

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070620\
 Data File : BN011101.D
 Acq On : 06 Jul 2020 11:12
 Operator : CG/JU
 Sample : L1955-05
 Misc : MDL-SOIL-05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

Quant Time: Jul 06 12:33:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1902	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	6082	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	3167	0.40	ng	0.01
19) Phenanthrene-d10	16.90	188	6503	0.40	ng	0.01
29) Chrysene-d12	21.11	240	5413	0.40	ng	0.01
36) Perylene-d12	23.25	264	6177	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	1725	0.36	ng	0.00
5) Phenol-d6	6.73	99	1746	0.32	ng	0.00
8) Nitrobenzene-d5	8.67	82	1713	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	11.87	152	3261	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	445	0.33	ng	0.01
15) 2-Fluorobiphenyl	12.76	172	4334	0.29	ng	0.01
27) Fluoranthene-d10	18.94	212	6444	0.33	ng	0.00
31) Terphenyl-d14	19.55	244	4929	0.35	ng	0.00

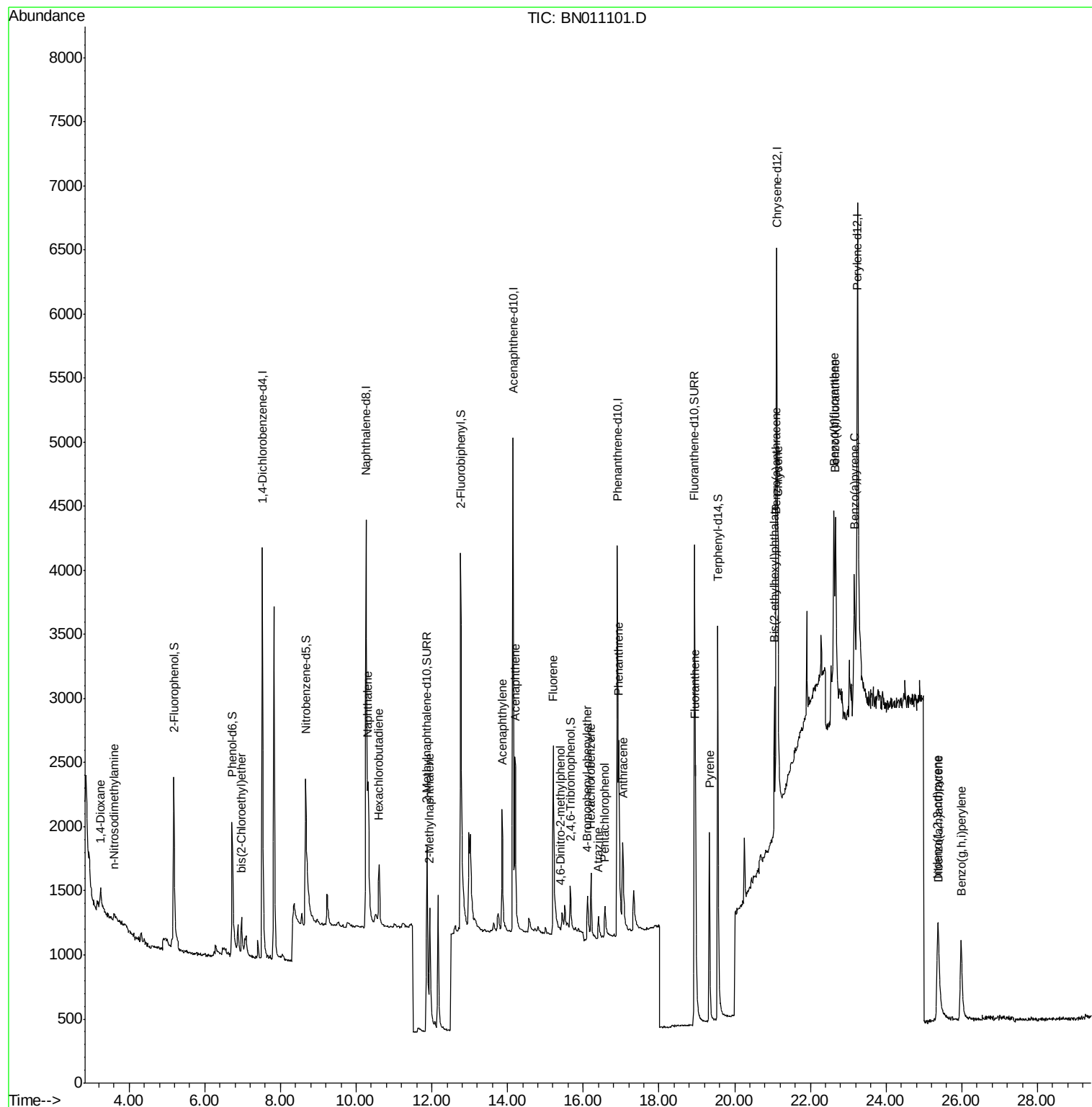
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	209	0.078	ng	98
3) n-Nitrosodimethylamine	3.61	42	99m	0.073	ng	
6) bis(2-Chloroethyl)ether	6.97	93	425	0.086	ng	89
9) Naphthalene	10.32	128	1582	0.087	ng	# 89
10) Hexachlorobutadiene	10.61	225	390	0.085	ng	# 98
12) 2-Methylnaphthalene	11.94	142	999	0.082	ng	# 91
16) Acenaphthylene	13.85	152	1463	0.092	ng	99
17) Acenaphthene	14.21	154	890	0.083	ng	99
18) Fluorene	15.21	166	1076	0.080	ng	99
20) 4,6-Dinitro-2-methylphenol	15.39	198	37	0.053	ng	# 47
21) 4-Bromophenyl-phenylether	16.11	248	296	0.068	ng	96
22) Hexachlorobenzene	16.20	284	423	0.083	ng	99
23) Atrazine	16.40	200	268	0.088	ng	# 73
24) Pentachlorophenol	16.57	266	230	0.168	ng	93
25) Phenanthrene	16.93	178	1652	0.078	ng	98
26) Anthracene	17.04	178	1321	0.076	ng	98
28) Fluoranthene	18.97	202	1881	0.079	ng	98
30) Pyrene	19.33	202	1895	0.094	ng	99
32) Benzo(a)anthracene	21.09	228	1548	0.086	ng	92
33) Chrysene	21.14	228	1848	0.089	ng	94
34) Bis(2-ethylhexyl)phthalate	21.05	149	868	0.119	ng	# 96
35) Indeno(1,2,3-cd)pyrene	25.36	276	1557	0.072	ng	# 84
37) Benzo(b)fluoranthene	22.62	252	1790	0.072	ng	# 63
38) Benzo(k)fluoranthene	22.66	252	2115	0.080	ng	# 58
39) Benzo(a)pyrene	23.16	252	1672	0.078	ng	# 44
40) Dibenzo(a,h)anthracene	25.39	278	1101	0.050	ng	# 36
41) Benzo(g,h,i)perylene	25.99	276	1646	0.068	ng	# 81

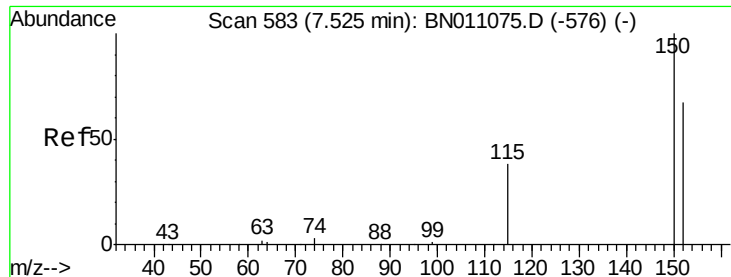
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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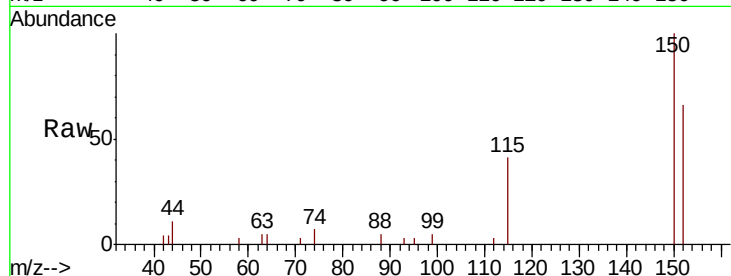


#1

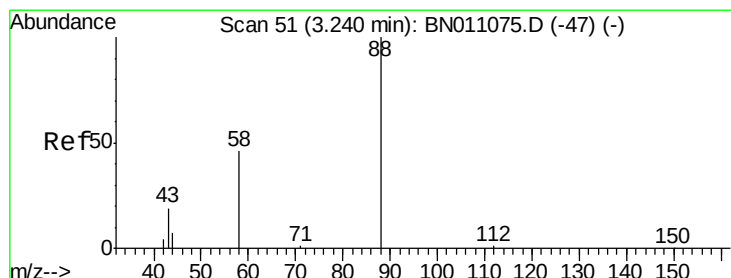
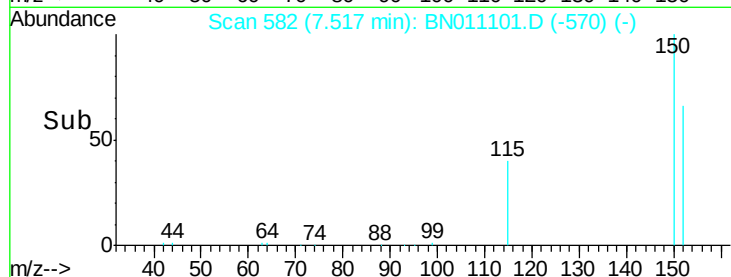
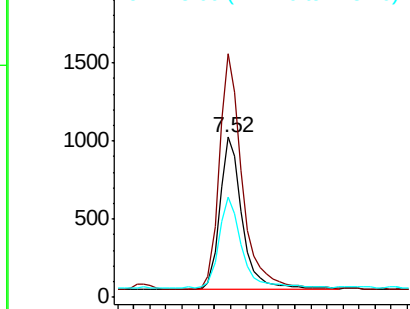
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion:152 Resp: 1902
Ion Ratio Lower Upper
152 100
150 152.2 117.4 176.0
115 63.0 47.9 71.9



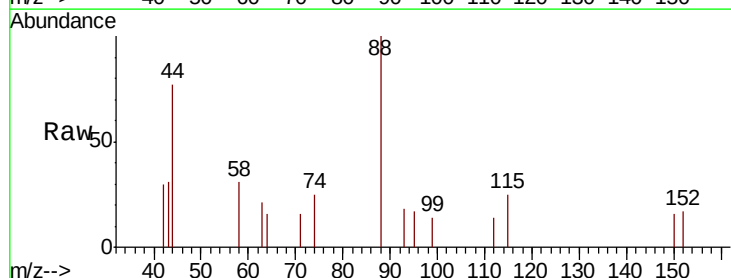
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



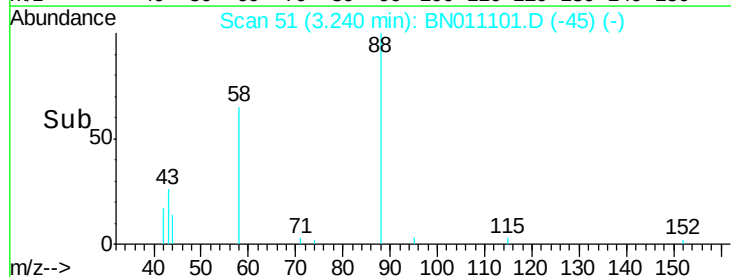
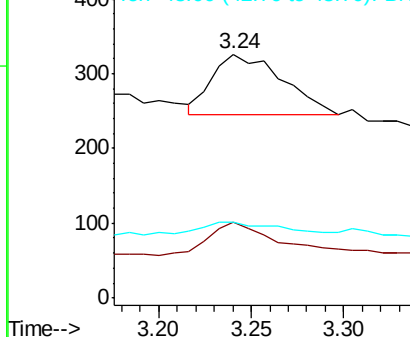
#2

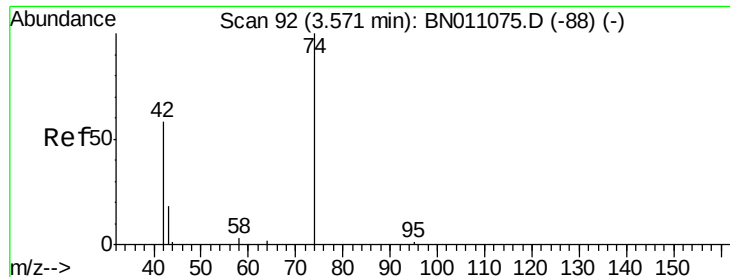
1,4-Dioxane
Concen: 0.078 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
58 46.4 38.6 57.8
43 19.1 15.4 23.0



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



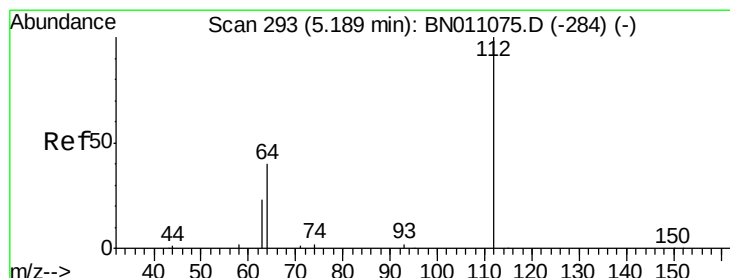
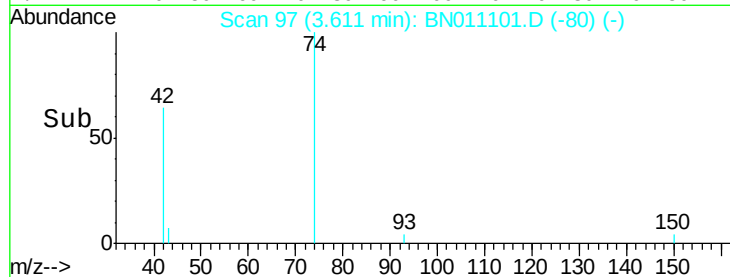
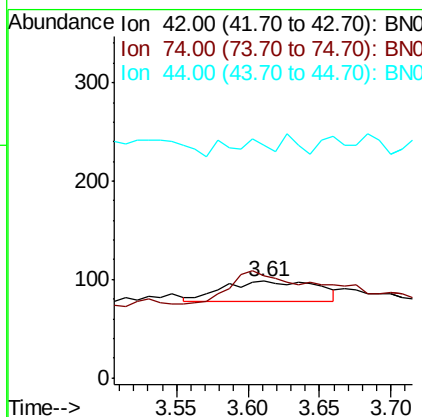
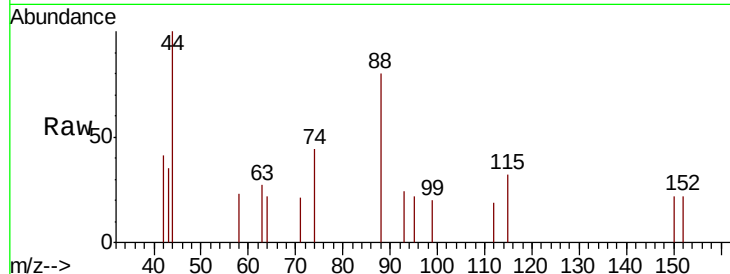


