

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\
 Data File : BN011086.D
 Acq On : 02 Jul 2020 15:18
 Operator : CG/JU
 Sample : L1955-01
 Misc : MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-02

Quant Time: Jul 02 15:52:42 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 Jun 30 14:12:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1758	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	5755	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	3059	0.40	ng	0.01
19) Phenanthrene-d10	16.90	188	6164	0.40	ng	0.00
29) Chrysene-d12	21.11	240	5289	0.40	ng	0.00
36) Perylene-d12	23.25	264	5327	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	1759	0.40	ng	0.00
5) Phenol-d6	6.73	99	1866	0.37	ng	0.00
8) Nitrobenzene-d5	8.67	82	1823	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	11.87	152	3474	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	429	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	4656	0.32	ng	0.00
27) Fluoranthene-d10	18.94	212	6330	0.34	ng	0.00
31) Terphenyl-d14	19.56	244	5167	0.38	ng	0.00

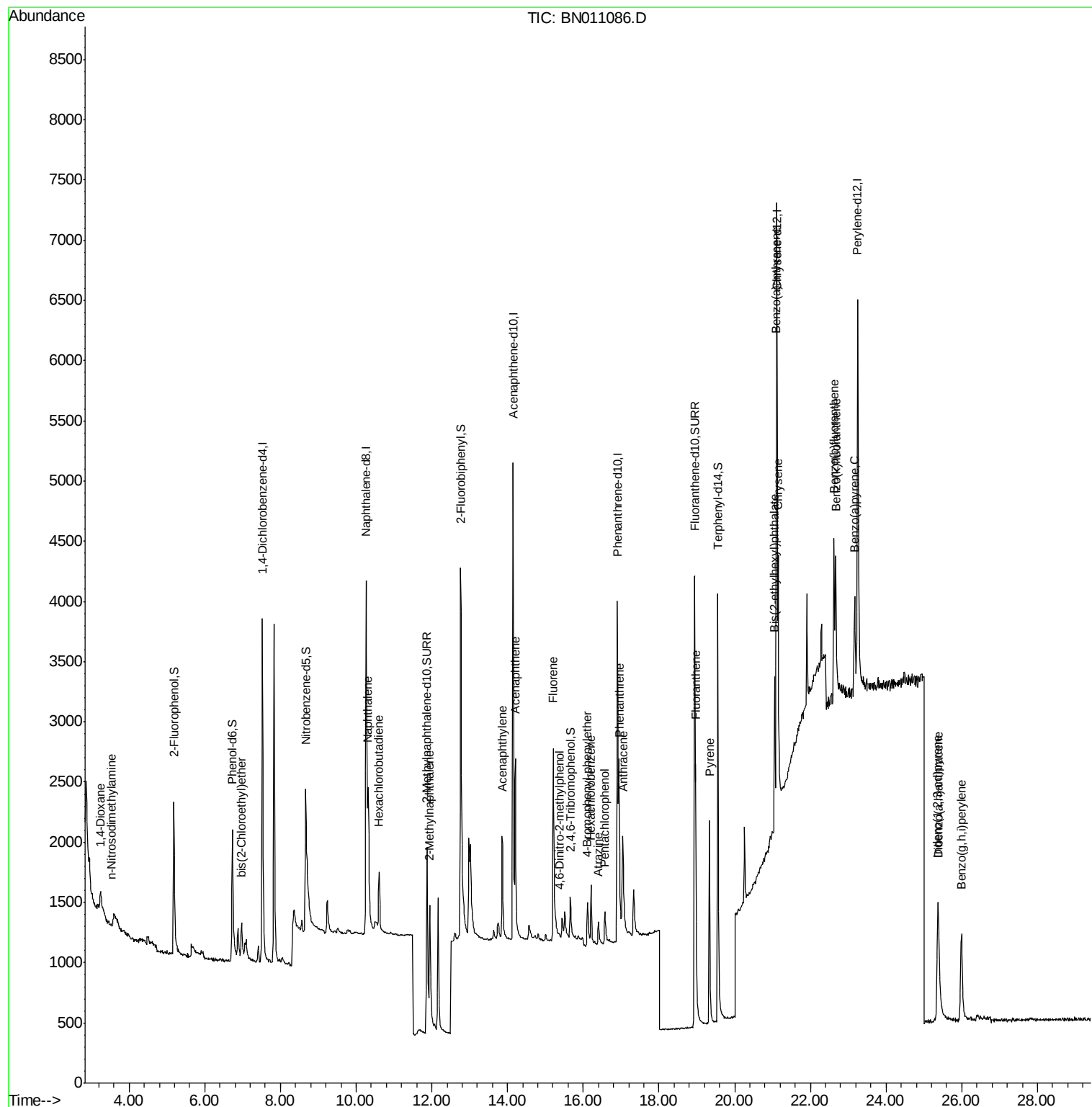
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	193	0.078	ng	# 88
3) n-Nitrosodimethylamine	3.53	42	14	0.011	ng	# 50
6) bis(2-Chloroethyl)ether	6.98	93	472	0.103	ng	# 84
9) Naphthalene	10.32	128	1687	0.098	ng	# 88
10) Hexachlorobutadiene	10.61	225	410	0.094	ng	# 98
12) 2-Methylnaphthalene	11.94	142	1131	0.098	ng	# 95
16) Acenaphthylene	13.85	152	1398	0.091	ng	99
17) Acenaphthene	14.21	154	932	0.090	ng	99
18) Fluorene	15.21	166	1135	0.087	ng	100
20) 4,6-Dinitro-2-methylphenol	15.36	198	49	0.074	ng	# 46
21) 4-Bromophenyl-phenylether	16.11	248	288	0.070	ng	90
22) Hexachlorobenzene	16.20	284	424	0.088	ng	96
23) Atrazine	16.40	200	280	0.097	ng	# 77
24) Pentachlorophenol	16.57	266	220	0.169	ng	89
25) Phenanthrene	16.95	178	1745	0.087	ng	99
26) Anthracene	17.04	178	1552	0.094	ng	98
28) Fluoranthene	18.97	202	2017	0.090	ng	99
30) Pyrene	19.33	202	1977	0.100	ng	99
32) Benzo(a)anthracene	21.10	228	1562	0.088	ng	93
33) Chrysene	21.14	228	2075	0.102	ng	93
34) Bis(2-ethylhexyl)phthalate	21.05	149	1038	0.145	ng	99
35) Indeno(1,2,3-cd)pyrene	25.37	276	1800	0.085	ng	98
37) Benzo(b)fluoranthene	22.62	252	1718	0.080	ng	# 61
38) Benzo(k)fluoranthene	22.67	252	1912	0.084	ng	# 55
39) Benzo(a)pyrene	23.17	252	1552	0.084	ng	# 41
40) Dibenzo(a,h)anthracene	25.38	278	1397	0.074	ng	# 52
41) Benzo(g,h,i)perylene	26.00	276	1848	0.089	ng	# 86

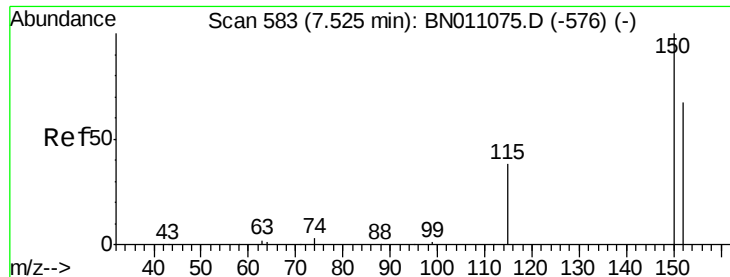
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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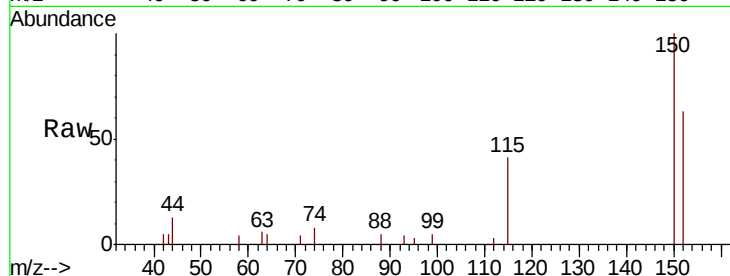


#1

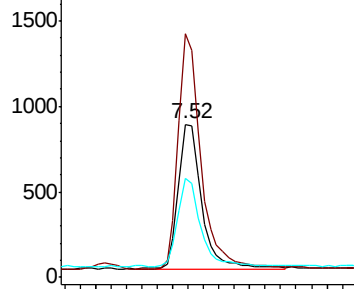
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

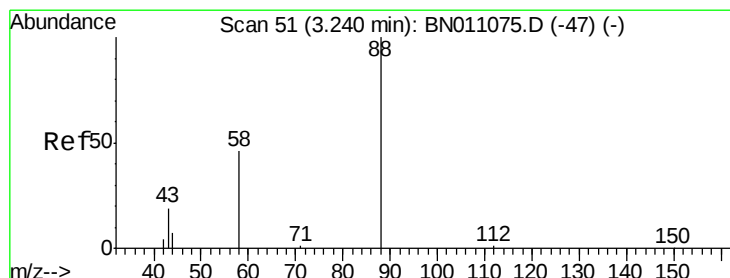
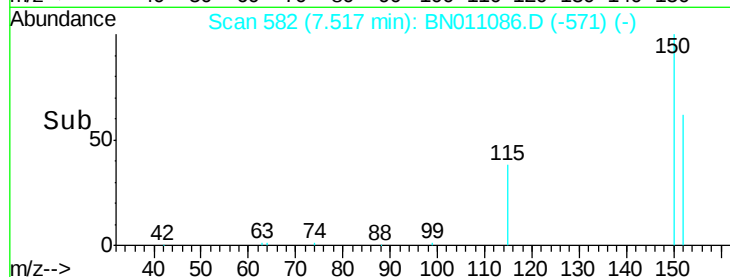
Tot Ion:152 Resp: 1758
Ion Ratio Lower Upper
152 100
150 159.2 117.4 176.0
115 64.6 47.9 71.9



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



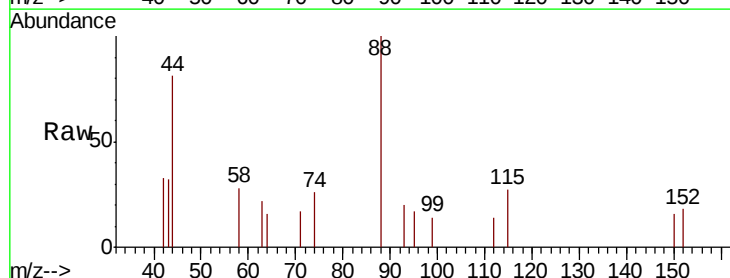
Time-->



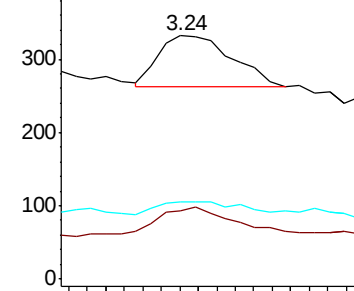
#2

1,4-Dioxane
Concen: 0.078 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

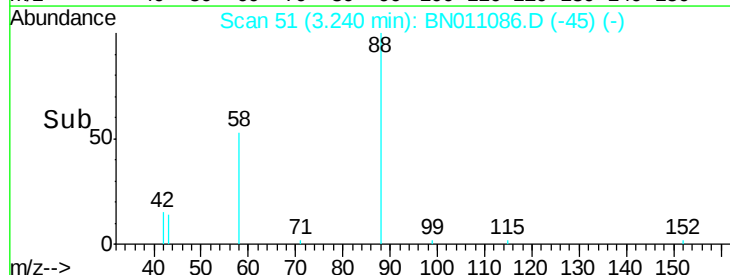
Tgt Ion: 88 Resp: 193
Ion Ratio Lower Upper
88 100
58 53.4 38.6 57.8
43 30.1 15.4 23.0#

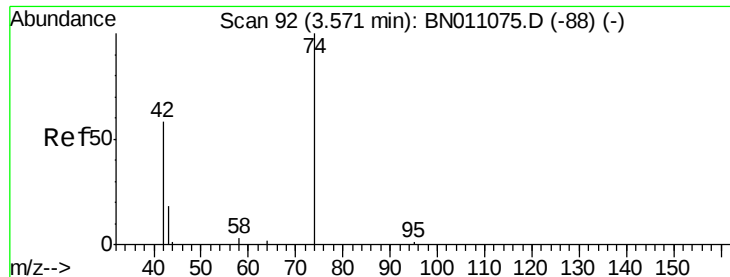


Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



Time-->



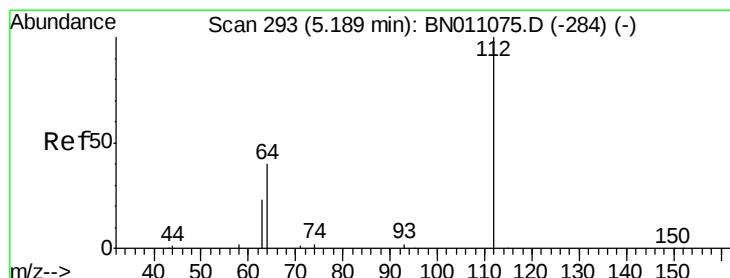
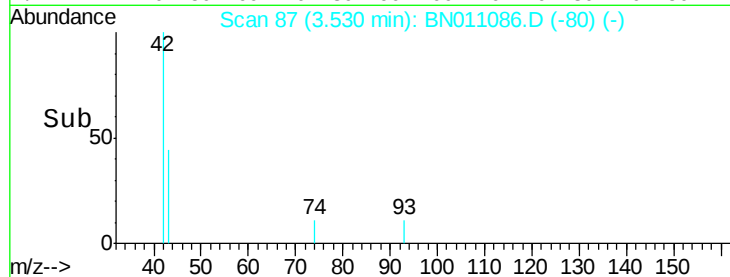
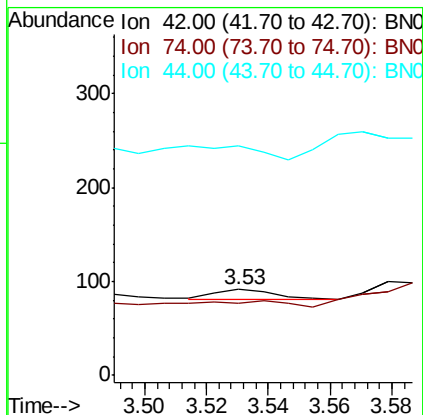
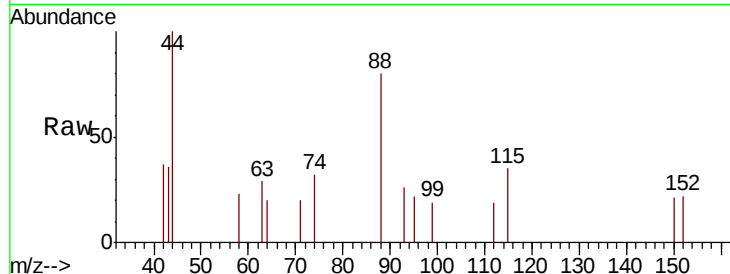


