

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN022818\
 Data File : BN000202.D
 Acq On : 28 Feb 2018 12:26
 Operator : JU/SJ
 Sample : MDL-S-04
 Misc : 0.07PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-04

Quant Time: Feb 28 17:01:08 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 15:07:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6136	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	23102	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	11435	0.40	ng	0.00
19) Phenanthrene-d10	17.78	188	26912	0.40	ng	0.00
27) Chrysene-d12	21.90	240	19654	0.40	ng	0.00
34) Perylene-d12	24.37	264	15748	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.93	112	4499	0.35	ng	0.00
5) Phenol-d6	7.58	99	5527	0.34	ng	0.00
8) Nitrobenzene-d5	9.63	82	4565	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	12983	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1095	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.69	172	20167	0.37	ng	0.00
25) Fluoranthene-d10	19.77	212	24463	0.34	ng	0.00
29) Terphenyl-d14	20.34	244	14215	0.41	ng	0.00

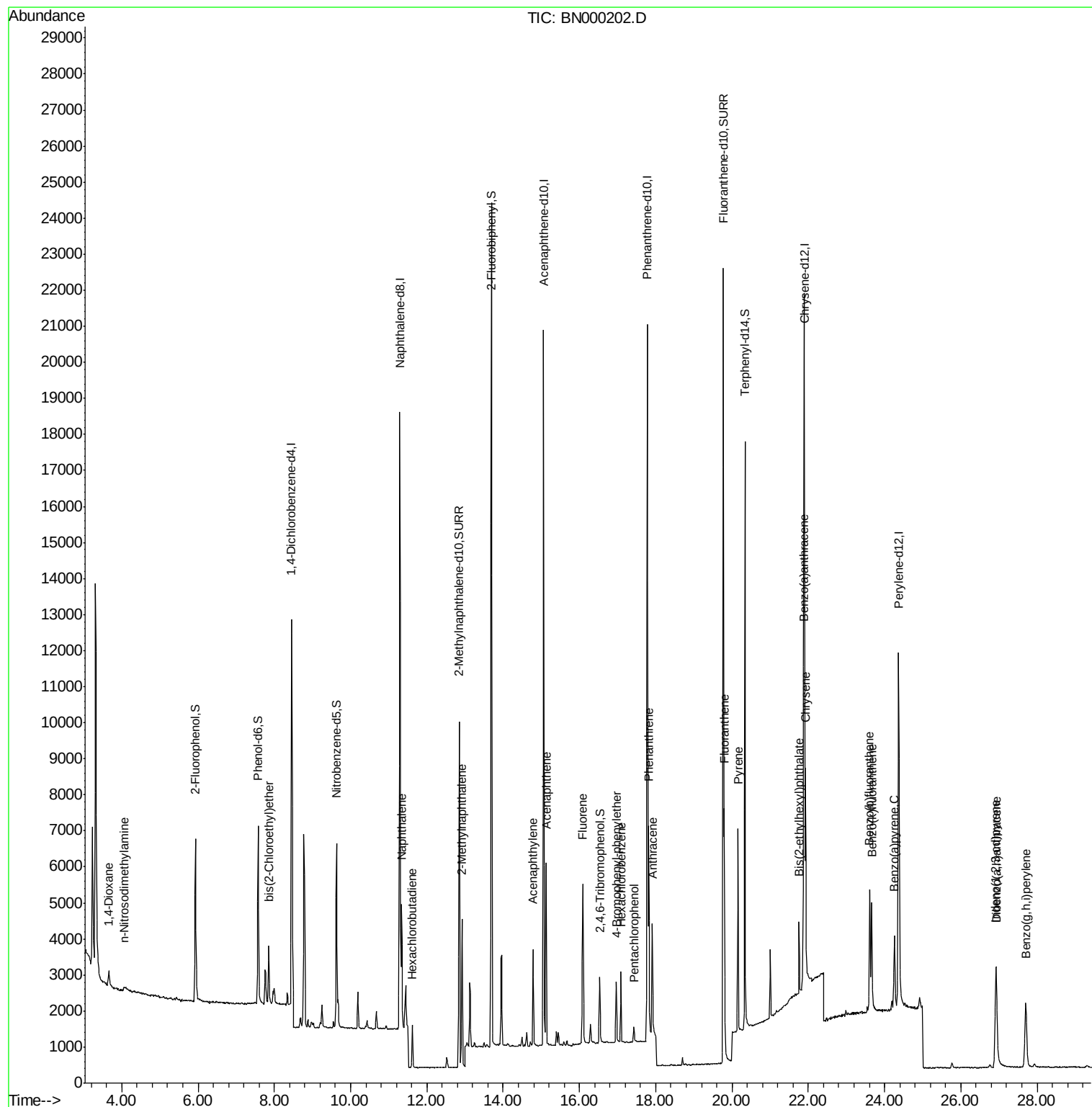
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	504	0.079	ng	97
3) n-Nitrosodimethylamine	4.06	42	98	0.118	ng	# 96
6) bis(2-Chloroethyl)ether	7.85	93	1382	0.066	ng	97
9) Naphthalene	11.34	128	4560	0.068	ng	# 93
10) Hexachlorobutadiene	11.62	225	763	0.067	ng	98
12) 2-Methylnaphthalene	12.92	142	2915	0.066	ng	98
16) Acenaphthylene	14.78	152	3035	0.056	ng	98
17) Acenaphthene	15.13	154	2689	0.063	ng	96
18) Fluorene	16.09	166	3295	0.062	ng	# 80
20) 4-Bromophenyl-phenylether	16.97	248	896	0.058	ng	# 85
21) Hexachlorobenzene	17.09	284	1316	0.063	ng	95
22) Pentachlorophenol	17.43	266	221	0.129	ng	88
23) Phenanthrene	17.82	178	5819	0.061	ng	95
24) Anthracene	17.92	178	3752	0.052	ng	95
26) Fluoranthene	19.80	202	5821	0.059	ng	# 95
28) Pyrene	20.16	202	5727	0.074	ng	99
30) Benzo(a)anthracene	21.88	228	3916	0.063	ng	97
31) Chrysene	21.93	228	4900	0.068	ng	99
32) Bis(2-ethylhexyl)phthalate	21.76	149	1822	0.079	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.92	276	3810	0.056	ng	# 89
35) Benzo(b)fluoranthene	23.61	252	4754	0.066	ng	# 83
36) Benzo(k)fluoranthene	23.66	252	4156	0.059	ng	# 62
37) Benzo(a)pyrene	24.26	252	3389	0.058	ng	# 52
38) Dibenzo(a,h)anthracene	26.93	278	2849	0.055	ng	# 73
39) Benzo(g,h,i)perylene	27.71	276	3927	0.064	ng	# 78

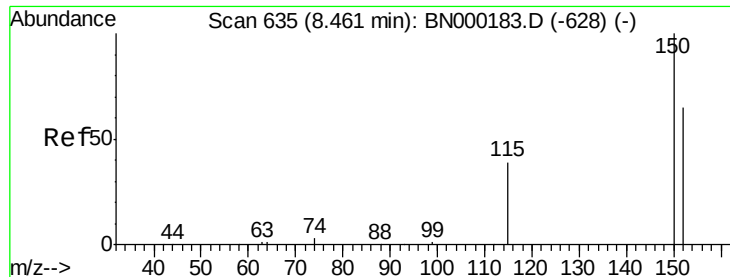
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 635

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

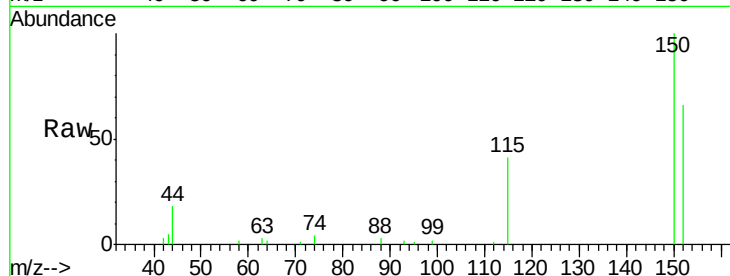
Tgt Ion:152 Resp: 6136

Ion Ratio Lower Upper

152 100

150 151.2 117.2 175.8

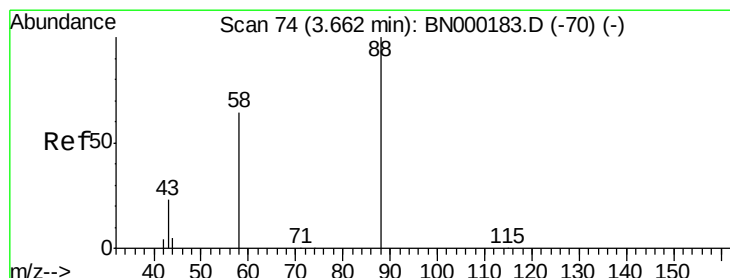
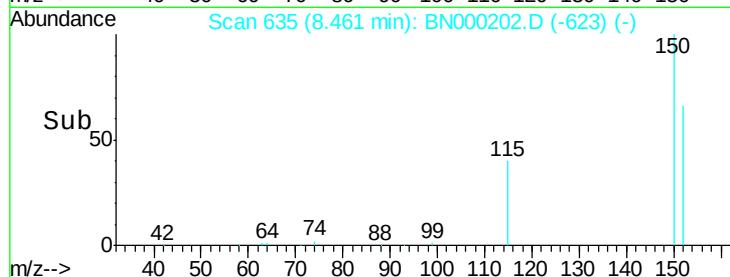
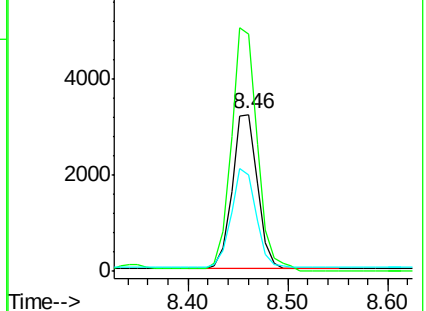
115 61.7 57.0 85.6



