

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002193.D
 Acq On : 30 Jul 2018 19:35
 Operator : JU/SJ
 Sample : J3762-02
 Misc : LOO 0.2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Jul 31 01:25:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3072	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	12686	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	7059	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	15098	0.40	ng	0.00
27) Chrysene-d12	21.27	240	11610	0.40	ng	0.00
34) Perylene-d12	23.50	264	10645	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2250	0.31	ng	0.00
5) Phenol-d6	6.88	99	2556	0.29	ng	0.00
8) Nitrobenzene-d5	8.84	82	3179	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	6652	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	783	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	9559	0.35	ng	0.00
25) Fluoranthene-d10	19.11	212	12801	0.34	ng	0.00
29) Terphenyl-d14	19.71	244	8882	0.36	ng	0.00

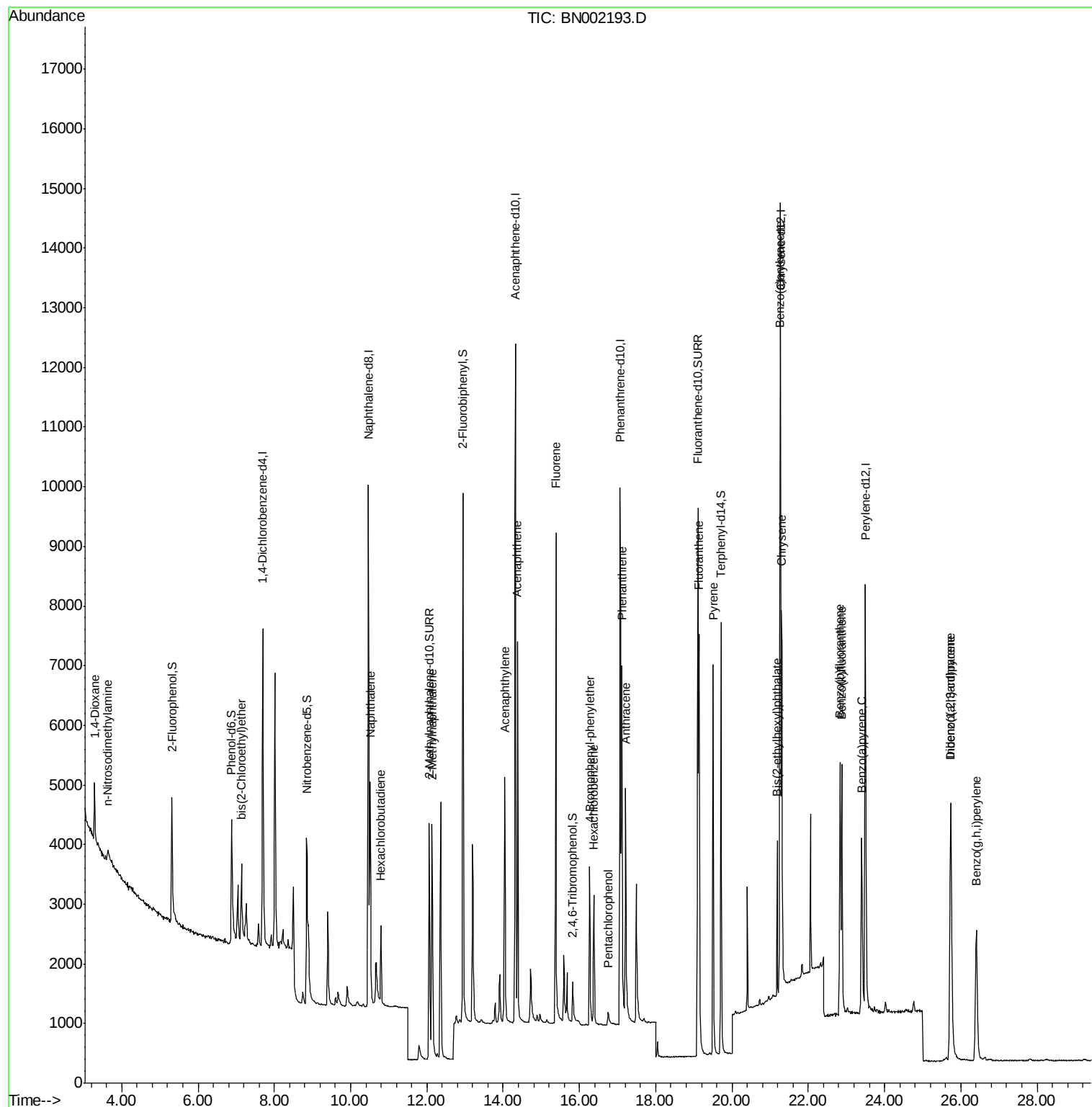
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	668	0.193	ng	91
3) n-Nitrosodimethylamine	3.64	42	265	0.199	ng	# 84
6) bis(2-Chloroethyl)ether	7.14	93	1591	0.190	ng	97
9) Naphthalene	10.52	128	5261	0.184	ng	# 93
10) Hexachlorobutadiene	10.80	225	1156	0.187	ng	# 55
12) 2-Methylnaphthalene	12.14	142	3519	0.182	ng	98
16) Acenaphthylene	14.04	152	5240	0.174	ng	99
17) Acenaphthene	14.38	154	3565	0.184	ng	97
18) Fluorene	15.38	166	4276	0.179	ng	# 80
20) 4-Bromophenyl-phenylether	16.27	248	1494	0.175	ng	# 85
21) Hexachlorobenzene	16.38	284	1796	0.190	ng	96
22) Pentachlorophenol	16.75	266	202	0.179	ng	# 72
23) Phenanthrene	17.11	178	6779	0.180	ng	99
24) Anthracene	17.21	178	5061	0.163	ng	96
26) Fluoranthene	19.14	202	6876	0.168	ng	# 97
28) Pyrene	19.50	202	6871	0.200	ng	100
30) Benzo(a)anthracene	21.26	228	5078	0.174	ng	95
31) Chrysene	21.30	228	6265	0.192	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	2233	0.167	ng	# 96
33) Indeno(1,2,3-cd)pyrene	25.73	276	6130	0.199	ng	94
35) Benzo(b)fluoranthene	22.83	252	5724	0.183	ng	# 93
36) Benzo(k)fluoranthene	22.88	252	5859	0.180	ng	# 89
37) Benzo(a)pyrene	23.40	252	5177	0.183	ng	# 85
38) Dibenzo(a,h)anthracene	25.75	278	5002	0.181	ng	95
39) Benzo(g,h,i)perylene	26.41	276	5343	0.189	ng	# 91

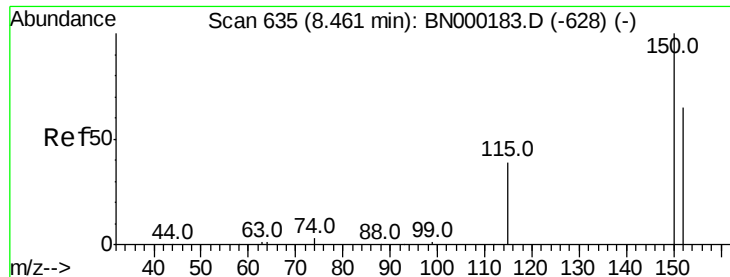
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

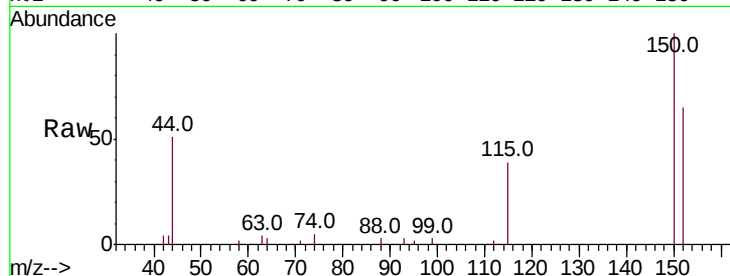
Tot Ion:152 Resp: 3072

Ion Ratio Lower Upper

152 100

150 152.8 117.2 175.8

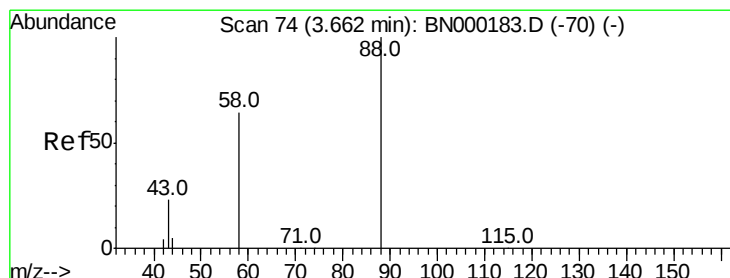
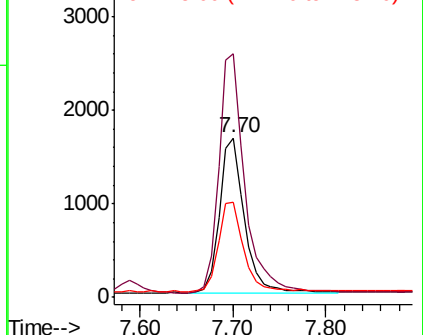
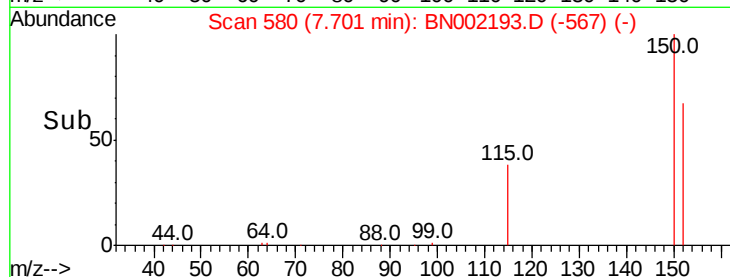
115 59.3 57.0 85.6



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: 0.193 ng

RT: 3.29 min Scan# 32

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

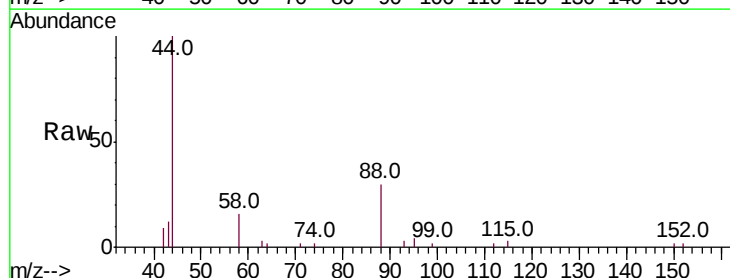
Tgt Ion: 88 Resp: 668

Ion Ratio Lower Upper

88 100

58 79.9 72.0 108.0

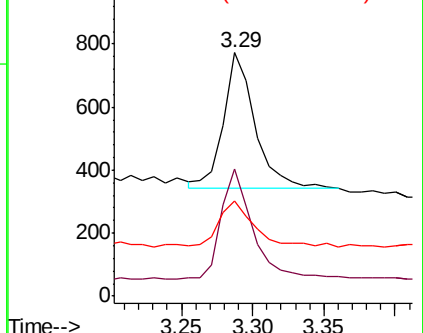
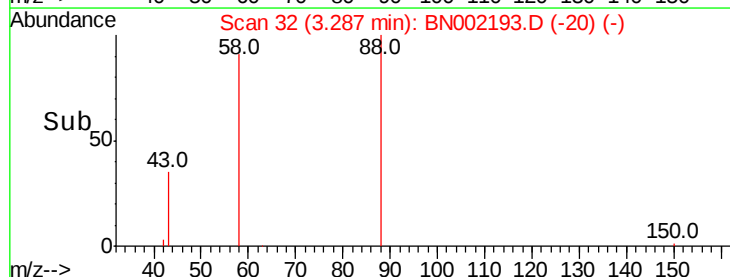
43 37.6 28.0 42.0

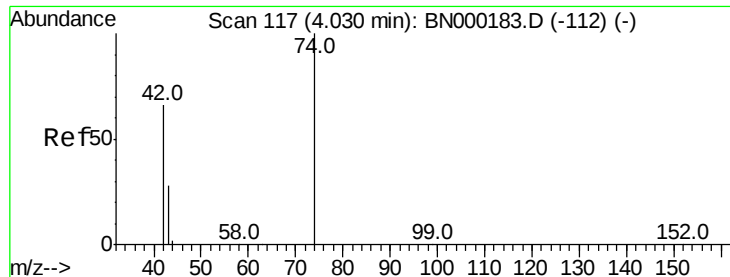


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



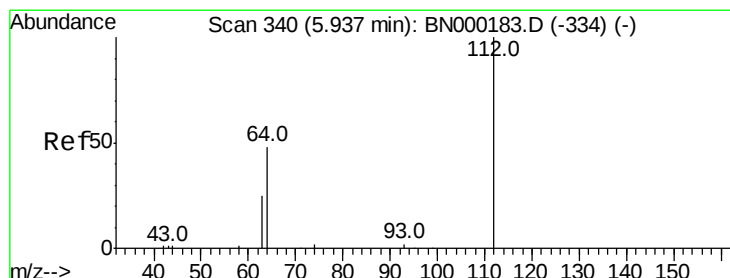
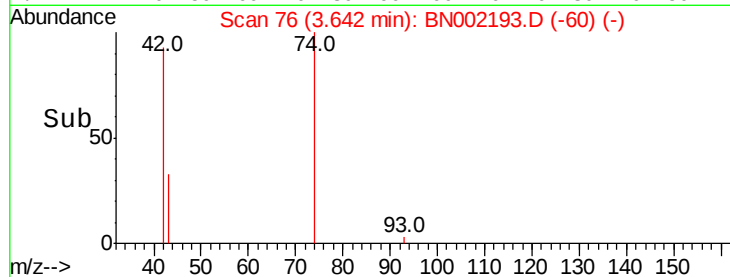
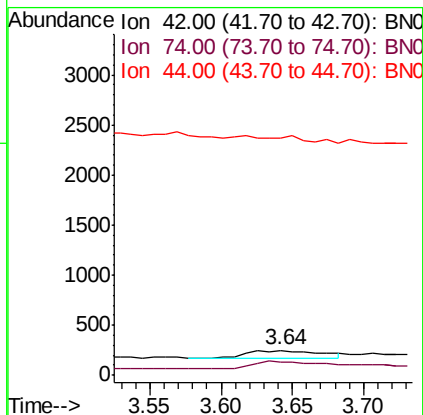
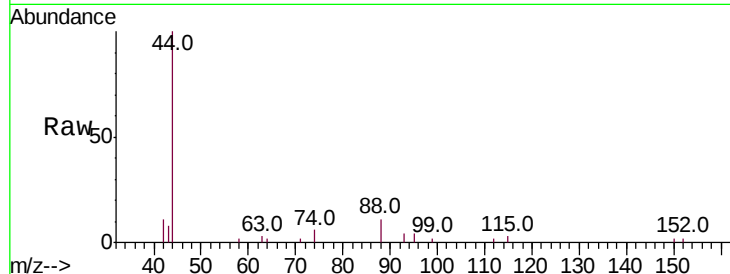


