

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071320\
 Data File : BN011151.D
 Acq On : 13 Jul 2020 11:50
 Operator : CG/JU
 Sample : PB130053BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 13 12:27:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 11:25:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	2208	0.40	ng	0.00
7) Naphthalene-d8	10.25	136	6474	0.40	ng	0.00
13) Acenaphthene-d10	14.13	164	3467	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	7162	0.40	ng	0.01
29) Chrysene-d12	21.11	240	6287	0.40	ng	0.01
36) Perylene-d12	23.25	264	6208	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.17	112	1706	0.31	ng	0.00
5) Phenol-d6	6.71	99	1600	0.26	ng	0.00
8) Nitrobenzene-d5	8.66	82	1879	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.87	152	3090	0.29	ng	0.01
14) 2,4,6-Tribromophenol	15.65	330	400	0.26	ng	0.01
15) 2-Fluorobiphenyl	12.76	172	5004	0.31	ng	0.01
27) Fluoranthene-d10	18.93	212	6484	0.29	ng	0.00
31) Terphenyl-d14	19.55	244	6757	0.41	ng	0.00

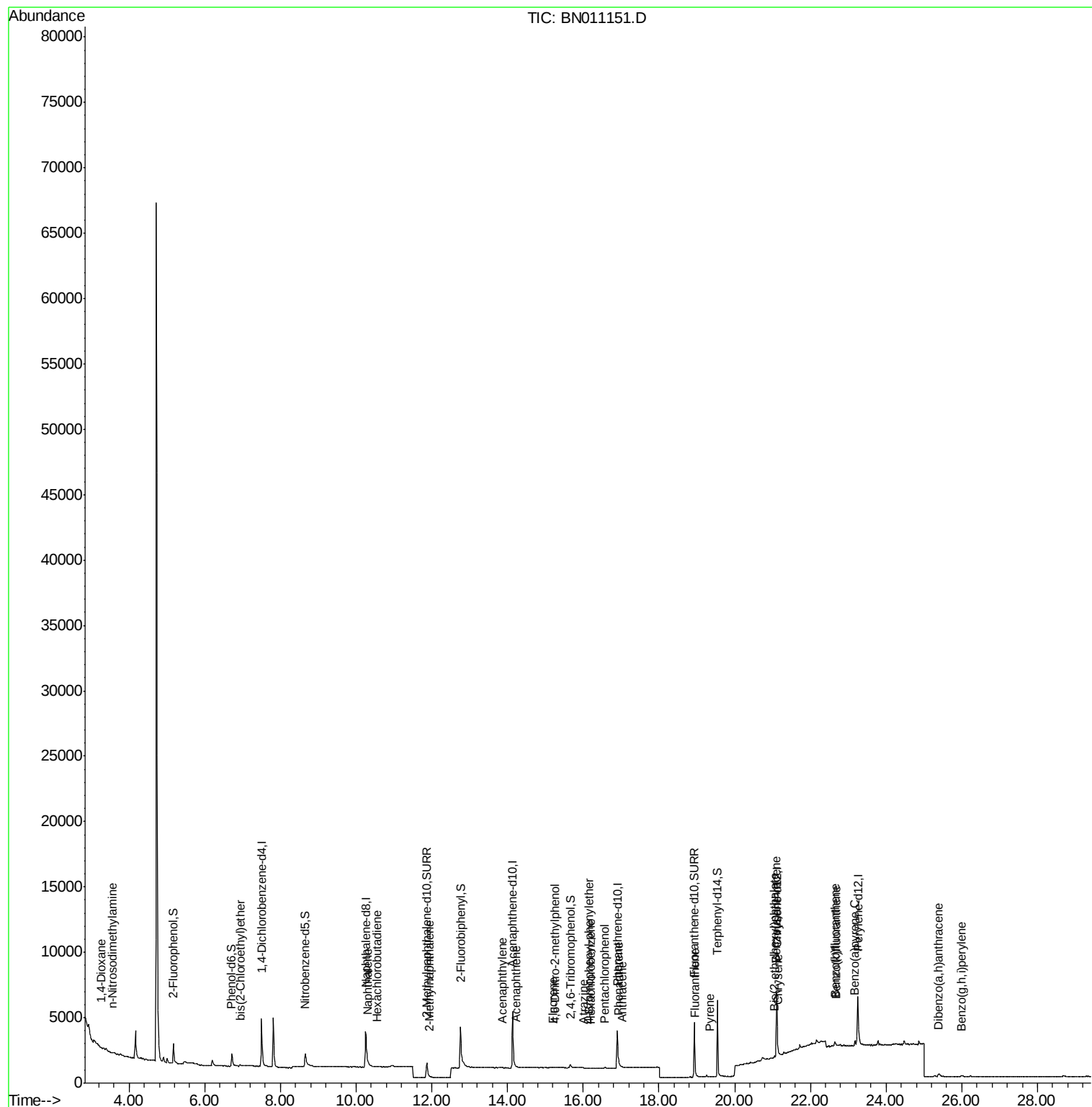
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	6	0.002	ng	# 29
3) n-Nitrosodimethylamine	3.56	42	12	0.008	ng	# 1
6) bis(2-Chloroethyl)ether	6.93	93	13	0.002	ng	# 5
9) Naphthalene	10.30	128	37	0.002	ng	# 1
10) Hexachlorobutadiene	10.54	225	5	0.001	ng	# 18
12) 2-Methylnaphthalene	11.94	142	9	0.001	ng	# 53
16) Acenaphthylene	13.85	152	14	0.001	ng	# 40
17) Acenaphthene	14.23	154	3	0.000	ng	# 4
18) Fluorene	15.21	166	11	0.001	ng	# 11
20) 4,6-Dinitro-2-methylphenol	15.25	198	2	0.135	ng	# 20
21) 4-Bromophenyl-phenylether	16.16	248	1	0.000	ng	# 72
22) Hexachlorobenzene	16.20	284	4	0.001	ng	# 1
23) Atrazine	16.01	200	371	0.109	ng	# 10
24) Pentachlorophenol	16.57	266	95	0.057	ng	# 91
25) Phenanthrene	16.93	178	37	0.002	ng	# 41
26) Anthracene	17.03	178	29	0.002	ng	# 94
28) Fluoranthene	18.96	202	31	0.001	ng	# 87
30) Pyrene	19.33	202	38	0.002	ng	# 93
32) Benzo(a)anthracene	21.10	228	112	0.005	ng	# 31
33) Chrysene	21.15	228	168	0.007	ng	# 39
34) Bis(2-ethylhexyl)phthalate	21.05	149	120	0.014	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.39	276	291	Below Cal		# 86
37) Benzo(b)fluoranthene	22.64	252	143	0.006	ng	# 1
38) Benzo(k)fluoranthene	22.68	252	111	0.004	ng	# 1
39) Benzo(a)pyrene	23.17	252	217	0.010	ng	# 1
40) Dibenzo(a,h)anthracene	25.39	278	145	0.006	ng	# 1
41) Benzo(g,h,i)perylene	26.00	276	66	0.003	ng	# 1

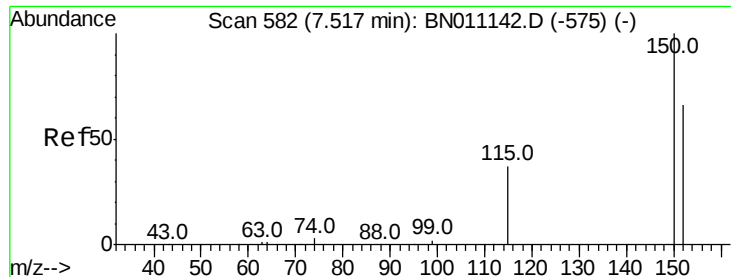
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071320\
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QLast Update : Mon Jul 13 11:25:24 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.50 min Scan# 580

Delta R.T. -0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

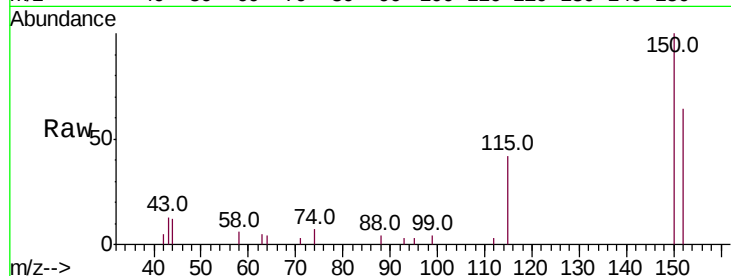
Tot Ion:152 Resp: 2208

Ion Ratio Lower Upper

152 100

150 155.0 119.4 179.0

115 64.5 48.3 72.5

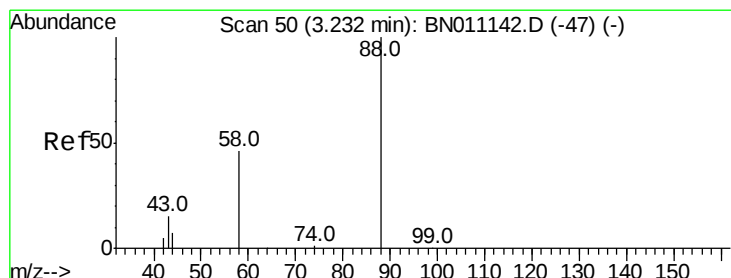
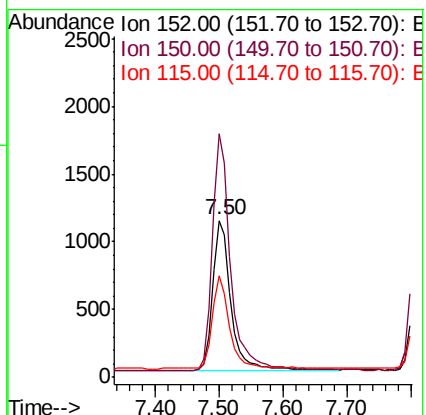
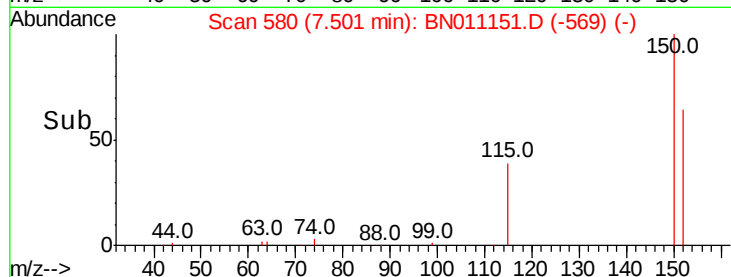


Abundance

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: 0.002 ng

RT: 3.27 min Scan# 55

Delta R.T. 0.04 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

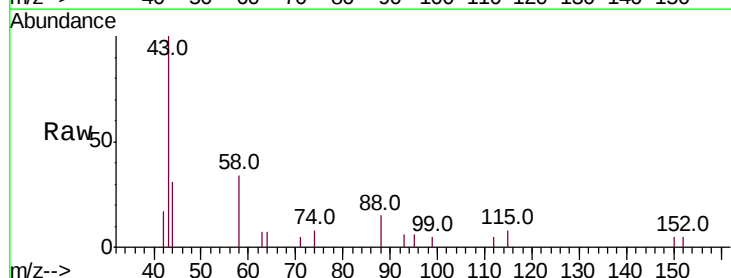
Tgt Ion: 88 Resp: 6

Ion Ratio Lower Upper

88 100

58 100.0 36.5 54.7#

43 0.0 14.3 21.5#

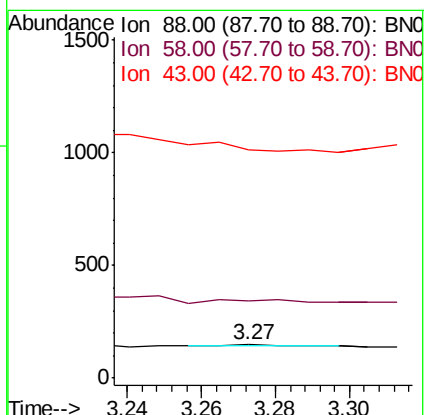
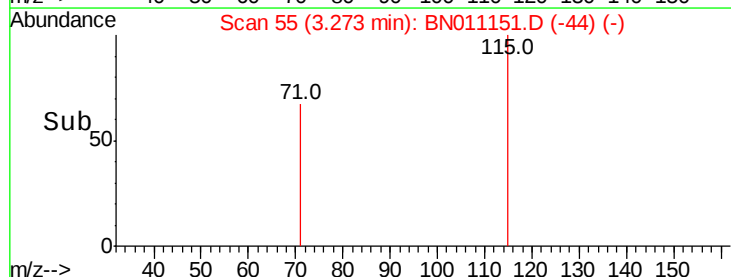