#3

n-Nitrosodimethylamine
 Concen: 0.011 ng
 RT: 3.53 min Scan# 87
 Delta R.T. -0.04 min
 Lab File: BN011086.D
 Acq: 02 Jul 2020 15:18

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-02

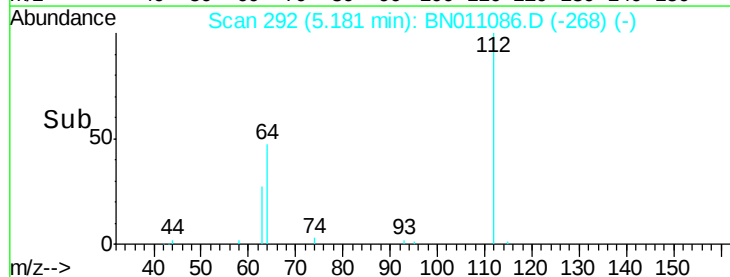
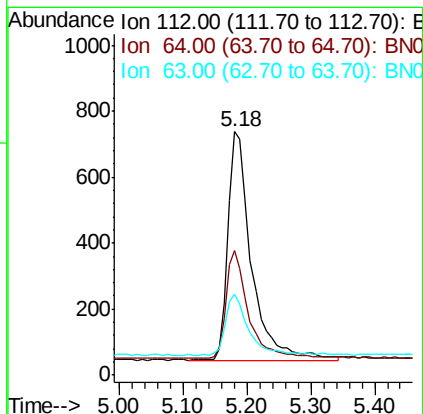
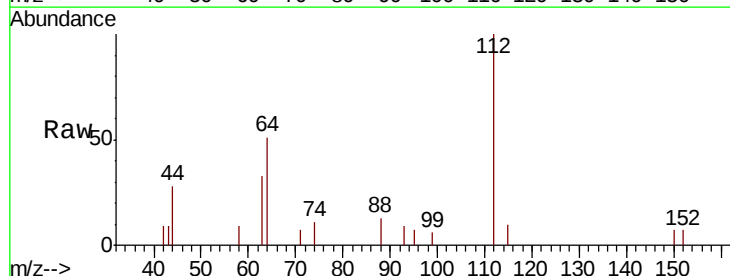
Tot Ion	Ratio	Lower	Upper
42	100		
74	107.1	142.5	213.7#
44	0.0	0.0	0.0

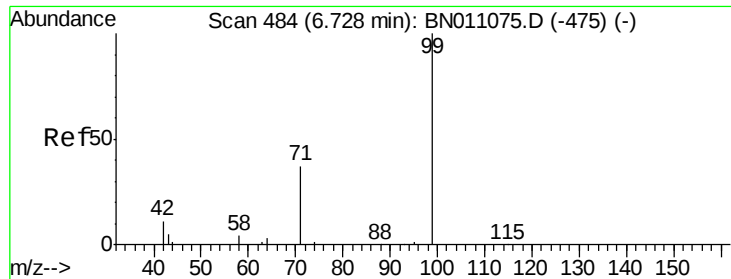


#4

2-Fluorophenol
 Concen: 0.402 ng
 RT: 5.18 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: BN011086.D
 Acq: 02 Jul 2020 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.3	36.5	54.7
63	26.0	20.6	30.8





#5

Phenol-d6

Concen: 0.371 ng

RT: 6.73 min Scan# 484

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

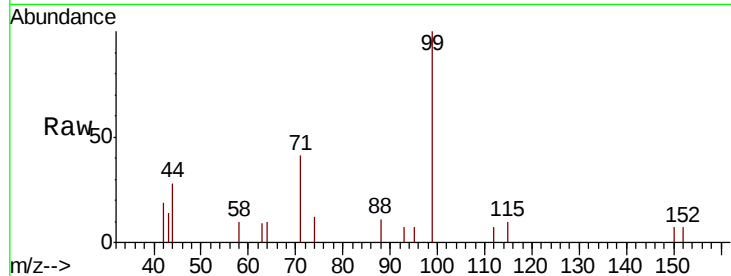
Tot Ion: 99 Resp: 1866

Ion Ratio Lower Upper

99 100

42 12.5 9.8 14.8

71 37.8 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011086.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN011086.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN011086.D (-472) (-)

6.73

800

600

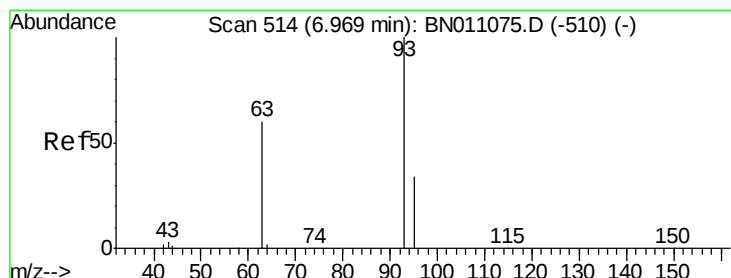
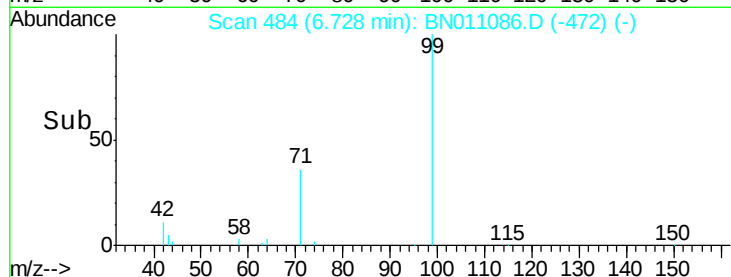
400

200

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.103 ng

RT: 6.98 min Scan# 515

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

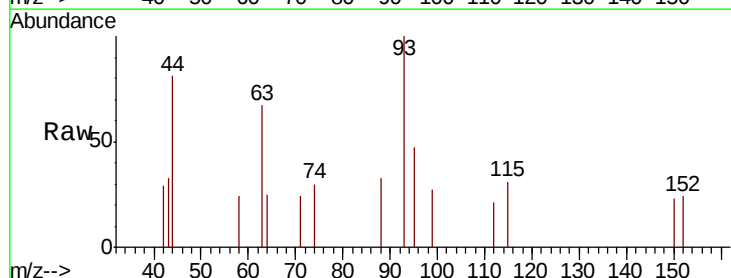
Tgt Ion: 93 Resp: 472

Ion Ratio Lower Upper

93 100

63 45.1 47.4 71.2#

95 26.3 26.4 39.6#



Abundance Ion 93.00 (92.70 to 93.70): BN011086.D (-489) (-)

Ion 63.00 (62.70 to 63.70): BN011086.D (-489) (-)

Ion 95.00 (94.70 to 95.70): BN011086.D (-489) (-)

6.98

300

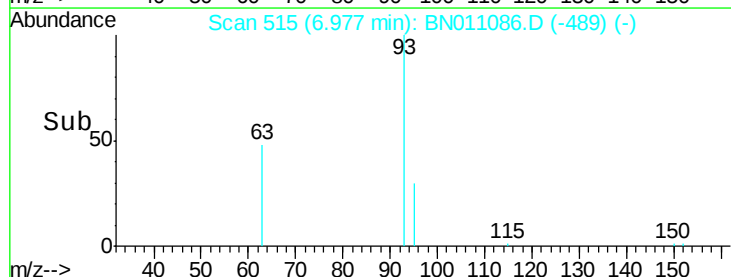
200

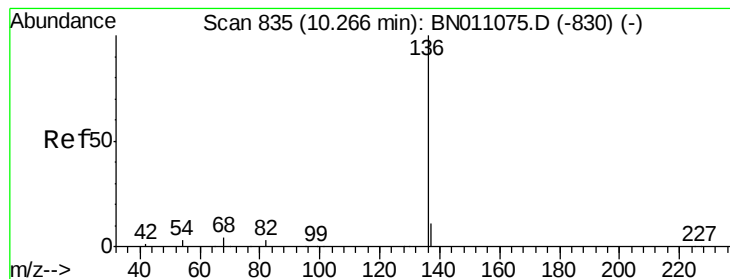
100

0

6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

Tot Ion:136 Resp: 5755

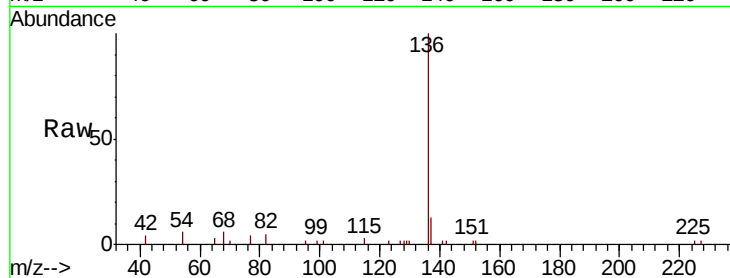
Ion Ratio Lower Upper

136 100

137 12.6 9.6 14.4

54 5.8 3.8 5.6#

68 6.0 4.3 6.5

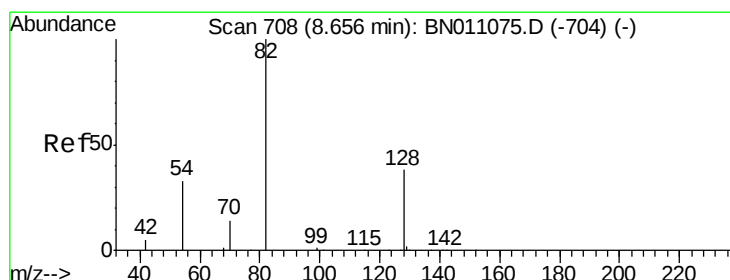
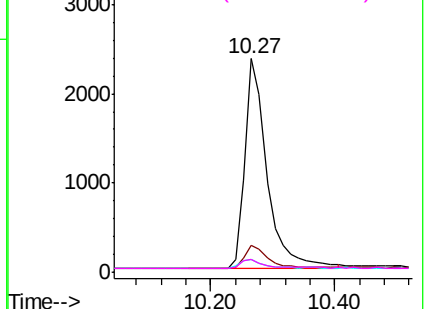
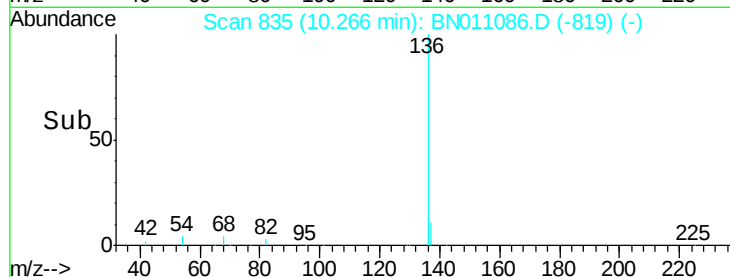


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

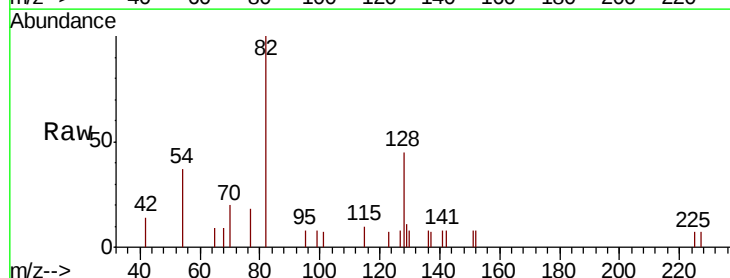
Tgt Ion: 82 Resp: 1823

Ion Ratio Lower Upper

82 100

128 44.8 34.2 51.2

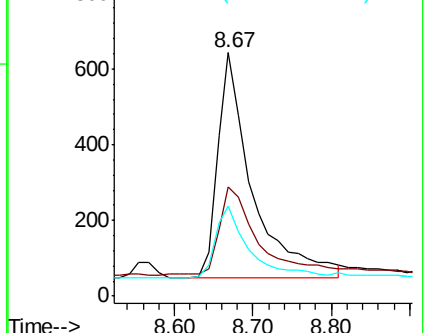
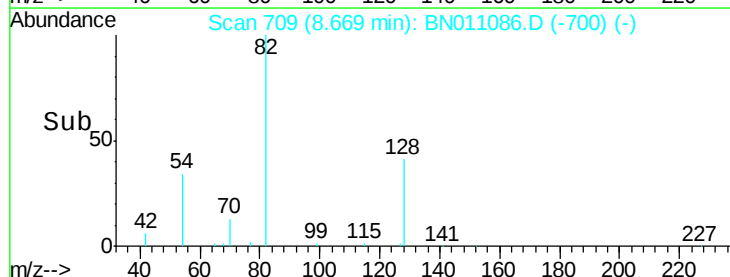
54 36.9 29.4 44.0