#3

n-Nitrosodimethylamine
 Concen: 0.199 ng
 RT: 3.64 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: BN002193.D
 Acq: 30 Jul 2018 19:35

Instrument :
 BNA_N
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 LOQ-SOIL-02-QT3-2018

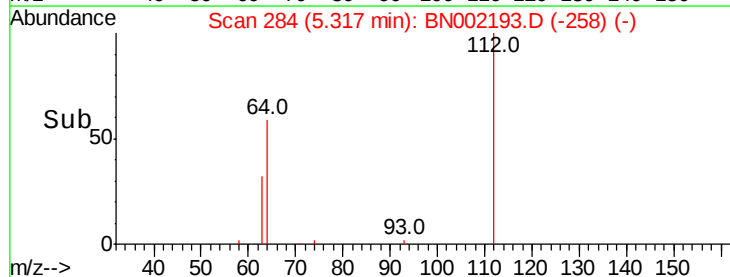
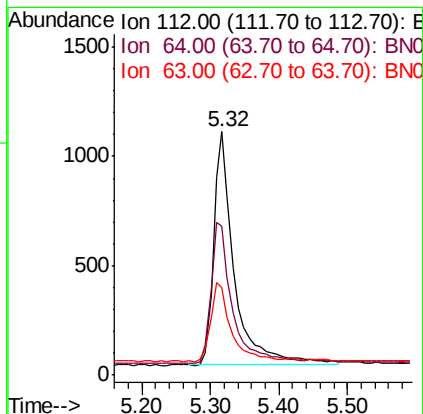
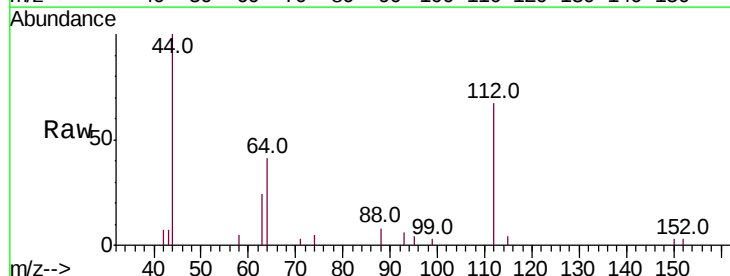
Tot Ion: 42 Resp: 265
 Ion Ratio Lower Upper
 42 100
 74 98.1 88.0 132.0
 44 0.0 16.0 24.0#

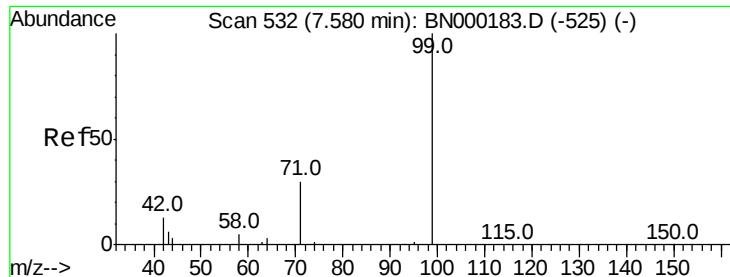


#4

2-Fluorophenol
 Concen: 0.314 ng
 RT: 5.32 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BN002193.D
 Acq: 30 Jul 2018 19:35

Tgt Ion: 112 Resp: 2250
 Ion Ratio Lower Upper
 112 100
 64 65.2 60.1 90.1
 63 34.1 116.8 175.2#





#5

Phenol-d6

Concen: 0.293 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

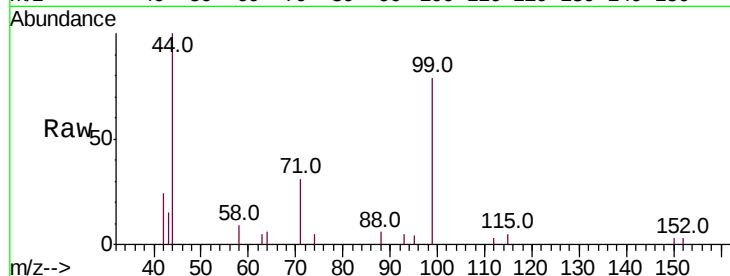
Tot Ion: 99 Resp: 2556

Ion Ratio Lower Upper

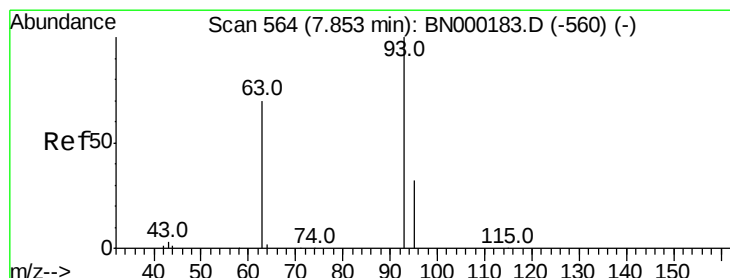
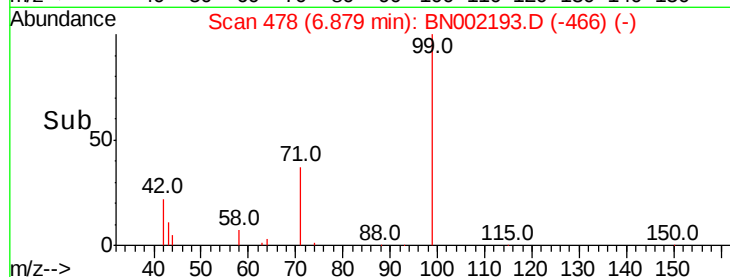
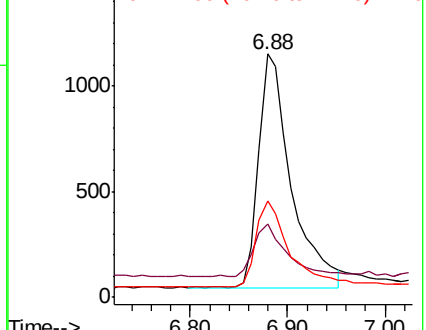
99 100

42 22.2 20.2 30.2

71 37.5 28.4 42.6



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: 0.190 ng

RT: 7.14 min Scan# 510

Delta R.T. 0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

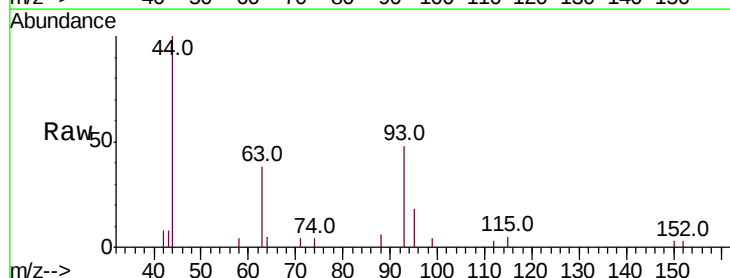
Tgt Ion: 93 Resp: 1591

Ion Ratio Lower Upper

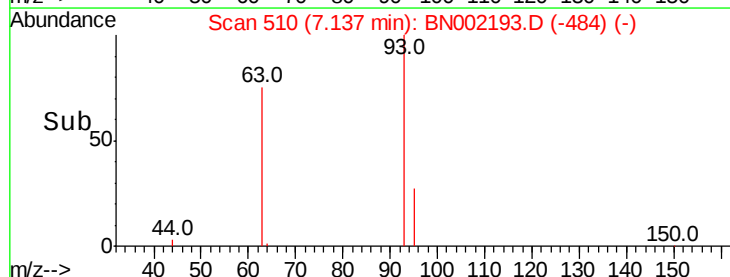
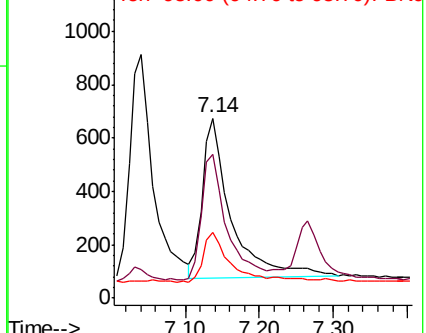
93 100

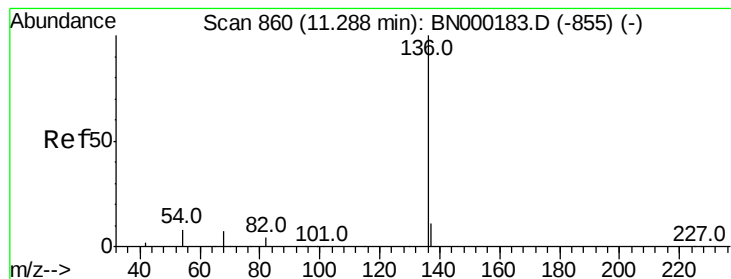
63 71.5 56.0 84.0

95 27.8 25.2 37.8



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: 10.47 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:136 Resp: 12686

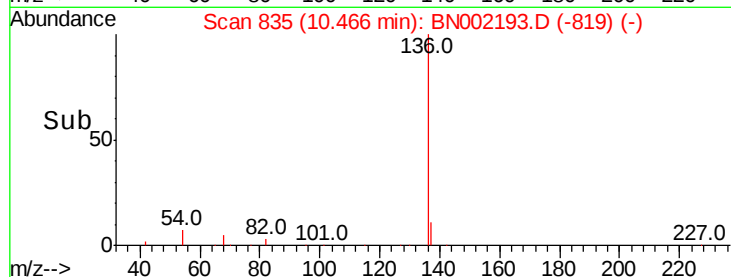
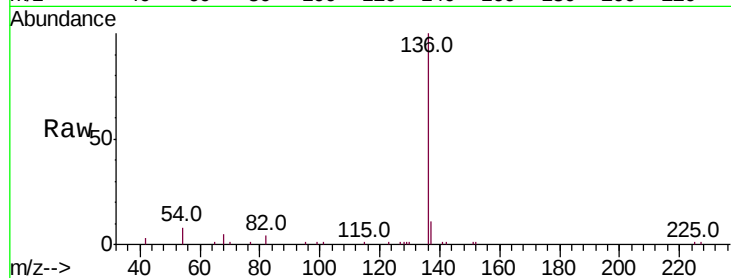
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 8.2 29.1 43.7#

68 5.3 6.2 9.2#



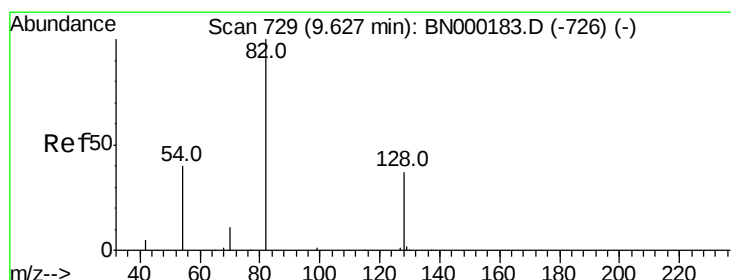
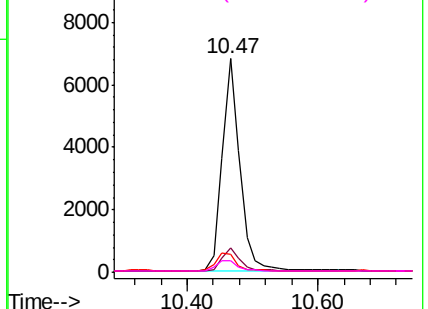
Abundance

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): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.333 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

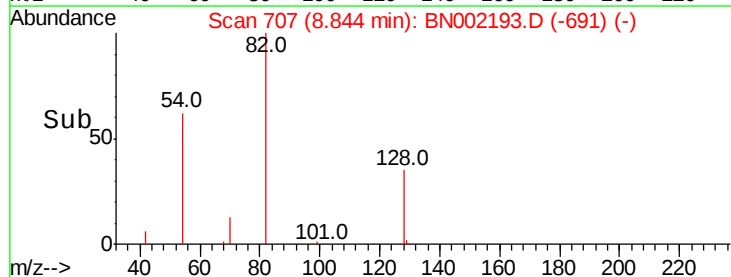
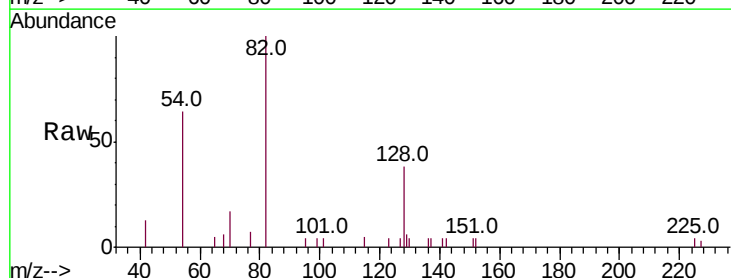
Tgt Ion: 82 Resp: 3179

