

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051520\
 Data File : BN010726.D
 Acq On : 15 May 2020 11:50
 Operator : CG/JU
 Sample : L2182-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: May 15 12:37:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 10:34:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4981	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	18885	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	11682	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	22951	0.40	ng	0.00
27) Chrysene-d12	21.15	240	18585	0.40	ng	0.00
34) Perylene-d12	23.32	264	17135	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	2624	0.27	ng	0.00
5) Phenol-d6	6.78	99	3081	0.26	ng	0.00
8) Nitrobenzene-d5	8.72	82	3497	0.27	ng	0.01
11) 2-Methylnaphthalene-d10	11.93	152	7638	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	921	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	10865	0.25	ng	0.02
25) Fluoranthene-d10	18.99	212	15148	0.24	ng	0.00
29) Terphenyl-d14	19.60	244	12138	0.28	ng	0.00

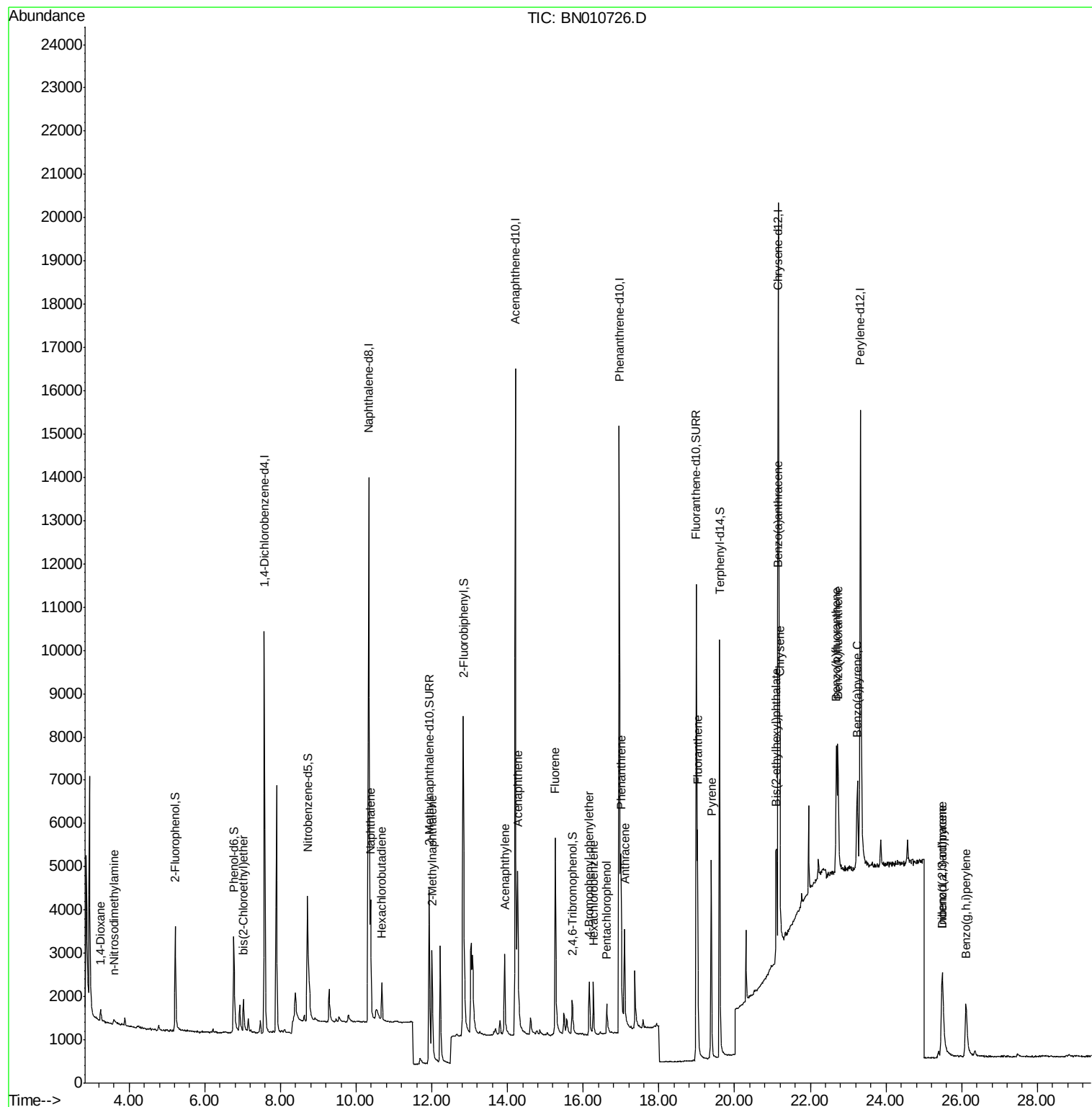
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	314	0.07	ng	# 89
3) n-Nitrosodimethylamine	3.60	42	186	0.08	ng	# 71
6) bis(2-Chloroethyl)ether	7.03	93	887	0.07	ng	97
9) Naphthalene	10.38	128	3664	0.08	ng	96
10) Hexachlorobutadiene	10.67	225	778	0.07	ng	# 97
12) 2-Methylnaphthalene	12.01	142	2446	0.07	ng	99
16) Acenaphthylene	13.92	152	3097	0.06	ng	99
17) Acenaphthene	14.27	154	2228	0.07	ng	99
18) Fluorene	15.26	166	2795	0.07	ng	99
20) 4-Bromophenyl-phenylether	16.16	248	810	0.06	ng	94
21) Hexachlorobenzene	16.27	284	1095	0.07	ng	99
22) Pentachlorophenol	16.62	266	577	0.12	ng	# 89
23) Phenanthrene	17.00	178	4402	0.07	ng	99
24) Anthracene	17.09	178	3509	0.07	ng	99
26) Fluoranthene	19.02	202	5014	0.07	ng	98
28) Pyrene	19.38	202	4883	0.07	ng	99
30) Benzo(a)anthracene	21.14	228	4104	0.08	ng	97
31) Chrysene	21.20	228	4492	0.07	ng	99
32) Bis(2-ethylhexyl)phthalate	21.09	149	2393	0.10	ng	99
33) Indeno(1,2,3-cd)pyrene	25.48	276	3702	0.07	ng	98
35) Benzo(b)fluoranthene	22.68	252	4020	0.07	ng	# 73
36) Benzo(k)fluoranthene	22.73	252	4621	0.08	ng	# 72
37) Benzo(a)pyrene	23.23	252	3322	0.07	ng	# 51
38) Dibenzo(a,h)anthracene	25.49	278	2796	0.07	ng	# 69
39) Benzo(g,h,i)perylene	26.11	276	3454	0.07	ng	# 86

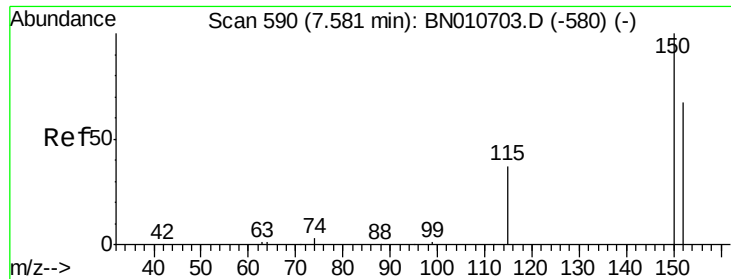
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 10:34:23 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.57 min Scan# 589

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

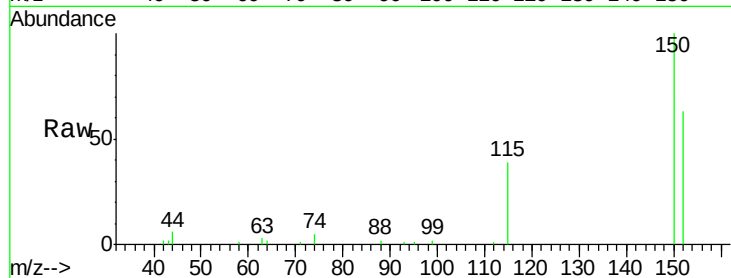
Tgt Ion: 152 Resp: 4981

Ion Ratio Lower Upper

152 100

150 157.9 119.4 179.0

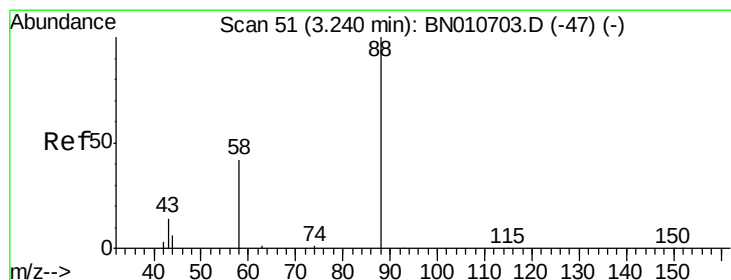
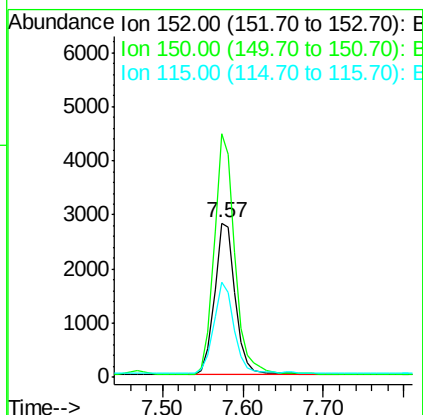
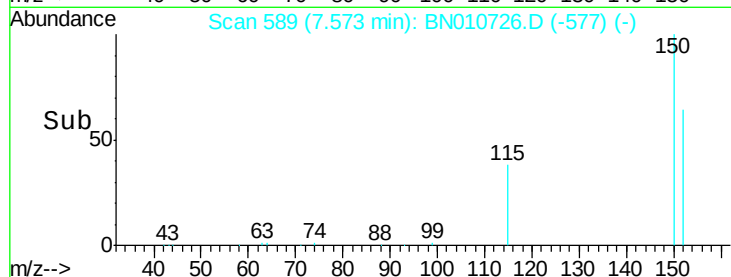
115 61.3 45.9 68.9



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: 0.07 ng

RT: 3.25 min Scan# 52

Delta R.T. 0.01 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

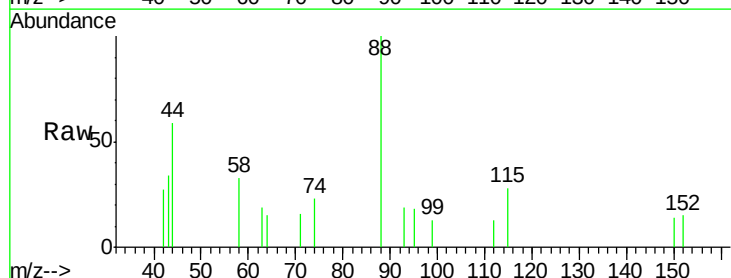
Tgt Ion: 88 Resp: 314

Ion Ratio Lower Upper

88 100

58 55.1 39.0 58.6

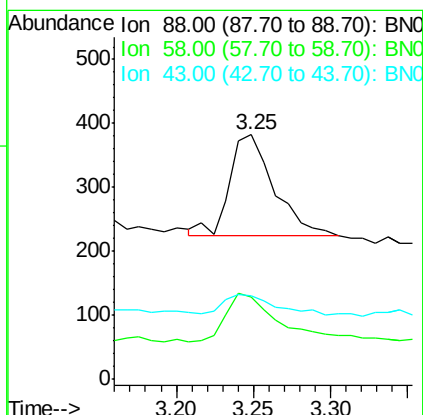
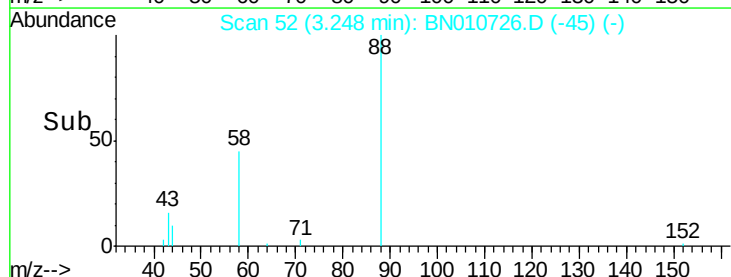
43 23.6 13.1 19.7#

