

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071420\
 Data File : BN011164.D
 Acq On : 14 Jul 2020 18:04
 Operator : CG/JU
 Sample : L3216-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 14 18:34:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 15:08:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	1050	0.40	ng	0.00
7) Naphthalene-d8	10.25	136	3305	0.40	ng	0.00
13) Acenaphthene-d10	14.13	164	2139	0.40	ng	0.00
19) Phenanthrene-d10	16.88	188	5227	0.40	ng	0.00
29) Chrysene-d12	21.10	240	5198	0.40	ng	0.00
36) Perylene-d12	23.23	264	5135	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.15	112	978	0.38	ng	0.00
5) Phenol-d6	6.70	99	1196	0.41	ng	0.00
8) Nitrobenzene-d5	8.65	82	970	0.33	ng	0.02
11) 2-Methylnaphthalene-d10	11.85	152	2103	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	384	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.75	172	3091	0.31	ng	0.00
27) Fluoranthene-d10	18.92	212	6193	0.38	ng	0.00
31) Terphenyl-d14	19.54	244	5098	0.38	ng	0.00

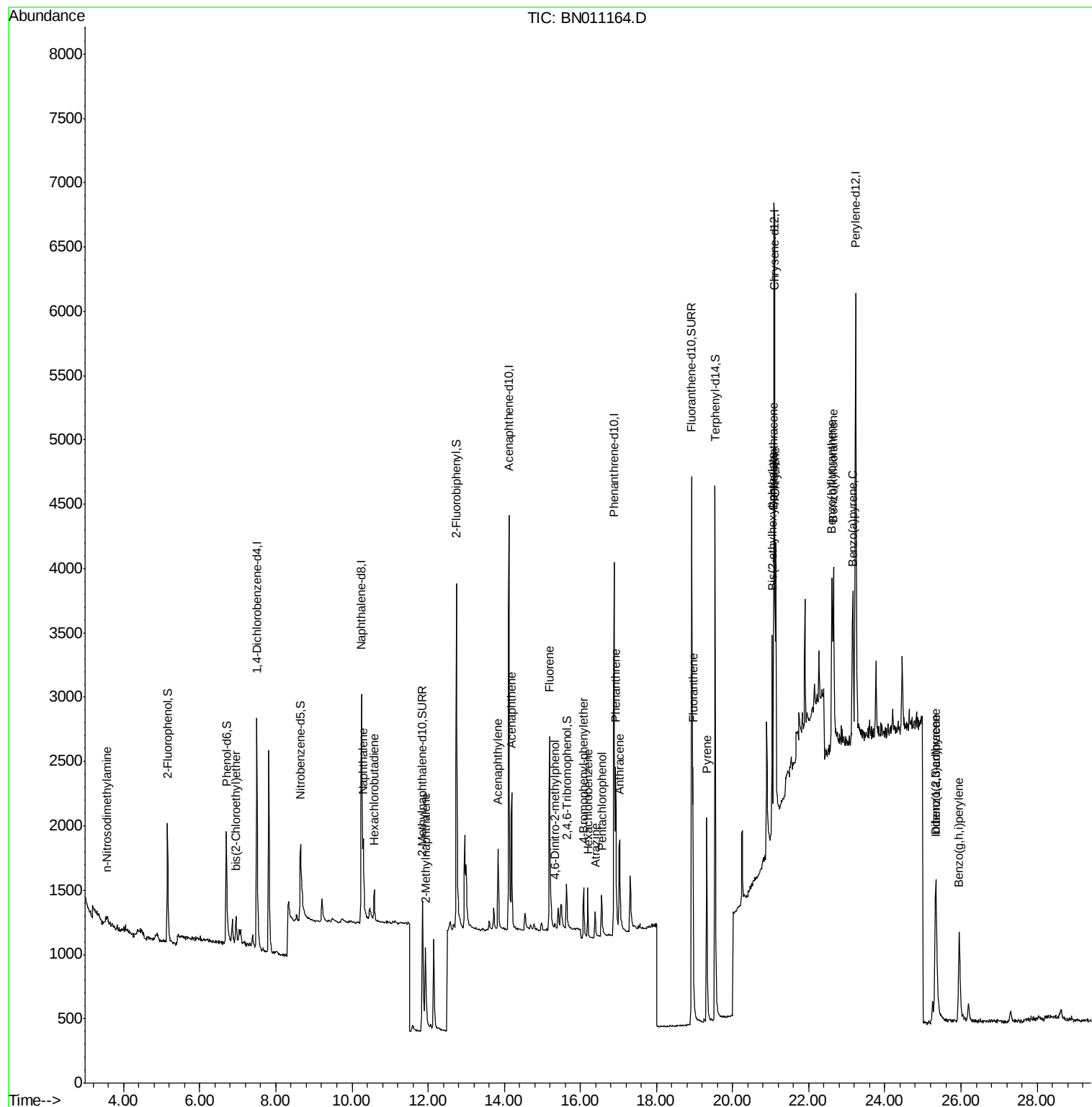
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.56	42	66	0.087	ng	# 97
6) bis(2-Chloroethyl)ether	6.95	93	244	0.091	ng	99
9) Naphthalene	10.30	128	889	0.090	ng	# 78
10) Hexachlorobutadiene	10.59	225	202	0.083	ng	# 100
12) 2-Methylnaphthalene	11.93	142	619	0.100	ng	# 95
16) Acenaphthylene	13.84	152	914	0.084	ng	99
17) Acenaphthene	14.19	154	604	0.083	ng	95
18) Fluorene	15.19	166	862	0.093	ng	99
20) 4,6-Dinitro-2-methylphenol	15.33	198	58	0.193	ng	# 35
21) 4-Bromophenyl-phenylether	16.09	248	264	0.074	ng	# 91
22) Hexachlorobenzene	16.20	284	313	0.076	ng	92
23) Atrazine	16.38	200	250	0.100	ng	# 81
24) Pentachlorophenol	16.55	266	240	0.196	ng	99
25) Phenanthrene	16.92	178	1446	0.086	ng	100
26) Anthracene	17.03	178	1149	0.082	ng	98
28) Fluoranthene	18.95	202	1818	0.090	ng	99
30) Pyrene	19.32	202	1809	0.091	ng	99
32) Benzo(a)anthracene	21.08	228	1608	0.095	ng	94
33) Chrysene	21.13	228	1878	0.091	ng	95
34) Bis(2-ethylhexyl)phthalate	21.04	149	1000	0.144	ng	99
35) Indeno(1,2,3-cd)pyrene	25.33	276	1919	0.046	ng	# 90
37) Benzo(b)fluoranthene	22.60	252	1678	0.081	ng	# 65
38) Benzo(k)fluoranthene	22.65	252	2026	0.087	ng	# 64
39) Benzo(a)pyrene	23.14	252	1658	0.089	ng	# 40
40) Dibenzo(a,h)anthracene	25.35	278	1434	0.073	ng	# 56
41) Benzo(g,h,i)perylene	25.95	276	1654	0.077	ng	# 82

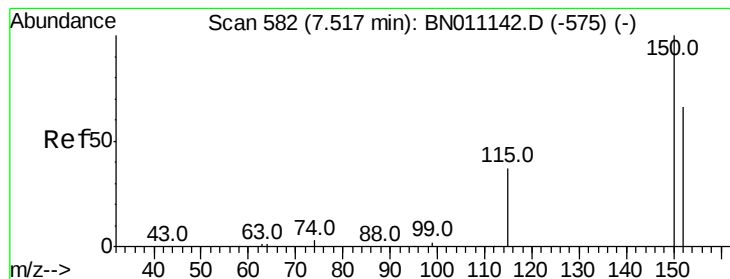
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 15:08:13 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.50 min Scan# 561

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

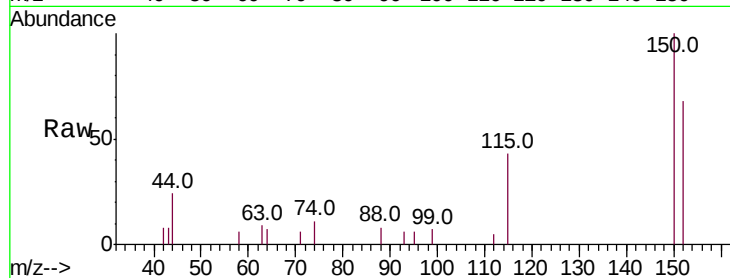
Tot Ion:152 Resp: 1050

Ion Ratio Lower Upper

152 100

150 147.6 119.4 179.0

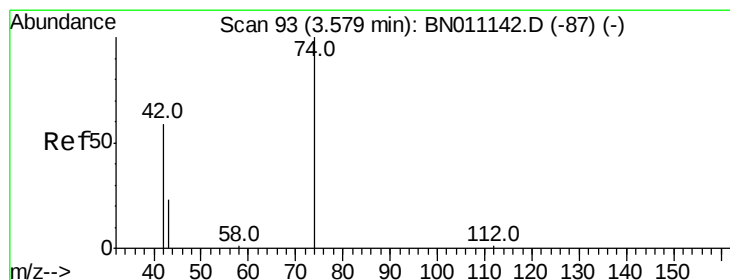
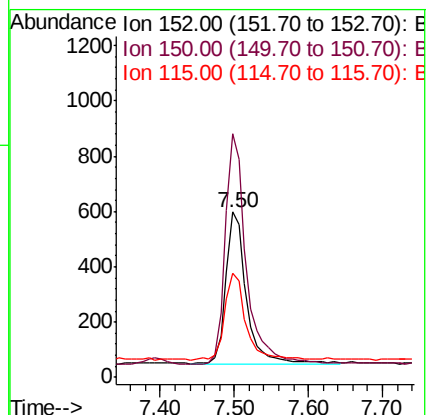
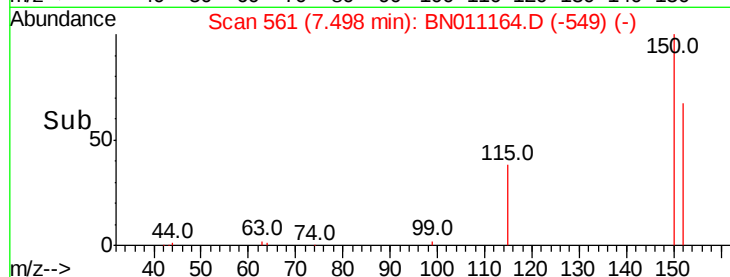
115 63.5 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.087 ng

RT: 3.56 min Scan# 72

Delta R.T. 0.05 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

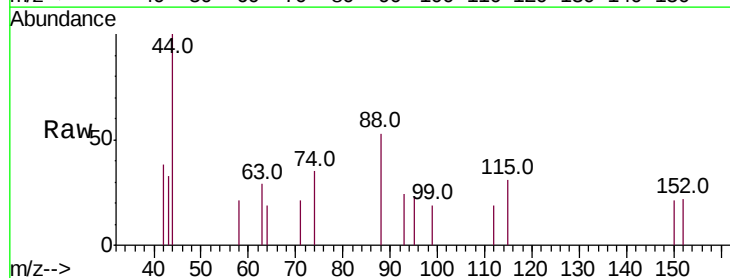
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 178.8 140.9 211.3

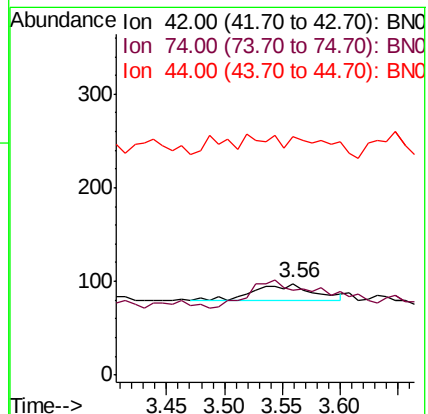
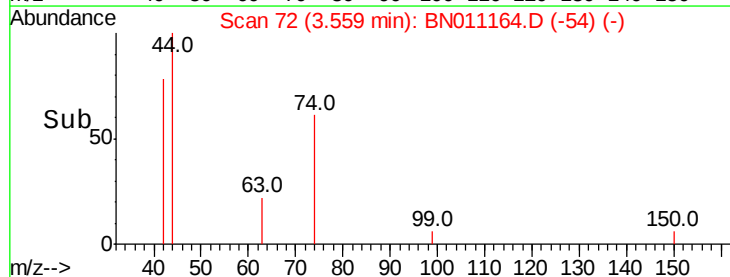
44 0.0 7.6 11.4#

