

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
 Data File : BN010718.D
 Acq On : 14 May 2020 18:45
 Operator : CG/JU
 Sample : L2182-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: May 15 01:56:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 14:18:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4451	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	17171	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	10660	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	22053	0.40	ng	0.00
27) Chrysene-d12	21.15	240	18271	0.40	ng	0.00
34) Perylene-d12	23.32	264	17112	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	2119	0.24	ng	0.00
5) Phenol-d6	6.78	99	2557	0.24	ng	0.00
8) Nitrobenzene-d5	8.72	82	3087	0.26	ng	0.01
11) 2-Methylnaphthalene-d10	11.93	152	6609	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	801	0.21	ng	0.01
15) 2-Fluorobiphenyl	12.83	172	9340	0.24	ng	0.01
25) Fluoranthene-d10	18.99	212	14086	0.24	ng	0.00
29) Terphenyl-d14	19.60	244	11114	0.26	ng	0.00

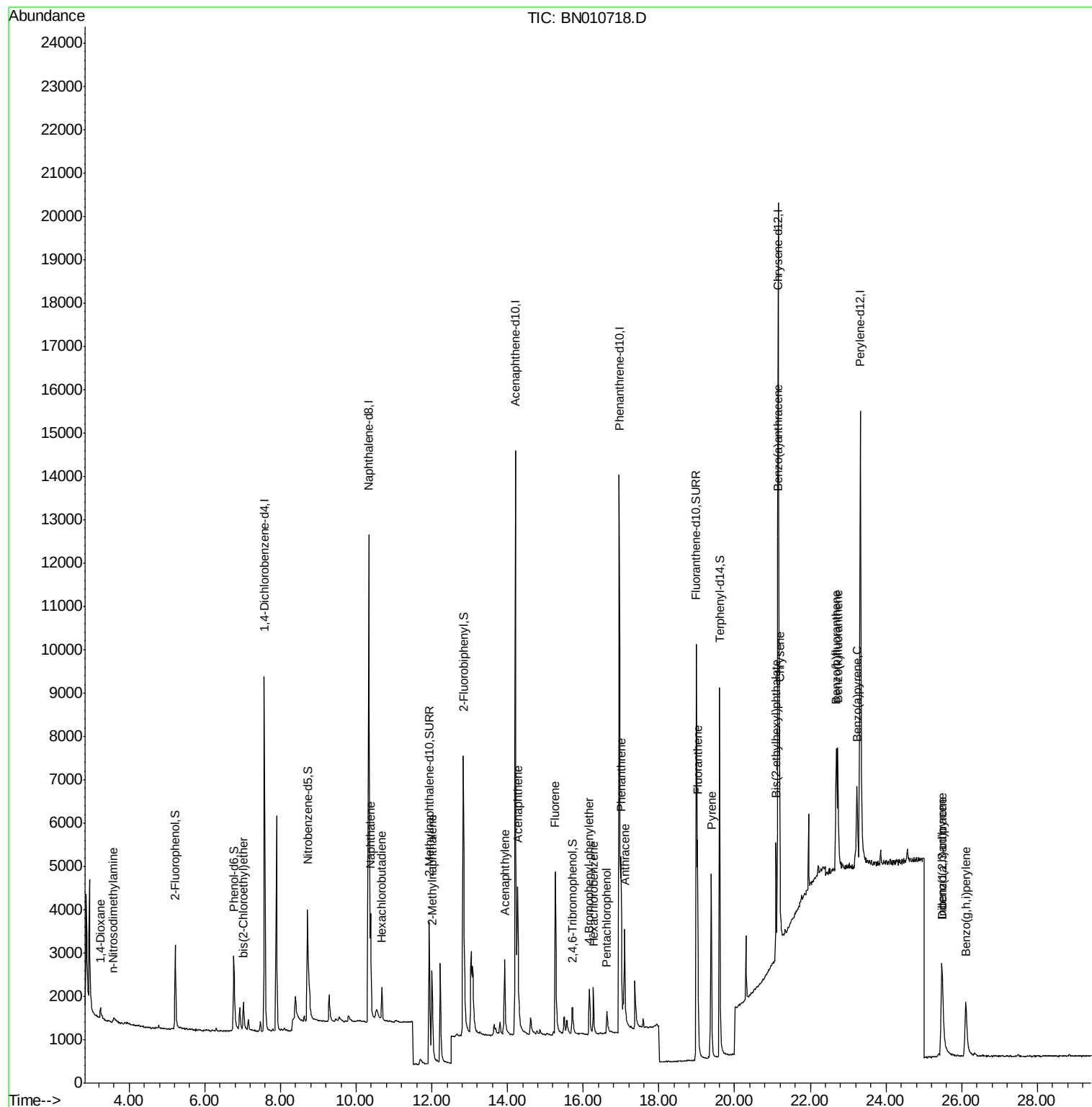
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	256	0.067	ng	# 89
3) n-Nitrosodimethylamine	3.59	42	124	0.056	ng	# 91
6) bis(2-Chloroethyl)ether	7.03	93	768	0.070	ng	96
9) Naphthalene	10.38	128	3146	0.073	ng	95
10) Hexachlorobutadiene	10.67	225	706	0.071	ng	# 97
12) 2-Methylnaphthalene	12.00	142	2201	0.072	ng	98
16) Acenaphthylene	13.92	152	2813	0.065	ng	98
17) Acenaphthene	14.27	154	1994	0.068	ng	99
18) Fluorene	15.26	166	2568	0.067	ng	98
20) 4-Bromophenyl-phenylether	16.16	248	756	0.062	ng	91
21) Hexachlorobenzene	16.27	284	1105	0.076	ng	95
22) Pentachlorophenol	16.62	266	489	0.109	ng	94
23) Phenanthrene	17.00	178	4122	0.070	ng	98
24) Anthracene	17.09	178	3227	0.065	ng	100
26) Fluoranthene	19.02	202	4675	0.070	ng	98
28) Pyrene	19.38	202	4586	0.070	ng	99
30) Benzo(a)anthracene	21.14	228	3604	0.068	ng	97
31) Chrysene	21.19	228	4435	0.074	ng	97
32) Bis(2-ethylhexyl)phthalate	21.09	149	2029	0.087	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.47	276	3877	0.072	ng	98
35) Benzo(b)fluoranthene	22.68	252	3774	0.067	ng	# 72
36) Benzo(k)fluoranthene	22.72	252	4600m	0.075	ng	
37) Benzo(a)pyrene	23.23	252	3193	0.065	ng	# 54
38) Dibenzo(a,h)anthracene	25.48	278	3097	0.074	ng	# 71
39) Benzo(g,h,i)perylene	26.11	276	3696	0.075	ng	# 90

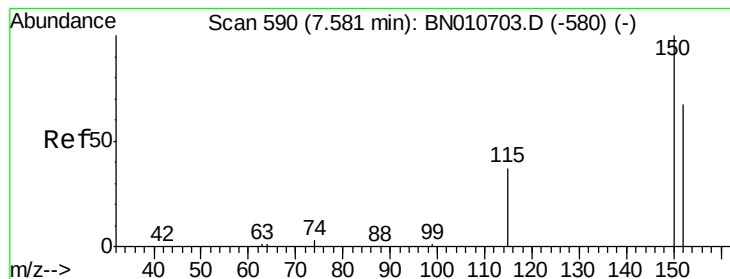
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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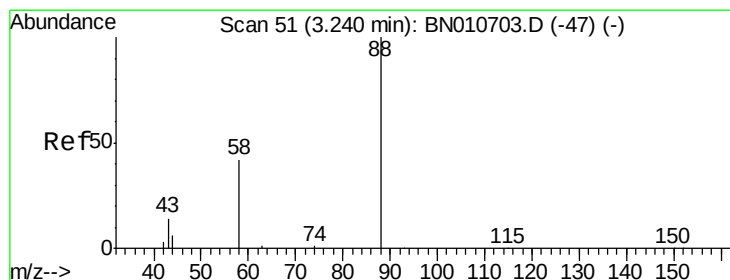
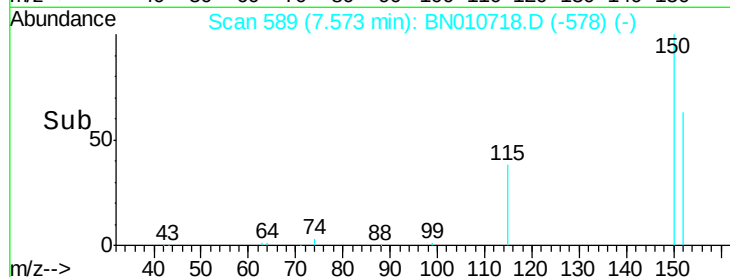
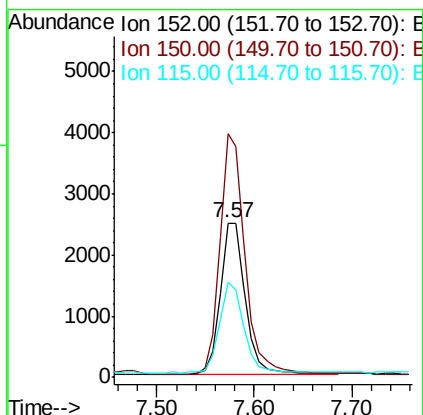
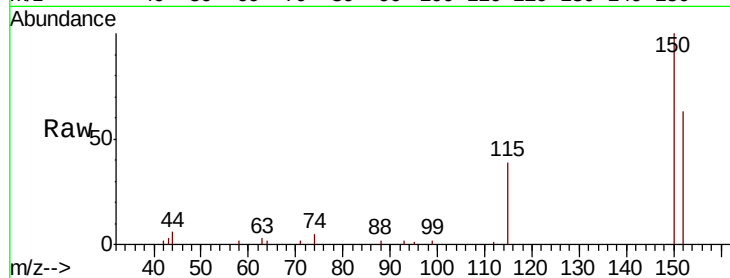


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.01 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2020

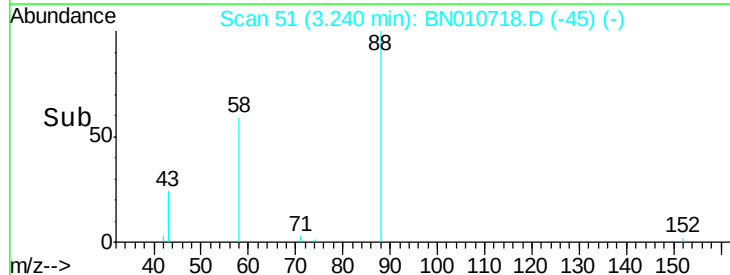
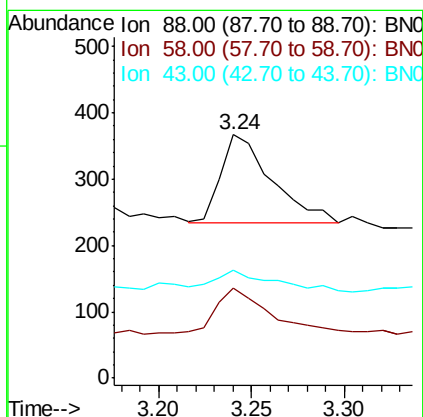
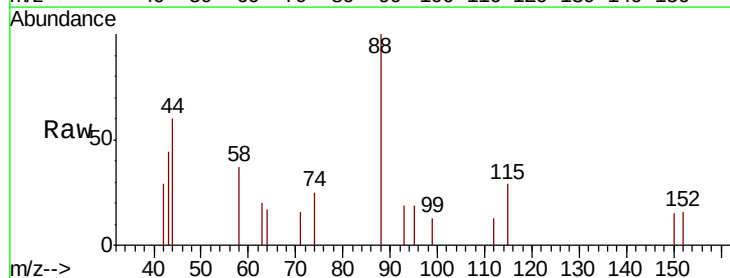
Tot Ion:152 Resp: 4451
Ion Ratio Lower Upper
152 100
150 157.8 119.4 179.0
115 61.7 45.9 68.9

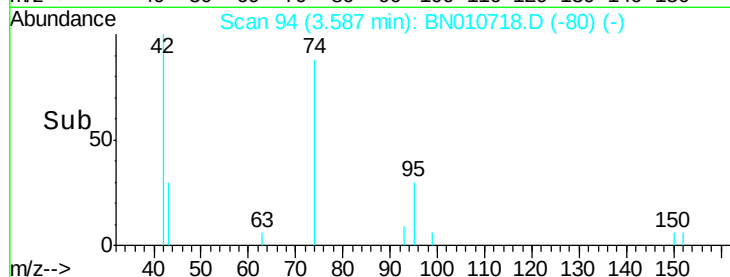
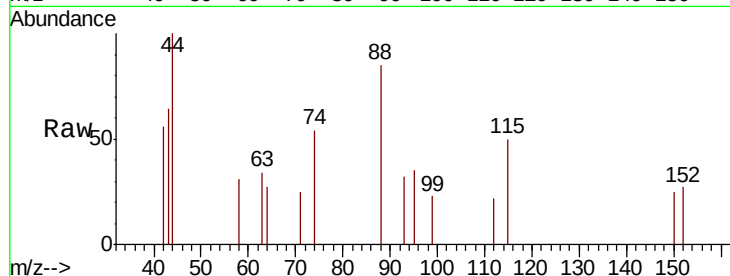
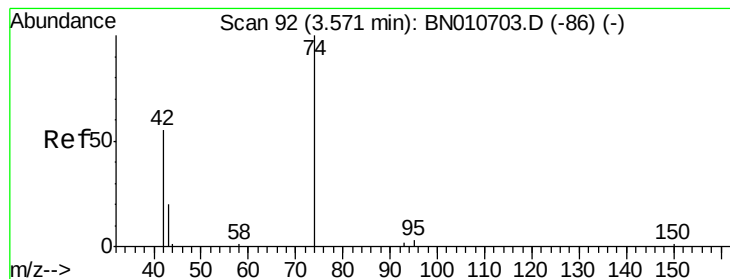