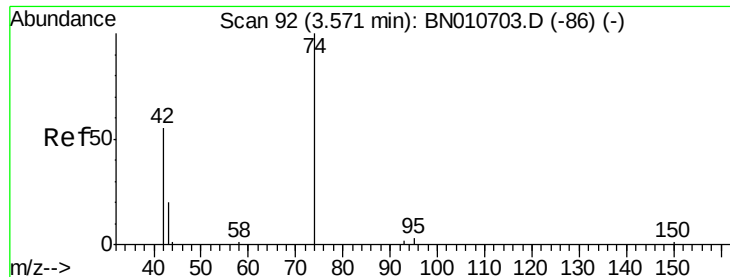


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.60 min Scan# 96

Delta R.T. 0.02 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

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MDL-SOIL-03-QT2-2020

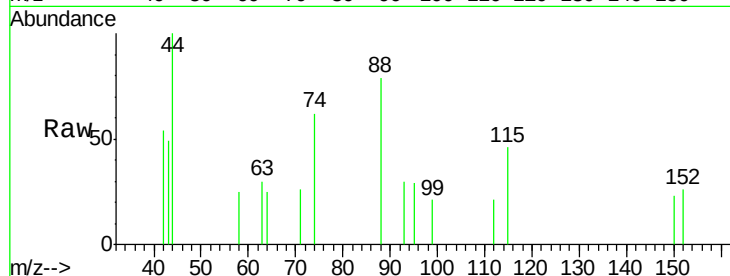
Tgt Ion: 42 Resp: 186

Ion Ratio Lower Upper

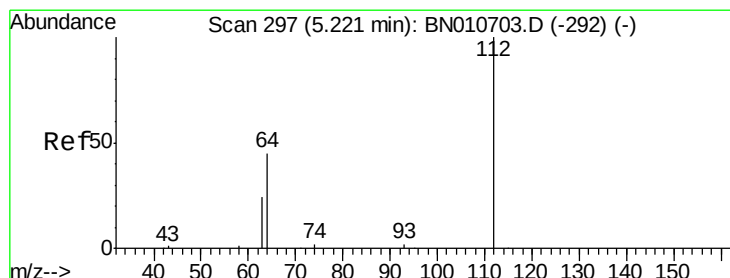
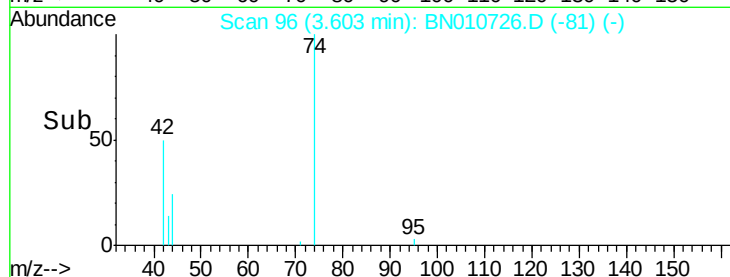
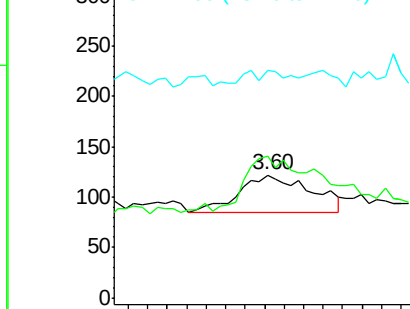
42 100

74 140.3 146.2 219.2#

44 8.6 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: 0.27 ng

RT: 5.22 min Scan# 297

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

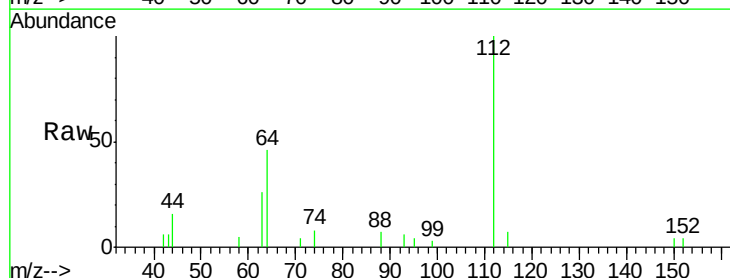
Tgt Ion: 112 Resp: 2624

Ion Ratio Lower Upper

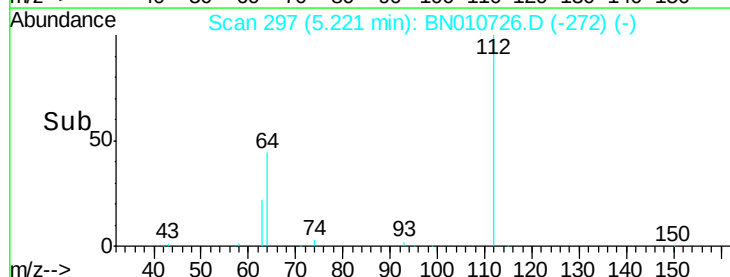
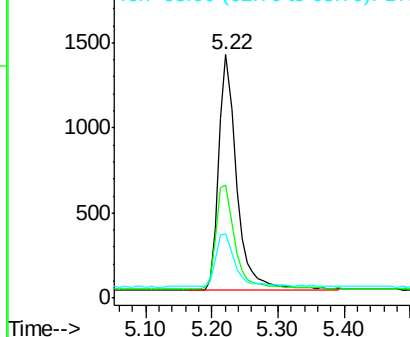
112 100

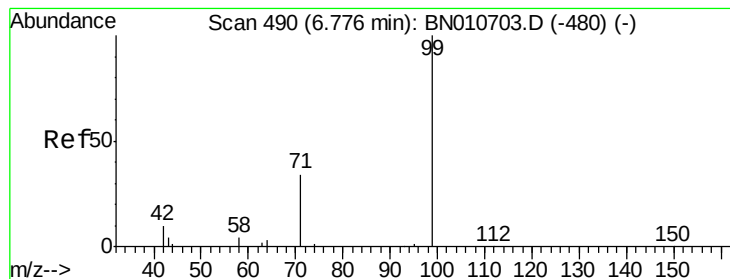
64 46.6 36.2 54.4

63 23.5 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: 0.26 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.01 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

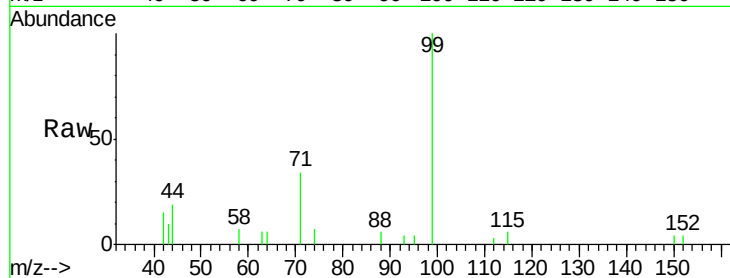
Tgt Ion: 99 Resp: 3081

Ion Ratio Lower Upper

99 100

42 13.5 9.8 14.8

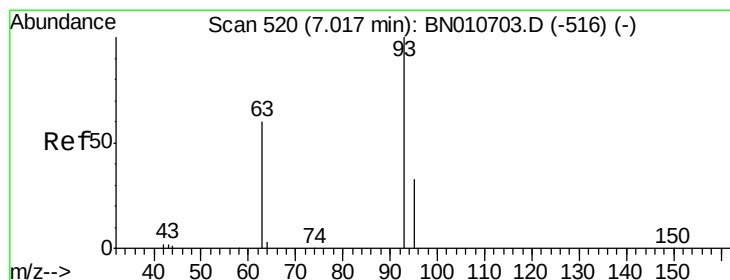
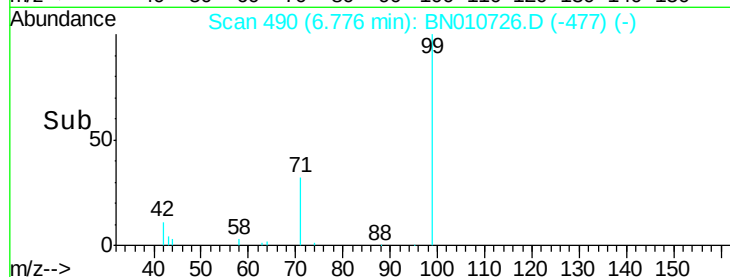
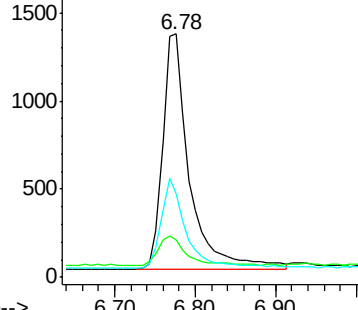
71 35.8 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010726.D (-477) (-)

Ion 42.00 (41.70 to 42.70): BN010726.D (-477) (-)

Ion 71.00 (70.70 to 71.70): BN010726.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.03 min Scan# 521

Delta R.T. 0.01 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

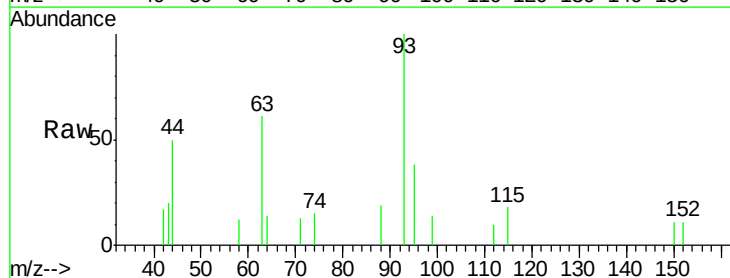
Tgt Ion: 93 Resp: 887

Ion Ratio Lower Upper

93 100

63 55.5 43.1 64.7

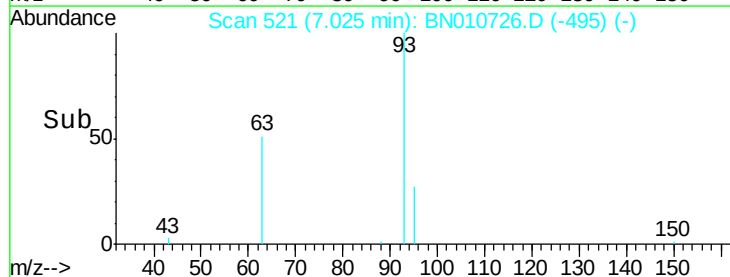
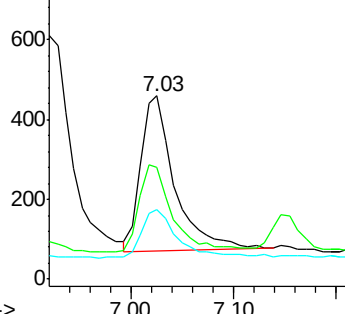
95 33.6 24.6 37.0

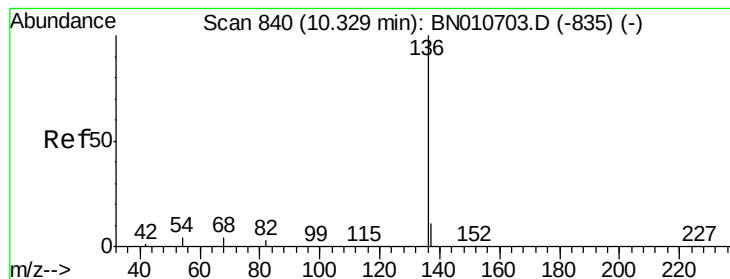


Abundance Ion 93.00 (92.70 to 93.70): BN010726.D (-495) (-)

Ion 63.00 (62.70 to 63.70): BN010726.D (-495) (-)

Ion 95.00 (94.70 to 95.70): BN010726.D (-495) (-)





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tgt Ion:136 Resp: 18885

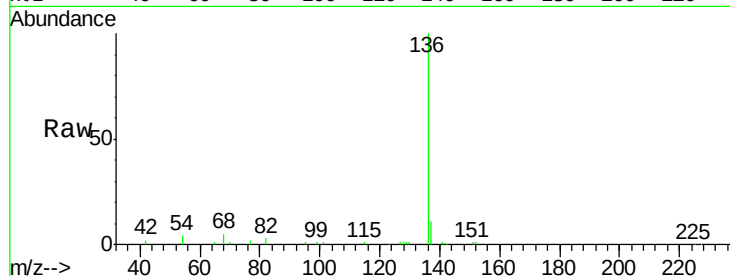
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 4.2 3.6 5.4

68 5.0 4.1 6.1

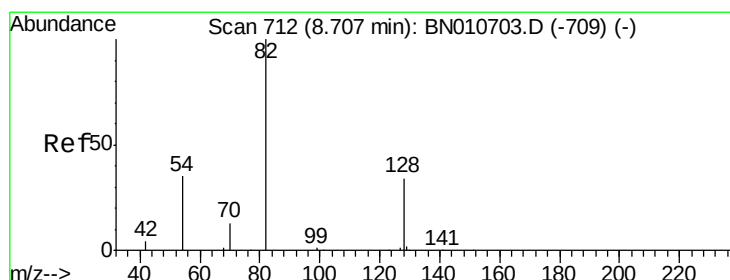
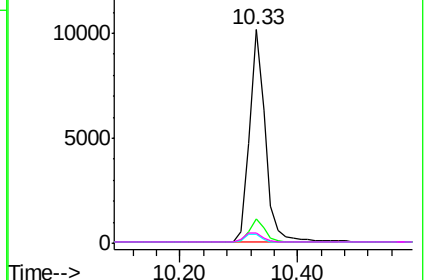
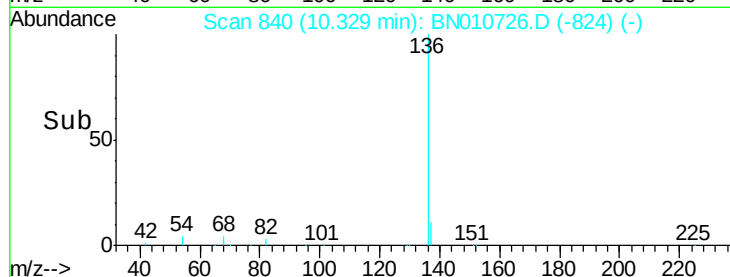


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.27 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

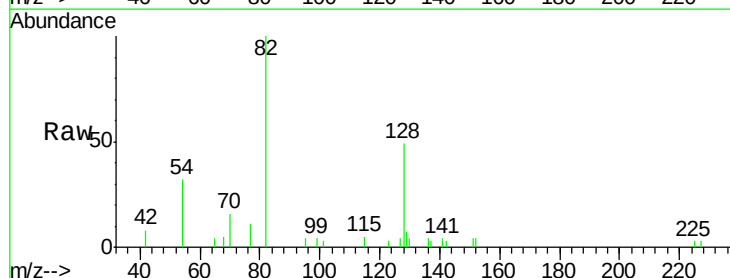
Tgt Ion: 82 Resp: 3497

Ion Ratio Lower Upper

82 100

128 49.2 29.0 43.4#

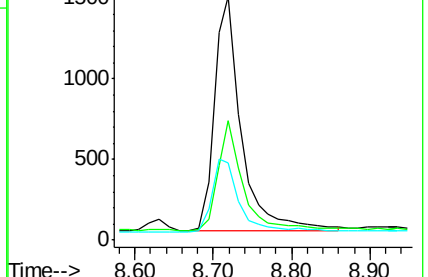
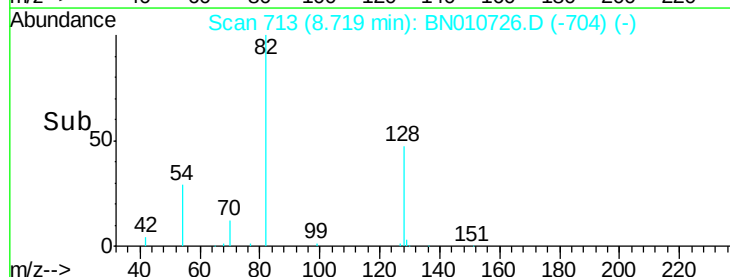
54 31.5 29.3 43.9