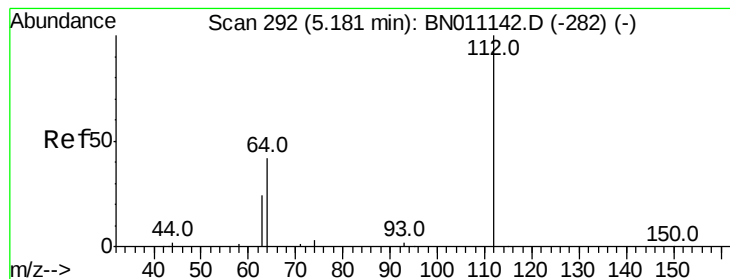


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.378 ng

RT: 5.15 min Scan# 270

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

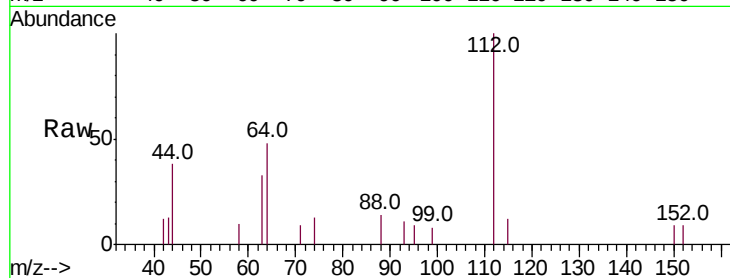
Tot Ion:112 Resp: 978

Ion Ratio Lower Upper

112 100

64 46.3 36.7 55.1

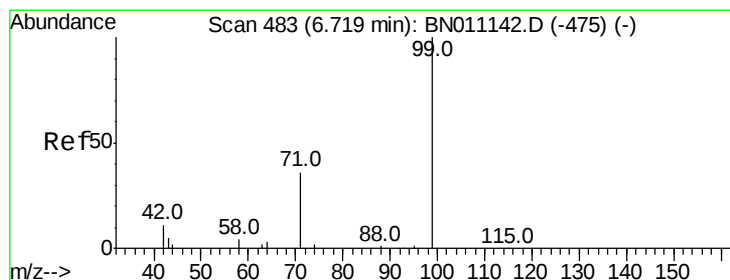
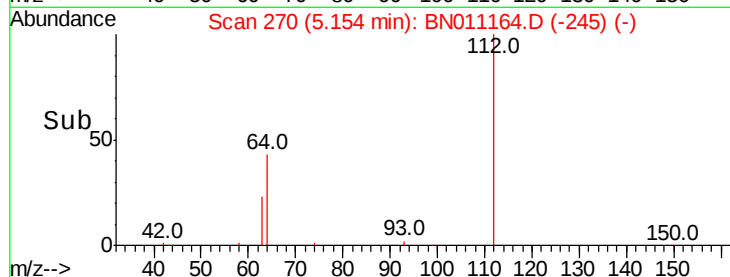
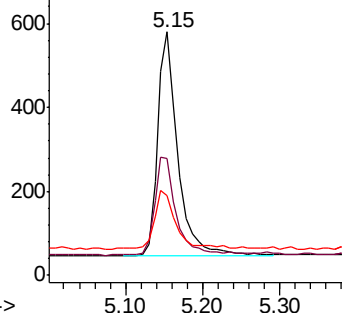
63 30.1 20.4 30.6



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.409 ng

RT: 6.70 min Scan# 462

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

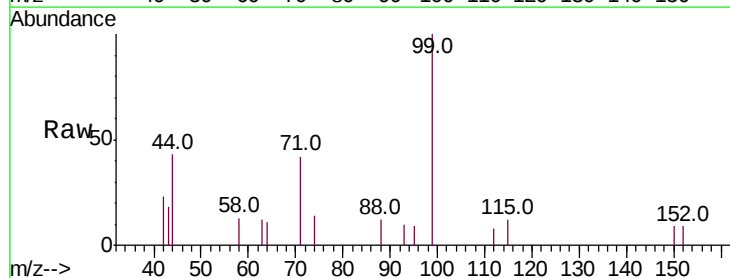
Tgt Ion: 99 Resp: 1196

Ion Ratio Lower Upper

99 100

42 14.6 10.8 16.2

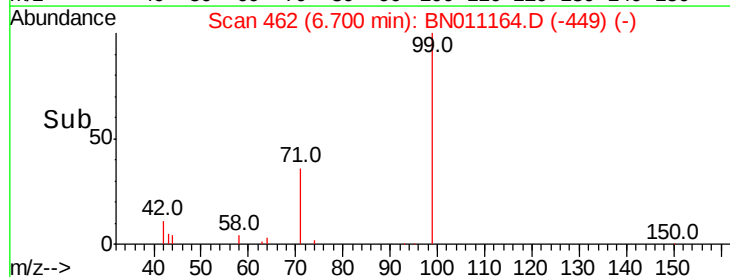
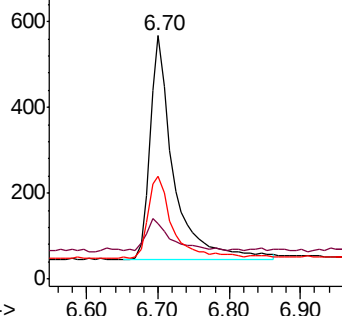
71 38.0 31.3 46.9

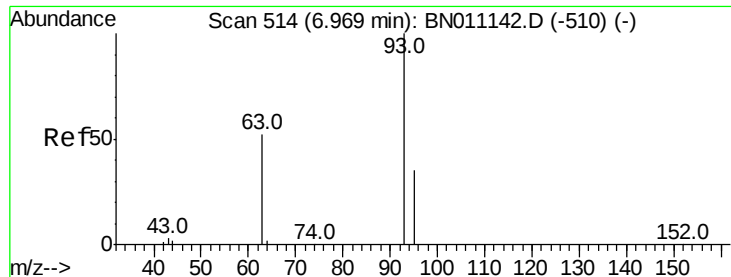


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



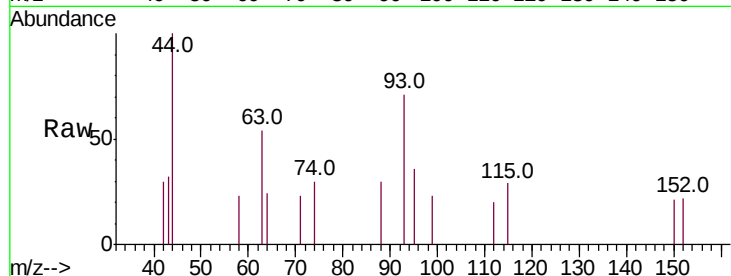


#6

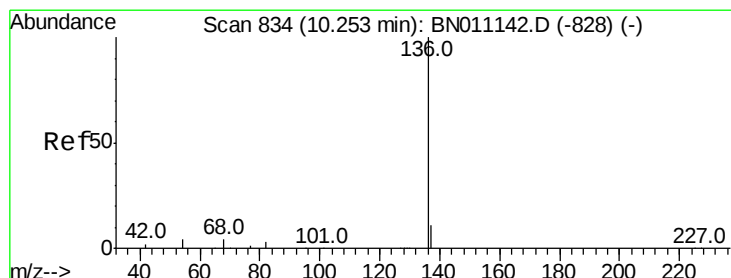
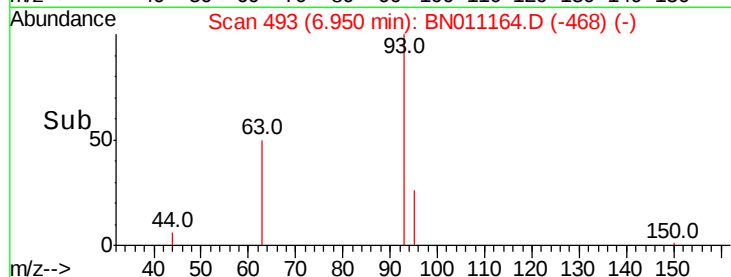
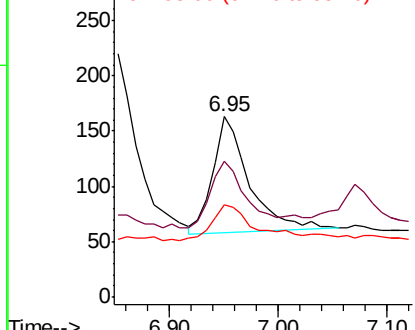
bis(2-Chloroethyl)ether
Concen: 0.091 ng
RT: 6.95 min Scan# 493
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Instrument :
BNA_N
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MDL-SOIL-03-QT3-2020

Tot Ion: 93 Resp: 244
Ion Ratio Lower Upper
93 100
63 58.6 47.4 71.0
95 35.7 28.1 42.1



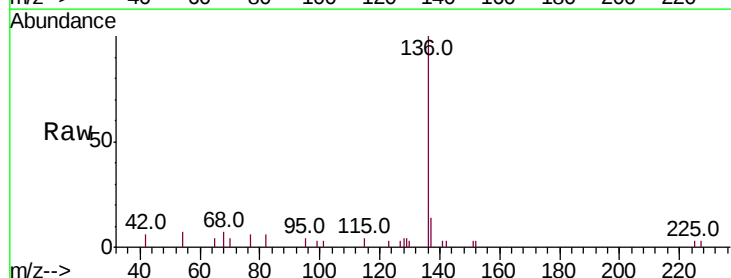
Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0



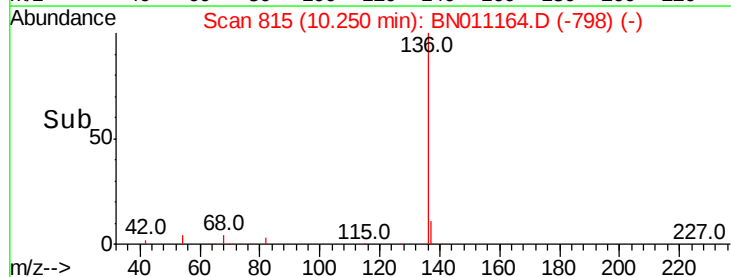
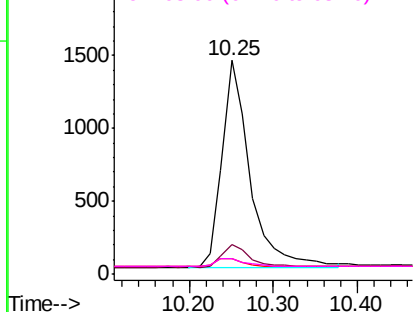
#7

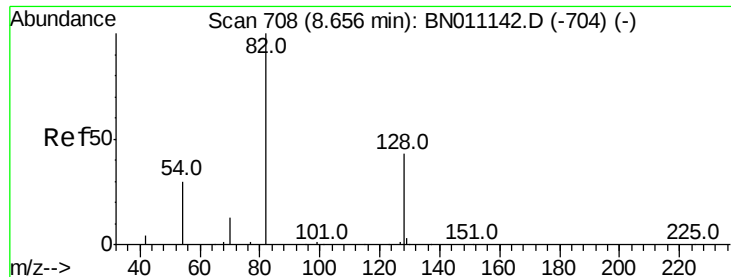
Naphthalene-d8
Concen: 0.400 ng
RT: 10.25 min Scan# 815
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:136 Resp: 3305
Ion Ratio Lower Upper
136 100
137 13.6 10.3 15.5
54 7.3 4.9 7.3
68 7.4 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): BN0
Ion 68.00 (67.70 to 68.70): BN0

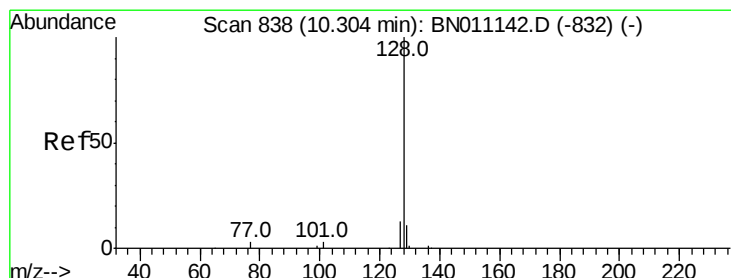
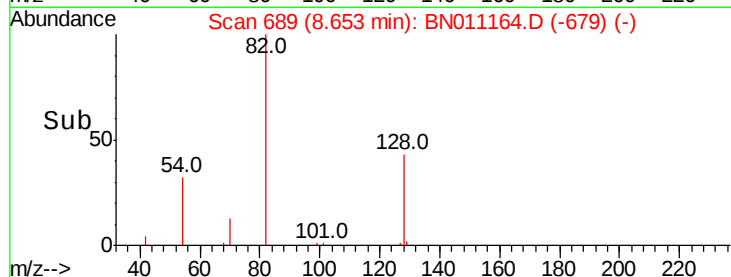
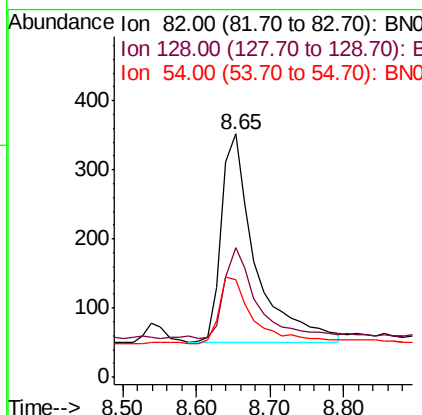
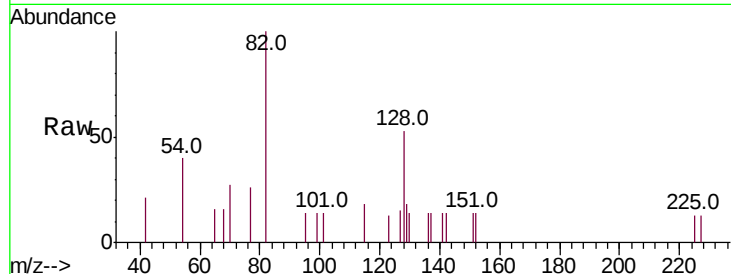




#8
 Nitrobenzene-d5
 Concen: 0.331 ng
 RT: 8.65 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: BN011164.D
 Acq: 14 Jul 2020 18:04

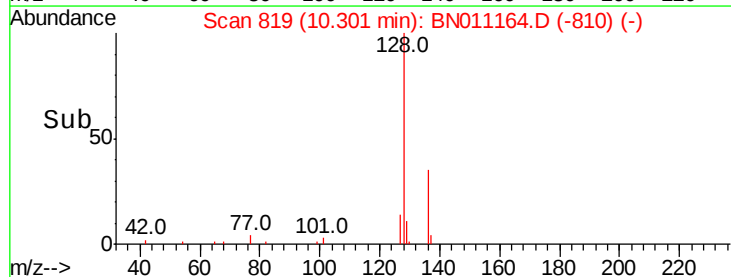
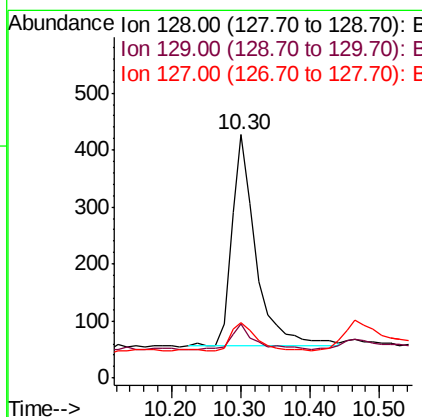
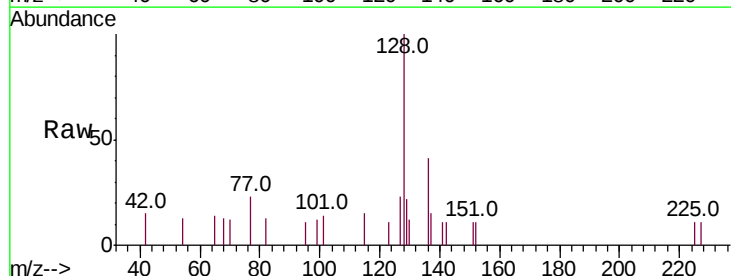
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 MDL-SOIL-03-QT3-2020

