

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011120\
 Data File : BE101030.D
 Acq On : 10 Jan 2020 19:26
 Operator : JU
 Sample : K3591-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Quant Time: Jan 11 01:43:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3143	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	14047	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	8909	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	19084	0.40	ng	0.00
27) Chrysene-d12	21.28	240	14482	0.40	ng	0.00
34) Perylene-d12	23.69	264	17292	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	2303	0.33	ng	0.00
5) Phenol-d6	6.92	99	2210	0.25	ng	0.00
8) Nitrobenzene-d5	8.89	82	2445	0.24	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	8376	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	534	0.21	ng	0.01
15) 2-Fluorobiphenyl	13.00	172	12461	0.37	ng	0.00
25) Fluoranthene-d10	19.13	212	73740	0.28	ng	0.00
29) Terphenyl-d14	19.74	244	14708	0.41	ng	0.00

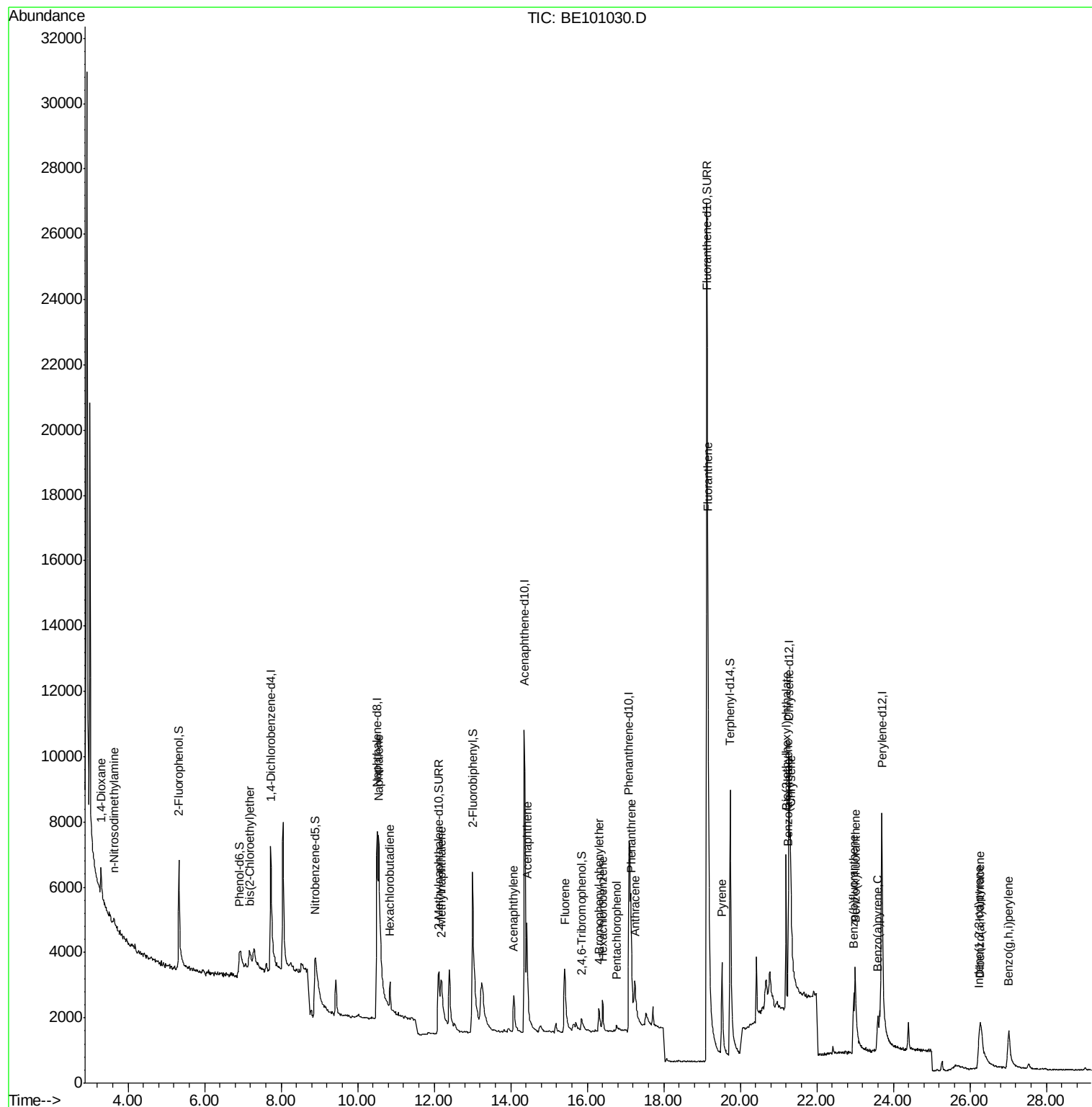
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1604m	0.127	ng	
3) n-Nitrosodimethylamine	3.63	42	251m	0.057	ng	
6) bis(2-Chloroethyl)ether	7.17	93	570	0.053	ng	86
9) Naphthalene	10.56	128	13801	0.088	ng	# 96
10) Hexachlorobutadiene	10.85	225	589	0.089	ng	96
12) 2-Methylnaphthalene	12.19	142	1971	0.084	ng	94
16) Acenaphthylene	14.08	152	2400	0.066	ng	96
17) Acenaphthene	14.43	154	1929	0.074	ng	94
18) Fluorene	15.41	166	2462	0.075	ng	99
20) 4-Bromophenyl-phenylether	16.30	248	765	0.082	ng	# 81
21) Hexachlorobenzene	16.41	284	879	0.086	ng	97
22) Pentachlorophenol	16.76	266	280	0.328	ng	91
23) Phenanthrene	17.15	178	3926	0.075	ng	98
24) Anthracene	17.24	178	4179m	0.085	ng	
26) Fluoranthene	19.16	202	4927	0.075	ng	98
28) Pyrene	19.52	202	5019	0.093	ng	99
30) Benzo(a)anthracene	21.26	228	2572	0.062	ng	96
31) Chrysene	21.32	228	6163	0.100	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	5462	0.079	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	3924	0.081	ng	# 75
35) Benzo(b)fluoranthene	22.96	252	2984	0.062	ng	# 82
36) Benzo(k)fluoranthene	23.01	252	4892	0.070	ng	# 80
37) Benzo(a)pyrene	23.59	252	3567	0.076	ng	# 79
38) Dibenzo(a,h)anthracene	26.27	278	2760m	0.064	ng	
39) Benzo(g,h,i)perylene	27.01	276	4057	0.076	ng	# 89

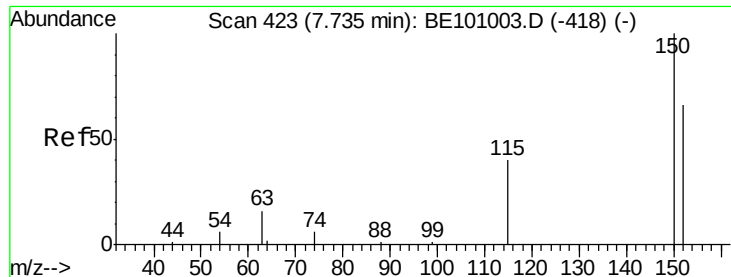
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

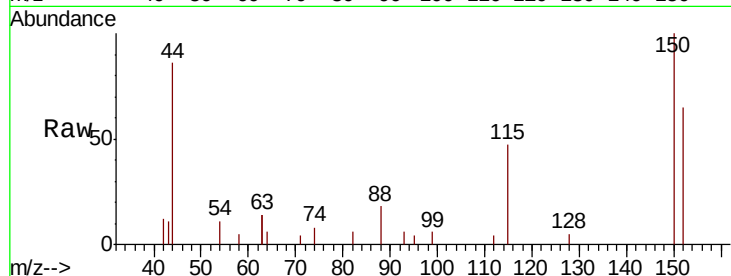
Tot Ion:152 Resp: 3143

Ion Ratio Lower Upper

152 100

150 153.4 120.3 180.5

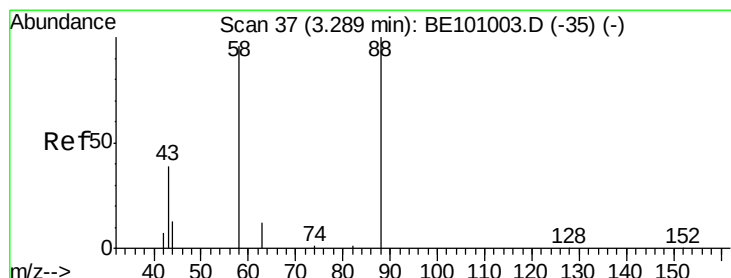
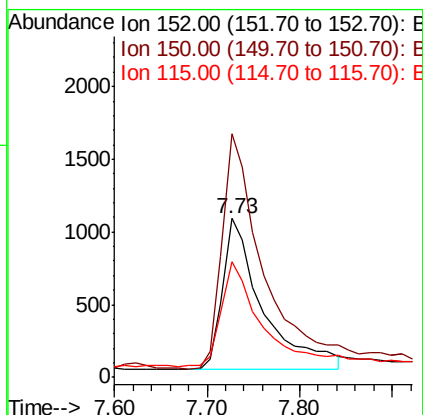
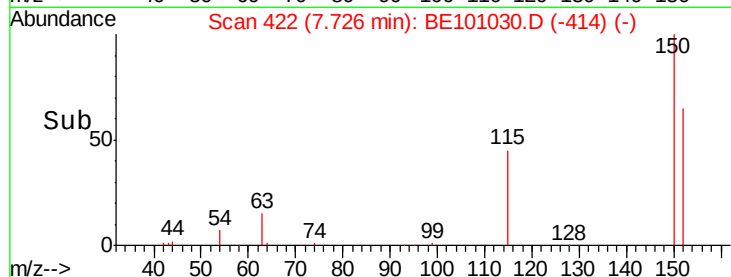
115 72.5 51.7 77.5



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: 0.127 ng m

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

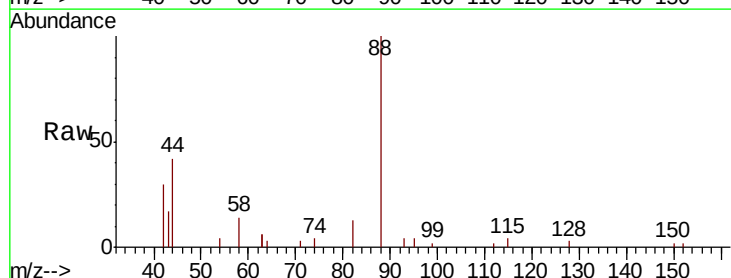
Tgt Ion: 88 Resp: 1604

Ion Ratio Lower Upper

88 100

58 27.9 53.0 79.4#

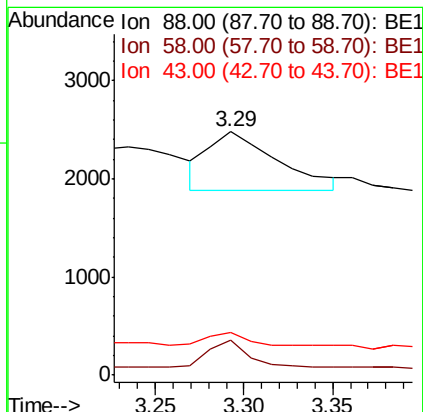
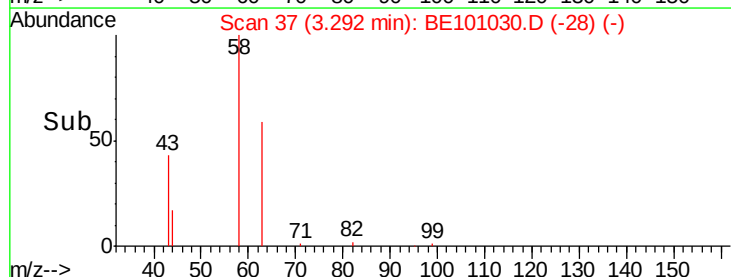
43 12.8 23.4 35.2#

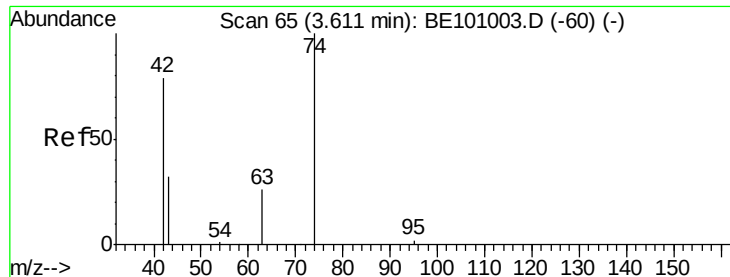


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.057 ng/mL

RT: 3.63 min Scan# 66

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

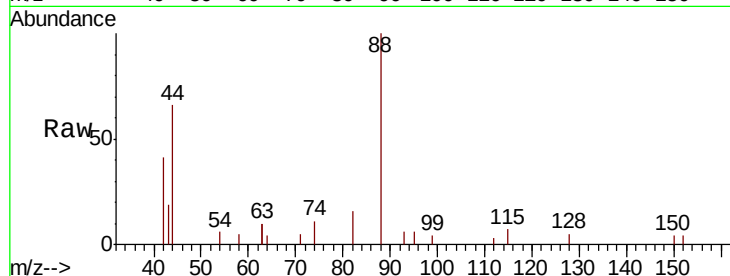
Tot Ion: 42 Resp: 251

Ion Ratio Lower Upper

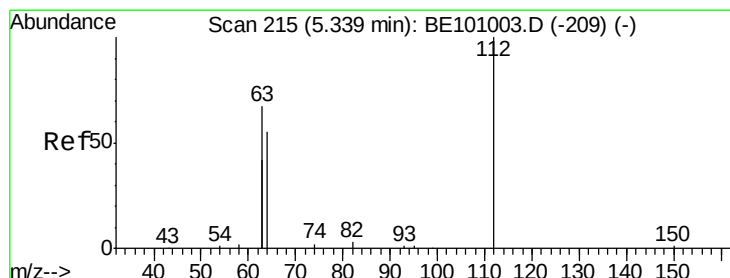
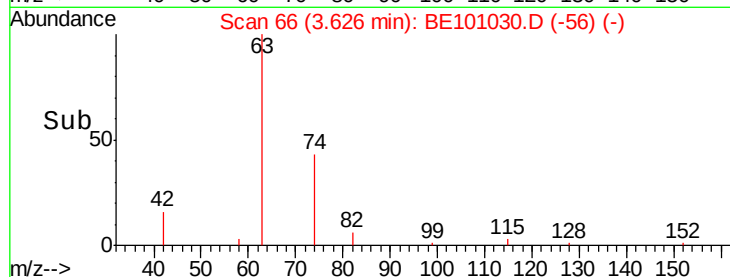
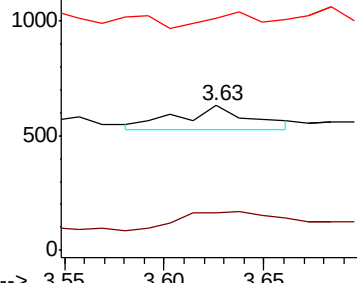
42 100