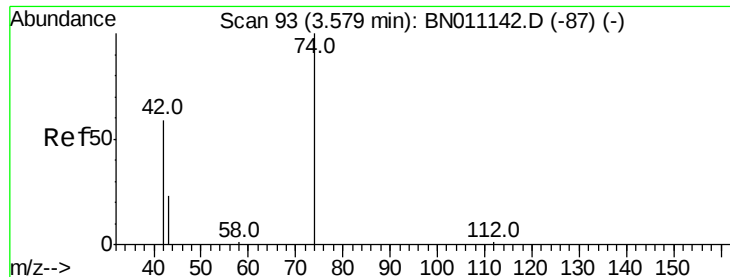
Abundance

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

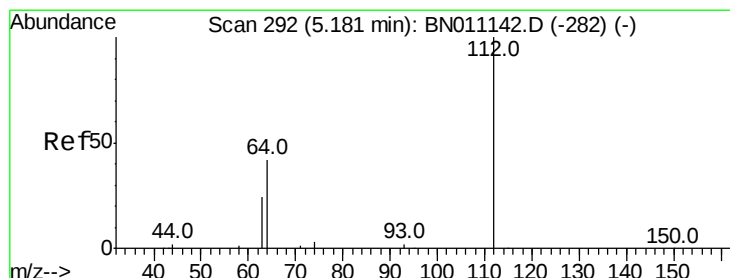
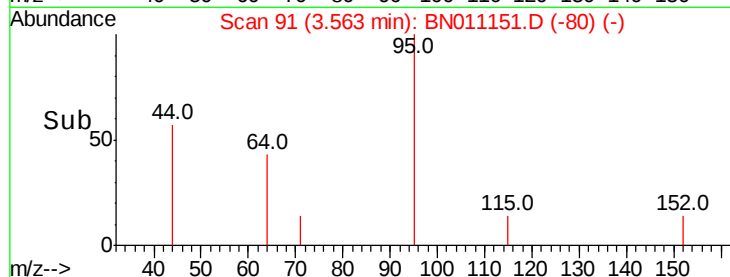
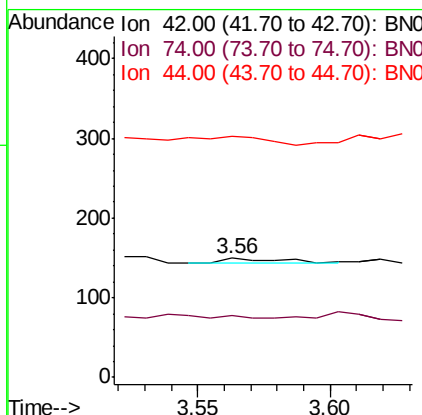
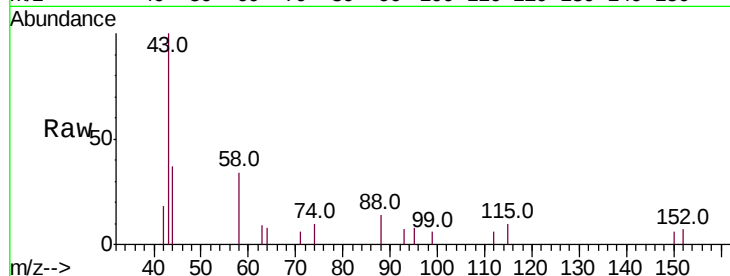




#3
n-Nitrosodimethylamine
Concen: 0.008 ng
RT: 3.56 min Scan# 91
Delta R.T. -0.01 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

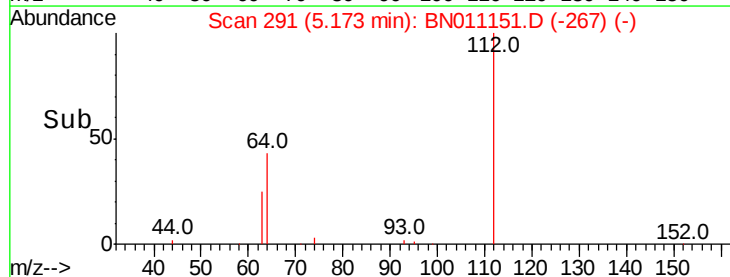
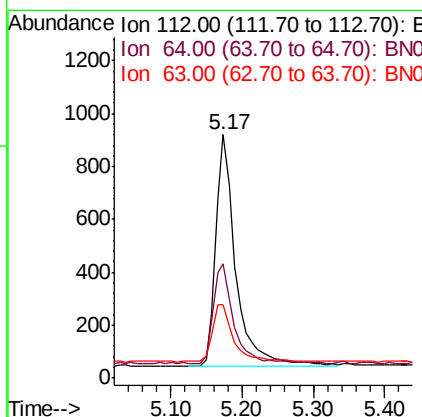
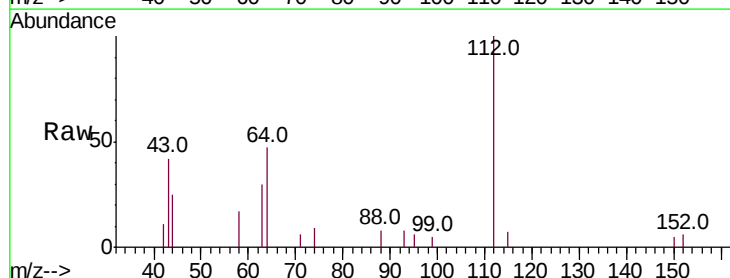
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

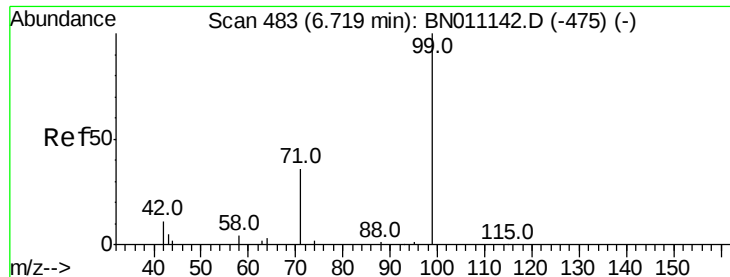
Tot Ion: 42 Resp: 12
Ion Ratio Lower Upper
42 100
74 0.0 140.9 211.3#
44 0.0 7.6 11.4#



#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.17 min Scan# 291
Delta R.T. -0.01 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

Tgt Ion: 112 Resp: 1706
Ion Ratio Lower Upper
112 100
64 44.0 36.7 55.1
63 28.0 20.4 30.6





#5

Phenol-d6

Concen: 0.260 ng

RT: 6.71 min Scan# 482

Delta R.T. -0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

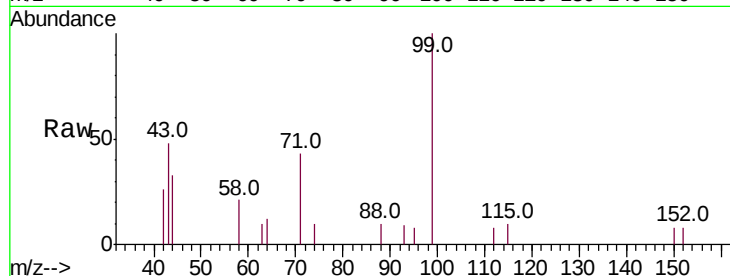
Tot Ion: 99 Resp: 1600

Ion Ratio Lower Upper

99 100

42 12.1 10.8 16.2

71 39.8 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BN011142.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011142.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011142.D (-475) (-)

6.71

600

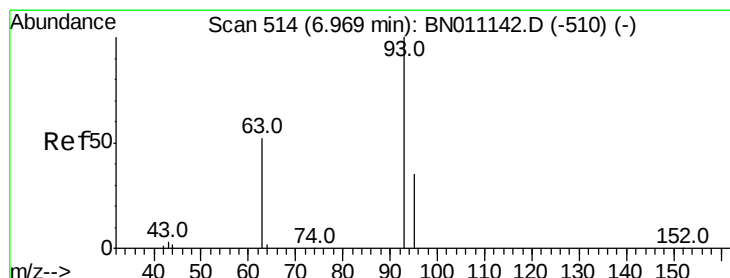
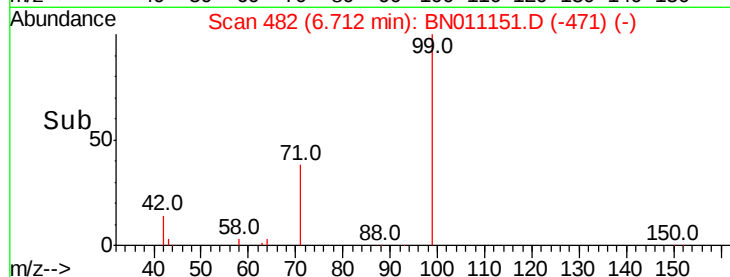
400

200

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 6.93 min Scan# 509

Delta R.T. -0.03 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

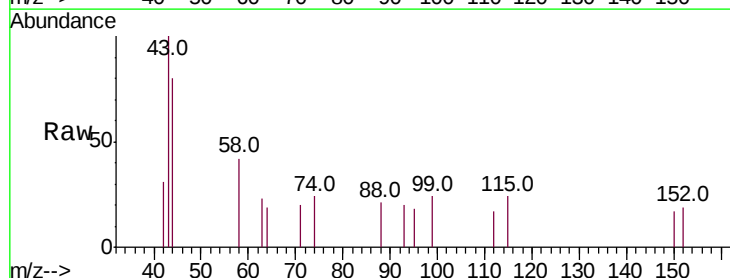
Tgt Ion: 93 Resp: 13

Ion Ratio Lower Upper

93 100

63 146.2 47.4 71.0#

95 0.0 28.1 42.1#



Abundance Ion 93.00 (92.70 to 93.70): BN011142.D (-510) (-)

Ion 63.00 (62.70 to 63.70): BN011142.D (-510) (-)

Ion 95.00 (94.70 to 95.70): BN011142.D (-510) (-)

6.93

80

60

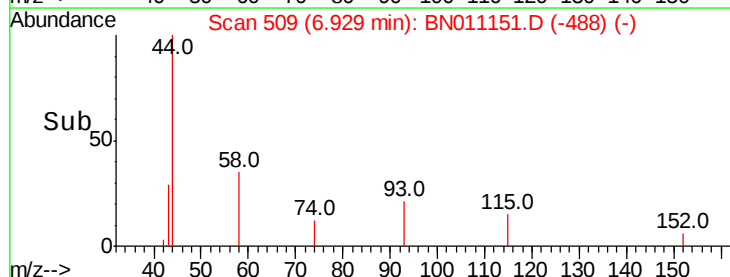
40

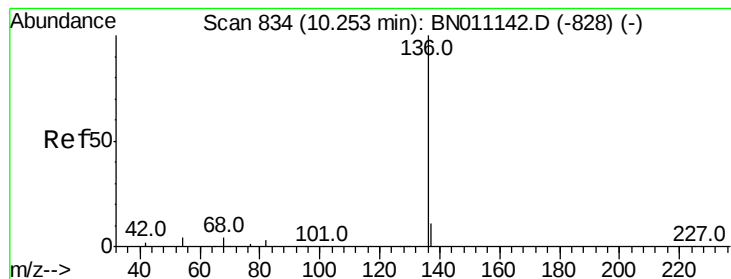
20

0

6.90 6.95

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.25 min Scan# 834

Delta R.T. 0.00 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 6474

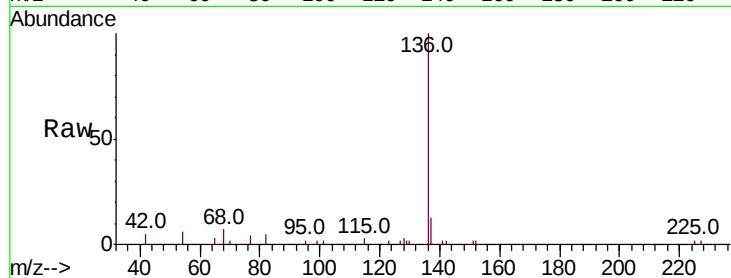
Ion Ratio Lower Upper

136 100

137 12.6 10.3 15.5

54 6.5 4.9 7.3

68 6.8 4.9 7.3

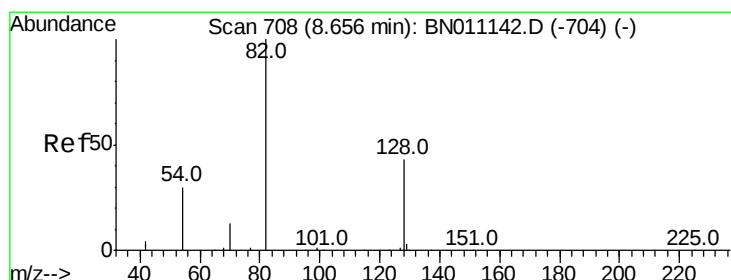
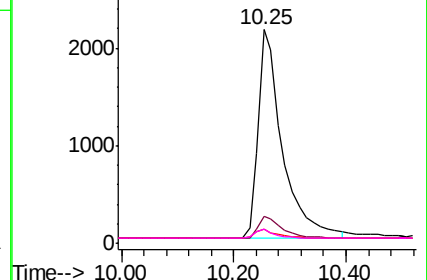
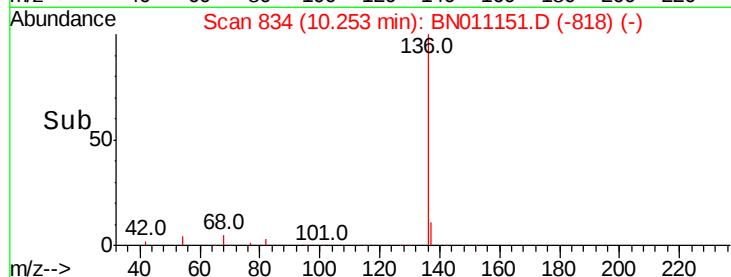


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.327 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.00 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

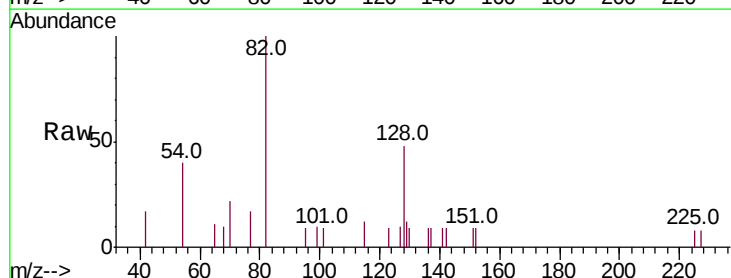
Tgt Ion: 82 Resp: 1879

Ion Ratio Lower Upper

82 100

128 48.4 38.1 57.1

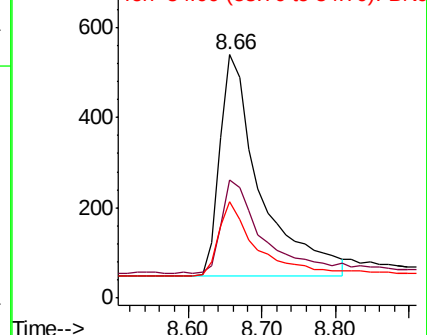
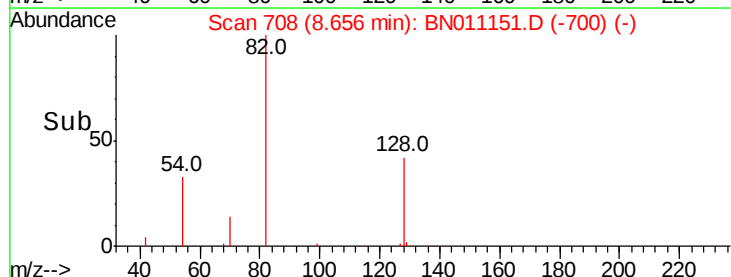
54 39.5 27.1 40.7

