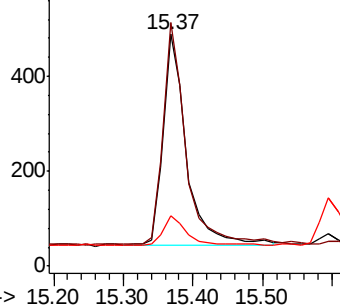


#18
Fluorene
Concen: 0.186 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:166 Resp: 1018
Ion Ratio Lower Upper
166 100
165 102.5 81.1 121.7
167 13.9 10.7 16.1



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: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

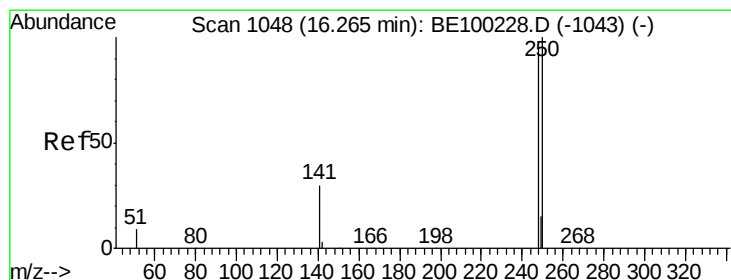
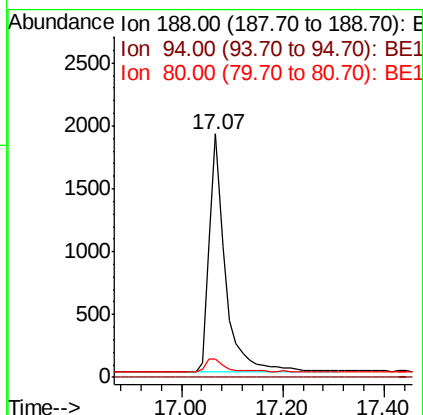
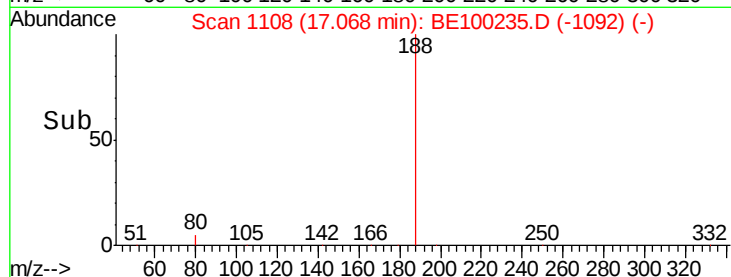
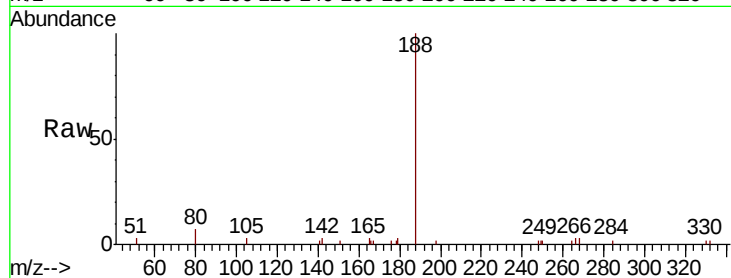
Tgt Ion:188 Resp: 4180

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.5 7.6 11.4#



#20

4-Bromophenyl-phenylether

Concen: 0.184 ng

RT: 16.26 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

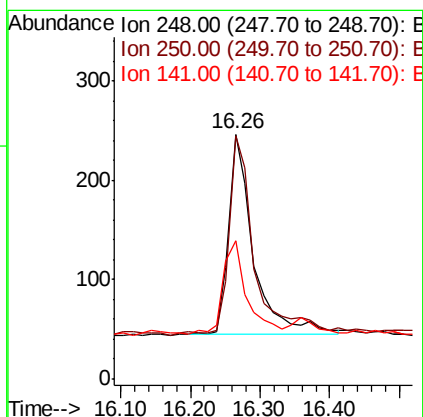
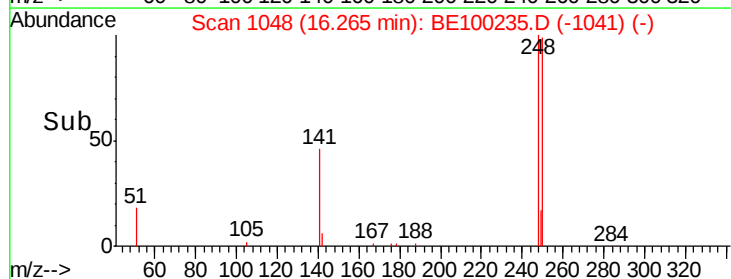
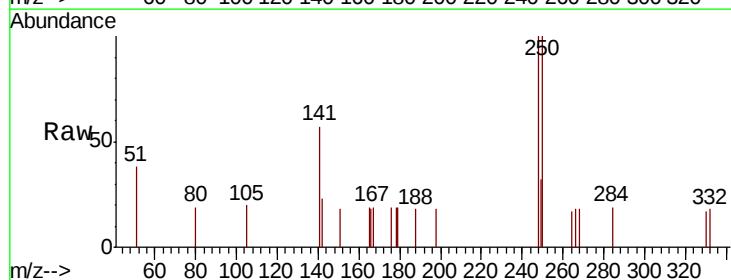
Tgt Ion:248 Resp: 492