#3

n-Nitrosodimethylamine
 Concen: 0.073 ng/ml
 RT: 3.61 min Scan# 97
 Delta R.T. 0.04 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

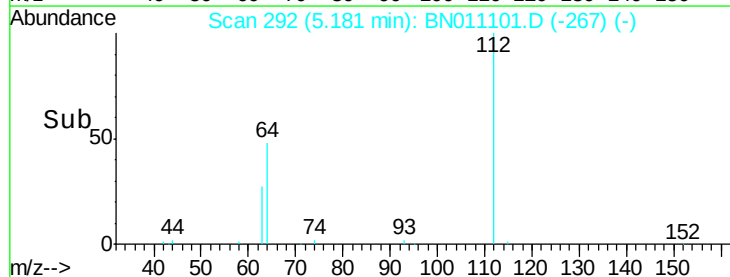
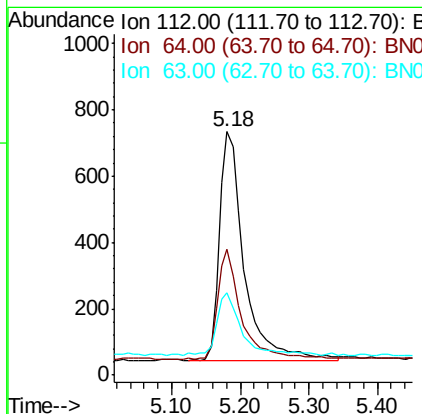
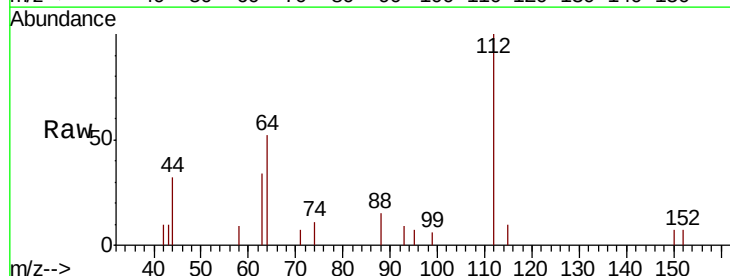
Tot Ion	Ratio	Lower	Upper
42	100		
74	8.1	142.5	213.7#
44	0.0	0.0	0.0

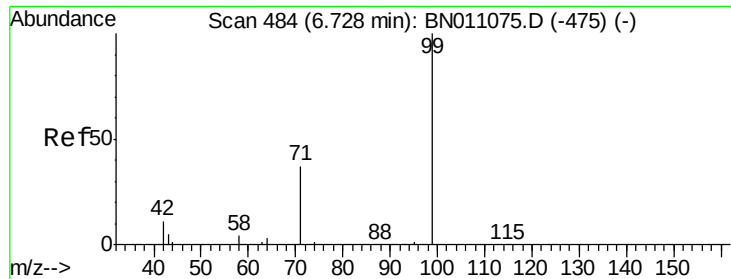


#4

2-Fluorophenol
 Concen: 0.364 ng/ml
 RT: 5.18 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.1	36.5	54.7
63	28.2	20.6	30.8





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

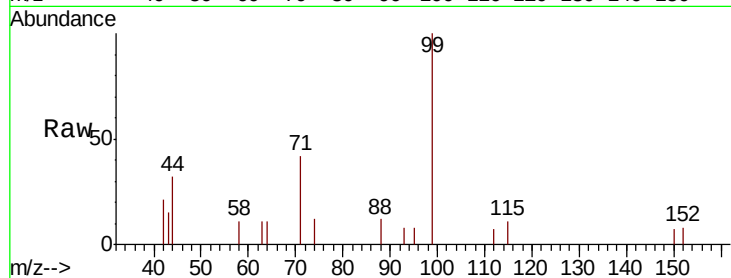
Tot Ion: 99 Resp: 1746

Ion Ratio Lower Upper

99 100

42 13.7 9.8 14.8

71 38.0 30.7 46.1

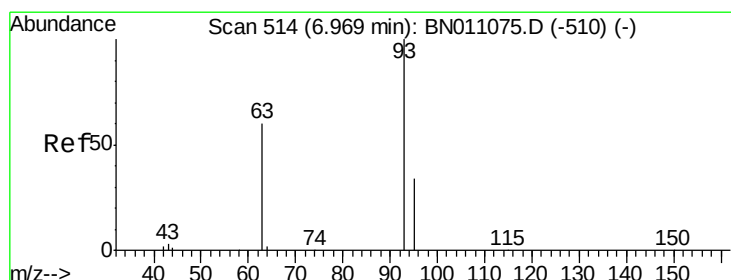
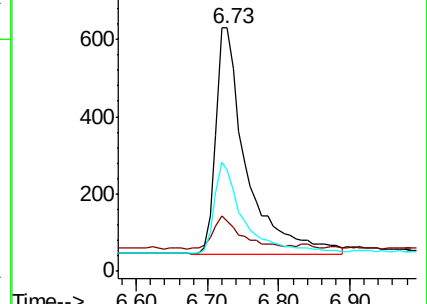
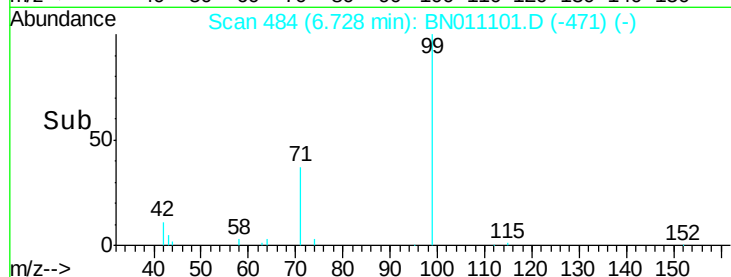


Abundance Ion 99.00 (98.70 to 99.70): BN011075.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011075.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011075.D (-475) (-)

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.086 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

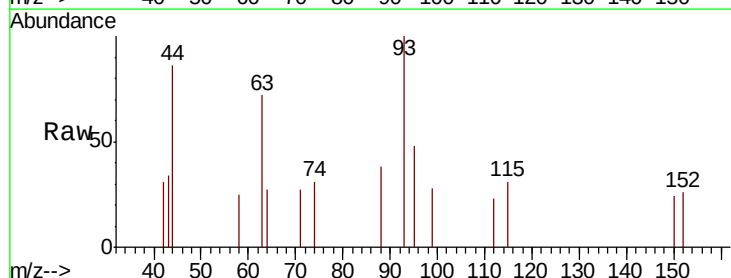
Tgt Ion: 93 Resp: 425

Ion Ratio Lower Upper

93 100

63 49.2 47.4 71.2

95 29.9 26.4 39.6

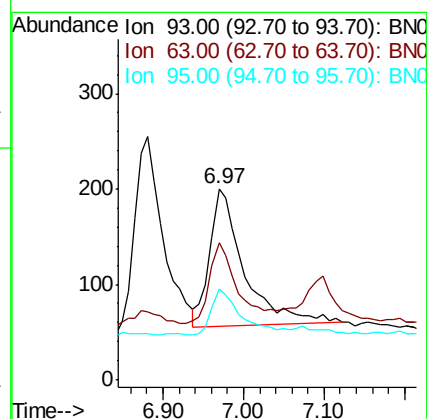
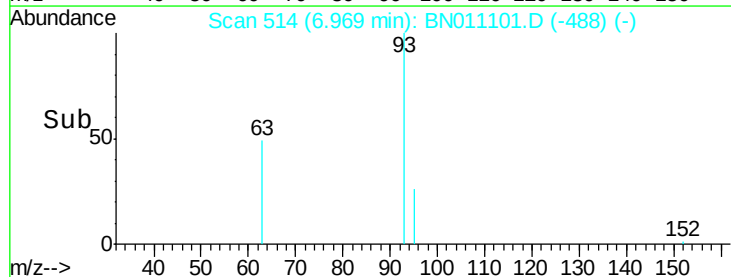


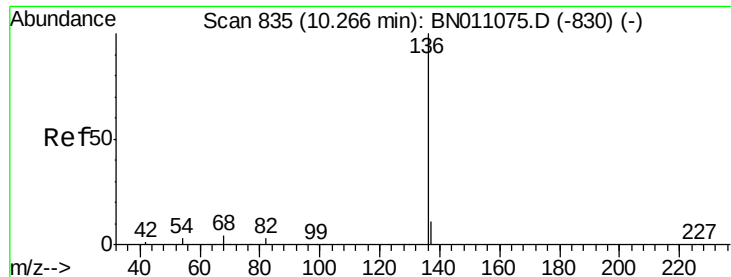
Abundance Ion 93.00 (92.70 to 93.70): BN011075.D (-510) (-)

Ion 63.00 (62.70 to 63.70): BN011075.D (-510) (-)

Ion 95.00 (94.70 to 95.70): BN011075.D (-510) (-)

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

Tot Ion:136 Resp: 6082

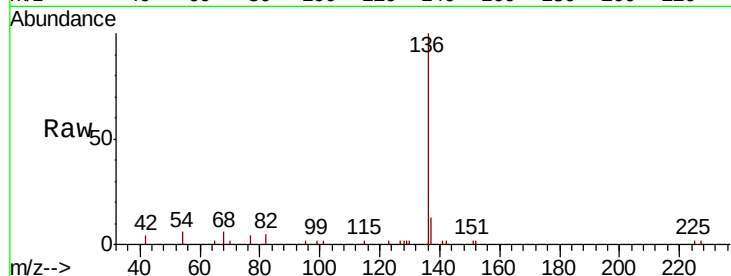
Ion Ratio Lower Upper

136 100

137 12.9 9.6 14.4

54 5.7 3.8 5.6#

68 6.2 4.3 6.5

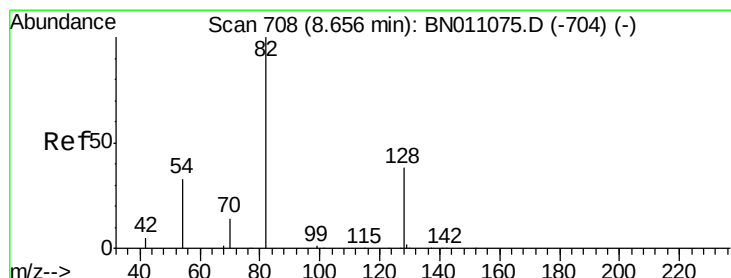
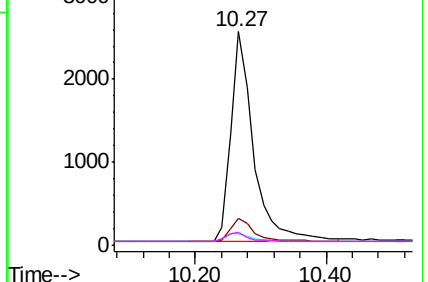
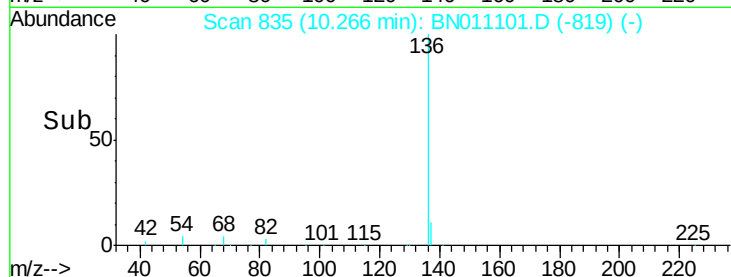


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.331 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

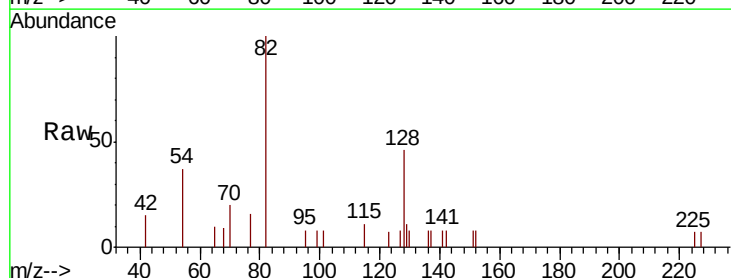
Tgt Ion: 82 Resp: 1713

Ion Ratio Lower Upper

82 100

128 45.8 34.2 51.2

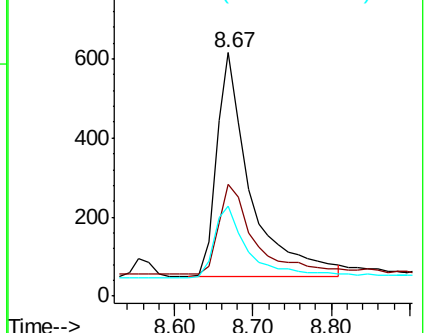
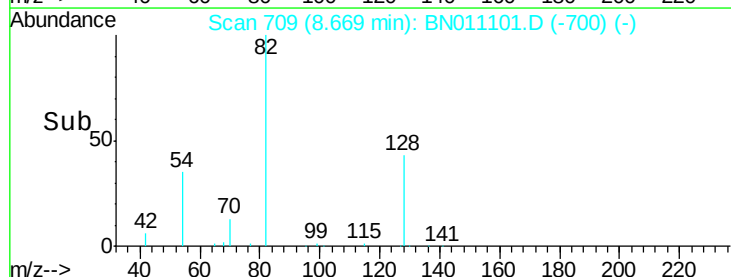
54 37.0 29.4 44.0

