

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
 Data File : BN005050.D
 Acq On : 01 Apr 2019 16:17
 Operator : JU/SJ
 Sample : K1560-03
 Misc : MDL 01 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 02 01:36:47 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Mar 29 03:42:17 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2736	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	11453	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	6740	0.40	ng	0.01
19) Phenanthrene-d10	17.06	188	15895	0.40	ng	0.00
27) Chrysene-d12	21.27	240	15644	0.40	ng	0.01
34) Perylene-d12	23.50	264	14679	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.26	112	2600	0.38	ng	0.00
5) Phenol-d6	6.85	99	2965	0.37	ng	0.00
8) Nitrobenzene-d5	8.84	82	2176	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	6417	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1199	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	10144	0.40	ng	0.01
25) Fluoranthene-d10	19.10	212	15644	0.34	ng	0.00
29) Terphenyl-d14	19.70	244	14902	0.46	ng	0.00

Target Compounds

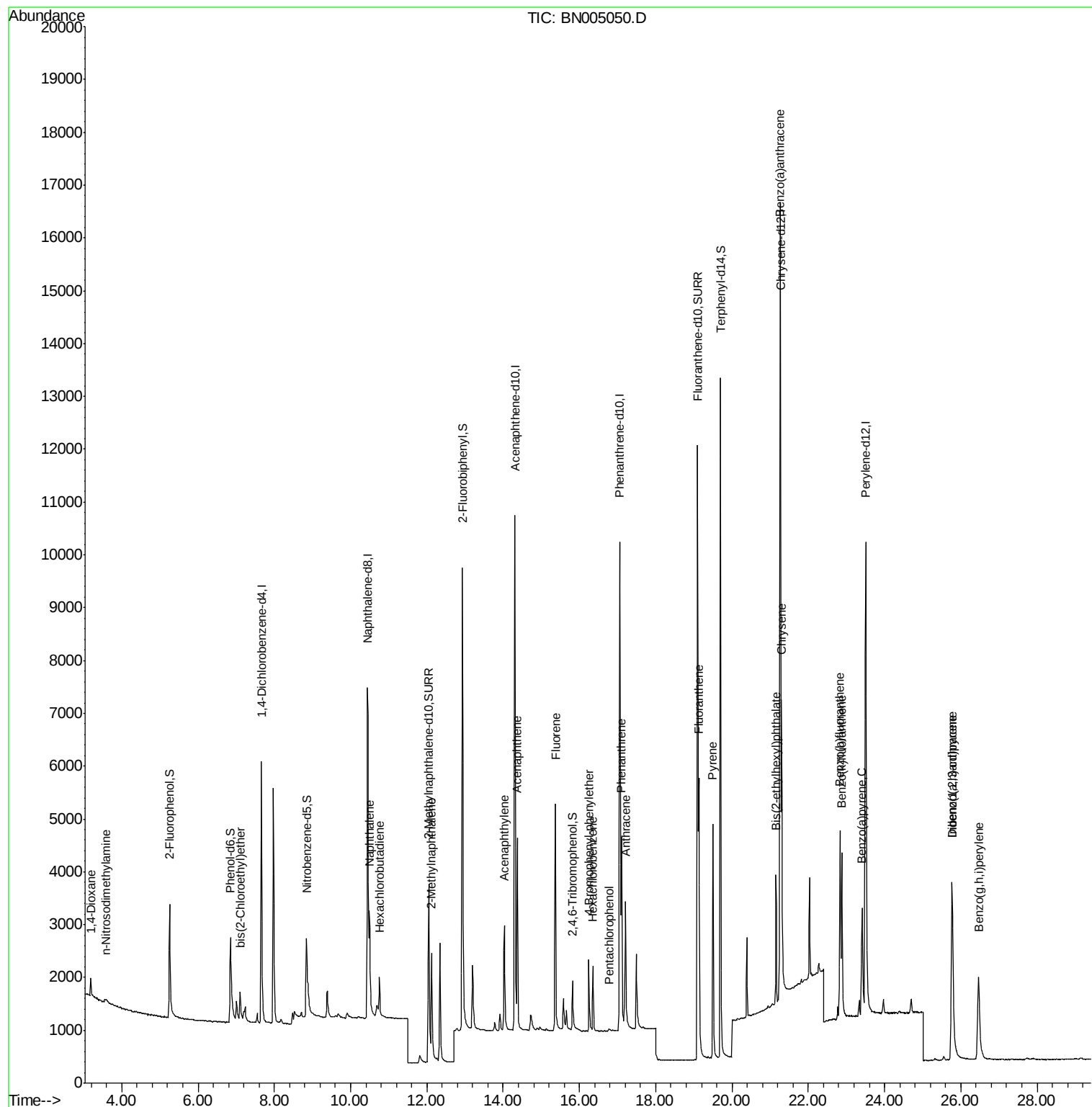
						Qvalue
2) 1,4-Dioxane	3.19	88	316	0.107	ng	93
3) n-Nitrosodimethylamine	3.58	42	101	0.056	ng	# 59
6) bis(2-Chloroethyl)ether	7.10	93	716	0.094	ng	92
9) Naphthalene	10.49	128	2939	0.102	ng	# 92
10) Hexachlorobutadiene	10.76	225	558	0.104	ng	# 99
12) 2-Methylnaphthalene	12.12	142	1992	0.096	ng	98
16) Acenaphthylene	14.03	152	2715	0.085	ng	99
17) Acenaphthene	14.37	154	1968	0.097	ng	100
18) Fluorene	15.37	166	2581	0.095	ng	99
20) 4-Bromophenyl-phenylether	16.25	248	834	0.092	ng	# 84
21) Hexachlorobenzene	16.36	284	1024	0.102	ng	97
22) Pentachlorophenol	16.77	266	59	0.119	ng	# 73
23) Phenanthrene	17.10	178	4192	0.094	ng	99
24) Anthracene	17.21	178	3420	0.086	ng	99
26) Fluoranthene	19.13	202	4937	0.091	ng	99
28) Pyrene	19.50	202	4916	0.111	ng	100
30) Benzo(a)anthracene	21.26	228	4011	0.091	ng	97
31) Chrysene	21.30	228	4942	0.104	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	2435	0.132	ng	100
33) Indeno(1,2,3-cd)pyrene	25.77	276	4870	0.091	ng	98
35) Benzo(b)fluoranthene	22.83	252	4604	0.098	ng	# 87
36) Benzo(k)fluoranthene	22.88	252	4625	0.102	ng	# 86
37) Benzo(a)pyrene	23.41	252	3965	0.095	ng	# 78
38) Dibenzo(a,h)anthracene	25.78	278	3905	0.093	ng	# 85
39) Benzo(g,h,i)perylene	26.47	276	4191	0.099	ng	92

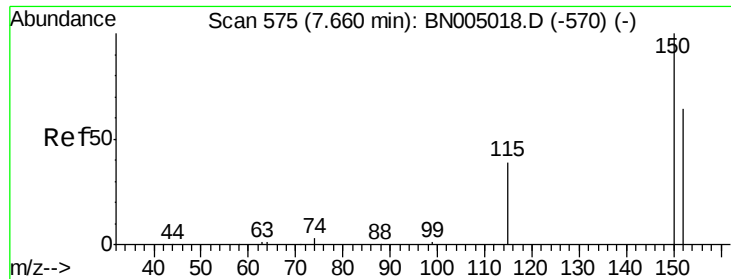
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
Data File : BN005050.D
Acq On : 01 Apr 2019 16:17
Operator : JU/SJ
Sample : K1560-03
Misc : MDL 01 PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 02 01:36:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

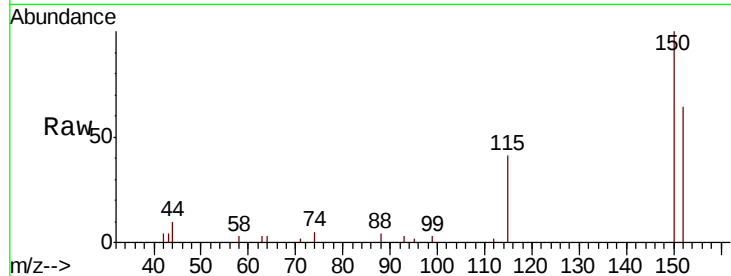
Tgt Ion:152 Resp: 2736

Ion Ratio Lower Upper

152 100

150 156.1 123.4 185.2

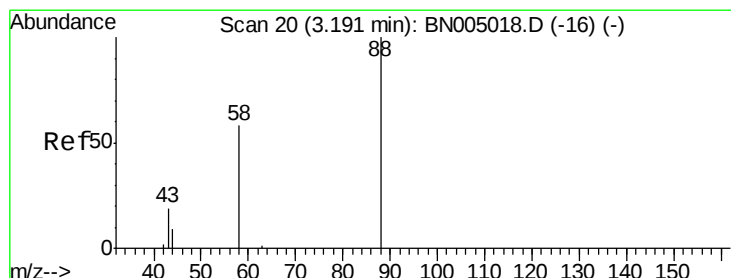
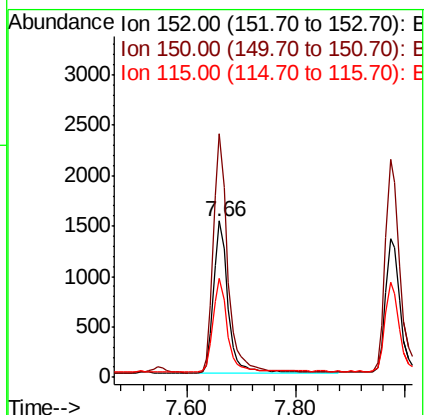
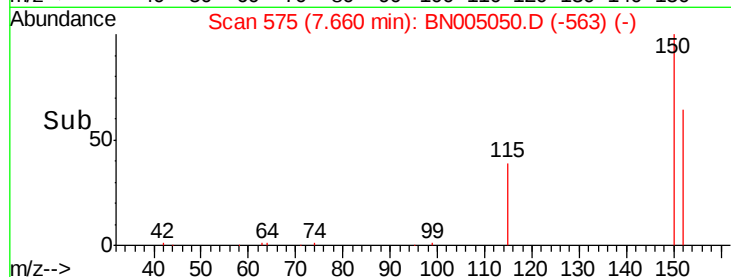
115 63.6 50.0 75.0



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: 0.107 ng

RT: 3.19 min Scan# 20

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

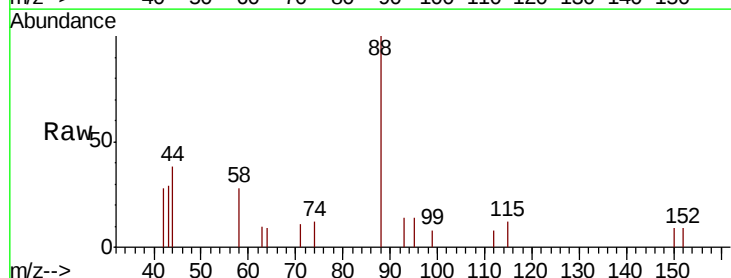
Tgt Ion: 88 Resp: 316

Ion Ratio Lower Upper

88 100

58 61.1 52.8 79.2

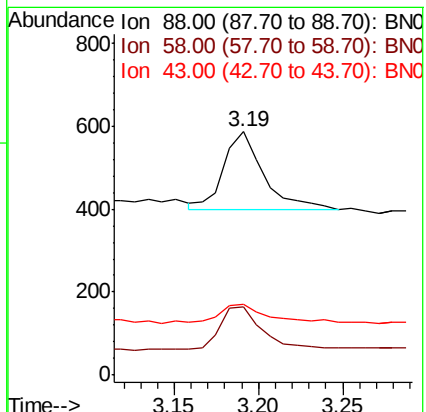
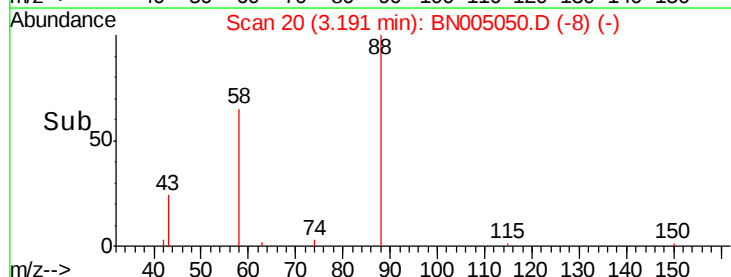
43 29.1 19.6 29.4