Ion Ratio Lower Upper

248 100

250 99.6 84.2 126.4

141 56.5 29.3 43.9#

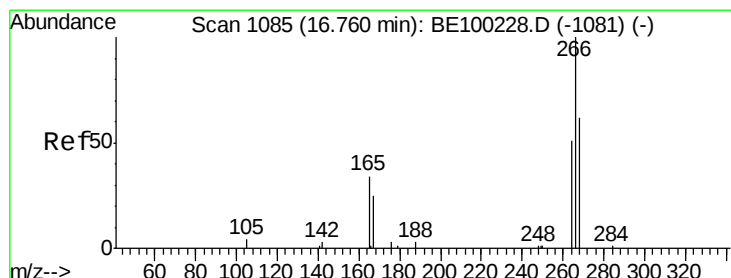
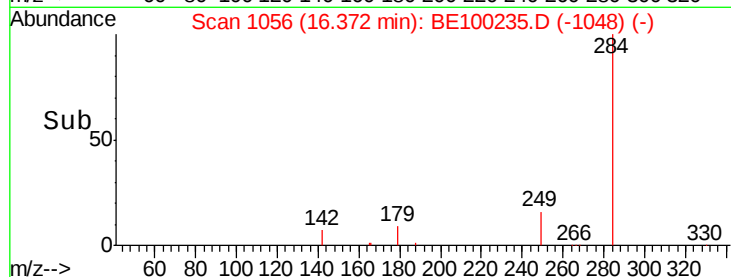
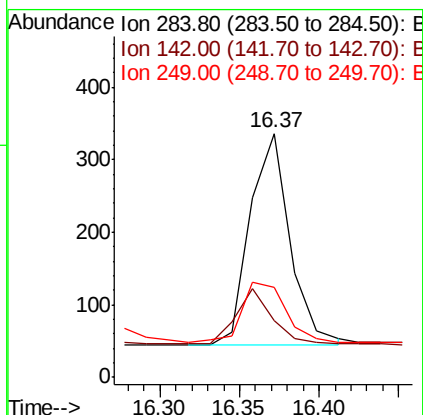
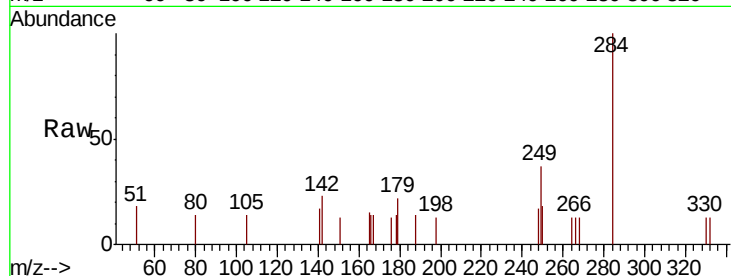




#21
Hexachlorobenzene
Concen: 0.186 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

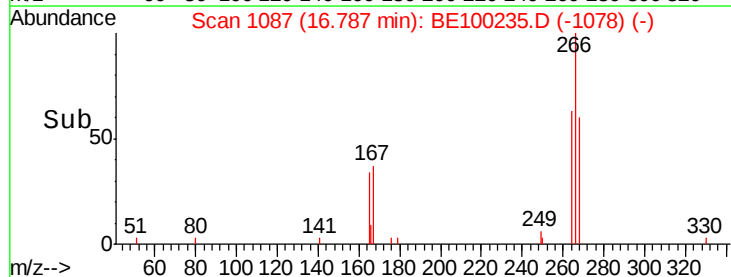
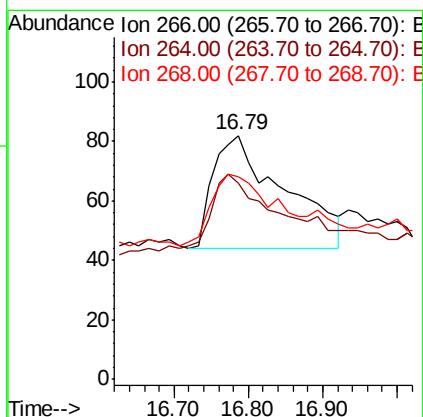
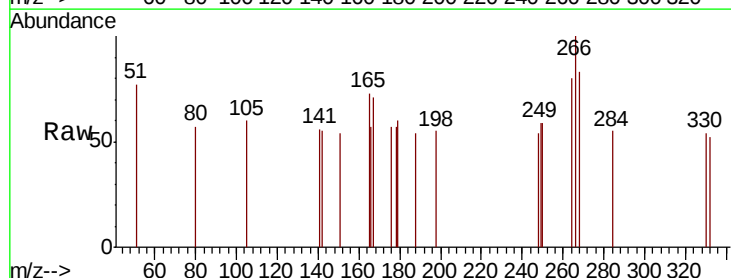
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

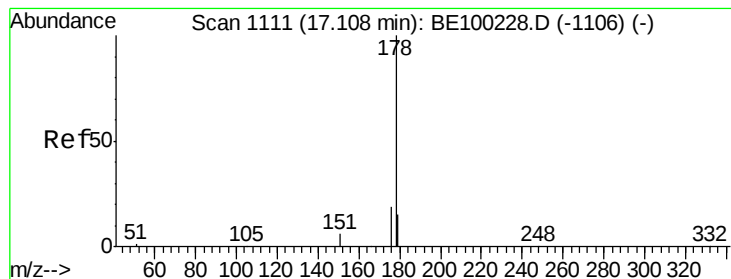
Tgt Ion:284 Resp: 516
Ion Ratio Lower Upper
284 100
142 23.3 18.8 28.2
249 30.2 23.7 35.5



#22
Pentachlorophenol
Concen: 0.304 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.03 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:266 Resp: 253
Ion Ratio Lower Upper
266 100
264 80.5 56.2 84.2
268 82.9 61.8 92.6





#23

Phenanthrene

Concen: 0.185 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

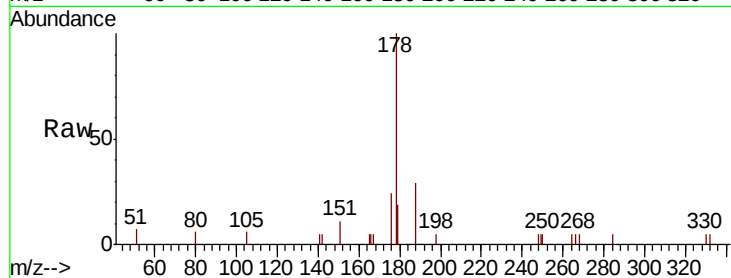
Tgt Ion:178 Resp: 1870

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

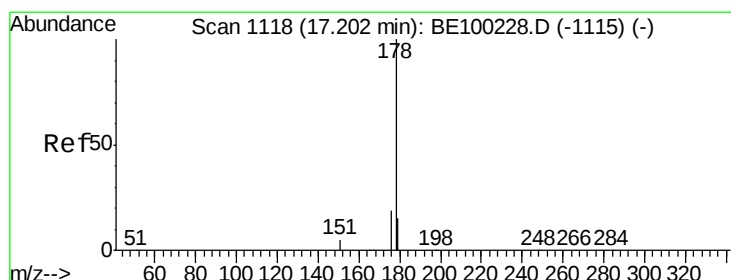
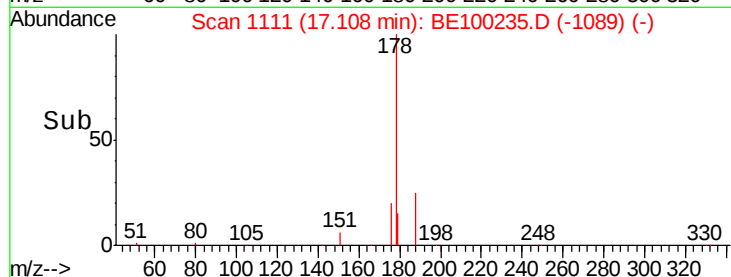
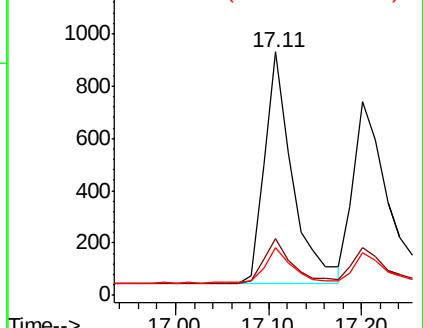
179 15.8 12.2 18.2