#2

1,4-Dioxane
Concen: 0.067 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Tgt Ion: 88 Resp: 256
Ion Ratio Lower Upper
88 100
58 51.6 39.0 58.6
43 30.1 13.1 19.7#





#3

n-Nitrosodimethylamine

Concen: 0.056 ng

RT: 3.59 min Scan# 94

Delta R.T. 0.02 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

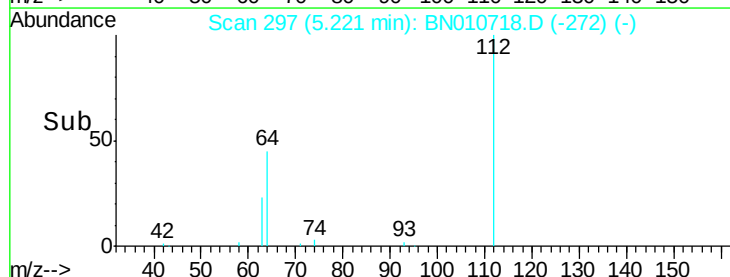
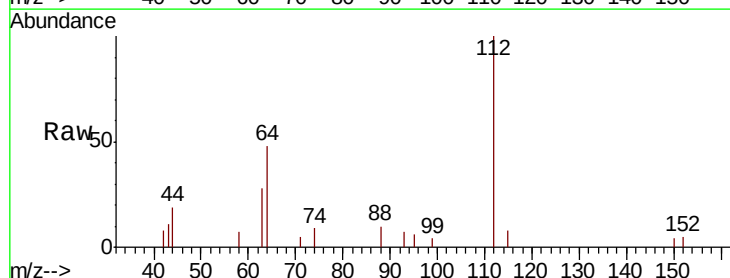
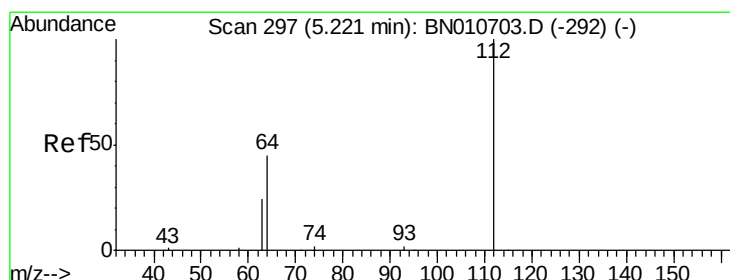
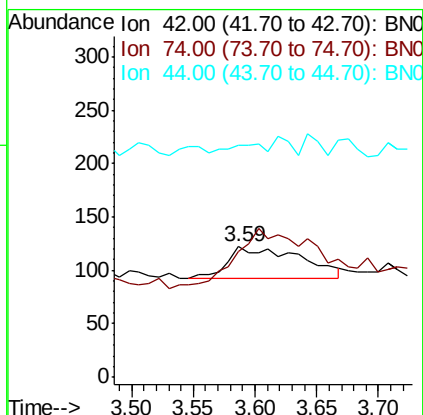
Tot Ion: 42 Resp: 124

Ion Ratio Lower Upper

42 100

74 169.4 146.2 219.2

44 0.0 3.0 4.4#



#4

2-Fluorophenol

Concen: 0.243 ng

RT: 5.22 min Scan# 297

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

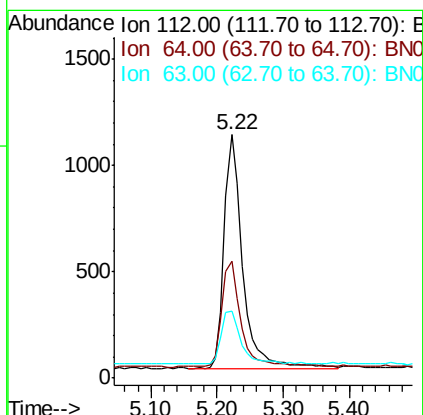
Tgt Ion: 112 Resp: 2119

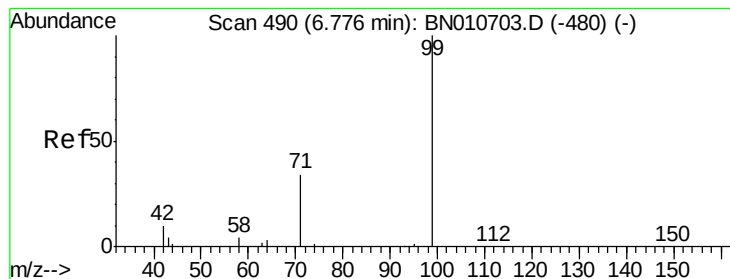
Ion Ratio Lower Upper

112 100

64 46.6 36.2 54.4

63 24.2 19.8 29.8





#5

Phenol-d6

Concen: 0.240 ng

RT: 6.78 min Scan# 490

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

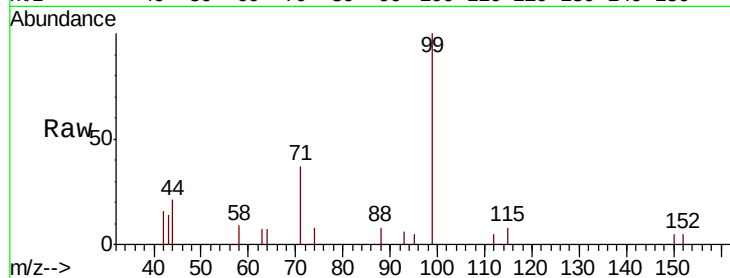
Tot Ion: 99 Resp: 2557

Ion Ratio Lower Upper

99 100

42 13.0 9.8 14.8

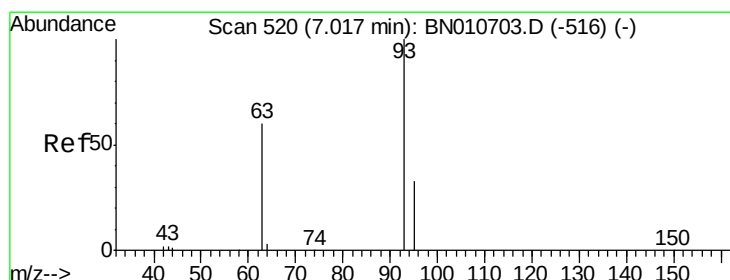
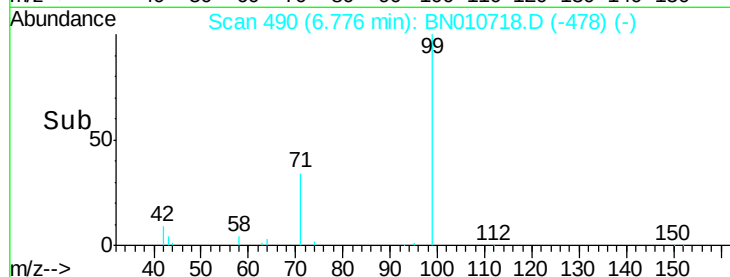
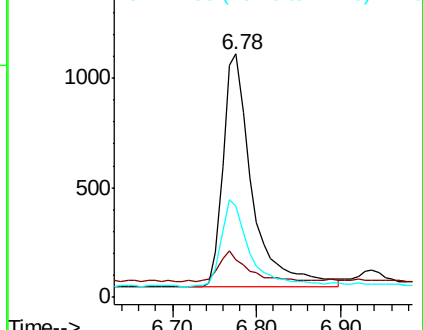
71 36.8 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010718.D (-478) (-)

Ion 42.00 (41.70 to 42.70): BN010718.D (-478) (-)

Ion 71.00 (70.70 to 71.70): BN010718.D (-478) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.070 ng

RT: 7.03 min Scan# 521

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

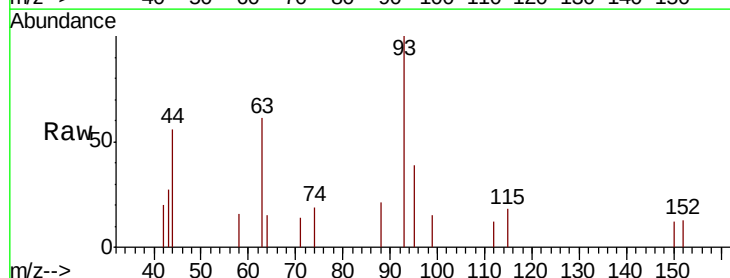
Tgt Ion: 93 Resp: 768

Ion Ratio Lower Upper

93 100

63 56.9 43.1 64.7

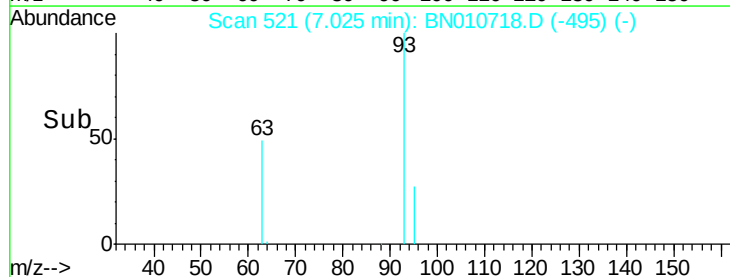
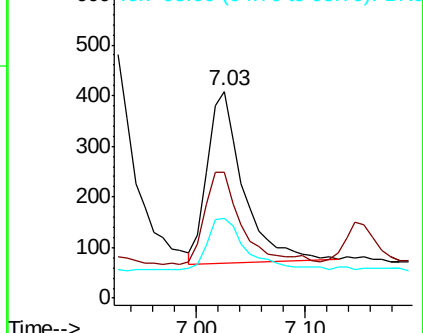
95 33.3 24.6 37.0

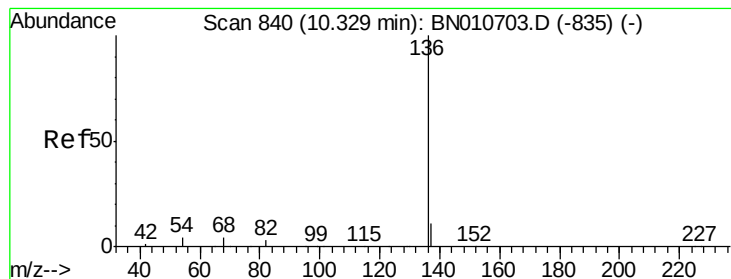


Abundance Ion 93.00 (92.70 to 93.70): BN010718.D (-495) (-)

Ion 63.00 (62.70 to 63.70): BN010718.D (-495) (-)

Ion 95.00 (94.70 to 95.70): BN010718.D (-495) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

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LOQ-SOIL-02-QT2-2020

Tot Ion:136 Resp: 17171

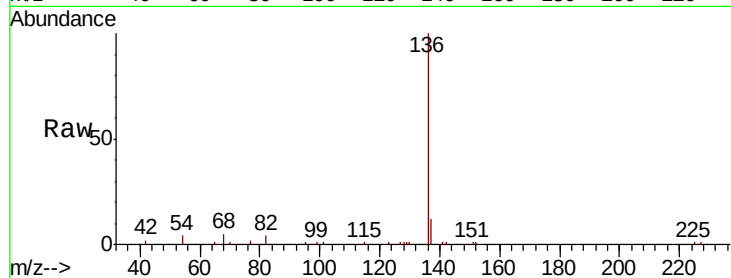
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 4.3 3.6 5.4

68 4.9 4.1 6.1

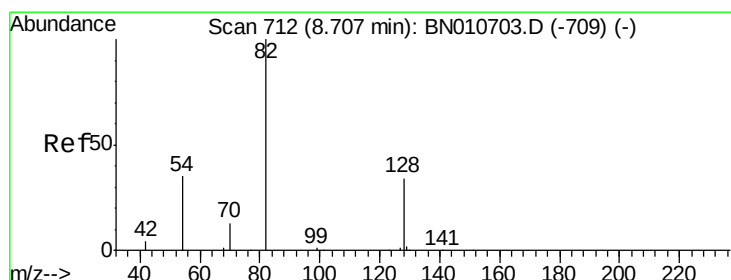
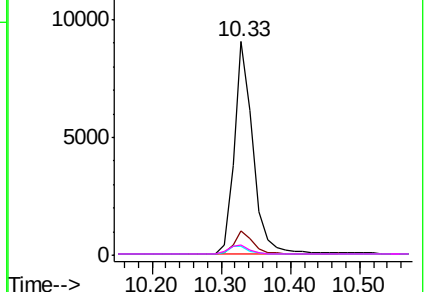
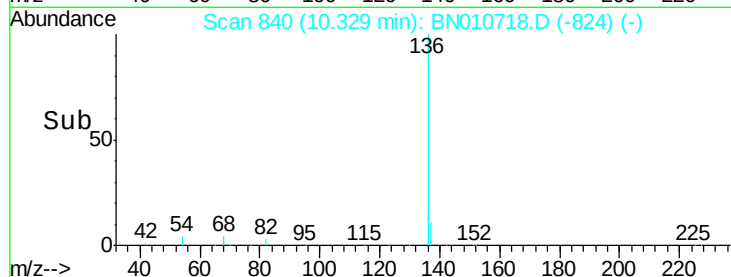


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.259 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

