

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

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

Quant Time: Jul 06 12:29:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 10:52:12 2020
 Response via : Initial Calibration

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

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

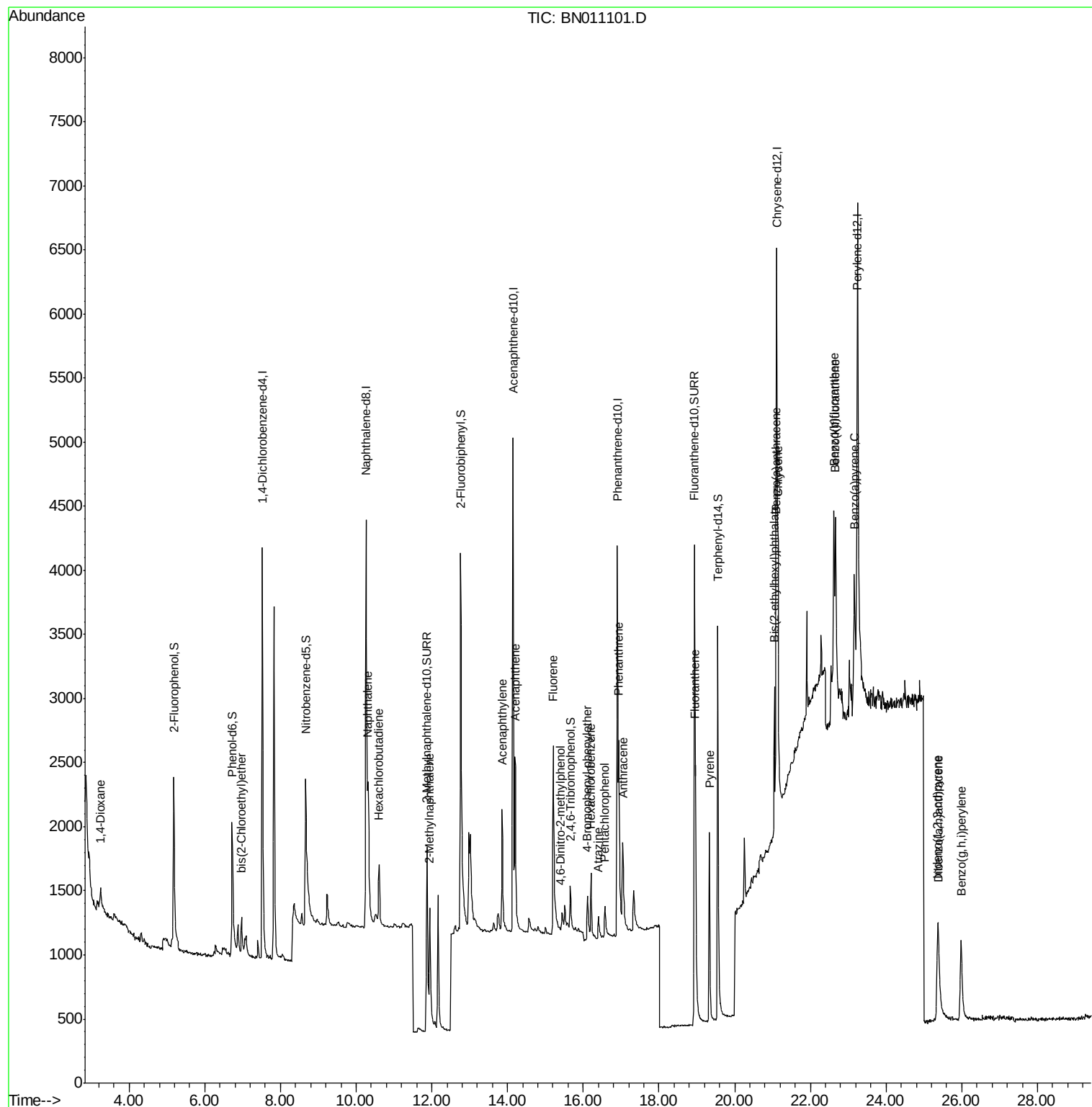
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	209	0.078	ng	98
6) bis(2-Chloroethyl)ether	6.97	93	425	0.086	ng	89
9) Naphthalene	10.32	128	1582	0.087	ng	# 89
10) Hexachlorobutadiene	10.61	225	390	0.085	ng	# 98
12) 2-Methylnaphthalene	11.94	142	999	0.082	ng	# 91
16) Acenaphthylene	13.85	152	1463	0.092	ng	99
17) Acenaphthene	14.21	154	890	0.083	ng	99
18) Fluorene	15.21	166	1076	0.080	ng	99
20) 4,6-Dinitro-2-methylphenol	15.39	198	37	0.136	ng	# 47
21) 4-Bromophenyl-phenylether	16.11	248	296	0.068	ng	96
22) Hexachlorobenzene	16.20	284	423	0.083	ng	99
23) Atrazine	16.40	200	268	0.088	ng	# 73
24) Pentachlorophenol	16.57	266	230	0.168	ng	93
25) Phenanthrene	16.93	178	1652	0.078	ng	98
26) Anthracene	17.04	178	1321	0.076	ng	98
28) Fluoranthene	18.97	202	1881	0.079	ng	98
30) Pyrene	19.33	202	1895	0.094	ng	99
32) Benzo(a)anthracene	21.09	228	1548	0.086	ng	92
33) Chrysene	21.14	228	1848	0.089	ng	94
34) Bis(2-ethylhexyl)phthalate	21.05	149	868	0.119	ng	# 96
35) Indeno(1,2,3-cd)pyrene	25.36	276	1557	0.072	ng	# 84
37) Benzo(b)fluoranthene	22.62	252	1790	0.072	ng	# 63
38) Benzo(k)fluoranthene	22.66	252	2115	0.080	ng	# 58
39) Benzo(a)pyrene	23.16	252	1672	0.078	ng	# 44
40) Dibenzo(a,h)anthracene	25.39	278	1101	0.050	ng	# 36
41) Benzo(g,h,i)perylene	25.99	276	1646	0.068	ng	# 81

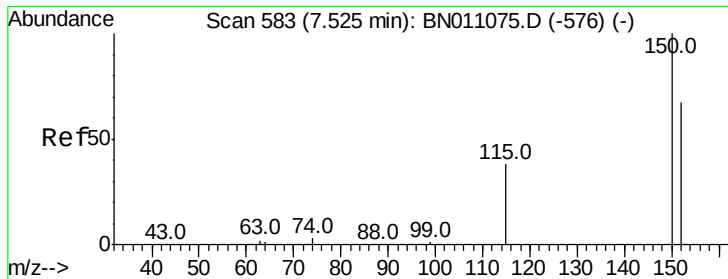
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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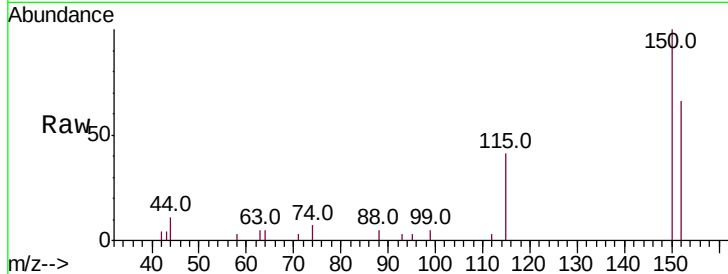


#1

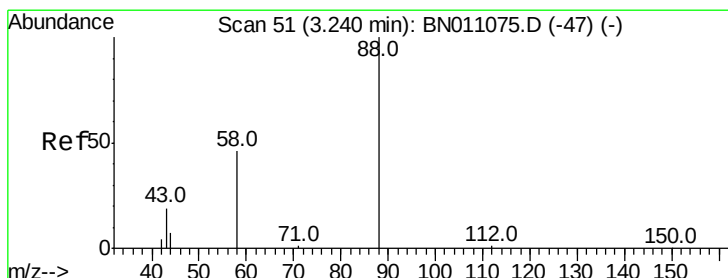
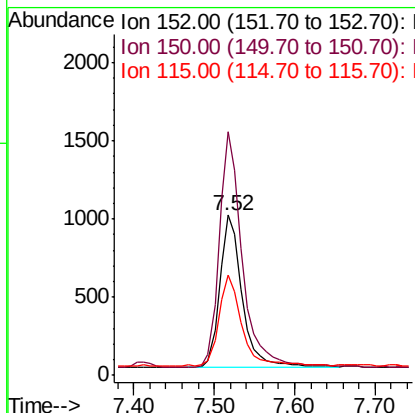
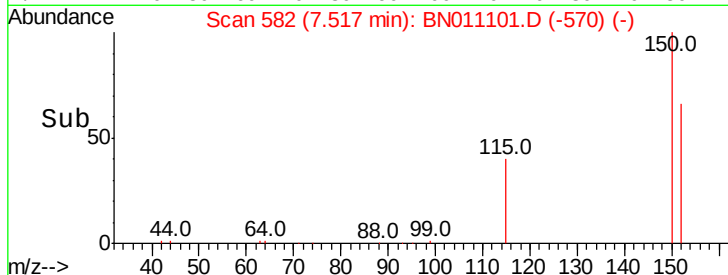
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

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



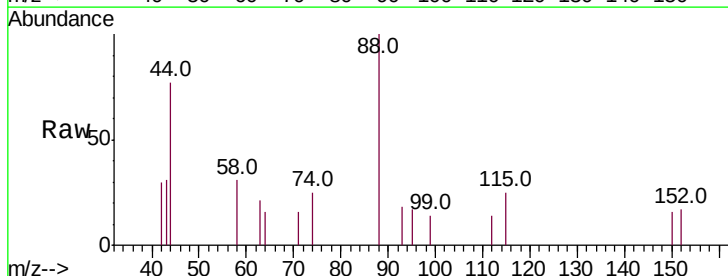
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



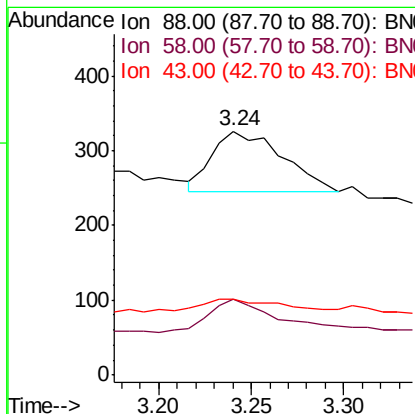
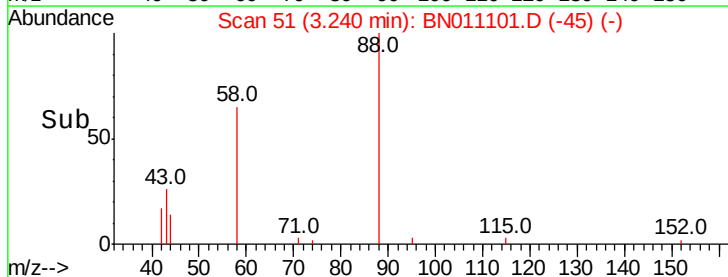
#2

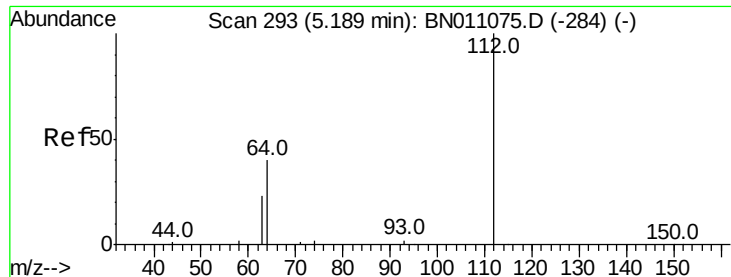
1,4-Dioxane
Concen: 0.078 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

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



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





#4

2-Fluorophenol

Concen: 0.364 ng

RT: 5.18 min Scan# 292

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

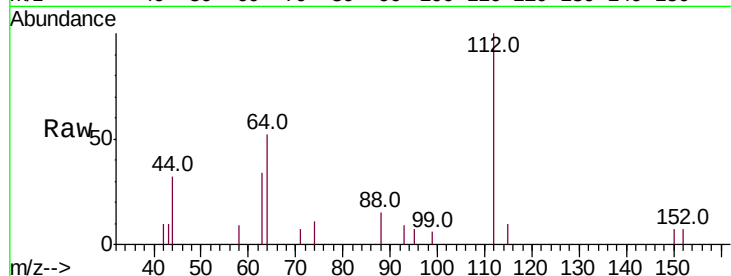
Tot Ion:112 Resp: 1725

Ion Ratio Lower Upper

112 100

64 45.1 36.5 54.7

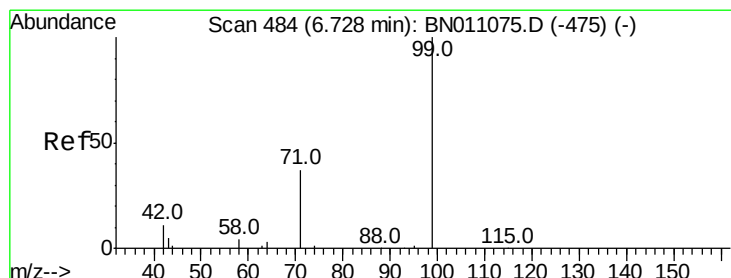
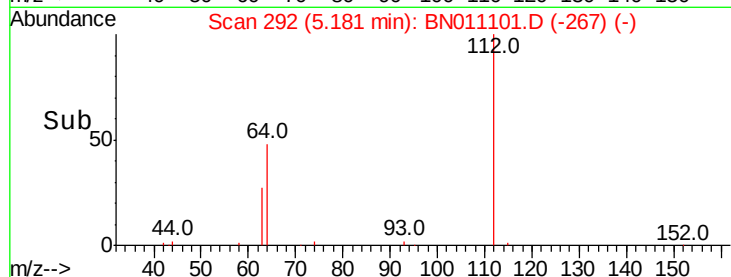
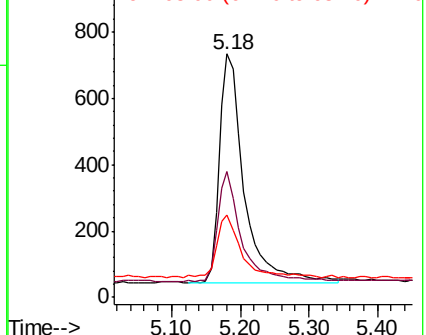
63 28.2 20.6 30.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.321 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