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: 0.172 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

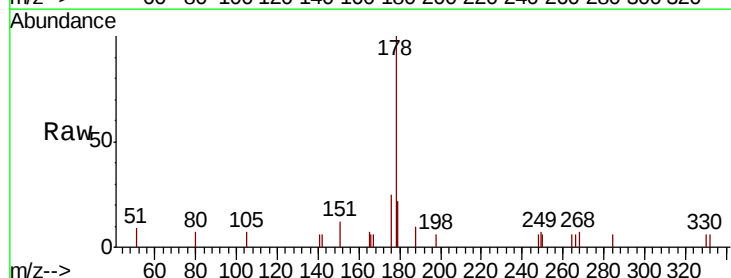
Tgt Ion:178 Resp: 1573

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

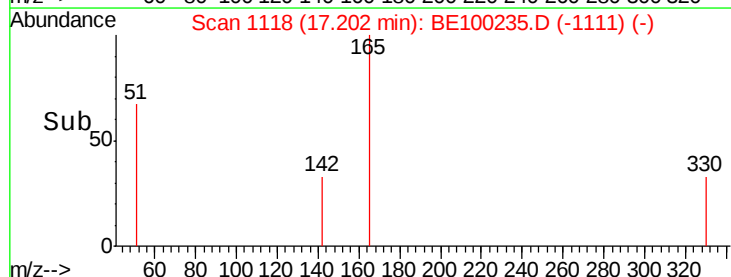
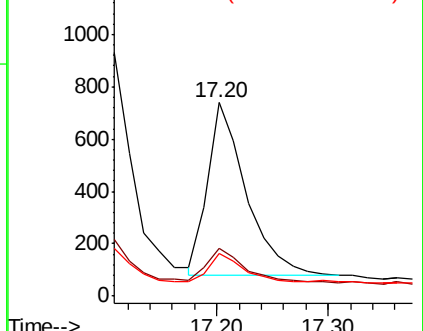
179 15.4 12.2 18.2

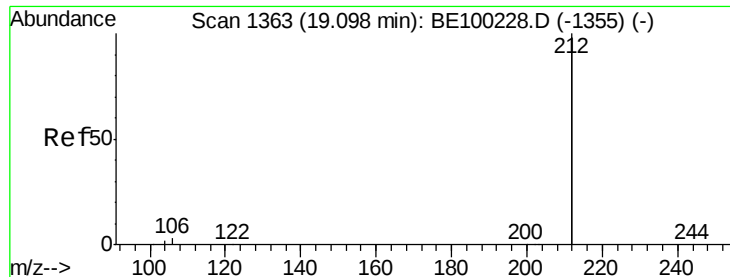


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

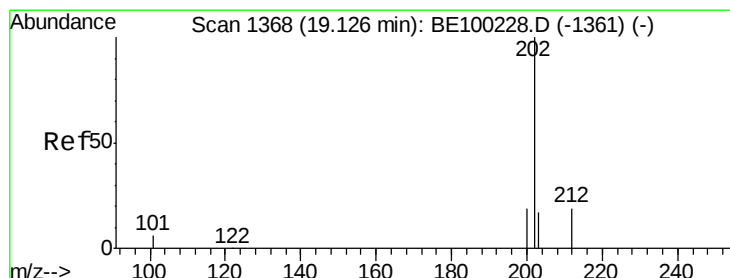
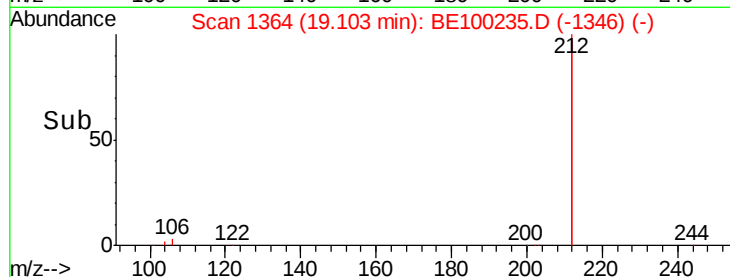
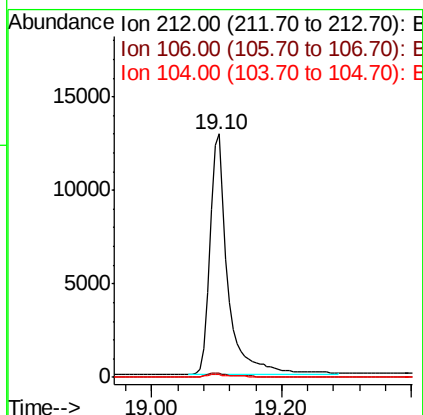
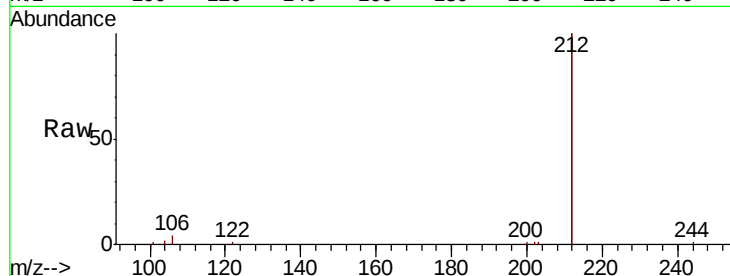




#25
Fluoranthene-d10
Concen: 0.412 ng
RT: 19.10 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

