

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070620\
 Data File : BN011099.D
 Acq On : 06 Jul 2020 10:01
 Operator : CG/JU
 Sample : L1955-04
 Misc : MDL-SOIL-04
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-04

Quant Time: Jul 06 12:32:59 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	2458	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	7255	0.40	ng	0.00
13) Acenaphthene-d10	14.13	164	3751	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	7534	0.40	ng	0.01
29) Chrysene-d12	21.11	240	6358	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	2305	0.38	ng	0.00
5) Phenol-d6	6.72	99	2441	0.35	ng	0.00
8) Nitrobenzene-d5	8.66	82	2068	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.86	152	4303	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	528	0.34	ng	0.01
15) 2-Fluorobiphenyl	12.76	172	5649	0.32	ng	0.01
27) Fluoranthene-d10	18.94	212	8190	0.36	ng	0.00
31) Terphenyl-d14	19.55	244	6443	0.39	ng	0.00

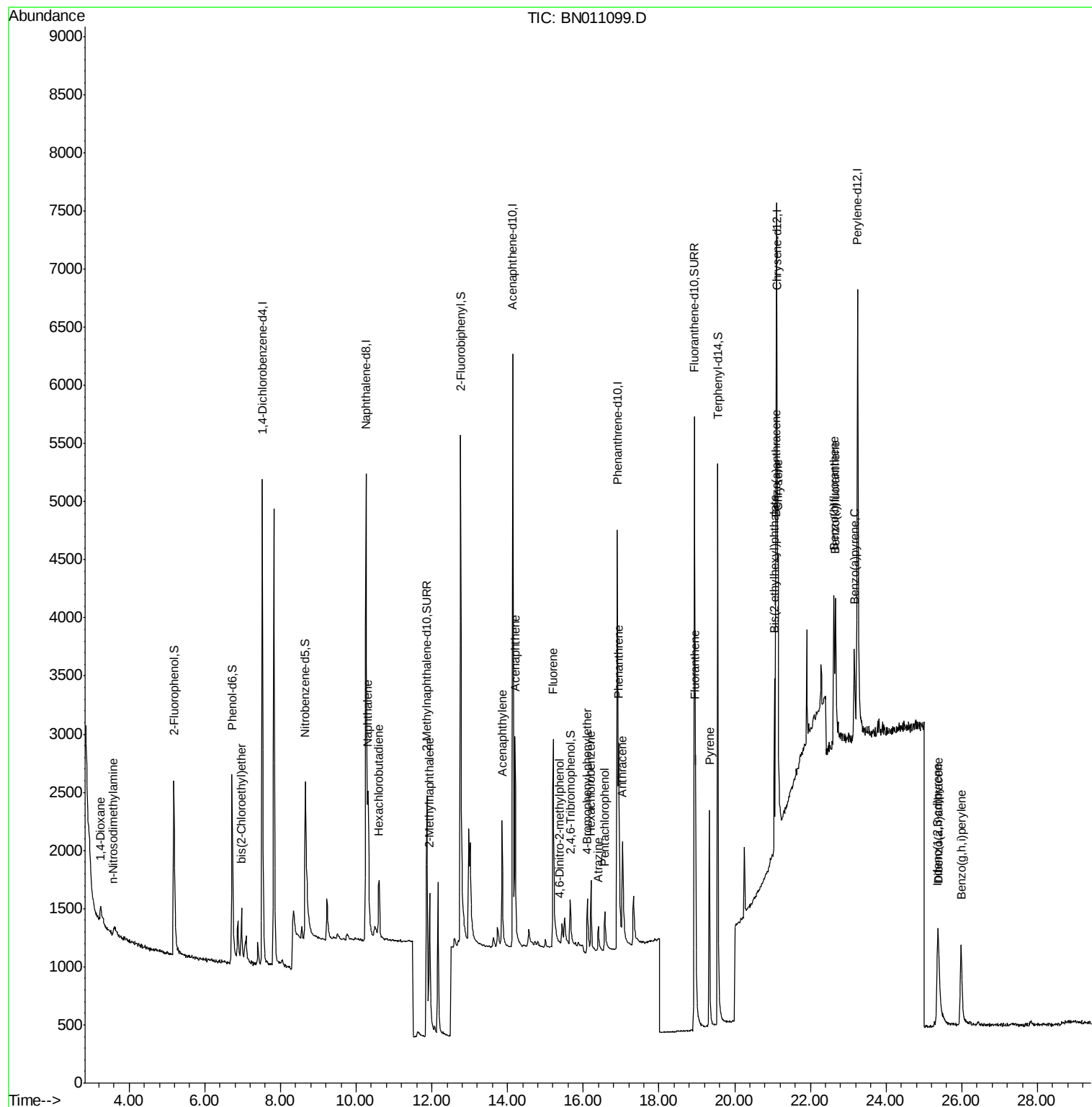
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	158	0.046	ng	# 81
3) n-Nitrosodimethylamine	3.59	42	42	0.024	ng	# 1
6) bis(2-Chloroethyl)ether	6.97	93	597	0.093	ng	89
9) Naphthalene	10.32	128	1829	0.084	ng	# 90
10) Hexachlorobutadiene	10.61	225	447	0.081	ng	# 99
12) 2-Methylnaphthalene	11.94	142	1171	0.081	ng	95
16) Acenaphthylene	13.85	152	1497	0.080	ng	98
17) Acenaphthene	14.20	154	1052	0.083	ng	98
18) Fluorene	15.21	166	1238	0.078	ng	99
20) 4,6-Dinitro-2-methylphenol	15.38	198	53	0.066	ng	# 54
21) 4-Bromophenyl-phenylether	16.11	248	346	0.069	ng	94
22) Hexachlorobenzene	16.20	284	481	0.082	ng	95
23) Atrazine	16.40	200	269	0.076	ng	# 75
24) Pentachlorophenol	16.57	266	290	0.183	ng	99
25) Phenanthrene	16.93	178	1874	0.077	ng	98
26) Anthracene	17.03	178	1527	0.076	ng	97
28) Fluoranthene	18.97	202	2163	0.079	ng	98
30) Pyrene	19.33	202	2163	0.091	ng	99
32) Benzo(a)anthracene	21.09	228	1765	0.083	ng	91
33) Chrysene	21.14	228	2092	0.086	ng	94
34) Bis(2-ethylhexyl)phthalate	21.05	149	1065	0.124	ng	99
35) Indeno(1,2,3-cd)pyrene	25.36	276	1680	0.066	ng	# 95
37) Benzo(b)fluoranthene	22.62	252	1752	0.071	ng	# 62
38) Benzo(k)fluoranthene	22.66	252	1884	0.071	ng	# 63
39) Benzo(a)pyrene	23.16	252	1432	0.067	ng	# 47
40) Dibenzo(a,h)anthracene	25.38	278	1240	0.057	ng	# 44
41) Benzo(g,h,i)perylene	25.98	276	1779	0.074	ng	# 83

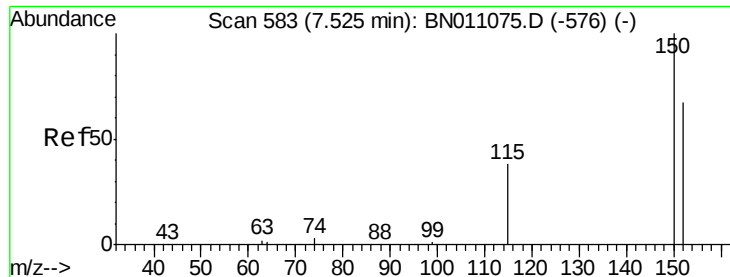
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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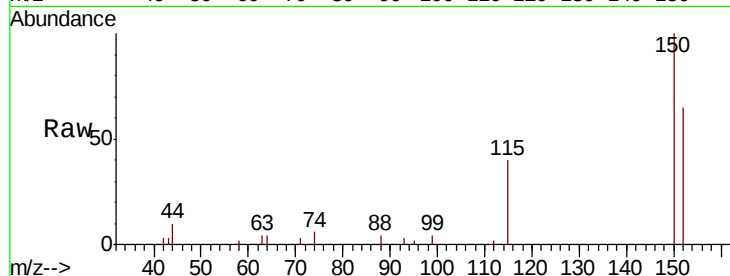


#1

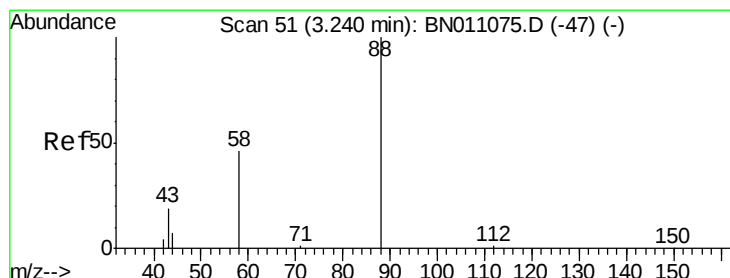
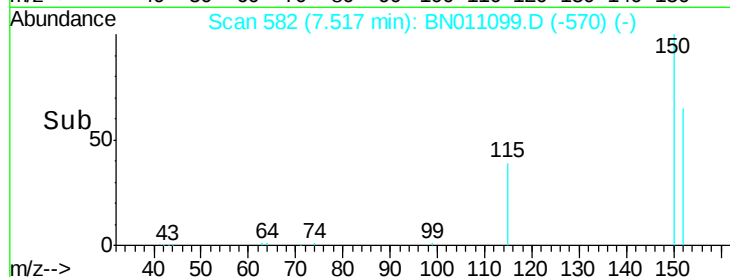
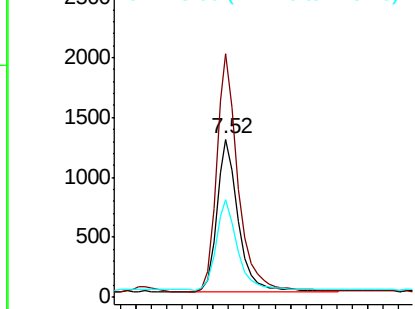
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.00 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

Tot Ion:152 Resp: 2458
Ion Ratio Lower Upper
152 100
150 153.7 117.4 176.0
115 61.9 47.9 71.9



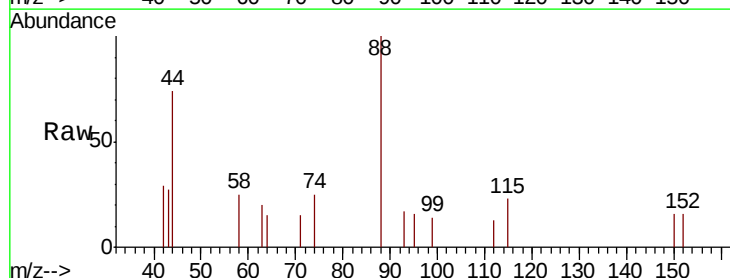
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



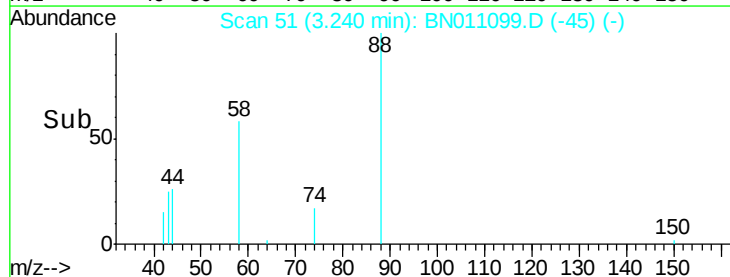
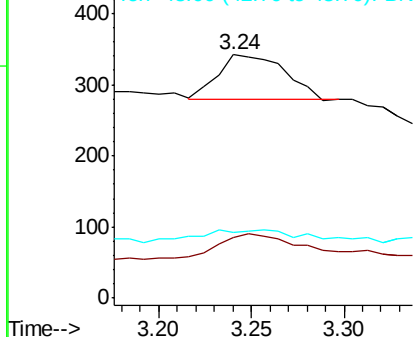
#2

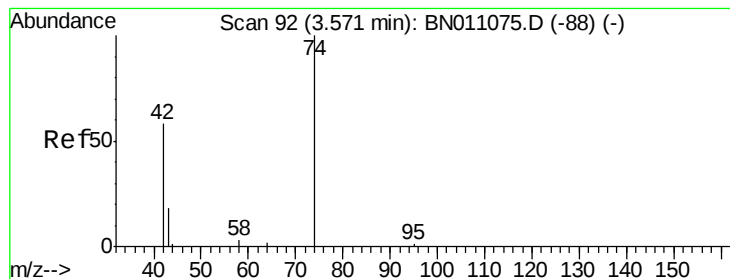
1,4-Dioxane
Concen: 0.046 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
58 62.0 38.6 57.8#
43 25.9 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



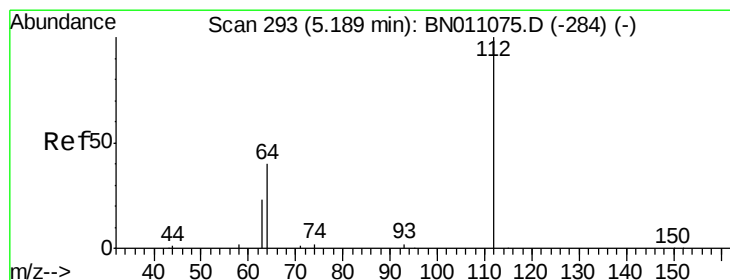
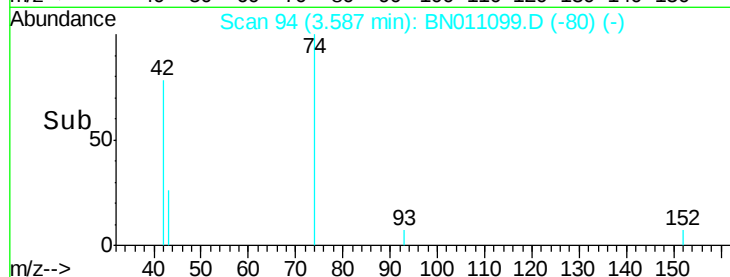
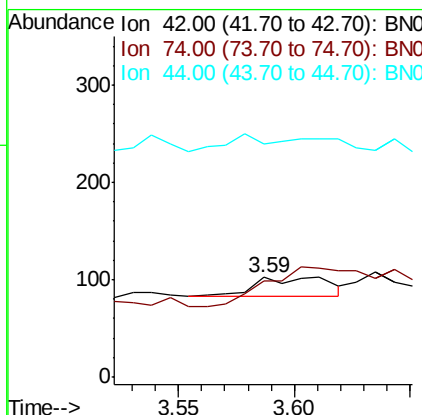
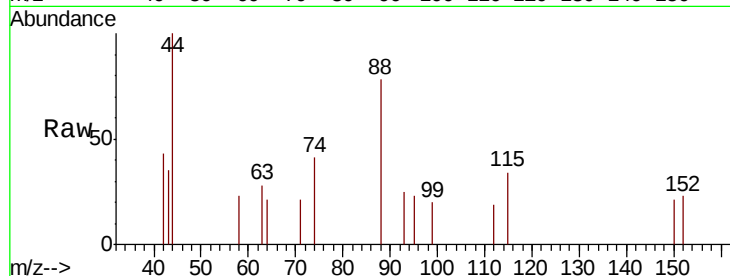


