

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032919\
 Data File : BN005035.D
 Acq On : 29 Mar 2019 15:52
 Operator : JU/SJ
 Sample : K1560-02
 Misc : LOQ 0.2 PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 29 23:49:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 03:42:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2597	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	10718	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	6487	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	16279	0.40	ng	0.00
27) Chrysene-d12	21.26	240	17957	0.40	ng	0.00
34) Perylene-d12	23.50	264	17535	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	2245	0.35	ng	0.00
5) Phenol-d6	6.85	99	2579	0.34	ng	0.00
8) Nitrobenzene-d5	8.83	82	1990	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	5947	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1118	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	9127	0.37	ng	0.01
25) Fluoranthene-d10	19.10	212	16030	0.34	ng	0.00
29) Terphenyl-d14	19.70	244	14939	0.40	ng	0.00

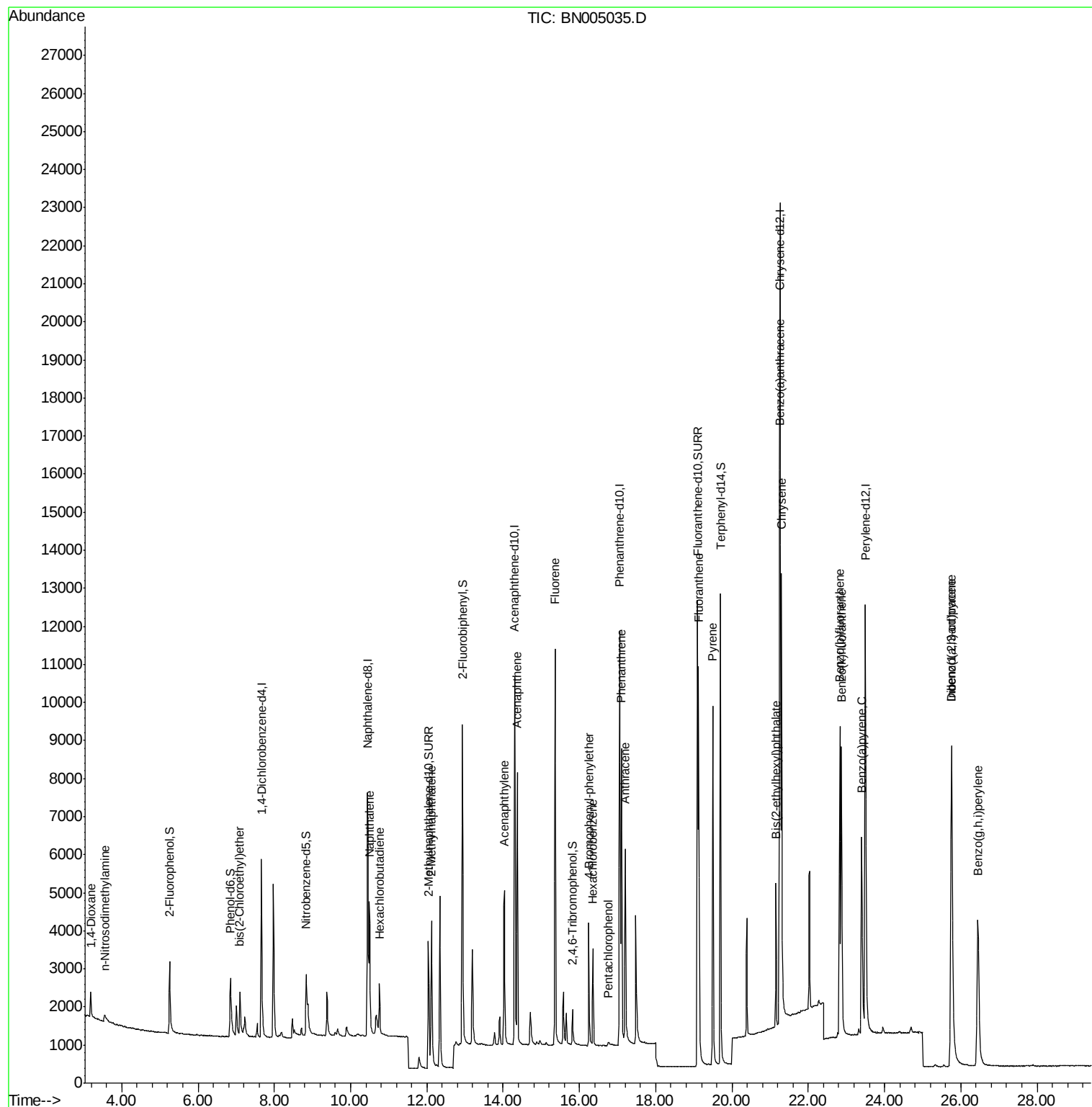
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.19	88	567	0.203	ng	96
3) n-Nitrosodimethylamine	3.55	42	188	0.110	ng	95
6) bis(2-Chloroethyl)ether	7.10	93	1247	0.172	ng	99
9) Naphthalene	10.49	128	5330	0.198	ng	97
10) Hexachlorobutadiene	10.76	225	1032	0.206	ng	# 100
12) 2-Methylnaphthalene	12.12	142	3782	0.195	ng	99
16) Acenaphthylene	14.03	152	5413	0.177	ng	99
17) Acenaphthene	14.37	154	3834	0.197	ng	99
18) Fluorene	15.36	166	5119	0.196	ng	100
20) 4-Bromophenyl-phenylether	16.25	248	1738	0.186	ng	# 88
21) Hexachlorobenzene	16.36	284	2053	0.200	ng	98
22) Pentachlorophenol	16.76	266	152	0.163	ng	# 78
23) Phenanthrene	17.10	178	8710	0.191	ng	99
24) Anthracene	17.20	178	7188	0.177	ng	100
26) Fluoranthene	19.13	202	10559	0.189	ng	99
28) Pyrene	19.50	202	10491	0.206	ng	100
30) Benzo(a)anthracene	21.25	228	9717	0.192	ng	99
31) Chrysene	21.30	228	10865	0.199	ng	99
32) Bis(2-ethylhexyl)phthalate	21.15	149	3287	0.155	ng	100
33) Indeno(1,2,3-cd)pyrene	25.76	276	11614	0.189	ng	99
35) Benzo(b)fluoranthene	22.83	252	10640	0.189	ng	97
36) Benzo(k)fluoranthene	22.87	252	10831	0.199	ng	97
37) Benzo(a)pyrene	23.40	252	9494	0.190	ng	94
38) Dibenzo(a,h)anthracene	25.76	278	9326	0.186	ng	96
39) Benzo(g,h,i)perylene	26.45	276	9929	0.197	ng	99

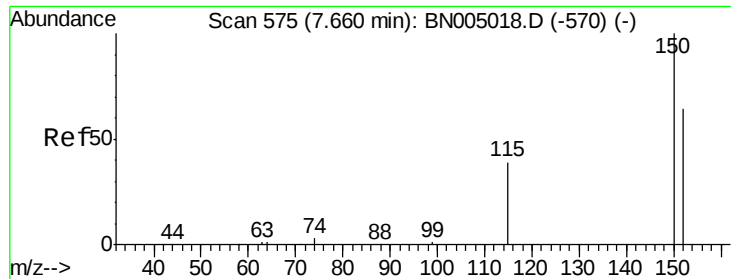
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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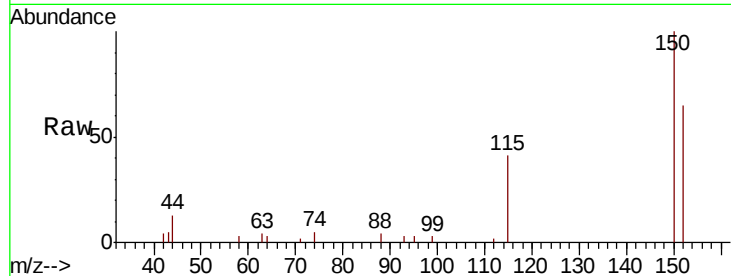


#1

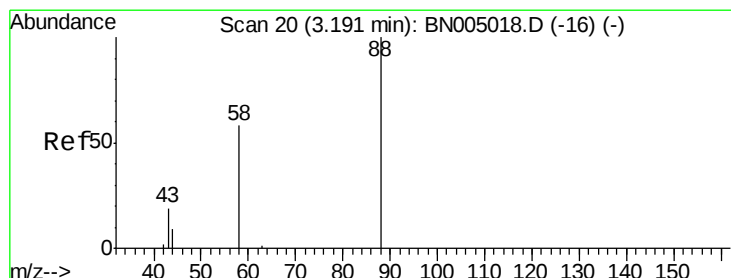
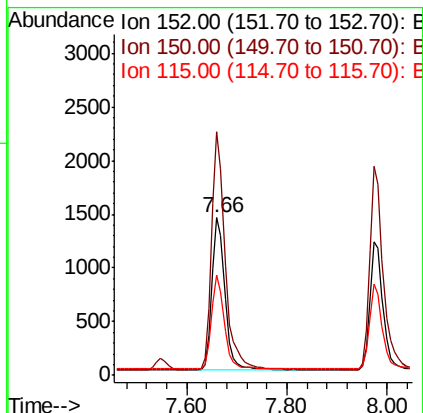
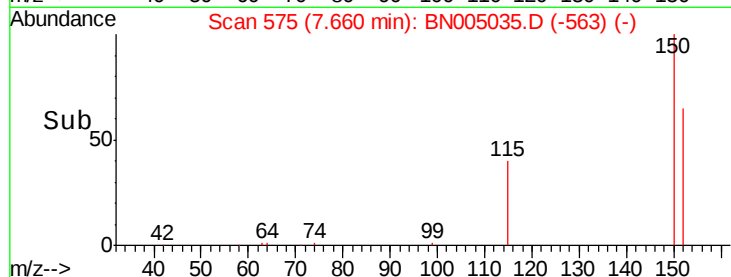
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.66 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BN005035.D
 Acq: 29 Mar 2019 15:52

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

Tgt Ion: 152 Resp: 2597
 Ion Ratio Lower Upper
 152 100
 150 154.4 123.4 185.2
 115 63.7 50.0 75.0



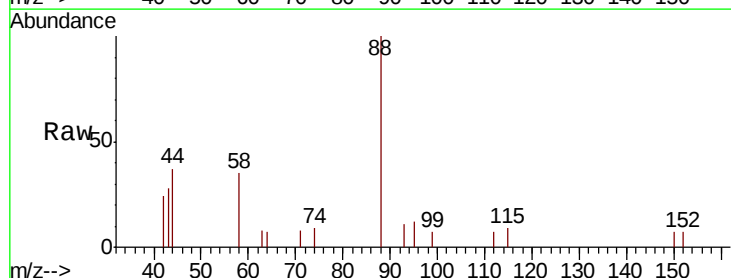
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



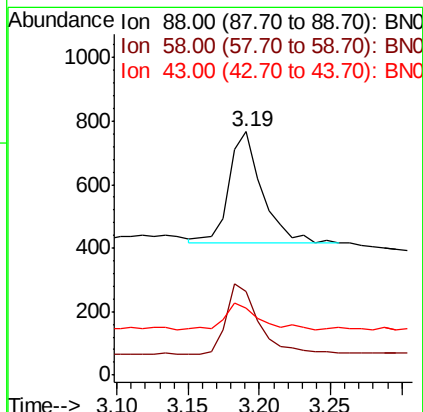
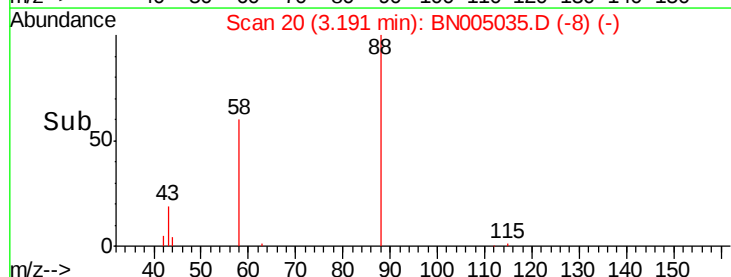
#2

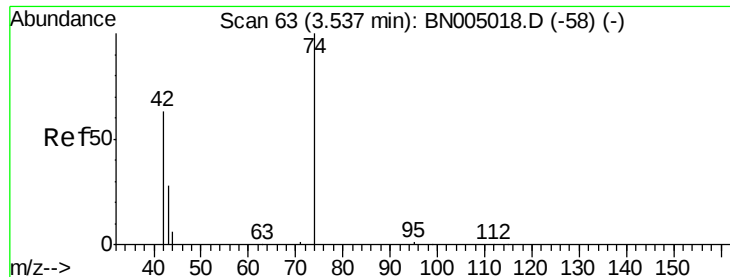
1,4-Dioxane
 Concen: 0.203 ng
 RT: 3.19 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BN005035.D
 Acq: 29 Mar 2019 15:52

Tgt Ion: 88 Resp: 567
 Ion Ratio Lower Upper
 88 100
 58 62.4 52.8 79.2
 43 23.5 19.6 29.4



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





#3

n-Nitrosodimethylamine

Concen: 0.110 ng

RT: 3.55 min Scan# 65

Delta R.T. 0.02 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

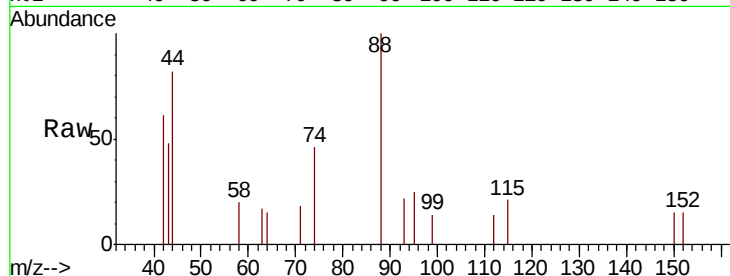
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