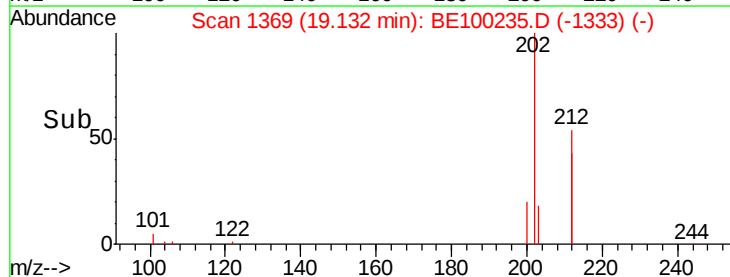
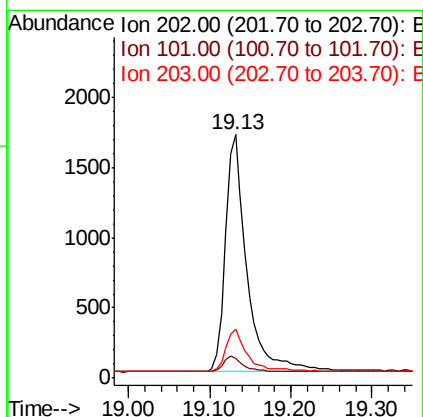
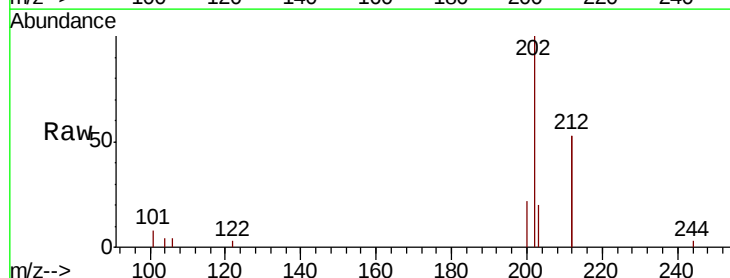
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

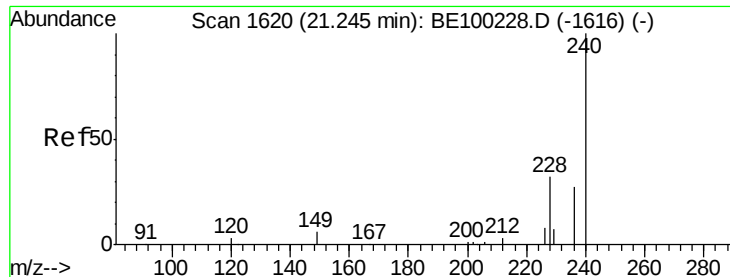
Tgt Ion:212 Resp: 24980
Ion Ratio Lower Upper
212 100
106 1.6 1.3 1.9
104 0.9 0.8 1.2



#26
Fluoranthene
Concen: 0.192 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:202 Resp: 3091
Ion Ratio Lower Upper
202 100
101 6.3 4.6 7.0
203 17.8 13.7 20.5

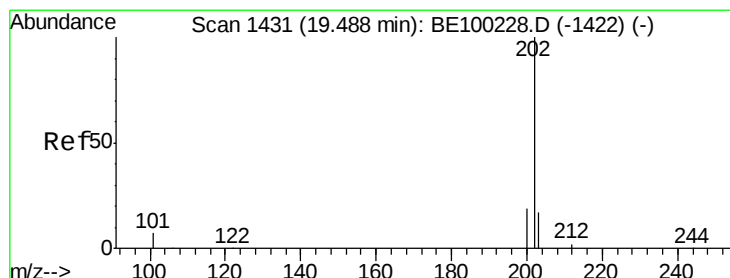
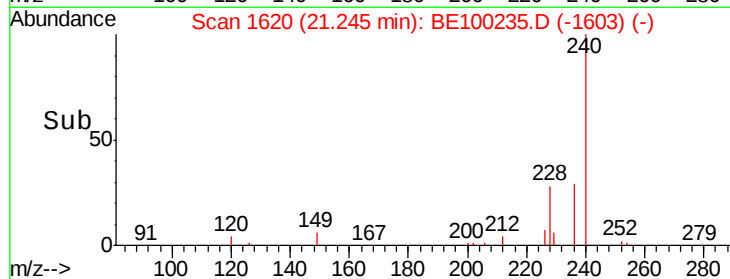
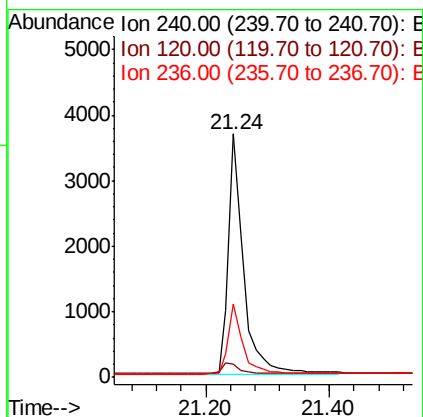
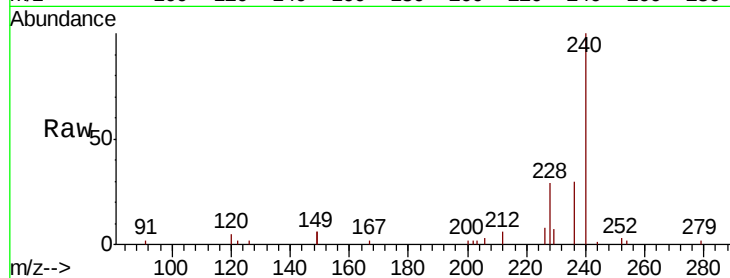




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

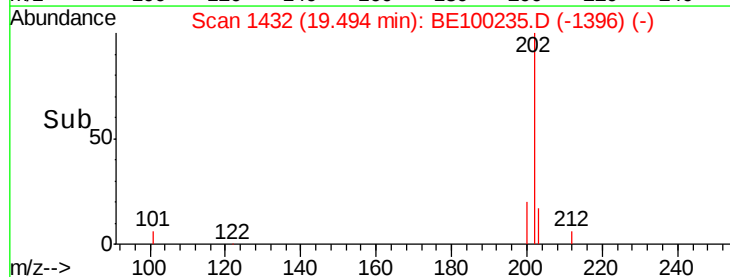
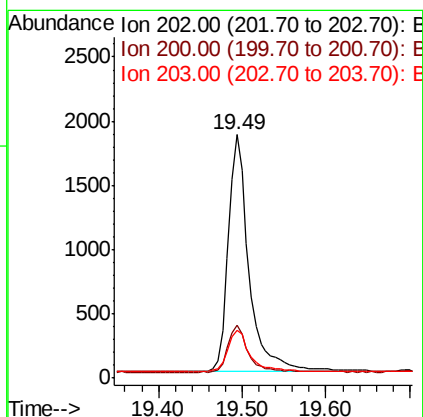
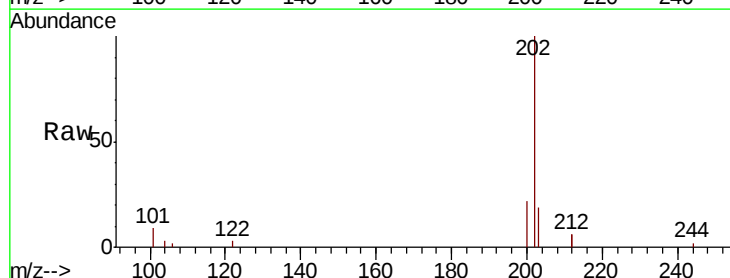
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:240 Resp: 6276
Ion Ratio Lower Upper
240 100
120 5.4 3.3 4.9#
236 30.1 22.6 34.0