#3

n-Nitrosodimethylamine
 Concen: 0.024 ng
 RT: 3.59 min Scan# 94
 Delta R.T. 0.02 min
 Lab File: BN011099.D
 Acq: 06 Jul 2020 10:01

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-04

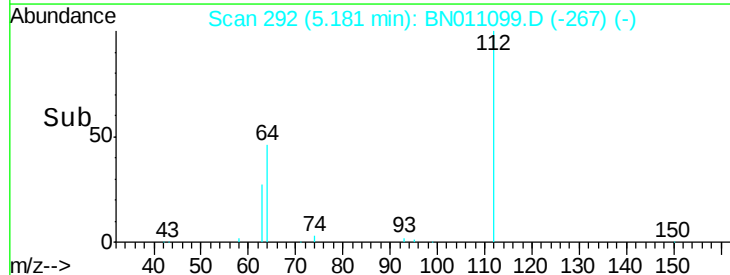
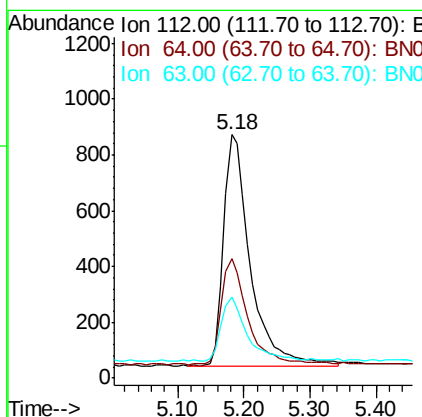
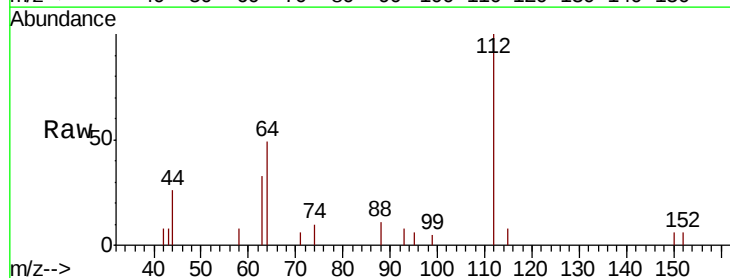
Tot Ion	42	Resp	42
Ion	Ratio	Lower	Upper
42	100		
74	0.0	142.5	213.7#
44	57.1	0.0	0.0#

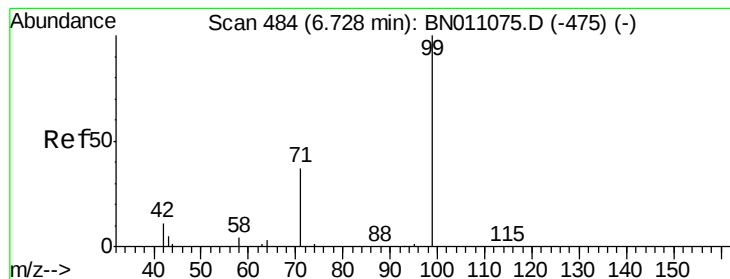


#4

2-Fluorophenol
 Concen: 0.377 ng
 RT: 5.18 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: BN011099.D
 Acq: 06 Jul 2020 10:01

Tgt Ion	112	Resp	2305
Ion	Ratio	Lower	Upper
112	100		
64	46.6	36.5	54.7
63	27.4	20.6	30.8





#5

Phenol-d6

Concen: 0.347 ng

RT: 6.72 min Scan# 483

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-04

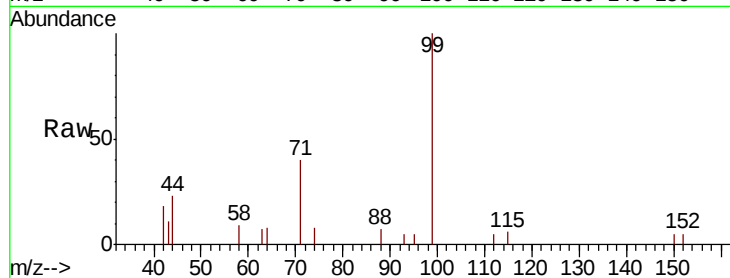
Tot Ion: 99 Resp: 2441

Ion Ratio Lower Upper

99 100

42 12.9 9.8 14.8

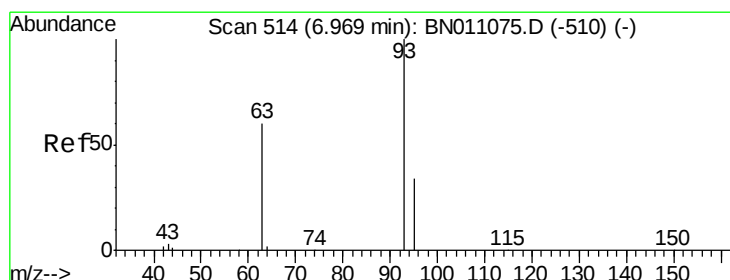
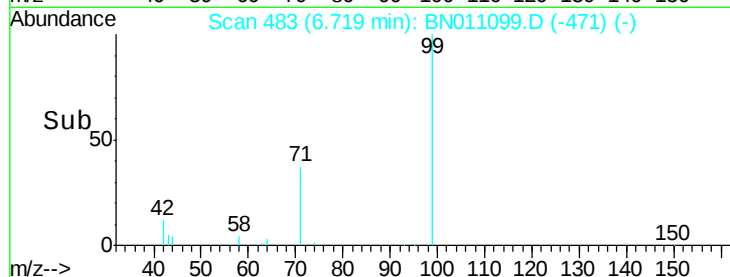
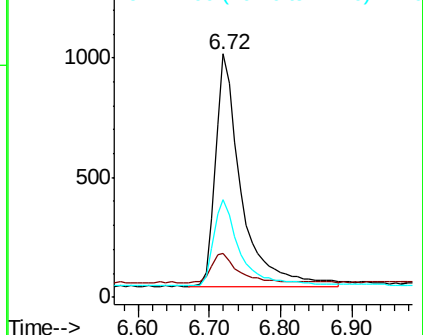
71 38.9 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011099.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011099.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011099.D (-471) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.093 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

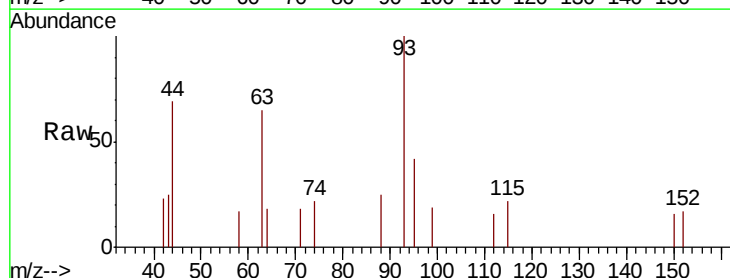
Tgt Ion: 93 Resp: 597

Ion Ratio Lower Upper

93 100

63 49.6 47.4 71.2

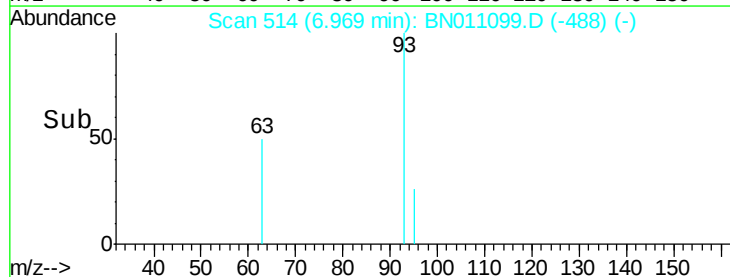
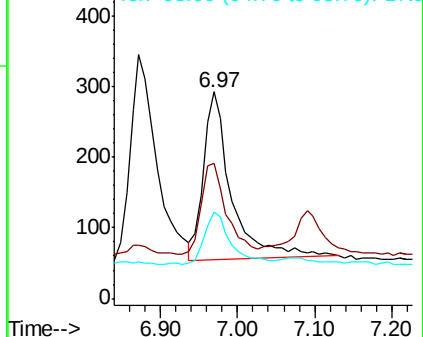
95 29.5 26.4 39.6

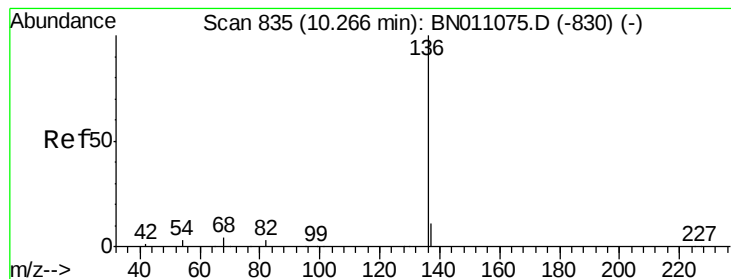


Abundance Ion 93.00 (92.70 to 93.70): BN011099.D (-488) (-)

Ion 63.00 (62.70 to 63.70): BN011099.D (-488) (-)

Ion 95.00 (94.70 to 95.70): BN011099.D (-488) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

Tot Ion:136 Resp: 7255

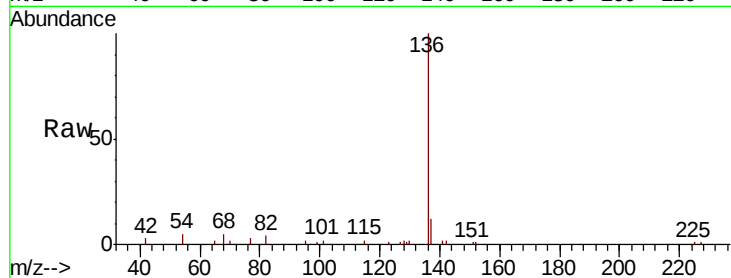
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.0 3.8 5.6

68 4.9 4.3 6.5

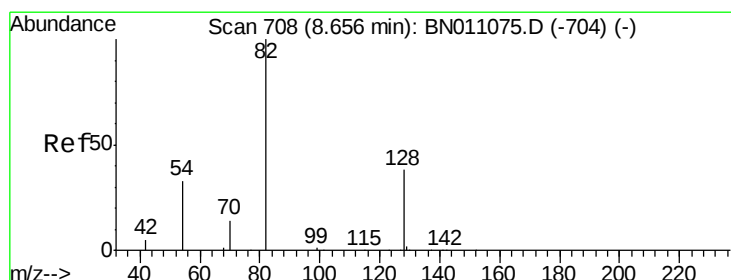
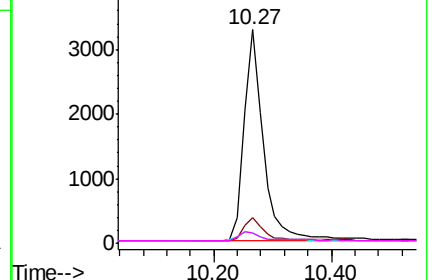
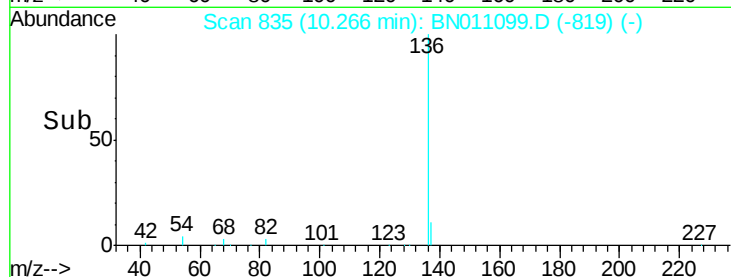


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.335 ng

RT: 8.66 min Scan# 708

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

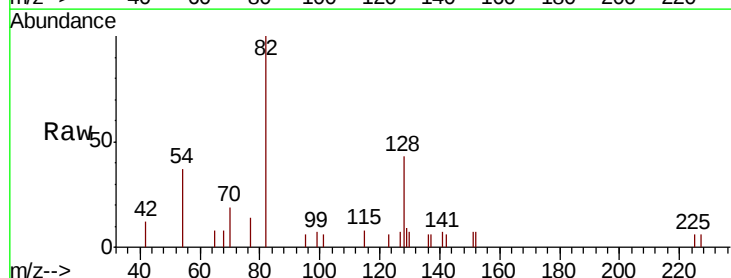
Tgt Ion: 82 Resp: 2068

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.2

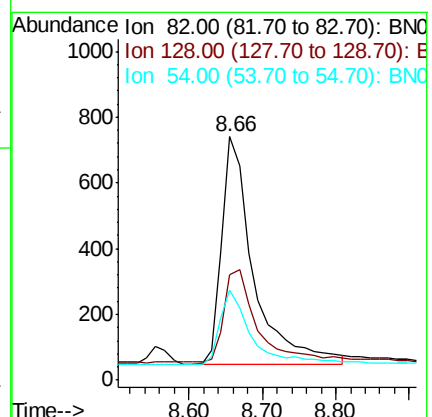
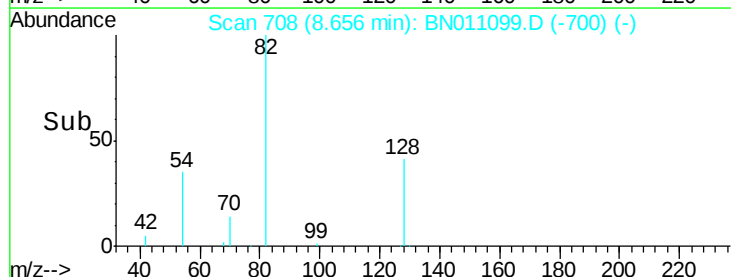
54 37.0 29.4 44.0