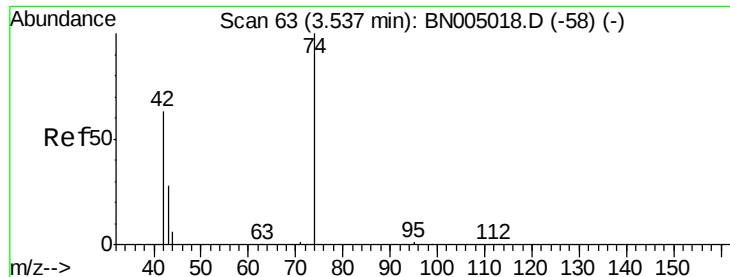


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.056 ng

RT: 3.58 min Scan# 68

Delta R.T. 0.04 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

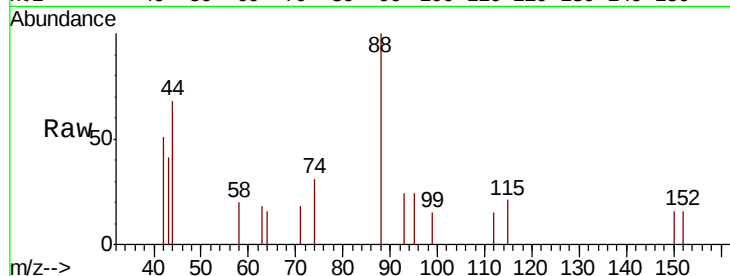
Tgt Ion: 42 Resp: 101

Ion Ratio Lower Upper

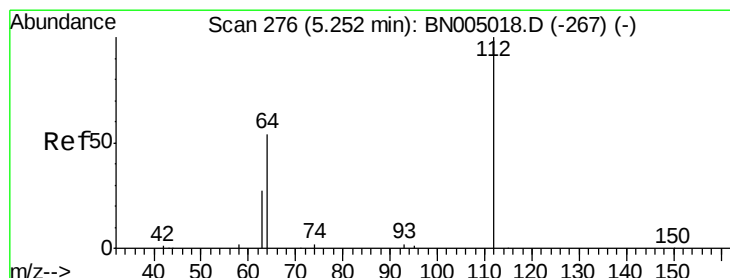
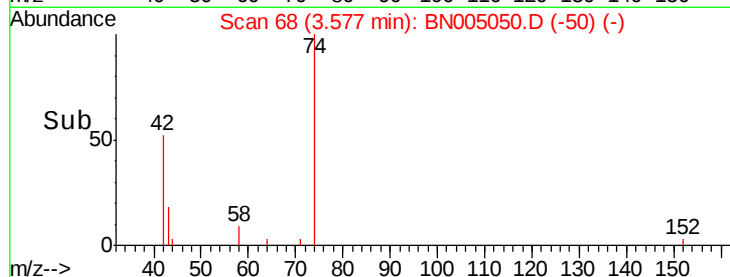
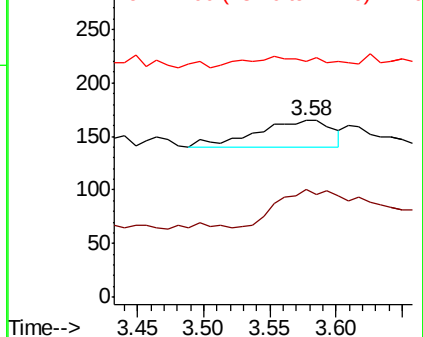
42 100

74 106.9 129.1 193.7#

44 0.0 11.6 17.4#



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: 0.381 ng

RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

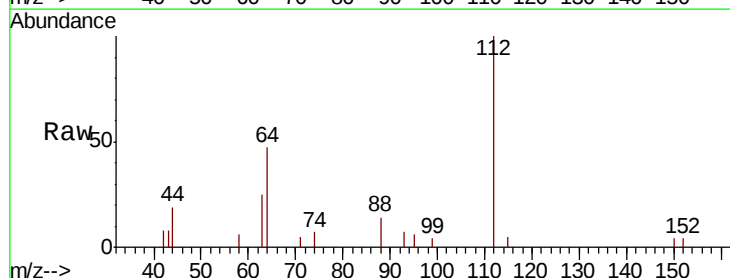
Tgt Ion: 112 Resp: 2600

Ion Ratio Lower Upper

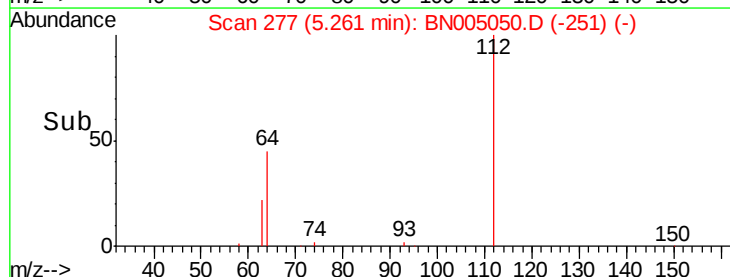
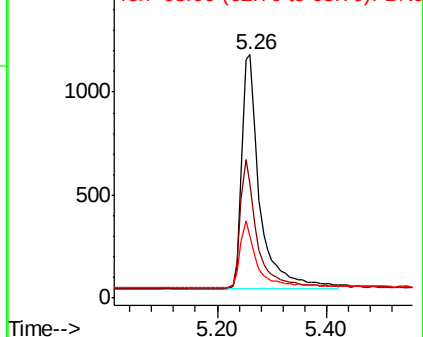
112 100

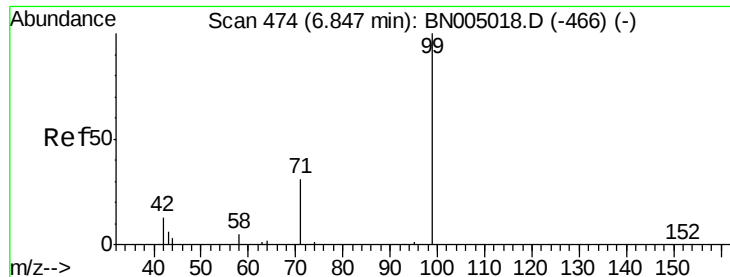
64 52.1 41.9 62.9

63 26.0 21.5 32.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.367 ng

RT: 6.85 min Scan# 474

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

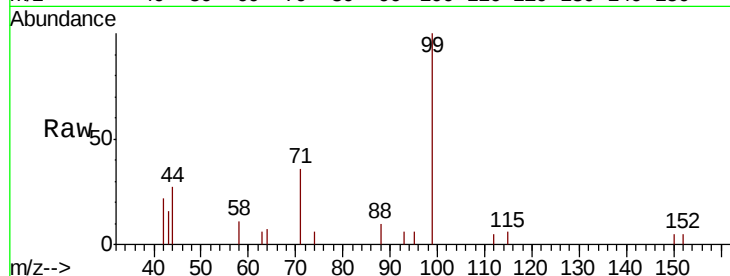
Tgt Ion: 99 Resp: 2965

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

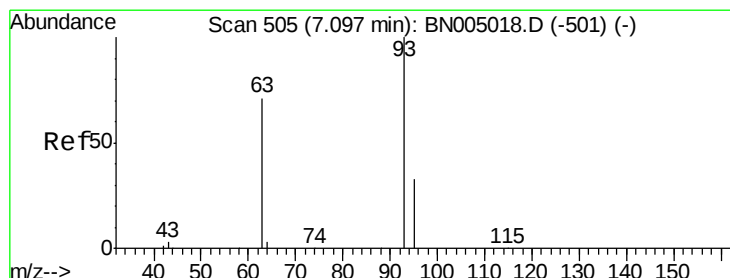
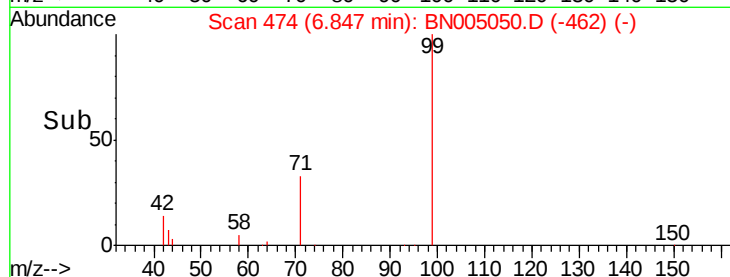
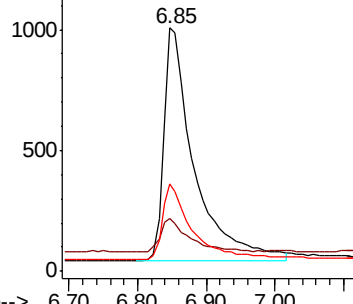
71 31.7 26.1 39.1



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: 0.094 ng

RT: 7.10 min Scan# 506

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

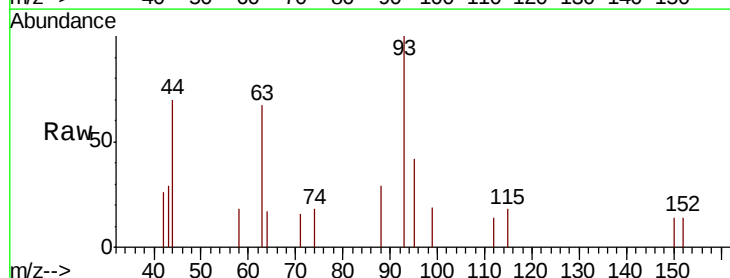
Tgt Ion: 93 Resp: 716

Ion Ratio Lower Upper

93 100

63 57.4 51.8 77.6

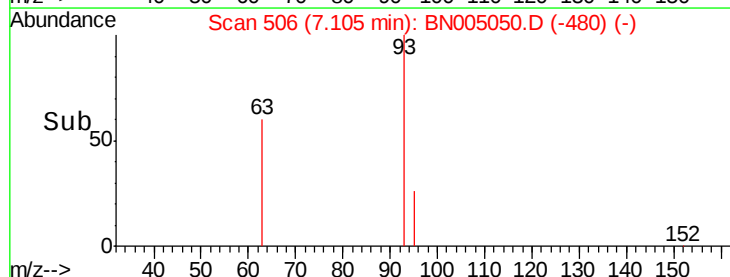
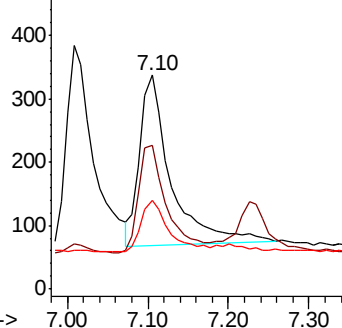
95 27.2 24.8 37.2

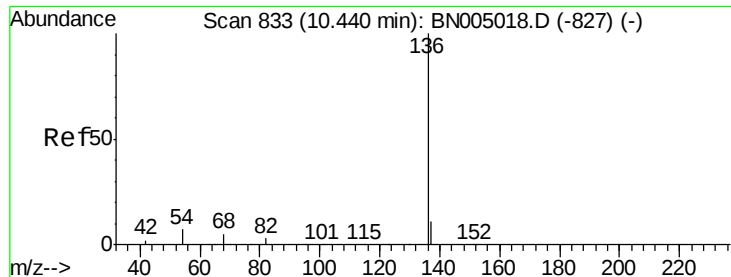


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:136 Resp: 11453

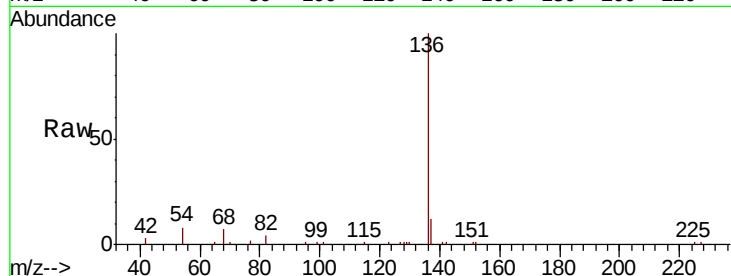
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 8.1 6.0 9.0

68 7.0 5.0 7.6

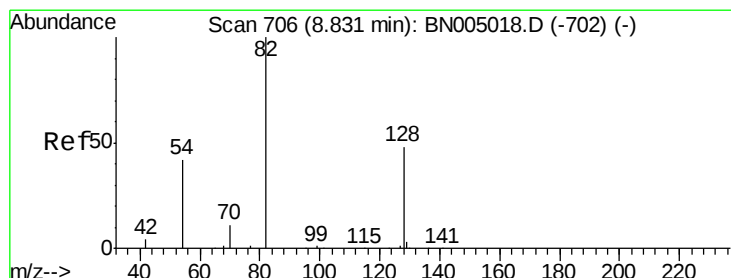
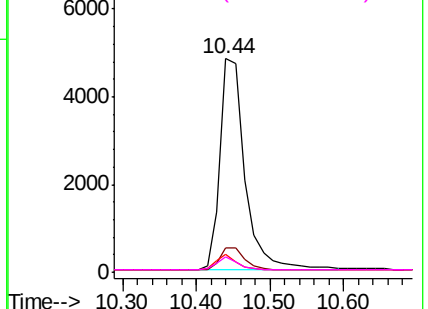
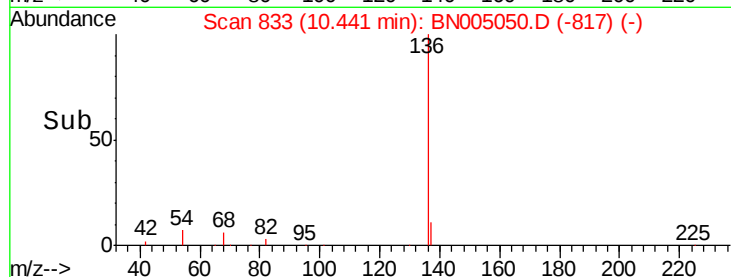


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.328 ng

RT: 8.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

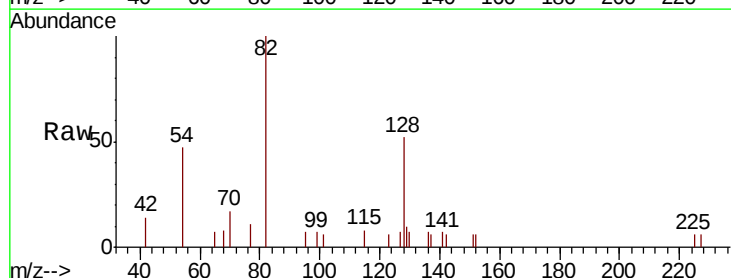
Tgt Ion: 82 Resp: 2176

Ion Ratio Lower Upper

82 100

128 52.3 40.5 60.7

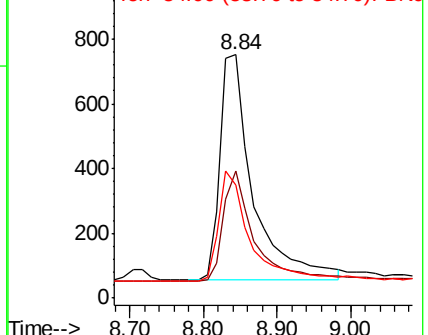
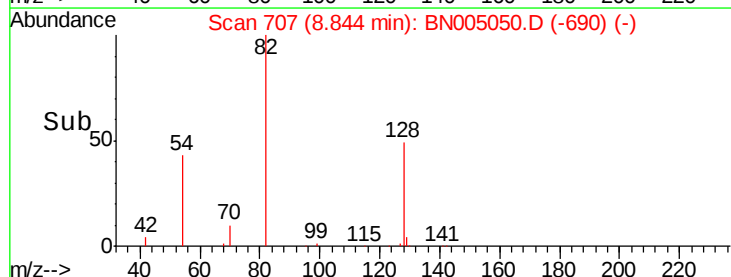
54 46.5 35.7 53.5