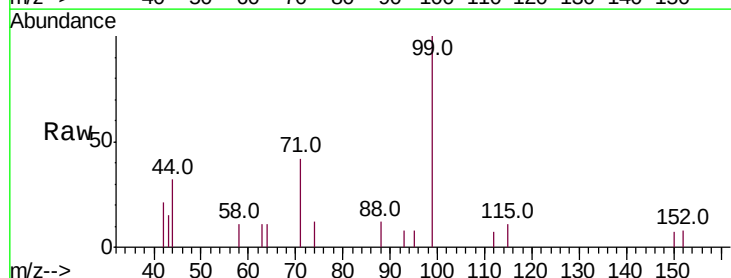
Tgt Ion: 99 Resp: 1746

Ion Ratio Lower Upper

99 100

42 13.7 9.8 14.8

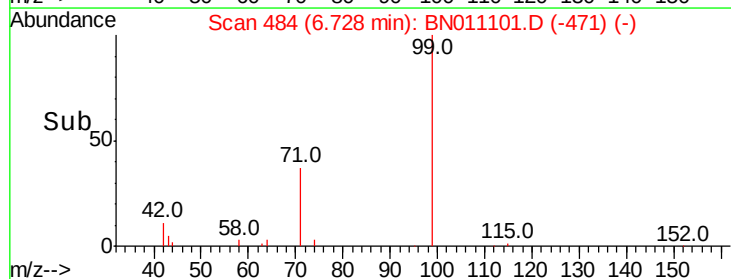
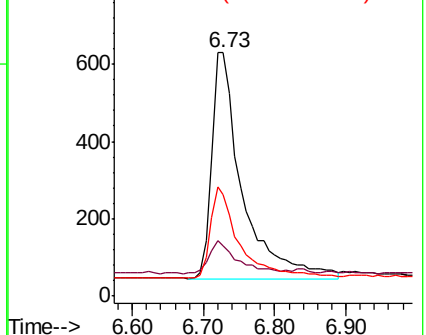
71 38.0 30.7 46.1

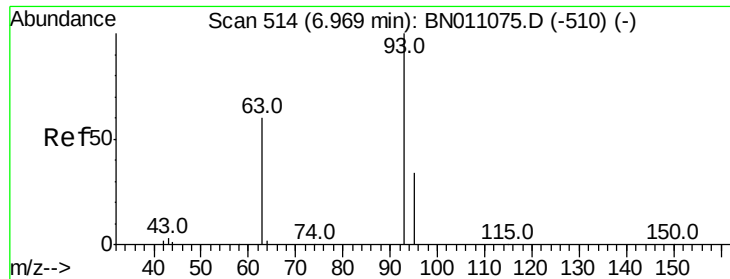


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.086 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

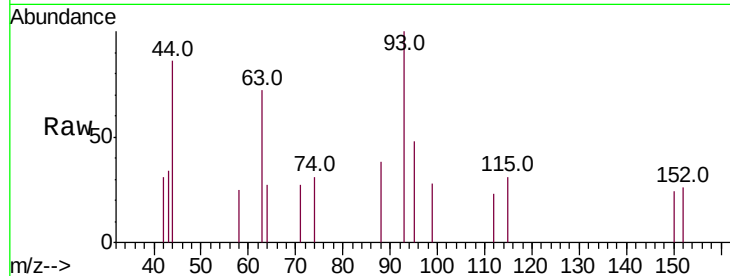
Tot Ion: 93 Resp: 425

Ion Ratio Lower Upper

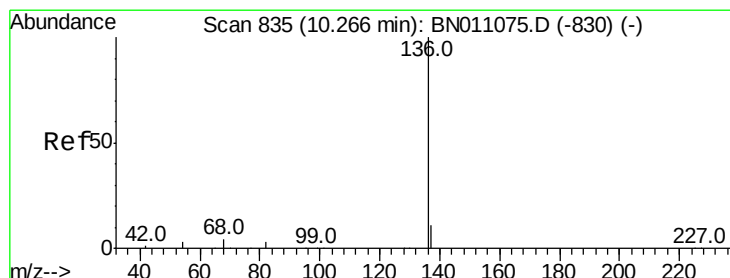
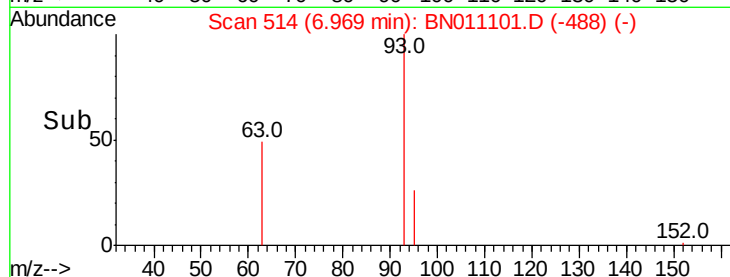
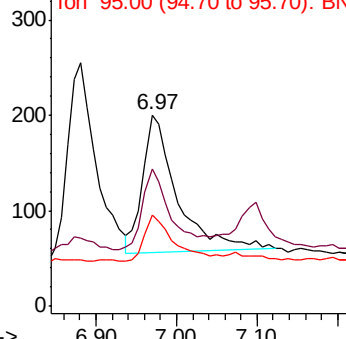
93 100

63 49.2 47.4 71.2

95 29.9 26.4 39.6



Abundance Ion 93.00 (92.70 to 93.70): BN011101.D (-488) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Tgt Ion: 136 Resp: 6082

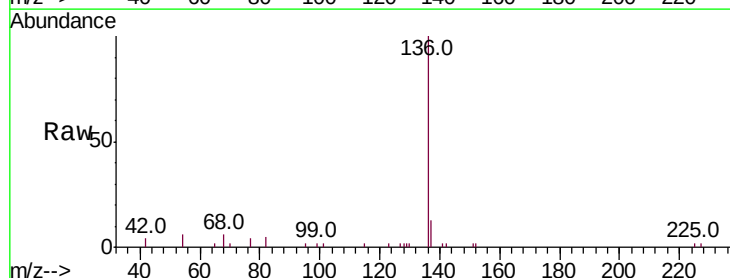
Ion Ratio Lower Upper

136 100

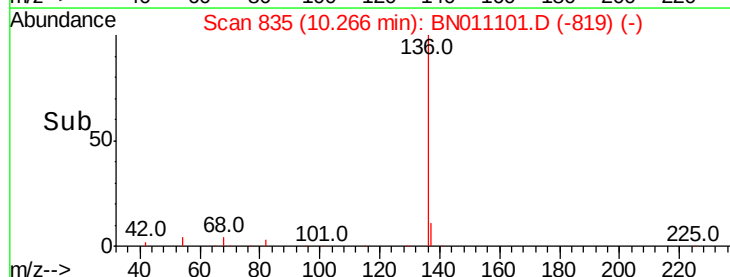
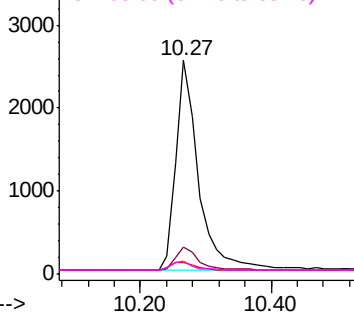
137 12.9 9.6 14.4

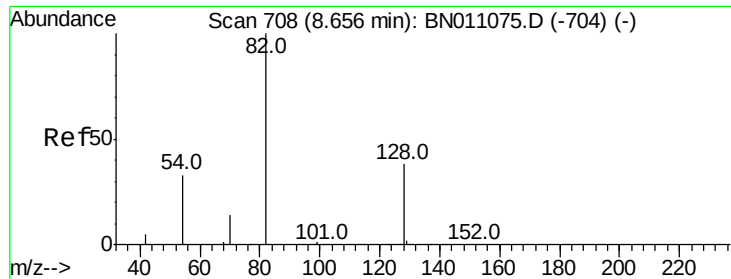
54 5.7 3.8 5.6#

68 6.2 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): BN011101.D (-819) (-)





#8

Nitrobenzene-d5

Concen: 0.331 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

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ClientSampleId :

MDL-SOIL-05

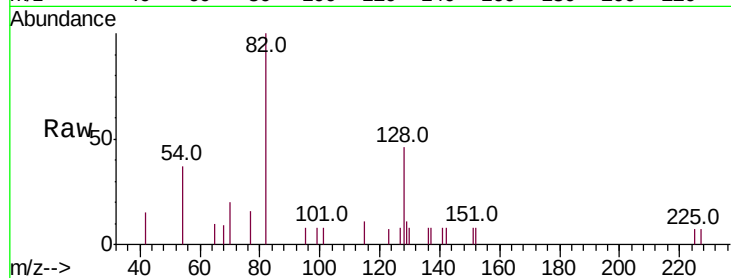
Tot Ion: 82 Resp: 1713

Ion Ratio Lower Upper

82 100

128 45.8 34.2 51.2

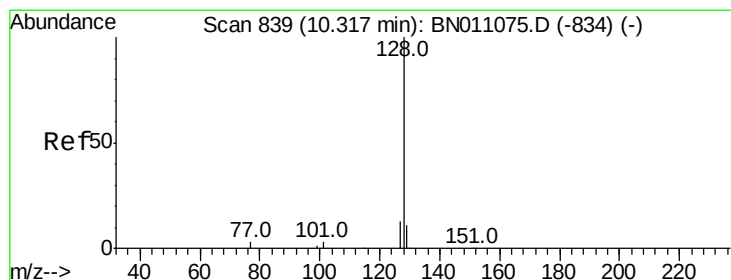
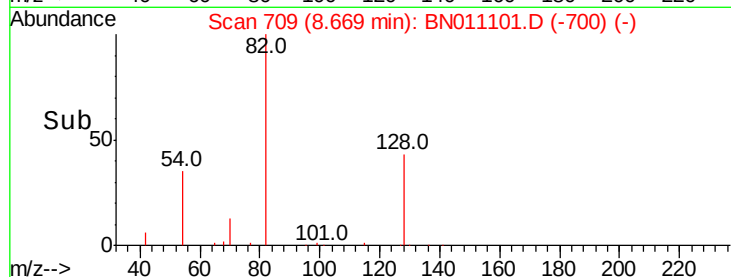
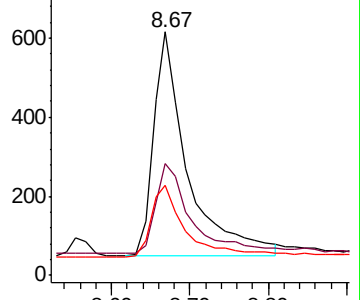
54 37.0 29.4 44.0



Abundance Ion 82.00 (81.70 to 82.70): BN011101.D (-700) (-)

Ion 128.00 (127.70 to 128.70): BN011101.D (-700) (-)

Ion 54.00 (53.70 to 54.70): BN011101.D (-700) (-)



#9

Naphthalene

Concen: 0.087 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

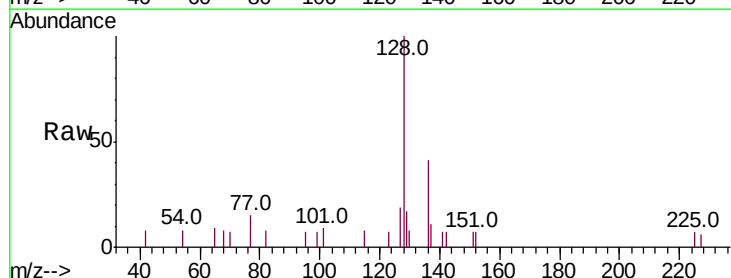
Tgt Ion:128 Resp: 1582

Ion Ratio Lower Upper

128 100

129 16.7 9.8 14.8#

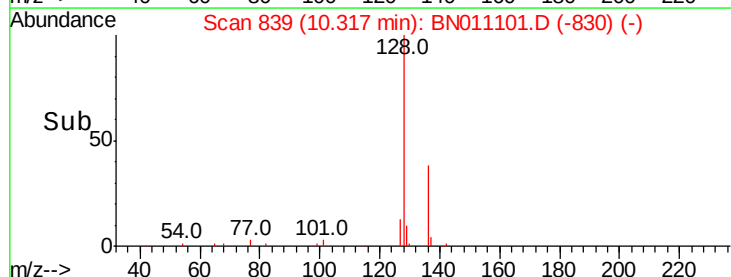
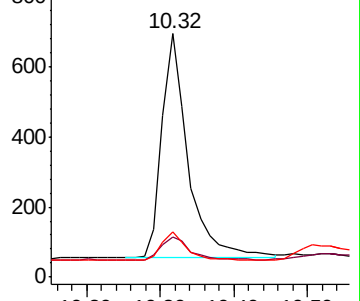
127 18.7 11.3 16.9#

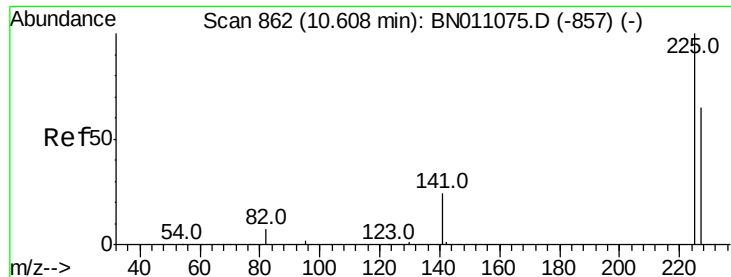


Abundance Ion 128.00 (127.70 to 128.70): BN011101.D (-830) (-)