74 167.6 129.1 193.7

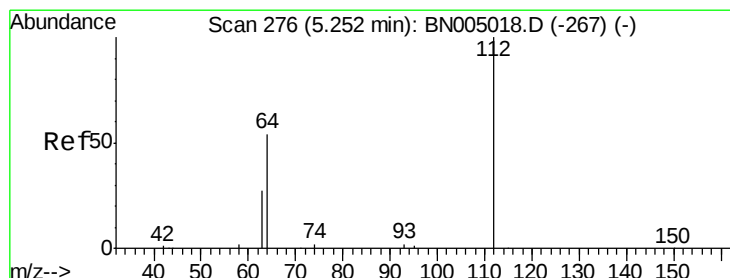
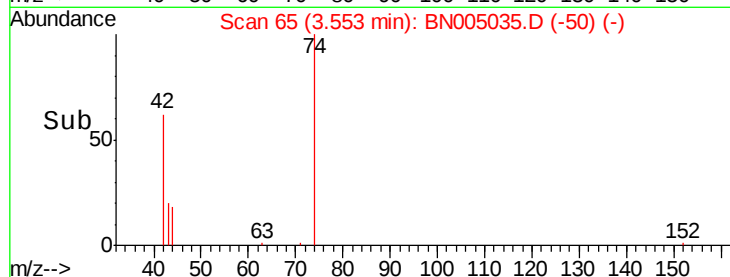
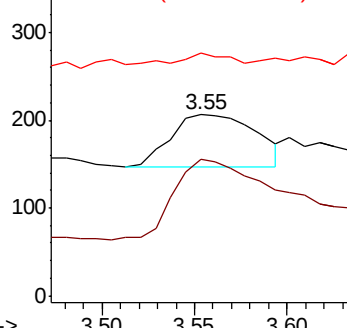
44 12.2 11.6 17.4



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.346 ng

RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

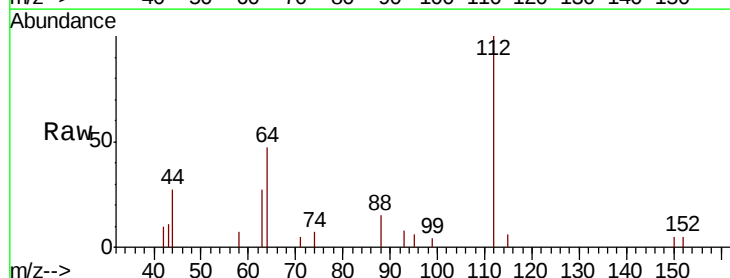
Tgt Ion: 112 Resp: 2245

Ion Ratio Lower Upper

112 100

64 52.8 41.9 62.9

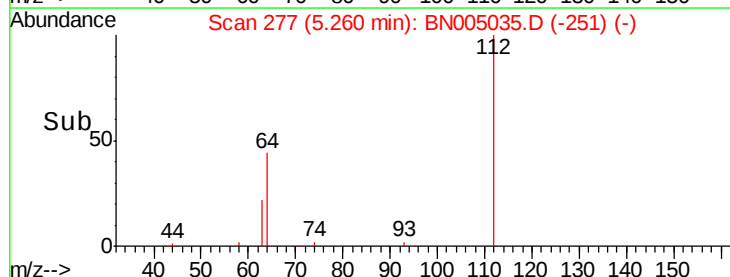
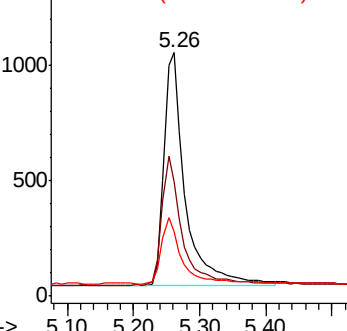
63 27.4 21.5 32.3

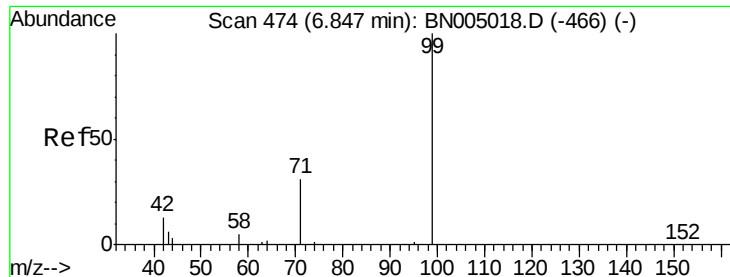


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.336 ng

RT: 6.85 min Scan# 474

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

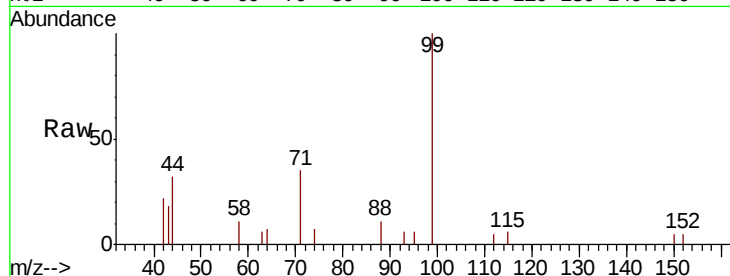
Tgt Ion: 99 Resp: 2579

Ion Ratio Lower Upper

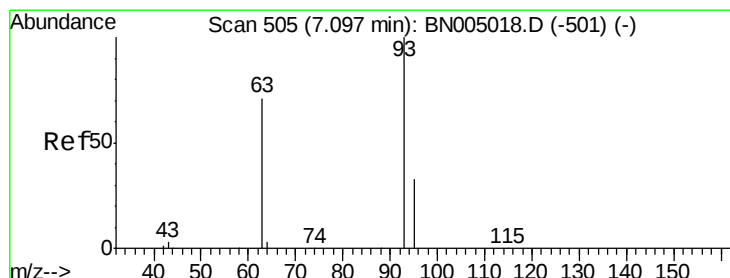
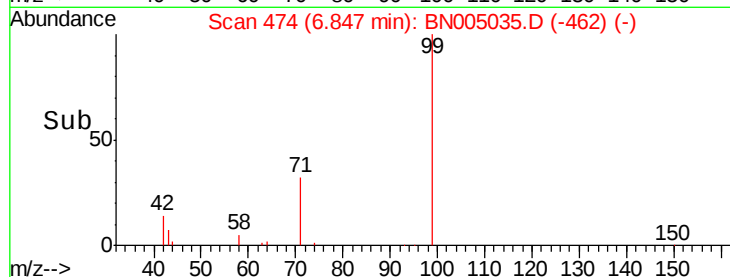
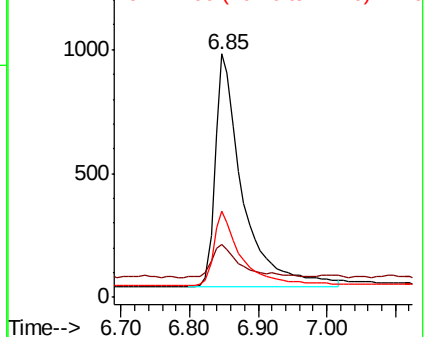
99 100

42 14.9 12.2 18.2

71 31.6 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.172 ng

RT: 7.10 min Scan# 506

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

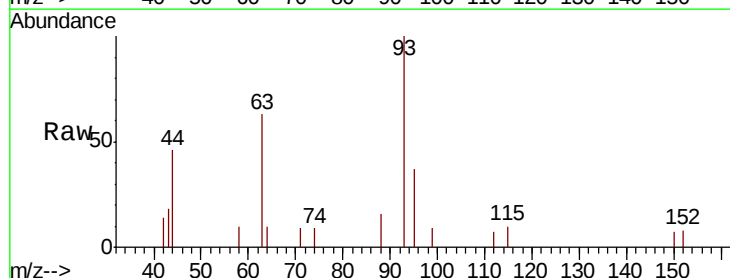
Tgt Ion: 93 Resp: 1247

Ion Ratio Lower Upper

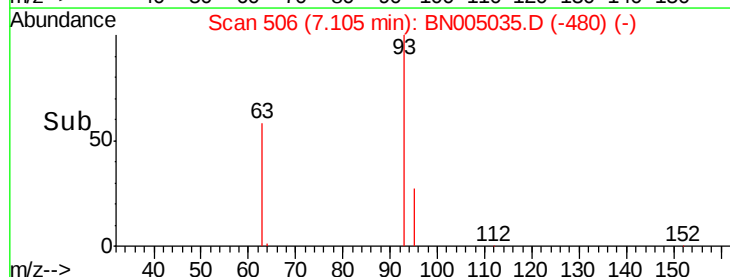
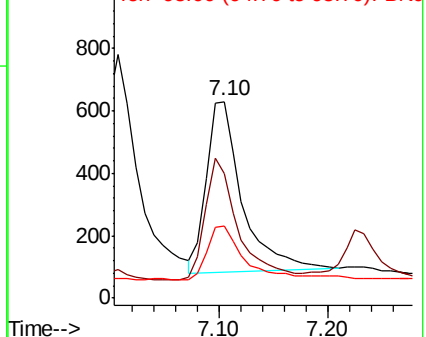
93 100

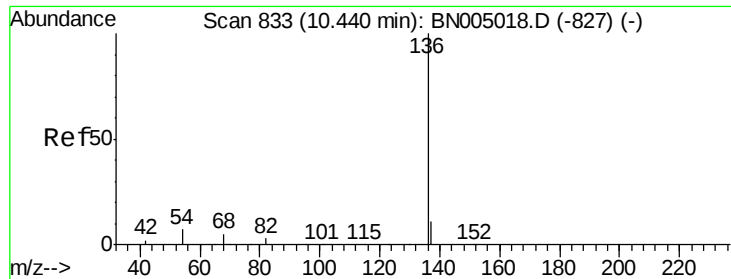
63 65.8 51.8 77.6

95 31.6 24.8 37.2



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:136 Resp: 10718

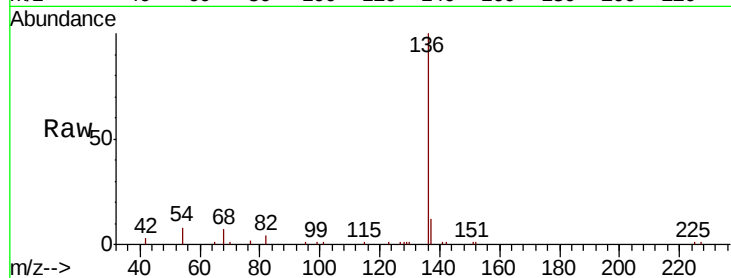
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 8.1 6.0 9.0

68 6.8 5.0 7.6

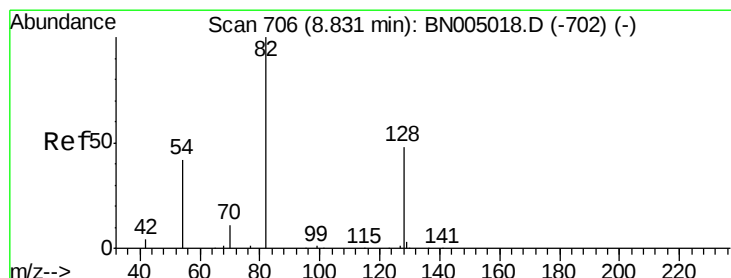
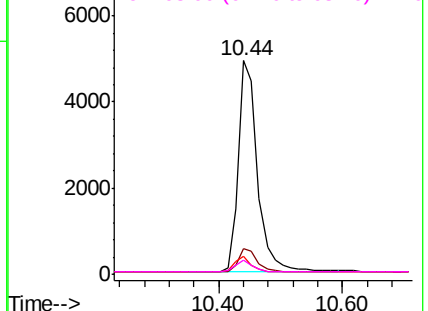
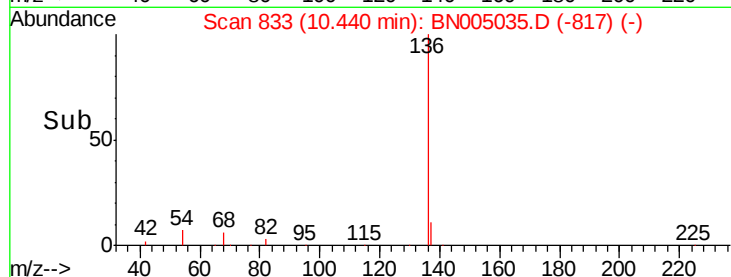


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 8.83 min Scan# 706

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

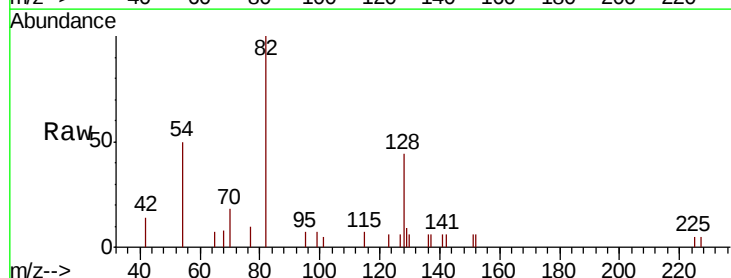
Tgt Ion: 82 Resp: 1990

Ion Ratio Lower Upper

82 100

128 43.6 40.5 60.7

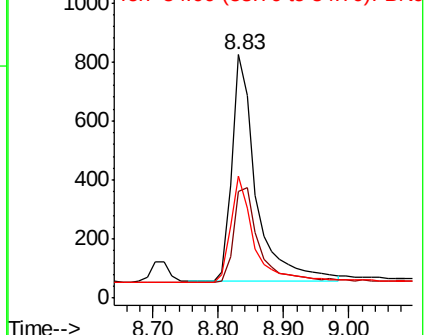
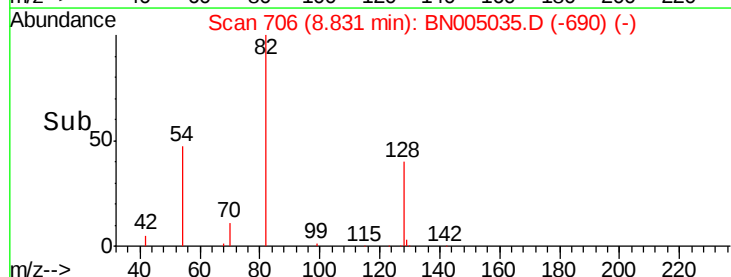
54 49.9 35.7 53.5

