

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
 Data File : BN010717.D
 Acq On : 14 May 2020 18:09
 Operator : CG/JU
 Sample : L2182-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: May 14 18:48:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:56:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	4322	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	16410	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	10083	0.40	ng	0.01
19) Phenanthrene-d10	16.95	188	21146	0.40	ng	0.00
27) Chrysene-d12	21.15	240	18133	0.40	ng	0.00
34) Perylene-d12	23.32	264	16954	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	2176	0.26	ng	0.00
5) Phenol-d6	6.78	99	2526	0.24	ng	0.00
8) Nitrobenzene-d5	8.72	82	2999	0.26	ng	0.01
11) 2-Methylnaphthalene-d10	11.93	152	6586	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	855	0.23	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	9249	0.25	ng	0.01
25) Fluoranthene-d10	18.99	212	14375	0.25	ng	0.00
29) Terphenyl-d14	19.60	244	11620	0.27	ng	0.00

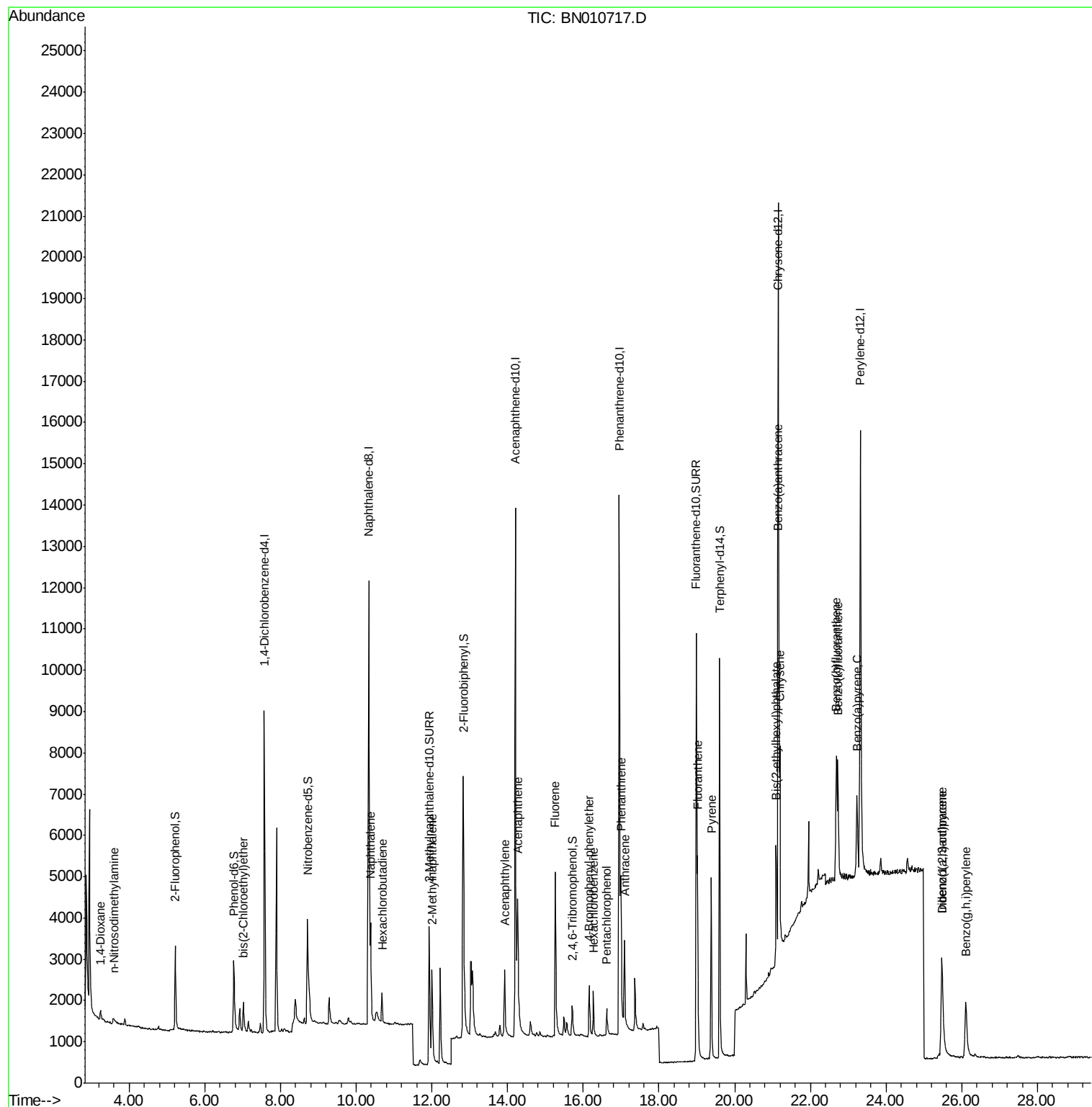
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.24	88	240	0.064	ng	# 80
3) n-Nitrosodimethylamine	3.60	42	125	0.058	ng	# 88
6) bis(2-Chloroethyl)ether	7.03	93	772	0.072	ng	93
9) Naphthalene	10.38	128	3139	0.076	ng	# 95
10) Hexachlorobutadiene	10.68	225	677	0.072	ng	# 99
12) 2-Methylnaphthalene	12.01	142	2128	0.073	ng	97
16) Acenaphthylene	13.92	152	2760	0.067	ng	98
17) Acenaphthene	14.27	154	1931	0.069	ng	98
18) Fluorene	15.26	166	2539	0.070	ng	99
20) 4-Bromophenyl-phenylether	16.16	248	745	0.064	ng	96
21) Hexachlorobenzene	16.27	284	996	0.072	ng	99
22) Pentachlorophenol	16.62	266	516	0.120	ng	94
23) Phenanthrene	17.00	178	4043	0.071	ng	98
24) Anthracene	17.09	178	3259	0.068	ng	98
26) Fluoranthene	19.02	202	4756	0.074	ng	98
28) Pyrene	19.38	202	4643	0.071	ng	98
30) Benzo(a)anthracene	21.14	228	3776	0.071	ng	97
31) Chrysene	21.20	228	4661	0.078	ng	97
32) Bis(2-ethylhexyl)phthalate	21.09	149	2243	0.097	ng	98
33) Indeno(1,2,3-cd)pyrene	25.47	276	4047	0.076	ng	99
35) Benzo(b)fluoranthene	22.68	252	3859	0.069	ng	# 74
36) Benzo(k)fluoranthene	22.72	252	4585	0.076	ng	# 72
37) Benzo(a)pyrene	23.23	252	3404	0.070	ng	# 57
38) Dibenzo(a,h)anthracene	25.49	278	3254	0.079	ng	# 78
39) Benzo(g,h,i)perylene	26.11	276	3865	0.080	ng	# 90

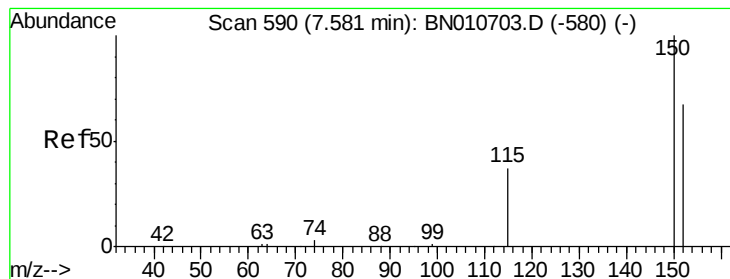
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.58 min Scan# 590

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

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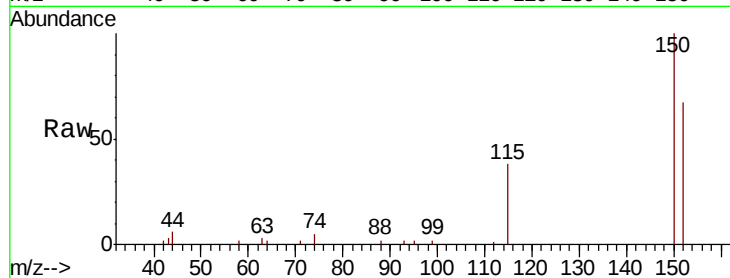
Tot Ion:152 Resp: 4322

Ion Ratio Lower Upper

152 100

150 150.1 119.4 179.0

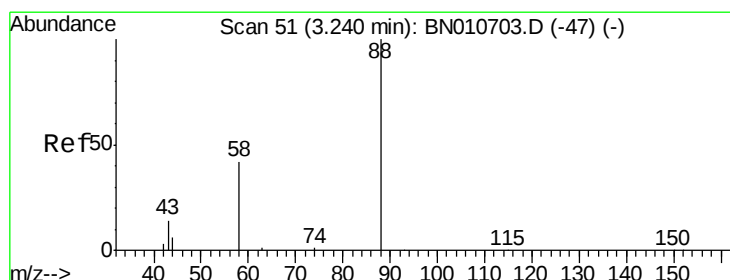
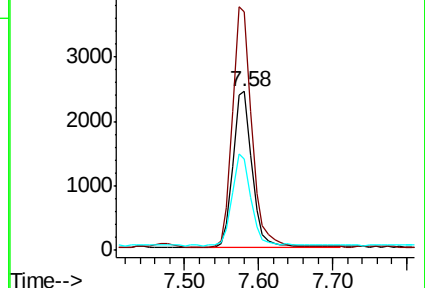
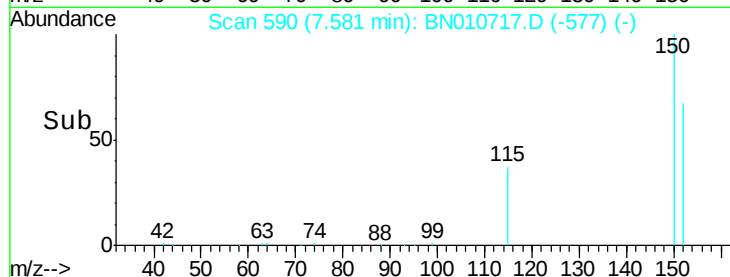
115 57.5 45.9 68.9



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: 0.064 ng

RT: 3.24 min Scan# 51

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

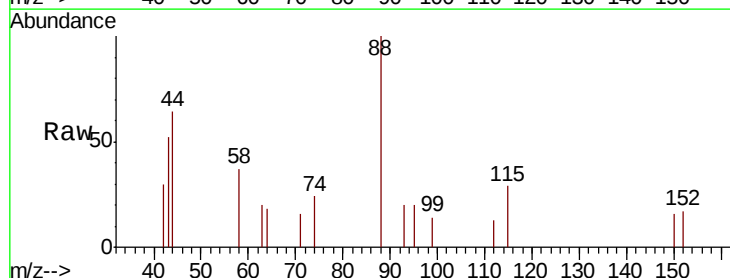
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

58 59.2 39.0 58.6#

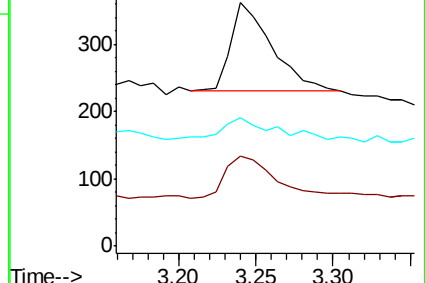
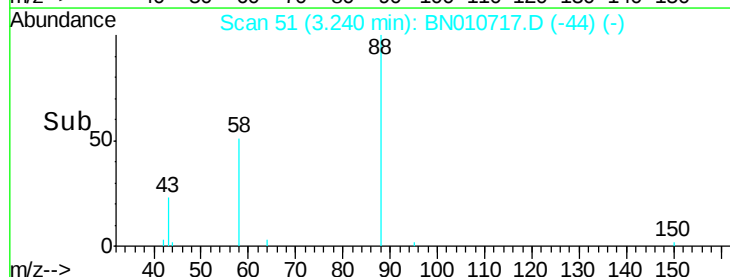
43 31.7 13.1 19.7#

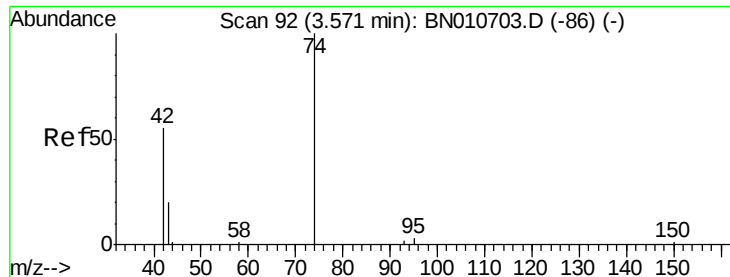


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.058 ng

RT: 3.60 min Scan# 96

Delta R.T. 0.04 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

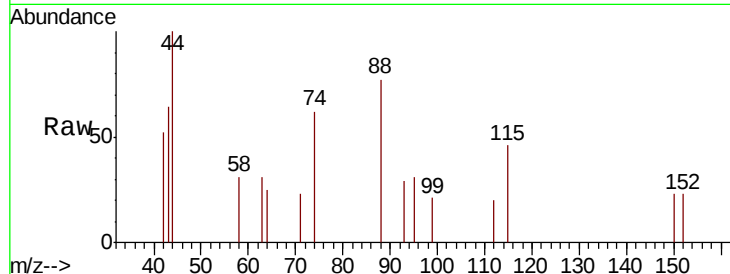
Tot Ion: 42 Resp: 125

Ion Ratio Lower Upper

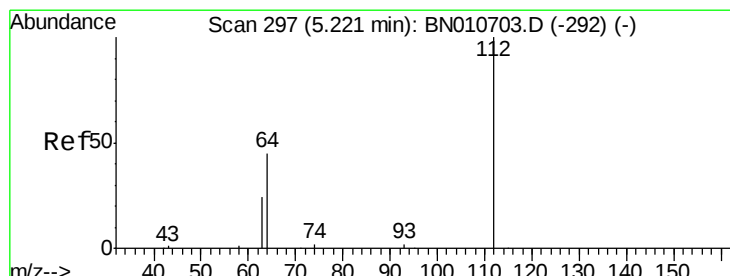
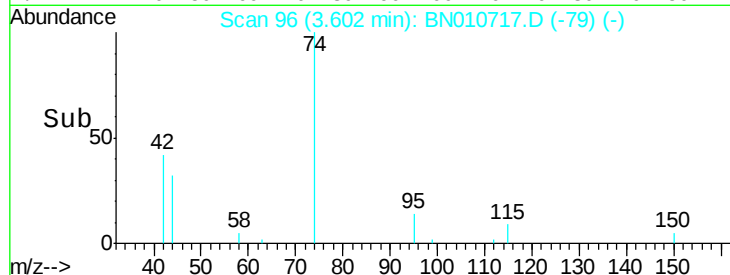
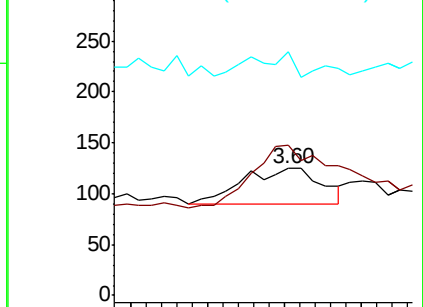
42 100