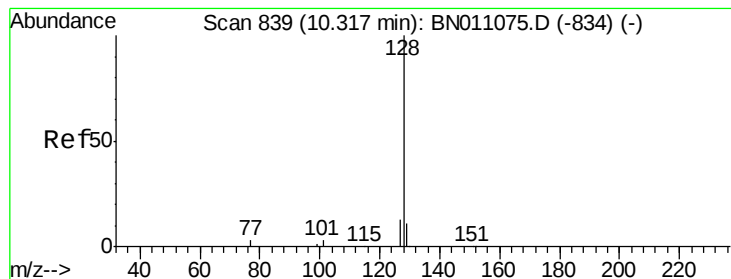


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.084 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

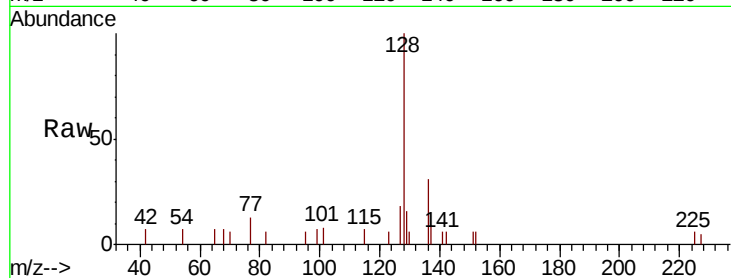
Tot Ion:128 Resp: 1829

Ion Ratio Lower Upper

128 100

129 16.4 9.8 14.8#

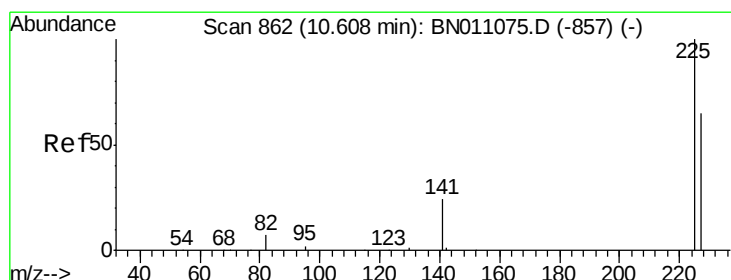
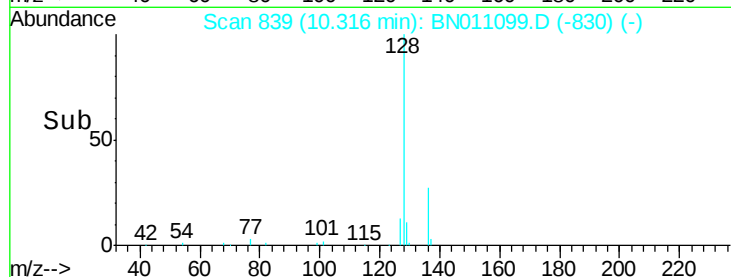
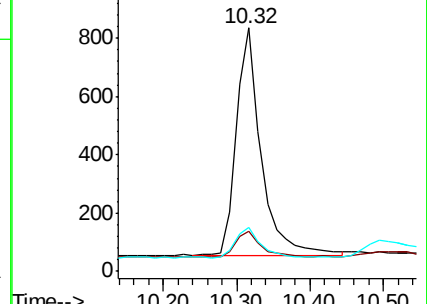
127 18.2 11.3 16.9#



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: 0.081 ng

RT: 10.61 min Scan# 862

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

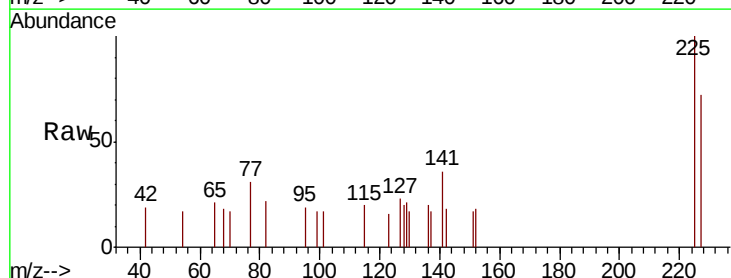
Tgt Ion:225 Resp: 447

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

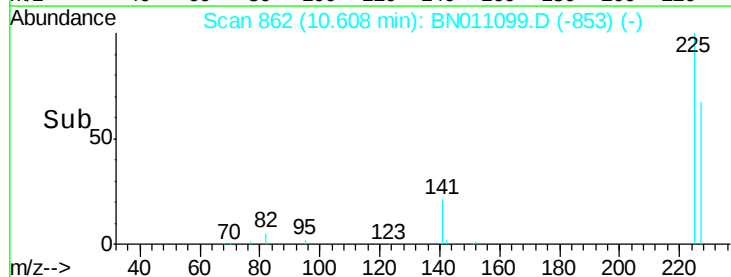
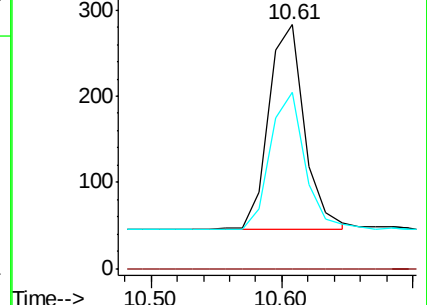
227 65.3 51.4 77.2

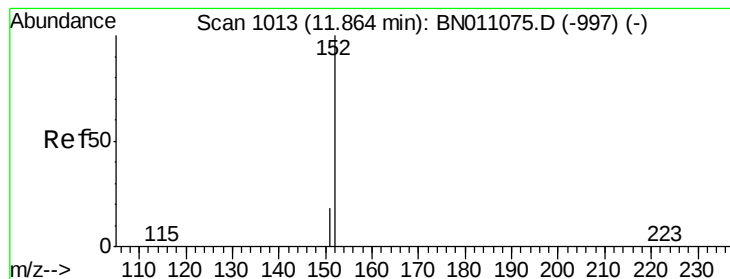


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.343 ng

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

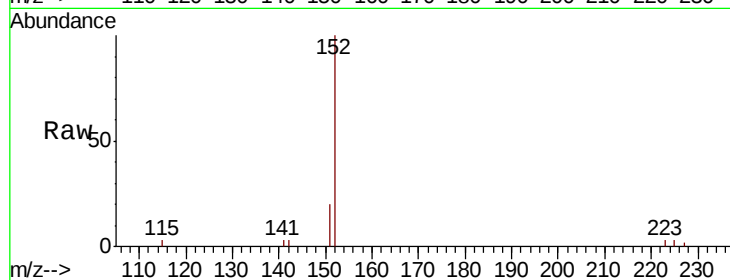
MDL-SOIL-04

Tot Ion:152 Resp: 4303

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

11.86

2000

1500

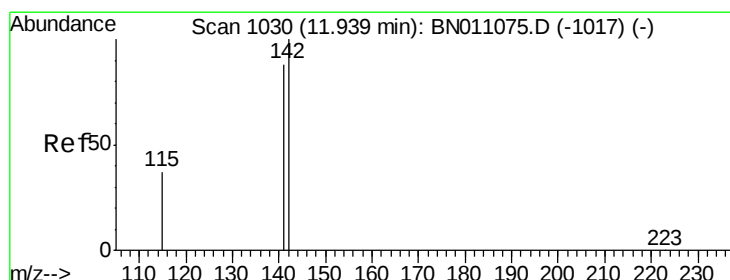
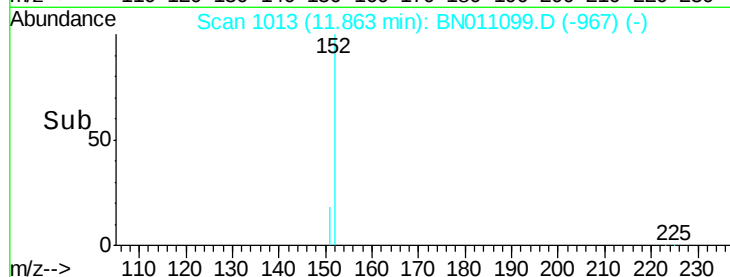
1000

500

0

11.80 11.90 12.00

Time-->



#12

2-Methylnaphthalene

Concen: 0.081 ng

RT: 11.94 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

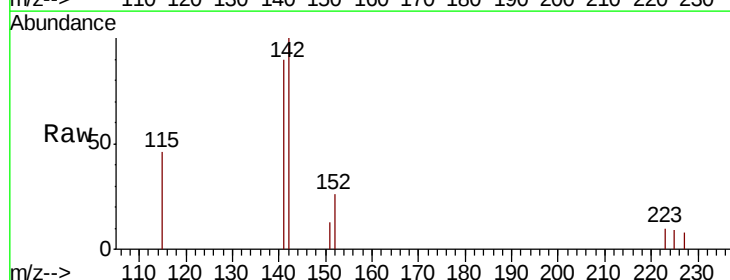
Tgt Ion:142 Resp: 1171

Ion Ratio Lower Upper

142 100

141 90.4 70.3 105.5

115 45.9 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

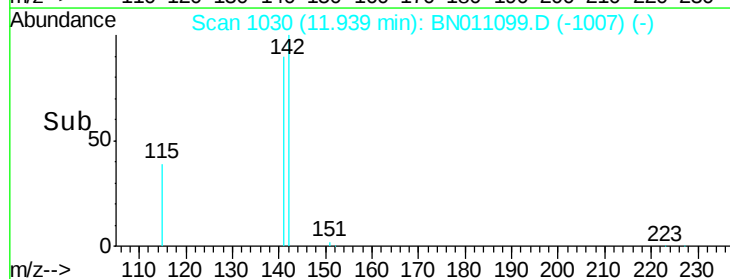
400

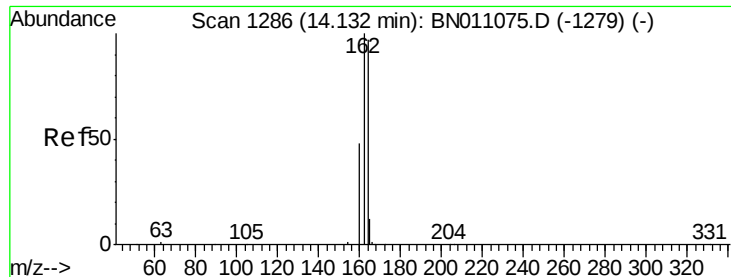
200

0

11.80 11.90 12.00 12.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.13 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

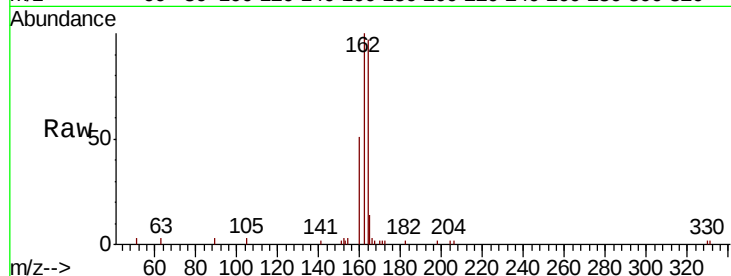
Tot Ion:164 Resp: 3751

Ion Ratio Lower Upper

164 100

162 103.3 82.3 123.5

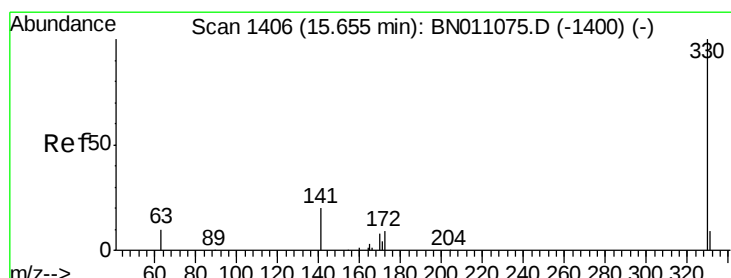
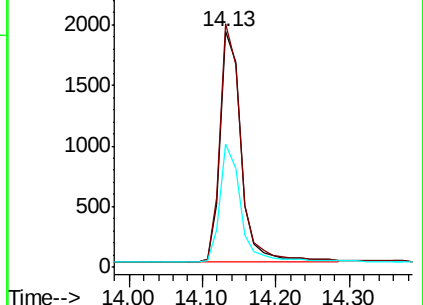
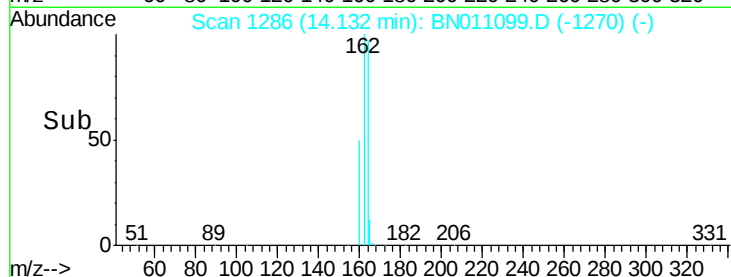
160 52.6 40.6 61.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.335 ng

RT: 15.65 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

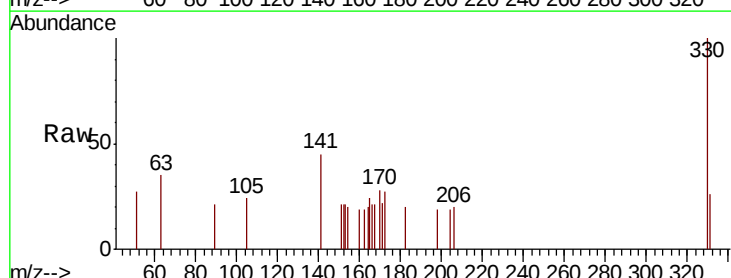
Tgt Ion:330 Resp: 528

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

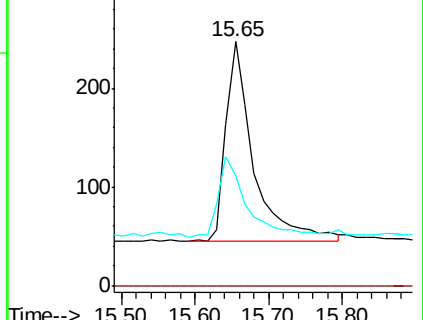
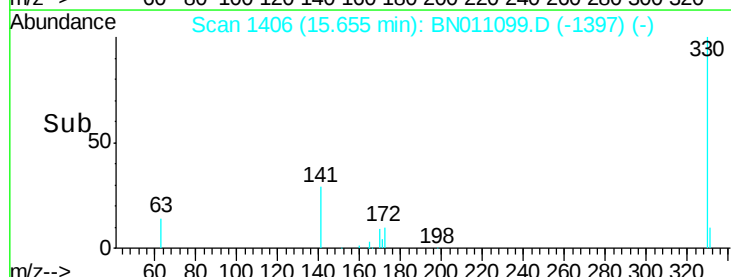
141 41.7 32.6 49.0