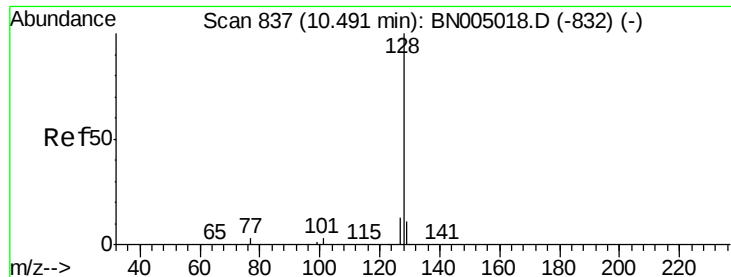


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.198 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

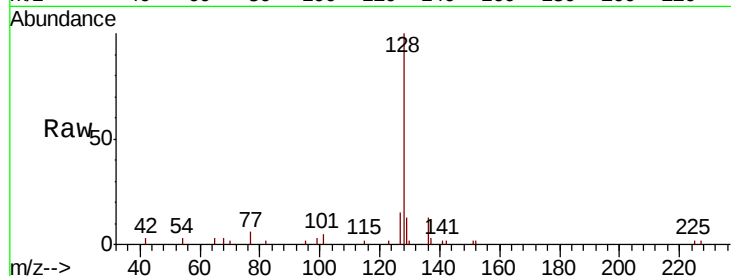
Tgt Ion:128 Resp: 5330

Ion Ratio Lower Upper

128 100

129 12.9 9.4 14.2

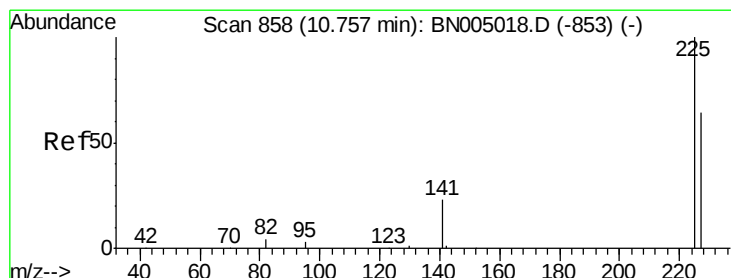
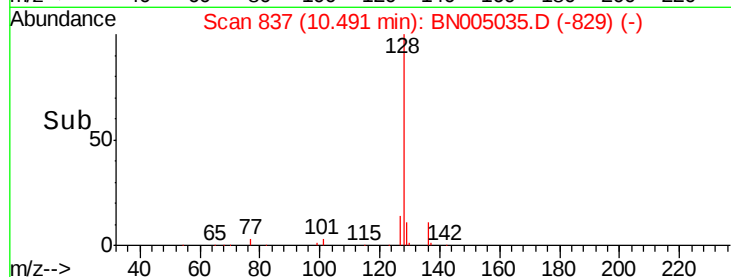
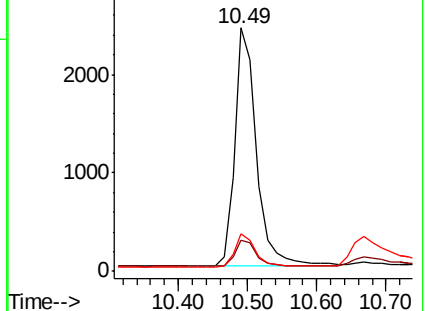
127 15.2 11.0 16.6



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: 0.206 ng

RT: 10.76 min Scan# 858

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

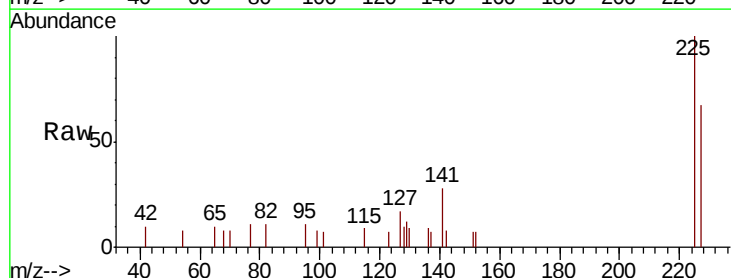
Tgt Ion:225 Resp: 1032

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

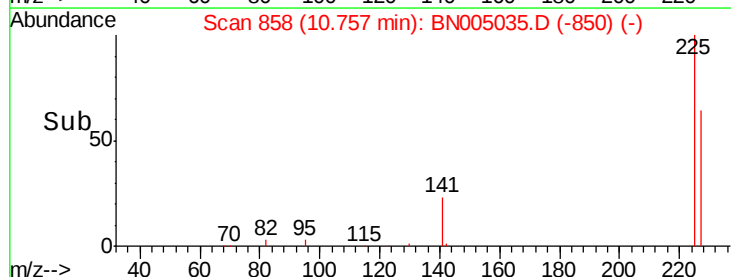
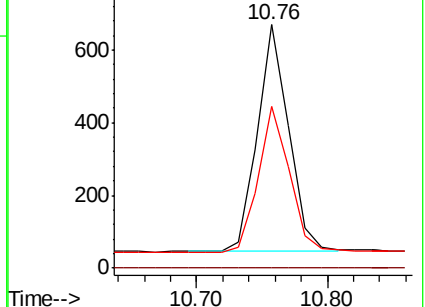
227 64.3 51.5 77.3

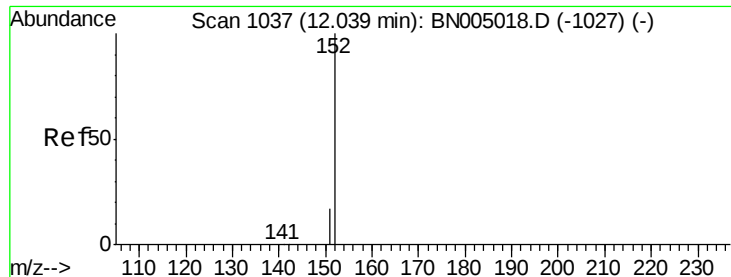


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

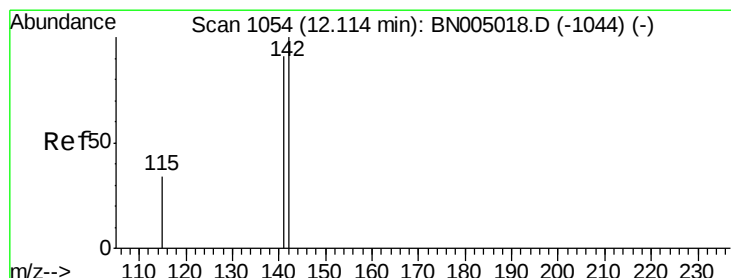
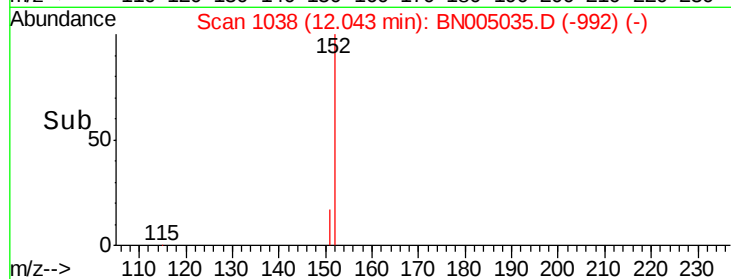
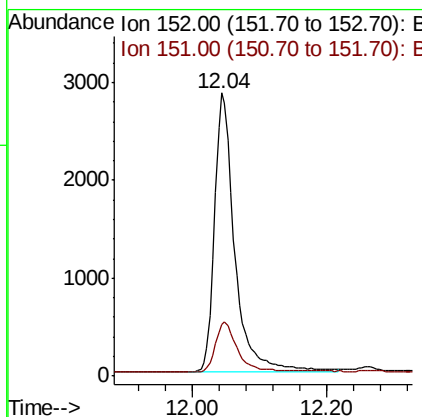
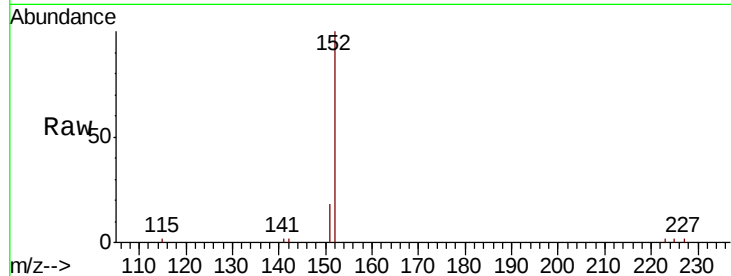




#11
 2-Methylnaphthalene-d10
 Concen: 0.358 ng
 RT: 12.04 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BN005035.D
 Acq: 29 Mar 2019 15:52

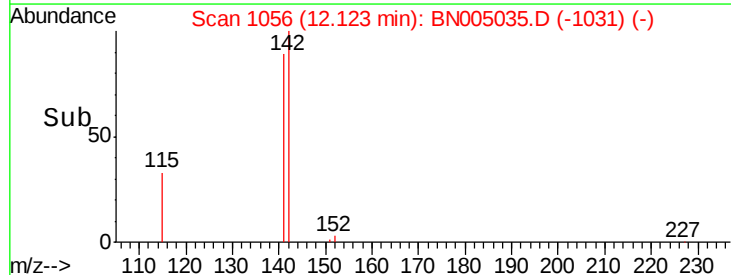
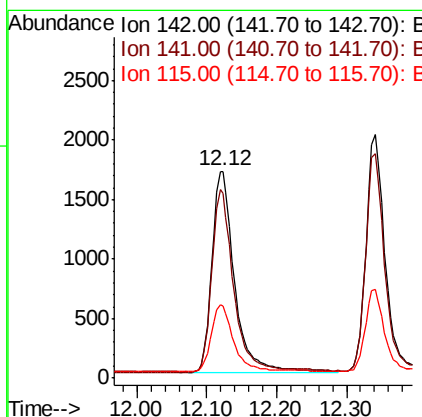
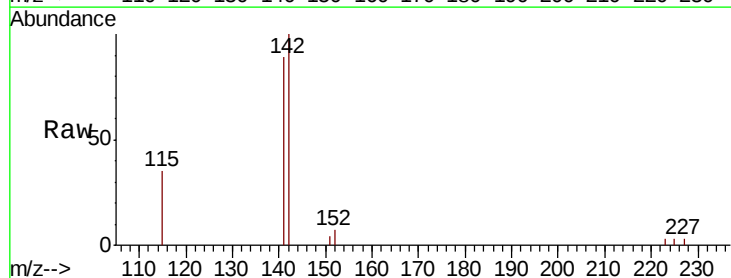
Instrument :
 BNA_N
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 LOQ-SOIL-02-QT1-2019

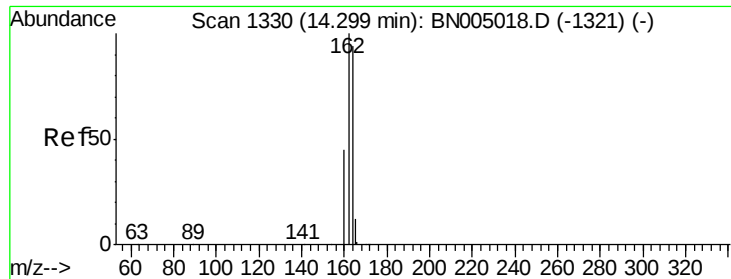
Tgt Ion:152 Resp: 5947
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.195 ng
 RT: 12.12 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: BN005035.D
 Acq: 29 Mar 2019 15:52

Tgt Ion:142 Resp: 3782
 Ion Ratio Lower Upper
 142 100
 141 89.0 72.6 108.8
 115 34.9 27.8 41.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

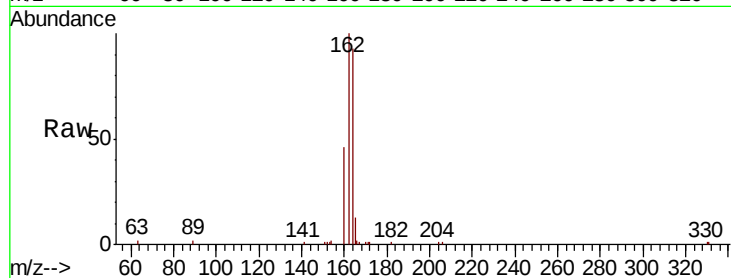
Tgt Ion:164 Resp: 6487

Ion Ratio Lower Upper

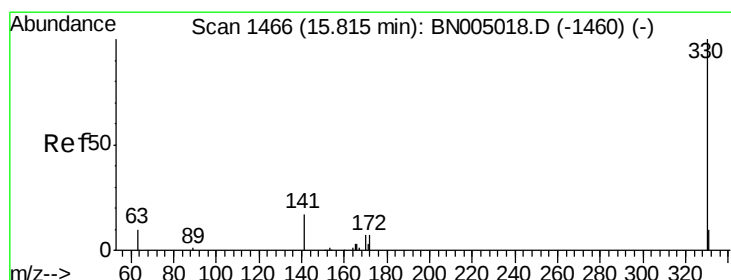
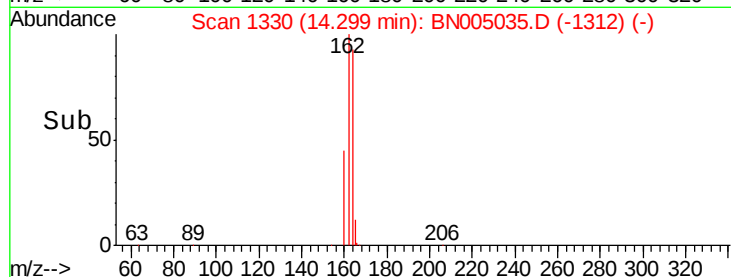
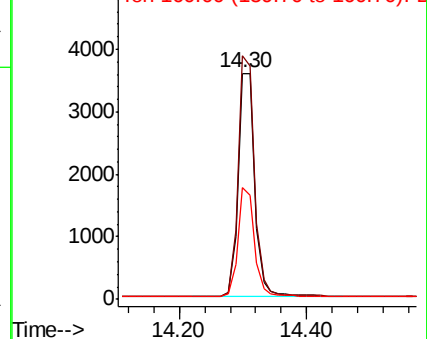
164 100