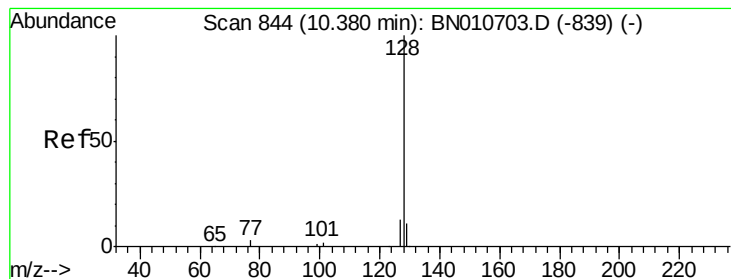


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.08 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

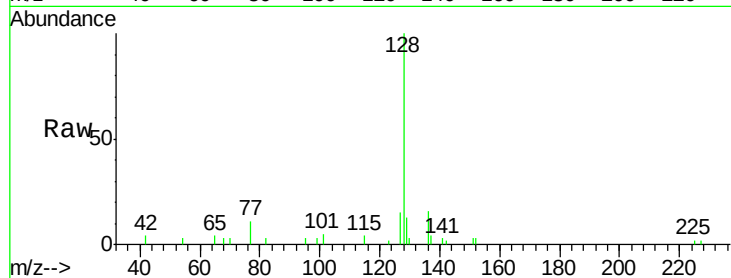
Tgt Ion:128 Resp: 3664

Ion Ratio Lower Upper

128 100

129 13.2 9.3 13.9

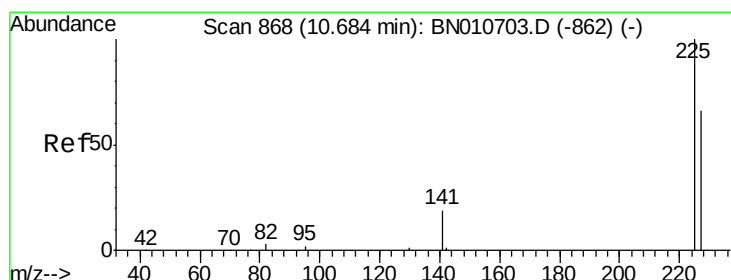
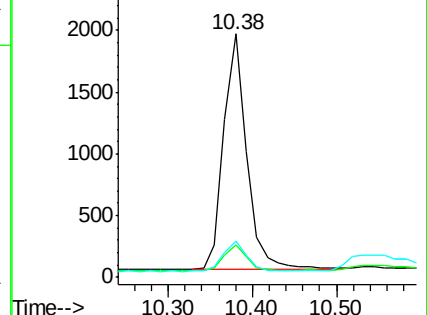
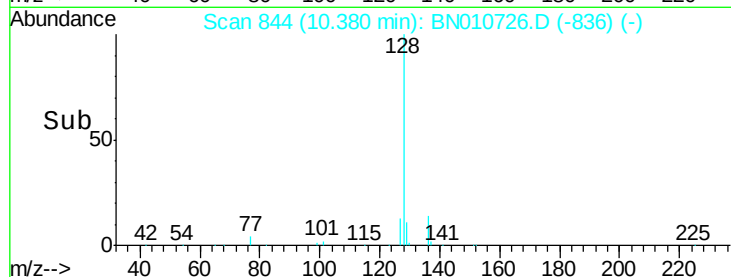
127 15.2 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.07 ng

RT: 10.67 min Scan# 867

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

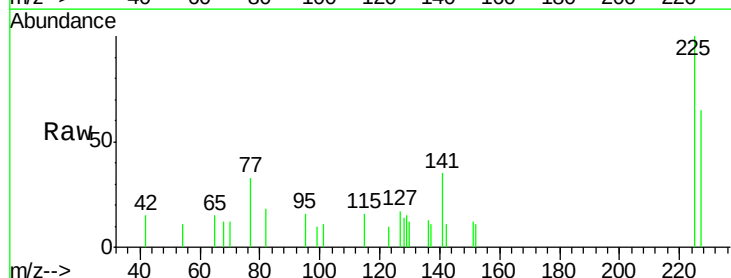
Tgt Ion:225 Resp: 778

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

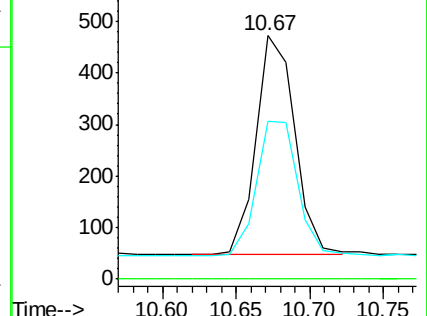
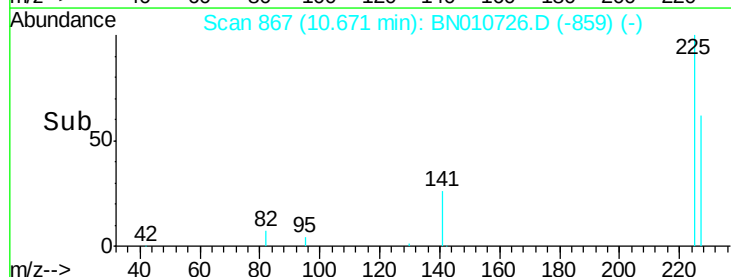
227 65.6 50.7 76.1

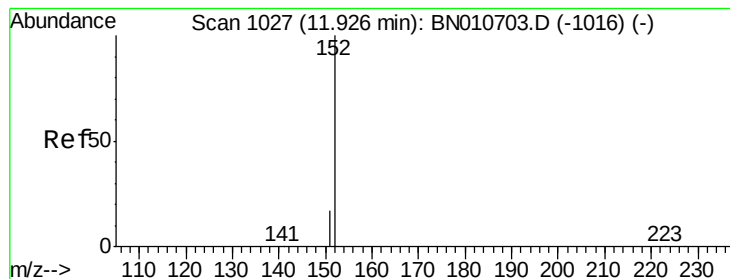


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.25 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

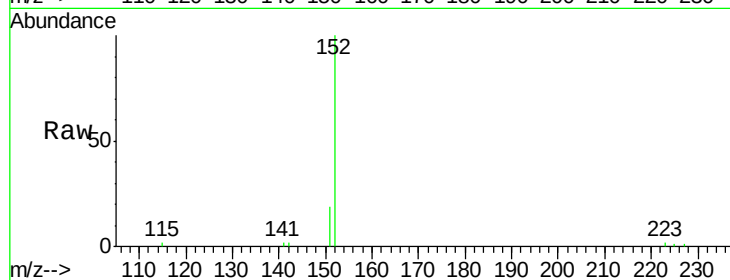
MDL-SOIL-03-QT2-2020

Tgt Ion:152 Resp: 7638

Ion Ratio Lower Upper

152 100

151 18.7 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.93

4000

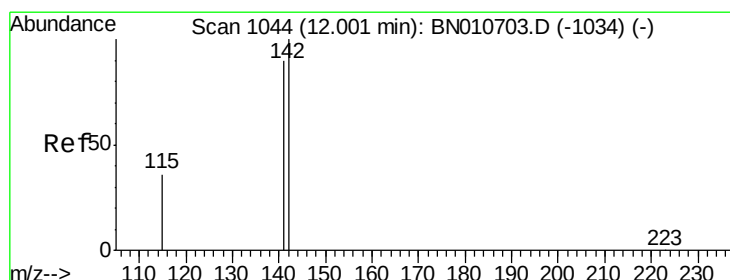
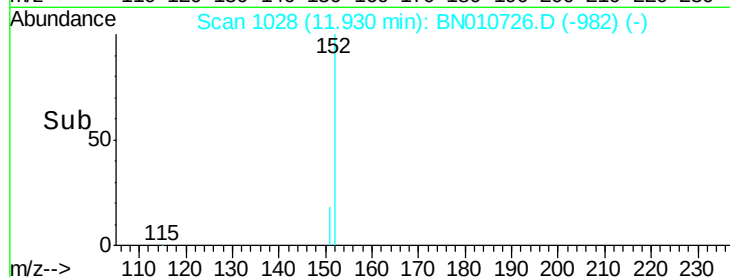
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.01 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

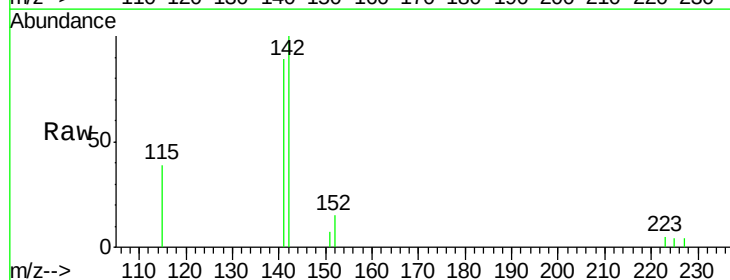
Tgt Ion:142 Resp: 2446

Ion Ratio Lower Upper

142 100

141 88.7 71.7 107.5

115 38.7 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

12.01

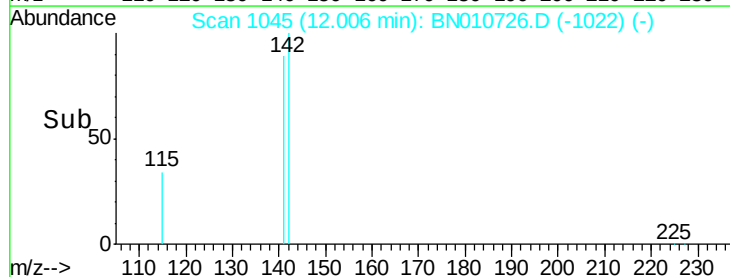
1500

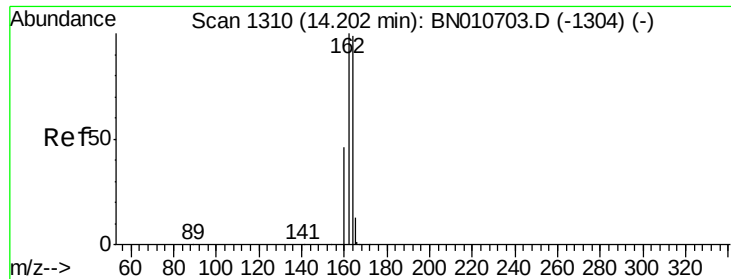
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

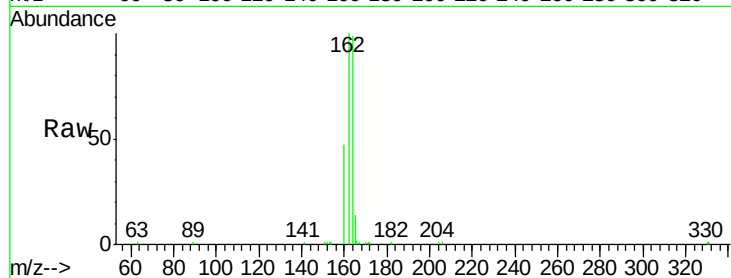
Tgt Ion:164 Resp: 11682

Ion Ratio Lower Upper

164 100

162 101.2 81.1 121.7

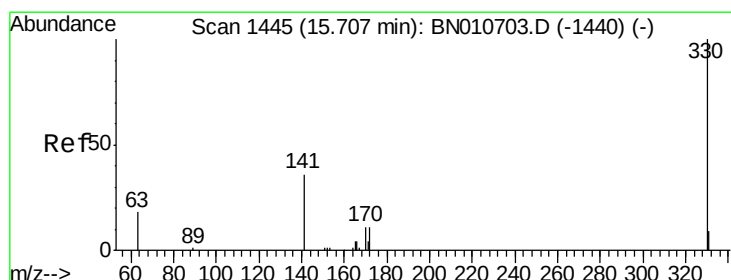
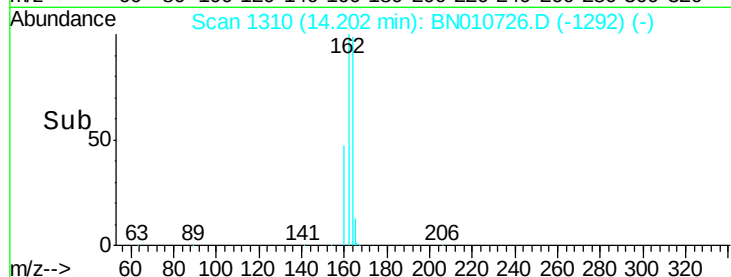
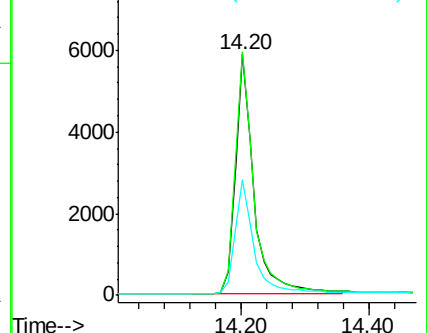
160 47.8 37.9 56.9