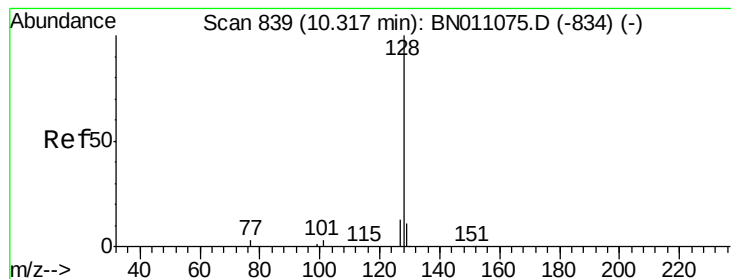


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.087 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

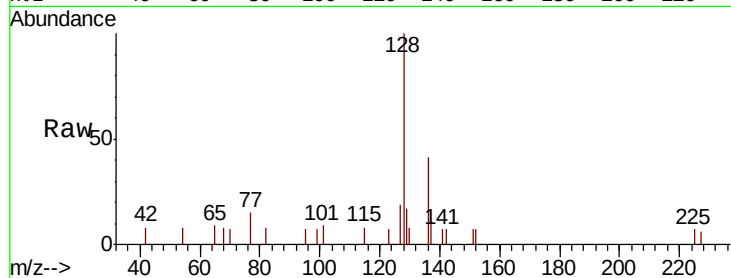
Tot Ion:128 Resp: 1582

Ion Ratio Lower Upper

128 100

129 16.7 9.8 14.8#

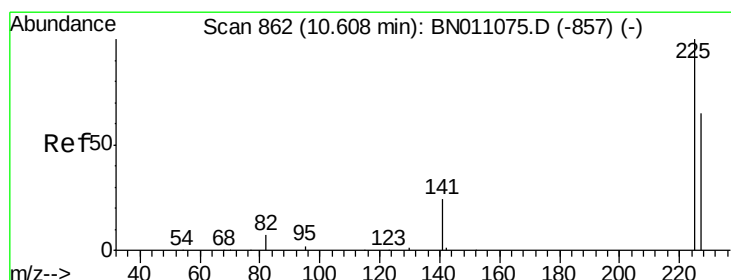
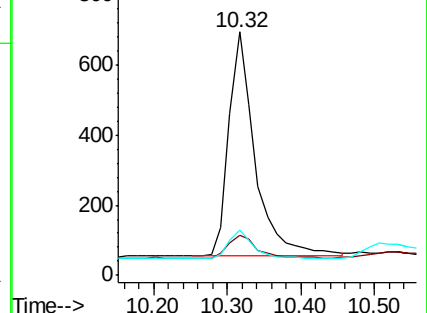
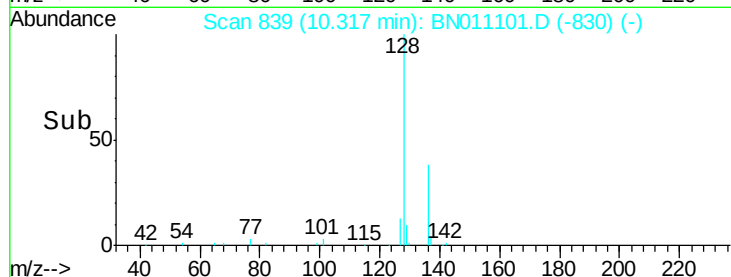
127 18.7 11.3 16.9#



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: 0.085 ng

RT: 10.61 min Scan# 862

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

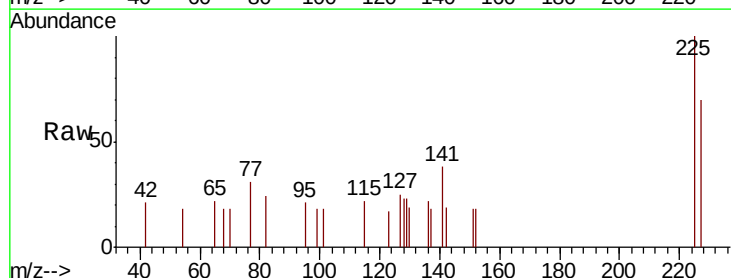
Tgt Ion:225 Resp: 390

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

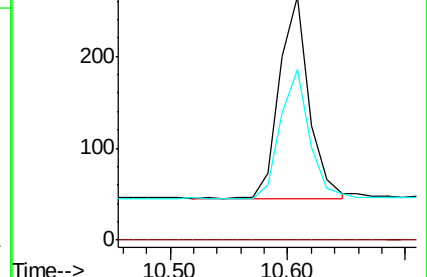
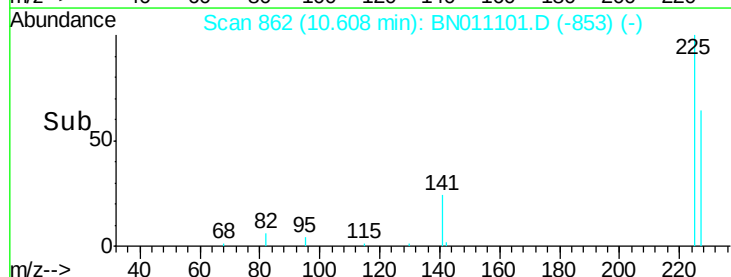
227 62.8 51.4 77.2

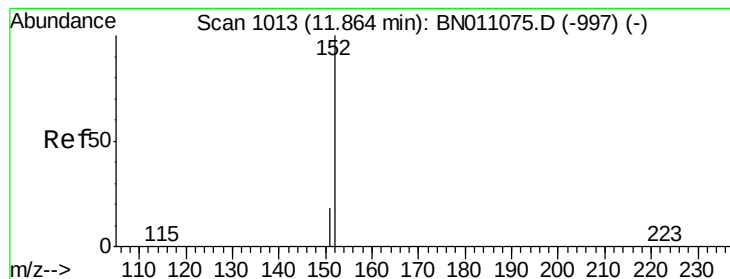


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.310 ng

RT: 11.87 min Scan# 1014

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

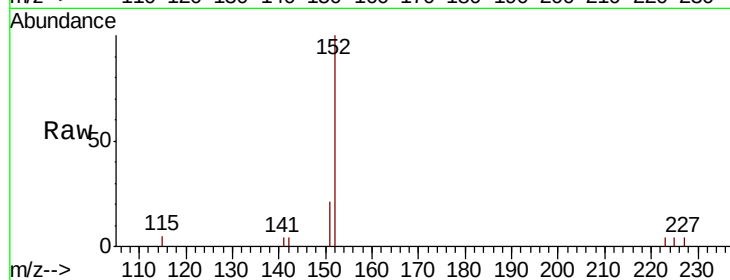
MDL-SOIL-05

Tot Ion:152 Resp: 3261

Ion Ratio Lower Upper

152 100

151 19.3 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.87

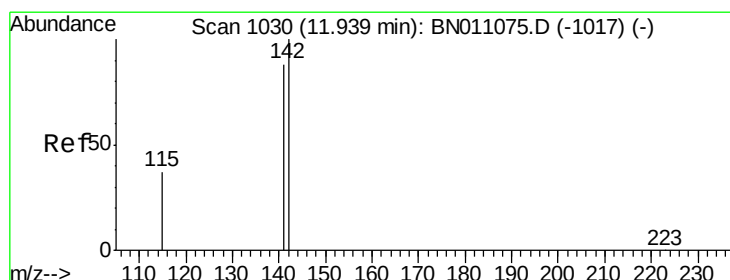
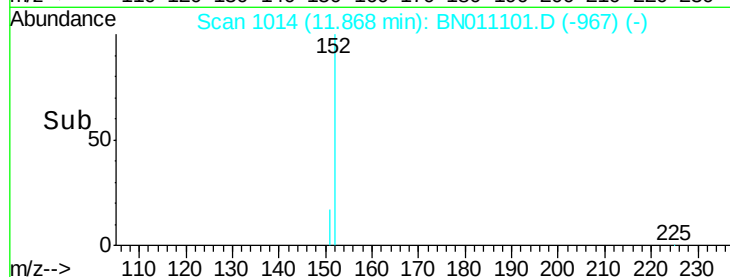
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.082 ng

RT: 11.94 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

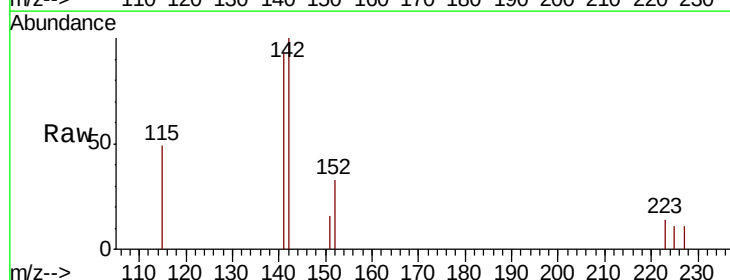
Tgt Ion:142 Resp: 999

Ion Ratio Lower Upper

142 100

141 92.8 70.3 105.5

115 48.7 31.2 46.8#



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

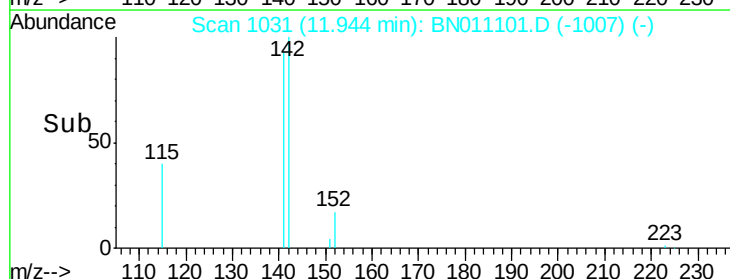
600

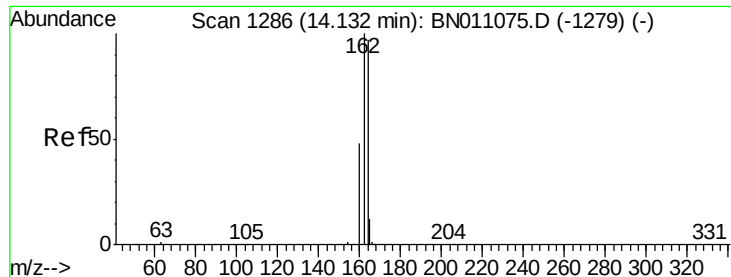
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

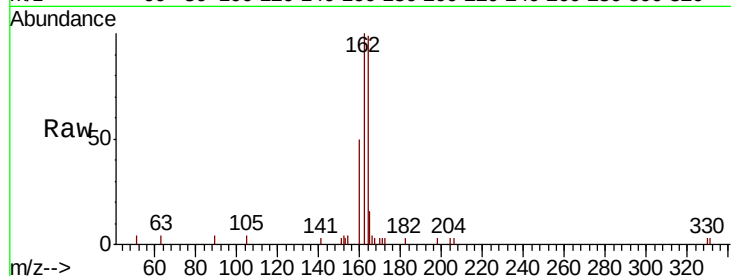
Tot Ion:164 Resp: 3167

Ion Ratio Lower Upper

164 100

162 101.1 82.3 123.5

160 50.3 40.6 61.0



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

14.14

1500

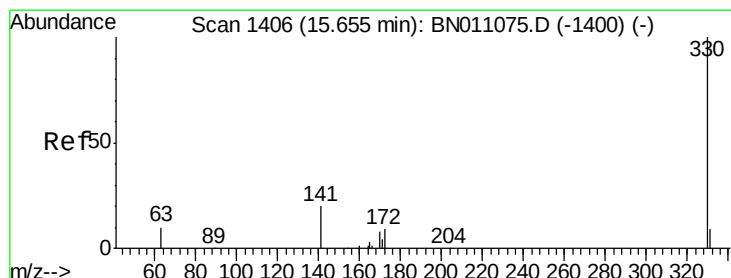
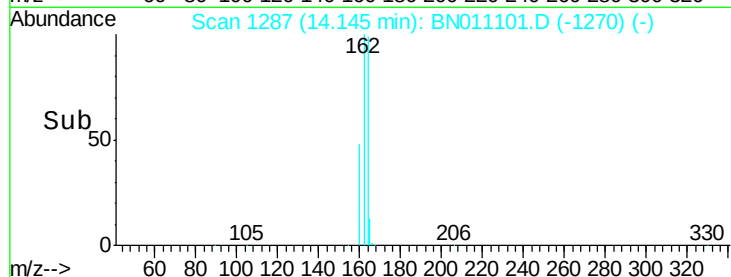
1000