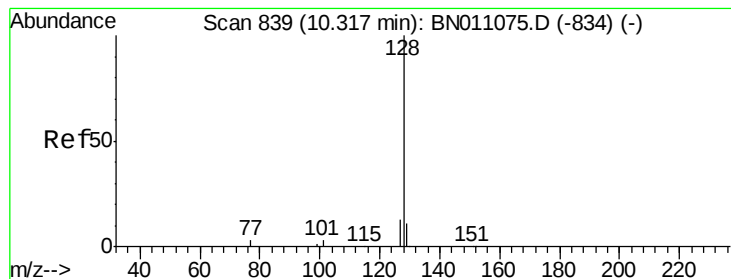


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.098 ng

RT: 10.32 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

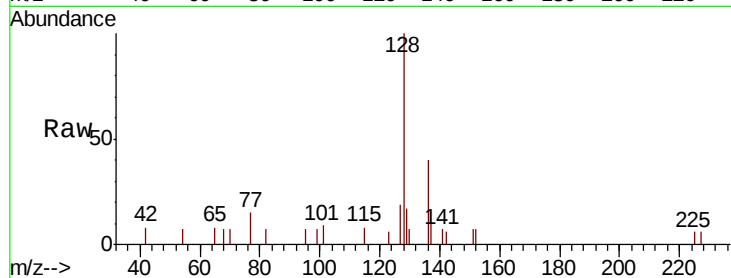
Tot Ion:128 Resp: 1687

Ion Ratio Lower Upper

128 100

129 16.8 9.8 14.8#

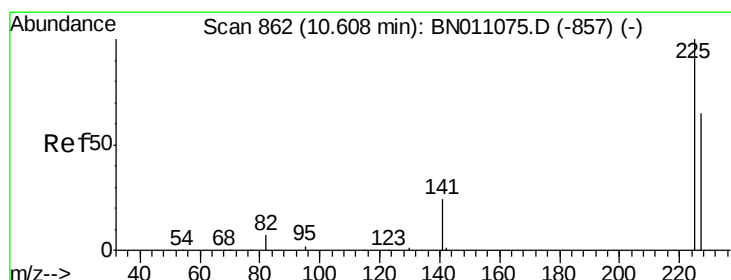
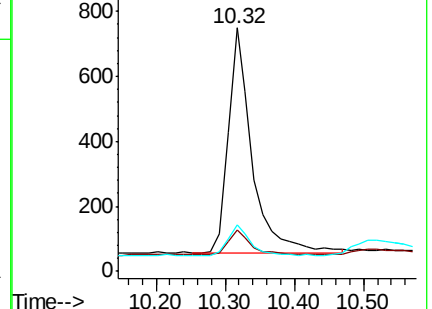
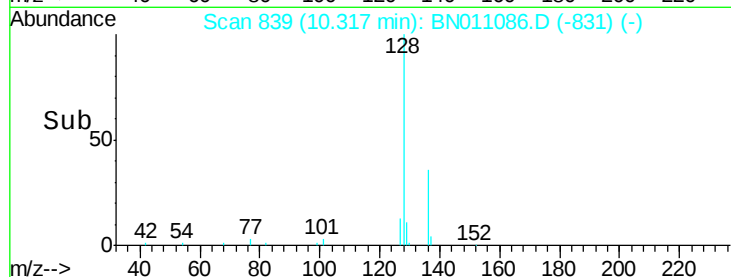
127 19.2 11.3 16.9#



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: 0.094 ng

RT: 10.61 min Scan# 862

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

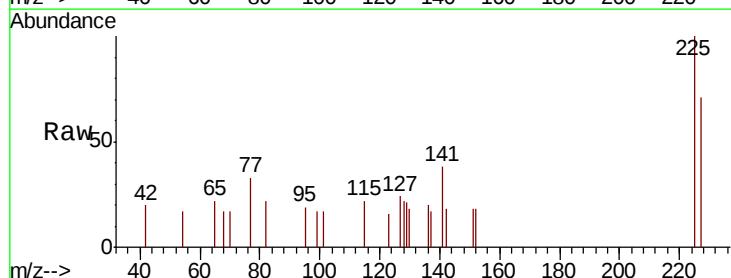
Tgt Ion:225 Resp: 410

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

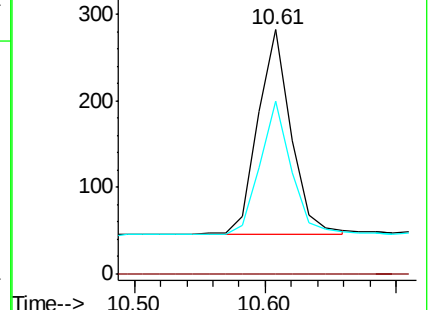
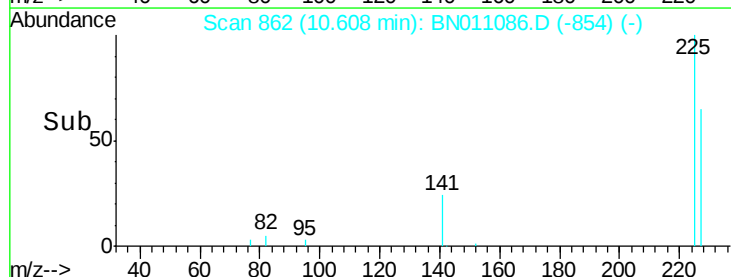
227 62.7 51.4 77.2

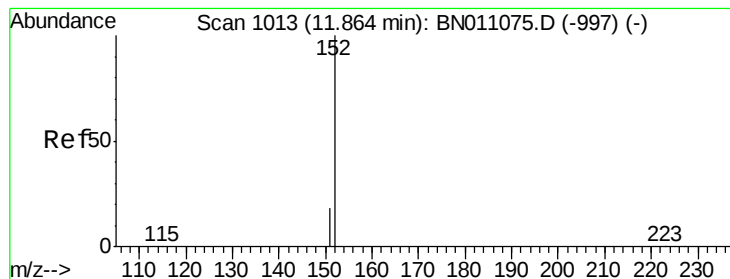


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.349 ng

RT: 11.87 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

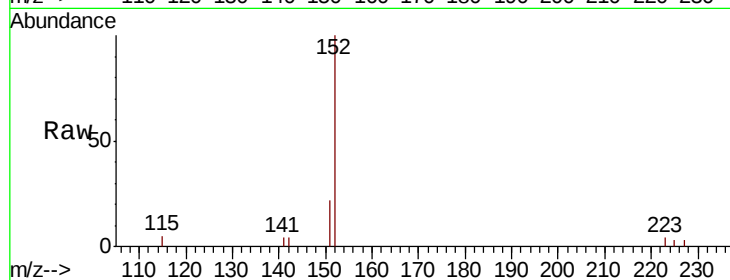
MDL-SOIL-02

Tot Ion:152 Resp: 3474

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

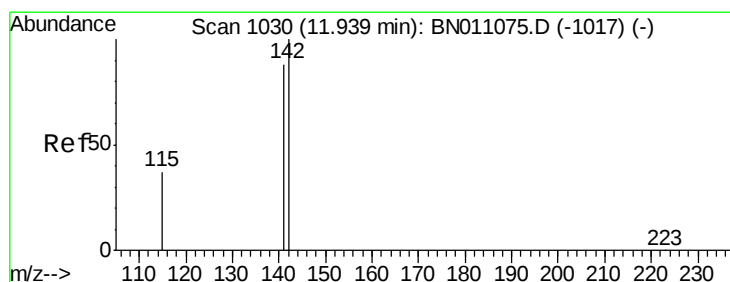
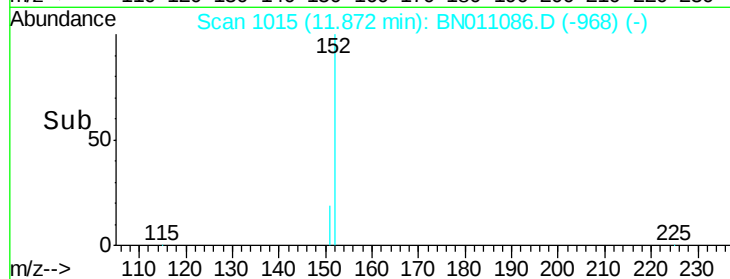
1000

500

0

Time-->

11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.098 ng

RT: 11.94 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

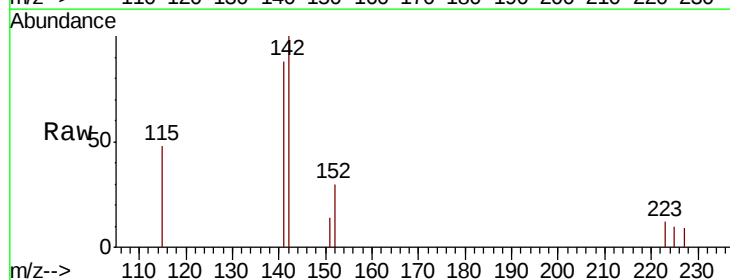
Tgt Ion:142 Resp: 1131

Ion Ratio Lower Upper

142 100

141 87.6 70.3 105.5

115 47.6 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

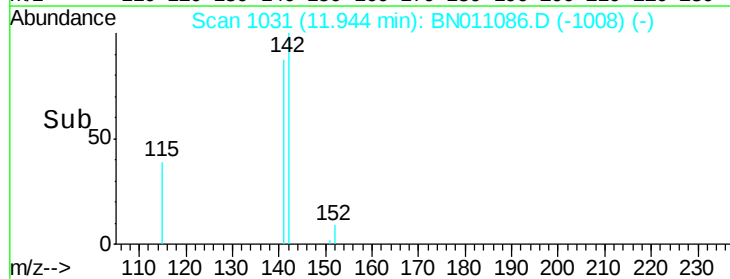
400

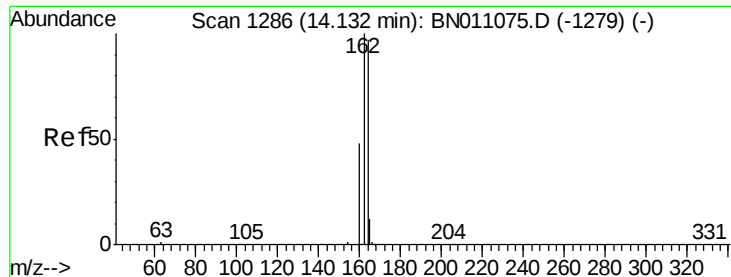
200

0

Time-->

11.80 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

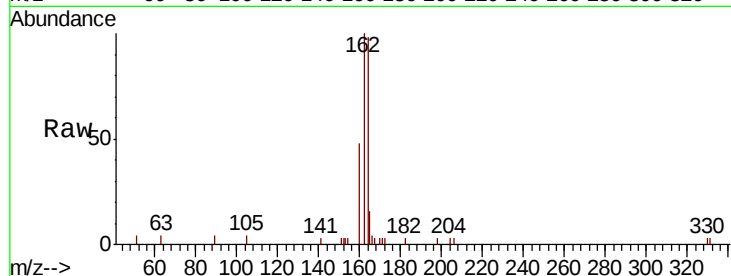
Tot Ion:164 Resp: 3059

Ion Ratio Lower Upper

164 100

162 101.9 82.3 123.5

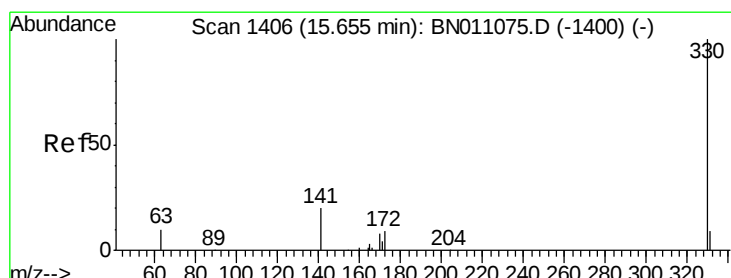
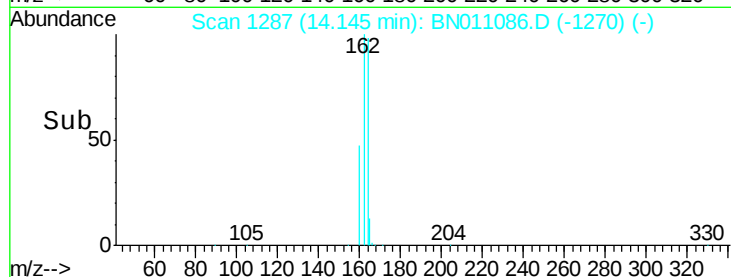
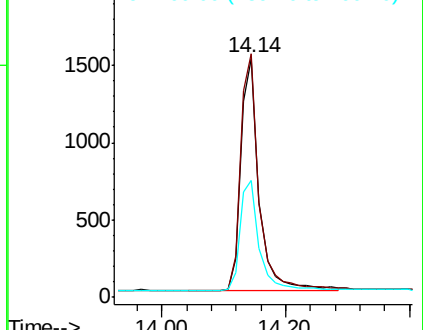
160 49.0 40.6 61.0



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: 0.334 ng

RT: 15.65 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

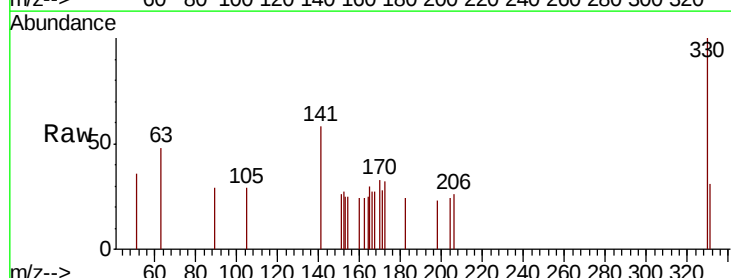
Tgt Ion:330 Resp: 429

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

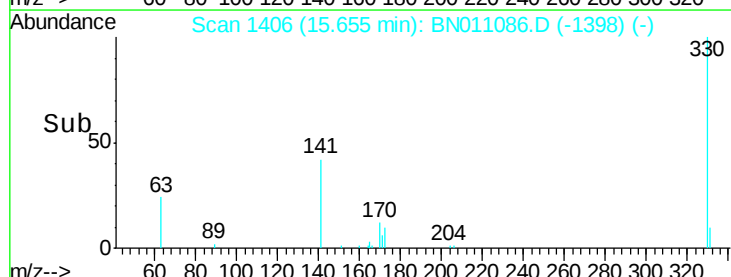
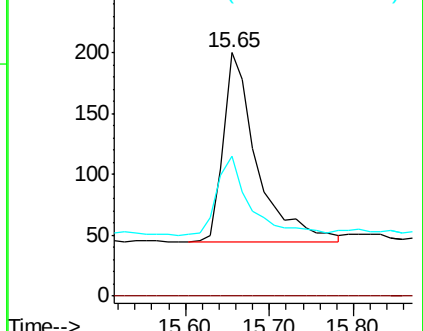
141 41.3 32.6 49.0

