

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\
 Data File : BN011112.D
 Acq On : 07 Jul 2020 11:48
 Operator : CG/JU
 Sample : L1955-07
 Misc : MDL-SOIL-07
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Jul 07 13:25:38 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 13:23:56 2020
 Response via : Initial Calibration

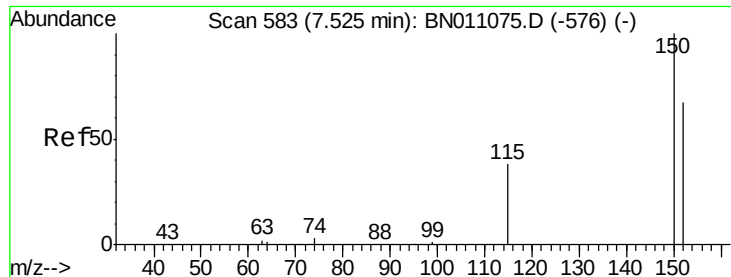
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	1587	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	4975	0.40	ng	0.01
13) Acenaphthene-d10	14.13	164	2667	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	5378	0.40	ng	0.01
29) Chrysene-d12	21.11	240	4559	0.40	ng	0.01
36) Perylene-d12	23.25	264	4630	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.17	112	1286	0.33	ng	0.00
5) Phenol-d6	6.72	99	1366	0.30	ng	0.00
8) Nitrobenzene-d5	8.67	82	922	0.22	ng	0.01
11) 2-Methylnaphthalene-d10	11.86	152	2670	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	342	0.31	ng	0.01
15) 2-Fluorobiphenyl	12.76	172	2616	0.21	ng	0.01
27) Fluoranthene-d10	18.94	212	5330	0.33	ng	0.00
31) Terphenyl-d14	19.56	244	3032	0.26	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	236	0.105	ng	# 83
3) n-Nitrosodimethylamine	3.59	42	53	0.047	ng	# 75
6) bis(2-Chloroethyl)ether	6.97	93	329	0.080	ng	91
9) Naphthalene	10.30	128	1411	0.095	ng	# 86
10) Hexachlorobutadiene	10.60	225	358	0.095	ng	# 95
12) 2-Methylnaphthalene	11.94	142	885	0.089	ng	# 94
16) Acenaphthylene	13.85	152	1151	0.086	ng	100
17) Acenaphthene	14.20	154	797	0.088	ng	99
18) Fluorene	15.21	166	950	0.084	ng	96
20) 4,6-Dinitro-2-methylphenol	15.35	198	43	0.075	ng	# 51
21) 4-Bromophenyl-phenylether	16.11	248	259	0.072	ng	86
22) Hexachlorobenzene	16.20	284	397	0.094	ng	99
23) Atrazine	16.40	200	245	0.097	ng	# 79
24) Pentachlorophenol	16.57	266	255	0.225	ng	# 84
25) Phenanthrene	16.93	178	1463	0.084	ng	98
26) Anthracene	17.04	178	1203	0.083	ng	99
28) Fluoranthene	18.97	202	1766	0.090	ng	99
30) Pyrene	19.33	202	1698	0.100	ng	99
32) Benzo(a)anthracene	21.10	228	1369	0.090	ng	# 92
33) Chrysene	21.14	228	1736	0.099	ng	94
34) Bis(2-ethylhexyl)phthalate	21.05	149	800	0.130	ng	# 99
35) Indeno(1,2,3-cd)pyrene	25.36	276	1491	0.082	ng	# 89
37) Benzo(b)fluoranthene	22.62	252	1444	0.078	ng	# 61
38) Benzo(k)fluoranthene	22.66	252	1678	0.084	ng	# 59
39) Benzo(a)pyrene	23.17	252	1282	0.080	ng	# 36
40) Dibenzo(a,h)anthracene	25.38	278	958	0.058	ng	# 32
41) Benzo(g,h,i)perylene	25.98	276	1594	0.088	ng	# 83