Ion 129.00 (128.70 to 129.70): BN011101.D (-830) (-)

Ion 127.00 (126.70 to 127.70): BN011101.D (-830) (-)

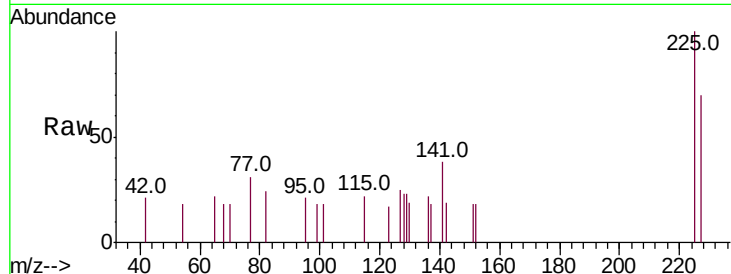




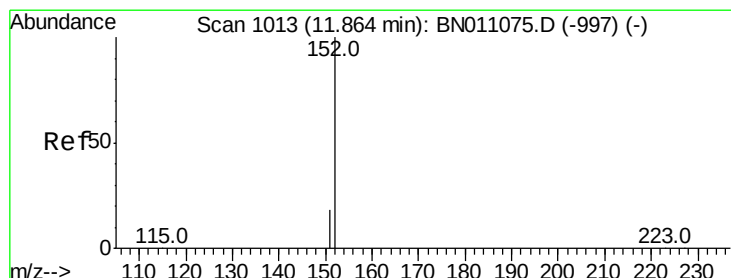
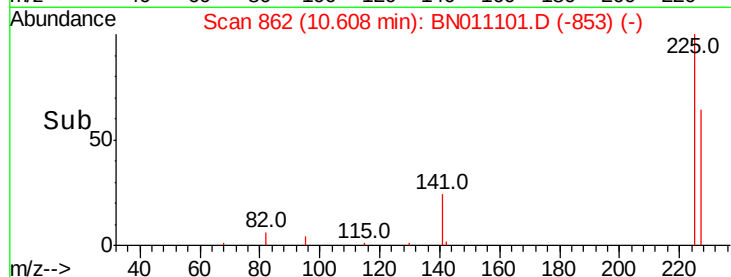
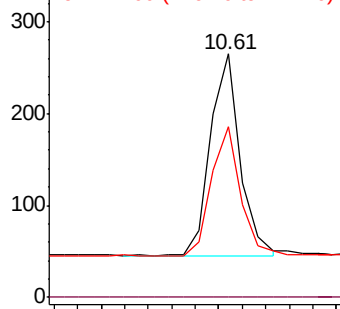
#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 10.61 min Scan# 862
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
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Tot Ion:225 Resp: 390
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.8 51.4 77.2

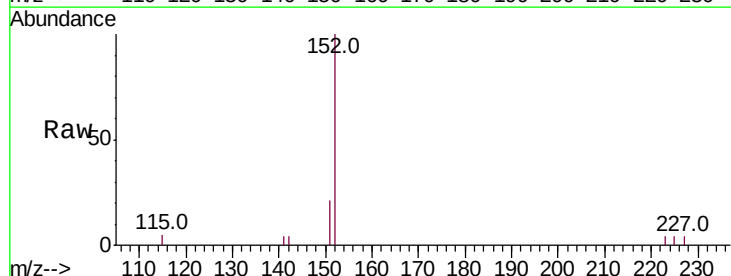


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

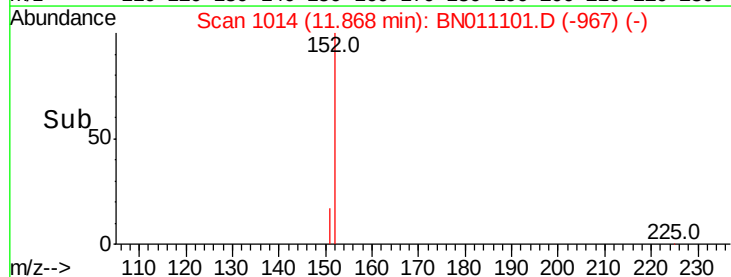
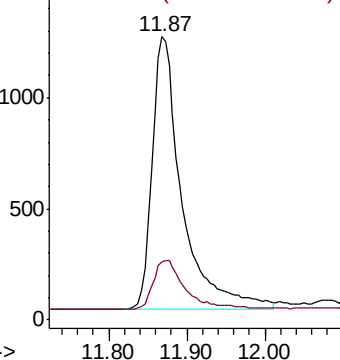


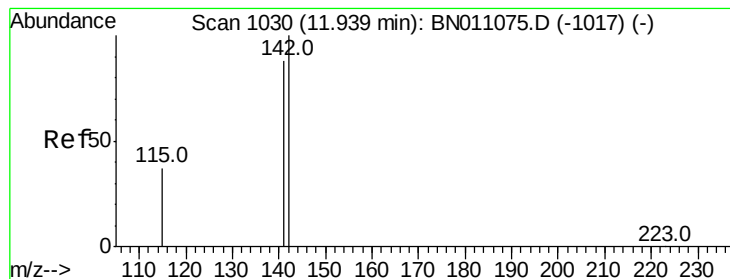
#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 11.87 min Scan# 1014
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:152 Resp: 3261
Ion Ratio Lower Upper
152 100
151 19.3 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.082 ng

RT: 11.94 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

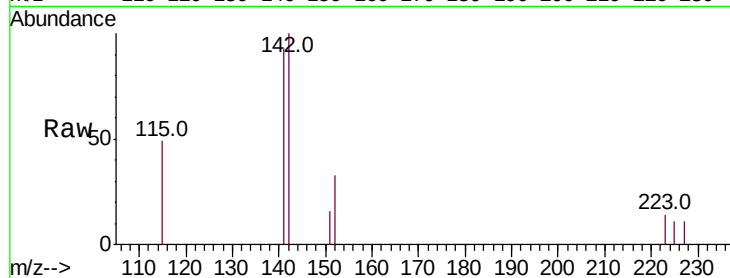
Tot Ion:142 Resp: 999

Ion Ratio Lower Upper

142 100

141 92.8 70.3 105.5

115 48.7 31.2 46.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

600

400

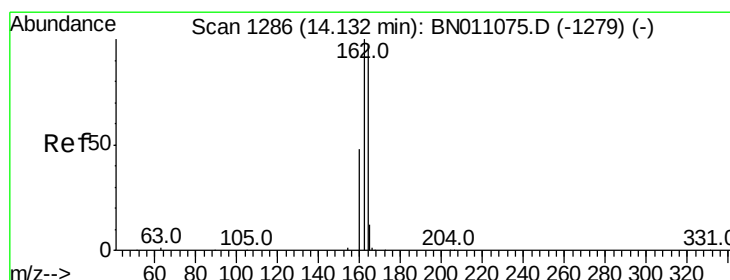
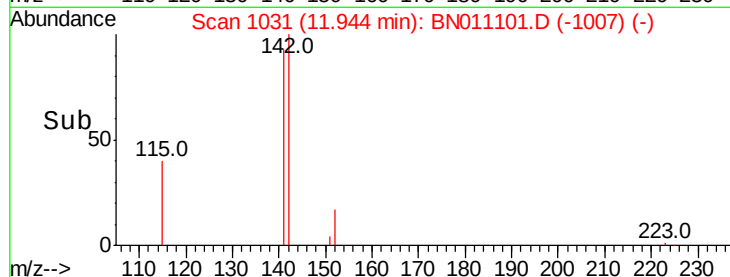
200

0

11.94

11.90 12.00 12.10

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

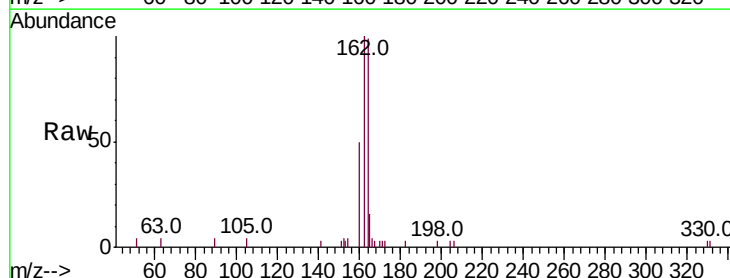
Tgt Ion:164 Resp: 3167

Ion Ratio Lower Upper

164 100

162 101.1 82.3 123.5

160 50.3 40.6 61.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

2000

1500

1000

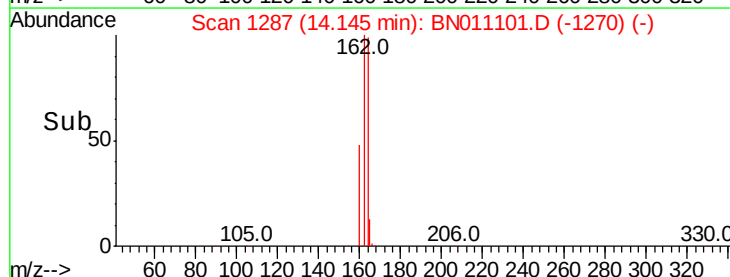
500

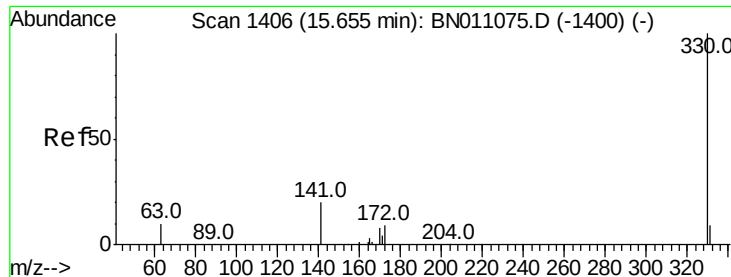
0

14.14

14.10 14.20 14.30

Time-->

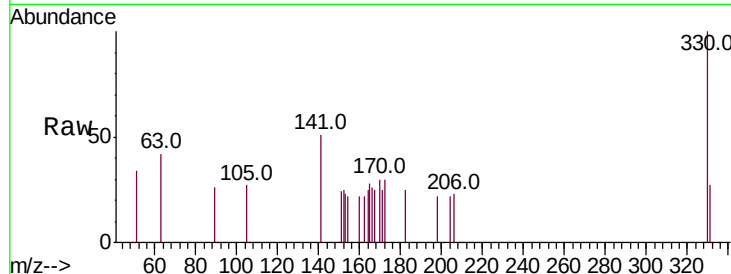




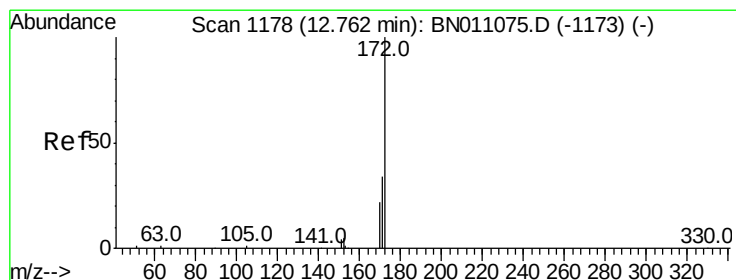
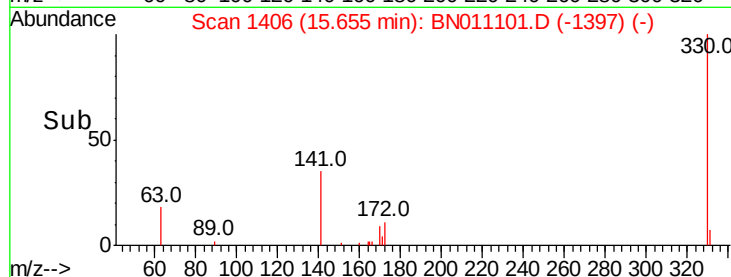
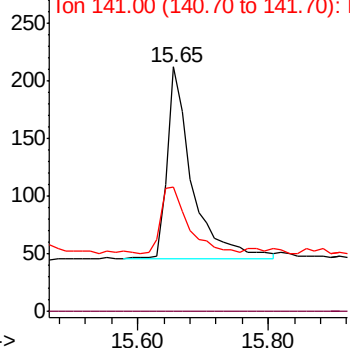
#14
2,4,6-Tribromophenol
Concen: 0.335 ng
RT: 15.65 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion:330 Resp: 445
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.3 32.6 49.0

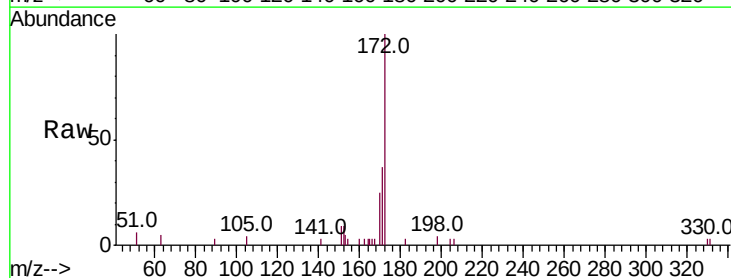


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

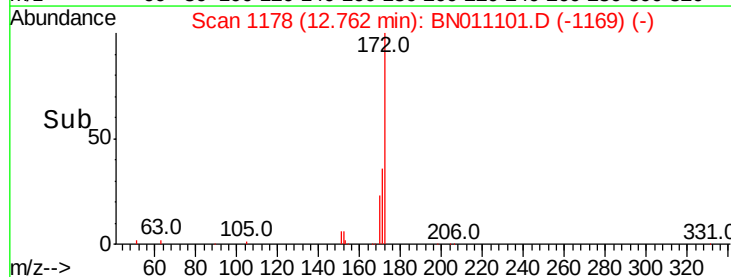
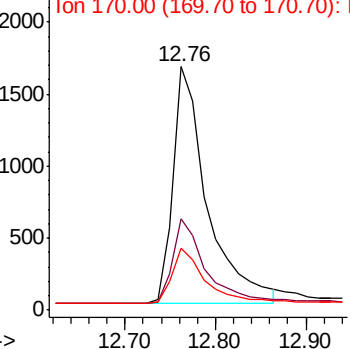