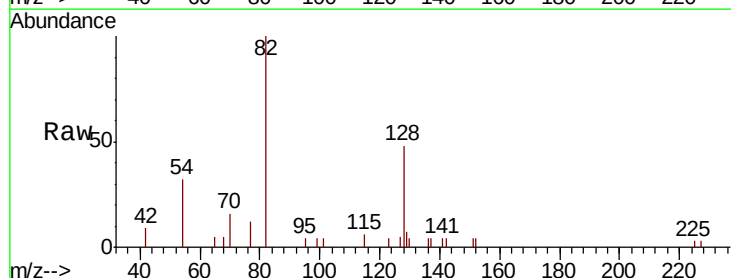
Tgt Ion: 82 Resp: 3087

Ion Ratio Lower Upper

82 100

128 48.4 29.0 43.4#

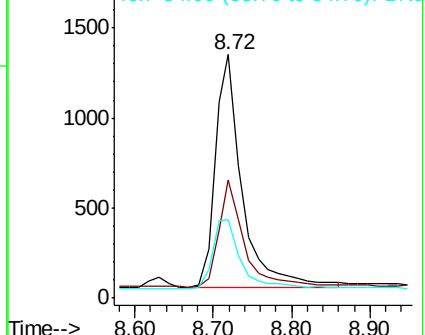
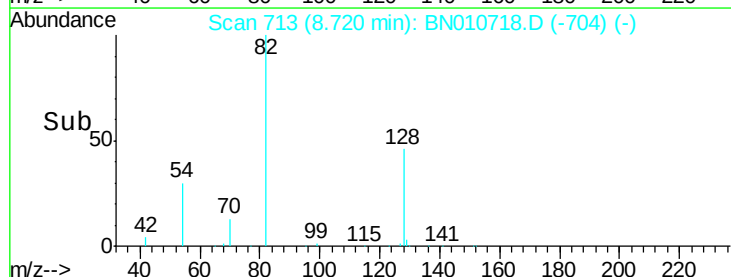
54 32.0 29.3 43.9

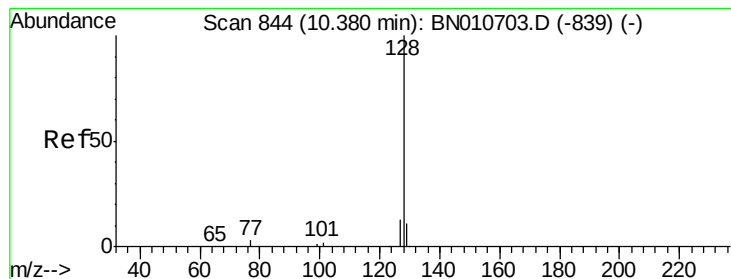


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.073 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010718.D

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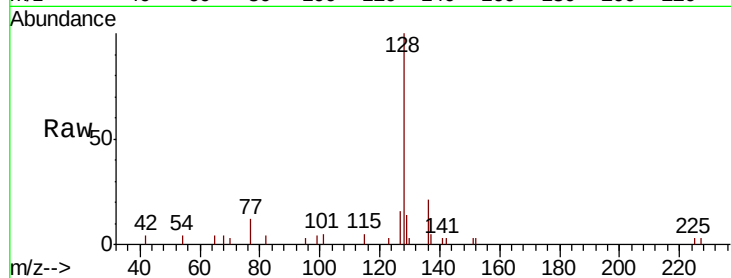
Tot Ion:128 Resp: 3146

Ion Ratio Lower Upper

128 100

129 13.9 9.3 13.9

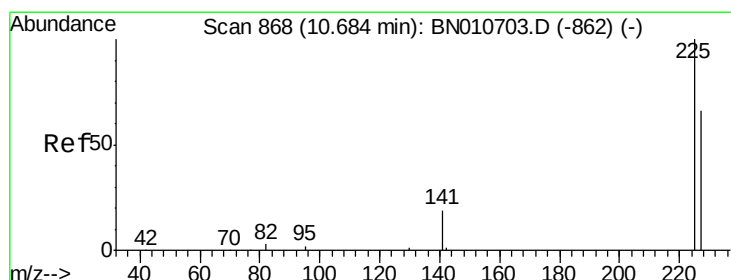
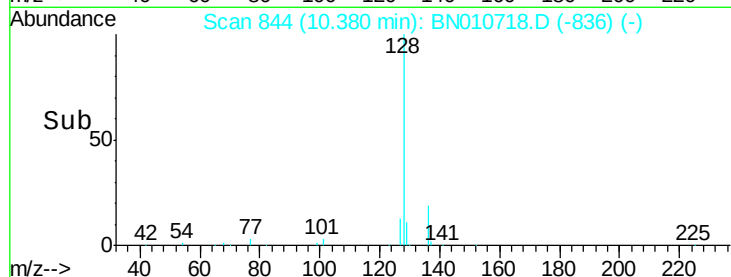
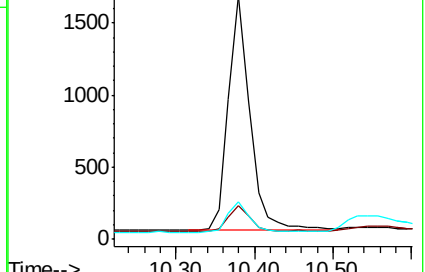
127 15.6 11.0 16.6



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: 0.071 ng

RT: 10.67 min Scan# 867

Delta R.T. -0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

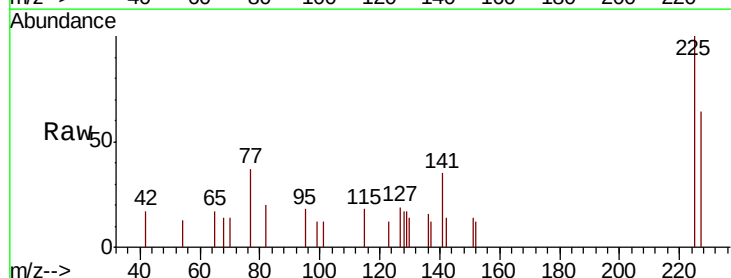
Tgt Ion:225 Resp: 706

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

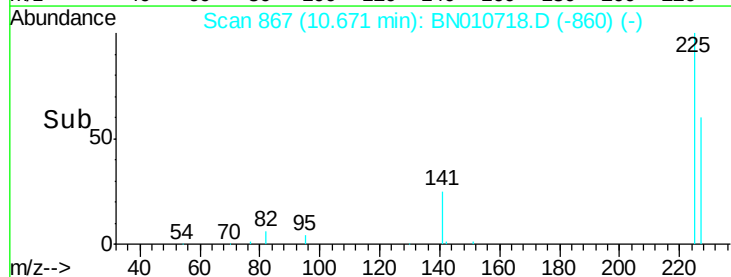
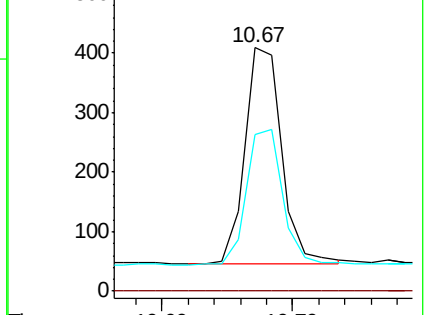
227 61.3 50.7 76.1

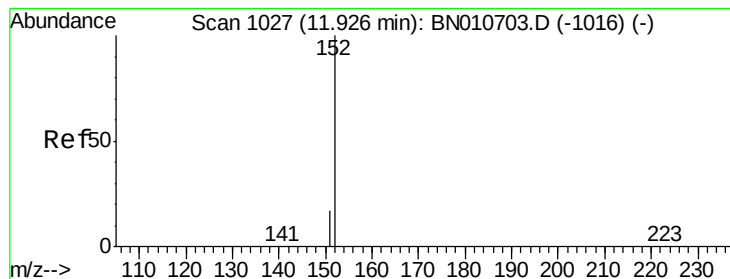


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.236 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

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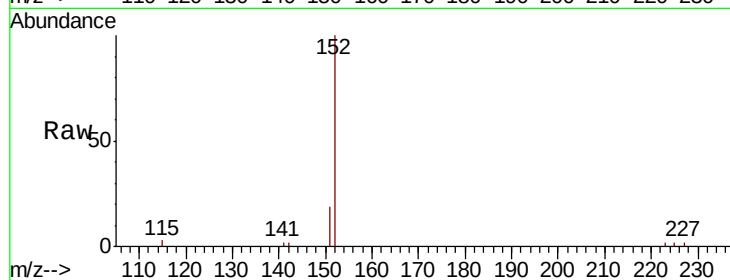
LOQ-SOIL-02-QT2-2020

Tot Ion:152 Resp: 6609

Ion Ratio Lower Upper

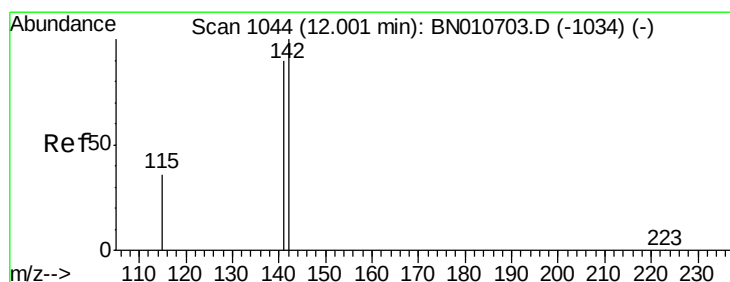
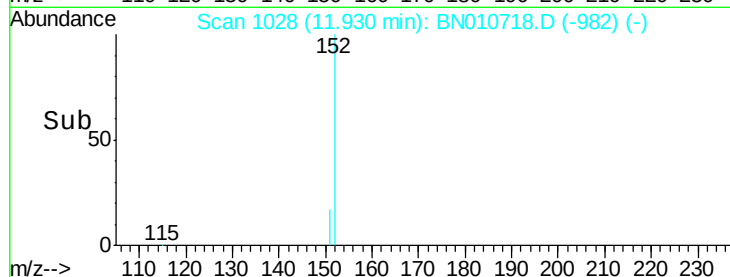
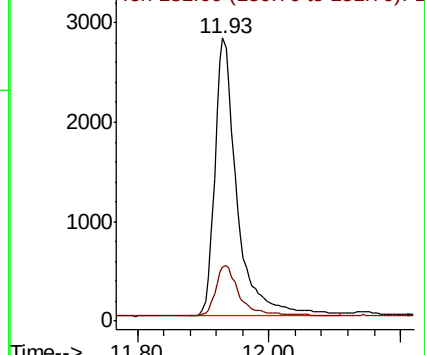
152 100

151 19.3 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: 0.072 ng

RT: 12.00 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

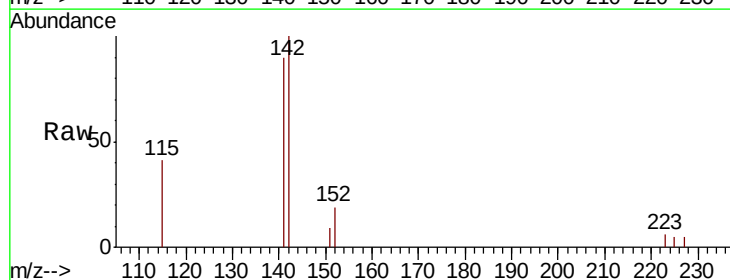
Tgt Ion:142 Resp: 2201

Ion Ratio Lower Upper

142 100

141 89.6 71.7 107.5

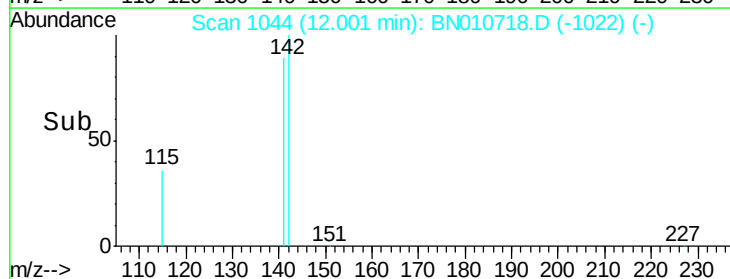
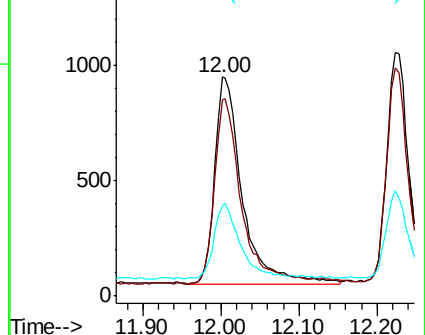
115 41.2 29.8 44.6

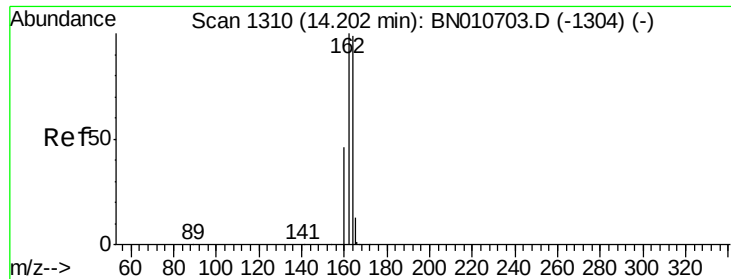


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.20 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

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ClientSampleId :

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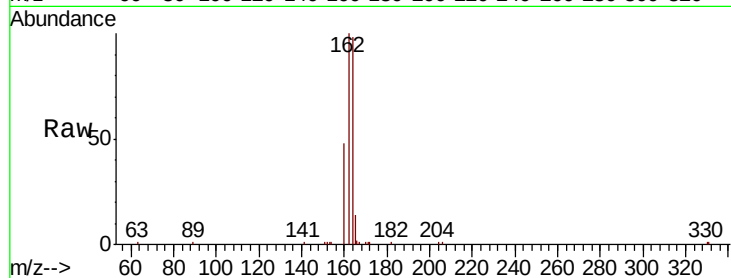
Tot Ion:164 Resp: 10660