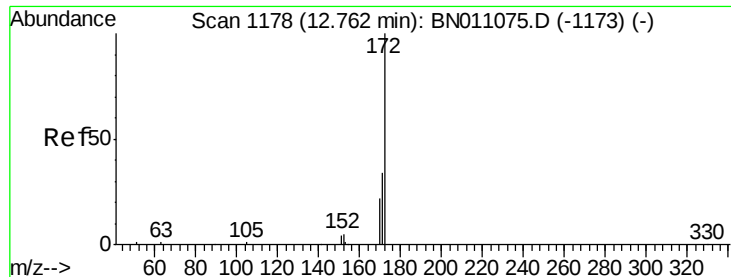


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

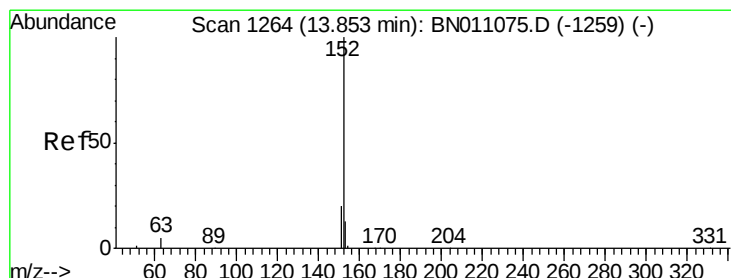
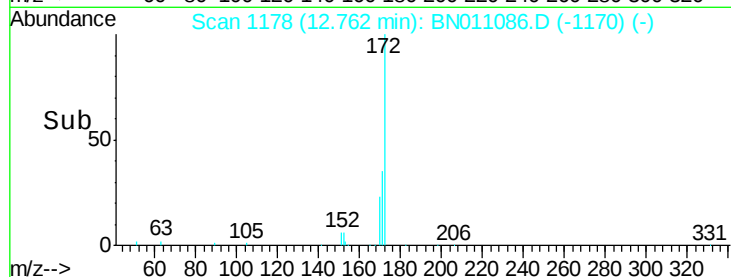
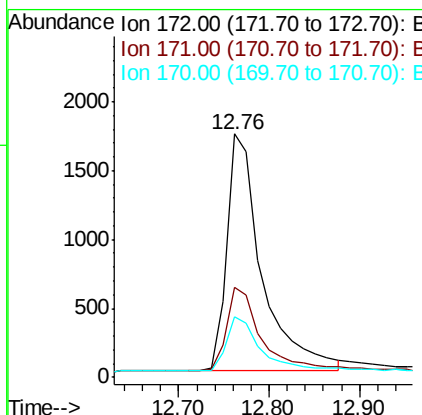
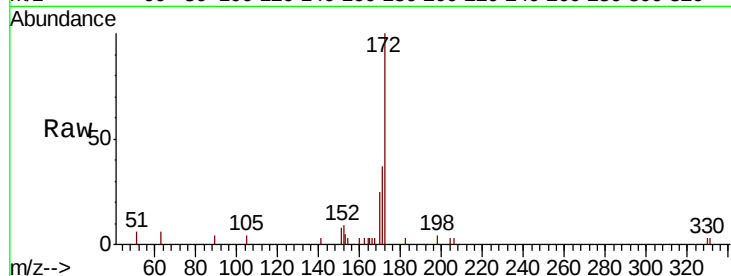




#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 12.76 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

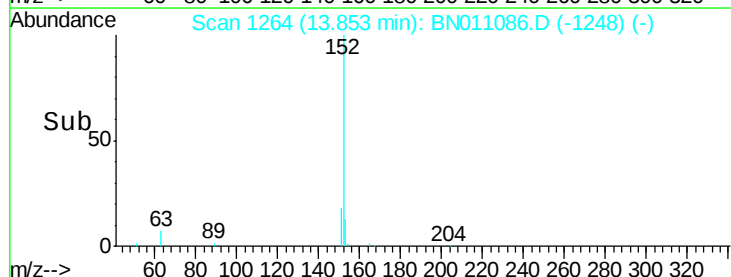
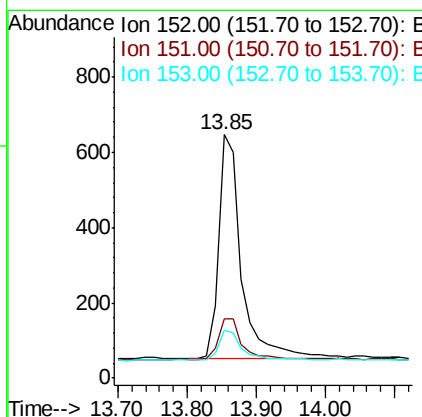
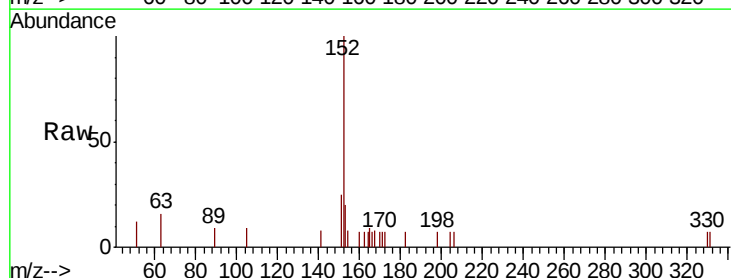
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

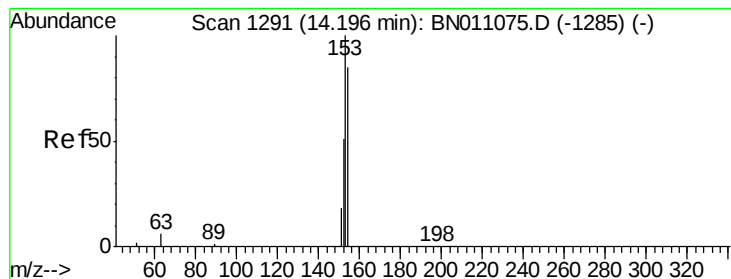
Tot Ion:172 Resp: 4656
Ion Ratio Lower Upper
172 100
171 36.7 27.9 41.9
170 25.0 18.7 28.1



#16
Acenaphthylene
Concen: 0.091 ng
RT: 13.85 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Tgt Ion:152 Resp: 1398
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 13.9 10.8 16.2





#17

Acenaphthene

Concen: 0.090 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

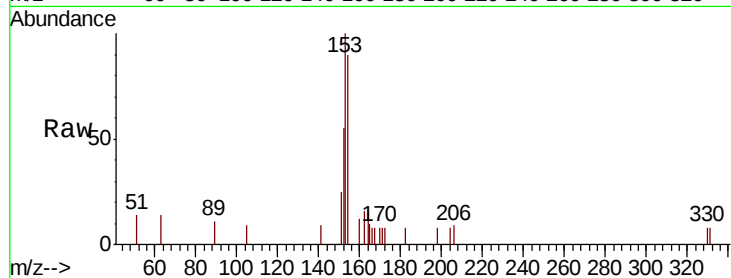
Tot Ion:154 Resp: 932

Ion Ratio Lower Upper

154 100

153 114.7 91.7 137.5

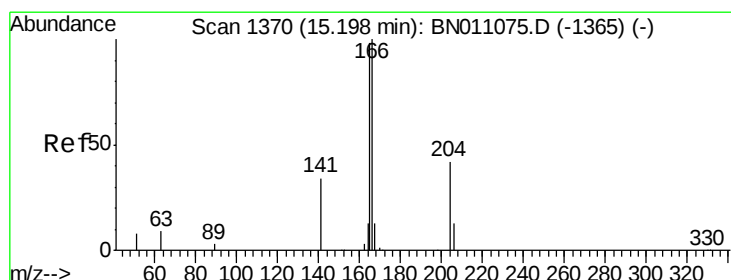
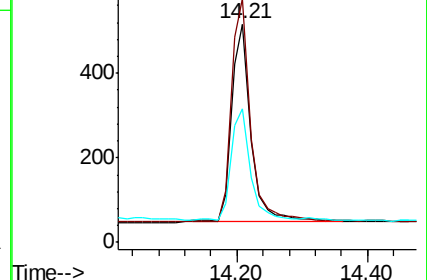
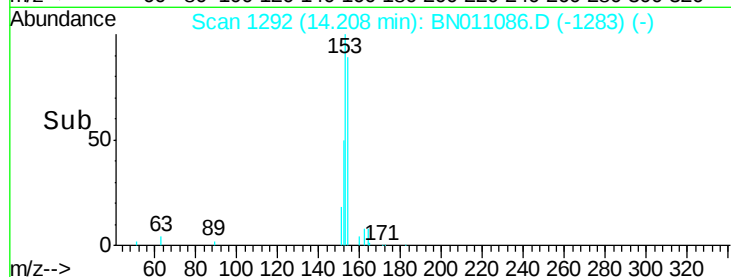
152 57.3 46.8 70.2



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: 0.087 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

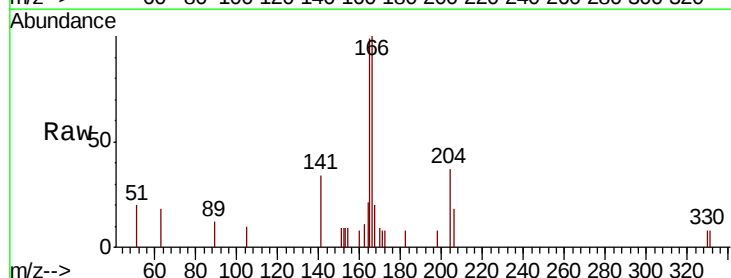
Tgt Ion:166 Resp: 1135

Ion Ratio Lower Upper

166 100

165 98.5 78.9 118.3

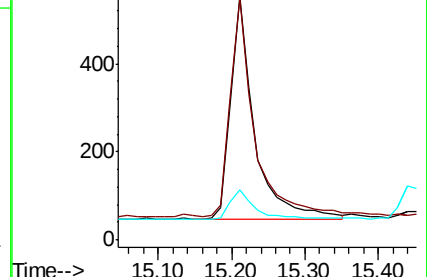
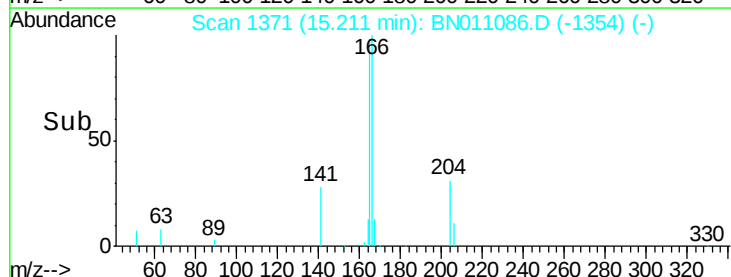
167 13.9 10.9 16.3

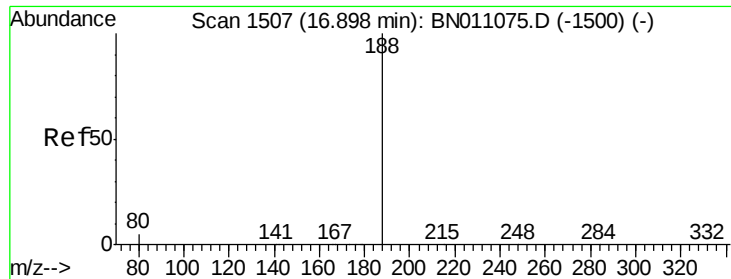


Abundance Ion 166.00 (165.70 to 166.70): E

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. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

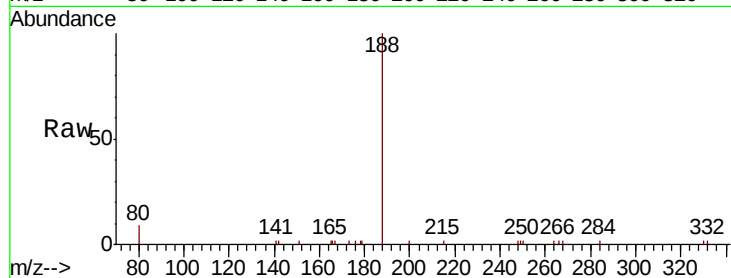
Tot Ion:188 Resp: 6164

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

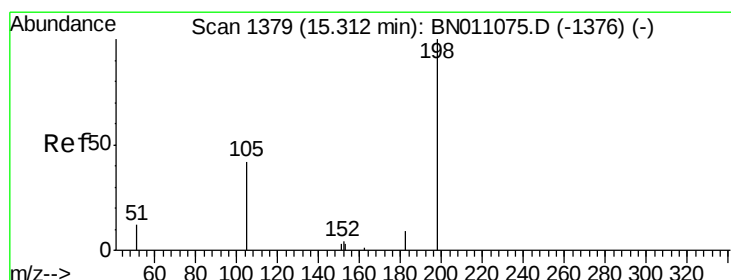
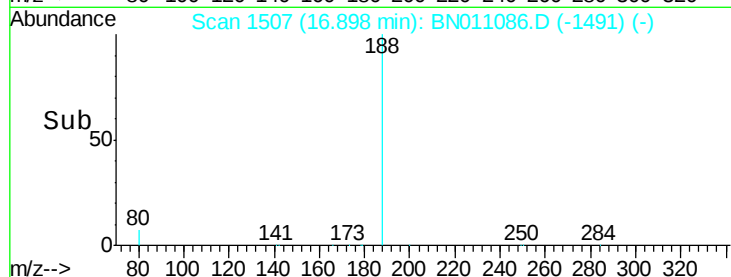
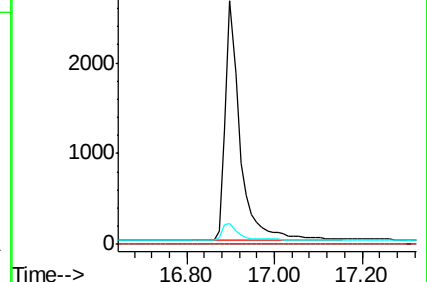
80 8.7 5.3 7.9#



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: 0.074 ng

RT: 15.36 min Scan# 1383

Delta R.T. 0.05 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

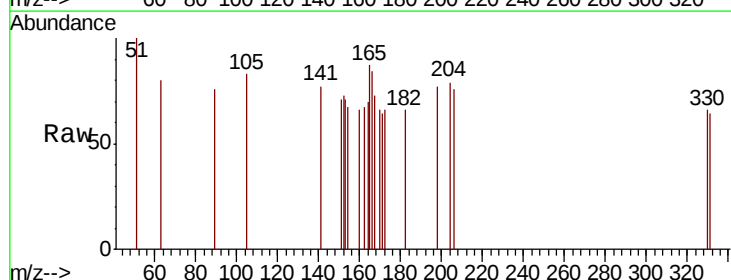
Tgt Ion:198 Resp: 49

Ion Ratio Lower Upper

198 100

51 129.6 58.2 87.4#

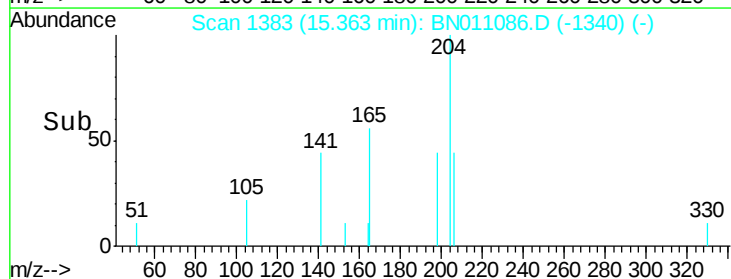
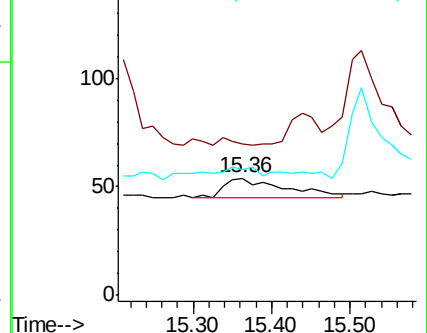
105 107.4 59.0 88.4#