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

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\  
Data File : BN011112.D  
Acq On    : 07 Jul 2020  11:48  
Operator  : CG/JU  
Sample    : L1955-07  
Misc      : MDL-SOIL-07  
ALS Vial  : 6    Sample Multiplier: 1
```

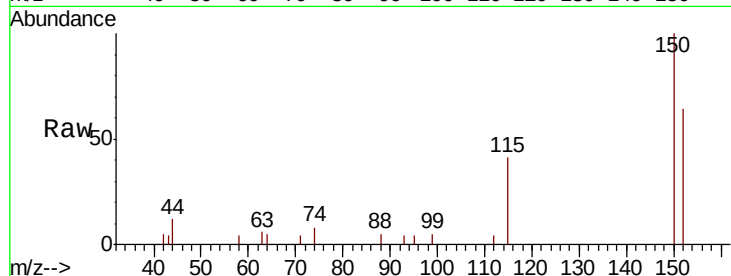


#1

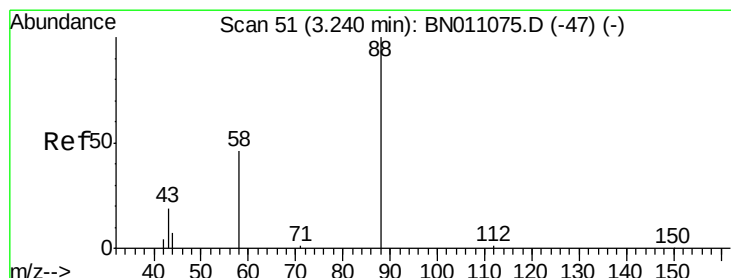
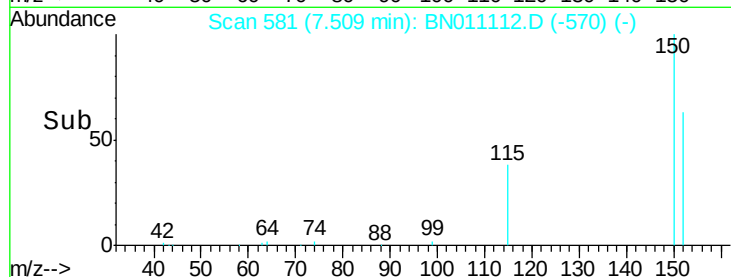
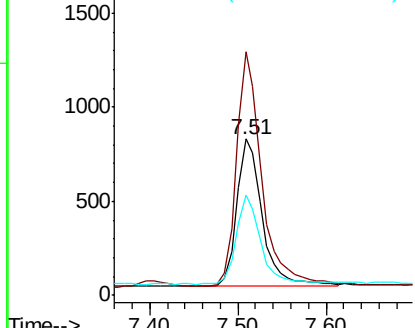
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.51 min Scan# 581
Delta R.T. -0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Tot Ion:152 Resp: 1587
Ion Ratio Lower Upper
152 100
150 155.8 117.4 176.0
115 64.4 47.9 71.9



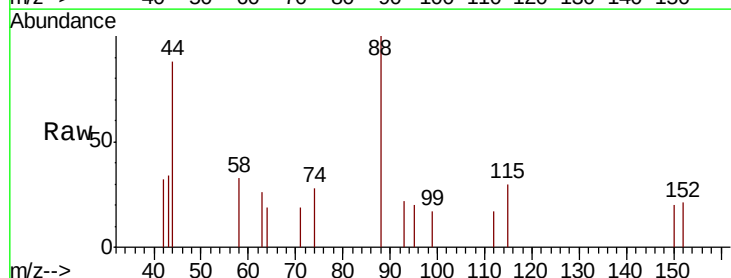
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



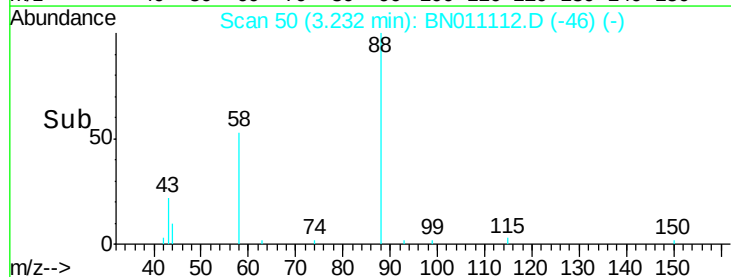
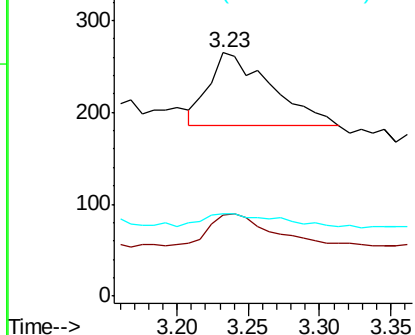
#2

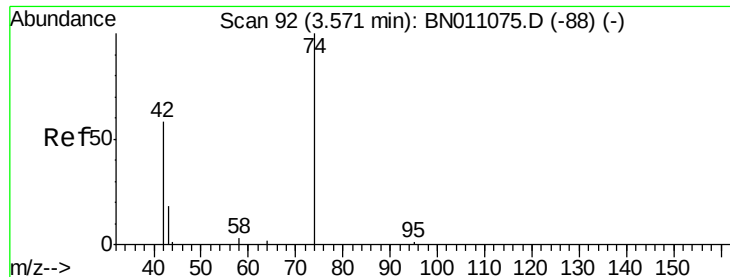
1,4-Dioxane
Concen: 0.105 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.02 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
58 33.9 38.6 57.8#
43 21.6 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



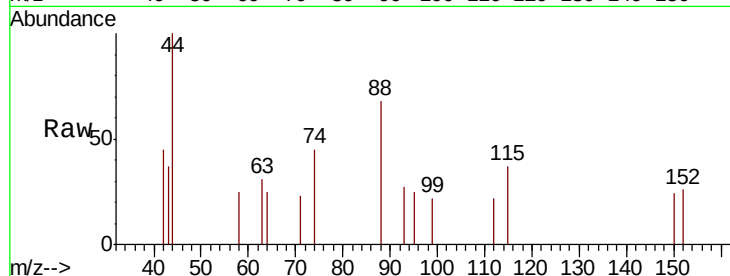


#3

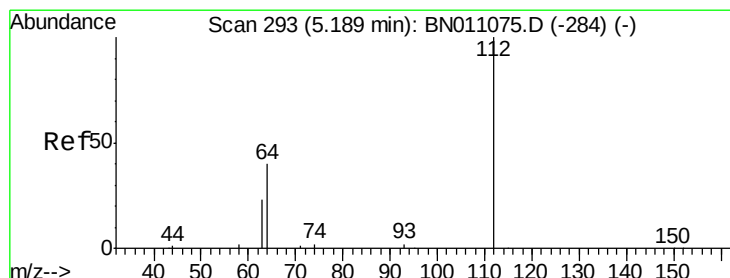
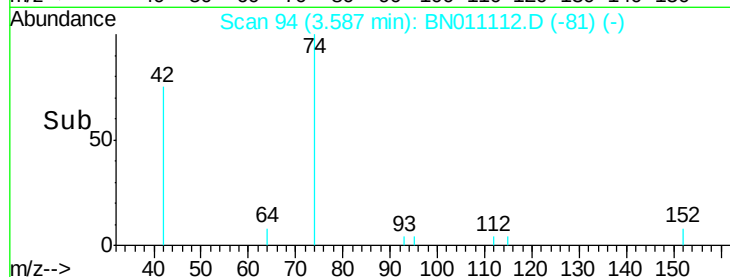
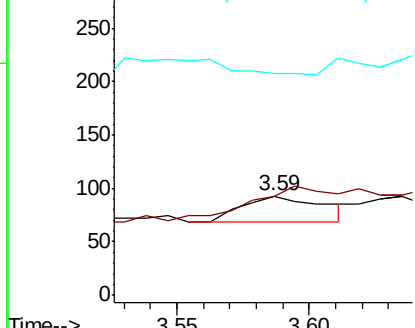
n-Nitrosodimethylamine
 Concen: 0.047 ng
 RT: 3.59 min Scan# 94
 Delta R.T. 0.01 min
 Lab File: BN011112.D
 Acq: 07 Jul 2020 11:48

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:	42	Resp:	53
Ion	Ratio	Lower	Upper
42	100		
74	143.4	142.5	213.7
44	0.0	0.0	0.0



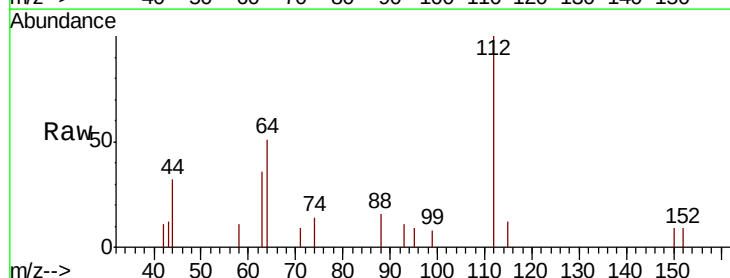
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



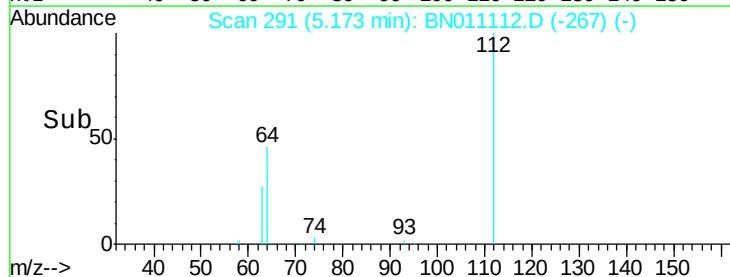
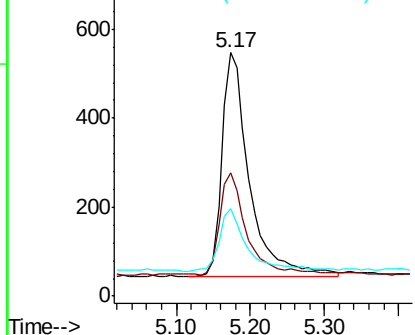
#4

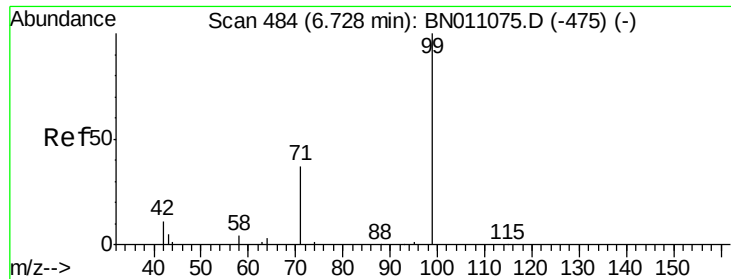
2-Fluorophenol
 Concen: 0.326 ng
 RT: 5.17 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: BN011112.D
 Acq: 07 Jul 2020 11:48

Tgt Ion:	112	Resp:	1286
Ion	Ratio	Lower	Upper
112	100		
64	45.4	36.5	54.7
63	27.8	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: 0.301 ng

RT: 6.72 min Scan# 483

Delta R.T. -0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

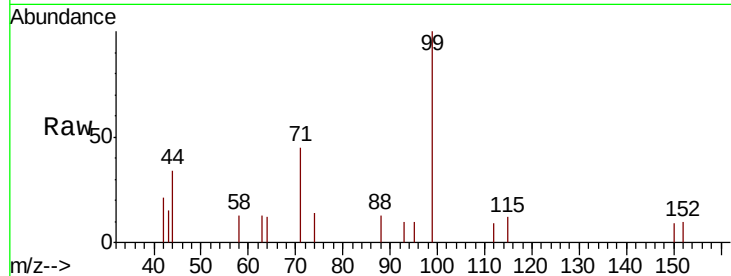
Tot Ion: 99 Resp: 1366

Ion Ratio Lower Upper

99 100

42 13.8 9.8 14.8

71 40.8 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011112.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011112.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011112.D (-471) (-)

6.72