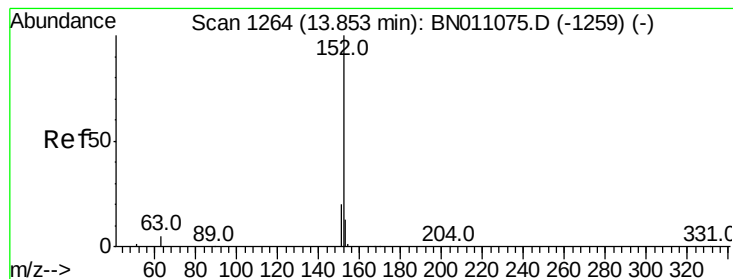
#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:172 Resp: 4334
Ion Ratio Lower Upper
172 100
171 37.3 27.9 41.9
170 25.4 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: 0.092 ng

RT: 13.85 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

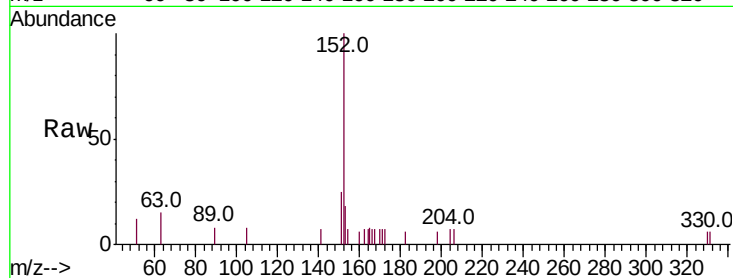
Tot Ion:152 Resp: 1463

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

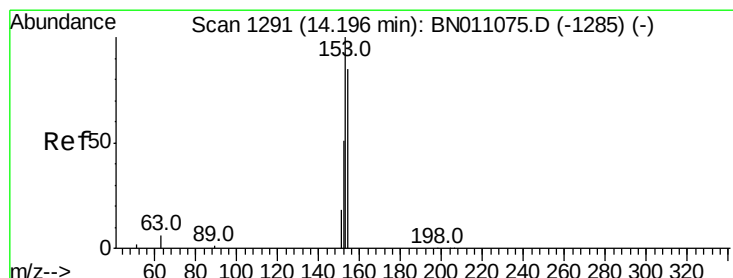
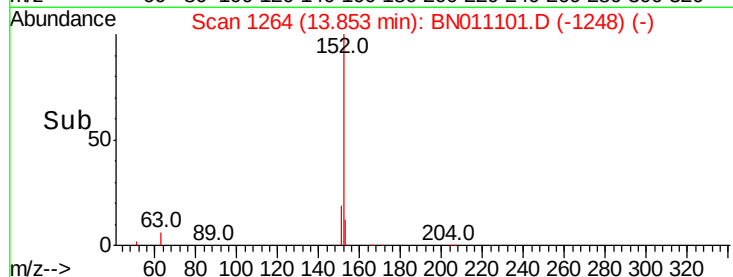
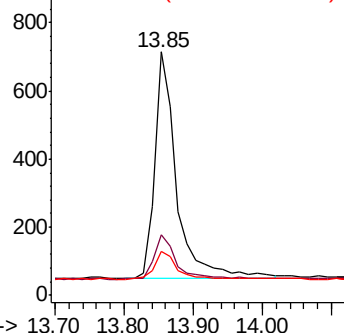
153 12.8 10.8 16.2



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: 0.083 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

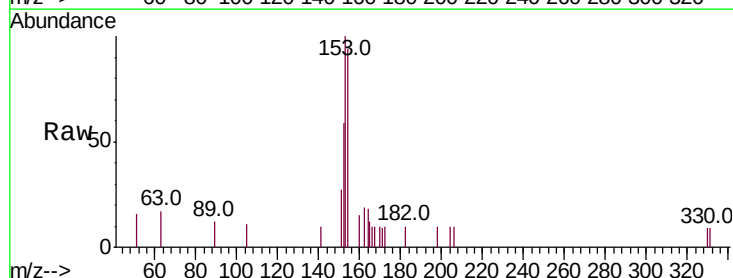
Tgt Ion:154 Resp: 890

Ion Ratio Lower Upper

154 100

153 114.2 91.7 137.5

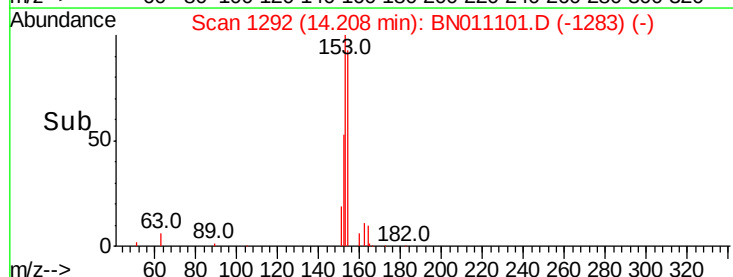
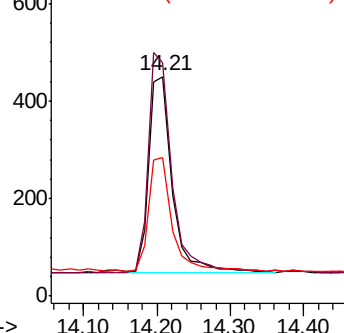
152 57.5 46.8 70.2

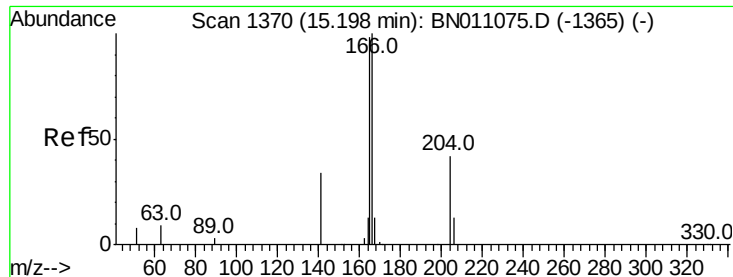


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.080 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

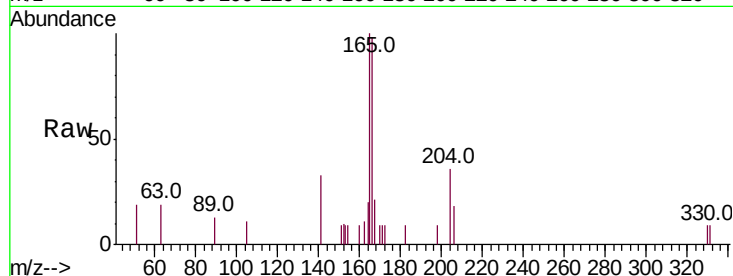
Tot Ion:166 Resp: 1076

Ion Ratio Lower Upper

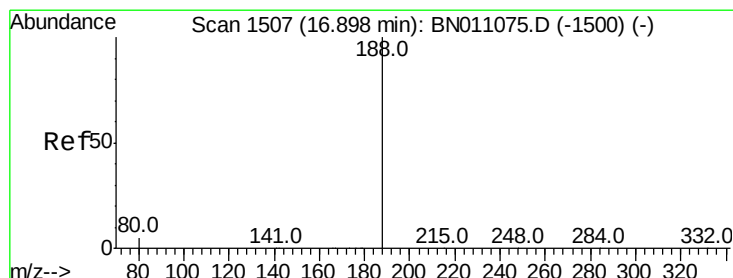
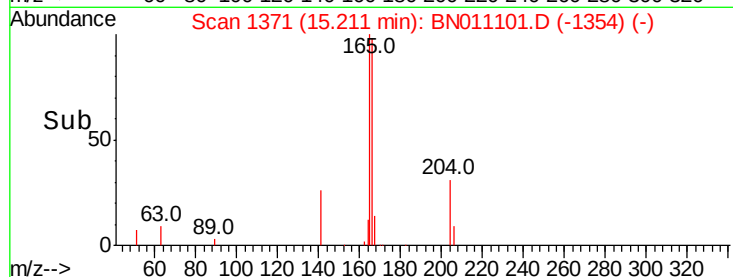
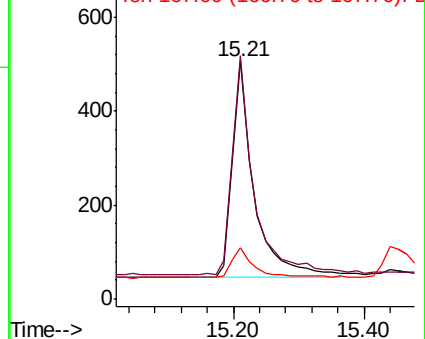
166 100

165 99.6 78.9 118.3

167 14.5 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

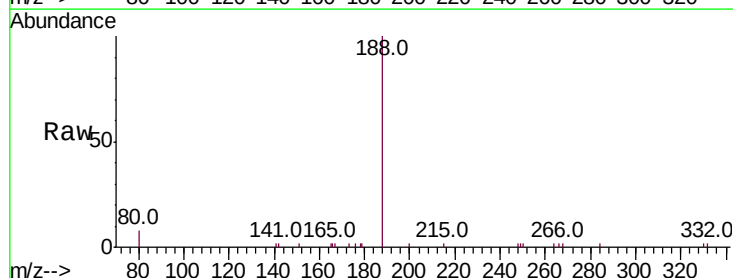
Tgt Ion:188 Resp: 6503

Ion Ratio Lower Upper

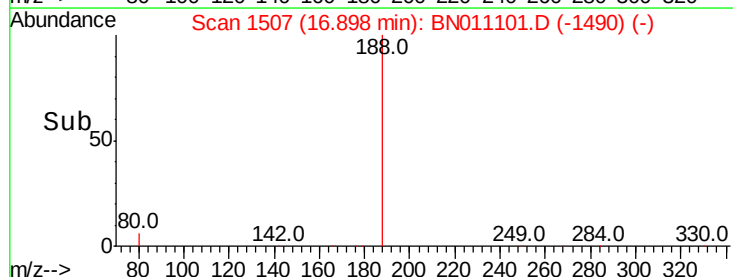
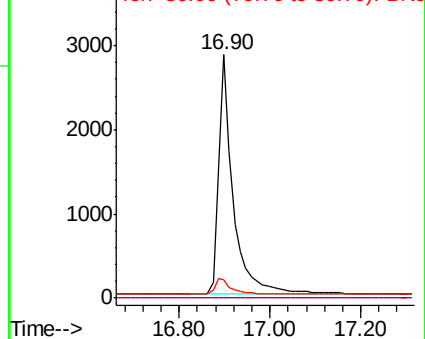
188 100

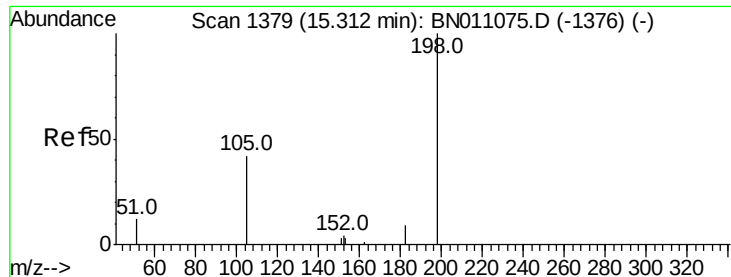
94 0.0 0.0 0.0

80 7.7 5.3 7.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

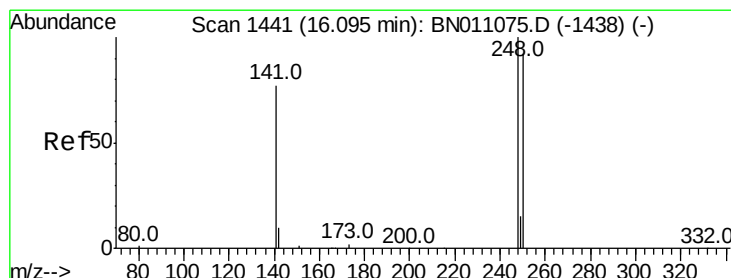
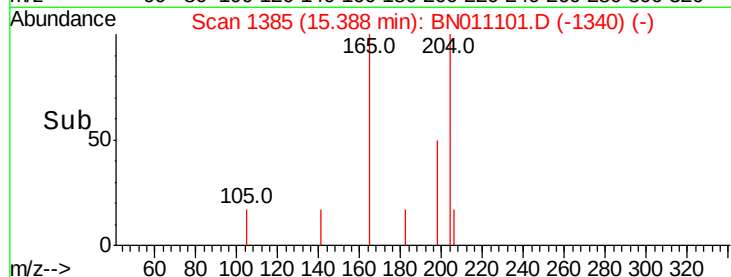
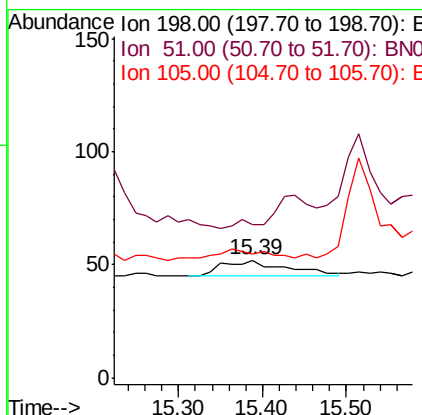
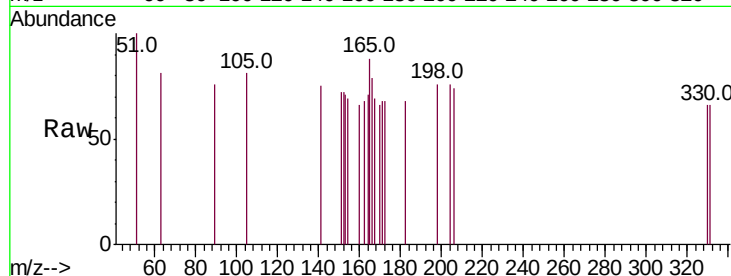