74 115.9 105.7 158.5

44 48.6 10.0 15.0#



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: 0.326 ng/mL

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

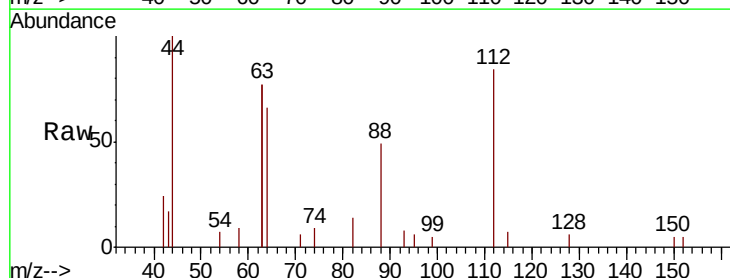
Tgt Ion: 112 Resp: 2303

Ion Ratio Lower Upper

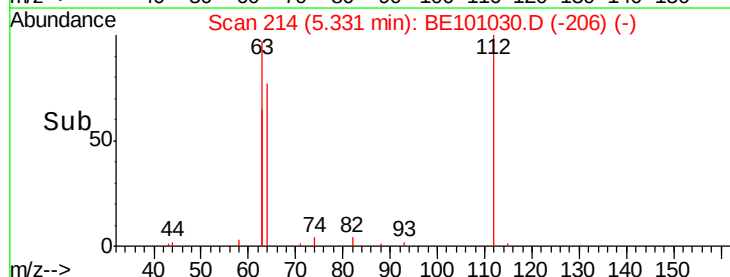
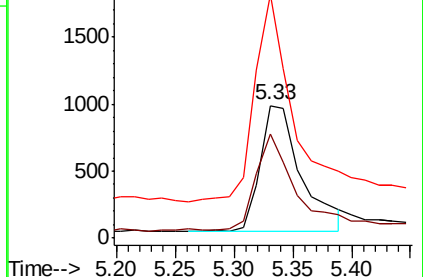
112 100

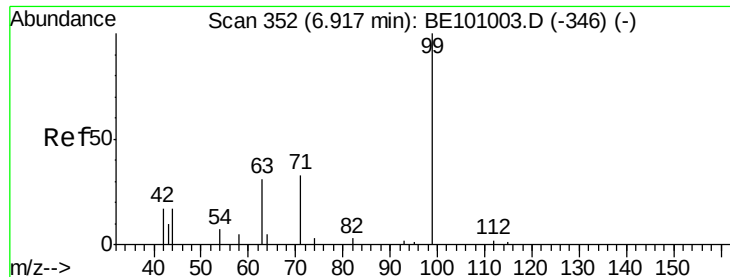
64 71.2 53.6 80.4

63 150.7 114.6 172.0



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





#5

Phenol-d6

Concen: 0.247 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

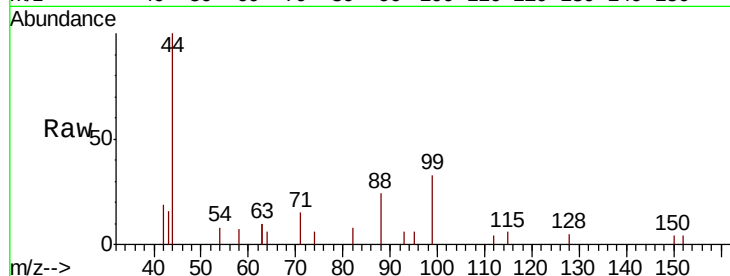
Tot Ion: 99 Resp: 2210

Ion Ratio Lower Upper

99 100

42 14.4 18.3 27.5#

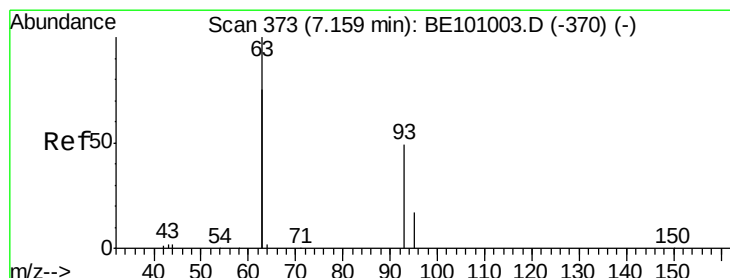
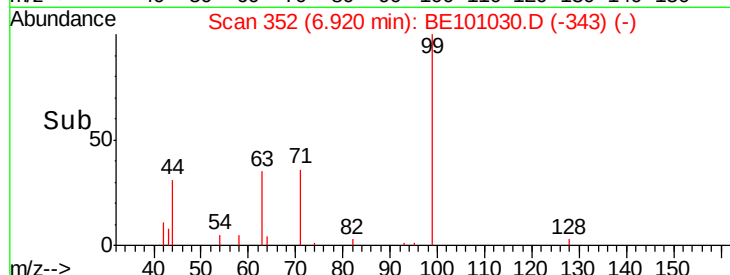
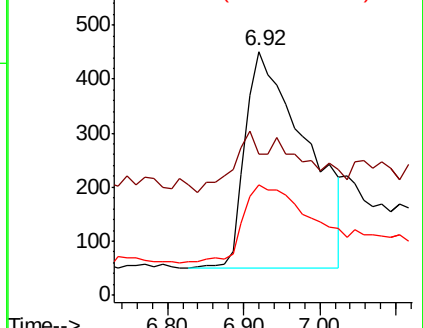
71 40.3 28.0 42.0



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: 0.053 ng

RT: 7.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

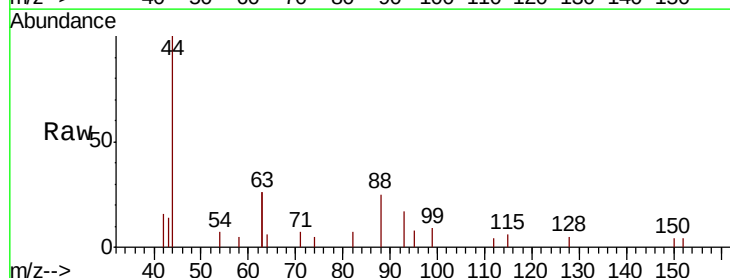
Tgt Ion: 93 Resp: 570

Ion Ratio Lower Upper

93 100

63 319.3 233.9 350.9

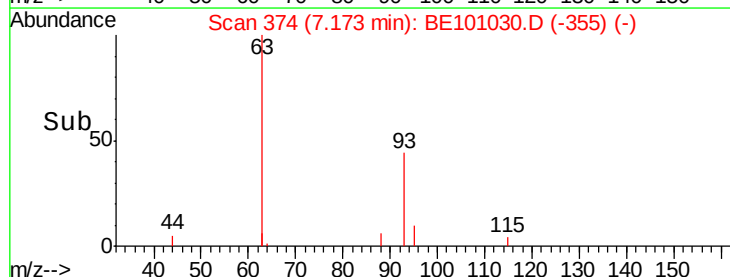
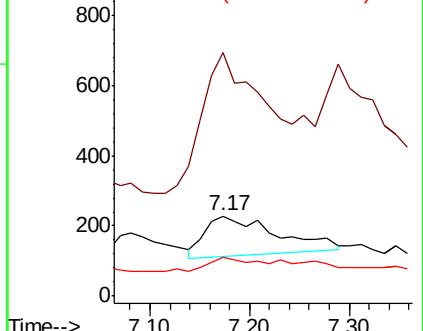
95 24.2 23.5 35.3

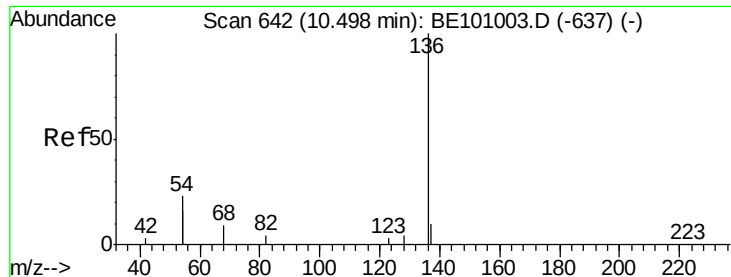


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:136 Resp: 14047

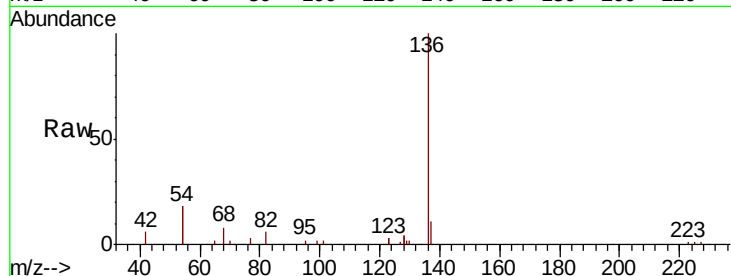
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 36.2 36.8 55.2#

68 8.1 8.4 12.6#

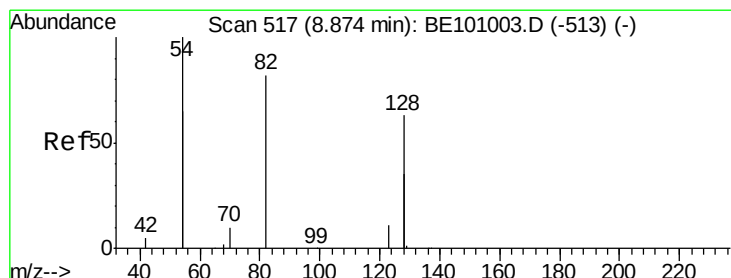
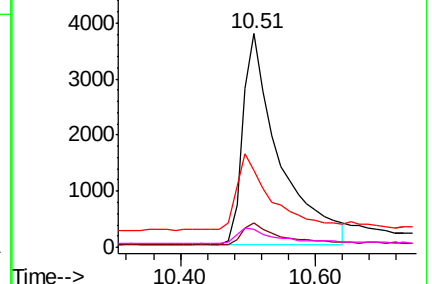
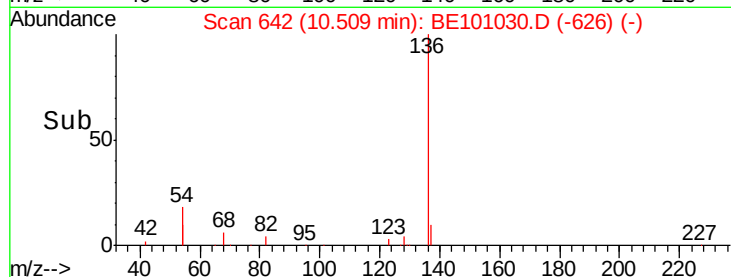


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.243 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

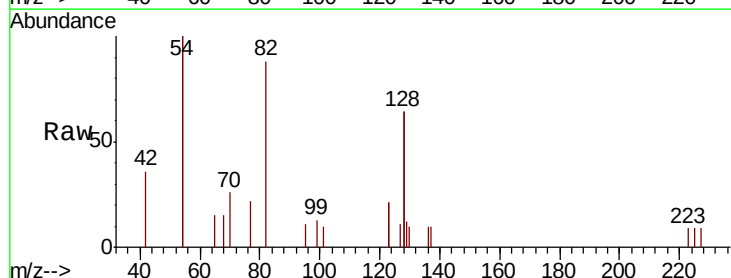
Tgt Ion: 82 Resp: 2445

Ion Ratio Lower Upper

82 100

128 144.6 109.8 164.6

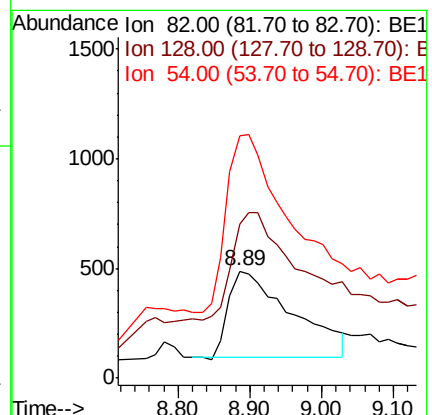
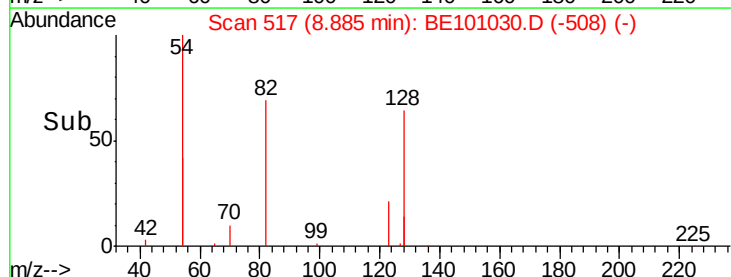
54 226.7 174.5 261.7