Ion Ratio Lower Upper

164 100

162 102.2 81.1 121.7

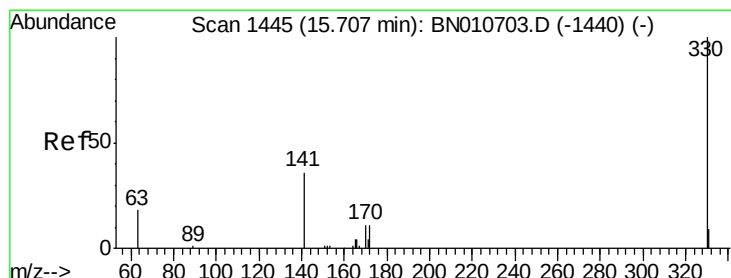
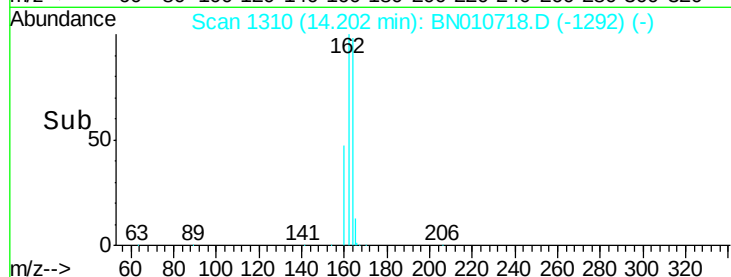
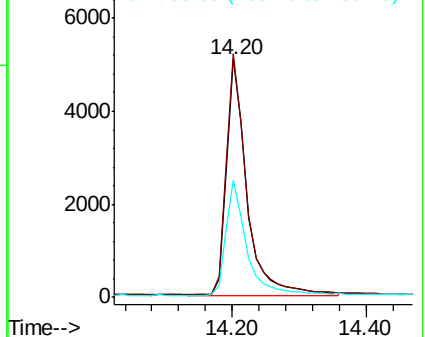
160 49.0 37.9 56.9



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: 0.207 ng

RT: 15.72 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

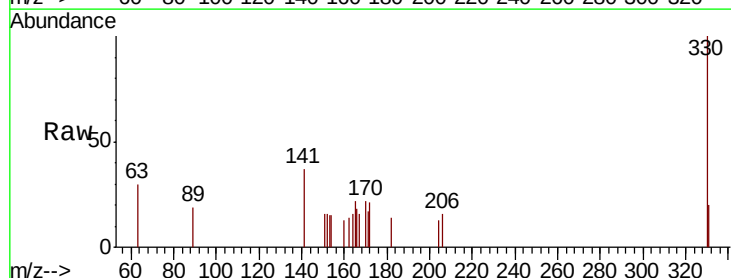
Tgt Ion:330 Resp: 801

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

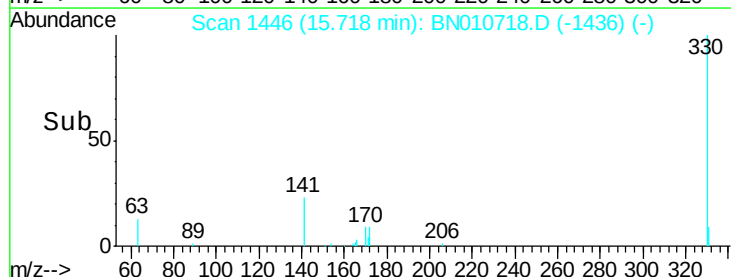
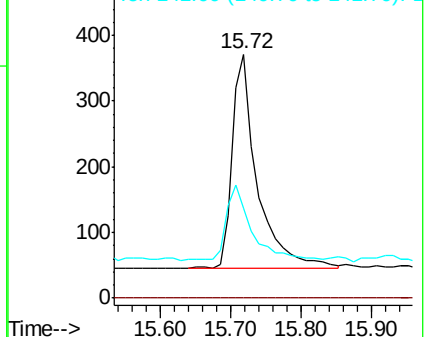
141 34.2 28.8 43.2

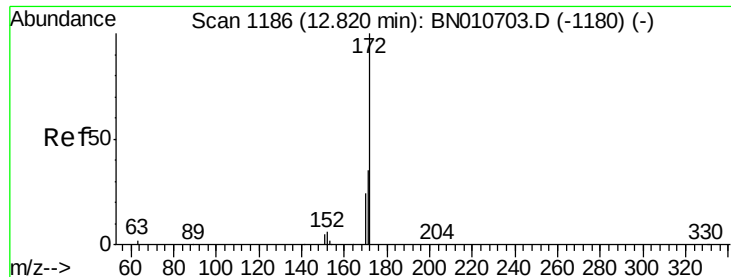


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

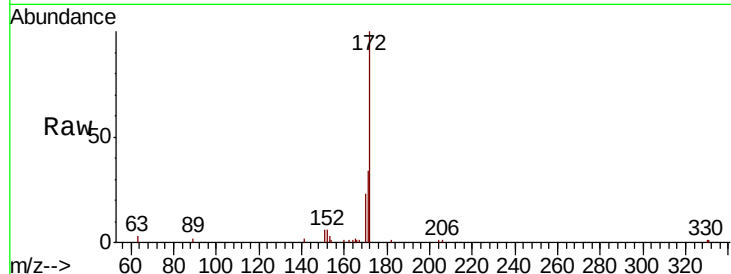




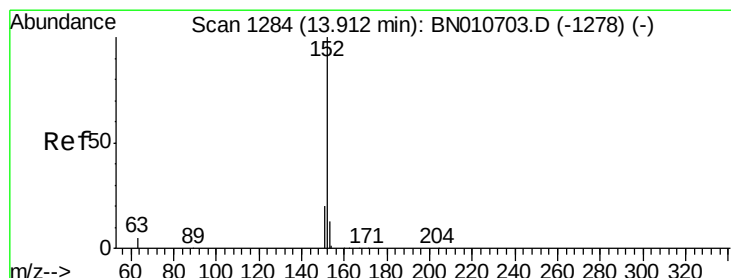
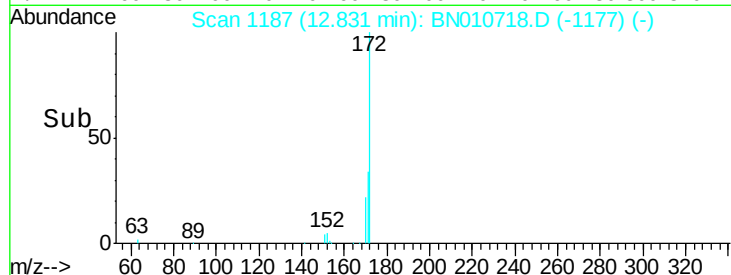
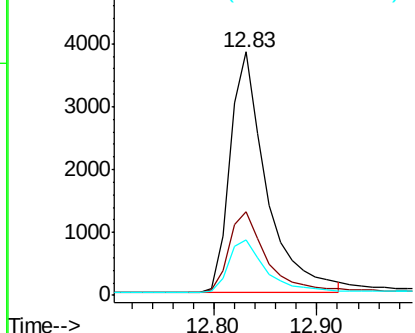
#15
2-Fluorobiphenyl
Concen: 0.239 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:172 Resp: 9340
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 22.9 19.8 29.8

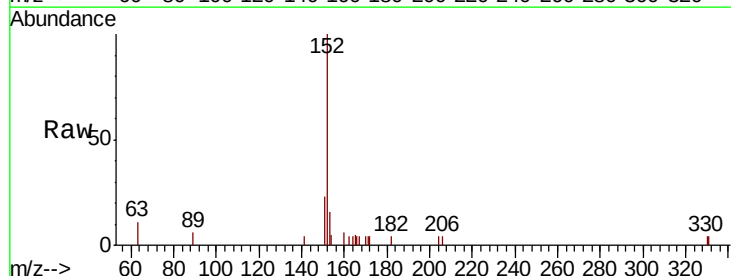


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

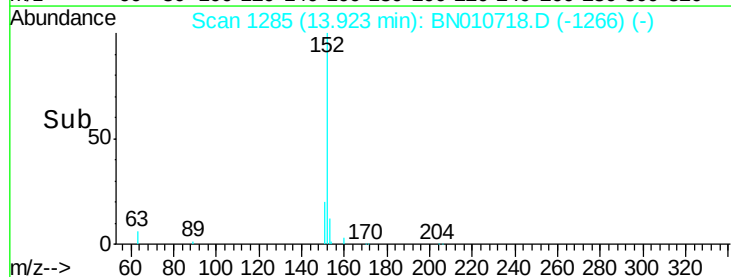
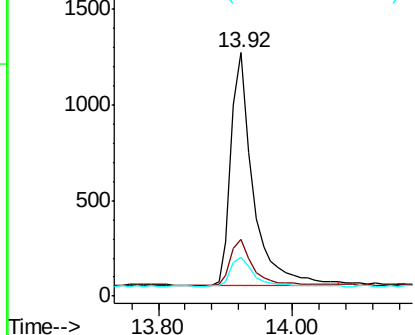


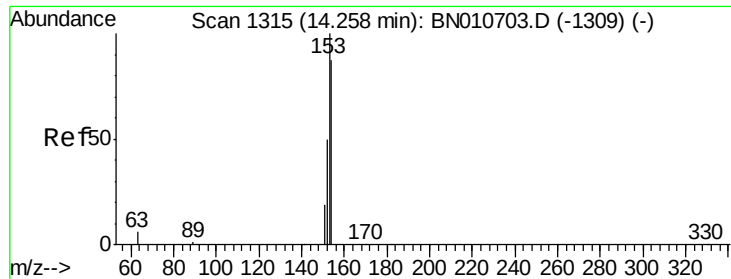
#16
Acenaphthylene
Concen: 0.065 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Tgt Ion:152 Resp: 2813
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
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: 0.068 ng

RT: 14.27 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

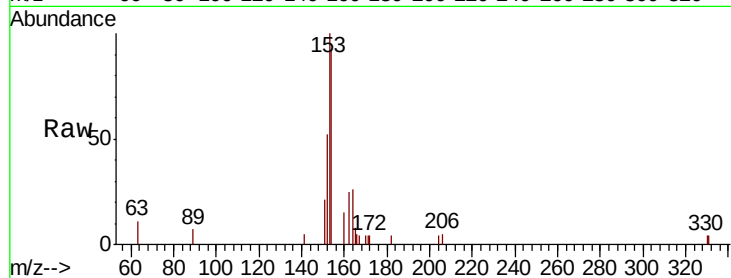
Tot Ion:154 Resp: 1994

Ion Ratio Lower Upper

154 100

153 113.8 91.5 137.3

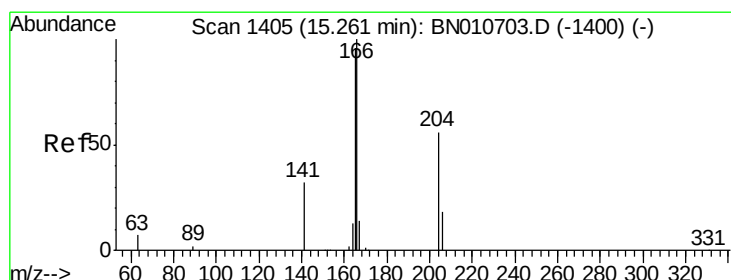
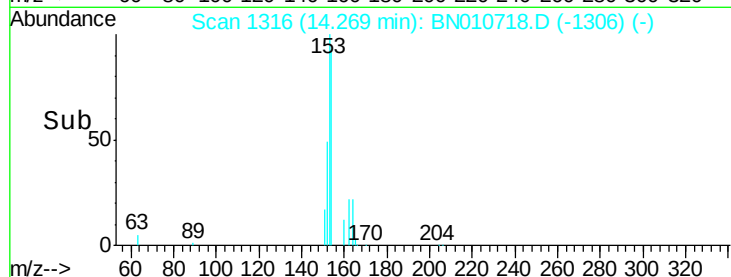
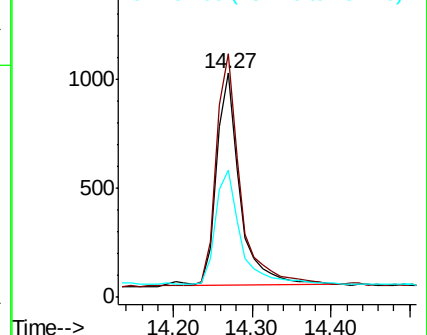
152 58.7 45.6 68.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.067 ng

RT: 15.26 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

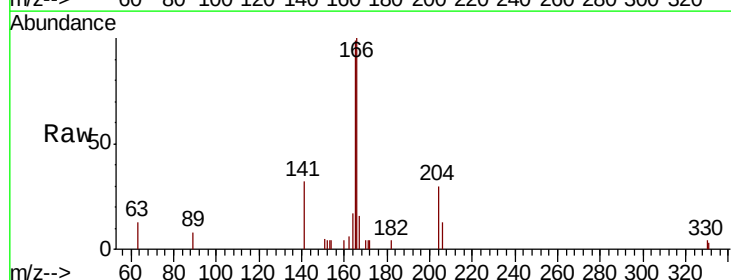
Tgt Ion:166 Resp: 2568

Ion Ratio Lower Upper

166 100

165 99.1 77.9 116.9

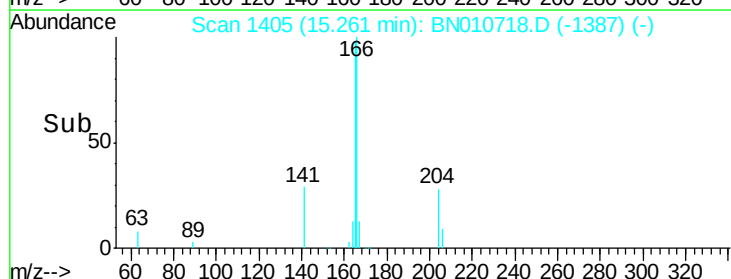
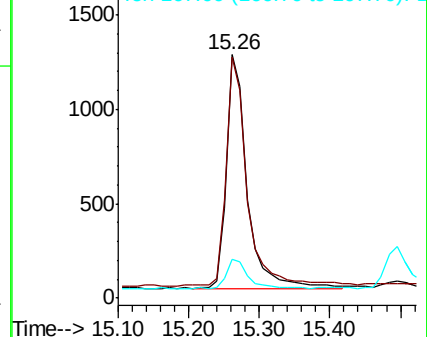
167 13.6 11.0 16.4