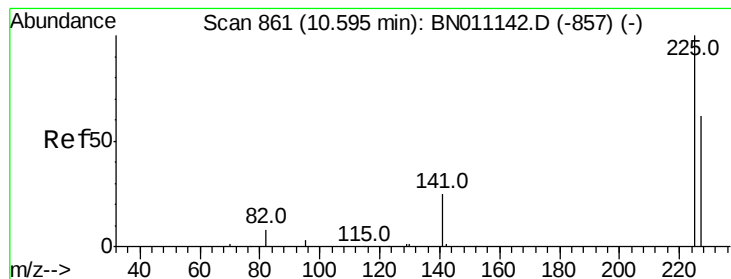
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.1	38.1	57.1
54	40.1	27.1	40.7



#9
 Naphthalene
 Concen: 0.090 ng
 RT: 10.30 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BN011164.D
 Acq: 14 Jul 2020 18:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	22.0	9.8	14.6#
127	23.0	11.8	17.6#





#10

Hexachlorobutadiene

Concen: 0.083 ng

RT: 10.59 min Scan# 842

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

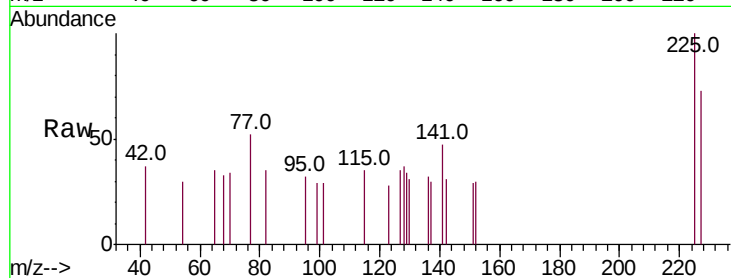
Tot Ion:225 Resp: 202

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.9 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

10.59

150

100

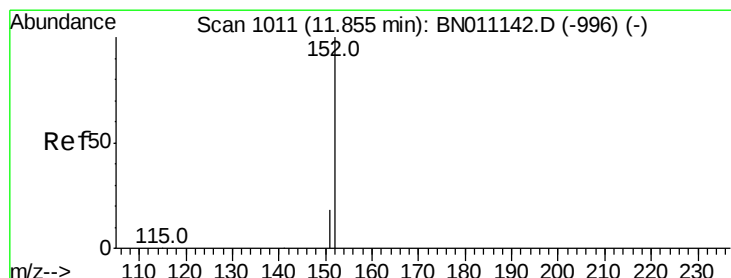
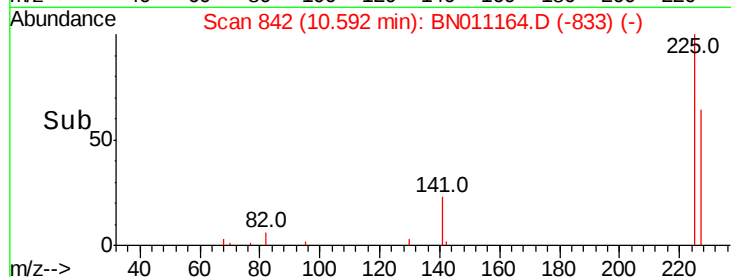
50

0

10.50

10.60

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.392 ng

RT: 11.85 min Scan# 990

Delta R.T. 0.01 min

Lab File: BN011164.D

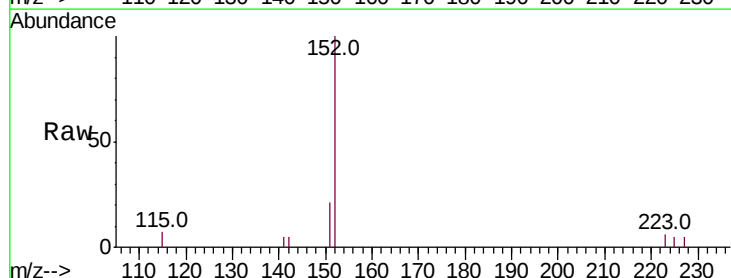
Acq: 14 Jul 2020 18:04

Tgt Ion:152 Resp: 2103

Ion Ratio Lower Upper

152 100

151 19.2 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.85

1000

800

600

400

200

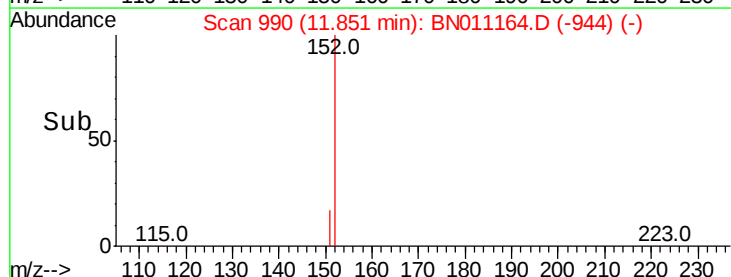
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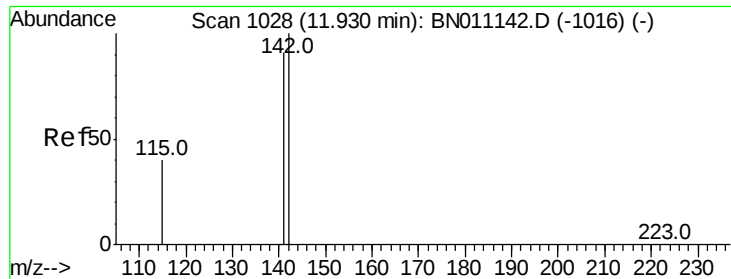
11.80

11.90

12.00

Time-->

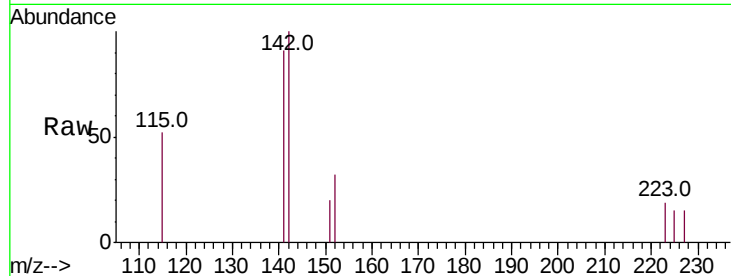




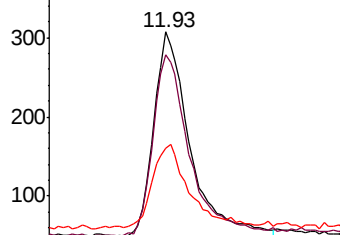
#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 11.93 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

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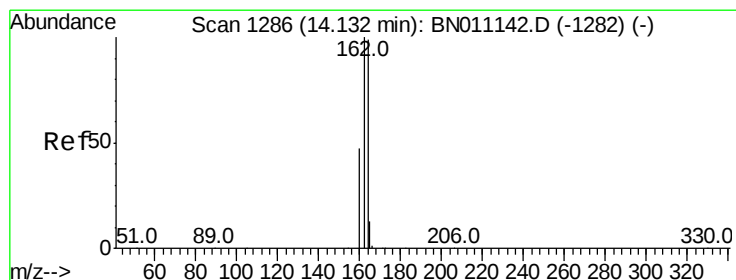
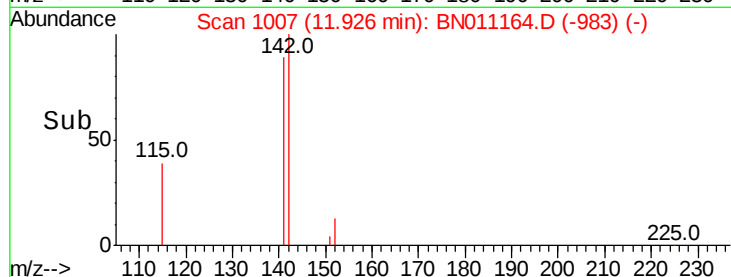
Tot Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
141 90.9 72.7 109.1
115 52.1 33.8 50.6#



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

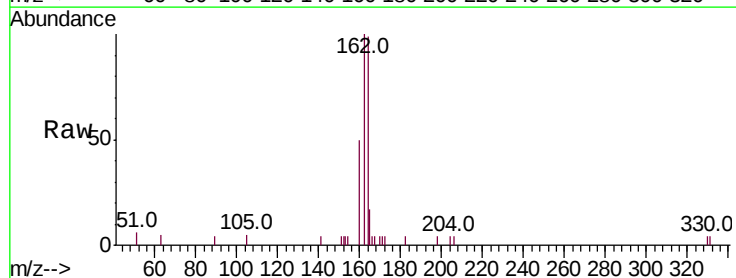


Time-->

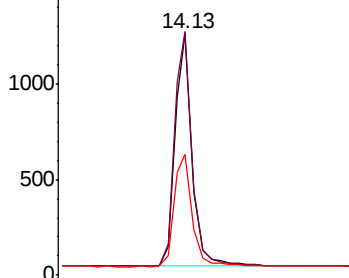


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.13 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

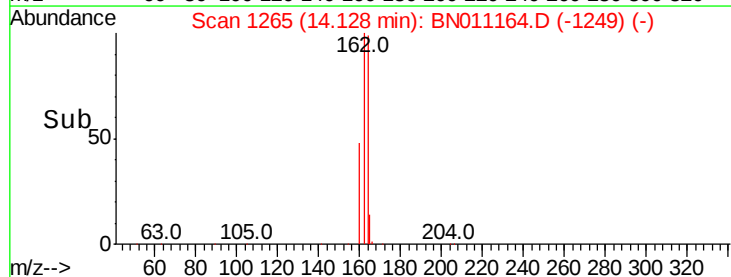
Tgt Ion:164 Resp: 2139
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 50.2 39.0 58.6

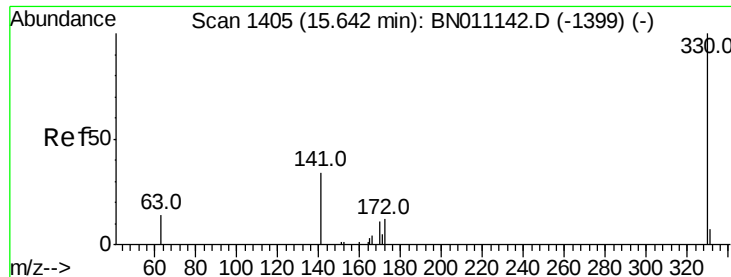


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#14

2,4,6-Tribromophenol

Concen: 0.404 ng

RT: 15.64 min Scan# 1384

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

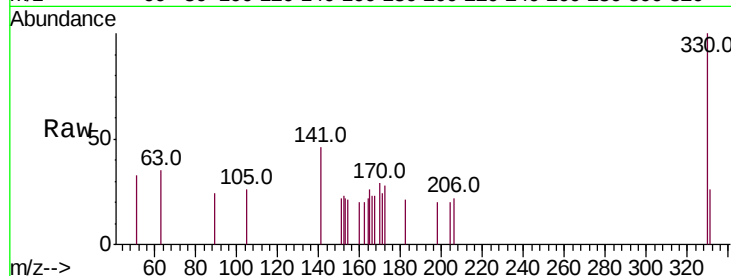
Tot Ion:330 Resp: 384

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

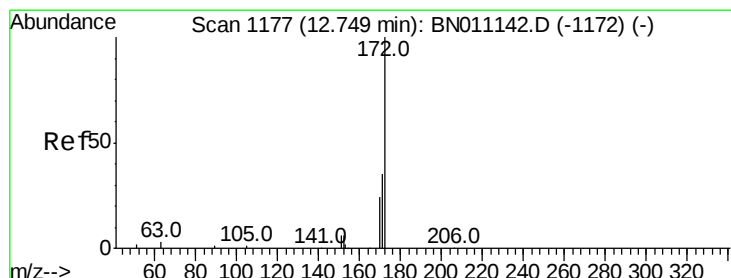
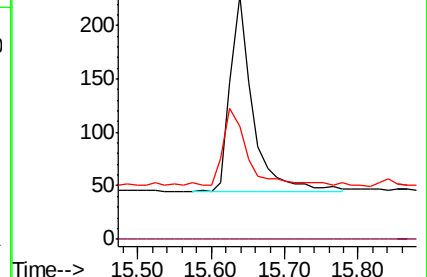
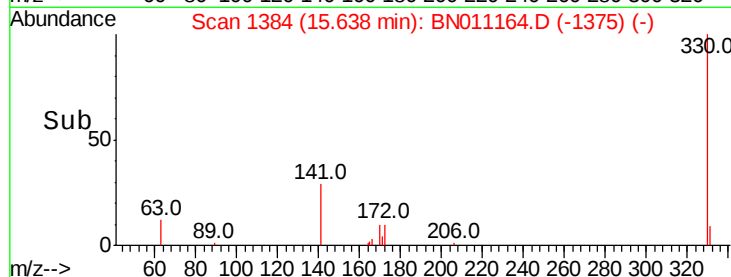
141 43.5 31.5 47.3



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: 12.75 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