#28
Pyrene
Concen: 0.193 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:202 Resp: 3201
Ion Ratio Lower Upper
202 100
200 19.6 15.6 23.4
203 18.2 14.0 21.0





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.70 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

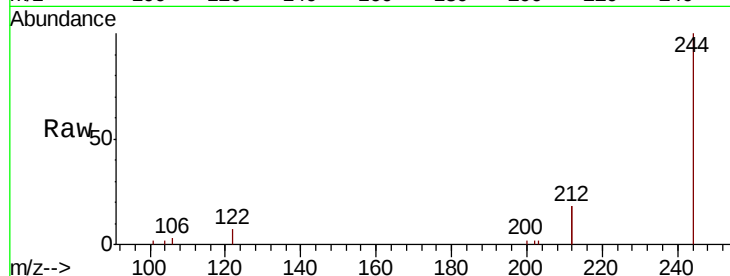
Tgt Ion:244 Resp: 5499

Ion Ratio Lower Upper

244 100

212 35.7 27.3 40.9

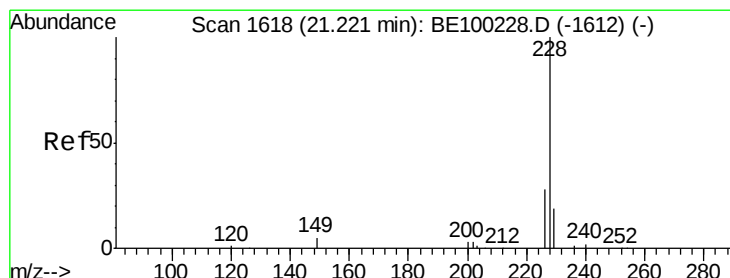
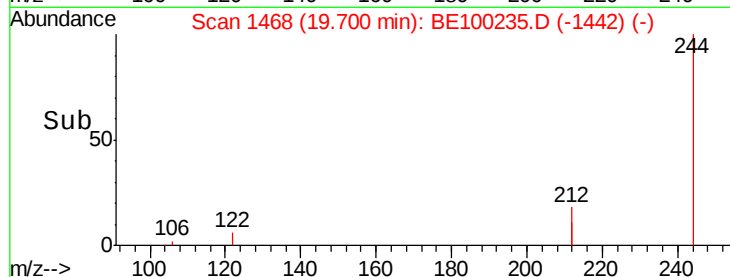
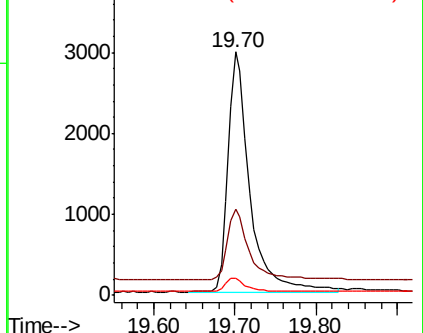
122 7.0 4.7 7.1



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: 0.180 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

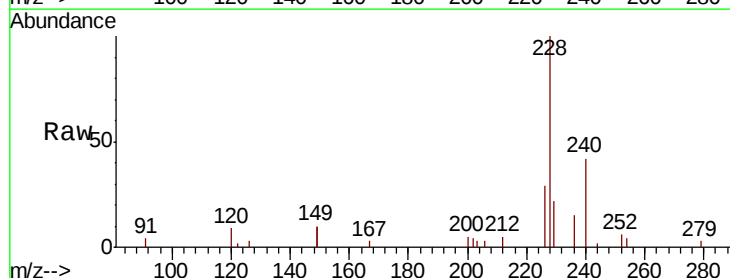
Tgt Ion:228 Resp: 3722

Ion Ratio Lower Upper

228 100

226 28.5 23.2 34.8

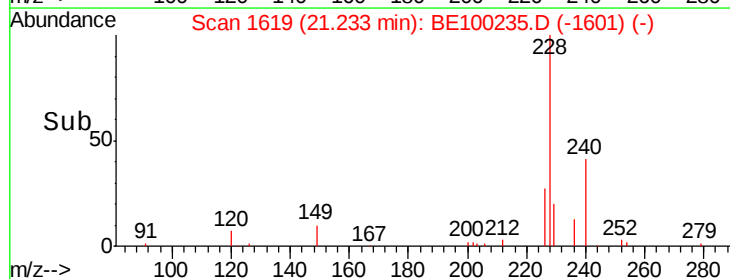
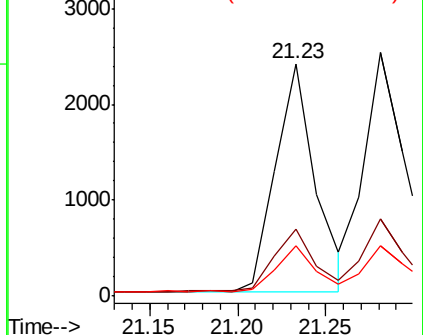
229 21.7 15.7 23.5

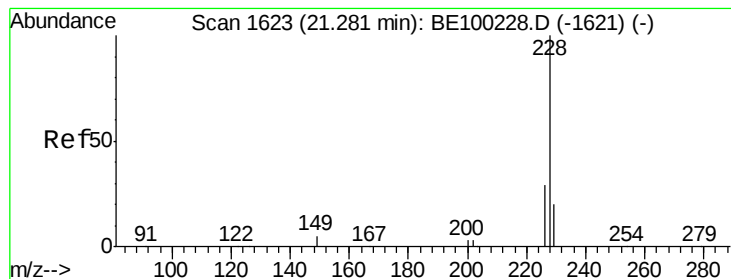


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.198 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