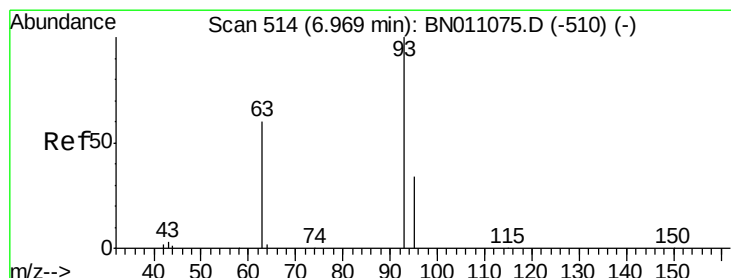
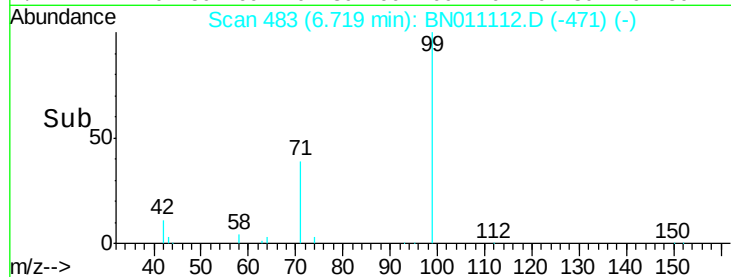
400

200

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.080 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

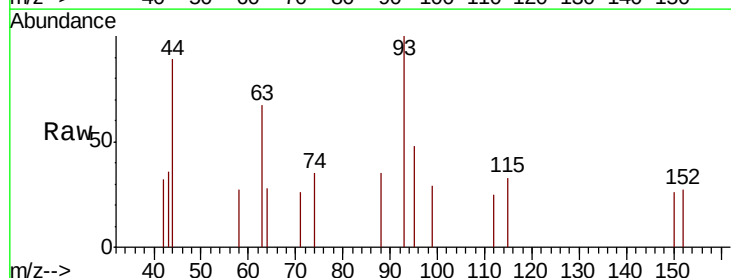
Tgt Ion: 93 Resp: 329

Ion Ratio Lower Upper

93 100

63 50.8 47.4 71.2

95 35.3 26.4 39.6



Abundance Ion 93.00 (92.70 to 93.70): BN011112.D (-488) (-)

Ion 63.00 (62.70 to 63.70): BN011112.D (-488) (-)

Ion 95.00 (94.70 to 95.70): BN011112.D (-488) (-)

6.97

300

200

150

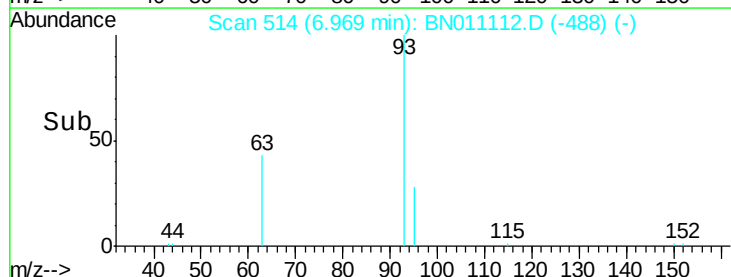
100

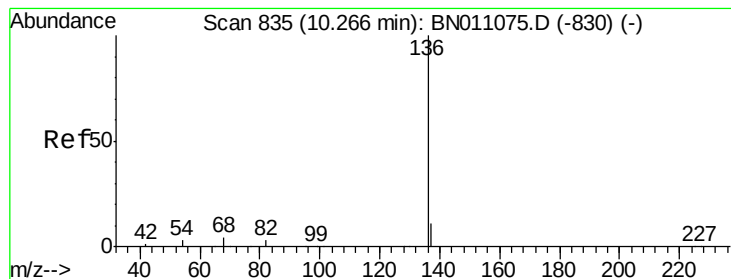
50

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: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

Tot Ion:136 Resp: 4975

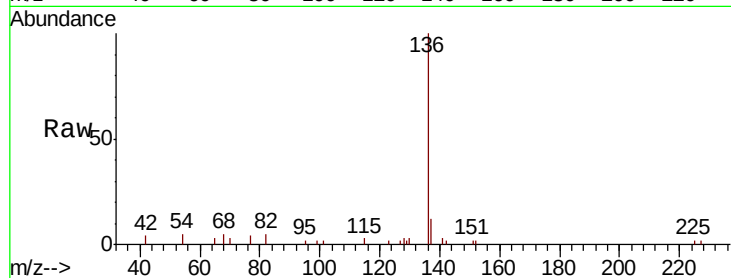
Ion Ratio Lower Upper

136 100

137 12.5 9.6 14.4

54 5.4 3.8 5.6

68 5.2 4.3 6.5

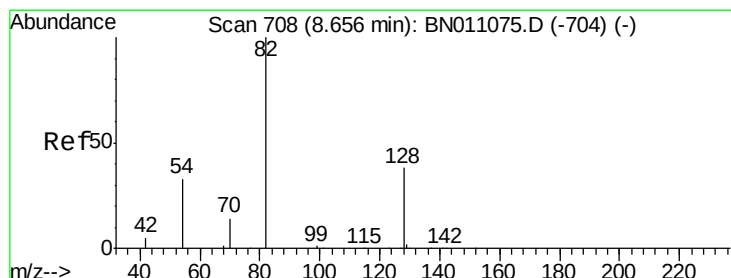
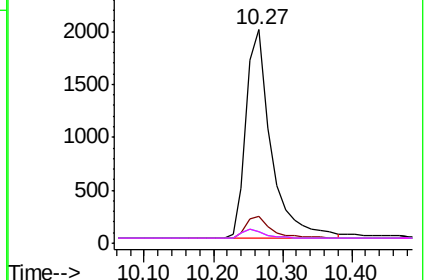
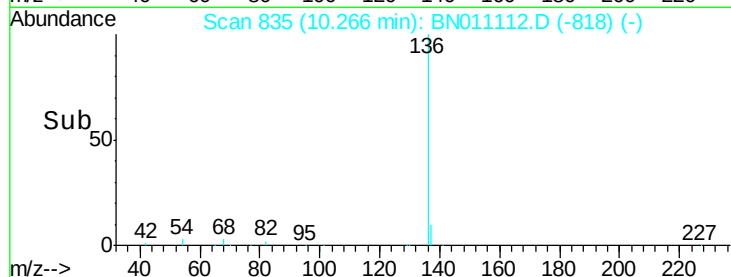


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.218 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

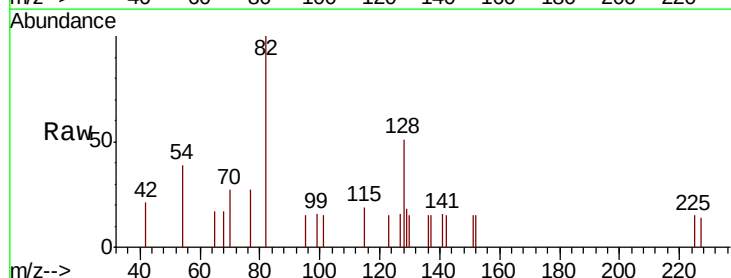
Tgt Ion: 82 Resp: 922

Ion Ratio Lower Upper

82 100

128 50.9 34.2 51.2

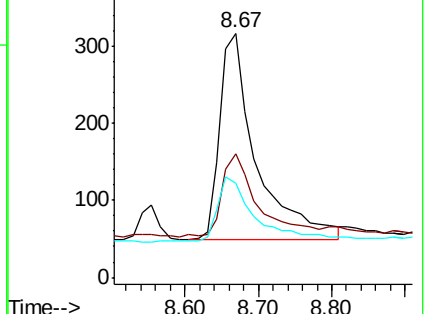
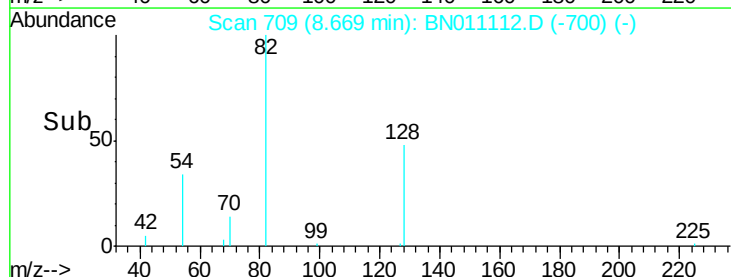
54 38.6 29.4 44.0

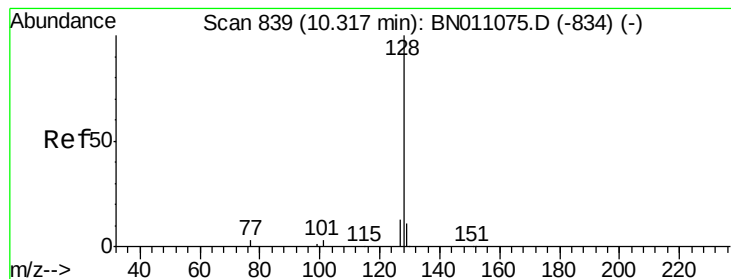


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.095 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

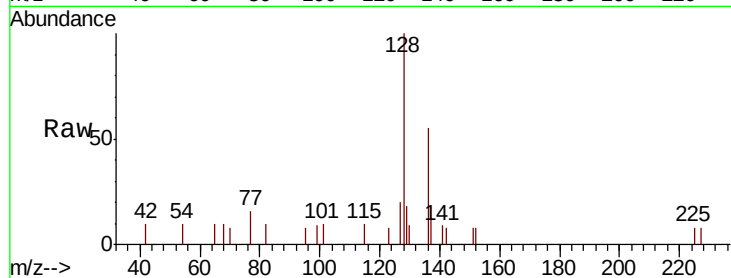
Tot Ion:128 Resp: 1411

Ion Ratio Lower Upper

128 100

129 17.9 9.8 14.8#

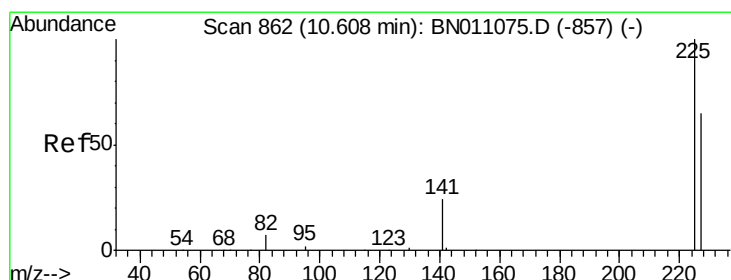
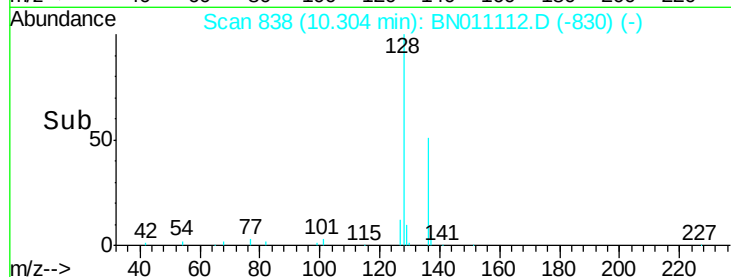
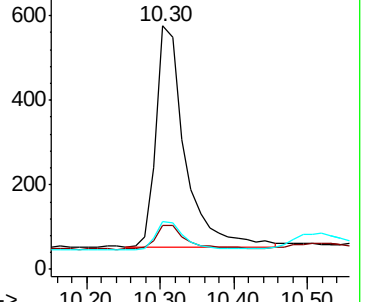
127 19.6 11.3 16.9#



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: 0.095 ng

RT: 10.60 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

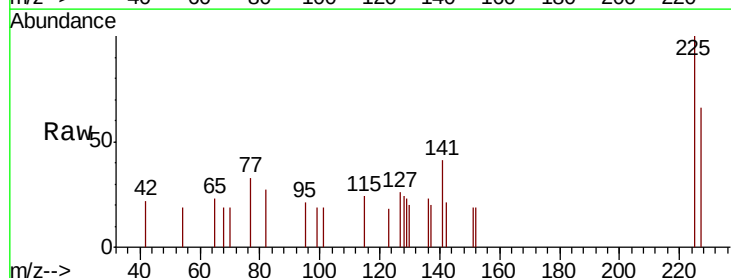
Tgt Ion:225 Resp: 358

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

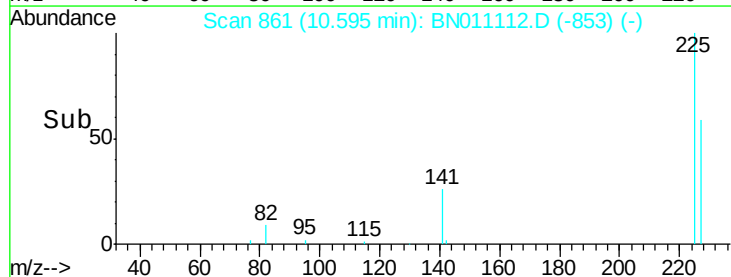
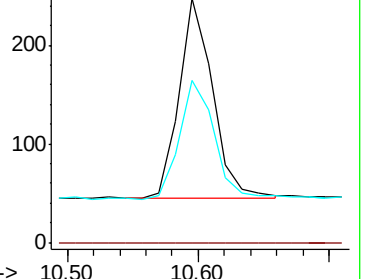
227 60.6 51.4 77.2

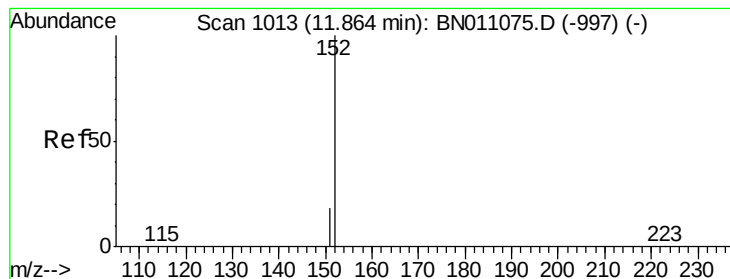


Abundance Ion 225.00 (224.70 to 225.70): E

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: 11.86 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

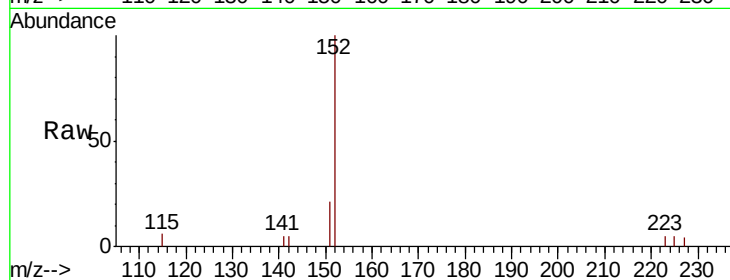
MDL-SOIL-07

Tot Ion:152 Resp: 2670

Ion Ratio Lower Upper

152 100

151 18.6 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.86

1000

800