500

0

Time-->

14.00 14.10 14.20 14.30



#14

2,4,6-Tribromophenol

Concen: 0.335 ng

RT: 15.65 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

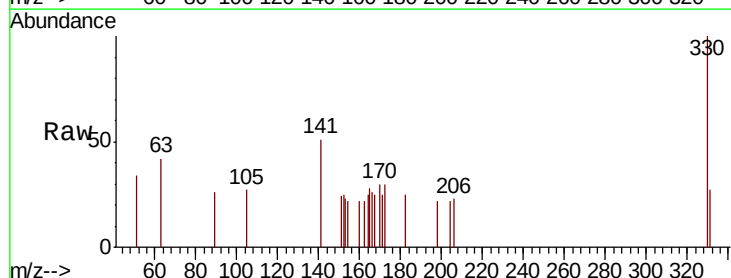
Tgt Ion:330 Resp: 445

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 37.3 32.6 49.0



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

15.65

250

200

150

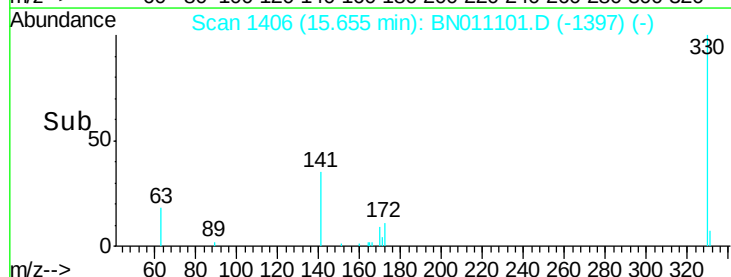
100

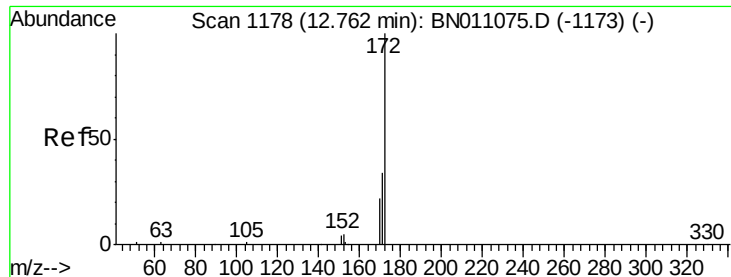
50

0

Time-->

15.60 15.80

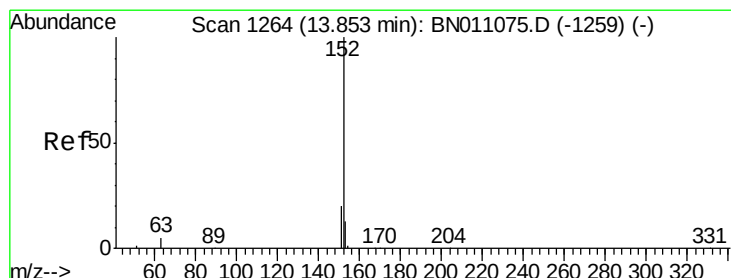
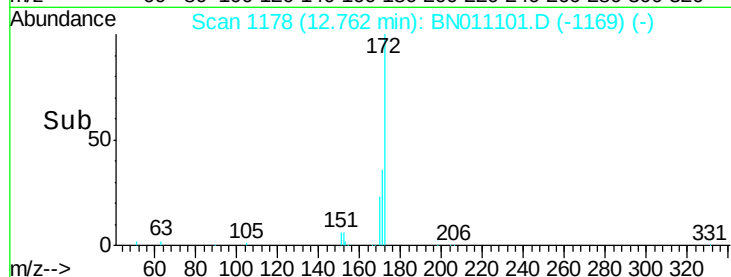
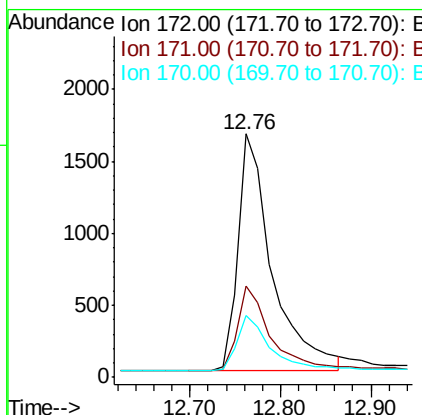
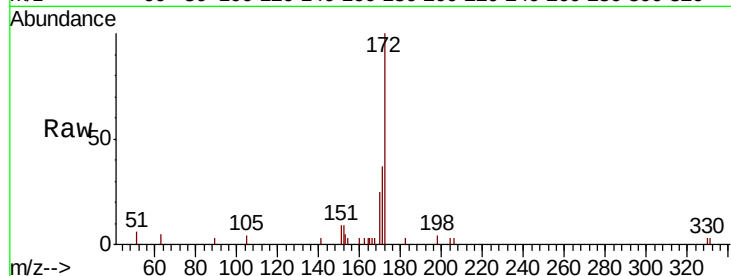




#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

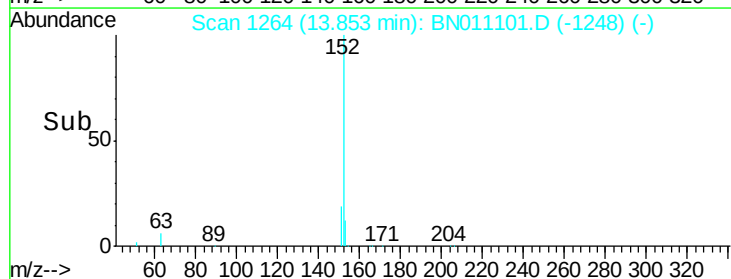
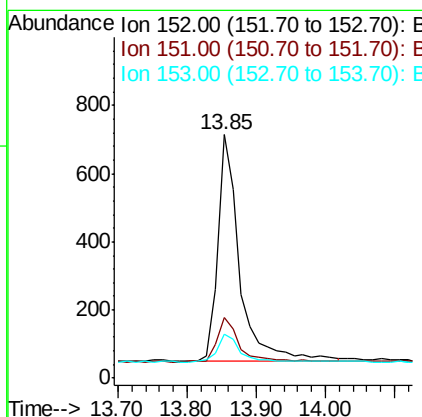
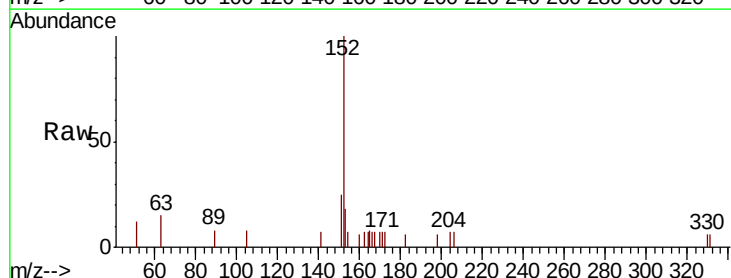
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

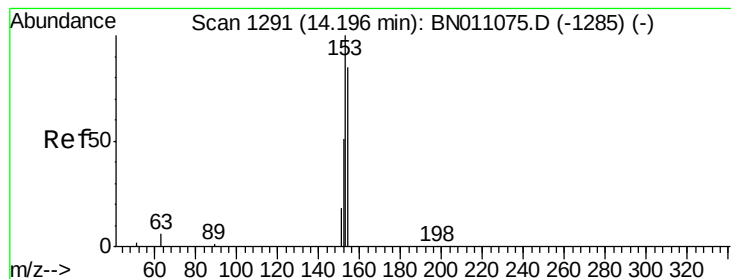
Tot Ion:172 Resp: 4334
Ion Ratio Lower Upper
172 100
171 37.3 27.9 41.9
170 25.4 18.7 28.1



#16
Acenaphthylene
Concen: 0.092 ng
RT: 13.85 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:152 Resp: 1463
Ion Ratio Lower Upper
152 100
151 20.3 15.8 23.8
153 12.8 10.8 16.2





#17

Acenaphthene

Concen: 0.083 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

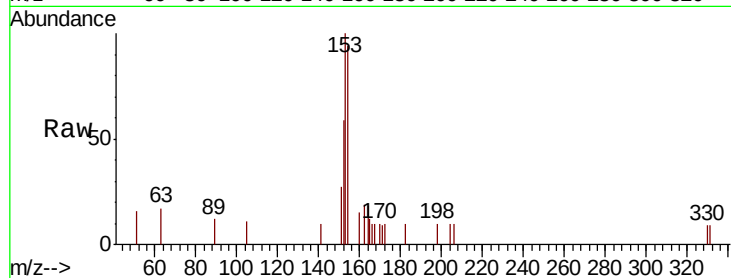
Tot Ion:154 Resp: 890

Ion Ratio Lower Upper

154 100

153 114.2 91.7 137.5

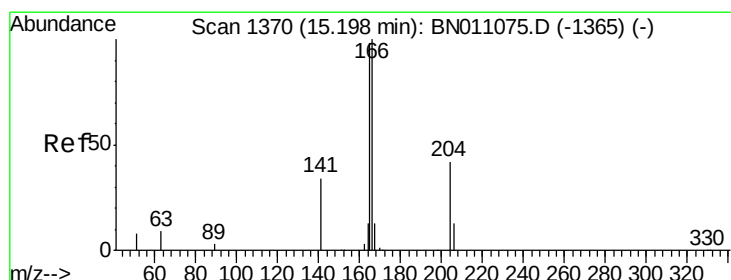
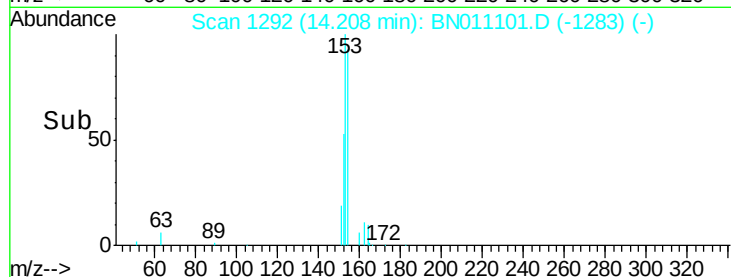
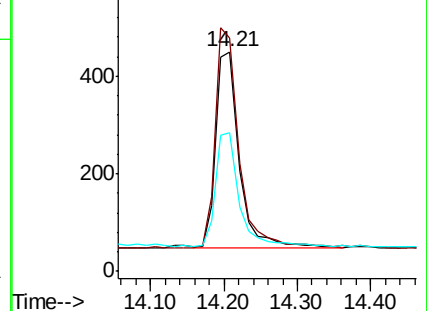
152 57.5 46.8 70.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.080 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

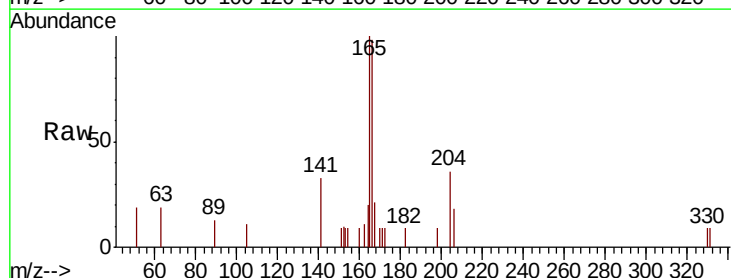
Tgt Ion:166 Resp: 1076

Ion Ratio Lower Upper

166 100

165 99.6 78.9 118.3

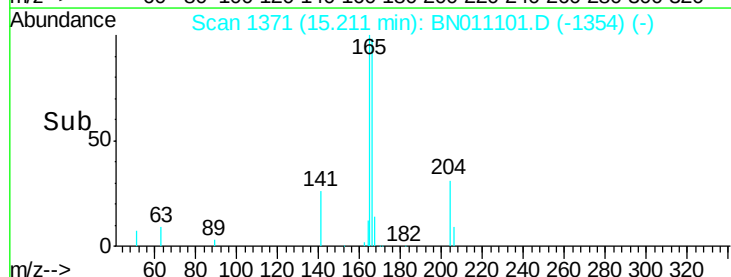
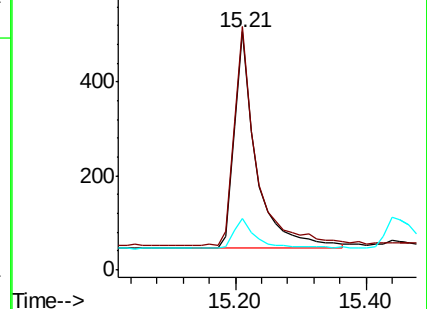
167 14.5 10.9 16.3

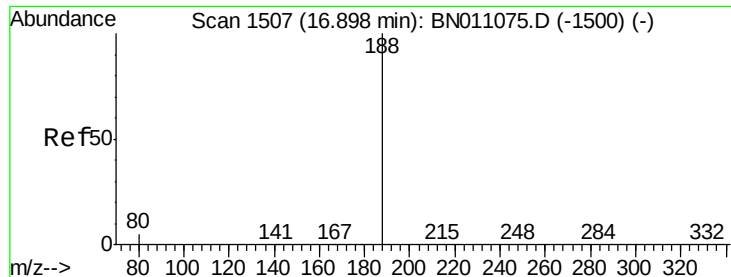


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

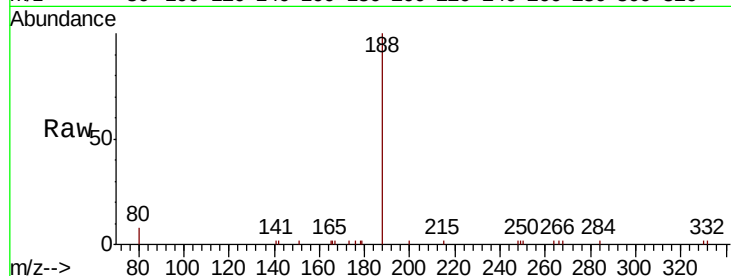
Tot Ion:188 Resp: 6503

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

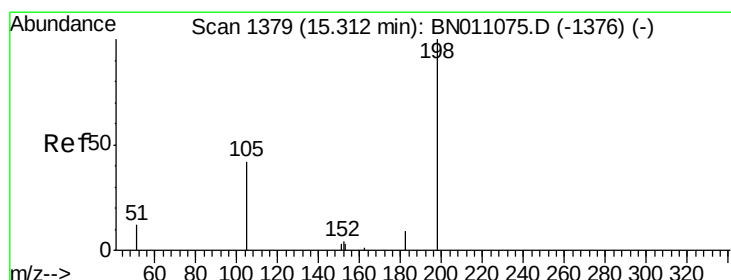
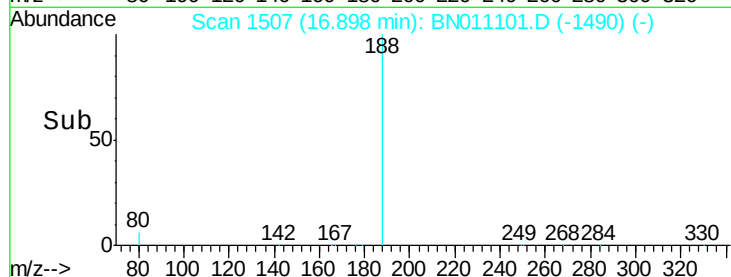
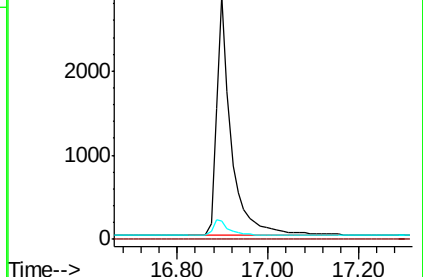
80 7.7 5.3 7.9