#20
4,6-Dinitro-2-methylphenol
Concen: 0.136 ng
RT: 15.39 min Scan# 1385
Delta R.T. 0.08 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

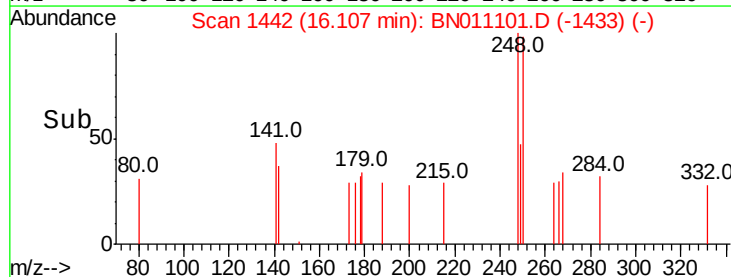
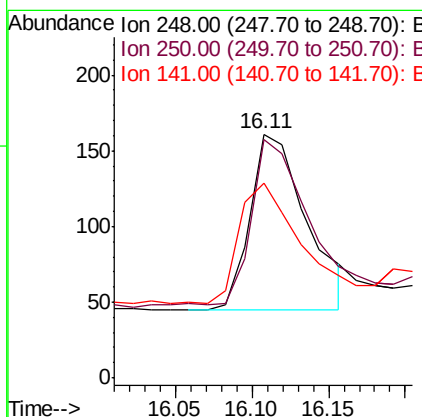
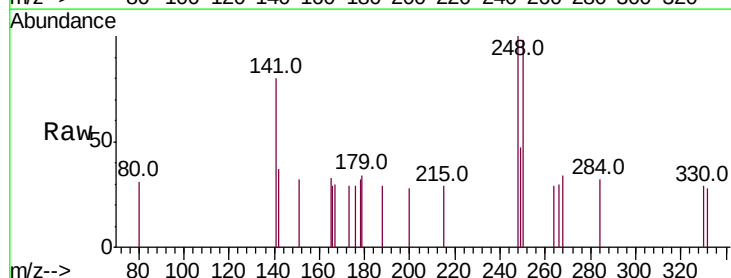
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

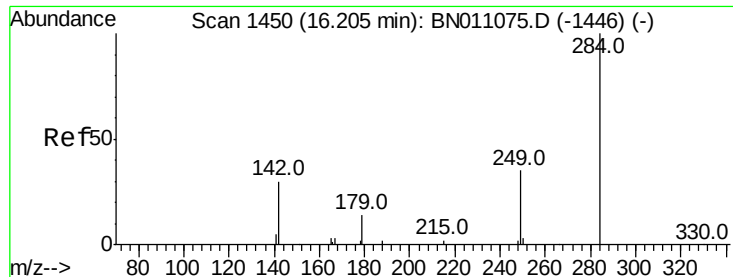
Tot Ion:198 Resp: 37
Ion Ratio Lower Upper
198 100
51 130.8 58.2 87.4#
105 105.8 59.0 88.4#



#21
4-Bromophenyl-phenylether
Concen: 0.068 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

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





#22

Hexachlorobenzene

Concen: 0.083 ng

RT: 16.20 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

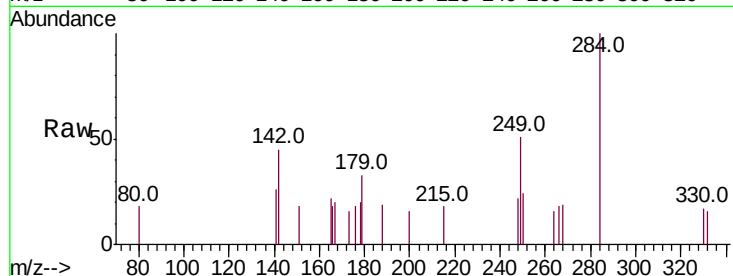
Tot Ion:284 Resp: 423

Ion Ratio Lower Upper

284 100

142 41.1 33.3 49.9

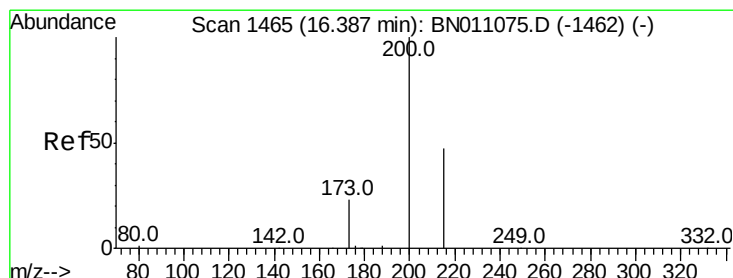
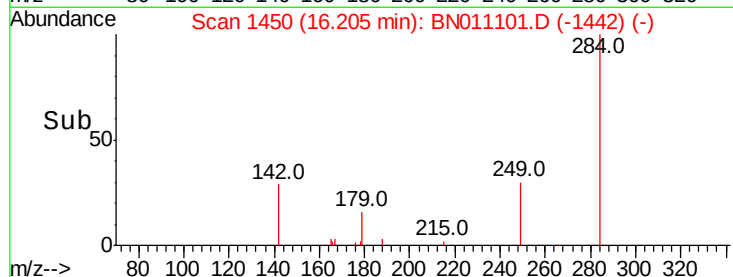
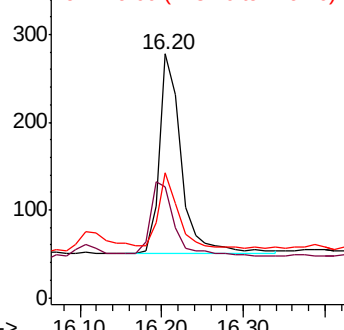
249 35.0 27.4 41.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#23

Atrazine

Concen: 0.088 ng

RT: 16.40 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

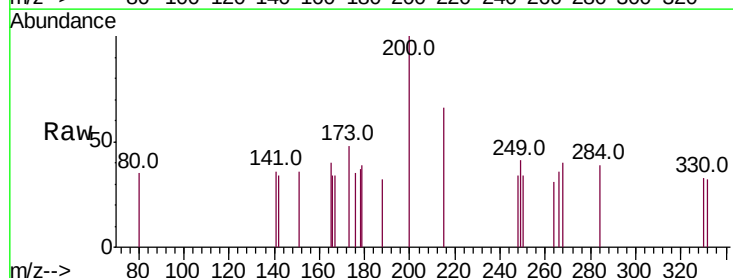
Tgt Ion:200 Resp: 268

Ion Ratio Lower Upper

200 100

173 47.9 22.8 34.2#

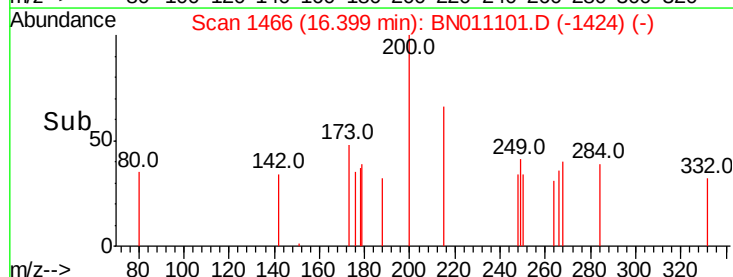
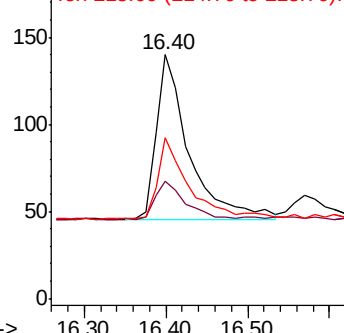
215 65.7 40.7 61.1#

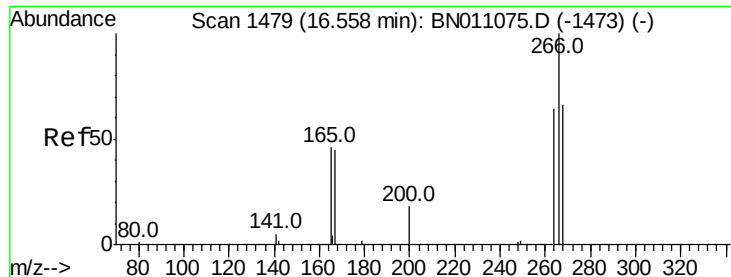


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#24

Pentachlorophenol

Concen: 0.168 ng

RT: 16.57 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

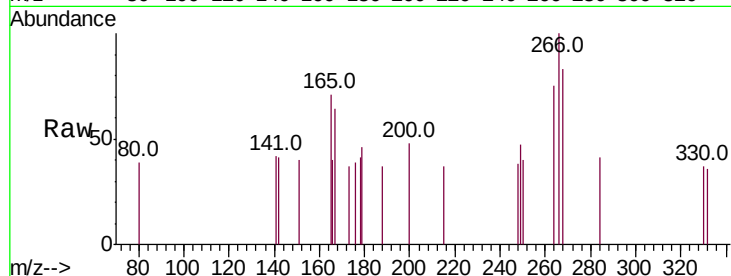
Tot Ion:266 Resp: 230

Ion Ratio Lower Upper

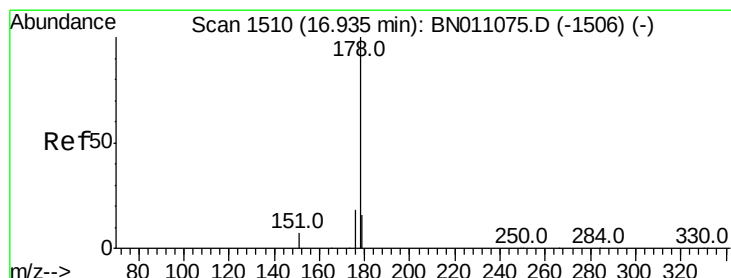
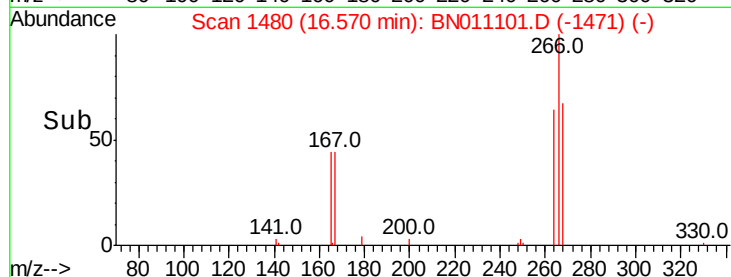
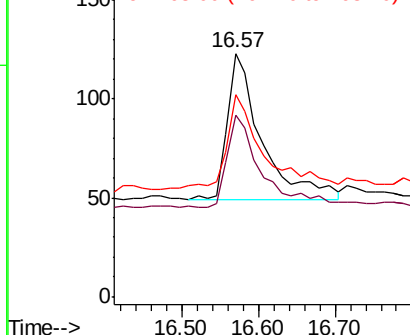
266 100

264 66.5 47.4 71.0

268 65.7 55.0 82.4



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



#25

Phenanthrene

Concen: 0.078 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

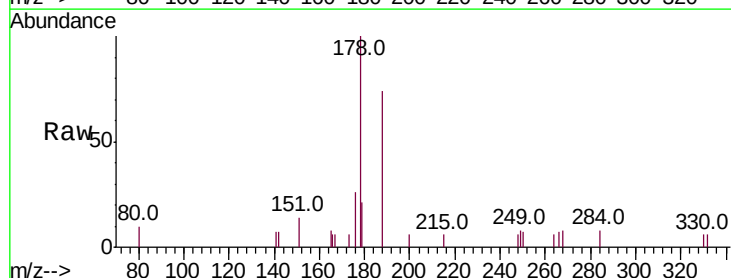
Tgt Ion:178 Resp: 1652

Ion Ratio Lower Upper

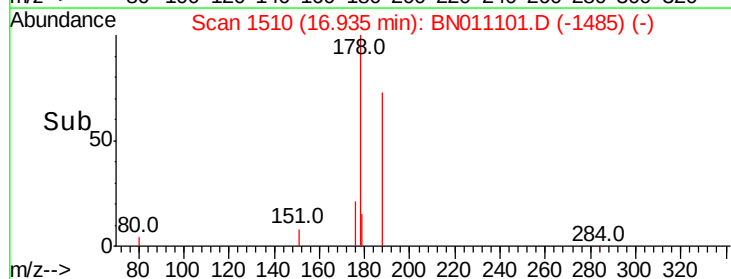
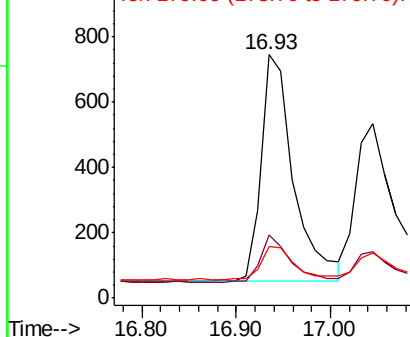
178 100