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: 0.079 ng

RT: 3.66 min Scan# 74

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

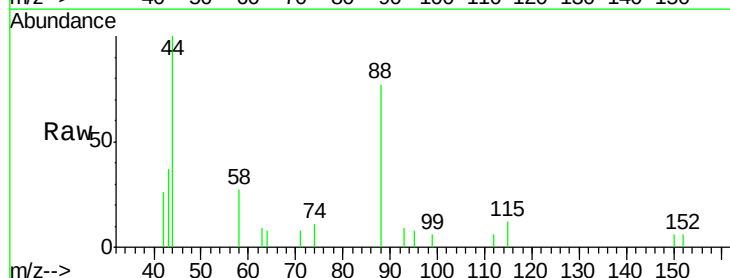
Tgt Ion: 88 Resp: 504

Ion Ratio Lower Upper

88 100

58 57.9 48.0 72.0

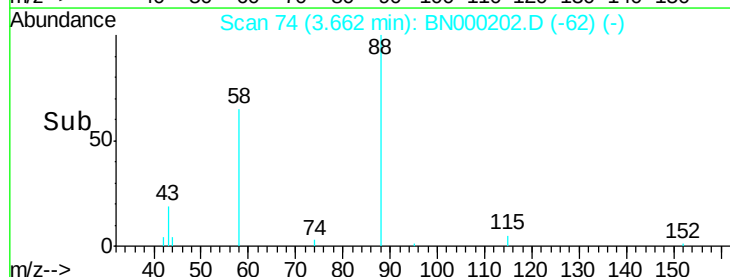
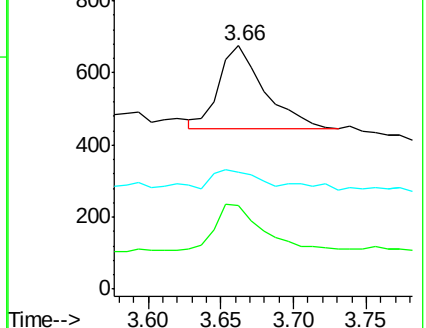
43 23.2 20.0 30.0

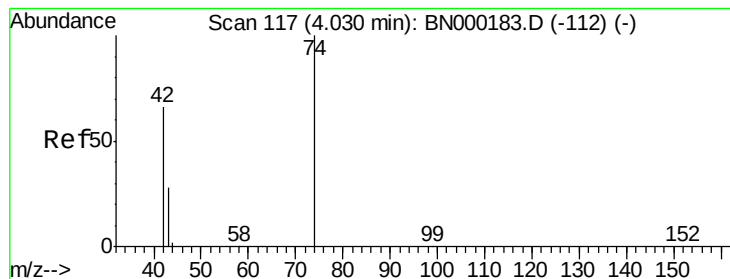


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



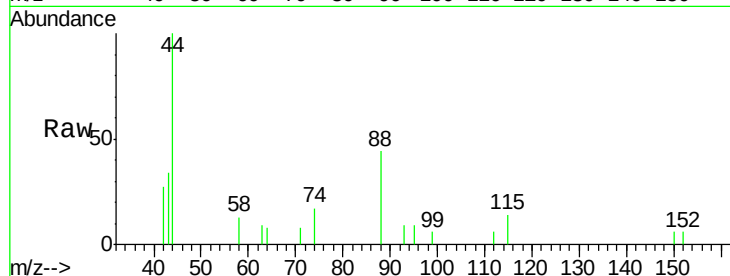


#3

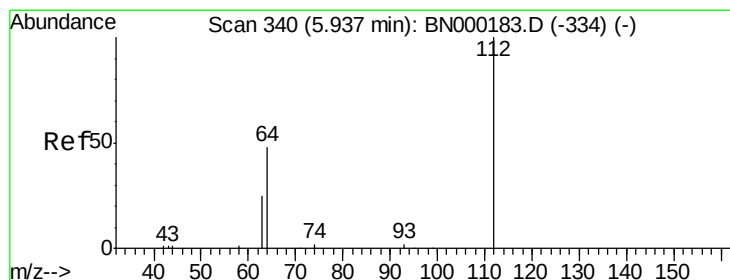
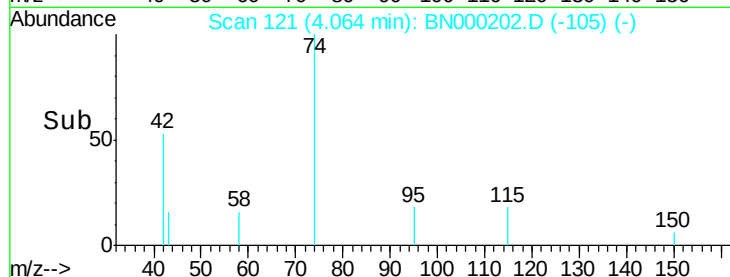
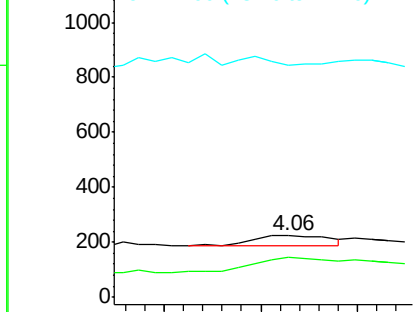
n-Nitrosodimethylamine
 Concen: 0.118 ng
 RT: 4.06 min Scan# 121
 Delta R.T. 0.04 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-04

Tgt Ion: 42 Resp: 98
 Ion Ratio Lower Upper
 42 100
 74 151.0 120.0 180.0
 44 37.8 4.0 6.0#



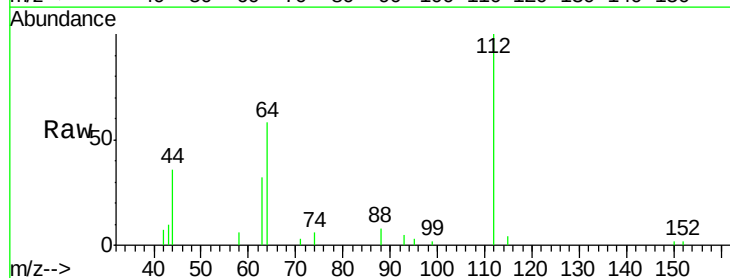
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



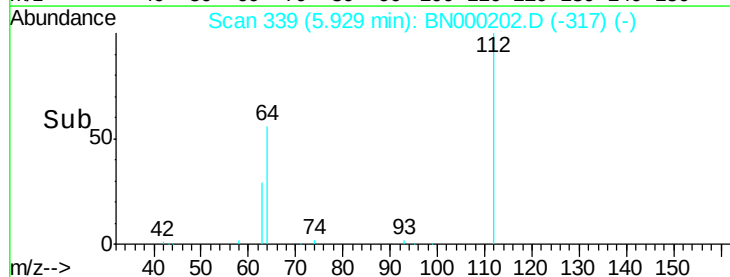
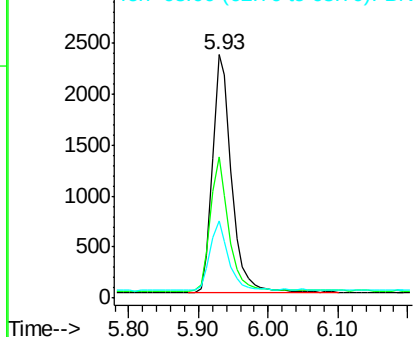
#4