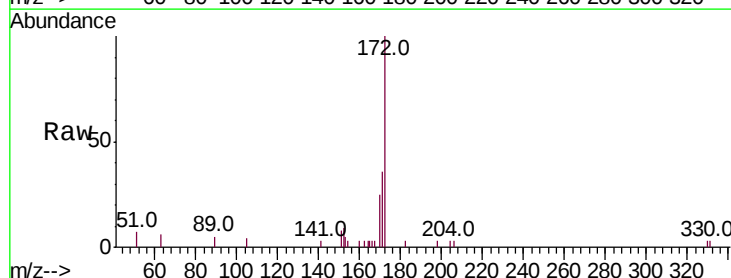
Tgt Ion:172 Resp: 3091

Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.6

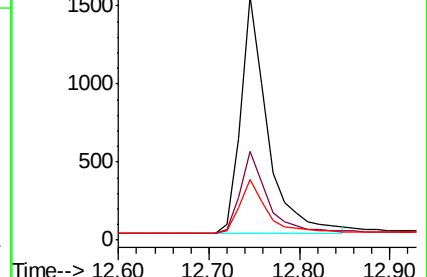
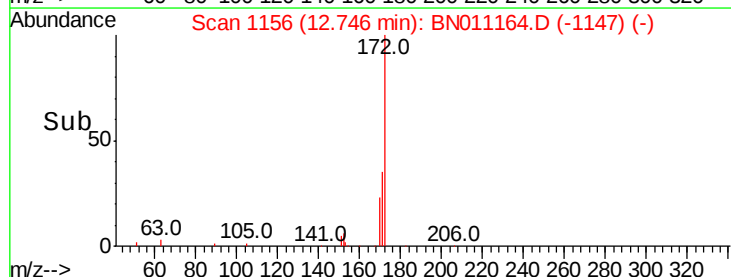
170 25.0 20.3 30.5

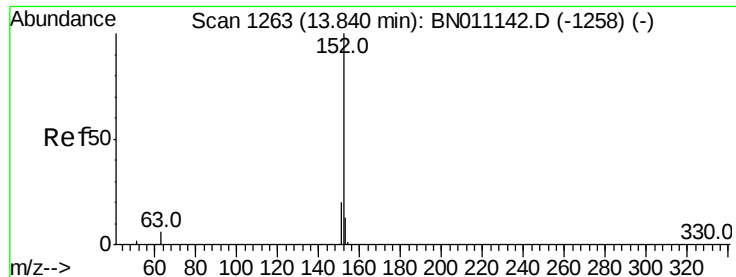


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.084 ng

RT: 13.84 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

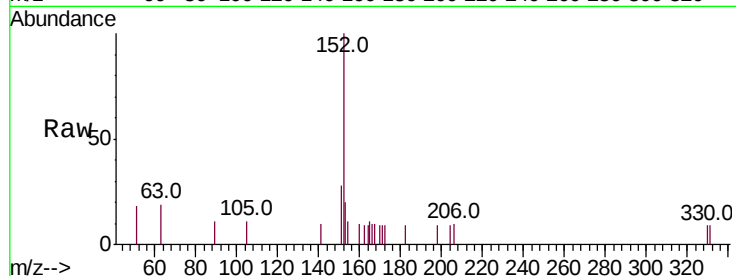
Tot Ion:152 Resp: 914

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

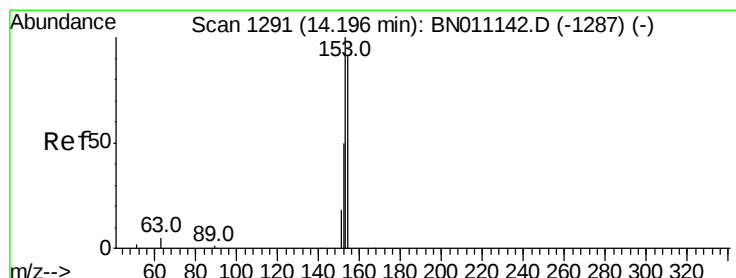
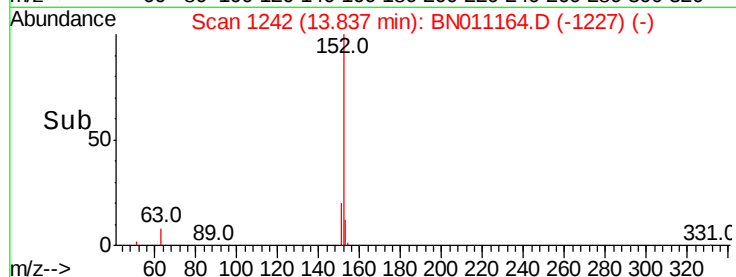
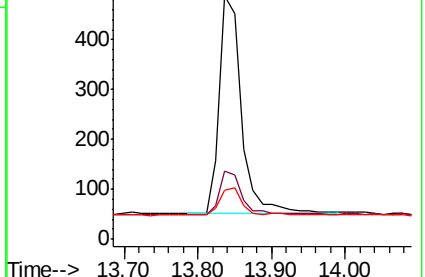
153 12.9 10.6 15.8



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: 14.19 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

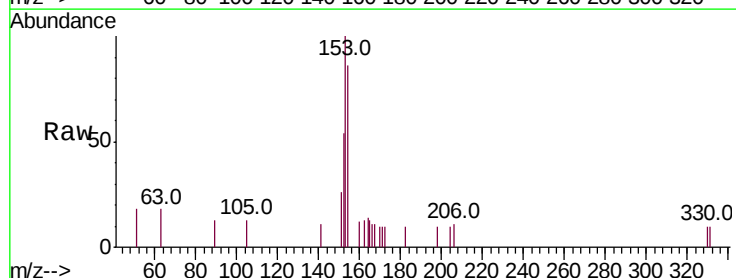
Tgt Ion:154 Resp: 604

Ion Ratio Lower Upper

154 100

153 118.9 91.3 136.9

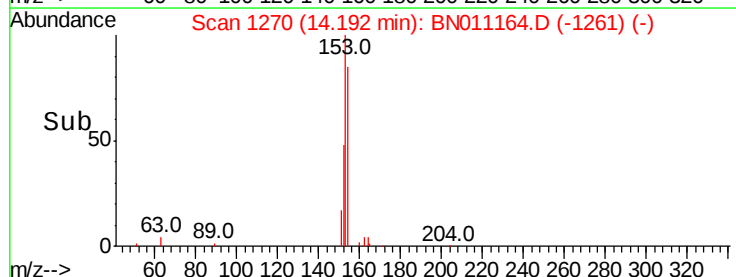
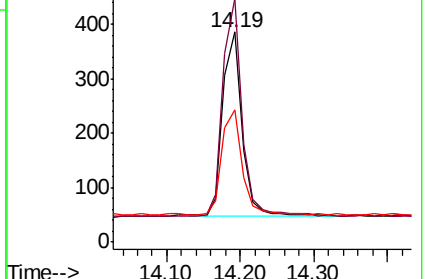
152 62.3 46.6 69.8

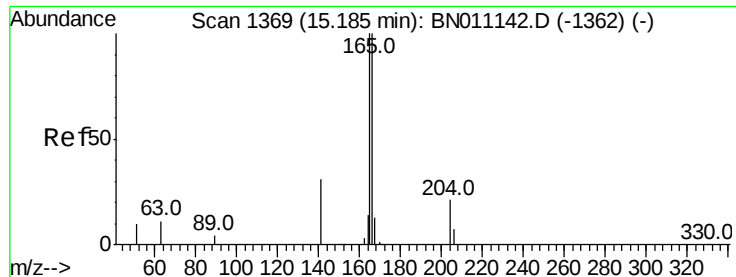


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.093 ng

RT: 15.19 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

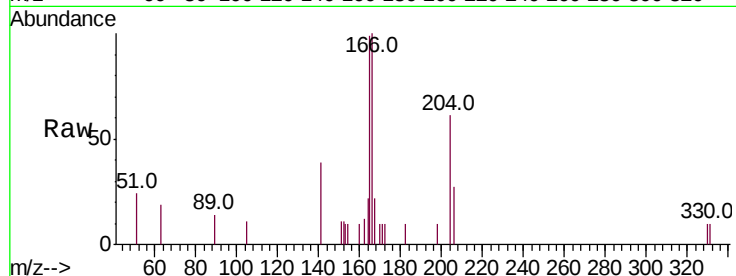
Tot Ion:166 Resp: 862

Ion Ratio Lower Upper

166 100

165 98.6 79.1 118.7

167 14.7 10.5 15.7



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

15.19

400

300

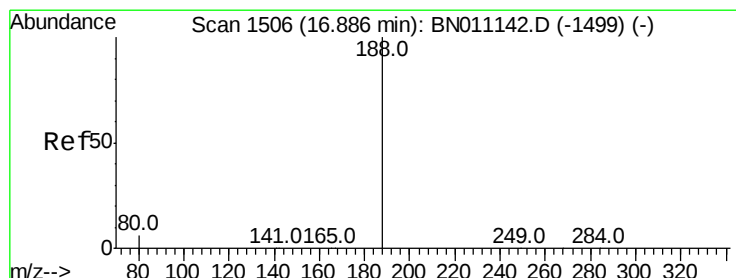
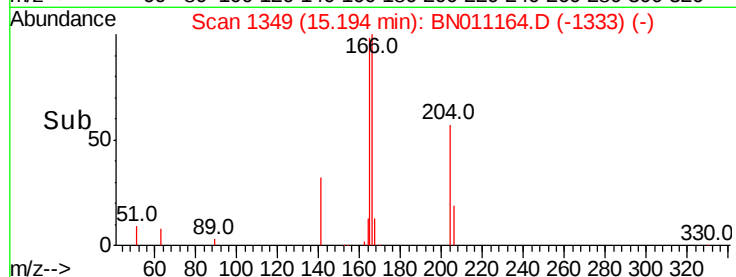
200

100

0

15.10 15.20 15.30

Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.88 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

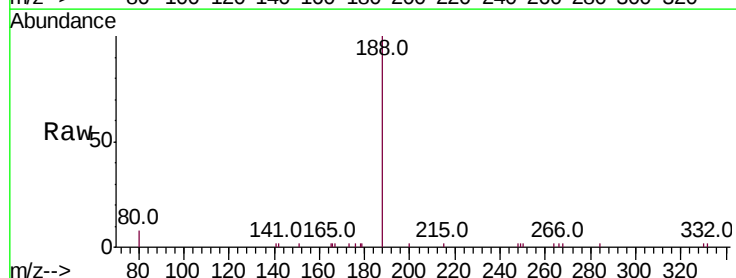
Tgt Ion:188 Resp: 5227

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 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

16.88

3000

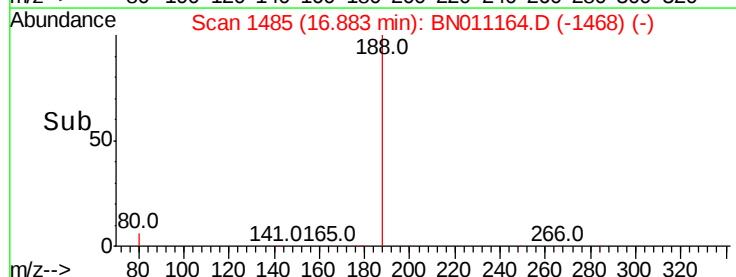
2000

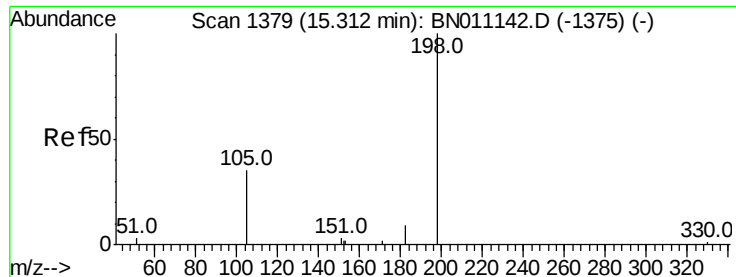
1000

0

16.80 17.00 17.20

Time-->

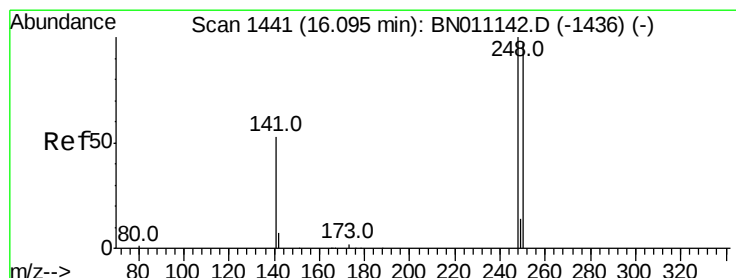
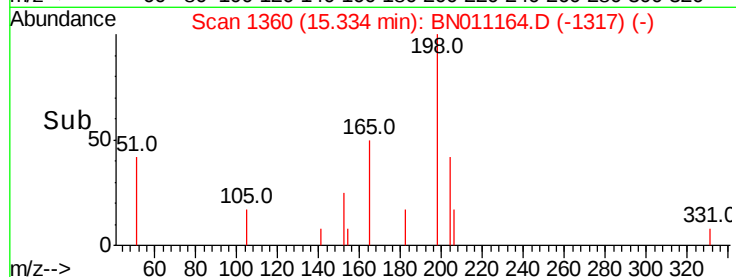
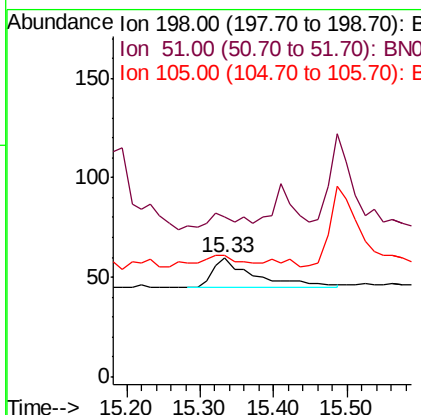
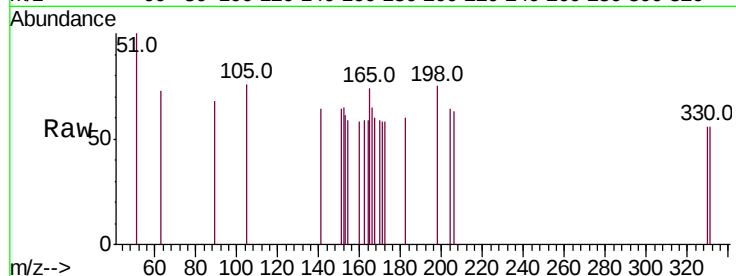