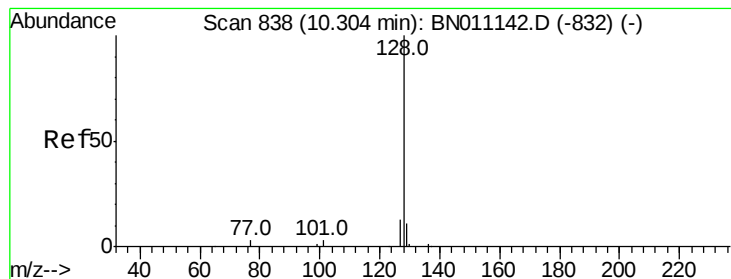


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.002 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

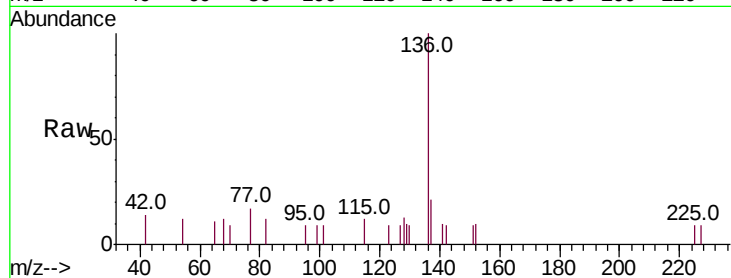
Tot Ion:128 Resp: 37

Ion Ratio Lower Upper

128 100

129 80.3 9.8 14.6#

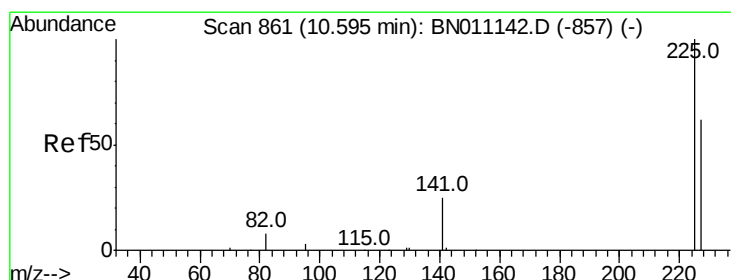
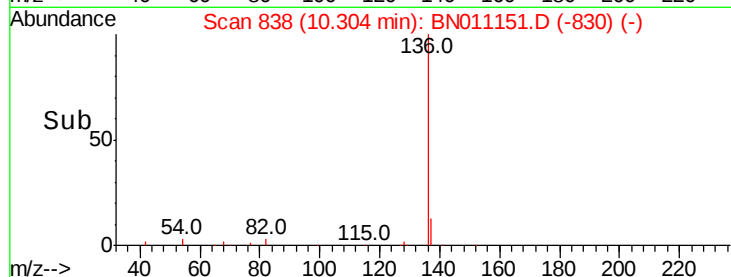
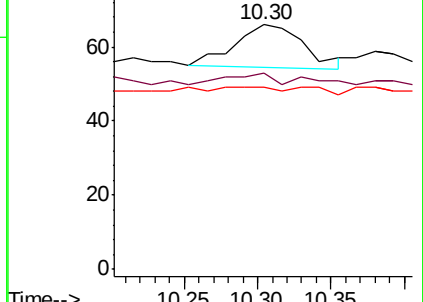
127 74.2 11.8 17.6#



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: 0.001 ng

RT: 10.54 min Scan# 857

Delta R.T. -0.05 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

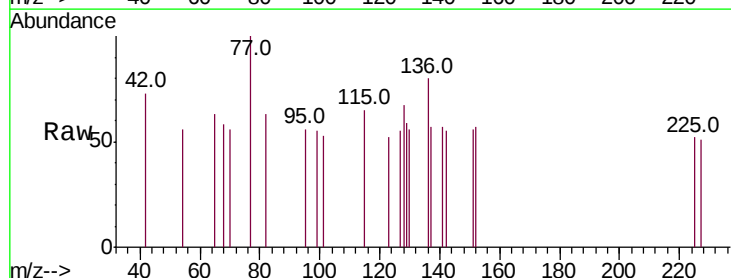
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

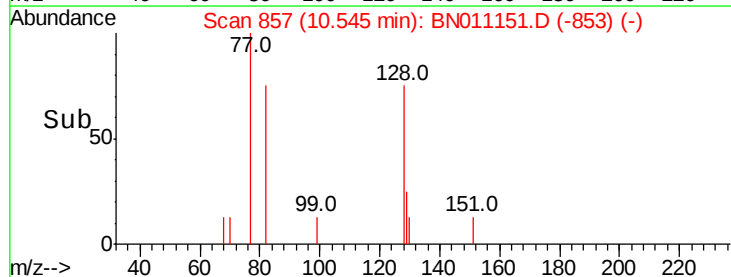
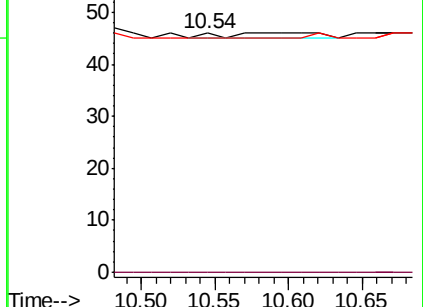
227 0.0 51.2 76.8#

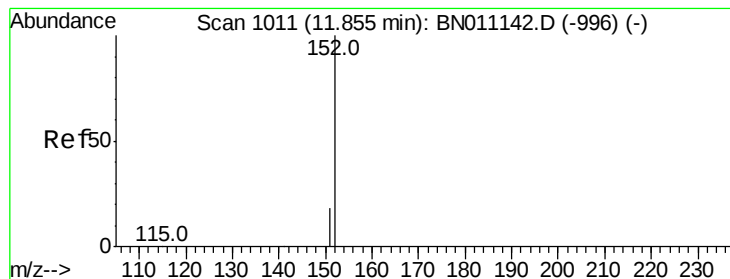


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.294 ng

RT: 11.87 min Scan# 1014

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

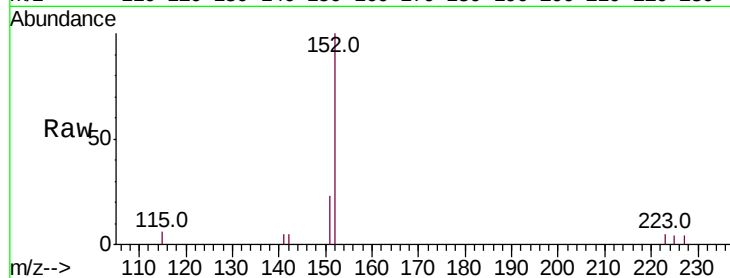
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:152 Resp: 3090

Ion Ratio Lower Upper

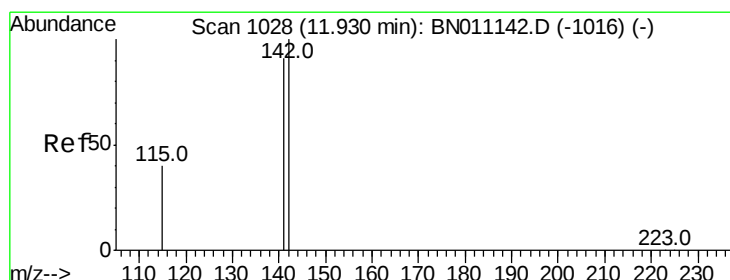
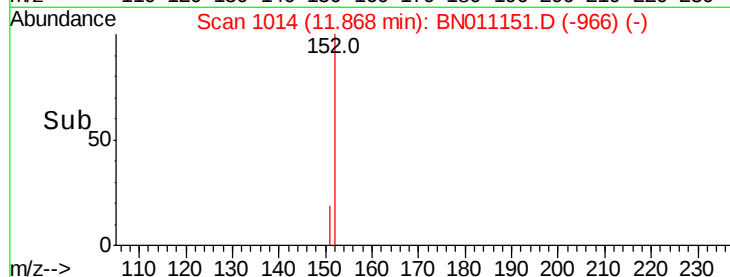
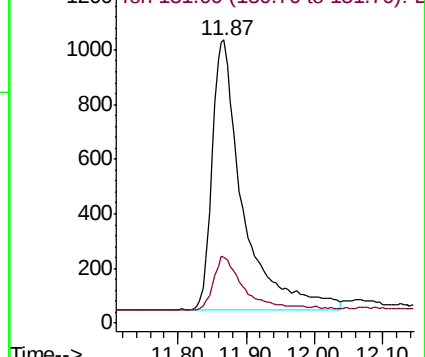
152 100

151 19.7 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.001 ng

RT: 11.94 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

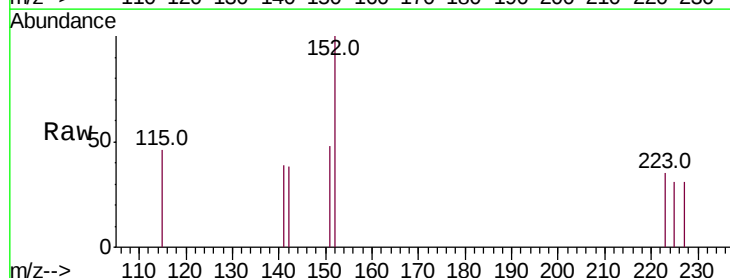
Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

142 100

141 101.8 72.7 109.1

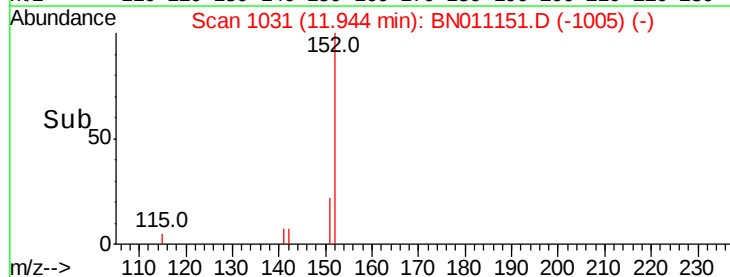
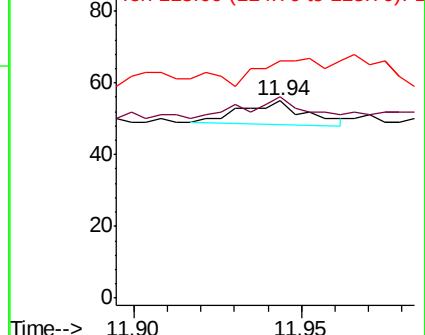
115 120.0 33.8 50.6#

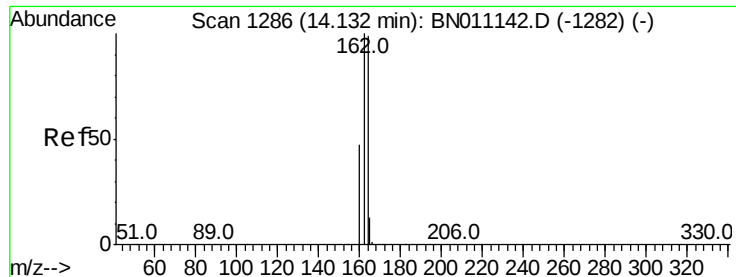


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.13 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

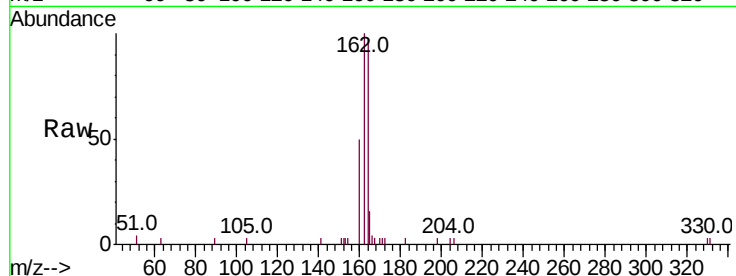
BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:164 Resp: 3467

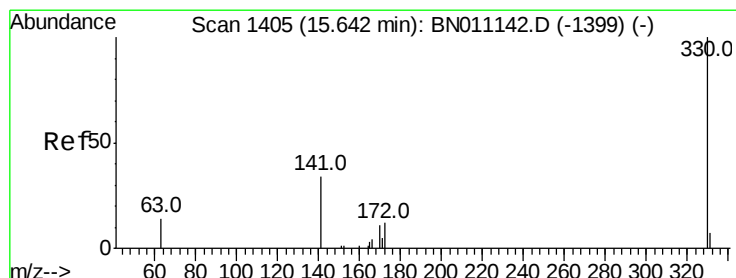
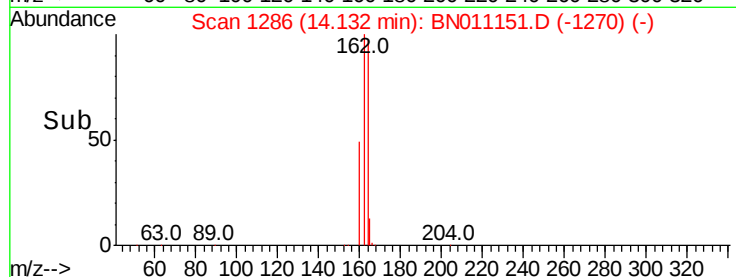
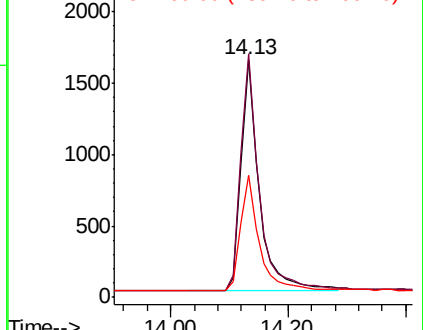
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.0	121.4
160	51.4	39.0	58.6



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: 0.260 ng

RT: 15.65 min Scan# 1406

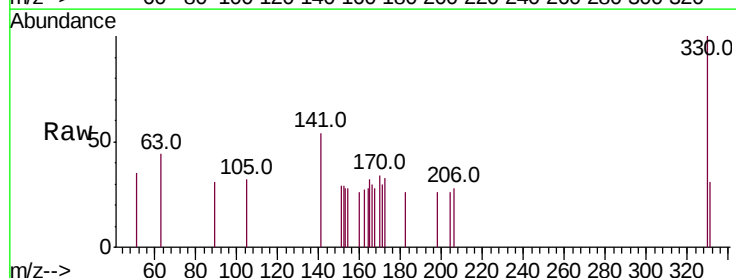
Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Tgt Ion:330 Resp: 400