Ion Ratio Lower Upper

82 100

128 38.2 150.0 225.0#

54 64.1 154.2 231.4#

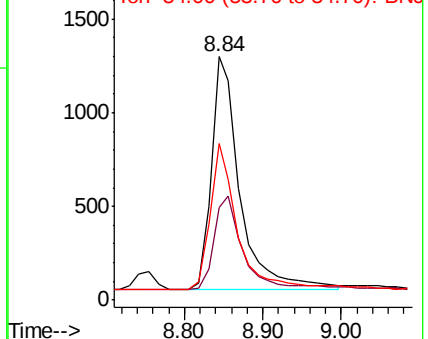


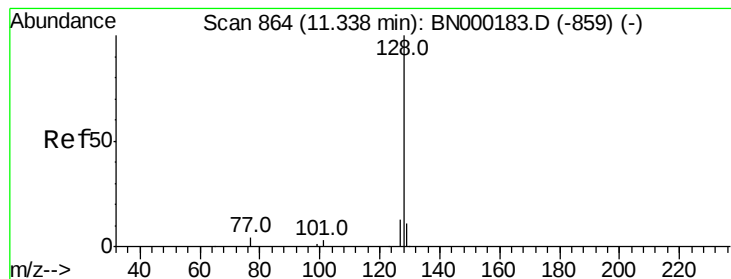
Abundance

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: 0.184 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

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ClientSampleId :

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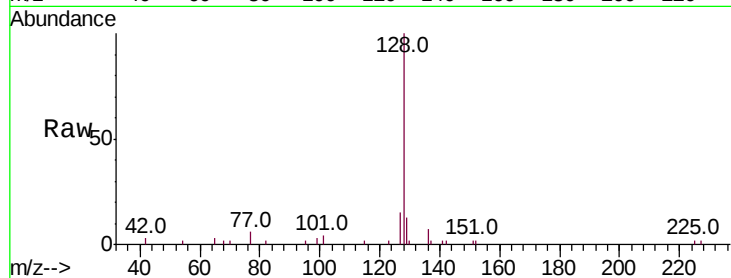
Tot Ion:128 Resp: 5261

Ion Ratio Lower Upper

128 100

129 12.8 8.0 12.0#

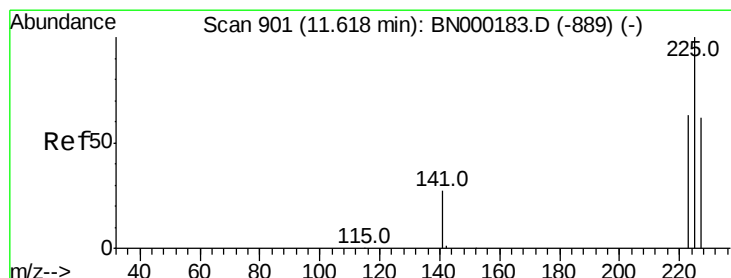
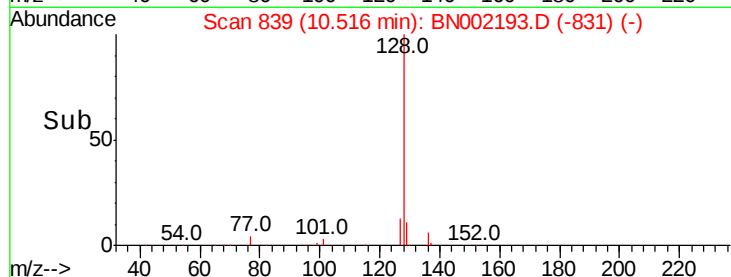
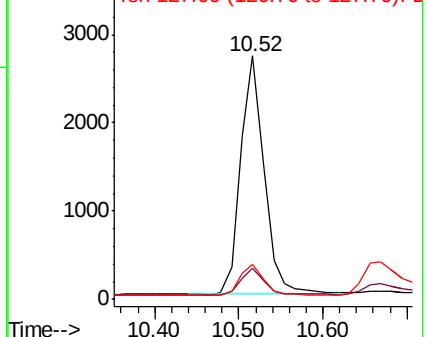
127 14.5 9.6 14.4#



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: 0.187 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

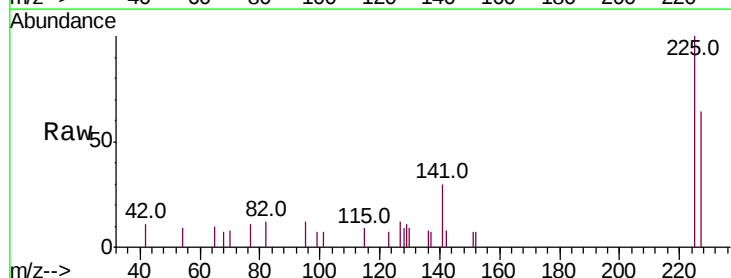
Tgt Ion:225 Resp: 1156

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

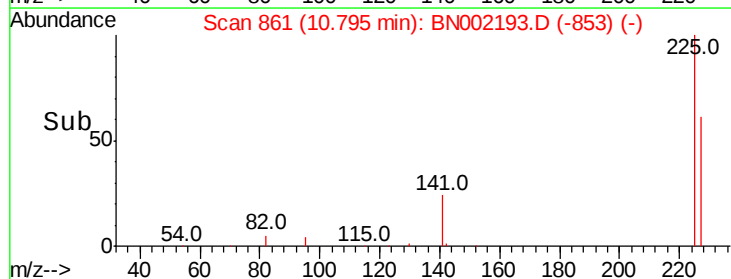
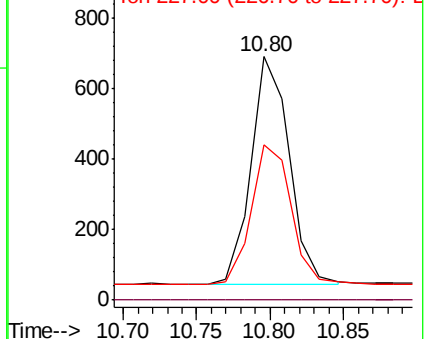
227 63.6 48.0 72.0

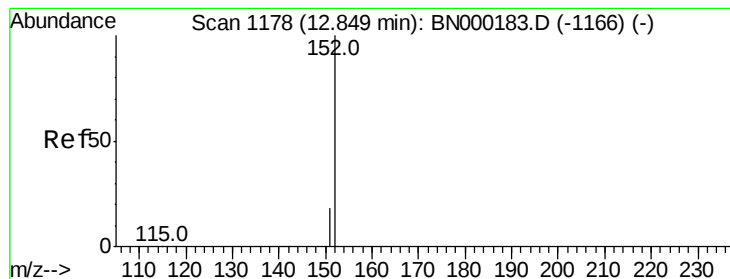


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 12.06 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

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ClientSampleId :

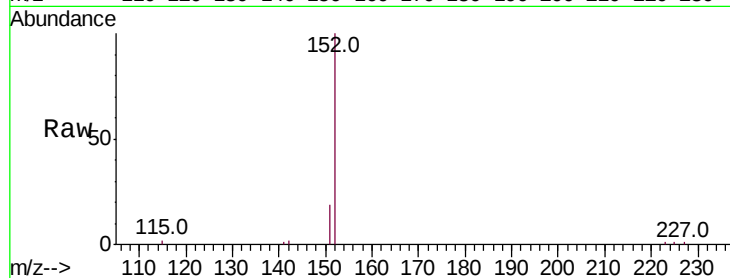
LOQ-SOIL-02-QT3-2018

Tot Ion:152 Resp: 6652

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.06

4000

3000

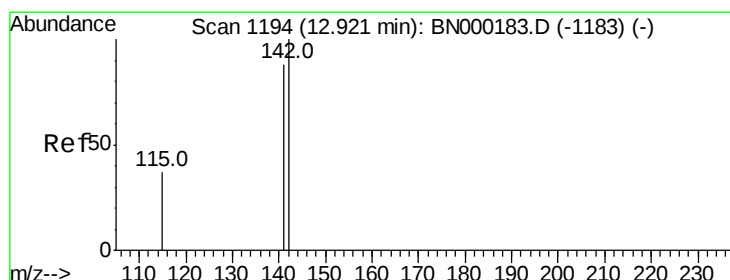
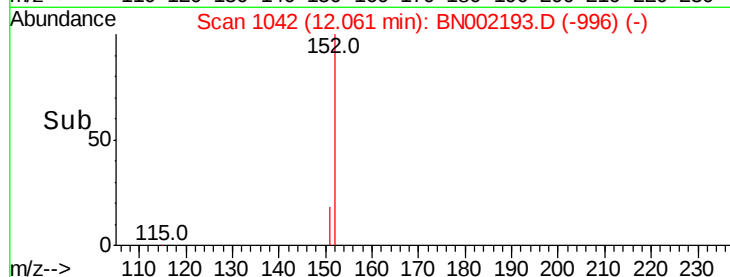
2000

1000

0

Time-->

12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.182 ng

RT: 12.14 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

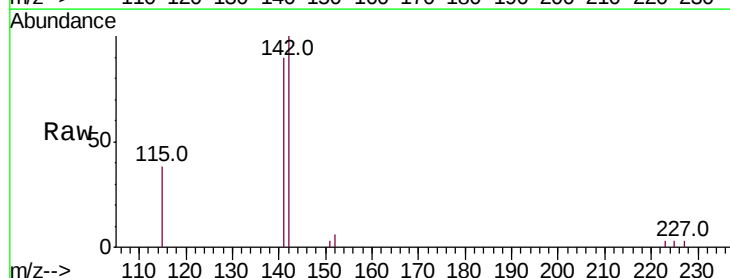
Tgt Ion:142 Resp: 3519

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6

115 38.1 31.7 47.5



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

2000

1500

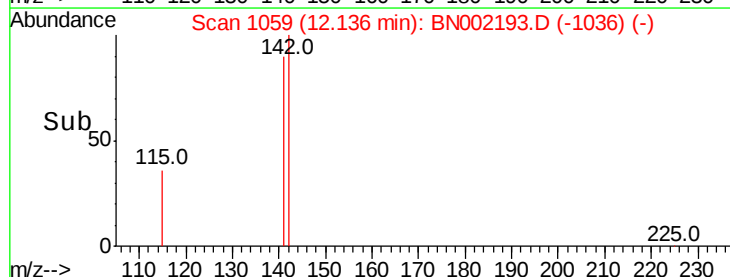
1000

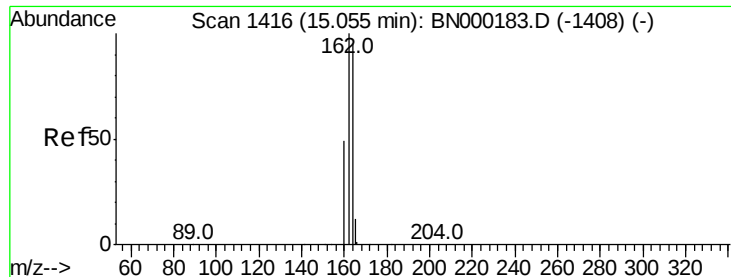
500

0

Time-->

12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

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ClientSampleId :

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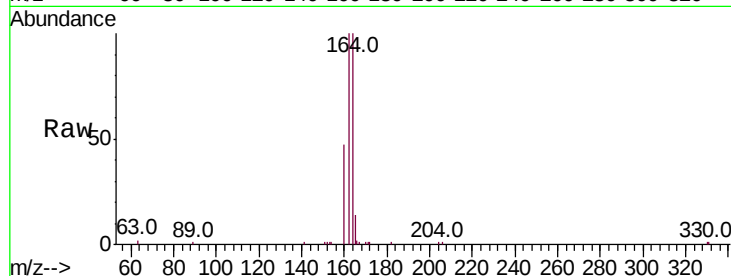
Tot Ion:164 Resp: 7059

Ion Ratio Lower Upper

164 100

162 100.3 83.1 124.7

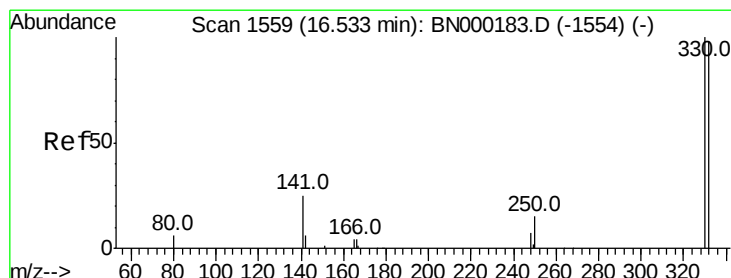
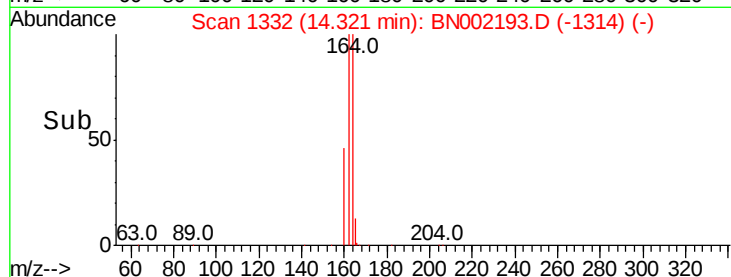
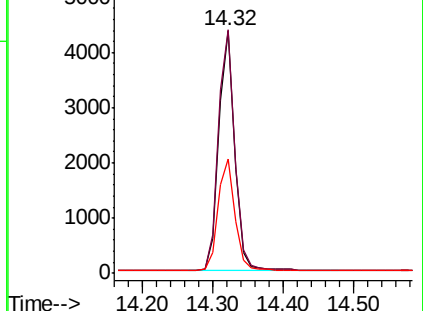
160 47.0 37.1 55.7



