

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\
 Data File : BN011110.D
 Acq On : 07 Jul 2020 10:13
 Operator : CG/JU
 Sample : L1955-06
 Misc : MDL-SOIL-06
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Jul 07 13:25:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 10:47:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	1567	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	4714	0.40	ng	0.01
13) Acenaphthene-d10	14.13	164	2501	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	5160	0.40	ng	0.01
29) Chrysene-d12	21.11	240	4292	0.40	ng	0.01
36) Perylene-d12	23.25	264	4238	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.17	112	1258	0.32	ng	0.00
5) Phenol-d6	6.72	99	1278	0.29	ng	0.00
8) Nitrobenzene-d5	8.67	82	1354	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	11.87	152	2524	0.31	ng	0.02
14) 2,4,6-Tribromophenol	15.67	330	319	0.30	ng	0.03
15) 2-Fluorobiphenyl	12.76	172	3812	0.32	ng	0.01
27) Fluoranthene-d10	18.94	212	5044	0.32	ng	0.00
31) Terphenyl-d14	19.56	244	3979	0.36	ng	0.00

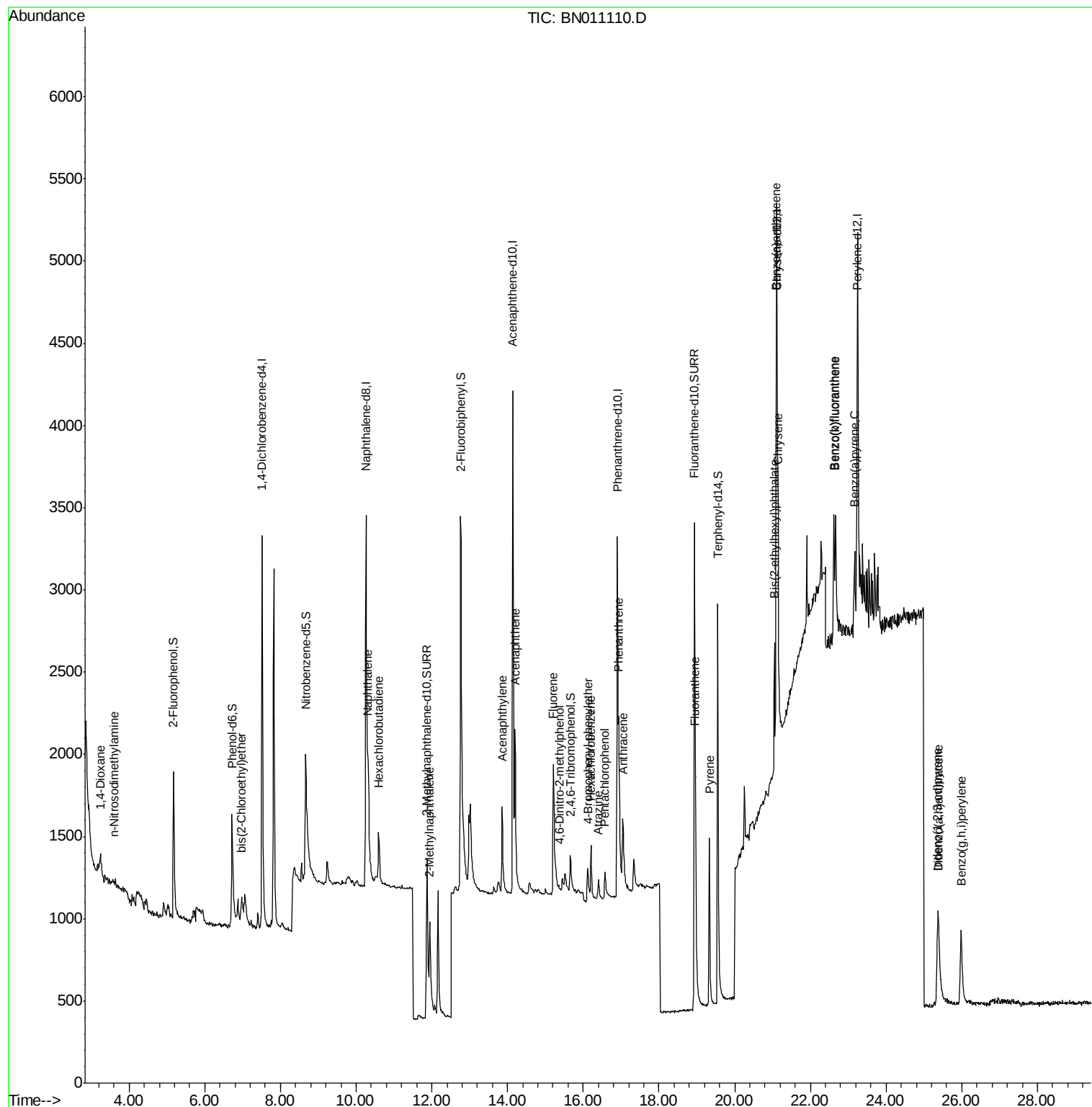
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	201	0.091	ng	# 80
3) n-Nitrosodimethylamine	3.60	42	39	0.035	ng	# 57
6) bis(2-Chloroethyl)ether	6.97	93	298	0.073	ng	# 86
9) Naphthalene	10.32	128	1062	0.075	ng	# 80
10) Hexachlorobutadiene	10.60	225	268	0.075	ng	# 97
12) 2-Methylnaphthalene	11.95	142	639	0.068	ng	# 91
16) Acenaphthylene	13.85	152	860	0.069	ng	99
17) Acenaphthene	14.20	154	604	0.071	ng	98
18) Fluorene	15.21	166	699	0.066	ng	99
20) 4,6-Dinitro-2-methylphenol	15.38	198	28	0.051	ng	# 50
21) 4-Bromophenyl-phenylether	16.12	248	188	0.055	ng	93
22) Hexachlorobenzene	16.20	284	278	0.069	ng	95
23) Atrazine	16.40	200	182	0.075	ng	# 64
24) Pentachlorophenol	16.57	266	160	0.147	ng	89
25) Phenanthrene	16.93	178	1087	0.065	ng	97
26) Anthracene	17.04	178	835	0.060	ng	99
28) Fluoranthene	18.97	202	1277	0.068	ng	95
30) Pyrene	19.33	202	1276	0.080	ng	98
32) Benzo(a)anthracene	21.10	228	955	0.067	ng	# 84
33) Chrysene	21.15	228	1325	0.081	ng	# 92
34) Bis(2-ethylhexyl)phthalate	21.05	149	637	0.110	ng	# 98
35) Indeno(1,2,3-cd)pyrene	25.36	276	1115	0.065	ng	# 89
37) Benzo(b)fluoranthene	22.62	252	1054	0.062	ng	# 46
38) Benzo(k)fluoranthene	22.67	252	1301	0.072	ng	# 45
39) Benzo(a)pyrene	23.17	252	923	0.063	ng	# 23
40) Dibenzo(a,h)anthracene	25.39	278	923	0.062	ng	# 14
41) Benzo(g,h,i)perylene	25.98	276	1232	0.075	ng	# 78

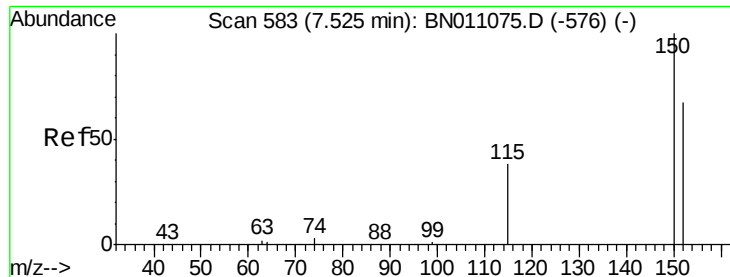
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\
Data File : BN011110.D
Acq On : 07 Jul 2020 10:13
Operator : CG/JU
Sample : L1955-06
Misc : MDL-SOIL-06
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Quant Time: Jul 07 13:25:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 10:47:09 2020
Response via : Initial Calibration



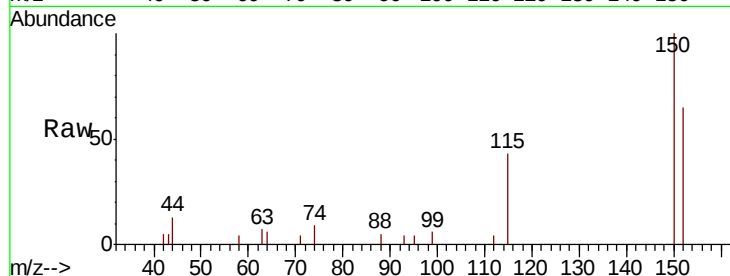


#1

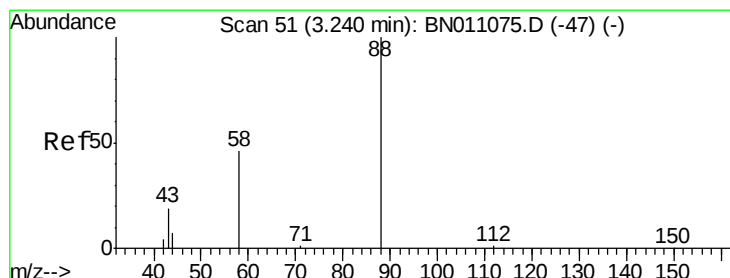
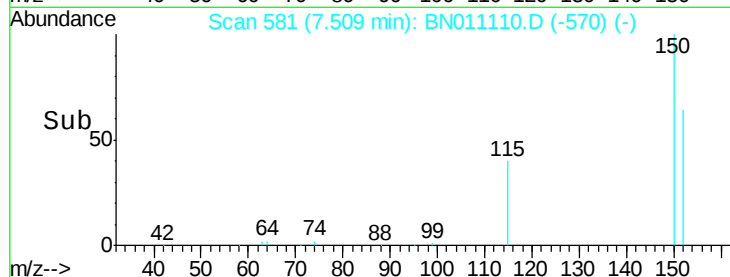
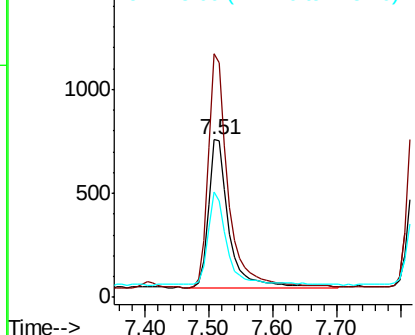
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.51 min Scan# 581
Delta R.T. -0.01 min
Lab File: BN011110.D
Acq: 07 Jul 2020 10:13

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion:152 Resp: 1567
Ion Ratio Lower Upper
152 100
150 154.4 117.4 176.0
115 66.9 47.9 71.9



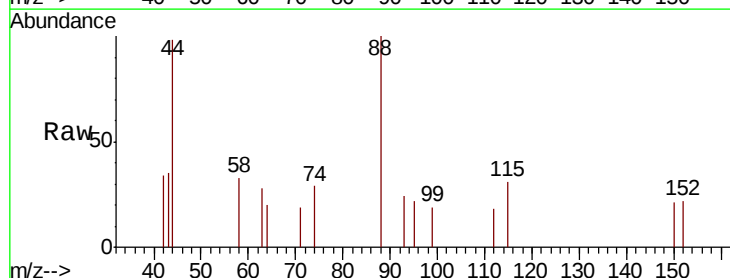
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



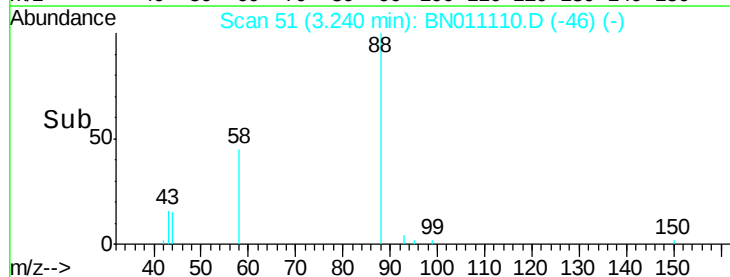
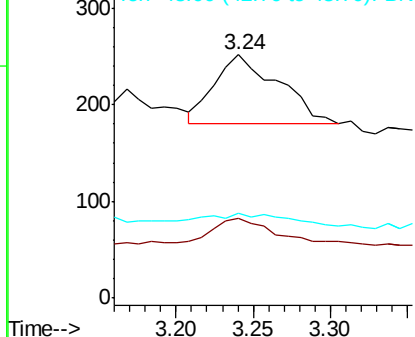
#2

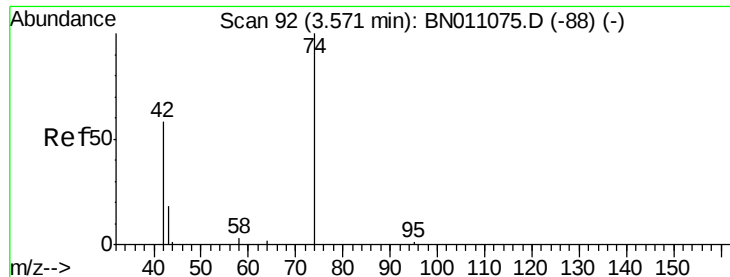
1,4-Dioxane
Concen: 0.091 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.01 min
Lab File: BN011110.D
Acq: 07 Jul 2020 10:13

Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
58 30.8 38.6 57.8#
43 22.4 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