74 197.6 146.2 219.2

44 34.4 3.0 4.4#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.257 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

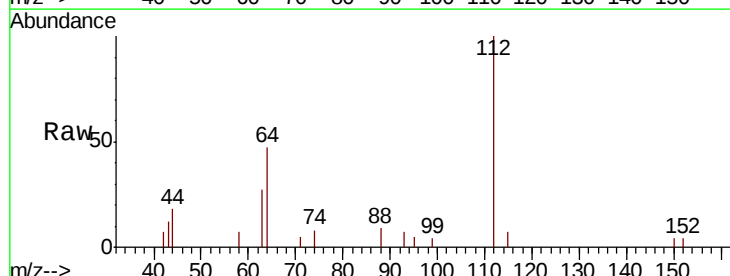
Tgt Ion: 112 Resp: 2176

Ion Ratio Lower Upper

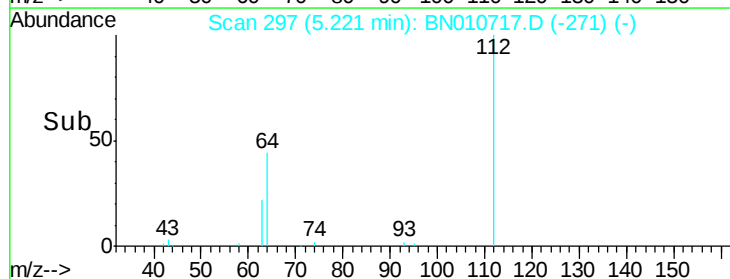
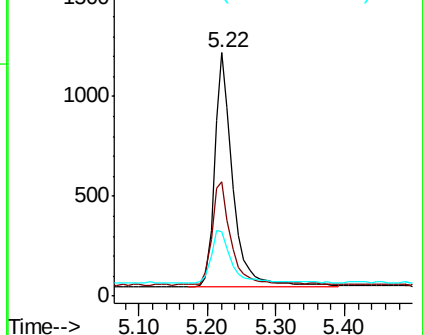
112 100

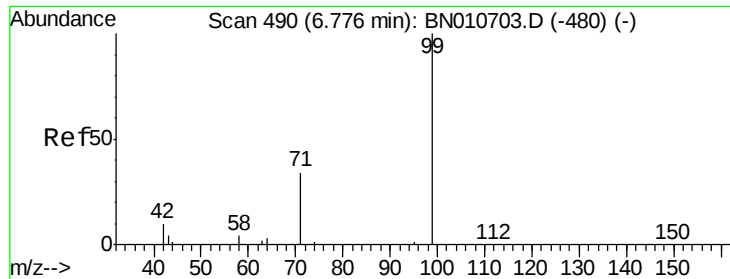
64 48.0 36.2 54.4

63 24.9 19.8 29.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.244 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

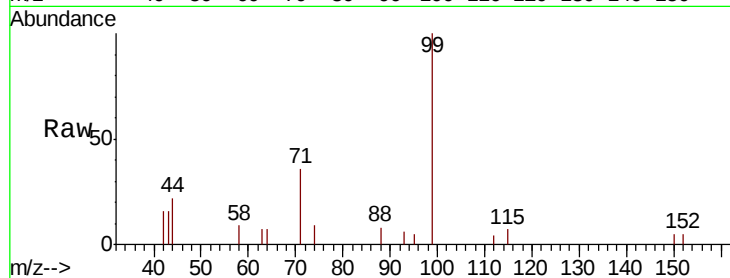
Tot Ion: 99 Resp: 2526

Ion Ratio Lower Upper

99 100

42 11.0 9.8 14.8

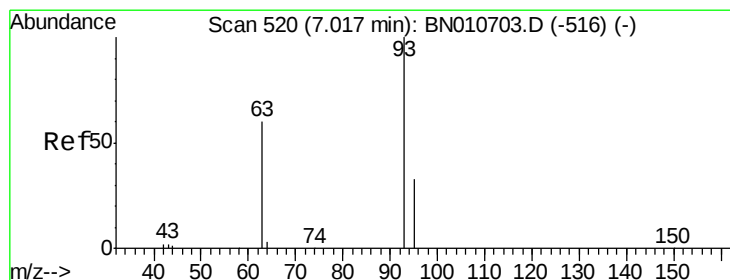
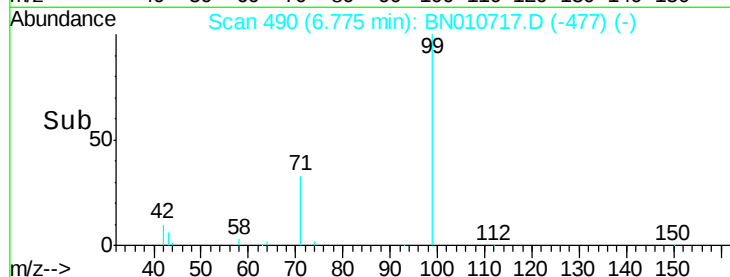
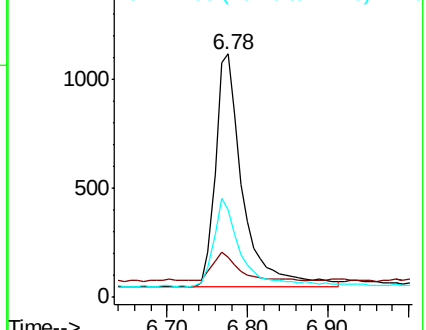
71 37.0 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010717.D (-477) (-)

Ion 42.00 (41.70 to 42.70): BN010717.D (-477) (-)

Ion 71.00 (70.70 to 71.70): BN010717.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.072 ng

RT: 7.03 min Scan# 521

Delta R.T. 0.02 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

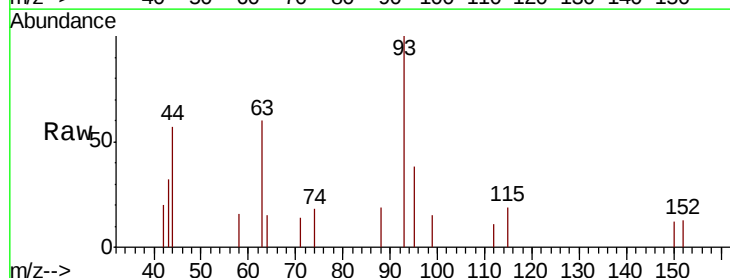
Tgt Ion: 93 Resp: 772

Ion Ratio Lower Upper

93 100

63 58.7 43.1 64.7

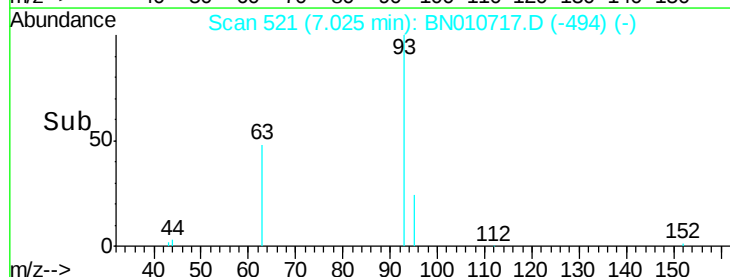
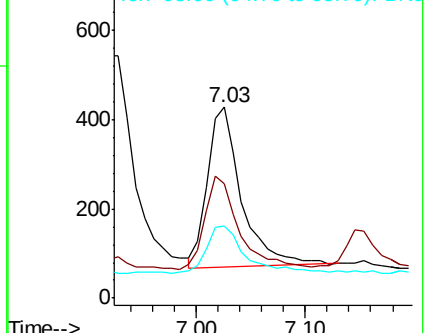
95 35.1 24.6 37.0

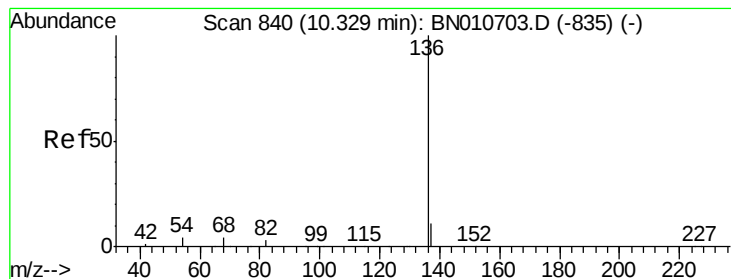


Abundance Ion 93.00 (92.70 to 93.70): BN010717.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN010717.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN010717.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136 Resp: 16410

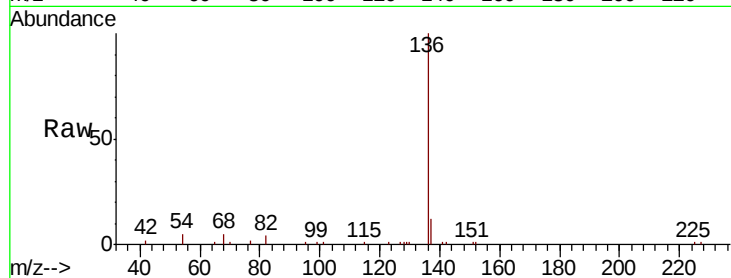
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 4.6 3.6 5.4

68 5.4 4.1 6.1

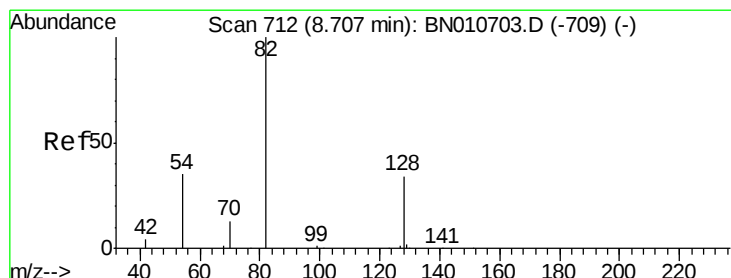
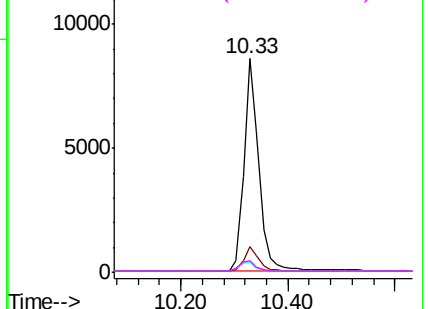
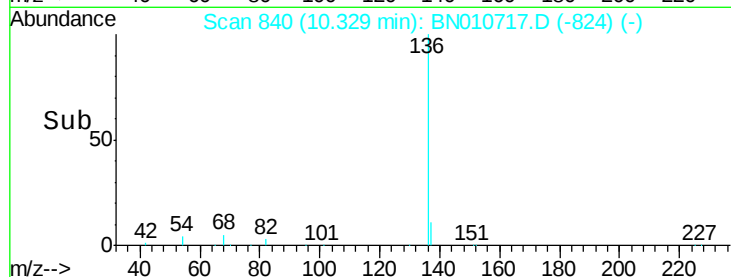


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.263 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

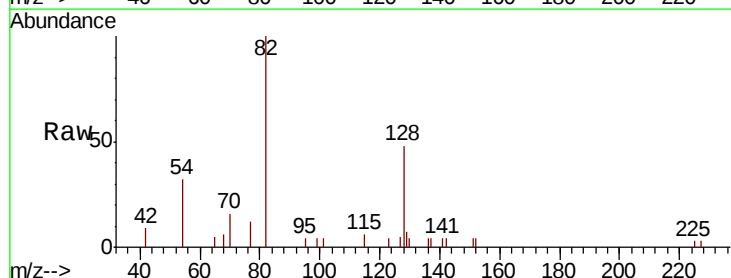
Tgt Ion: 82 Resp: 2999

Ion Ratio Lower Upper

82 100

128 48.3 29.0 43.4#

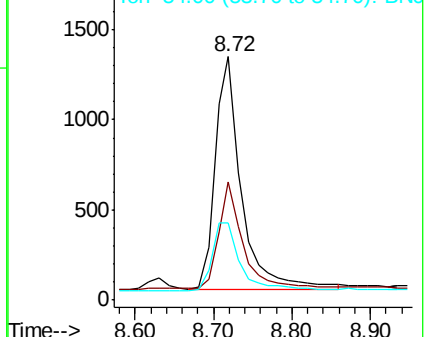
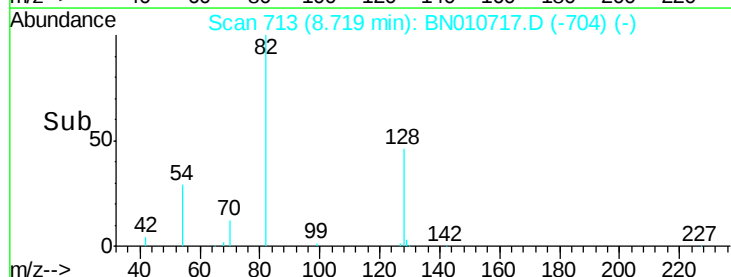
54 31.8 29.3 43.9