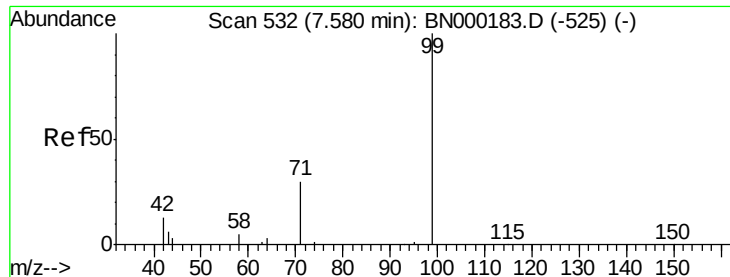
2-Fluorophenol
 Concen: 0.347 ng
 RT: 5.93 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

Tgt Ion: 112 Resp: 4499
 Ion Ratio Lower Upper
 112 100
 64 53.8 60.1 90.1#
 63 28.2 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BN0
 Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.336 ng

RT: 7.58 min Scan# 532

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

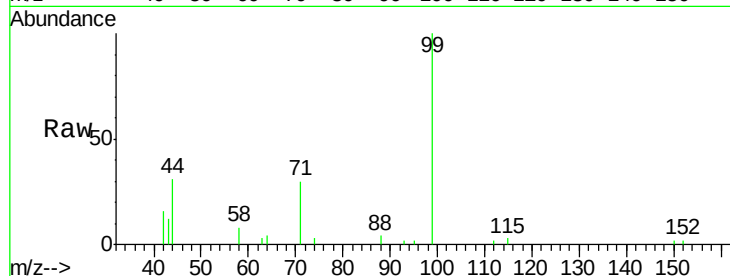
Tgt Ion: 99 Resp: 5527

Ion Ratio Lower Upper

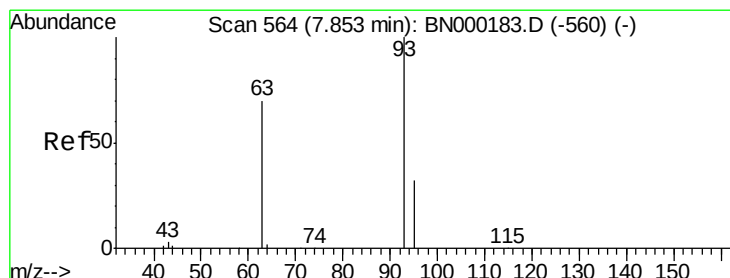
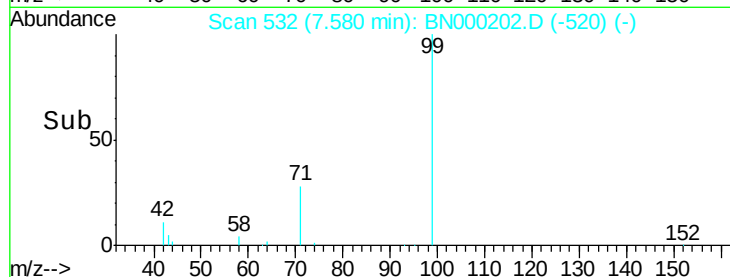
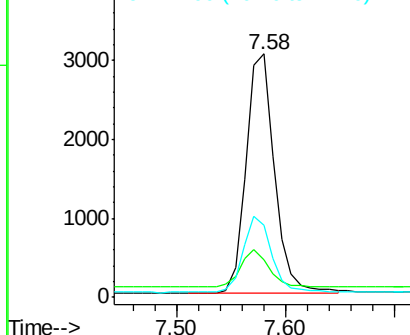
99 100

42 15.1 20.2 30.2#

71 31.4 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.066 ng

RT: 7.85 min Scan# 564

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

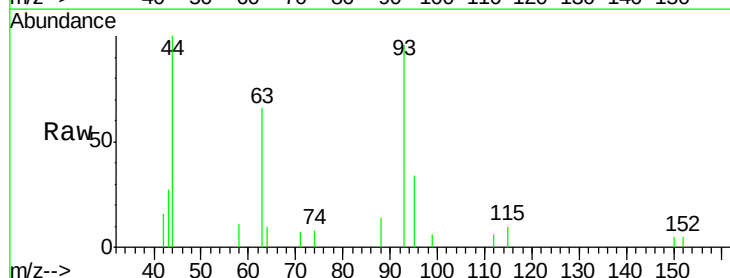
Tgt Ion: 93 Resp: 1382

Ion Ratio Lower Upper

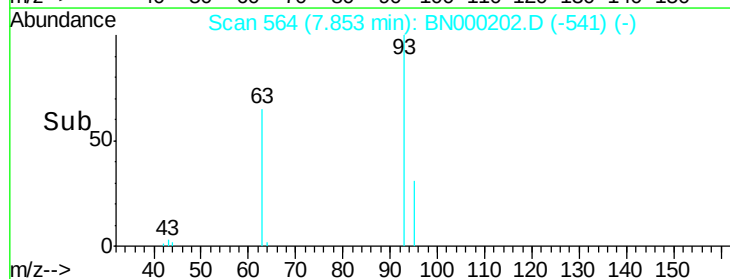
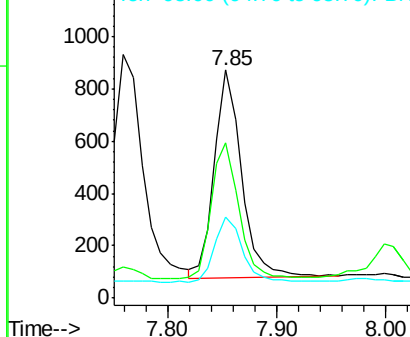
93 100

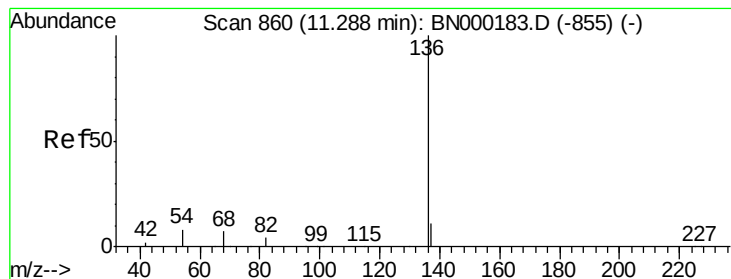
63 67.0 56.0 84.0

95 32.2 25.2 37.8



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: 11.29 min Scan# 860

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

Tgt Ion: 136 Resp: 23102

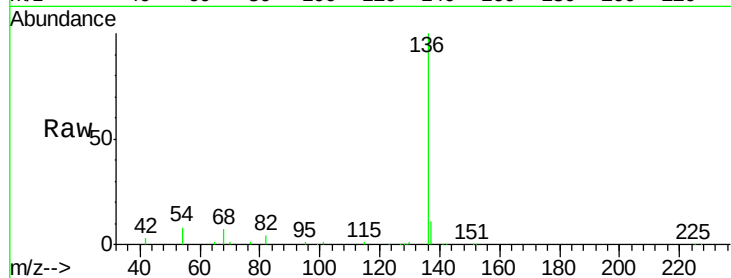
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 8.3 29.1 43.7#

68 7.5 6.2 9.2

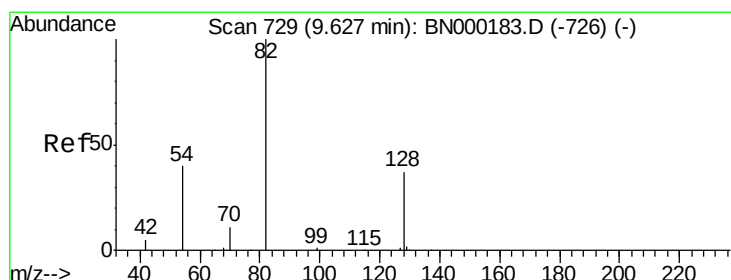
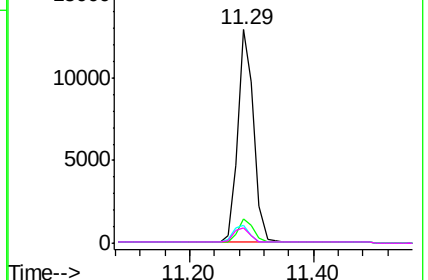
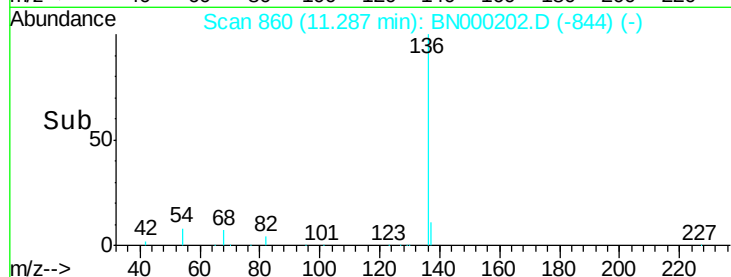