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

4,6-Dinitro-2-methylphenol

Concen: 0.053 ng

RT: 15.39 min Scan# 1385

Delta R.T. 0.08 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

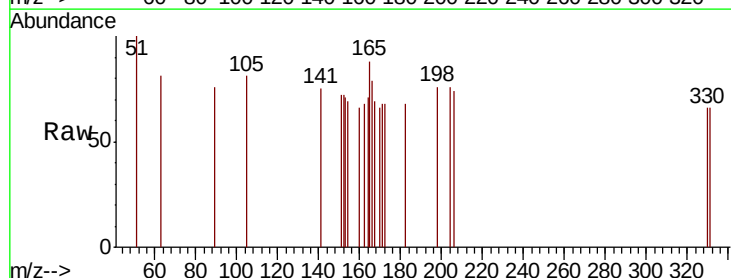
Tgt Ion:198 Resp: 37

Ion Ratio Lower Upper

198 100

51 130.8 58.2 87.4#

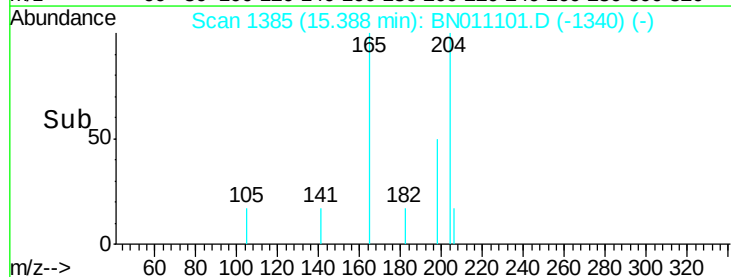
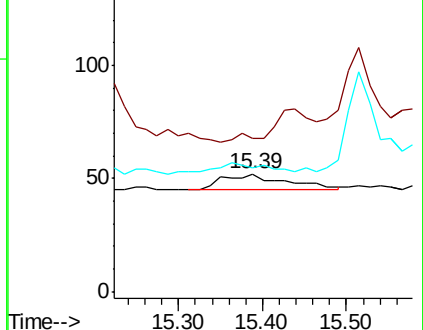
105 105.8 59.0 88.4#

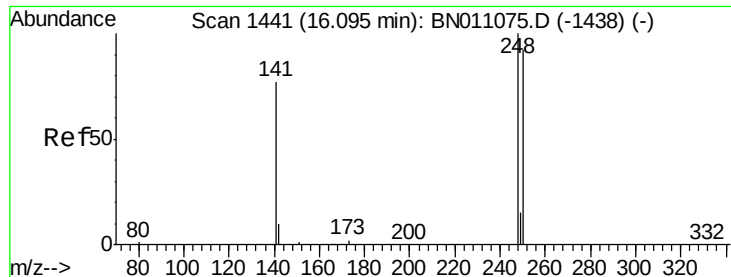


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

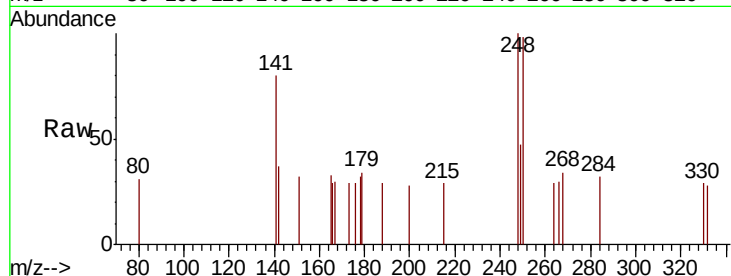




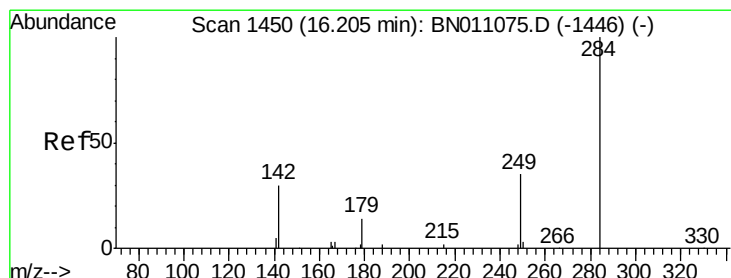
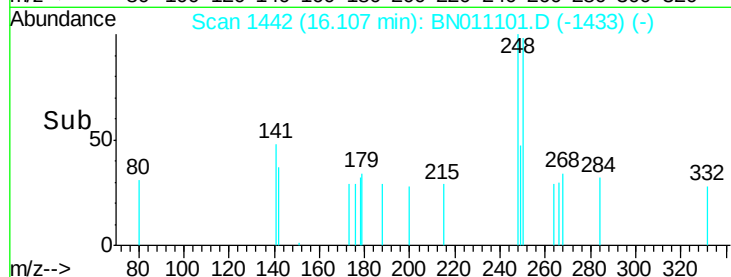
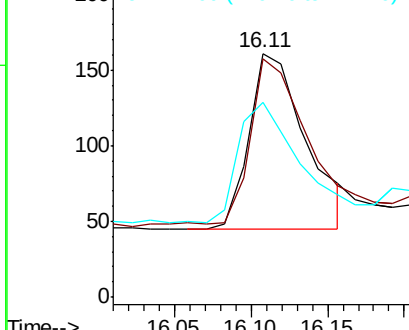
#21
4-Bromophenyl-phenylether
Concen: 0.068 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN01101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion:248 Resp: 296
Ion Ratio Lower Upper
248 100
250 97.5 73.8 110.8
141 80.1 63.1 94.7

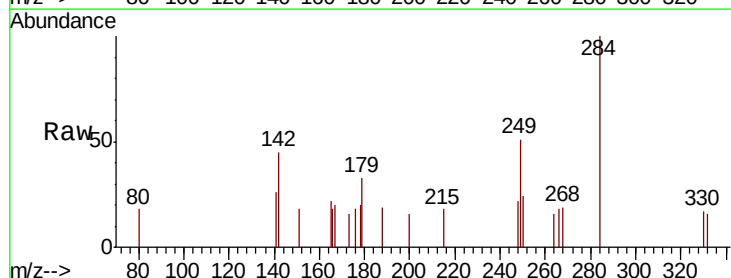


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

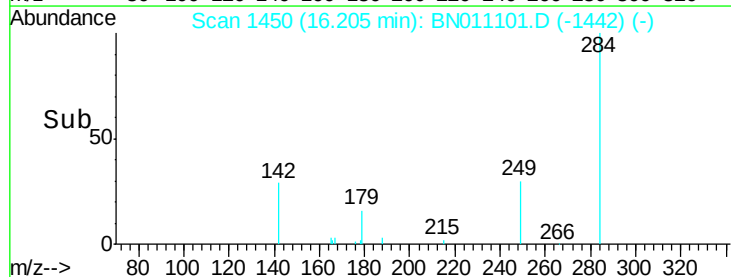
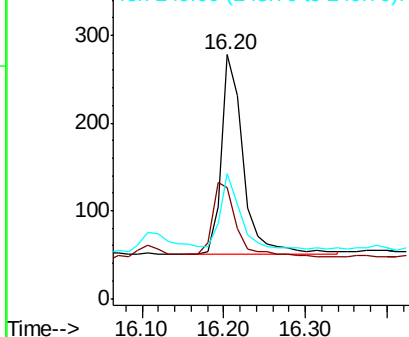


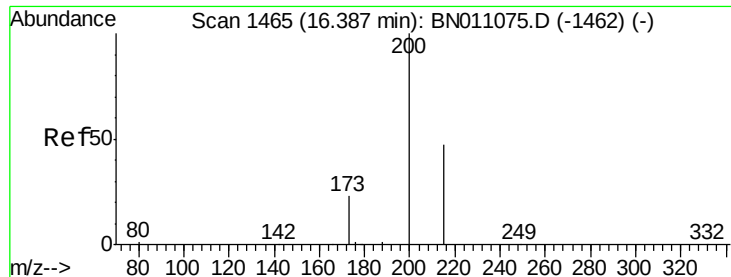
#22
Hexachlorobenzene
Concen: 0.083 ng
RT: 16.20 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BN01101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:284 Resp: 423
Ion Ratio Lower Upper
284 100
142 41.1 33.3 49.9
249 35.0 27.4 41.2



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





#23

Atrazine

Concen: 0.088 ng

RT: 16.40 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

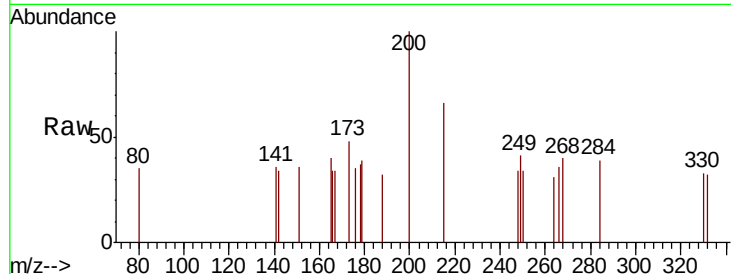
Tot Ion:200 Resp: 268

Ion Ratio Lower Upper

200 100

173 47.9 22.8 34.2#

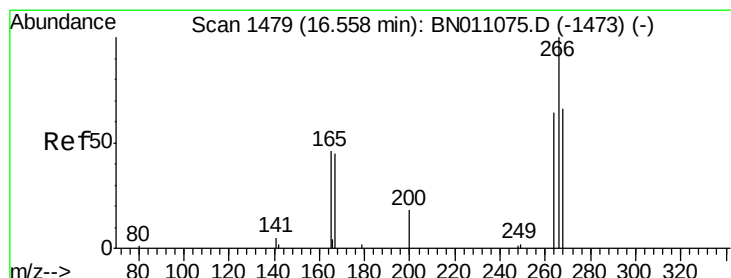
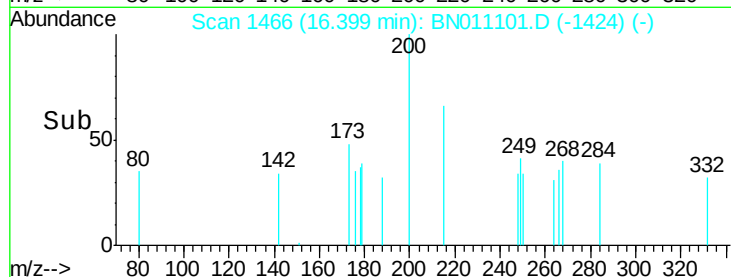
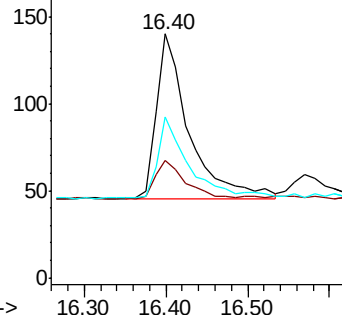
215 65.7 40.7 61.1#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.168 ng

RT: 16.57 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

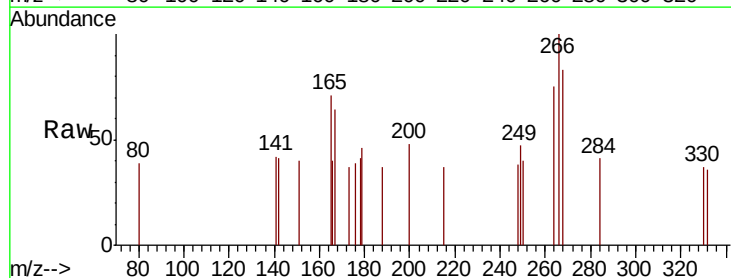
Tgt Ion:266 Resp: 230

Ion Ratio Lower Upper

266 100

264 66.5 47.4 71.0

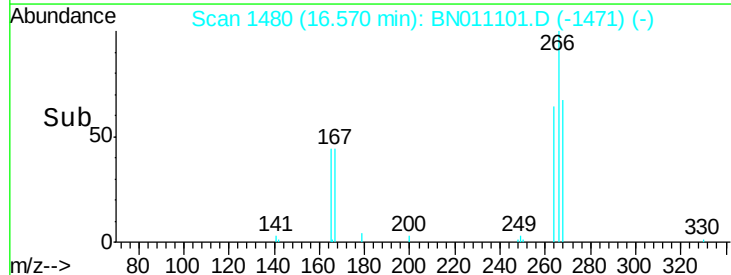
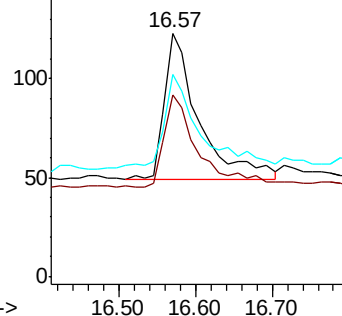
268 65.7 55.0 82.4

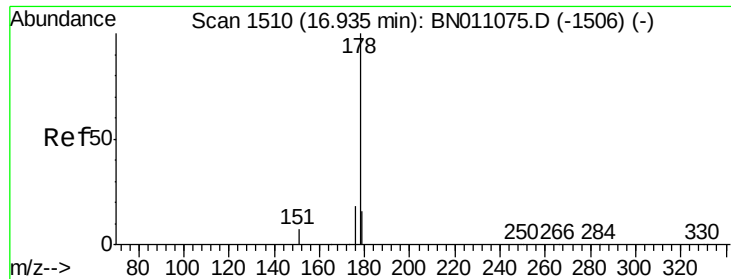


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.078 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