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: 0.260 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

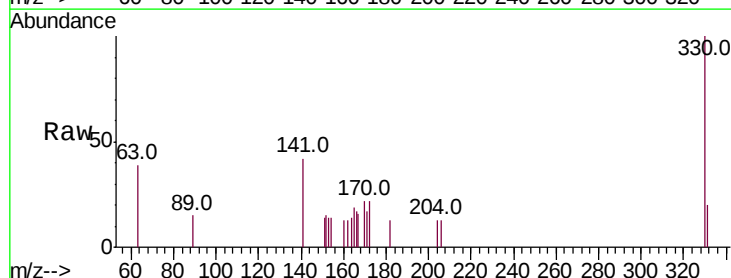
Tgt Ion:330 Resp: 783

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

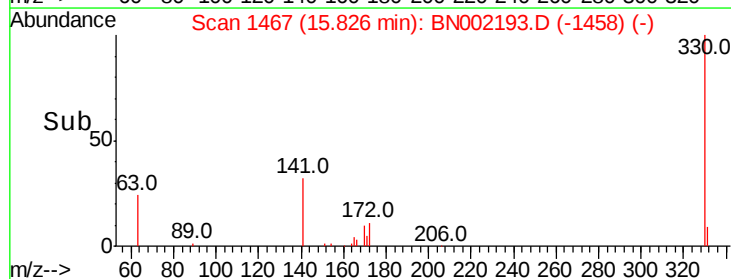
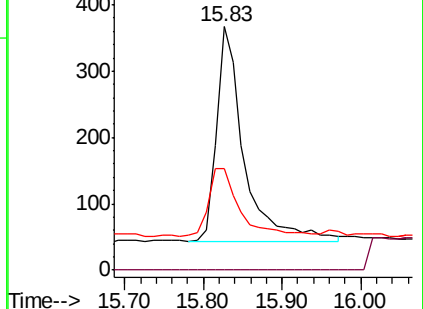
141 34.6 33.7 50.5

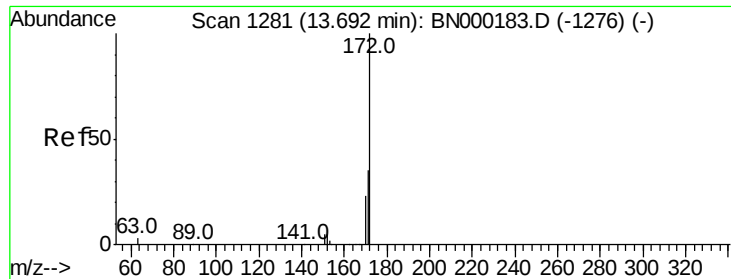


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

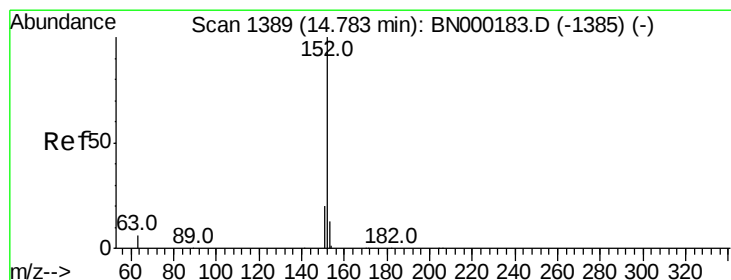
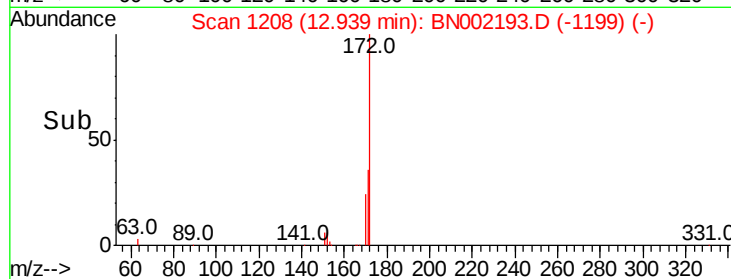
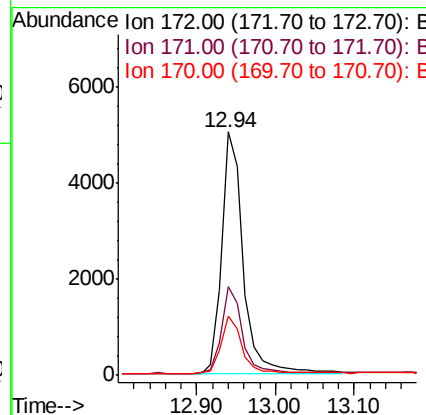
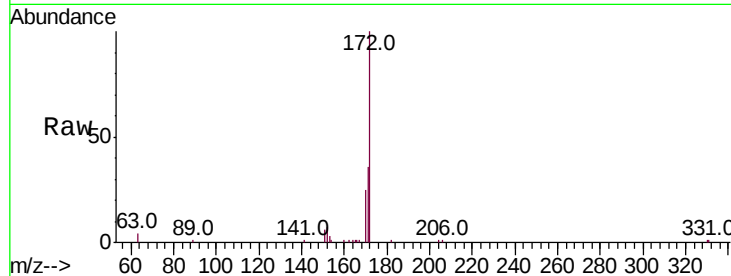




#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BN002193.D
Acq: 30 Jul 2018 19:35

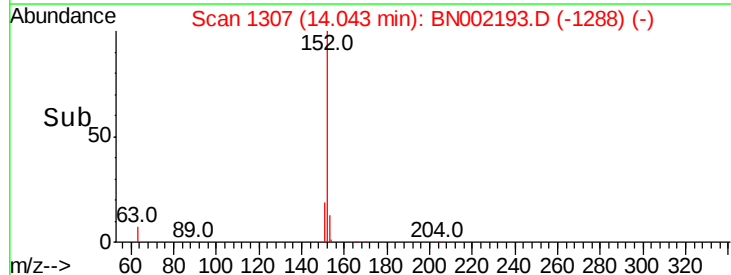
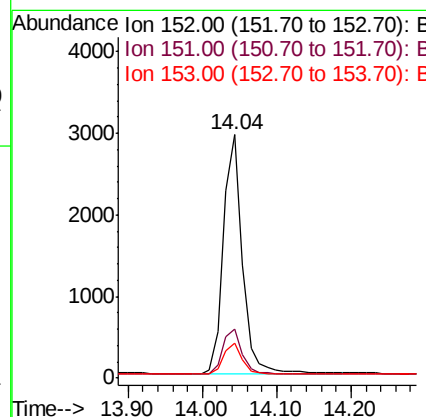
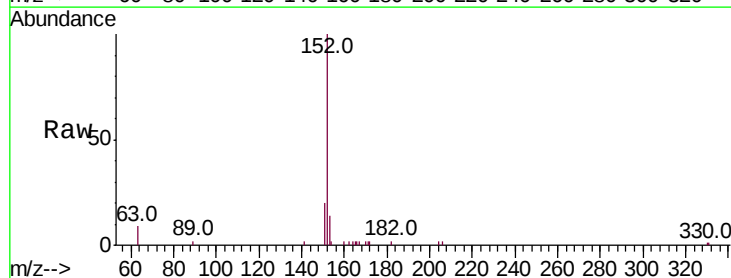
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

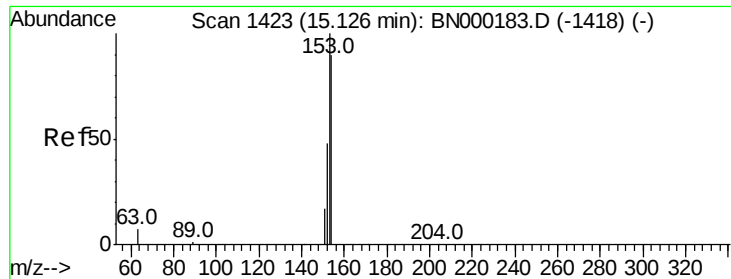
Tot Ion:172 Resp: 9559
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 24.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002193.D
Acq: 30 Jul 2018 19:35

Tgt Ion:152 Resp: 5240
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.184 ng

RT: 14.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

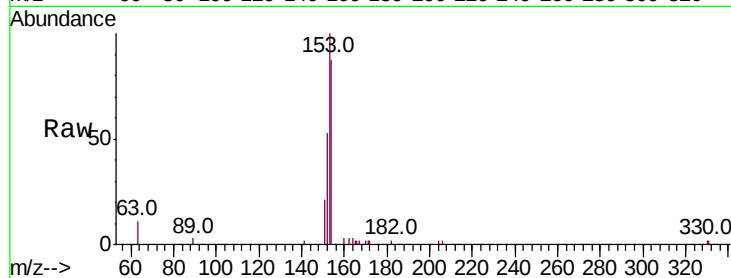
Tot Ion:154 Resp: 3565

Ion Ratio Lower Upper

154 100

153 113.0 89.2 133.8

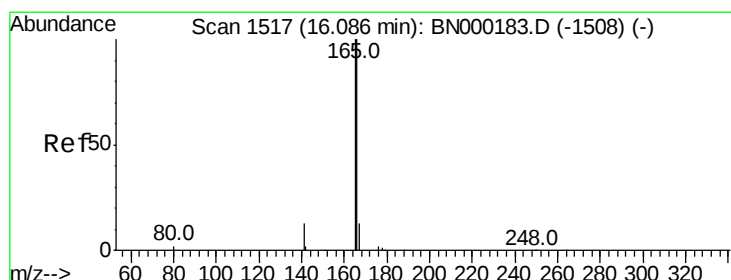
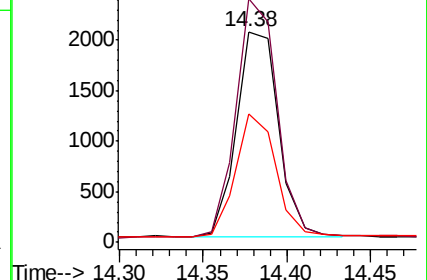
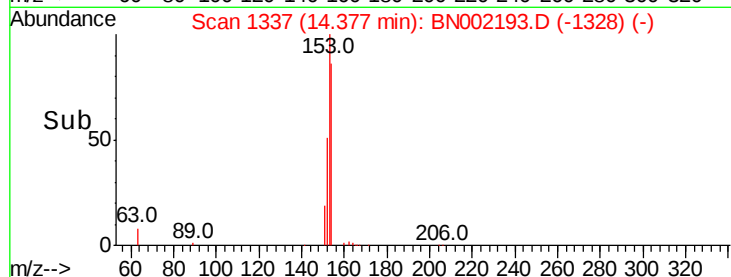
152 57.3 42.0 63.0



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: 0.179 ng

RT: 15.38 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

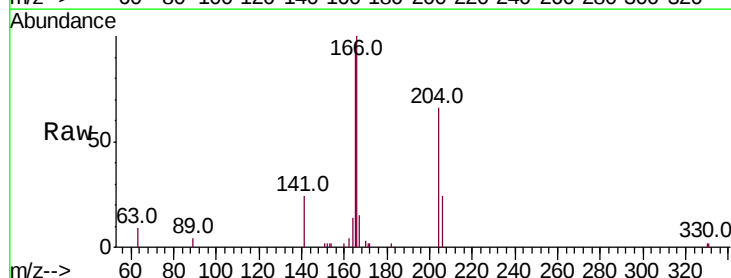
Tgt Ion:166 Resp: 4276

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.6

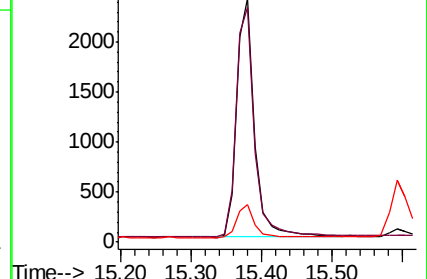
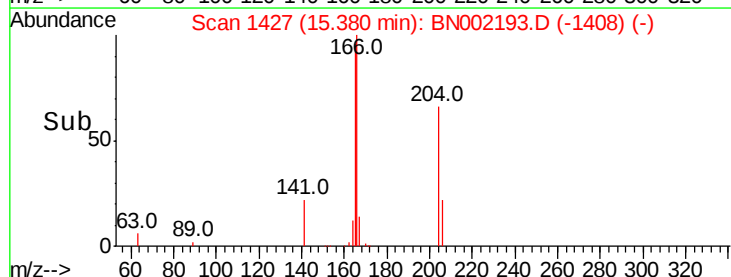
167 13.9 42.4 63.6#