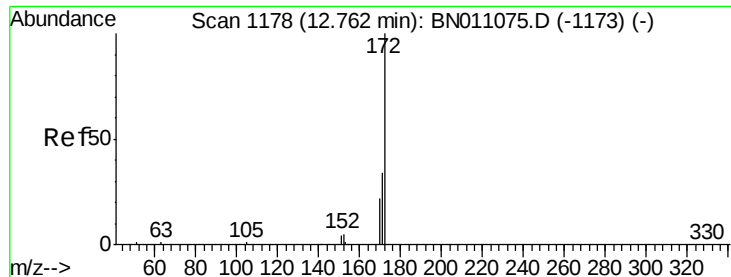


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

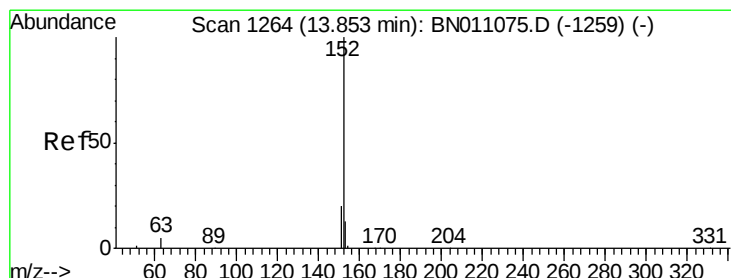
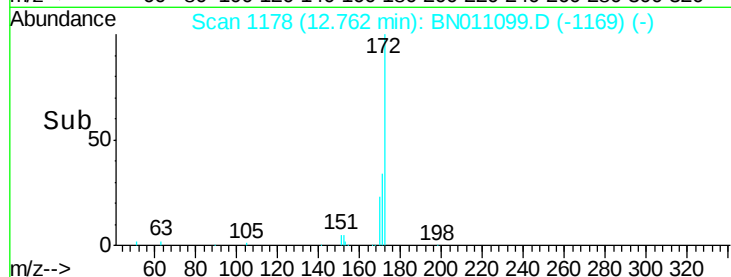
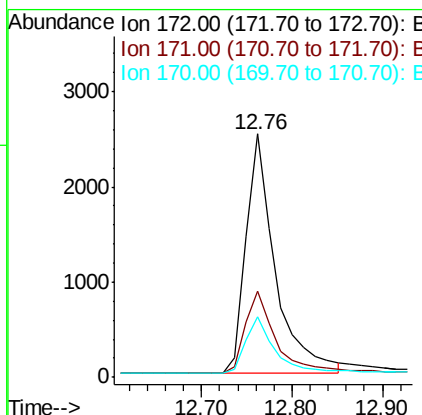
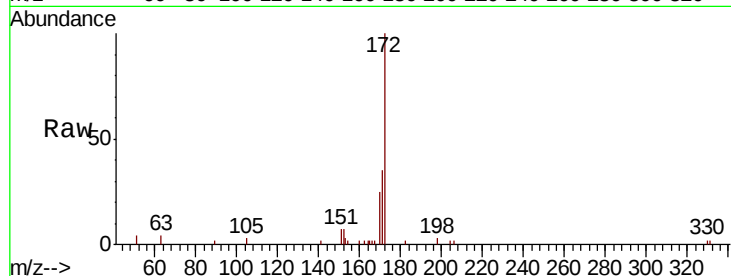




#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

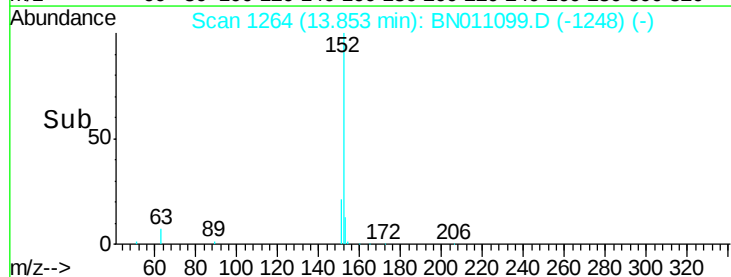
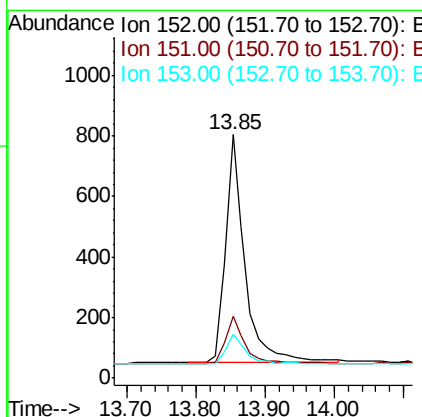
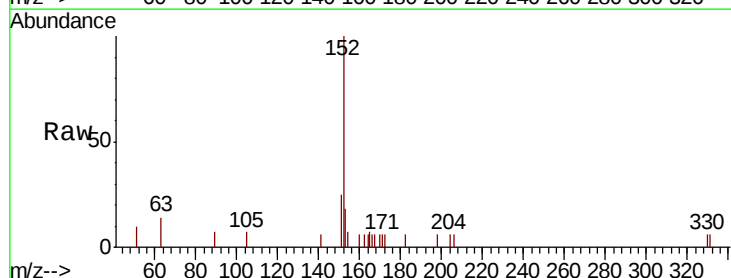
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

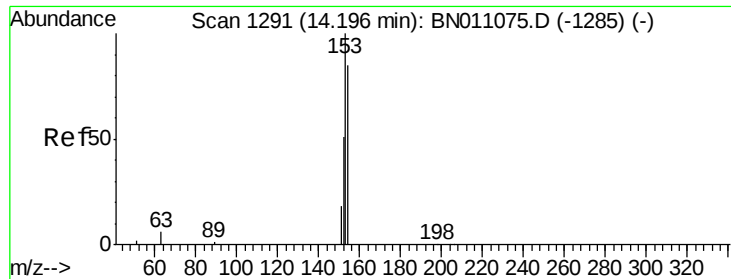
Tot Ion:172 Resp: 5649
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 24.7 18.7 28.1



#16
Acenaphthylene
Concen: 0.080 ng
RT: 13.85 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Tgt Ion:152 Resp: 1497
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.8
153 12.8 10.8 16.2





#17

Acenaphthene

Concen: 0.083 ng

RT: 14.20 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

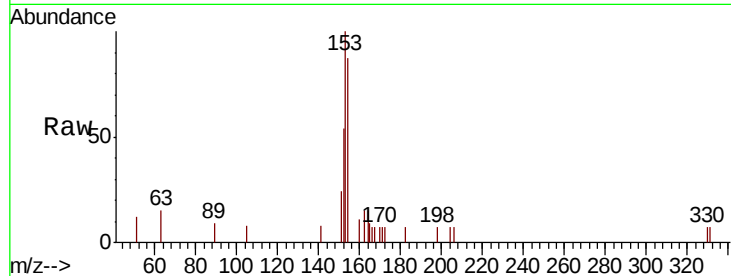
Tot Ion:154 Resp: 1052

Ion Ratio Lower Upper

154 100

153 112.9 91.7 137.5

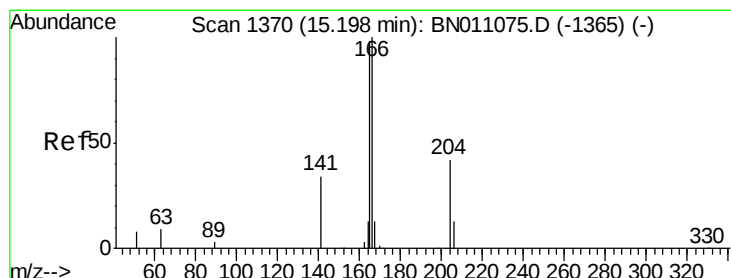
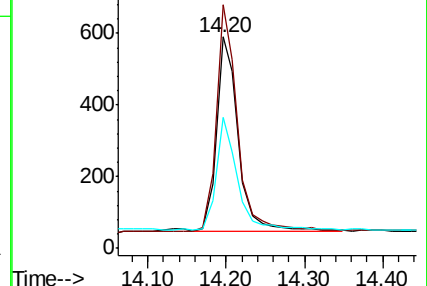
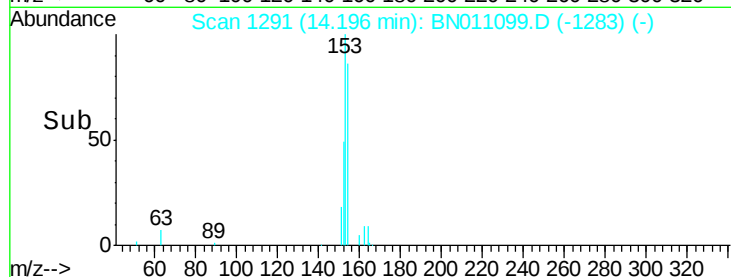
152 56.2 46.8 70.2



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: 0.078 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

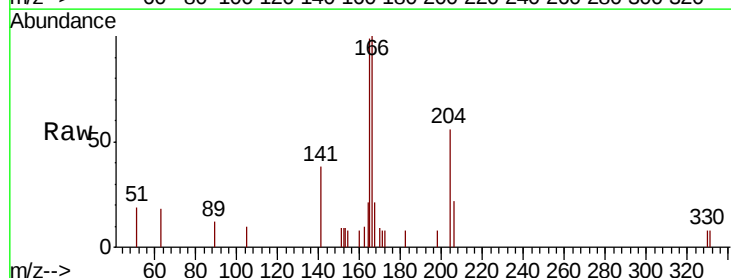
Tgt Ion:166 Resp: 1238

Ion Ratio Lower Upper

166 100

165 98.0 78.9 118.3

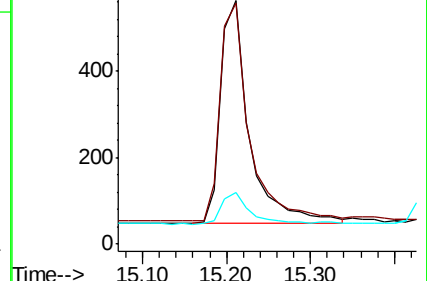
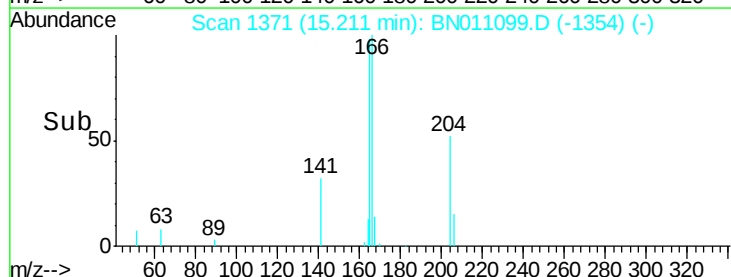
167 14.5 10.9 16.3

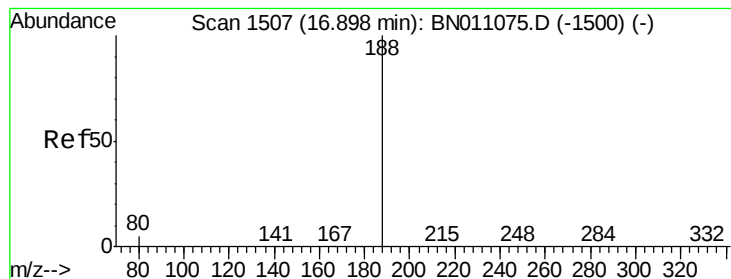


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

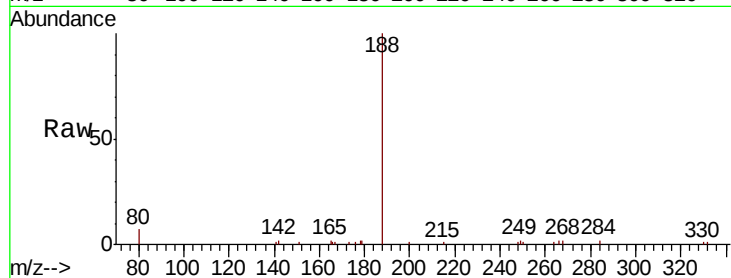
Tot Ion:188 Resp: 7534

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

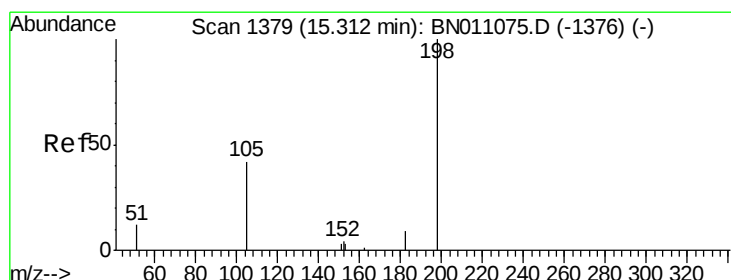
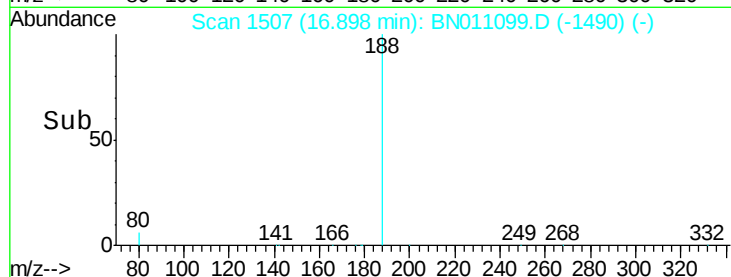
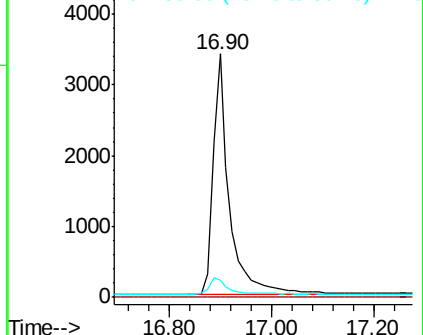
80 7.2 5.3 7.9



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: 0.066 ng

RT: 15.38 min Scan# 1384

Delta R.T. 0.06 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

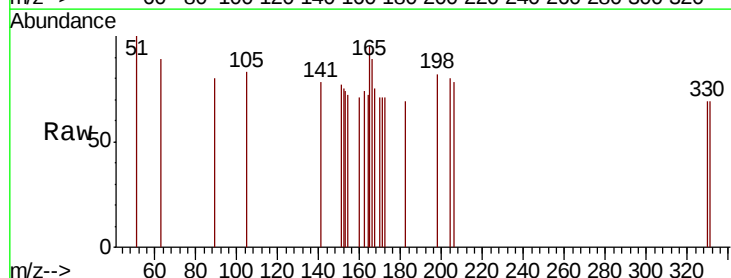
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 122.6 58.2 87.4#