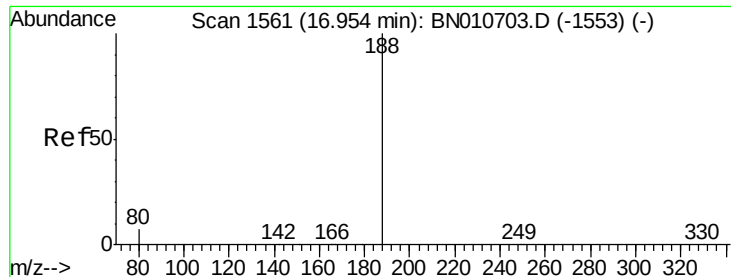


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

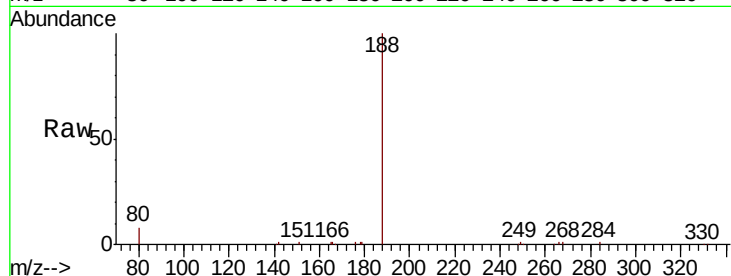
Tot Ion:188 Resp: 22053

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

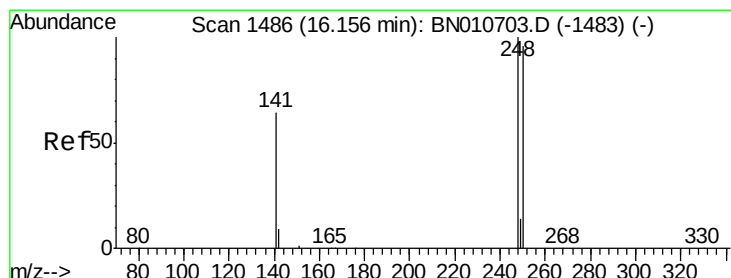
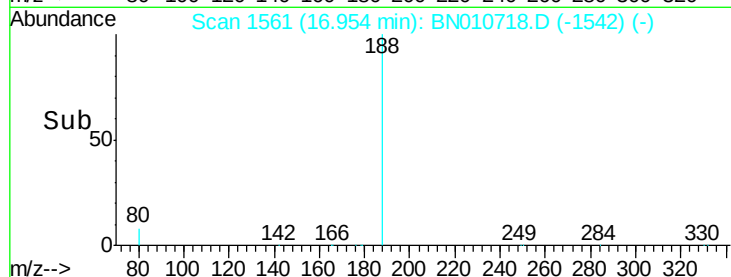
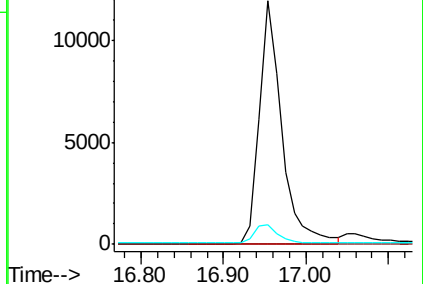
80 8.2 6.3 9.5



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: 0.062 ng

RT: 16.16 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

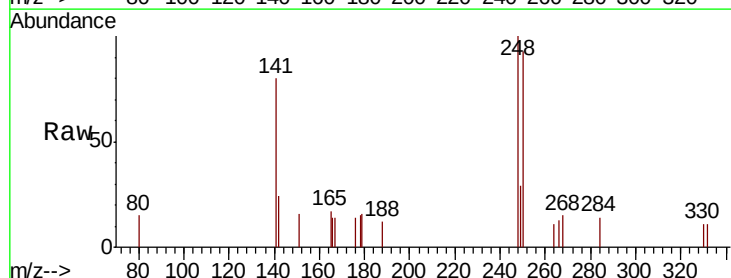
Tgt Ion:248 Resp: 756

Ion Ratio Lower Upper

248 100

250 92.6 77.4 116.0

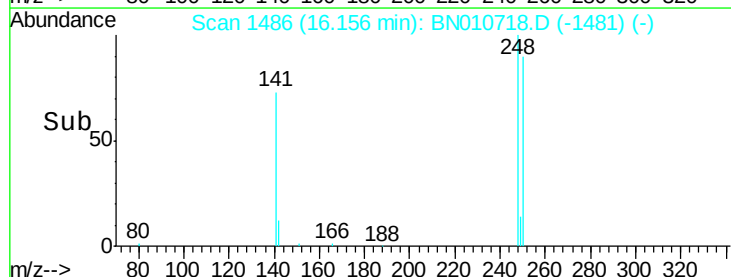
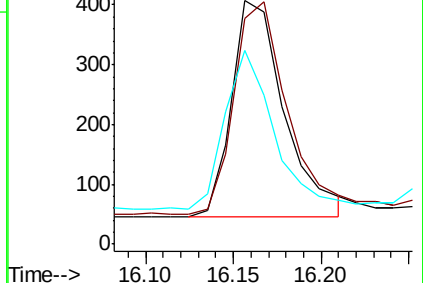
141 79.6 53.1 79.7

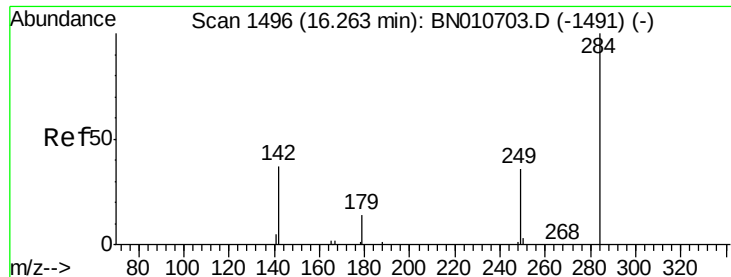


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.076 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

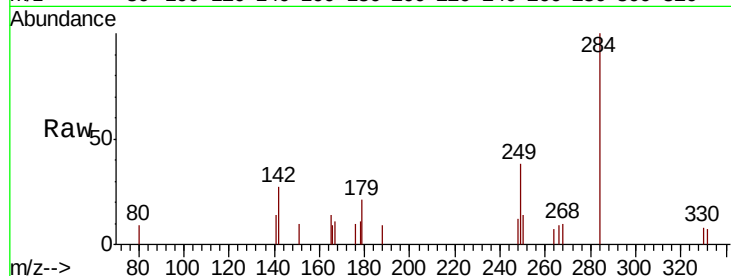
Tot Ion:284 Resp: 1105

Ion Ratio Lower Upper

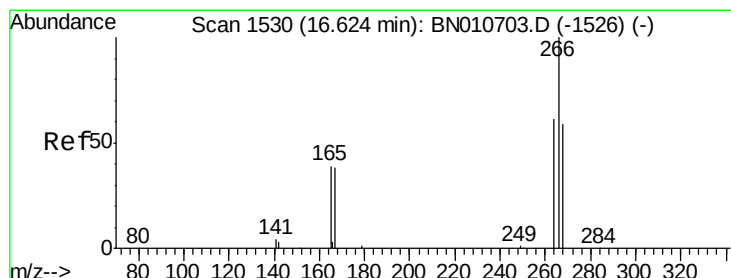
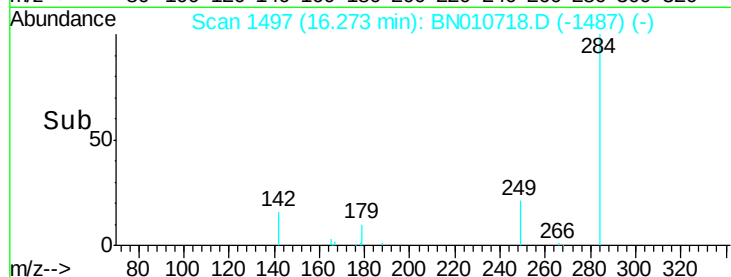
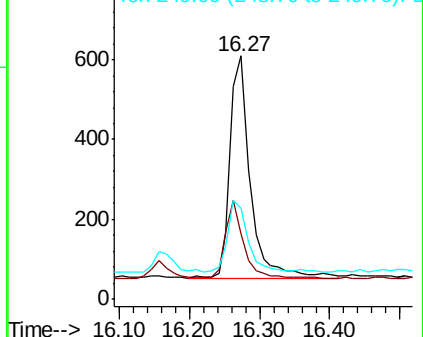
284 100

142 31.8 28.2 42.2

249 31.1 26.4 39.6



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: 0.109 ng

RT: 16.62 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

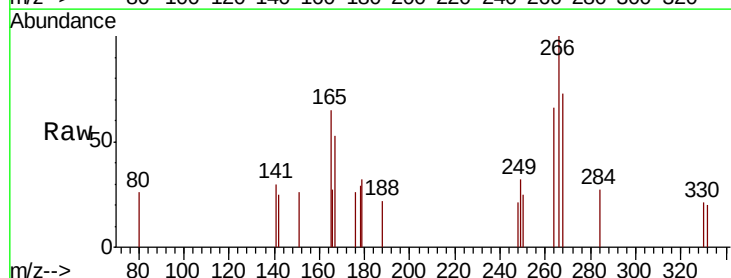
Tgt Ion:266 Resp: 489

Ion Ratio Lower Upper

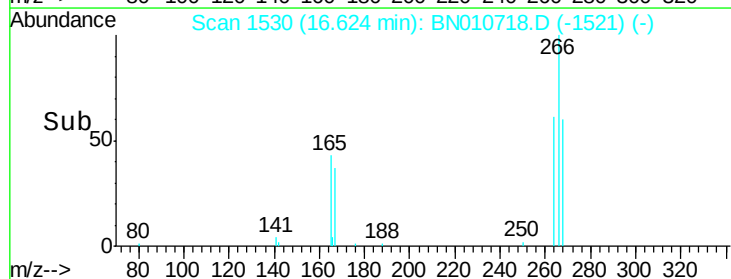
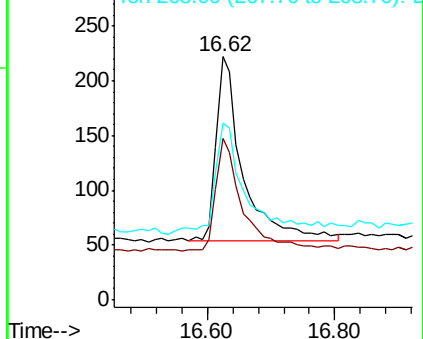
266 100

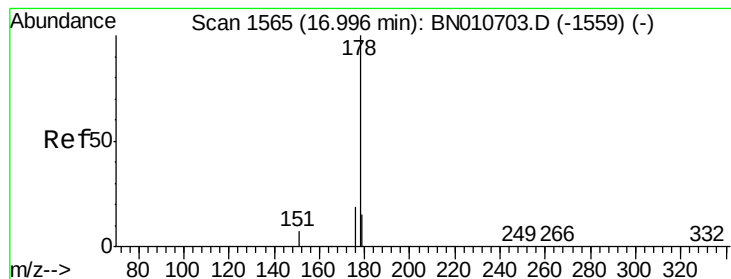
264 66.2 51.1 76.7

268 72.5 52.1 78.1



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: 0.070 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

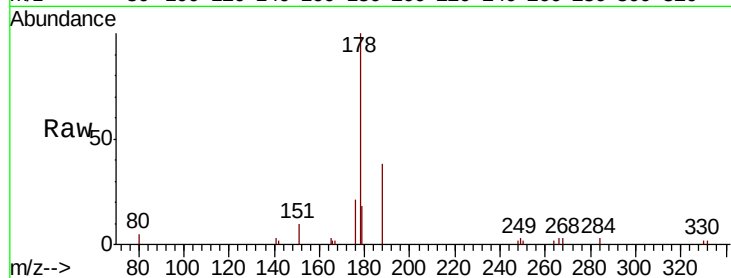
Tot Ion:178 Resp: 4122

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

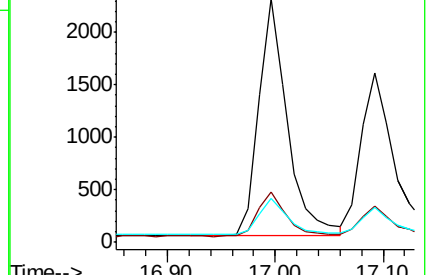
179 16.3 12.2 18.4



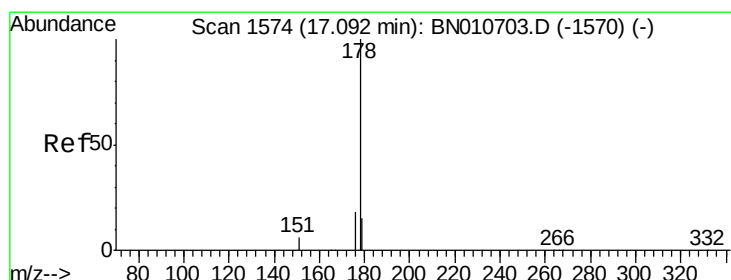
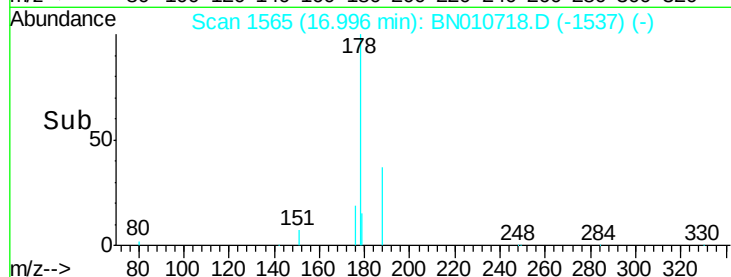
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.065 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