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: 0.22 ng

RT: 15.71 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

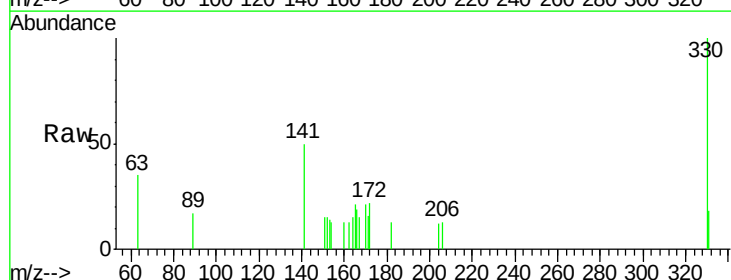
Tgt Ion:330 Resp: 921

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

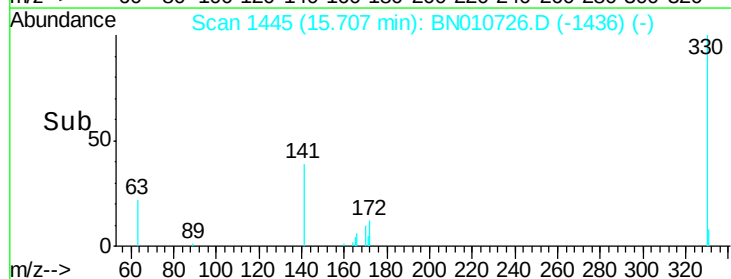
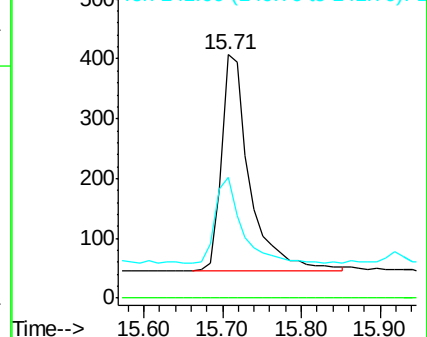
141 37.2 28.8 43.2

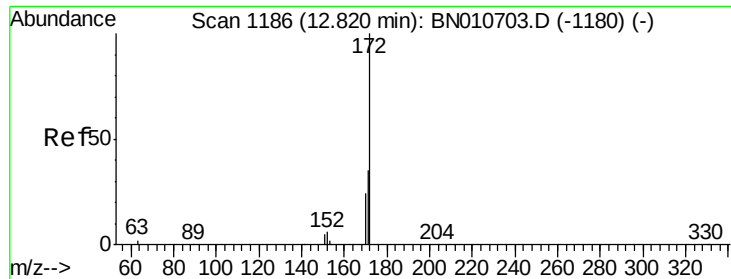


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

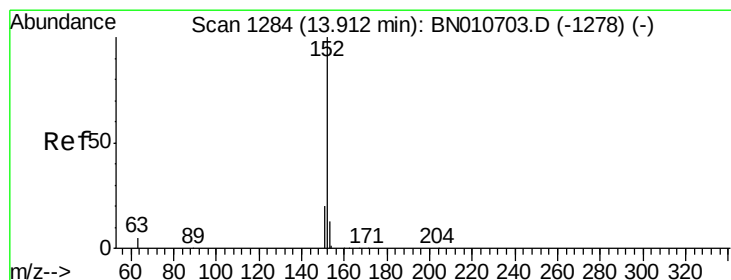
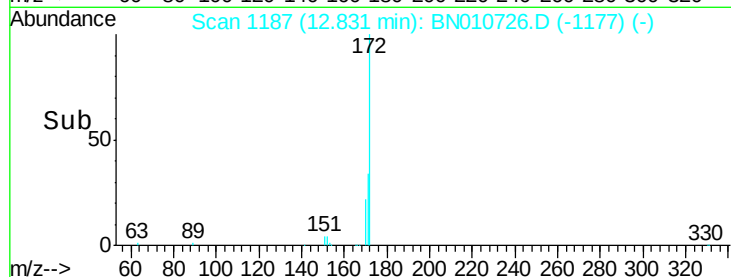
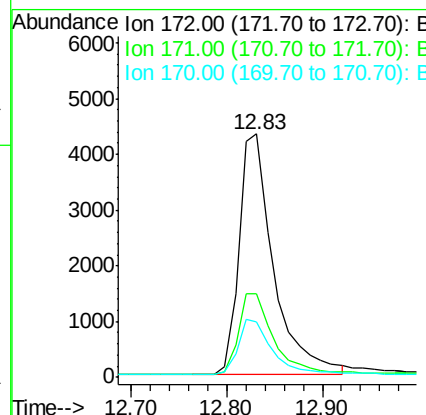
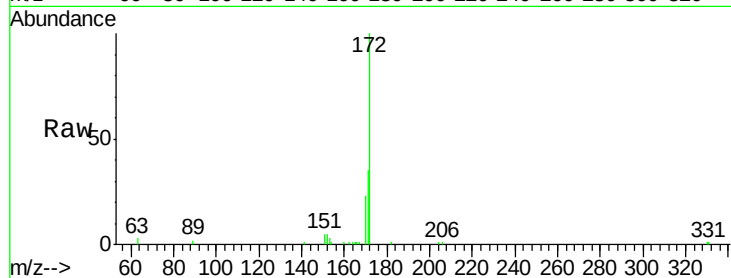




#15
2-Fluorobiphenyl
Concen: 0.25 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.02 min
Lab File: BN010726.D
Acq: 15 May 2020 11:50

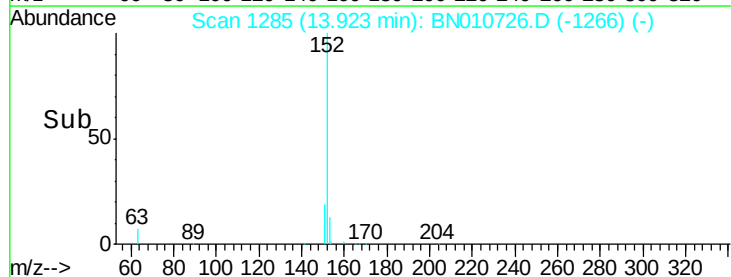
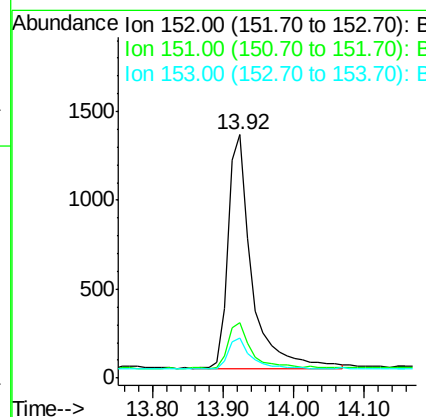
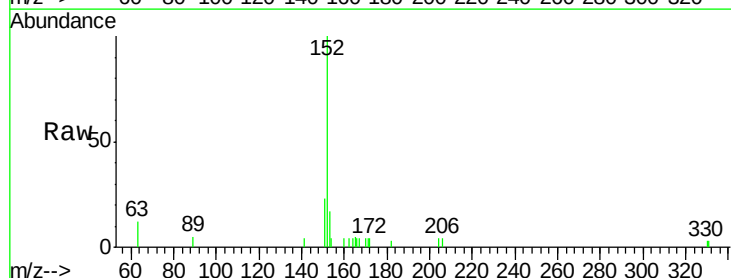
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2020

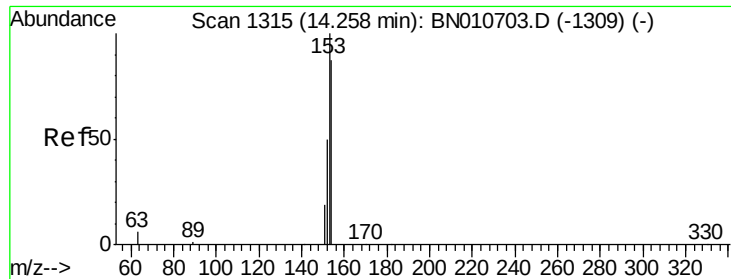
Tgt Ion:172 Resp: 10865
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 22.6 19.8 29.8



#16
Acenaphthylene
Concen: 0.06 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.02 min
Lab File: BN010726.D
Acq: 15 May 2020 11:50

Tgt Ion:152 Resp: 3097
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 13.3 10.4 15.6





#17

Acenaphthene

Concen: 0.07 ng

RT: 14.27 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

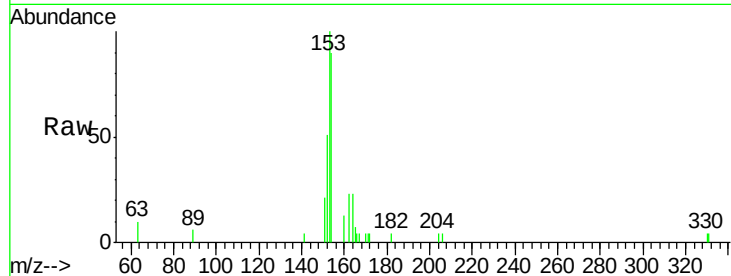
Tgt Ion:154 Resp: 2228

Ion Ratio Lower Upper

154 100

153 115.8 91.5 137.3

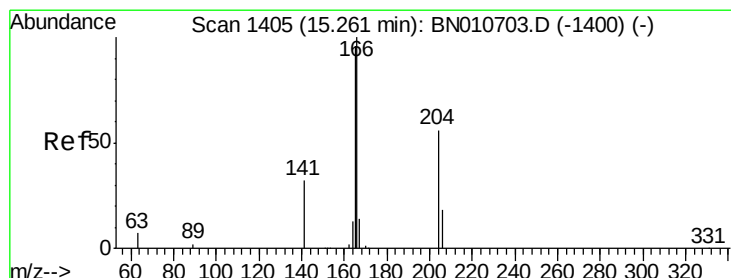
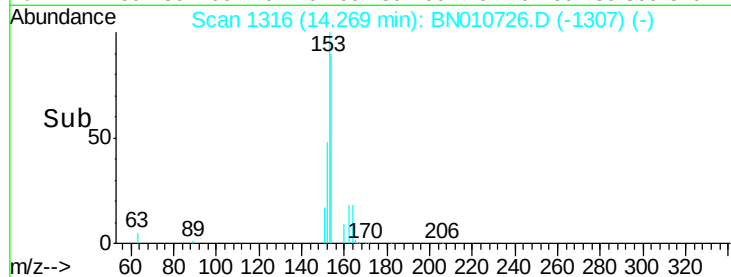
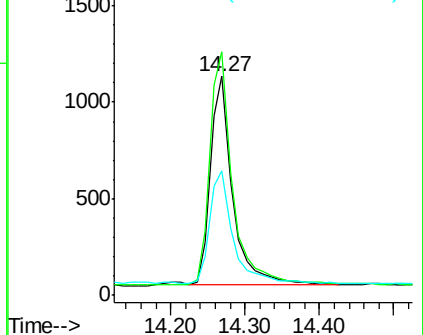
152 57.2 45.6 68.4



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: 0.07 ng

RT: 15.26 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

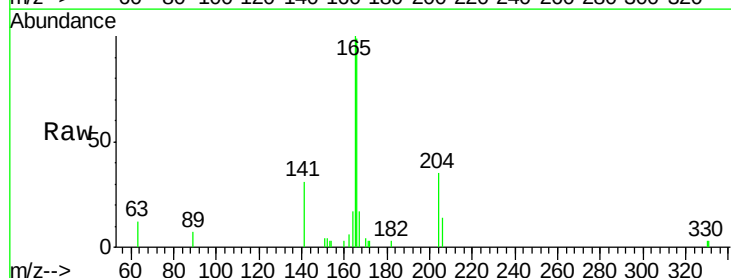
Tgt Ion:166 Resp: 2795

Ion Ratio Lower Upper

166 100

165 98.4 77.9 116.9

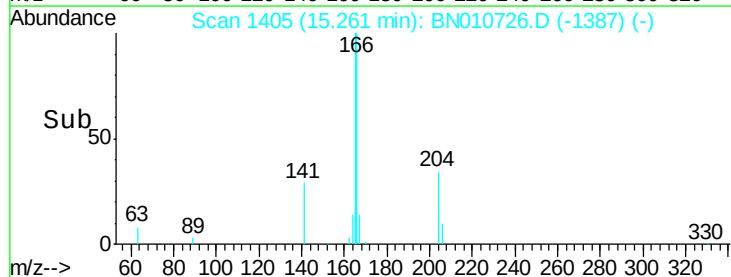
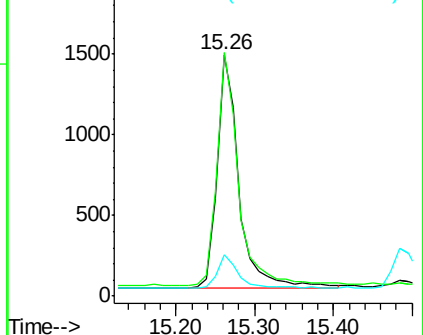
167 13.8 11.0 16.4

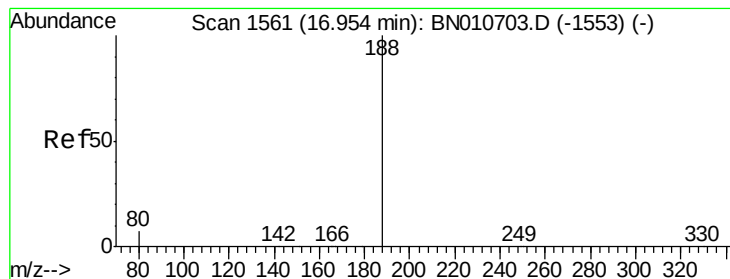


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 16.95 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