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.333 ng

RT: 9.63 min Scan# 729

Delta R.T. -0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

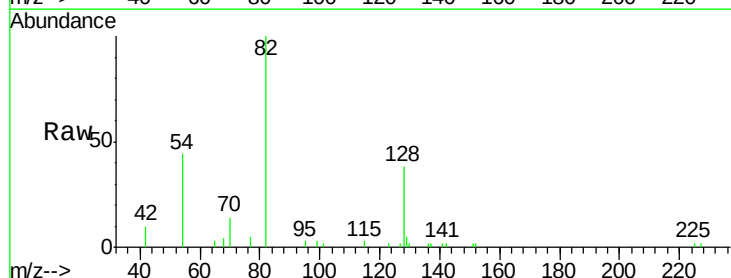
Tgt Ion: 82 Resp: 4565

Ion Ratio Lower Upper

82 100

128 37.7 150.0 225.0#

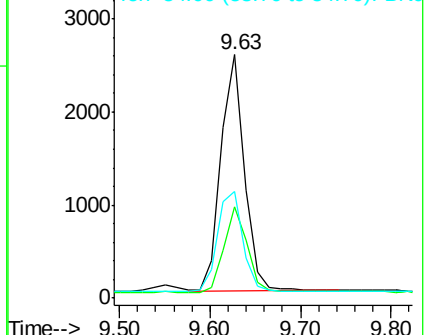
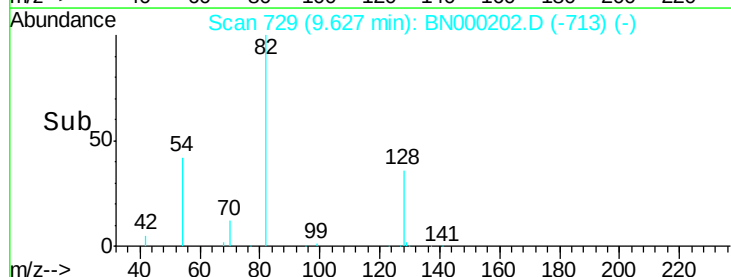
54 43.7 154.2 231.4#

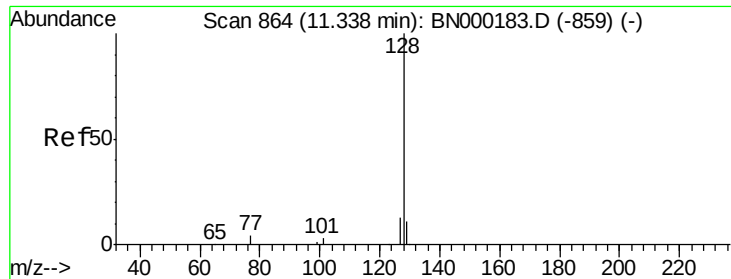


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

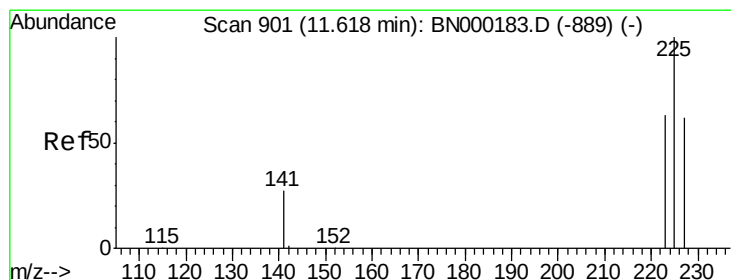
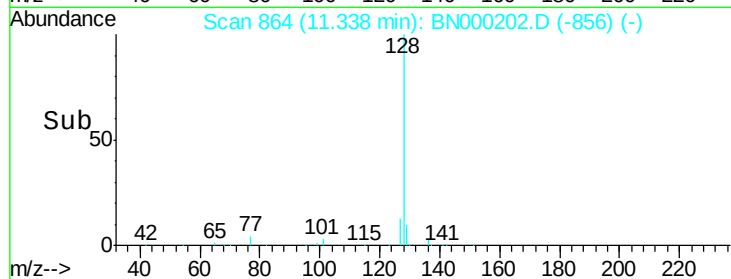
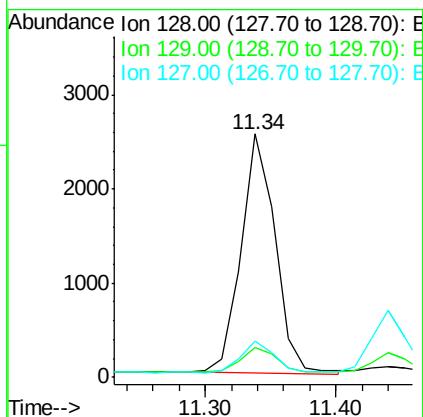
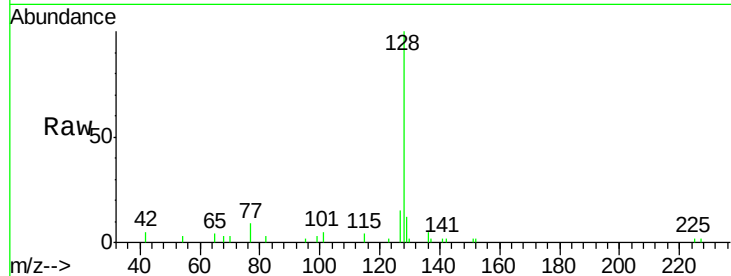




#9
Naphthalene
Concen: 0.068 ng
RT: 11.34 min Scan# 864
Delta R.T. -0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

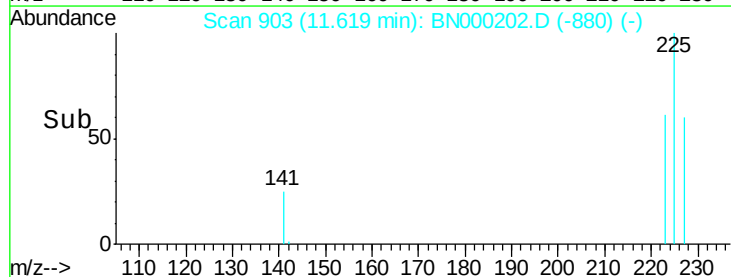
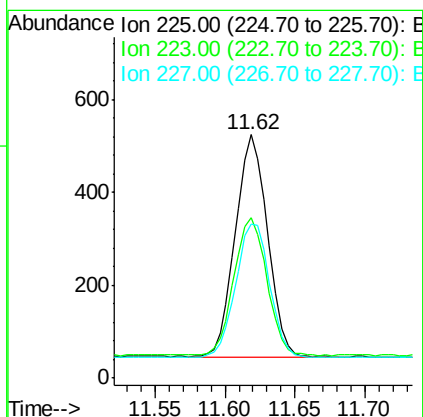
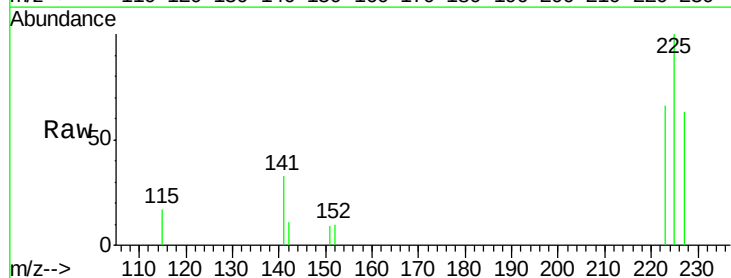
Instrument :
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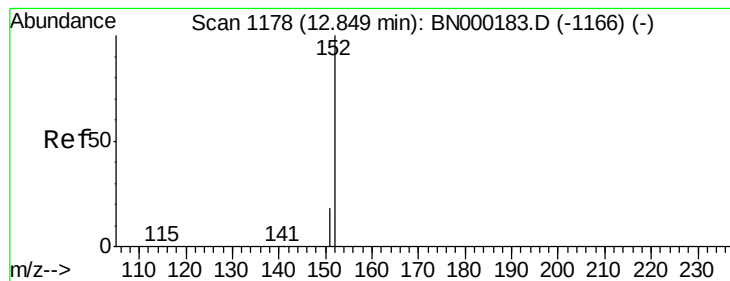
Tgt Ion:128 Resp: 4560
Ion Ratio Lower Upper
128 100
129 12.2 8.0 12.0#
127 15.0 9.6 14.4#



#10
Hexachlorobutadiene
Concen: 0.067 ng
RT: 11.62 min Scan# 903
Delta R.T. 0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