600

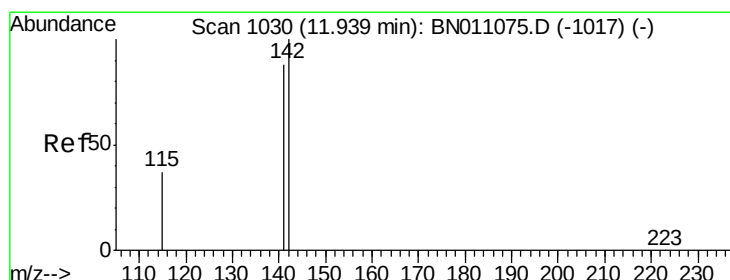
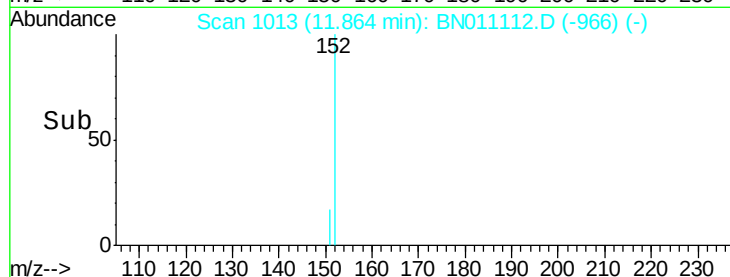
400

200

0

Time-->

11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.089 ng

RT: 11.94 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

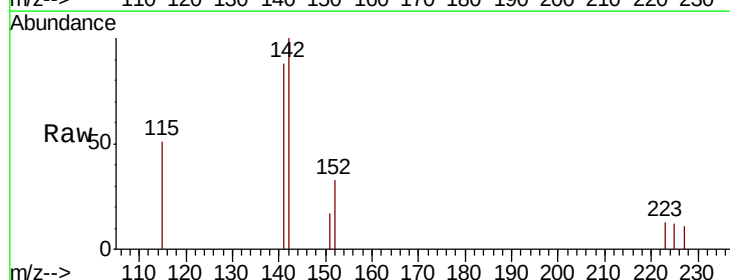
Tgt Ion:142 Resp: 885

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5

115 50.5 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

11.94

600

500

400

300

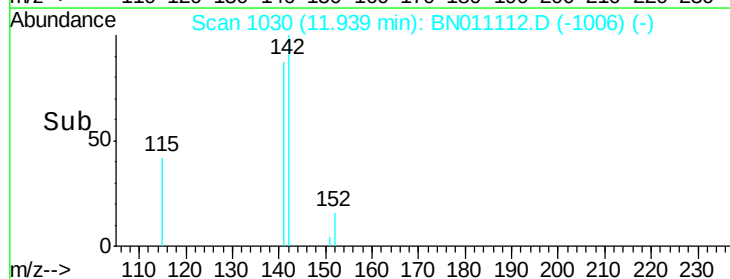
200

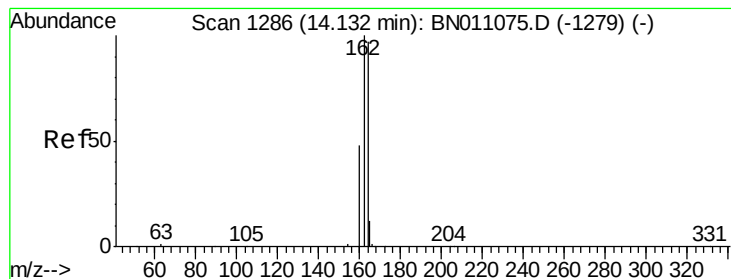
100

0

Time-->

11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.13 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

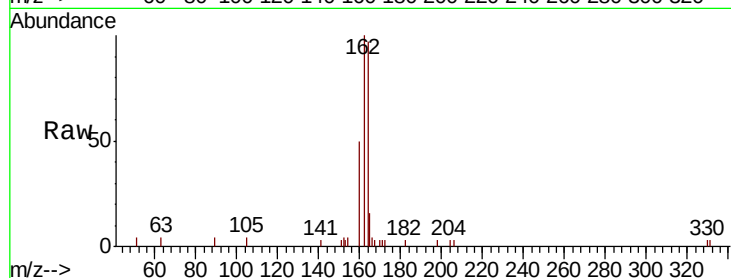
Tot Ion:164 Resp: 2667

Ion Ratio Lower Upper

164 100

162 103.1 82.3 123.5

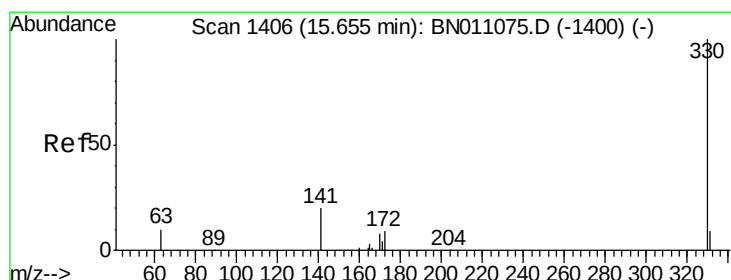
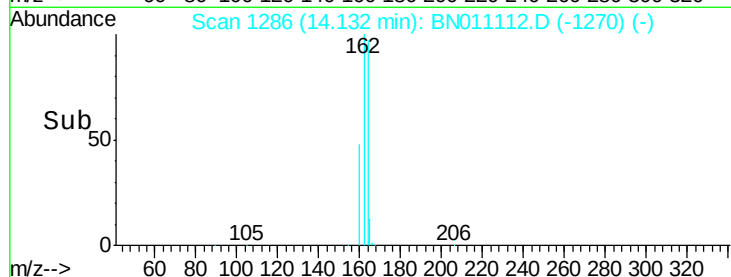
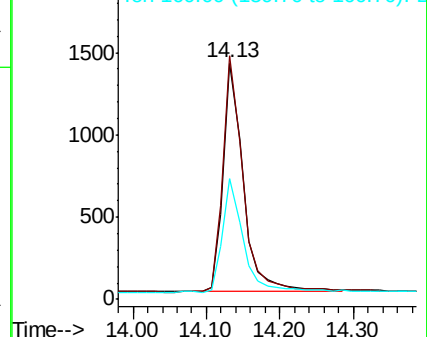
160 51.2 40.6 61.0



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

2,4,6-Tribromophenol

Concen: 0.305 ng

RT: 15.65 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

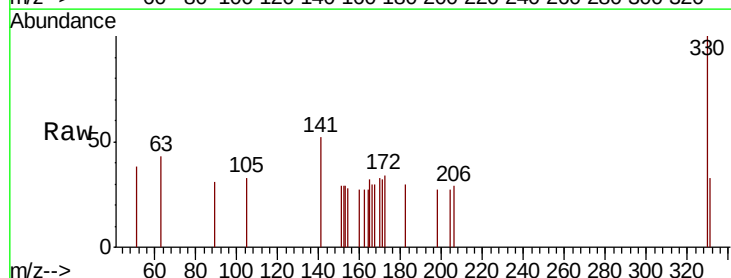
Tgt Ion:330 Resp: 342

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

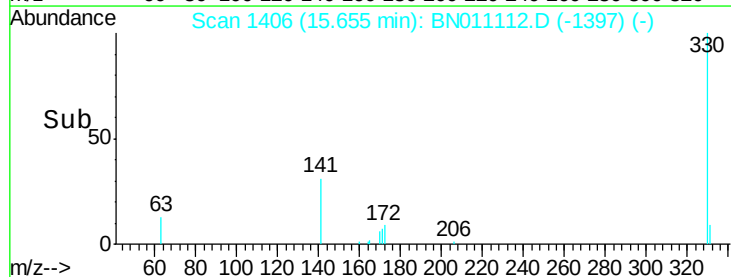
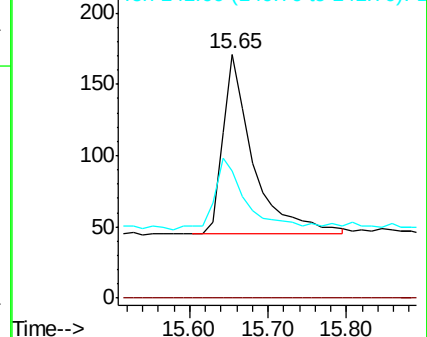
141 42.4 32.6 49.0

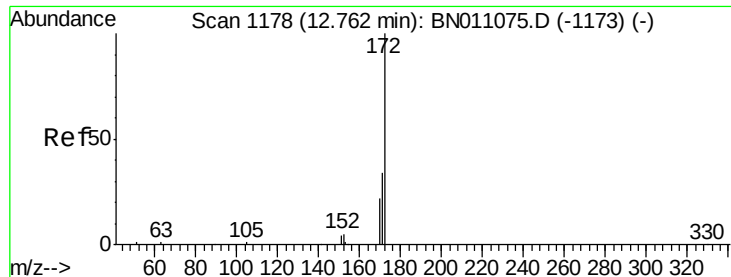


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

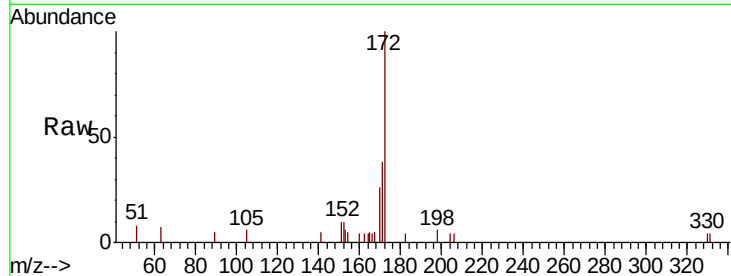




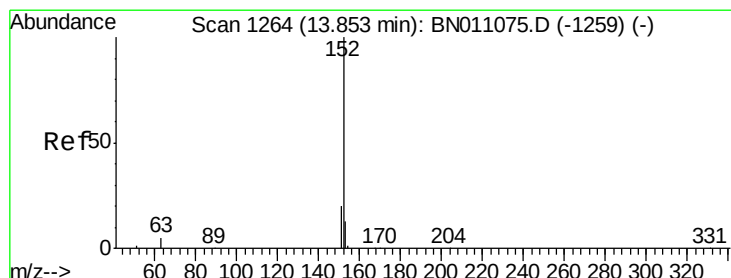
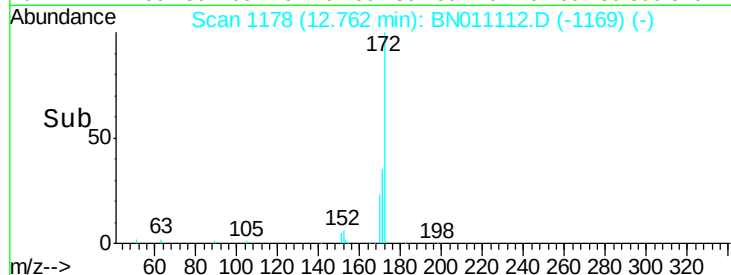
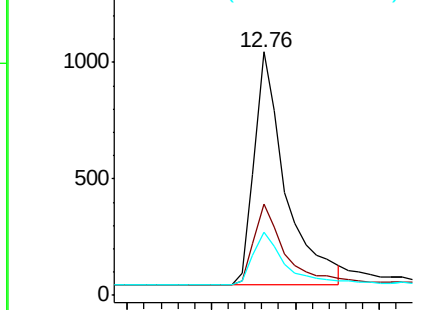
#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Tot Ion:172 Resp: 2616
Ion Ratio Lower Upper
172 100
171 37.7 27.9 41.9
170 26.1 18.7 28.1

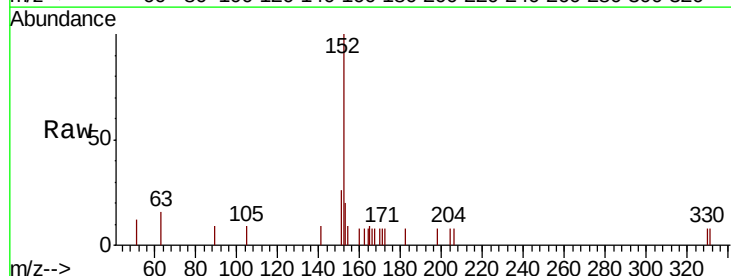


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

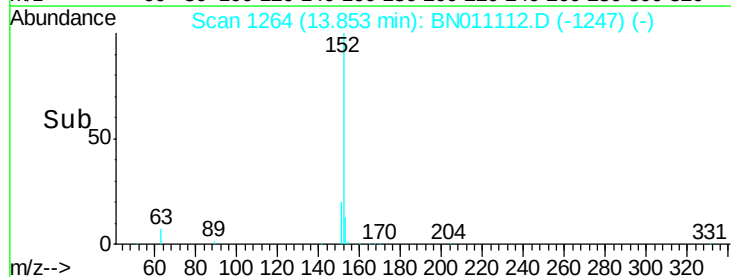
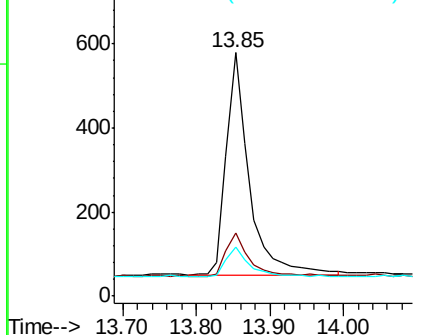


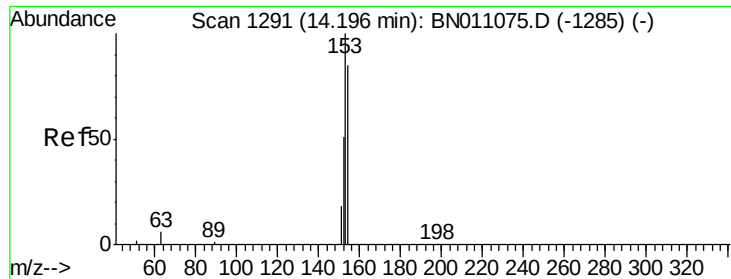
#16
Acenaphthylene
Concen: 0.086 ng
RT: 13.85 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion:152 Resp: 1151
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.7 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

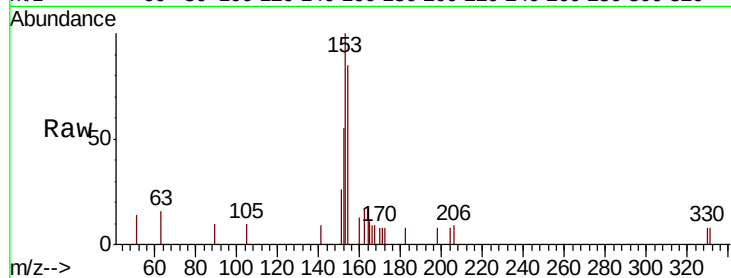




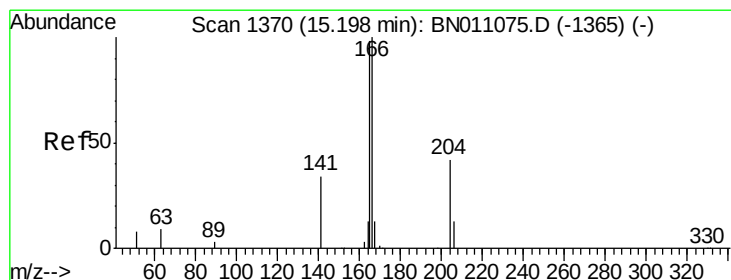
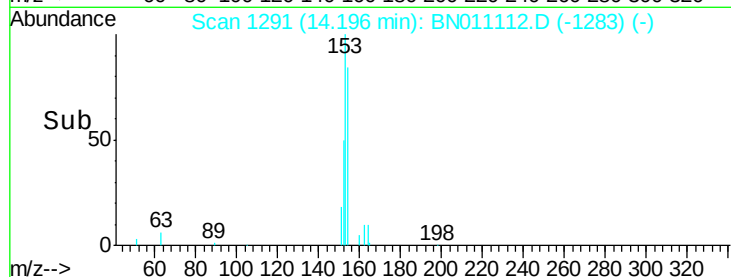
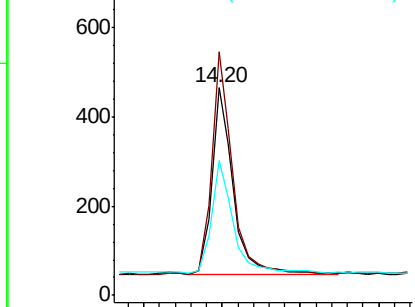
#17
Acenaphthene
Concen: 0.088 ng
RT: 14.20 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Tot Ion:154 Resp: 797
Ion Ratio Lower Upper