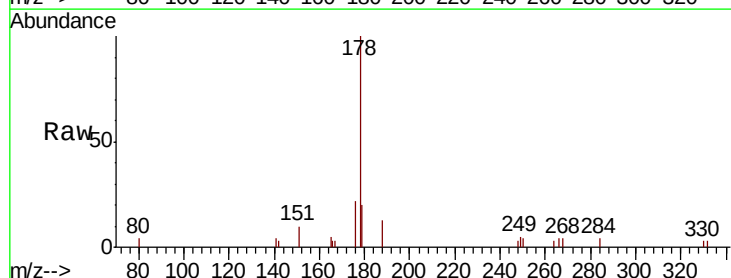
Tgt Ion:178 Resp: 3227

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

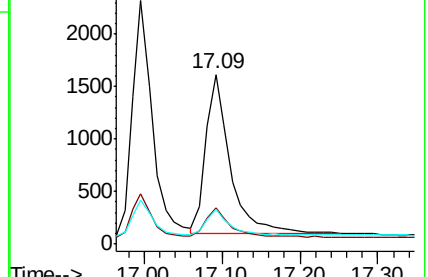
179 15.3 12.3 18.5



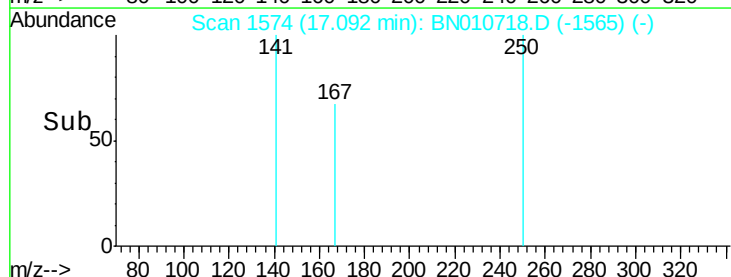
Abundance Ion 178.00 (177.70 to 178.70): E

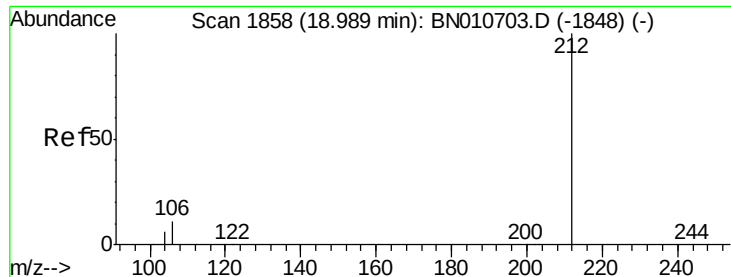
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.235 ng

RT: 18.99 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

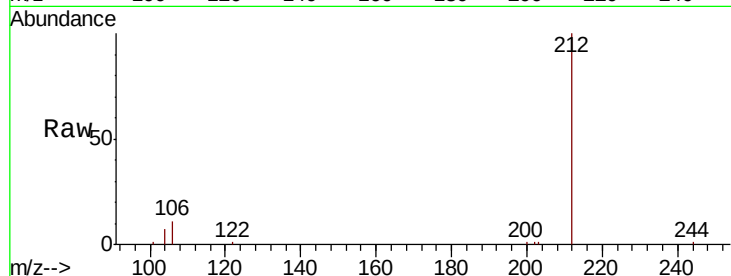
Tot Ion:212 Resp: 14086

Ion Ratio Lower Upper

212 100

106 9.9 8.2 12.2

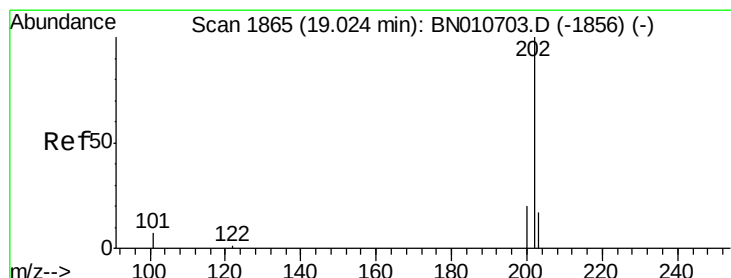
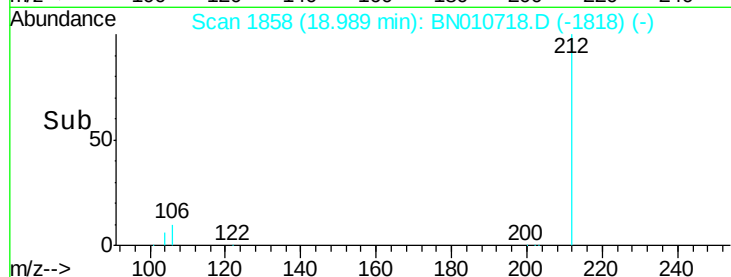
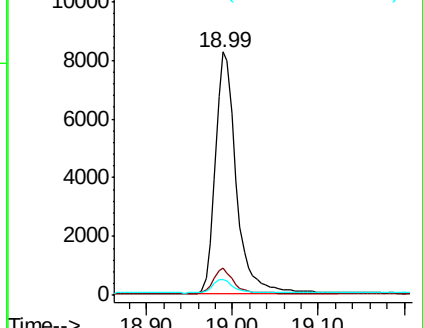
104 6.0 4.7 7.1



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: 0.070 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

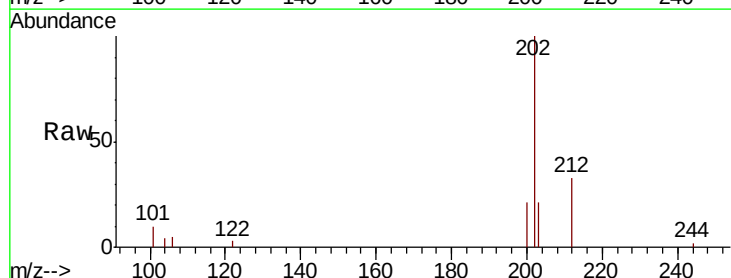
Tgt Ion:202 Resp: 4675

Ion Ratio Lower Upper

202 100

101 9.2 6.7 10.1

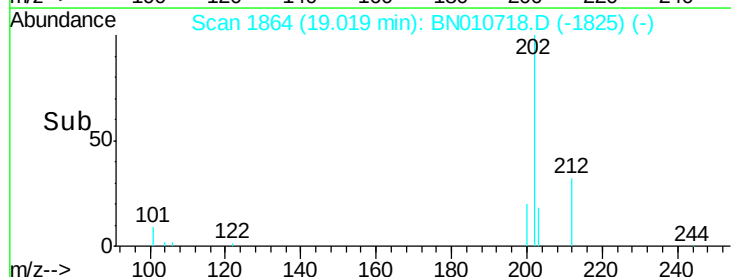
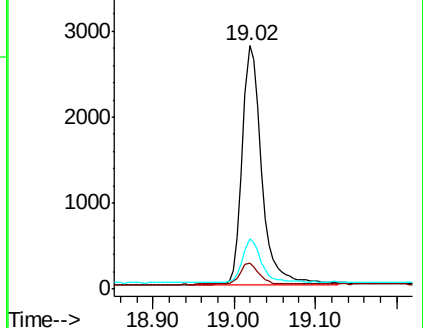
203 17.6 13.4 20.0

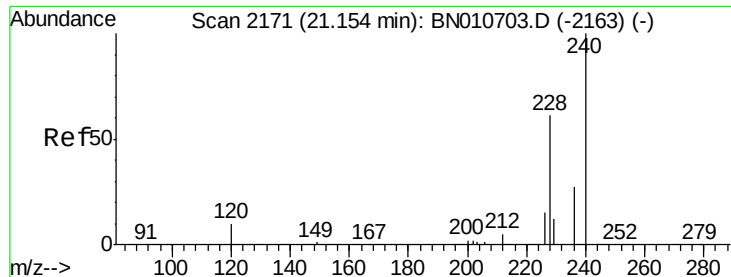


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

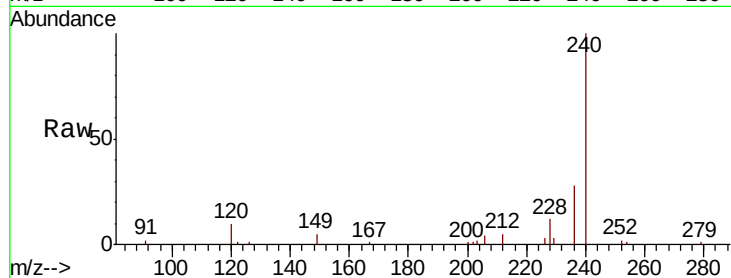




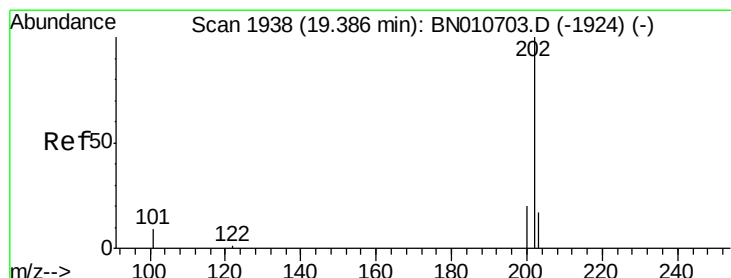
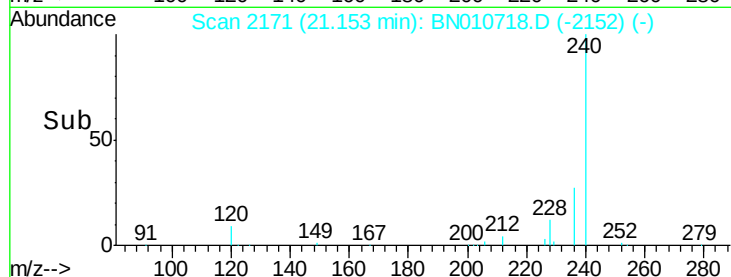
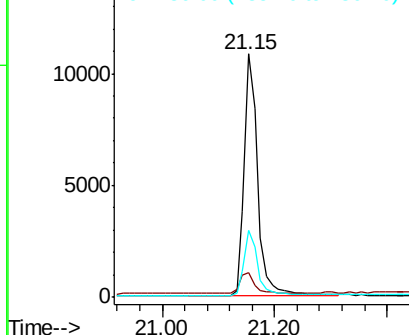
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:240 Resp: 18271
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 27.6 22.5 33.7

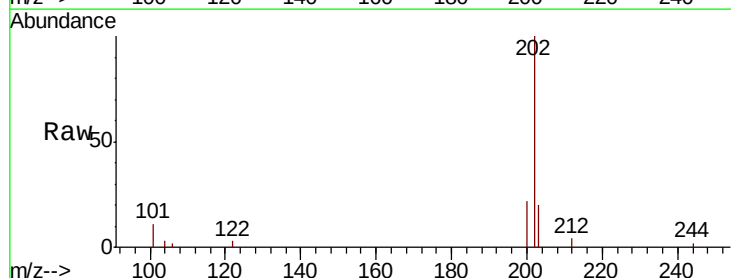


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

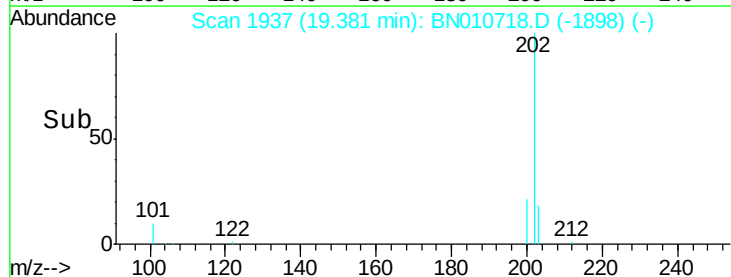
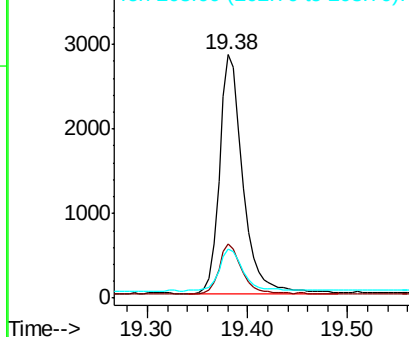


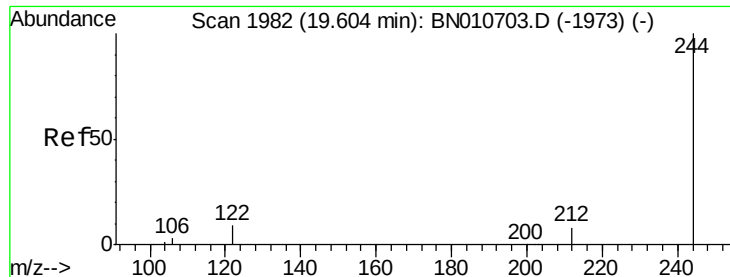
#28
Pyrene
Concen: 0.070 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BN010718.D
Acq: 14 May 2020 18:45

Tgt Ion:202 Resp: 4586
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.4
203 18.3 14.1 21.1