Tgt Ion:225 Resp: 763
Ion Ratio Lower Upper
225 100
223 63.8 53.0 79.6
227 63.0 51.4 77.2





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.85 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

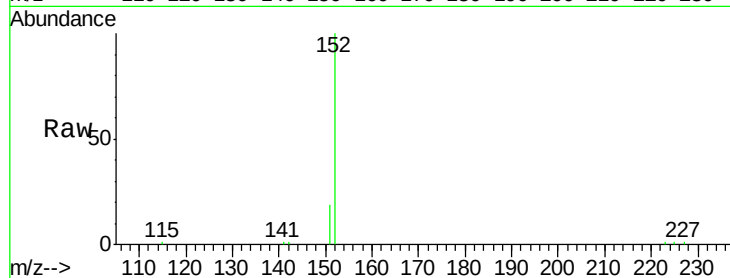
MDL-S-04

Tgt Ion:152 Resp: 12983

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.85

8000

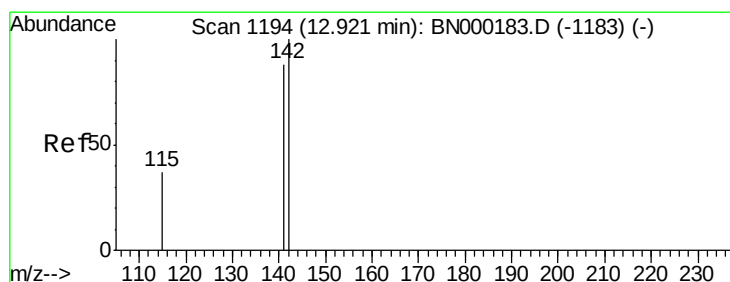
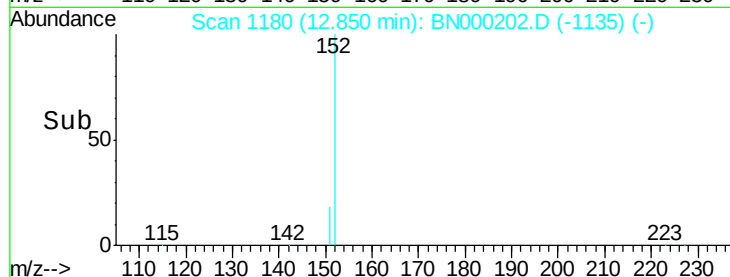
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.066 ng

RT: 12.92 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

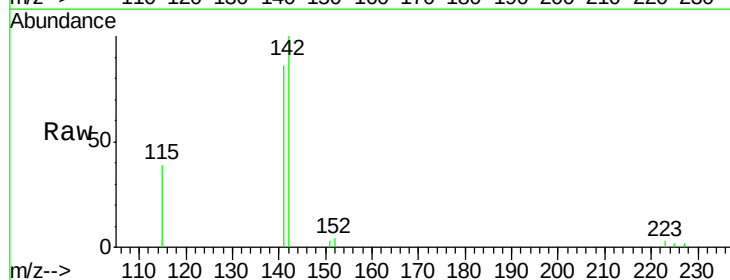
Tgt Ion:142 Resp: 2915

Ion Ratio Lower Upper

142 100

141 86.3 70.4 105.6

115 39.1 31.7 47.5



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

2500

2000

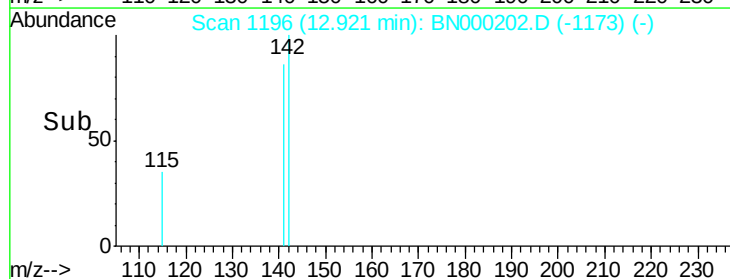
1500

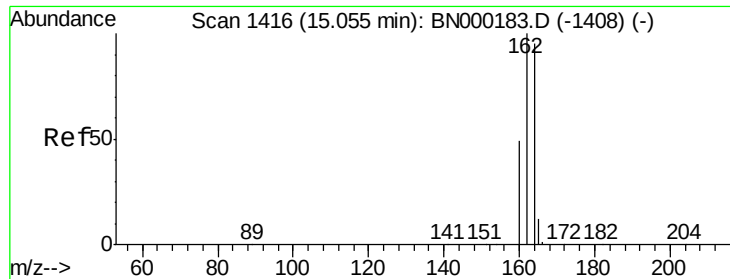
1000

500

0

Time-->

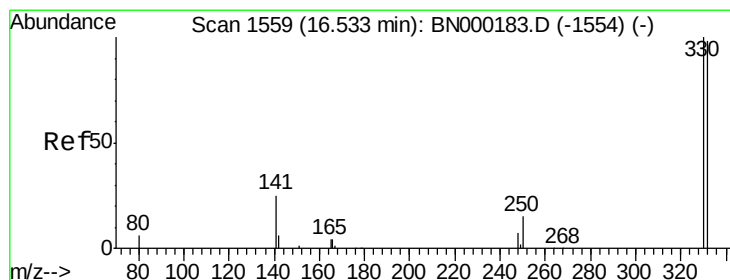
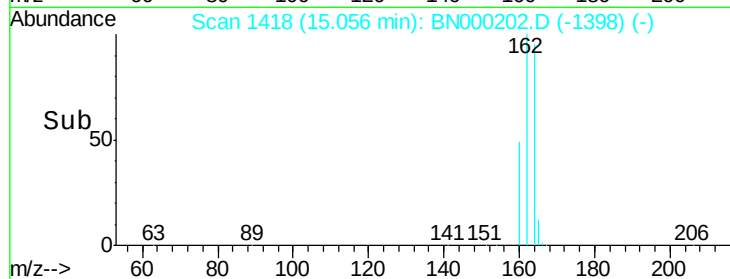
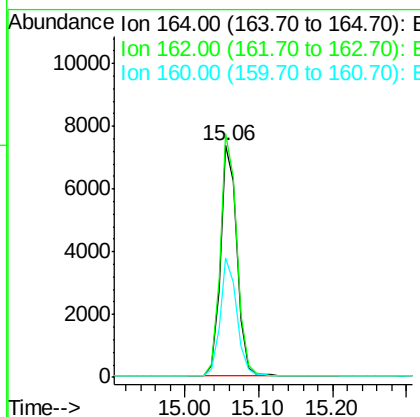
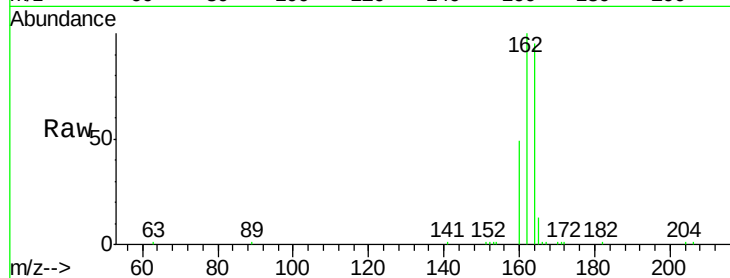




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.06 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

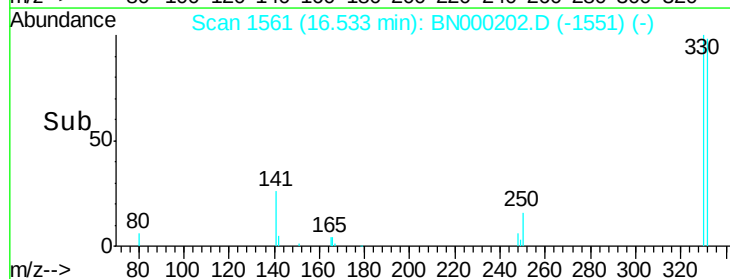
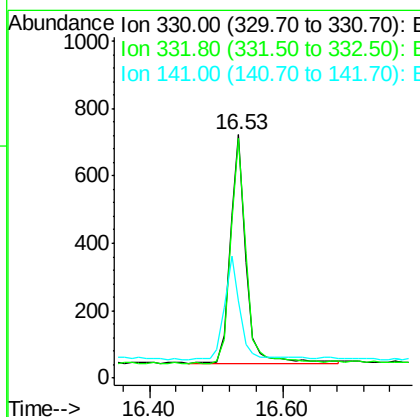
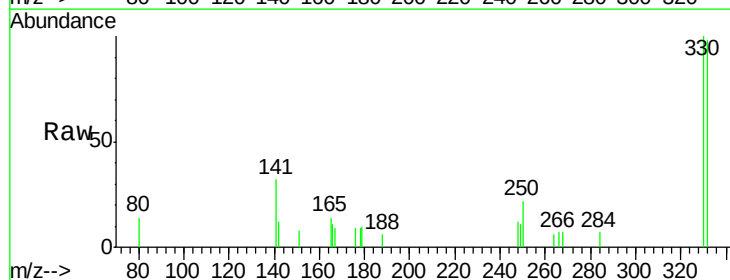
Instrument :
 BNA_N
 ClientSampled :
 MDL-S-04