#20
4,6-Dinitro-2-methylphenol
Concen: 0.193 ng
RT: 15.33 min Scan# 1360
Delta R.T. 0.05 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

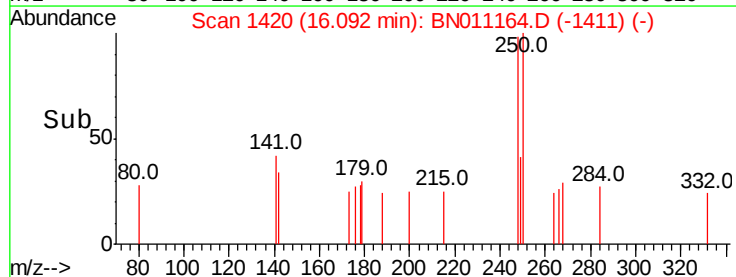
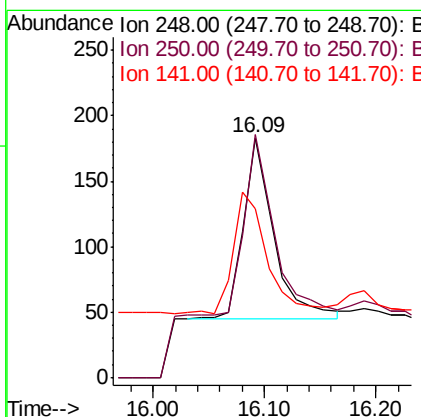
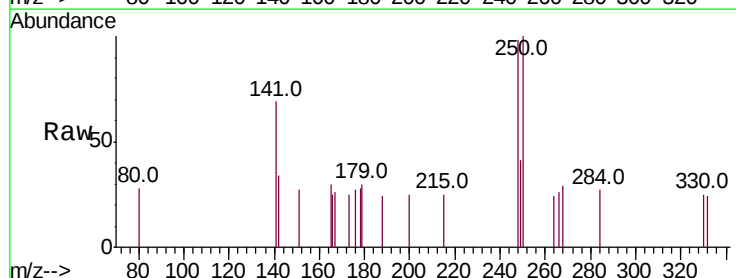
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

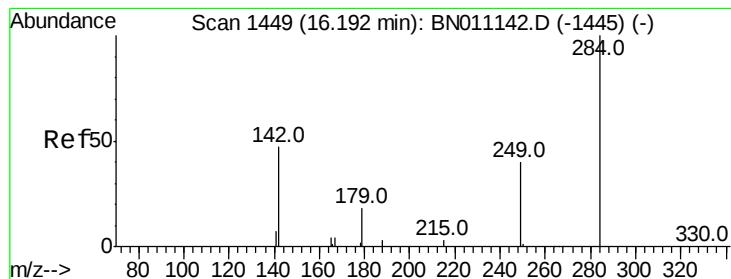
Tot Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 133.3 53.1 79.7#
105 101.7 51.9 77.9#



#21
4-Bromophenyl-phenylether
Concen: 0.074 ng
RT: 16.09 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:248 Resp: 264
Ion Ratio Lower Upper
248 100
250 101.6 78.4 117.6
141 70.5 45.1 67.7#





#22

Hexachlorobenzene

Concen: 0.076 ng

RT: 16.20 min Scan# 1429

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

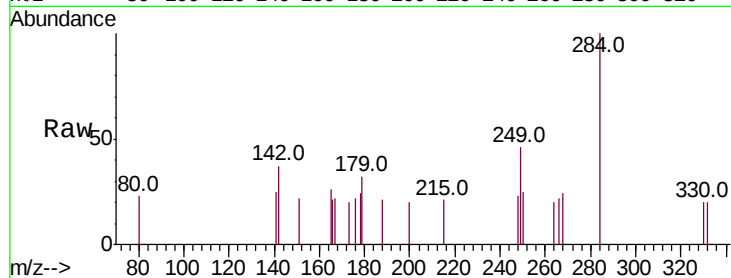
Tot Ion:284 Resp: 313

Ion Ratio Lower Upper

284 100

142 44.4 32.6 48.8

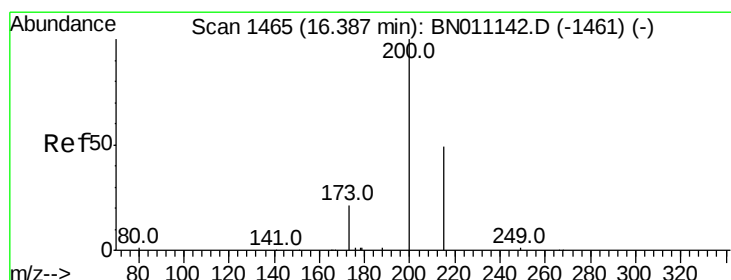
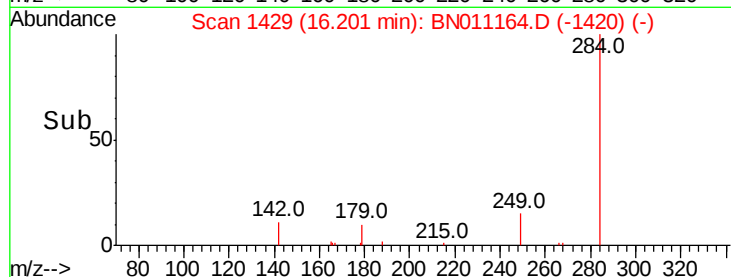
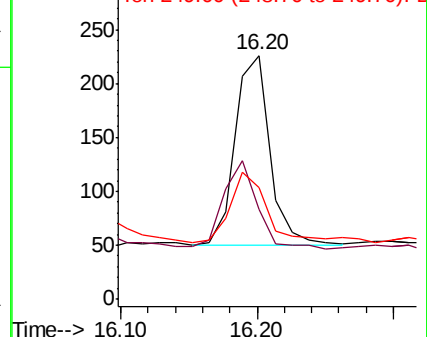
249 41.9 28.4 42.6



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: 0.100 ng

RT: 16.38 min Scan# 1444

Delta R.T. 0.02 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

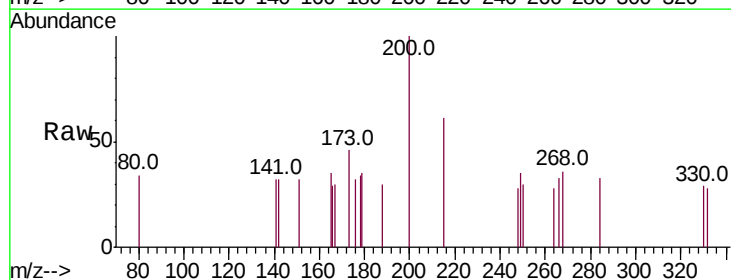
Tgt Ion:200 Resp: 250

Ion Ratio Lower Upper

200 100

173 46.2 23.0 34.4#

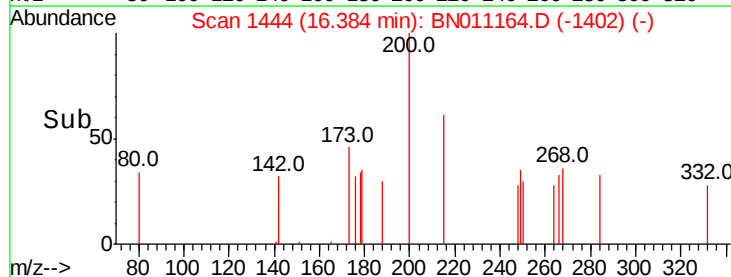
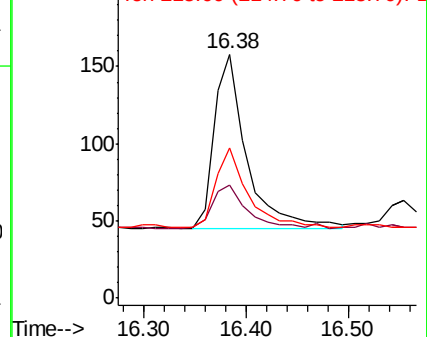
215 61.4 42.6 63.8

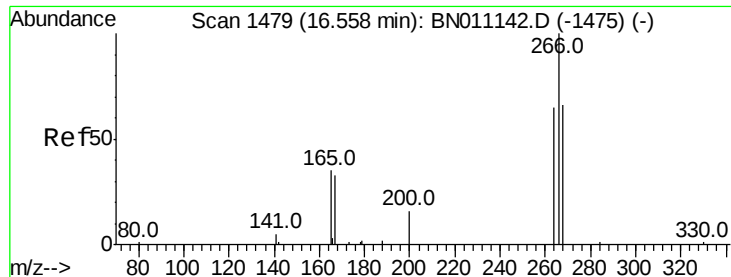


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#24

Pentachlorophenol

Concen: 0.196 ng

RT: 16.55 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument:

BNA_N

ClientSampleId:

MDL-SOIL-03-QT3-2020

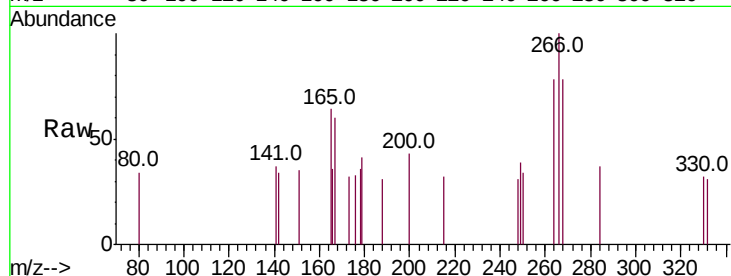
Tot Ion:266 Resp: 240

Ion Ratio Lower Upper

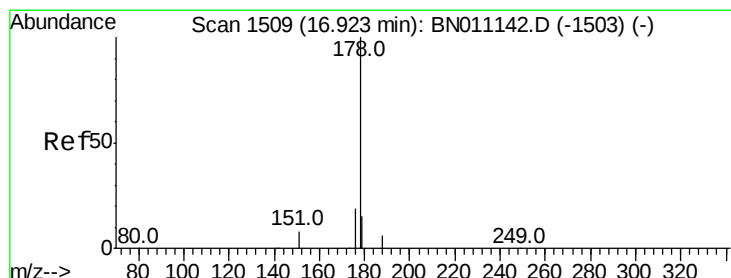
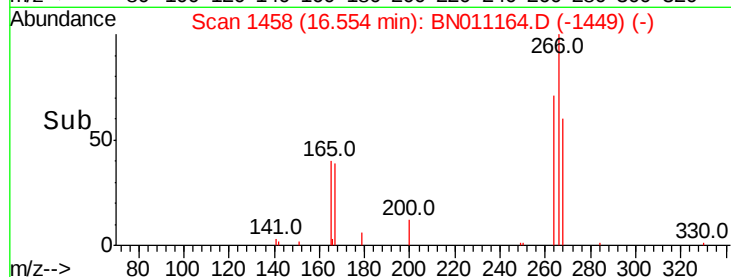
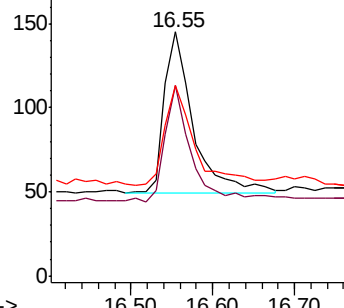
266 100

264 65.0 52.5 78.7

268 62.5 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: 0.086 ng

RT: 16.92 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

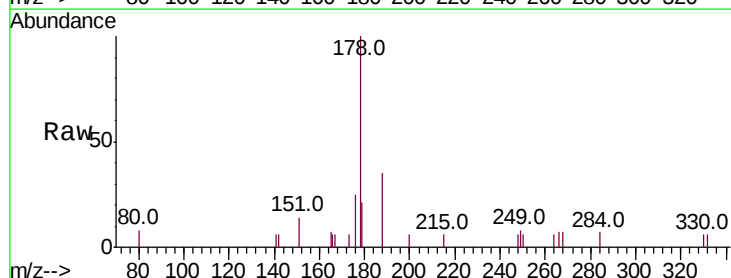
Tgt Ion:178 Resp: 1446

Ion Ratio Lower Upper

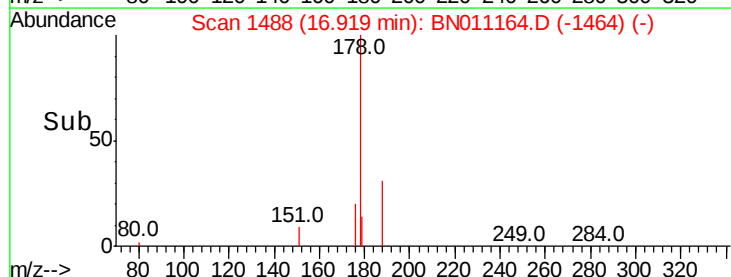
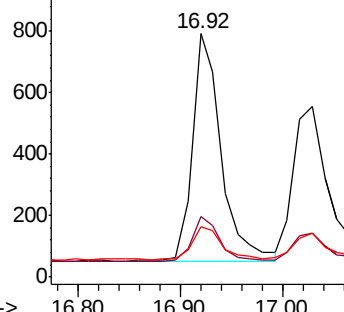
178 100