162 107.8 85.3 127.9

160 49.3 39.2 58.8



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: 0.307 ng

RT: 15.81 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

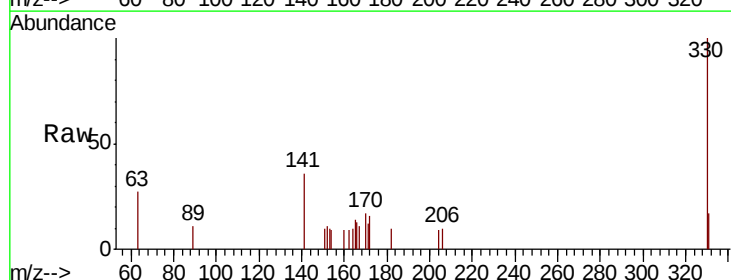
Tgt Ion:330 Resp: 1118

Ion Ratio Lower Upper

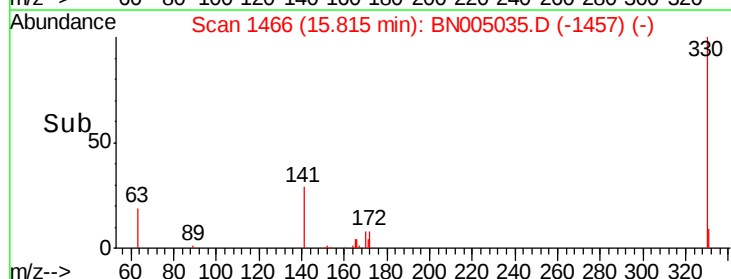
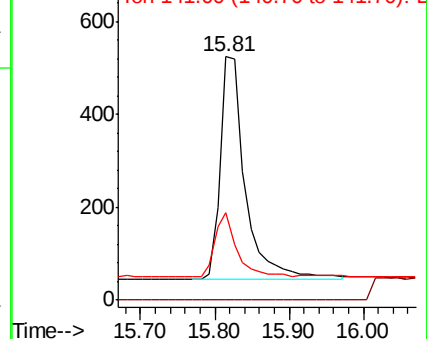
330 100

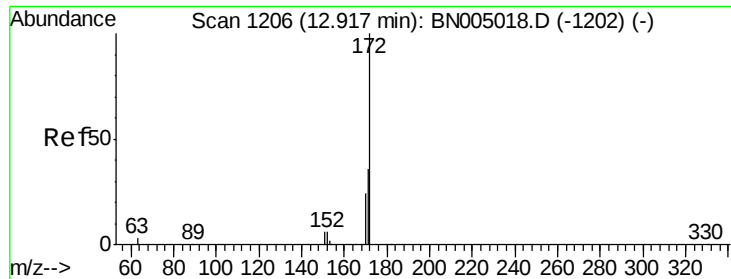
332 0.0 0.0 0.0

141 25.1 21.3 31.9



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

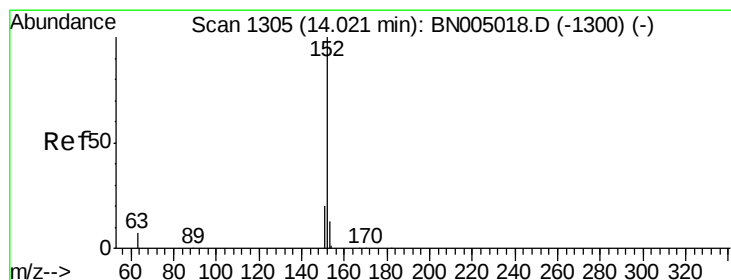
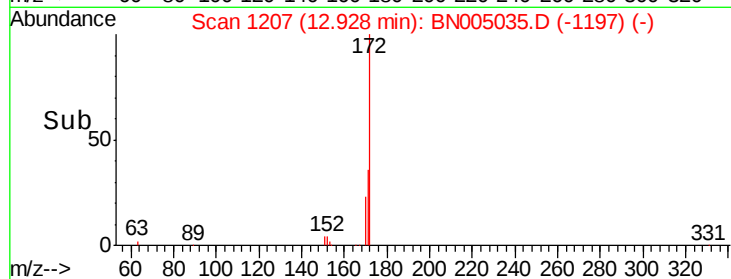
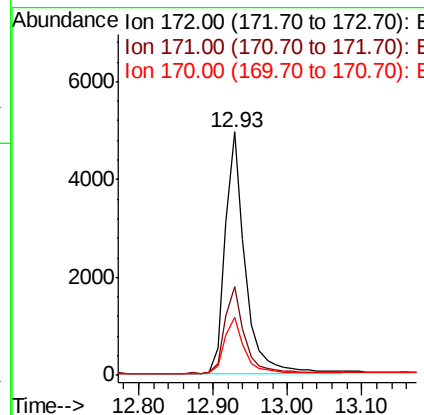
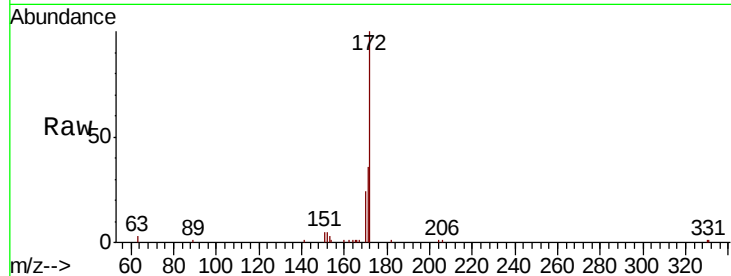




#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005035.D
Acq: 29 Mar 2019 15:52

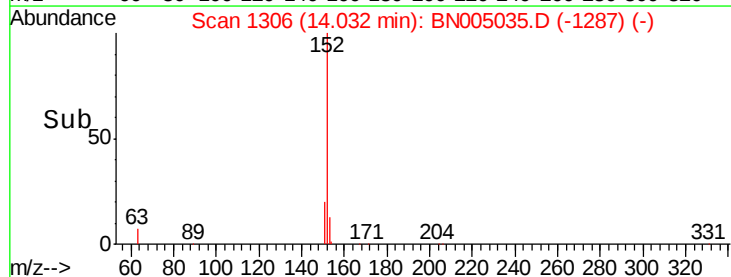
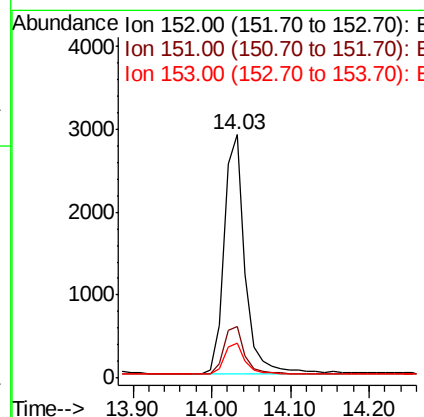
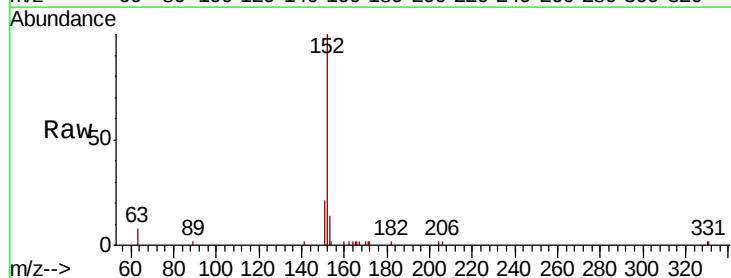
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

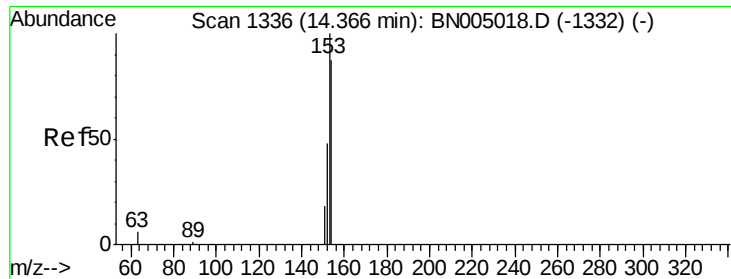
Tgt Ion:172 Resp: 9127
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 23.6 20.0 30.0



#16
Acenaphthylene
Concen: 0.177 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN005035.D
Acq: 29 Mar 2019 15:52

Tgt Ion:152 Resp: 5413
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.6
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.197 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

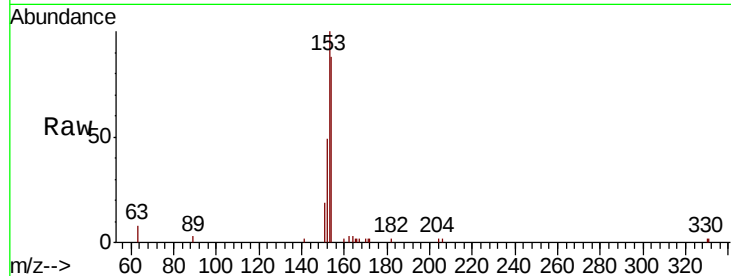
Tgt Ion:154 Resp: 3834

Ion Ratio Lower Upper

154 100

153 114.4 92.1 138.1

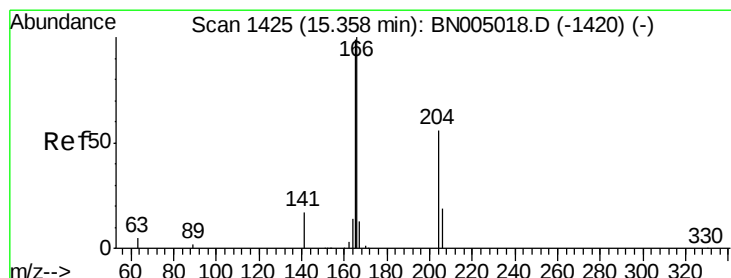
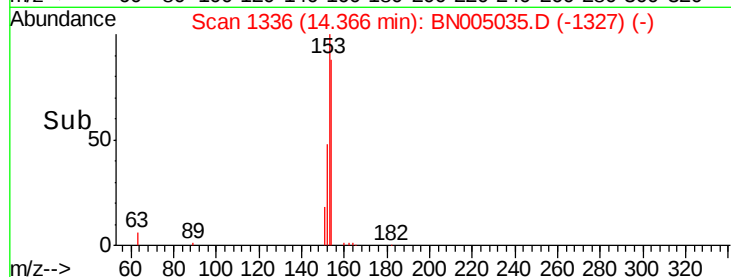
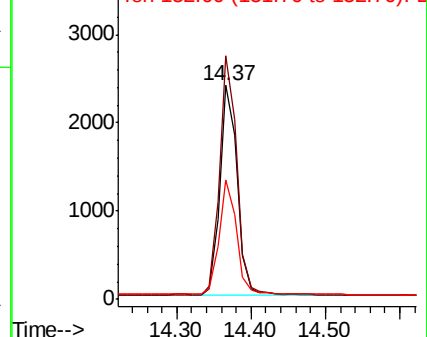
152 54.7 44.2 66.2



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: 0.196 ng

RT: 15.36 min Scan# 1425

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

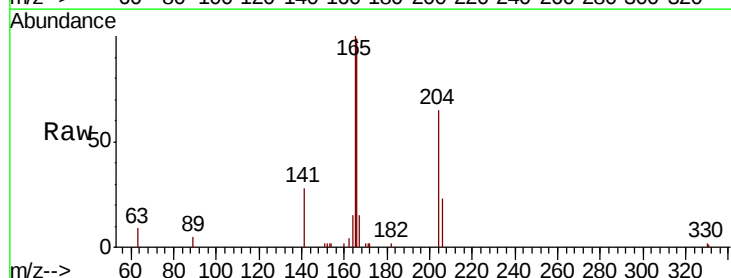
Tgt Ion:166 Resp: 5119

Ion Ratio Lower Upper

166 100

165 98.3 78.7 118.1

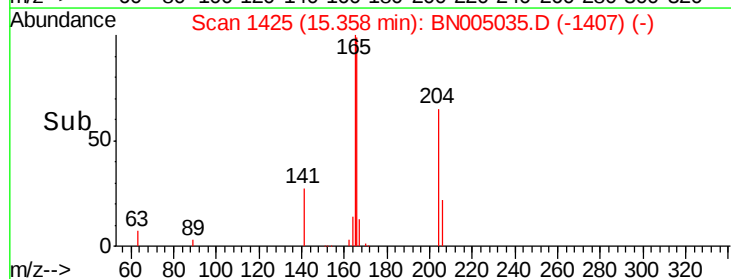
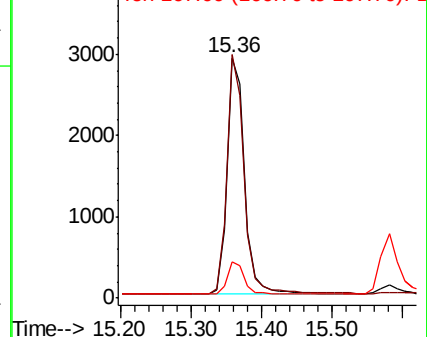
167 13.5 10.9 16.3