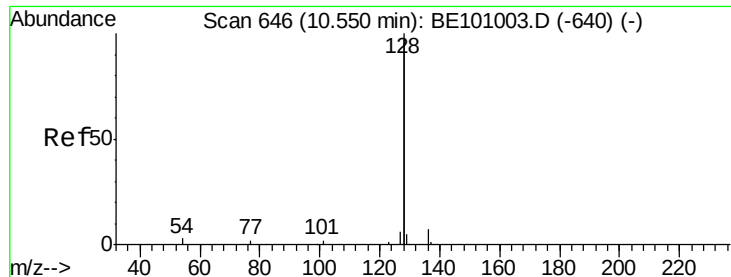


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.088 ng

RT: 10.56 min Scan# 646

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

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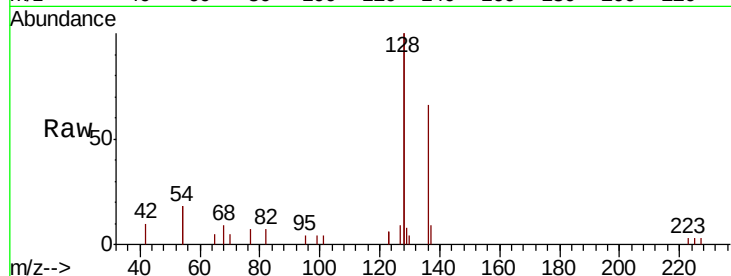
Tot Ion:128 Resp: 13801

Ion Ratio Lower Upper

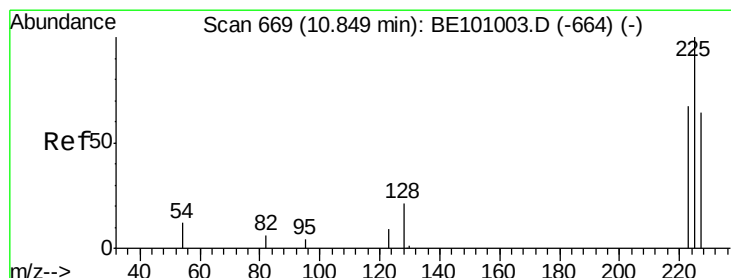
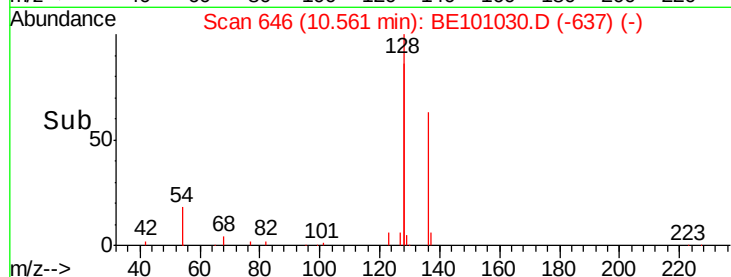
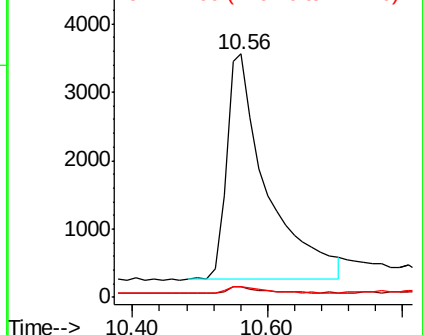
128 100

129 4.2 2.3 3.5#

127 4.5 2.7 4.1#



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: 0.089 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

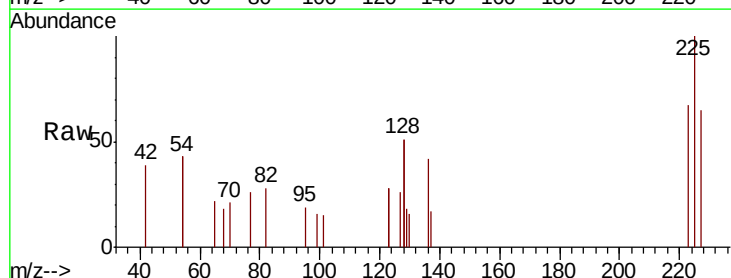
Tgt Ion:225 Resp: 589

Ion Ratio Lower Upper

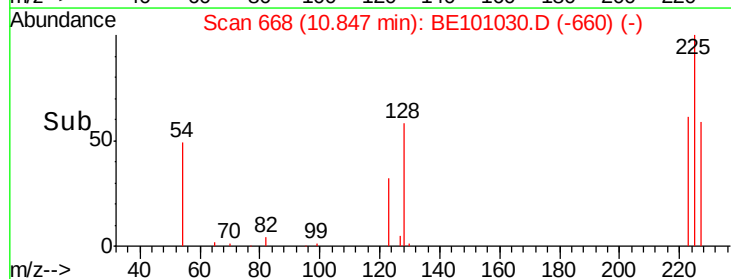
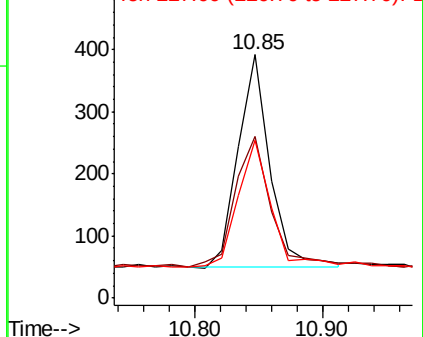
225 100

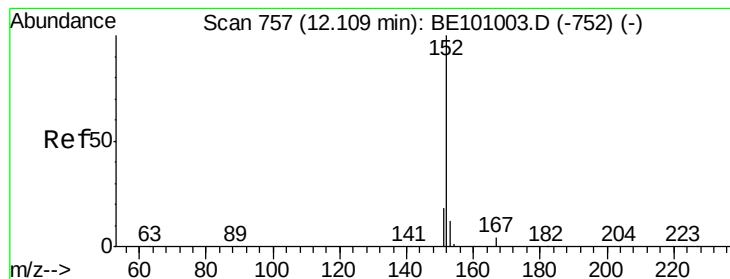
223 70.5 52.2 78.4

227 63.0 49.9 74.9



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: 0.312 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

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ClientSampleId :

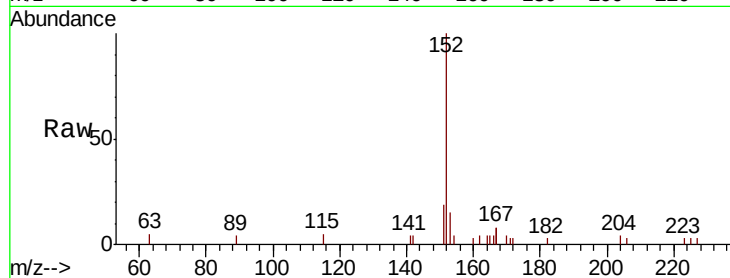
LOQ-SOIL-02-QT3-2019

Tot Ion:152 Resp: 8376

Ion Ratio Lower Upper

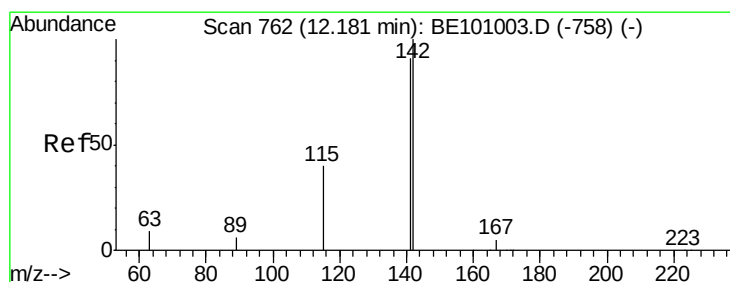
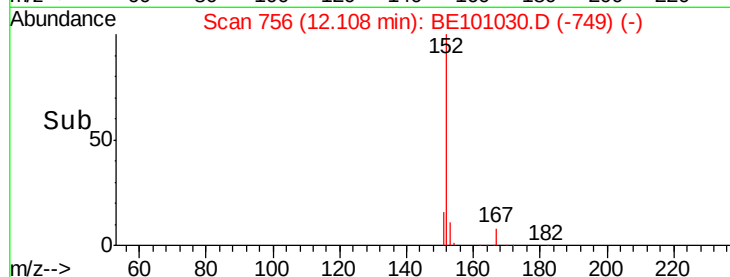
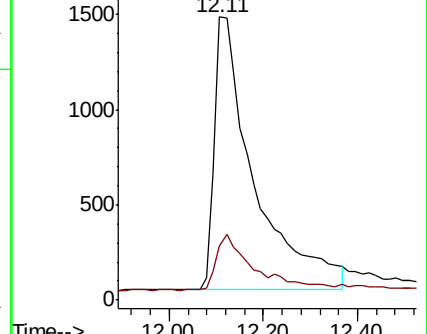
152 100

151 19.4 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: 0.084 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

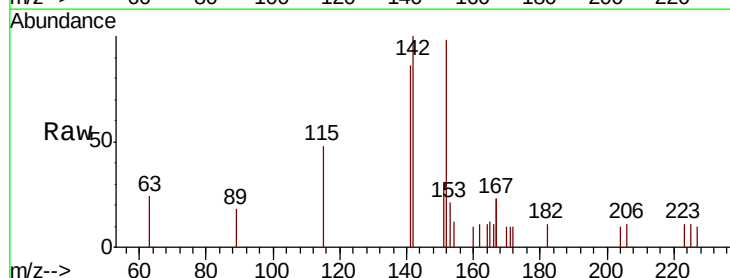
Tgt Ion:142 Resp: 1971

Ion Ratio Lower Upper

142 100

141 86.4 72.5 108.7

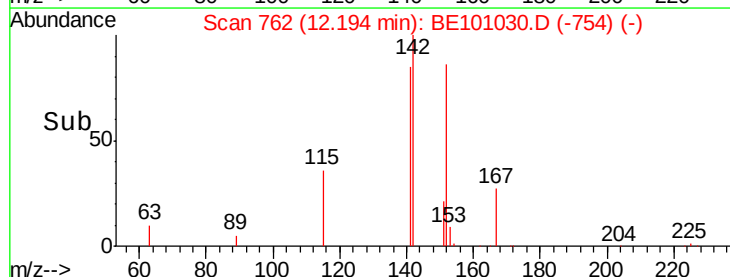
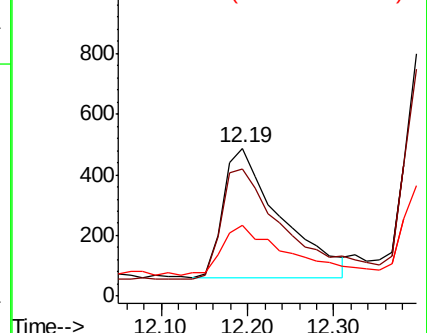
115 47.8 33.0 49.6

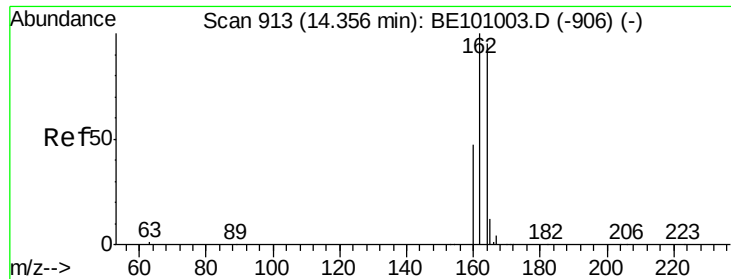


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

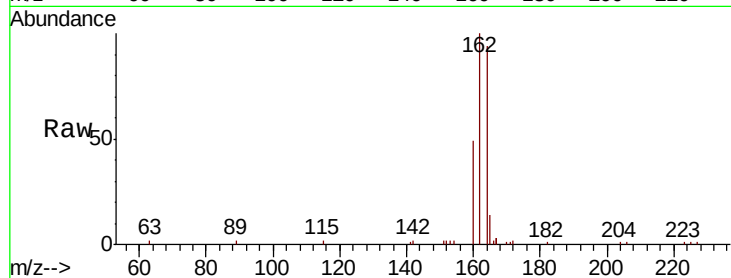




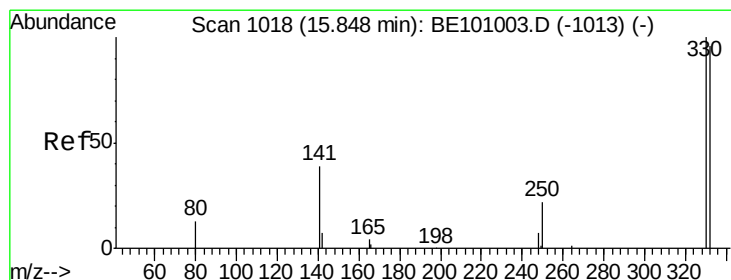
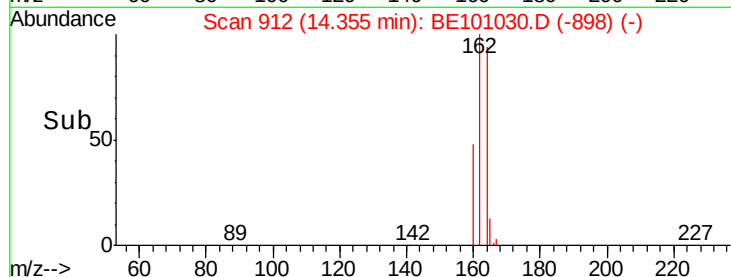
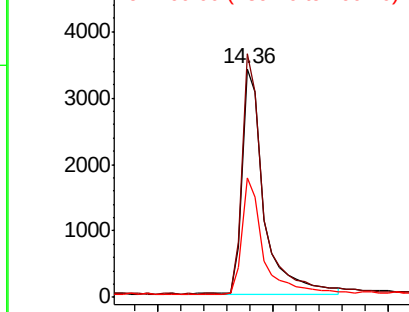
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:164 Resp: 8909
Ion Ratio Lower Upper
164 100
162 106.7 84.1 126.1
160 52.3 40.4 60.6