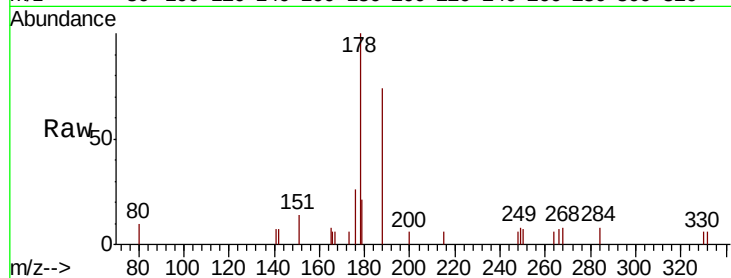
Tot Ion:178 Resp: 1652

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.6

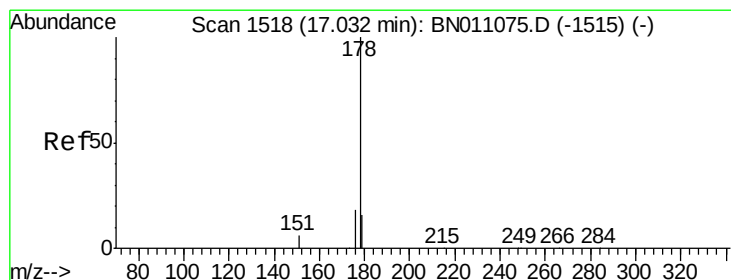
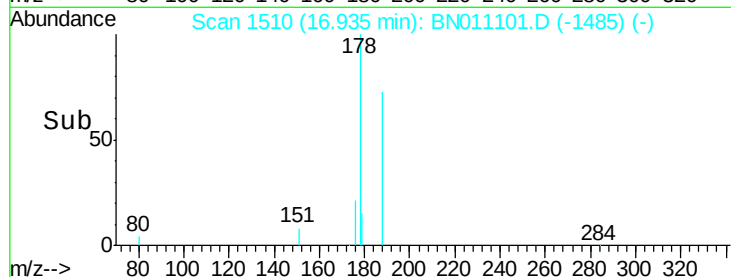
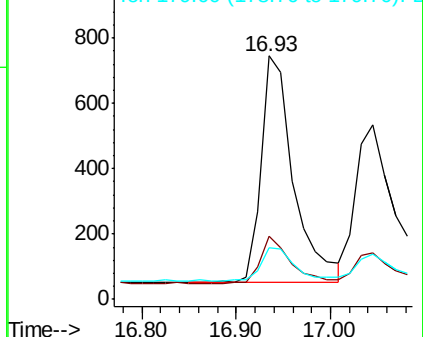
179 15.4 12.5 18.7



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



#26

Anthracene

Concen: 0.076 ng

RT: 17.04 min Scan# 1519

Delta R.T. 0.02 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

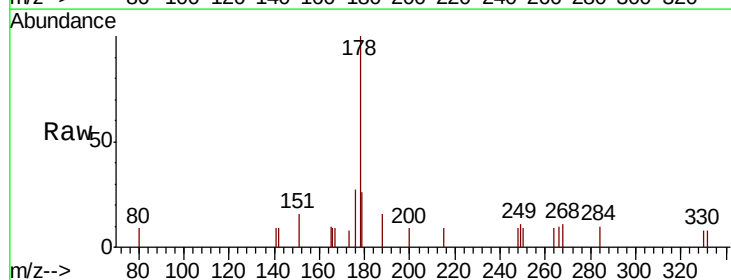
Tgt Ion:178 Resp: 1321

Ion Ratio Lower Upper

178 100

176 17.0 14.2 21.4

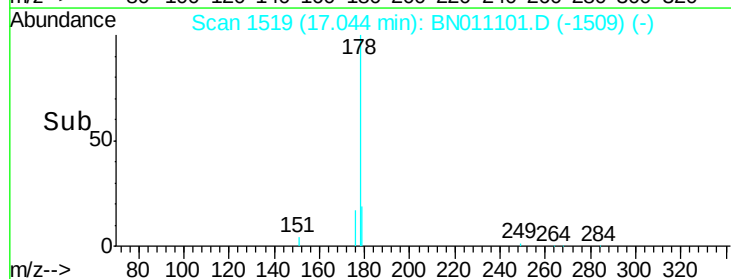
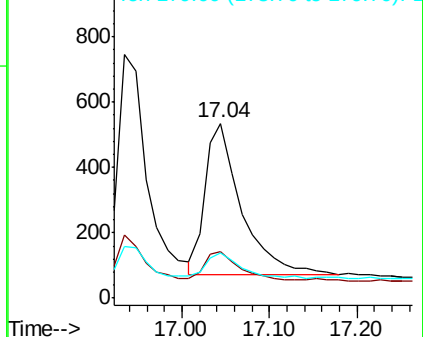
179 16.0 12.2 18.2

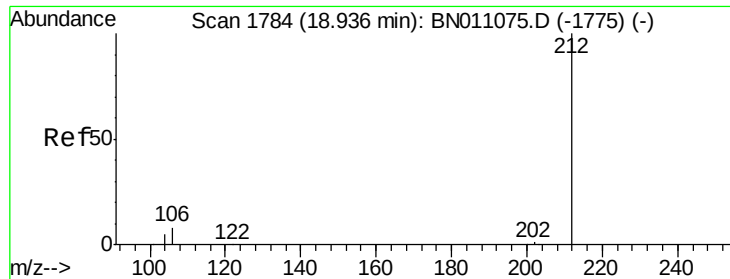


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

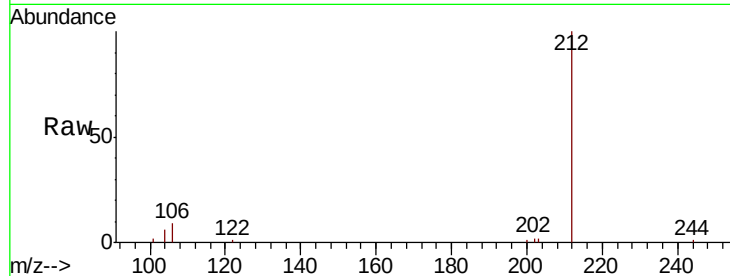




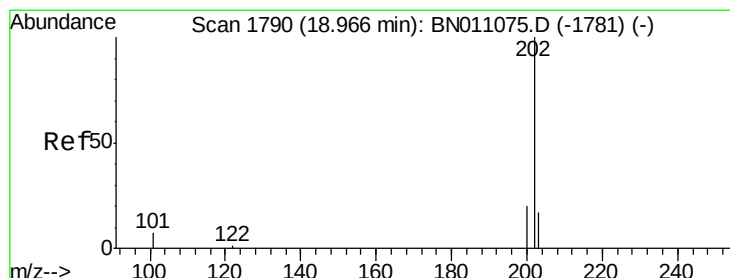
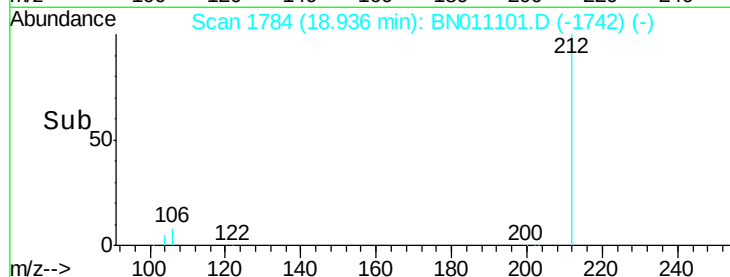
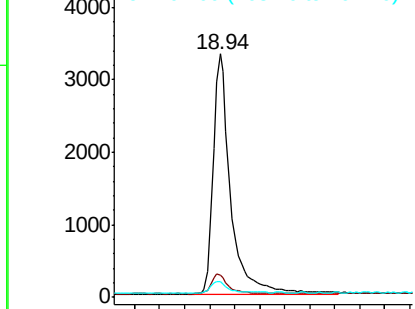
#27
 Fluoranthene-d10
 Concen: 0.328 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

Tot Ion:212 Resp: 6444
 Ion Ratio Lower Upper
 212 100
 106 8.1 7.1 10.7
 104 4.7 4.2 6.4

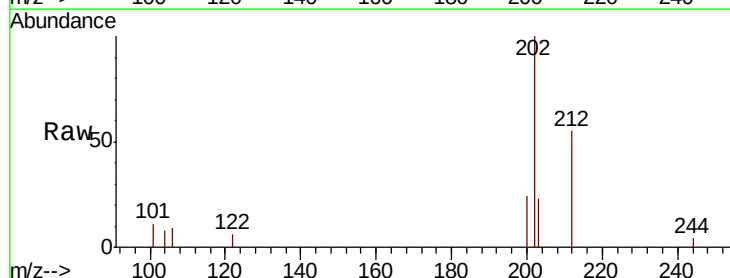


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

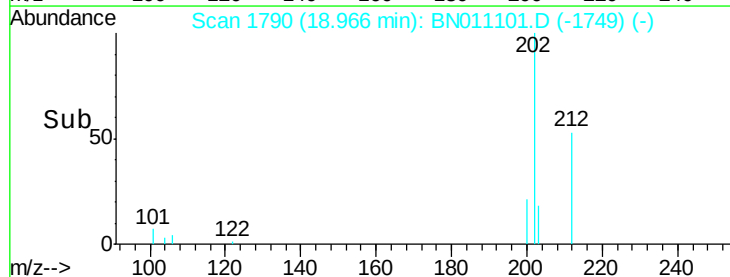
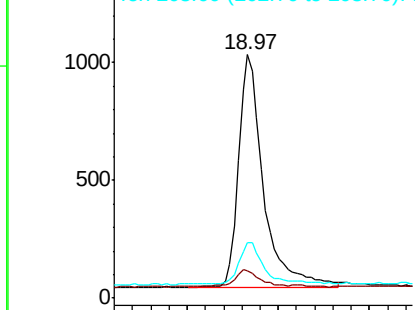


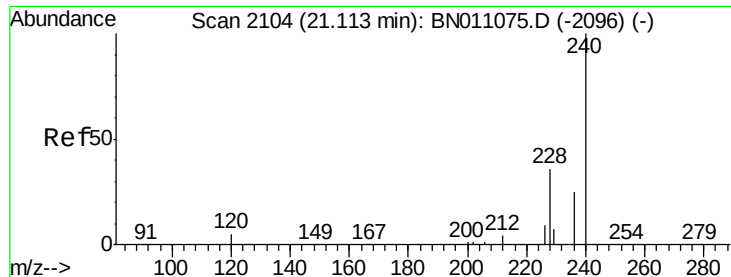
#28
 Fluoranthene
 Concen: 0.079 ng
 RT: 18.97 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Tgt Ion:202 Resp: 1881
 Ion Ratio Lower Upper
 202 100
 101 7.3 6.3 9.5
 203 18.0 13.5 20.3



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





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

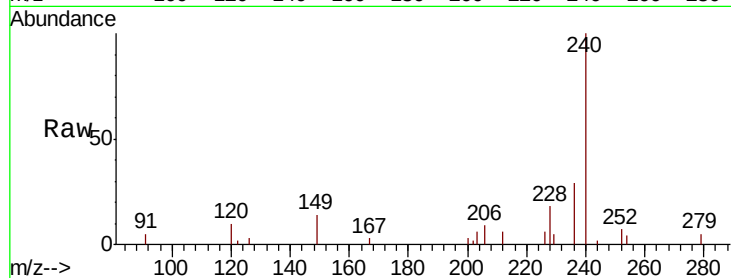
Tot Ion:240 Resp: 5413

Ion Ratio Lower Upper

240 100

120 9.9 6.5 9.7#

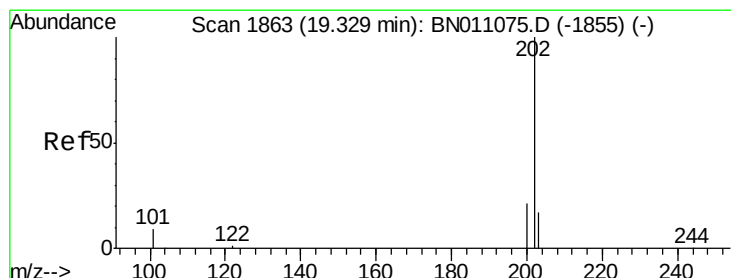
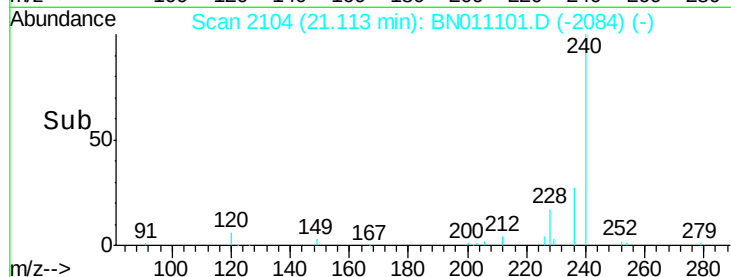
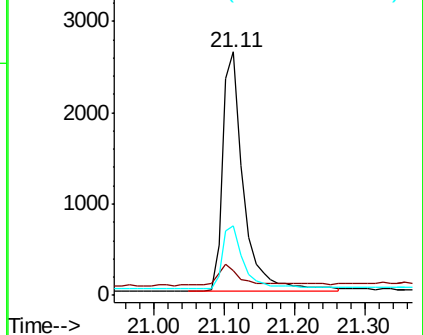
236 28.8 21.9 32.9



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



#30

Pyrene

Concen: 0.094 ng

RT: 19.33 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

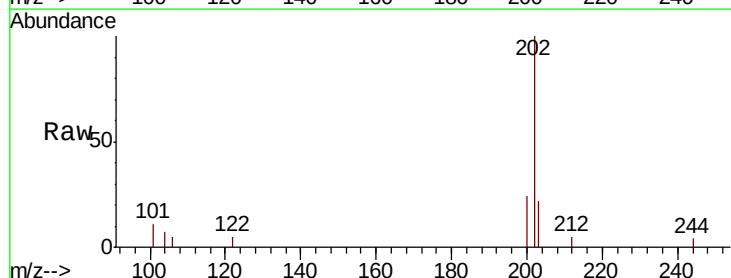
Tgt Ion:202 Resp: 1895

Ion Ratio Lower Upper

202 100

200 20.0 16.6 25.0

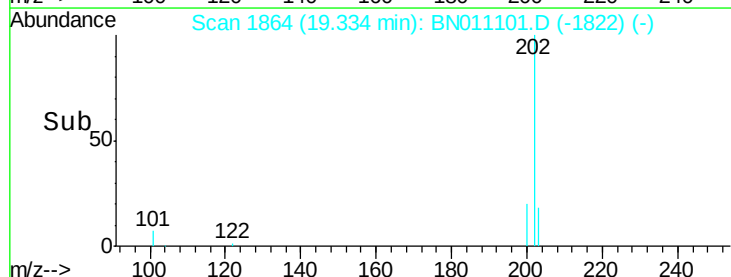
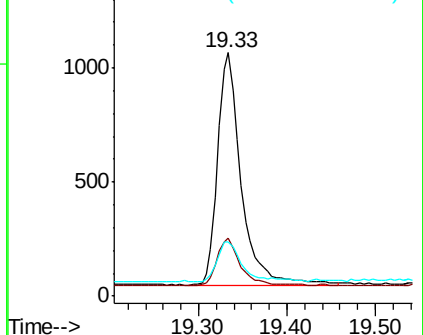
203 17.7 14.2 21.4