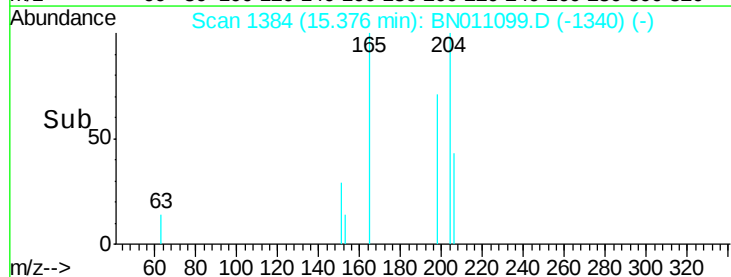
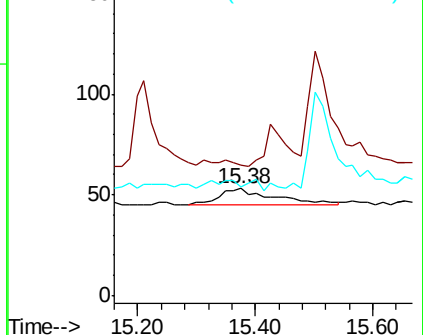
105 101.9 59.0 88.4#

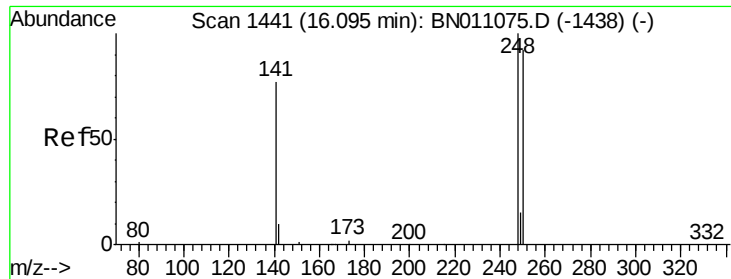


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

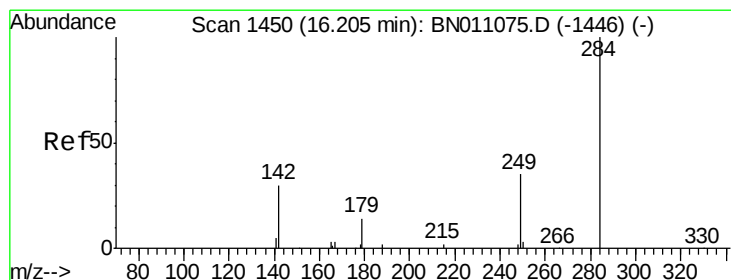
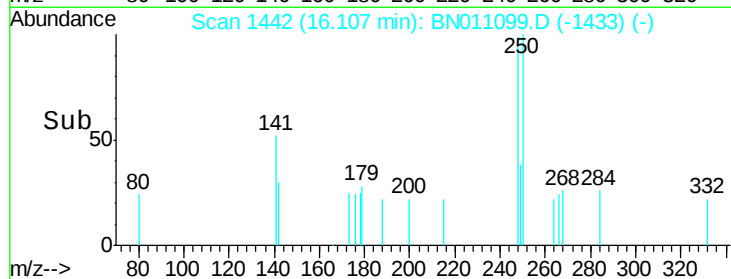
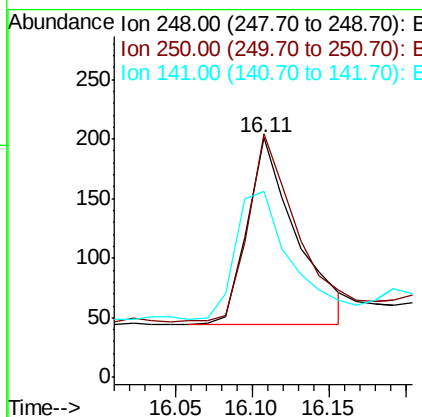
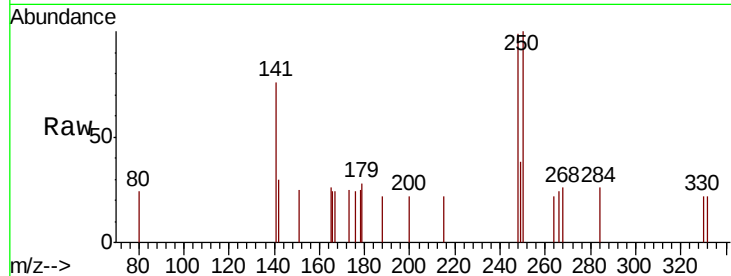




#21
4-Bromophenyl-phenylether
Concen: 0.069 ng
RT: 16.11 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

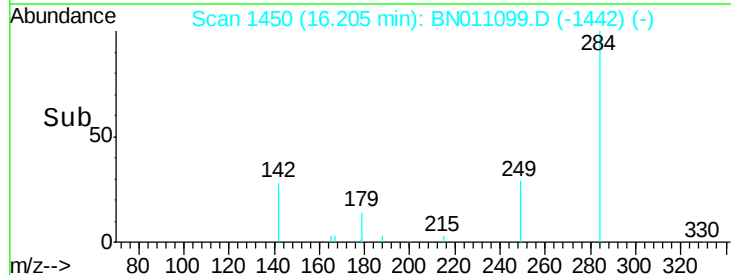
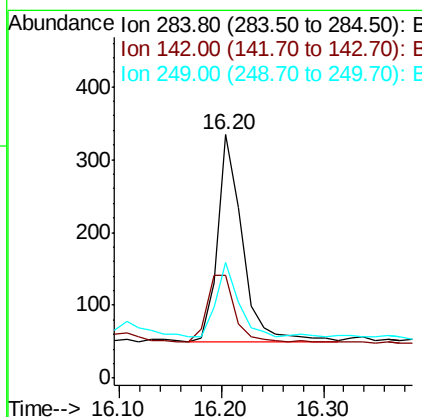
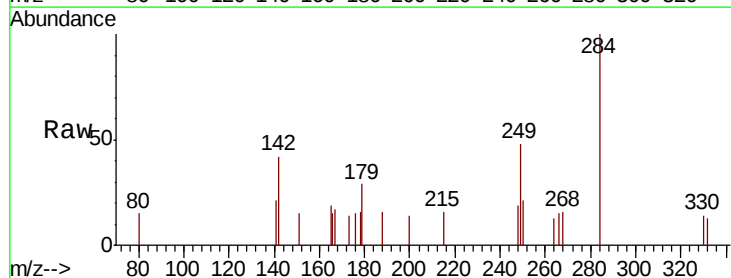
Instrument :
BNA_N
ClientSampled :
MDL-SOIL-04

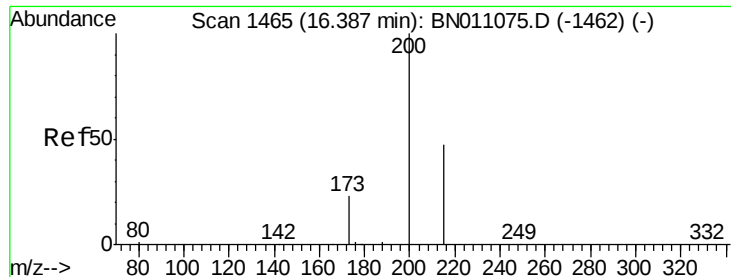
Tot Ion:248 Resp: 346
Ion Ratio Lower Upper
248 100
250 101.5 73.8 110.8
141 77.6 63.1 94.7



#22
Hexachlorobenzene
Concen: 0.082 ng
RT: 16.20 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Tgt Ion:284 Resp: 481
Ion Ratio Lower Upper
284 100
142 37.8 33.3 49.9
249 32.6 27.4 41.2

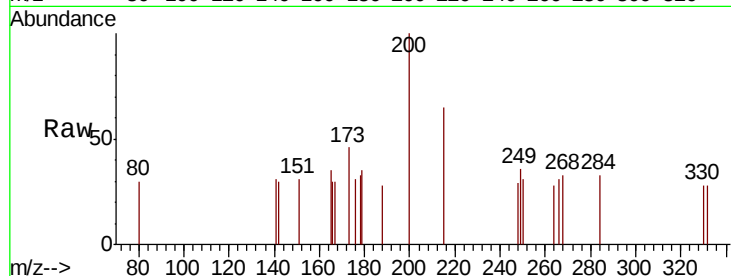




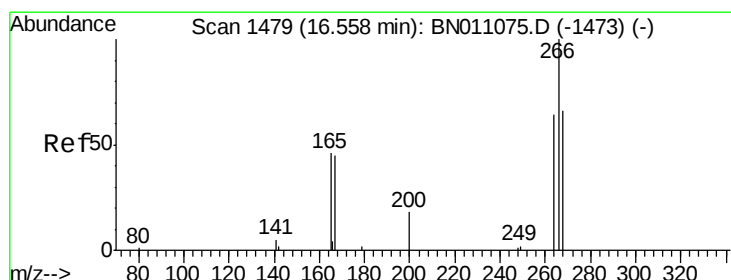
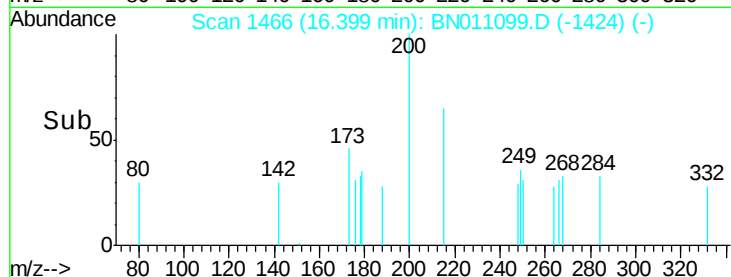
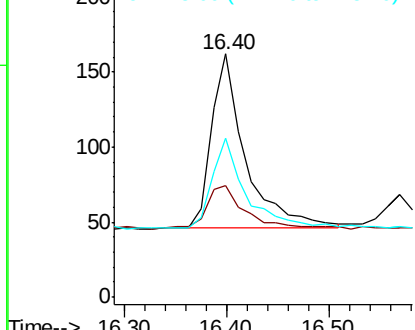
#23
Atrazine
Concen: 0.076 ng
RT: 16.40 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

Tot Ion	Ratio	Lower	Upper
200	100		
173	45.7	22.8	34.2#
215	65.4	40.7	61.1#

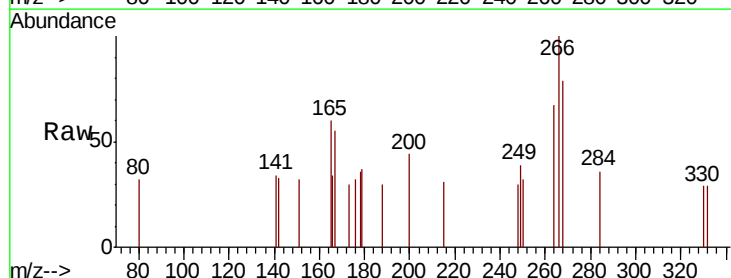


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

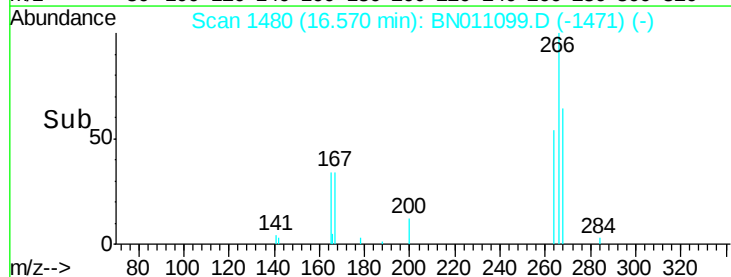
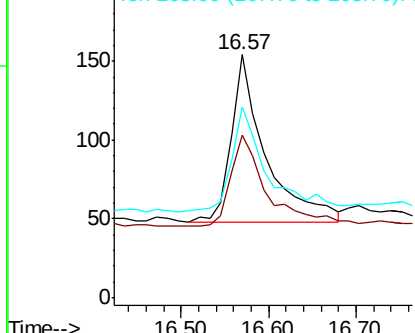


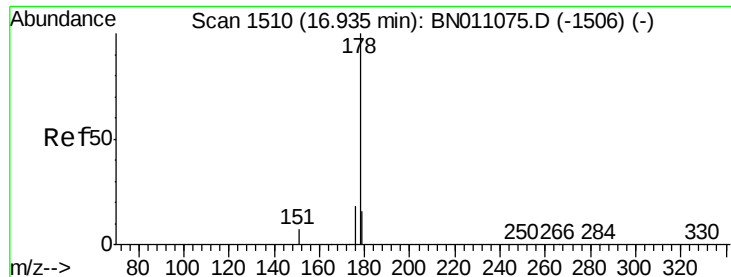
#24
Pentachlorophenol
Concen: 0.183 ng
RT: 16.57 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.7	47.4	71.0
268	67.6	55.0	82.4



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





#25

Phenanthrene

Concen: 0.077 ng

RT: 16.93 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

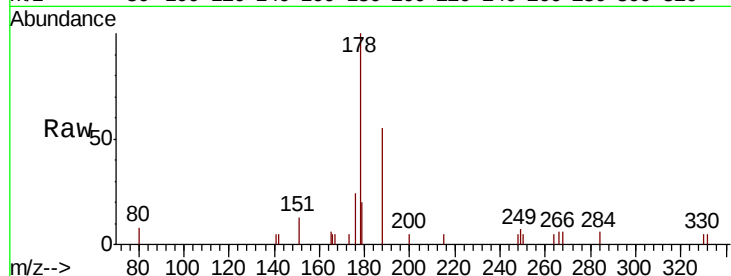
Tot Ion:178 Resp: 1874

Ion Ratio Lower Upper

178 100

176 19.6 15.0 22.6

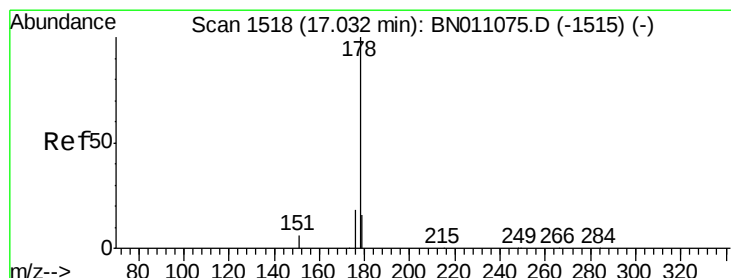
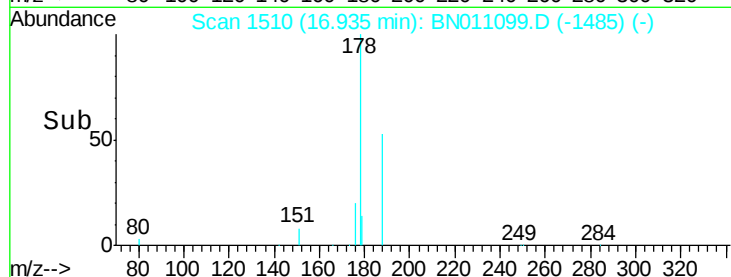
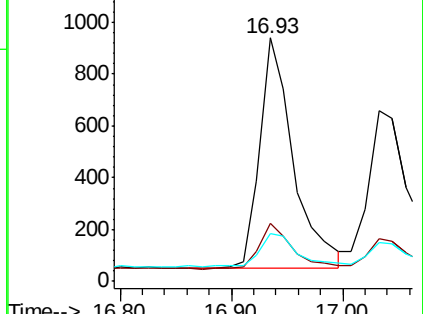
179 16.2 12.5 18.7