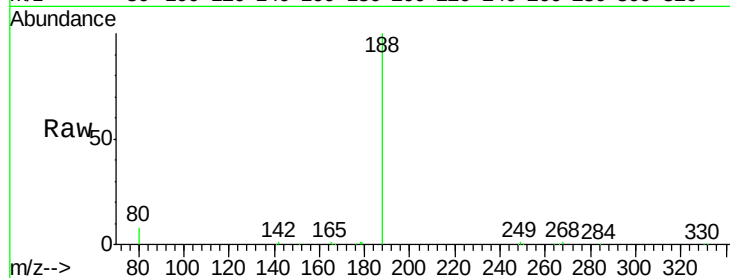
Tgt Ion:188 Resp: 22951

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

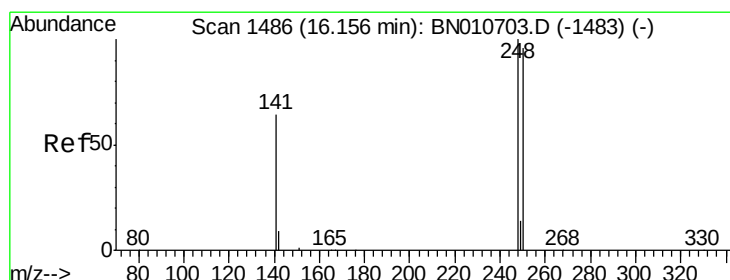
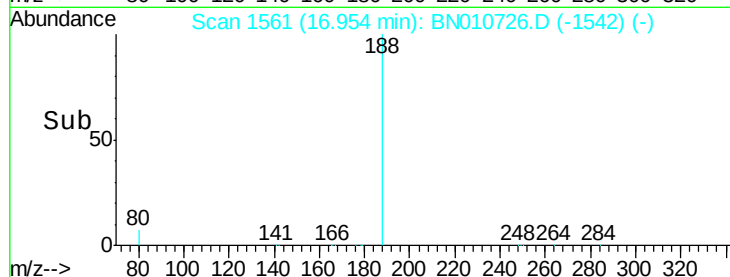
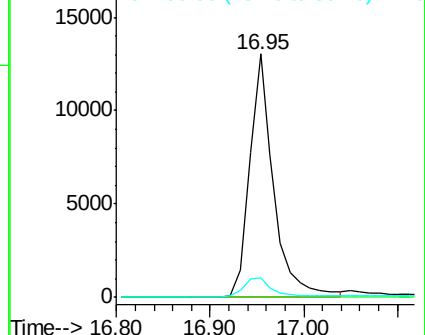
80 7.8 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.06 ng

RT: 16.16 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

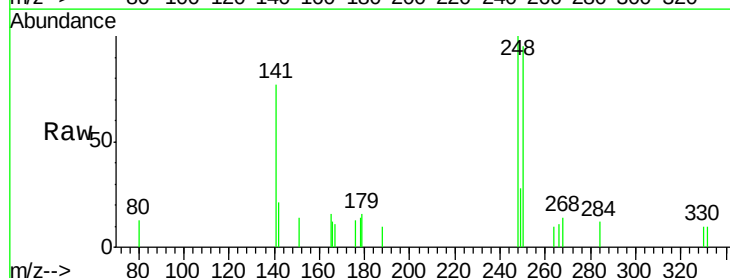
Tgt Ion:248 Resp: 810

Ion Ratio Lower Upper

248 100

250 95.0 77.4 116.0

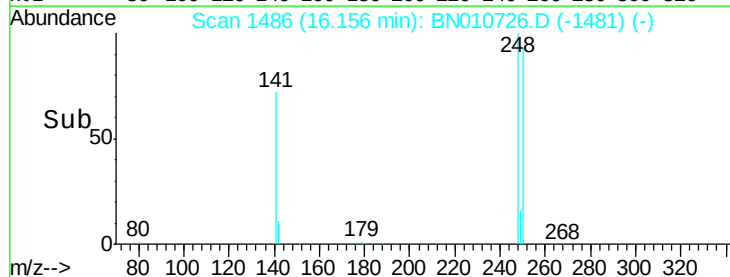
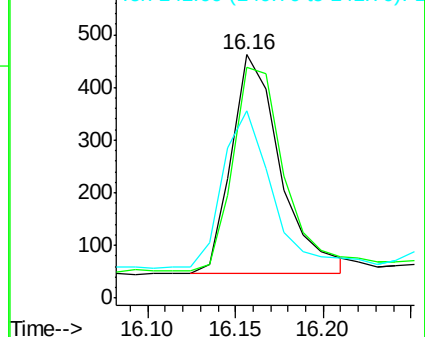
141 77.1 53.1 79.7

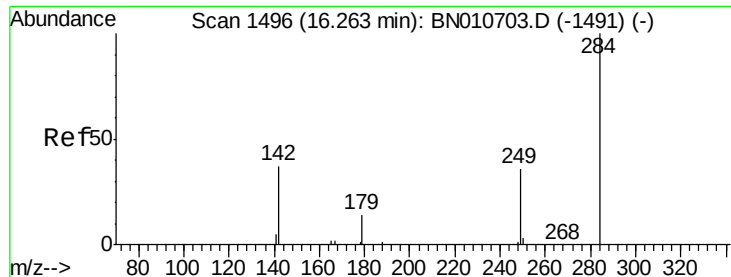


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.07 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

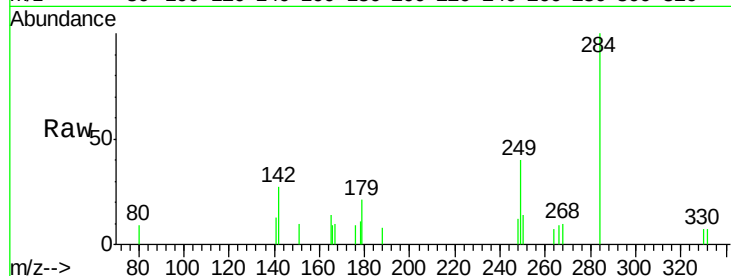
Tgt Ion:284 Resp: 1095

Ion Ratio Lower Upper

284 100

142 36.5 28.2 42.2

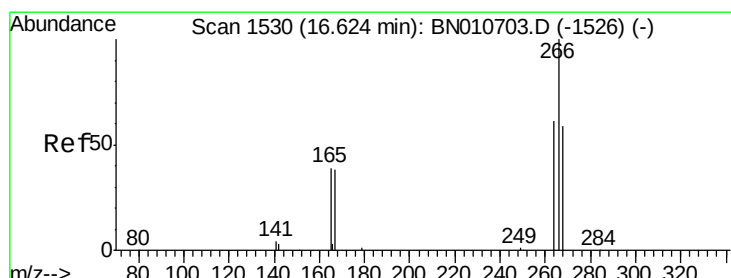
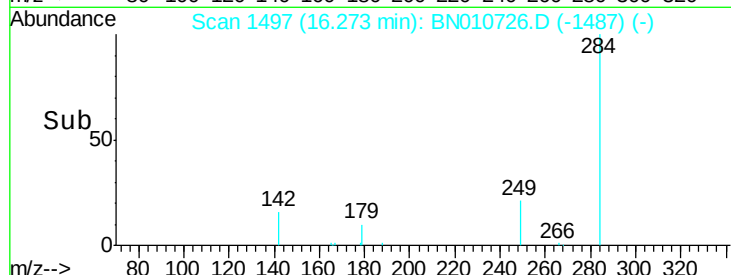
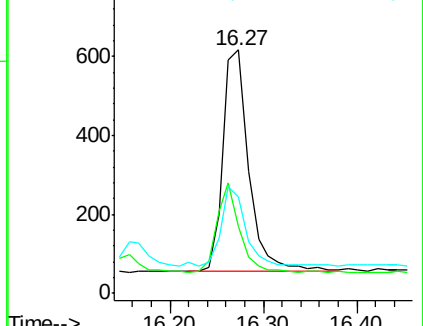
249 33.0 26.4 39.6



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: 0.12 ng

RT: 16.62 min Scan# 1530

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

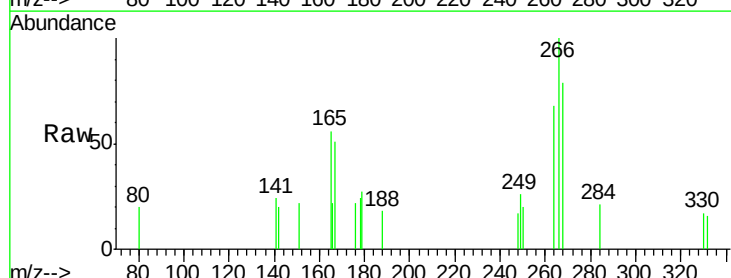
Tgt Ion:266 Resp: 577

Ion Ratio Lower Upper

266 100

264 67.5 51.1 76.7

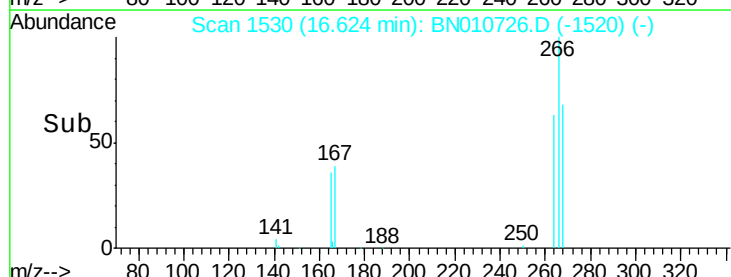
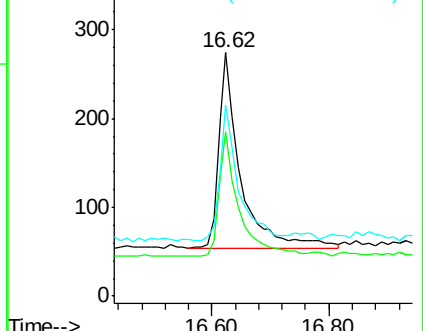
268 78.8 52.1 78.1#

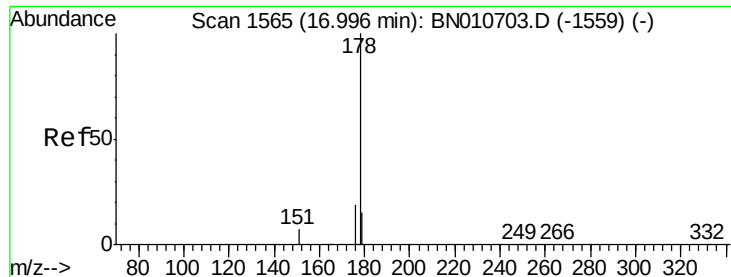


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.07 ng

RT: 17.00 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

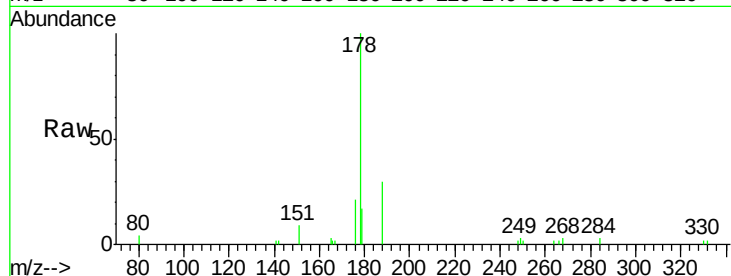
Tgt Ion:178 Resp: 4402

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

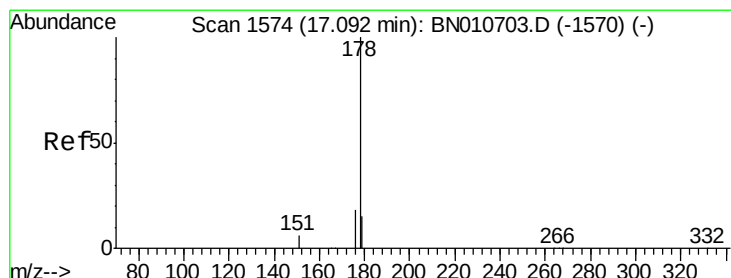
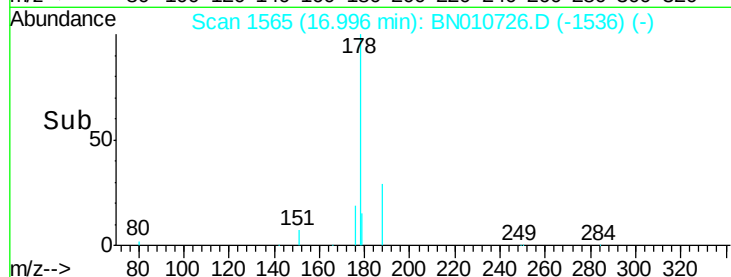
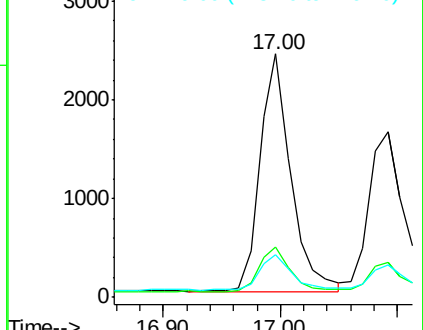
179 15.8 12.2 18.4



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: 0.07 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