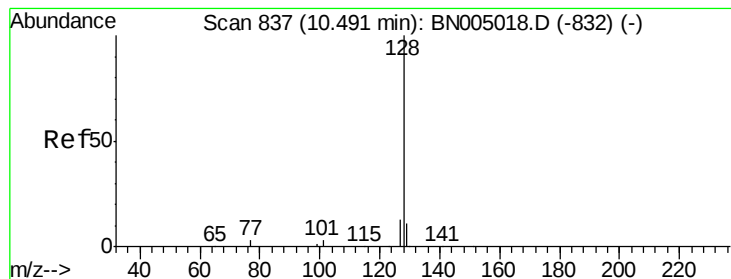


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.102 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

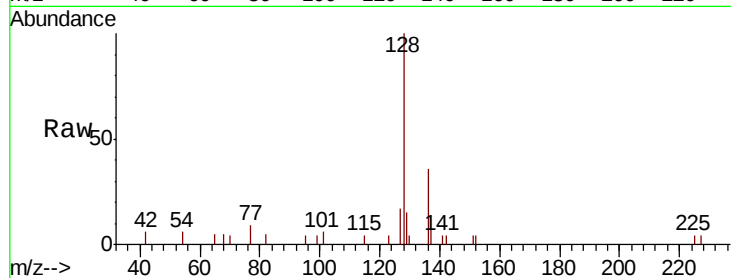
Tgt Ion:128 Resp: 2939

Ion Ratio Lower Upper

128 100

129 14.8 9.4 14.2#

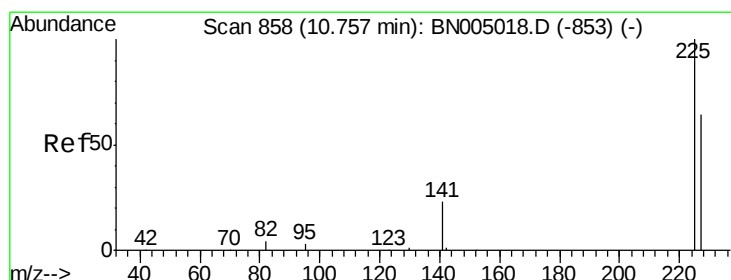
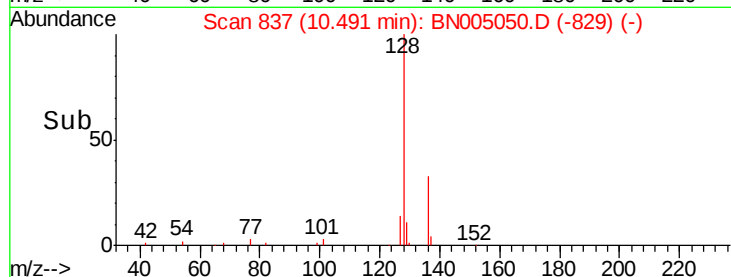
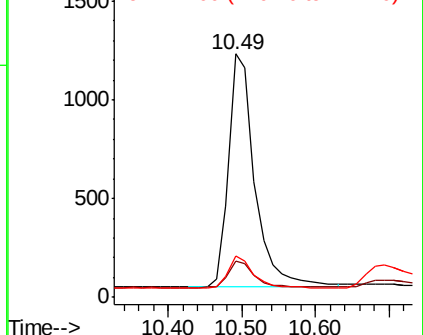
127 17.0 11.0 16.6#



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: 0.104 ng

RT: 10.76 min Scan# 858

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

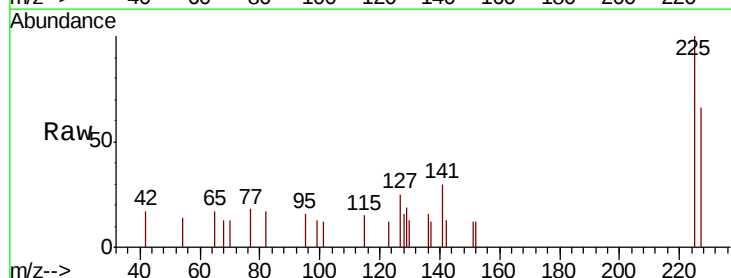
Tgt Ion:225 Resp: 558

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

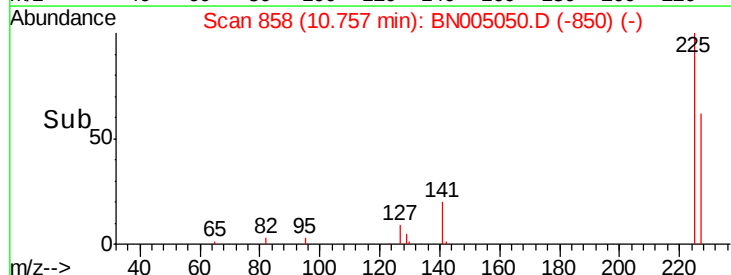
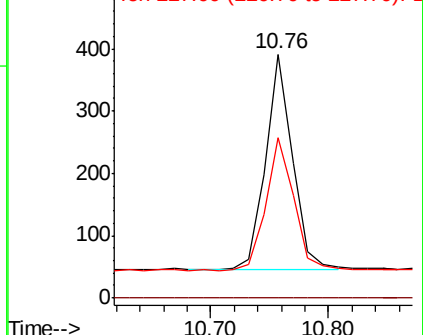
227 63.8 51.5 77.3

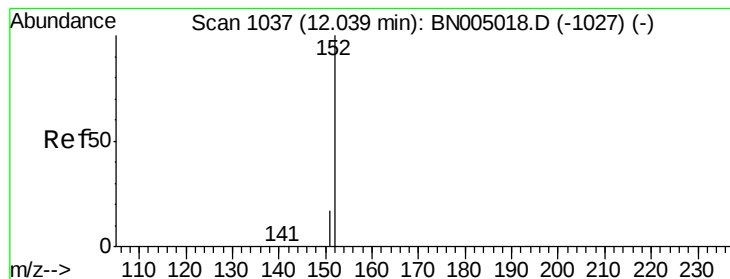


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

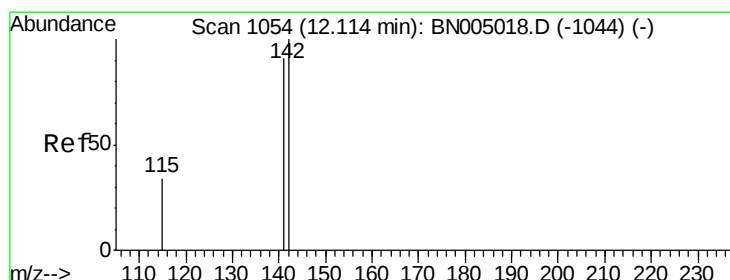
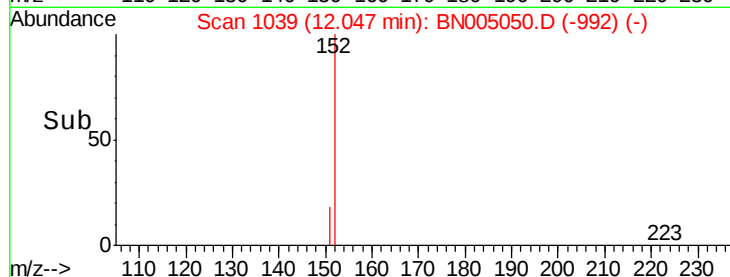
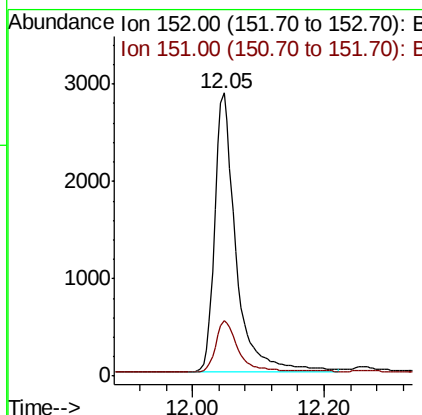
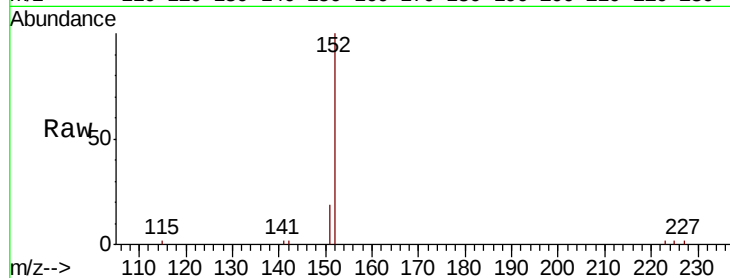




#11
 2-Methylnaphthalene-d10
 Concen: 0.362 ng
 RT: 12.05 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BN005050.D
 Acq: 01 Apr 2019 16:17

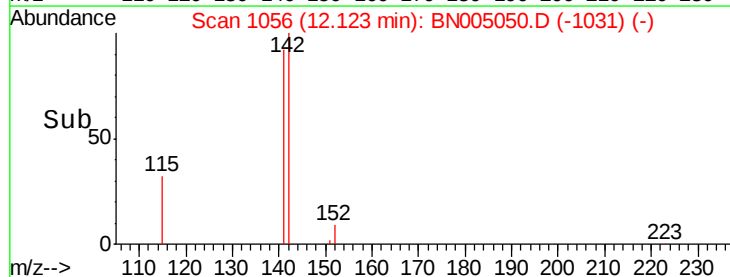
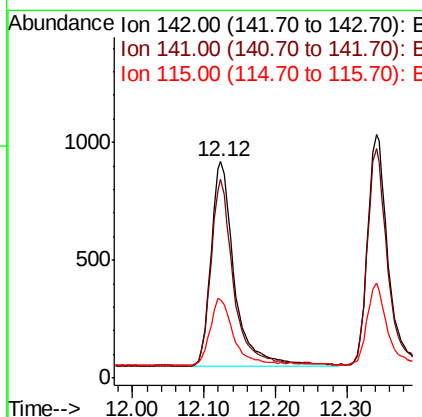
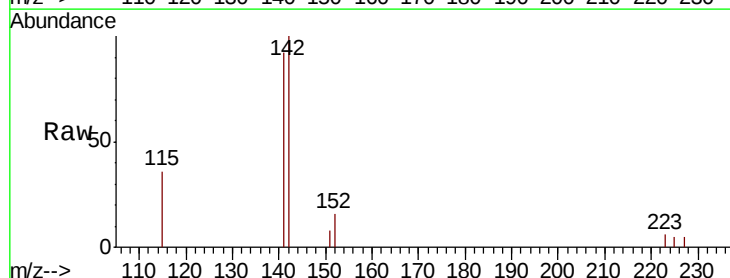
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

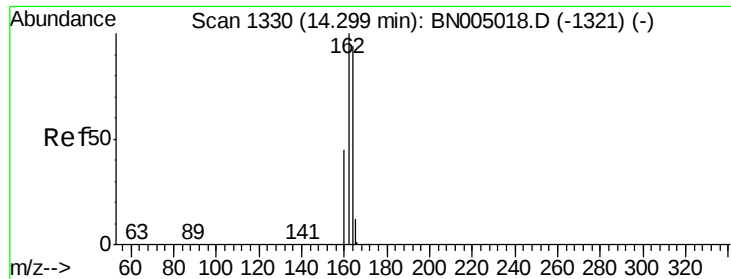
Tgt Ion:152 Resp: 6417
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.096 ng
 RT: 12.12 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: BN005050.D
 Acq: 01 Apr 2019 16:17

Tgt Ion:142 Resp: 1992
 Ion Ratio Lower Upper
 142 100
 141 91.8 72.6 108.8
 115 36.5 27.8 41.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

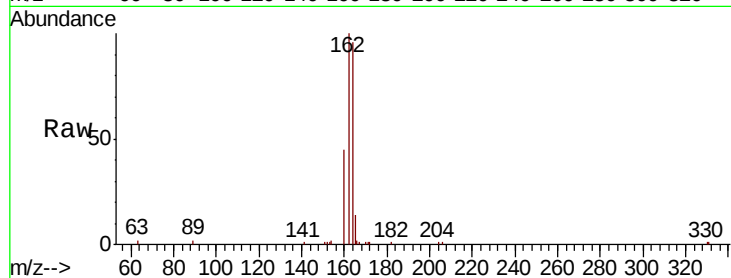
Tgt Ion:164 Resp: 6740

Ion Ratio Lower Upper

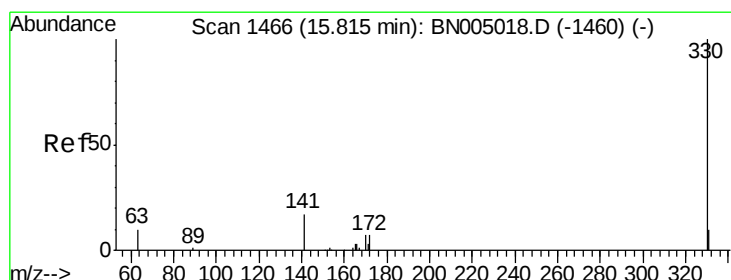
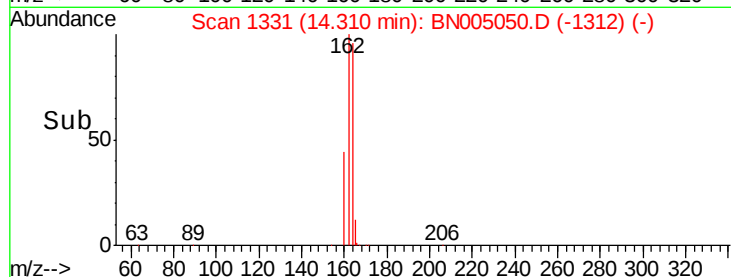
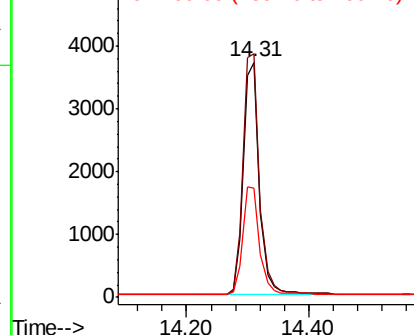
164 100