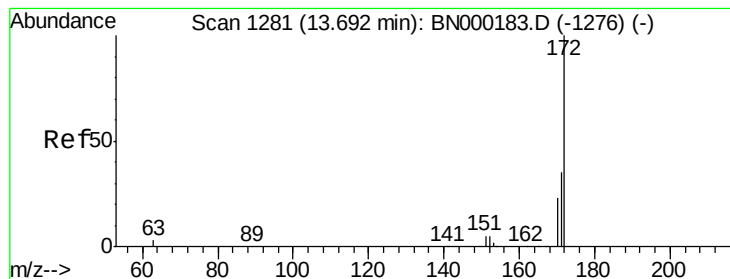
Tgt Ion:164 Resp: 11435
 Ion Ratio Lower Upper
 164 100
 162 105.1 83.1 124.7
 160 51.9 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.302 ng
 RT: 16.53 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

Tgt Ion:330 Resp: 1095
 Ion Ratio Lower Upper
 330 100
 332 98.2 152.7 229.1#
 141 43.4 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.372 ng

RT: 13.69 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

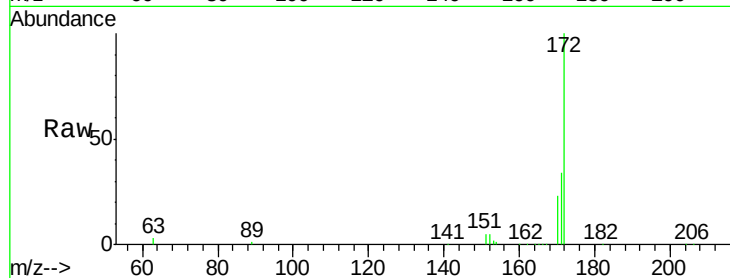
Tgt Ion:172 Resp: 20167

Ion Ratio Lower Upper

172 100

171 34.2 29.9 44.9

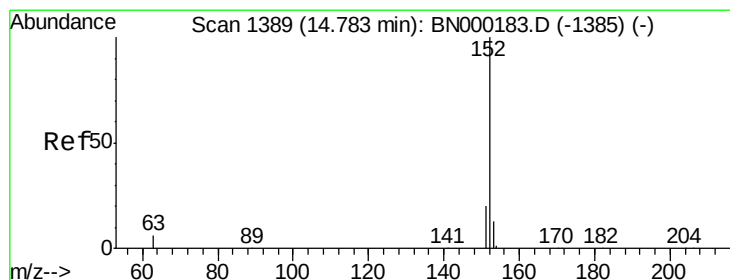
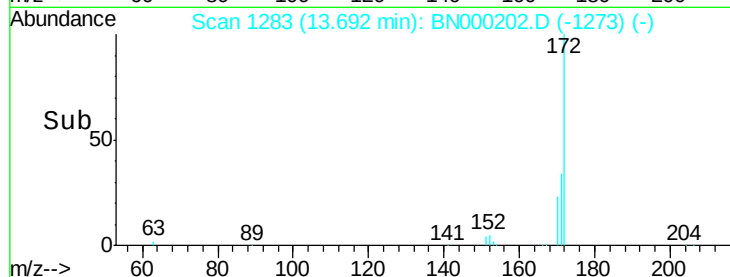
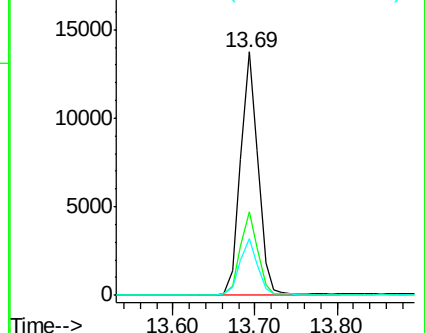
170 23.3 21.8 32.8



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: 0.056 ng

RT: 14.78 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

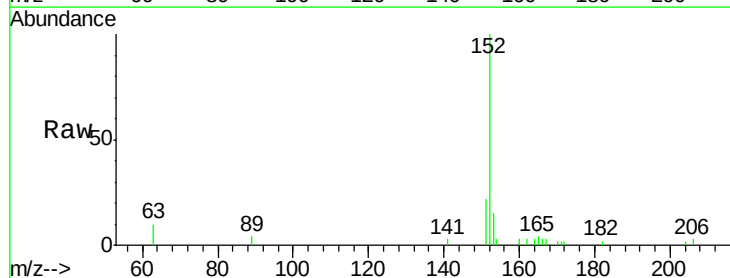
Tgt Ion:152 Resp: 3035

Ion Ratio Lower Upper

152 100

151 20.4 15.7 23.5

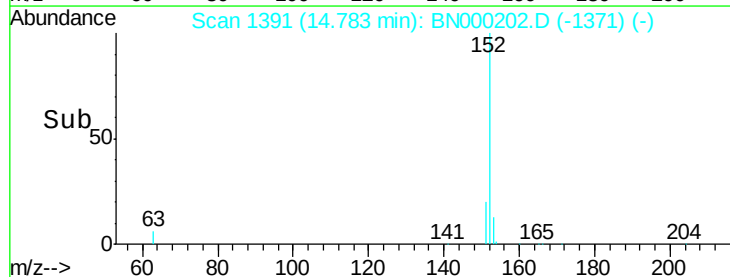
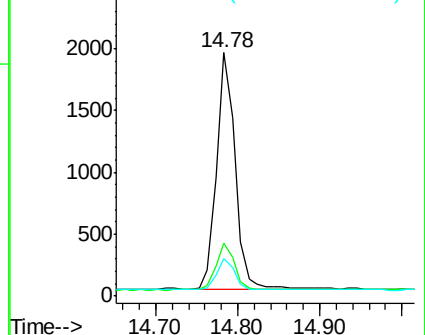
153 12.6 10.5 15.7

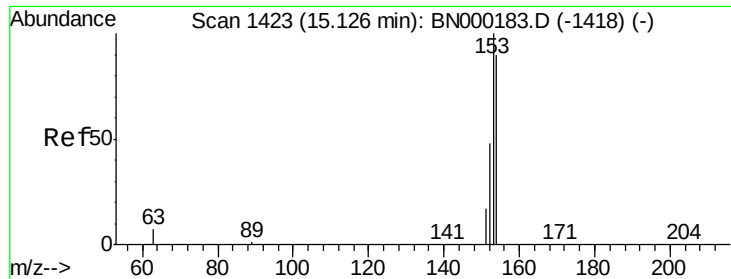


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

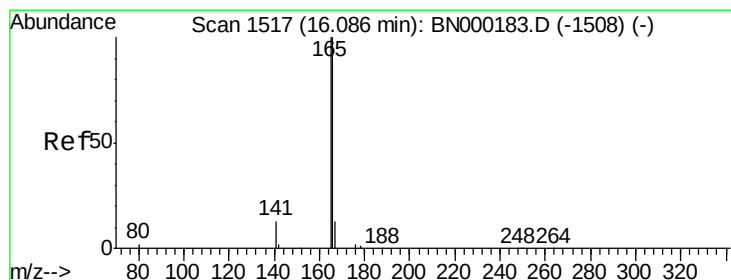
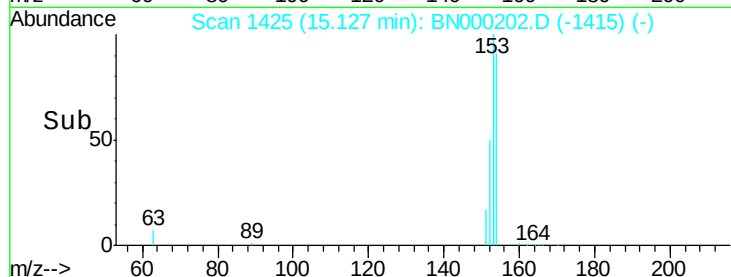
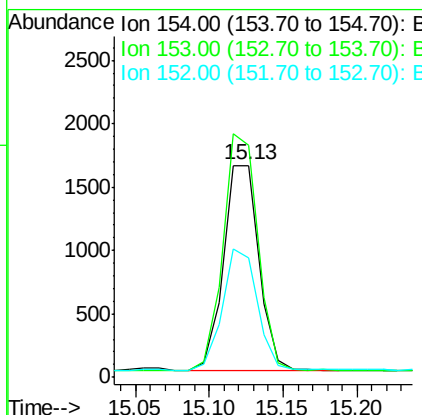
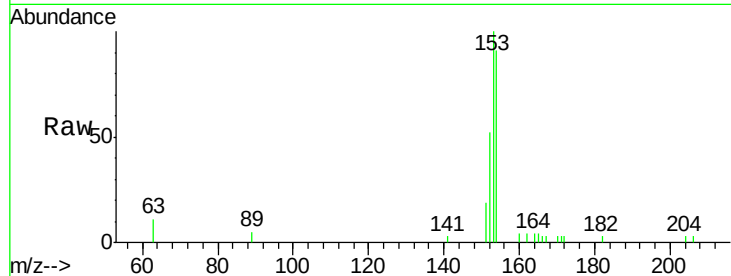