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: 0.256 ng

RT: 19.60 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

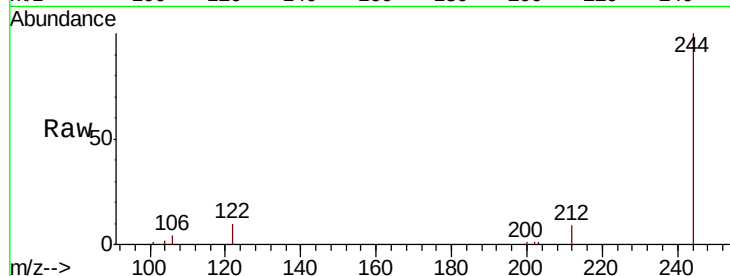
Tot Ion:244 Resp: 11114

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

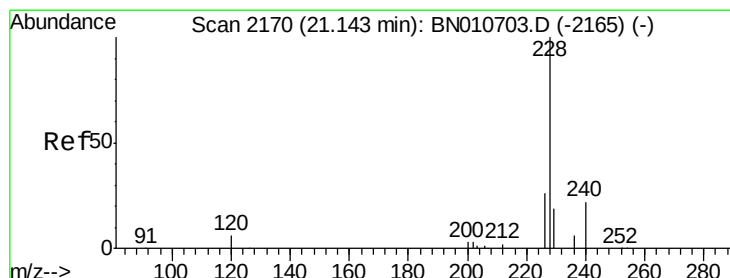
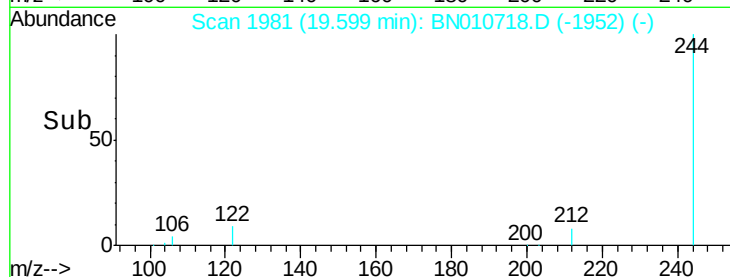
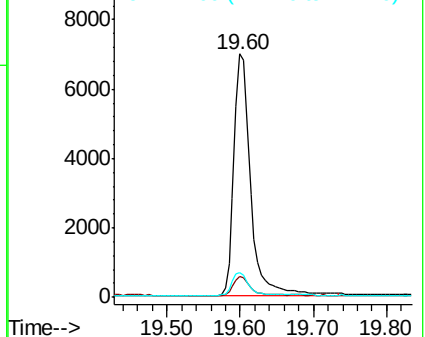
122 10.2 8.1 12.1



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: 0.068 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

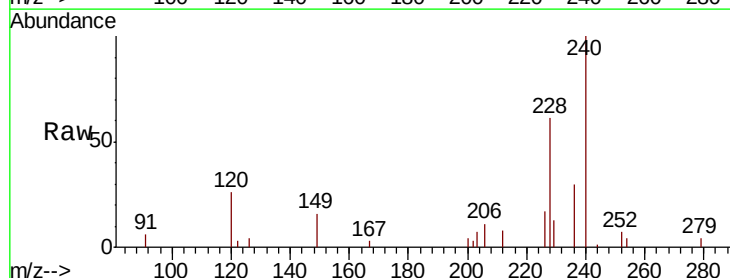
Tgt Ion:228 Resp: 3604

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

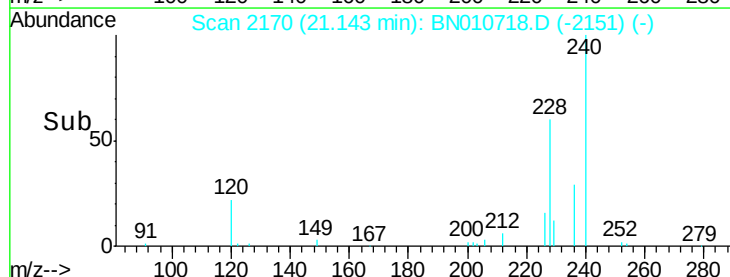
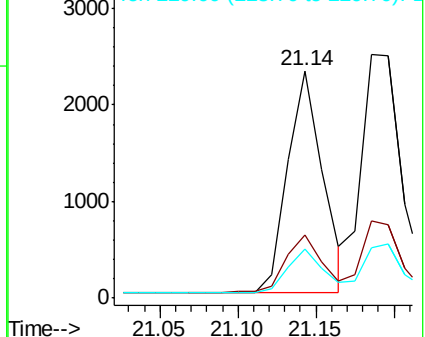
229 21.7 16.0 24.0

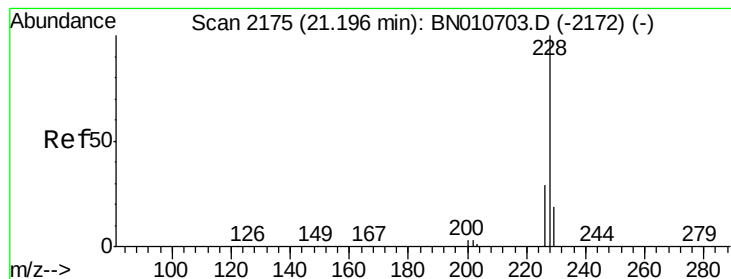


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.074 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

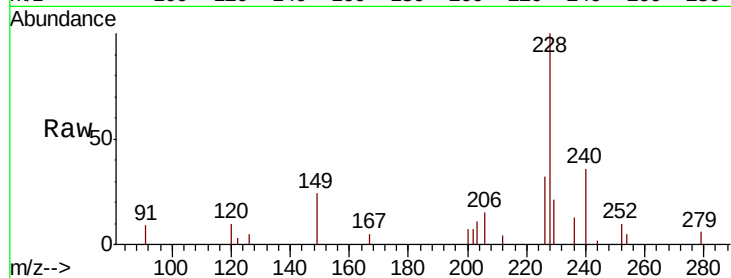
Tot Ion:228 Resp: 4435

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

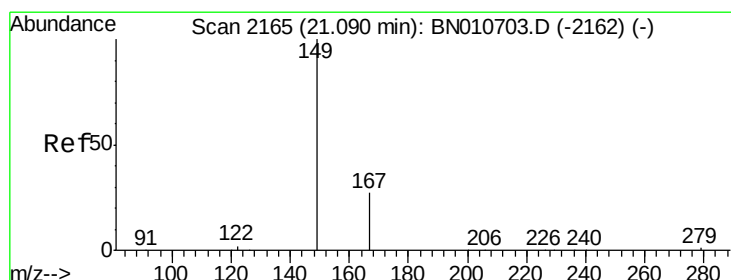
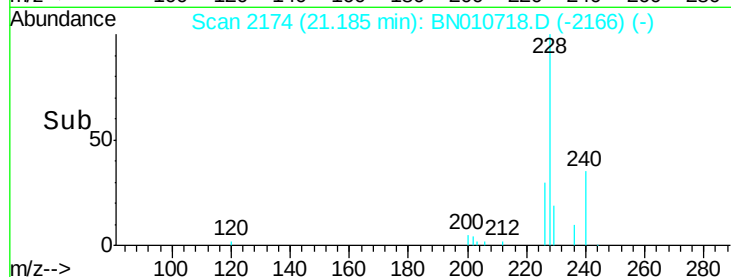
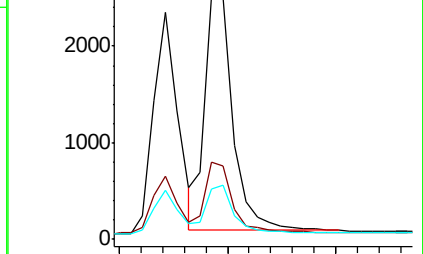
229 20.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

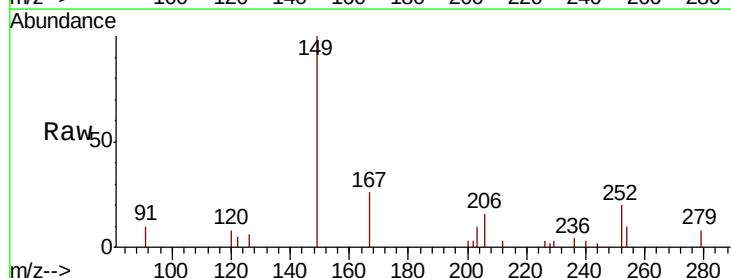
Tgt Ion:149 Resp: 2029

Ion Ratio Lower Upper

149 100

167 28.9 22.5 33.7

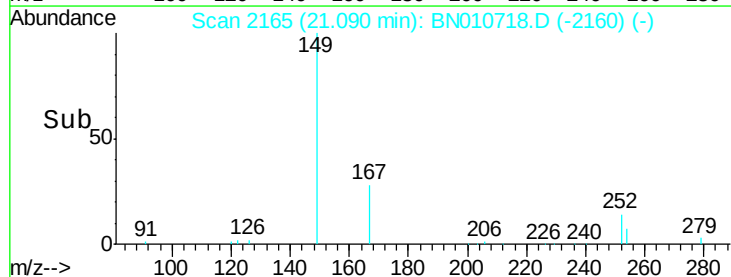
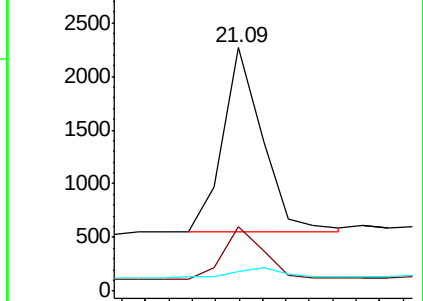
279 6.6 4.1 6.1#

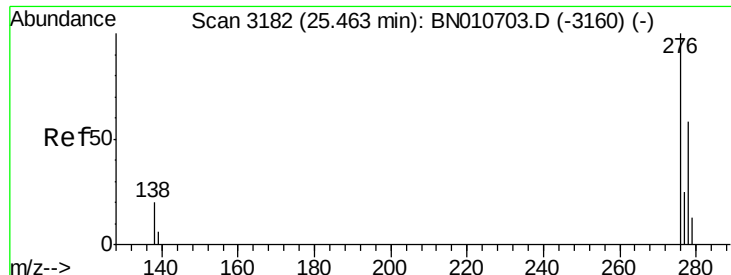


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.072 ng

RT: 25.47 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

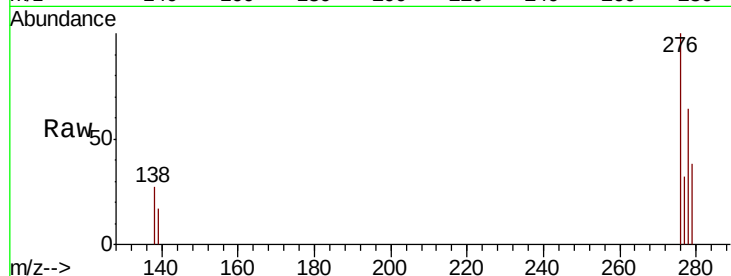
Tot Ion:276 Resp: 3877

Ion Ratio Lower Upper

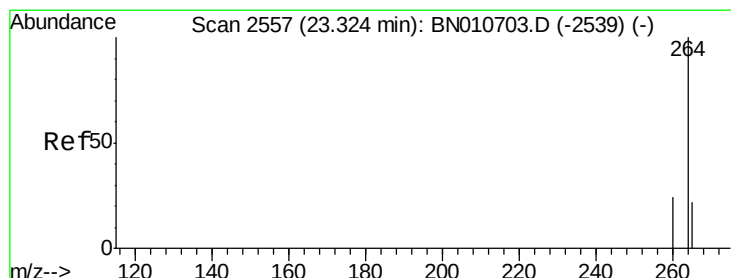
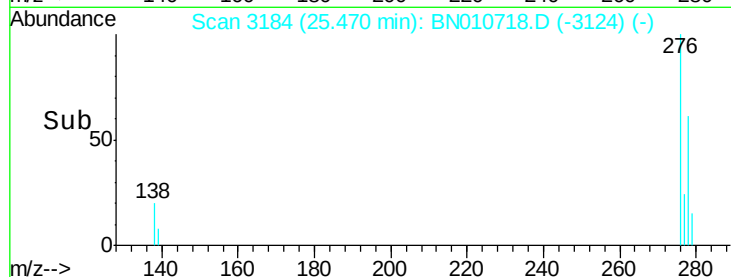
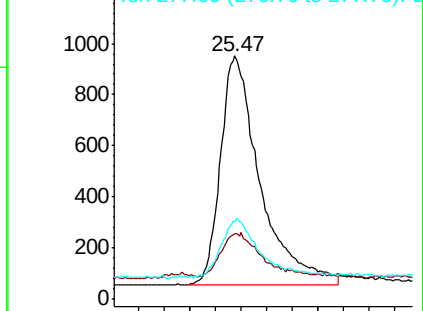
276 100

138 18.4 15.1 22.7

277 23.2 19.4 29.0



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: 23.32 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

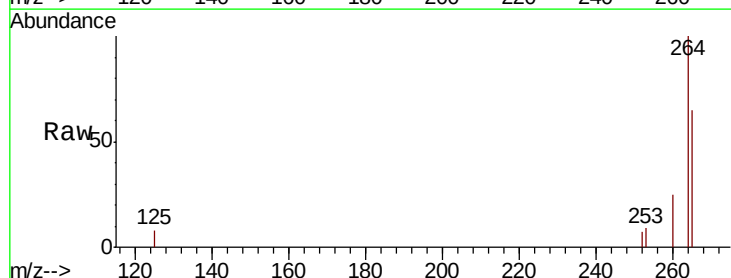
Tgt Ion:264 Resp: 17112

Ion Ratio Lower Upper

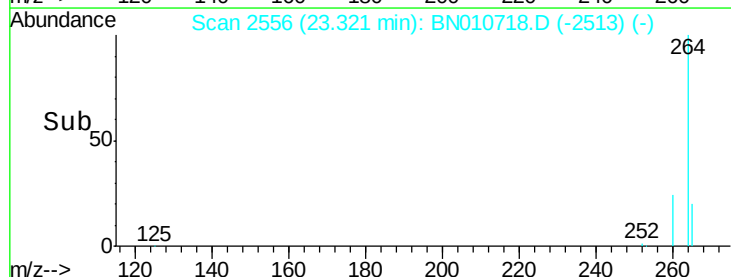
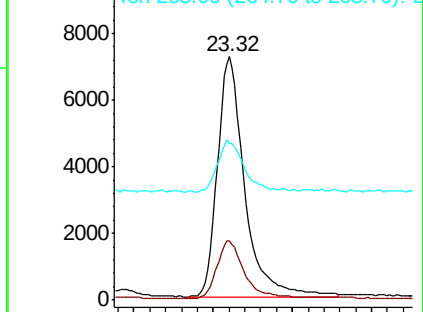
264 100