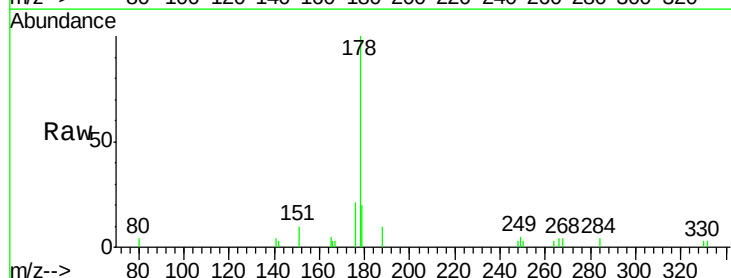
Tgt Ion:178 Resp: 3509

Ion Ratio Lower Upper

178 100

176 17.8 14.7 22.1

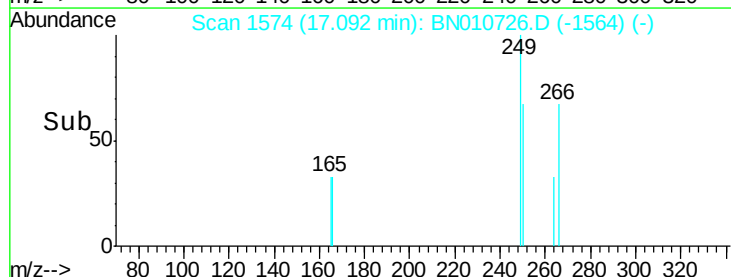
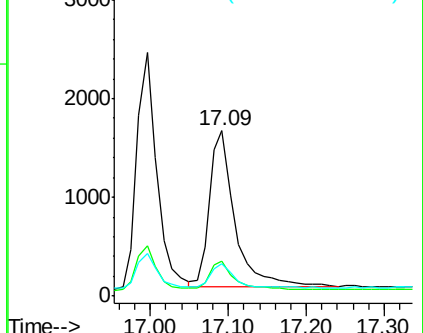
179 15.4 12.3 18.5

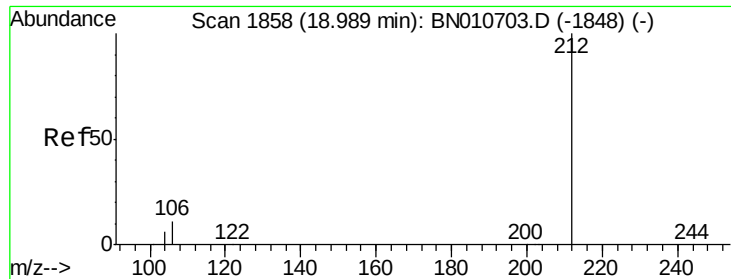


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.24 ng

RT: 18.99 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

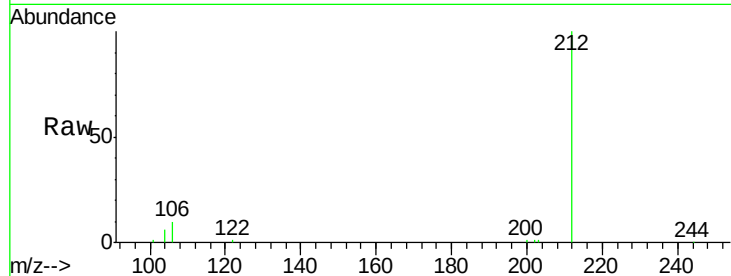
Tgt Ion:212 Resp: 15148

Ion Ratio Lower Upper

212 100

106 10.0 8.2 12.2

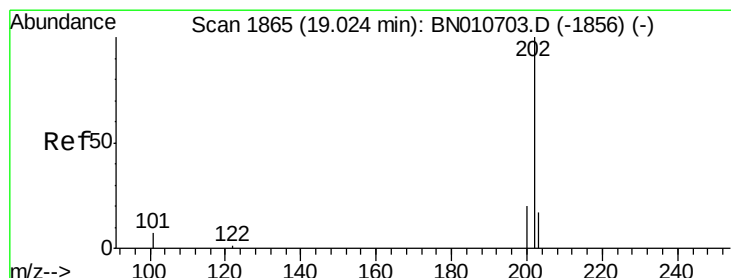
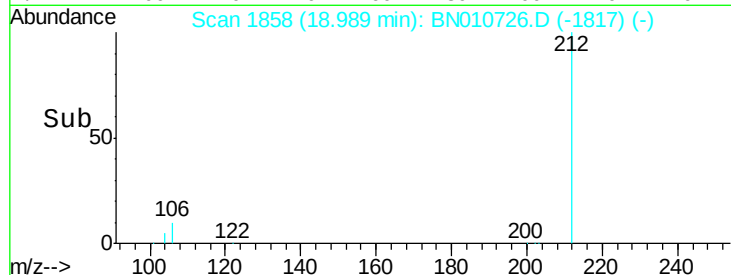
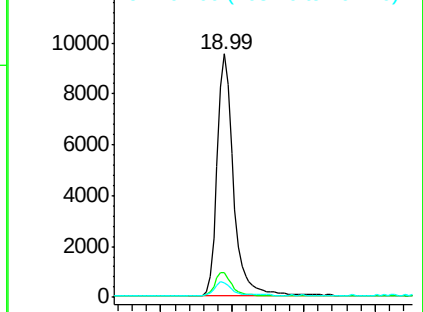
104 5.7 4.7 7.1



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: 0.07 ng

RT: 19.02 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

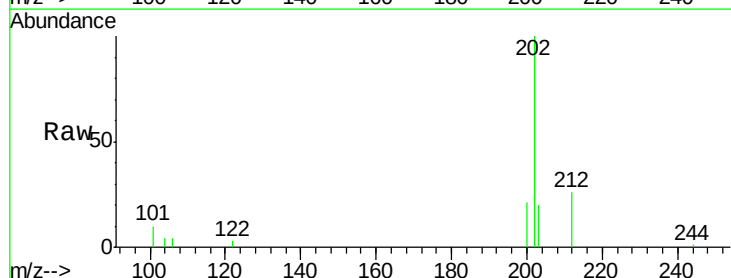
Tgt Ion:202 Resp: 5014

Ion Ratio Lower Upper

202 100

101 9.1 6.7 10.1

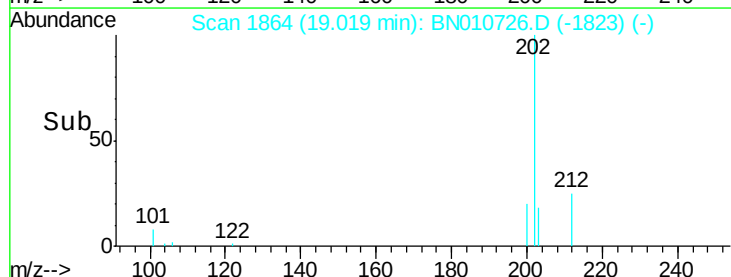
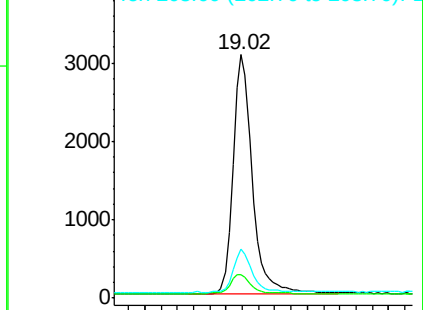
203 17.7 13.4 20.0

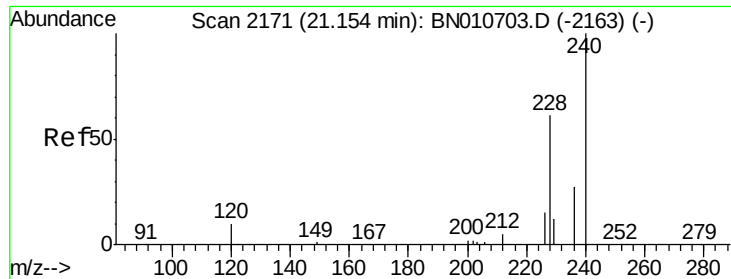


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

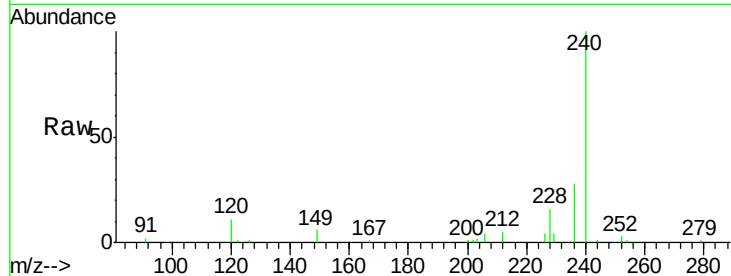
Tgt Ion:240 Resp: 18585

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

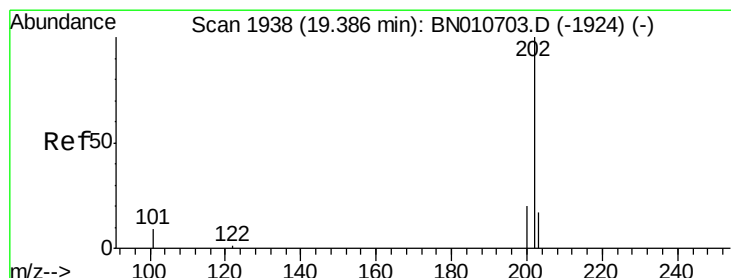
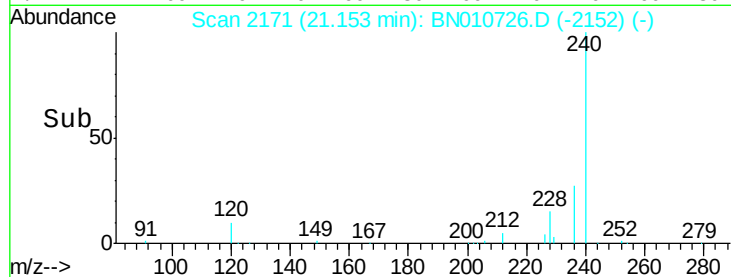
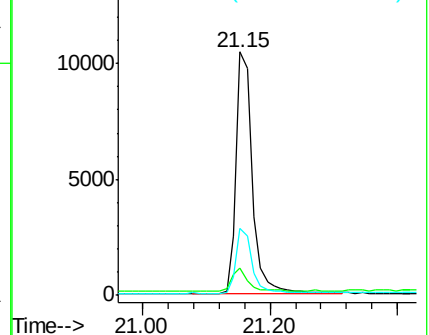
236 27.6 22.5 33.7



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: 0.07 ng

RT: 19.38 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

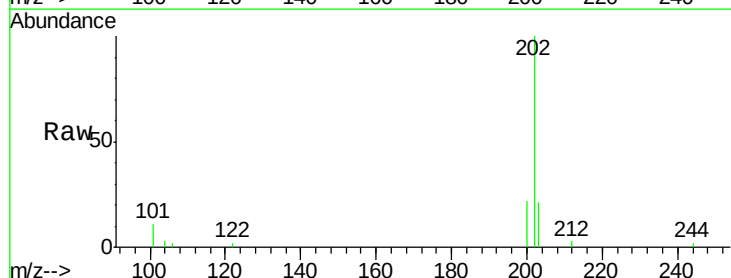
Tgt Ion:202 Resp: 4883

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.4

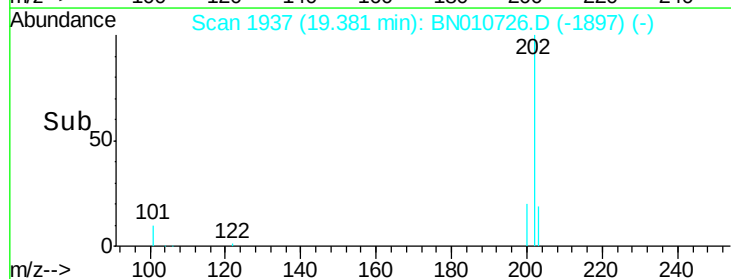
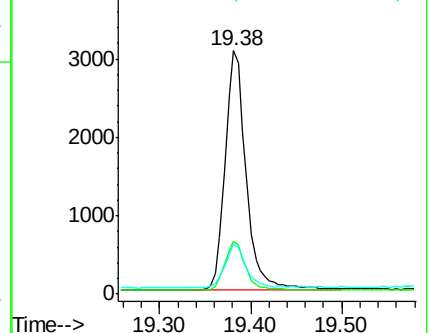
203 18.5 14.1 21.1

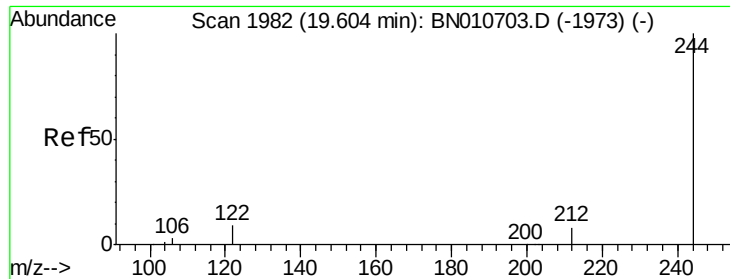


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.28 ng

RT: 19.60 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

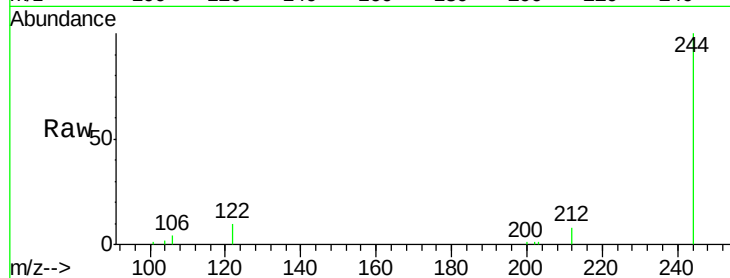
Tgt Ion:244 Resp: 12138

Ion Ratio Lower Upper

244 100

212 8.4 6.8 10.2

122 9.8 8.1 12.1

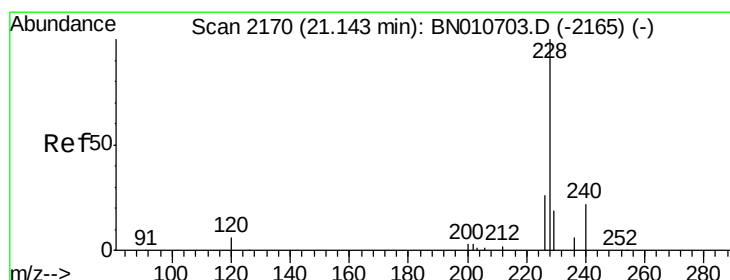
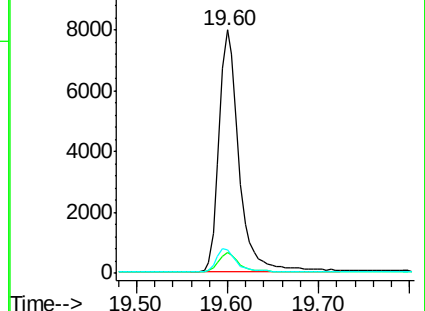
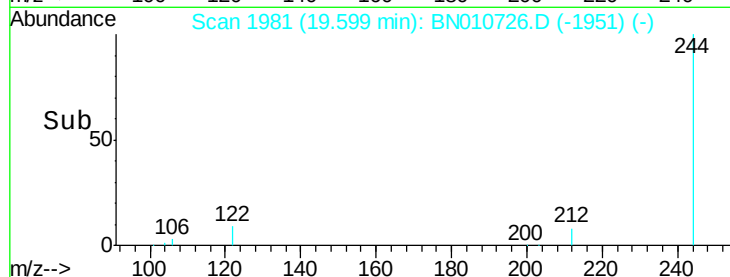