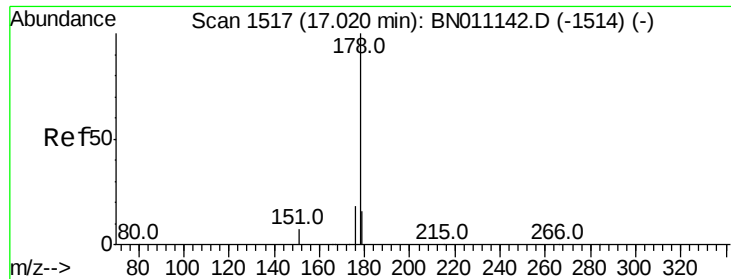
176 19.2 15.3 22.9

179 15.5 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: 0.082 ng

RT: 17.03 min Scan# 1497

Delta R.T. 0.02 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

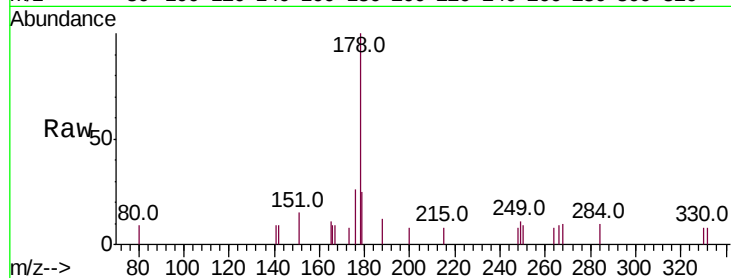
Tot Ion:178 Resp: 1149

Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

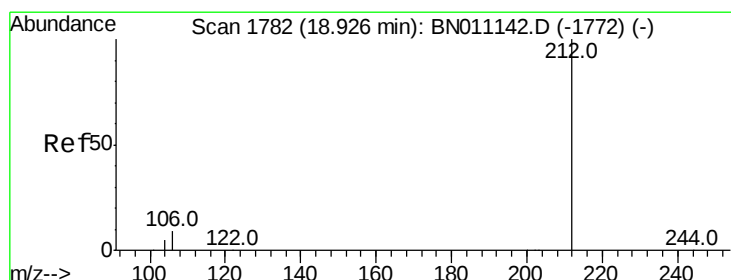
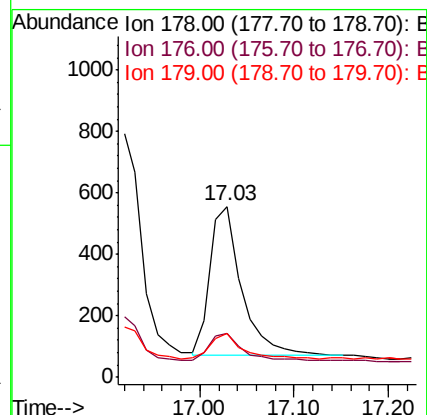
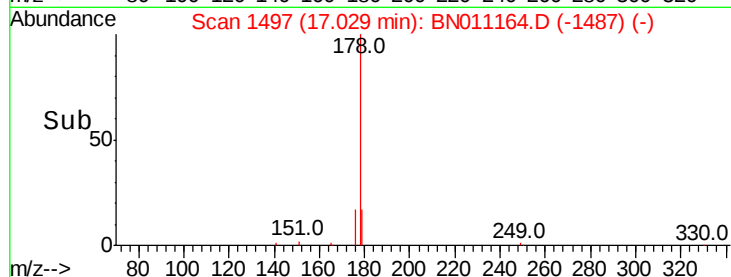
179 16.6 12.0 18.0



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: 0.376 ng

RT: 18.92 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

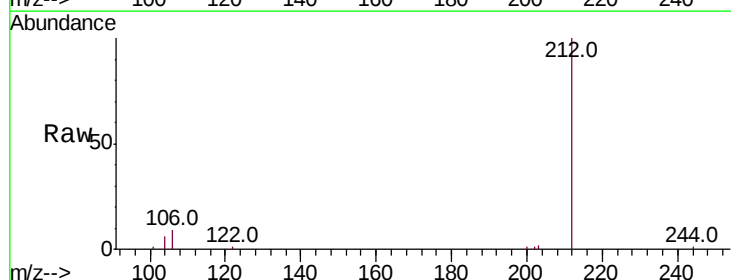
Tgt Ion:212 Resp: 6193

Ion Ratio Lower Upper

212 100

106 7.9 7.0 10.6

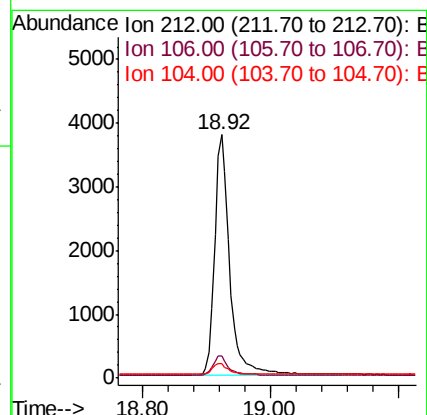
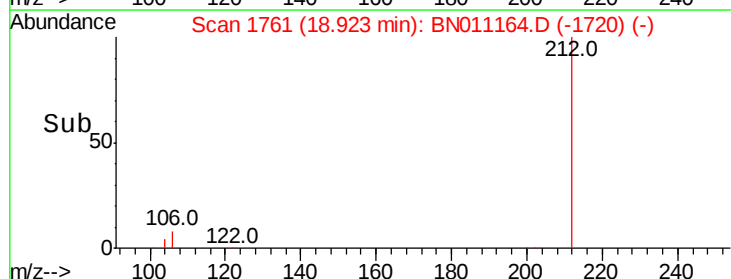
104 5.1 4.2 6.4

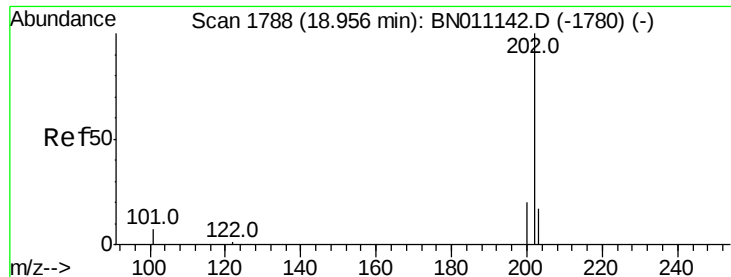


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#28

Fluoranthene

Concen: 0.090 ng

RT: 18.95 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

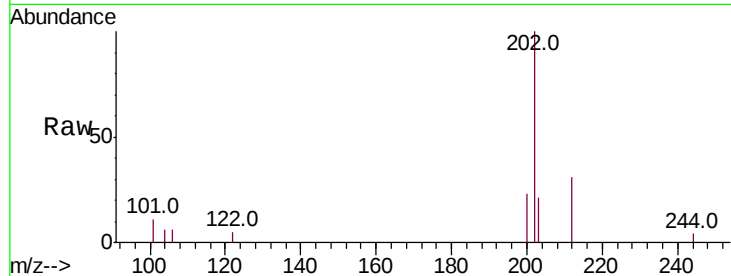
Tot Ion:202 Resp: 1818

Ion Ratio Lower Upper

202 100

101 7.6 5.9 8.9

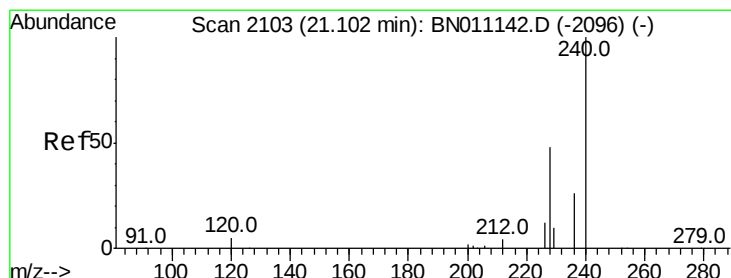
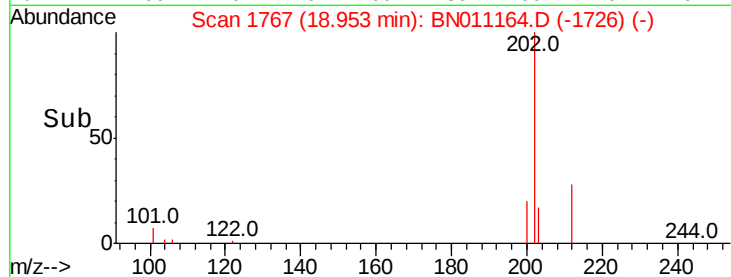
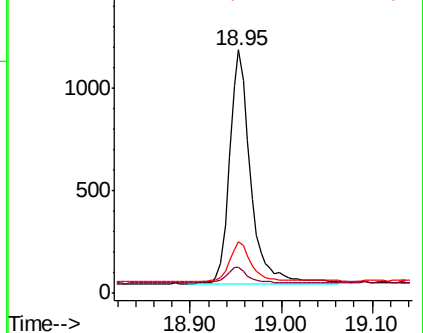
203 17.8 13.6 20.4



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: 21.10 min Scan# 2082

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

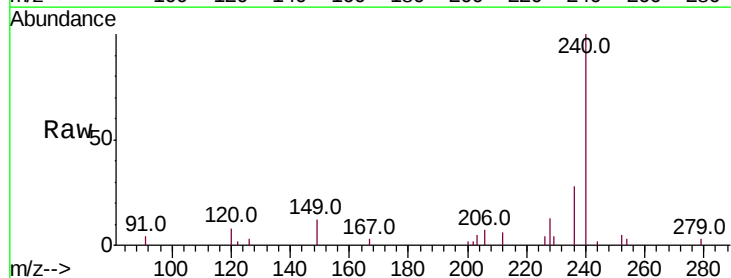
Tgt Ion:240 Resp: 5198

Ion Ratio Lower Upper

240 100

120 7.6 6.5 9.7

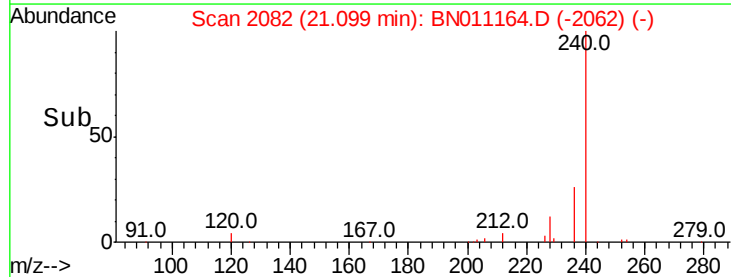
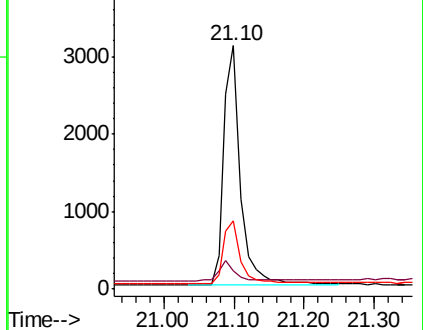
236 28.0 21.9 32.9

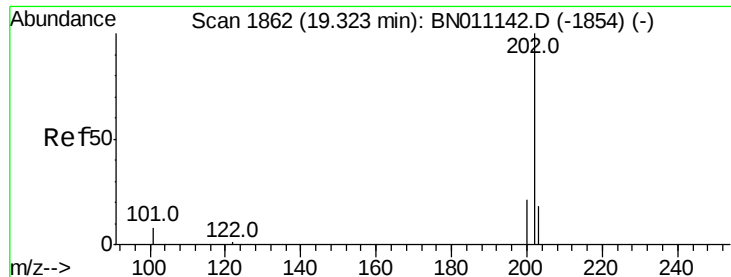


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

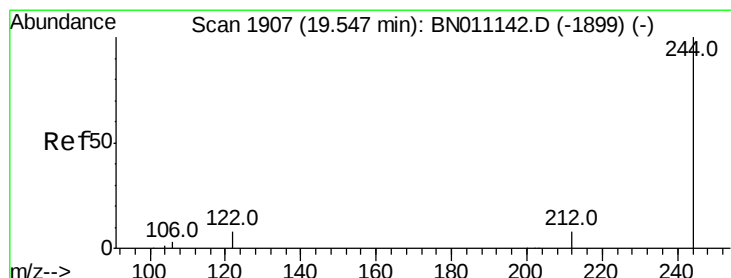
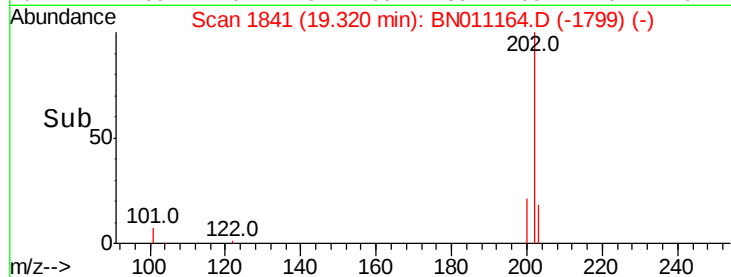
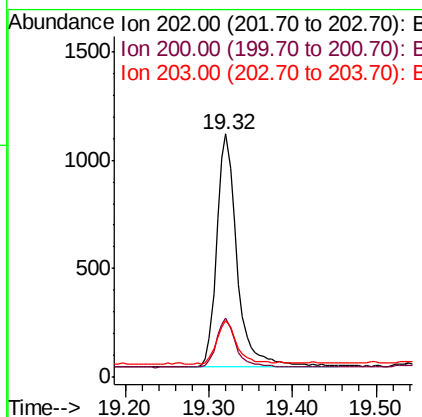
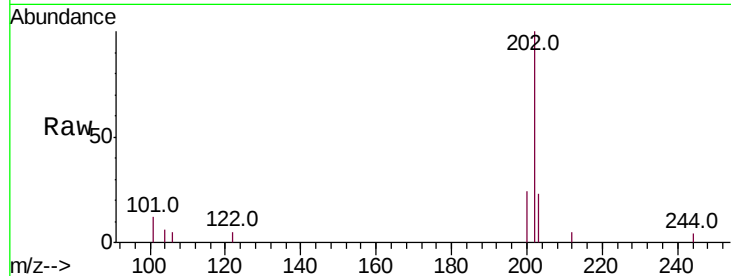




#30
Pvrene
Concen: 0.091 ng
RT: 19.32 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