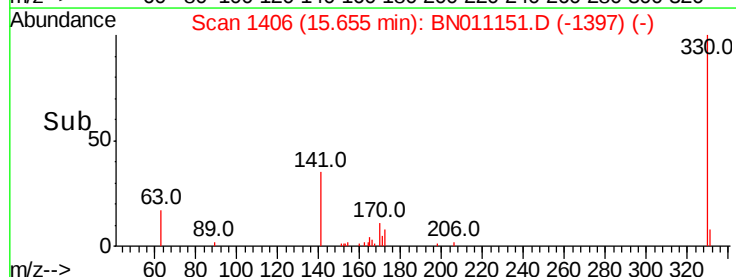
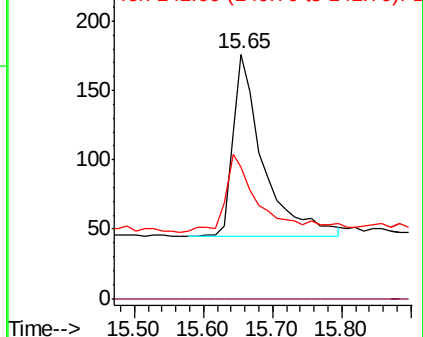
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.0	31.5	47.3

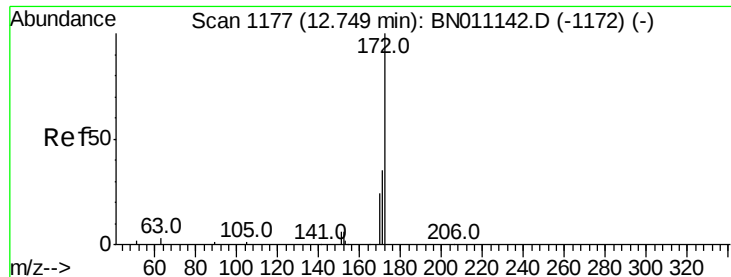


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

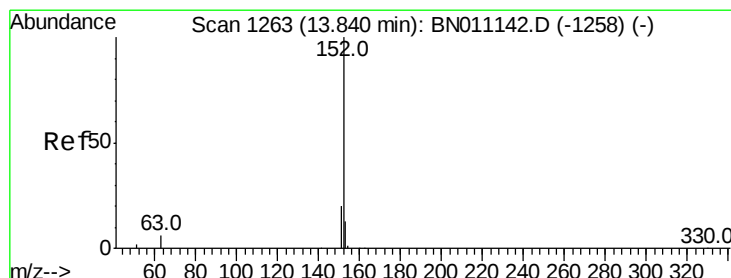
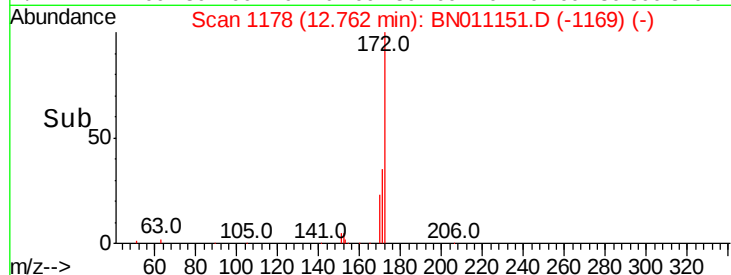
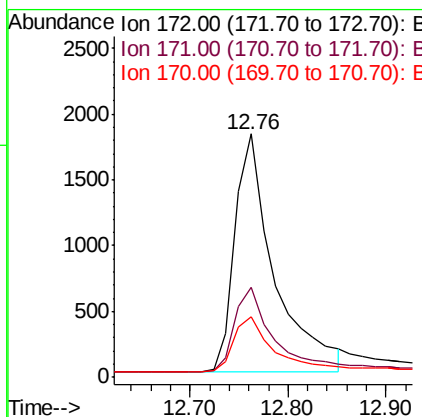
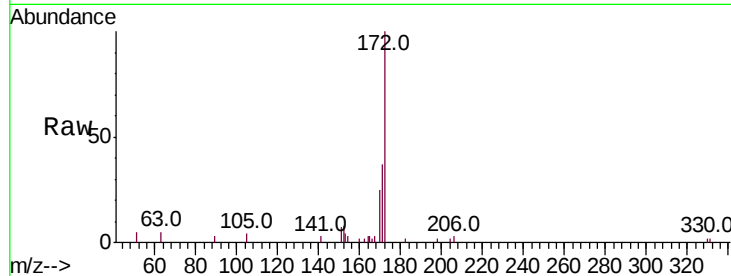




#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

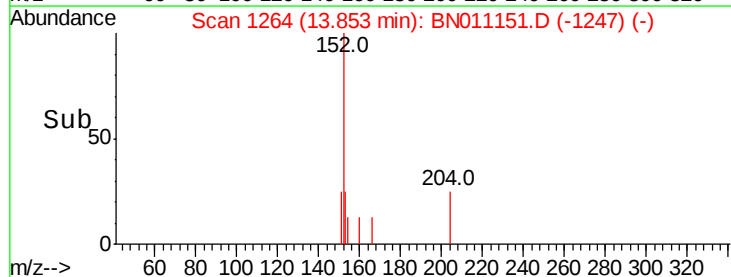
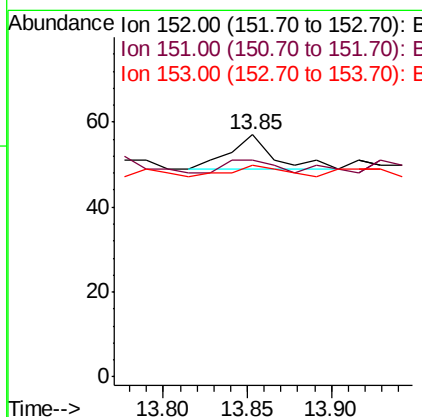
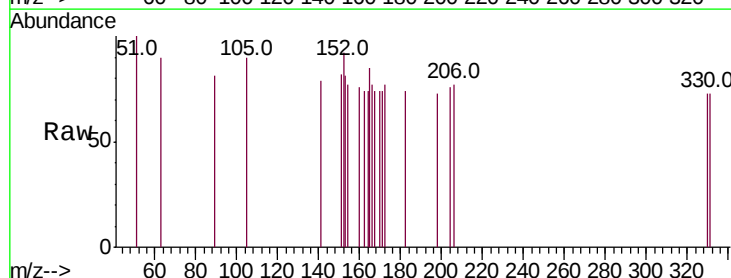
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

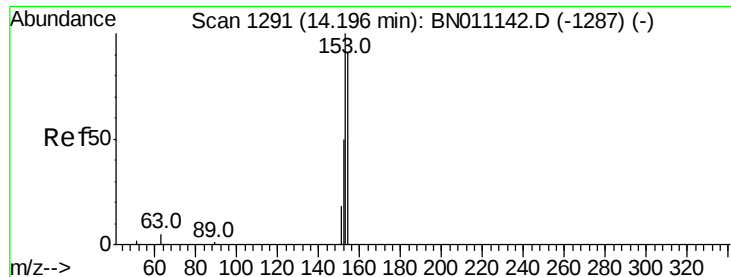
Tot Ion:172 Resp: 5004
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 24.8 20.3 30.5



#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.85 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

Tgt Ion:152 Resp: 14
Ion Ratio Lower Upper
152 100
151 42.9 15.7 23.5#
153 42.9 10.6 15.8#





#17

Acenaphthene

Concen: 0.000 ng

RT: 14.23 min Scan# 1294

Delta R.T. 0.04 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

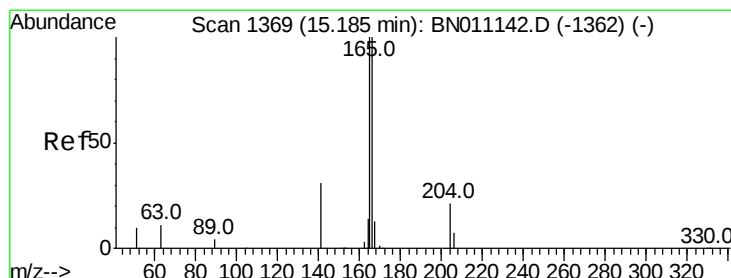
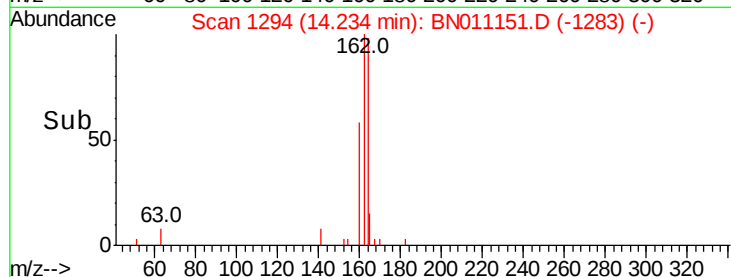
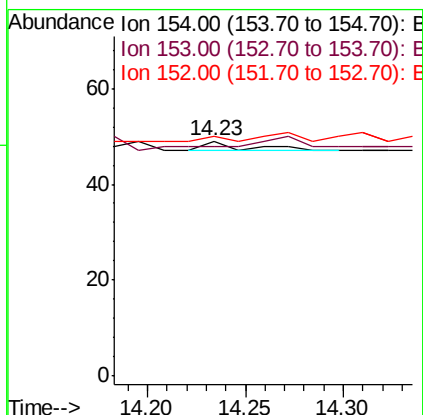
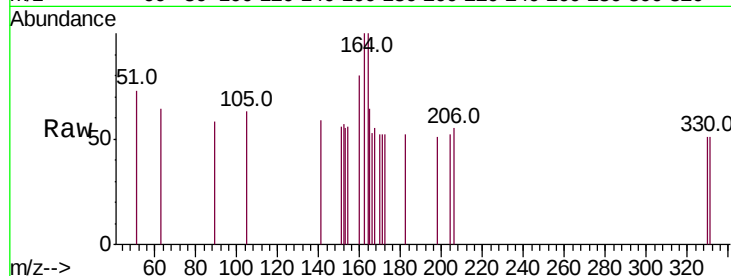
Tot Ion:154 Resp: 3

Ion Ratio Lower Upper

154 100

153 0.0 91.3 136.9#

152 0.0 46.6 69.8#



#18

Fluorene

Concen: 0.001 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.03 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

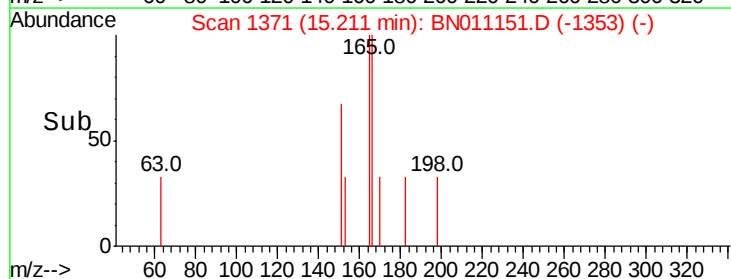
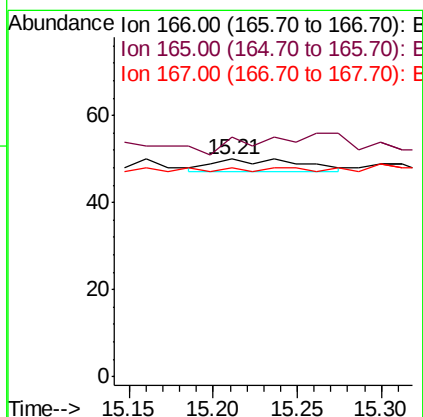
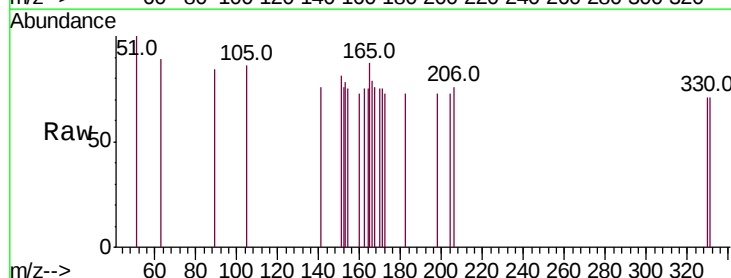
Tgt Ion:166 Resp: 11

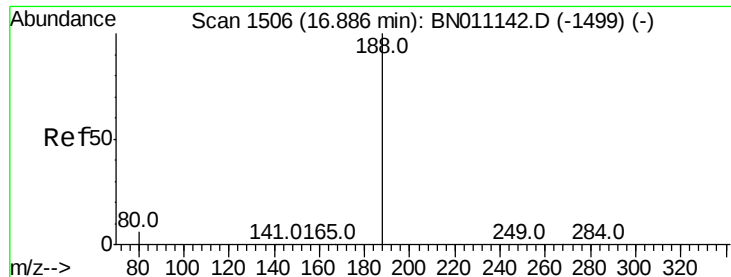
Ion Ratio Lower Upper

166 100

165 0.0 79.1 118.7#

167 18.2 10.5 15.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

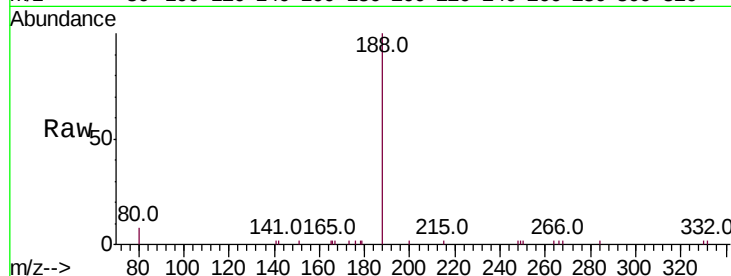
Tot Ion:188 Resp: 7162

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

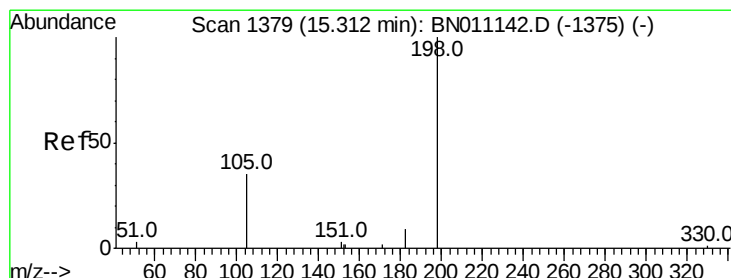
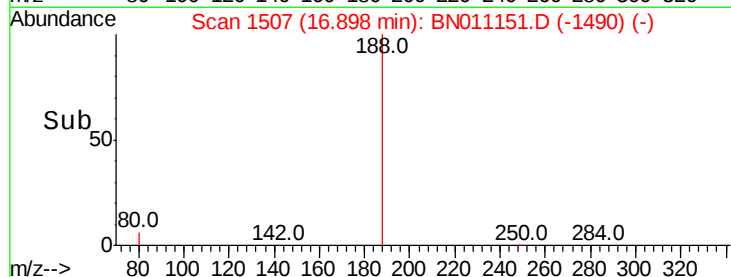
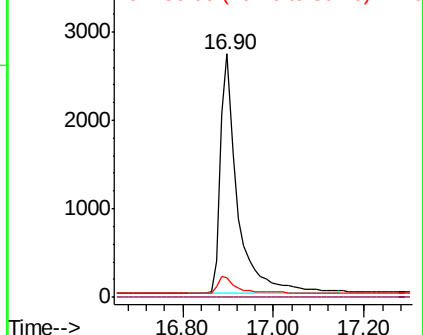
80 7.8 6.3 9.5