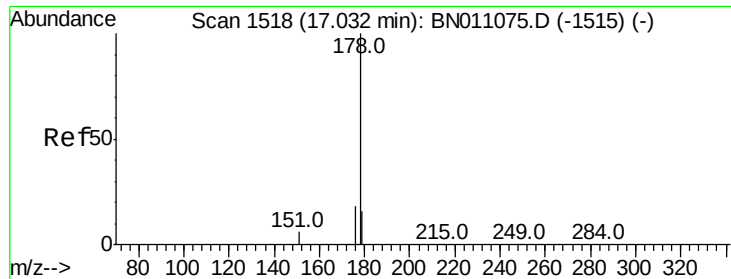
176 20.1 15.0 22.6

179 15.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#26

Anthracene

Concen: 0.076 ng

RT: 17.04 min Scan# 1519

Delta R.T. 0.02 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

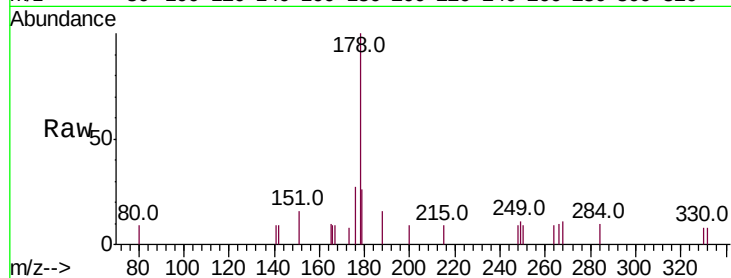
Tot Ion:178 Resp: 1321

Ion Ratio Lower Upper

178 100

176 17.0 14.2 21.4

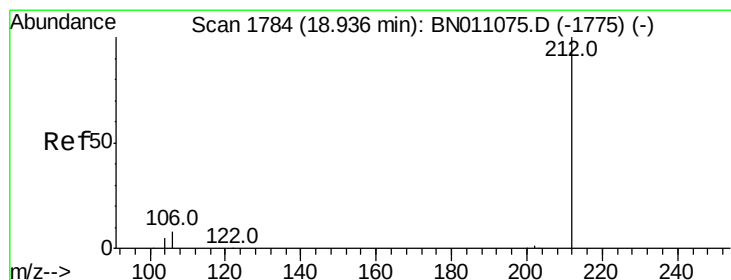
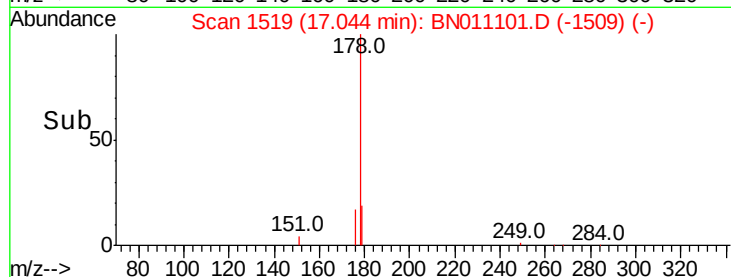
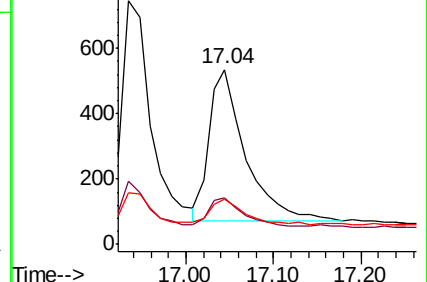
179 16.0 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#27

Fluoranthene-d10

Concen: 0.328 ng

RT: 18.94 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

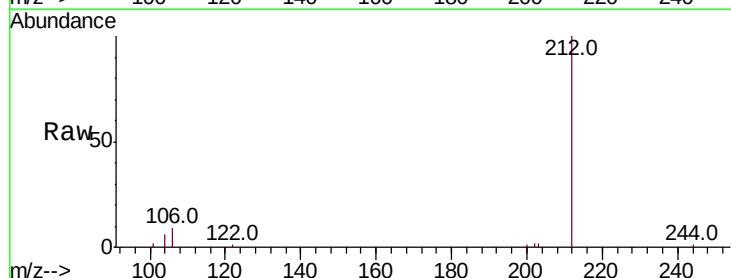
Tgt Ion:212 Resp: 6444

Ion Ratio Lower Upper

212 100

106 8.1 7.1 10.7

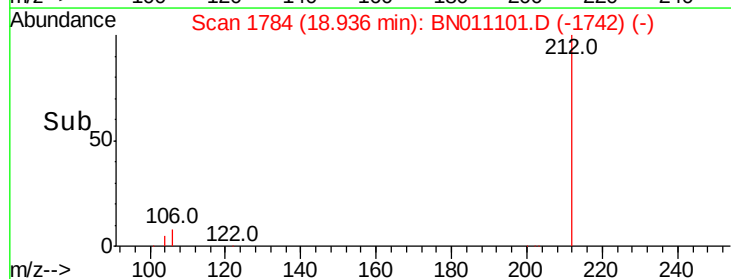
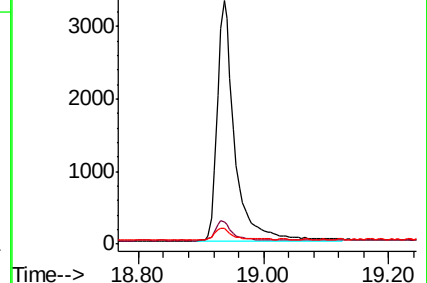
104 4.7 4.2 6.4

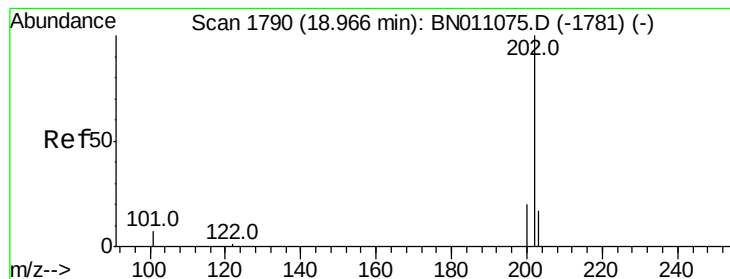


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#28

Fluoranthene

Concen: 0.079 ng

RT: 18.97 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-05

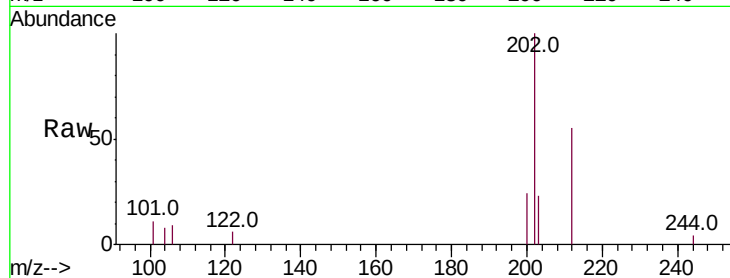
Tot Ion:202 Resp: 1881

Ion Ratio Lower Upper

202 100

101 7.3 6.3 9.5

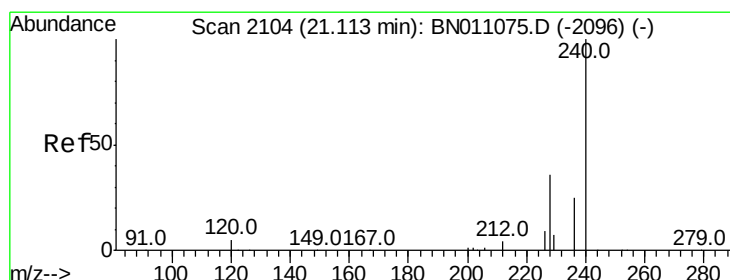
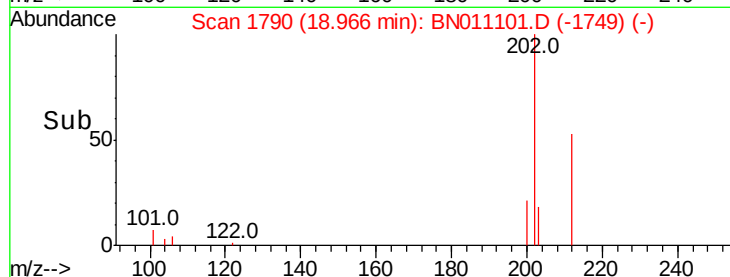
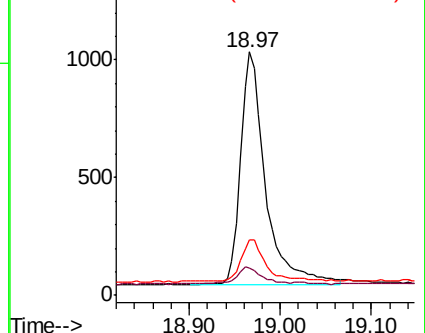
203 18.0 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

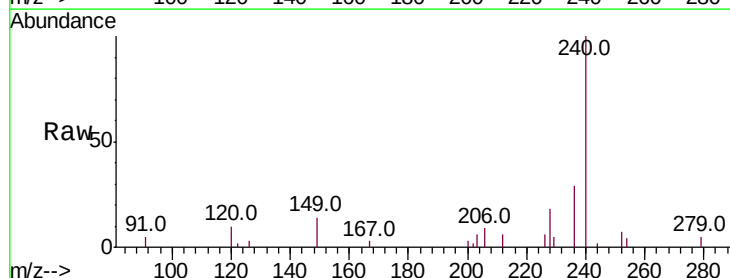
Tgt Ion:240 Resp: 5413

Ion Ratio Lower Upper

240 100

120 9.9 6.5 9.7#

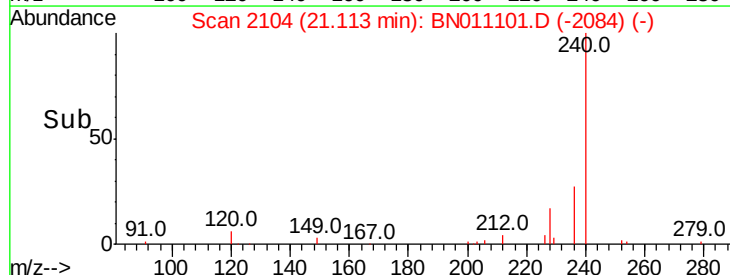
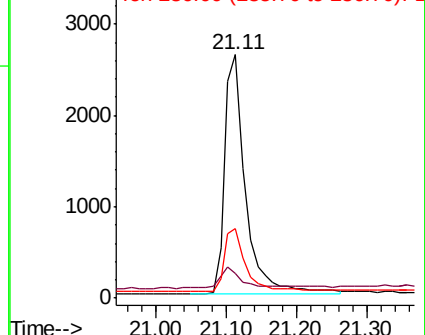
236 28.8 21.9 32.9

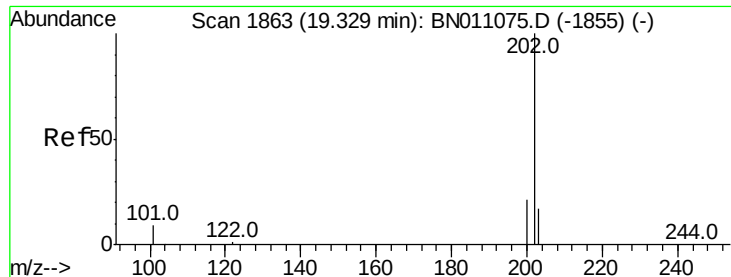


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#30

Pvrene

Concen: 0.094 ng

RT: 19.33 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

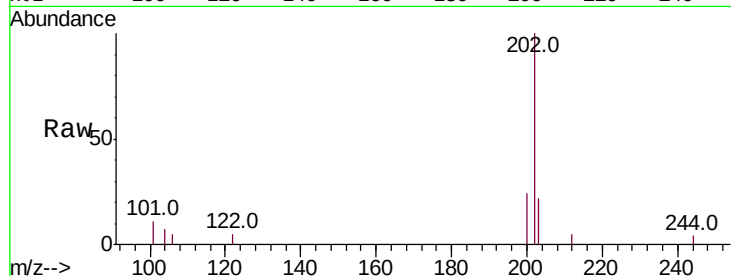
Tot Ion:202 Resp: 1895

Ion Ratio Lower Upper

202 100

200 20.0 16.6 25.0

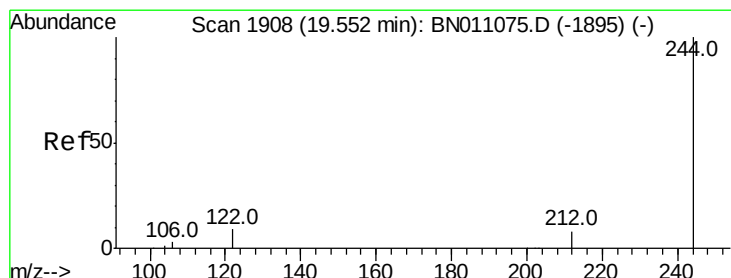
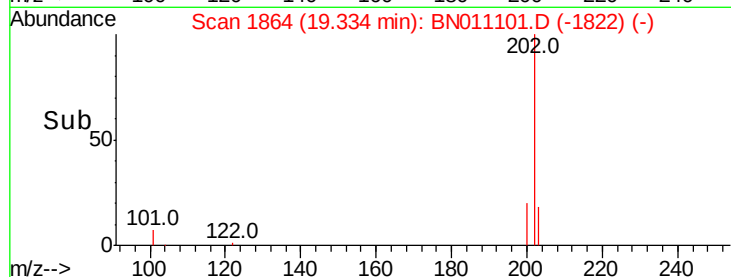
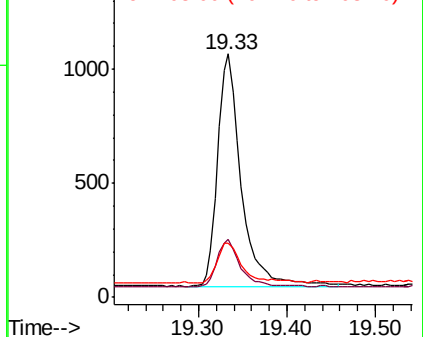
203 17.7 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#31