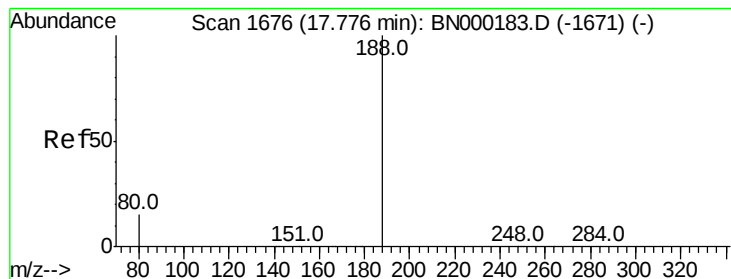


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

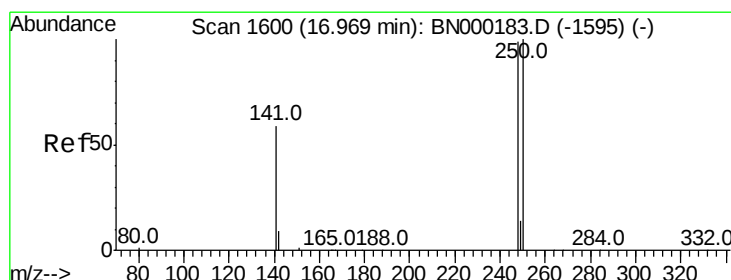
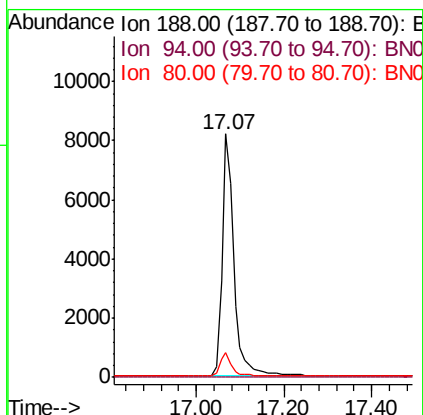
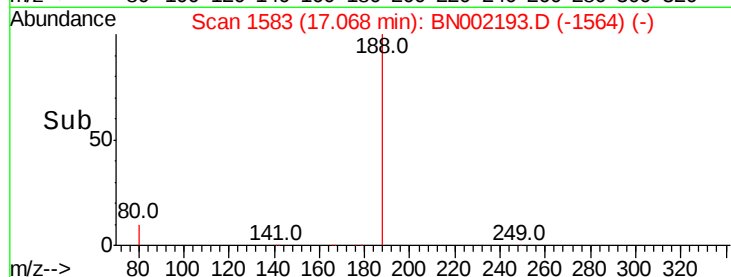
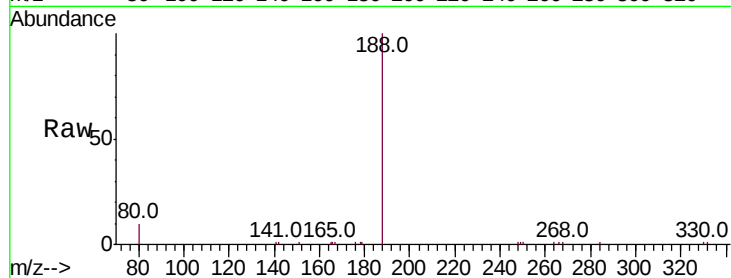
Tot Ion:188 Resp: 15098

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.175 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

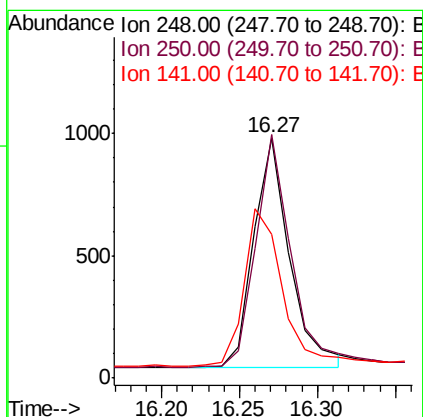
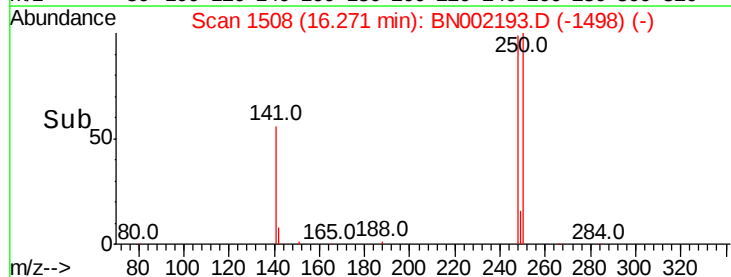
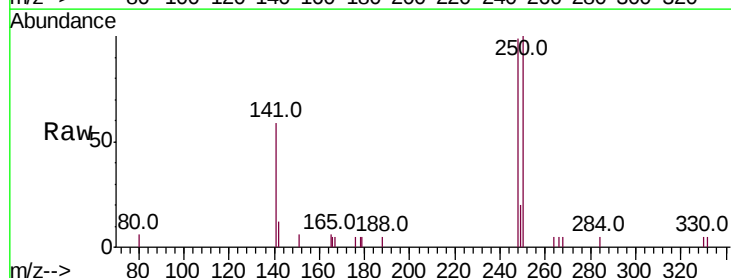
Tgt Ion:248 Resp: 1494

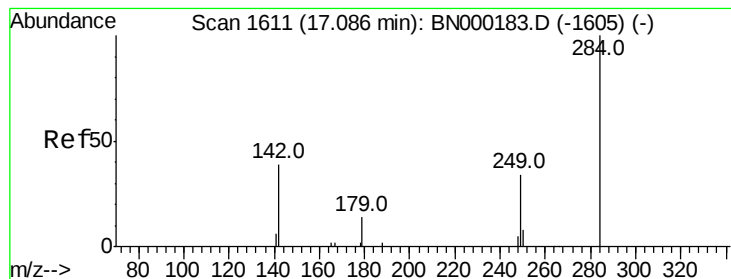
Ion Ratio Lower Upper

248 100

250 101.4 62.7 94.1#

141 59.7 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.190 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

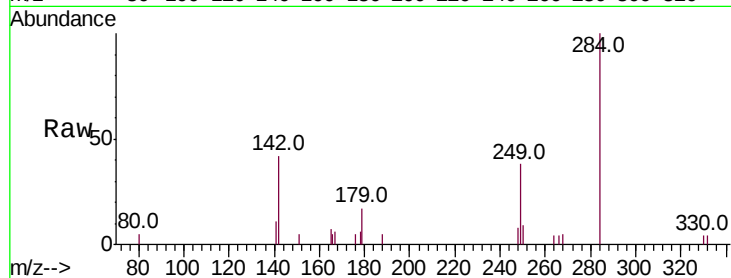
Tot Ion:284 Resp: 1796

Ion Ratio Lower Upper

284 100

142 36.1 32.0 48.0

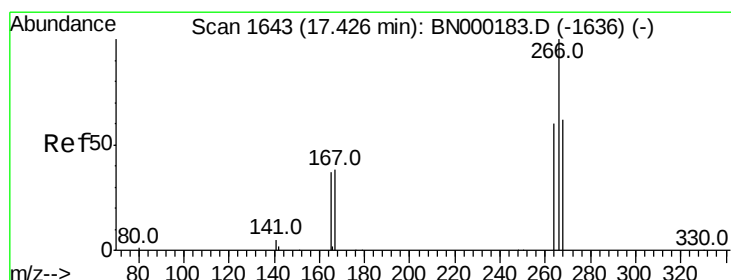
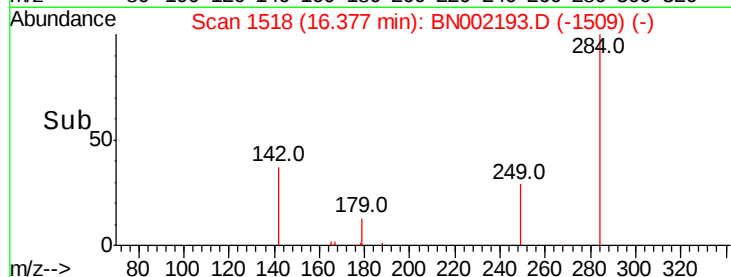
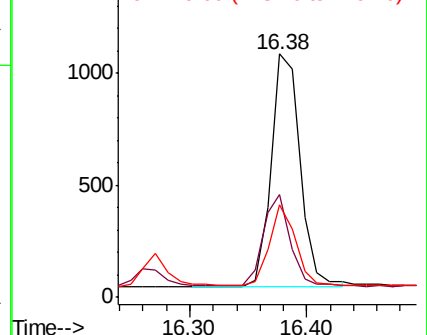
249 30.5 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.179 ng

RT: 16.75 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

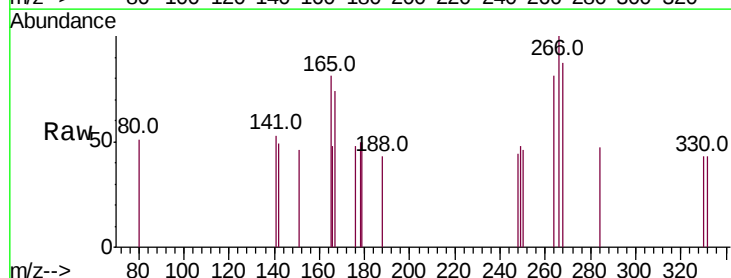
Tgt Ion:266 Resp: 202

Ion Ratio Lower Upper

266 100

264 81.0 48.0 72.0#

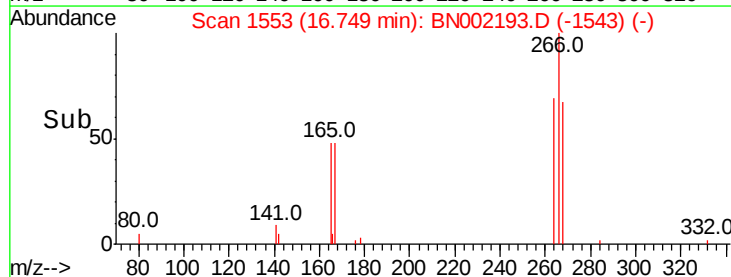
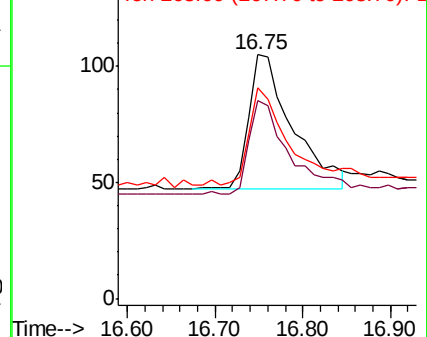
268 86.7 52.0 78.0#

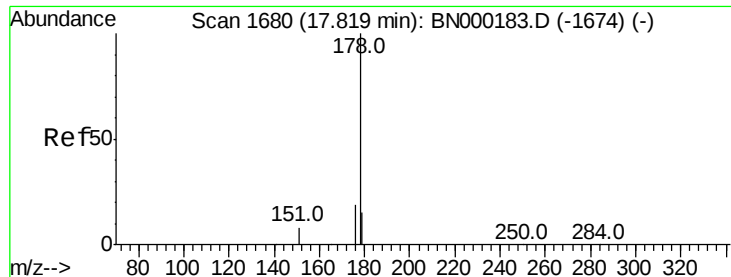


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.180 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

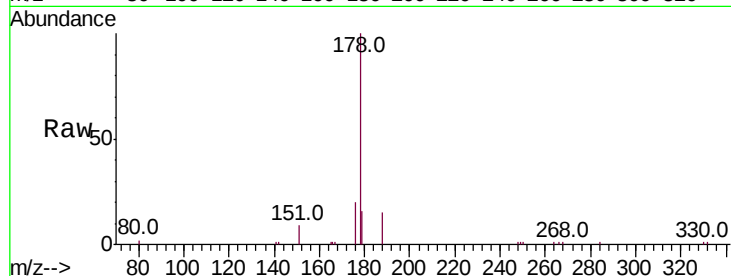
Tot Ion:178 Resp: 6779

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

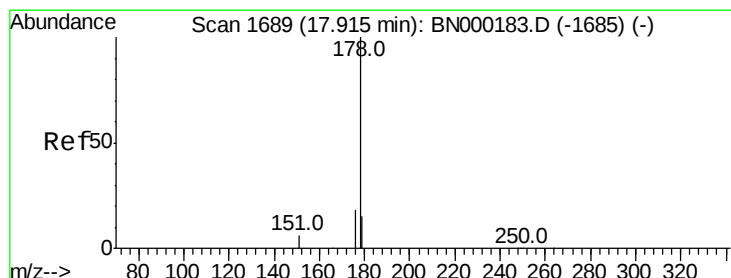
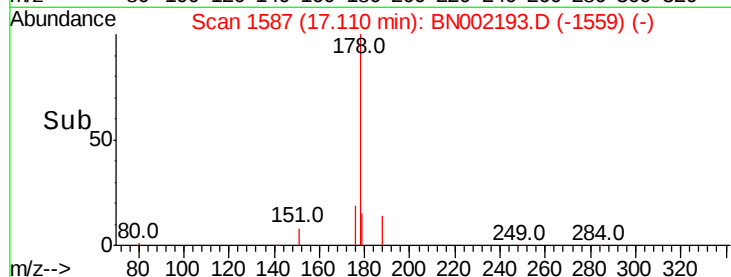
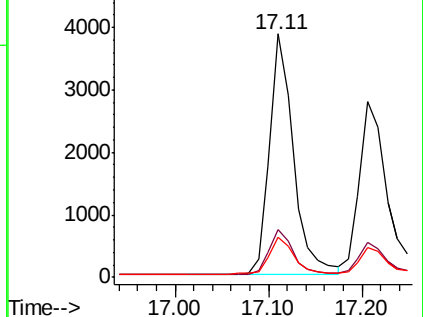
179 15.6 11.8 17.6