154 100
153 115.3 91.7 137.5
152 60.5 46.8 70.2

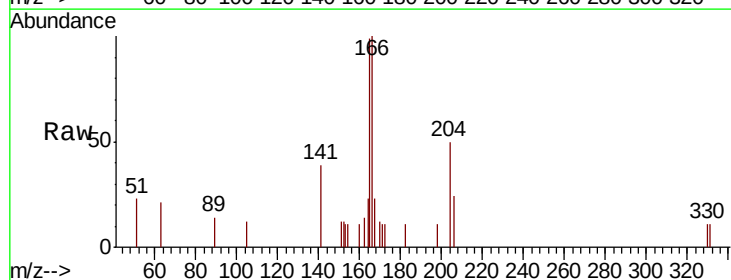


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

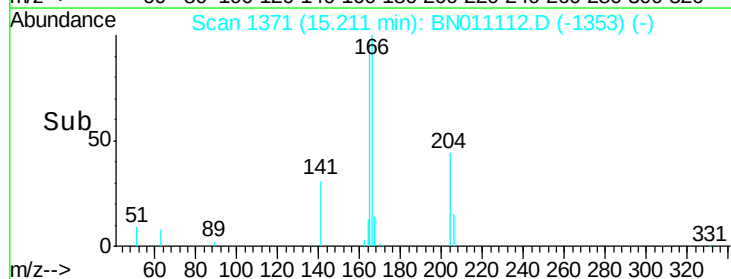
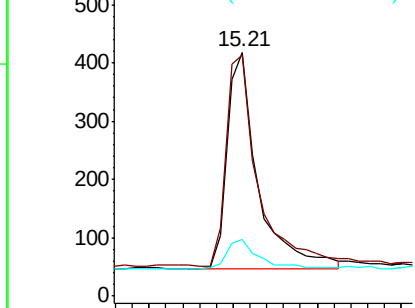


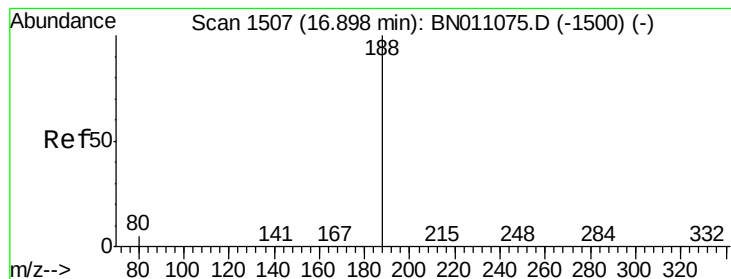
#18
Fluorene
Concen: 0.084 ng
RT: 15.21 min Scan# 1371
Delta R.T. 0.03 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion:166 Resp: 950
Ion Ratio Lower Upper
166 100
165 103.1 78.9 118.3
167 14.3 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

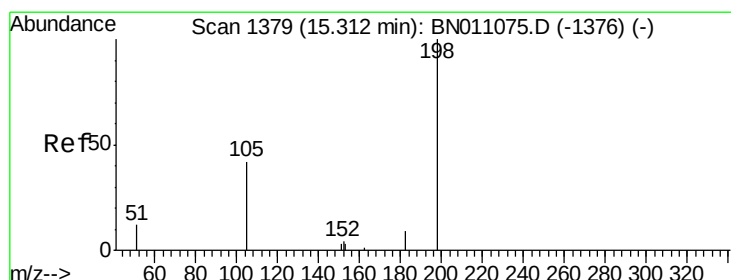
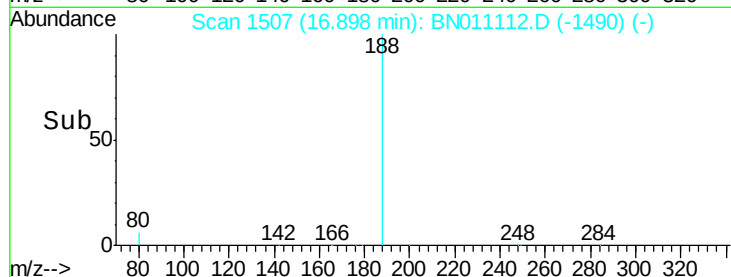
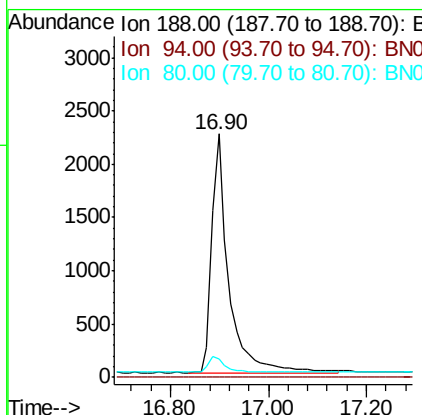
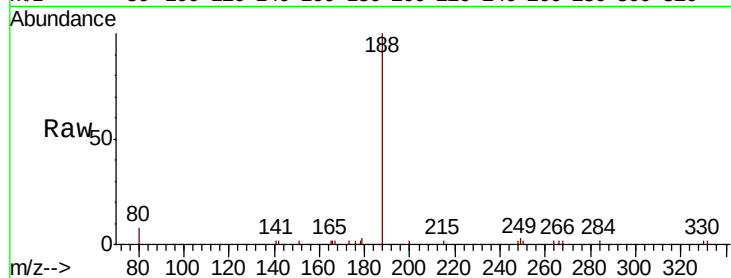




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

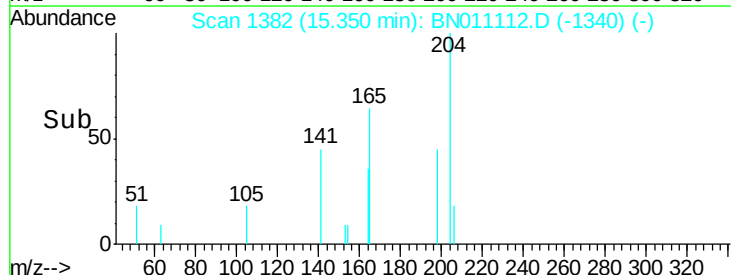
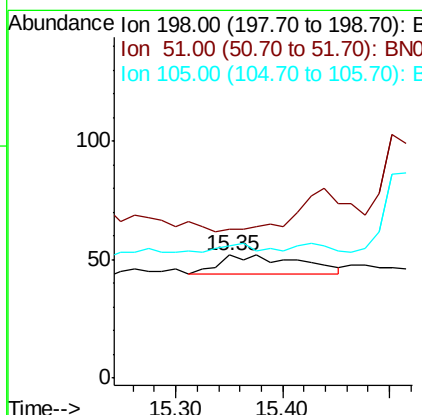
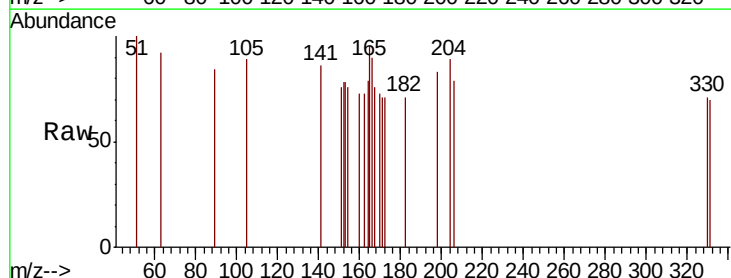
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

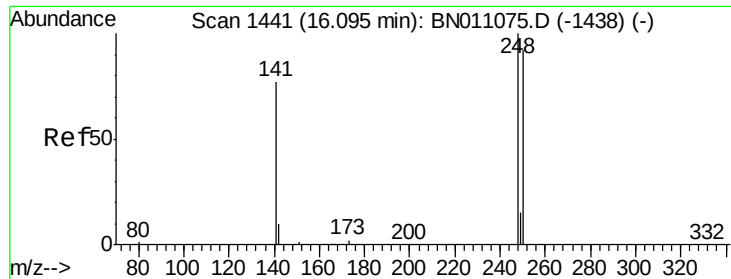
Tot Ion:188 Resp: 5378
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.6 5.3 7.9



#20
4,6-Dinitro-2-methylphenol
Concen: 0.075 ng
RT: 15.35 min Scan# 1382
Delta R.T. 0.04 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion:198 Resp: 43
Ion Ratio Lower Upper
198 100
51 121.2 58.2 87.4#
105 107.7 59.0 88.4#

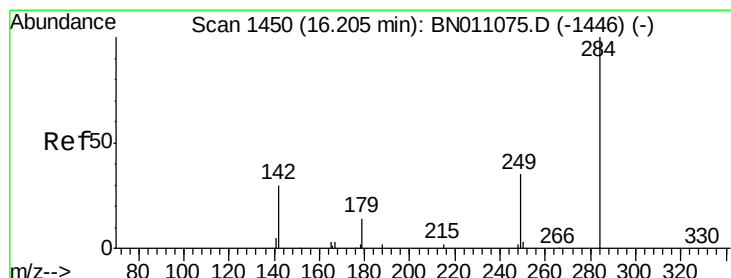
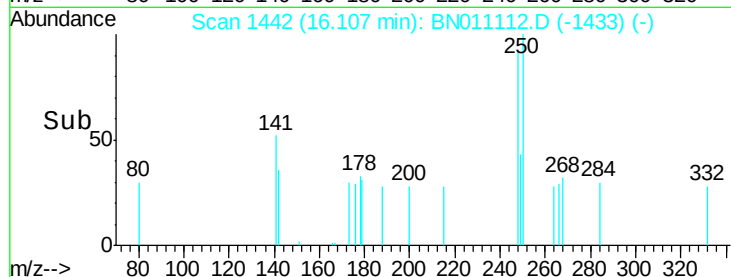
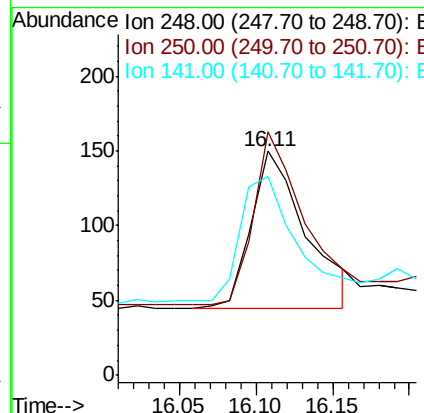
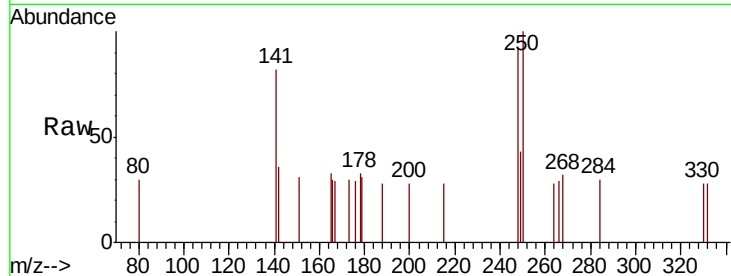




#21
4-Bromophenyl-phenylether
Concen: 0.072 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

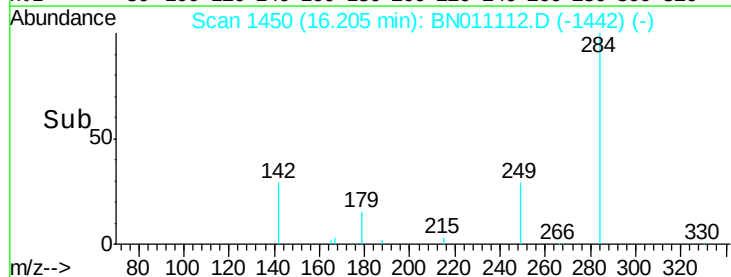
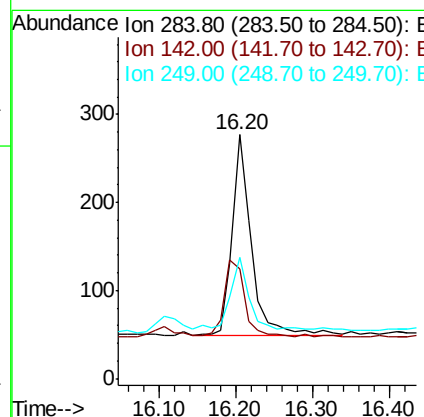
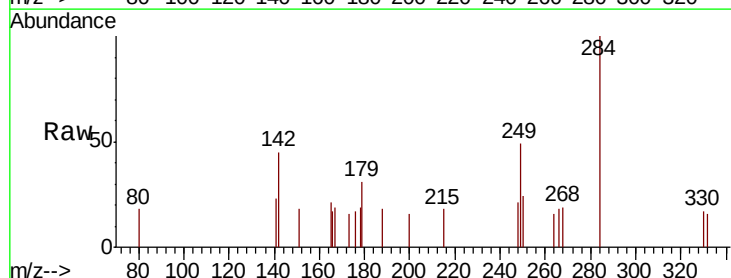
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

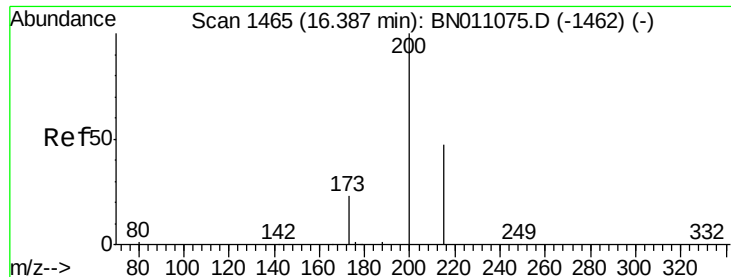
Tot Ion:248 Resp: 259
Ion Ratio Lower Upper
248 100
250 108.7 73.8 110.8
141 88.7 63.1 94.7



#22
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion:284 Resp: 397
Ion Ratio Lower Upper
284 100
142 41.3 33.3 49.9
249 33.5 27.4 41.2





#23

Atrazine

Concen: 0.097 ng

RT: 16.40 min Scan# 1466

Delta R.T. 0.02 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

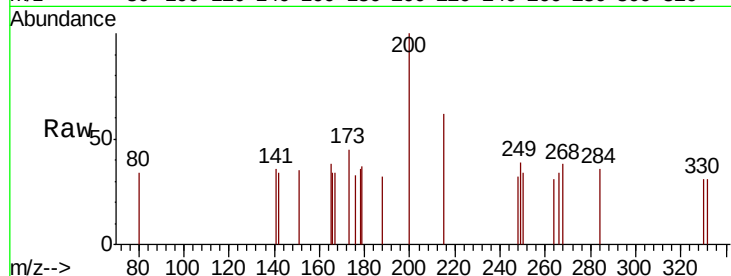
Tot Ion:200 Resp: 245

Ion Ratio Lower Upper

200 100

173 44.8 22.8 34.2#

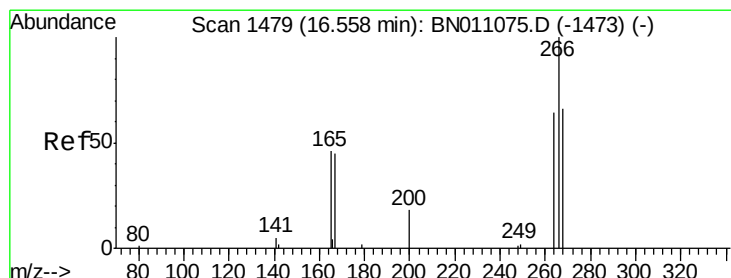
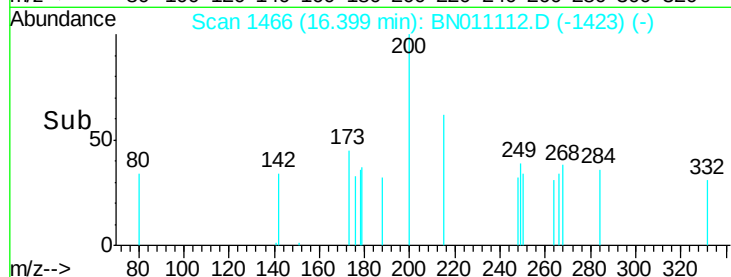
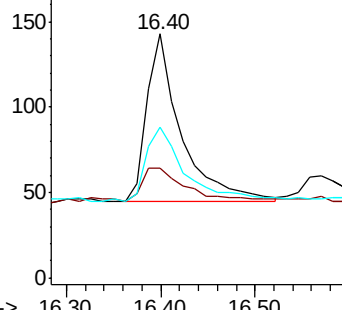
215 61.5 40.7 61.1#



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: 0.225 ng