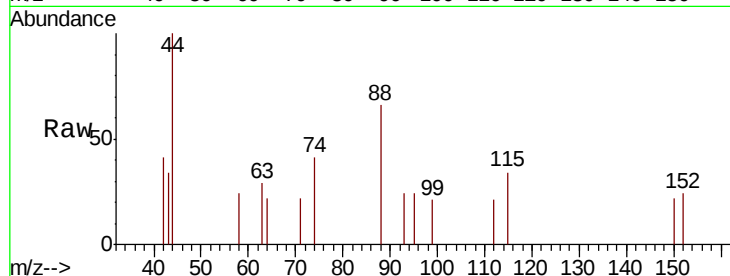


#3

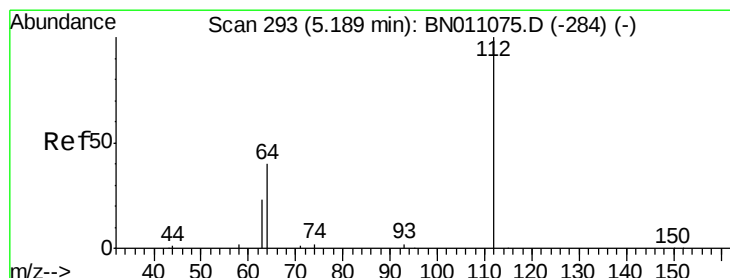
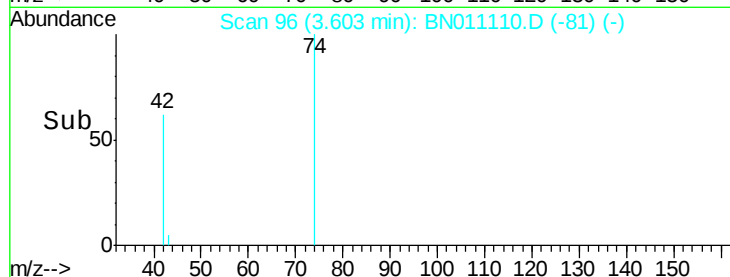
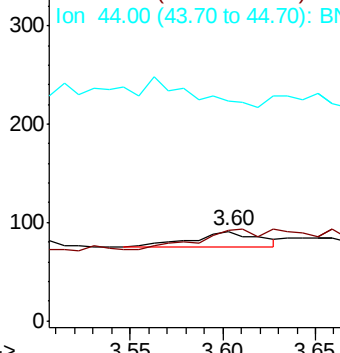
n-Nitrosodimethylamine
 Concen: 0.035 ng
 RT: 3.60 min Scan# 96
 Delta R.T. 0.02 min
 Lab File: BN011110.D
 Acq: 07 Jul 2020 10:13

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

Tot Ion: 42 Resp: 39
 Ion Ratio Lower Upper
 42 100
 74 117.9 142.5 213.7#
 44 0.0 0.0 0.0



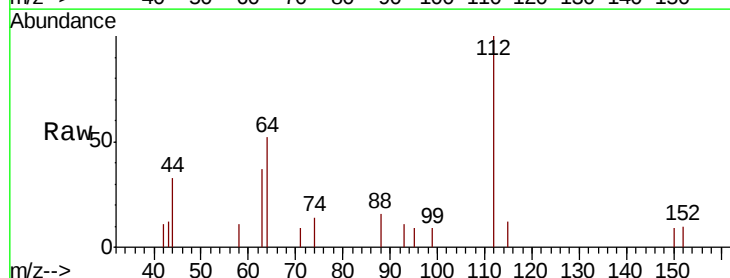
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



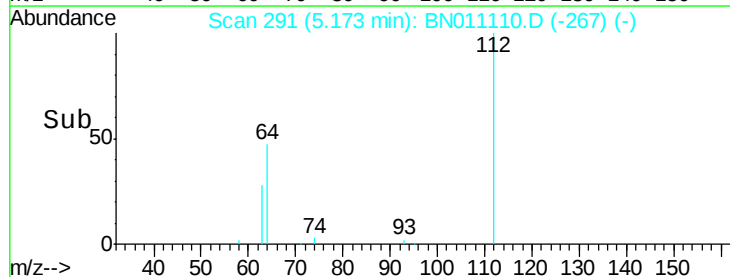
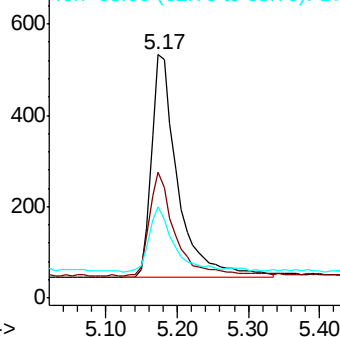
#4

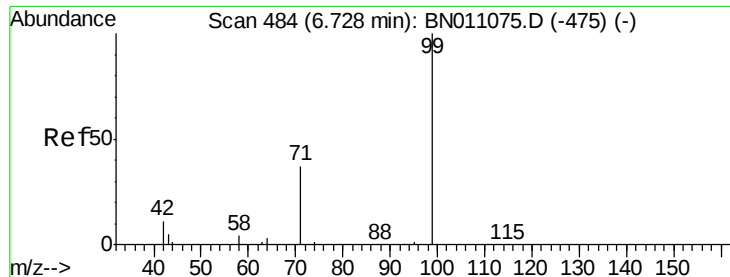
2-Fluorophenol
 Concen: 0.323 ng
 RT: 5.17 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: BN011110.D
 Acq: 07 Jul 2020 10:13

Tgt Ion: 112 Resp: 1258
 Ion Ratio Lower Upper
 112 100
 64 45.7 36.5 54.7
 63 26.5 20.6 30.8



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: 0.285 ng

RT: 6.72 min Scan# 483

Delta R.T. -0.00 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

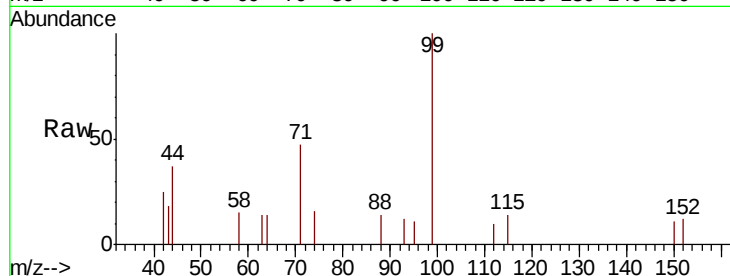
Tot Ion: 99 Resp: 1278

Ion Ratio Lower Upper

99 100

42 14.3 9.8 14.8

71 40.9 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011110.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011110.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011110.D (-471) (-)

600

500

400

300

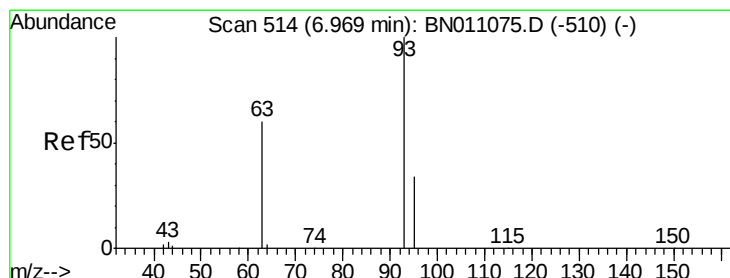
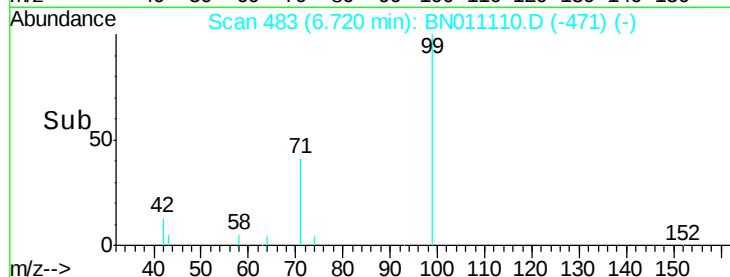
200

100

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.073 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

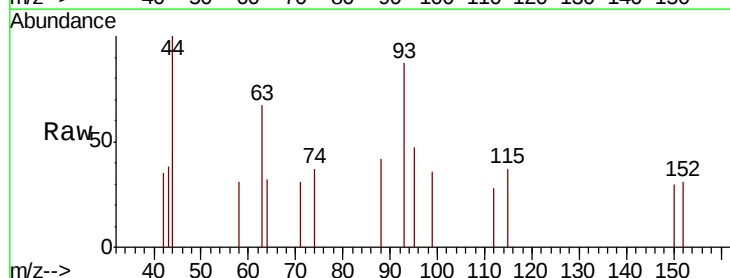
Tgt Ion: 93 Resp: 298

Ion Ratio Lower Upper

93 100

63 49.3 47.4 71.2

95 24.2 26.4 39.6#



Abundance Ion 93.00 (92.70 to 93.70): BN011110.D (-488) (-)

Ion 63.00 (62.70 to 63.70): BN011110.D (-488) (-)

Ion 95.00 (94.70 to 95.70): BN011110.D (-488) (-)

200

150

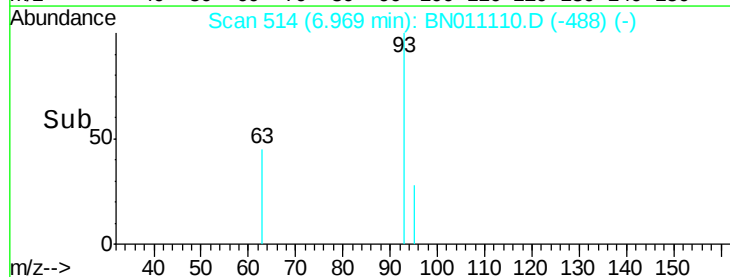
100

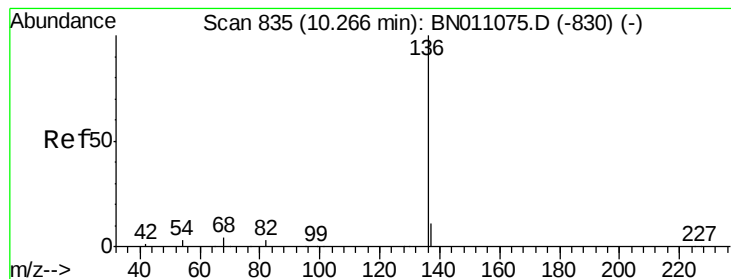
50

0

6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

Tot Ion:136 Resp: 4714

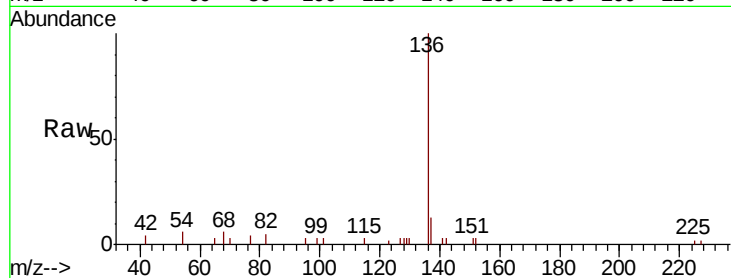
Ion Ratio Lower Upper

136 100

137 13.4 9.6 14.4

54 5.9 3.8 5.6#

68 6.0 4.3 6.5

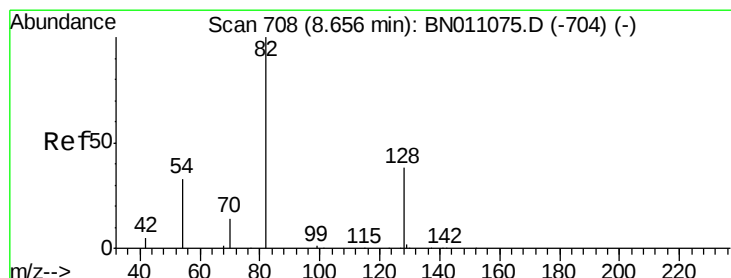
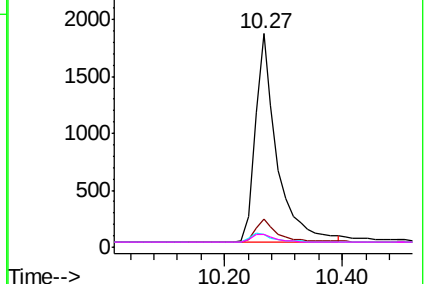
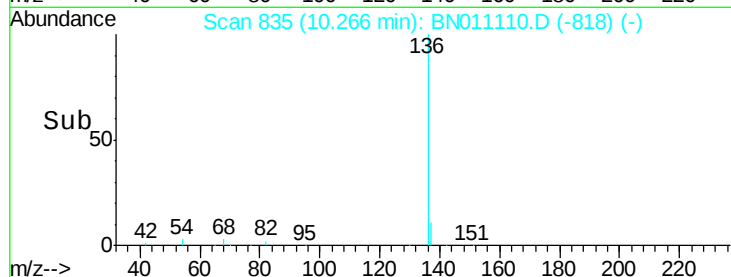


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.338 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

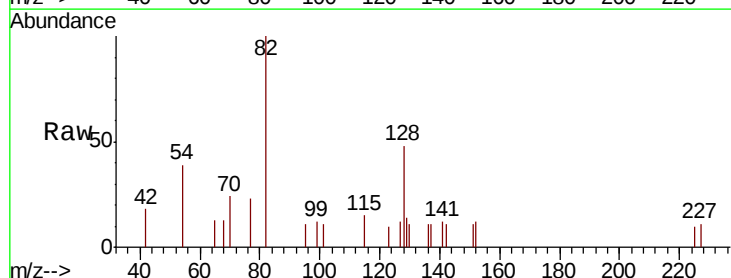
Tgt Ion: 82 Resp: 1354

Ion Ratio Lower Upper

82 100

128 47.8 34.2 51.2

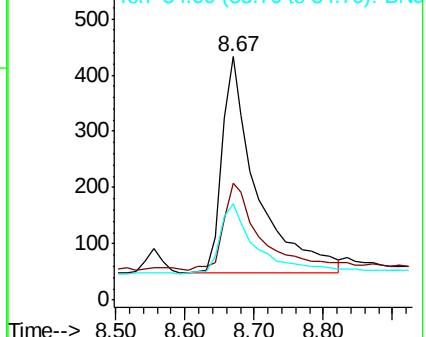
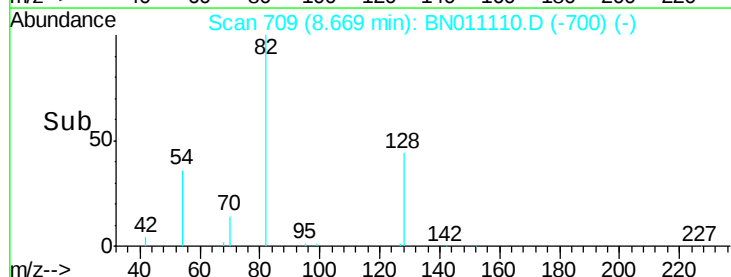
54 39.5 29.4 44.0