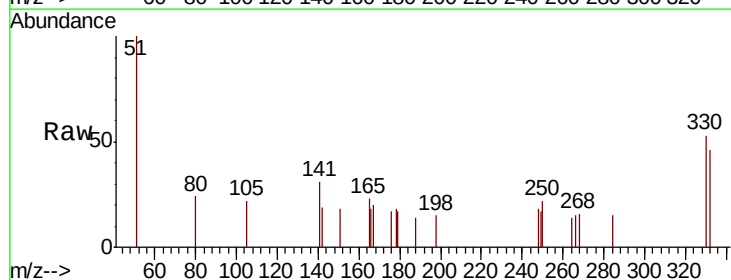


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

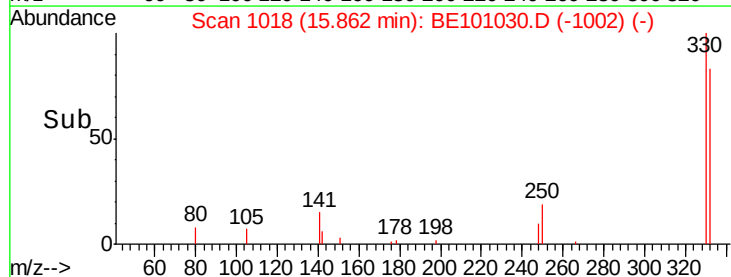
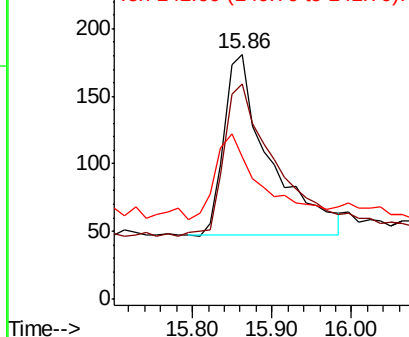


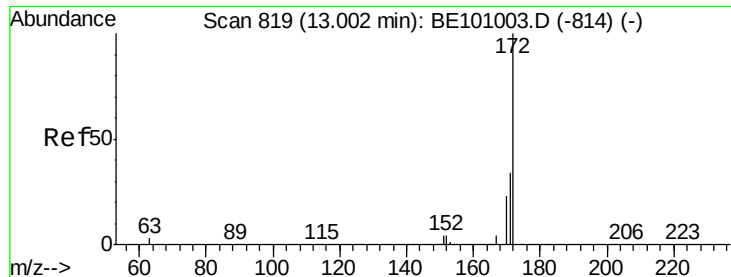
#14
2,4,6-Tribromophenol
Concen: 0.212 ng
RT: 15.86 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Tgt Ion:330 Resp: 534
Ion Ratio Lower Upper
330 100
332 98.5 78.4 117.6
141 47.0 37.0 55.4



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

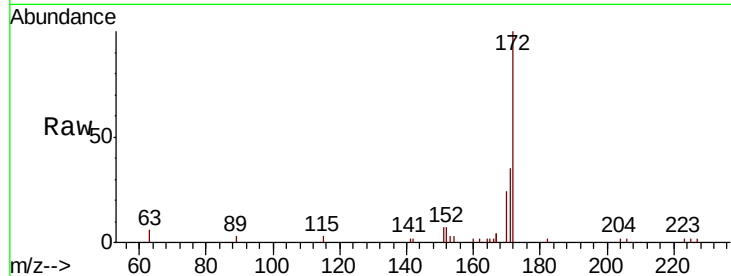




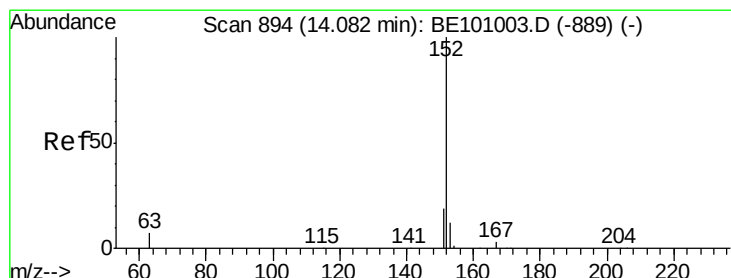
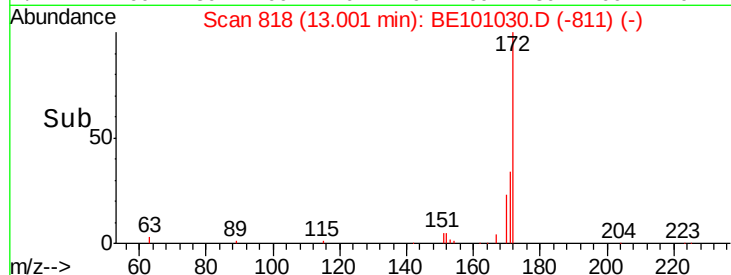
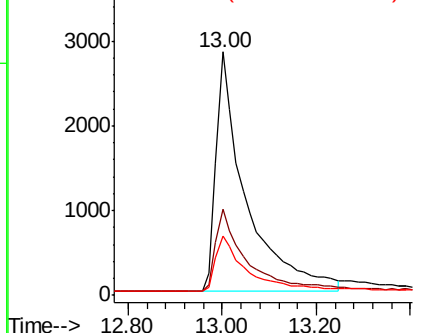
#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:172 Resp: 12461
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 24.3 18.9 28.3

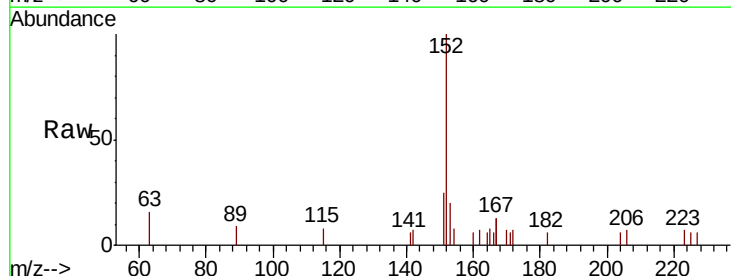


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

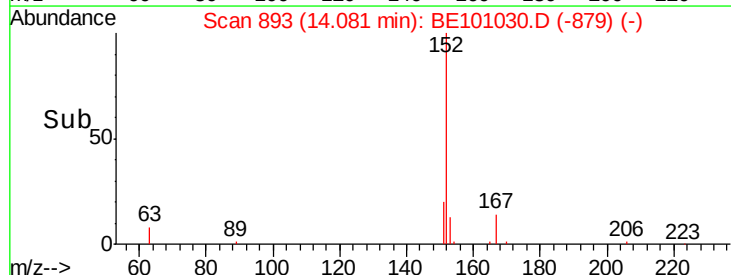
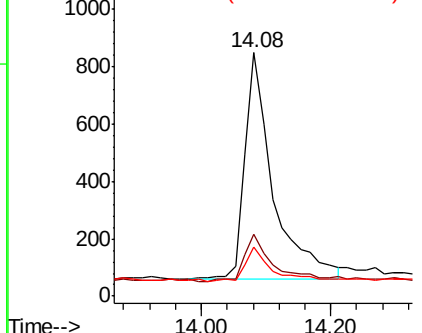


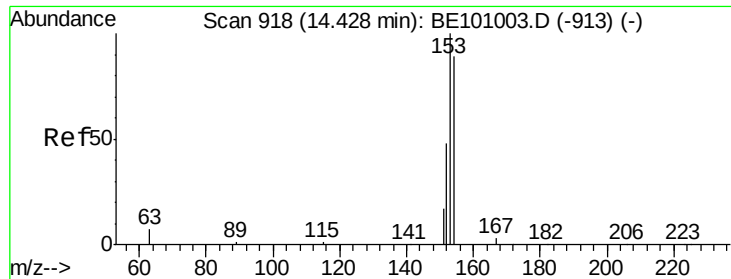
#16
Acenaphthylene
Concen: 0.066 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Tgt Ion:152 Resp: 2400
Ion Ratio Lower Upper
152 100
151 21.9 15.5 23.3
153 14.0 10.4 15.6



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

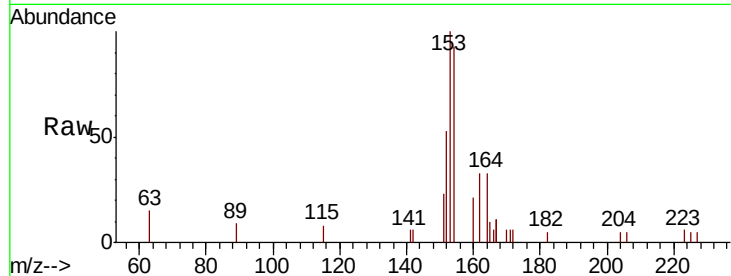




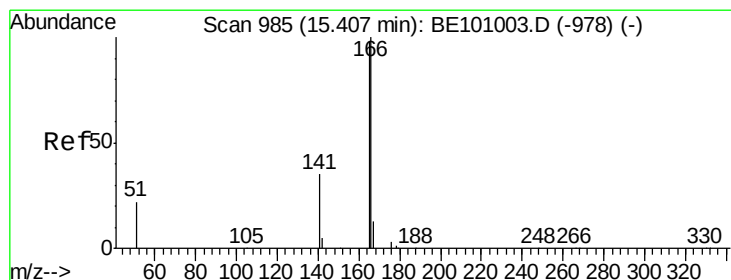
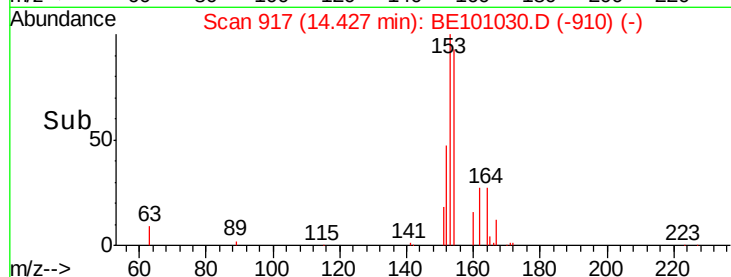
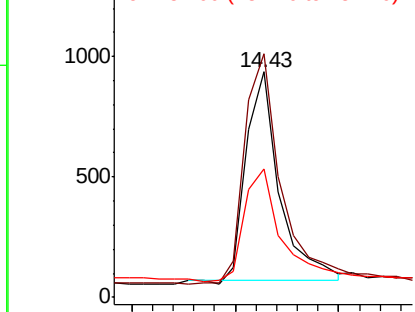
#17
Acenaphthene
Concen: 0.074 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:154 Resp: 1929
Ion Ratio Lower Upper
154 100
153 124.0 93.6 140.4
152 60.9 46.3 69.5

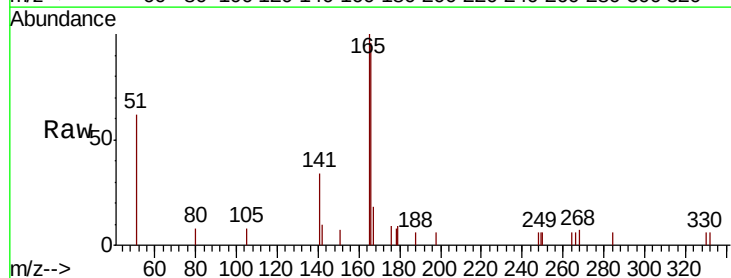


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

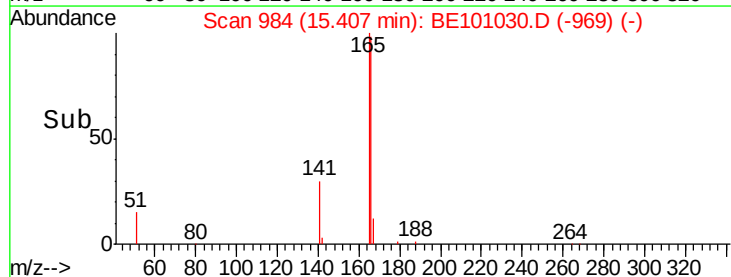
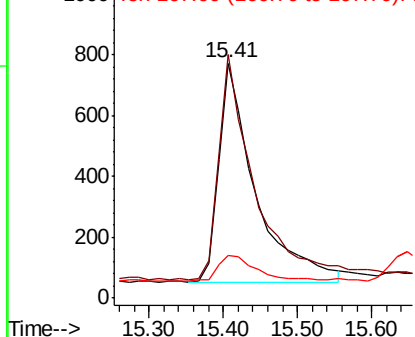


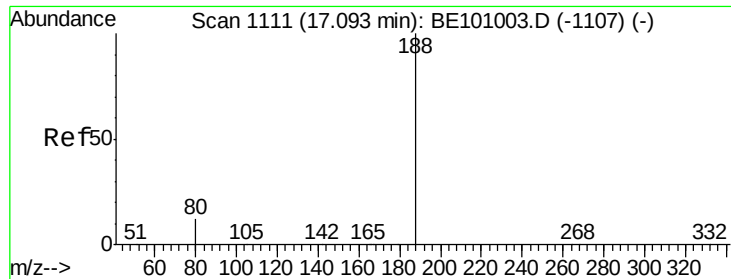
#18
Fluorene
Concen: 0.075 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Tgt Ion:166 Resp: 2462
Ion Ratio Lower Upper
166 100
165 100.7 79.8 119.8
167 12.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