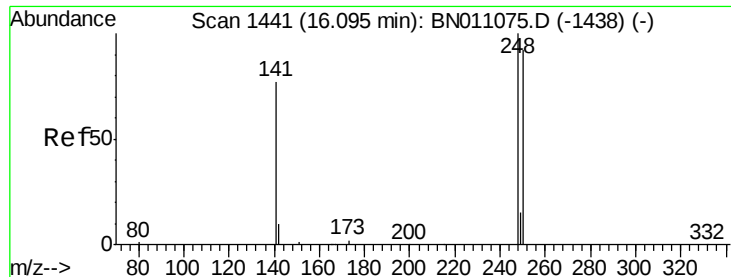


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

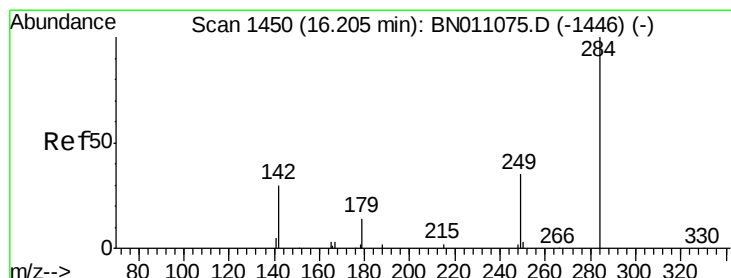
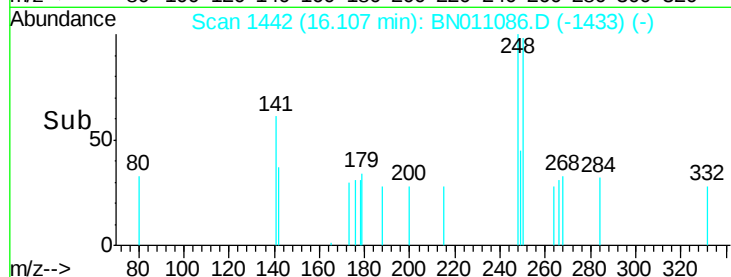
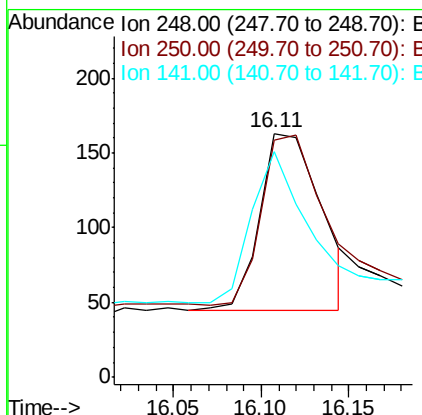
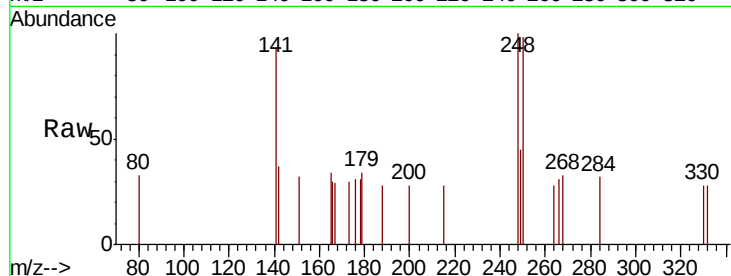




#21
4-Bromophenyl-phenylether
Concen: 0.070 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

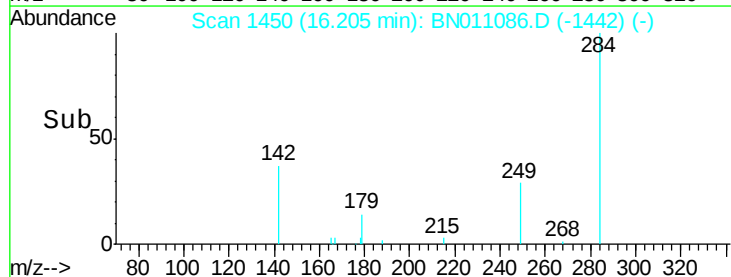
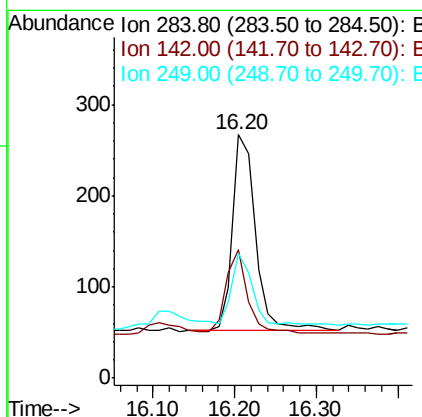
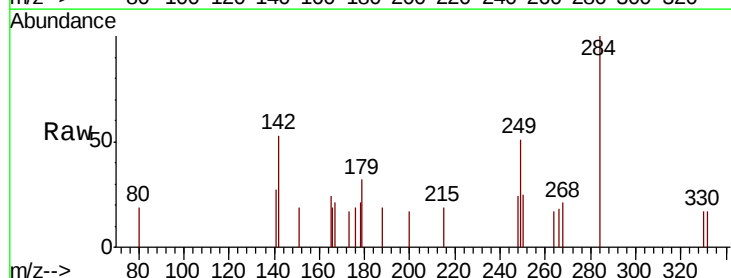
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

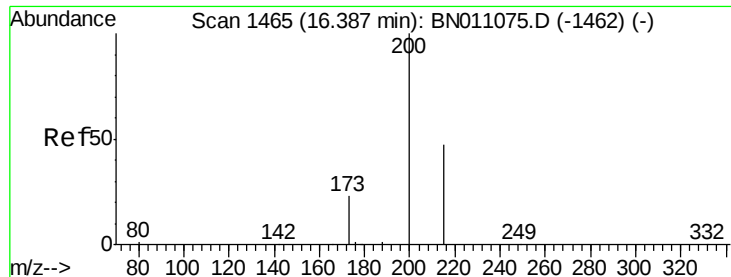
Tot Ion:248 Resp: 288
Ion Ratio Lower Upper
248 100
250 97.5 73.8 110.8
141 92.6 63.1 94.7



#22
Hexachlorobenzene
Concen: 0.088 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Tgt Ion:284 Resp: 424
Ion Ratio Lower Upper
284 100
142 39.9 33.3 49.9
249 30.9 27.4 41.2

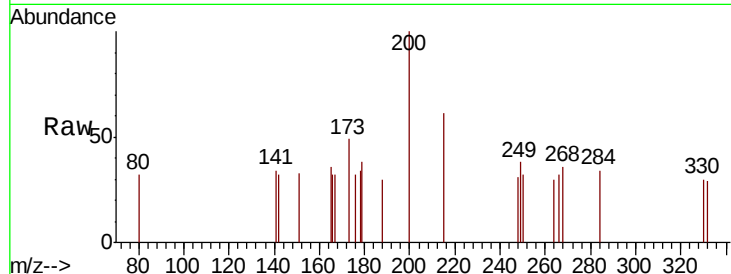




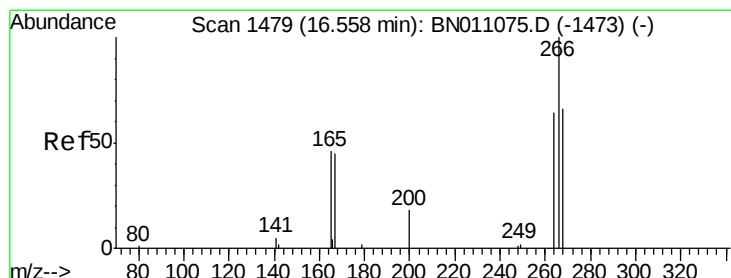
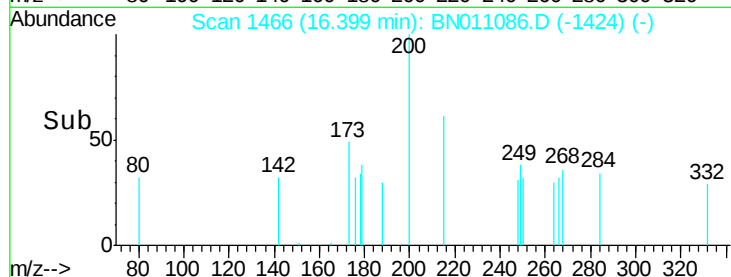
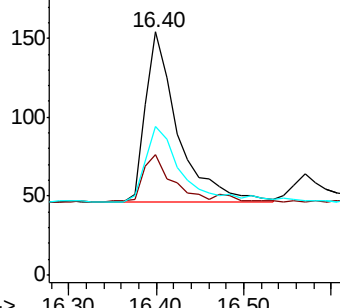
#23
Atrazine
Concen: 0.097 ng
RT: 16.40 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
200	100		
173	49.4	22.8	34.2#
215	61.0	40.7	61.1

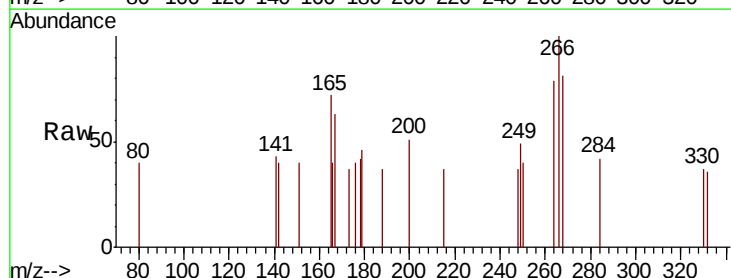


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

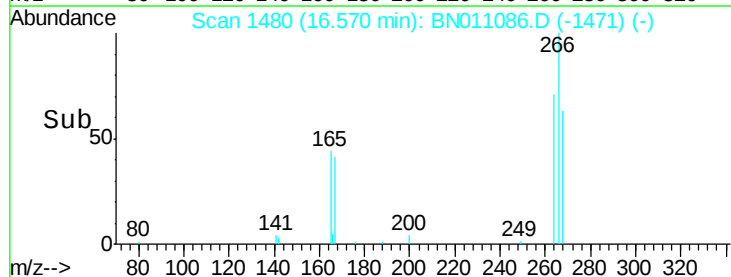
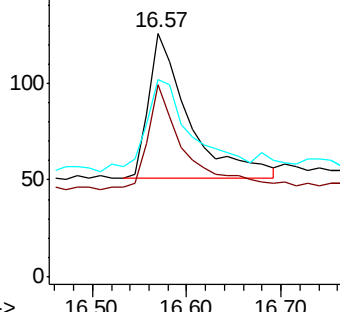


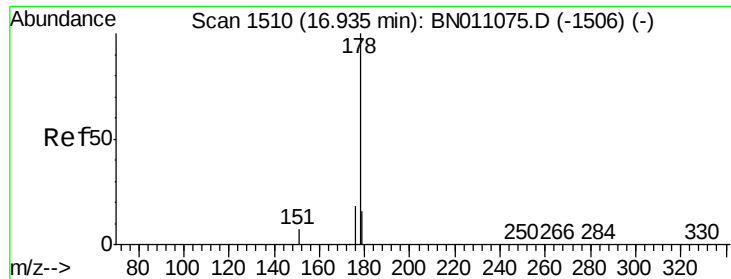
#24
Pentachlorophenol
Concen: 0.169 ng
RT: 16.57 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Tgt Ion	Ratio	Lower	Upper
266	100		
264	70.9	47.4	71.0
268	74.5	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

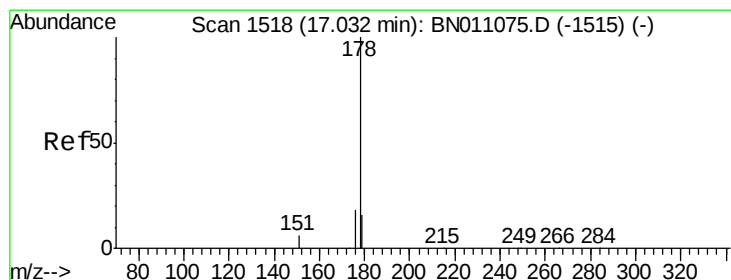
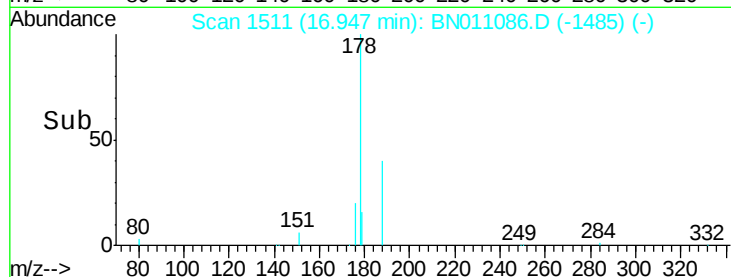
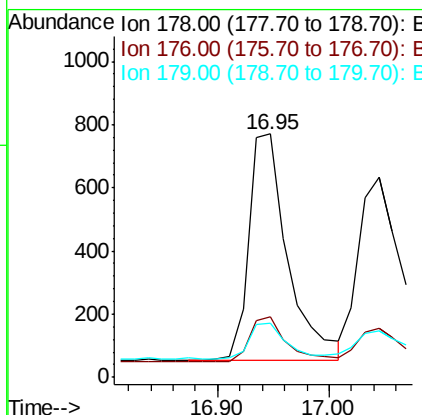
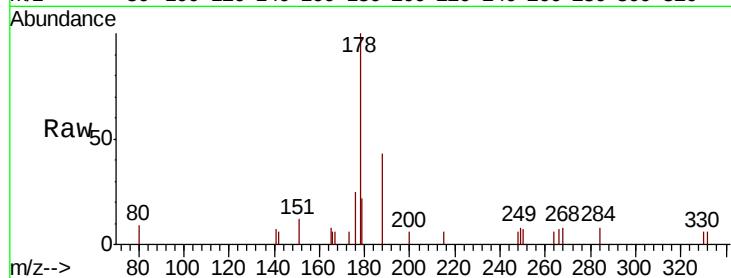