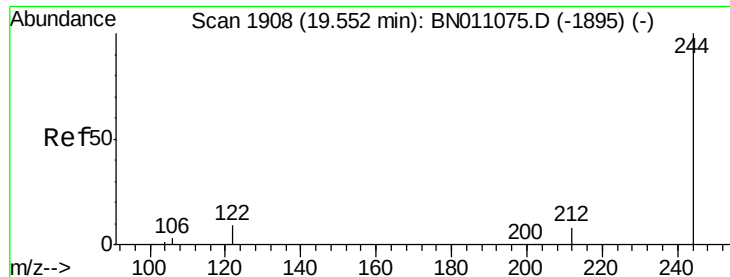


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.350 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

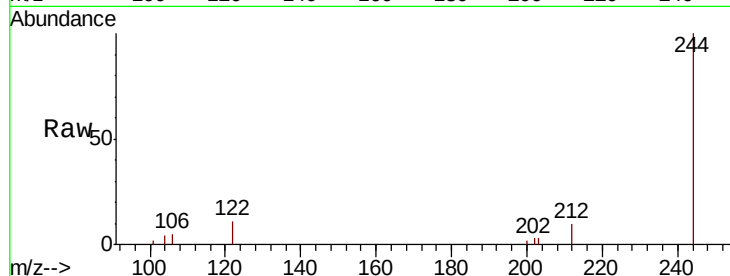
Tot Ion:244 Resp: 4929

Ion Ratio Lower Upper

244 100

212 10.3 7.5 11.3

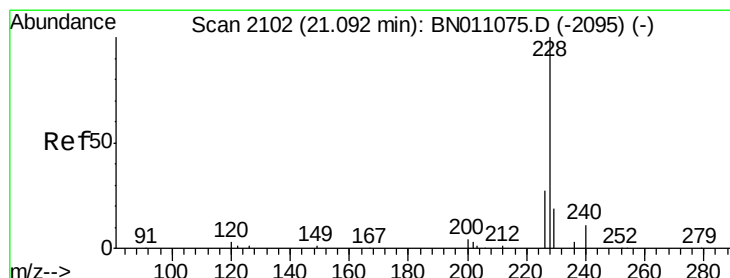
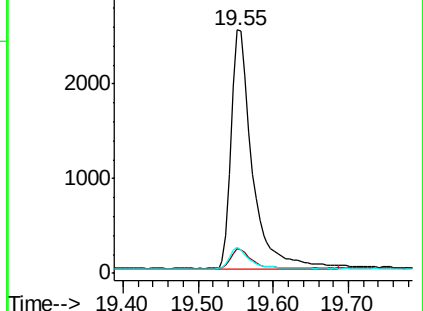
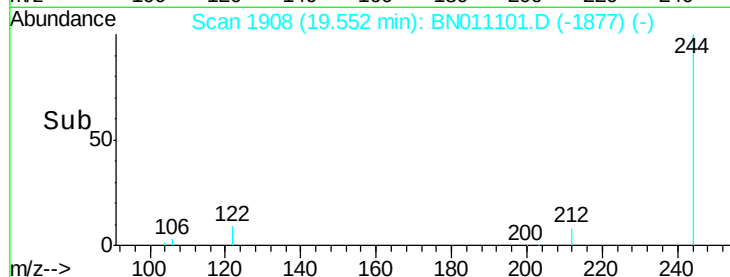
122 10.6 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 0.086 ng

RT: 21.09 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

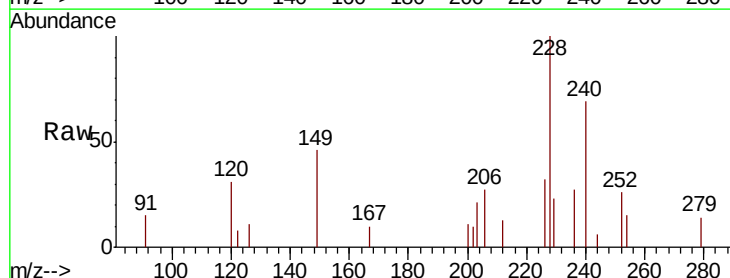
Tgt Ion:228 Resp: 1548

Ion Ratio Lower Upper

228 100

226 32.1 22.0 33.0

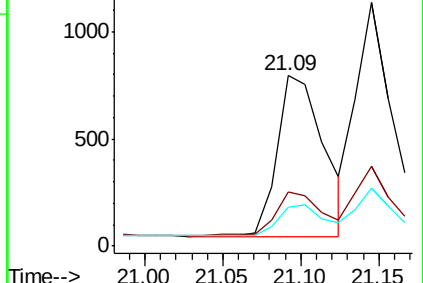
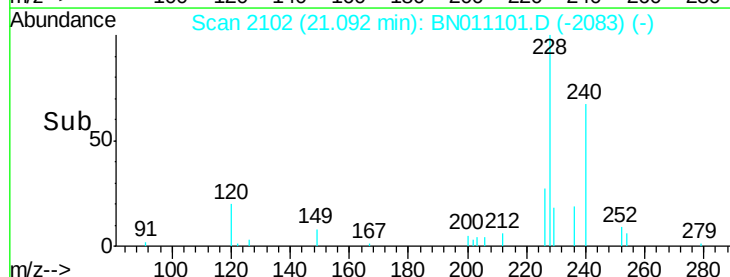
229 23.1 16.1 24.1

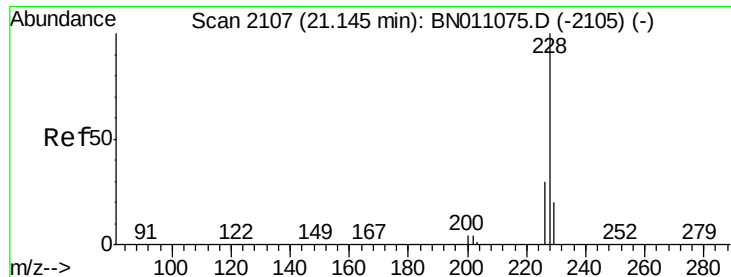


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.089 ng

RT: 21.14 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

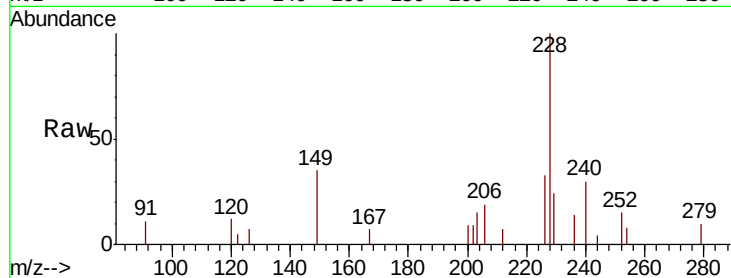
Tot Ion:228 Resp: 1848

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

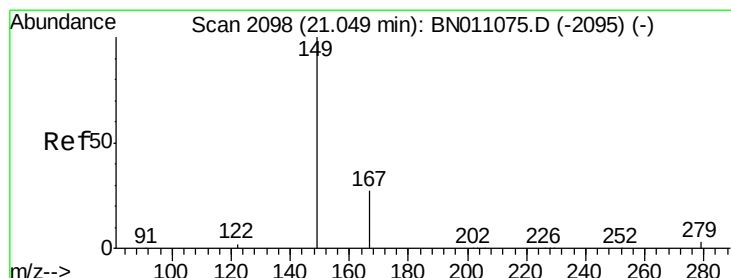
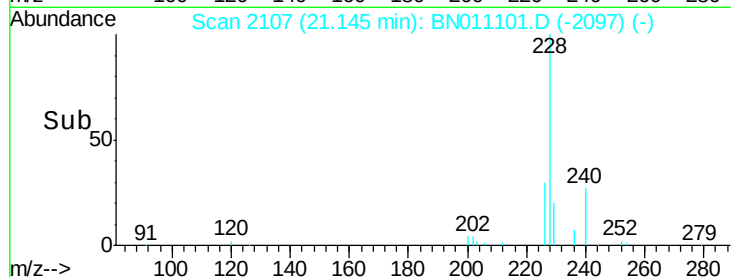
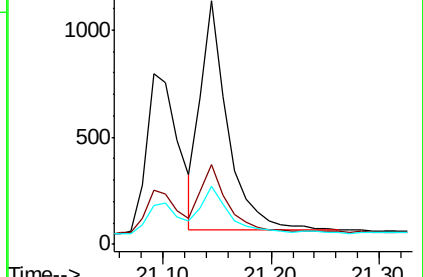
229 23.9 16.4 24.6



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 21.05 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

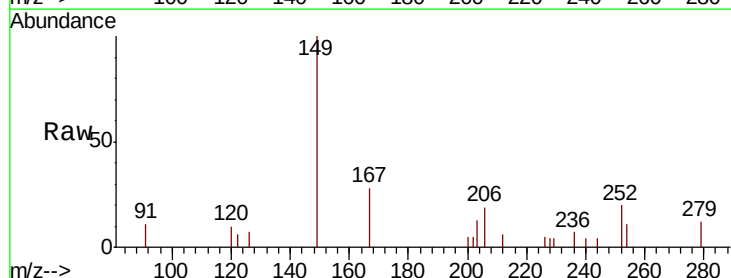
Tgt Ion:149 Resp: 868

Ion Ratio Lower Upper

149 100

167 29.6 22.2 33.4

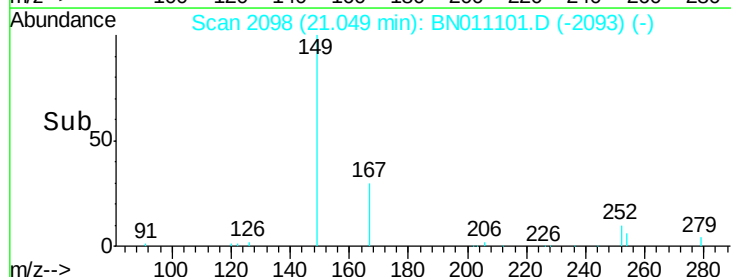
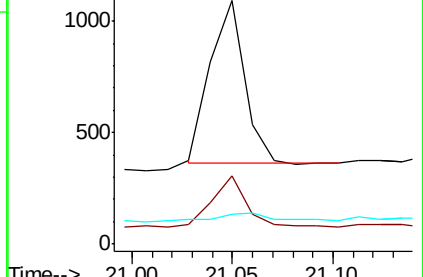
279 3.8 4.5 6.7#

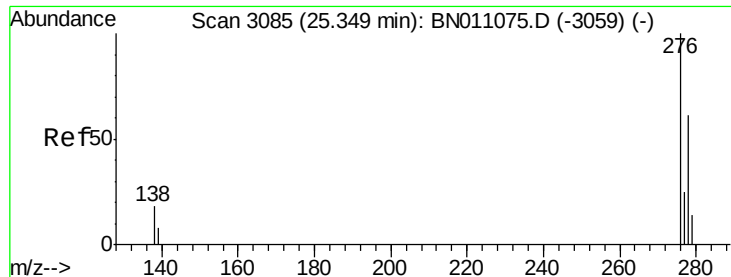


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.072 ng

RT: 25.36 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

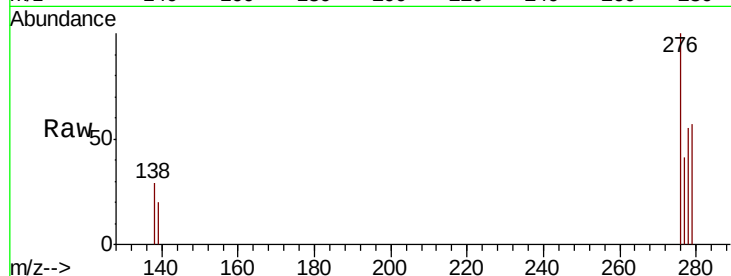
Tot Ion:276 Resp: 1557

Ion Ratio Lower Upper

276 100

138 5.1 15.4 23.0#

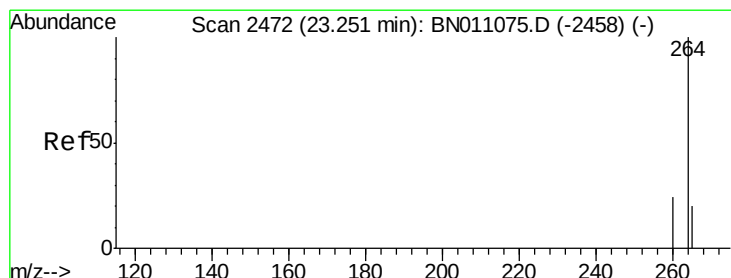
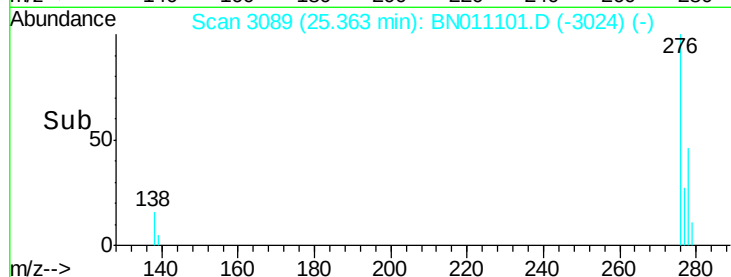
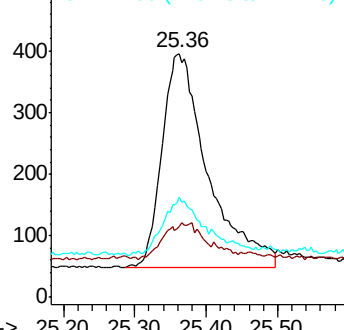
277 21.8 19.4 29.0