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#30

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

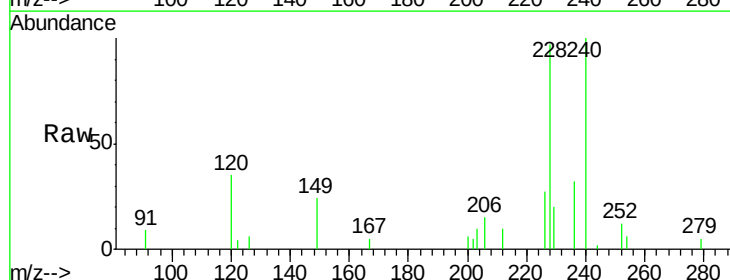
Tgt Ion:228 Resp: 4104

Ion Ratio Lower Upper

228 100

226 28.2 21.3 31.9

229 21.0 16.0 24.0

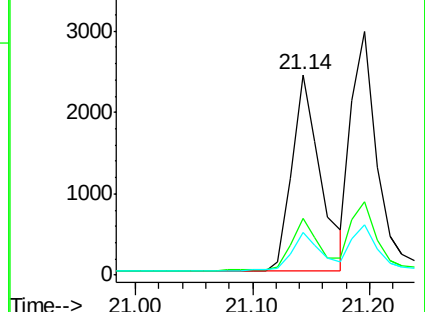
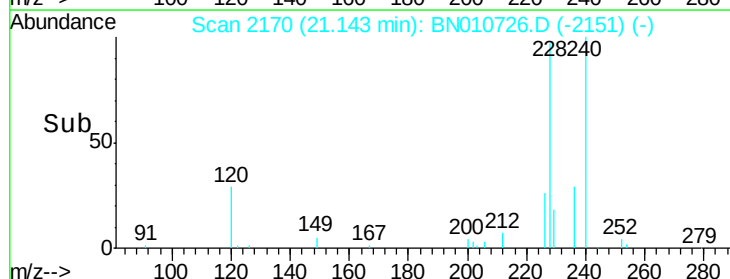


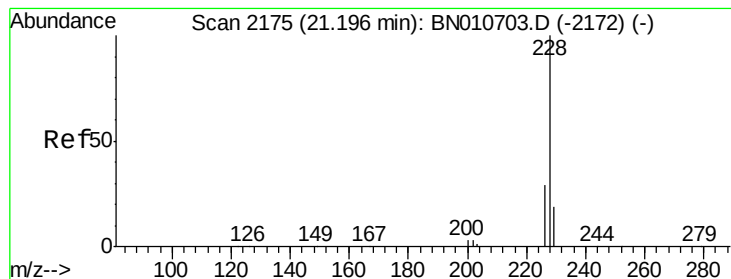
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#31

Chrysene

Concen: 0.07 ng

RT: 21.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

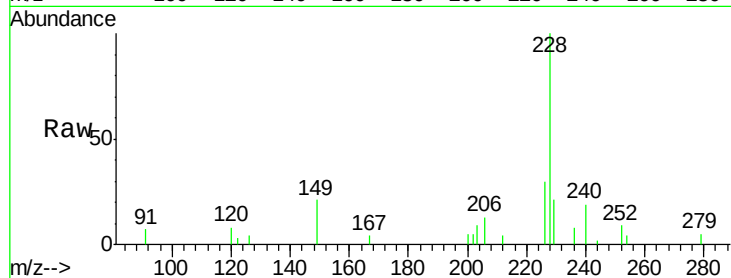
Tgt Ion:228 Resp: 4492

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

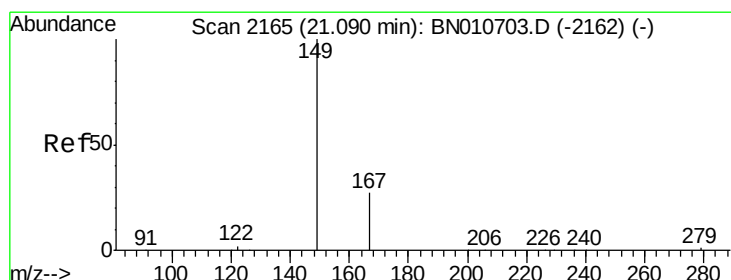
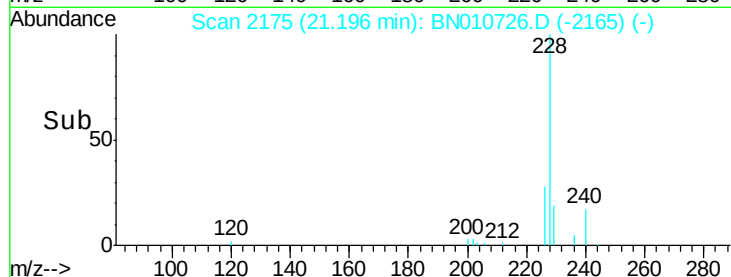
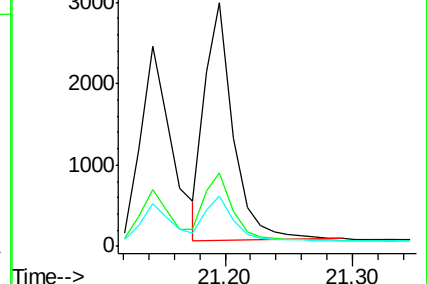
229 20.8 16.1 24.1



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: 0.10 ng

RT: 21.09 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

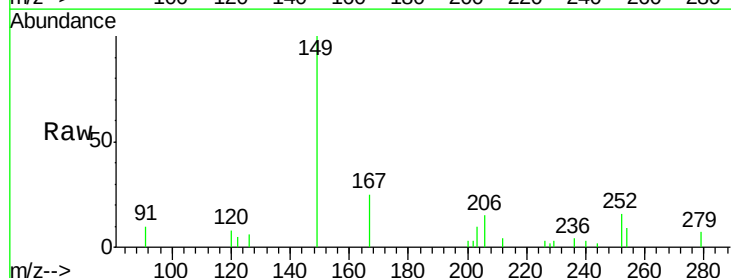
Tgt Ion:149 Resp: 2393

Ion Ratio Lower Upper

149 100

167 27.8 22.5 33.7

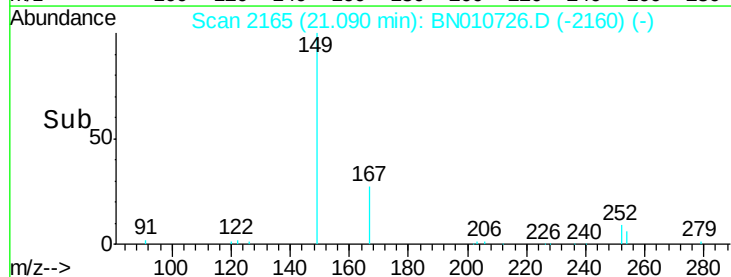
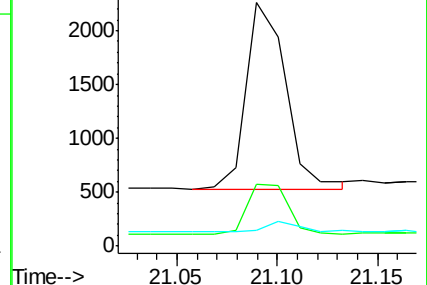
279 5.3 4.1 6.1

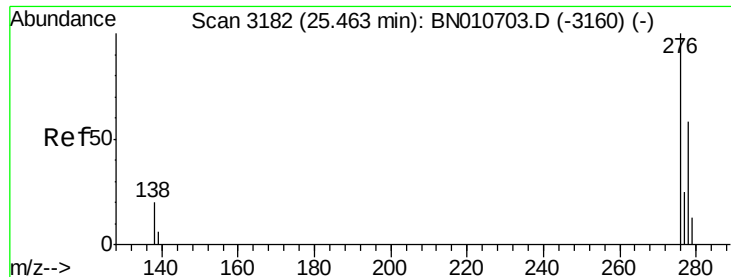


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.07 ng

RT: 25.48 min Scan# 3186

Delta R.T. 0.02 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

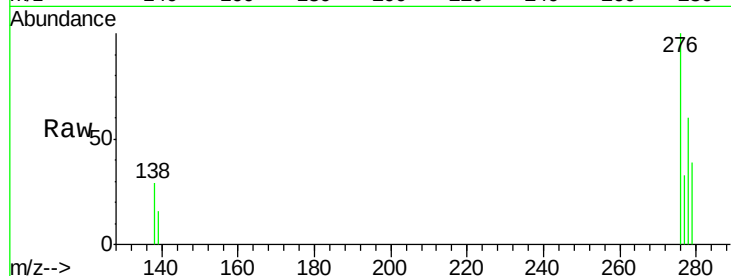
Tgt Ion:276 Resp: 3702

Ion Ratio Lower Upper

276 100

138 18.4 15.1 22.7

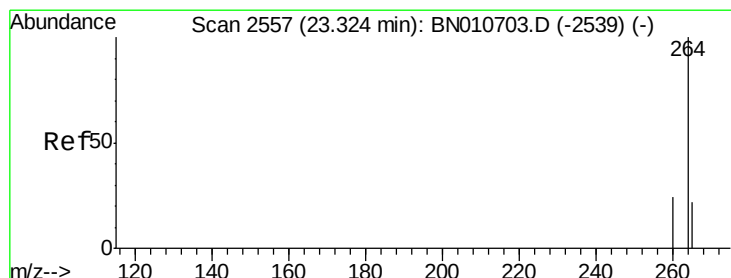
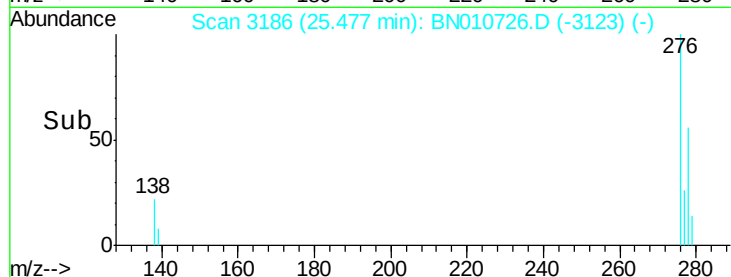
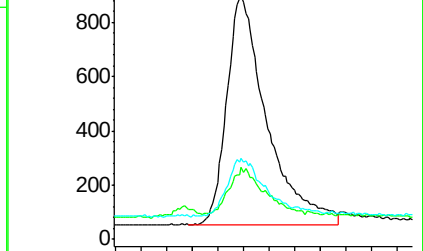
277 22.9 19.4 29.0



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: 0.40 ng

RT: 23.32 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

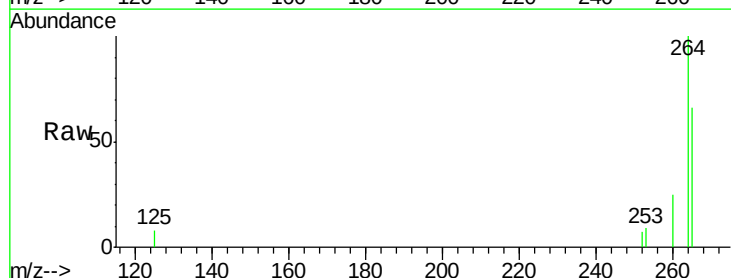
Tgt Ion:264 Resp: 17135

Ion Ratio Lower Upper

264 100

260 24.9 19.6 29.4

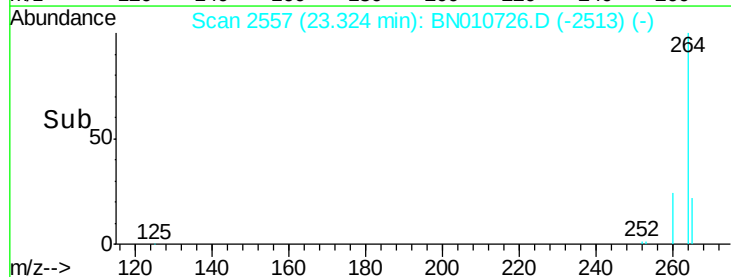
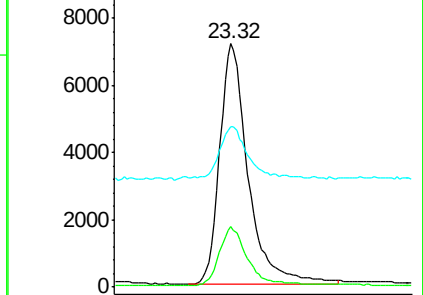
265 66.1 70.1 105.1#