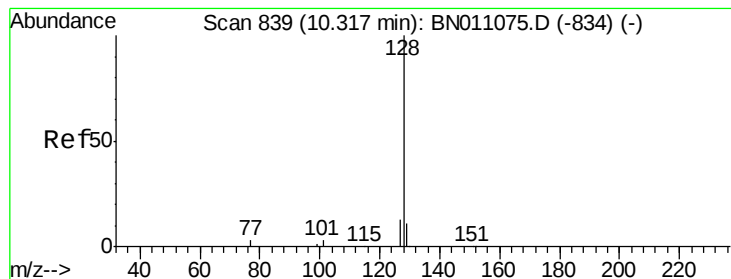


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.075 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

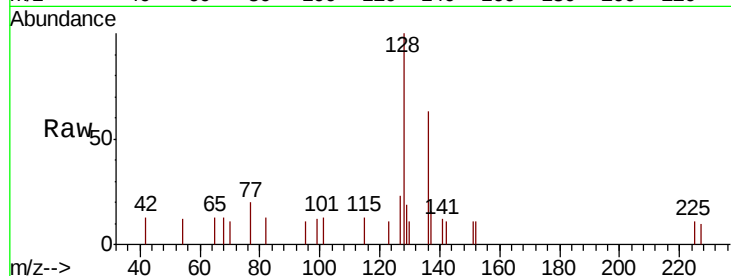
Tot Ion:128 Resp: 1062

Ion Ratio Lower Upper

128 100

129 19.4 9.8 14.8#

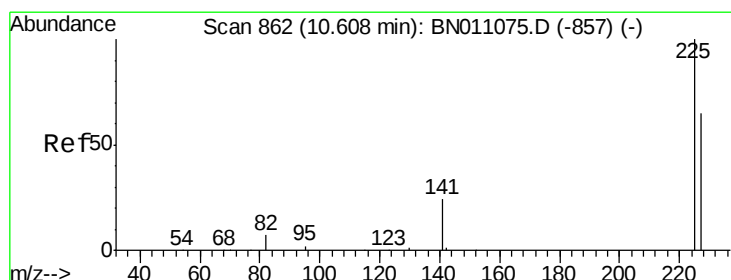
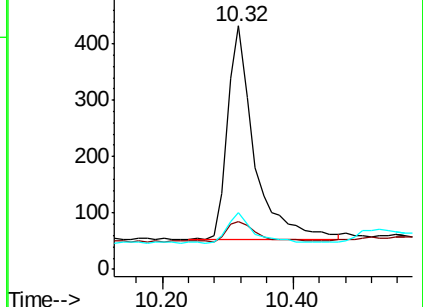
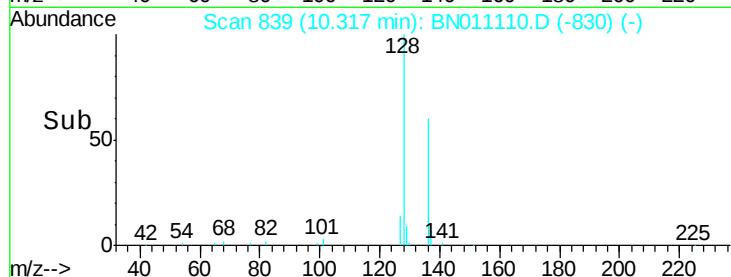
127 23.1 11.3 16.9#



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: 0.075 ng

RT: 10.60 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

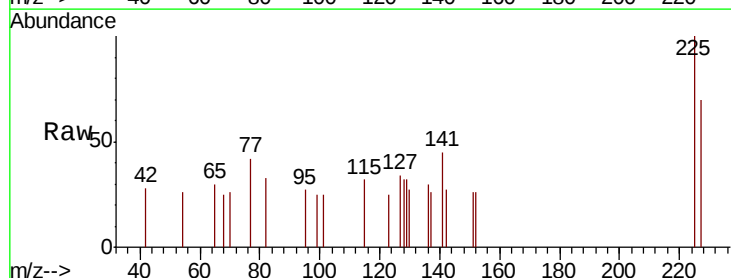
Tgt Ion:225 Resp: 268

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

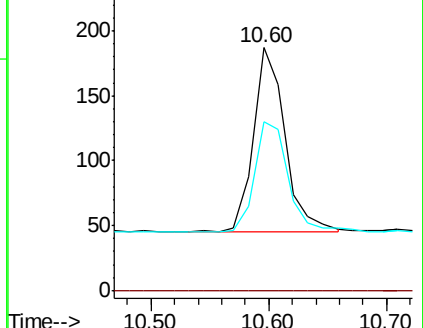
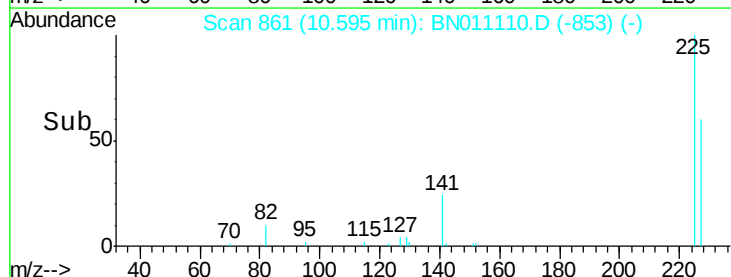
227 62.3 51.4 77.2

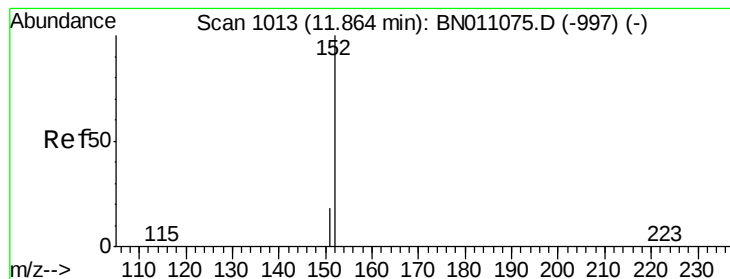


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

RT: 11.87 min Scan# 1015

Delta R.T. 0.02 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

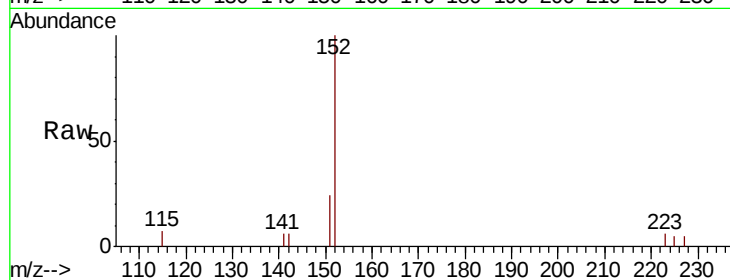
MDL-SOIL-06

Tot Ion:152 Resp: 2524

Ion Ratio Lower Upper

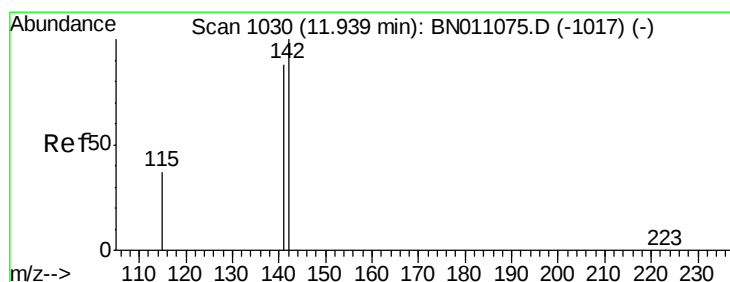
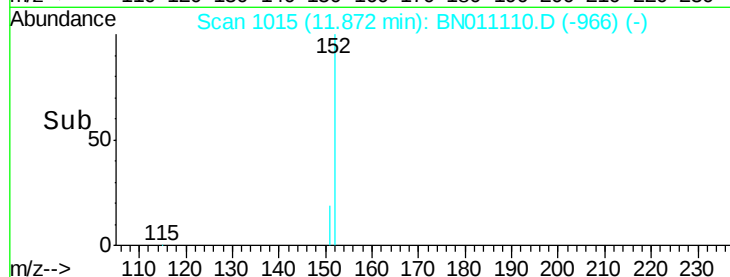
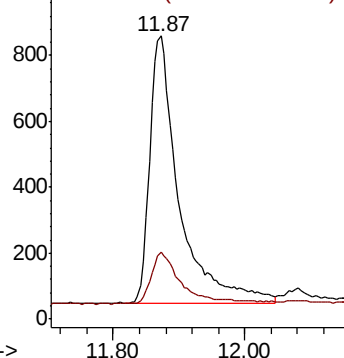
152 100

151 17.6 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.068 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

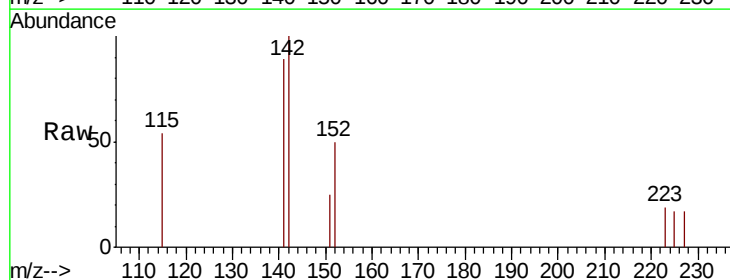
Tgt Ion:142 Resp: 639

Ion Ratio Lower Upper

142 100

141 89.4 70.3 105.5

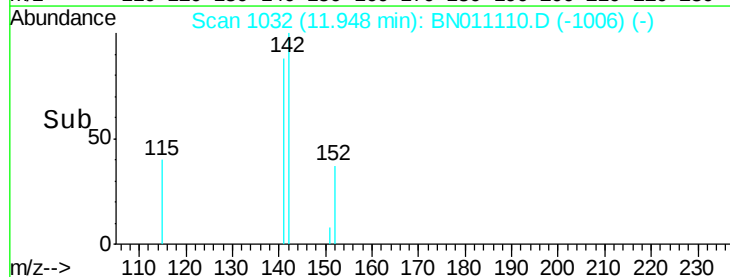
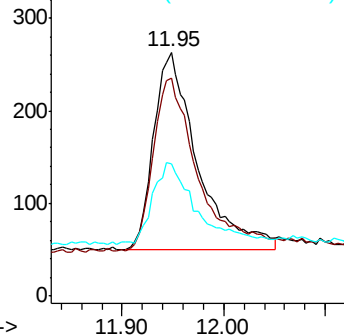
115 54.4 31.2 46.8#

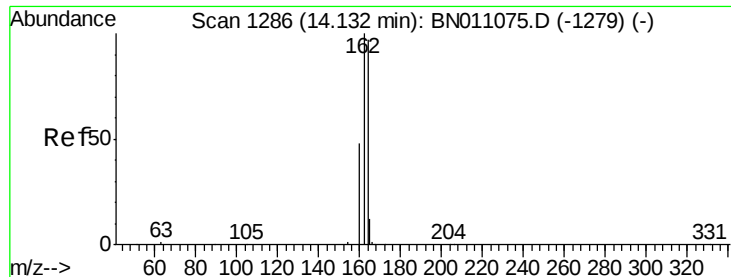


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.13 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

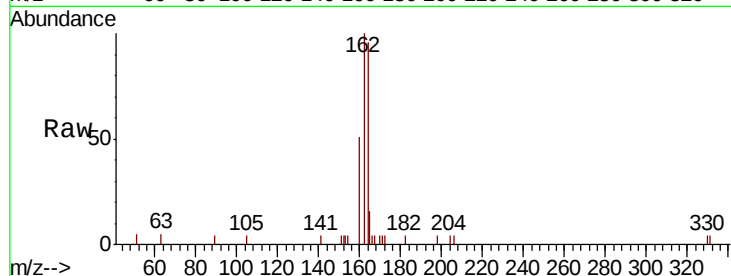
Tot Ion:164 Resp: 2501

Ion Ratio Lower Upper

164 100

162 104.7 82.3 123.5

160 53.6 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

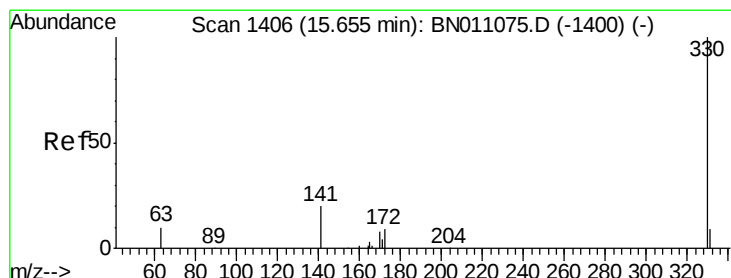
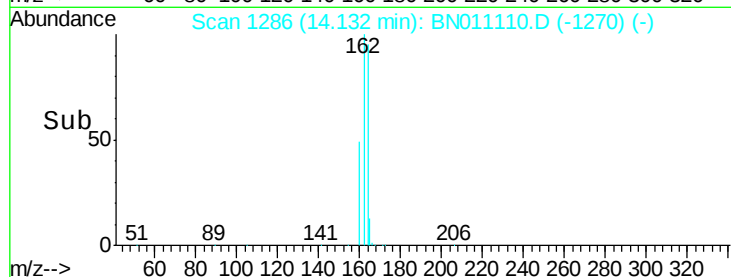
14.13

1000

500

0

Time--> 14.00 14.10 14.20 14.30



#14

2,4,6-Tribromophenol

Concen: 0.304 ng

RT: 15.67 min Scan# 1407

Delta R.T. 0.03 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

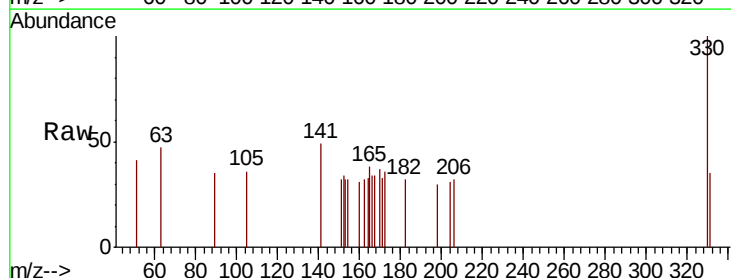
Tgt Ion:330 Resp: 319

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.2 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