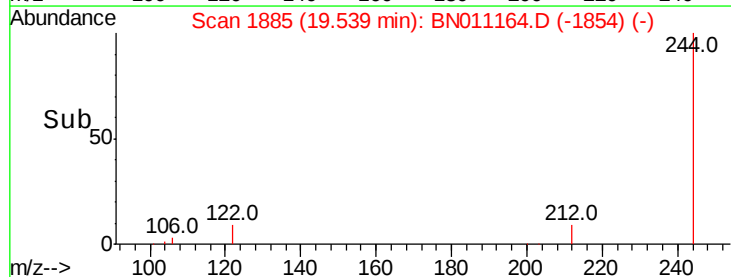
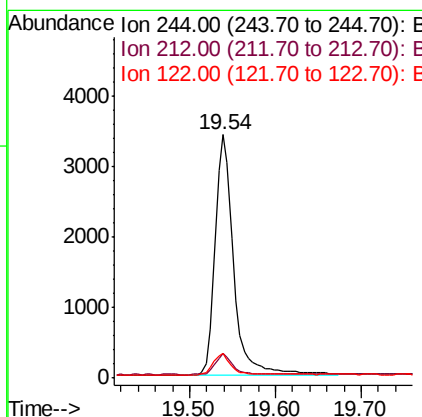
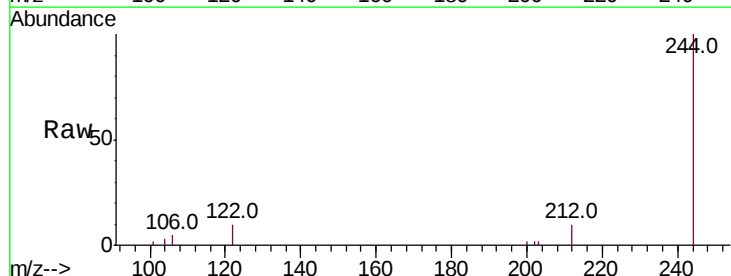
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

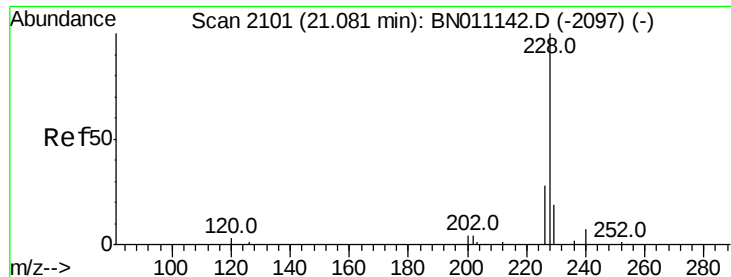
Tot Ion:202 Resp: 1809
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 17.9 14.2 21.4



#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.54 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:244 Resp: 5098
Ion Ratio Lower Upper
244 100
212 10.1 7.8 11.6
122 9.9 7.4 11.0





#32

Benzo(a)anthracene

Concen: 0.095 ng

RT: 21.08 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

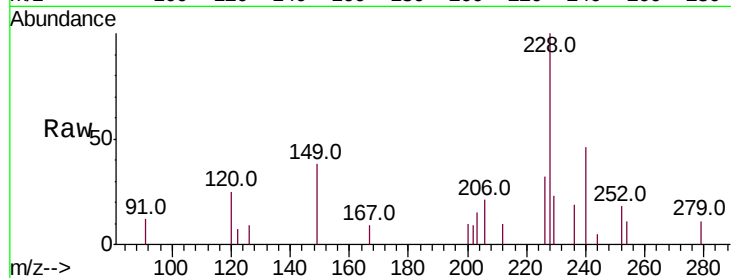
Tot Ion:228 Resp: 1608

Ion Ratio Lower Upper

228 100

226 31.9 23.2 34.8

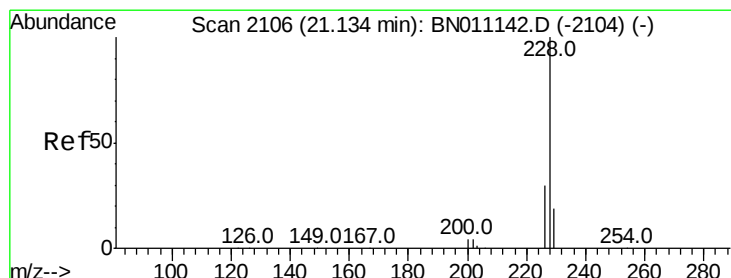
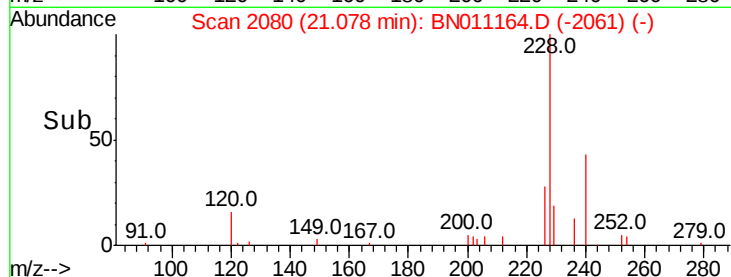
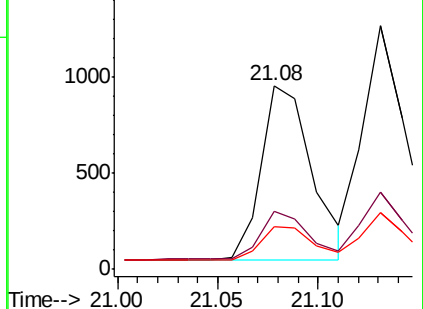
229 23.1 16.2 24.4



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: 0.091 ng

RT: 21.13 min Scan# 2085

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

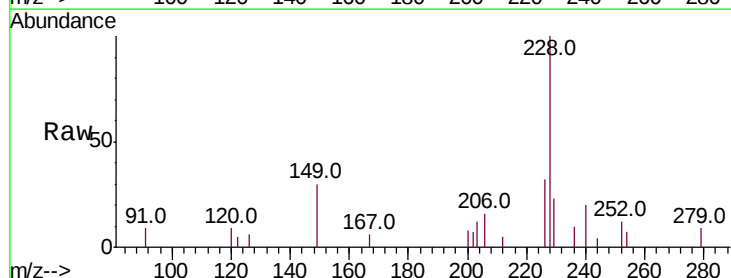
Tgt Ion:228 Resp: 1878

Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

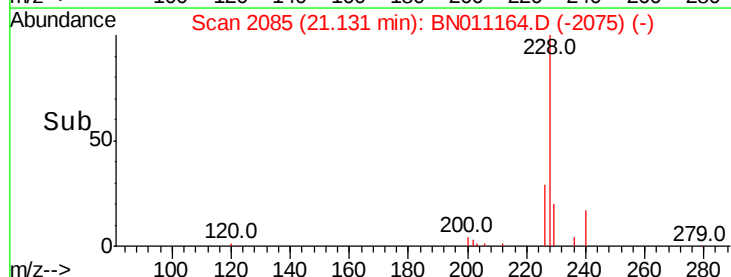
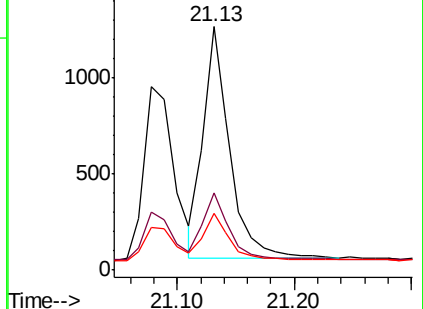
229 23.3 16.2 24.4

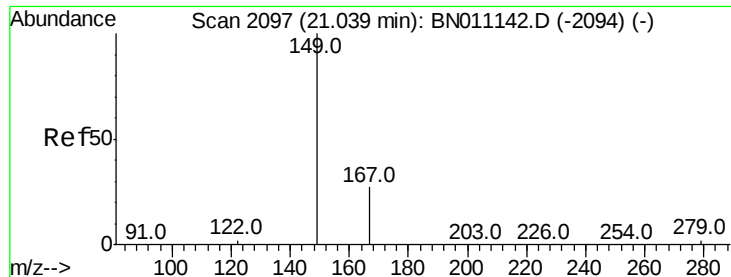


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.04 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

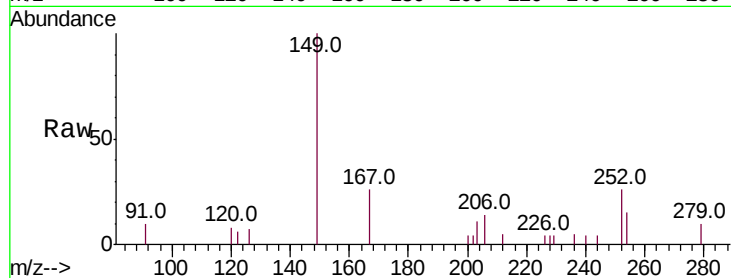
Tot Ion:149 Resp: 1000

Ion Ratio Lower Upper

149 100

167 29.8 23.4 35.0

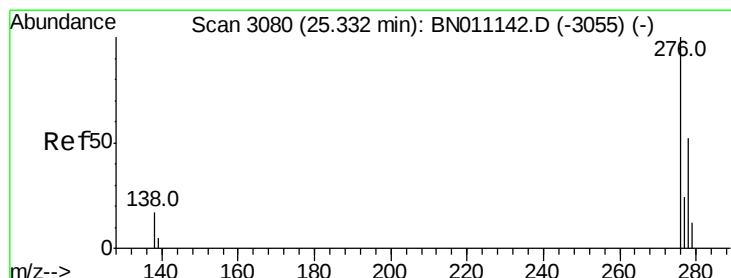
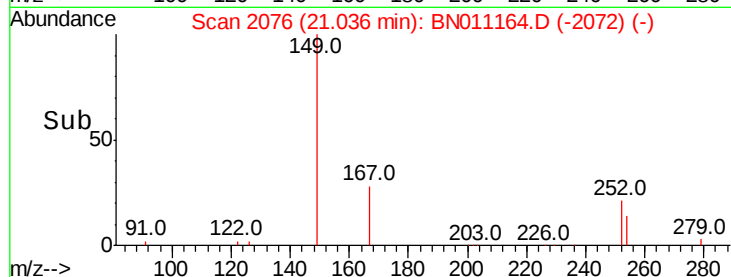
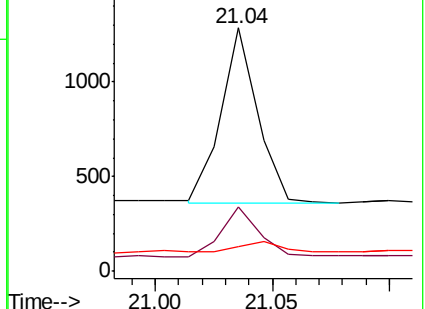
279 5.5 4.5 6.7



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: 0.046 ng

RT: 25.33 min Scan# 3058

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

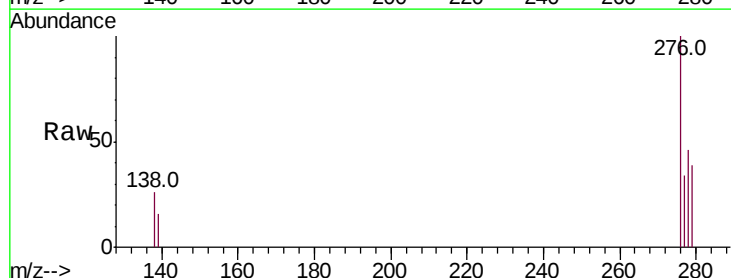
Tgt Ion:276 Resp: 1919

Ion Ratio Lower Upper

276 100

138 6.3 13.0 19.6#

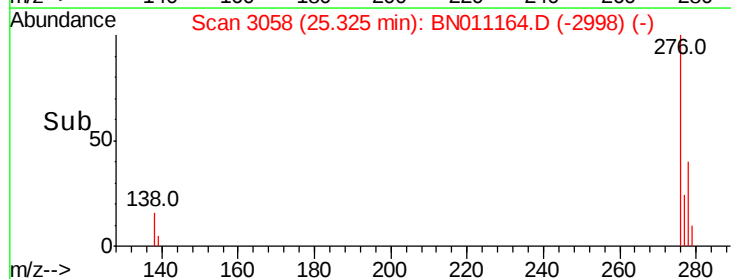
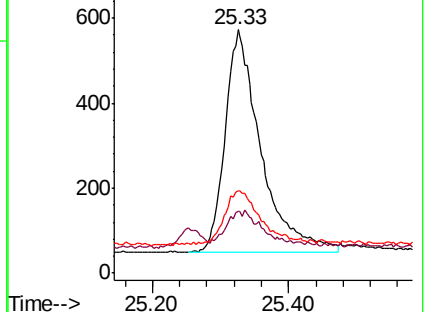
277 24.4 19.7 29.5

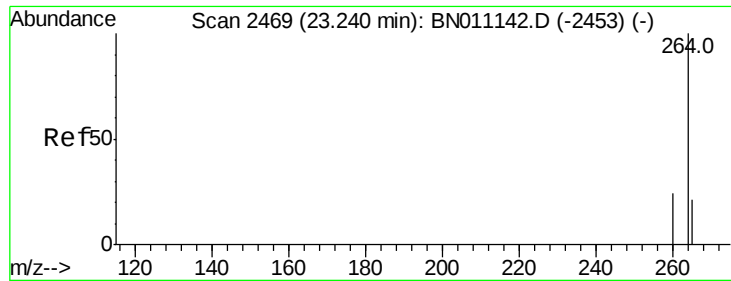


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

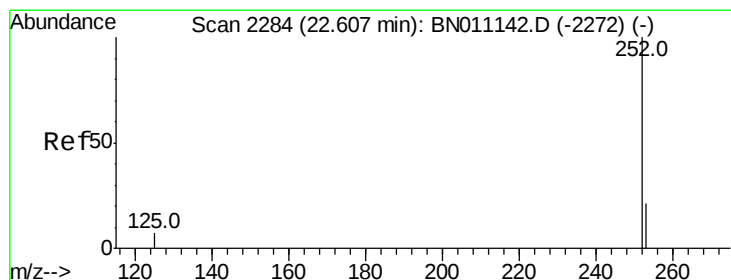
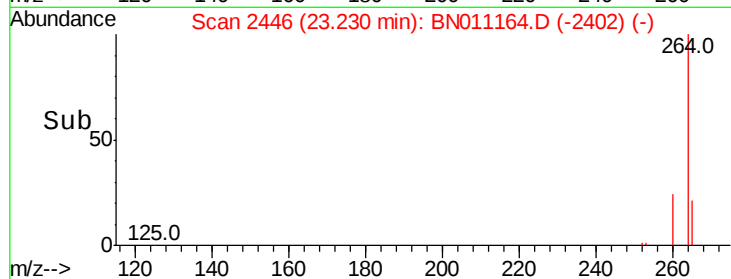
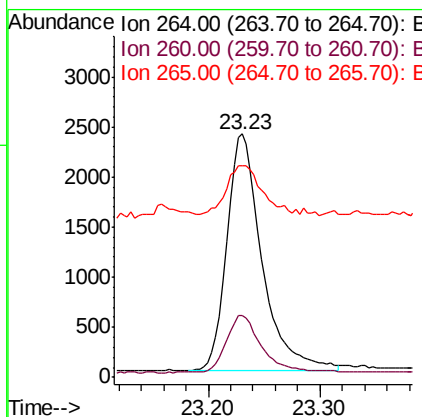
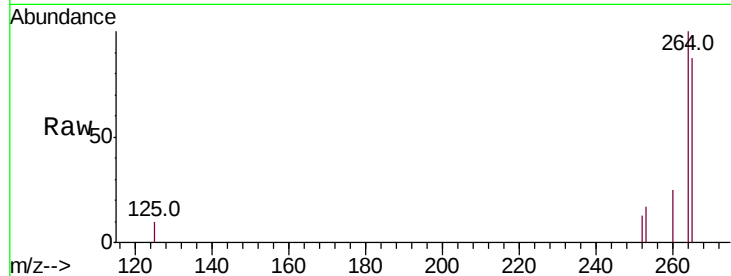