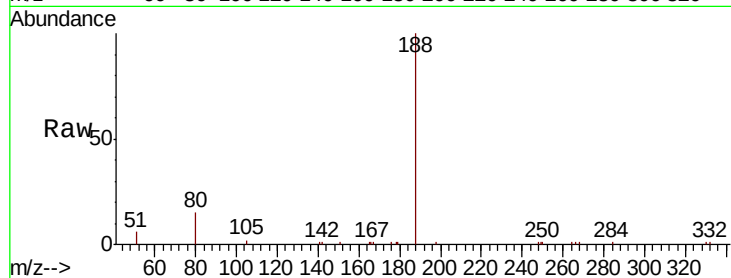
Tot Ion:188 Resp: 19084

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

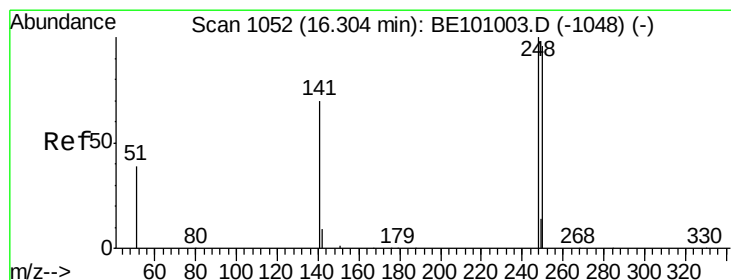
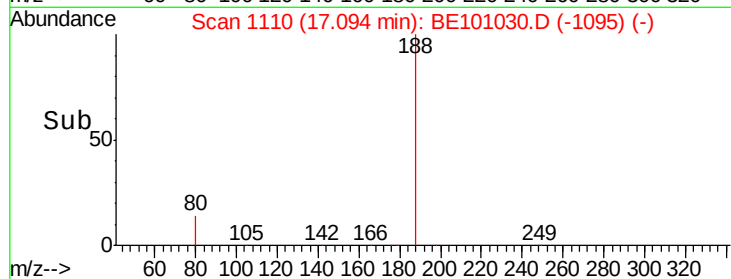
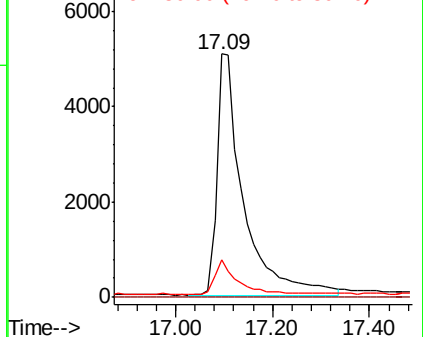
80 15.4 10.8 16.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.082 ng

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

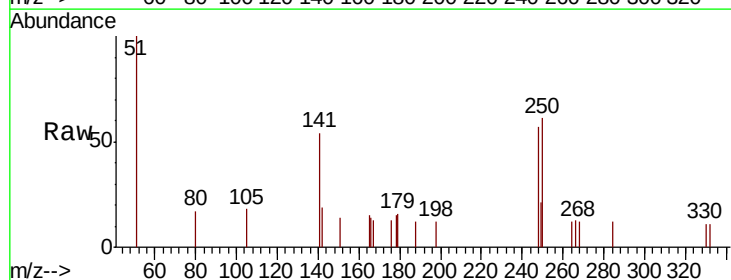
Tgt Ion:248 Resp: 765

Ion Ratio Lower Upper

248 100

250 107.1 76.6 115.0

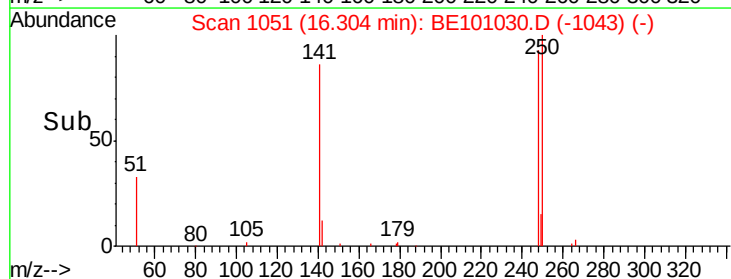
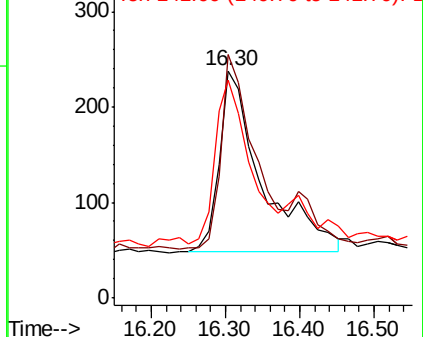
141 95.8 57.7 86.5#

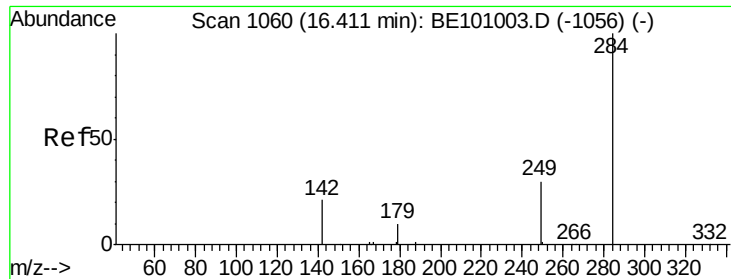


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.086 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

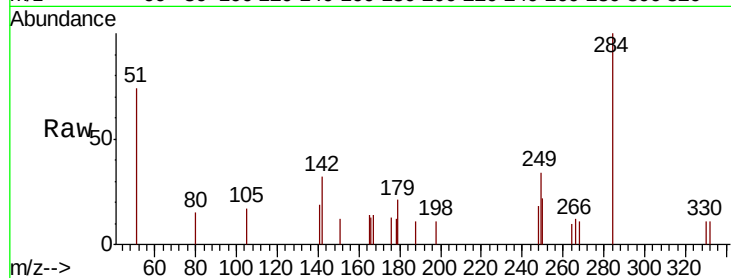
Tot Ion:284 Resp: 879

Ion Ratio Lower Upper

284 100

142 44.7 34.0 51.0

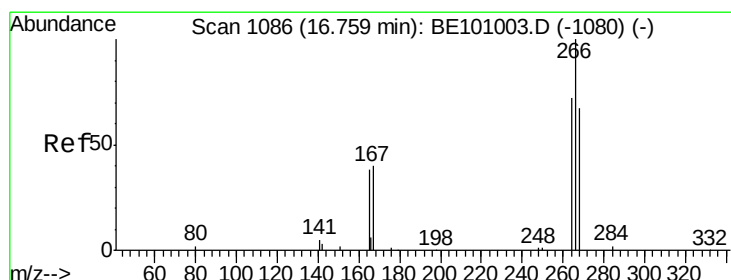
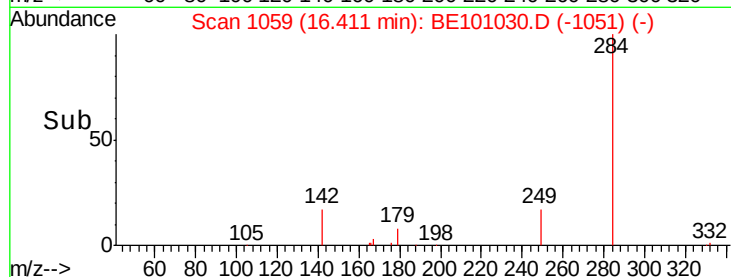
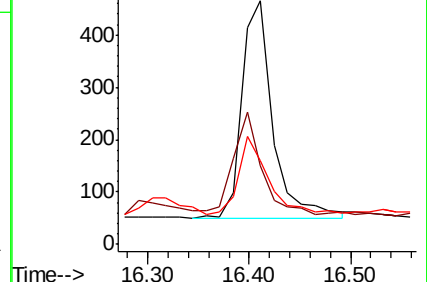
249 33.8 28.2 42.4



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: 0.328 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

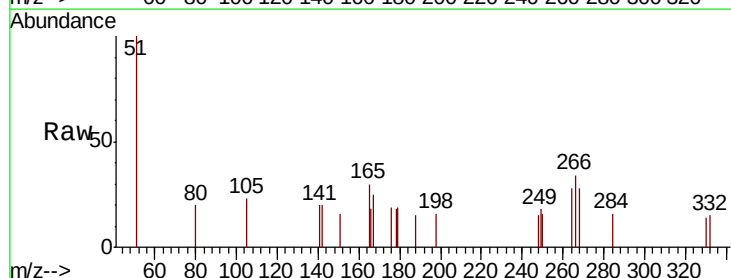
Tgt Ion:266 Resp: 280

Ion Ratio Lower Upper

266 100

264 81.3 61.0 91.4

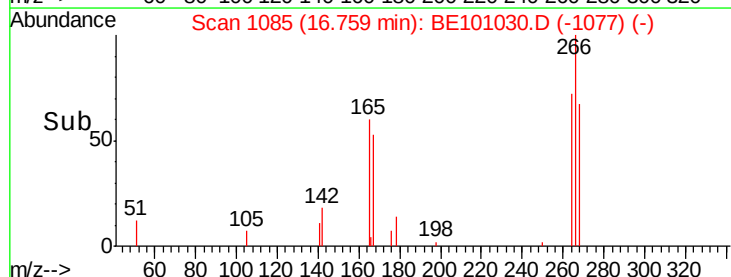
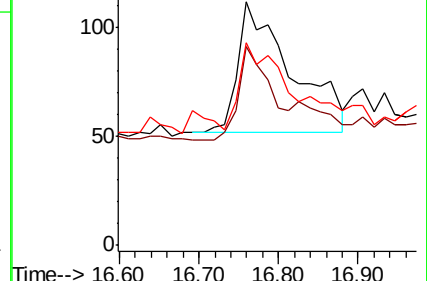
268 83.0 58.5 87.7

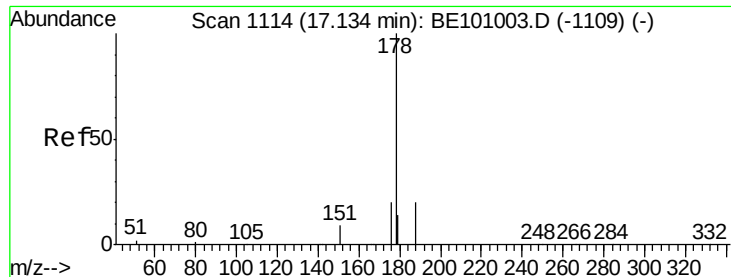


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.075 ng

RT: 17.15 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

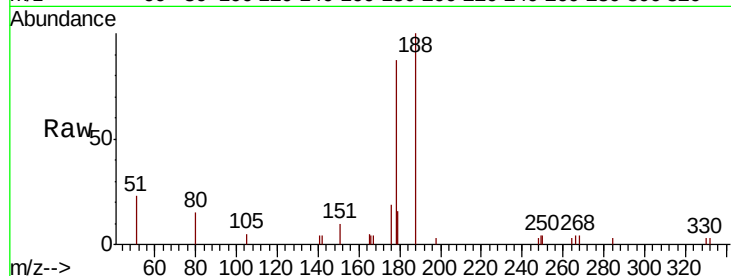
Tot Ion:178 Resp: 3926

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

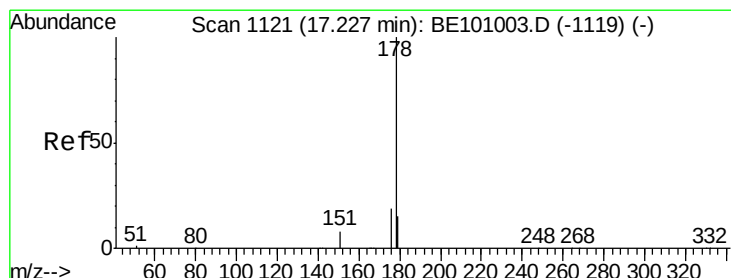
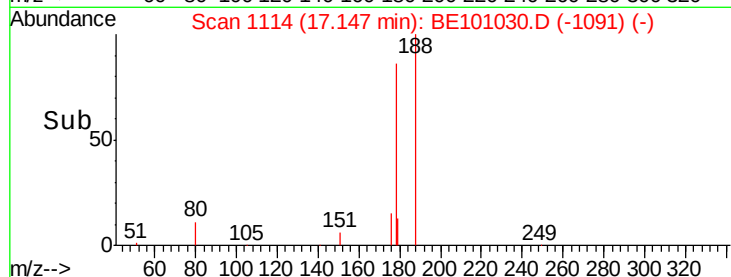
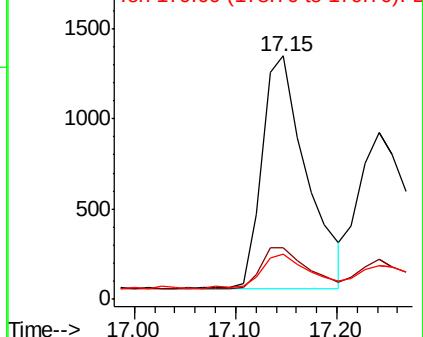
179 16.0 12.0 18.0