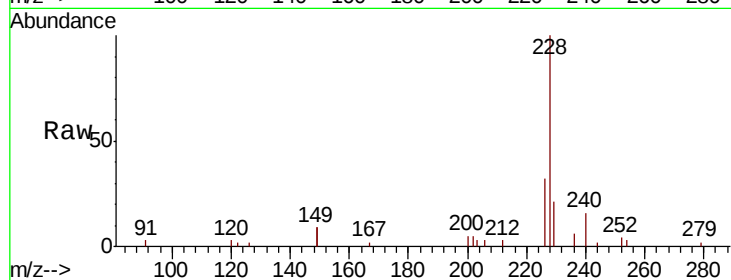
Tgt Ion:228 Resp: 4104

Ion Ratio Lower Upper

228 100

226 31.9 23.9 35.9

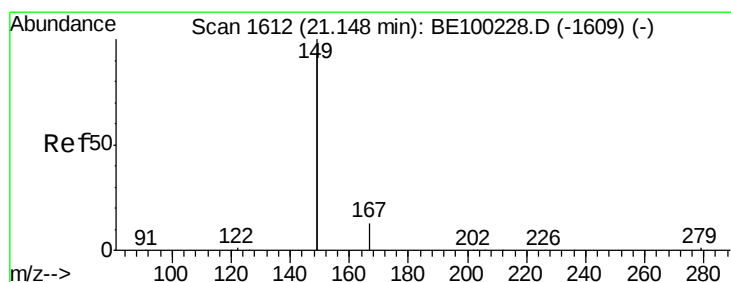
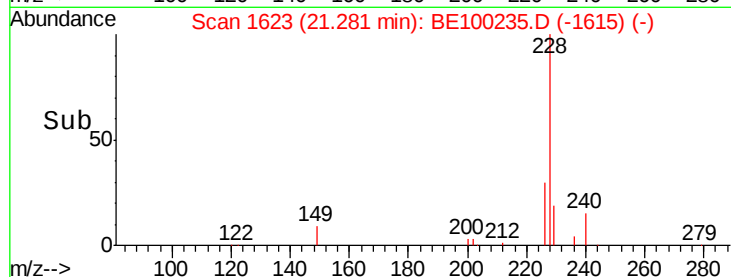
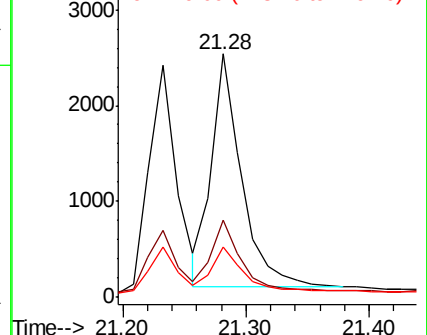
229 20.8 16.5 24.7



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: 0.118 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

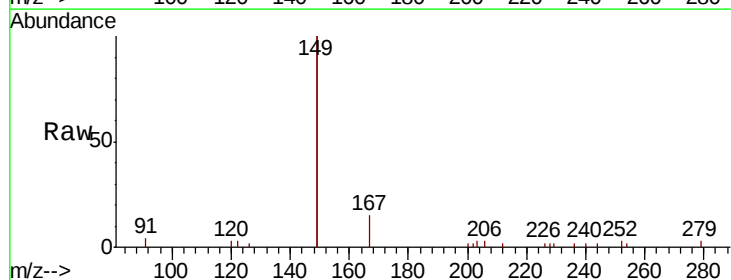
Tgt Ion:149 Resp: 5123

Ion Ratio Lower Upper

149 100

167 8.6 5.8 8.8

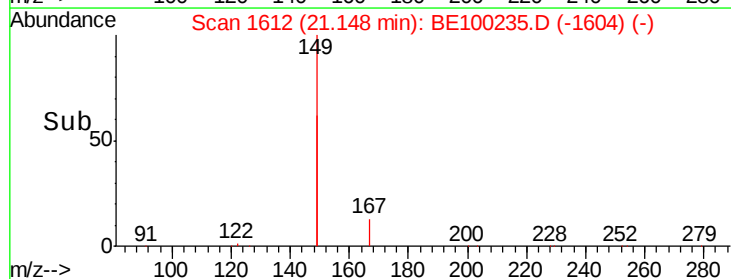
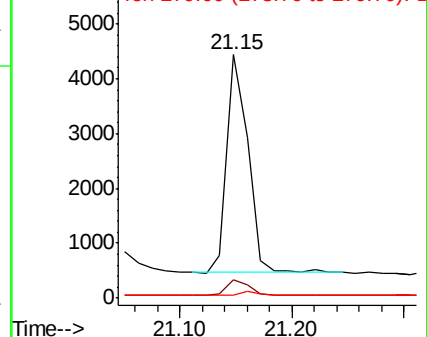
279 1.6 1.1 1.7



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: 0.179 ng

RT: 26.22 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

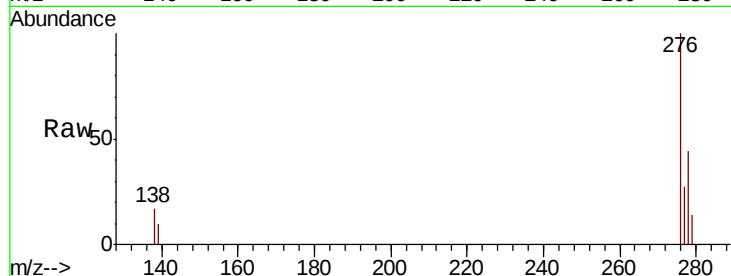
Tgt Ion:276 Resp: 4906

Ion Ratio Lower Upper

276 100

138 12.7 9.4 14.0

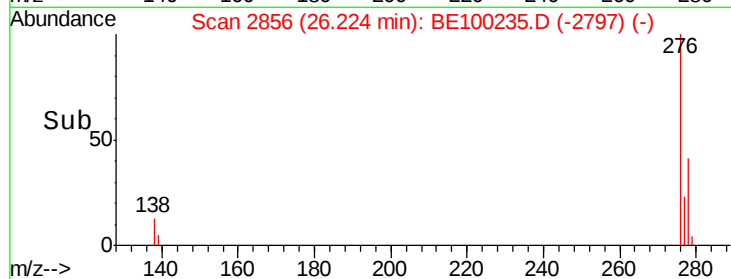
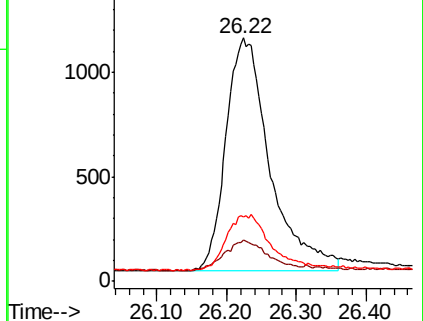
277 23.2 19.2 28.8