Terphenyl-d14

Concen: 0.350 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011101.D

Acq: 06 Jul 2020 11:12

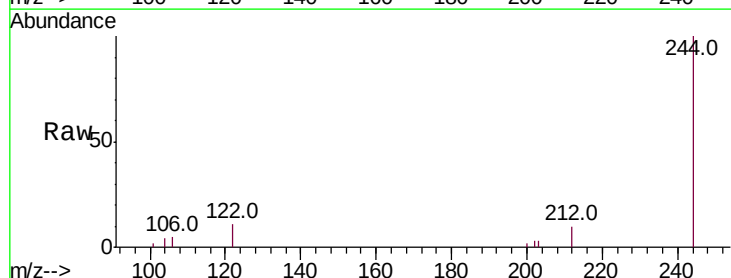
Tgt Ion:244 Resp: 4929

Ion Ratio Lower Upper

244 100

212 10.3 7.5 11.3

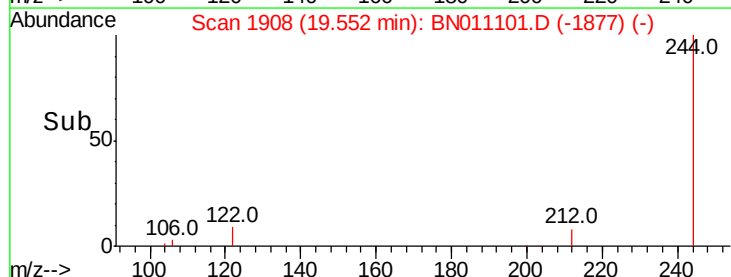
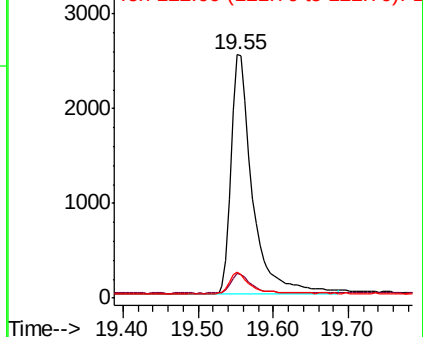
122 10.6 8.2 12.4

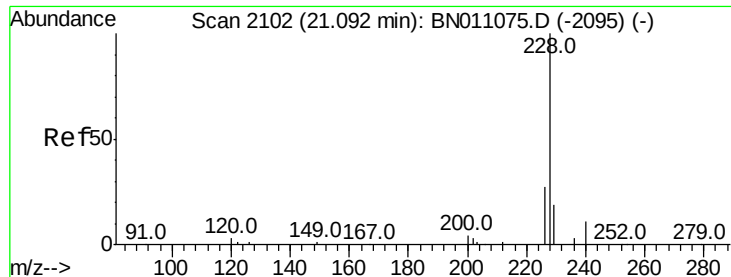


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Benzo(a)anthracene

Concen: 0.086 ng

RT: 21.09 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

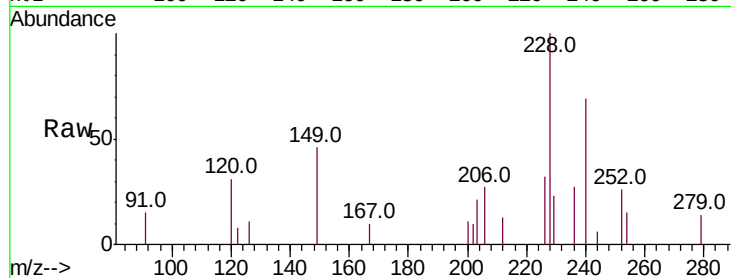
Tot Ion:228 Resp: 1548

Ion Ratio Lower Upper

228 100

226 32.1 22.0 33.0

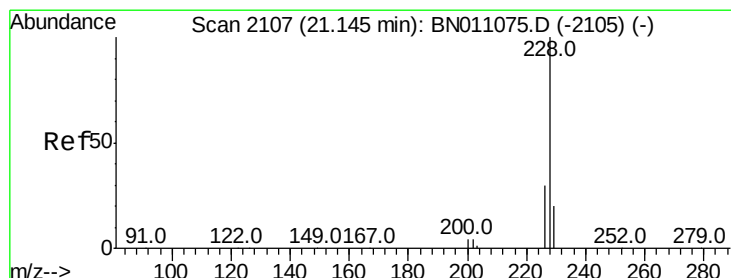
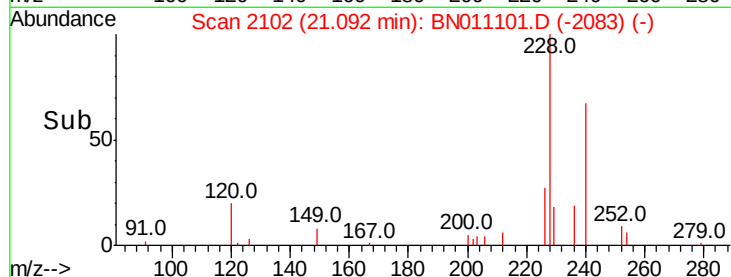
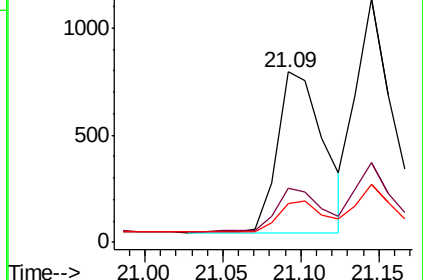
229 23.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Chrysene

Concen: 0.089 ng

RT: 21.14 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

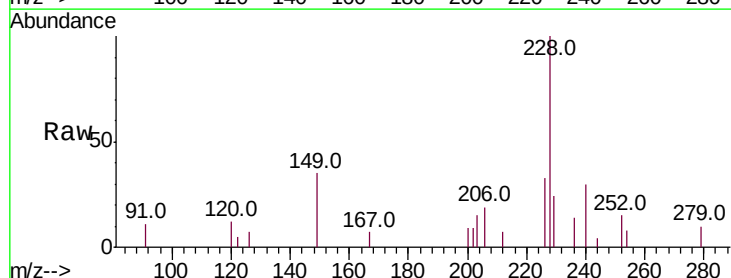
Tgt Ion:228 Resp: 1848

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

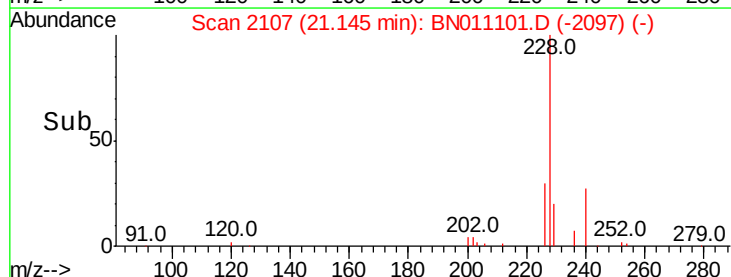
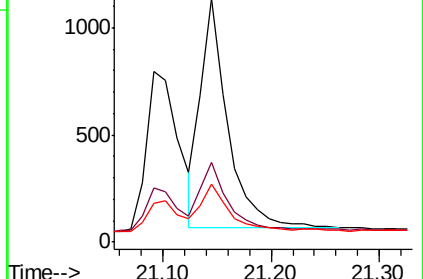
229 23.9 16.4 24.6

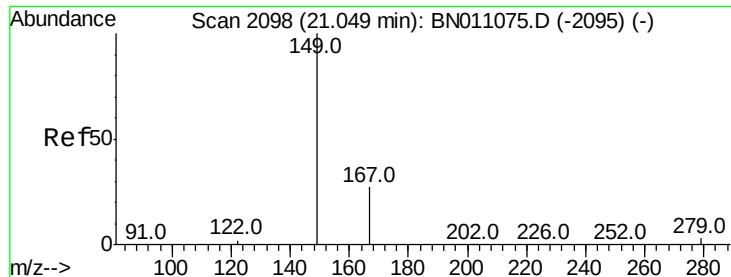


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

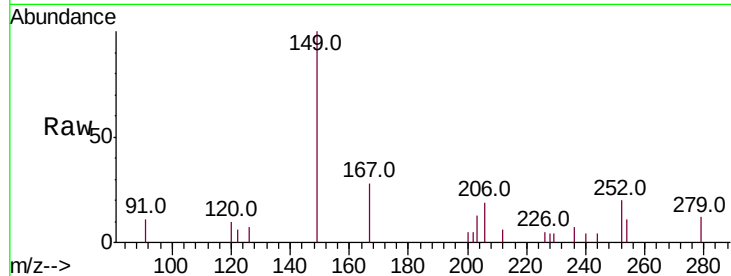




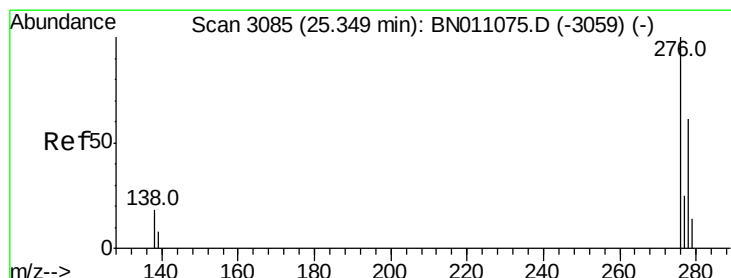
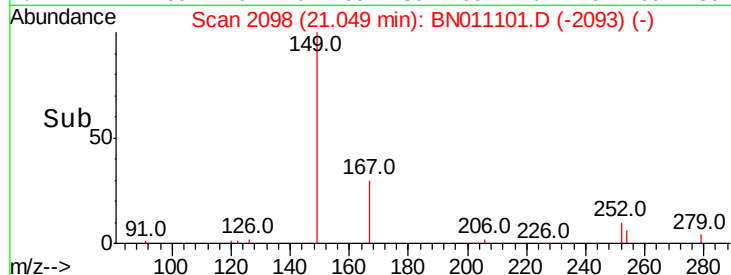
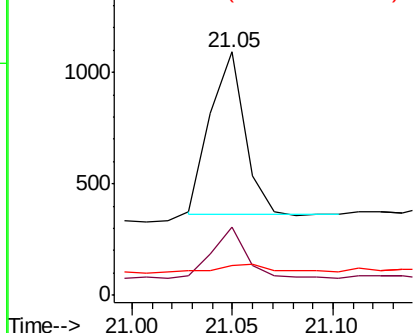
#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.119 ng
 RT: 21.05 min Scan# 2098
 Delta R.T. 0.00 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Instrument :
 BNA_N
 ClientSampled :
 MDL-SOIL-05

Tot Ion:149 Resp: 868
 Ion Ratio Lower Upper
 149 100
 167 29.6 22.2 33.4
 279 3.8 4.5 6.7#

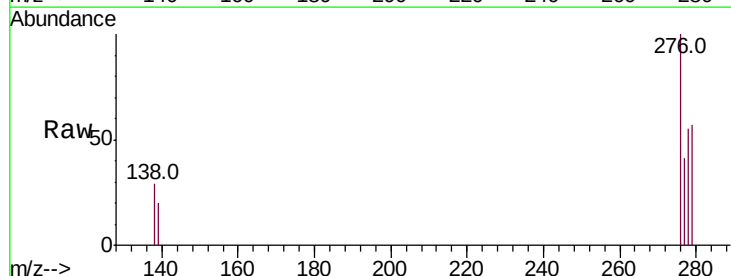


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

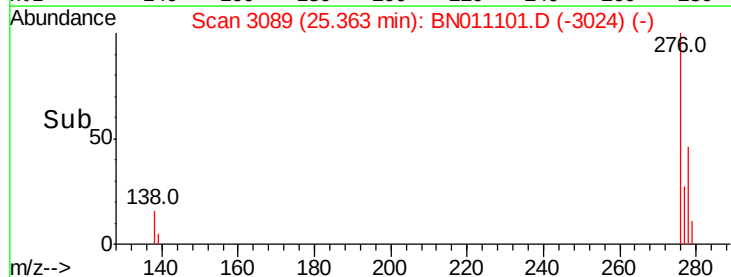
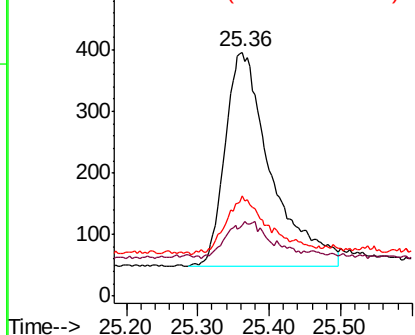


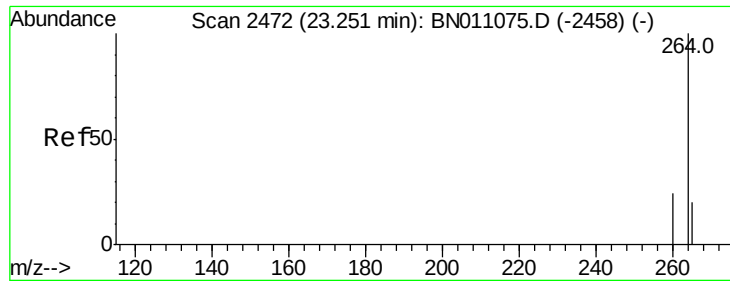
#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.072 ng
 RT: 25.36 min Scan# 3089
 Delta R.T. 0.02 min
 Lab File: BN011101.D
 Acq: 06 Jul 2020 11:12

Tgt Ion:276 Resp: 1557
 Ion Ratio Lower Upper
 276 100
 138 5.1 15.4 23.0#
 277 21.8 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