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: 0.085 ng m

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

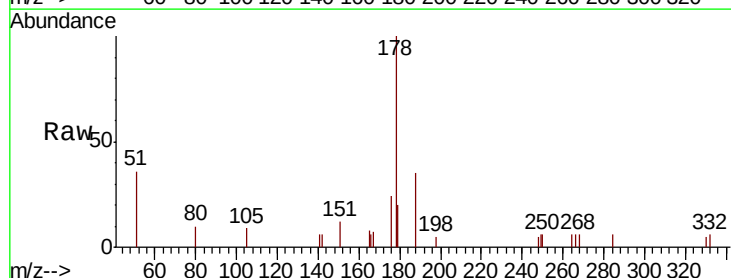
Tgt Ion:178 Resp: 4179

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

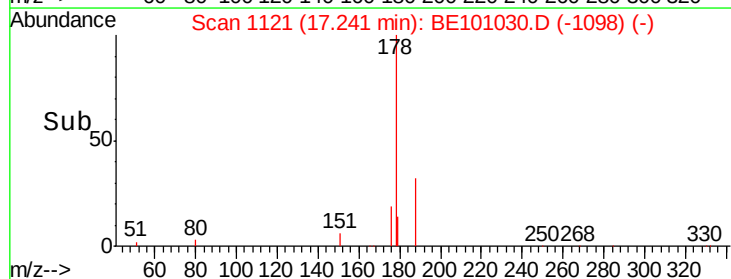
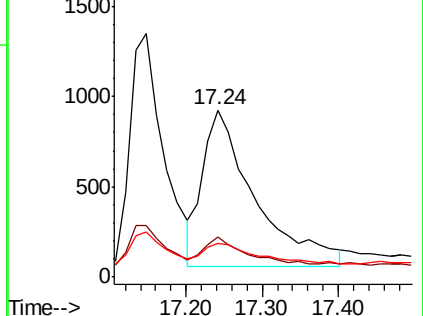
179 15.0 12.4 18.6

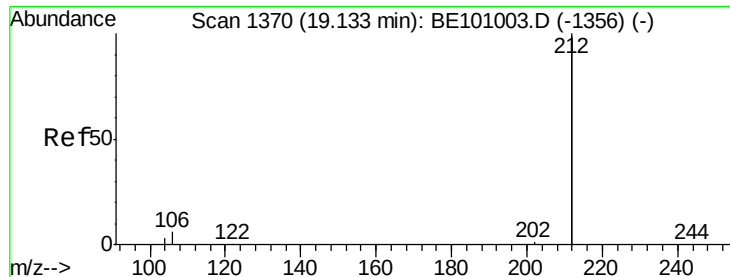


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

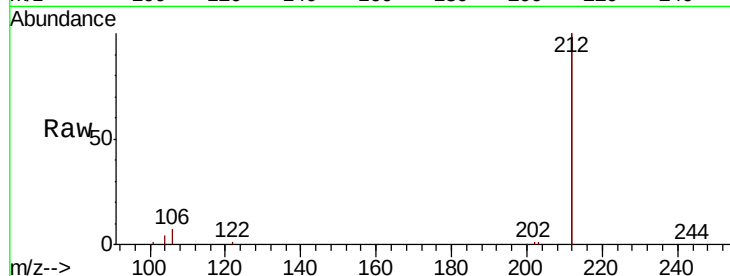
Tot Ion:212 Resp: 73740

Ion Ratio Lower Upper

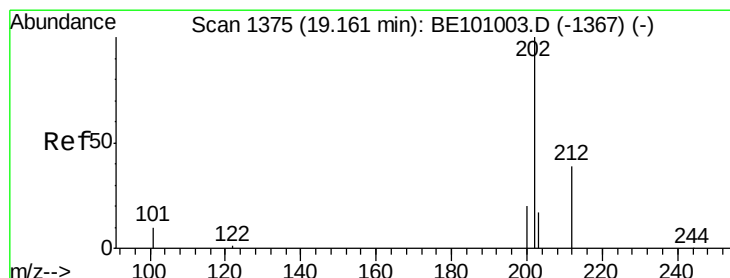
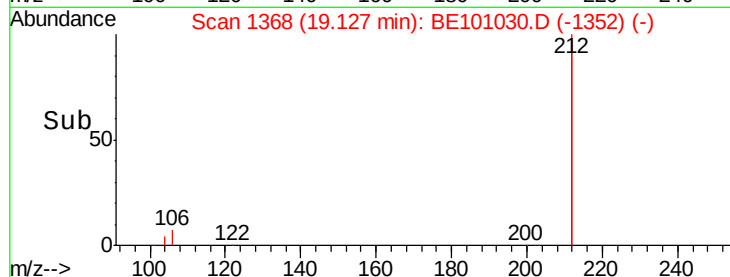
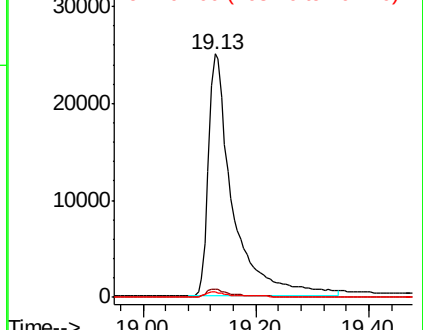
212 100

106 3.2 2.6 3.8

104 1.9 1.4 2.0



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: 0.075 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

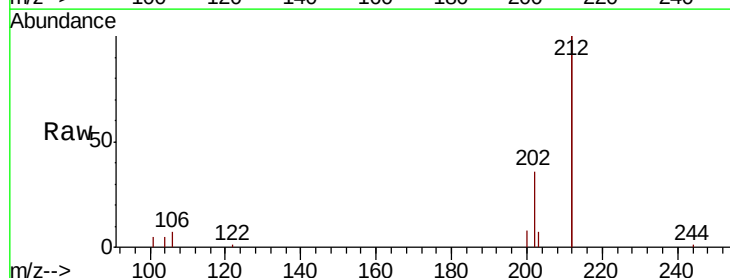
Tgt Ion:202 Resp: 4927

Ion Ratio Lower Upper

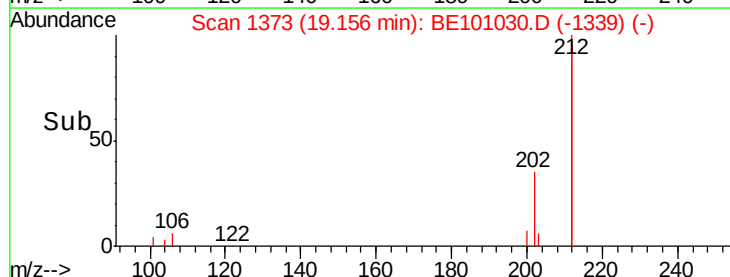
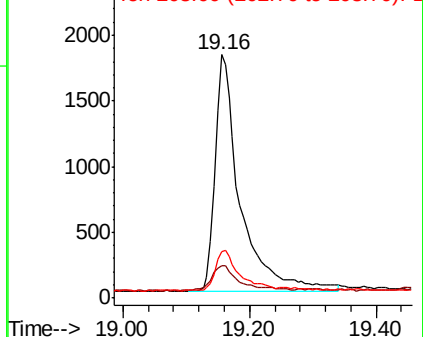
202 100

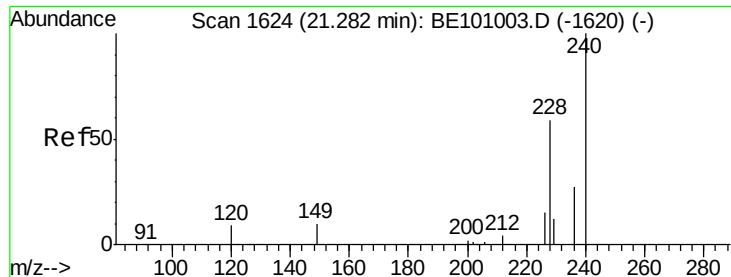
101 11.8 9.6 14.4

203 16.2 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: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

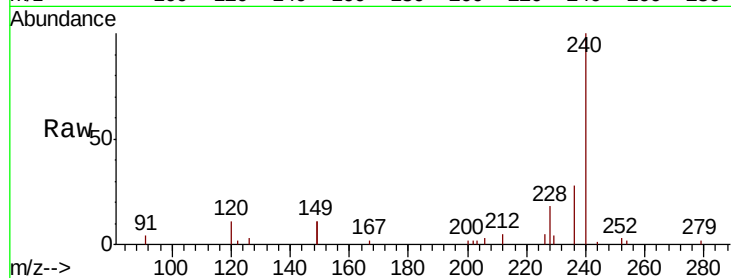
Tot Ion:240 Resp: 14482

Ion Ratio Lower Upper

240 100

120 11.4 8.6 13.0

236 28.0 22.2 33.4

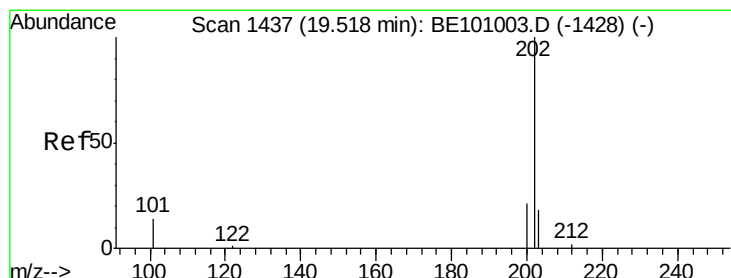
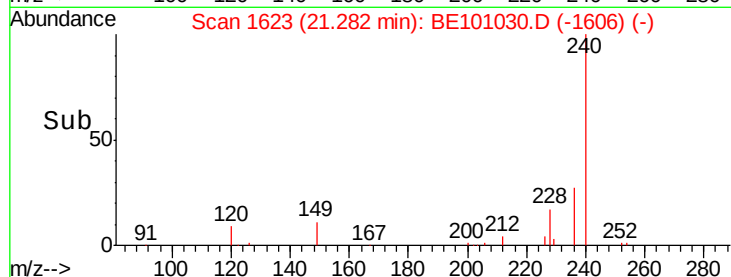
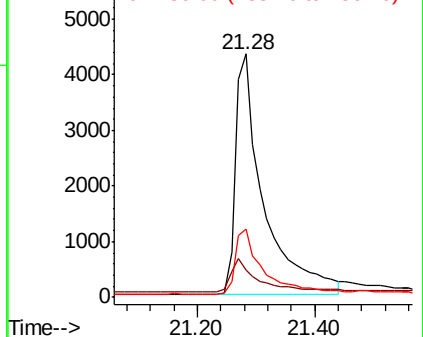


Abundance

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: 0.093 ng

RT: 19.52 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

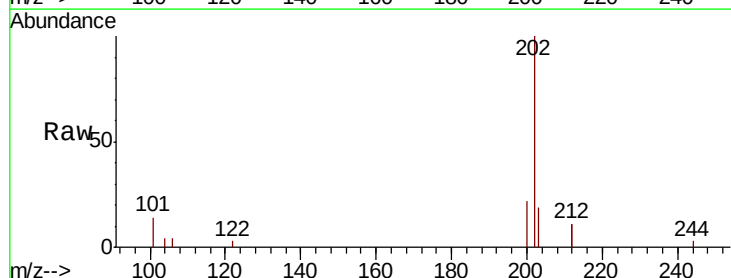
Tgt Ion:202 Resp: 5019

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 16.7 13.8 20.6

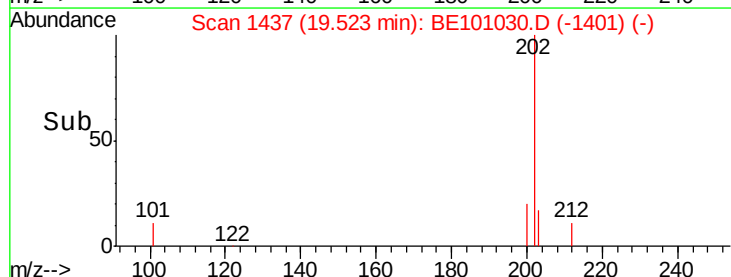
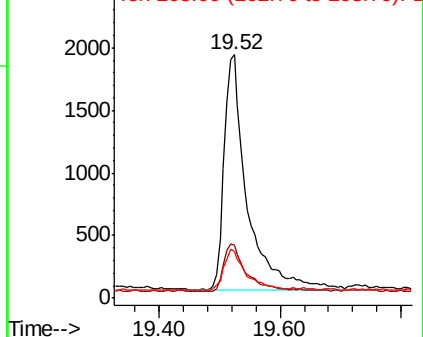


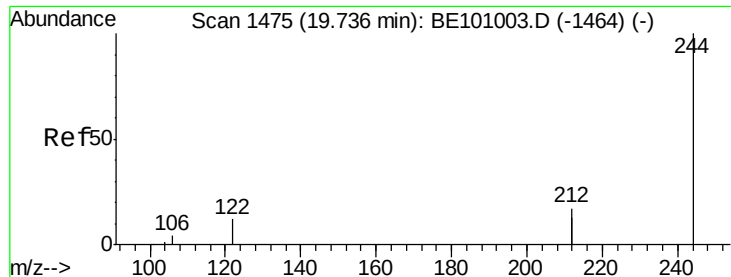
Abundance

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: 0.414 ng

RT: 19.74 min Scan# 1474

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

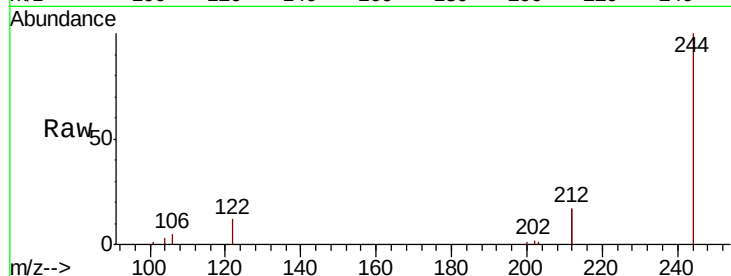
Tot Ion:244 Resp: 14708

Ion Ratio Lower Upper

244 100

212 34.4 27.2 40.8

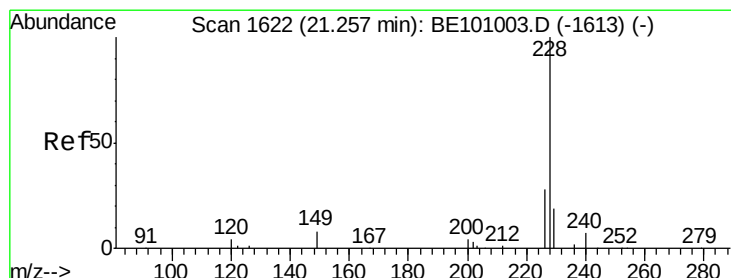
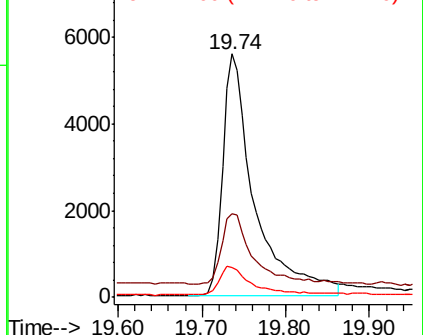
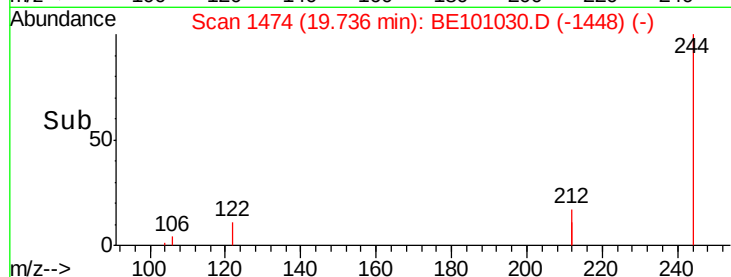
122 12.1 9.8 14.8