RT: 16.57 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

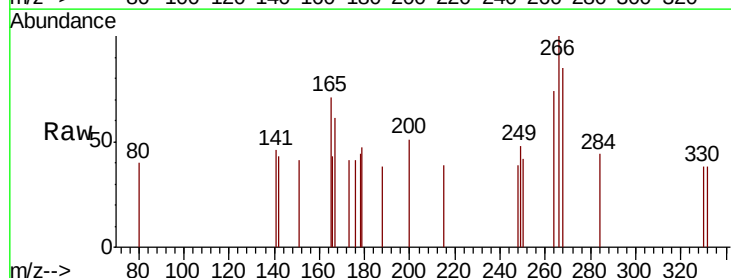
Tgt Ion:266 Resp: 255

Ion Ratio Lower Upper

266 100

264 51.8 47.4 71.0

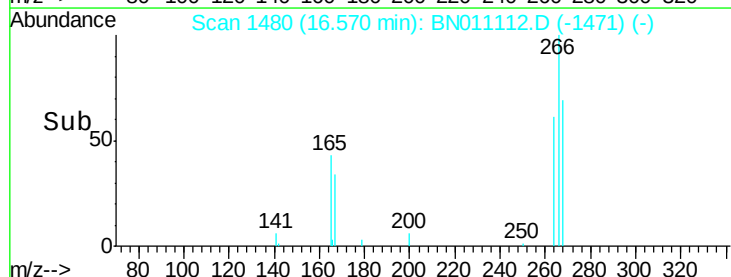
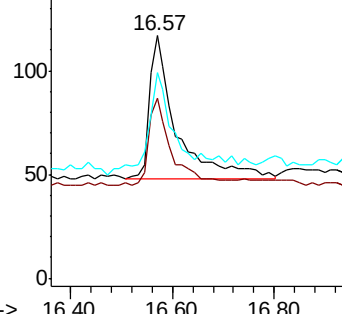
268 51.4 55.0 82.4#

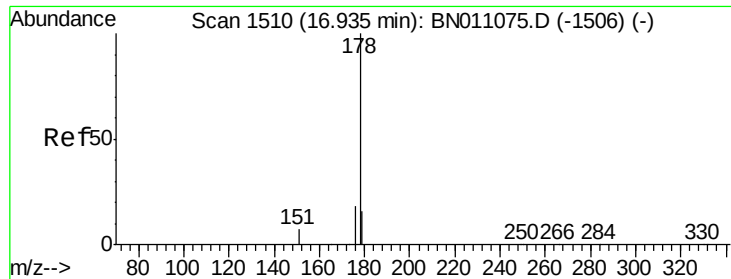


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.084 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

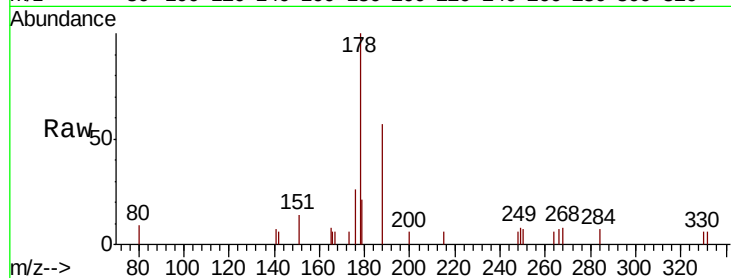
Tot Ion:178 Resp: 1463

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

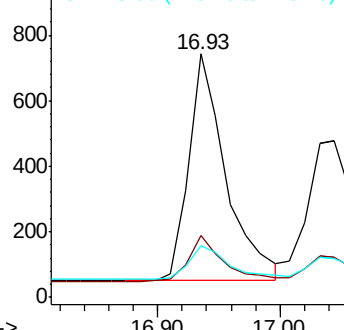
179 16.6 12.5 18.7



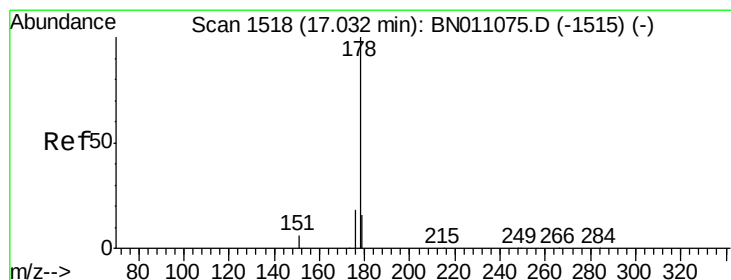
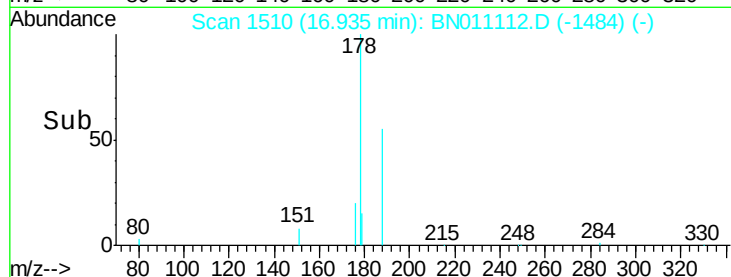
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#26

Anthracene

Concen: 0.083 ng

RT: 17.04 min Scan# 1519

Delta R.T. 0.02 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

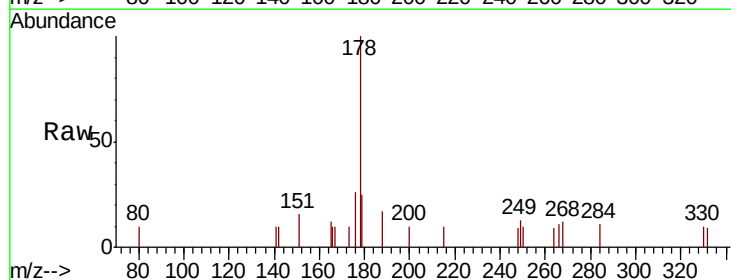
Tgt Ion:178 Resp: 1203

Ion Ratio Lower Upper

178 100

176 18.8 14.2 21.4

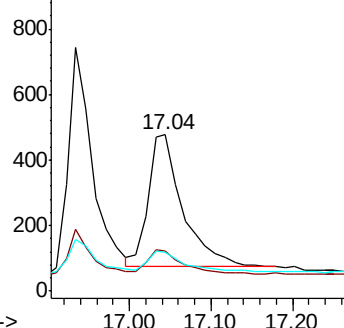
179 15.0 12.2 18.2



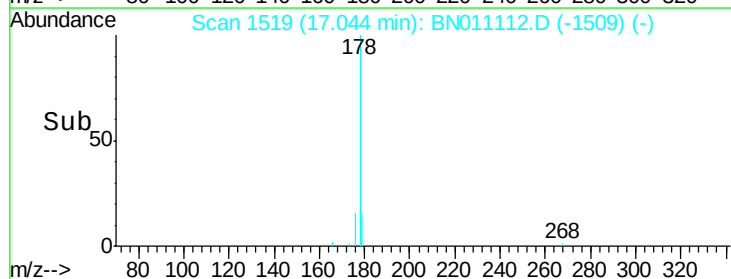
Abundance Ion 178.00 (177.70 to 178.70): E

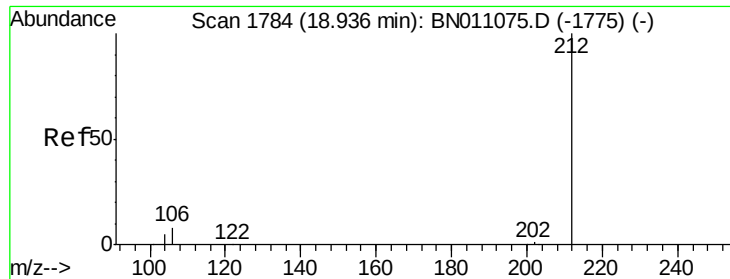
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

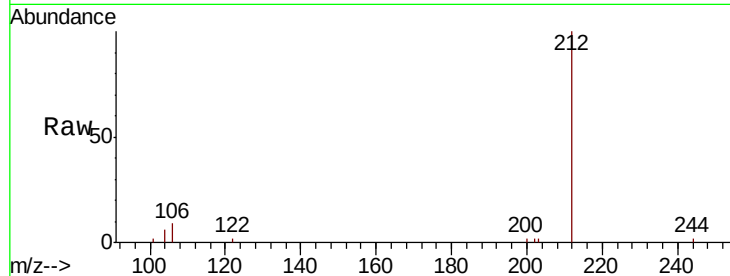




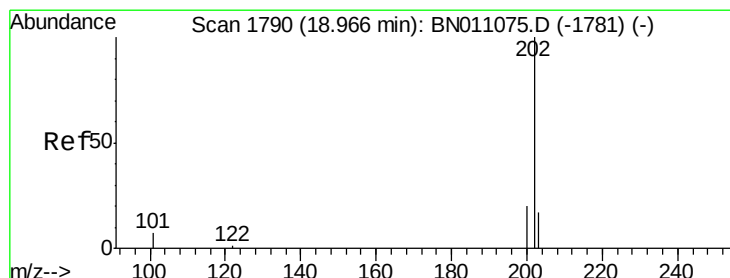
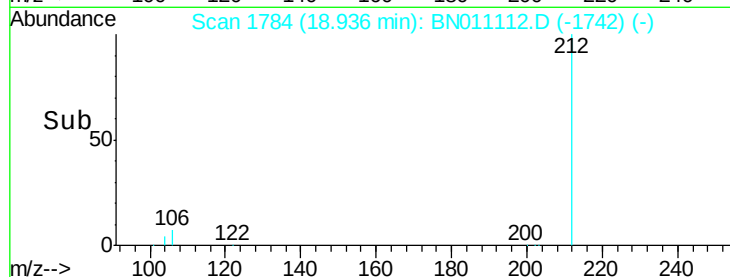
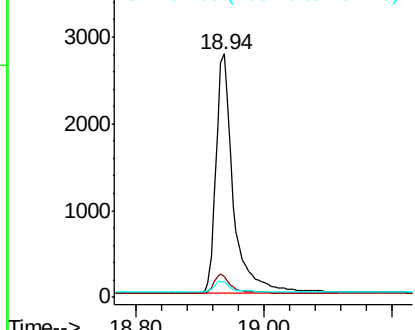
#27
Fluoranthene-d10
Concen: 0.328 ng
RT: 18.94 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Tot Ion:212 Resp: 5330
Ion Ratio Lower Upper
212 100
106 7.7 7.1 10.7
104 4.4 4.2 6.4

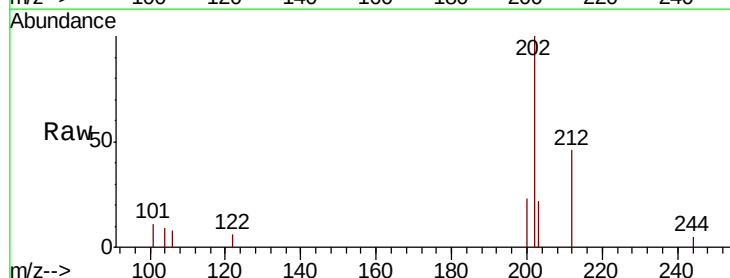


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

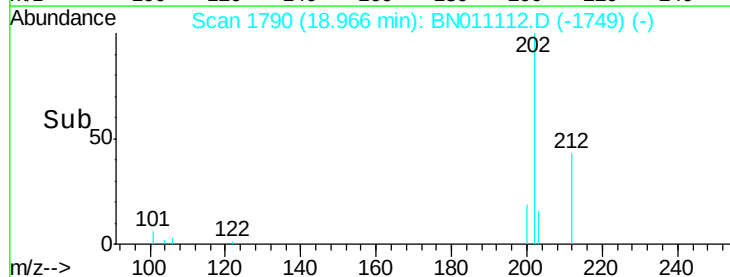
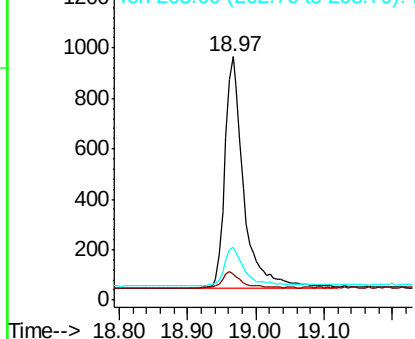


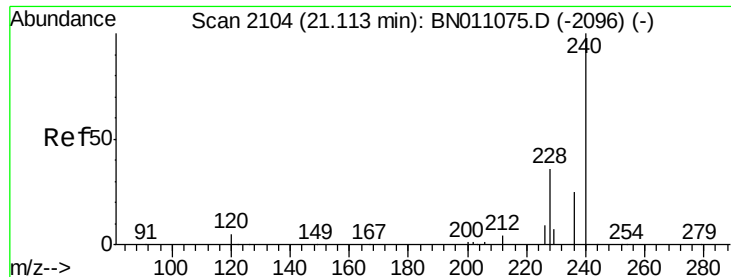
#28
Fluoranthene
Concen: 0.090 ng
RT: 18.97 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BN011112.D
Acq: 07 Jul 2020 11:48

Tgt Ion:202 Resp: 1766
Ion Ratio Lower Upper
202 100
101 7.1 6.3 9.5
203 17.1 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: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

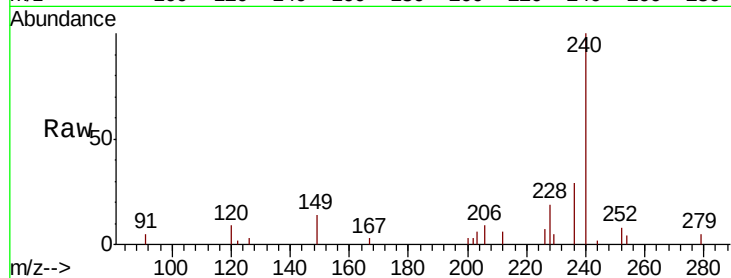
Tot Ion:240 Resp: 4559

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

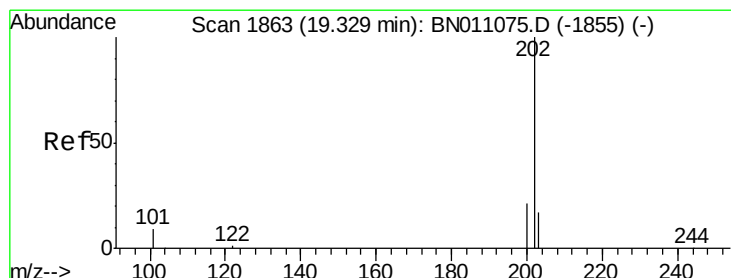
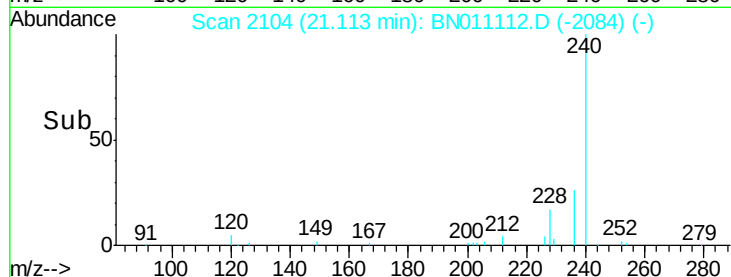
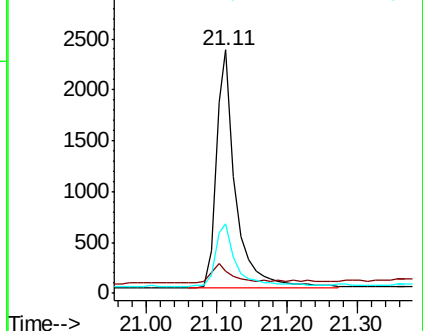
236 28.6 21.9 32.9



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: 0.100 ng