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: 0.135 ng

RT: 15.25 min Scan# 1374

Delta R.T. -0.06 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

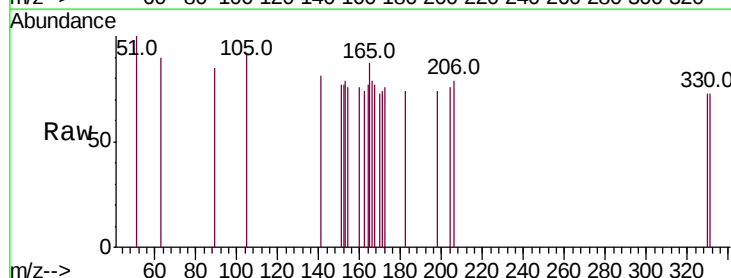
Tgt Ion:198 Resp: 2

Ion Ratio Lower Upper

198 100

51 134.8 53.1 79.7#

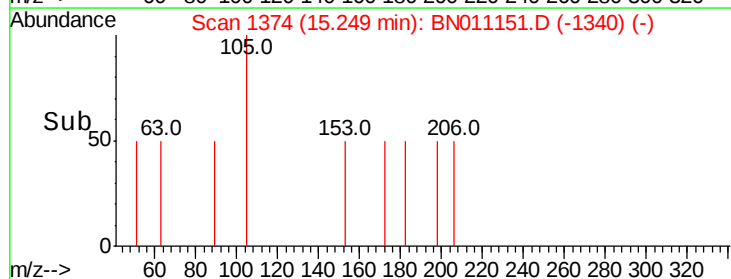
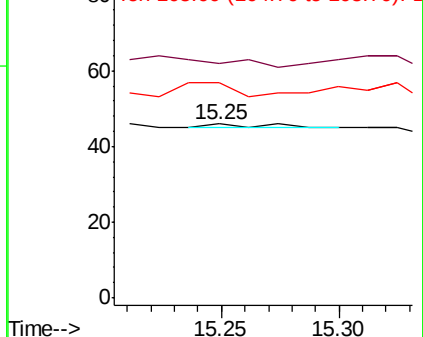
105 123.9 51.9 77.9#

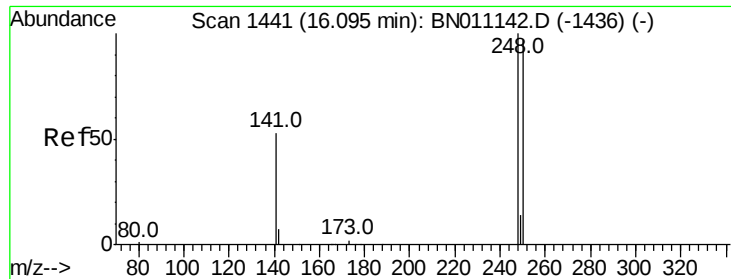


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

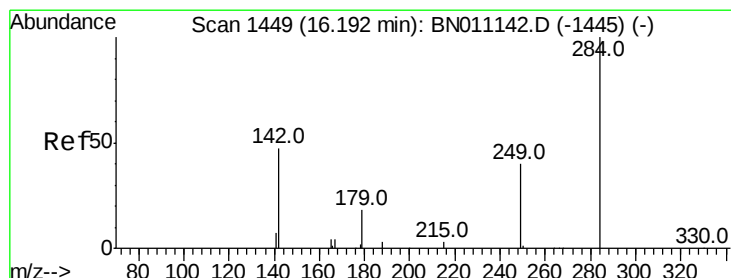
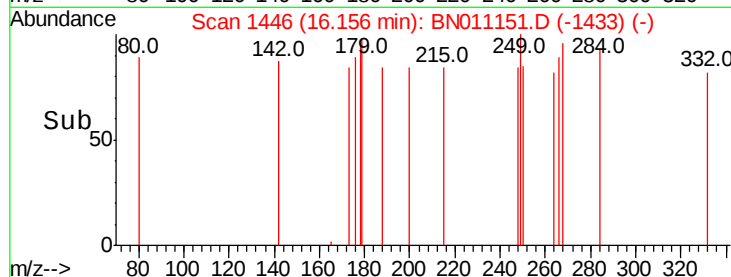
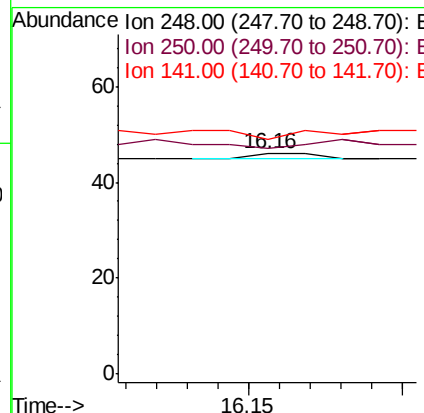
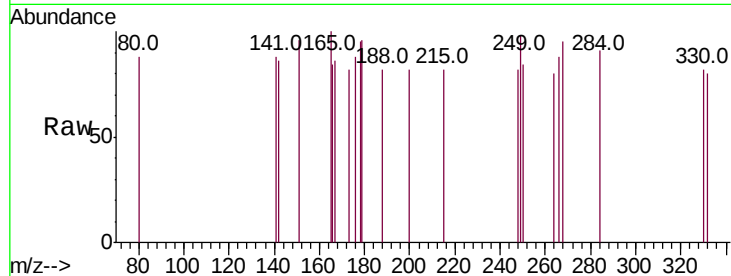




#21
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.16 min Scan# 1446
Delta R.T. 0.06 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

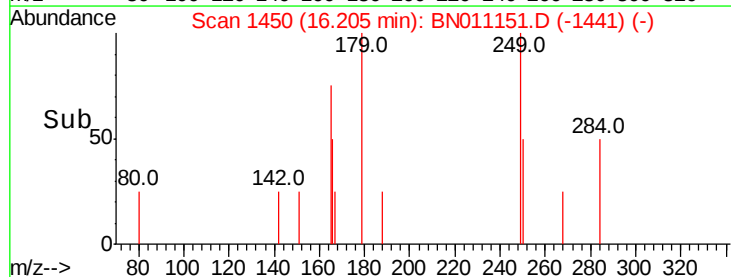
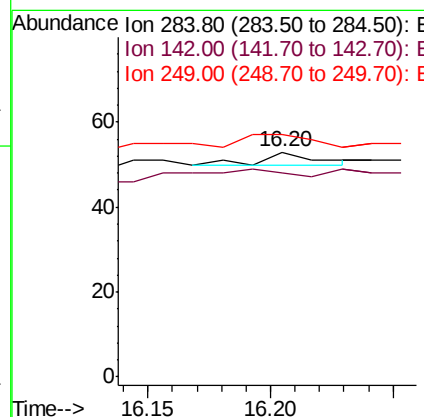
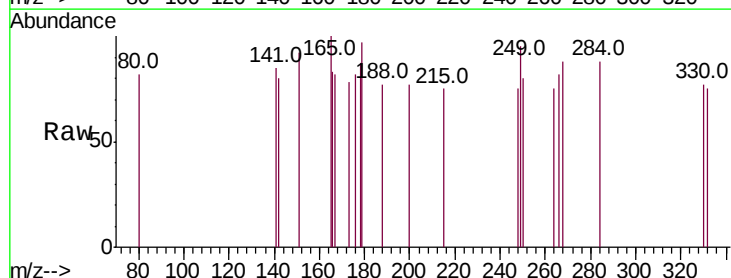
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

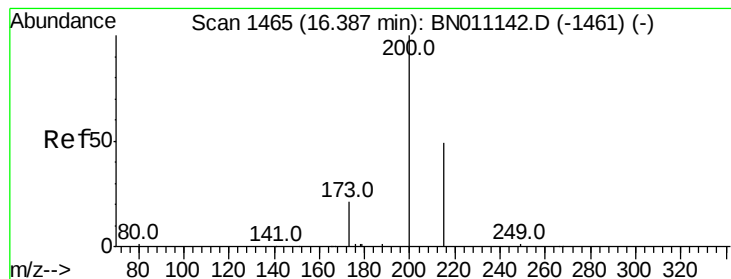
Tot Ion:248 Resp: 1
Ion Ratio Lower Upper
248 100
250 102.2 78.4 117.6
141 106.5 45.1 67.7#



#22
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.20 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BN011151.D
Acq: 13 Jul 2020 11:50

Tgt Ion:284 Resp: 4
Ion Ratio Lower Upper
284 100
142 225.0 32.6 48.8#
249 200.0 28.4 42.6#





#23

Atrazine

Concen: 0.109 ng

RT: 16.01 min Scan# 1434

Delta R.T. -0.36 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

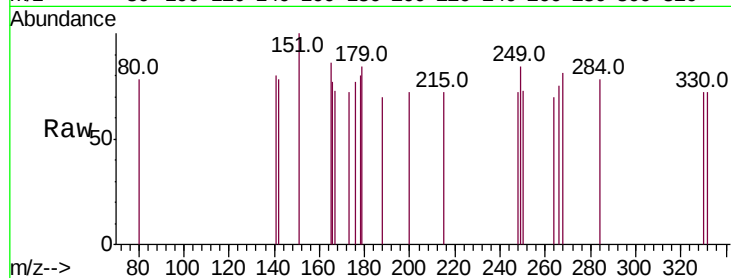
Tot Ion:200 Resp: 371

Ion Ratio Lower Upper

200 100

173 100.0 23.0 34.4#

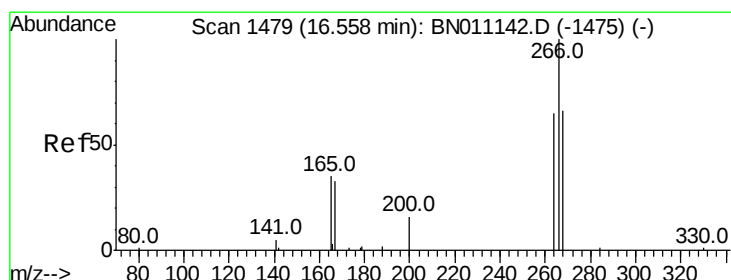
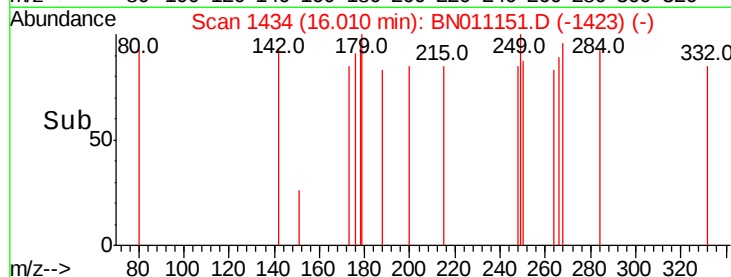
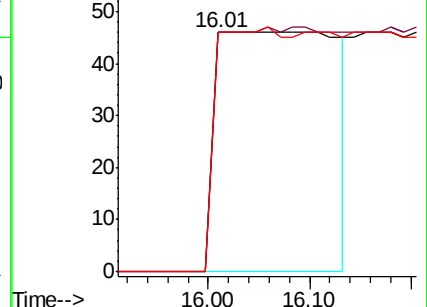
215 100.0 42.6 63.8#



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: 0.057 ng

RT: 16.57 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

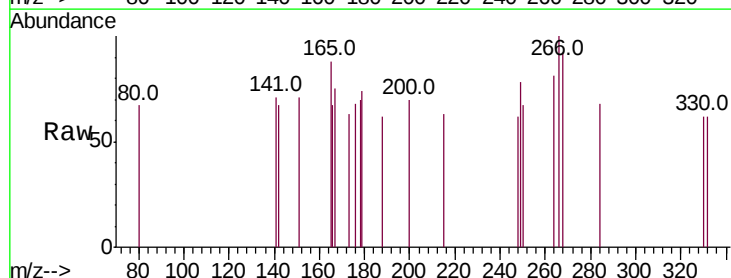
Tgt Ion:266 Resp: 95

Ion Ratio Lower Upper

266 100

264 51.6 52.5 78.7#

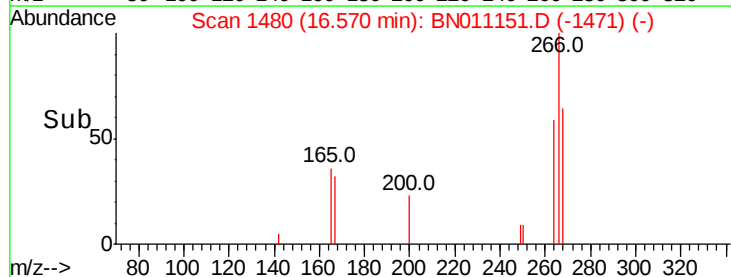
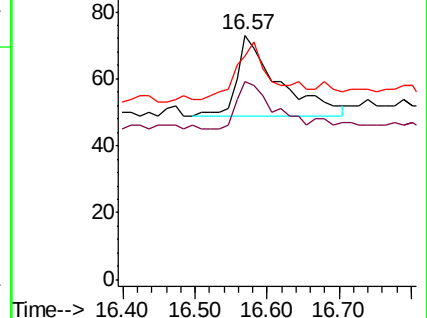
268 61.1 48.9 73.3