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: 0.062 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

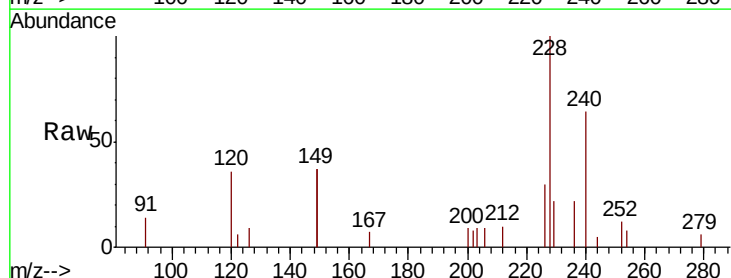
Tgt Ion:228 Resp: 2572

Ion Ratio Lower Upper

228 100

226 29.7 22.7 34.1

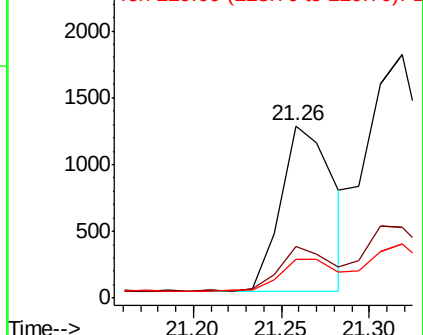
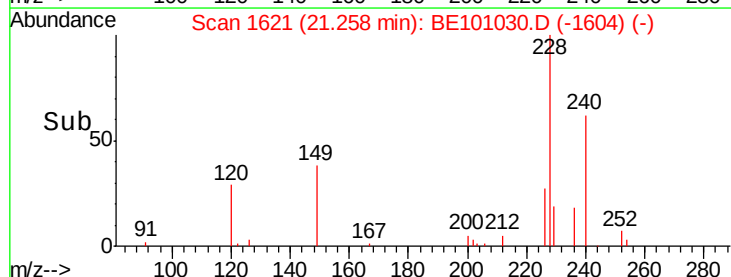
229 22.4 15.5 23.3

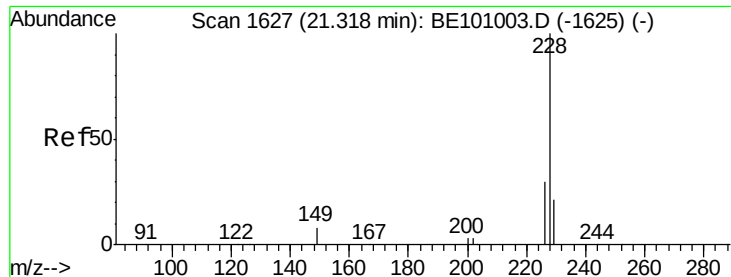


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

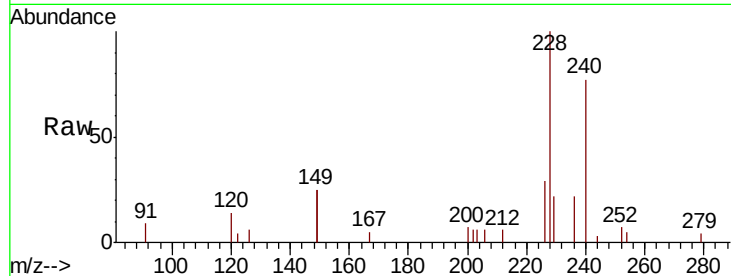




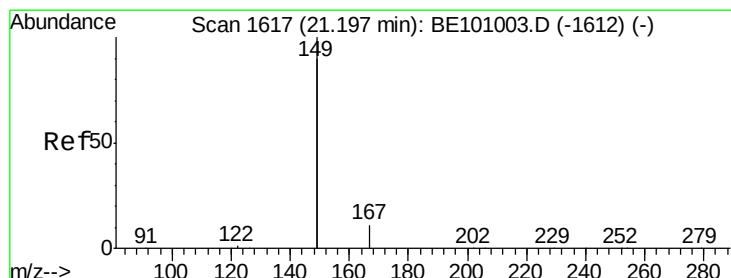
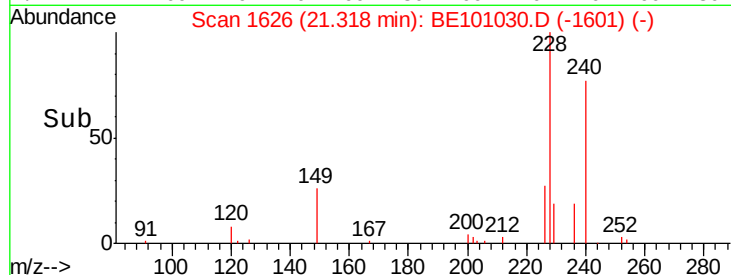
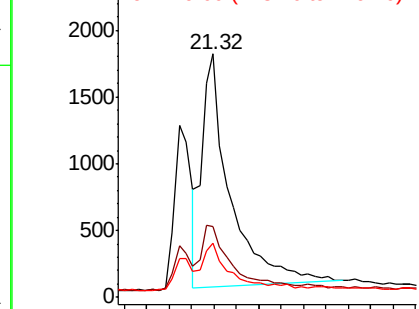
#31
Chrysene
Concen: 0.100 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:228 Resp: 6163
Ion Ratio Lower Upper
228 100
226 29.1 23.5 35.3
229 22.0 16.7 25.1

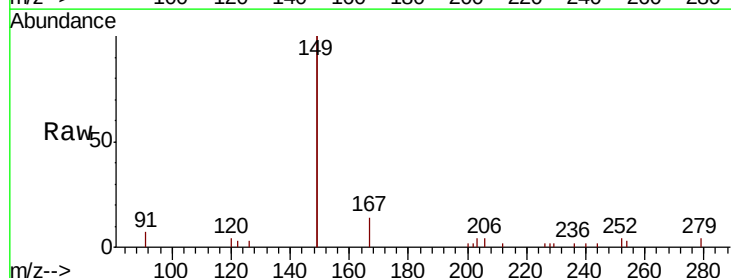


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

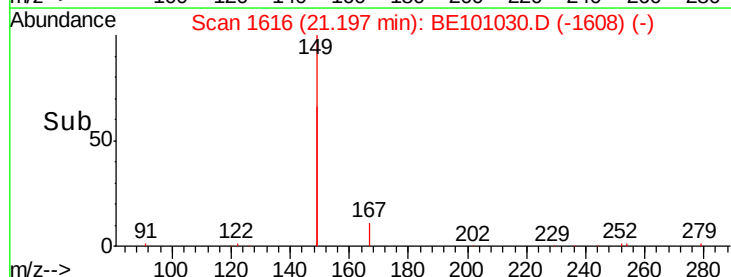
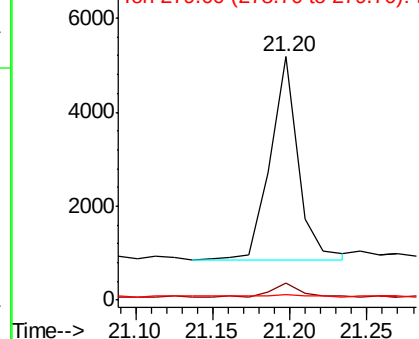


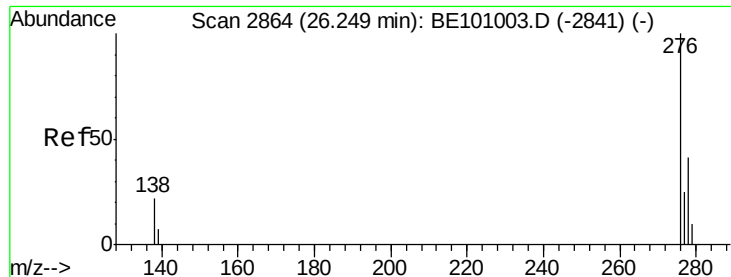
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.20 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BE101030.D
Acq: 10 Jan 2020 19:26

Tgt Ion:149 Resp: 5462
Ion Ratio Lower Upper
149 100
167 6.7 5.2 7.8
279 1.2 0.8 1.2



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

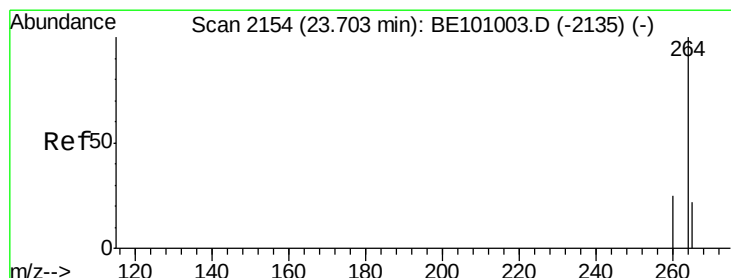
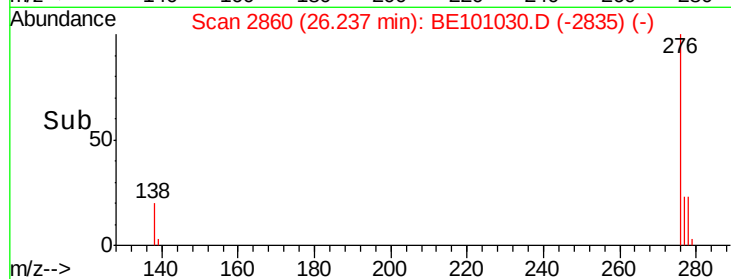
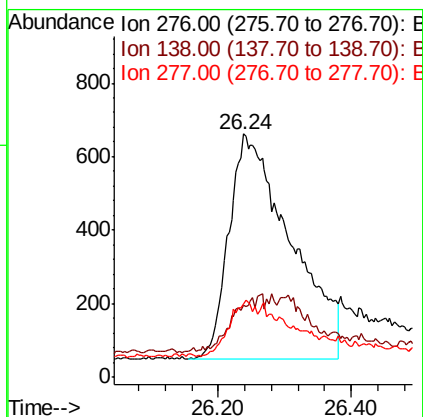
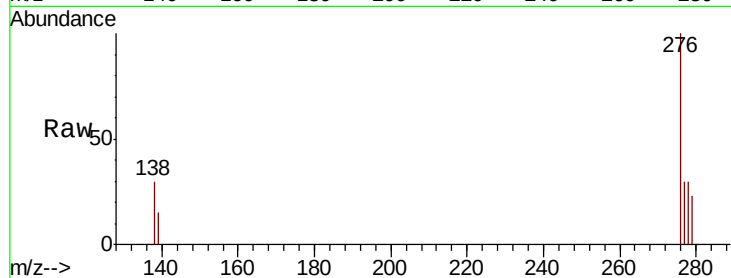




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.081 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BE101030.D
 Acq: 10 Jan 2020 19:26

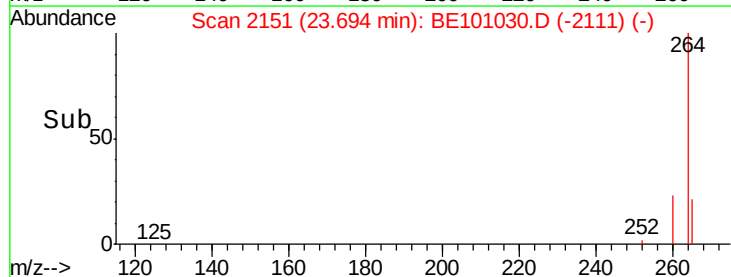
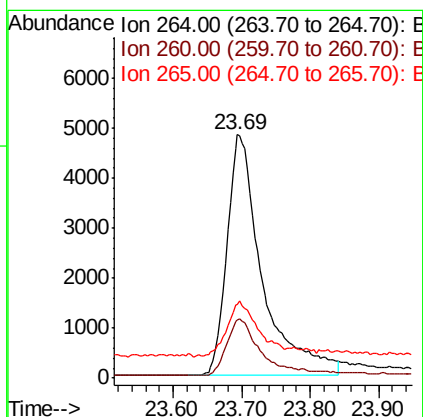
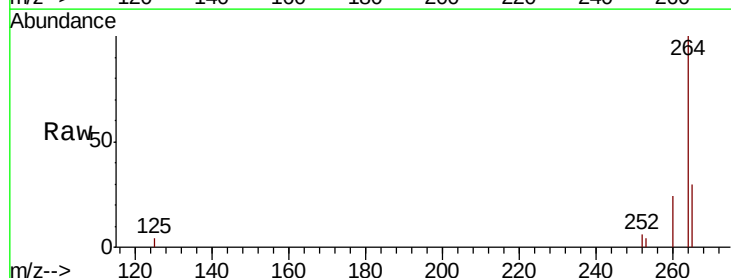
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