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



#24

Anthracene

Concen: 0.163 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

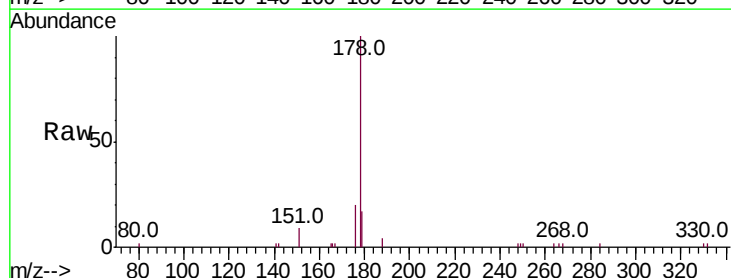
Tgt Ion:178 Resp: 5061

Ion Ratio Lower Upper

178 100

176 18.0 12.8 19.2

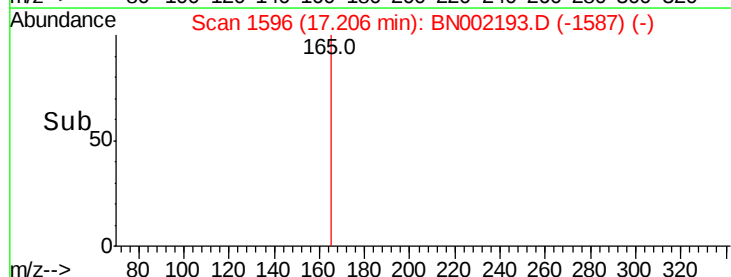
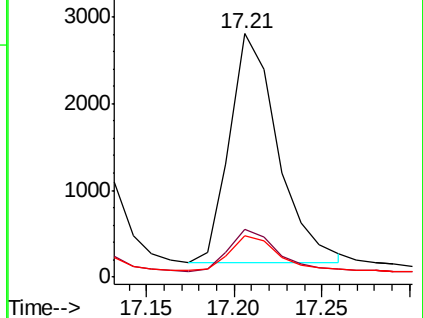
179 15.1 13.0 19.6

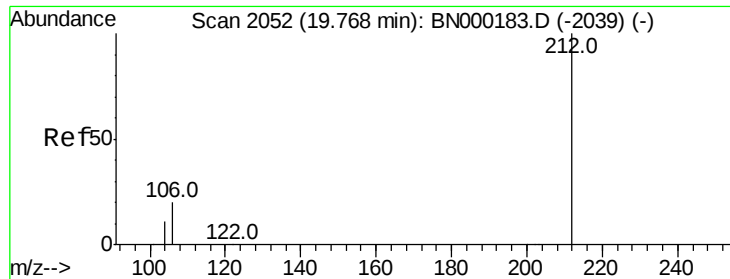


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

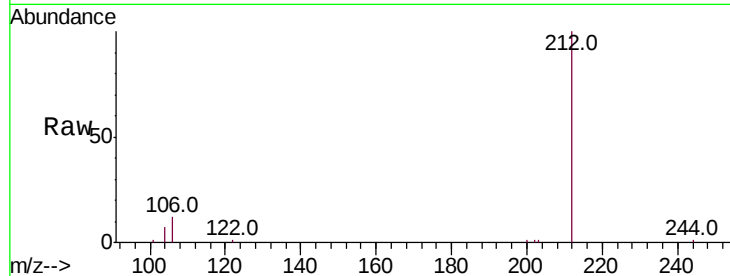




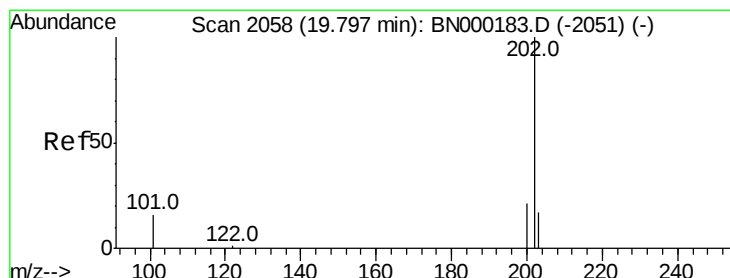
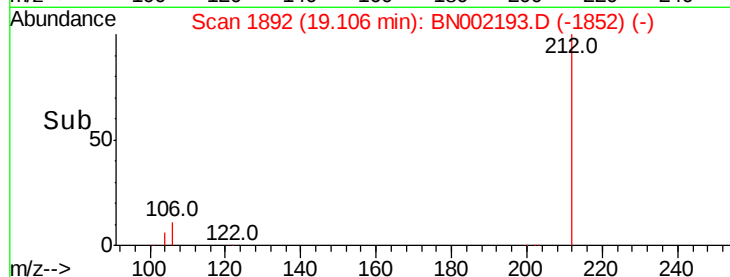
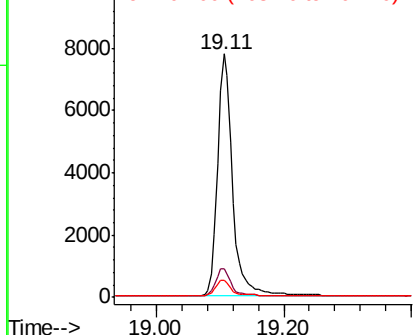
#25
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN002193.D
Acq: 30 Jul 2018 19:35

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:212 Resp: 12801
Ion Ratio Lower Upper
212 100
106 11.4 2.8 4.2#
104 6.2 1.6 2.4#

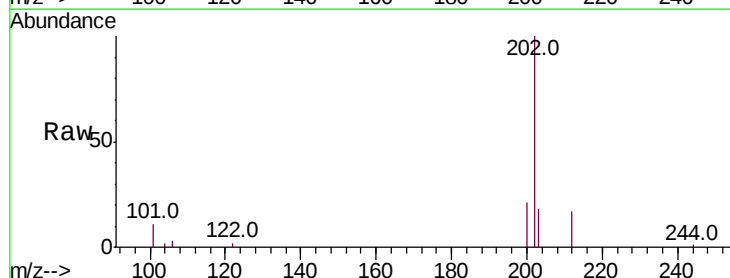


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

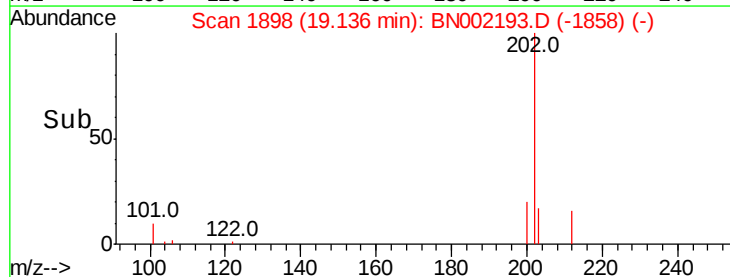
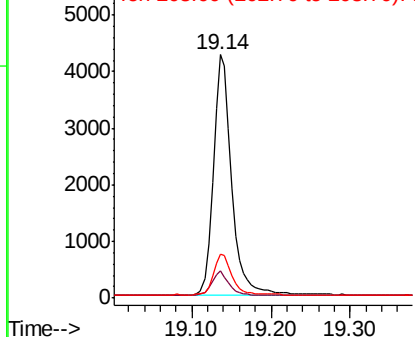


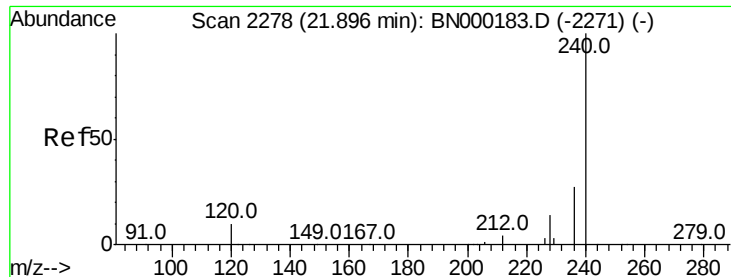
#26
Fluoranthene
Concen: 0.168 ng
RT: 19.14 min Scan# 1898
Delta R.T. -0.00 min
Lab File: BN002193.D
Acq: 30 Jul 2018 19:35

Tgt Ion:202 Resp: 6876
Ion Ratio Lower Upper
202 100
101 9.8 9.8 14.8#
203 17.1 13.7 20.5



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: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

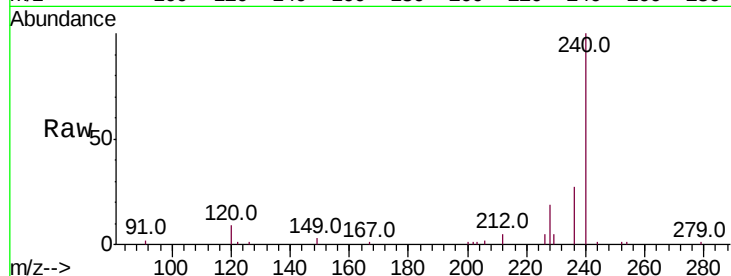
Tot Ion:240 Resp: 11610

Ion Ratio Lower Upper

240 100

120 9.4 5.5 8.3#

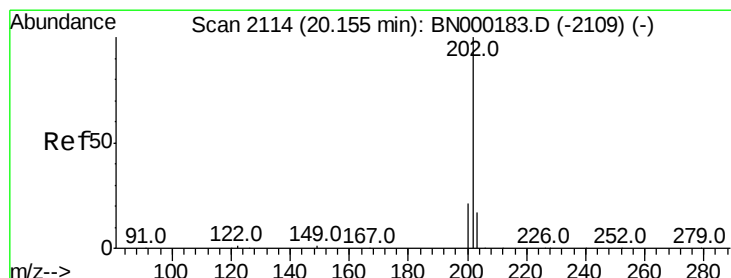
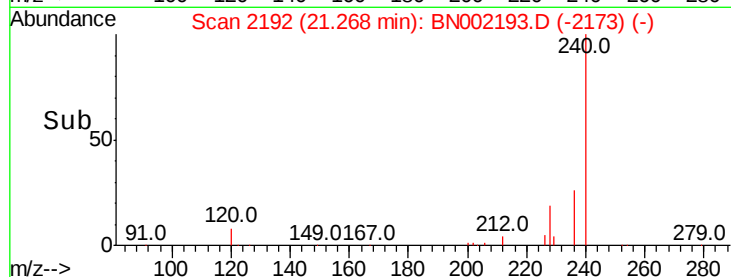
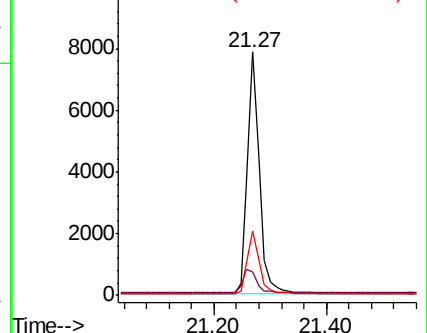
236 26.6 20.7 31.1



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: 0.200 ng

RT: 19.50 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

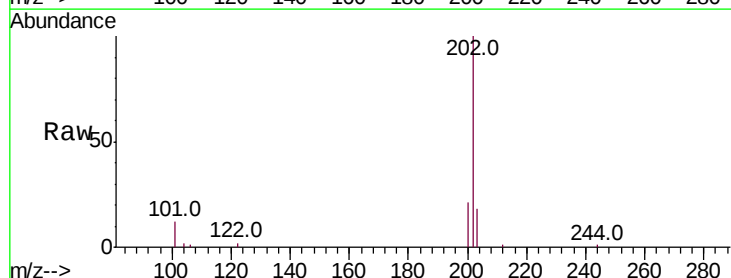
Tgt Ion:202 Resp: 6871

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

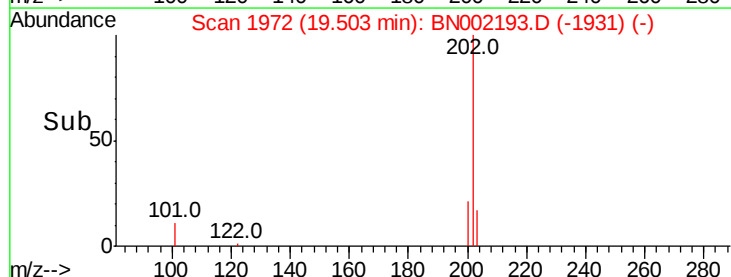
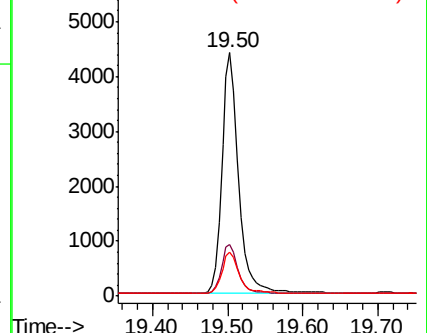
203 17.3 13.8 20.8