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: 23.67 min Scan# 2143

Delta R.T. 0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

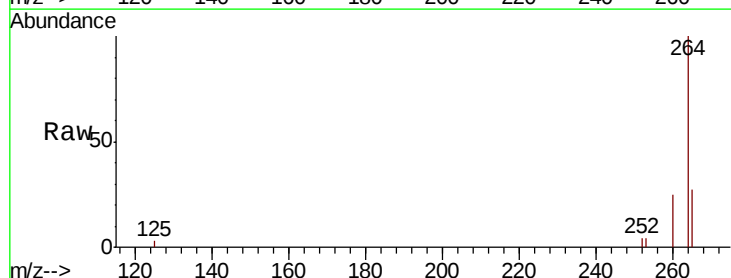
Tgt Ion:264 Resp: 7600

Ion Ratio Lower Upper

264 100

260 25.1 20.8 31.2

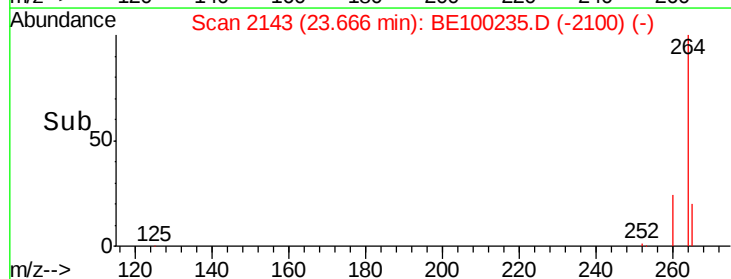
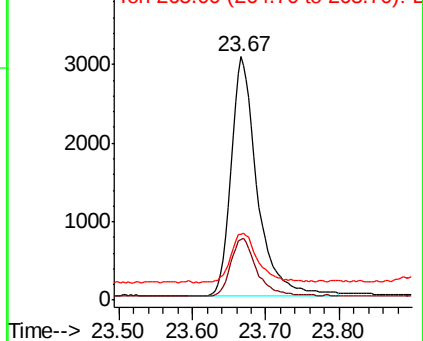
265 27.1 21.8 32.6



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

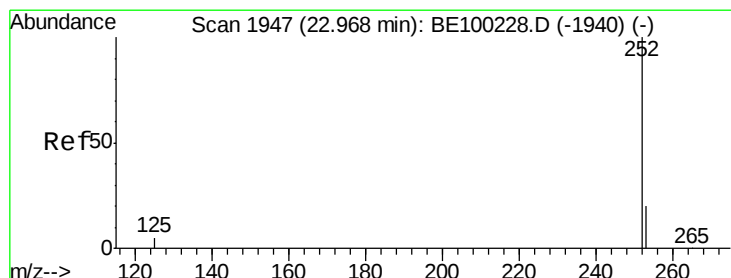
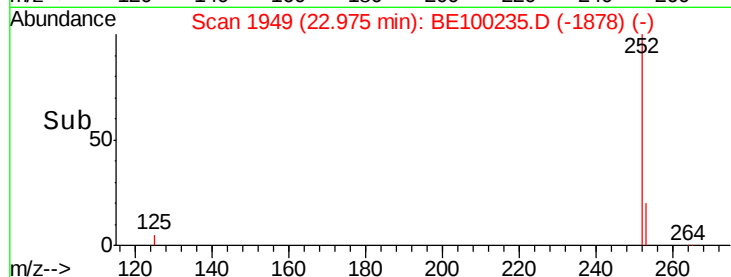
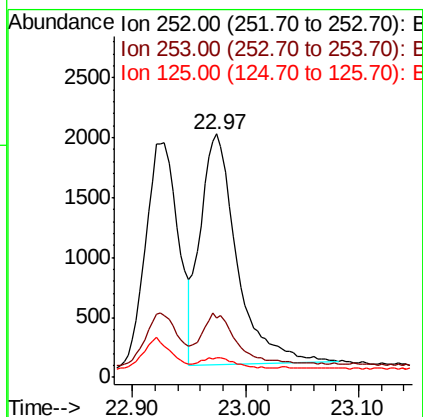
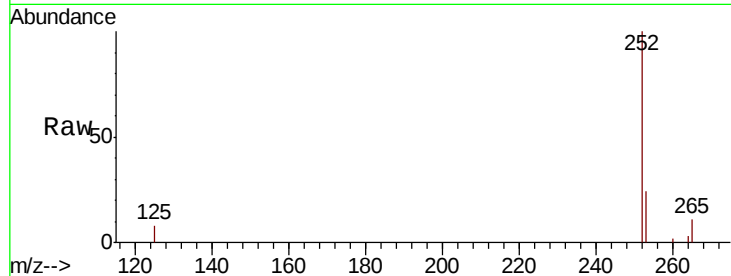




#35
Benzo(b)fluoranthene
Concen: 0.211 ng
RT: 22.97 min Scan# 1949
Delta R.T. 0.05 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

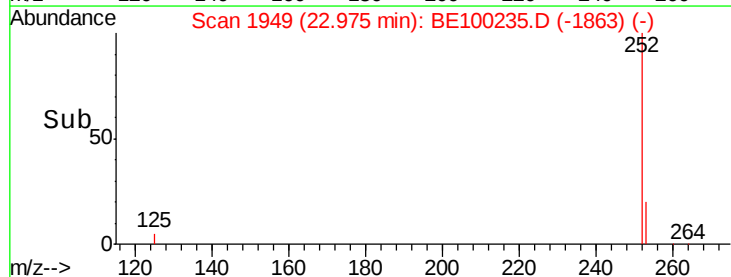
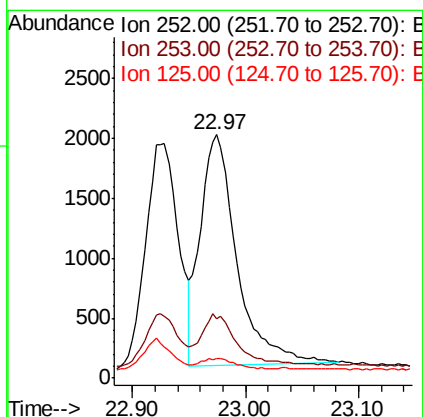
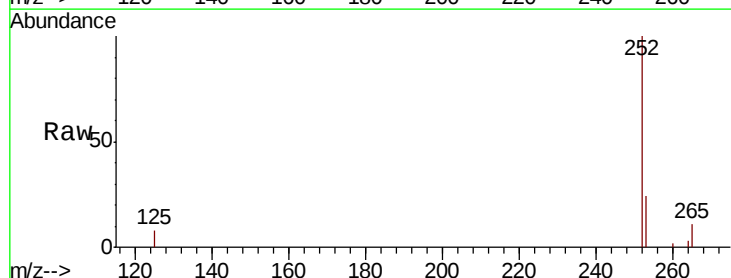
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

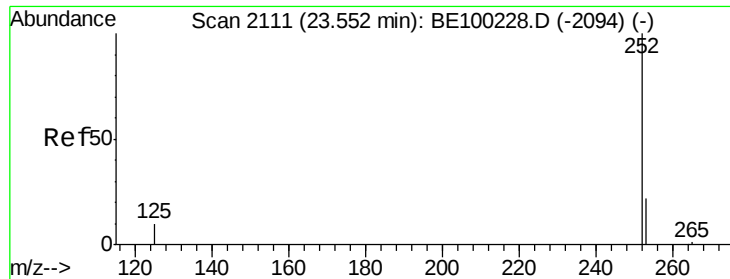
Tgt Ion:252 Resp: 4348
Ion Ratio Lower Upper
252 100
253 24.4 19.2 28.8
125 8.2 7.4 11.0