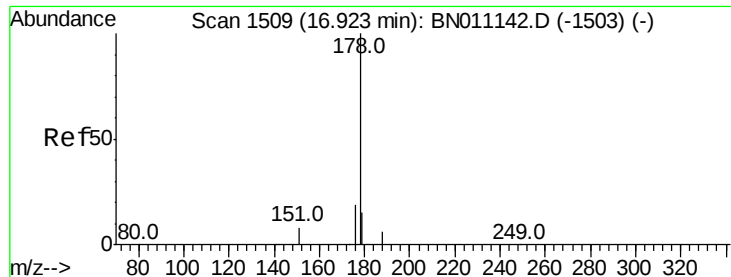


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.002 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

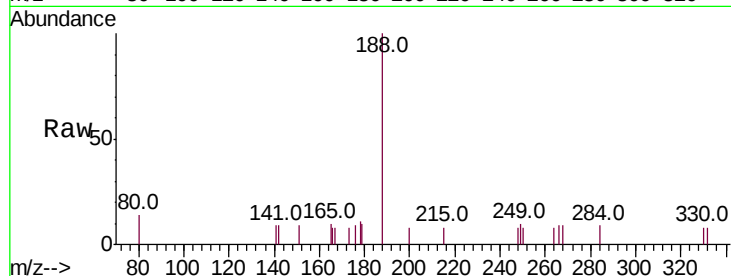
Tot Ion:178 Resp: 37

Ion Ratio Lower Upper

178 100

176 54.1 15.3 22.9#

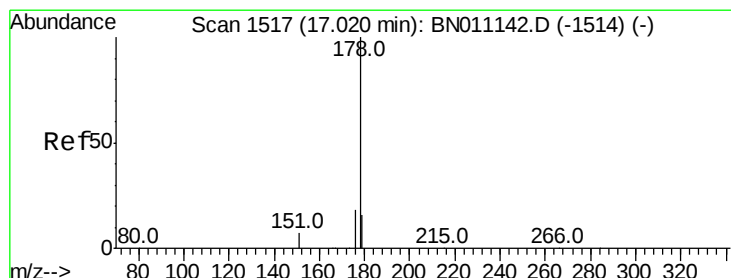
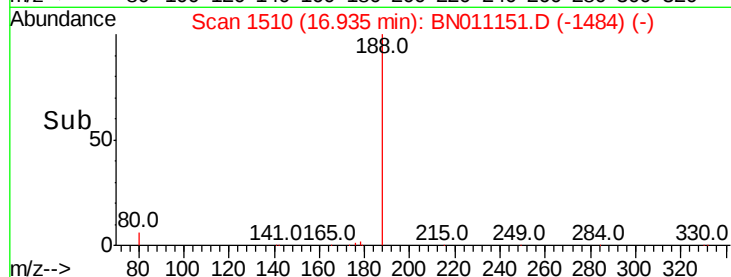
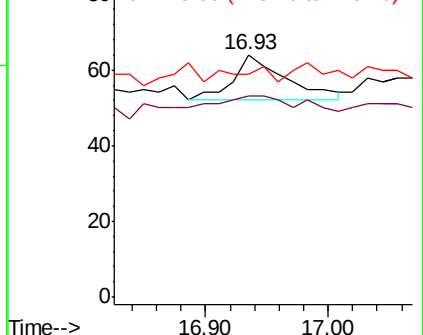
179 0.0 12.6 18.8#



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: 0.002 ng

RT: 17.03 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

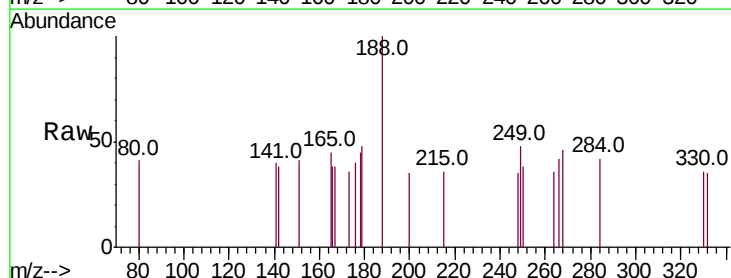
Tgt Ion:178 Resp: 29

Ion Ratio Lower Upper

178 100

176 20.7 14.5 21.7

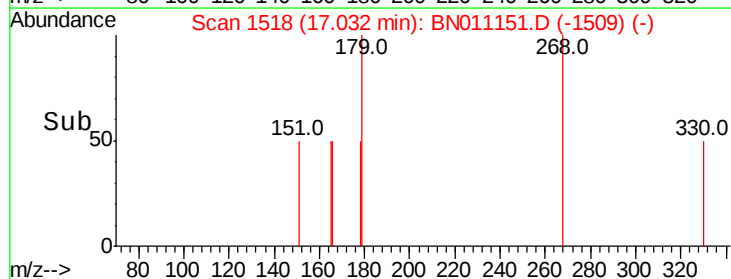
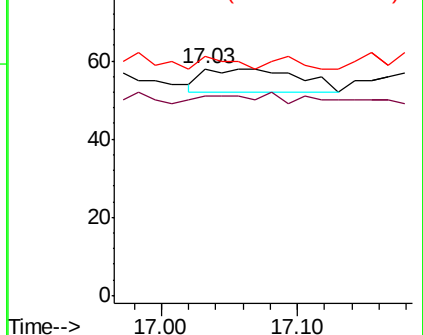
179 17.2 12.0 18.0

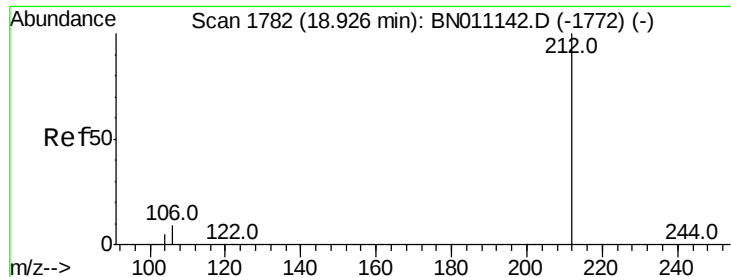


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#27

Fluoranthene-d10

Concen: 0.287 ng

RT: 18.93 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

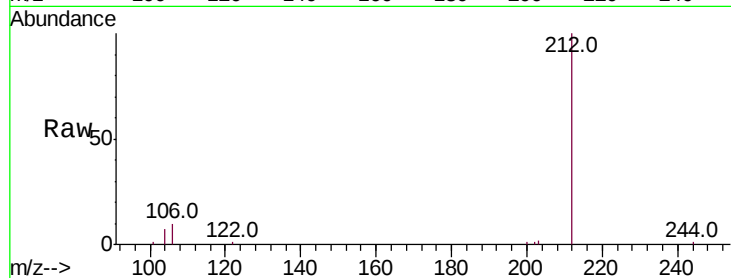
Tot Ion:212 Resp: 6484

Ion Ratio Lower Upper

212 100

106 8.6 7.0 10.6

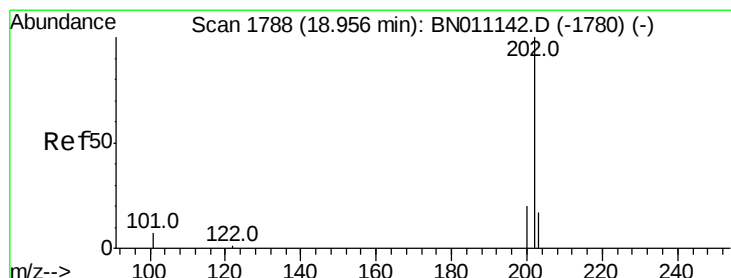
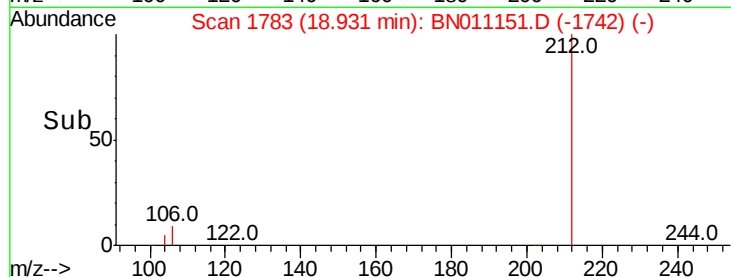
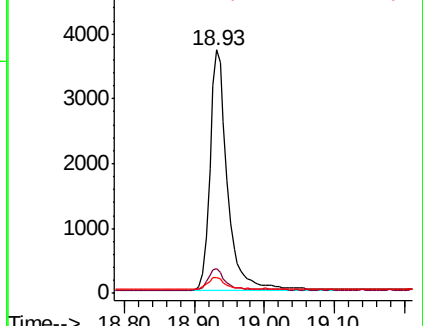
104 5.0 4.2 6.4



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: 0.001 ng

RT: 18.96 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

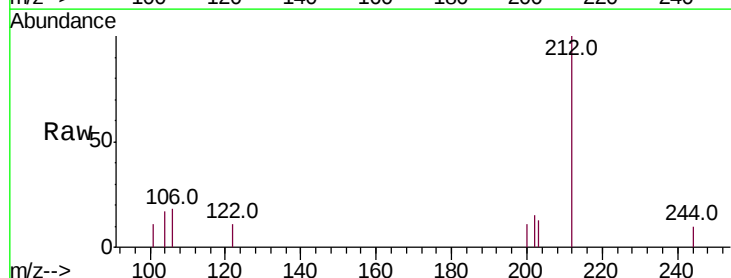
Tgt Ion:202 Resp: 31

Ion Ratio Lower Upper

202 100

101 0.0 5.9 8.9#

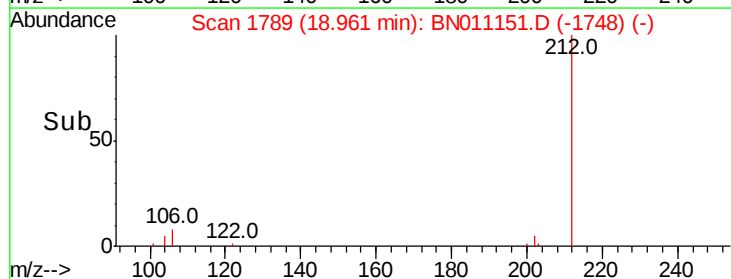
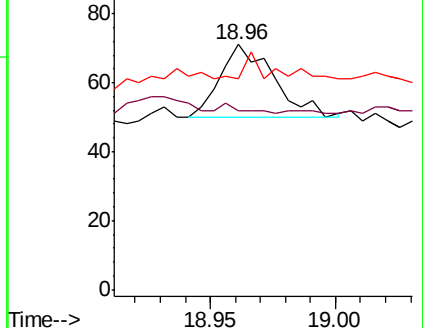
203 12.9 13.6 20.4#

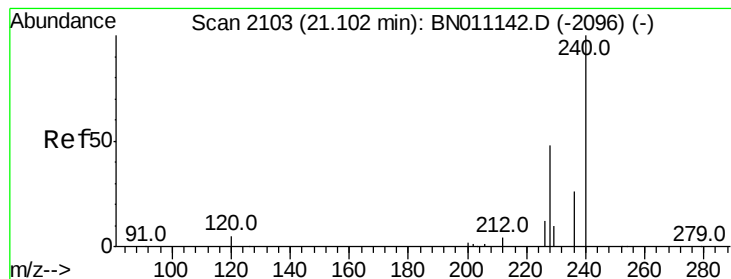


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

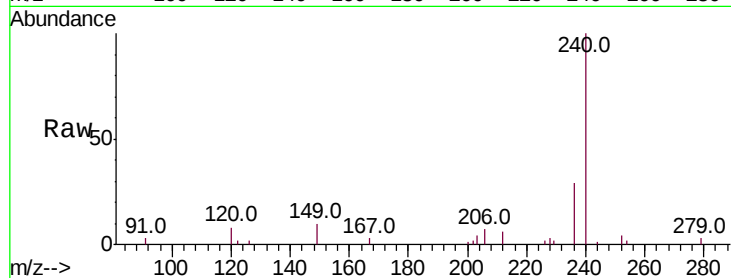
Tot Ion:240 Resp: 6287

Ion Ratio Lower Upper

240 100

120 7.9 6.5 9.7

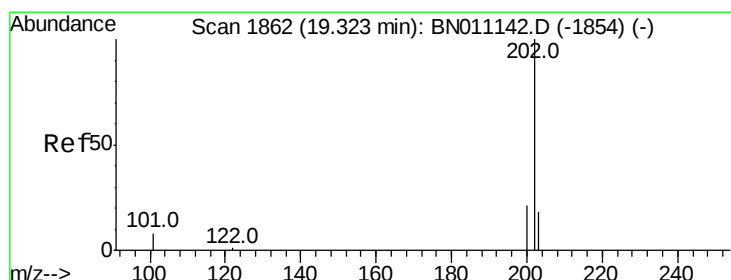
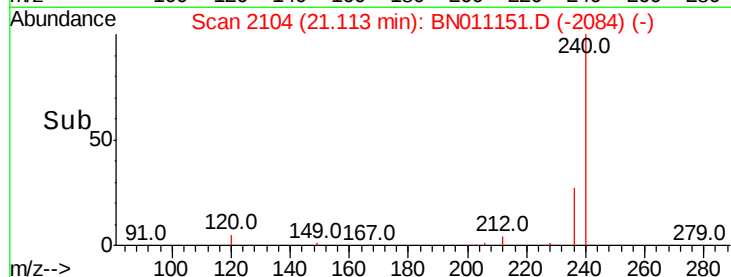
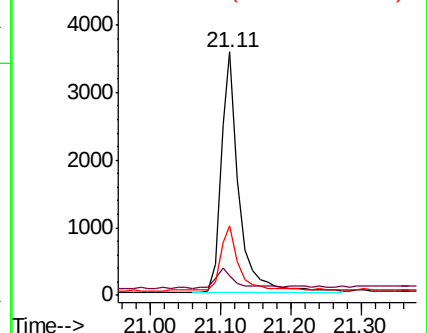
236 28.7 21.9 32.9