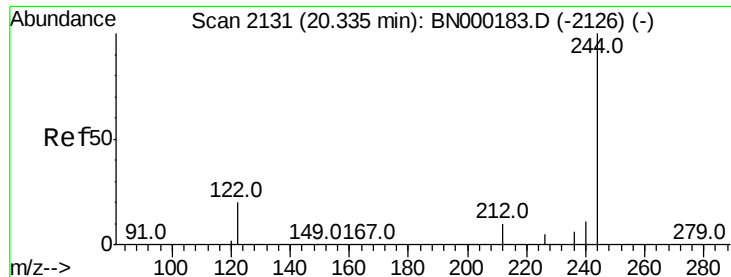


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.358 ng

RT: 19.71 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

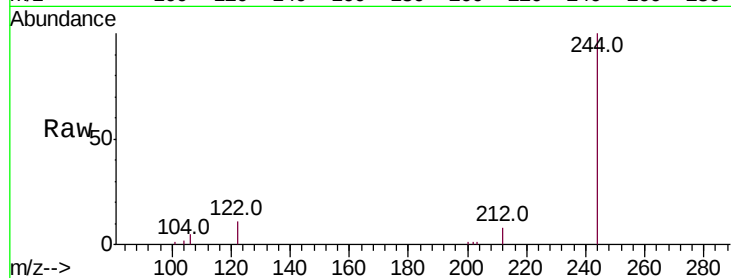
Tot Ion:244 Resp: 8882

Ion Ratio Lower Upper

244 100

212 8.5 25.4 38.0#

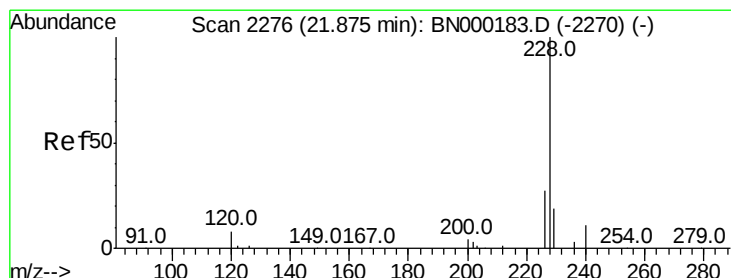
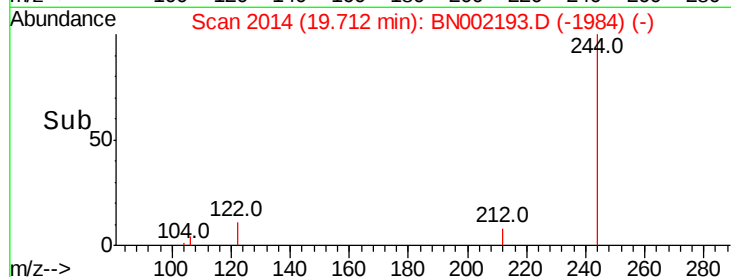
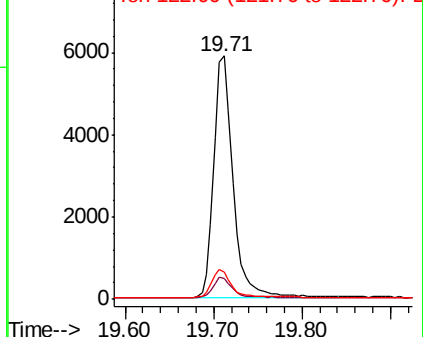
122 11.3 8.1 12.1



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: 0.174 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

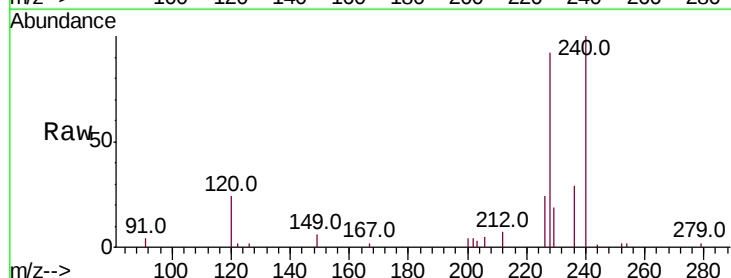
Tgt Ion:228 Resp: 5078

Ion Ratio Lower Upper

228 100

226 26.4 24.0 36.0

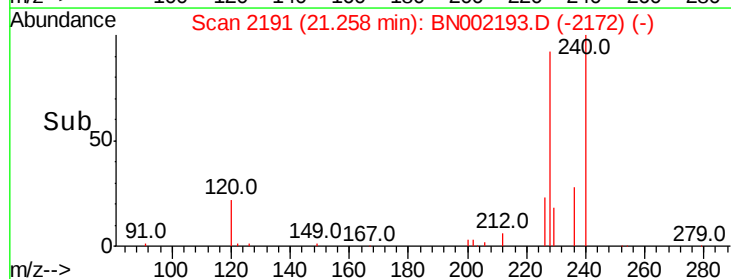
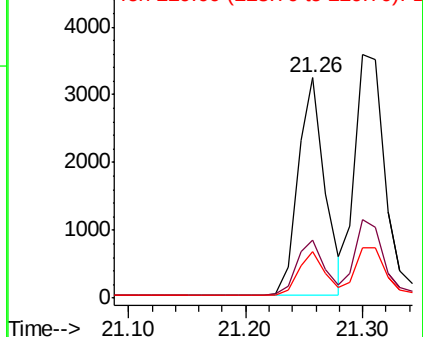
229 20.9 16.0 24.0

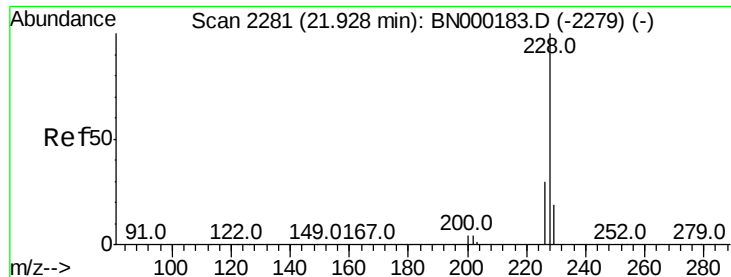


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.192 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

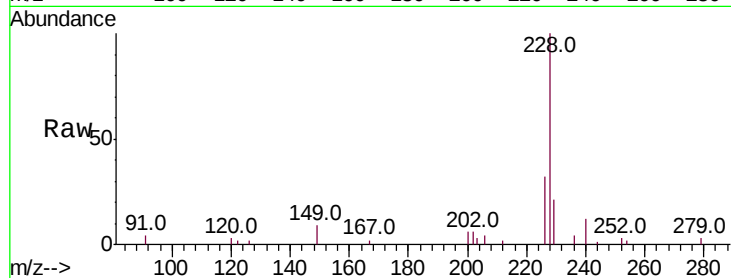
BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:228 Resp: 6265

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	20.6	16.0	24.0

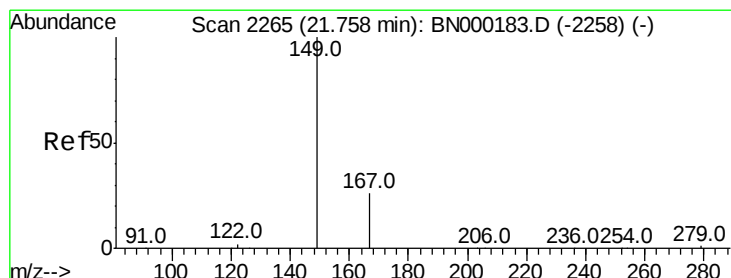
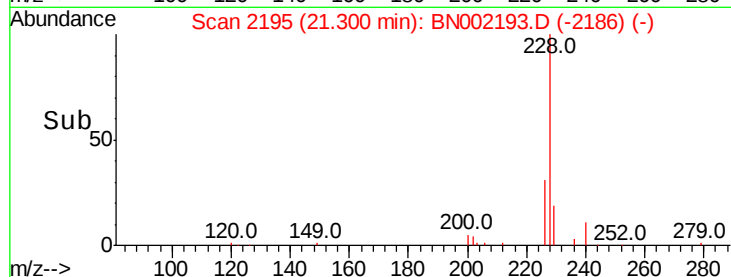
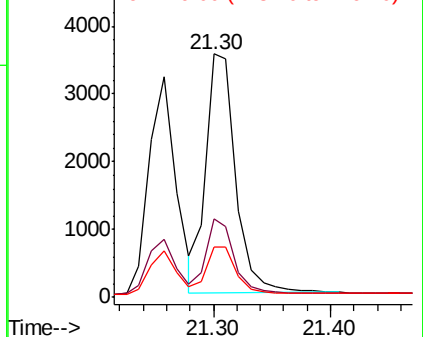


Abundance

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: 0.167 ng

RT: 21.18 min Scan# 2184

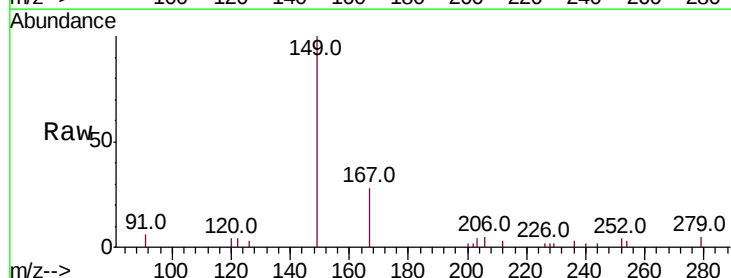
Delta R.T. -0.01 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Tgt Ion:149 Resp: 2233

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.1	1.6	2.4

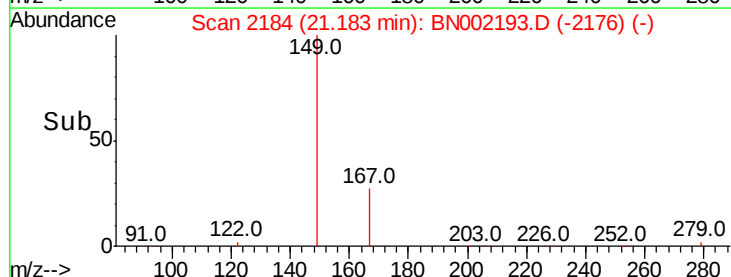
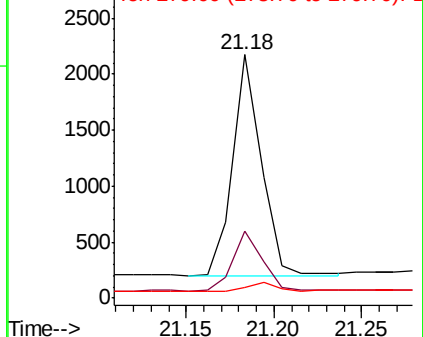


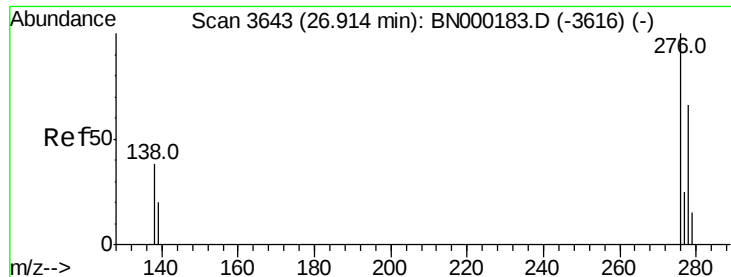
Abundance

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: 0.199 ng

RT: 25.73 min Scan# 3270

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

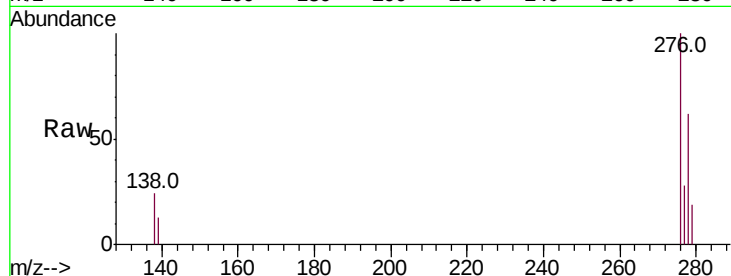
Tot Ion:276 Resp: 6130

Ion Ratio Lower Upper

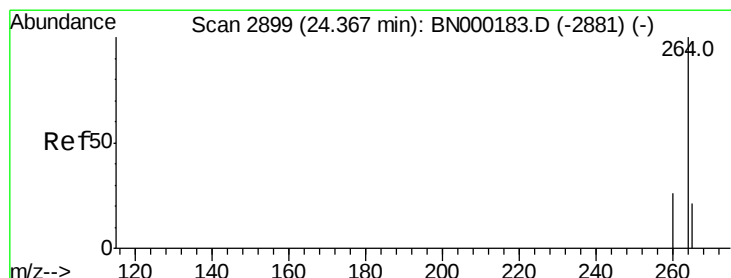
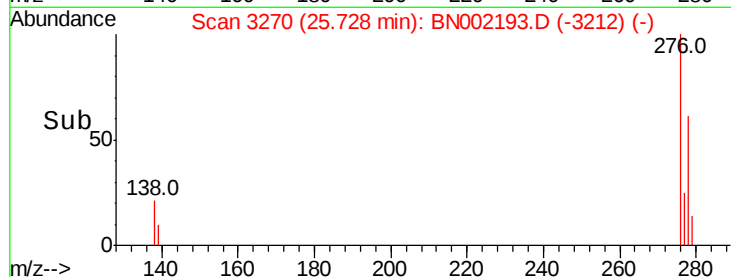
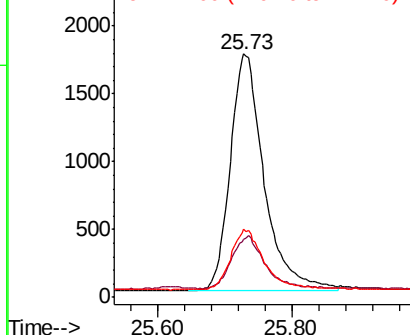
276 100