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: 17.03 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

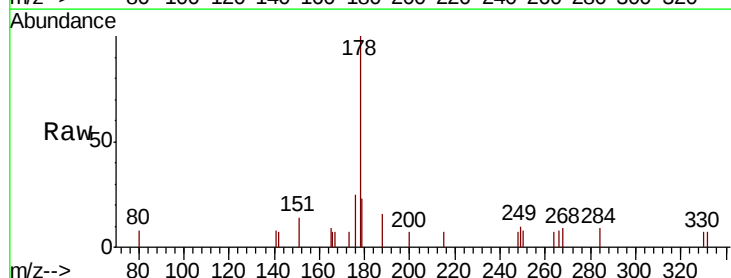
Tgt Ion:178 Resp: 1527

Ion Ratio Lower Upper

178 100

176 19.6 14.2 21.4

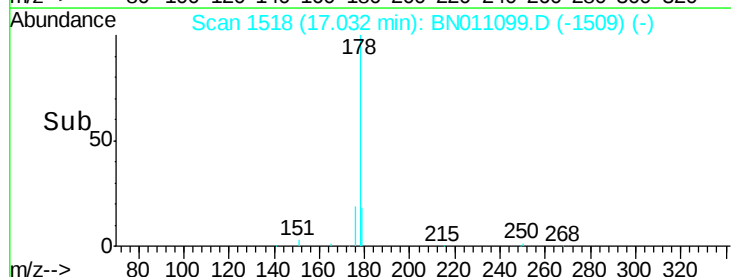
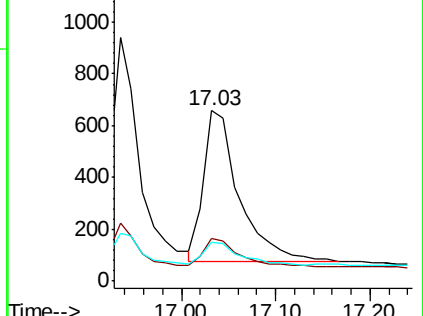
179 14.8 12.2 18.2

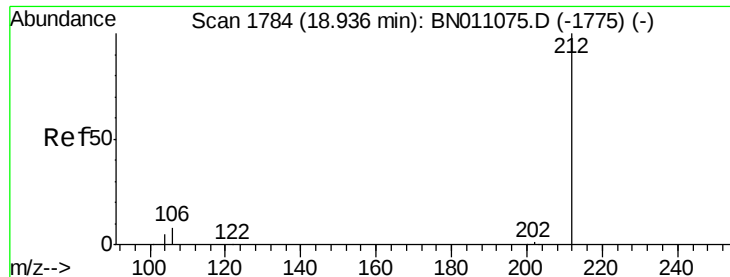


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

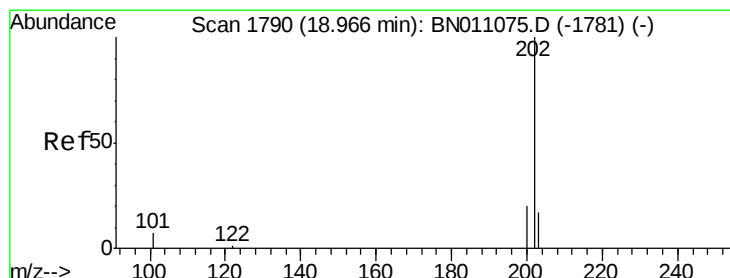
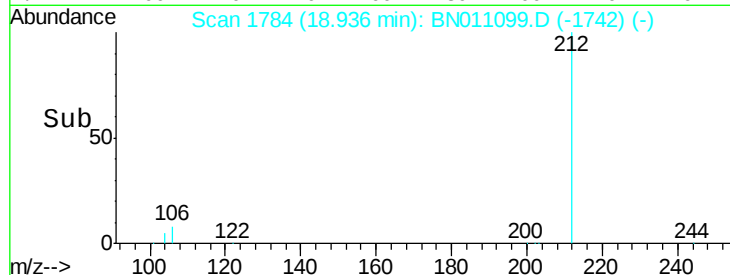
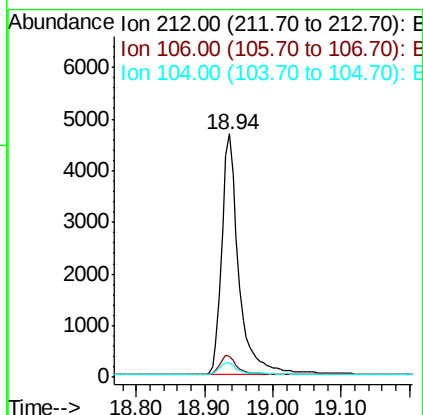
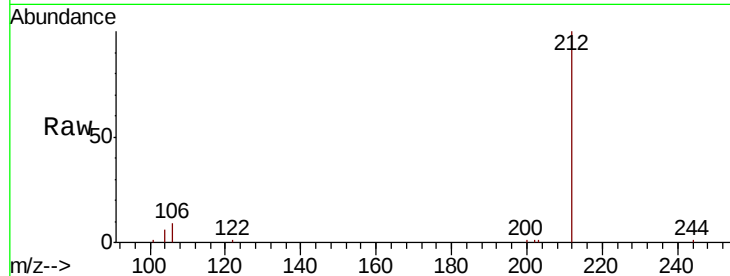




#27
 Fluoranthene-d10
 Concen: 0.359 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011099.D
 Acq: 06 Jul 2020 10:01

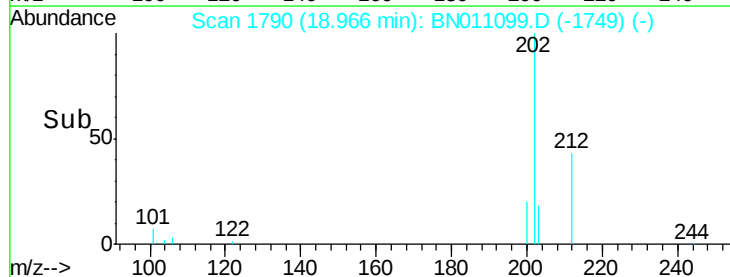
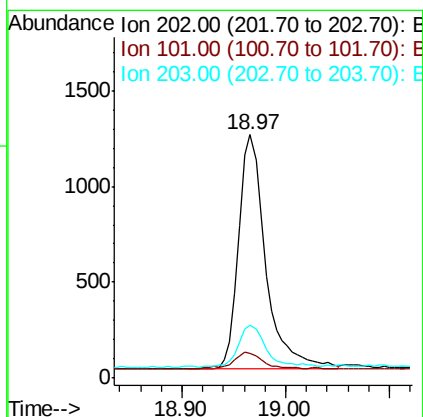
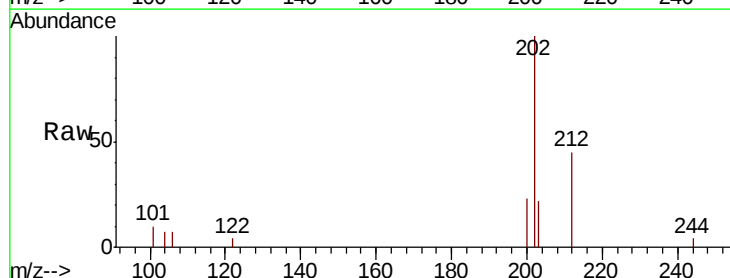
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-04

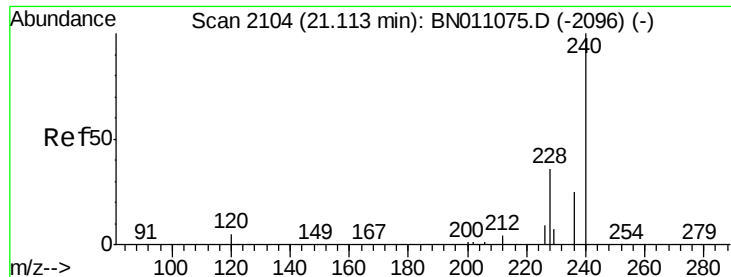
Tot Ion:212 Resp: 8190
 Ion Ratio Lower Upper
 212 100
 106 8.1 7.1 10.7
 104 5.1 4.2 6.4



#28
 Fluoranthene
 Concen: 0.079 ng
 RT: 18.97 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BN011099.D
 Acq: 06 Jul 2020 10:01

Tgt Ion:202 Resp: 2163
 Ion Ratio Lower Upper
 202 100
 101 8.0 6.3 9.5
 203 18.2 13.5 20.3

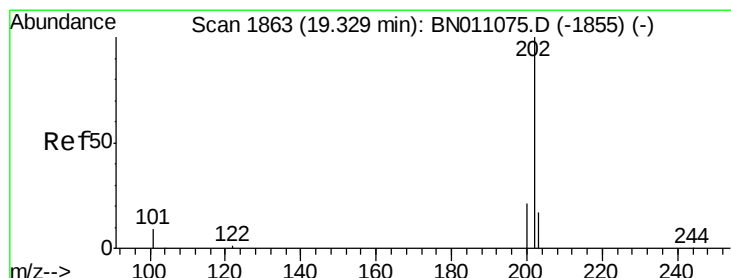
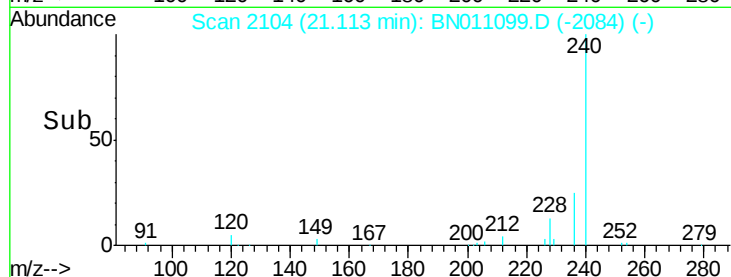
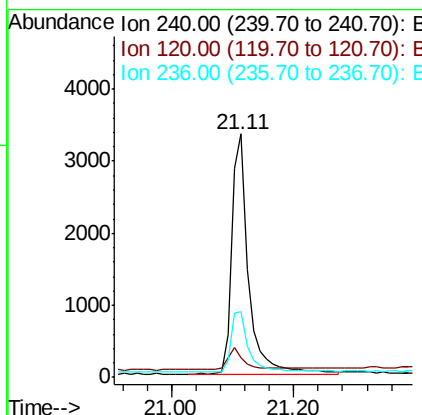
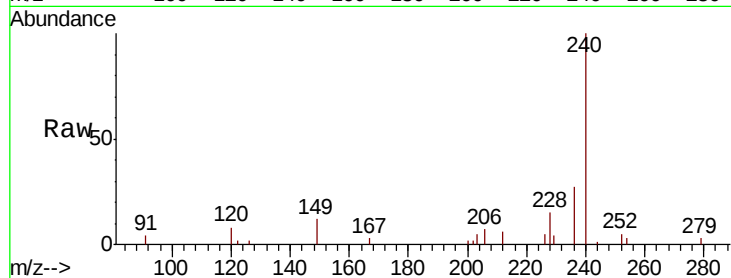




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

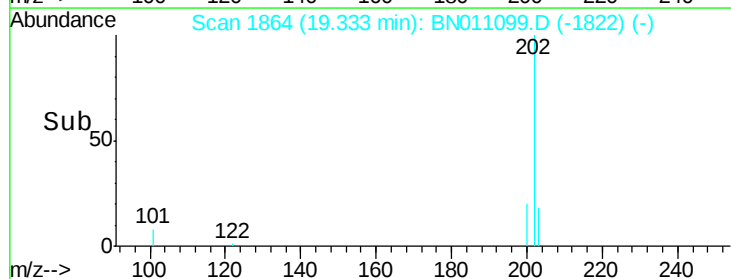
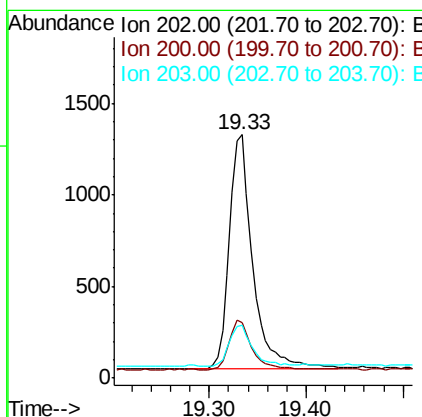
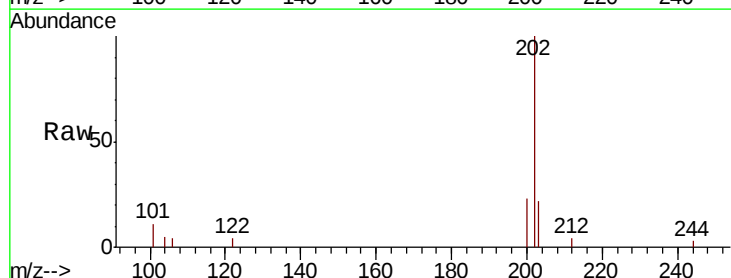
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