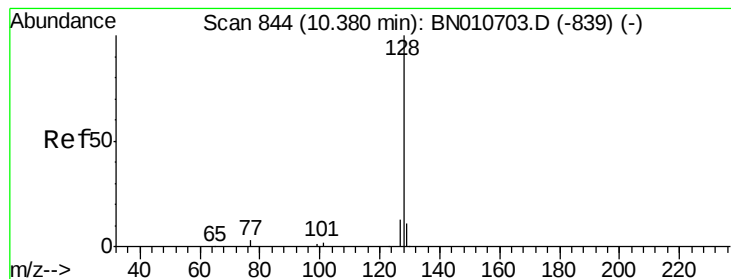


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.076 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

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BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

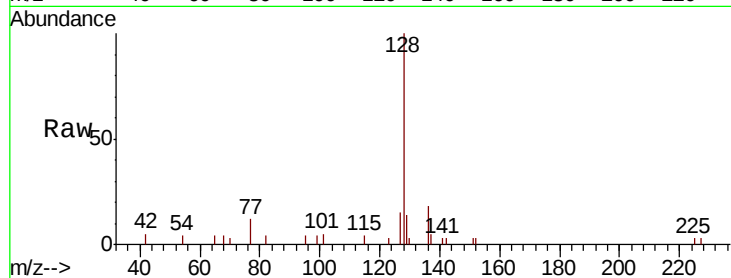
Tot Ion:128 Resp: 3139

Ion Ratio Lower Upper

128 100

129 14.1 9.3 13.9#

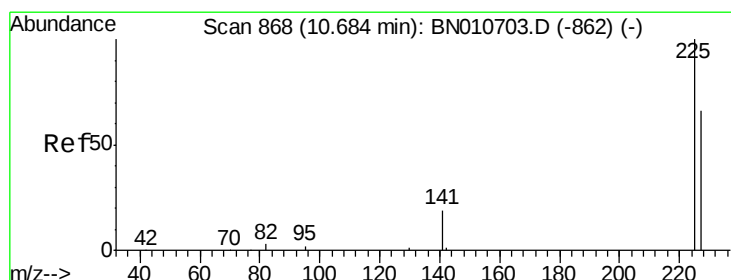
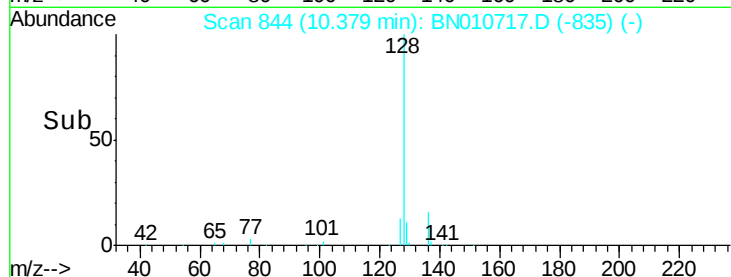
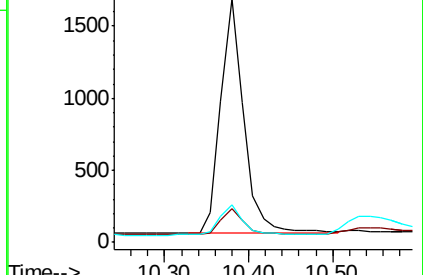
127 15.3 11.0 16.6



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: 0.072 ng

RT: 10.68 min Scan# 868

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

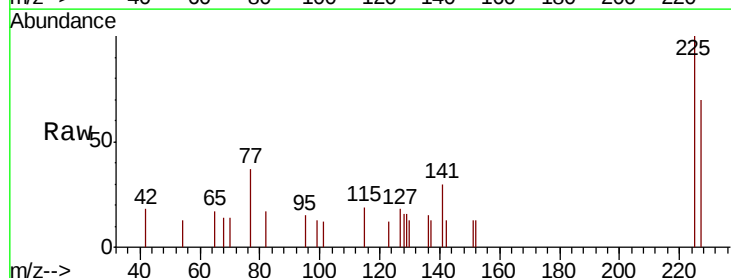
Tgt Ion:225 Resp: 677

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

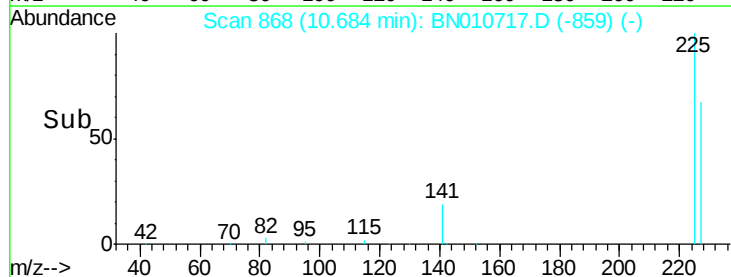
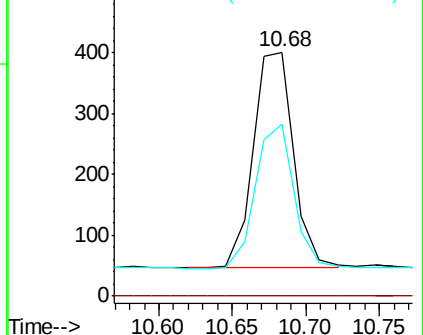
227 64.4 50.7 76.1

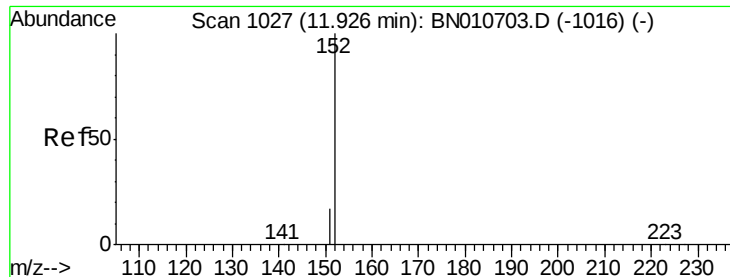


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

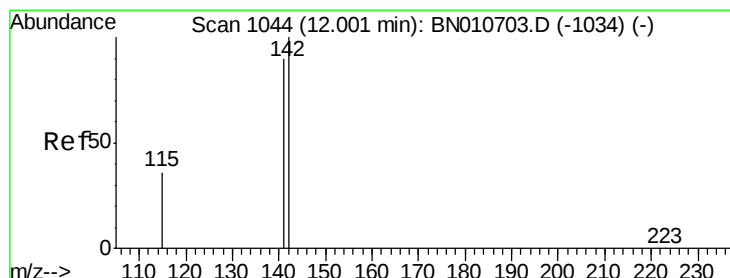
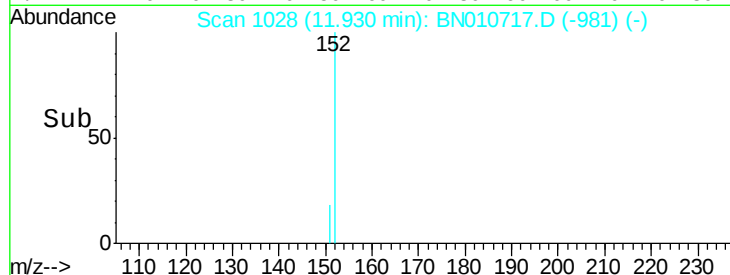
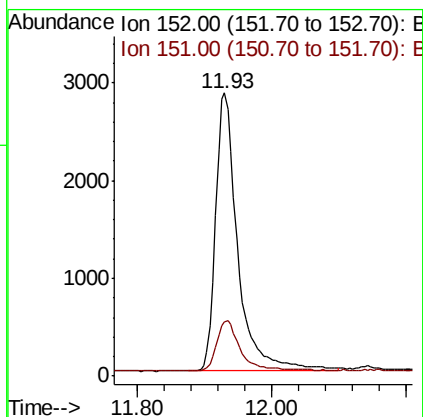
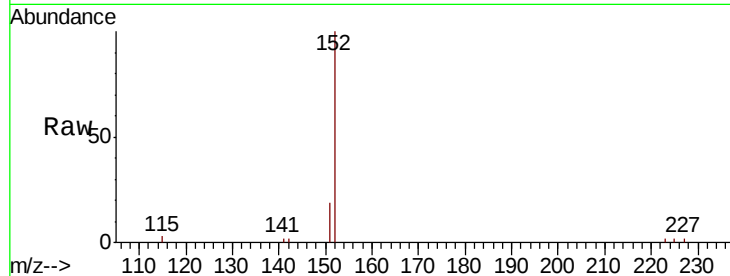




#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

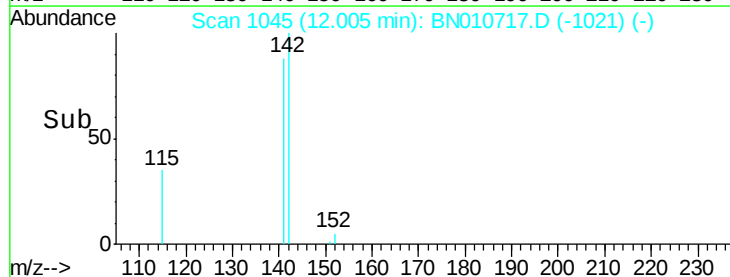
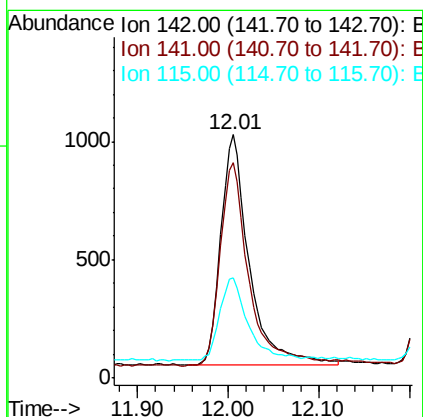
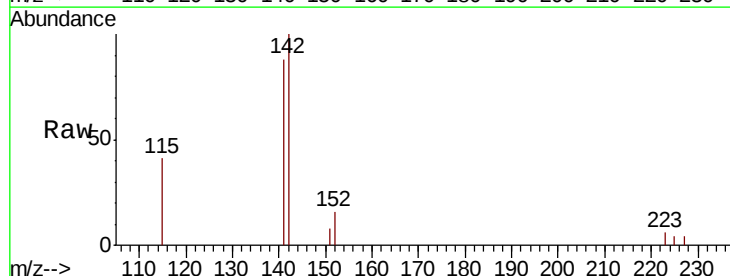
Instrument :
BNA_N
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LOD-MDL-SOIL-01-QT2-2020

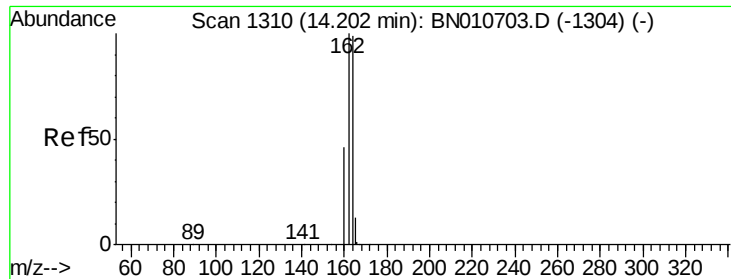
Tot Ion:152 Resp: 6586
Ion Ratio Lower Upper
152 100
151 19.4 15.0 22.6



#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:142 Resp: 2128
Ion Ratio Lower Upper
142 100
141 88.4 71.7 107.5
115 41.0 29.8 44.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

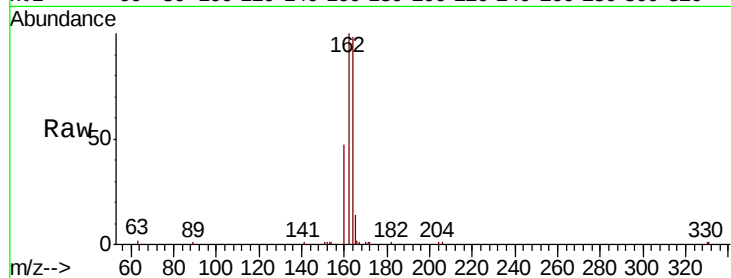
Tot Ion:164 Resp: 10083

Ion Ratio Lower Upper

164 100

162 102.1 81.1 121.7

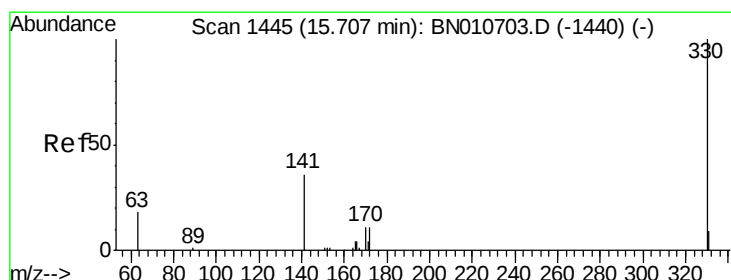
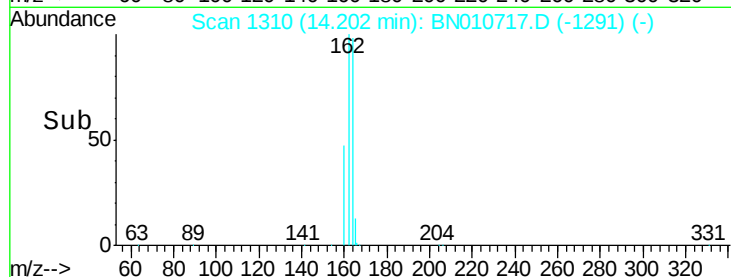
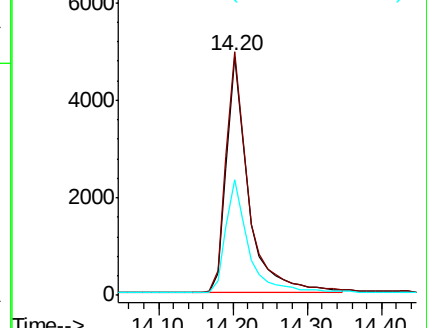
160 48.5 37.9 56.9