#36
Pervlene-d12
Concen: 0.400 ng
RT: 23.23 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

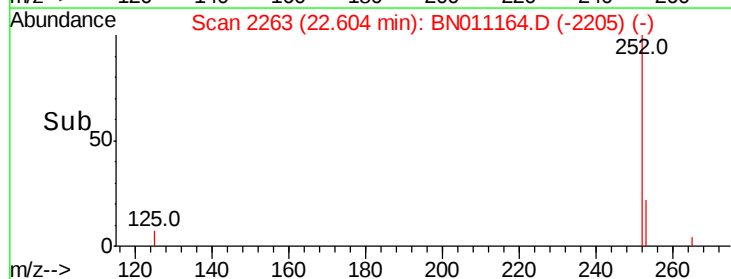
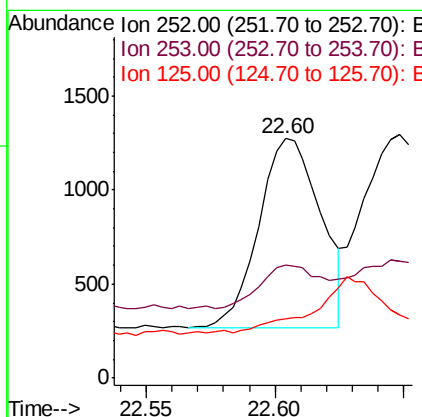
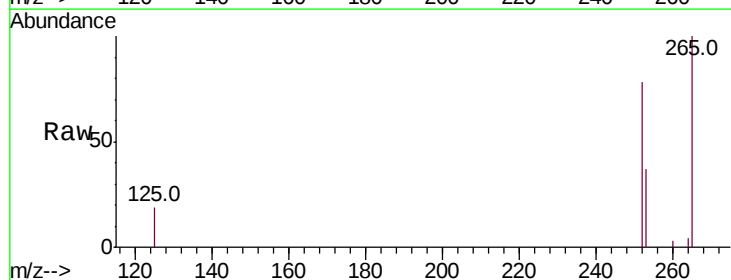
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2020

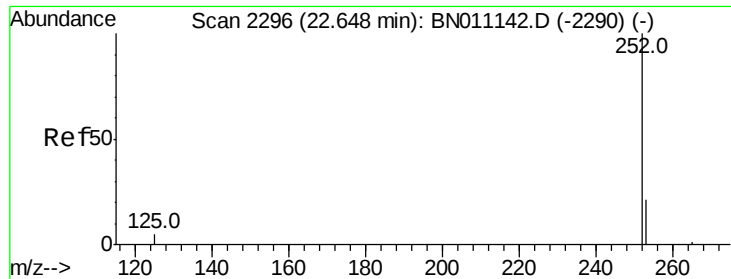
Tot Ion:264 Resp: 5135
Ion Ratio Lower Upper
264 100
260 25.2 20.1 30.1
265 87.2 76.6 115.0



#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.60 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BN011164.D
Acq: 14 Jul 2020 18:04

Tgt Ion:252 Resp: 1678
Ion Ratio Lower Upper
252 100
253 47.3 22.6 34.0#
125 24.6 9.6 14.4#





#38

Benzo(k)fluoranthene

Concen: 0.087 ng

RT: 22.65 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

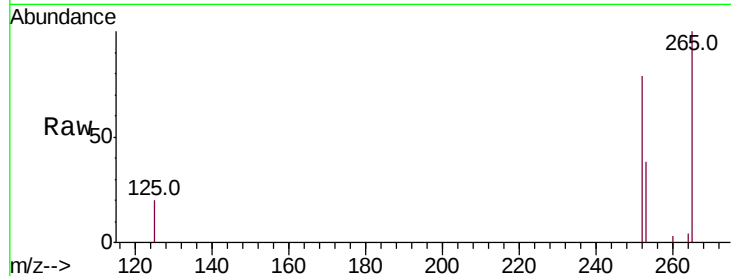
Tot Ion:252 Resp: 2026

Ion Ratio Lower Upper

252 100

253 48.2 22.2 33.4#

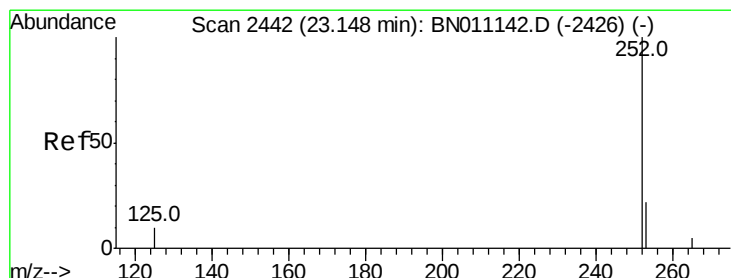
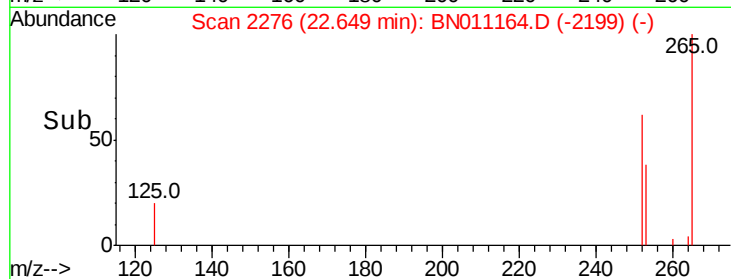
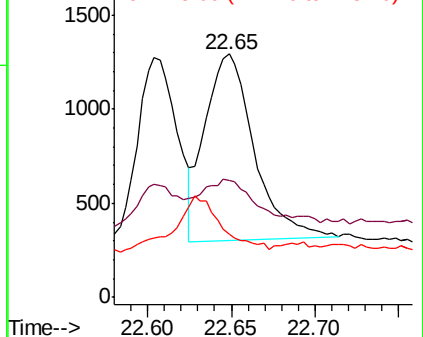
125 25.7 11.0 16.4#



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



#39

Benzo(a)pyrene

Concen: 0.089 ng

RT: 23.14 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

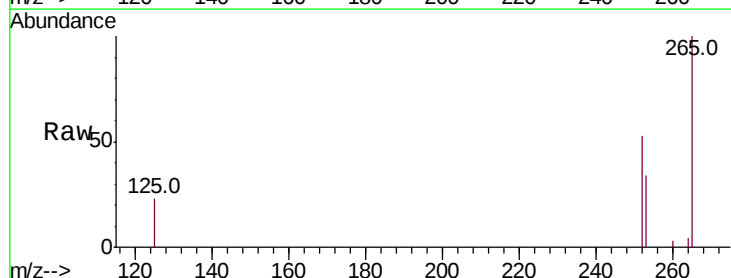
Tgt Ion:252 Resp: 1658

Ion Ratio Lower Upper

252 100

253 64.8 25.8 38.6#

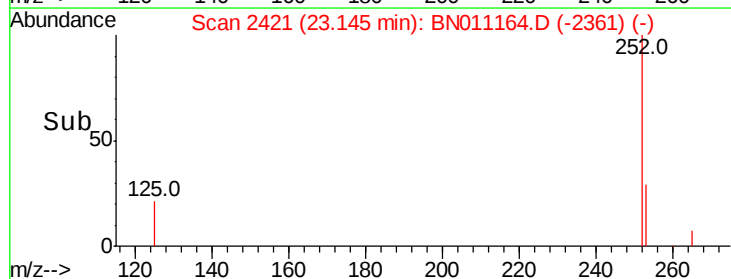
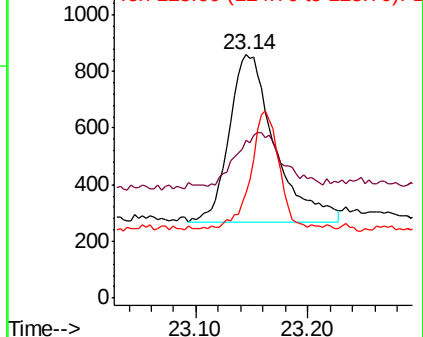
125 43.4 13.4 20.0#

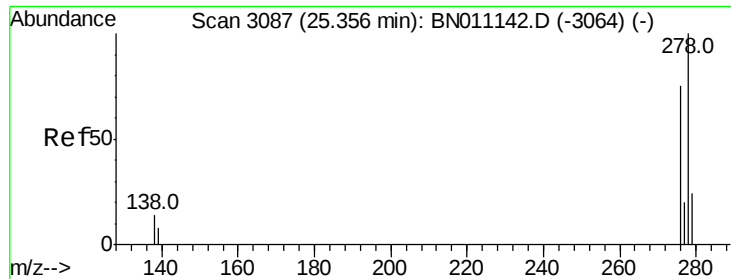


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#40

Dibenzo(a,h)anthracene

Concen: 0.073 ng

RT: 25.35 min Scan# 3064

Delta R.T. 0.02 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2020

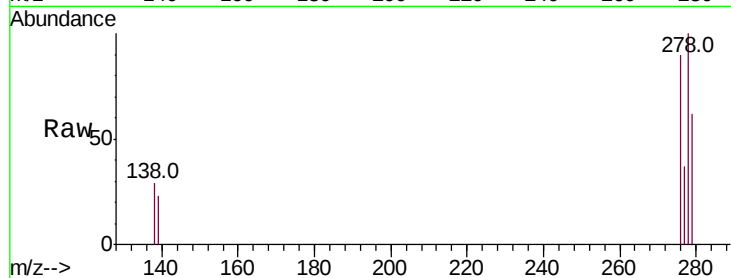
Tot Ion:278 Resp: 1434

Ion Ratio Lower Upper

278 100

139 22.8 11.7 17.5#

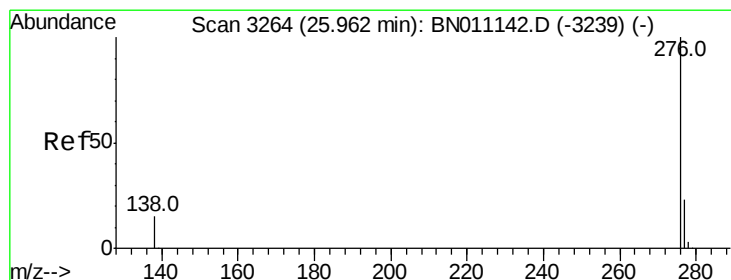
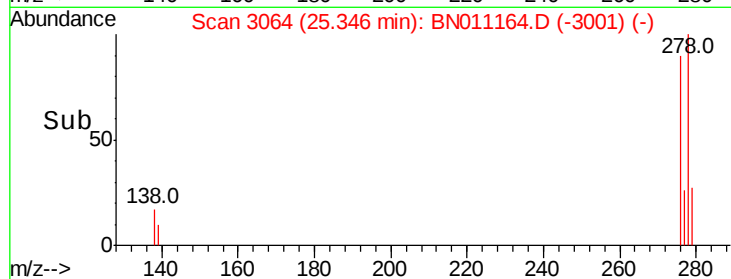
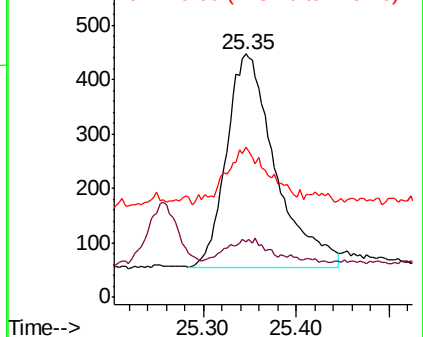
279 61.7 25.0 37.6#



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(g,h,i)perylene

Concen: 0.077 ng

RT: 25.95 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BN011164.D

Acq: 14 Jul 2020 18:04

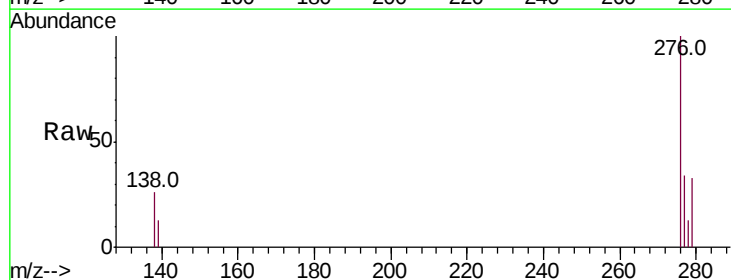
Tgt Ion:276 Resp: 1654

Ion Ratio Lower Upper

276 100

277 33.9 20.5 30.7#

138 25.6 13.8 20.6#



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