#17
Acenaphthene
Concen: 0.063 ng
RT: 15.13 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

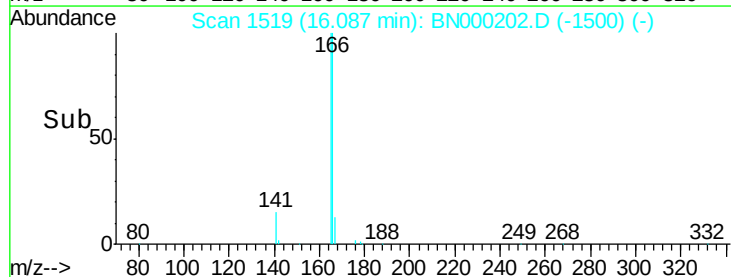
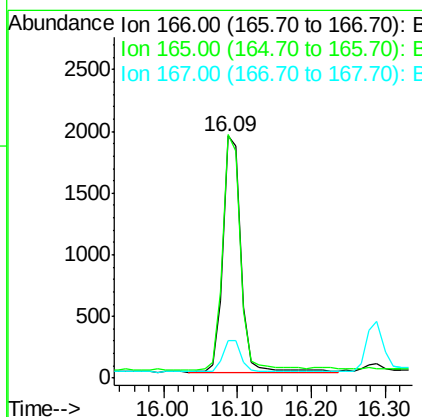
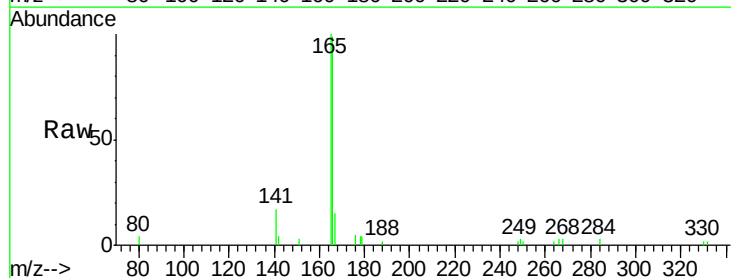
Instrument :
BNA_N
ClientSampleId :
MDL-S-04

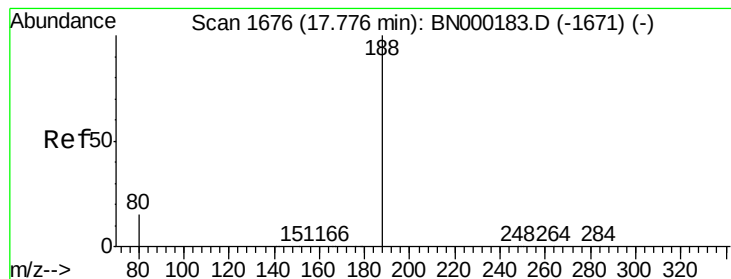
Tgt Ion:154 Resp: 2689
Ion Ratio Lower Upper
154 100
153 114.0 89.2 133.8
152 58.4 42.0 63.0



#18
Fluorene
Concen: 0.062 ng
RT: 16.09 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

Tgt Ion:166 Resp: 3295
Ion Ratio Lower Upper
166 100
165 97.7 77.8 116.6
167 13.8 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.78 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

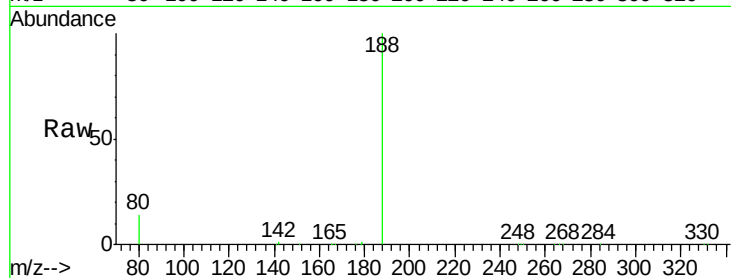
Tgt Ion:188 Resp: 26912

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.4 3.6 5.4#



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

20000

15000

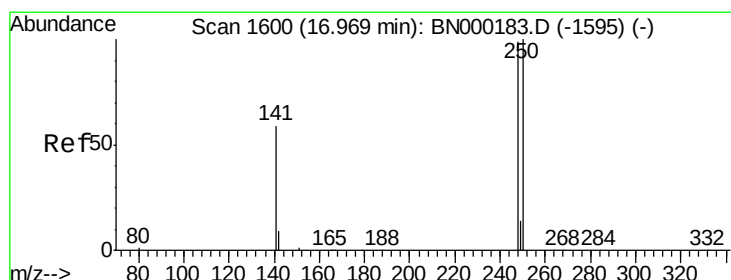
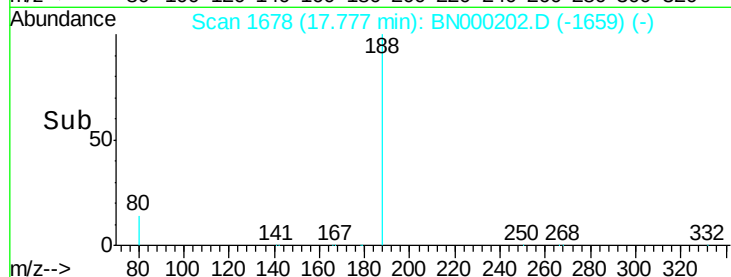
10000