138 22.5 22.5 33.7

277 24.9 19.9 29.9



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: BN002193.D

Acq: 30 Jul 2018 19:35

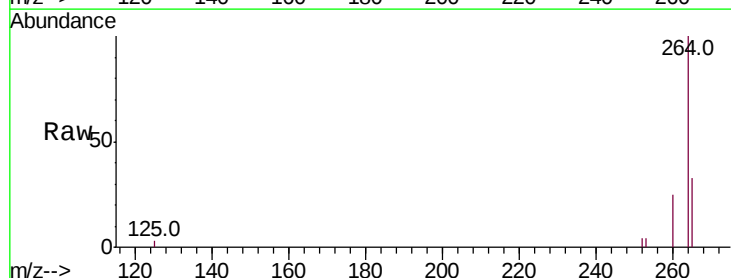
Tgt Ion:264 Resp: 10645

Ion Ratio Lower Upper

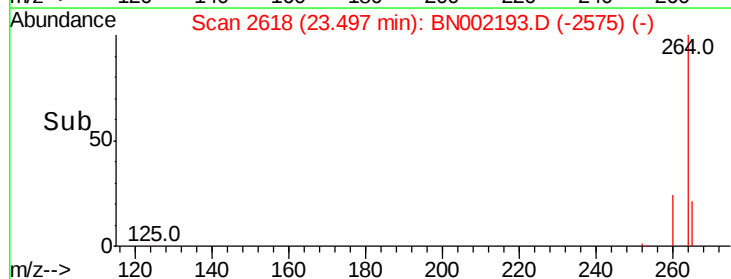
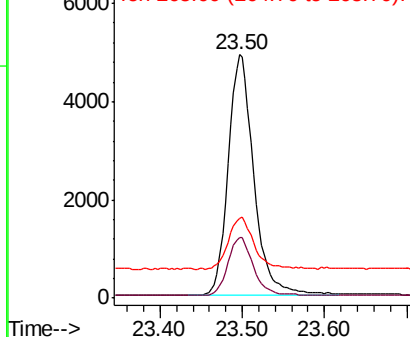
264 100

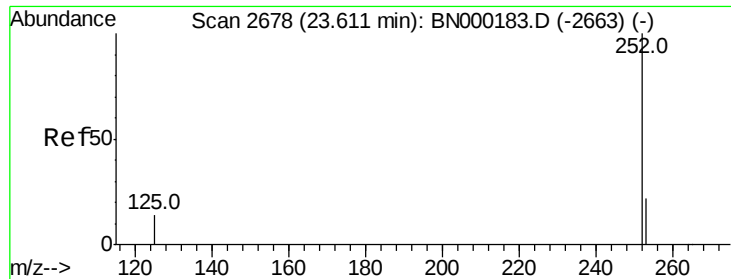
260 24.9 20.5 30.7

265 32.7 22.8 34.2



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: 0.183 ng

RT: 22.83 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

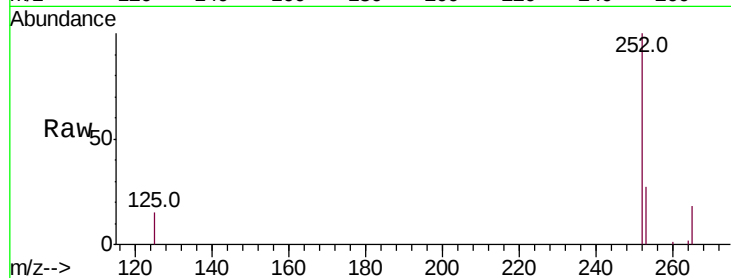
Tot Ion:252 Resp: 5724

Ion Ratio Lower Upper

252 100

253 26.8 20.0 30.0

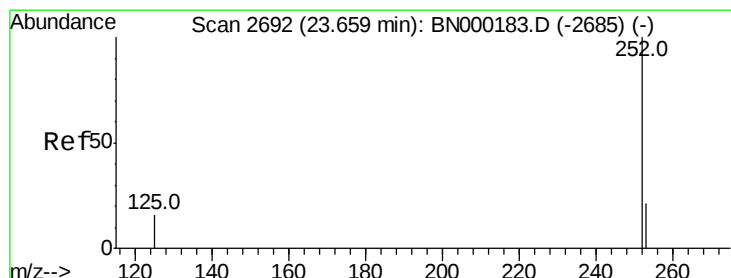
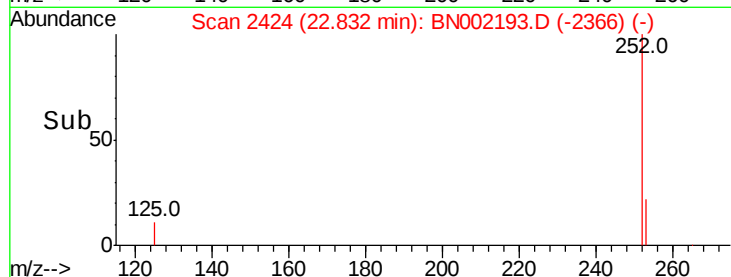
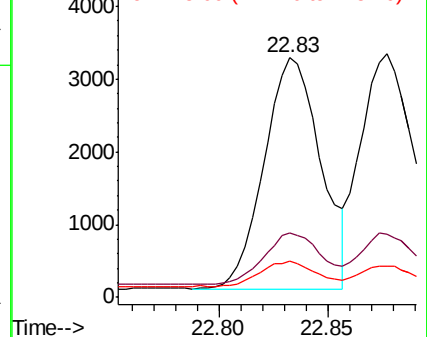
125 15.2 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.180 ng

RT: 22.88 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

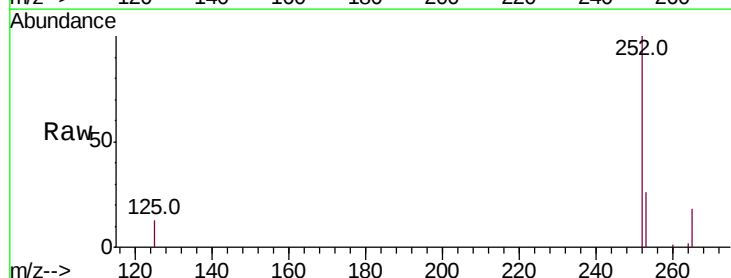
Tgt Ion:252 Resp: 5859

Ion Ratio Lower Upper

252 100

253 26.1 16.0 24.0#

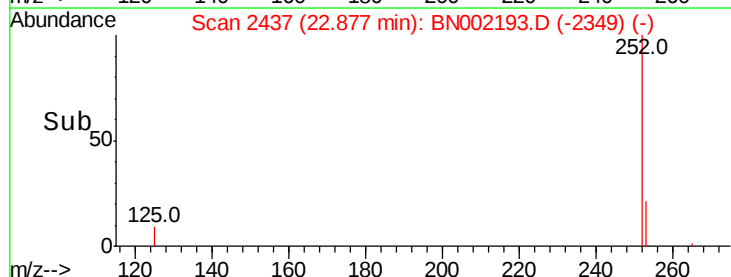
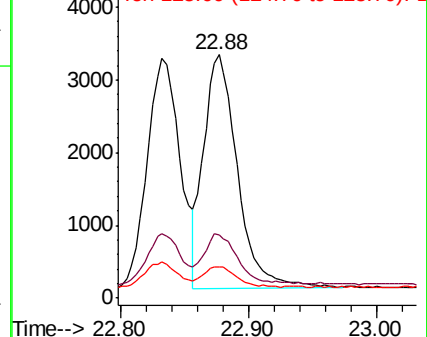
125 12.6 8.0 12.0#

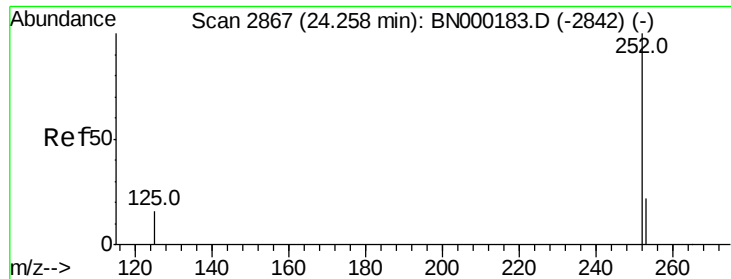


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.183 ng

RT: 23.40 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

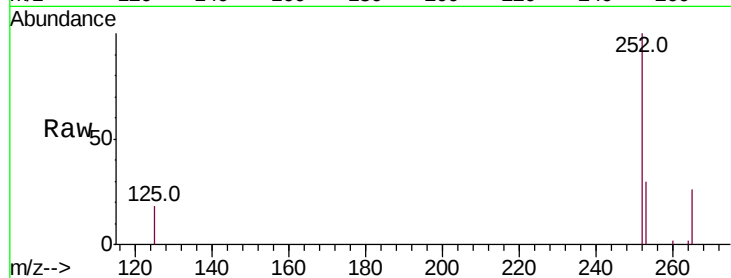
Tot Ion:252 Resp: 5177

Ion Ratio Lower Upper

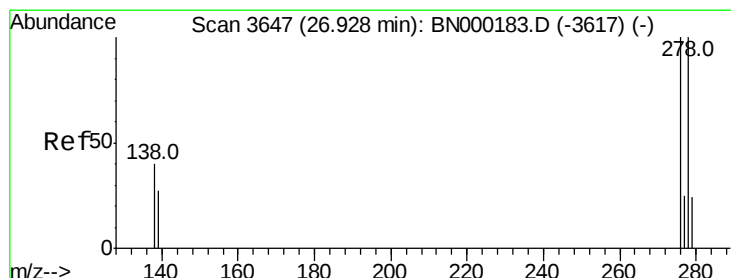
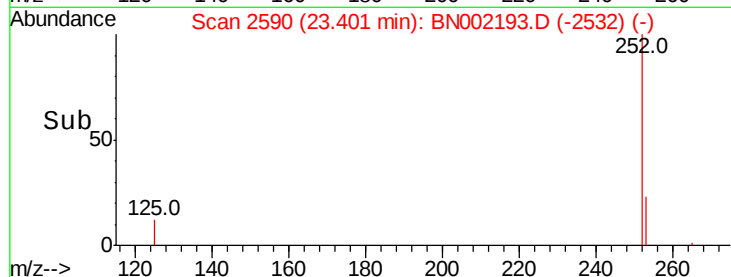
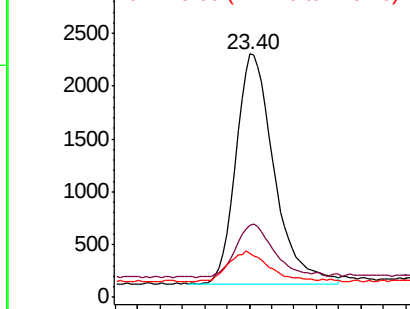
252 100

253 29.6 16.0 24.0#

125 18.0 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.181 ng

RT: 25.75 min Scan# 3275

Delta R.T. 0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

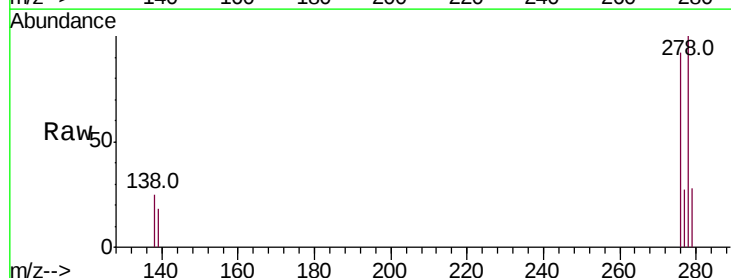
Tgt Ion:278 Resp: 5002

Ion Ratio Lower Upper

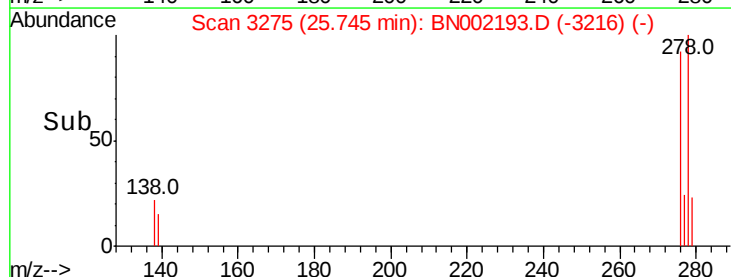
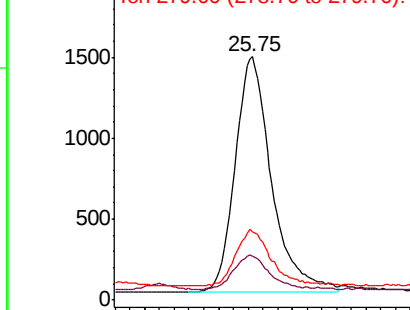
278 100

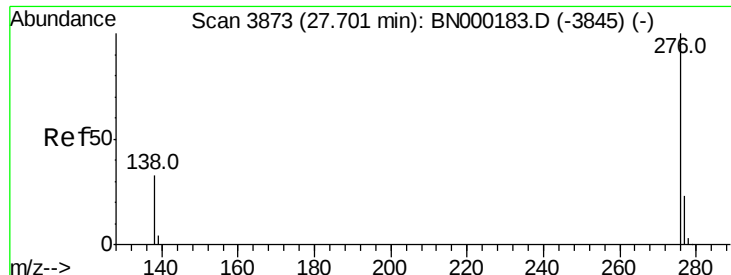
139 18.3 16.0 24.0

279 28.2 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.189 ng

RT: 26.41 min Scan# 3469

Delta R.T. 0.00 min

Lab File: BN002193.D

Acq: 30 Jul 2018 19:35

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2018

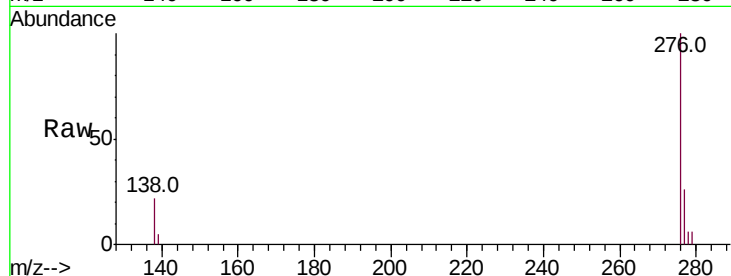
Tot Ion: 276 Resp: 5343

Ion Ratio Lower Upper

276 100

277 26.3 16.0 24.0#

138 22.3 20.0 30.0



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