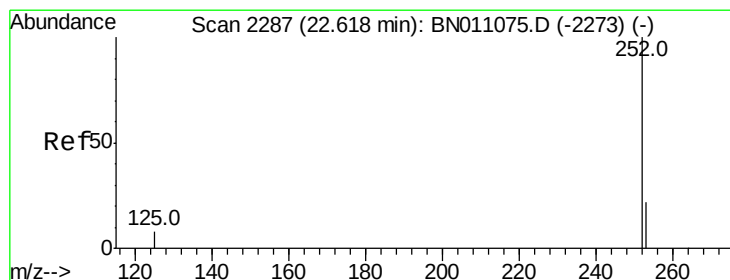
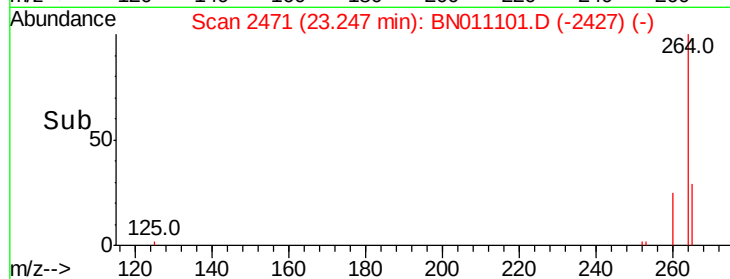
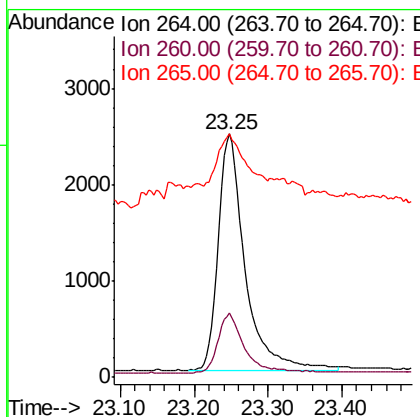
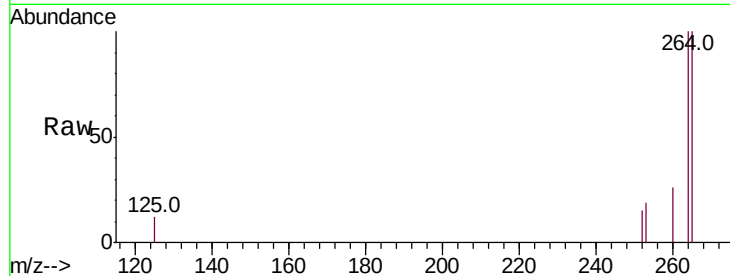




#36
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.25 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BN01101.D
 Acq: 06 Jul 2020 11:12

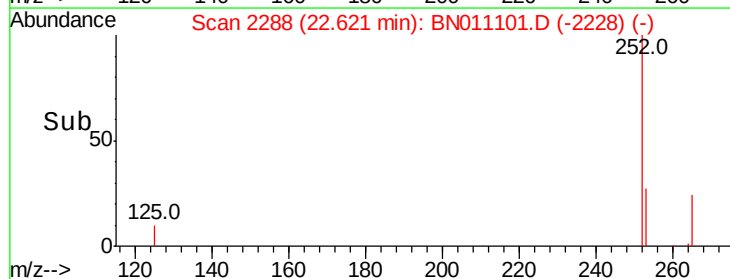
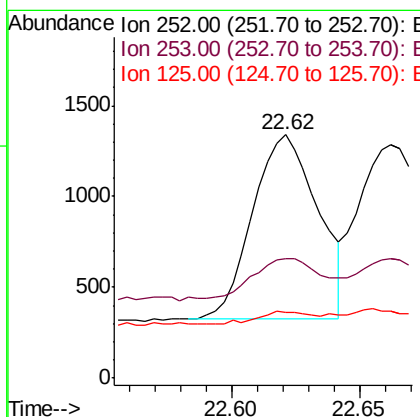
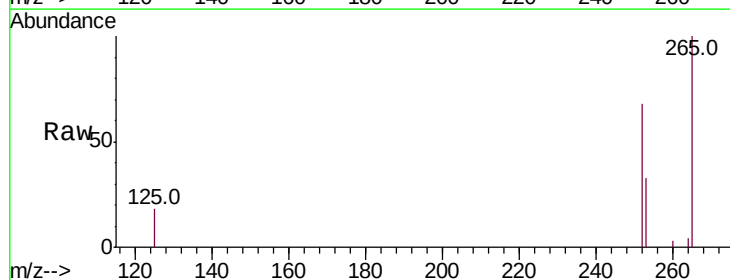
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

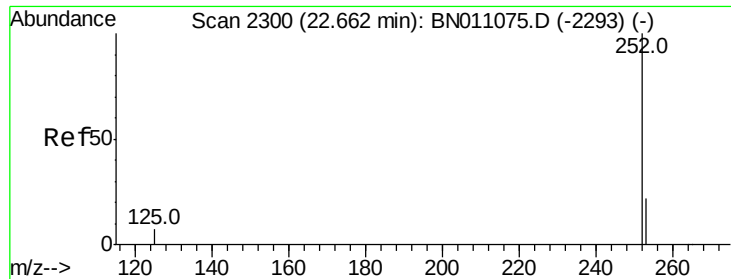
Tot Ion:264 Resp: 6177
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.4 30.6
 265 99.8 83.0 124.6



#37
 Benzo(b)fluoranthene
 Concen: 0.072 ng
 RT: 22.62 min Scan# 2288
 Delta R.T. 0.01 min
 Lab File: BN01101.D
 Acq: 06 Jul 2020 11:12

Tgt Ion:252 Resp: 1790
 Ion Ratio Lower Upper
 252 100
 253 48.8 22.7 34.1#
 125 26.9 10.4 15.6#

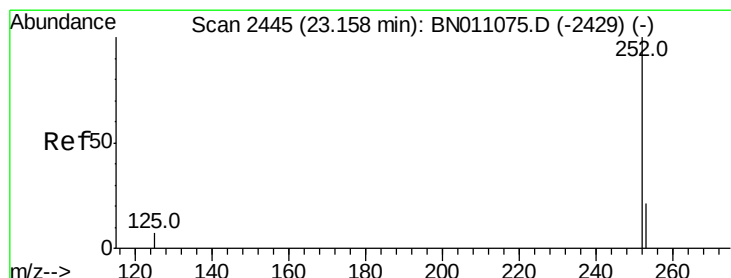
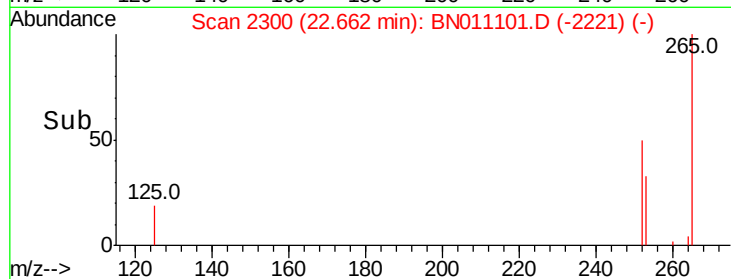
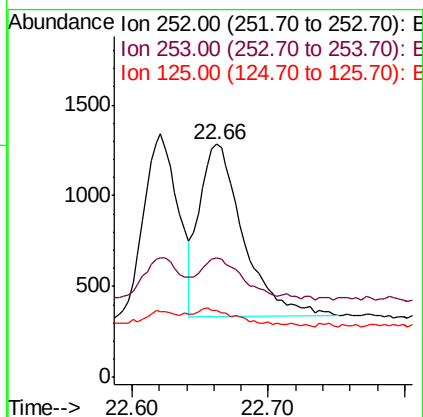
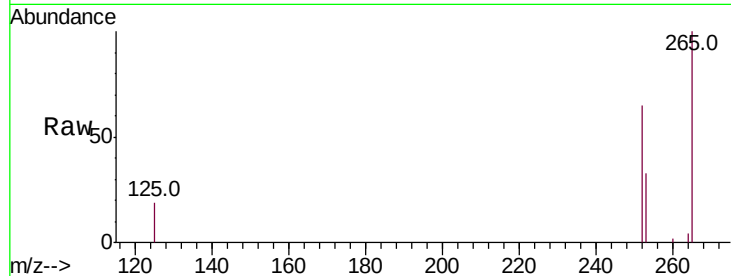




#38
Benzo(k)fluoranthene
Concen: 0.080 ng
RT: 22.66 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

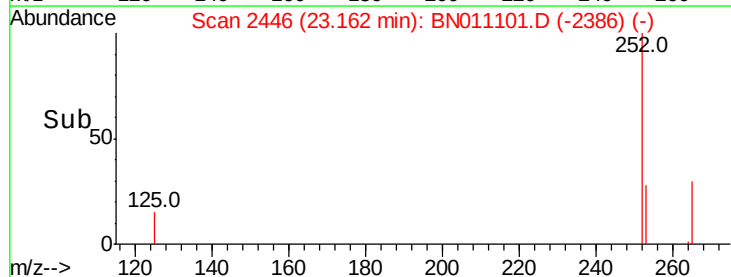
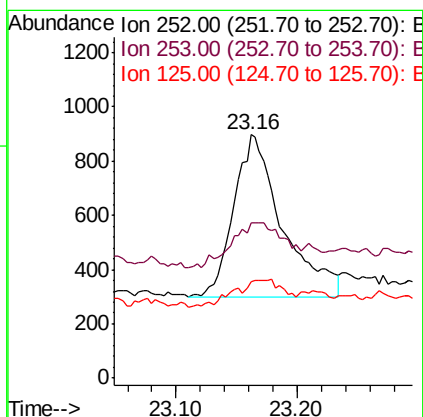
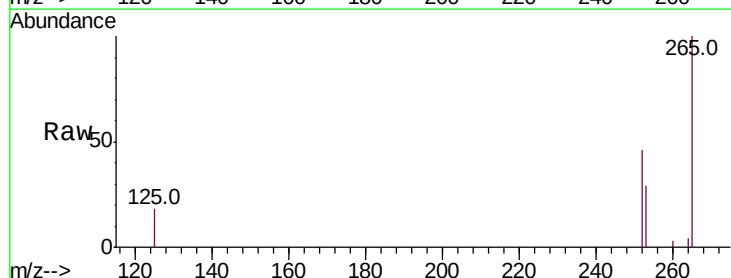
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

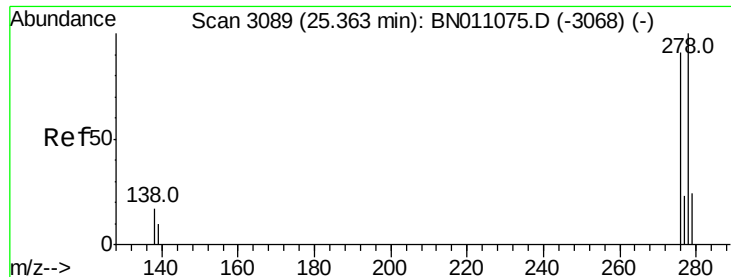
Tot Ion:252 Resp: 2115
Ion Ratio Lower Upper
252 100
253 51.6 22.9 34.3#
125 28.8 10.6 15.8#



#39
Benzo(a)pyrene
Concen: 0.078 ng
RT: 23.16 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BN011101.D
Acq: 06 Jul 2020 11:12

Tgt Ion:252 Resp: 1672
Ion Ratio Lower Upper
252 100
253 63.8 25.9 38.9#
125 39.4 12.5 18.7#





#40

Dibenzo(a,h)anthracene

Concen: 0.050 ng

RT: 25.39 min Scan# 3096

Delta R.T. 0.03 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

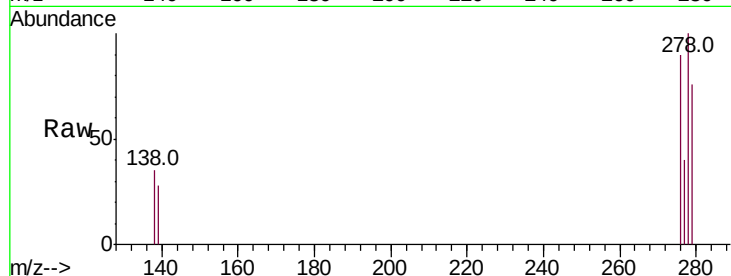
Tot Ion:278 Resp: 1101

Ion Ratio Lower Upper

278 100

139 28.3 11.9 17.9#

279 75.6 25.5 38.3#



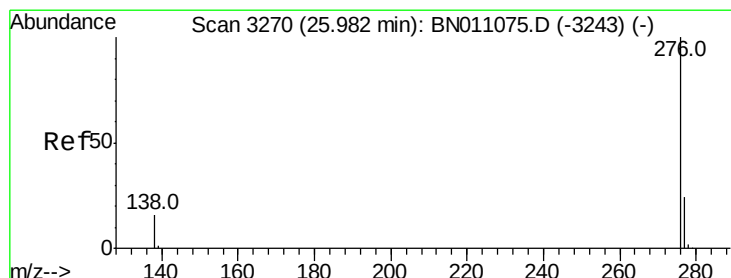
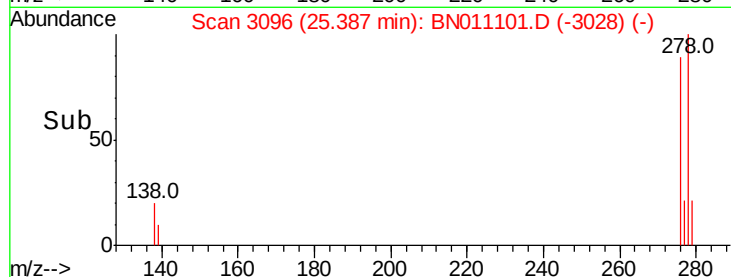
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.39

Time-->



#41

Benzo(g,h,i)perylene

Concen: 0.068 ng

RT: 25.99 min Scan# 3271

Delta R.T. 0.02 min

Lab File: BN01101.D

Acq: 06 Jul 2020 11:12

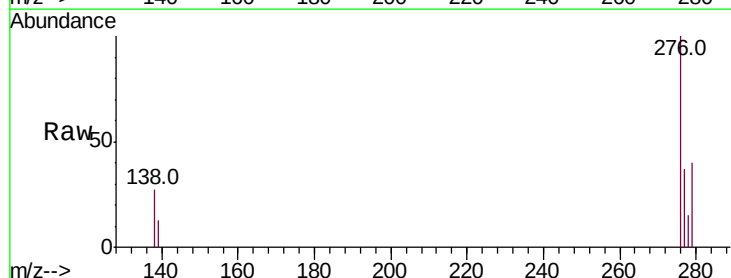
Tgt Ion:276 Resp: 1646

Ion Ratio Lower Upper

276 100

277 36.6 21.1 31.7#

138 26.7 15.0 22.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

25.99

Time-->