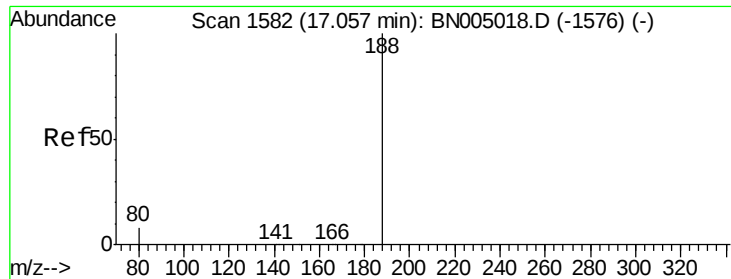


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

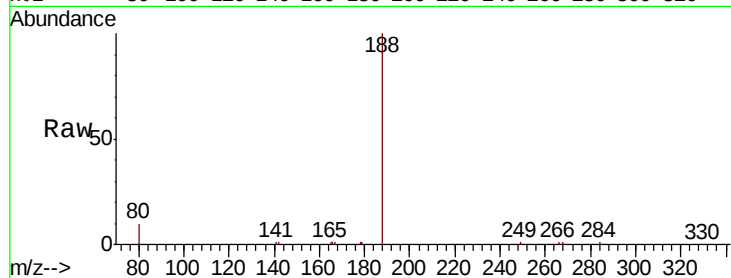
Tgt Ion:188 Resp: 16279

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

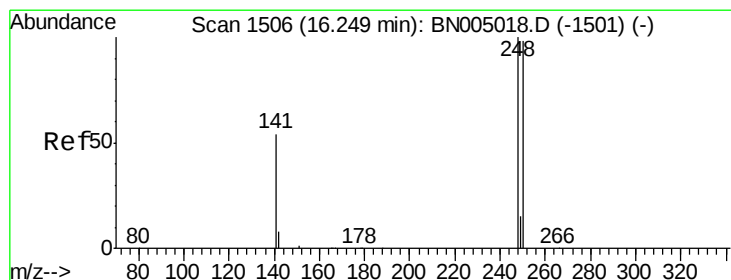
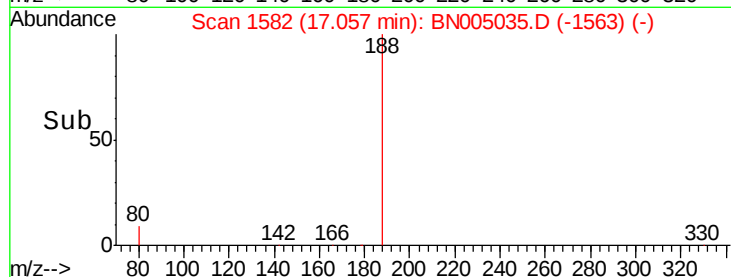
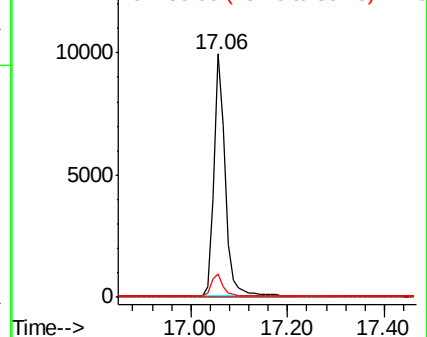
80 9.7 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.186 ng

RT: 16.25 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

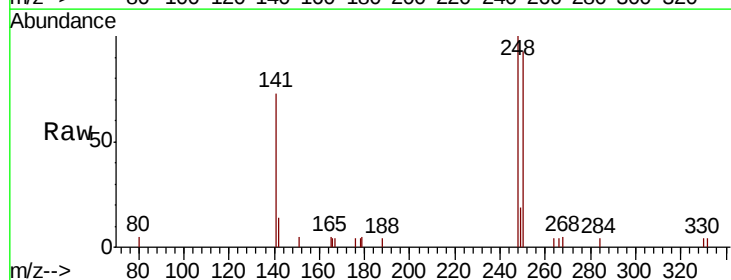
Tgt Ion:248 Resp: 1738

Ion Ratio Lower Upper

248 100

250 93.2 78.6 117.8

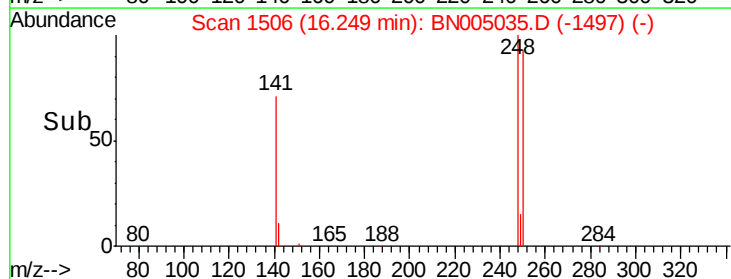
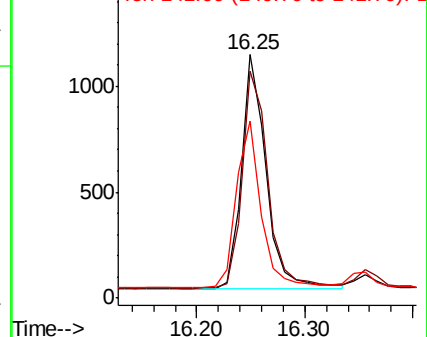
141 72.9 43.6 65.4#

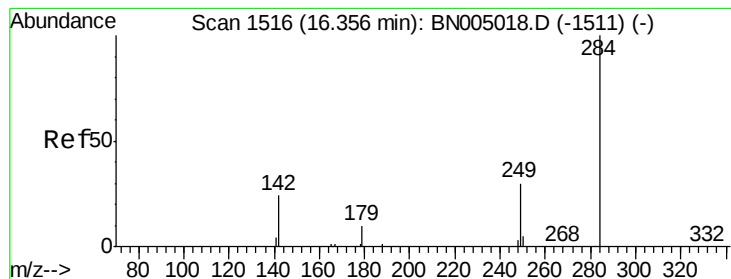


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.200 ng

RT: 16.36 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

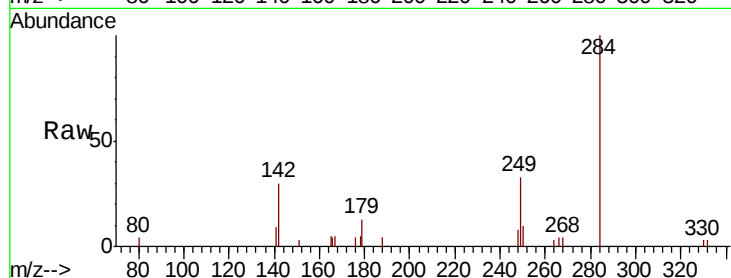
Tgt Ion:284 Resp: 2053

Ion Ratio Lower Upper

284 100

142 30.6 24.9 37.3

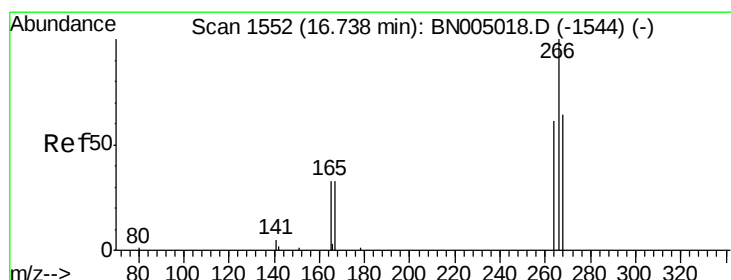
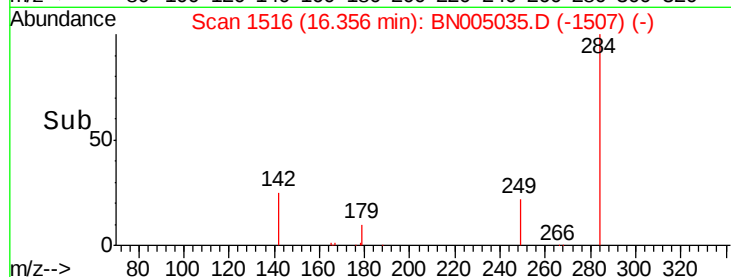
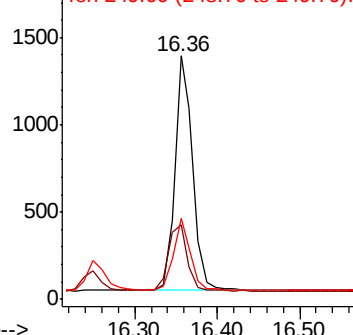
249 28.3 23.8 35.6



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: 0.163 ng

RT: 16.76 min Scan# 1554

Delta R.T. 0.02 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

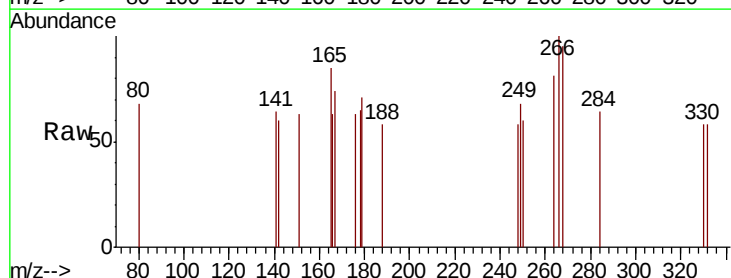
Tgt Ion:266 Resp: 152

Ion Ratio Lower Upper

266 100

264 80.8 53.4 80.0#

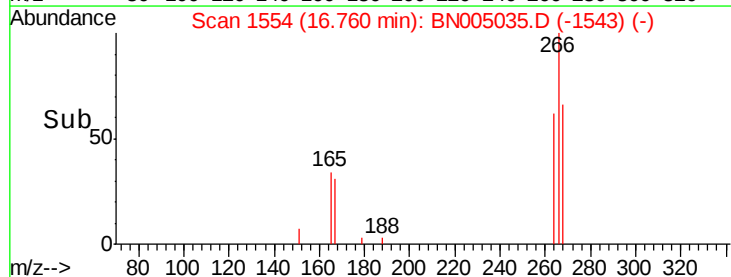
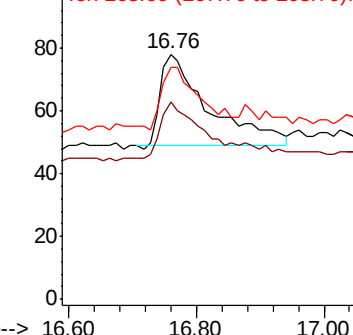
268 94.9 58.9 88.3#

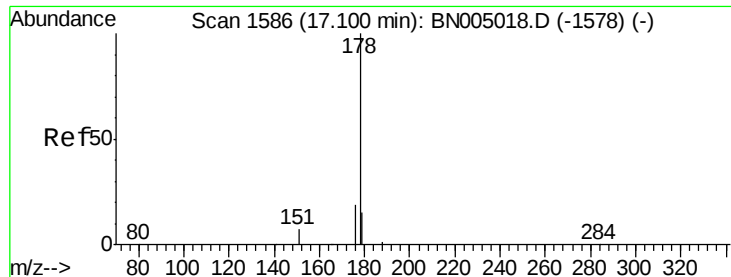


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.191 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

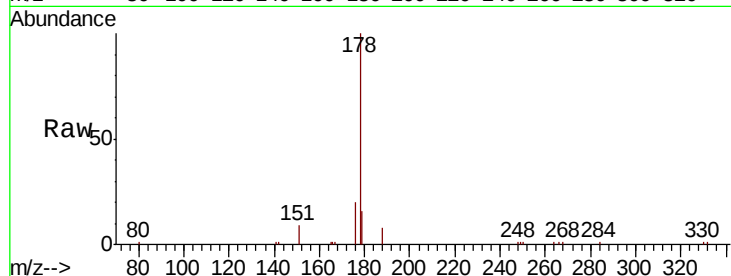
Tgt Ion:178 Resp: 8710

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

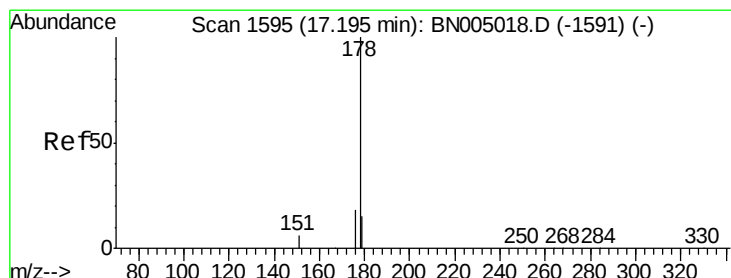
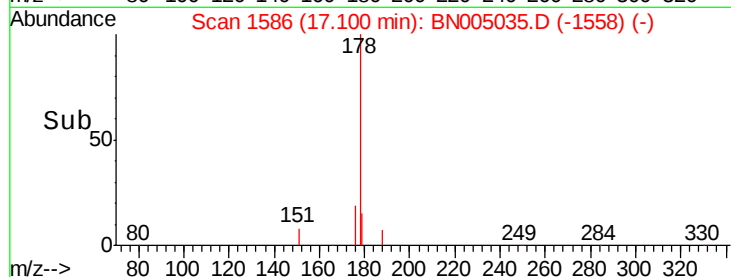
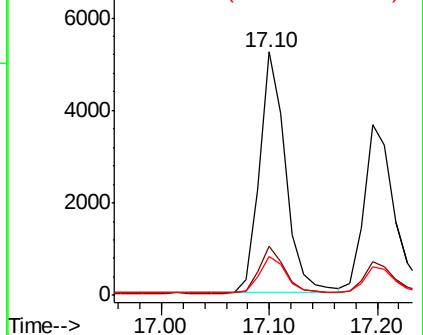
179 15.6 12.2 18.2