162 103.7 85.3 127.9

160 46.4 39.2 58.8



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: 0.317 ng

RT: 15.81 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

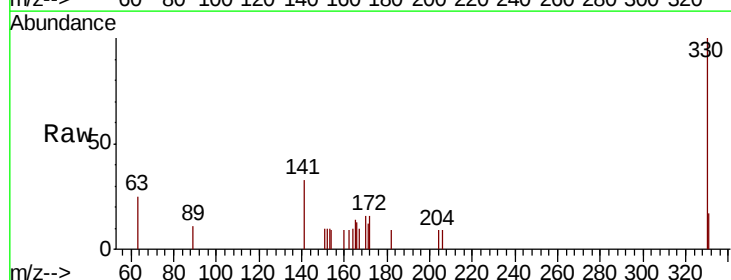
Tgt Ion:330 Resp: 1199

Ion Ratio Lower Upper

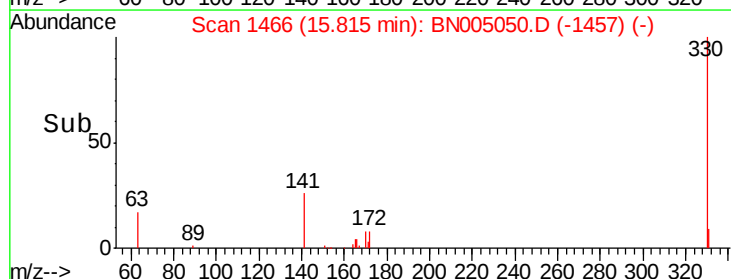
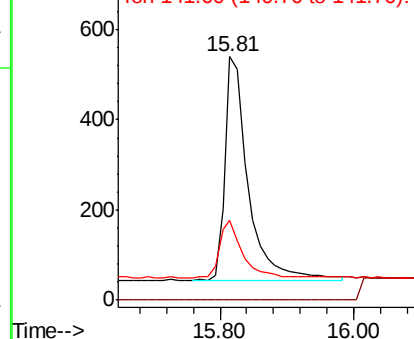
330 100

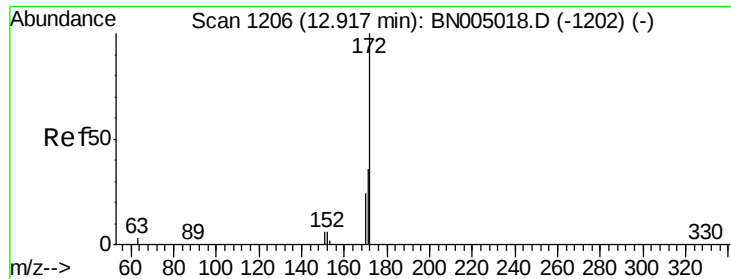
332 0.0 0.0 0.0

141 26.8 21.3 31.9



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

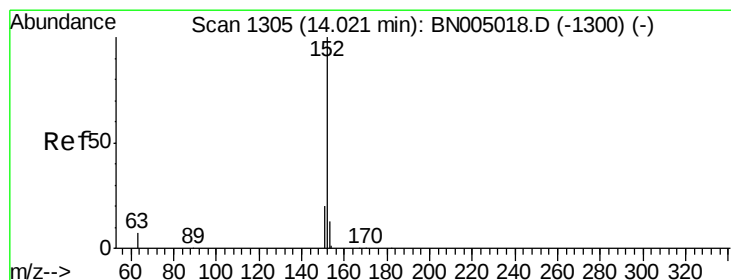
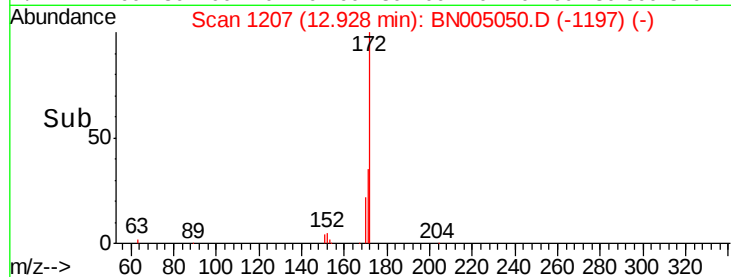
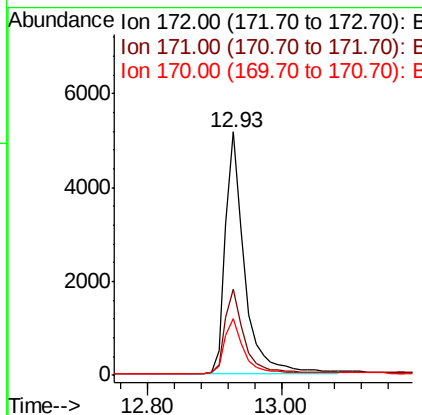
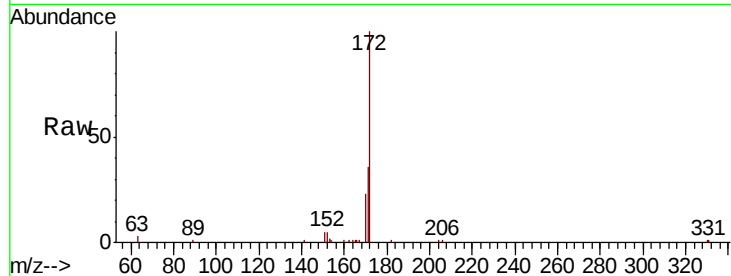




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

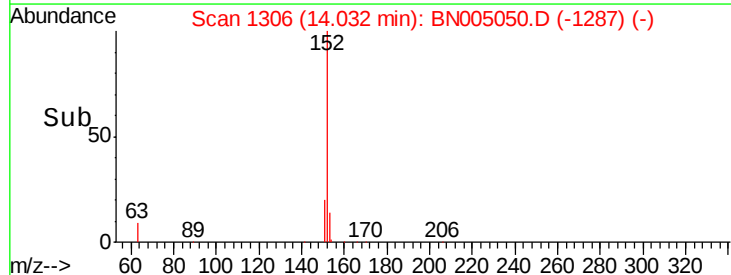
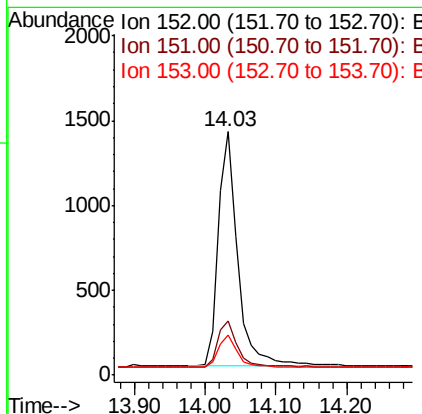
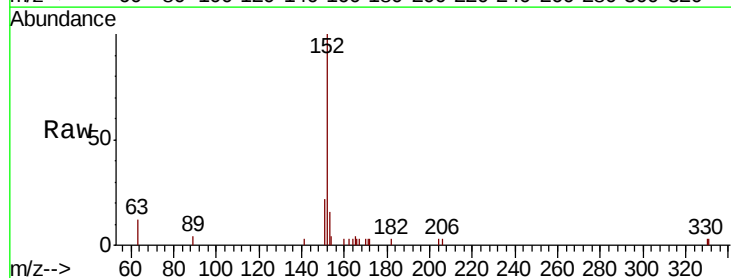
Instrument :
BNA_N
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

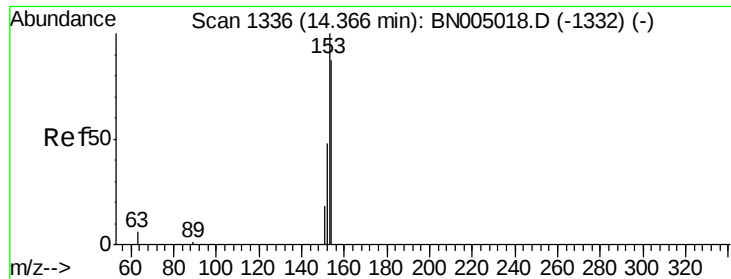
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.2	20.0	30.0



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN005050.D
Acq: 01 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.1	10.6	15.8





#17

Acenaphthene

Concen: 0.097 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

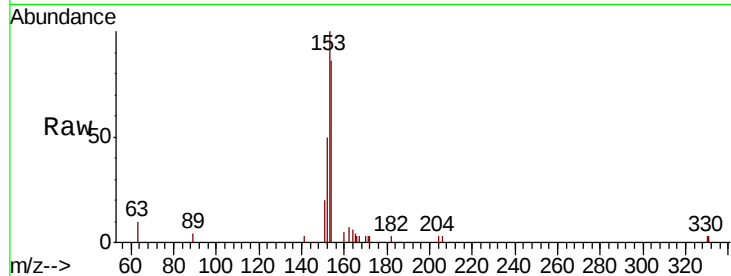
Tgt Ion:154 Resp: 1968

Ion Ratio Lower Upper

154 100

153 115.0 92.1 138.1

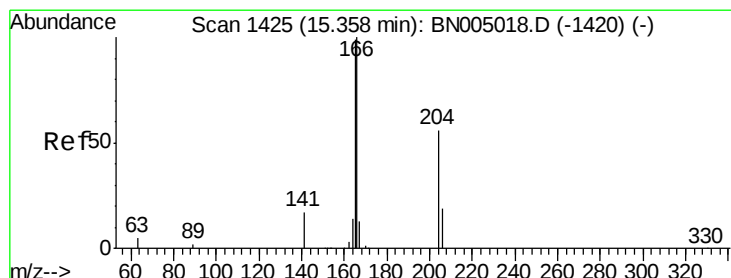
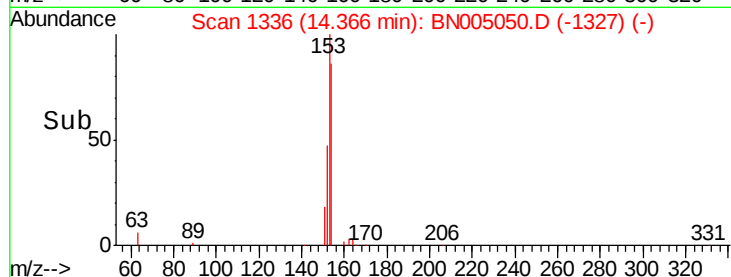
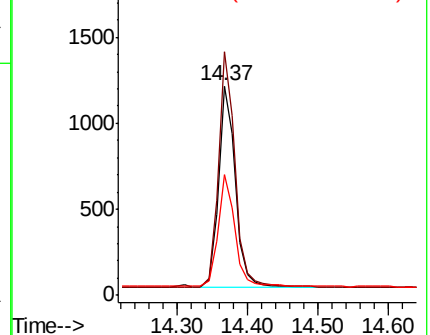
152 55.6 44.2 66.2



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: 0.095 ng

RT: 15.37 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

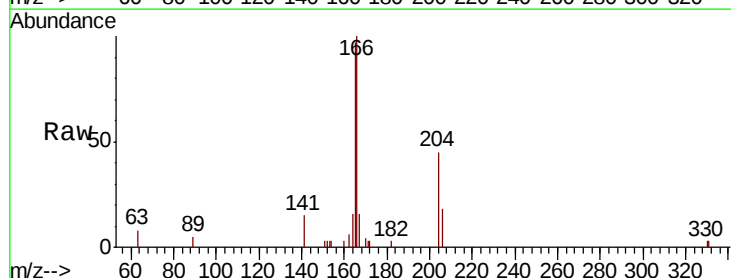
Tgt Ion:166 Resp: 2581

Ion Ratio Lower Upper

166 100

165 97.8 78.7 118.1

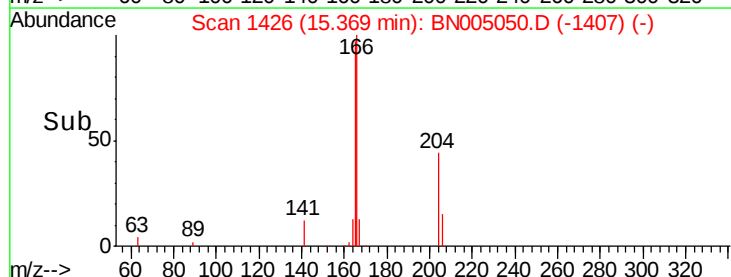
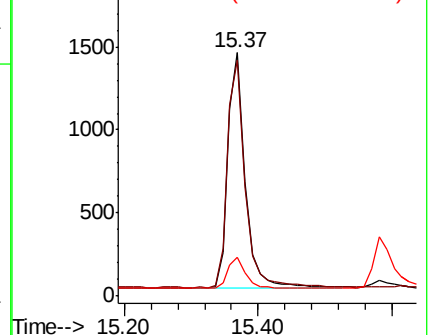
167 13.6 10.9 16.3