#36
Benzo(k)fluoranthene
Concen: 0.189 ng
RT: 22.97 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:252 Resp: 4348
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 8.2 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.202 ng

RT: 23.56 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

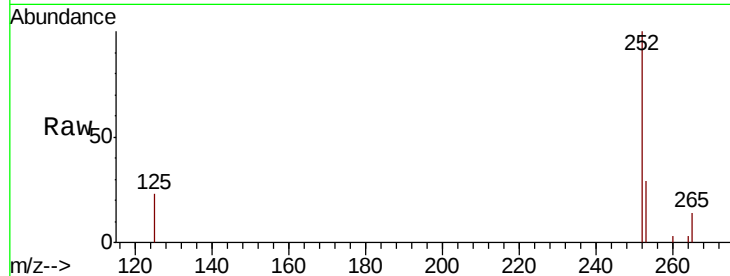
Tgt Ion:252 Resp: 4166

Ion Ratio Lower Upper

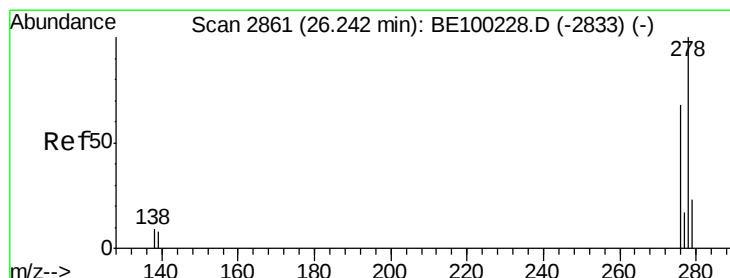
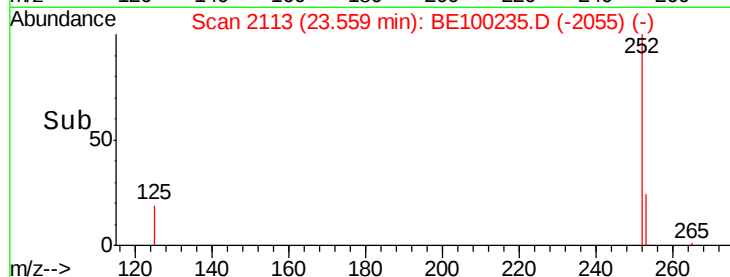
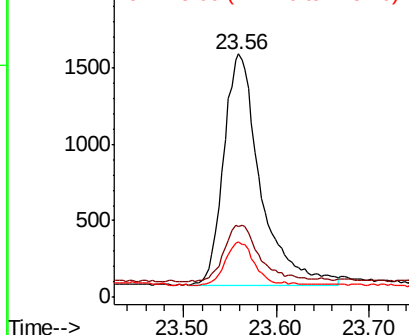
252 100

253 29.3 19.6 29.4

125 22.8 9.0 13.6#



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: 0.183 ng

RT: 26.25 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

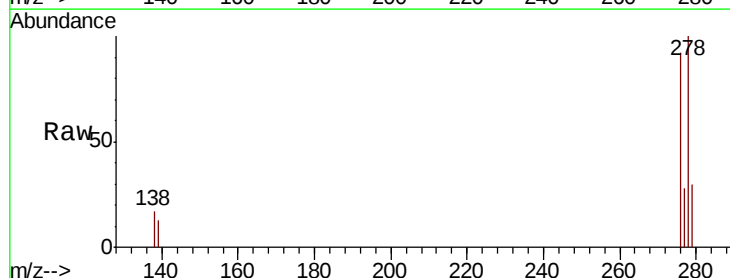
Tgt Ion:278 Resp: 3957

Ion Ratio Lower Upper

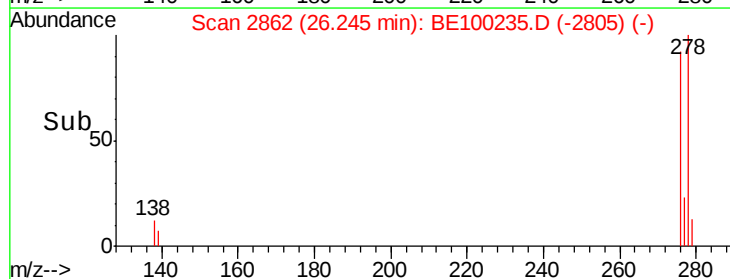
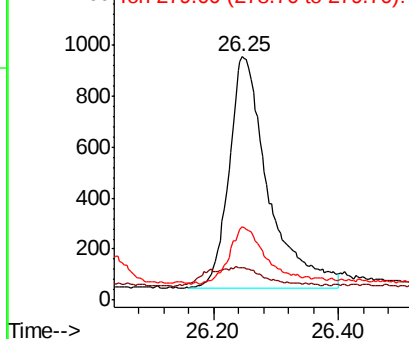
278 100

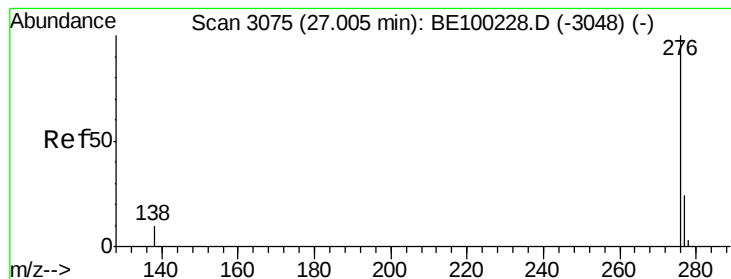
139 13.4 8.2 12.2#

279 30.3 20.3 30.5



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: 27.01 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BE100235.D

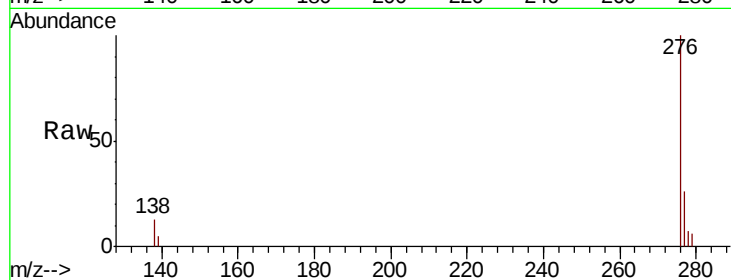
Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019



Tgt Ion: 276 Resp: 4298

Ion Ratio Lower Upper

276 100

277 26.4 20.2 30.2

138 13.5 9.0 13.6

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