RT: 19.33 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

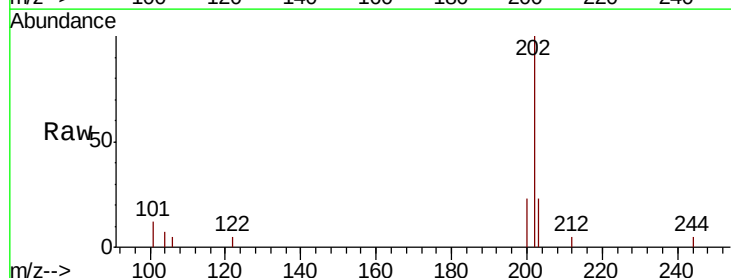
Tgt Ion:202 Resp: 1698

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

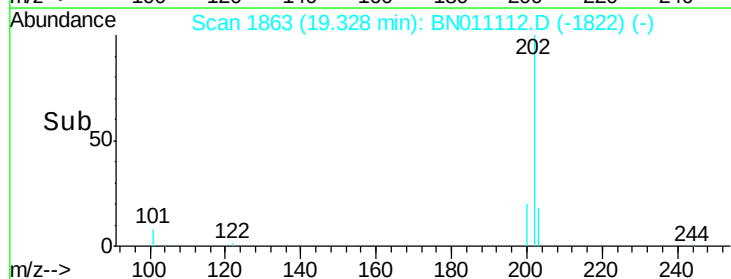
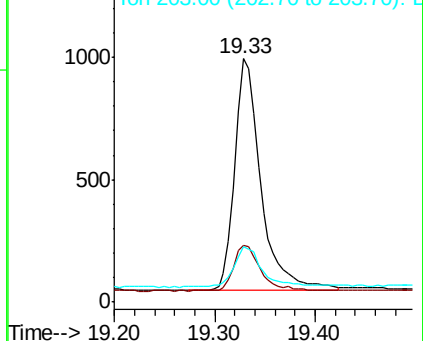
203 18.3 14.2 21.4

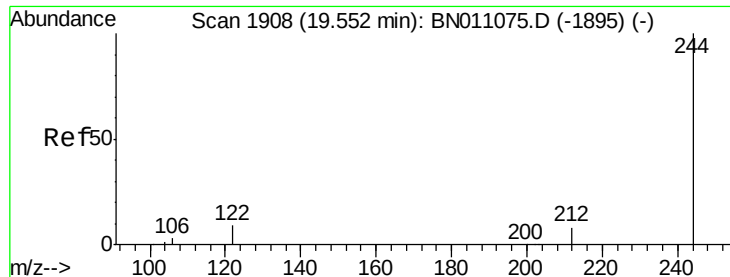


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.255 ng

RT: 19.56 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

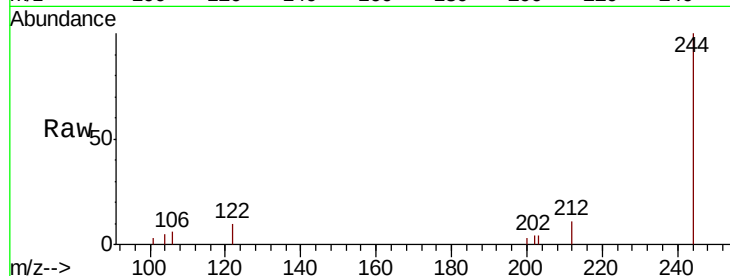
Tot Ion:244 Resp: 3032

Ion Ratio Lower Upper

244 100

212 11.1 7.5 11.3

122 10.0 8.2 12.4

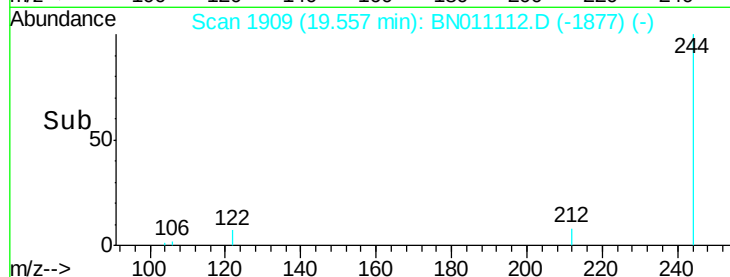


Abundance Ion 244.00 (243.70 to 244.70): E

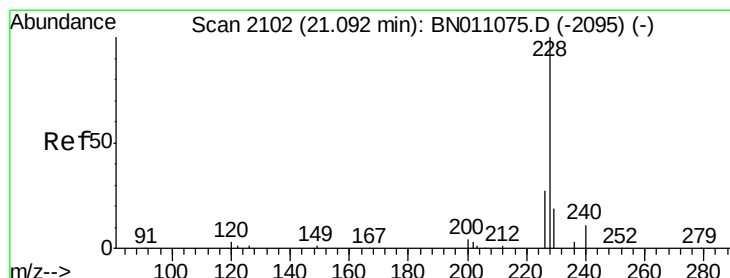
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.56



Time-->



#32

Benzo(a)anthracene

Concen: 0.090 ng

RT: 21.10 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

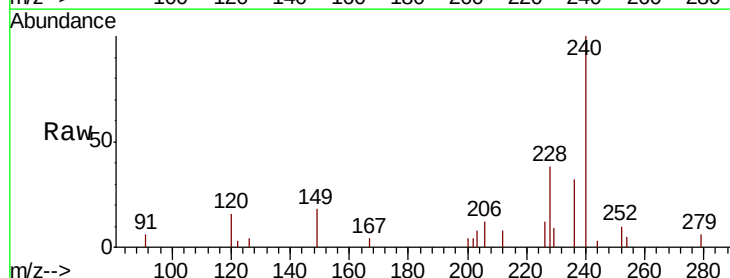
Tgt Ion:228 Resp: 1369

Ion Ratio Lower Upper

228 100

226 31.5 22.0 33.0

229 24.4 16.1 24.1#

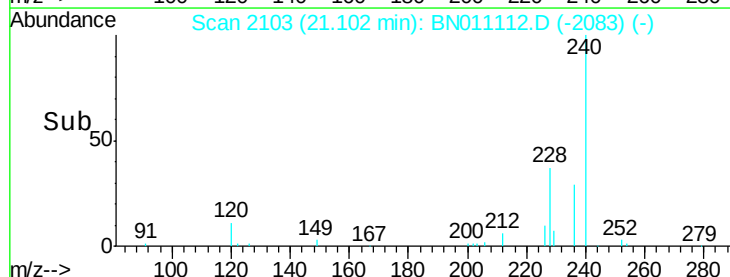


Abundance Ion 228.00 (227.70 to 228.70): E

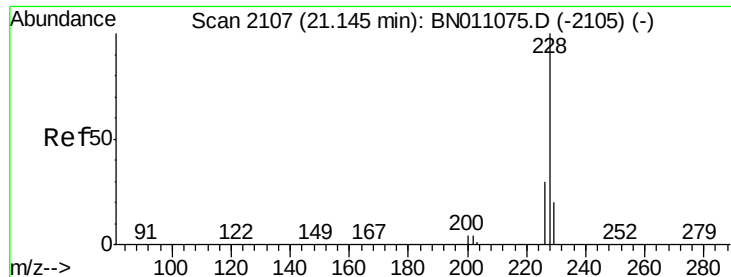
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.10



Time-->



#33

Chrysene

Concen: 0.099 ng

RT: 21.14 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-07

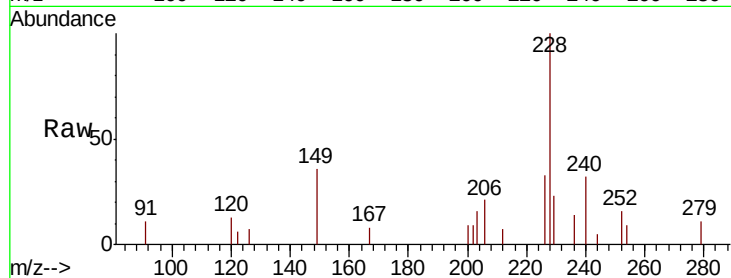
Tot Ion:228 Resp: 1736

Ion Ratio Lower Upper

228 100

226 33.0 24.0 36.0

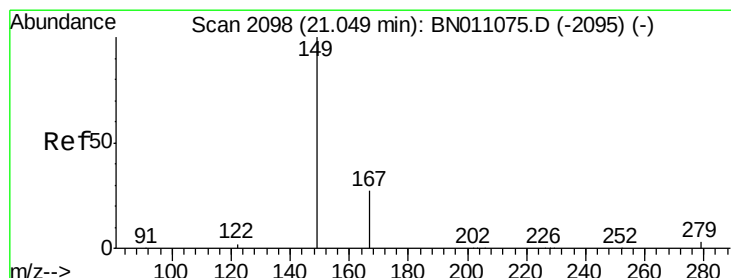
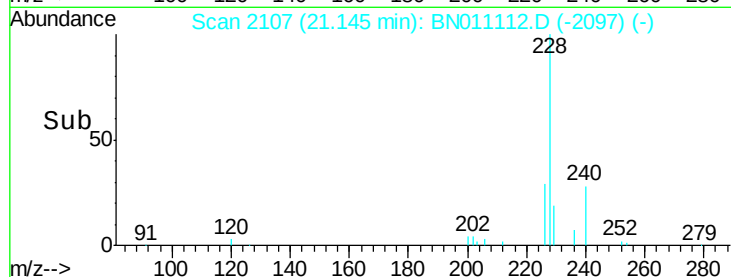
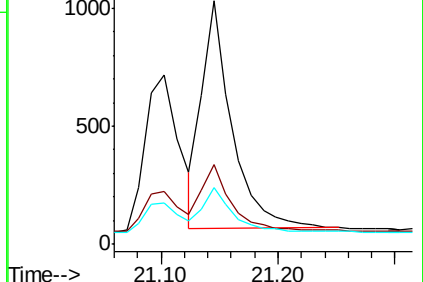
229 23.2 16.4 24.6



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: 0.130 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

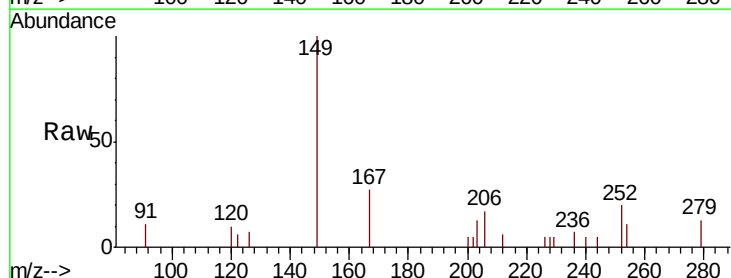
Tgt Ion:149 Resp: 800

Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

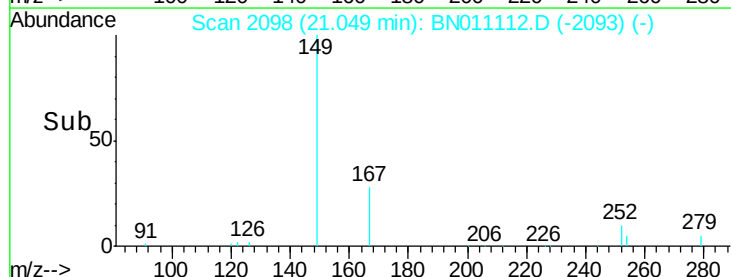
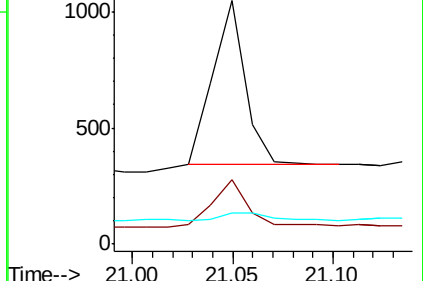
279 7.4 4.5 6.7#

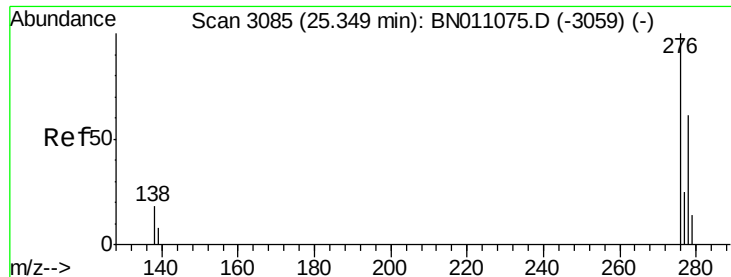


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

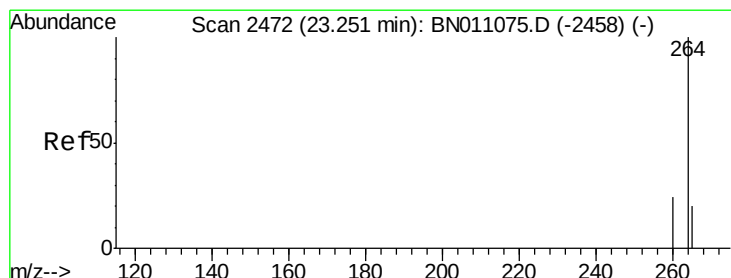
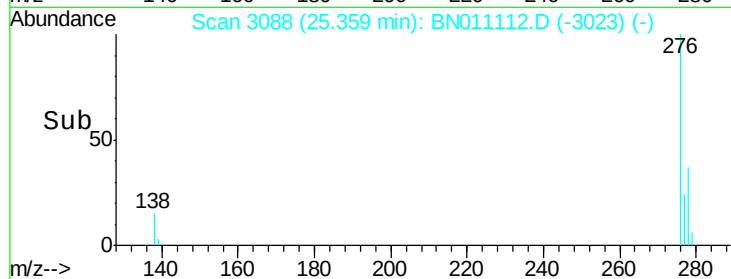
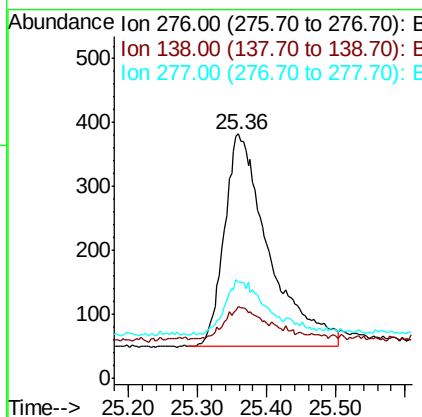
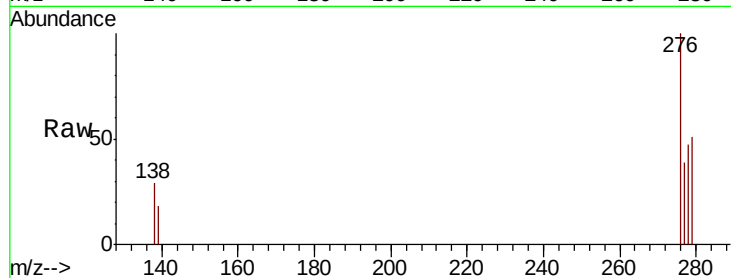




#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.082 ng
 RT: 25.36 min Scan# 3088
 Delta R.T. 0.02 min
 Lab File: BN011112.D
 Acq: 07 Jul 2020 11:48

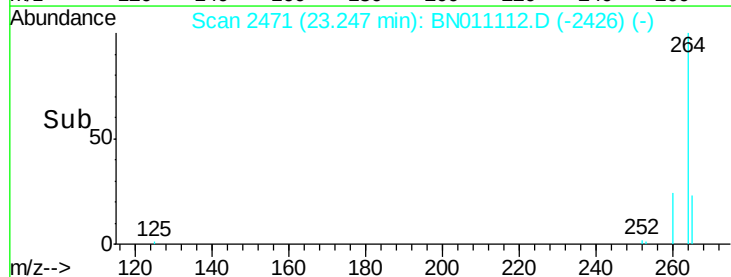
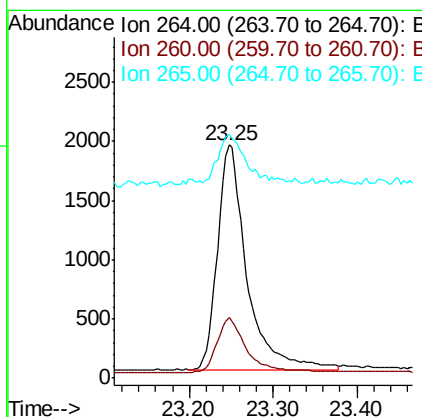
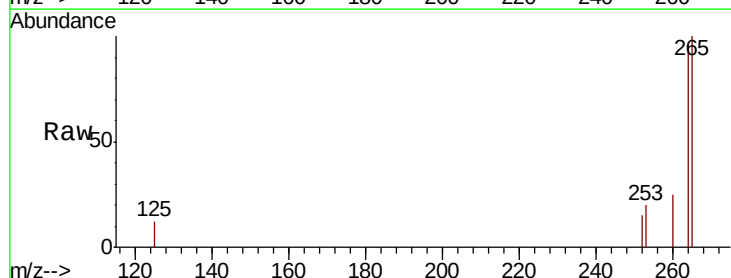