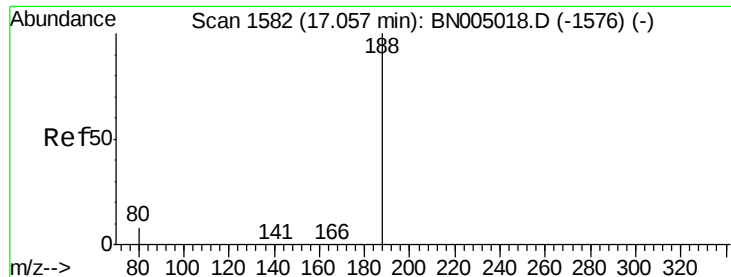


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

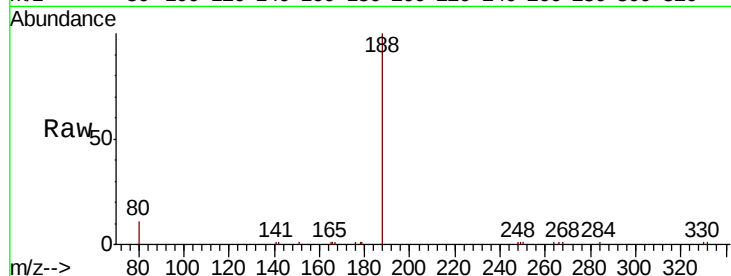
Tgt Ion:188 Resp: 15895

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

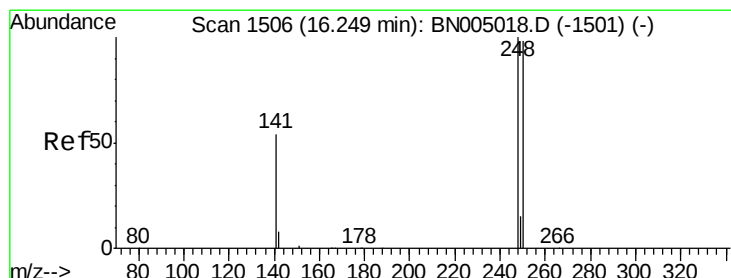
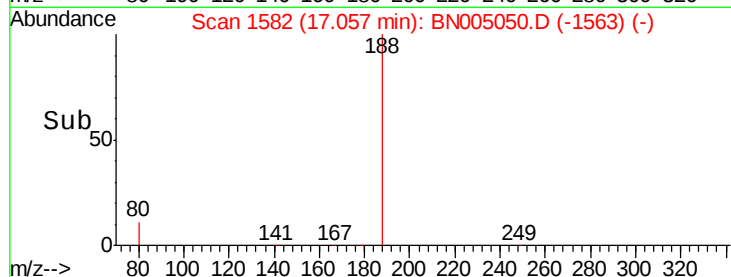
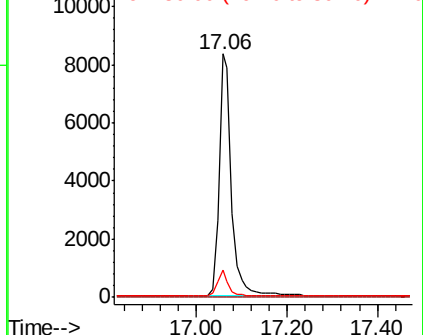
80 11.2 6.9 10.3#



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-Bromophenyl-phenylether

Concen: 0.092 ng

RT: 16.25 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

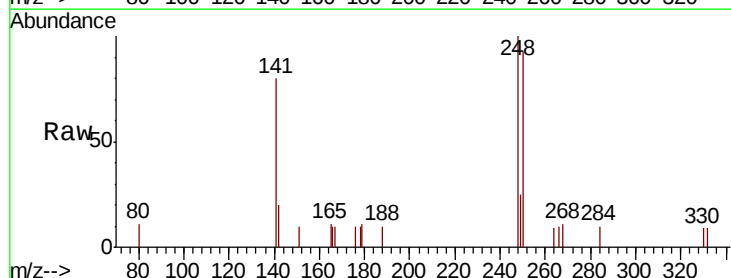
Tgt Ion:248 Resp: 834

Ion Ratio Lower Upper

248 100

250 92.6 78.6 117.8

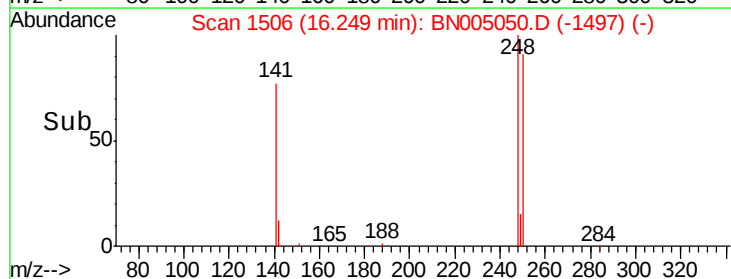
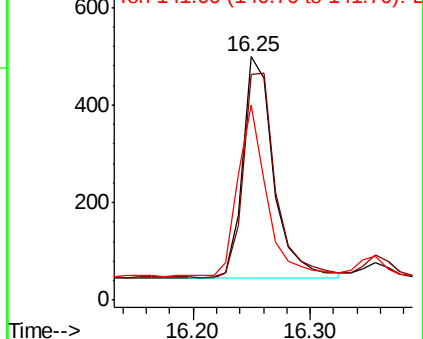
141 80.4 43.6 65.4#

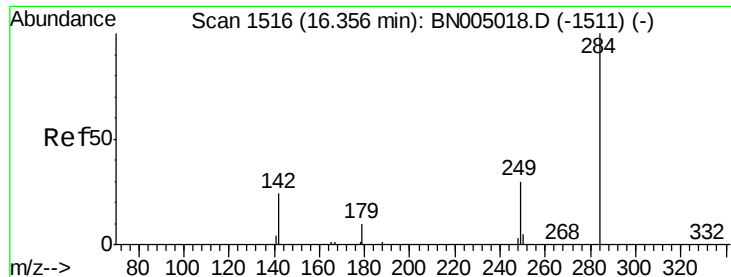


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.102 ng

RT: 16.36 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

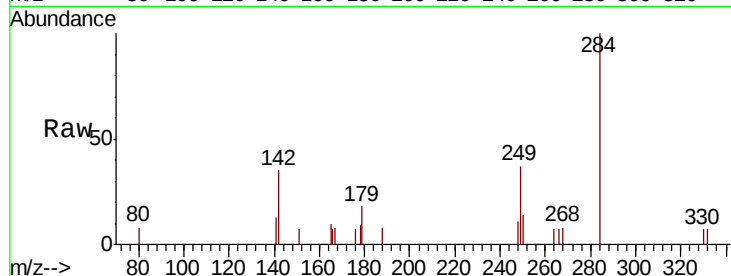
Tgt Ion:284 Resp: 1024

Ion Ratio Lower Upper

284 100

142 29.0 24.9 37.3

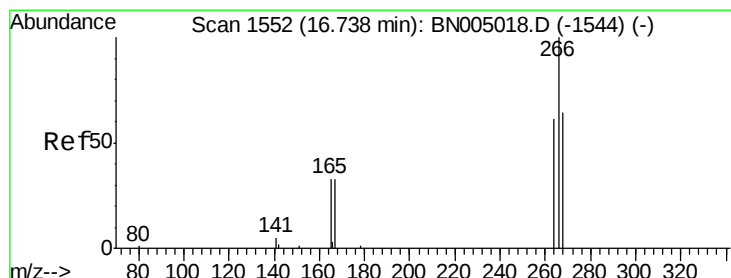
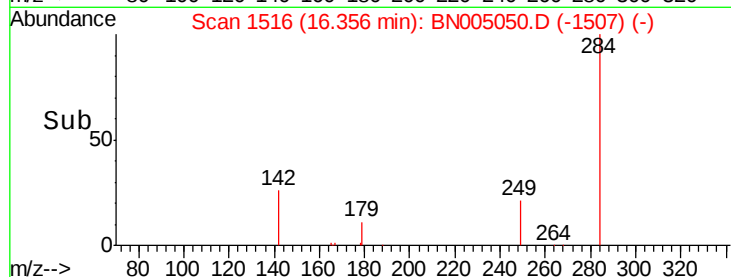
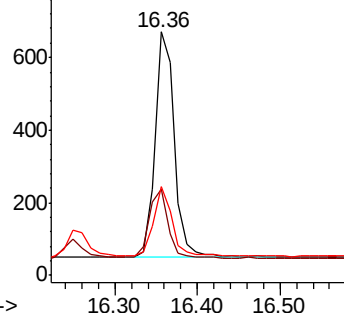
249 28.8 23.8 35.6



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



#22

Pentachlorophenol

Concen: 0.119 ng

RT: 16.77 min Scan# 1555

Delta R.T. 0.03 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

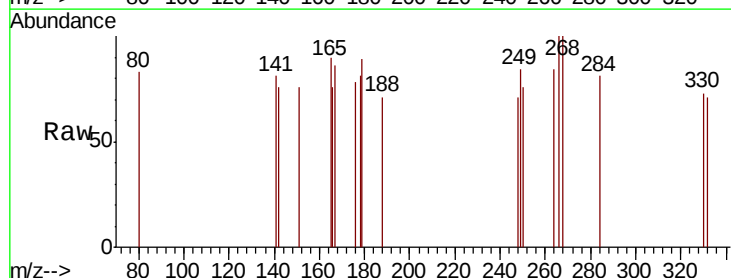
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

264 84.1 53.4 80.0#

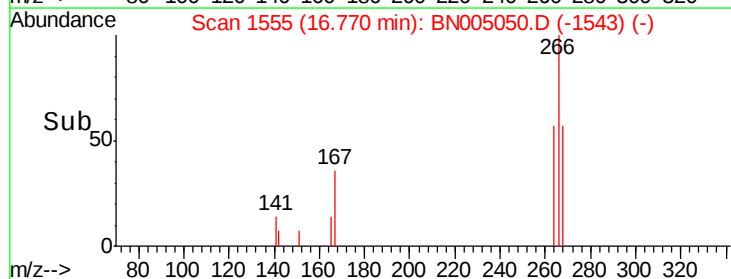
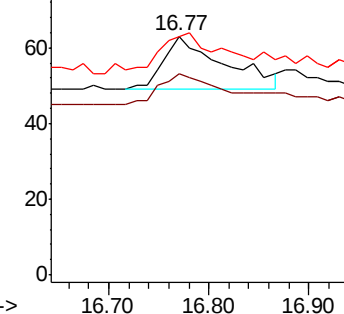
268 100.0 58.9 88.3#

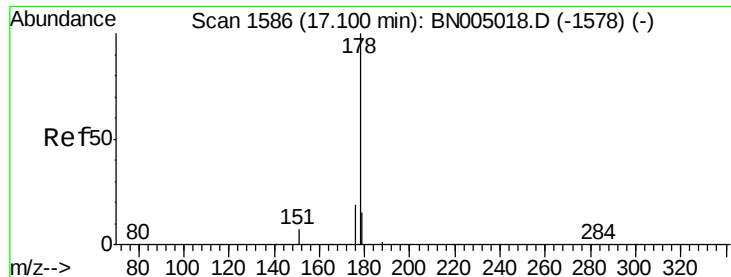


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.094 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

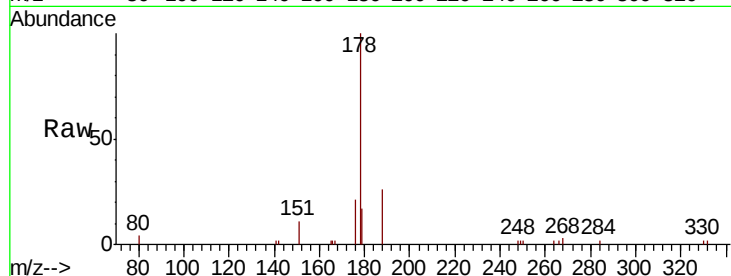
Tgt Ion:178 Resp: 4192

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

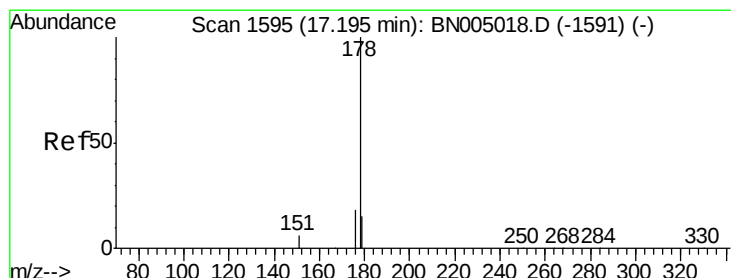
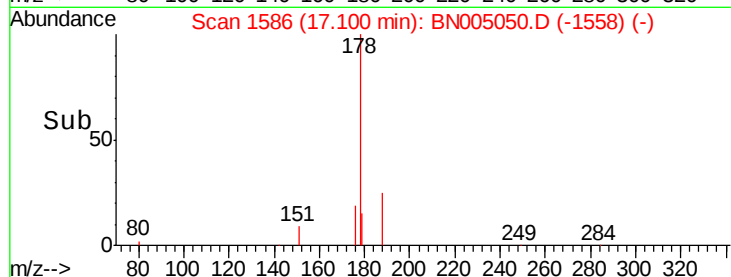
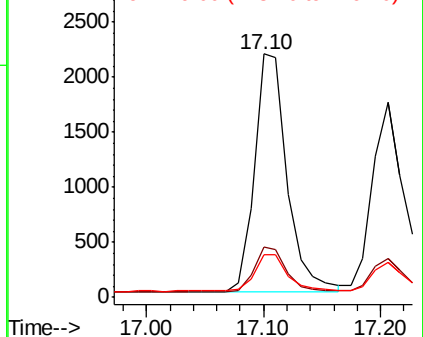
179 15.9 12.2 18.2