15.67

200

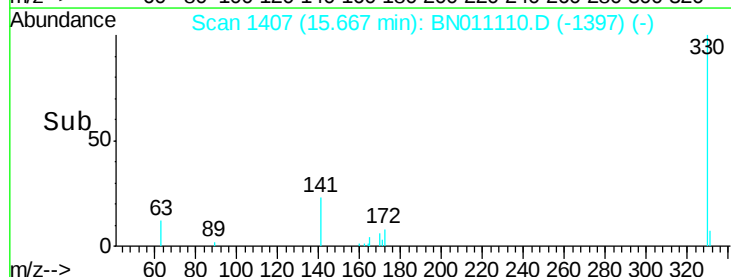
150

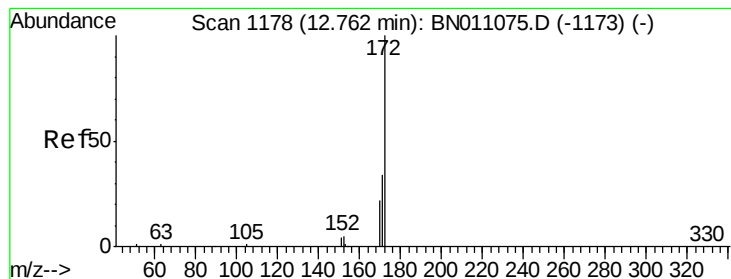
100

50

0

Time--> 15.50 15.60 15.70 15.80





#15

2-Fluorobiphenyl

Concen: 0.324 ng

RT: 12.76 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

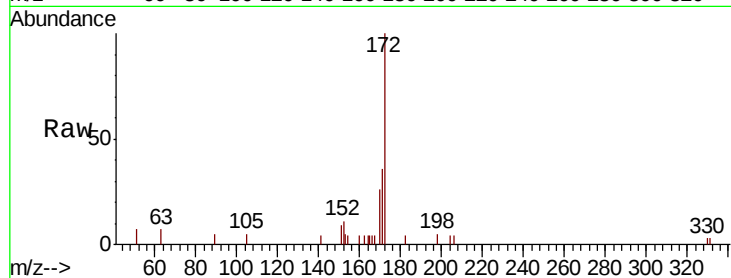
Tot Ion:172 Resp: 3812

Ion Ratio Lower Upper

172 100

171 36.3 27.9 41.9

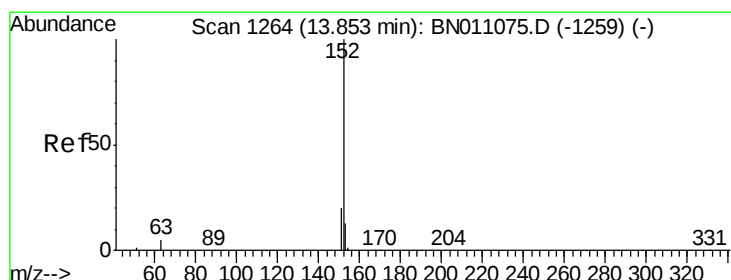
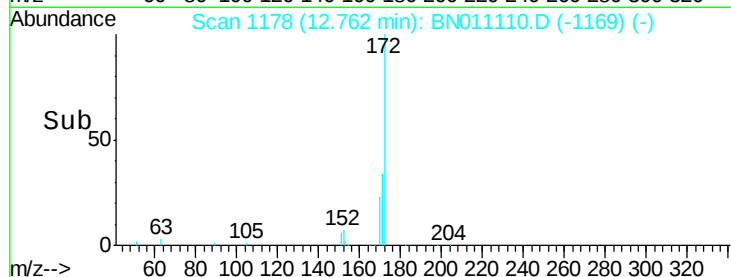
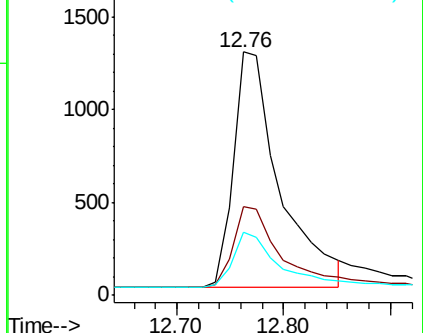
170 25.9 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.069 ng

RT: 13.85 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

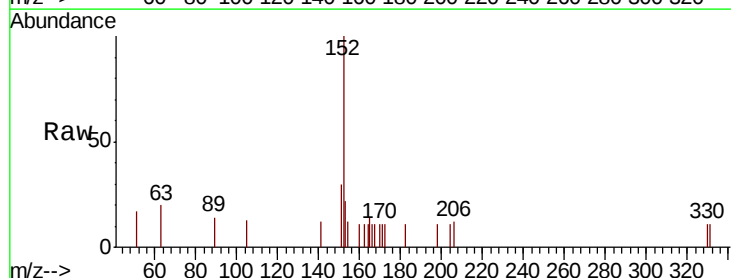
Tgt Ion:152 Resp: 860

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

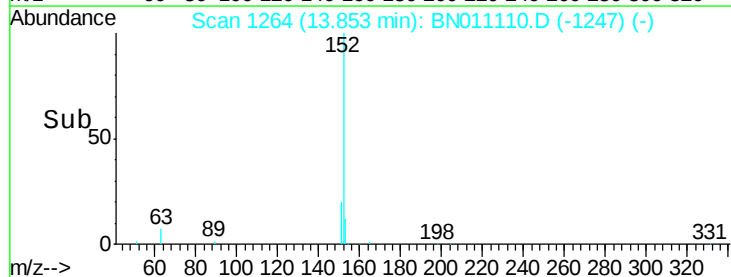
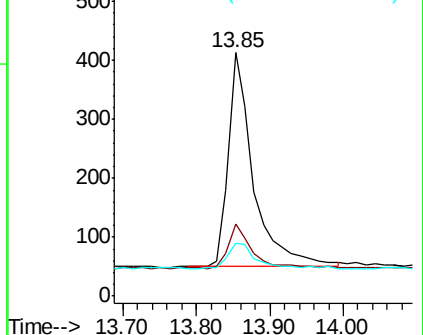
153 12.8 10.8 16.2

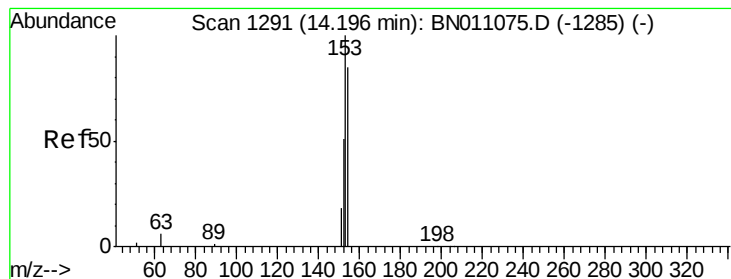


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.071 ng

RT: 14.20 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

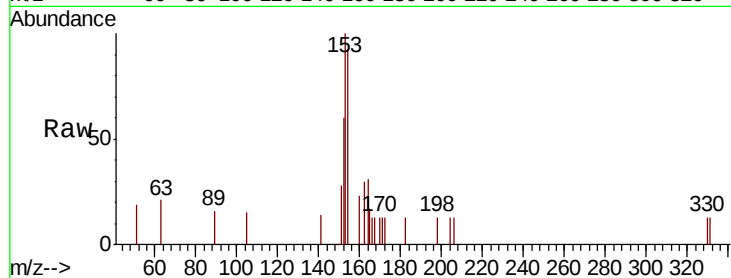
Tot Ion:154 Resp: 604

Ion Ratio Lower Upper

154 100

153 112.9 91.7 137.5

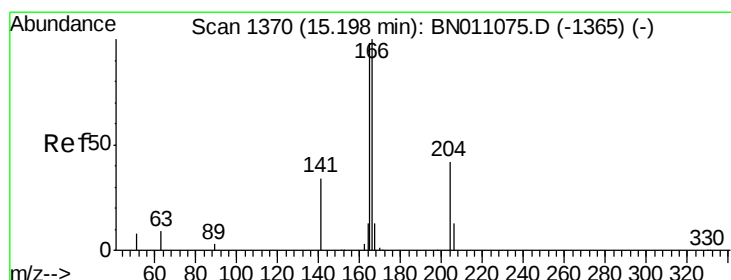
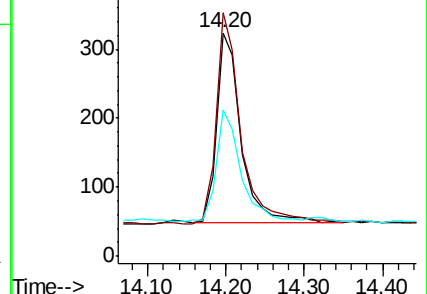
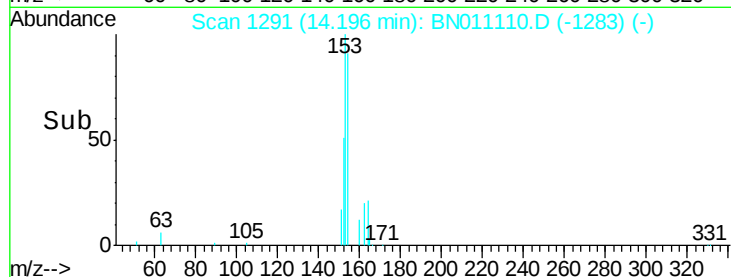
152 57.5 46.8 70.2



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: 0.066 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.03 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

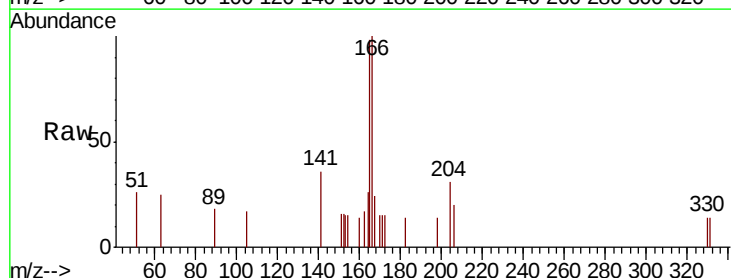
Tgt Ion:166 Resp: 699

Ion Ratio Lower Upper

166 100

165 98.7 78.9 118.3

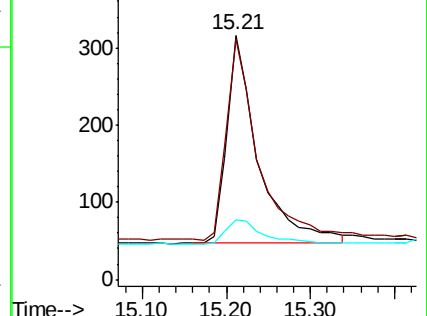
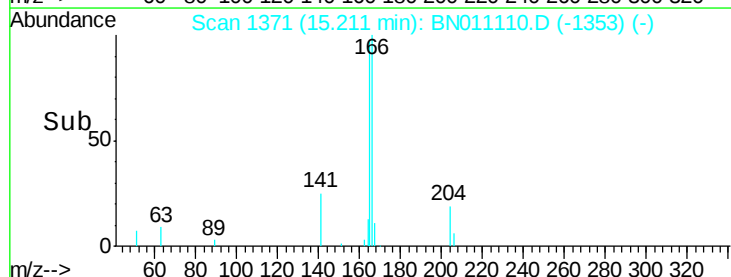
167 15.3 10.9 16.3

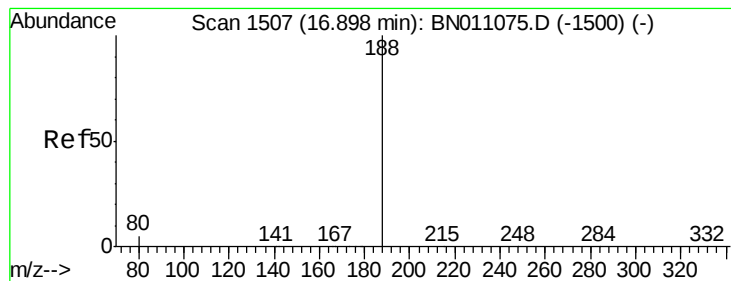


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

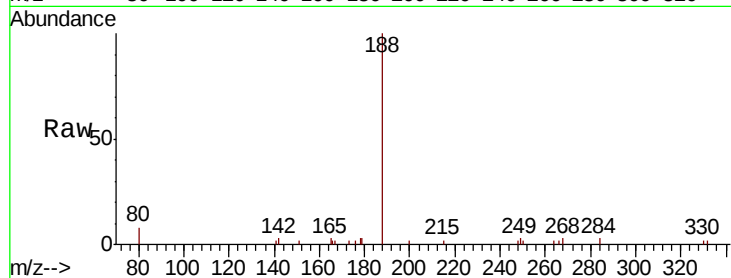
Tot Ion:188 Resp: 5160

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

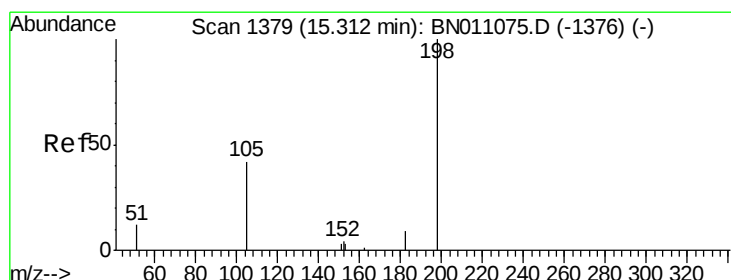
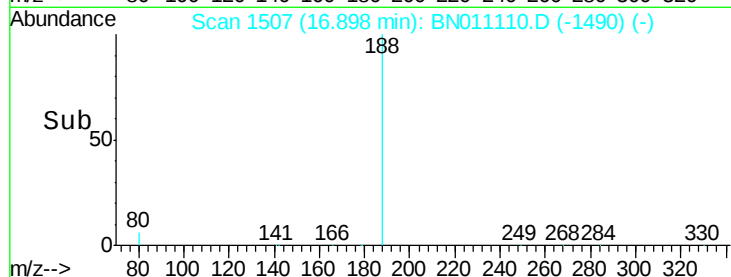
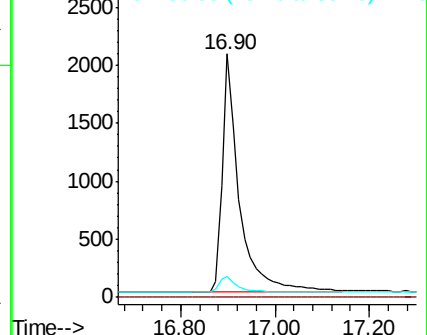
80 8.5 5.3 7.9#