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: 0.177 ng

RT: 17.20 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

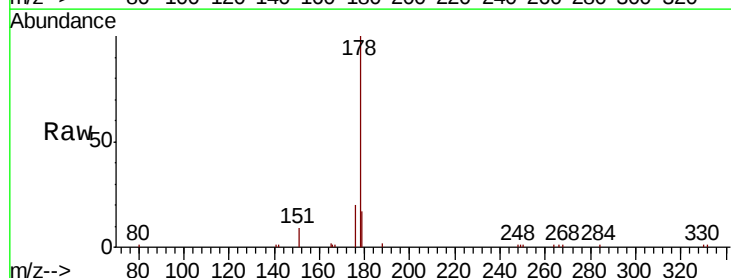
Tgt Ion:178 Resp: 7188

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

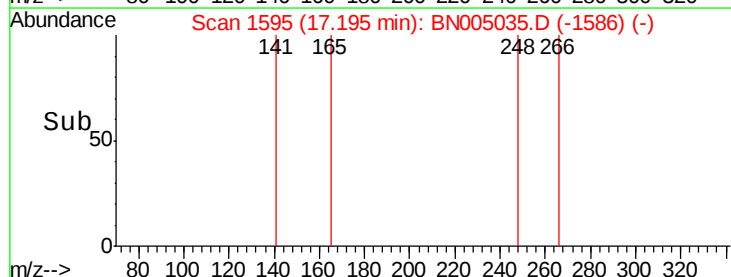
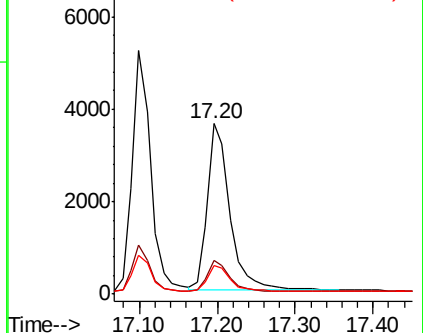
179 15.1 12.3 18.5

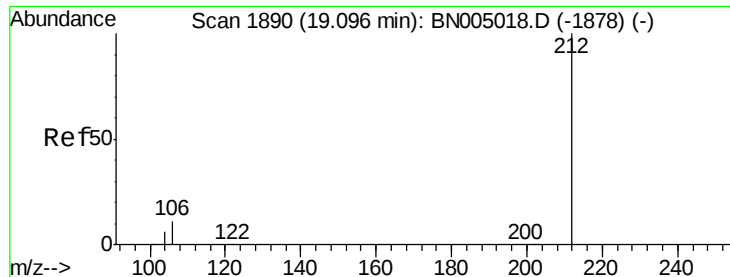


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.345 ng

RT: 19.10 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

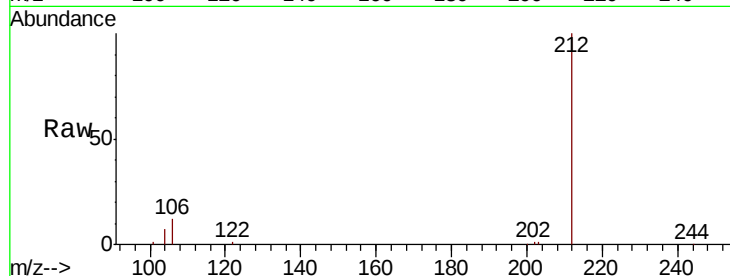
Tgt Ion:212 Resp: 16030

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.2

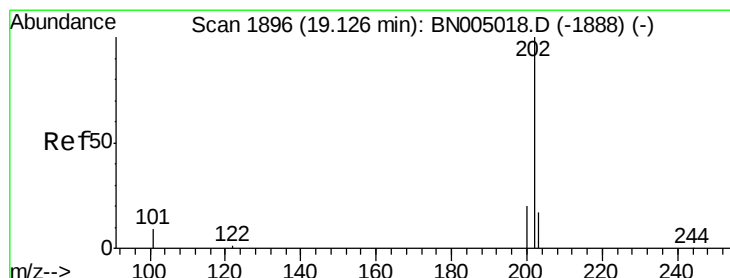
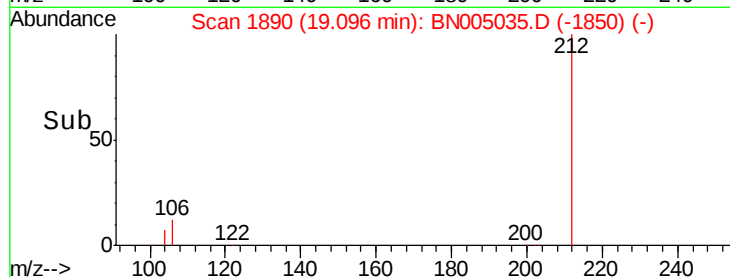
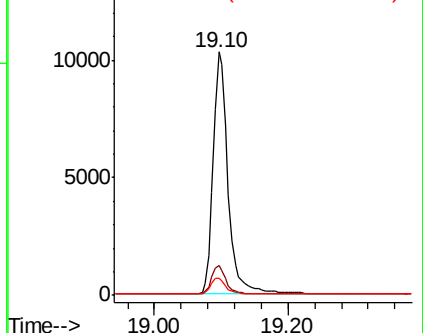
104 6.7 5.4 8.0



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: 0.189 ng

RT: 19.13 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

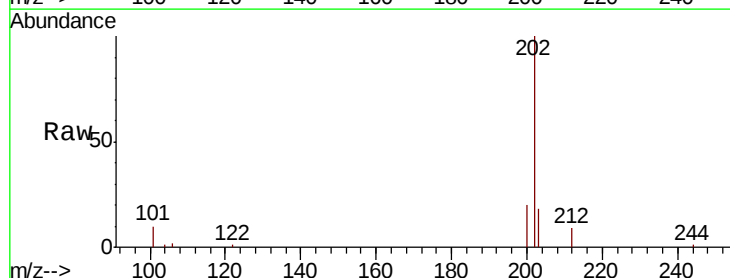
Tgt Ion:202 Resp: 10559

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

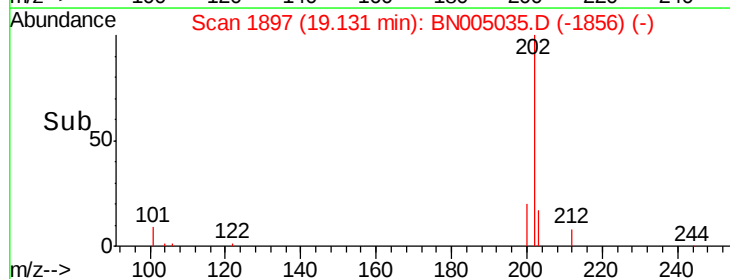
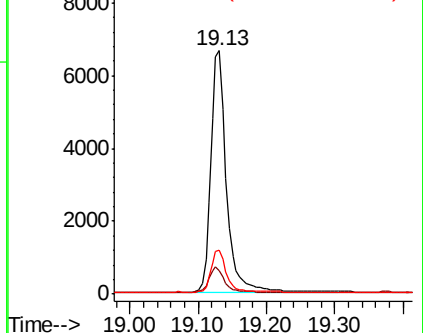
203 16.9 13.8 20.8

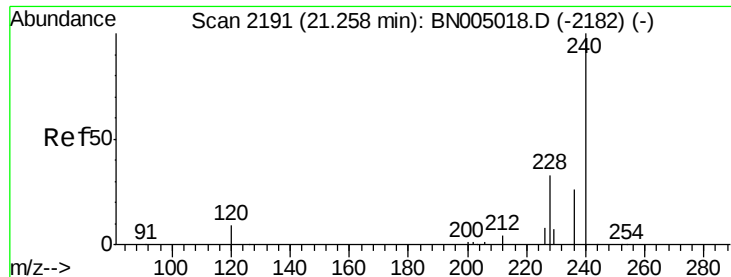


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

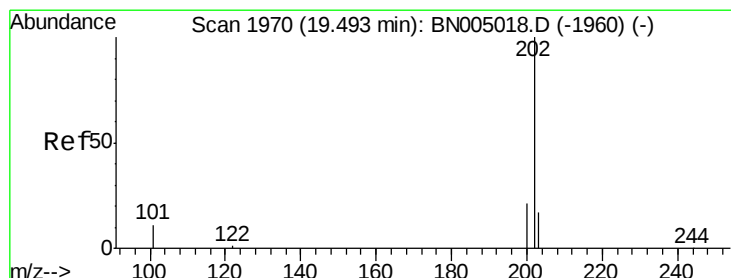
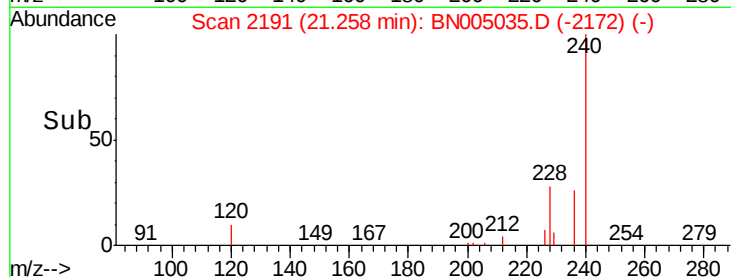
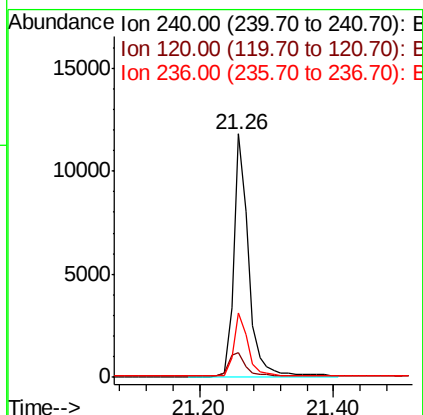
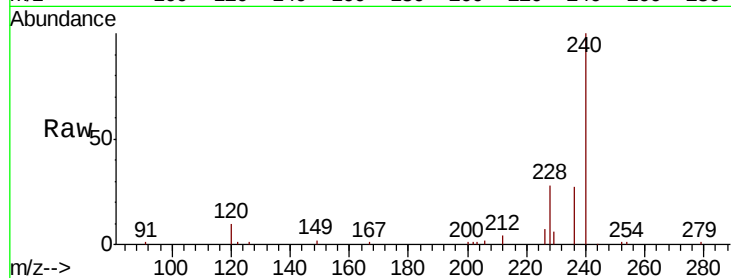




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005035.D
Acq: 29 Mar 2019 15:52

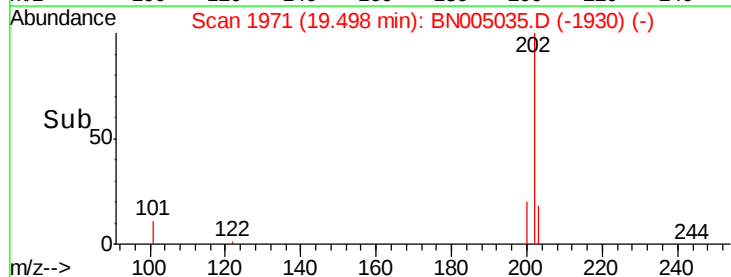
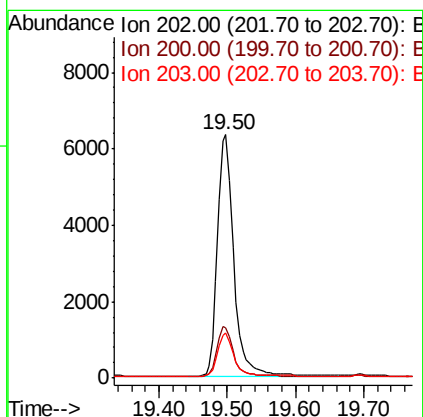
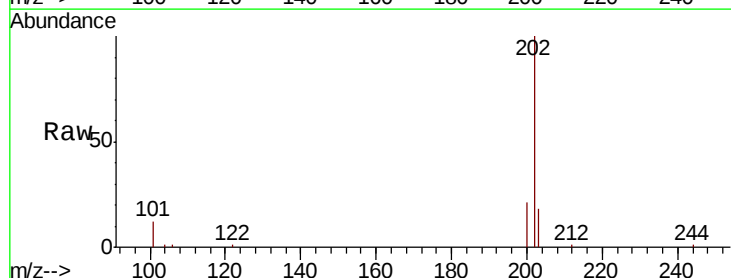
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2019

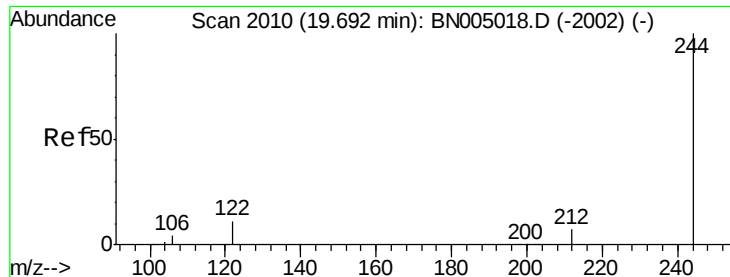
Tgt Ion:240 Resp: 17957
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 26.5 21.0 31.6



#28
Pyrene
Concen: 0.206 ng
RT: 19.50 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BN005035.D
Acq: 29 Mar 2019 15:52

Tgt Ion:202 Resp: 10491
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.8 13.9 20.9