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



#24

Anthracene

Concen: 0.086 ng

RT: 17.21 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

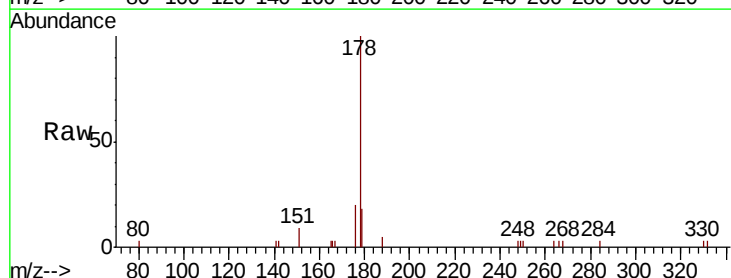
Tgt Ion:178 Resp: 3420

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

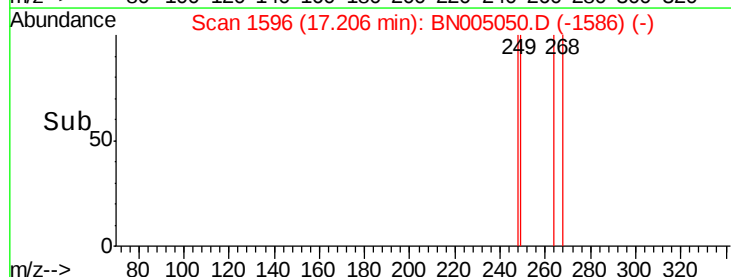
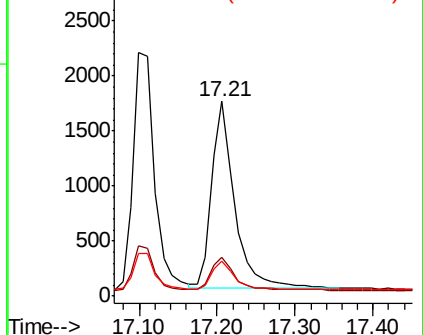
179 15.8 12.3 18.5

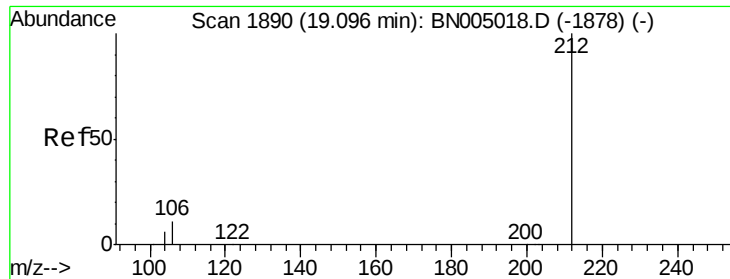


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.345 ng

RT: 19.10 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

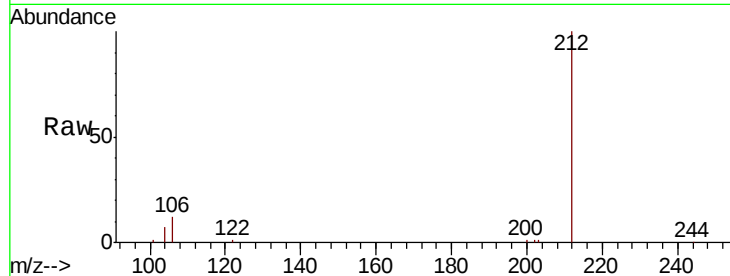
Tgt Ion:212 Resp: 15644

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.2

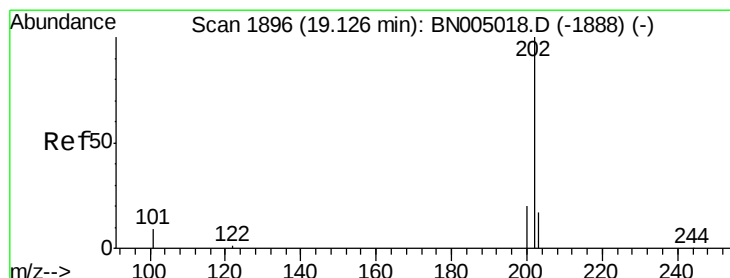
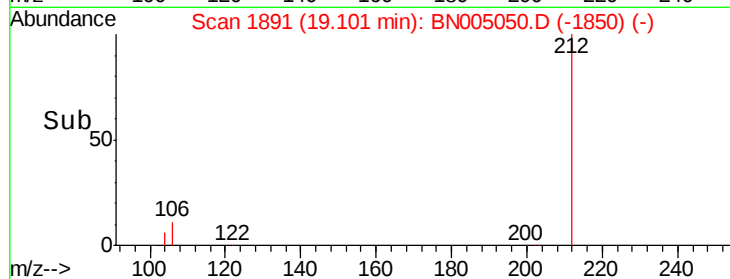
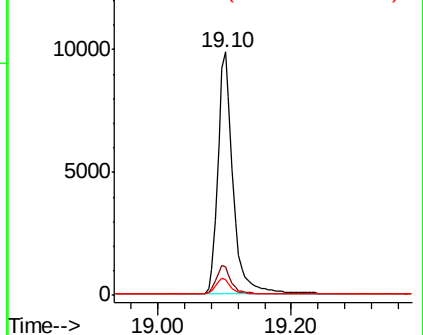
104 6.6 5.4 8.0



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



#26

Fluoranthene

Concen: 0.091 ng

RT: 19.13 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

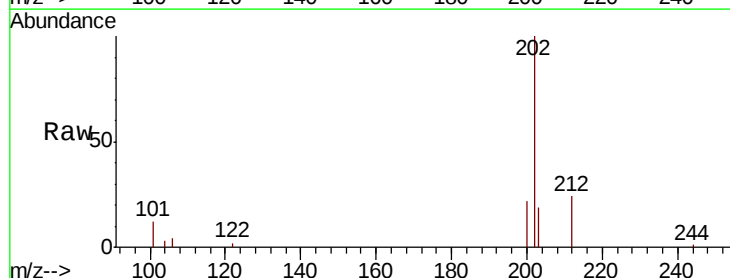
Tgt Ion:202 Resp: 4937

Ion Ratio Lower Upper

202 100

101 10.8 8.2 12.2

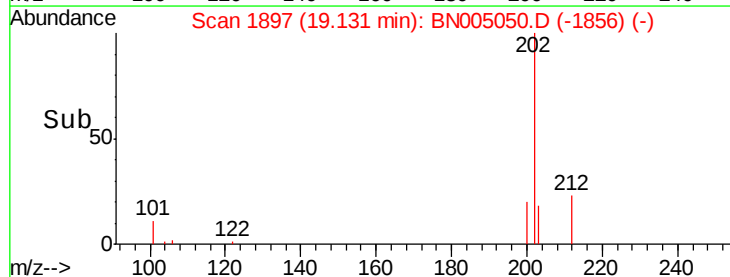
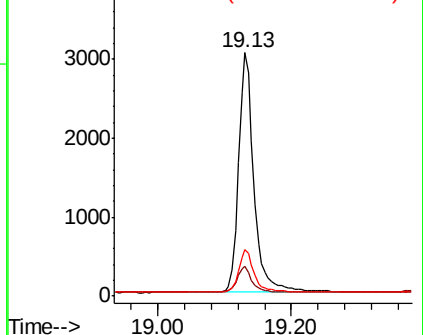
203 17.2 13.8 20.8

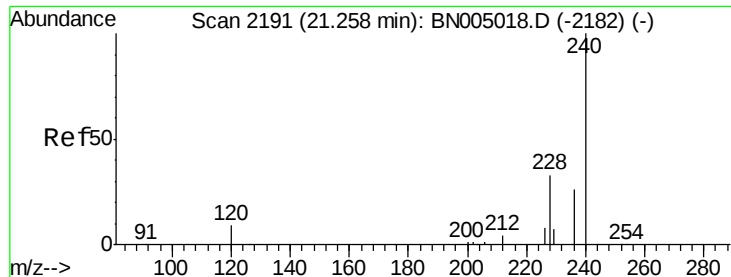


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

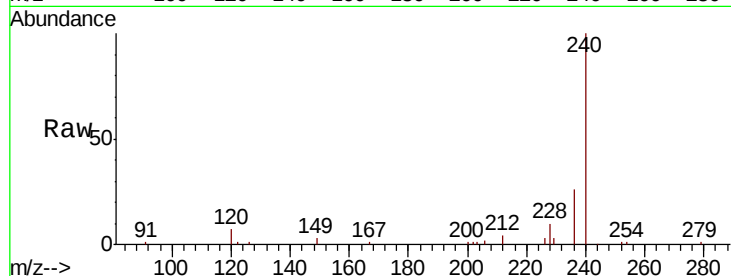
Tgt Ion:240 Resp: 15644

Ion Ratio Lower Upper

240 100

120 7.0 7.4 11.0#

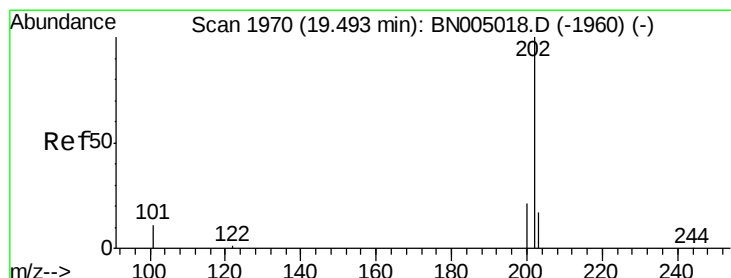
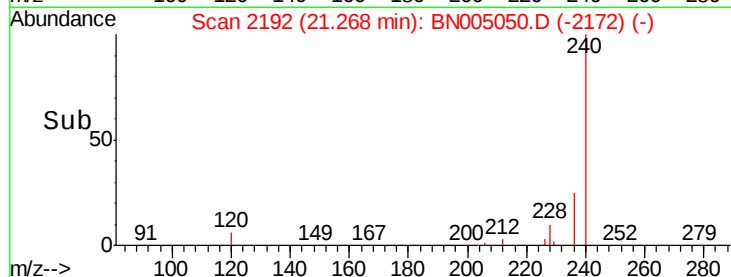
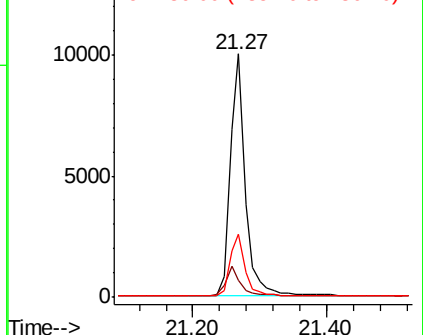
236 25.7 21.0 31.6



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



#28

Pyrene

Concen: 0.111 ng

RT: 19.50 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

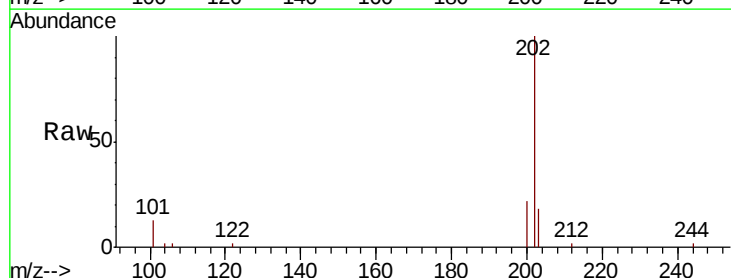
Tgt Ion:202 Resp: 4916

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

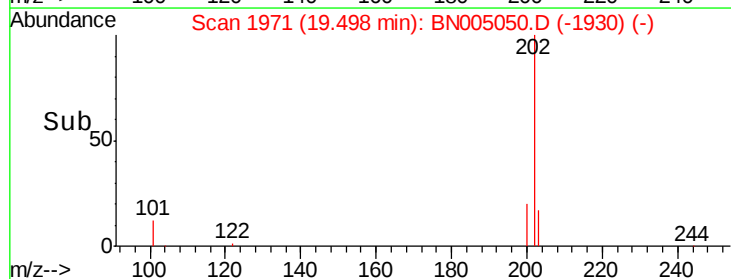
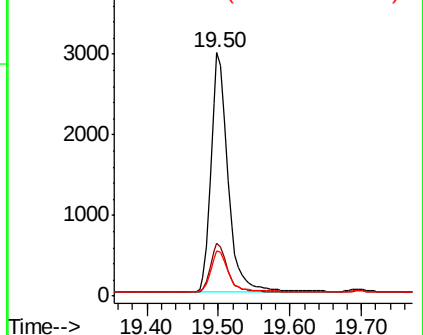
203 17.5 13.9 20.9

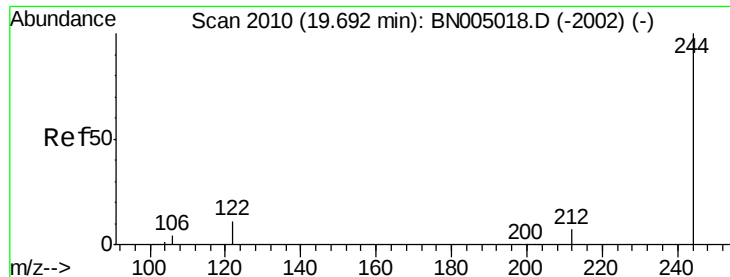


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

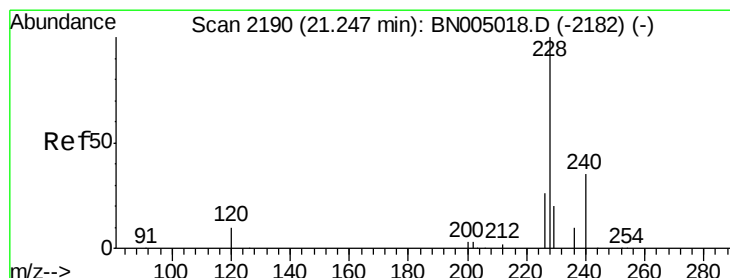
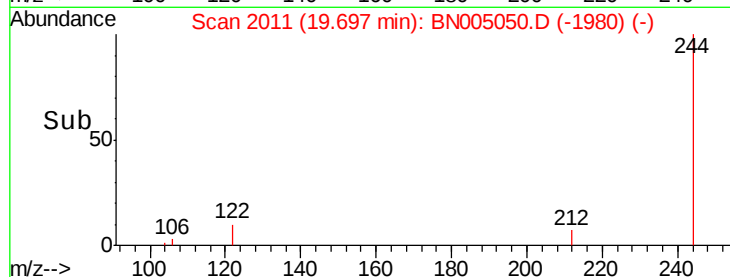
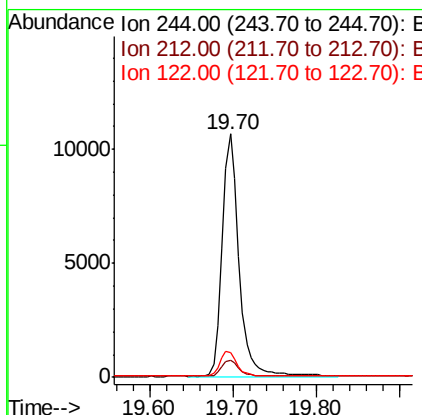
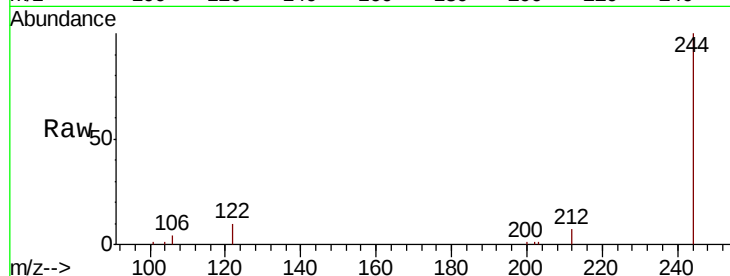