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: 0.234 ng

RT: 15.71 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

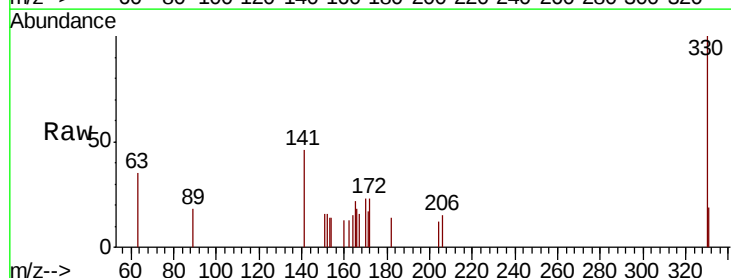
Tgt Ion:330 Resp: 855

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

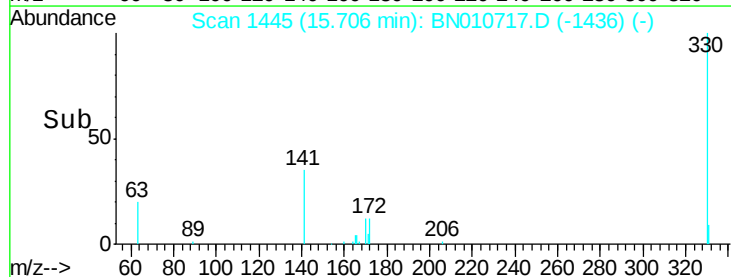
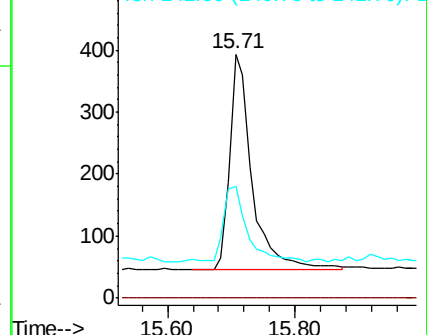
141 35.7 28.8 43.2

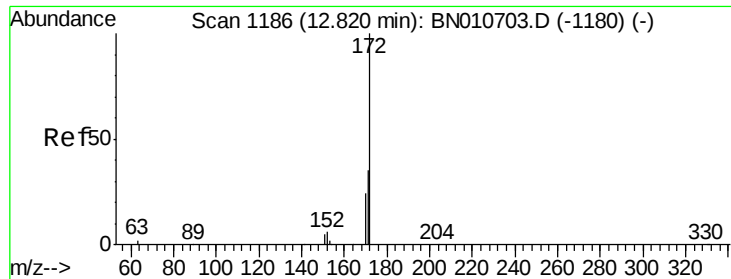


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

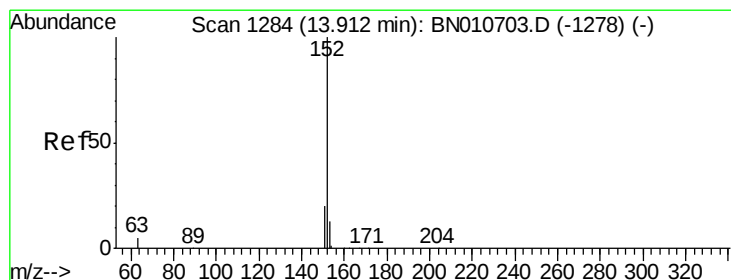
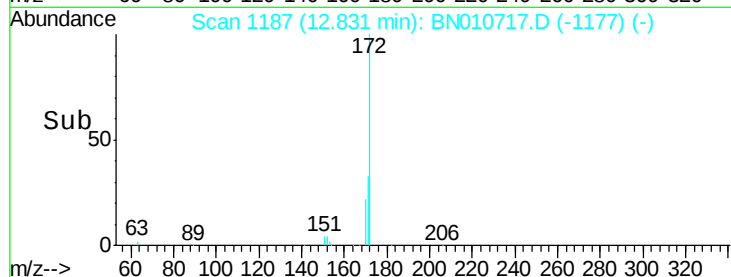
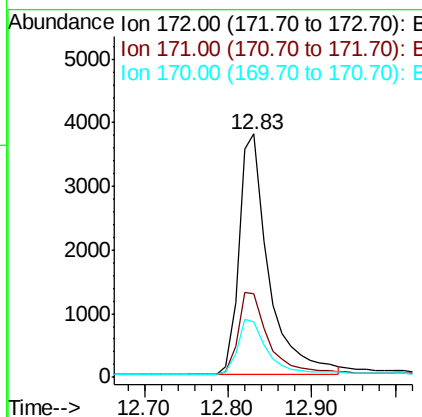
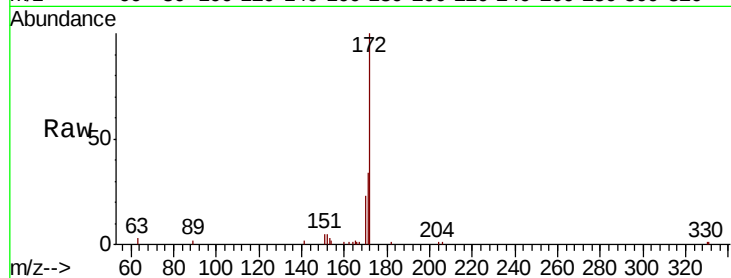




#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

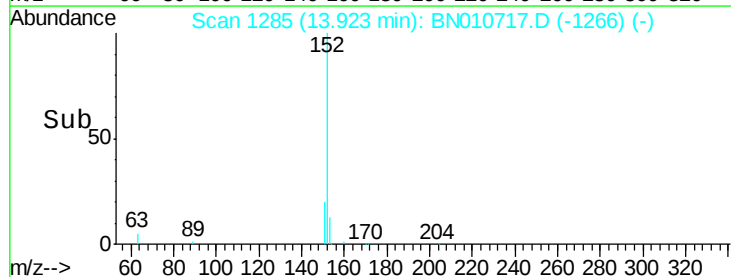
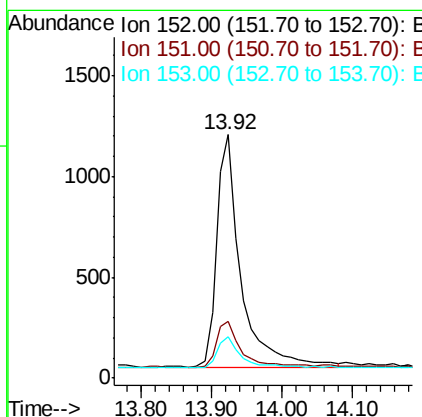
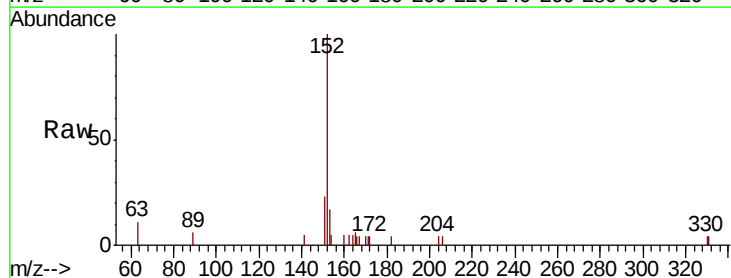
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

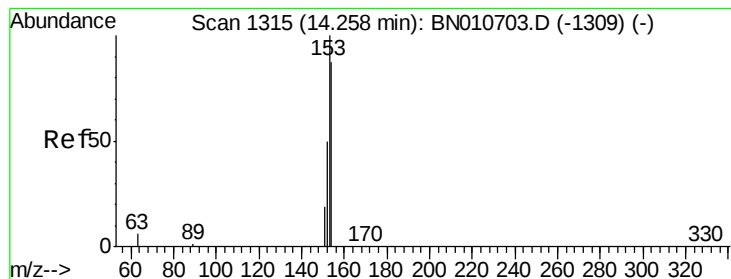
Tot Ion:172 Resp: 9249
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.0 19.8 29.8



#16
Acenaphthylene
Concen: 0.067 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:152 Resp: 2760
Ion Ratio Lower Upper
152 100
151 20.7 15.6 23.4
153 13.5 10.4 15.6





#17

Acenaphthene

Concen: 0.069 ng

RT: 14.27 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

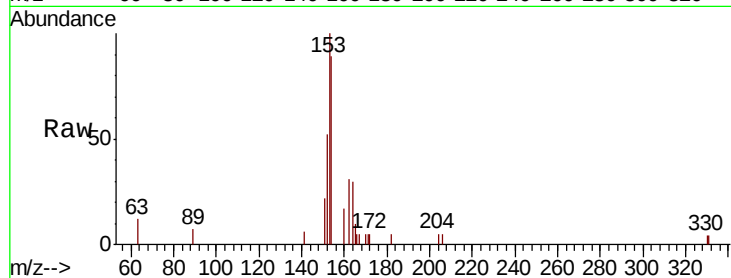
Tot Ion:154 Resp: 1931

Ion Ratio Lower Upper

154 100

153 118.0 91.5 137.3

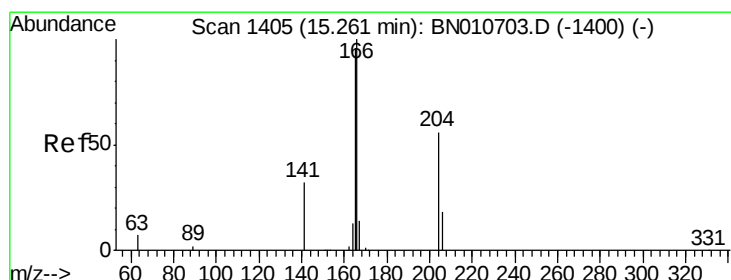
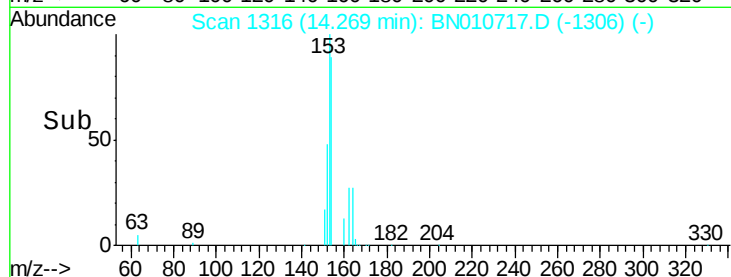
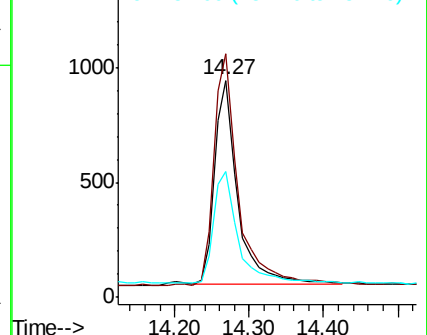
152 57.4 45.6 68.4



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: 0.070 ng

RT: 15.26 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

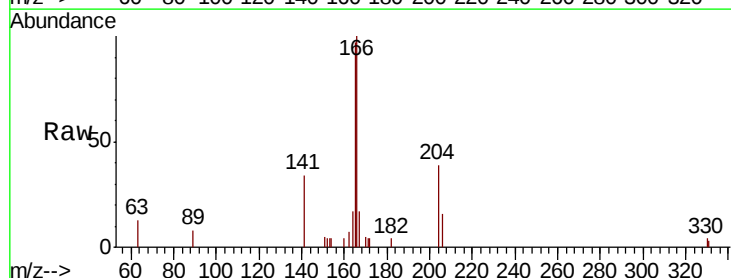
Tgt Ion:166 Resp: 2539

Ion Ratio Lower Upper

166 100

165 97.1 77.9 116.9

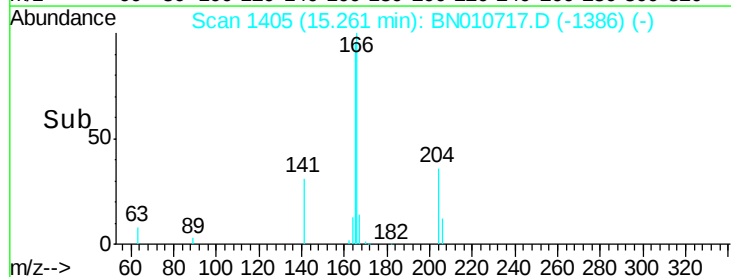
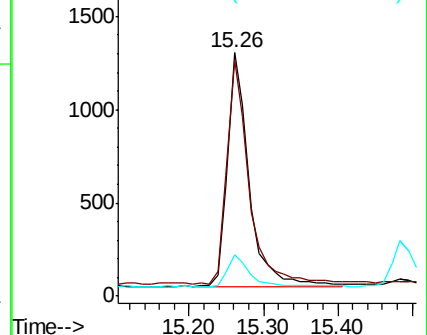
167 14.5 11.0 16.4