#25
Phenanthrene
Concen: 0.087 ng
RT: 16.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

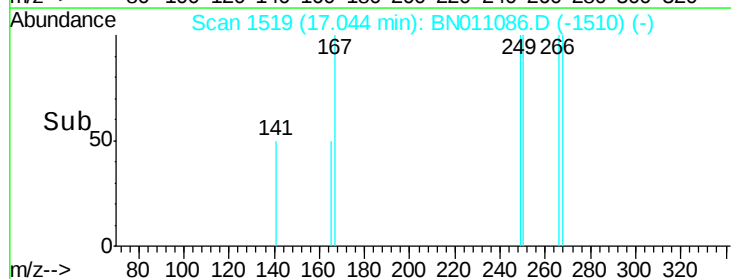
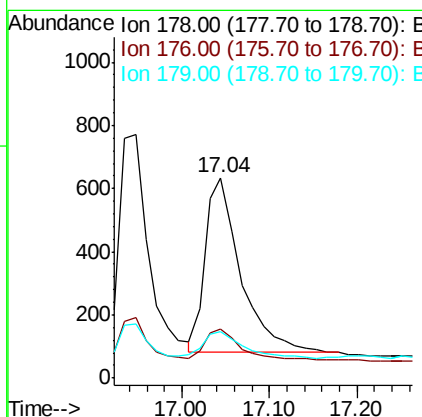
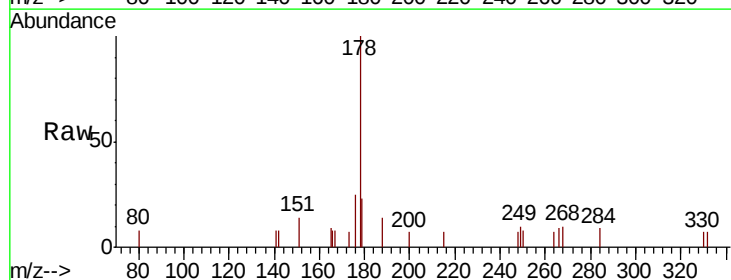
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

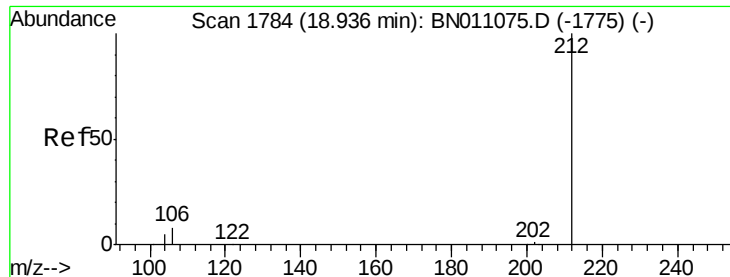
Tot Ion:178 Resp: 1745
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 16.2 12.5 18.7



#26
Anthracene
Concen: 0.094 ng
RT: 17.04 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Tgt Ion:178 Resp: 1552
Ion Ratio Lower Upper
178 100
176 18.0 14.2 21.4
179 16.7 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.340 ng

RT: 18.94 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

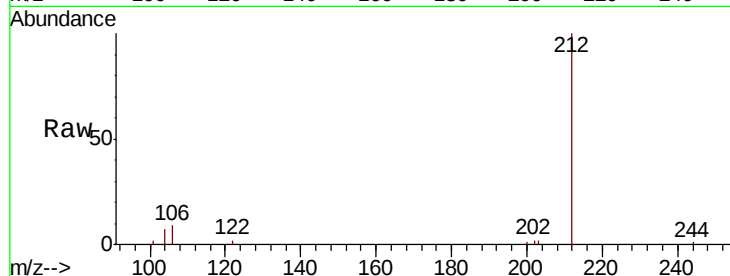
Tot Ion:212 Resp: 6330

Ion Ratio Lower Upper

212 100

106 8.9 7.1 10.7

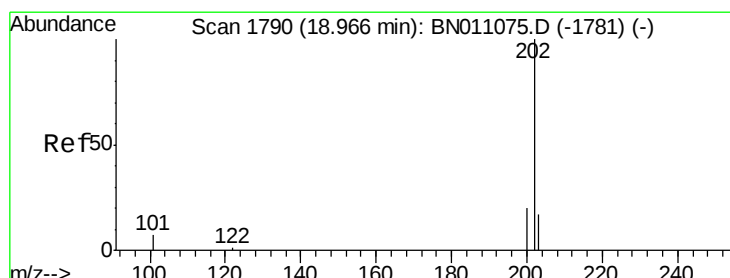
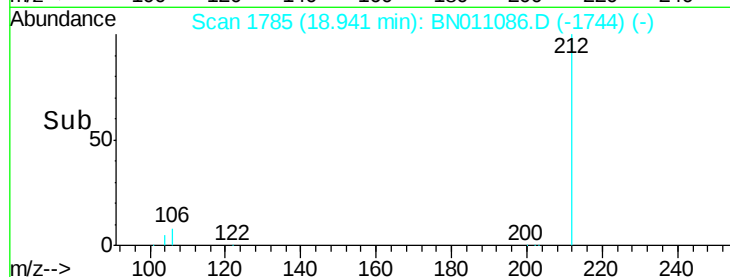
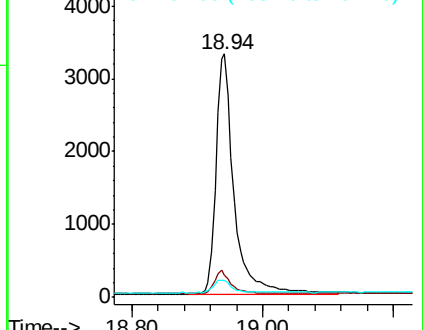
104 5.1 4.2 6.4



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# 1791

Delta R.T. 0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

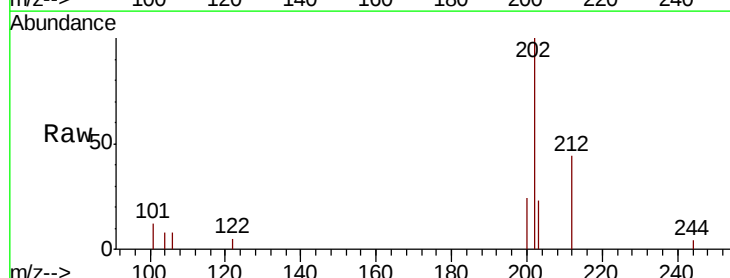
Tgt Ion:202 Resp: 2017

Ion Ratio Lower Upper

202 100

101 8.7 6.3 9.5

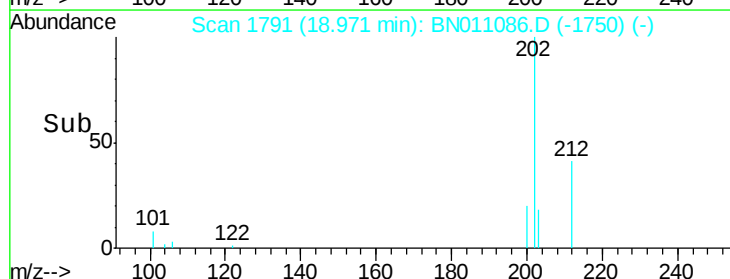
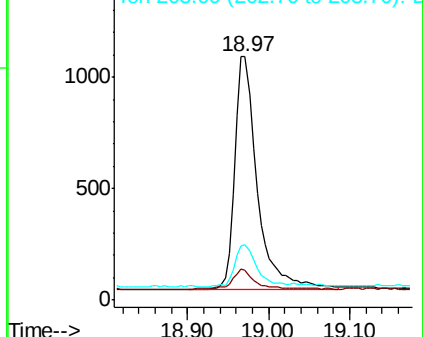
203 17.2 13.5 20.3

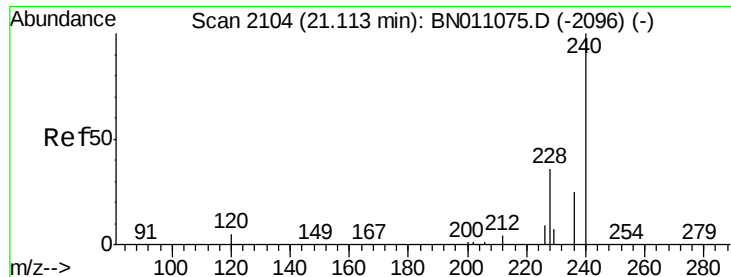


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

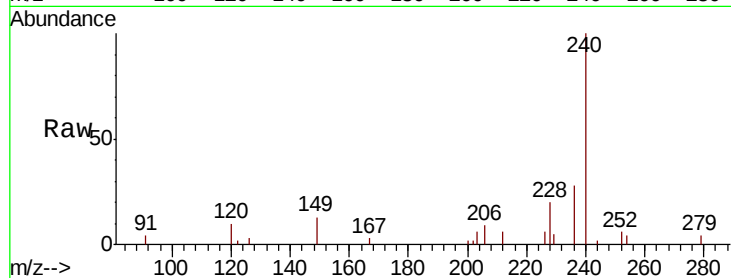
Tot Ion:240 Resp: 5289

Ion Ratio Lower Upper

240 100

120 10.2 6.5 9.7#

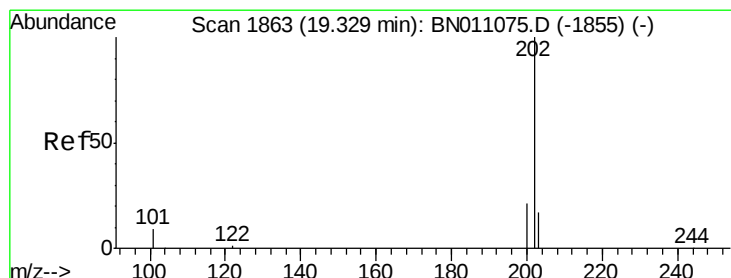
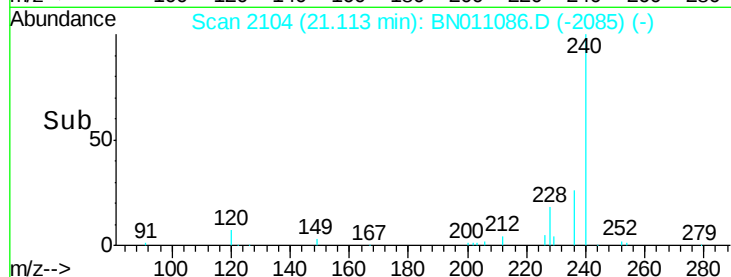
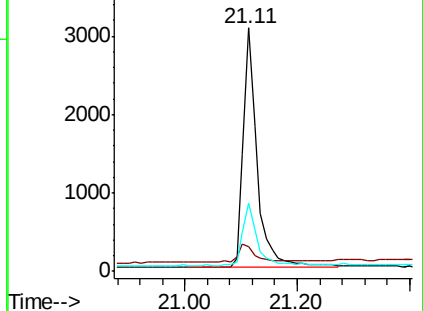
236 28.1 21.9 32.9



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: 0.100 ng

RT: 19.33 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

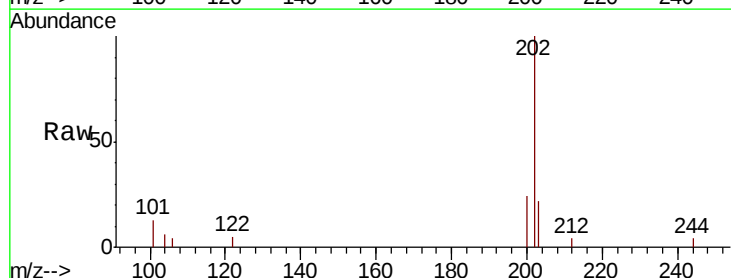
Tgt Ion:202 Resp: 1977

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

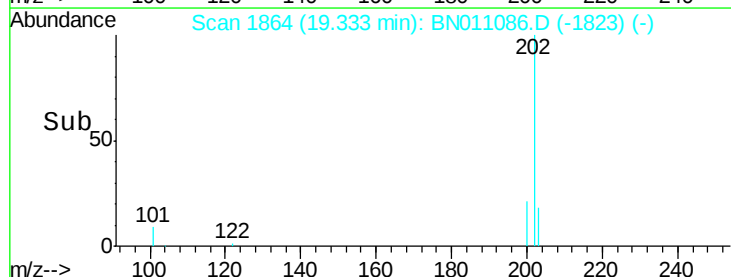
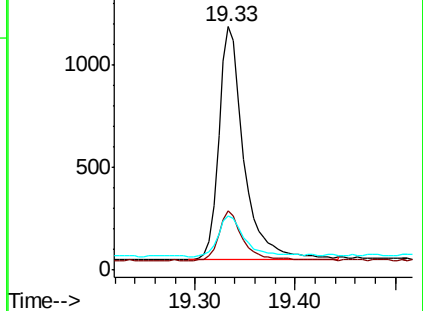
203 18.1 14.2 21.4