#29
 Terphenyl-d14
 Concen: 0.464 ng
 RT: 19.70 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BN005050.D
 Acq: 01 Apr 2019 16:17

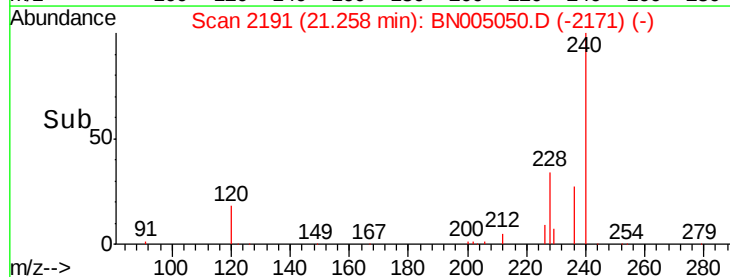
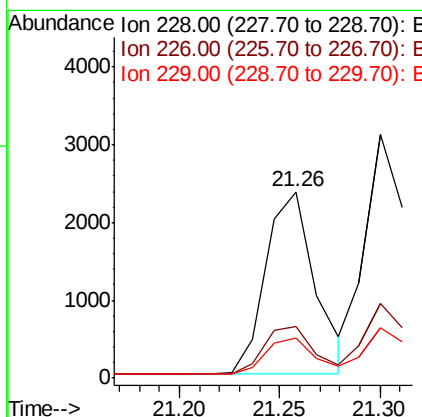
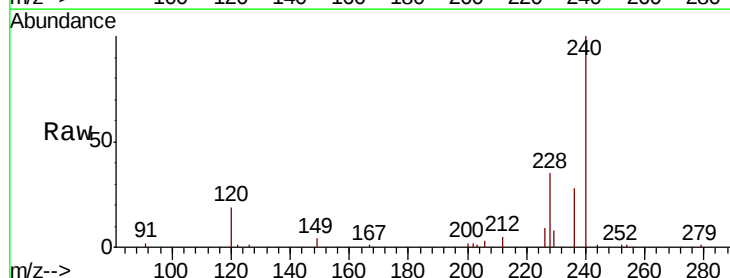
Instrument :
 BNA_N
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

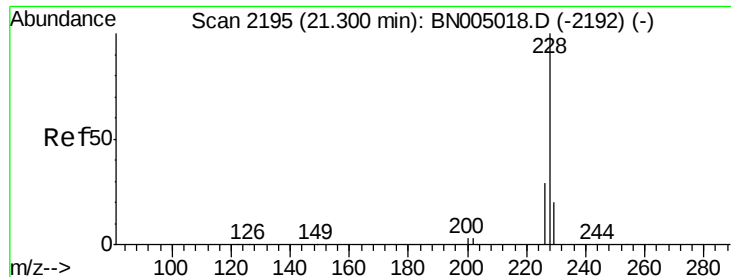
Tgt Ion:244 Resp: 14902
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.2 9.0 13.4



#30
 Benzo(a)anthracene
 Concen: 0.091 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. 0.01 min
 Lab File: BN005050.D
 Acq: 01 Apr 2019 16:17

Tgt Ion:228 Resp: 4011
 Ion Ratio Lower Upper
 228 100
 226 27.4 20.9 31.3
 229 21.8 16.2 24.2





#31

Chrysene

Concen: 0.104 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

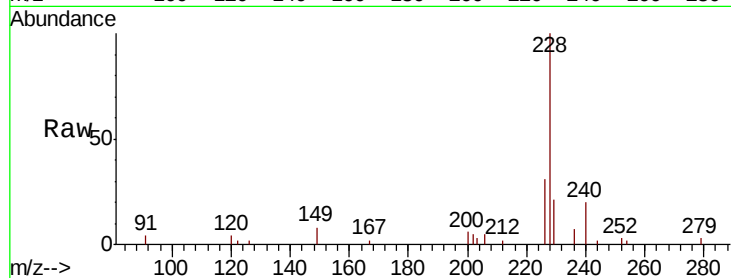
Tgt Ion:228 Resp: 4942

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

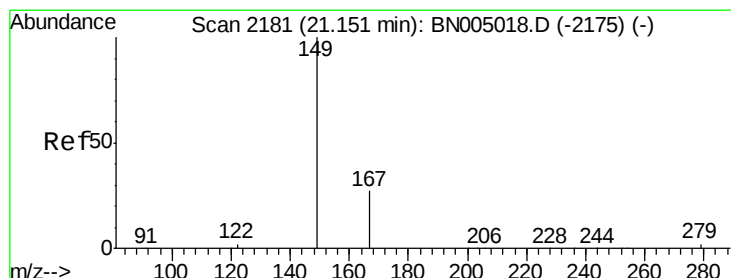
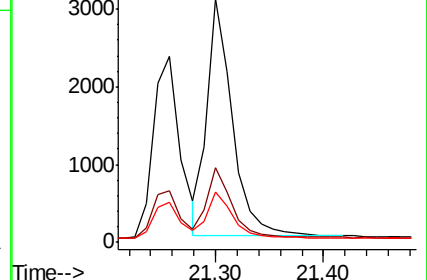
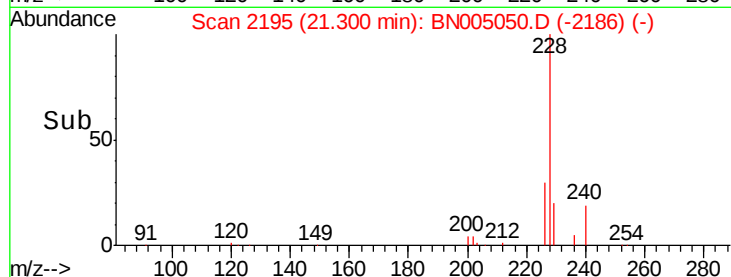
229 20.9 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.132 ng

RT: 21.15 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

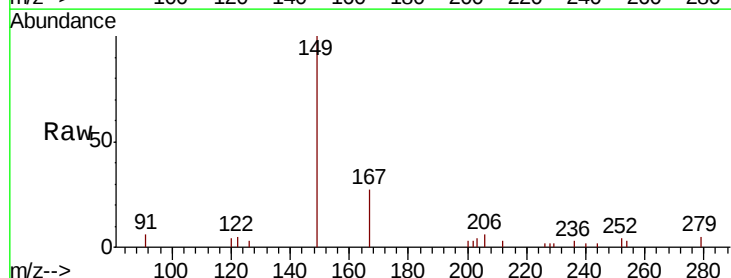
Tgt Ion:149 Resp: 2435

Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.4

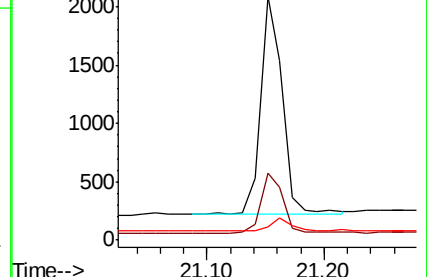
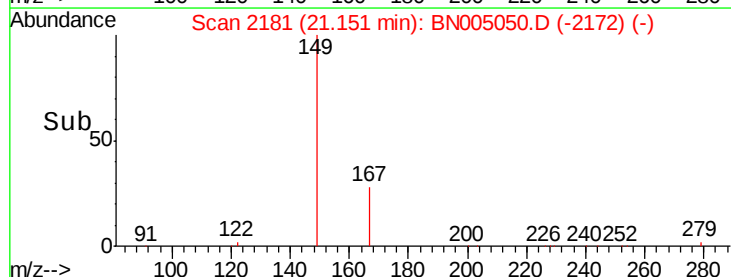
279 5.3 4.2 6.4

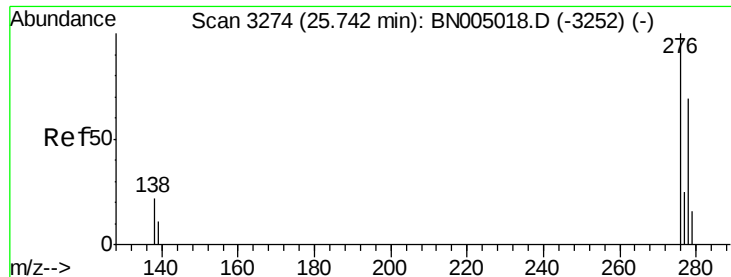


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng

RT: 25.77 min Scan# 3282

Delta R.T. 0.03 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

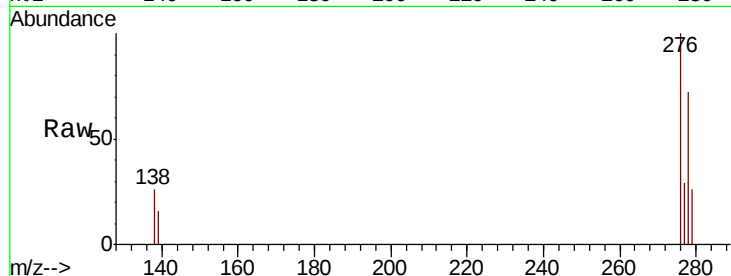
Tgt Ion:276 Resp: 4870

Ion Ratio Lower Upper

276 100

138 21.7 18.2 27.2

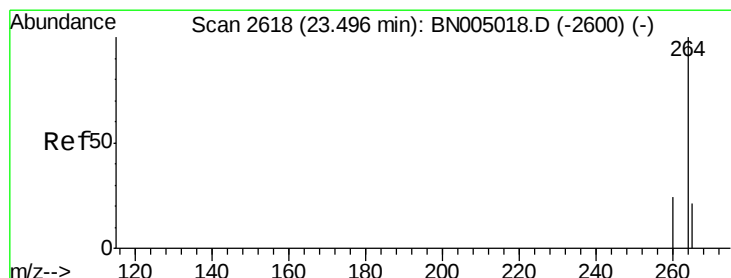
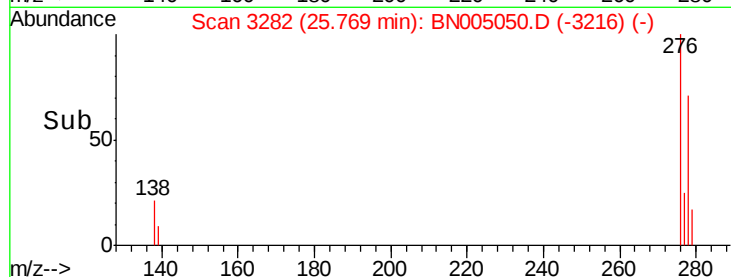
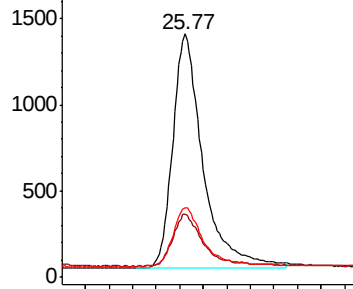
277 24.7 20.3 30.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.50 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

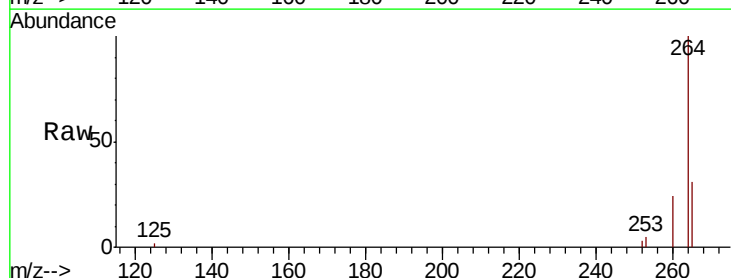
Tgt Ion:264 Resp: 14679

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

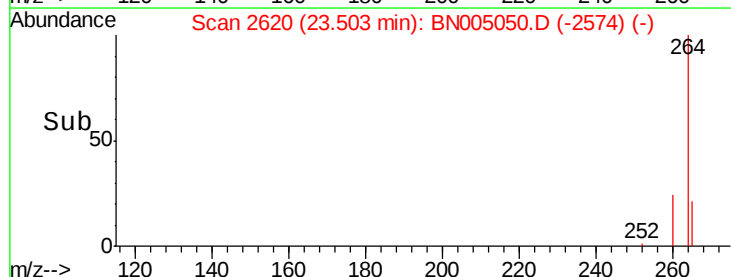
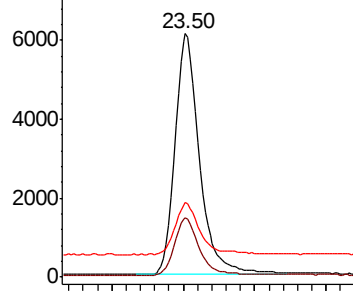
265 30.7 22.5 33.7