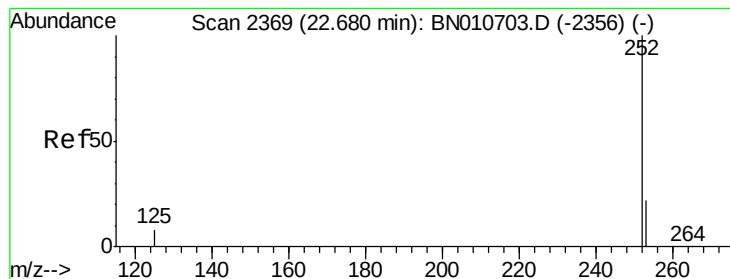
260 24.5 19.6 29.4

265 64.5 70.1 105.1#



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: 0.067 ng

RT: 22.68 min Scan# 2369

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

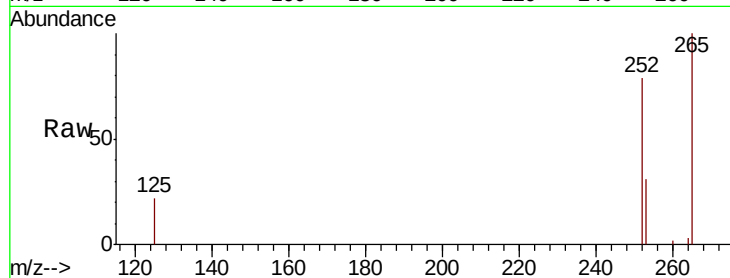
Tot Ion:252 Resp: 3774

Ion Ratio Lower Upper

252 100

253 40.0 22.0 33.0#

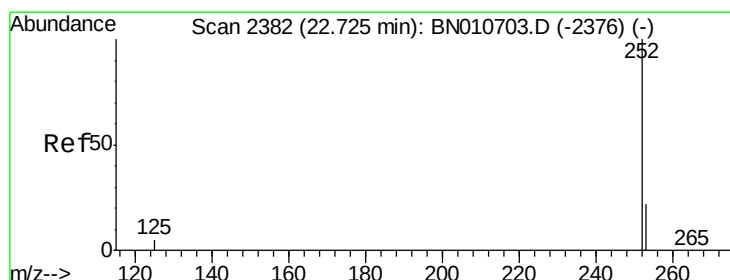
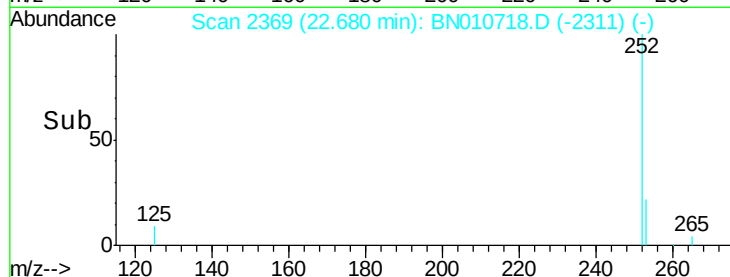
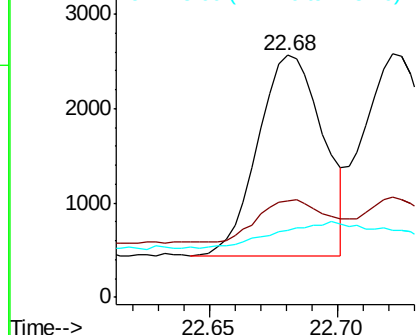
125 27.7 10.8 16.2#



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: 0.075 ng m

RT: 22.72 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

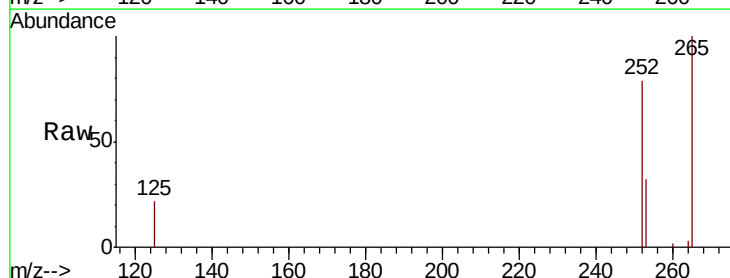
Tgt Ion:252 Resp: 4600

Ion Ratio Lower Upper

252 100

253 40.9 21.9 32.9#

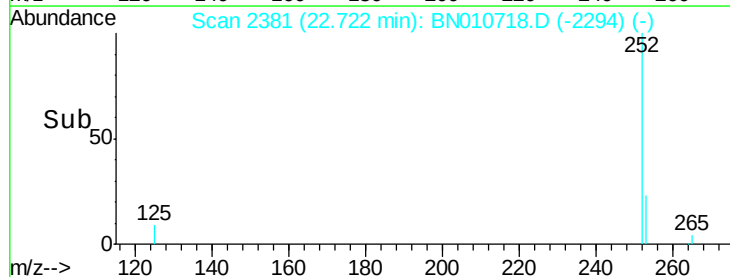
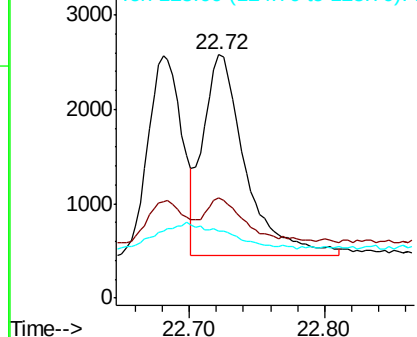
125 27.6 11.1 16.7#

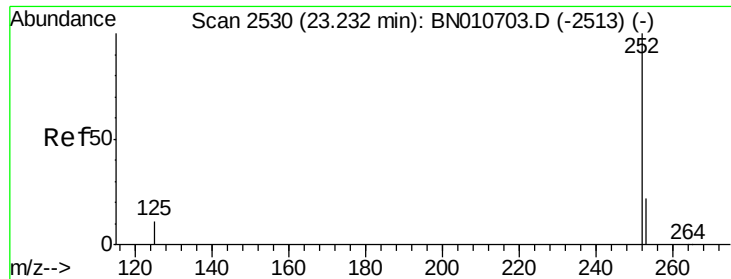


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.065 ng

RT: 23.23 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020

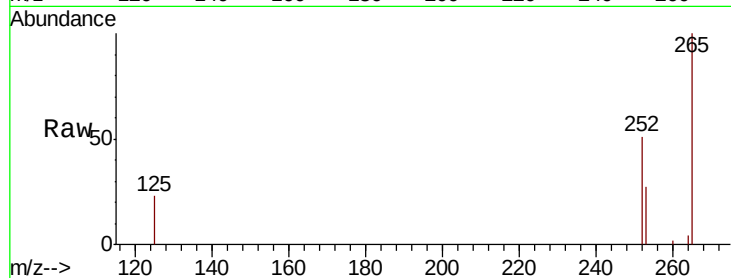
Tot Ion:252 Resp: 3193

Ion Ratio Lower Upper

252 100

253 53.0 24.8 37.2#

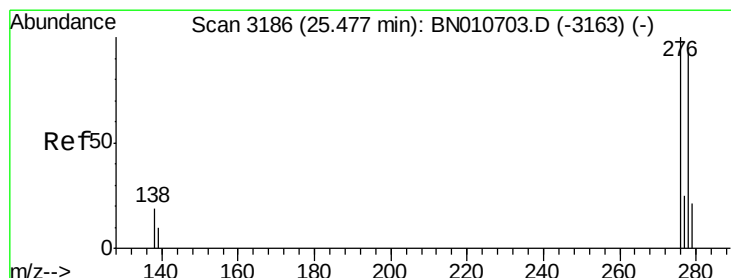
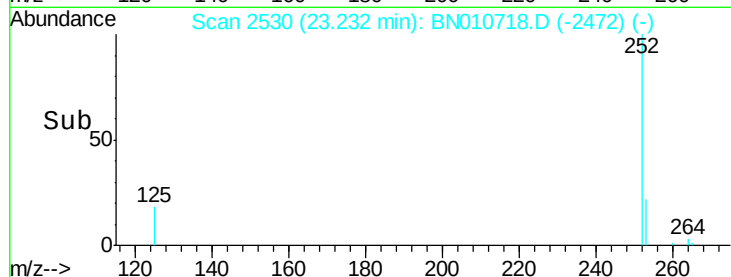
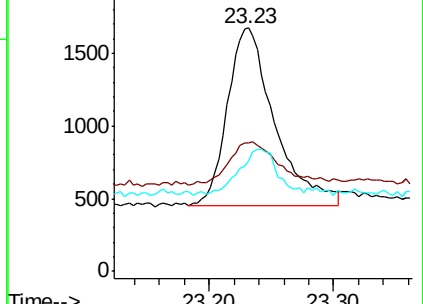
125 45.2 15.8 23.6#



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: 0.074 ng

RT: 25.48 min Scan# 3188

Delta R.T. 0.01 min

Lab File: BN010718.D

Acq: 14 May 2020 18:45

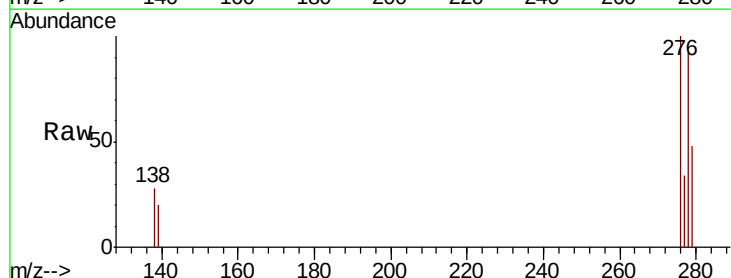
Tgt Ion:278 Resp: 3097

Ion Ratio Lower Upper

278 100

139 22.1 13.0 19.4#

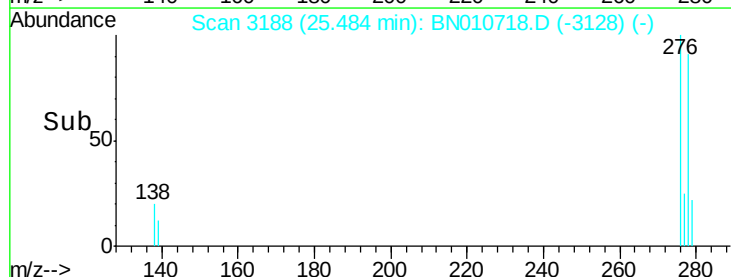
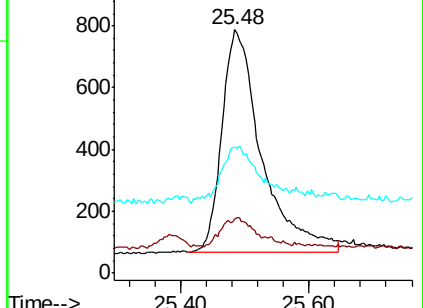
279 51.6 25.1 37.7#

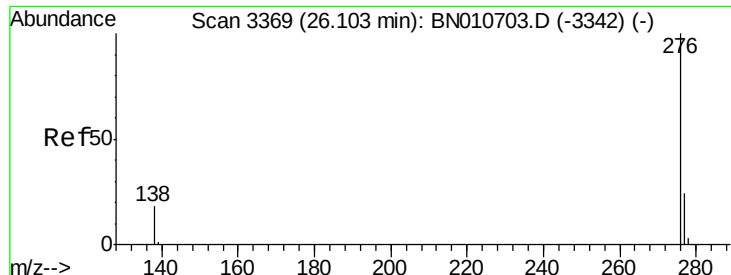


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.075 ng

RT: 26.11 min Scan# 3371

Delta R.T. 0.01 min

Lab File: BN010718.D

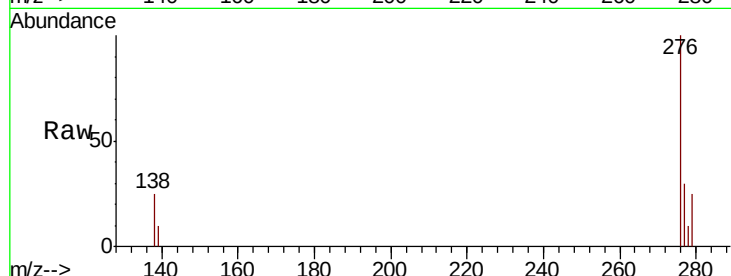
Acq: 14 May 2020 18:45

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2020



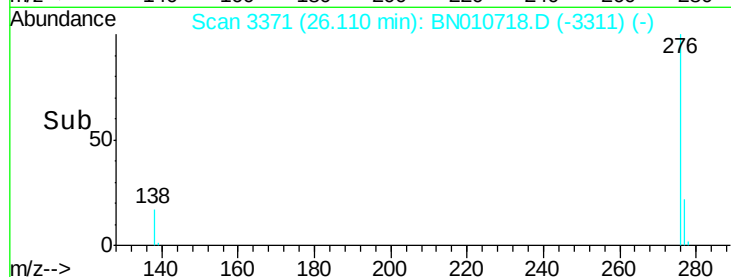
Tot Ion:276 Resp: 3696

Ion Ratio Lower Upper

276 100

277 30.4 20.6 30.8

138 24.6 16.0 24.0#



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