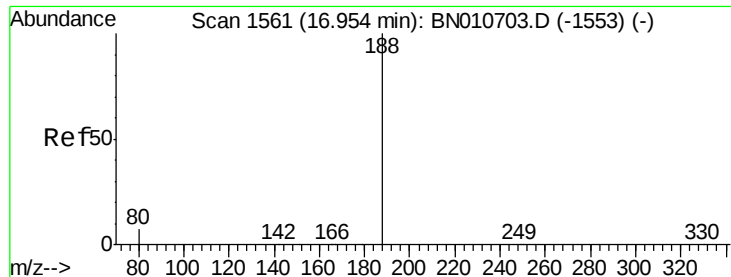


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

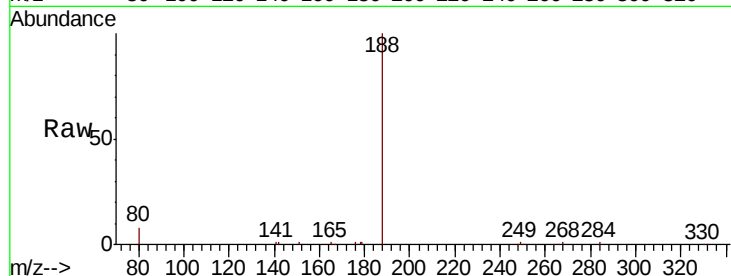
Tot Ion:188 Resp: 21146

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

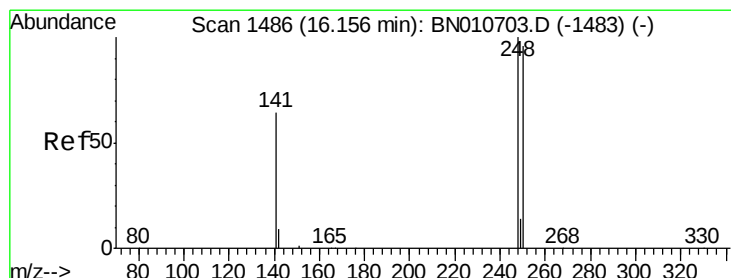
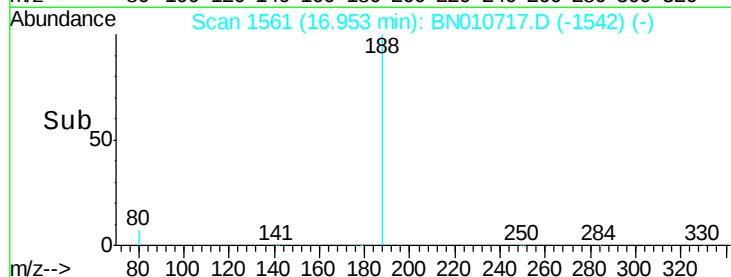
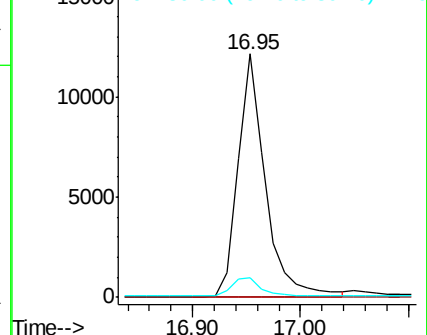
80 7.9 6.3 9.5



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: 0.064 ng

RT: 16.16 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

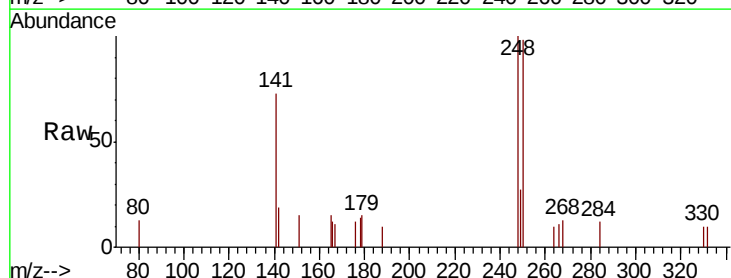
Tgt Ion:248 Resp: 745

Ion Ratio Lower Upper

248 100

250 97.9 77.4 116.0

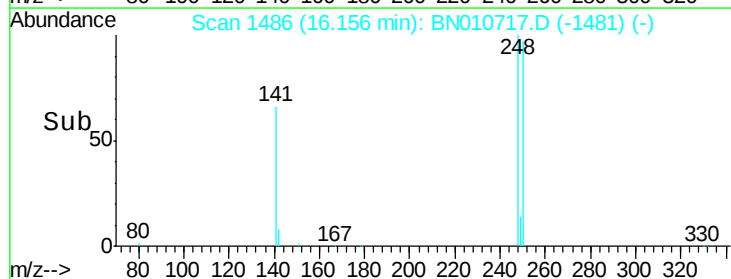
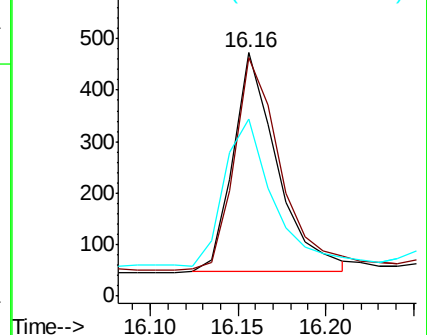
141 72.5 53.1 79.7

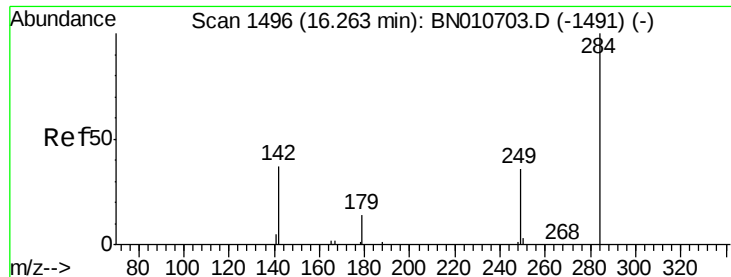


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.072 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

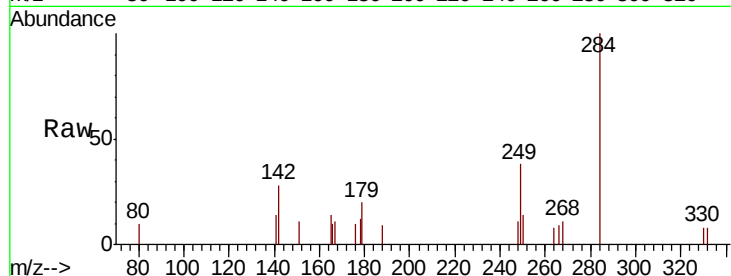
Tot Ion:284 Resp: 996

Ion Ratio Lower Upper

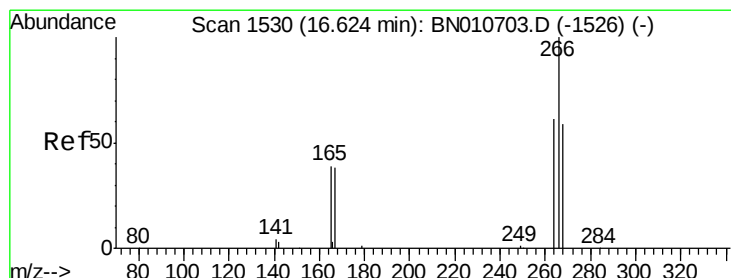
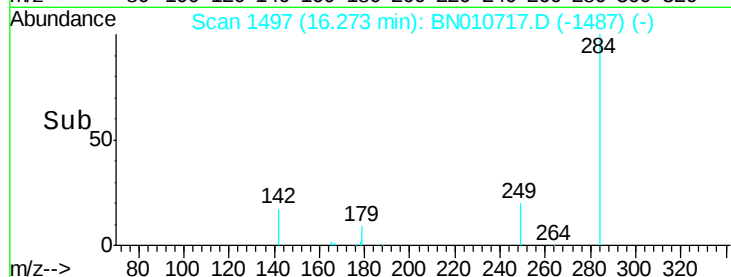
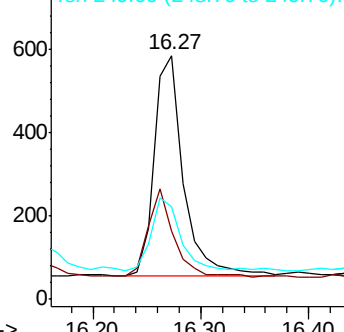
284 100

142 34.9 28.2 42.2

249 34.0 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: 0.120 ng

RT: 16.62 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

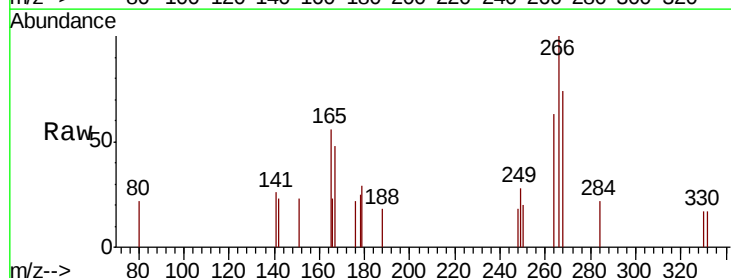
Tgt Ion:266 Resp: 516

Ion Ratio Lower Upper

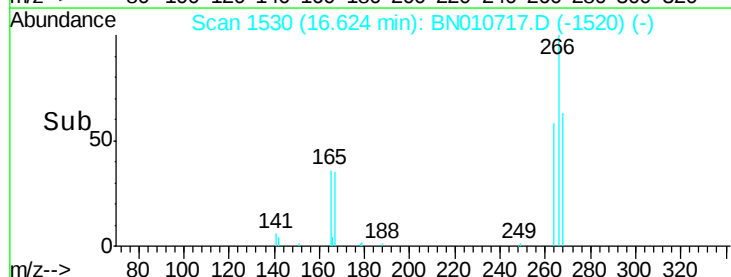
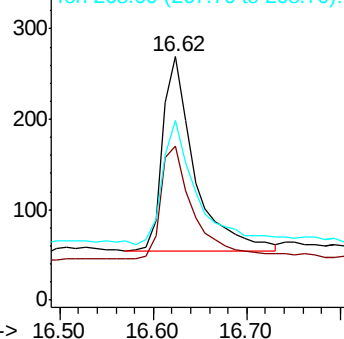
266 100

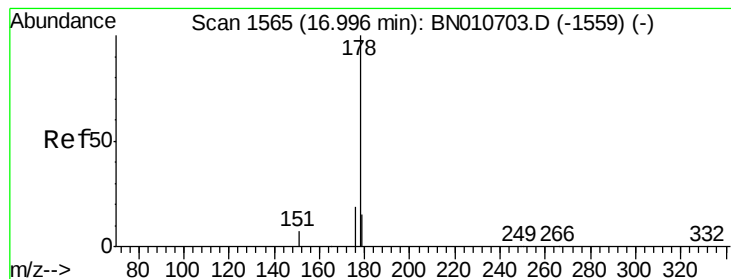
264 63.2 51.1 76.7

268 73.6 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: 0.071 ng

RT: 17.00 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

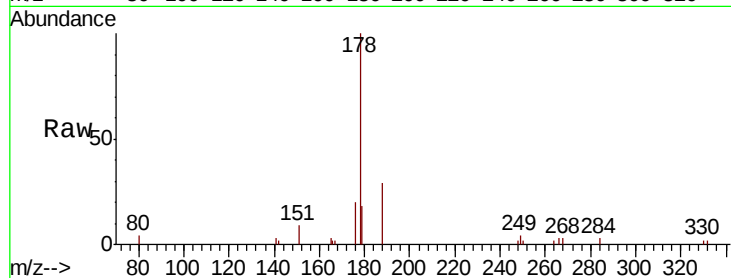
Tot Ion:178 Resp: 4043

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

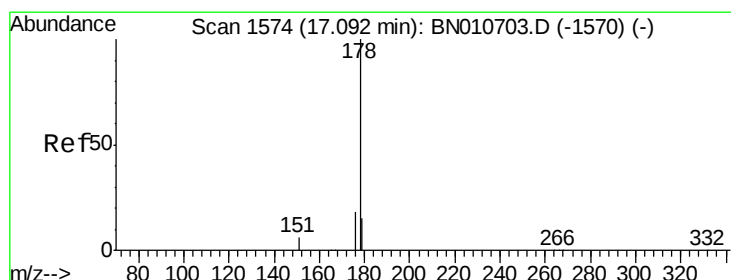
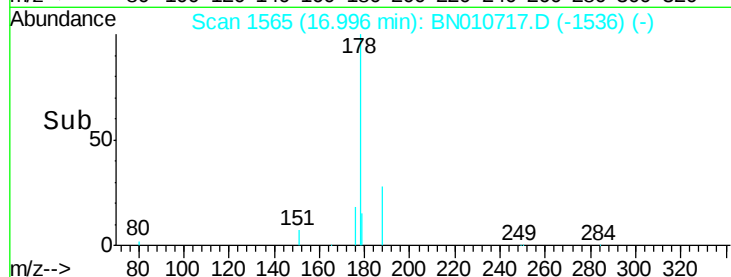
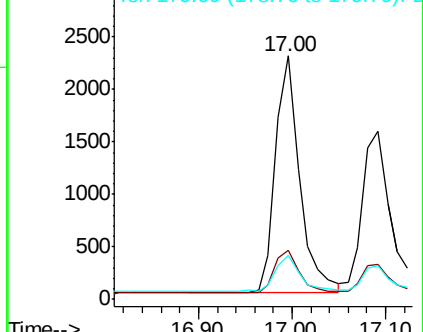
179 16.3 12.2 18.4