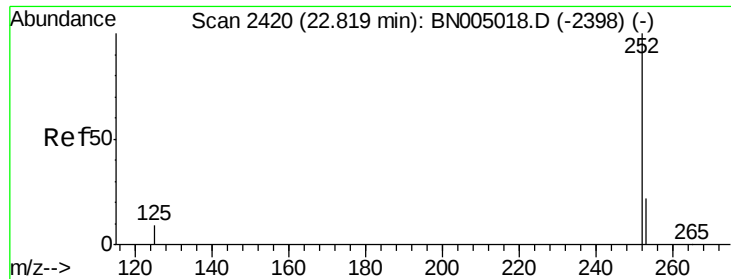


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.098 ng

RT: 22.83 min Scan# 2424

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

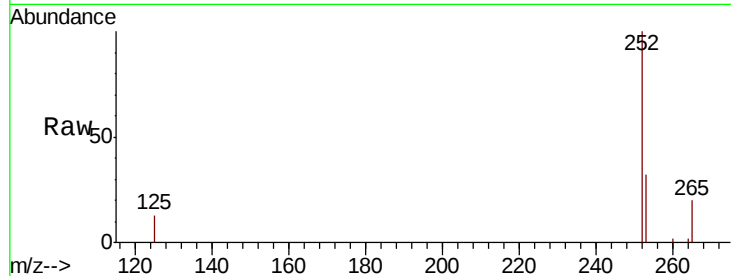
Tgt Ion:252 Resp: 4604

Ion Ratio Lower Upper

252 100

253 31.6 19.2 28.8#

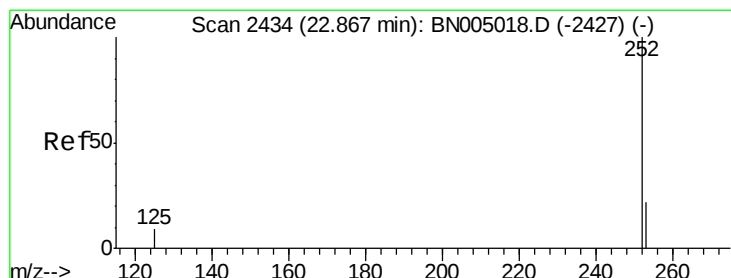
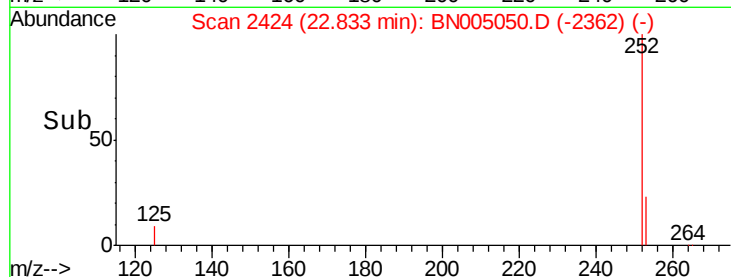
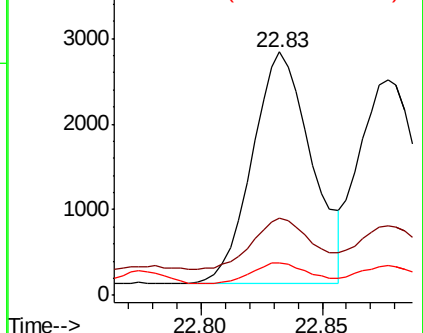
125 13.2 8.2 12.2#



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



#36

Benzo(k)fluoranthene

Concen: 0.102 ng

RT: 22.88 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

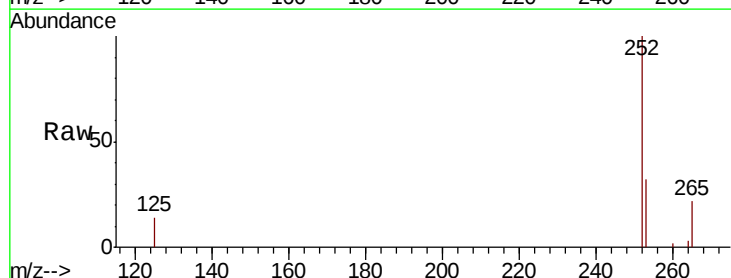
Tgt Ion:252 Resp: 4625

Ion Ratio Lower Upper

252 100

253 32.0 19.3 28.9#

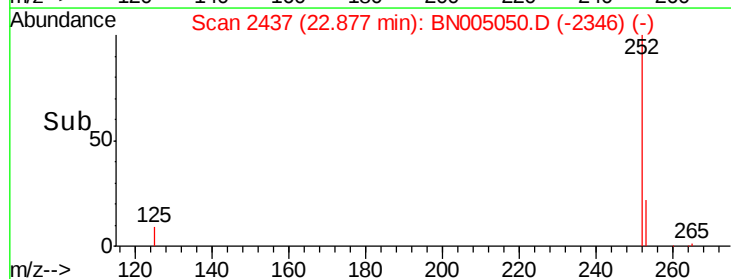
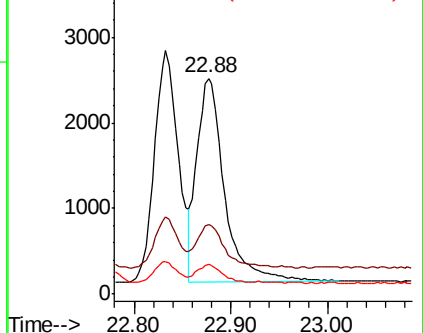
125 14.1 8.2 12.2#

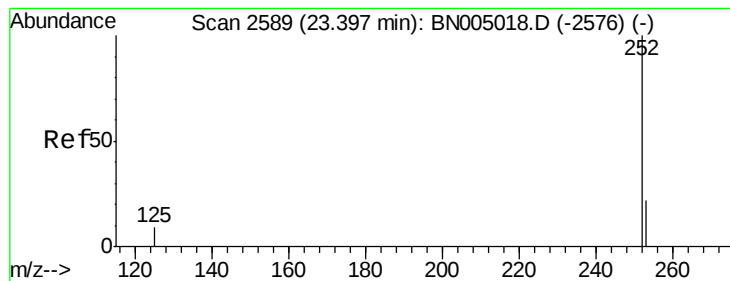


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.095 ng

RT: 23.41 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BN005050.D

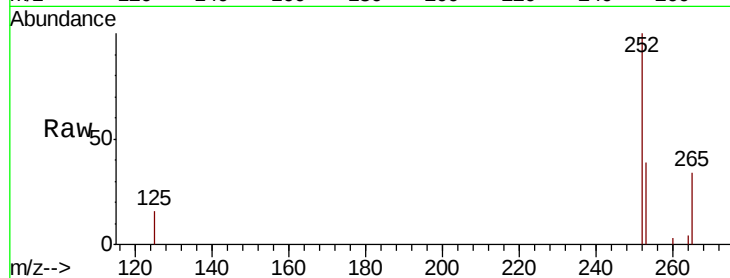
Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019



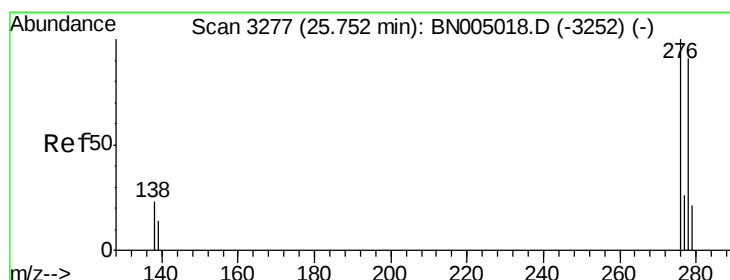
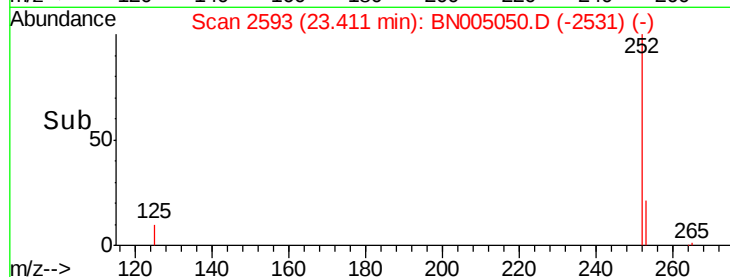
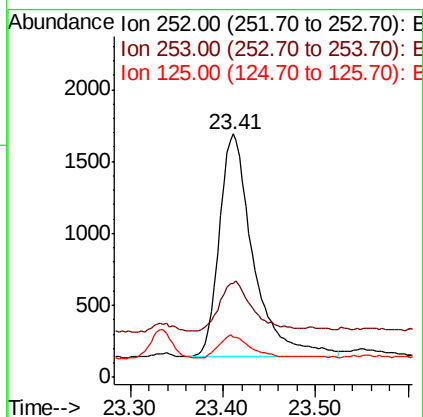
Tgt Ion:252 Resp: 3965

Ion Ratio Lower Upper

252 100

253 38.6 20.2 30.2#

125 16.4 9.2 13.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.093 ng

RT: 25.78 min Scan# 3284

Delta R.T. 0.02 min

Lab File: BN005050.D

Acq: 01 Apr 2019 16:17

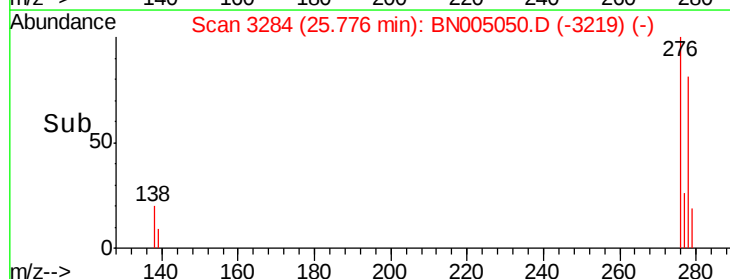
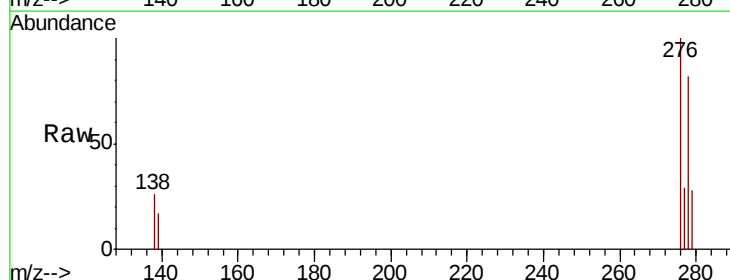
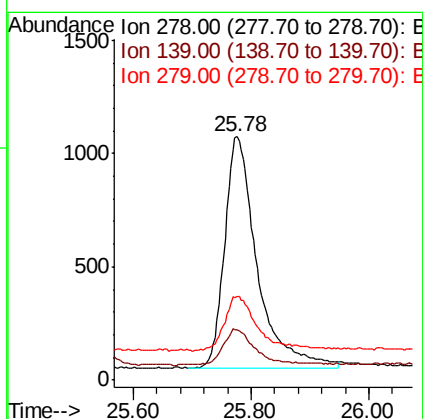
Tgt Ion:278 Resp: 3905

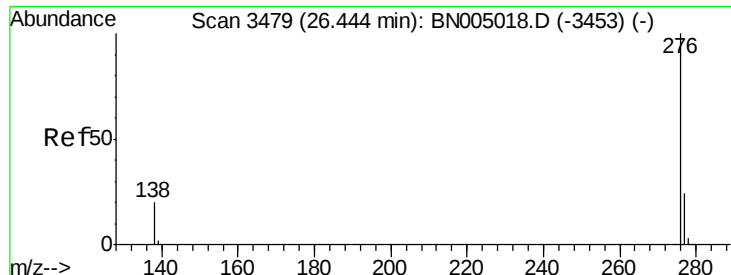
Ion Ratio Lower Upper

278 100

139 20.9 13.1 19.7#

279 34.4 20.2 30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.099 ng

RT: 26.47 min Scan# 3486

Delta R.T. 0.02 min

Lab File: BN005050.D

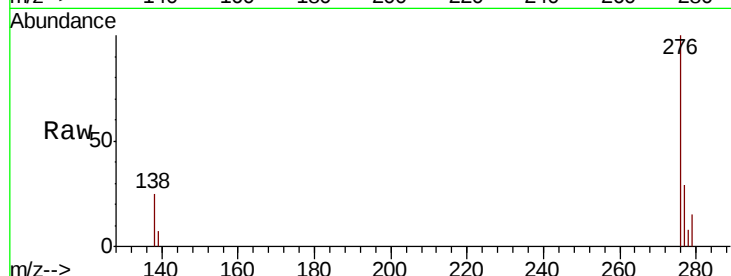
Acq: 01 Apr 2019 16:17

Instrument :

BNA_N

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019



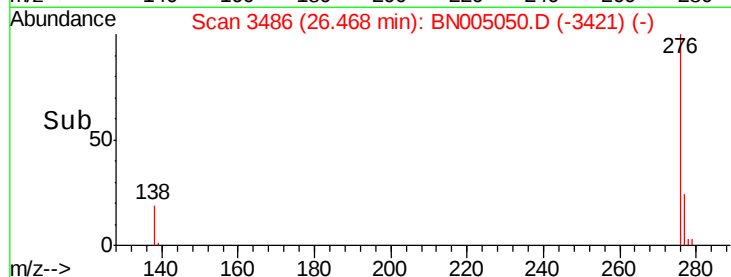
Tgt Ion: 276 Resp: 4191

Ion Ratio Lower Upper

276 100

277 28.6 19.8 29.6

138 24.6 16.4 24.6



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