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: 0.051 ng

RT: 15.38 min Scan# 1384

Delta R.T. 0.06 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

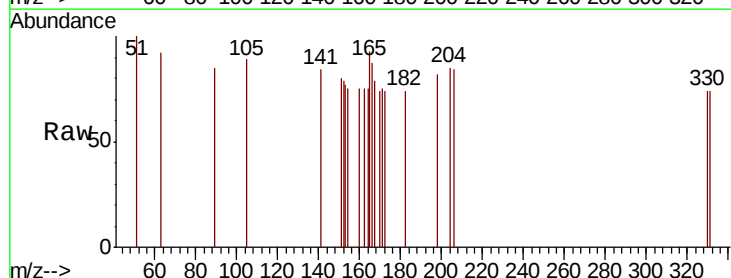
Tgt Ion:198 Resp: 28

Ion Ratio Lower Upper

198 100

51 122.0 58.2 87.4#

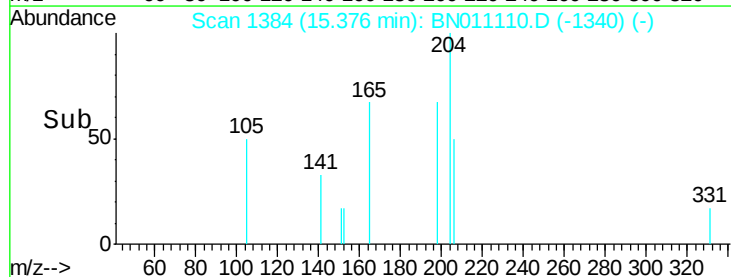
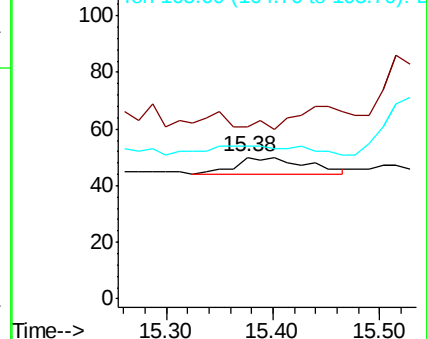
105 108.0 59.0 88.4#

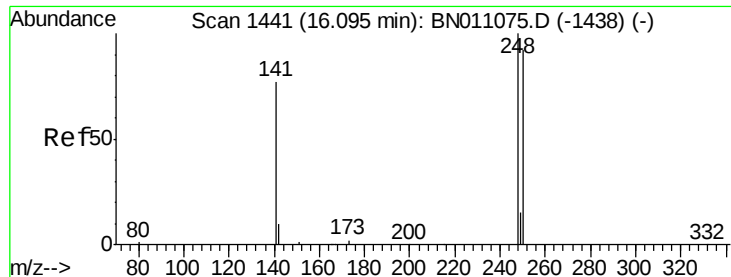


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

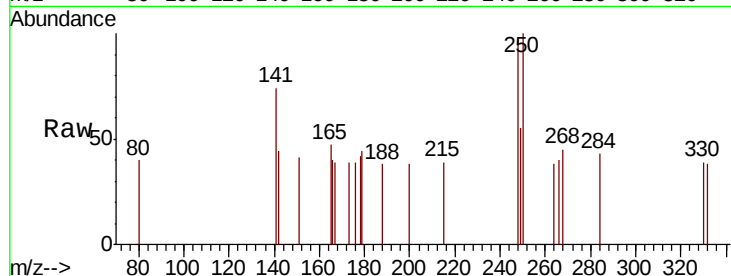




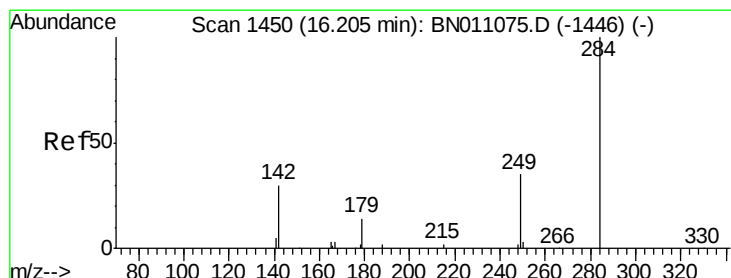
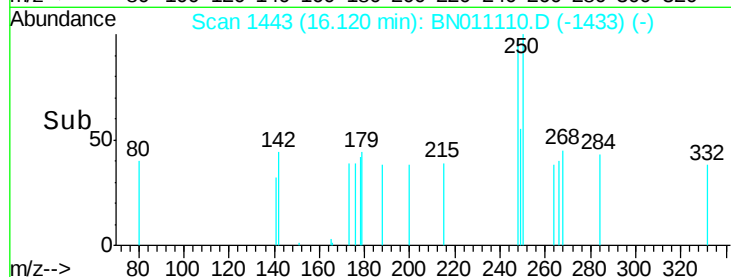
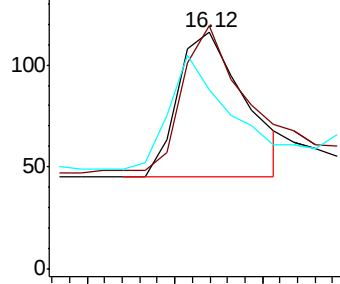
#21
4-Bromophenyl-phenylether
Concen: 0.055 ng
RT: 16.12 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BN011110.D
Acq: 07 Jul 2020 10:13

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-06

Tot Ion:248 Resp: 188
Ion Ratio Lower Upper
248 100
250 102.6 73.8 110.8
141 75.9 63.1 94.7

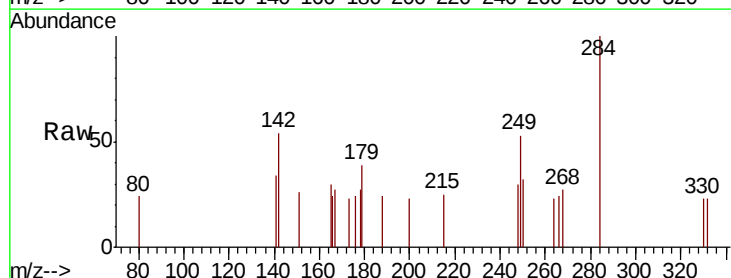


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

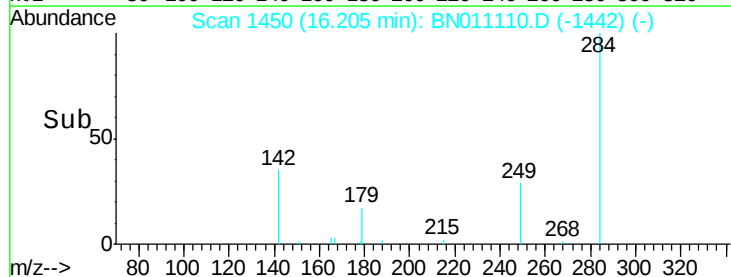
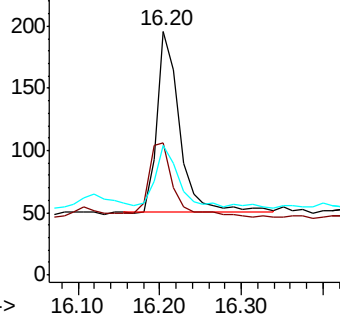


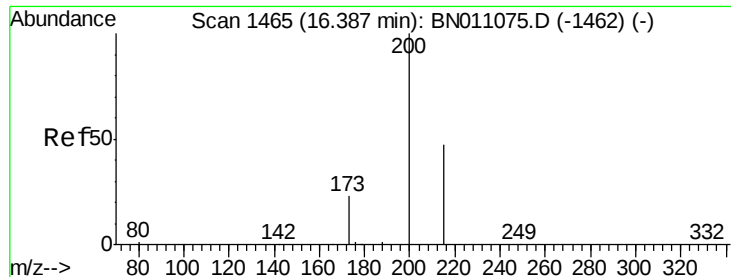
#22
Hexachlorobenzene
Concen: 0.069 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011110.D
Acq: 07 Jul 2020 10:13

Tgt Ion:284 Resp: 278
Ion Ratio Lower Upper
284 100
142 47.1 33.3 49.9
249 33.5 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: 0.075 ng

RT: 16.40 min Scan# 1466

Delta R.T. 0.02 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-06

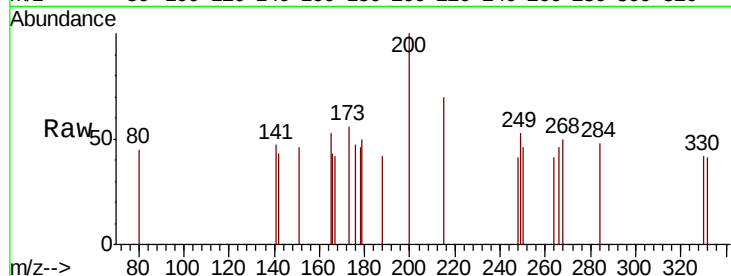
Tot Ion:200 Resp: 182

Ion Ratio Lower Upper

200 100

173 56.0 22.8 34.2#

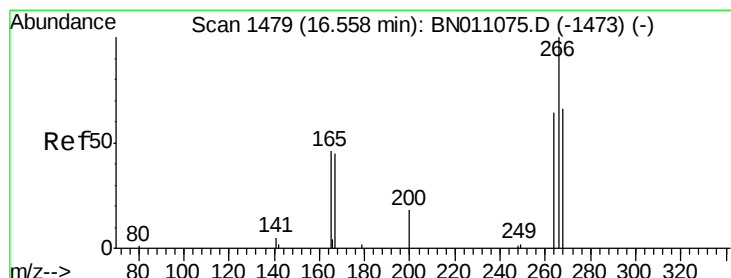
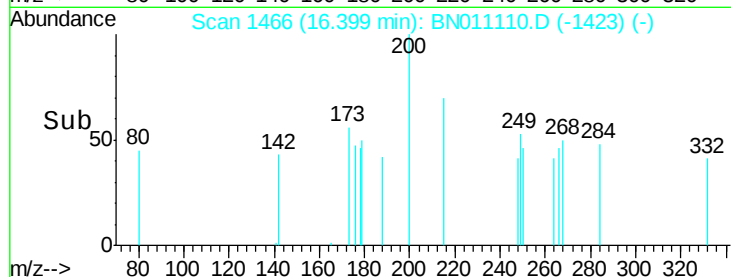
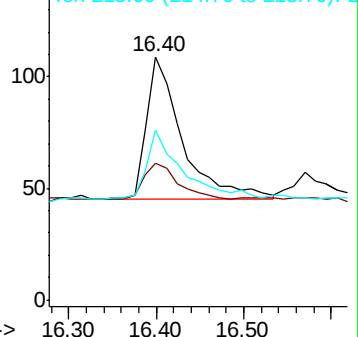
215 69.7 40.7 61.1#



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: 0.147 ng

RT: 16.57 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

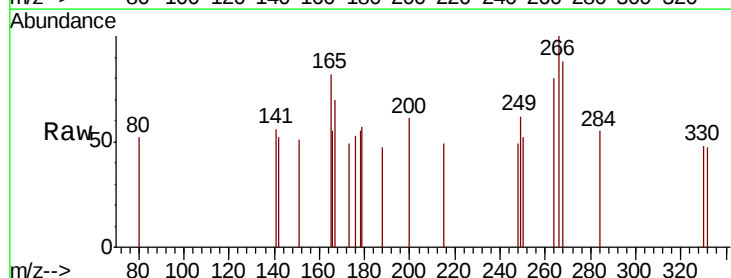
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

266 100

264 63.7 47.4 71.0

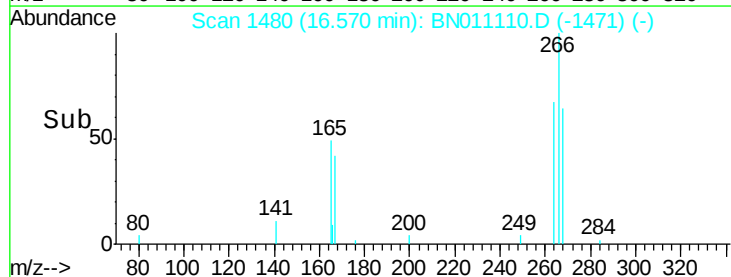
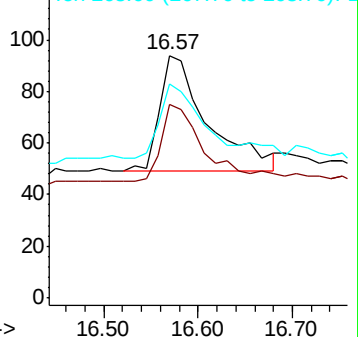
268 55.6 55.0 82.4

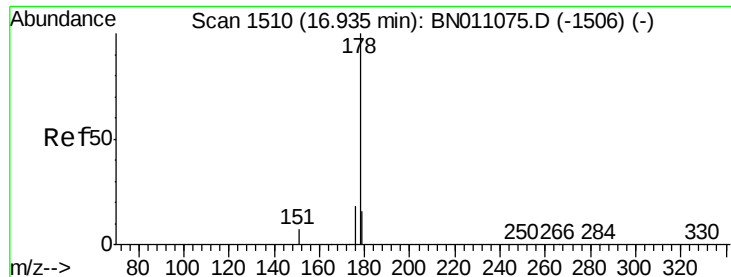


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.065 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