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

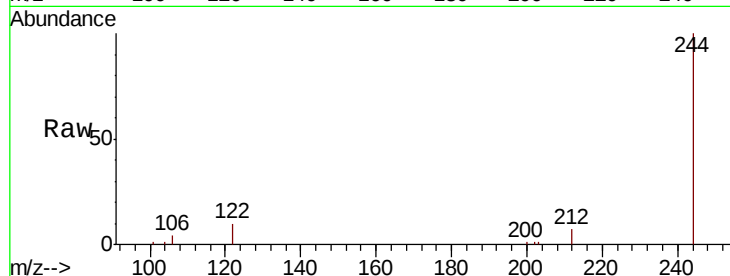
Tgt Ion:244 Resp: 14939

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

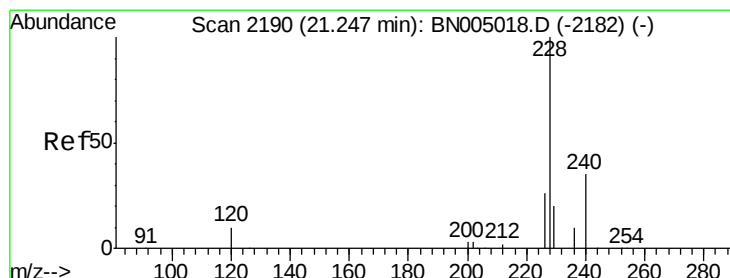
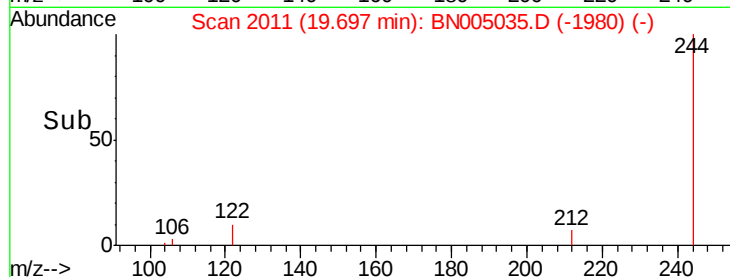
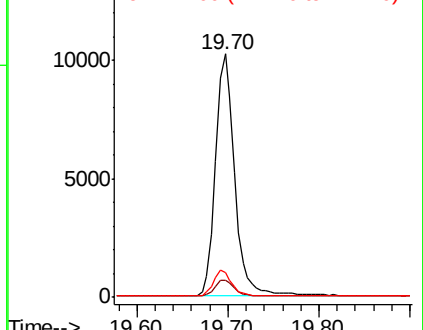
122 10.1 9.0 13.4



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: 0.192 ng

RT: 21.25 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

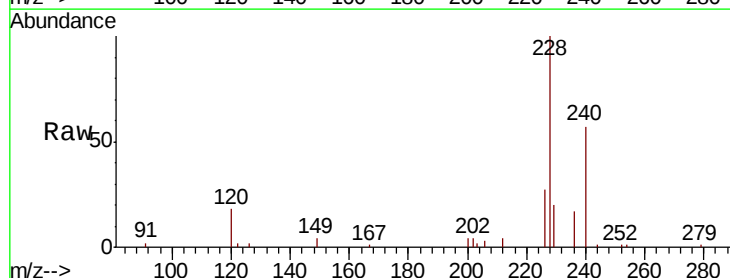
Tgt Ion:228 Resp: 9717

Ion Ratio Lower Upper

228 100

226 26.9 20.9 31.3

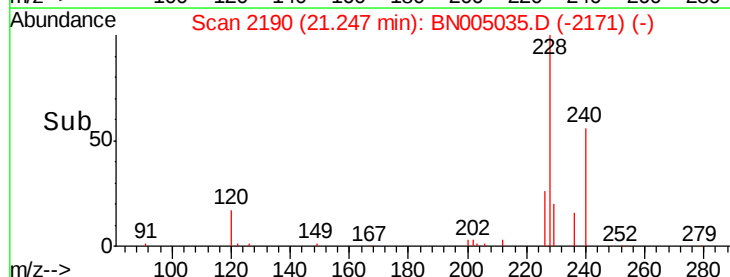
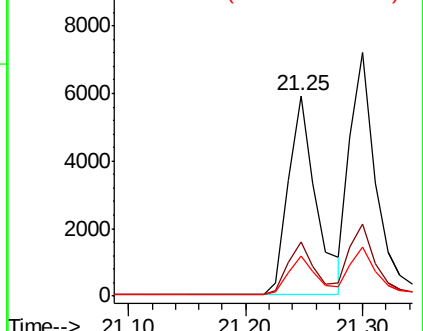
229 20.3 16.2 24.2

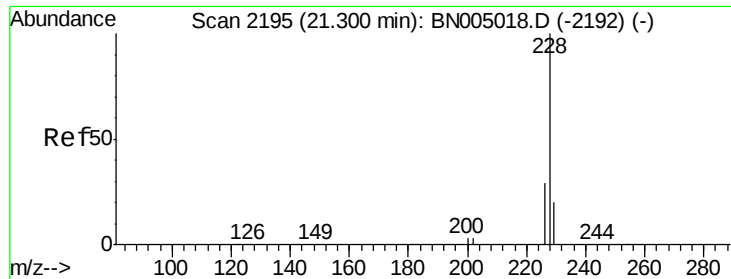


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.199 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

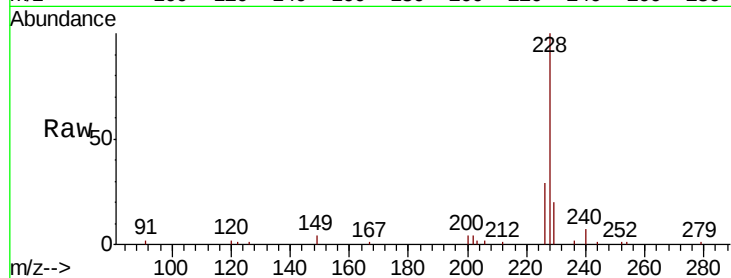
Tgt Ion:228 Resp: 10865

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

229 20.0 16.2 24.4

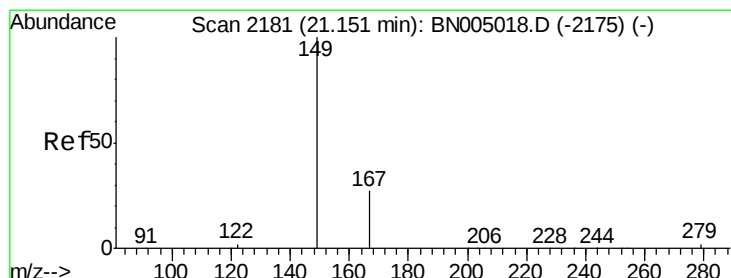
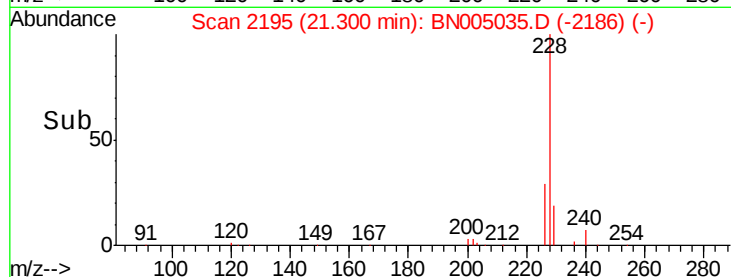
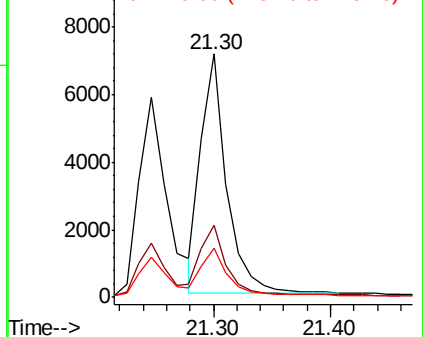


Abundance

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: 0.155 ng

RT: 21.15 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

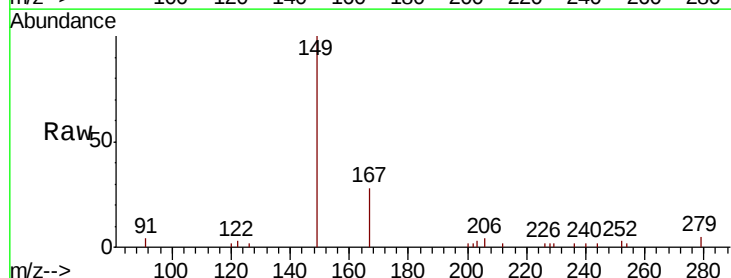
Tgt Ion:149 Resp: 3287

Ion Ratio Lower Upper

149 100

167 27.9 22.2 33.4

279 5.8 4.2 6.4

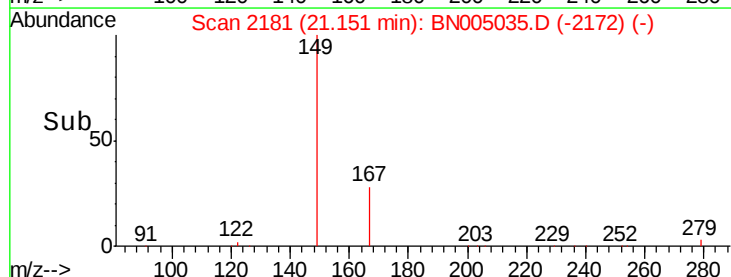
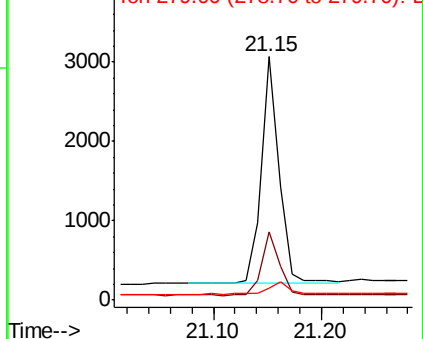


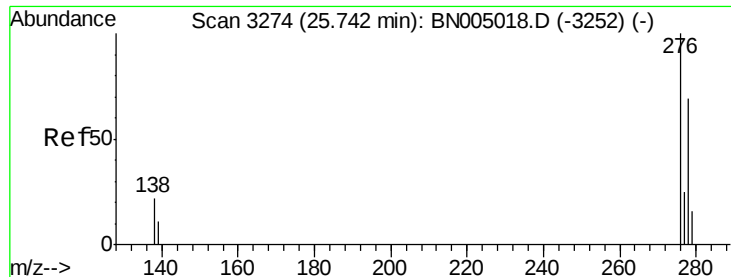
Abundance

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: 0.189 ng

RT: 25.76 min Scan# 3278

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

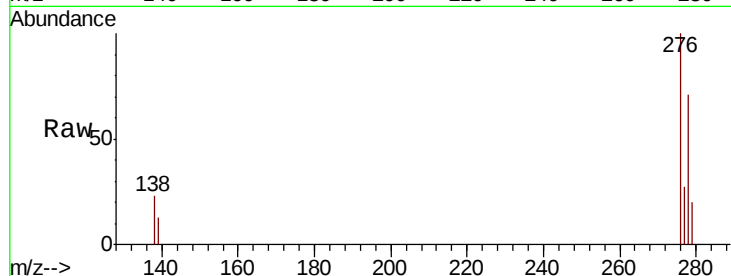
Tgt Ion:276 Resp: 11614

Ion Ratio Lower Upper

276 100

138 22.3 18.2 27.2

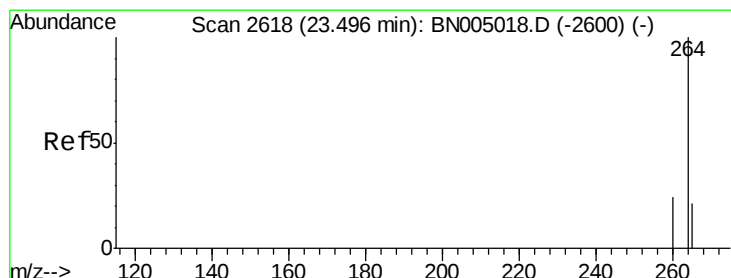
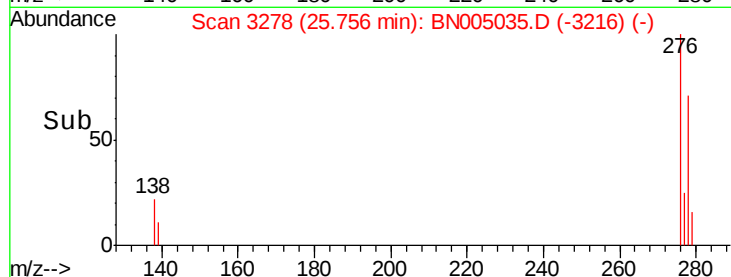
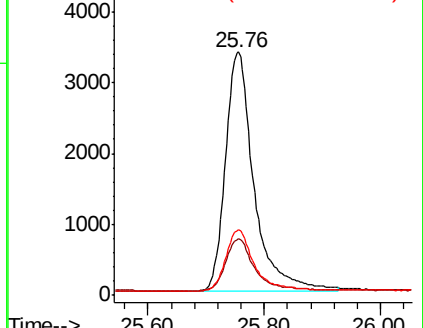
277 25.2 20.3 30.5