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



#24

Anthracene

Concen: 0.068 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

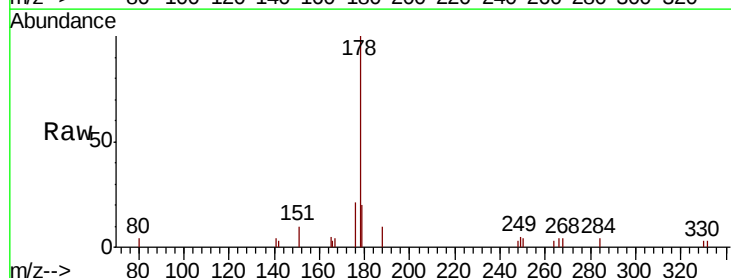
Tgt Ion:178 Resp: 3259

Ion Ratio Lower Upper

178 100

176 16.7 14.7 22.1

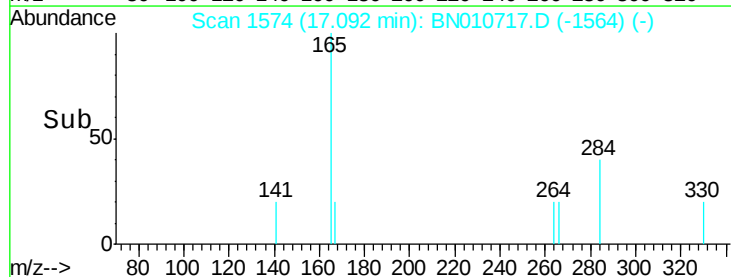
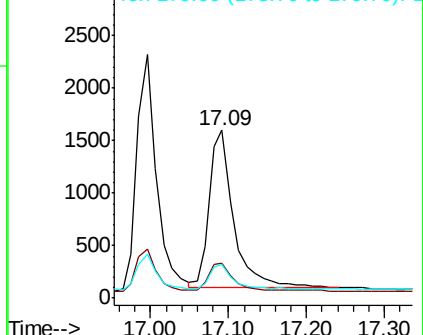
179 15.1 12.3 18.5

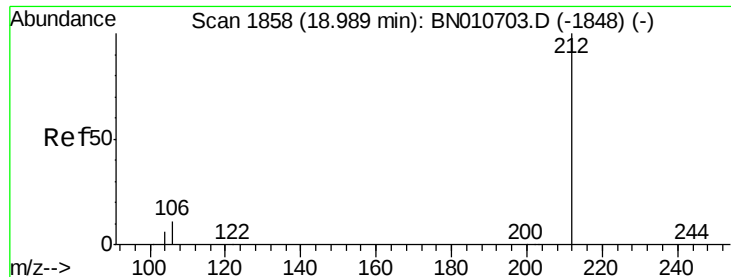


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.251 ng

RT: 18.99 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

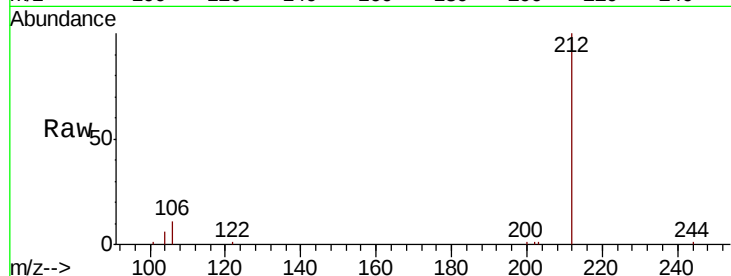
Tot Ion:212 Resp: 14375

Ion Ratio Lower Upper

212 100

106 10.1 8.2 12.2

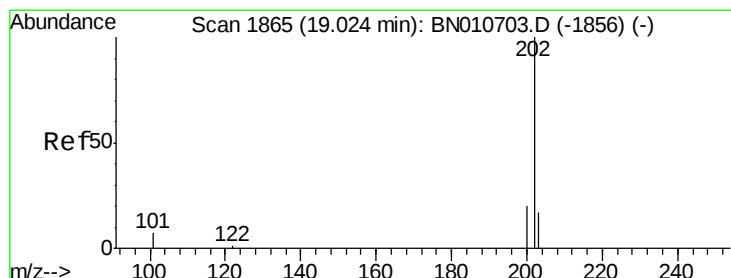
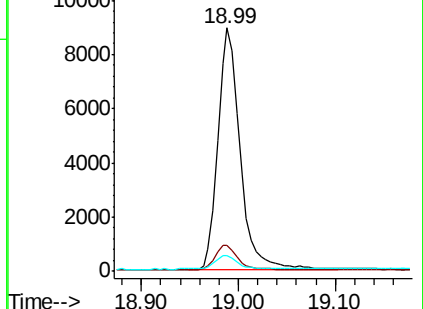
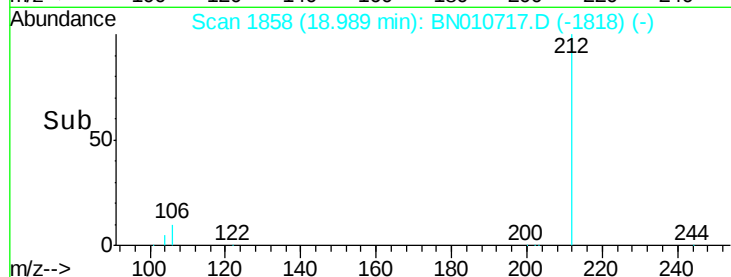
104 5.6 4.7 7.1



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: 0.074 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

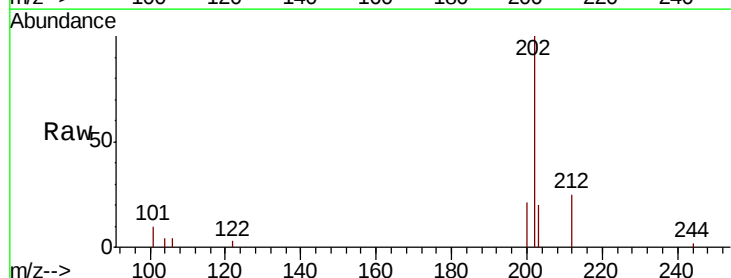
Tgt Ion:202 Resp: 4756

Ion Ratio Lower Upper

202 100

101 8.8 6.7 10.1

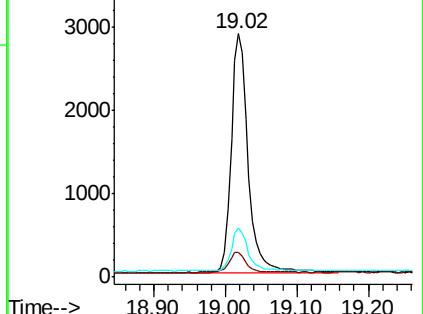
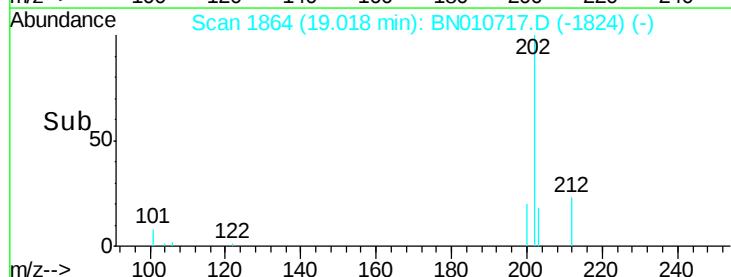
203 17.5 13.4 20.0

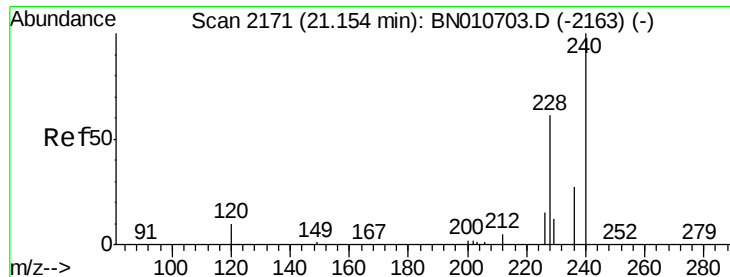


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

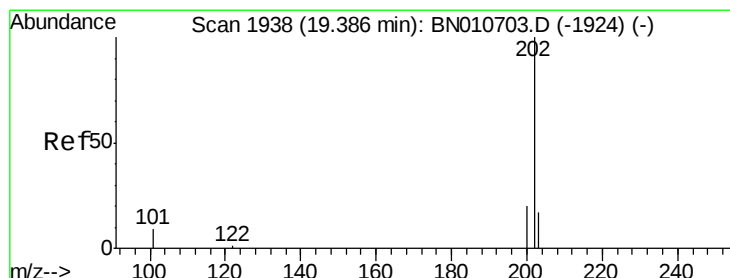
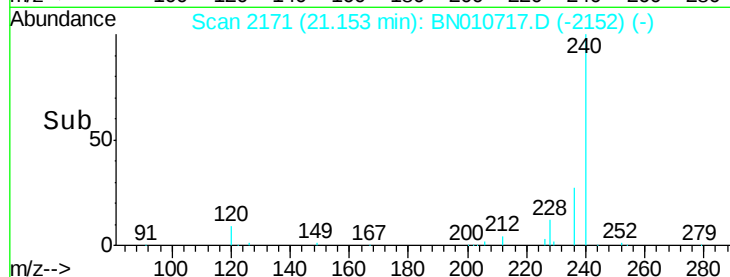
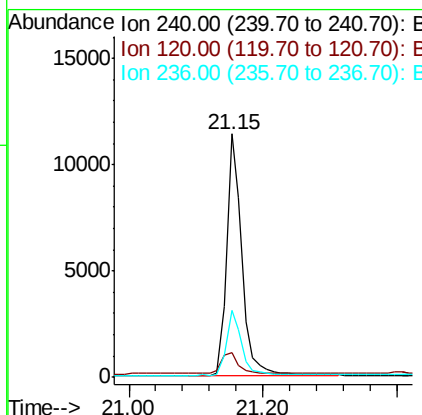
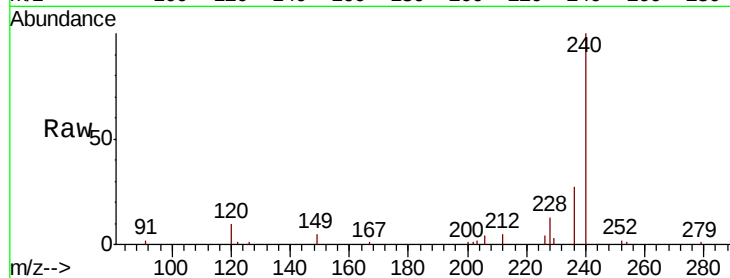




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

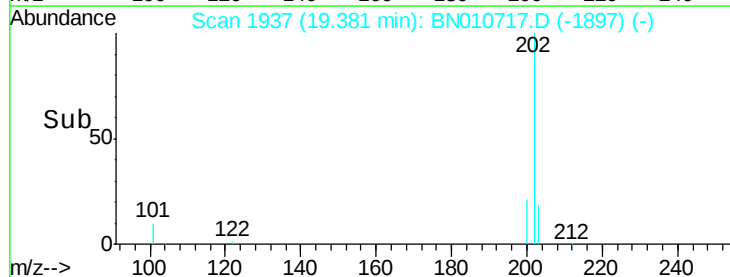
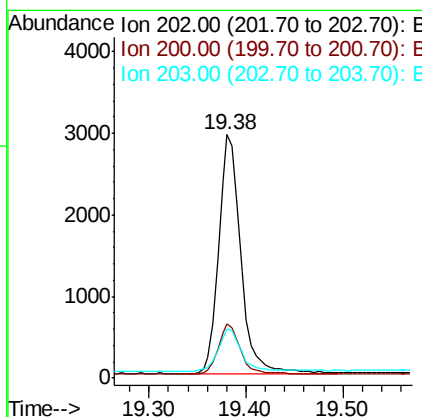
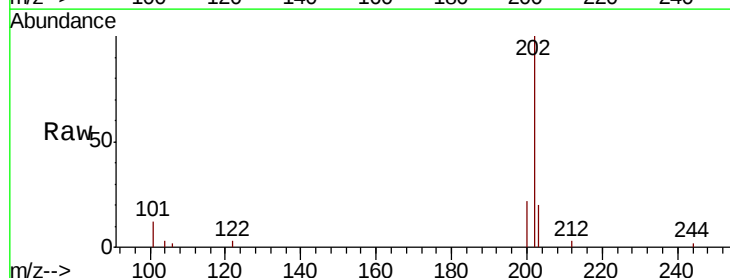
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

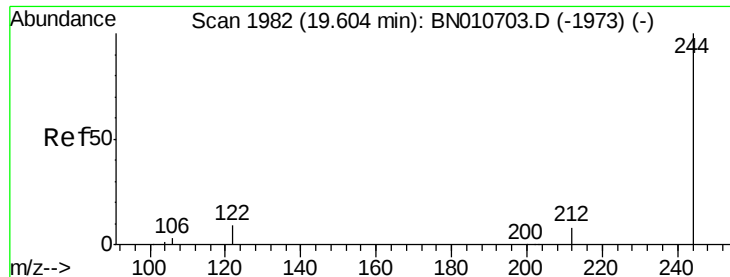
Tot Ion:240 Resp: 18133
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 27.5 22.5 33.7



#28
Pyrene
Concen: 0.071 ng
RT: 19.38 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:202 Resp: 4643
Ion Ratio Lower Upper
202 100
200 21.0 16.2 24.4
203 19.0 14.1 21.1