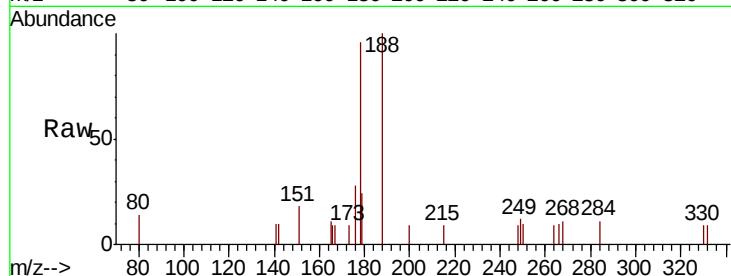
Tot Ion:178 Resp: 1087

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.6

179 16.6 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

16.93

400

300

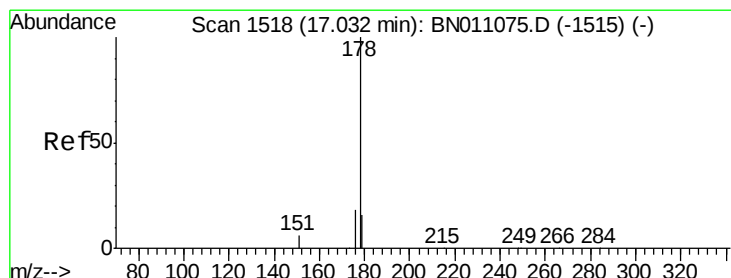
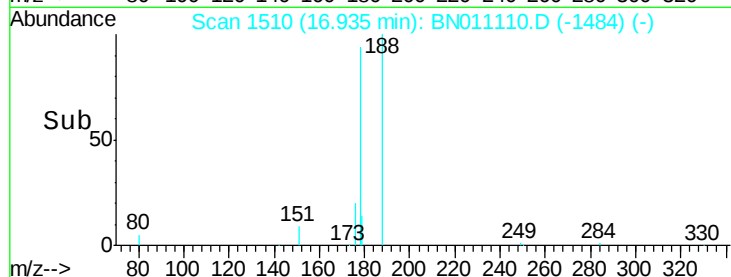
200

100

0

16.80 16.90 17.00

Time-->



#26

Anthracene

Concen: 0.060 ng

RT: 17.04 min Scan# 1519

Delta R.T. 0.02 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

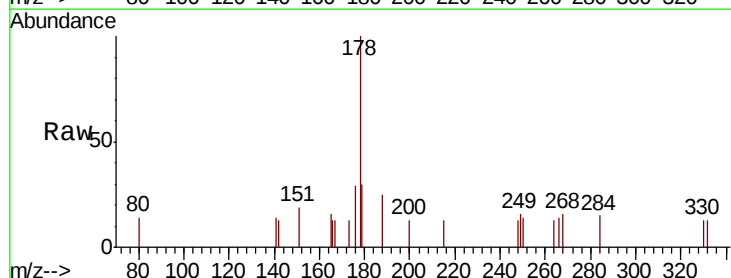
Tgt Ion:178 Resp: 835

Ion Ratio Lower Upper

178 100

176 18.6 14.2 21.4

179 15.7 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

17.04

400

300

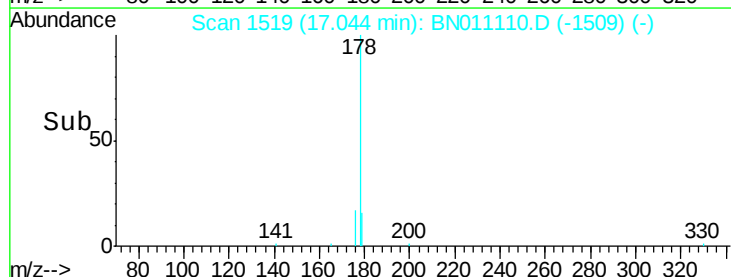
200

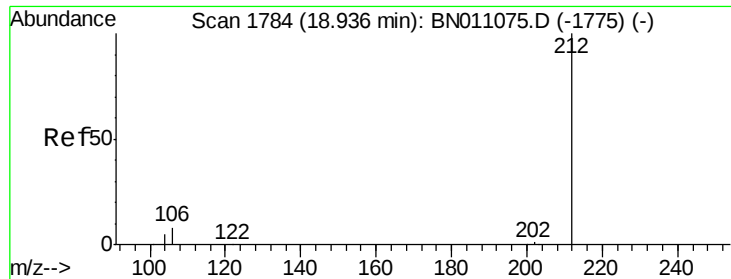
100

0

17.00 17.10 17.20

Time-->

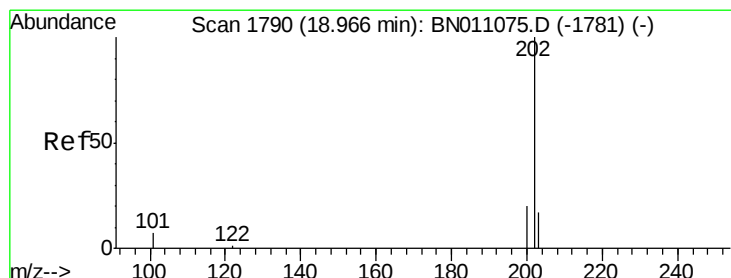
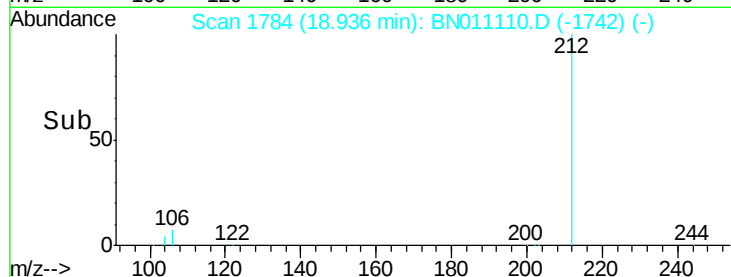
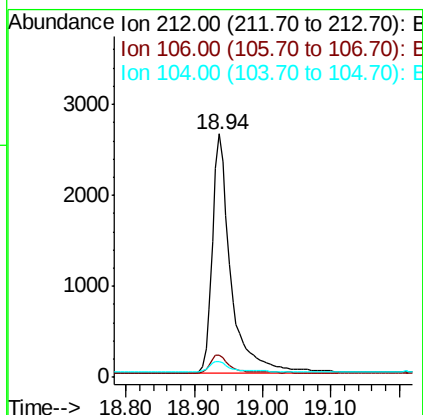
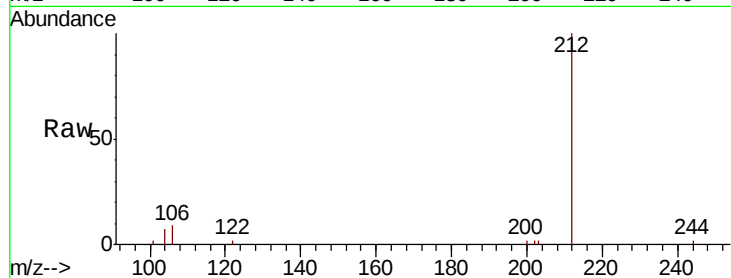




#27
 Fluoranthene-d10
 Concen: 0.323 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011110.D
 Acq: 07 Jul 2020 10:13

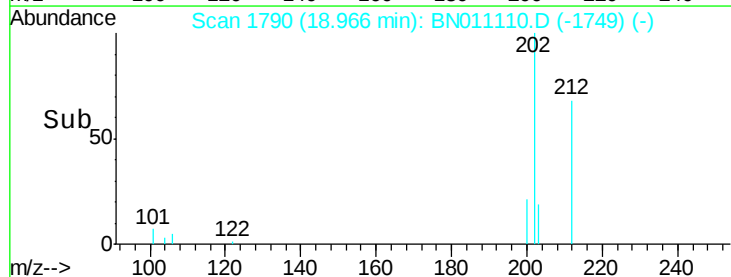
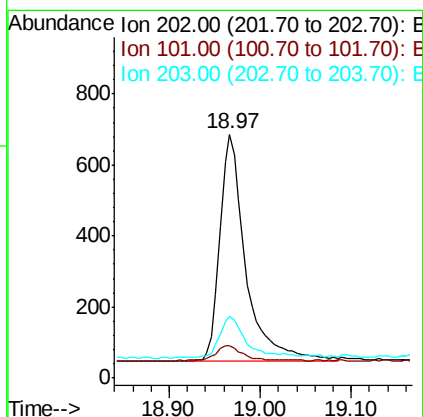
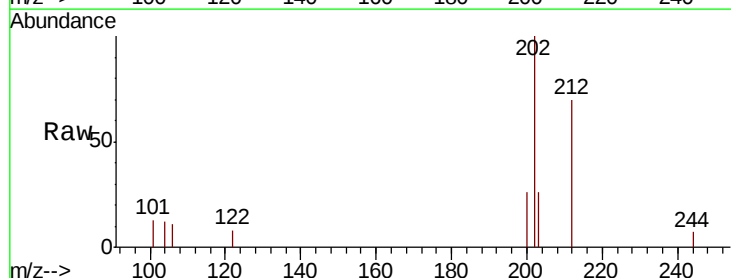
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-06

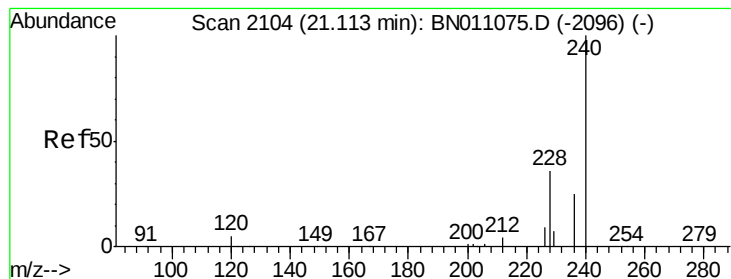
Tot Ion:212 Resp: 5044
 Ion Ratio Lower Upper
 212 100
 106 7.9 7.1 10.7
 104 4.6 4.2 6.4



#28
 Fluoranthene
 Concen: 0.068 ng
 RT: 18.97 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BN011110.D
 Acq: 07 Jul 2020 10:13

Tgt Ion:202 Resp: 1277
 Ion Ratio Lower Upper
 202 100
 101 7.9 6.3 9.5
 203 20.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

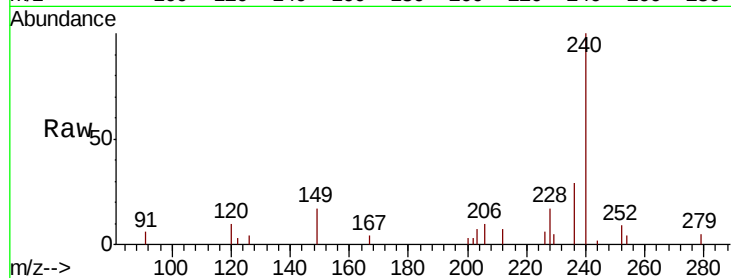
Tot Ion:240 Resp: 4292

Ion Ratio Lower Upper

240 100

120 10.0 6.5 9.7#

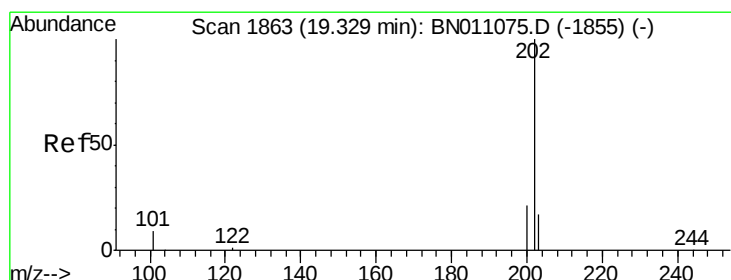
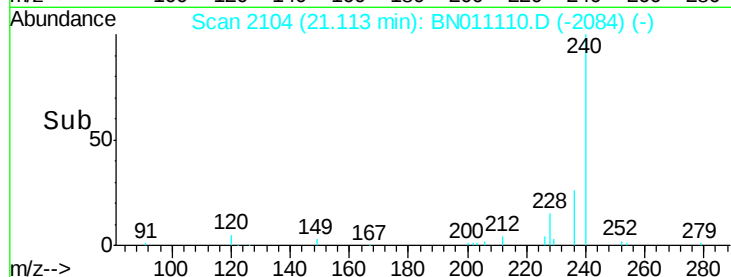
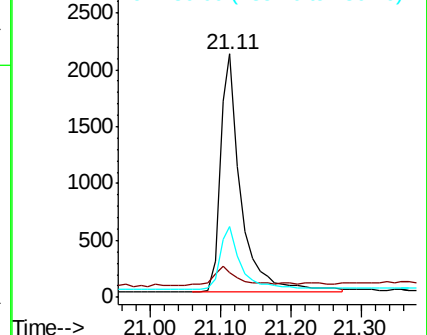
236 29.1 21.9 32.9



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: 0.080 ng

RT: 19.33 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

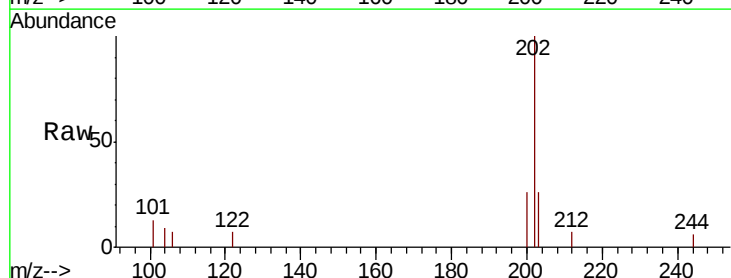
Tgt Ion:202 Resp: 1276

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

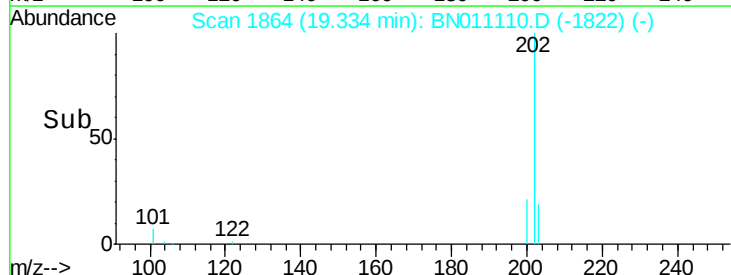
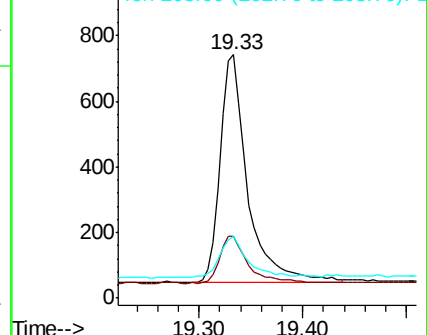
203 19.4 14.2 21.4