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: 23.50 min Scan# 2618

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

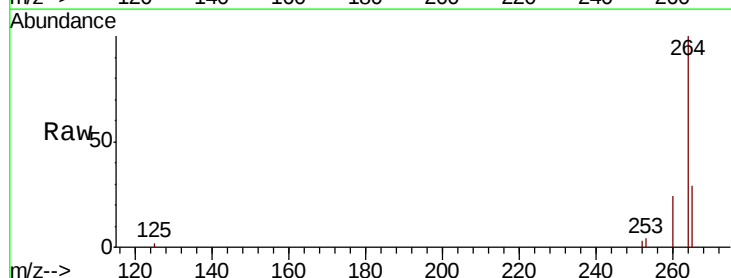
Tgt Ion:264 Resp: 17535

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

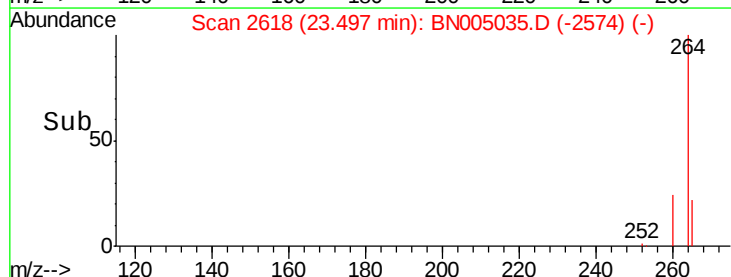
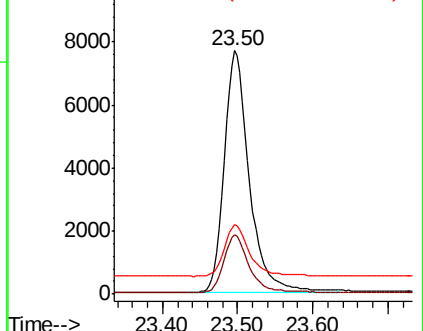
265 28.8 22.5 33.7

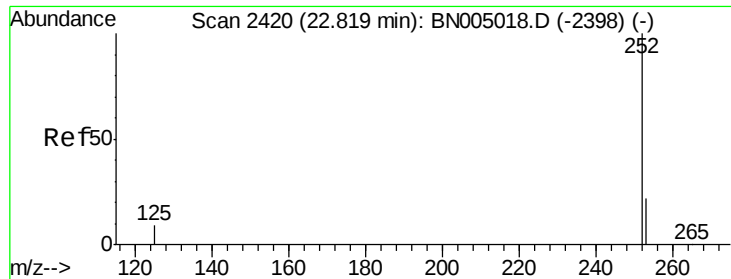


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.189 ng

RT: 22.83 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

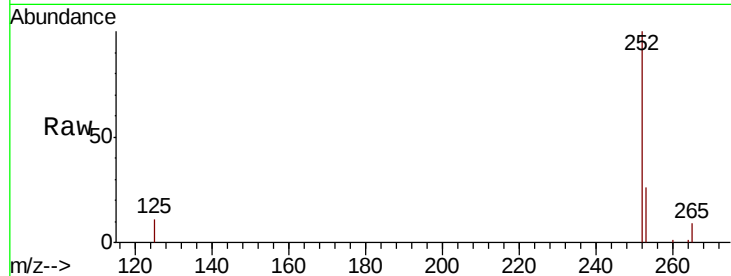
Tgt Ion:252 Resp: 10640

Ion Ratio Lower Upper

252 100

253 25.8 19.2 28.8

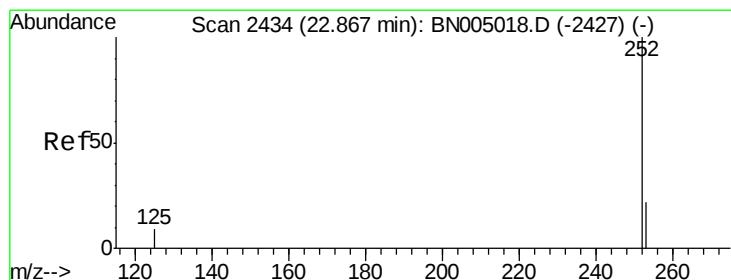
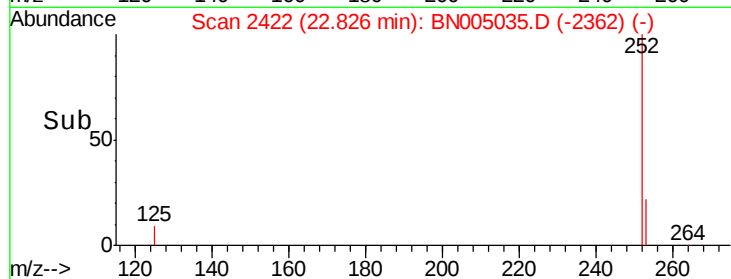
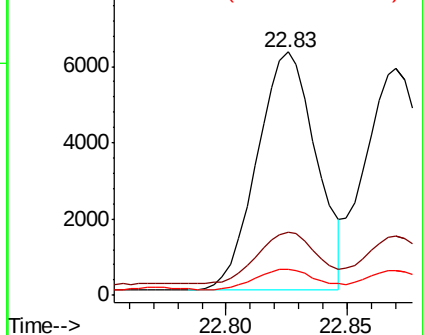
125 10.8 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.199 ng

RT: 22.87 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

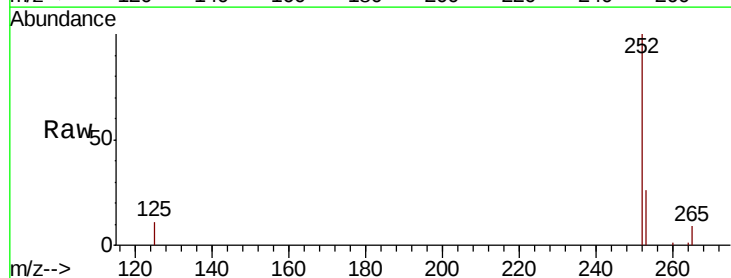
Tgt Ion:252 Resp: 10831

Ion Ratio Lower Upper

252 100

253 26.1 19.3 28.9

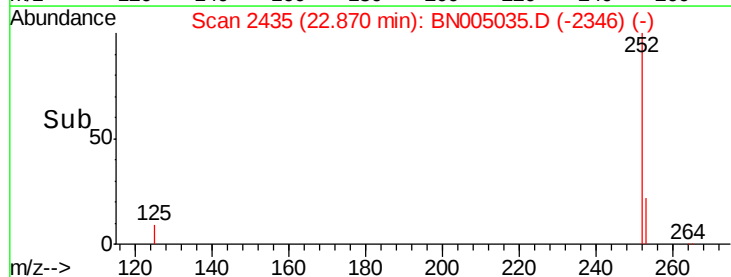
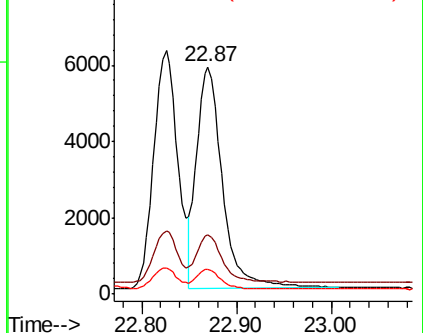
125 10.8 8.2 12.2

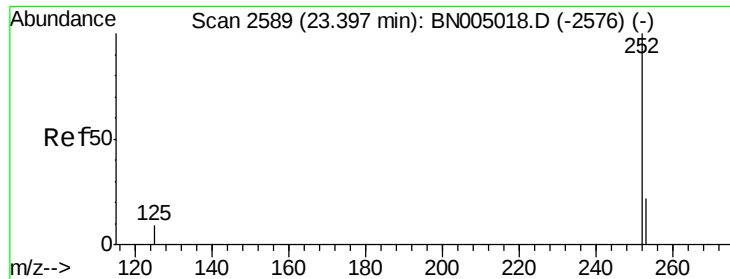


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.190 ng

RT: 23.40 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019

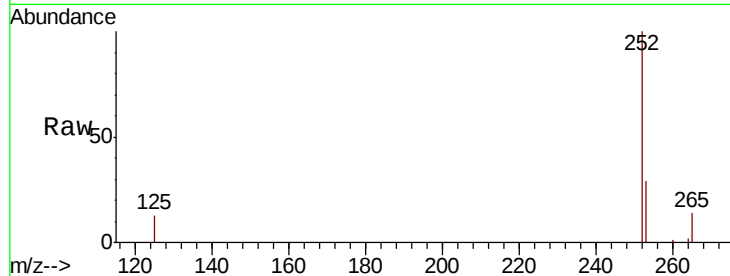
Tgt Ion:252 Resp: 9494

Ion Ratio Lower Upper

252 100

253 28.7 20.2 30.2

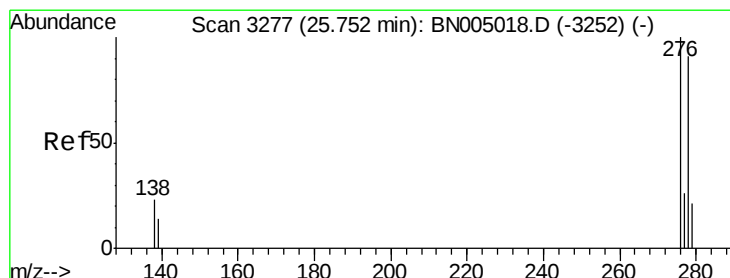
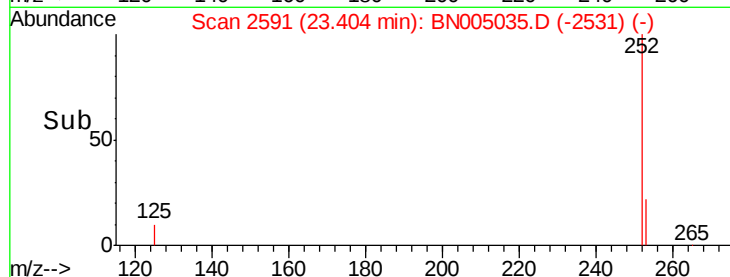
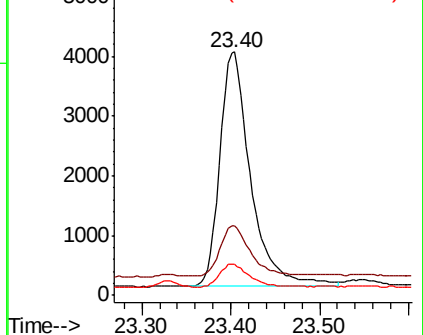
125 12.8 9.2 13.8



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: 0.186 ng

RT: 25.76 min Scan# 3280

Delta R.T. 0.01 min

Lab File: BN005035.D

Acq: 29 Mar 2019 15:52

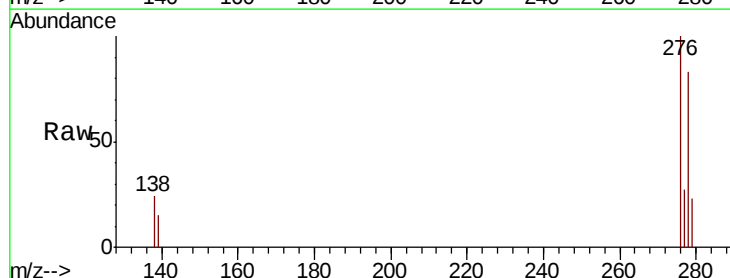
Tgt Ion:278 Resp: 9326

Ion Ratio Lower Upper

278 100

139 17.8 13.1 19.7

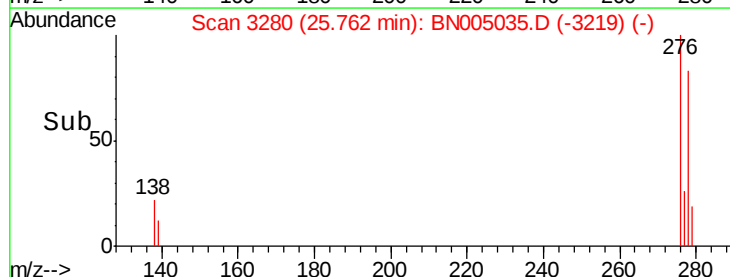
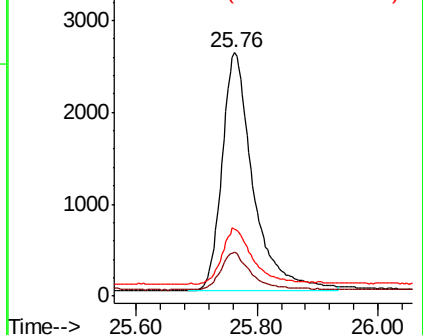
279 27.5 20.2 30.2

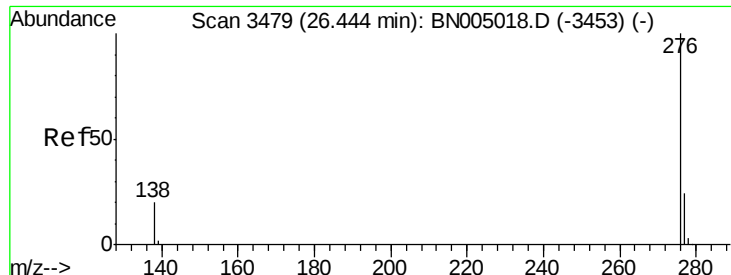


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.197 ng

RT: 26.45 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BN005035.D

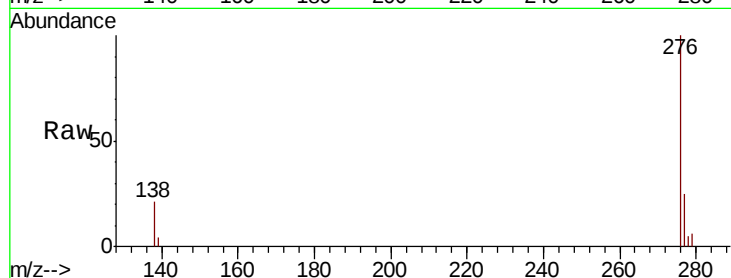
Acq: 29 Mar 2019 15:52

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2019



Tgt Ion: 276 Resp: 9929

Ion Ratio Lower Upper

276 100

277 25.3 19.8 29.6

138 20.9 16.4 24.6

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