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-07

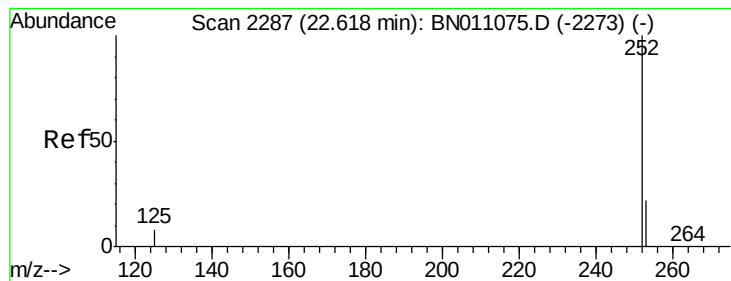
Tot Ion:276 Resp: 1491
 Ion Ratio Lower Upper
 276 100
 138 11.3 15.4 23.0#
 277 21.5 19.4 29.0



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.25 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BN011112.D
 Acq: 07 Jul 2020 11:48

Tgt Ion:264 Resp: 4630
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.4 30.6
 265 104.4 83.0 124.6





#37

Benzo(b)fluoranthene

Concen: 0.078 ng

RT: 22.62 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-07

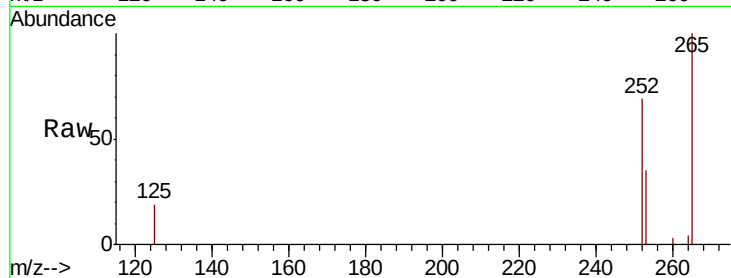
Tot Ion:252 Resp: 1444

Ion Ratio Lower Upper

252 100

253 50.1 22.7 34.1#

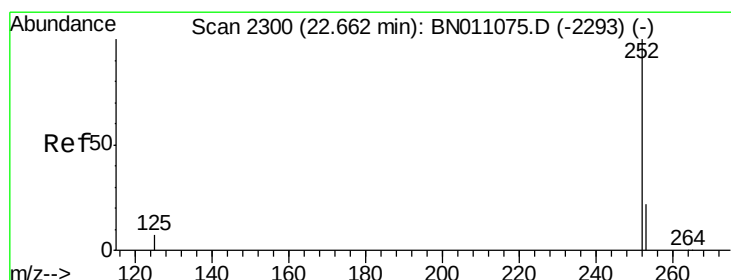
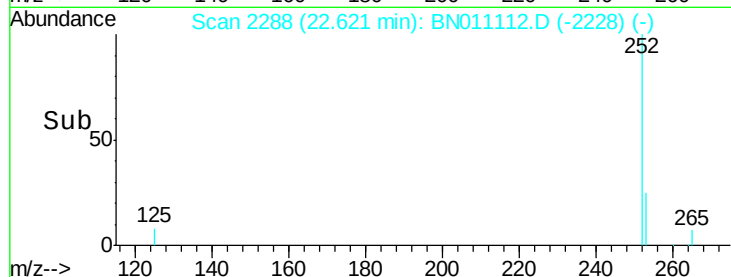
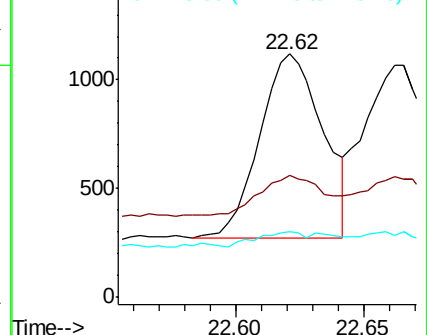
125 26.9 10.4 15.6#



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: 0.084 ng

RT: 22.66 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

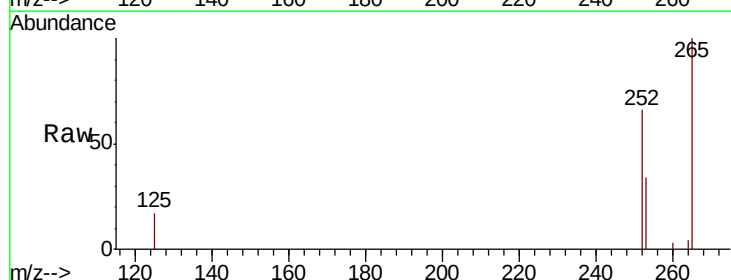
Tgt Ion:252 Resp: 1678

Ion Ratio Lower Upper

252 100

253 51.9 22.9 34.3#

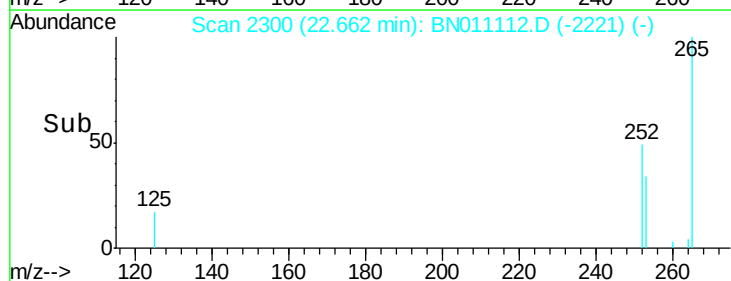
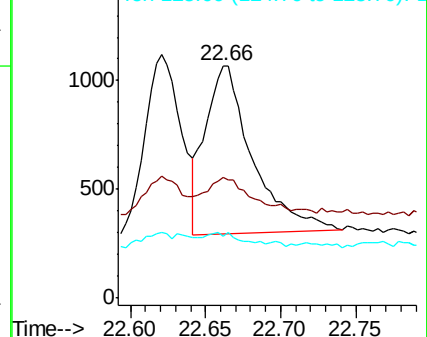
125 26.5 10.6 15.8#

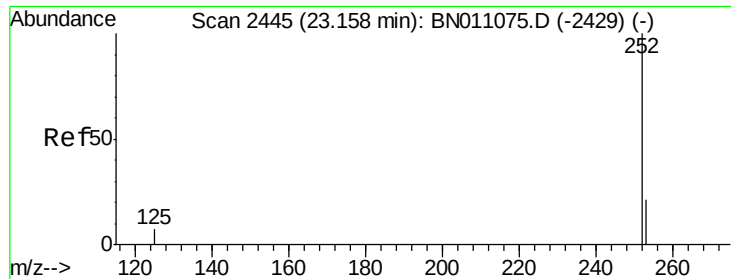


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.080 ng

RT: 23.17 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

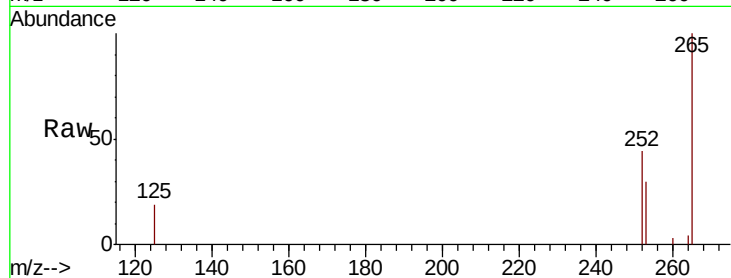
Tot Ion:252 Resp: 1282

Ion Ratio Lower Upper

252 100

253 68.4 25.9 38.9#

125 41.9 12.5 18.7#

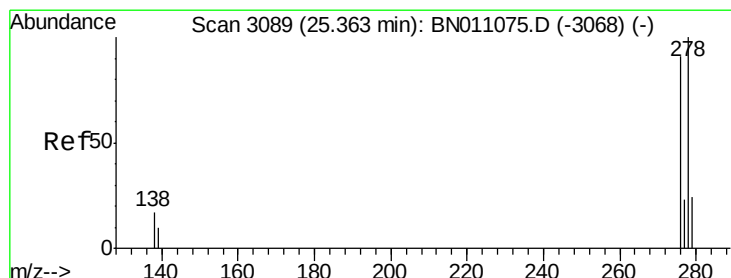
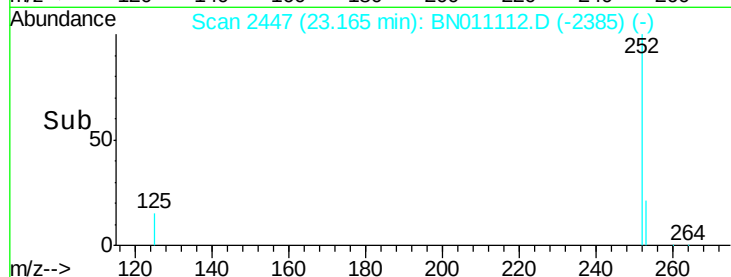
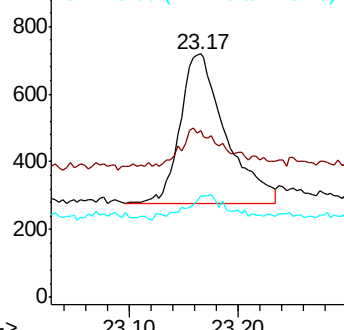


Abundance

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: 0.058 ng

RT: 25.38 min Scan# 3095

Delta R.T. 0.03 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

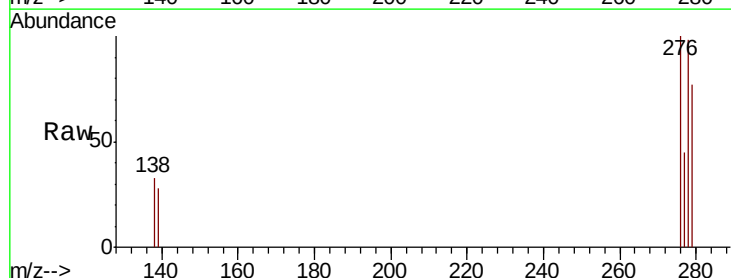
Tgt Ion:278 Resp: 958

Ion Ratio Lower Upper

278 100

139 28.8 11.9 17.9#

279 78.5 25.5 38.3#

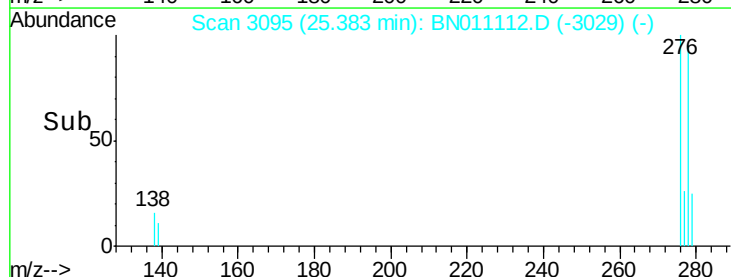
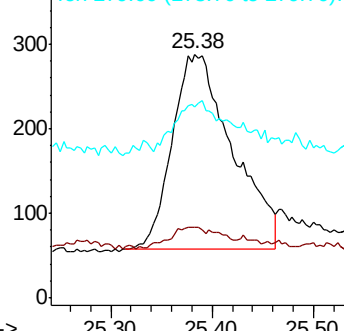


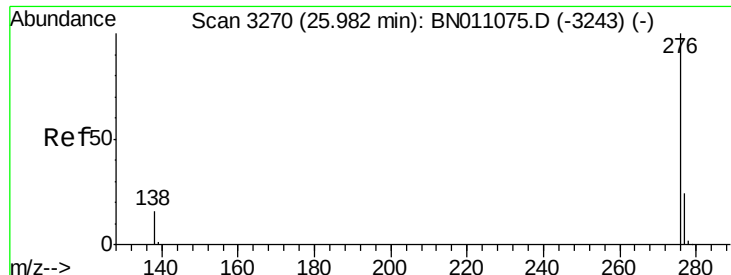
Abundance

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: 0.088 ng

RT: 25.98 min Scan# 3269

Delta R.T. 0.02 min

Lab File: BN011112.D

Acq: 07 Jul 2020 11:48

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

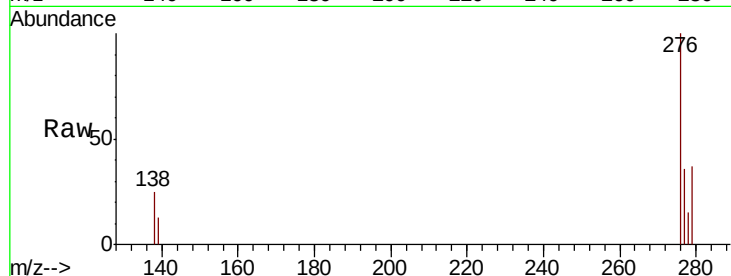
Tot Ion: 276 Resp: 1594

Ion Ratio Lower Upper

276 100

277 35.8 21.1 31.7#

138 25.5 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