#29

Terphenyl-d14

Concen: 0.270 ng

RT: 19.60 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

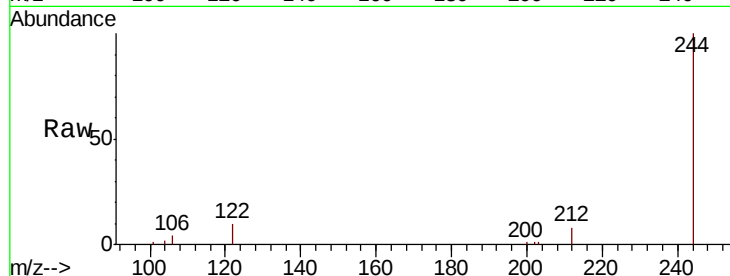
Tot Ion:244 Resp: 11620

Ion Ratio Lower Upper

244 100

212 8.4 6.8 10.2

122 10.4 8.1 12.1

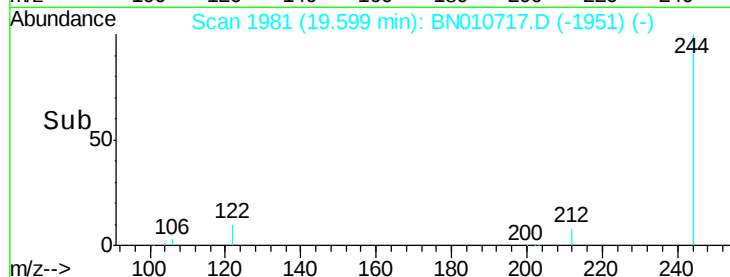


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



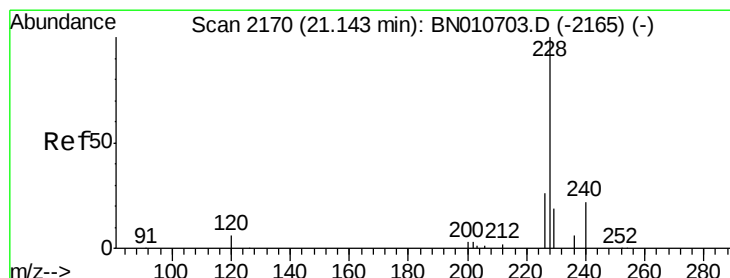
Abundance

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

Time-->



#30

Benzo(a)anthracene

Concen: 0.071 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

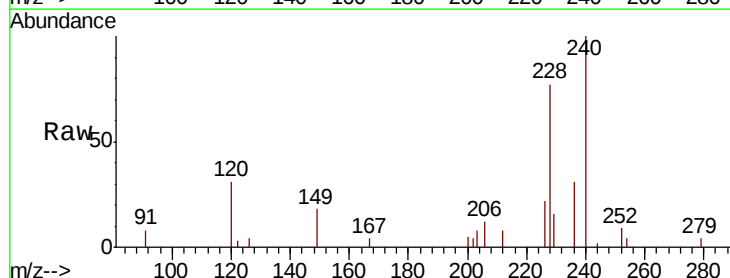
Tgt Ion:228 Resp: 3776

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

229 21.2 16.0 24.0

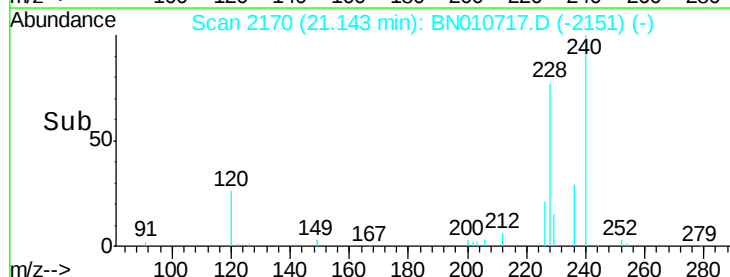


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



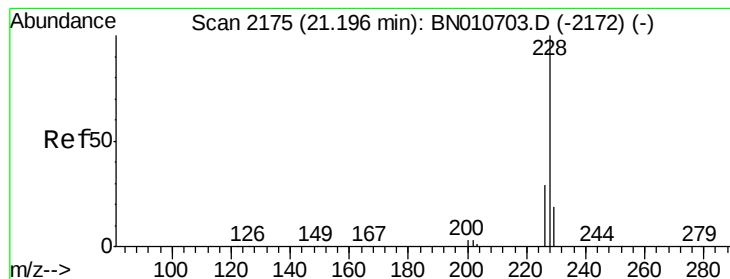
Abundance

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

Time-->



#31

Chrysene

Concen: 0.078 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument:

BNA_N

ClientSampleId:

LOD-MDL-SOIL-01-QT2-2020

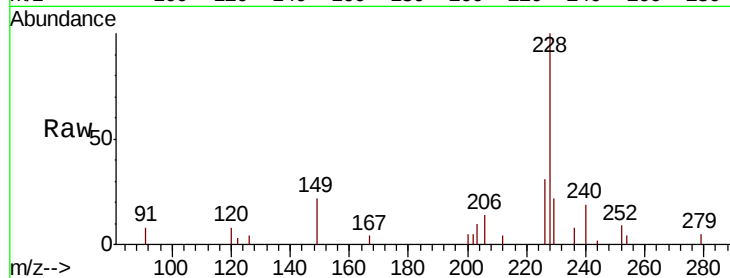
Tot Ion:228 Resp: 4661

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

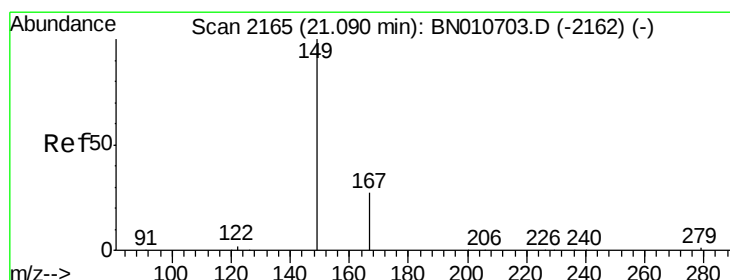
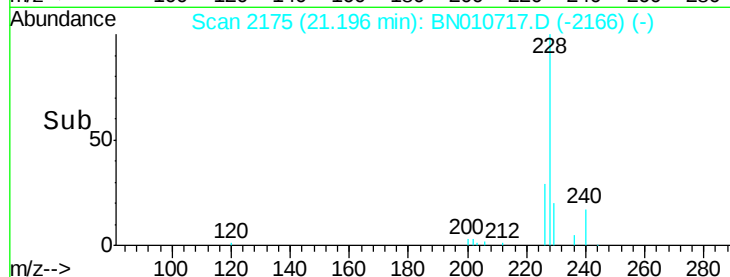
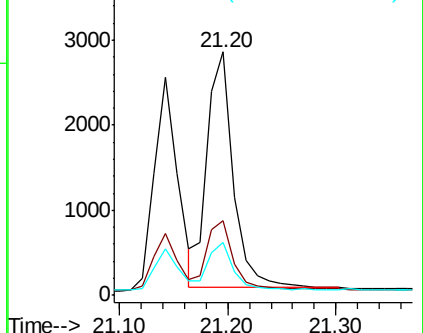
229 21.5 16.1 24.1



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: 0.097 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

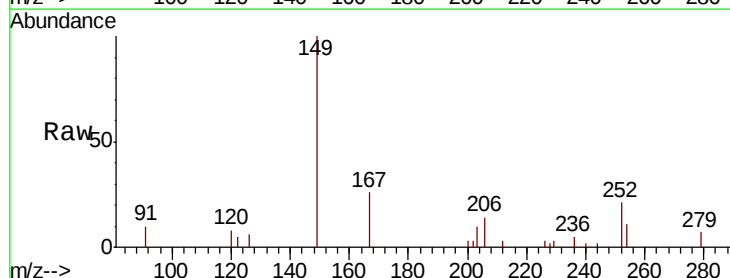
Tgt Ion:149 Resp: 2243

Ion Ratio Lower Upper

149 100

167 27.2 22.5 33.7

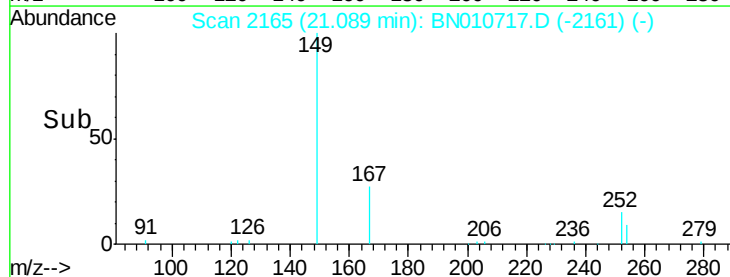
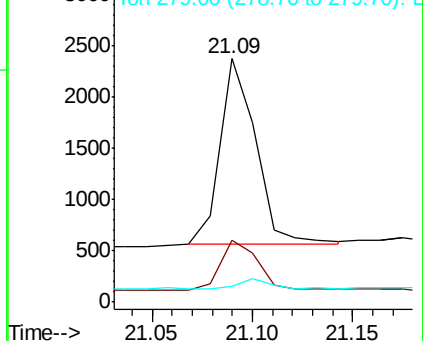
279 5.6 4.1 6.1

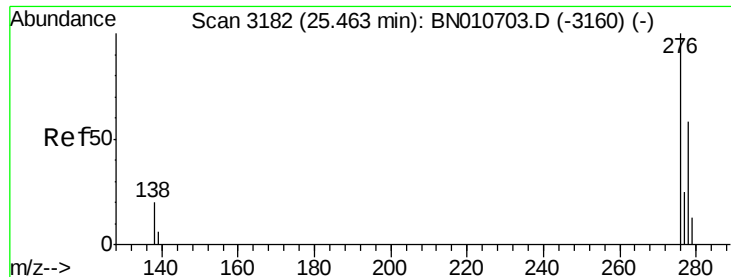


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.076 ng

RT: 25.47 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

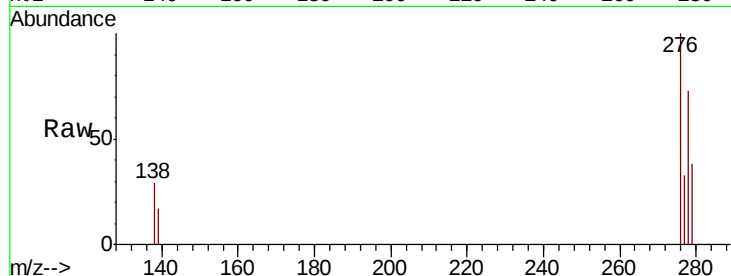
Tot Ion:276 Resp: 4047

Ion Ratio Lower Upper

276 100

138 20.0 15.1 22.7

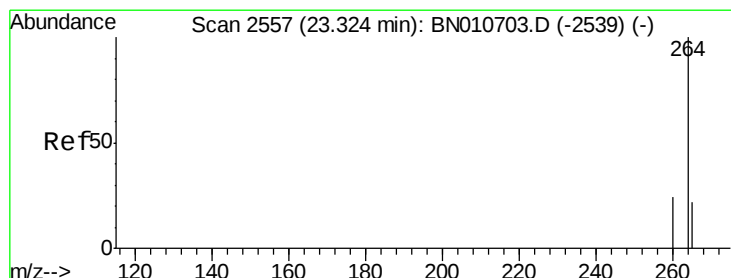
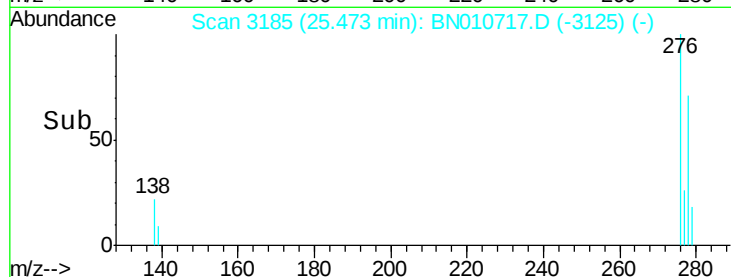
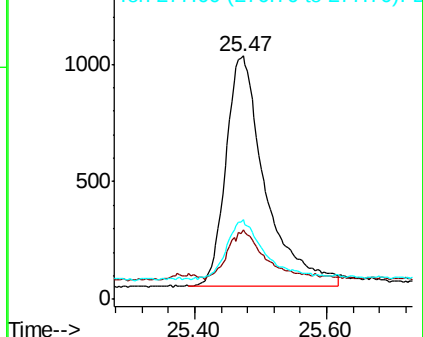
277 24.6 19.4 29.0



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: BN010717.D

Acq: 14 May 2020 18:09

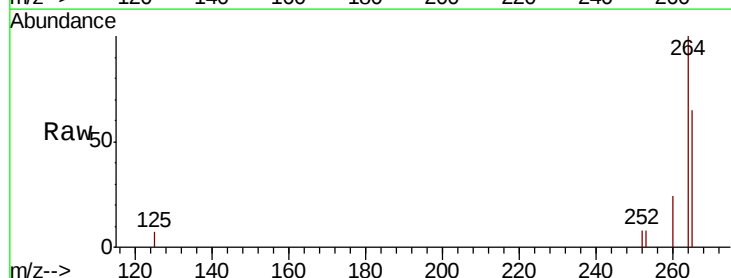
Tgt Ion:264 Resp: 16954

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

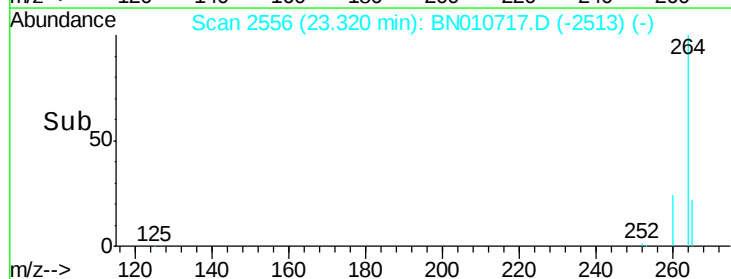
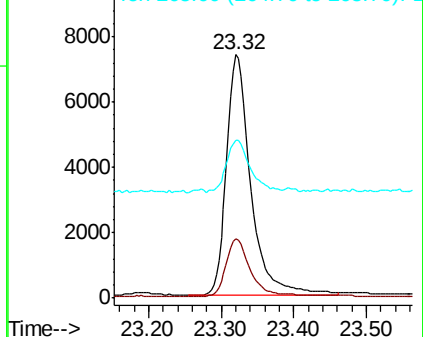
265 64.6 70.1 105.1#