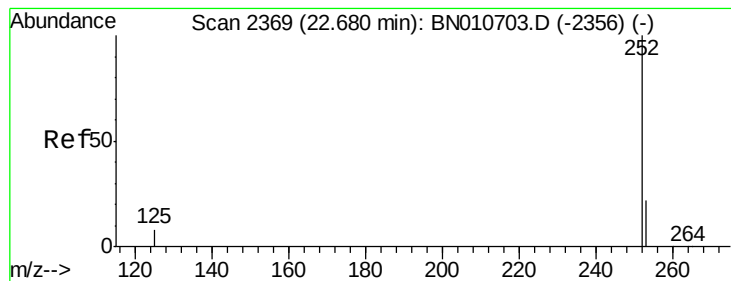


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.07 ng

RT: 22.68 min Scan# 2370

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

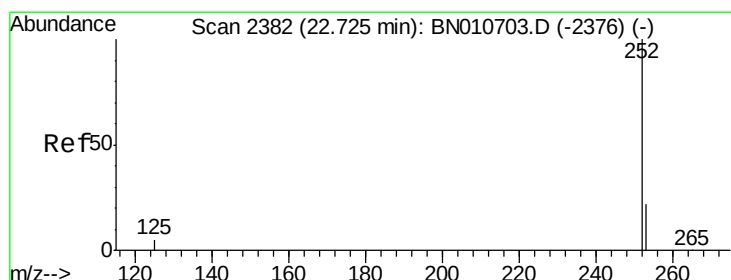
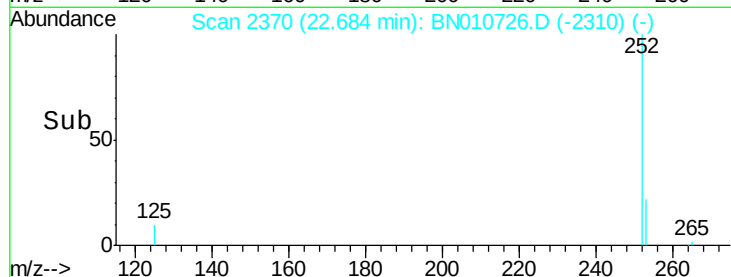
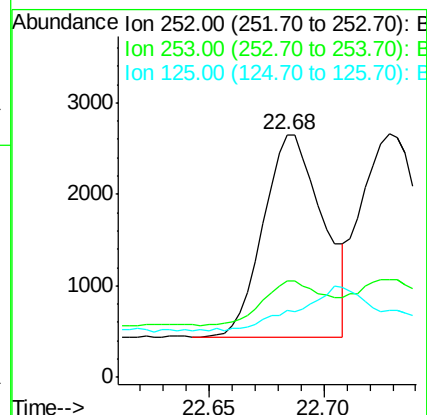
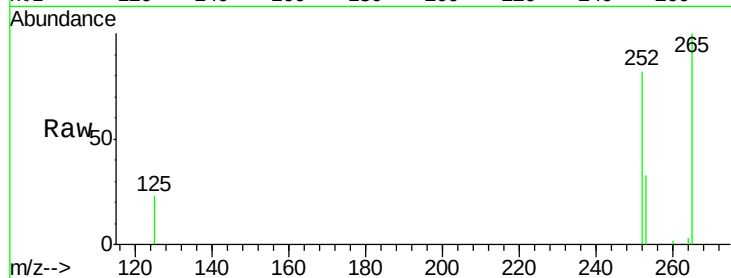
Tgt Ion:252 Resp: 4020

Ion Ratio Lower Upper

252 100

253 39.9 22.0 33.0#

125 27.4 10.8 16.2#



#36

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 22.73 min Scan# 2383

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

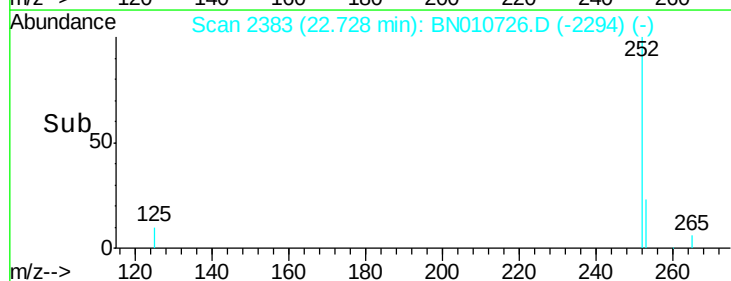
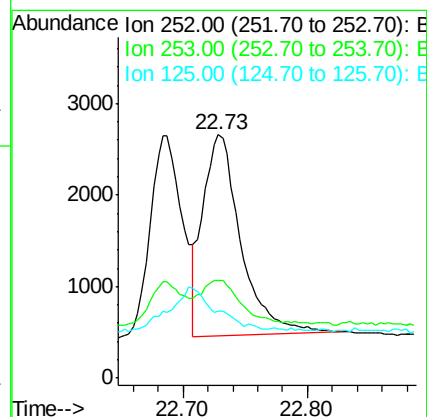
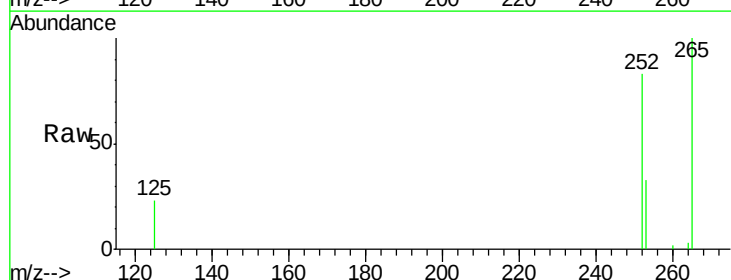
Tgt Ion:252 Resp: 4621

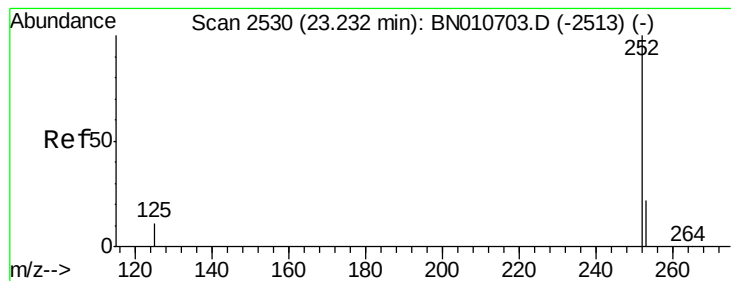
Ion Ratio Lower Upper

252 100

253 40.4 21.9 32.9#

125 27.7 11.1 16.7#





#37

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020

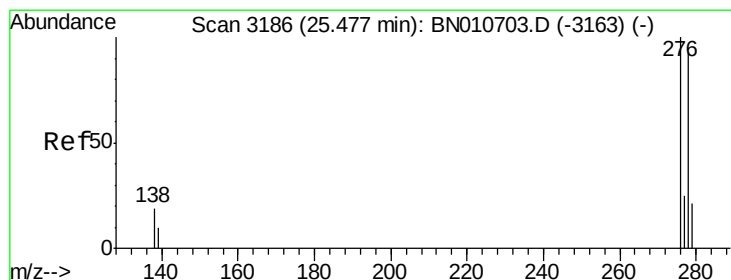
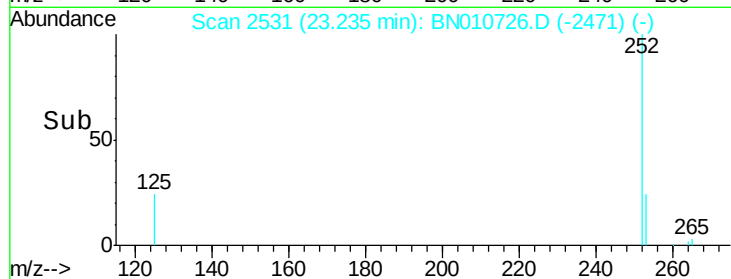
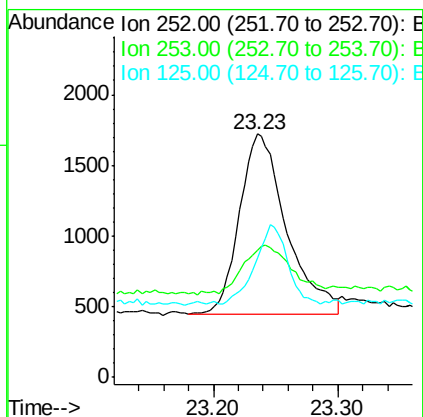
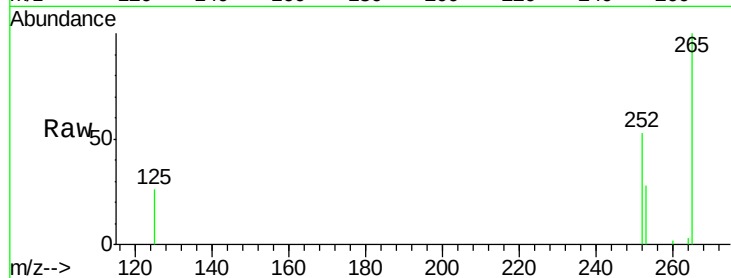
Tgt Ion:252 Resp: 3322

Ion Ratio Lower Upper

252 100

253 52.2 24.8 37.2#

125 49.0 15.8 23.6#



#38

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 25.49 min Scan# 3191

Delta R.T. 0.02 min

Lab File: BN010726.D

Acq: 15 May 2020 11:50

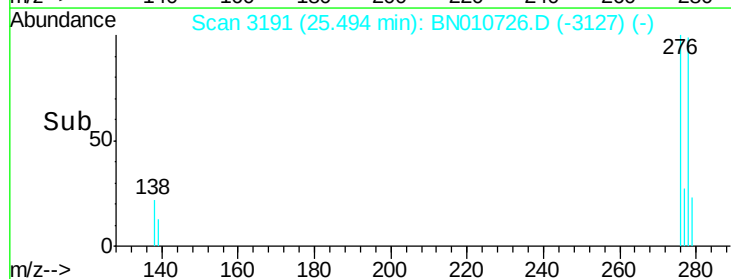
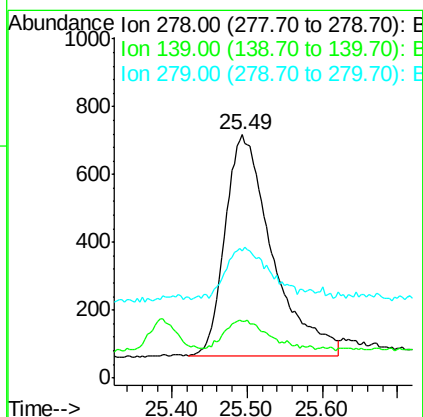
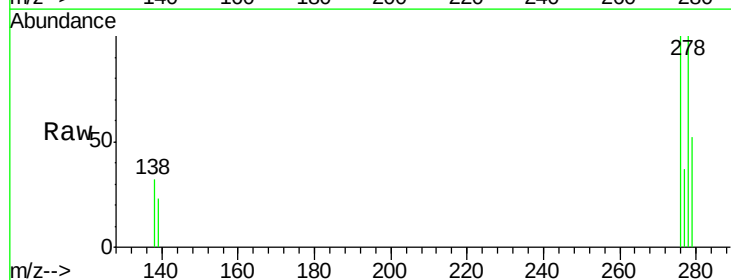
Tgt Ion:278 Resp: 2796

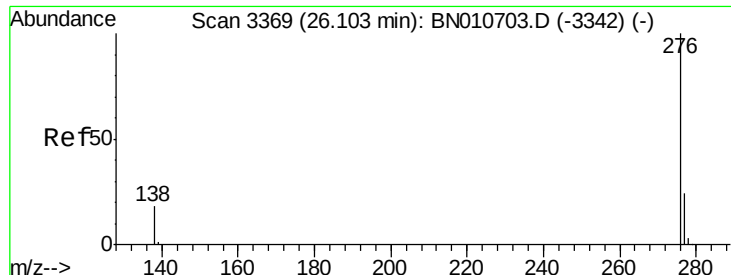
Ion Ratio Lower Upper

278 100

139 23.4 13.0 19.4#

279 52.4 25.1 37.7#





#39

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 26.11 min Scan# 3372

Delta R.T. 0.02 min

Lab File: BN010726.D

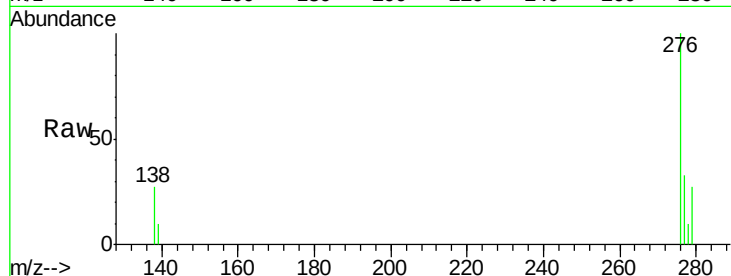
Acq: 15 May 2020 11:50

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2020



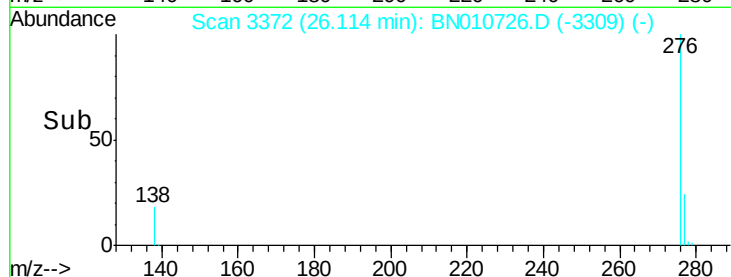
Tgt Ion: 276 Resp: 3454

Ion Ratio Lower Upper

276 100

277 32.9 20.6 30.8#

138 26.6 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