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

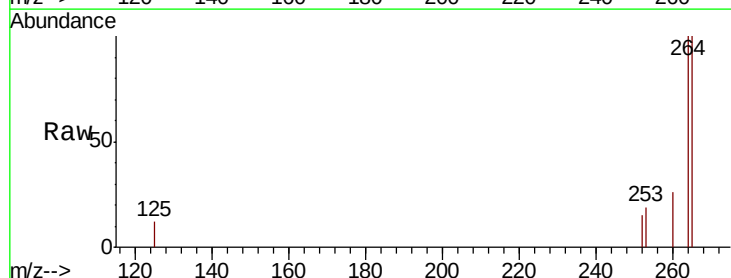
Tgt Ion:264 Resp: 6177

Ion Ratio Lower Upper

264 100

260 26.4 20.4 30.6

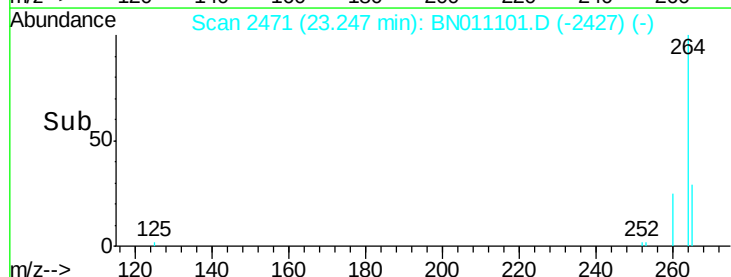
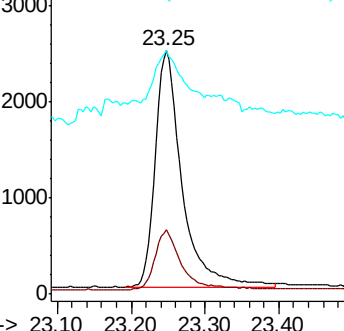
265 99.8 83.0 124.6

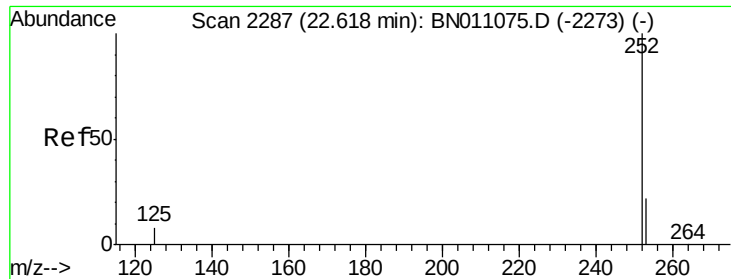


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 0.072 ng

RT: 22.62 min Scan# 2288

Delta R.T. 0.01 min

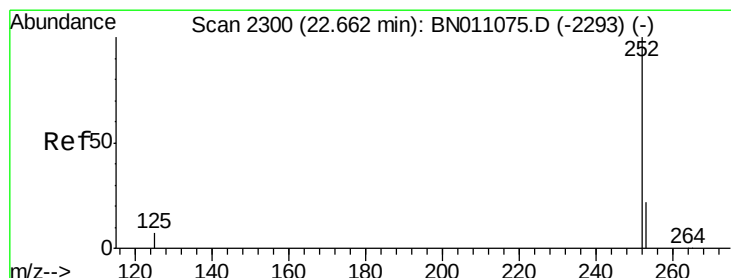
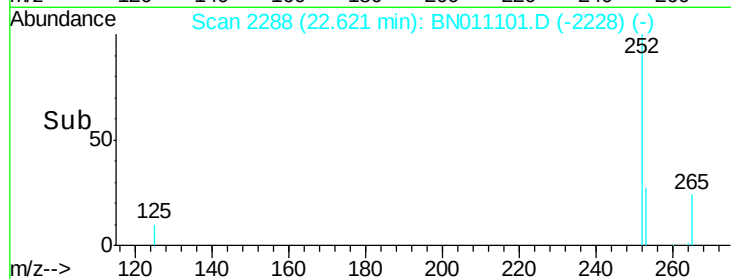
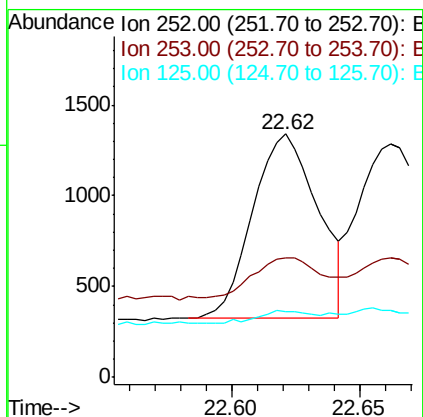
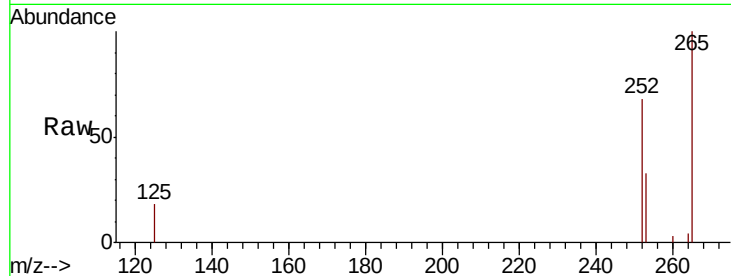
Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion:252 Resp: 1790

Ion	Ratio	Lower	Upper
252	100		
253	48.8	22.7	34.1#
125	26.9	10.4	15.6#



#38

Benzo(k)fluoranthene

Concen: 0.080 ng

RT: 22.66 min Scan# 2300

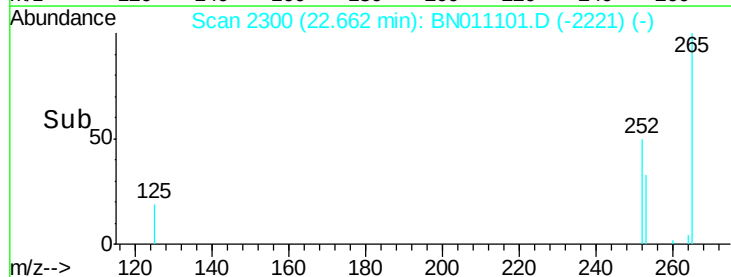
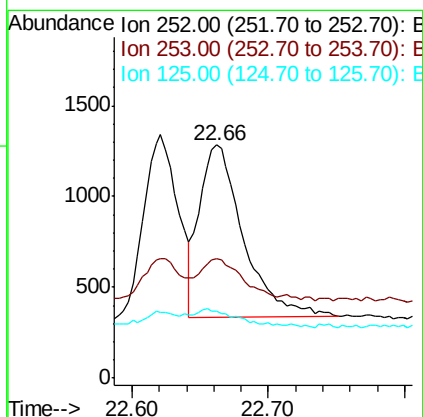
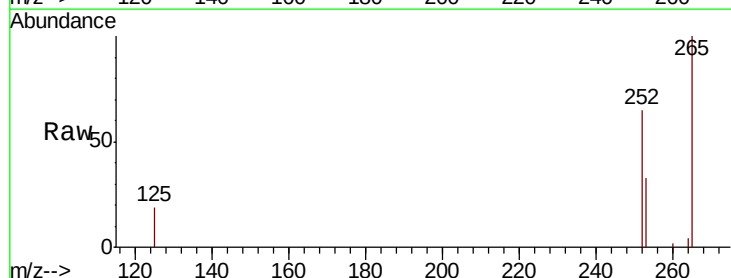
Delta R.T. 0.01 min

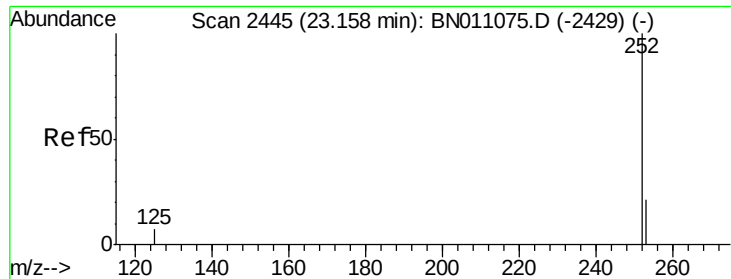
Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Tgt Ion:252 Resp: 2115

Ion	Ratio	Lower	Upper
252	100		
253	51.6	22.9	34.3#
125	28.8	10.6	15.8#





#39

Benzo(a)pyrene

Concen: 0.078 ng

RT: 23.16 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

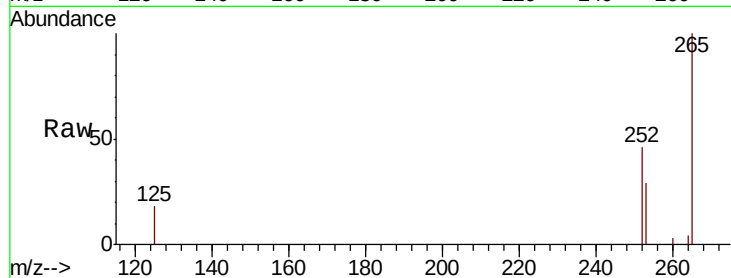
Tot Ion:252 Resp: 1672

Ion Ratio Lower Upper

252 100

253 63.8 25.9 38.9#

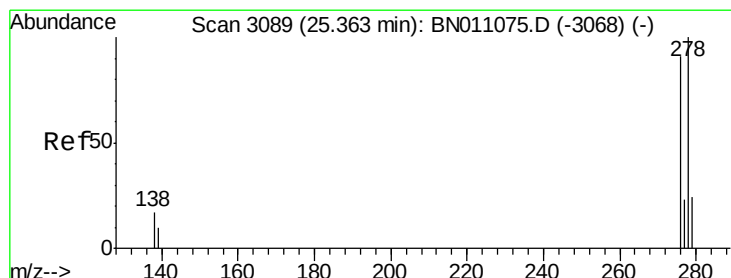
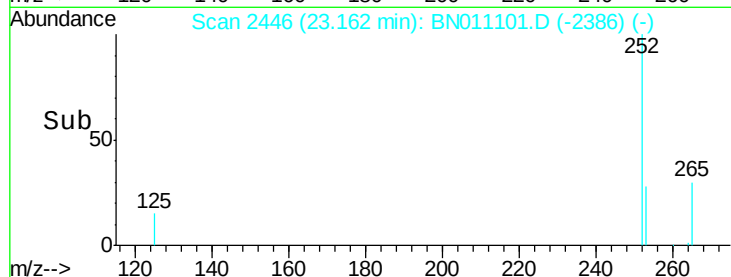
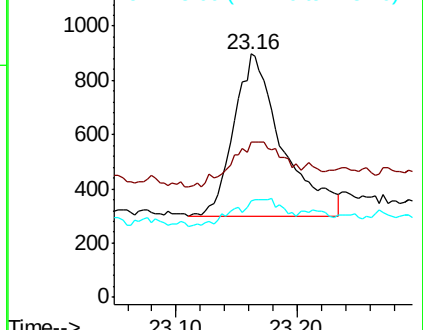
125 39.4 12.5 18.7#



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



#40

Dibenzo(a,h)anthracene

Concen: 0.050 ng

RT: 25.39 min Scan# 3096

Delta R.T. 0.03 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

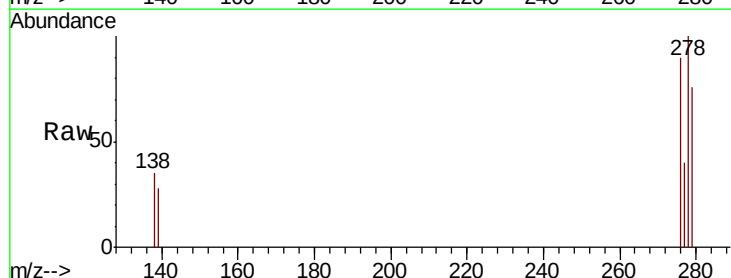
Tgt Ion:278 Resp: 1101

Ion Ratio Lower Upper

278 100

139 28.3 11.9 17.9#

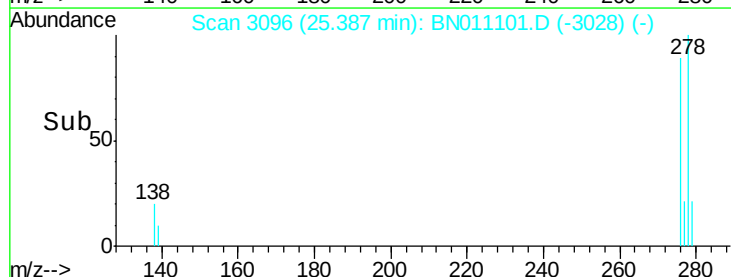
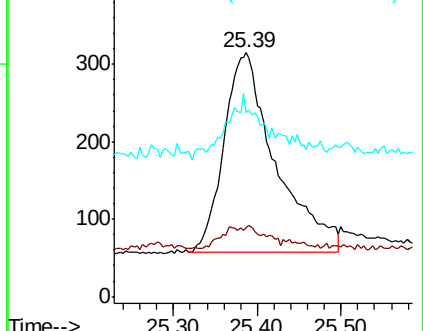
279 75.6 25.5 38.3#

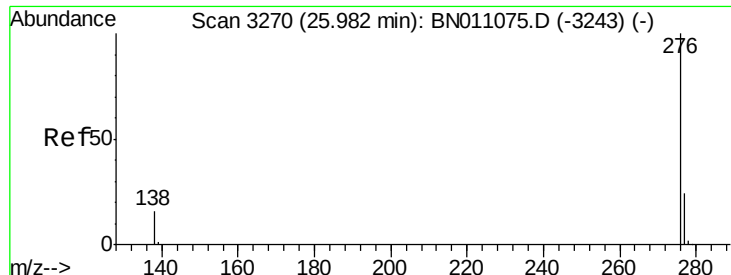


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.068 ng

RT: 25.99 min Scan# 3271

Delta R.T. 0.02 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

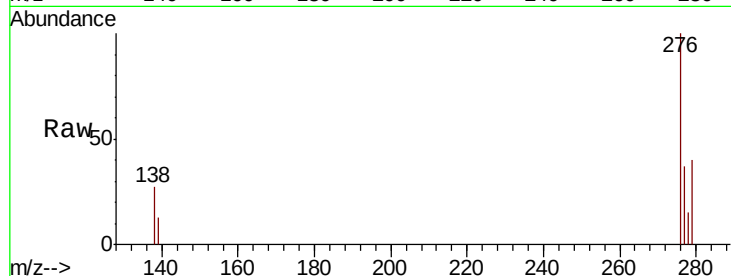
Tot Ion:276 Resp: 1646

Ion Ratio Lower Upper

276 100

277 36.6 21.1 31.7#

138 26.7 15.0 22.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