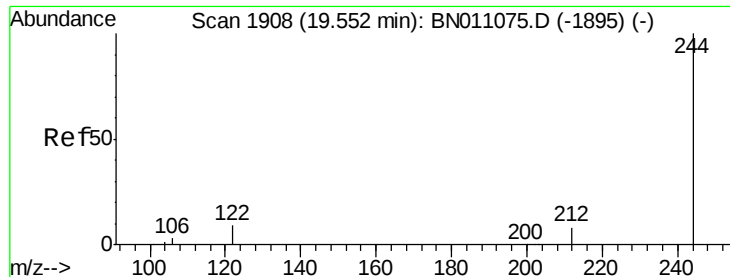
Tot Ion:240 Resp: 6358
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 27.0 21.9 32.9



#30
Pyrene
Concen: 0.091 ng
RT: 19.33 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN011099.D
Acq: 06 Jul 2020 10:01

Tgt Ion:202 Resp: 2163
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 16.8 14.2 21.4





#31

Terphenyl-d14

Concen: 0.389 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

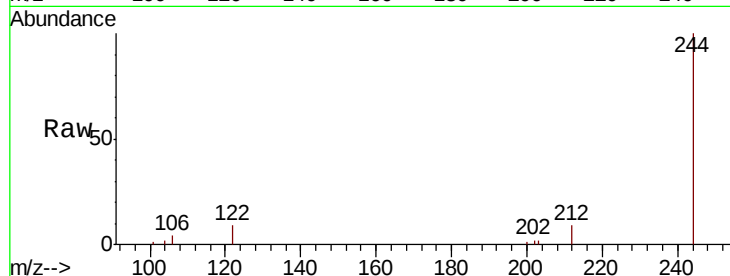
Tot Ion:244 Resp: 6443

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

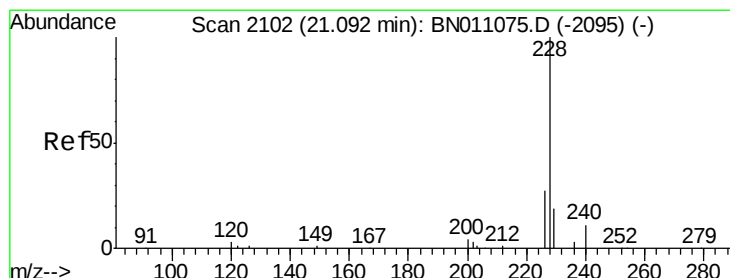
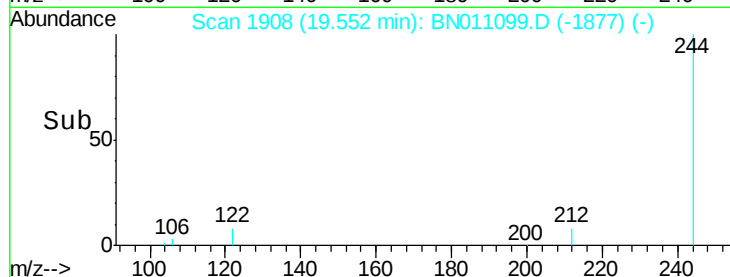
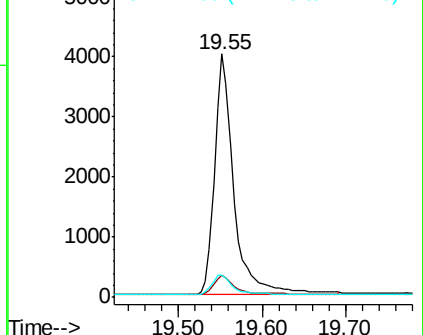
122 9.2 8.2 12.4



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: 0.083 ng

RT: 21.09 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

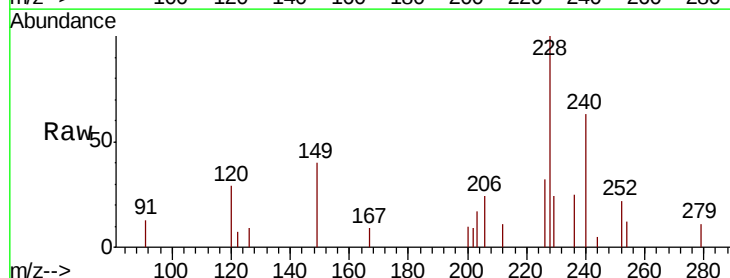
Tgt Ion:228 Resp: 1765

Ion Ratio Lower Upper

228 100

226 32.5 22.0 33.0

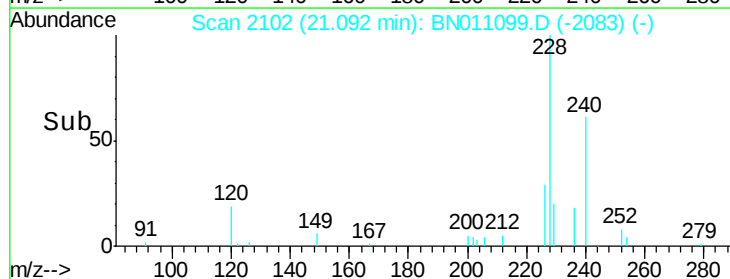
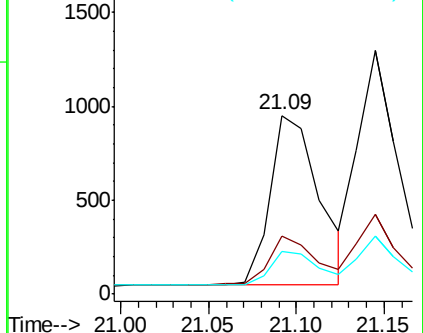
229 24.0 16.1 24.1

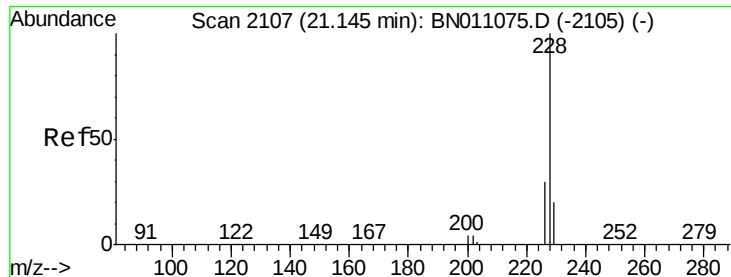


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.086 ng

RT: 21.14 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

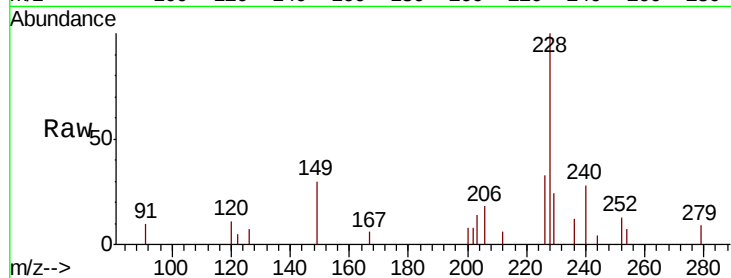
Tot Ion:228 Resp: 2092

Ion Ratio Lower Upper

228 100

226 32.8 24.0 36.0

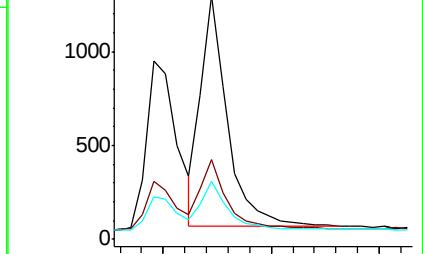
229 23.8 16.4 24.6



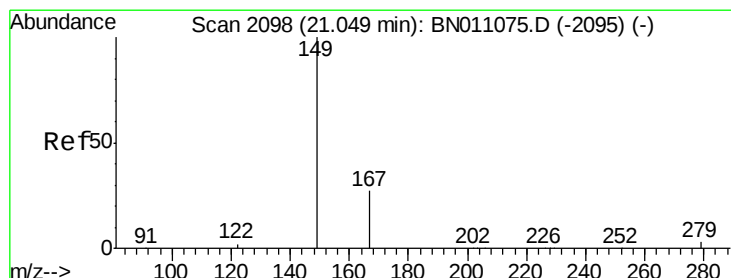
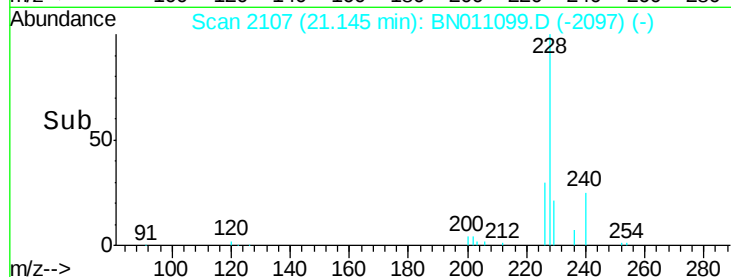
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.124 ng

RT: 21.05 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

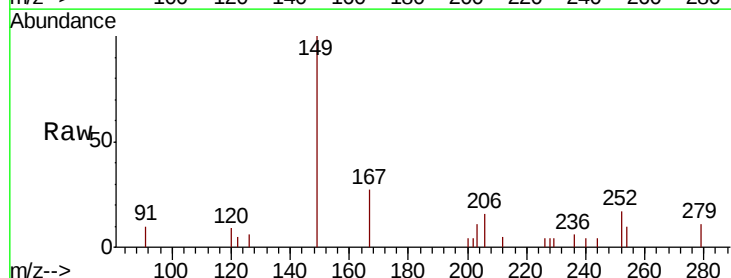
Tgt Ion:149 Resp: 1065

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

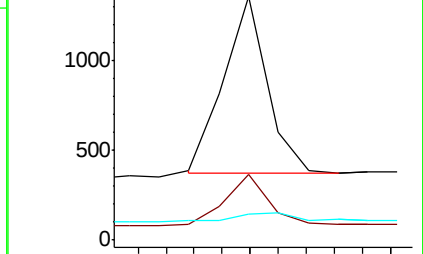
279 6.4 4.5 6.7



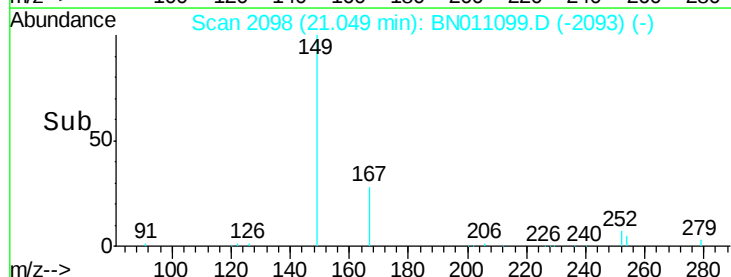
Abundance Ion 149.00 (148.70 to 149.70): E

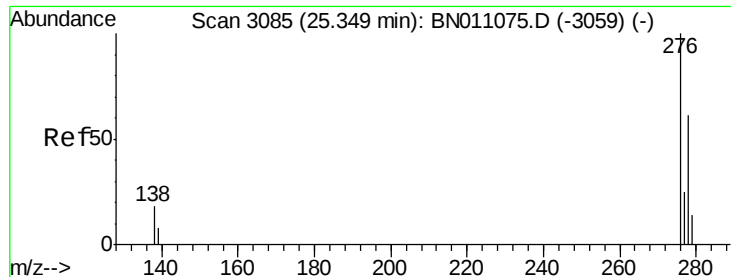
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.066 ng

RT: 25.36 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

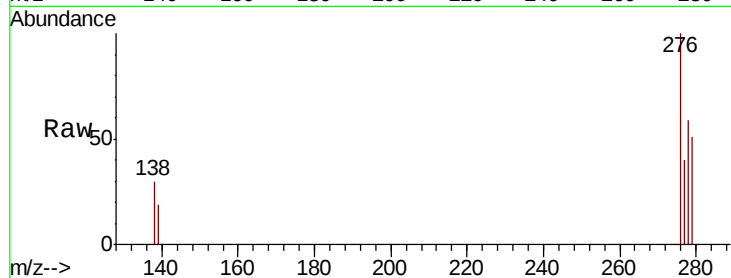
Tot Ion:276 Resp: 1680

Ion Ratio Lower Upper

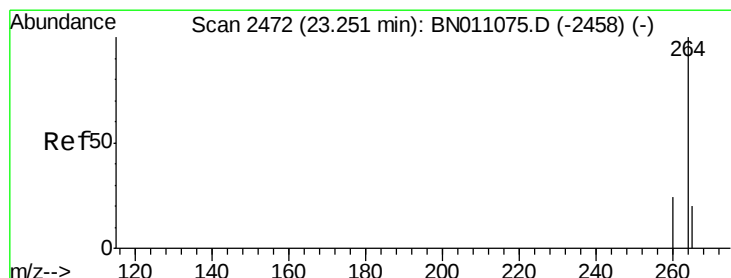
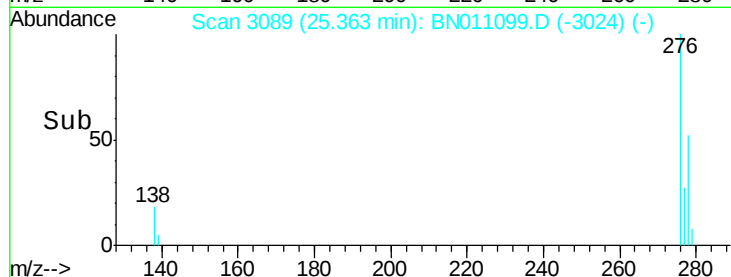
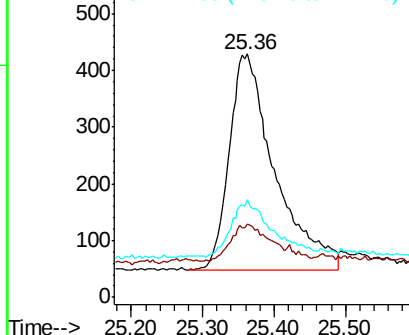
276 100