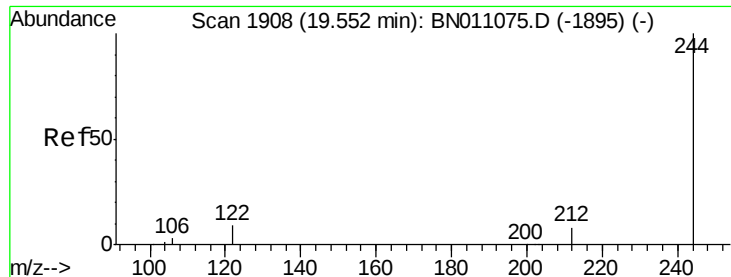


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.375 ng

RT: 19.56 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

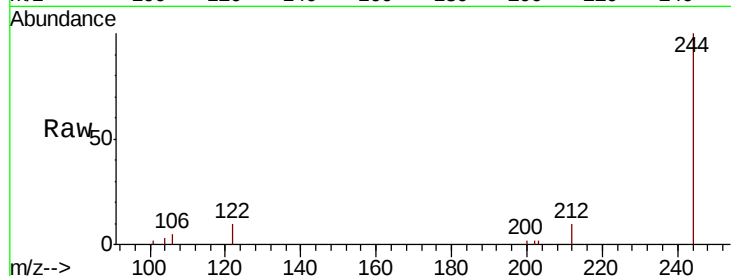
Tot Ion:244 Resp: 5167

Ion Ratio Lower Upper

244 100

212 9.8 7.5 11.3

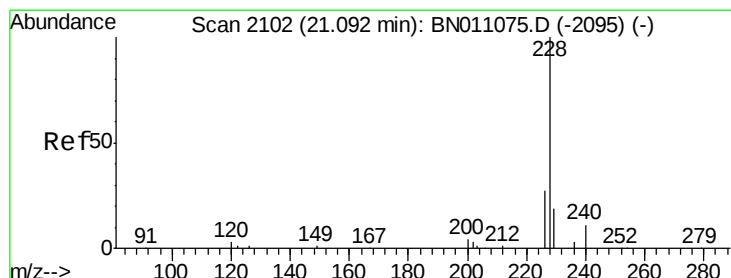
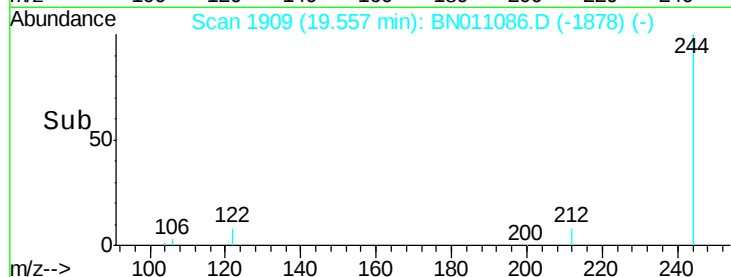
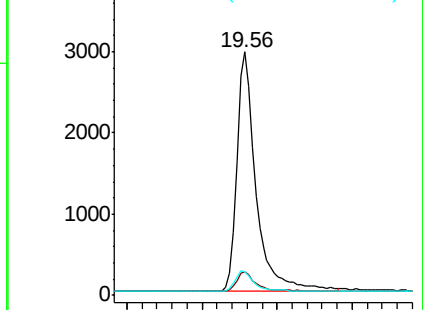
122 9.6 8.2 12.4



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: 0.088 ng

RT: 21.10 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

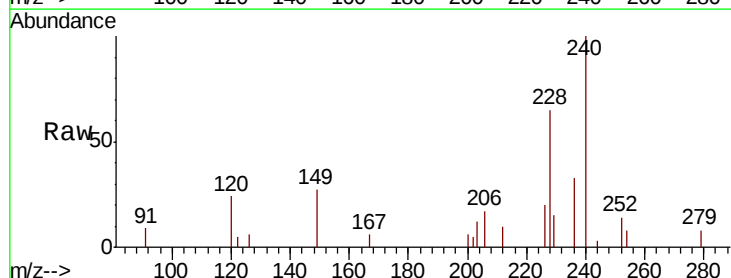
Tgt Ion:228 Resp: 1562

Ion Ratio Lower Upper

228 100

226 30.3 22.0 33.0

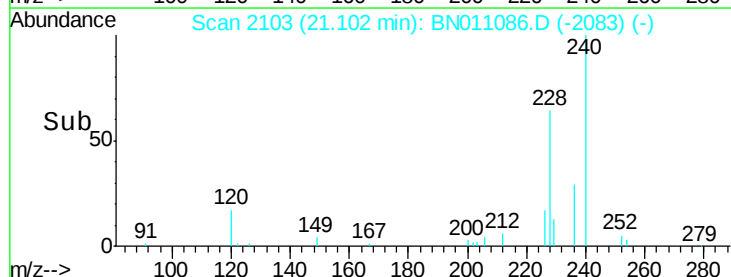
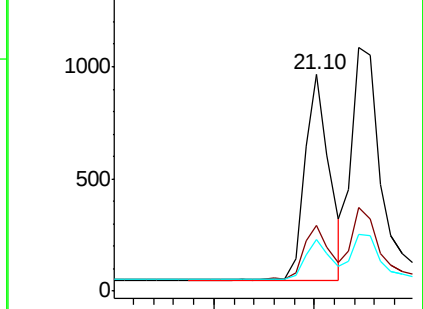
229 23.9 16.1 24.1

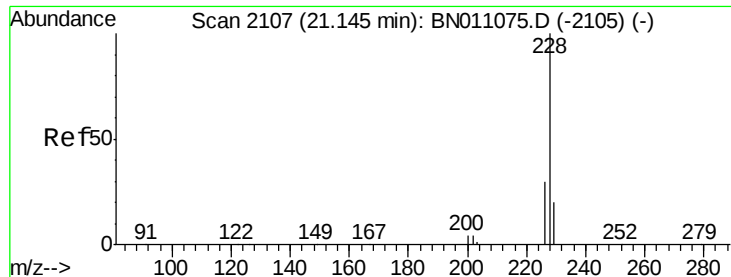


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.102 ng

RT: 21.14 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

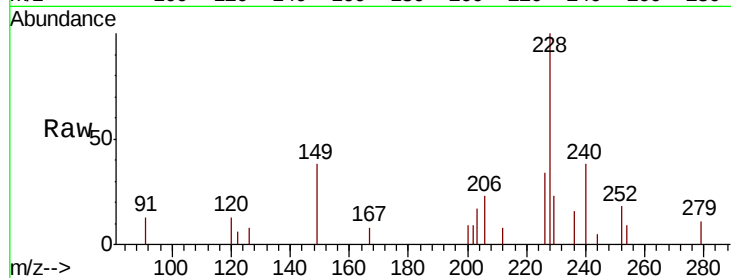
Tot Ion:228 Resp: 2075

Ion Ratio Lower Upper

228 100

226 34.1 24.0 36.0

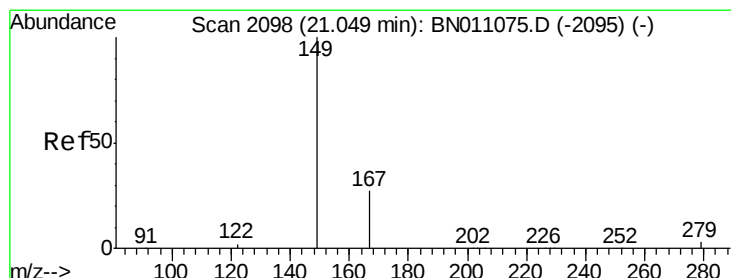
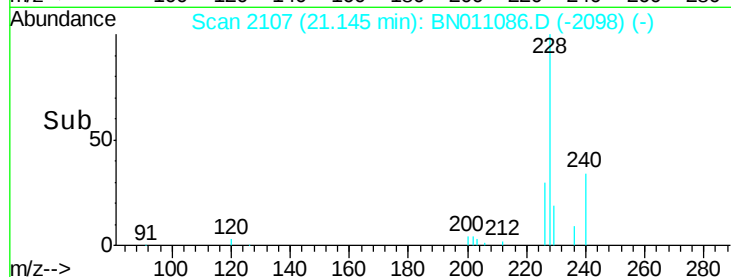
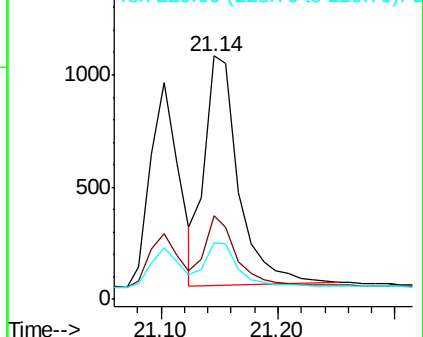
229 23.1 16.4 24.6



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: 0.145 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

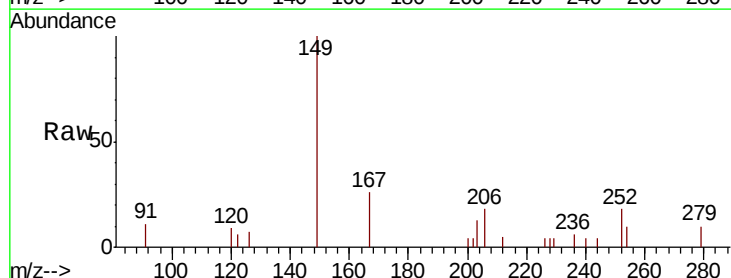
Tgt Ion:149 Resp: 1038

Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.4

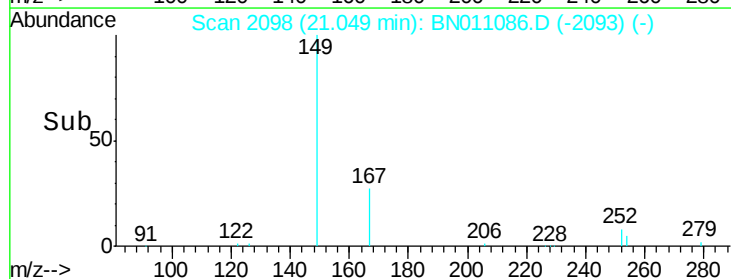
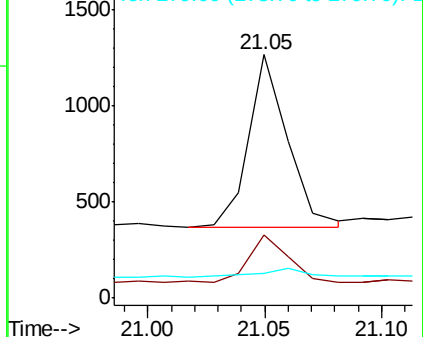
279 5.7 4.5 6.7

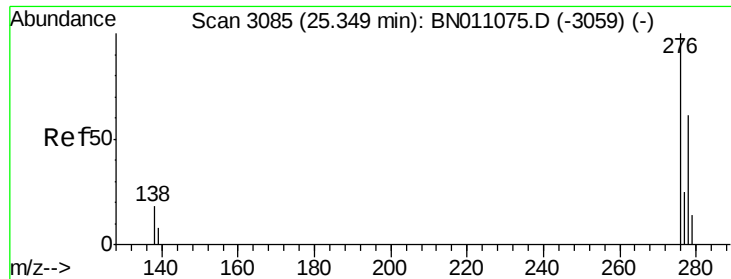


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

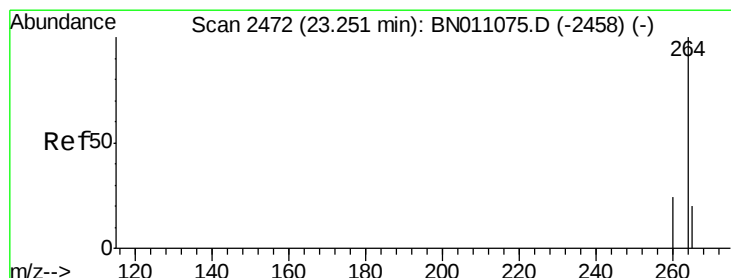
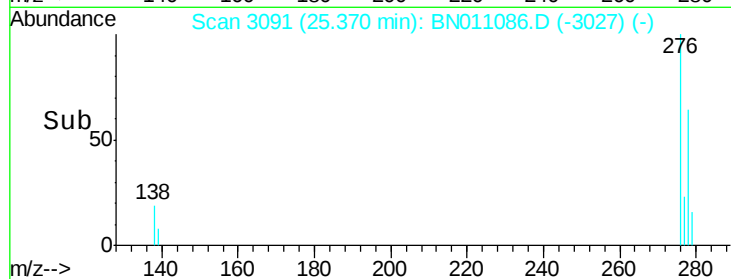
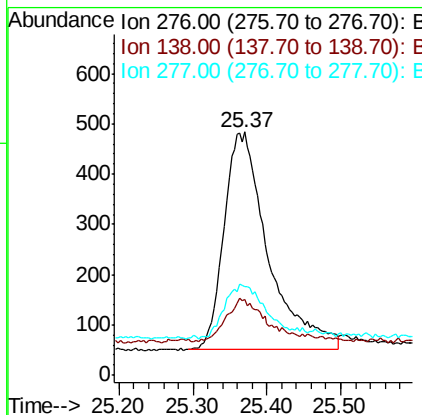
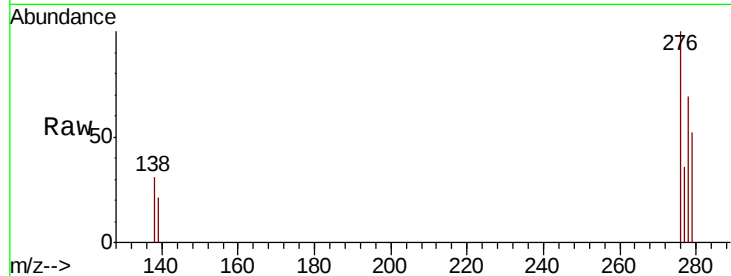




#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.085 ng
 RT: 25.37 min Scan# 3091
 Delta R.T. 0.02 min
 Lab File: BN011086.D
 Acq: 02 Jul 2020 15:18

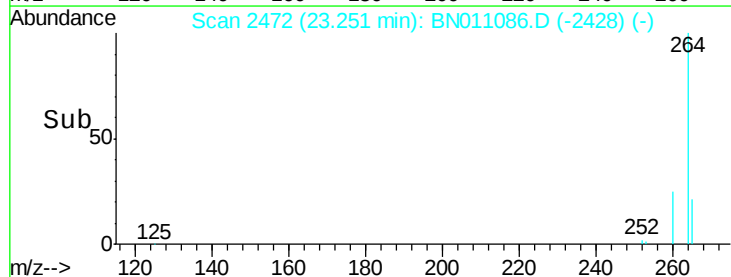
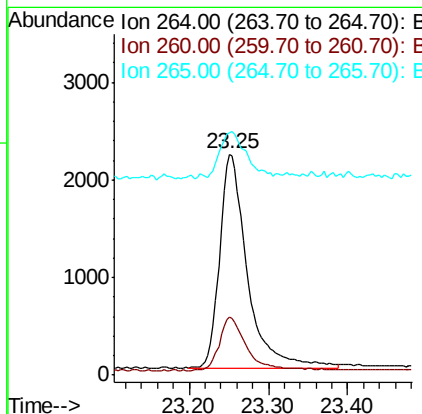
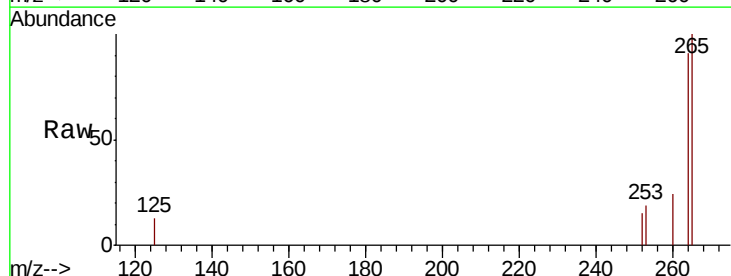
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-02