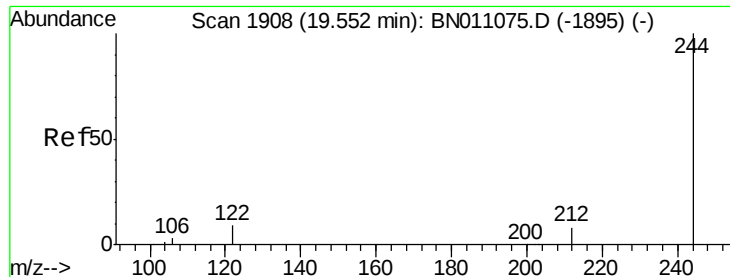


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.356 ng

RT: 19.56 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-06

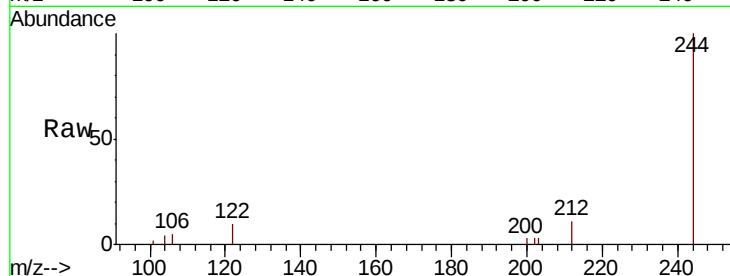
Tot Ion:244 Resp: 3979

Ion Ratio Lower Upper

244 100

212 10.6 7.5 11.3

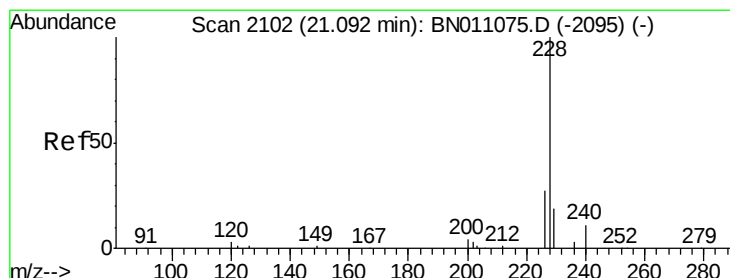
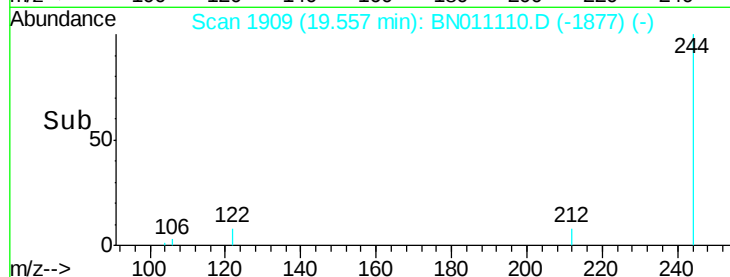
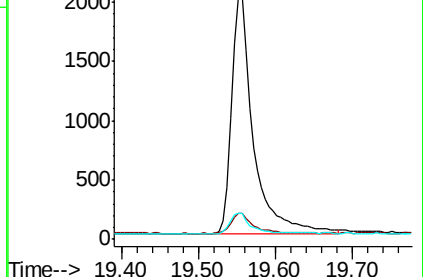
122 10.5 8.2 12.4



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: 0.067 ng

RT: 21.10 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

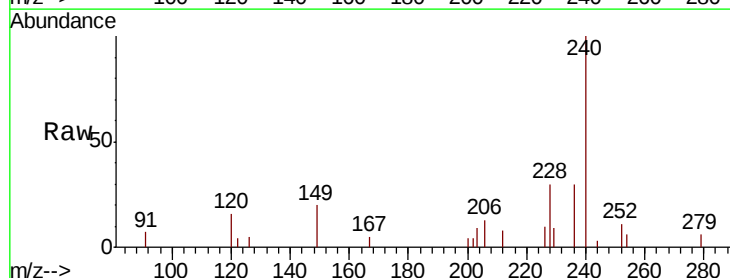
Tgt Ion:228 Resp: 955

Ion Ratio Lower Upper

228 100

226 33.9 22.0 33.0#

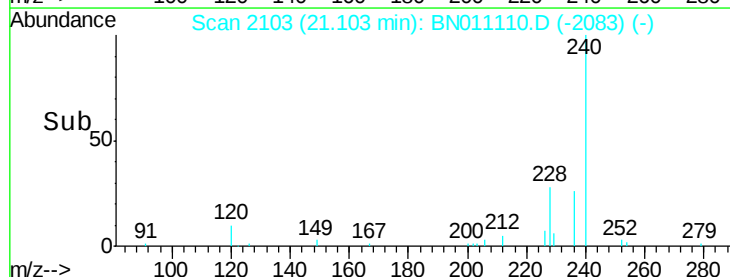
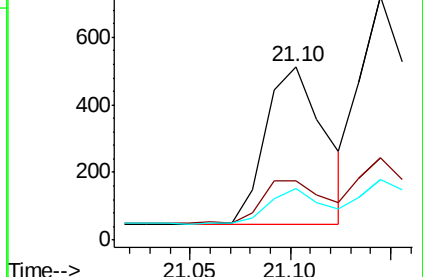
229 29.4 16.1 24.1#

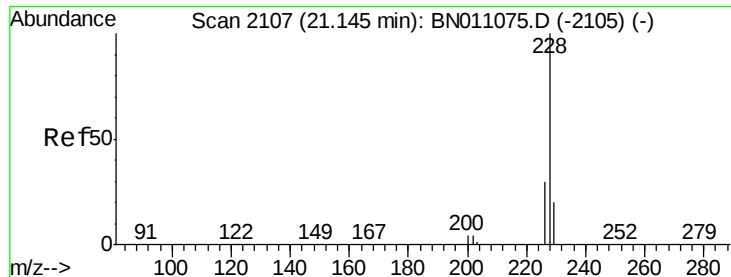


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.081 ng

RT: 21.15 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

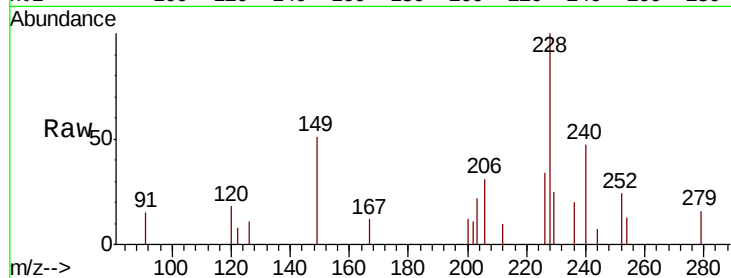
Tot Ion:228 Resp: 1325

Ion Ratio Lower Upper

228 100

226 34.0 24.0 36.0

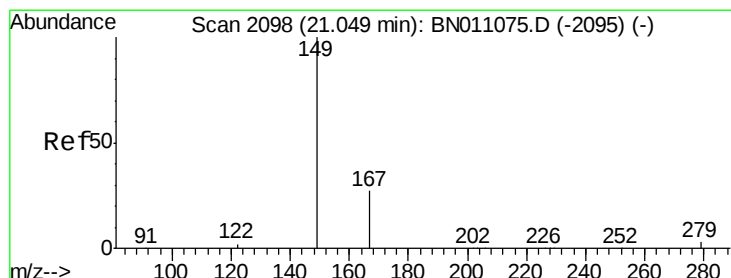
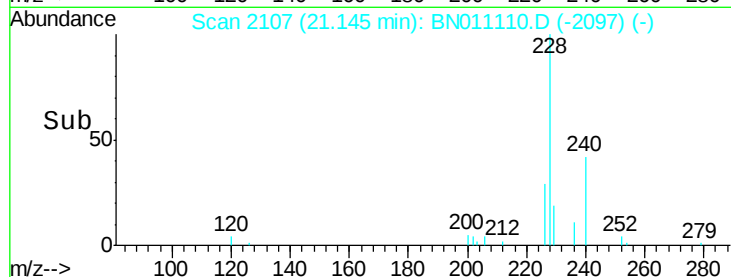
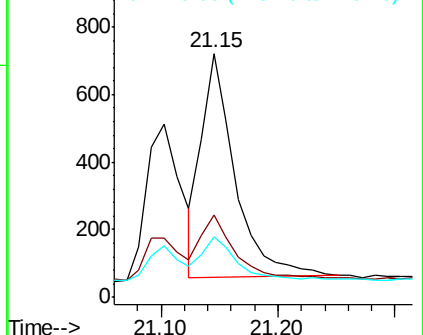
229 25.0 16.4 24.6#



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: 0.110 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

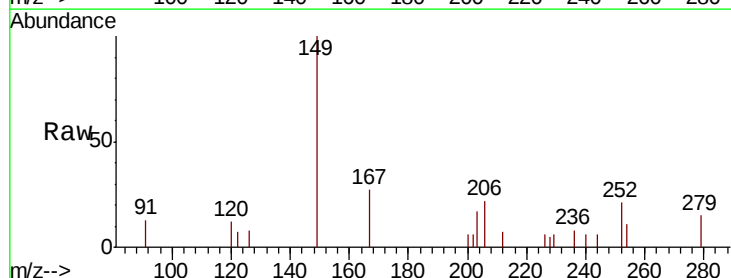
Tgt Ion:149 Resp: 637

Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

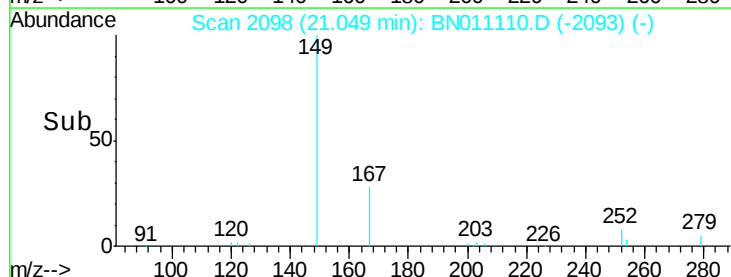
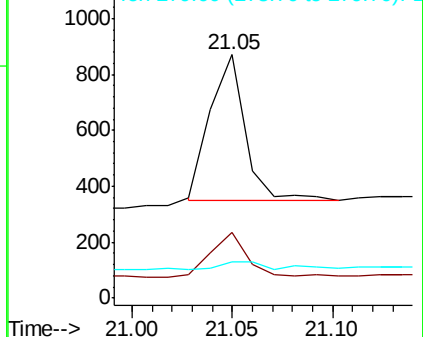
279 8.2 4.5 6.7#

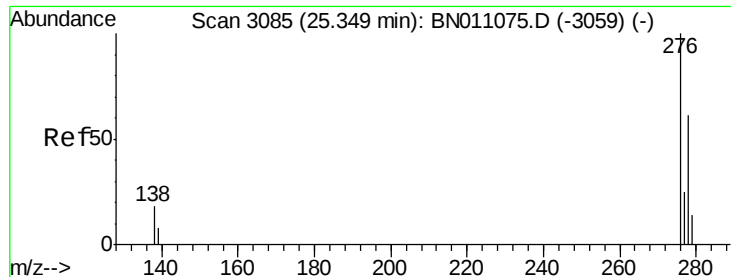


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.065 ng

RT: 25.36 min Scan# 3089

Delta R.T. 0.03 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

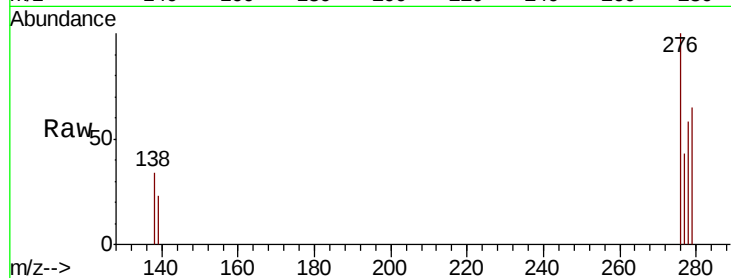
Tot Ion:276 Resp: 1115

Ion Ratio Lower Upper

276 100

138 8.9 15.4 23.0#

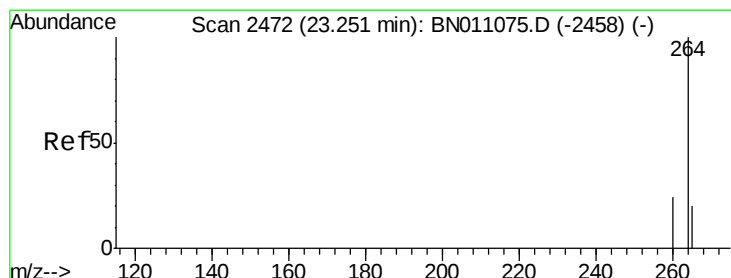
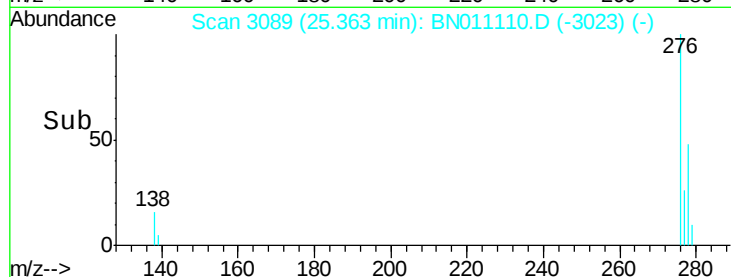
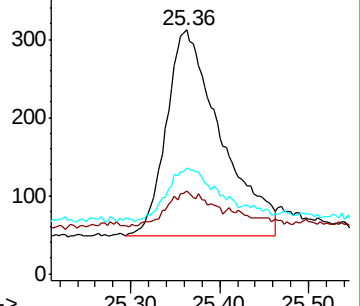
277 23.8 19.4 29.0



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: BN011110.D

Acq: 07 Jul 2020 10:13

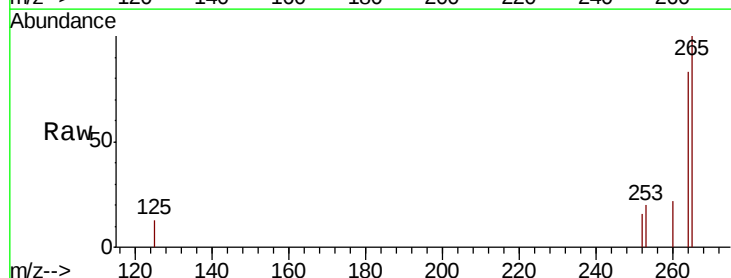
Tgt Ion:264 Resp: 4238

Ion Ratio Lower Upper

264 100

260 26.3 20.4 30.6

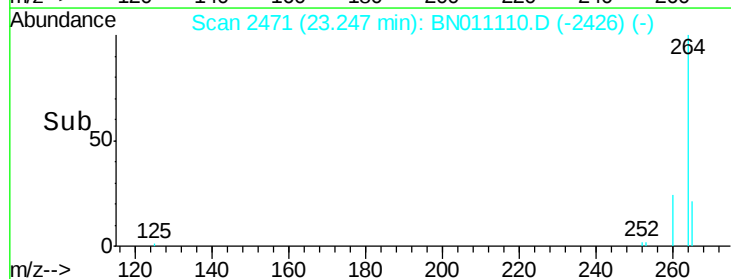
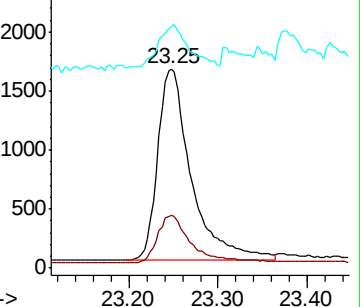
265 121.0 83.0 124.6