138 13.9 15.4 23.0#

277 23.9 19.4 29.0



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

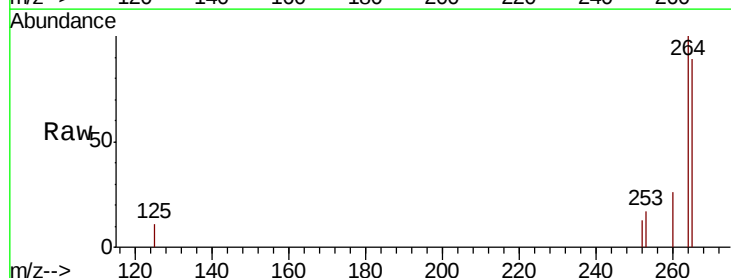
Tgt Ion:264 Resp: 6177

Ion Ratio Lower Upper

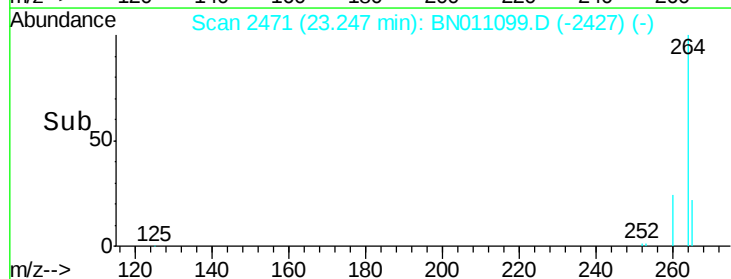
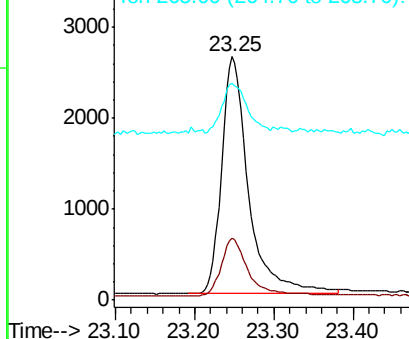
264 100

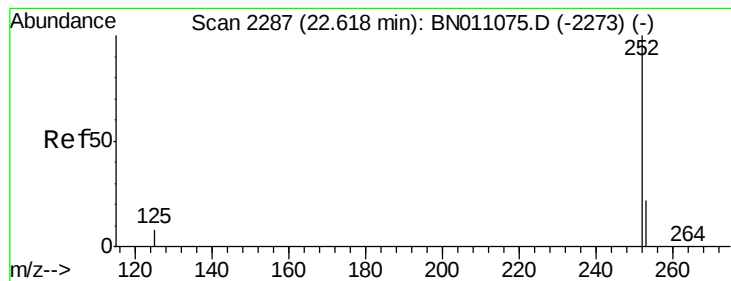
260 25.6 20.4 30.6

265 88.9 83.0 124.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 0.071 ng

RT: 22.62 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

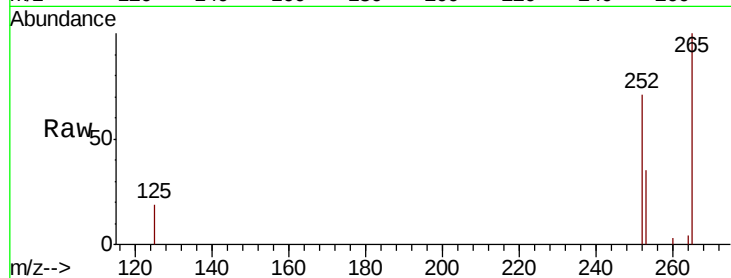
Tot Ion:252 Resp: 1752

Ion Ratio Lower Upper

252 100

253 49.2 22.7 34.1#

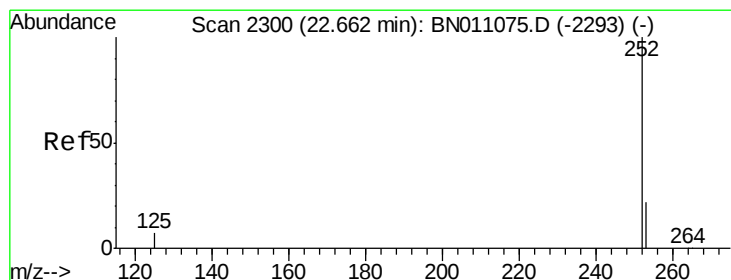
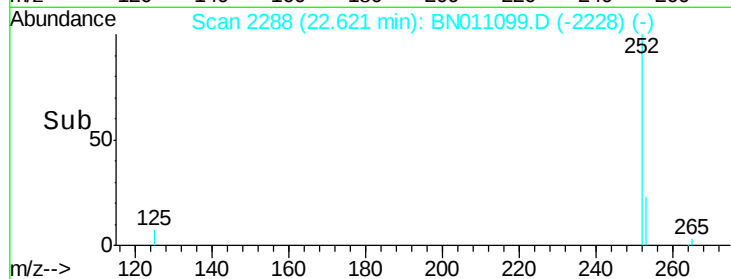
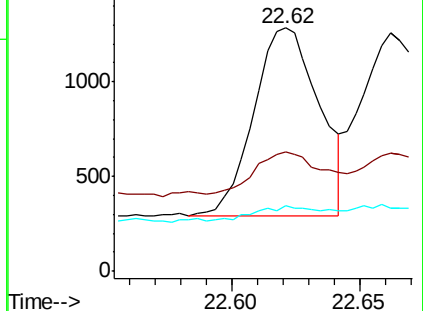
125 26.8 10.4 15.6#



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: 0.071 ng

RT: 22.66 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

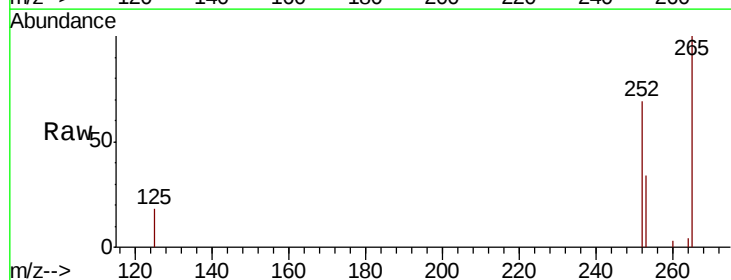
Tgt Ion:252 Resp: 1884

Ion Ratio Lower Upper

252 100

253 49.4 22.9 34.3#

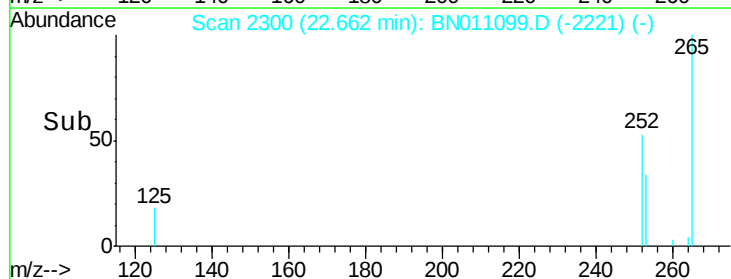
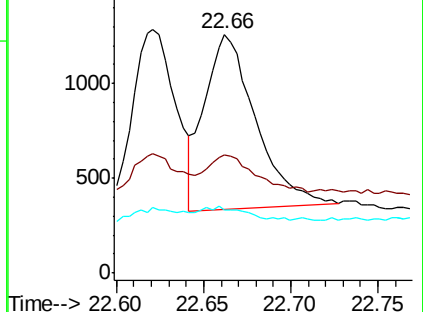
125 26.3 10.6 15.8#

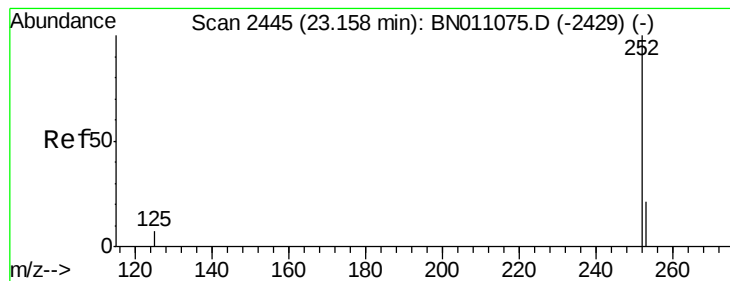


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.067 ng

RT: 23.16 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

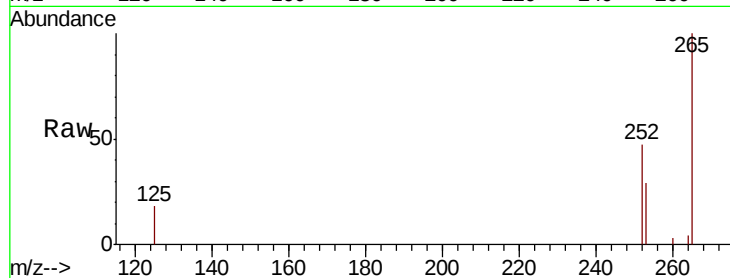
Tot Ion:252 Resp: 1432

Ion Ratio Lower Upper

252 100

253 62.5 25.9 38.9#

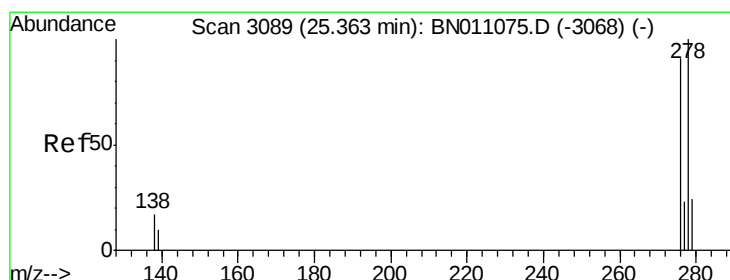
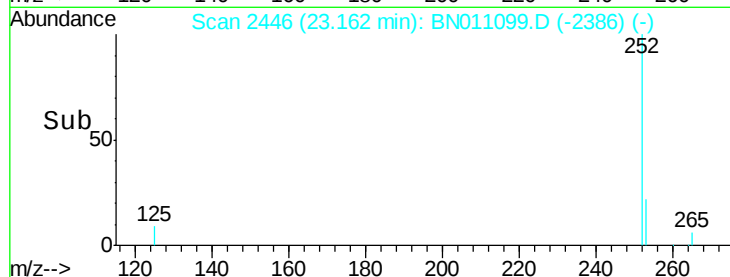
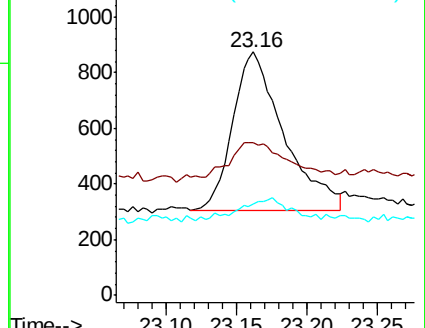
125 37.6 12.5 18.7#



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: 0.057 ng

RT: 25.38 min Scan# 3094

Delta R.T. 0.03 min

Lab File: BN011099.D

Acq: 06 Jul 2020 10:01

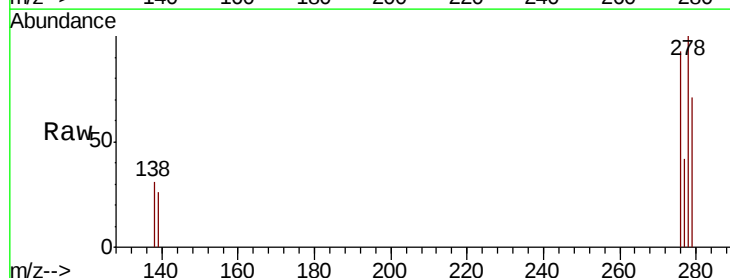
Tgt Ion:278 Resp: 1240

Ion Ratio Lower Upper

278 100

139 25.7 11.9 17.9#

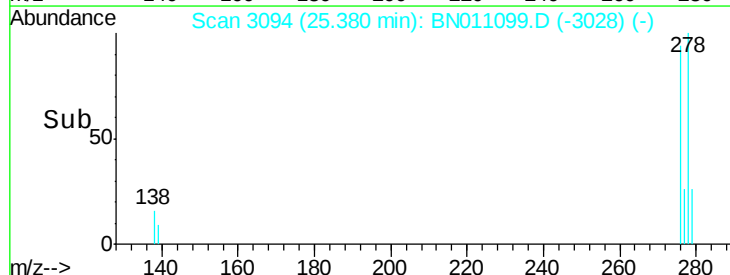
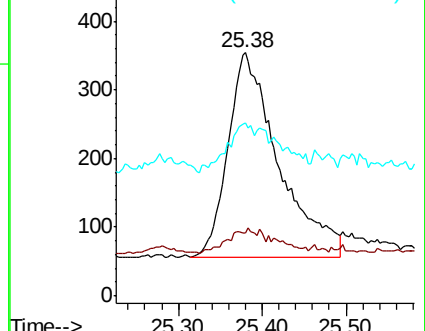
279 71.2 25.5 38.3#

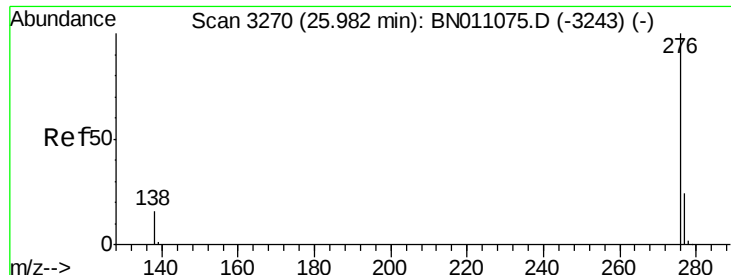


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.074 ng

RT: 25.98 min Scan# 3270

Delta R.T. 0.01 min

Lab File: BN011099.D

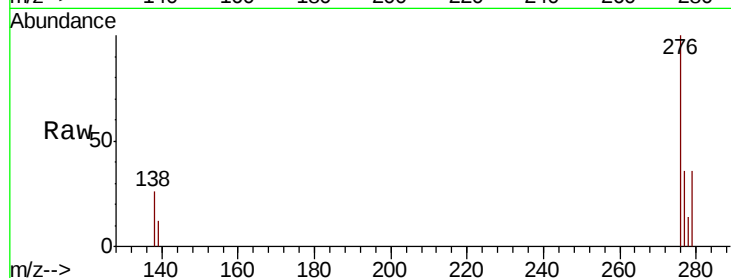
Acq: 06 Jul 2020 10:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04



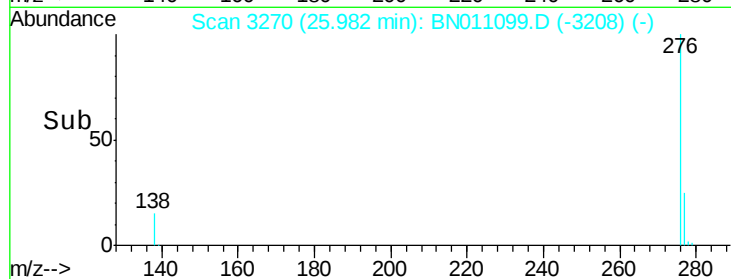
Tot Ion: 276 Resp: 1779

Ion Ratio Lower Upper

276 100

277 35.9 21.1 31.7#

138 25.6 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