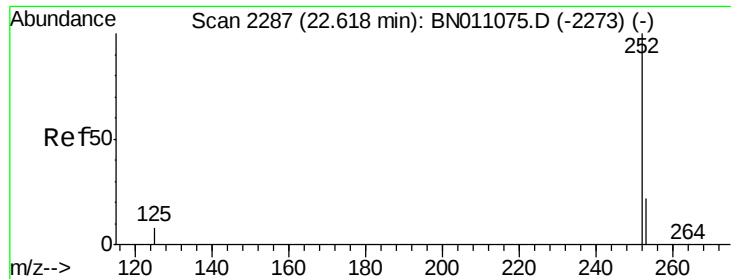
Tot Ion:276 Resp: 1800
 Ion Ratio Lower Upper
 276 100
 138 17.4 15.4 23.0
 277 23.6 19.4 29.0



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.25 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: BN011086.D
 Acq: 02 Jul 2020 15:18

Tgt Ion:264 Resp: 5327
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.4 30.6
 265 109.5 83.0 124.6

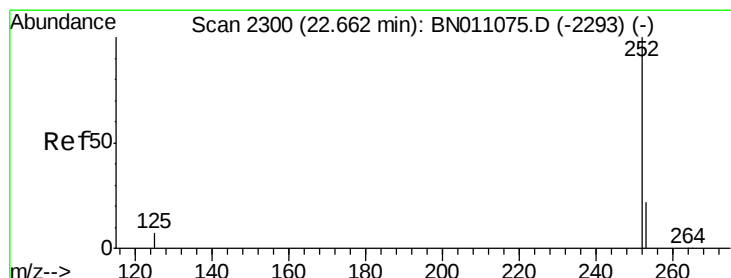
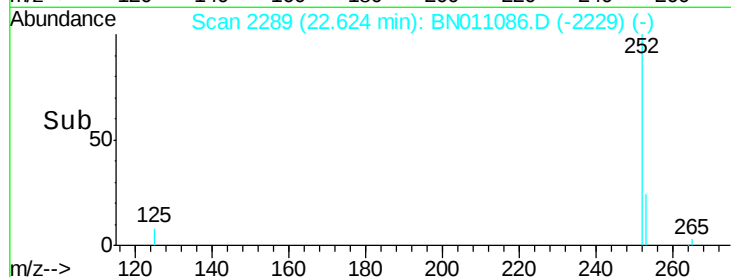
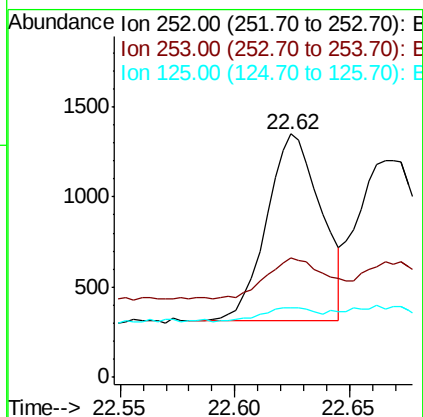
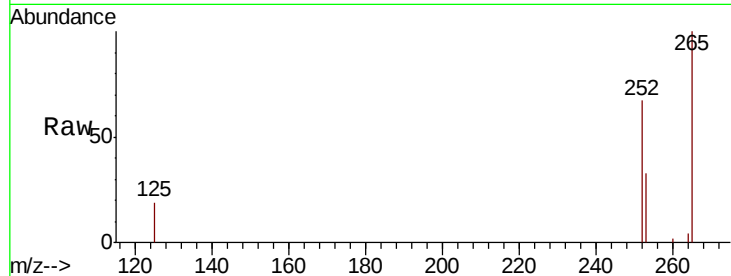




#37
Benzo(b)fluoranthene
Concen: 0.080 ng
RT: 22.62 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

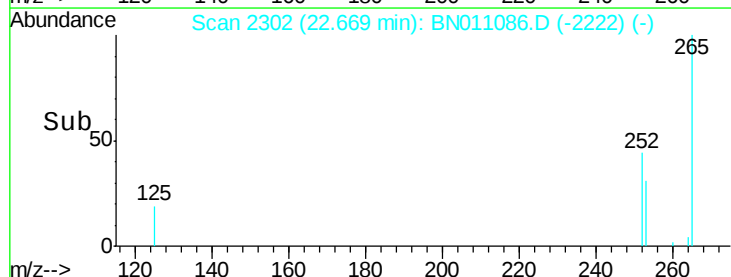
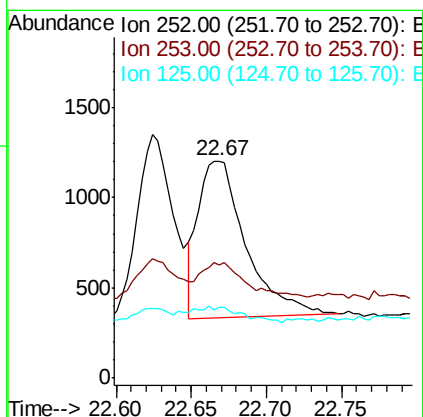
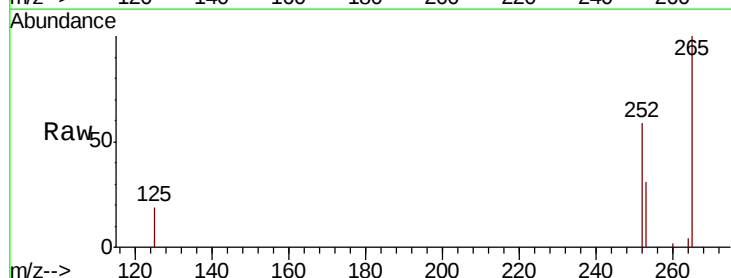
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-02

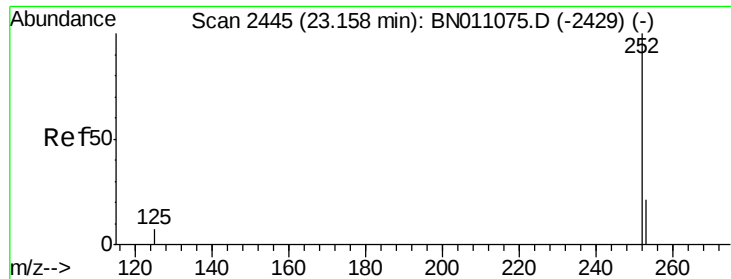
Tot Ion:252 Resp: 1718
Ion Ratio Lower Upper
252 100
253 48.9 22.7 34.1#
125 28.5 10.4 15.6#



#38
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.67 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BN011086.D
Acq: 02 Jul 2020 15:18

Tgt Ion:252 Resp: 1912
Ion Ratio Lower Upper
252 100
253 51.9 22.9 34.3#
125 32.7 10.6 15.8#





#39

Benzo(a)pyrene

Concen: 0.084 ng

RT: 23.17 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02

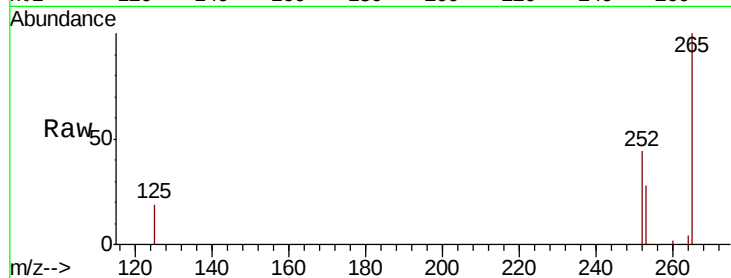
Tot Ion:252 Resp: 1552

Ion Ratio Lower Upper

252 100

253 64.1 25.9 38.9#

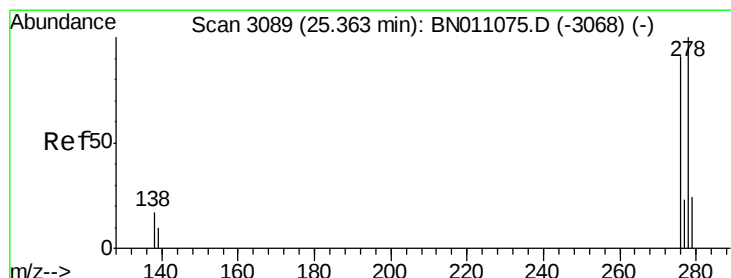
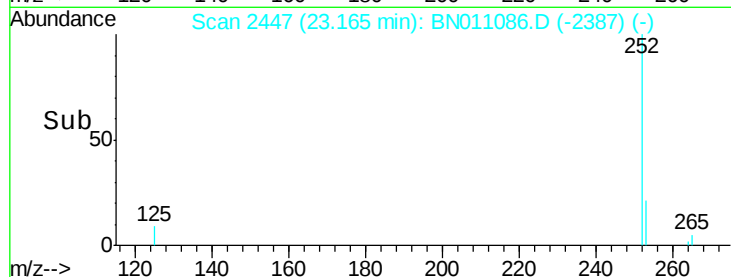
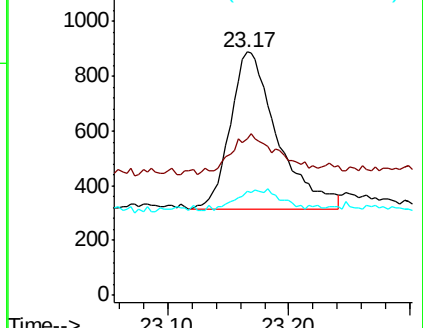
125 42.5 12.5 18.7#



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: 0.074 ng

RT: 25.38 min Scan# 3094

Delta R.T. 0.02 min

Lab File: BN011086.D

Acq: 02 Jul 2020 15:18

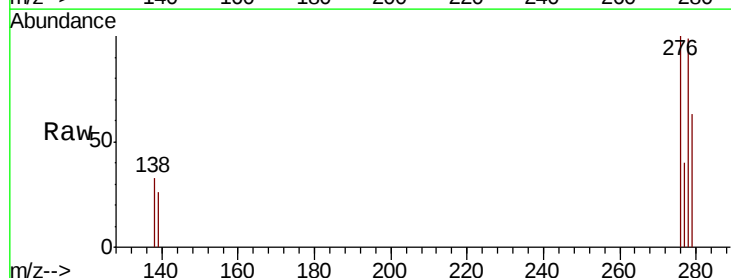
Tgt Ion:278 Resp: 1397

Ion Ratio Lower Upper

278 100

139 26.5 11.9 17.9#

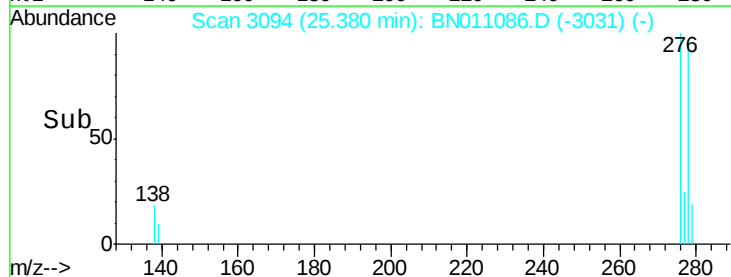
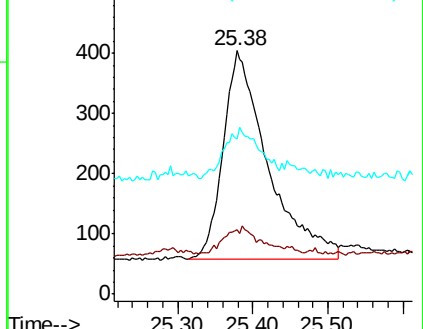
279 63.9 25.5 38.3#

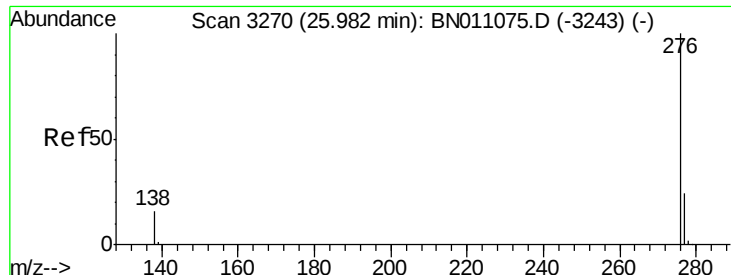


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.089 ng

RT: 26.00 min Scan# 3274

Delta R.T. 0.01 min

Lab File: BN011086.D

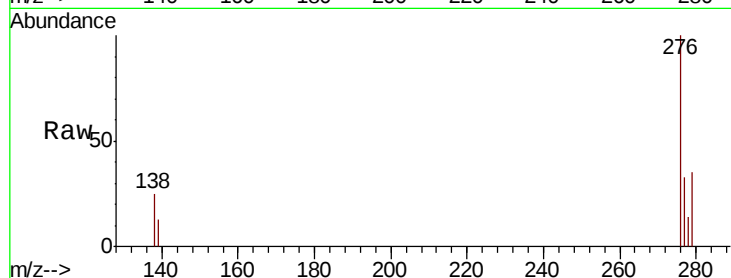
Acq: 02 Jul 2020 15:18

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-02



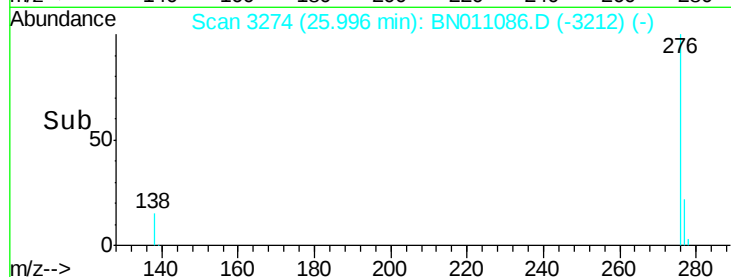
Tot Ion: 276 Resp: 1848

Ion Ratio Lower Upper

276 100

277 33.2 21.1 31.7#

138 25.2 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