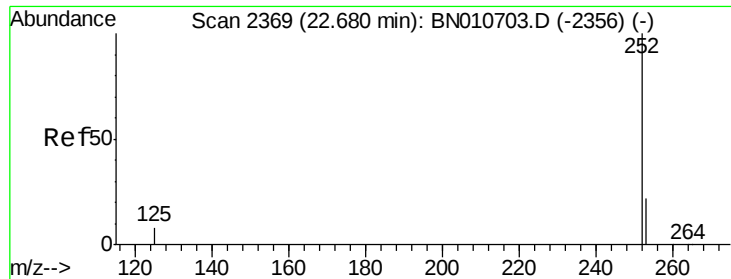


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

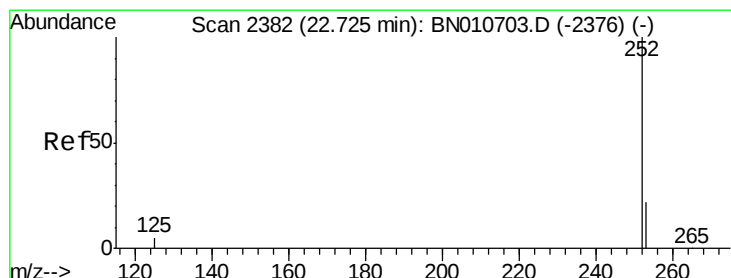
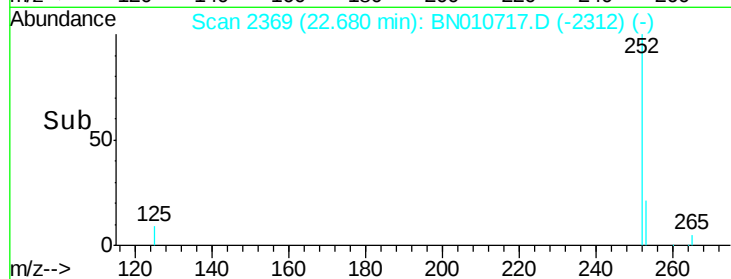
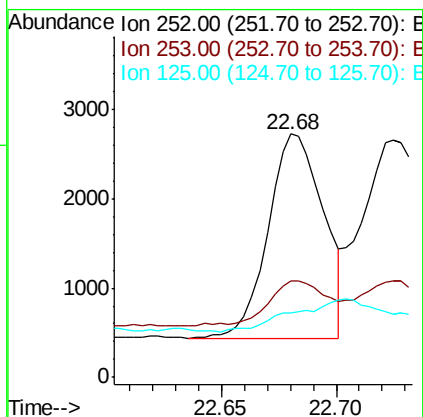
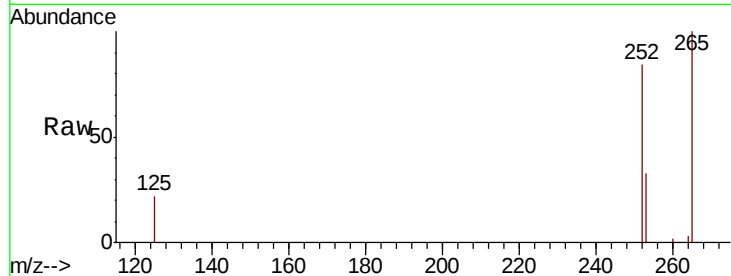




#35
Benzo(b)fluoranthene
Concen: 0.069 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

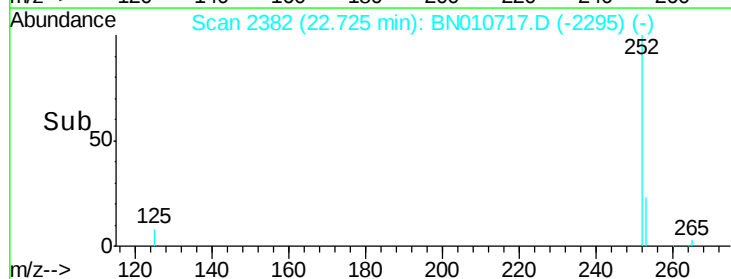
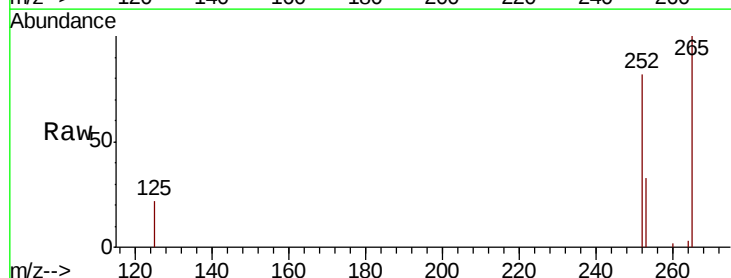
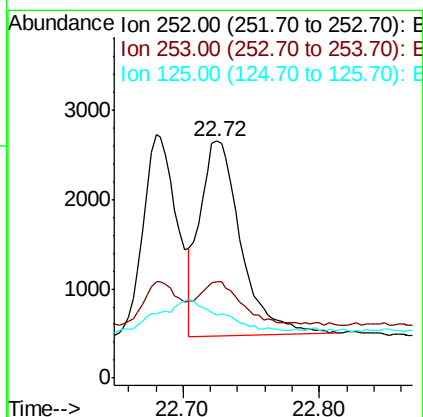
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

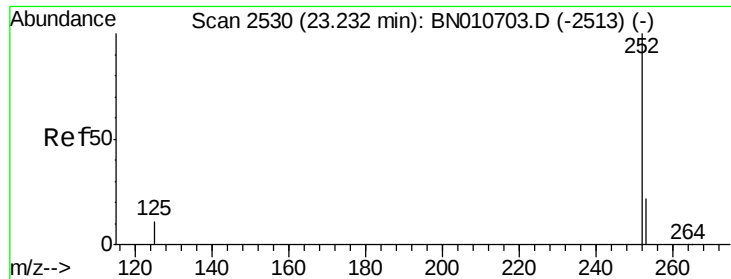
Tot Ion:252 Resp: 3859
Ion Ratio Lower Upper
252 100
253 39.4 22.0 33.0#
125 26.3 10.8 16.2#



#36
Benzo(k)fluoranthene
Concen: 0.076 ng
RT: 22.72 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BN010717.D
Acq: 14 May 2020 18:09

Tgt Ion:252 Resp: 4585
Ion Ratio Lower Upper
252 100
253 40.6 21.9 32.9#
125 26.8 11.1 16.7#





#37

Benzo(a)pyrene

Concen: 0.070 ng

RT: 23.23 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

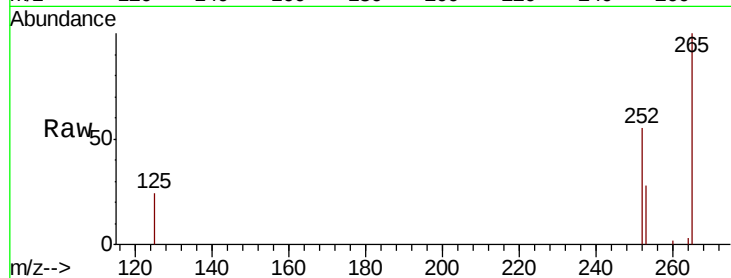
Tot Ion:252 Resp: 3404

Ion Ratio Lower Upper

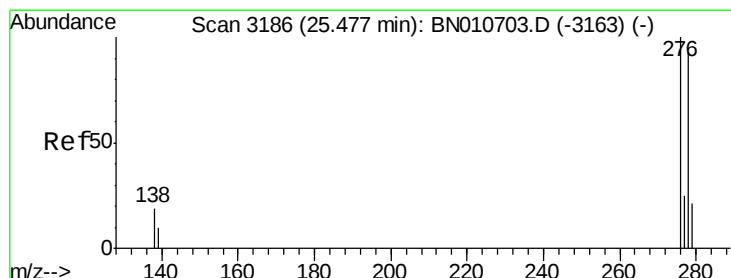
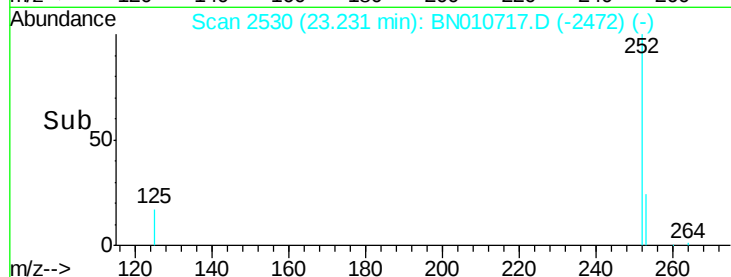
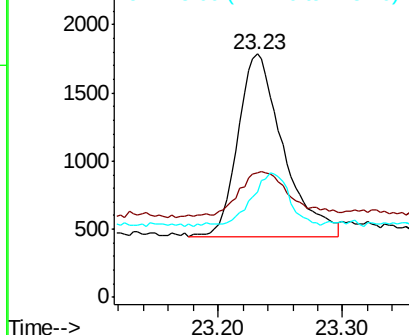
252 100

253 51.2 24.8 37.2#

125 43.5 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: 0.079 ng

RT: 25.49 min Scan# 3189

Delta R.T. 0.01 min

Lab File: BN010717.D

Acq: 14 May 2020 18:09

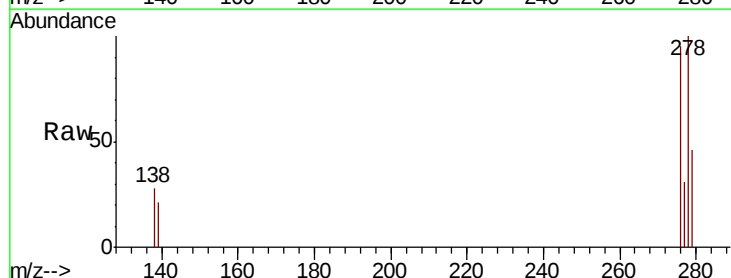
Tgt Ion:278 Resp: 3254

Ion Ratio Lower Upper

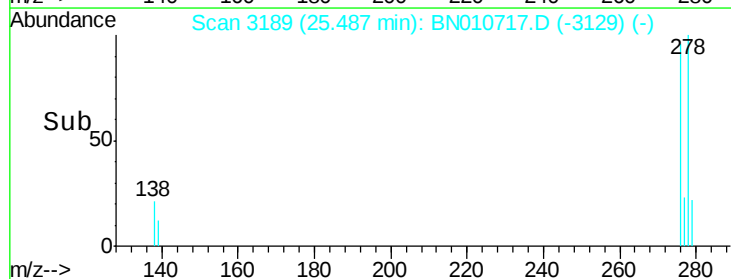
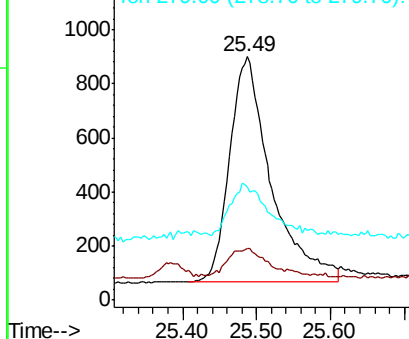
278 100

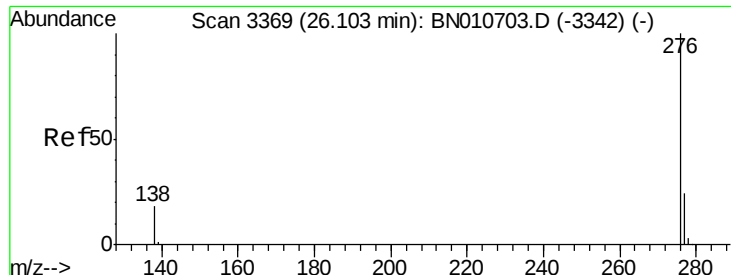
139 21.1 13.0 19.4#

279 46.4 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: 0.080 ng

RT: 26.11 min Scan# 3370

Delta R.T. -0.00 min

Lab File: BN010717.D

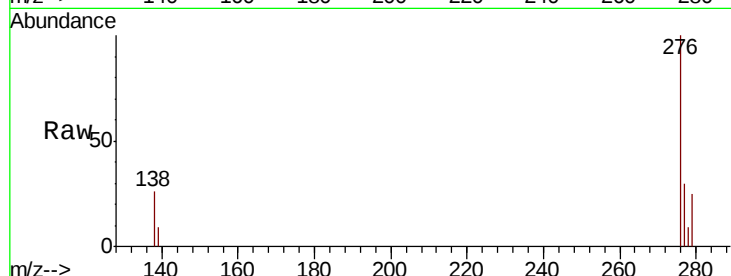
Acq: 14 May 2020 18:09

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020



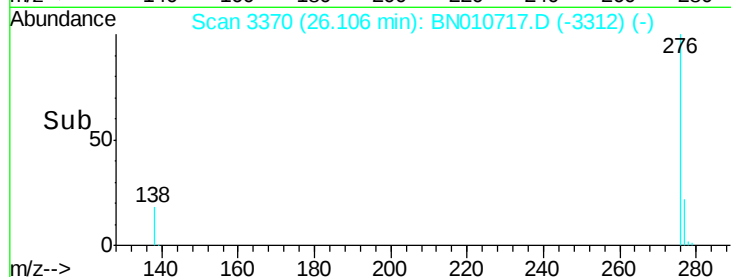
Tot Ion: 276 Resp: 3865

Ion Ratio Lower Upper

276 100

277 29.6 20.6 30.8

138 25.6 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