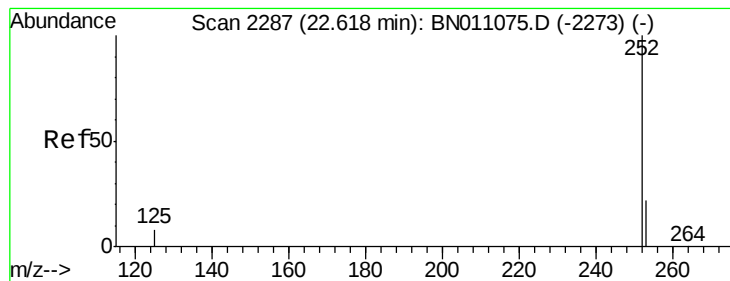


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 0.062 ng

RT: 22.62 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

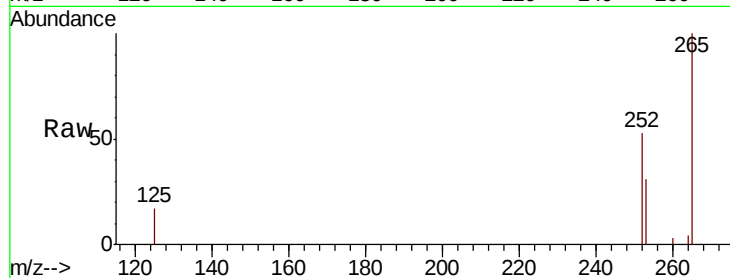
Tot Ion:252 Resp: 1054

Ion Ratio Lower Upper

252 100

253 58.3 22.7 34.1#

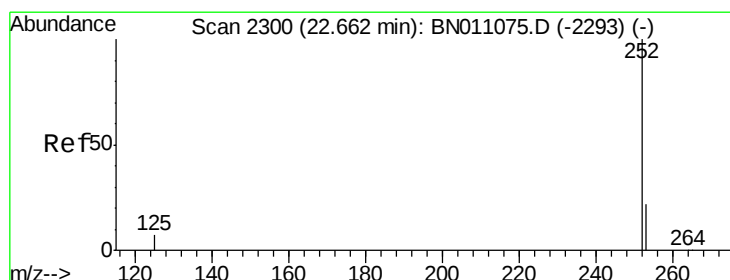
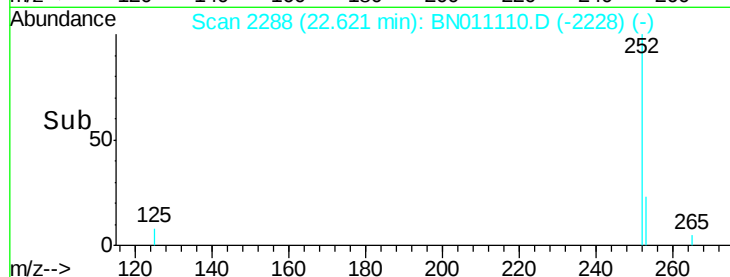
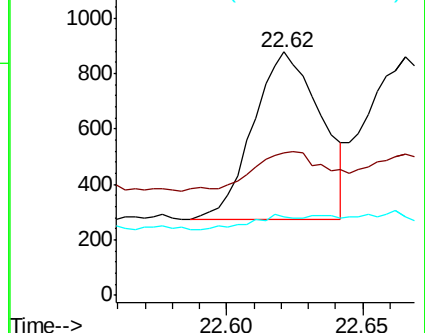
125 32.5 10.4 15.6#



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

Benzo(k)fluoranthene

Concen: 0.072 ng

RT: 22.67 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

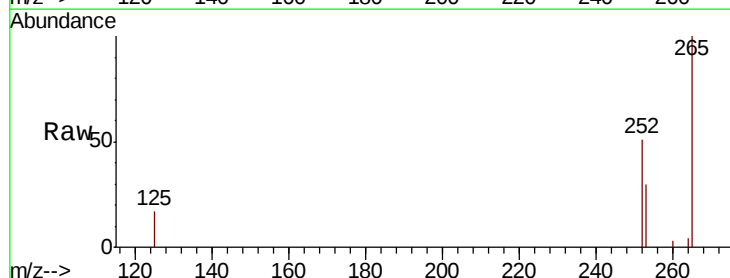
Tgt Ion:252 Resp: 1301

Ion Ratio Lower Upper

252 100

253 59.3 22.9 34.3#

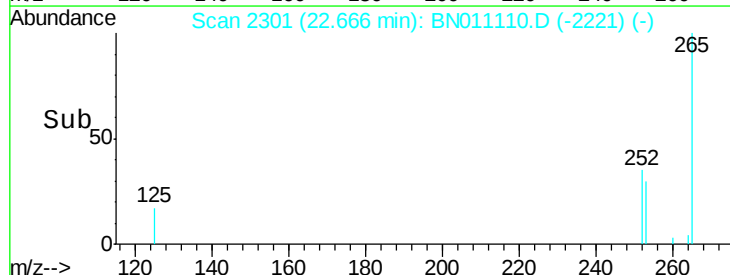
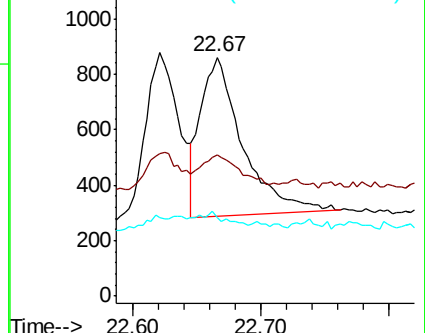
125 33.1 10.6 15.8#

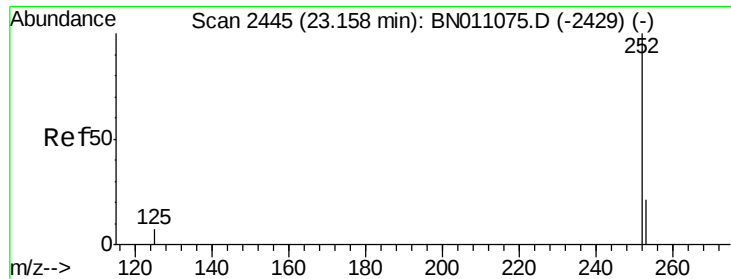


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.063 ng

RT: 23.17 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06

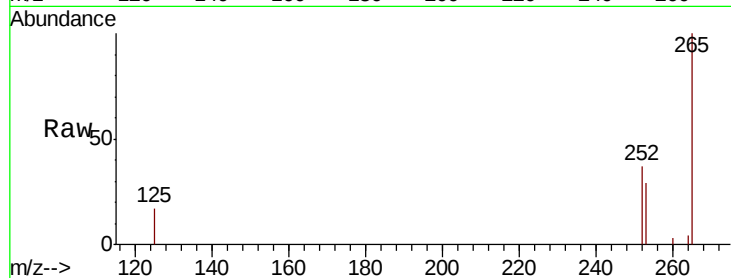
Tot Ion:252 Resp: 923

Ion Ratio Lower Upper

252 100

253 76.7 25.9 38.9#

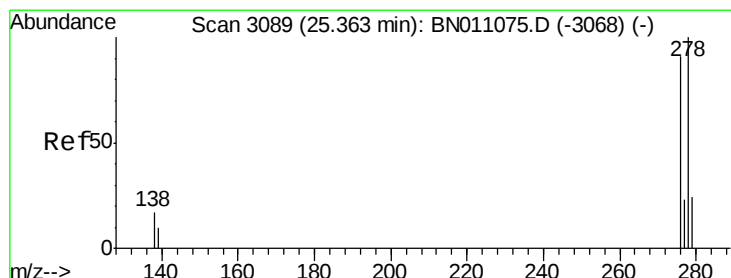
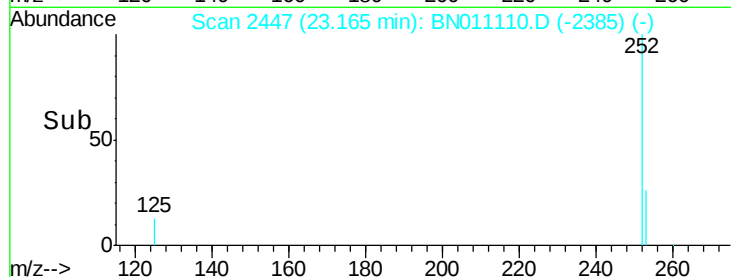
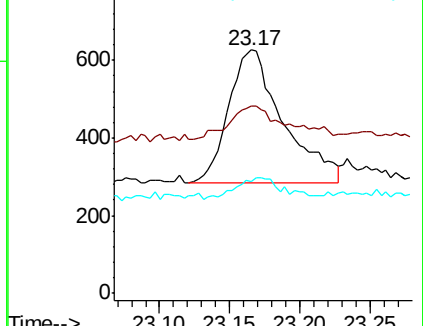
125 46.1 12.5 18.7#



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: 0.062 ng

RT: 25.39 min Scan# 3096

Delta R.T. 0.03 min

Lab File: BN011110.D

Acq: 07 Jul 2020 10:13

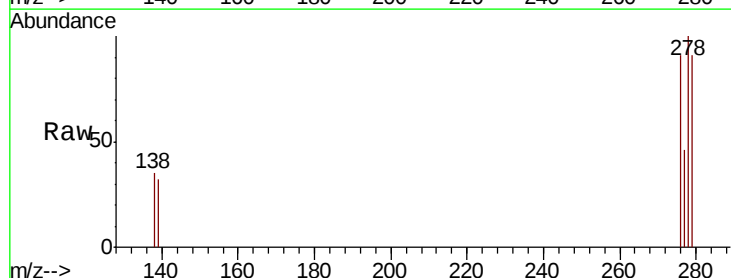
Tgt Ion:278 Resp: 923

Ion Ratio Lower Upper

278 100

139 31.9 11.9 17.9#

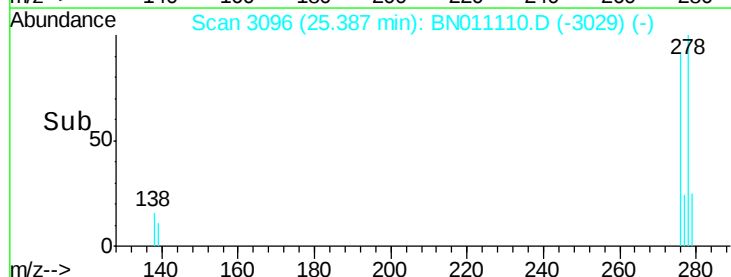
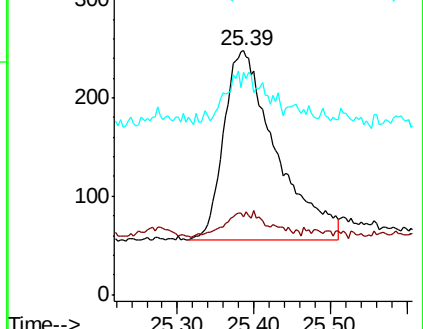
279 91.1 25.5 38.3#

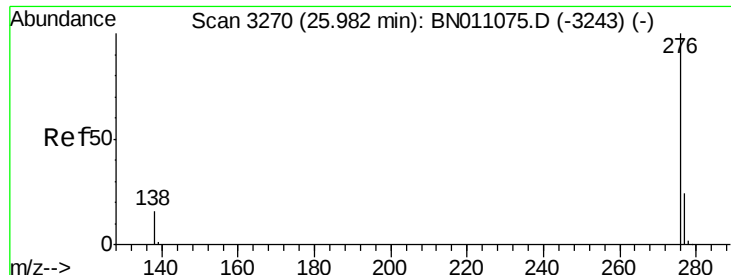


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.075 ng

RT: 25.98 min Scan# 3270

Delta R.T. 0.02 min

Lab File: BN011110.D

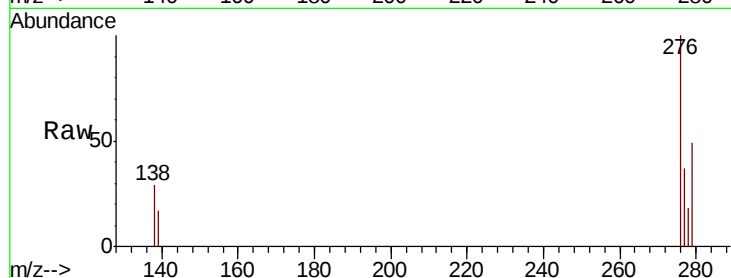
Acq: 07 Jul 2020 10:13

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-06



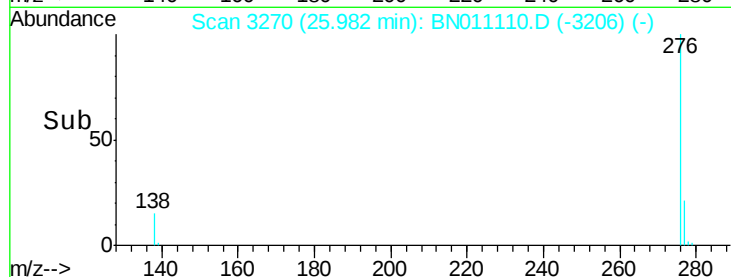
Tot Ion: 276 Resp: 1232

Ion Ratio Lower Upper

276 100

277 37.2 21.1 31.7#

138 29.1 15.0 22.6#



Abundance Ion 276.00 (275.70 to 276.70): E

500 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

400

300

200

100

0

25.80 25.90 26.00 26.10

Time-->