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: 0.002 ng

RT: 19.33 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

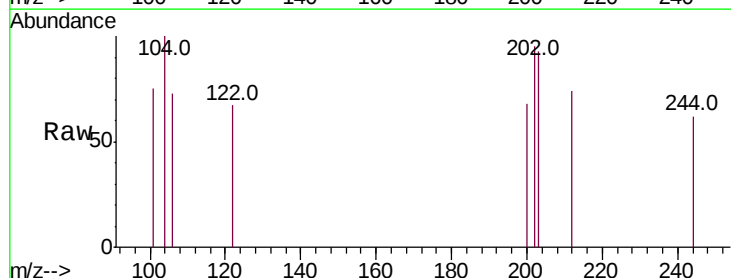
Tgt Ion:202 Resp: 38

Ion Ratio Lower Upper

202 100

200 26.3 16.5 24.7#

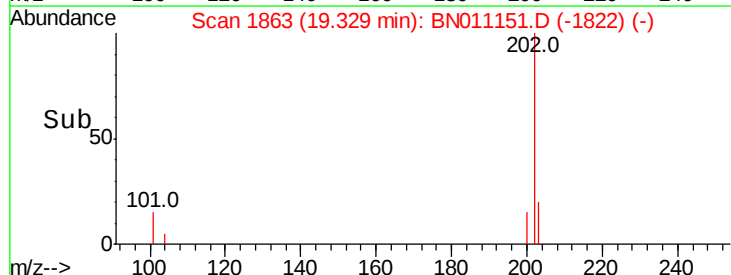
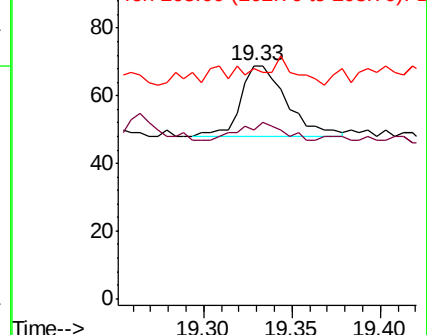
203 18.4 14.2 21.4

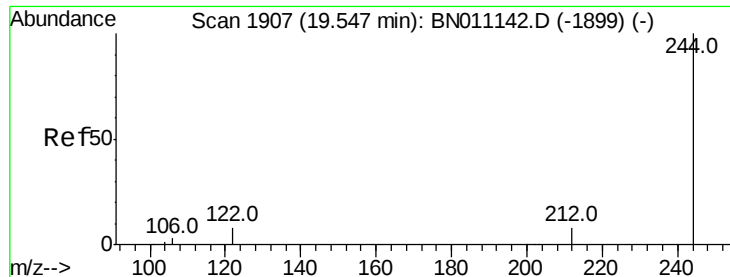


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.413 ng

RT: 19.55 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

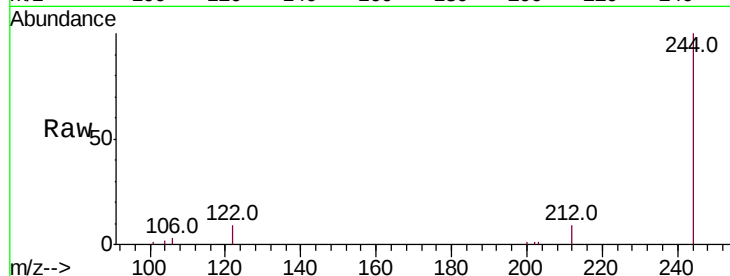
Tot Ion:244 Resp: 6757

Ion Ratio Lower Upper

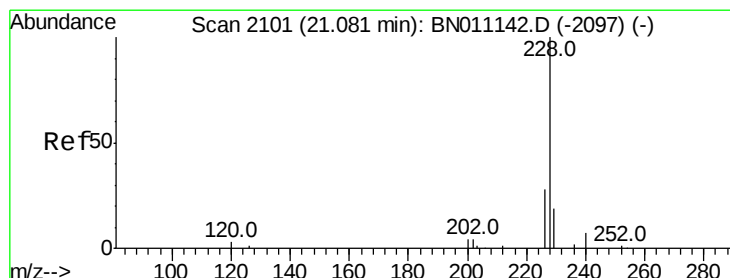
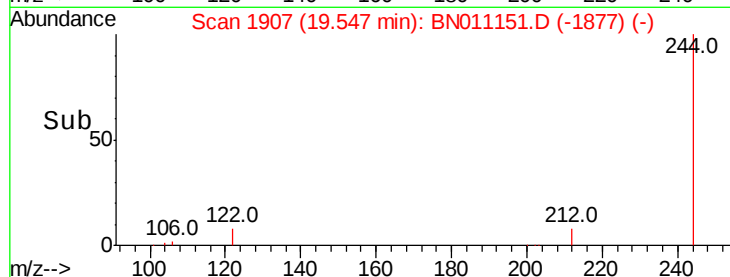
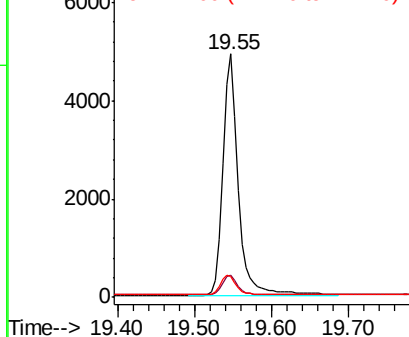
244 100

212 9.2 7.8 11.6

122 8.6 7.4 11.0



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: 0.005 ng

RT: 21.10 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

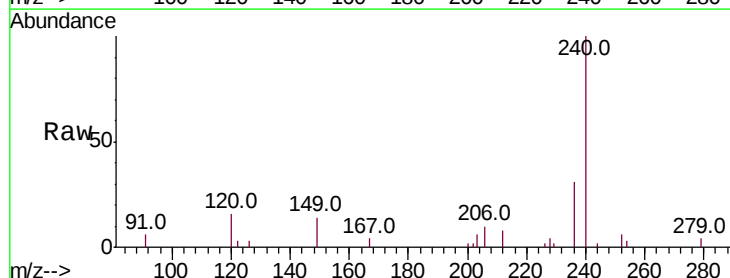
Tgt Ion:228 Resp: 112

Ion Ratio Lower Upper

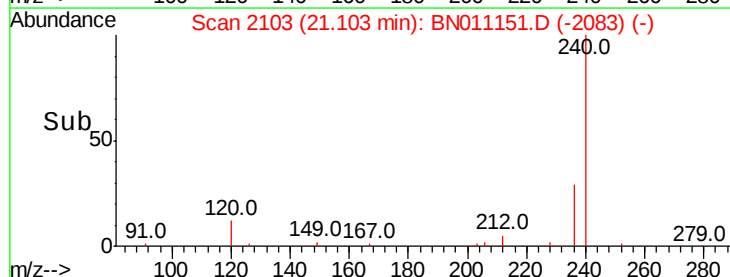
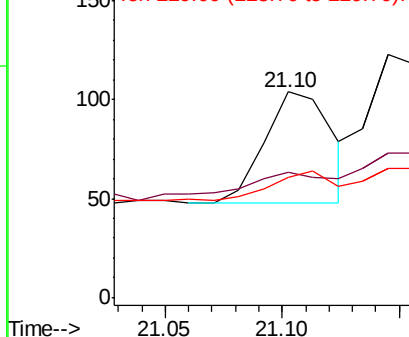
228 100

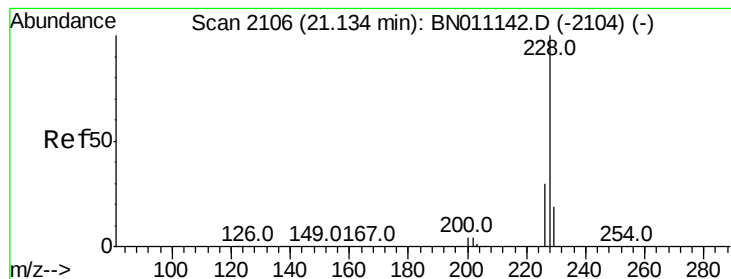
226 60.6 23.2 34.8#

229 58.7 16.2 24.4#



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: 0.007 ng

RT: 21.15 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument:

BNA_N

ClientSampleID:

LOD-MDL-SOIL-01-QT3-2020

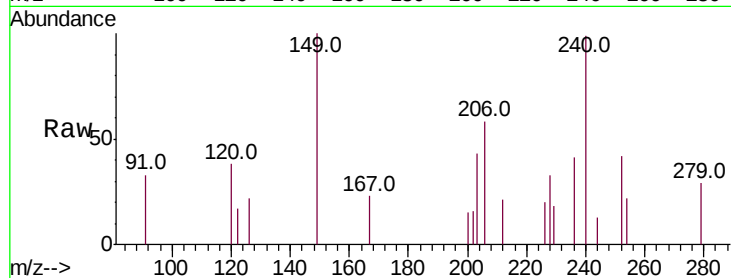
Tot Ion: 228 Resp: 168

Ion Ratio Lower Upper

228 100

226 59.3 24.0 36.0#

229 52.8 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.15

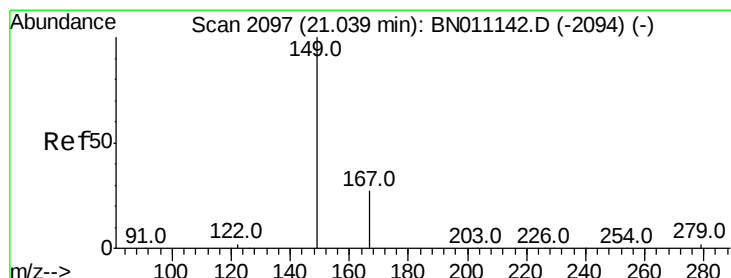
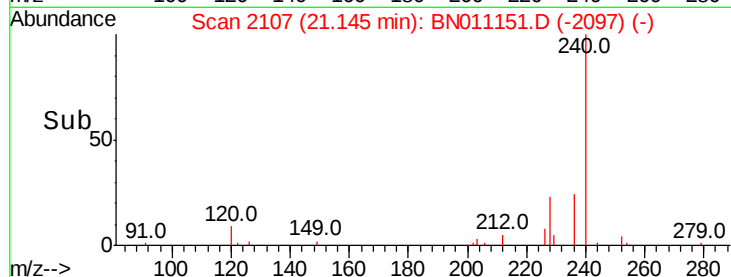
100

50

0

21.10 21.20

Time-->



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.014 ng

RT: 21.05 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

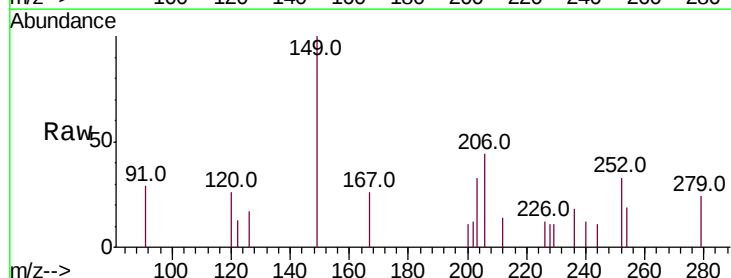
Tgt Ion: 149 Resp: 120

Ion Ratio Lower Upper

149 100

167 31.7 23.4 35.0

279 18.3 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

600

500

400

300

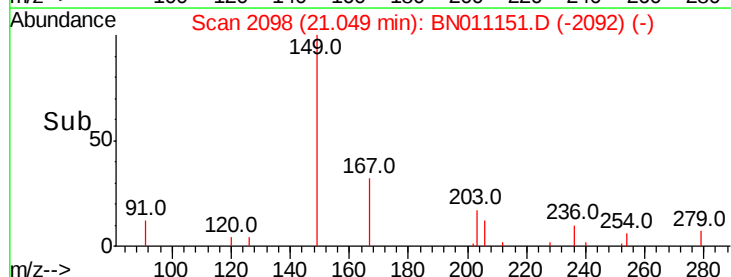
200

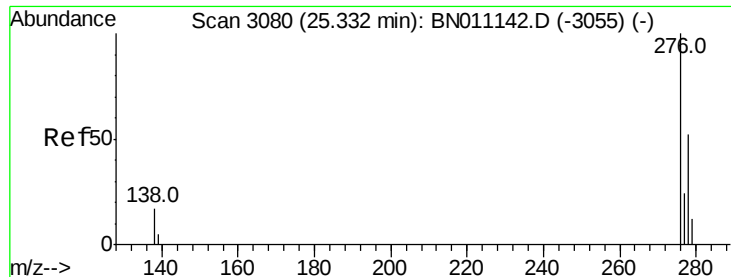
100

0

21.05

Time-->





#35

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 25.39 min Scan# 3096

Delta R.T. 0.05 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

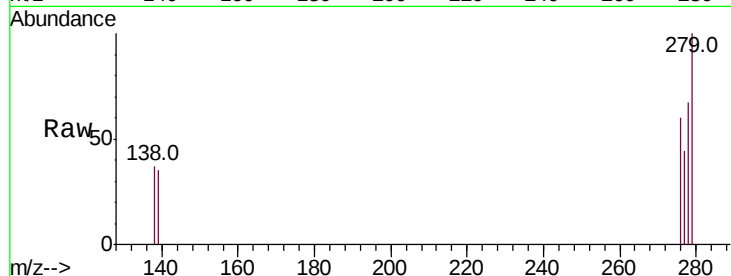
Tot Ion:276 Resp: 291

Ion Ratio Lower Upper

276 100

138 5.5 13.0 19.6#

277 21.3 19.7 29.5



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

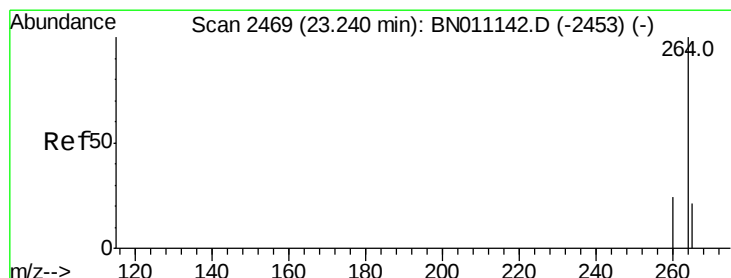
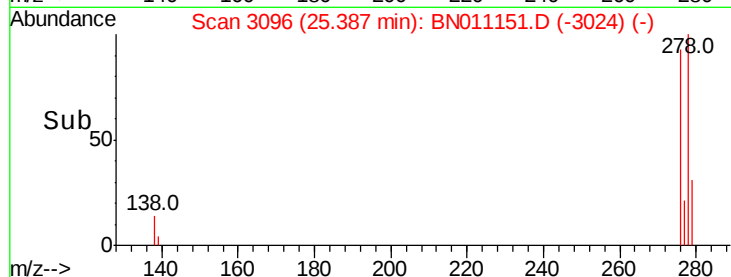
25.39