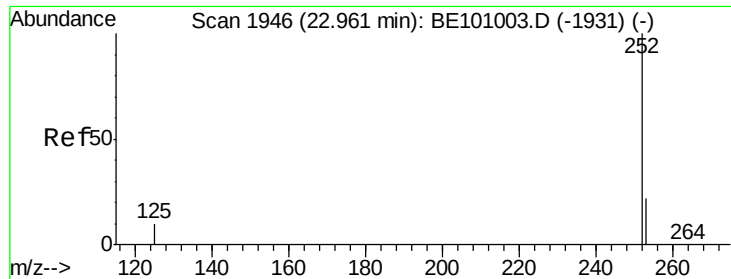
Tot Ion:276 Resp: 3924
 Ion Ratio Lower Upper
 276 100
 138 8.5 16.1 24.1#
 277 10.4 18.1 27.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BE101030.D
 Acq: 10 Jan 2020 19:26

Tgt Ion:264 Resp: 17292
 Ion Ratio Lower Upper
 264 100
 260 23.6 20.3 30.5
 265 30.1 27.0 40.4





#35

Benzo(b)fluoranthene

Concen: 0.062 ng

RT: 22.96 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

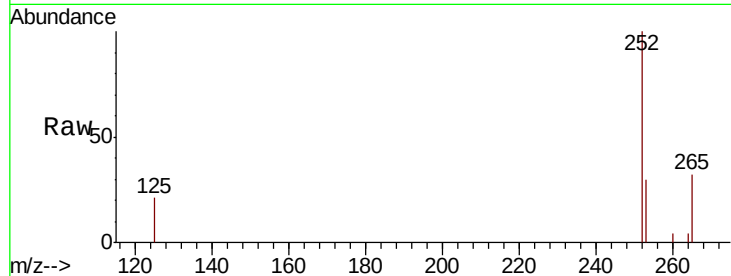
Tot Ion:252 Resp: 2984

Ion Ratio Lower Upper

252 100

253 30.4 18.5 27.7#

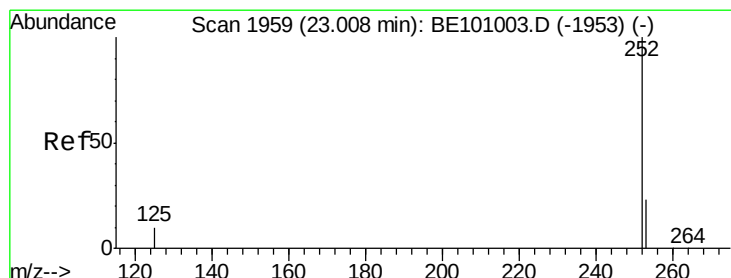
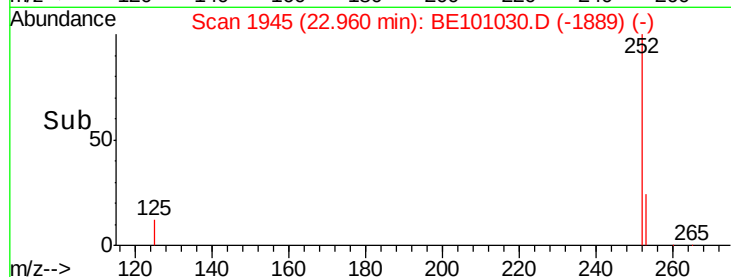
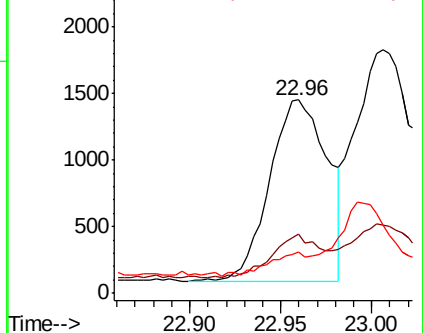
125 21.1 9.5 14.3#



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: 0.070 ng

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

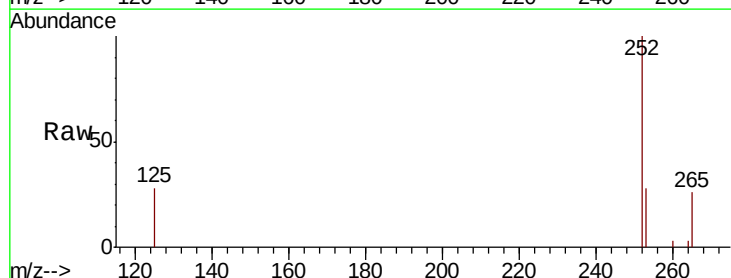
Tgt Ion:252 Resp: 4892

Ion Ratio Lower Upper

252 100

253 28.0 18.9 28.3

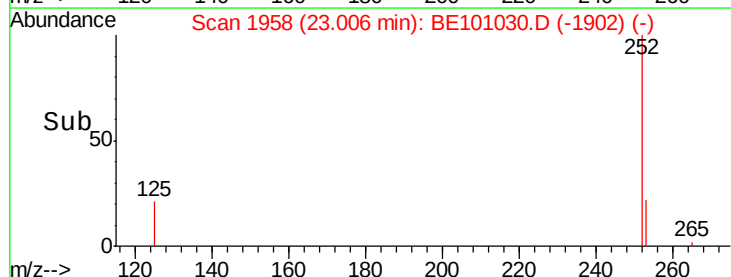
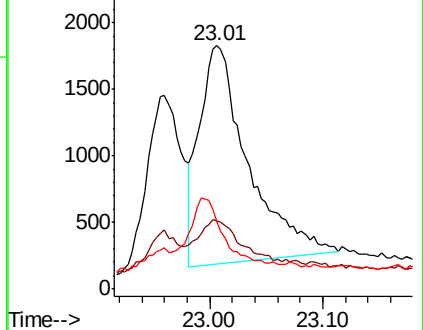
125 28.1 10.1 15.1#

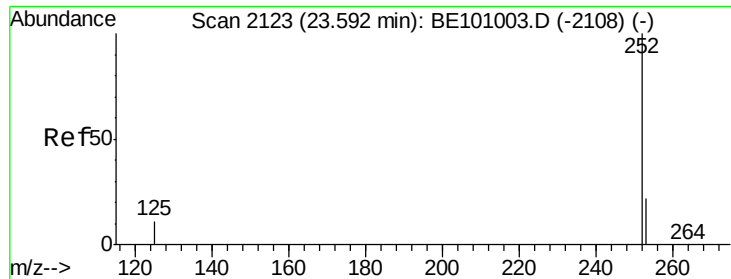


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.076 ng

RT: 23.59 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019

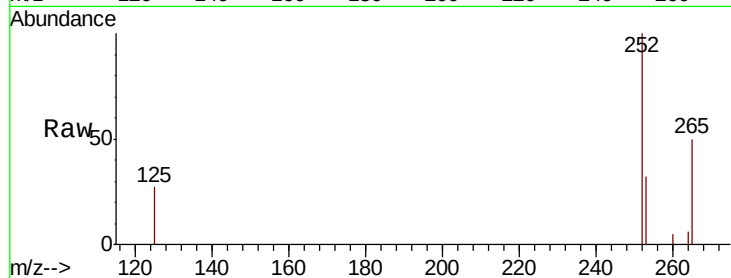
Tot Ion:252 Resp: 3567

Ion Ratio Lower Upper

252 100

253 32.1 19.4 29.2#

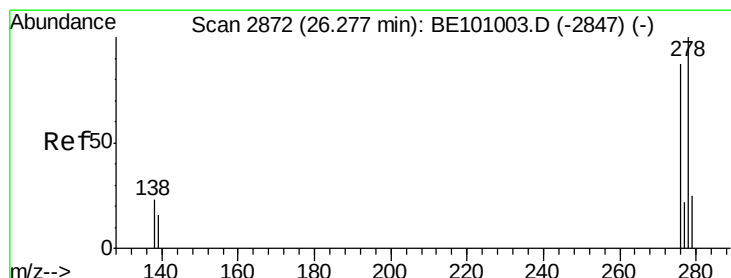
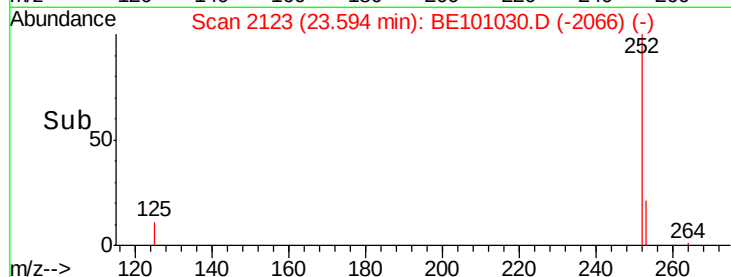
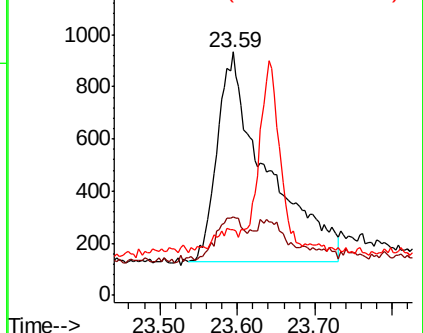
125 26.8 11.8 17.6#



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: 0.064 ng m

RT: 26.27 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE101030.D

Acq: 10 Jan 2020 19:26

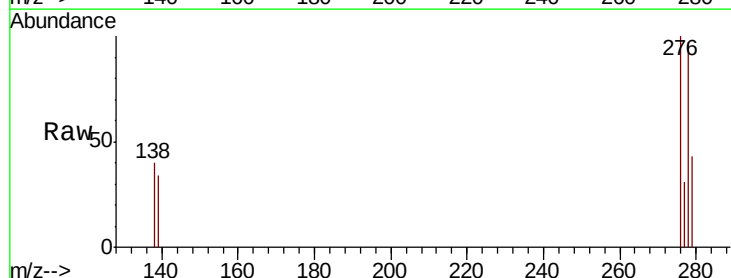
Tgt Ion:278 Resp: 2760

Ion Ratio Lower Upper

278 100

139 35.1 15.0 22.4#

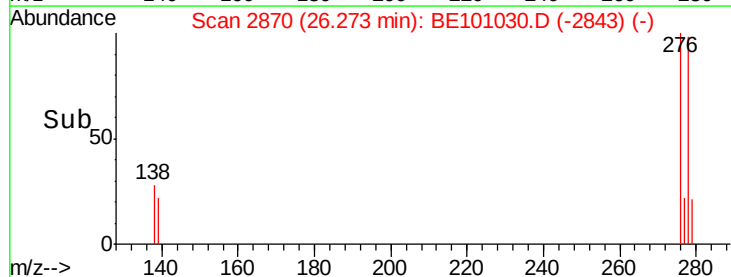
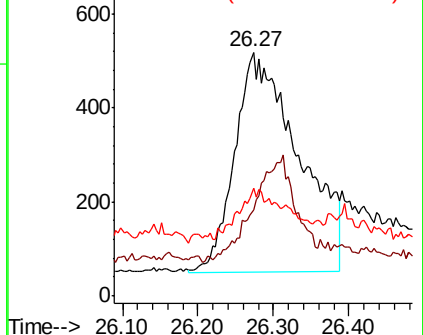
279 44.4 22.6 33.8#

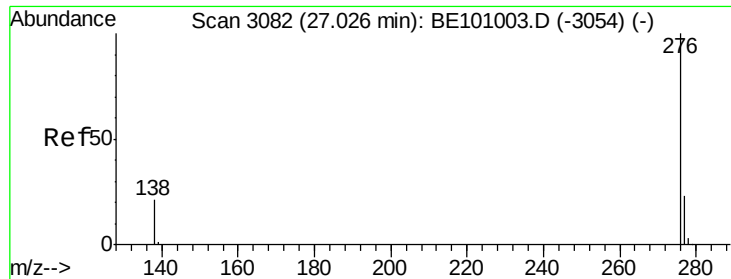


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.076 ng

RT: 27.01 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BE101030.D

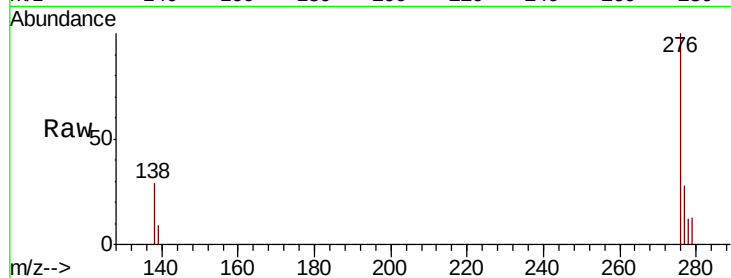
Acq: 10 Jan 2020 19:26

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT3-2019



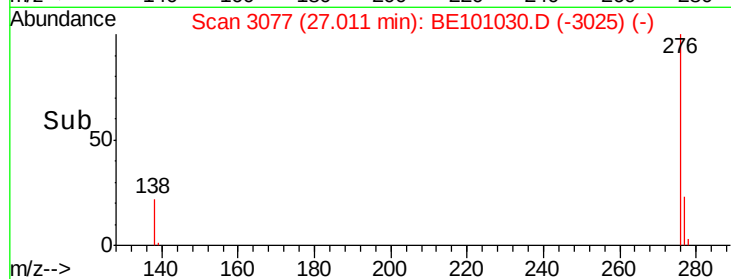
Tot Ion: 276 Resp: 4057

Ion Ratio Lower Upper

276 100

277 28.3 19.4 29.2

138 29.5 17.9 26.9#



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