100

50

0

Time-->



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

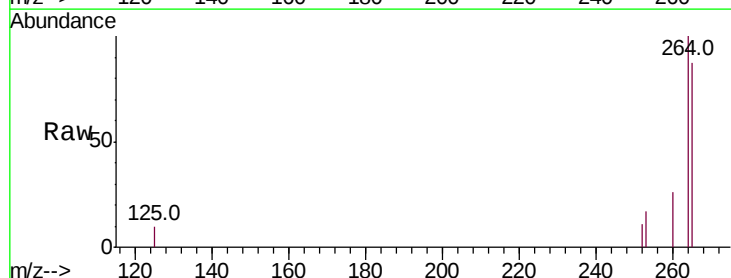
Tgt Ion:264 Resp: 6208

Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

265 87.1 76.6 115.0



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

23.25

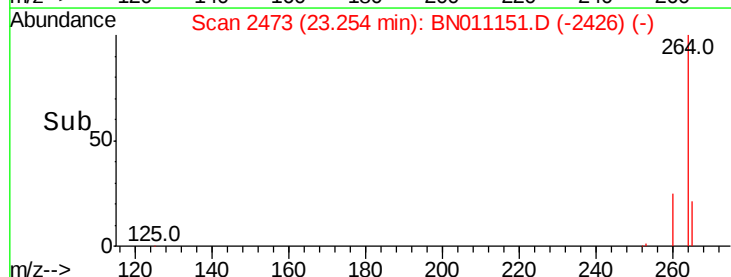
3000

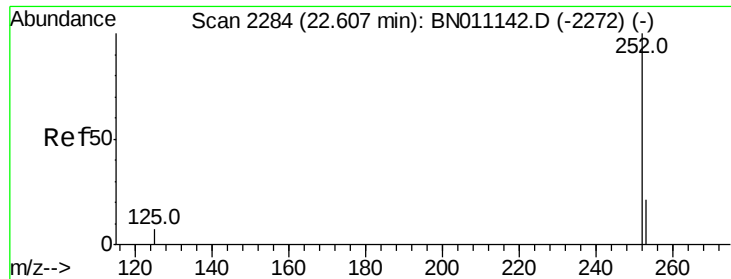
2000

1000

0

Time-->





#37

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 22.64 min Scan# 2293

Delta R.T. 0.03 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

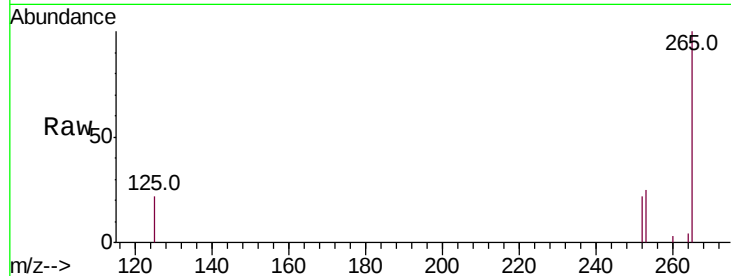
Tot Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

253 112.5 22.6 34.0#

125 101.3 9.6 14.4#



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

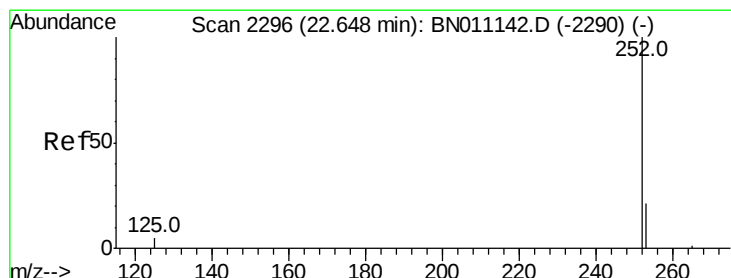
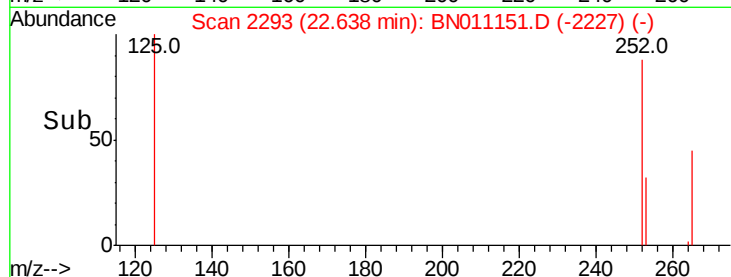
22.64

200

100

0

Time--> 22.58 22.60 22.62 22.64



#38

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 22.68 min Scan# 2304

Delta R.T. 0.02 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

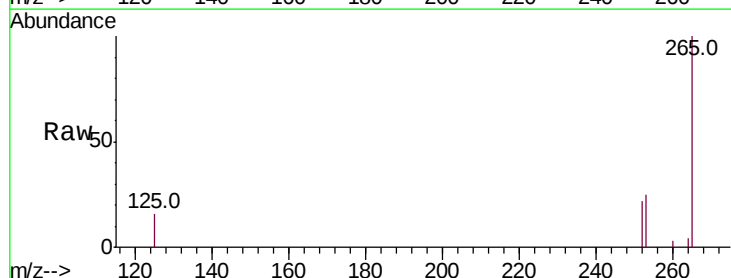
Tgt Ion:252 Resp: 111

Ion Ratio Lower Upper

252 100

253 112.2 22.2 33.4#

125 73.3 11.0 16.4#



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

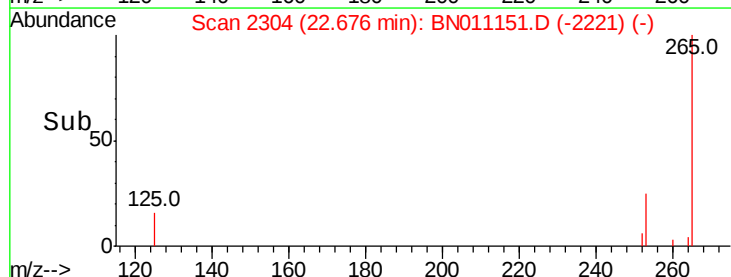
22.68

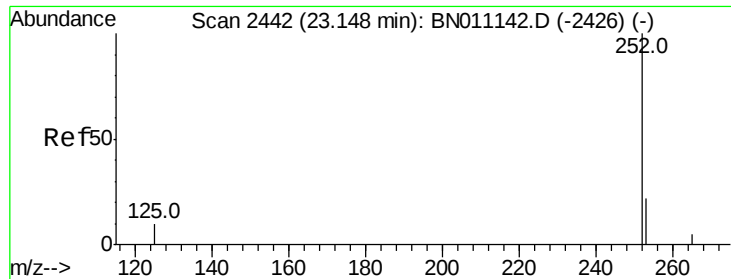
200

100

0

Time--> 22.65 22.70 22.75





#39

Benzo(a)pyrene

Concen: 0.010 ng

RT: 23.17 min Scan# 2449

Delta R.T. 0.02 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

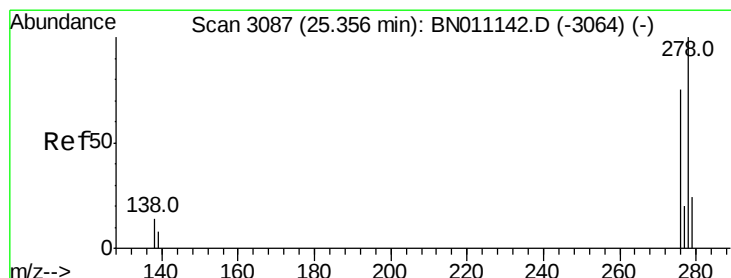
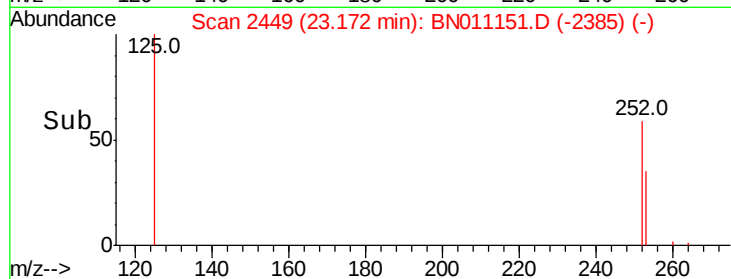
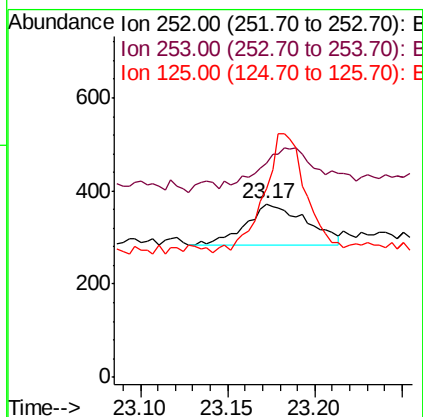
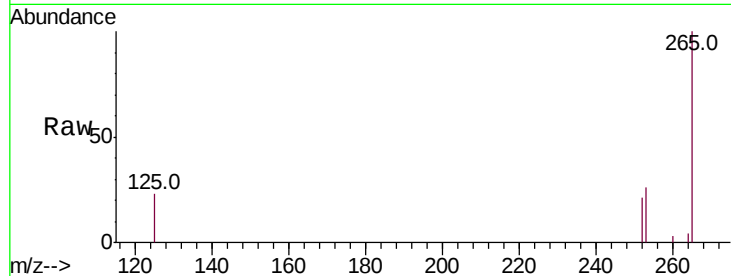
Tot Ion:252 Resp: 217

Ion Ratio Lower Upper

252 100

253 123.6 25.8 38.6#

125 108.8 13.4 20.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 25.39 min Scan# 3097

Delta R.T. 0.04 min

Lab File: BN011151.D

Acq: 13 Jul 2020 11:50

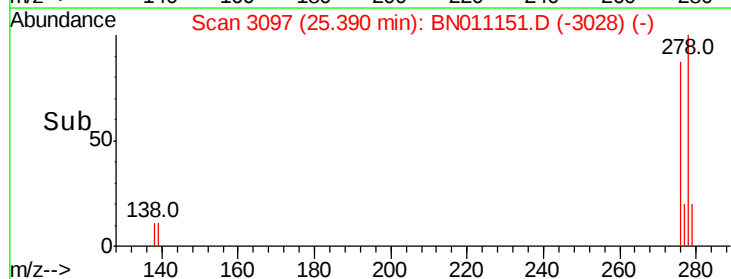
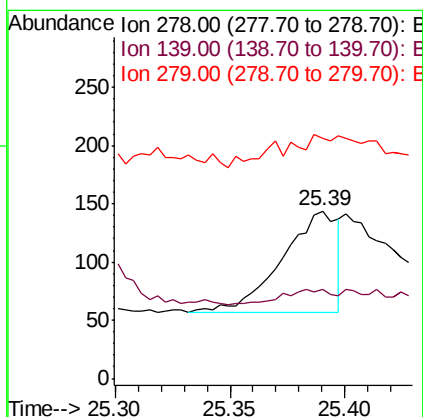
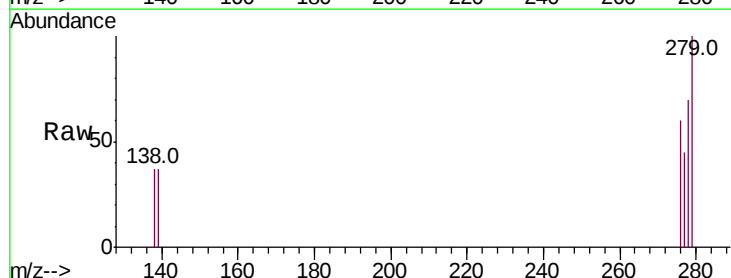
Tgt Ion:278 Resp: 145

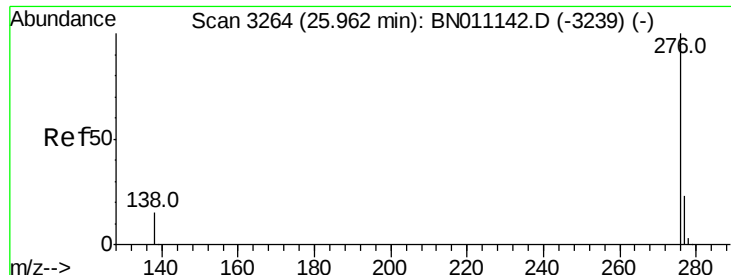
Ion Ratio Lower Upper

278 100

139 52.8 11.7 17.5#

279 143.1 25.0 37.6#





#41

Benzo(a,h,i)perylene

Concen: 0.003 ng

RT: 26.00 min Scan# 3274

Delta R.T. 0.03 min

Lab File: BN011151.D

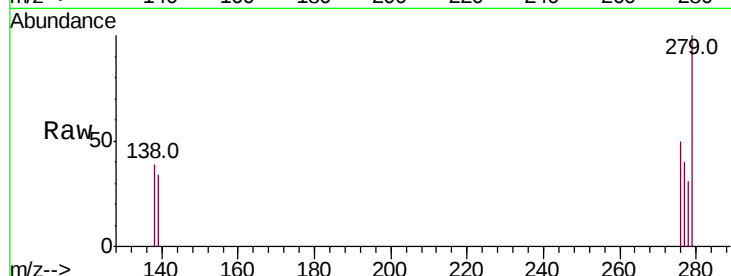
Acq: 13 Jul 2020 11:50

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020



Tot Ion: 276 Resp: 66

Ion Ratio Lower Upper

276 100

277 80.2 20.5 30.7#

138 77.1 13.8 20.6#