5000

0

17.78

Time--> 17.60 17.80 18.00



#20

4-Bromophenyl-phenylether

Concen: 0.058 ng

RT: 16.97 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

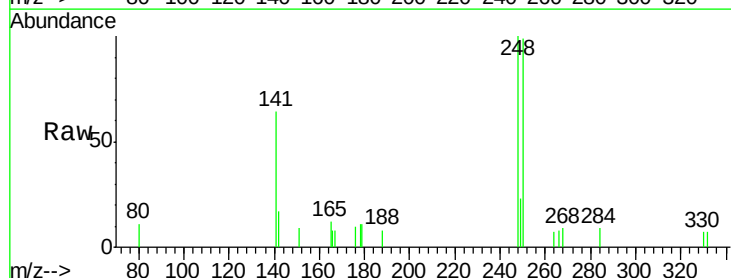
Tgt Ion:248 Resp: 896

Ion Ratio Lower Upper

248 100

250 99.2 62.7 94.1#

141 63.7 48.2 72.2



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

800

600

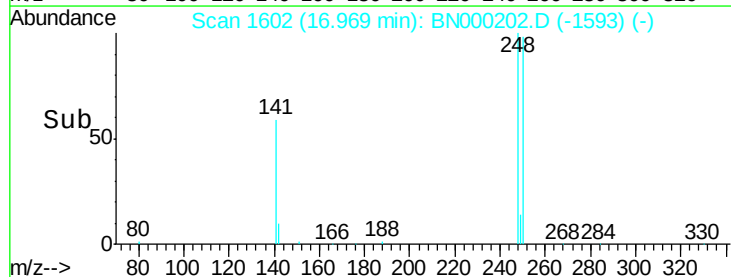
400

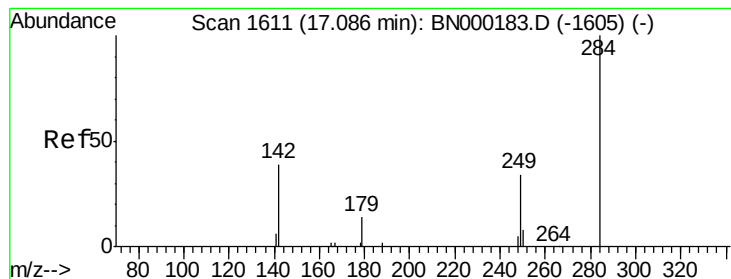
200

0

16.97

Time--> 16.90 17.00





#21

Hexachlorobenzene

Concen: 0.063 ng

RT: 17.09 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

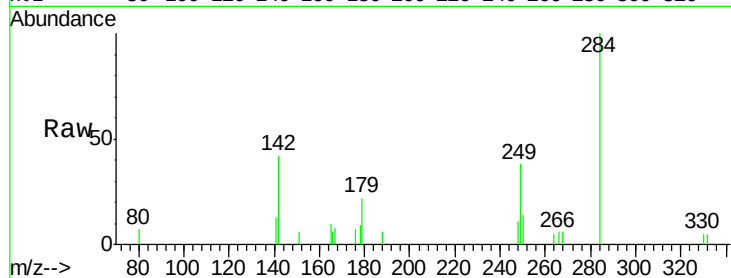
Tgt Ion:284 Resp: 1316

Ion Ratio Lower Upper

284 100

142 42.2 32.0 48.0

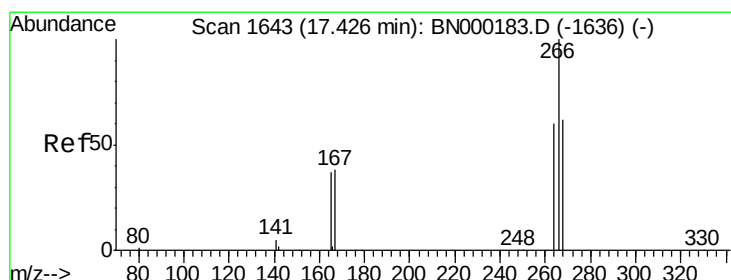
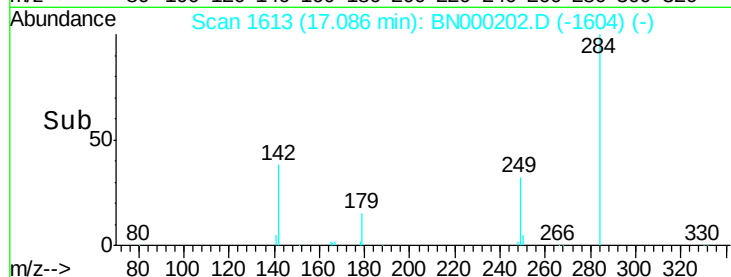
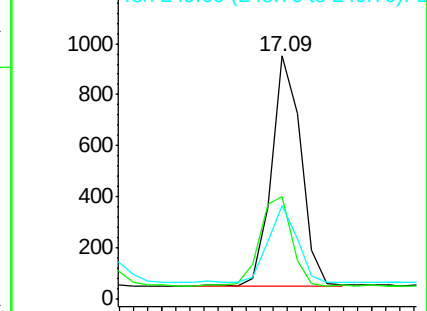
249 33.7 24.0 36.0



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: 0.129 ng

RT: 17.43 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

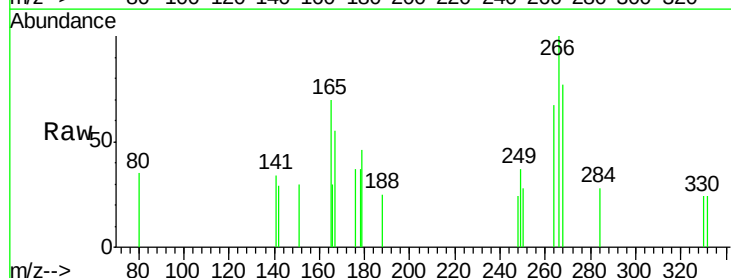
Tgt Ion:266 Resp: 221

Ion Ratio Lower Upper

266 100

264 66.7 48.0 72.0

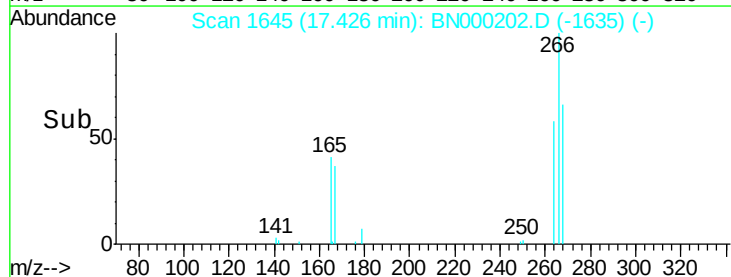
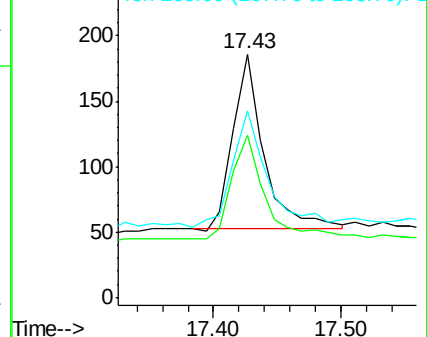
268 76.9 52.0 78.0

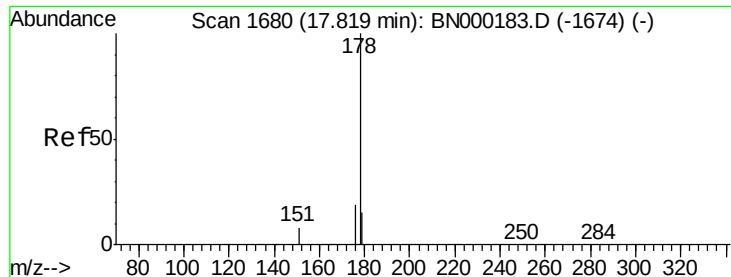


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.061 ng

RT: 17.82 min Scan# 1682

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

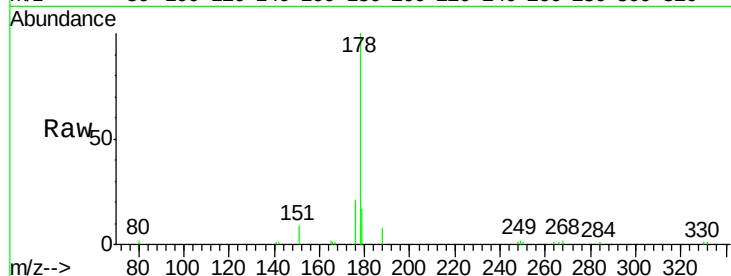
Tgt Ion:178 Resp: 5819

Ion Ratio Lower Upper

178 100

176 20.7 15.1 22.7

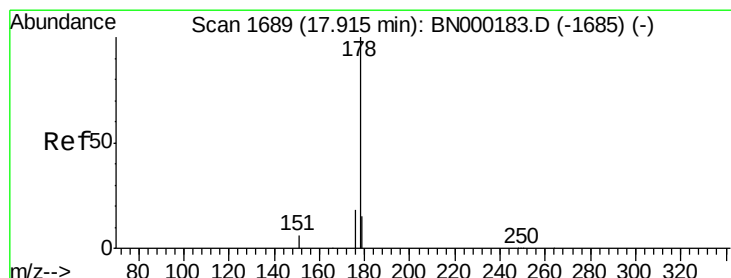
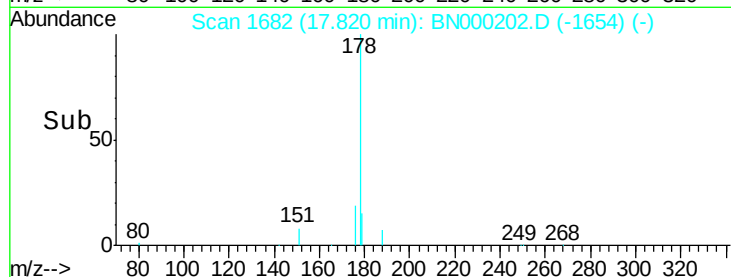
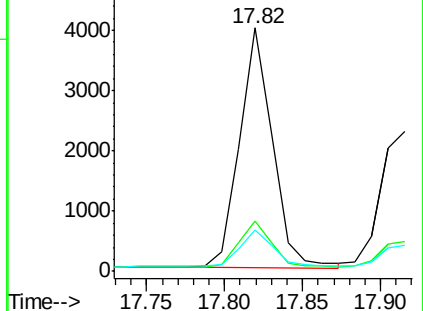
179 17.0 11.8 17.6



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: 0.052 ng

RT: 17.92 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

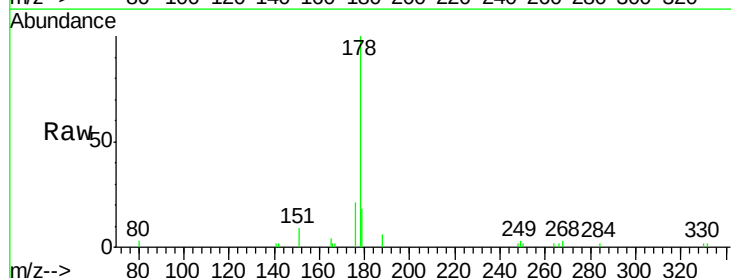
Tgt Ion:178 Resp: 3752

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

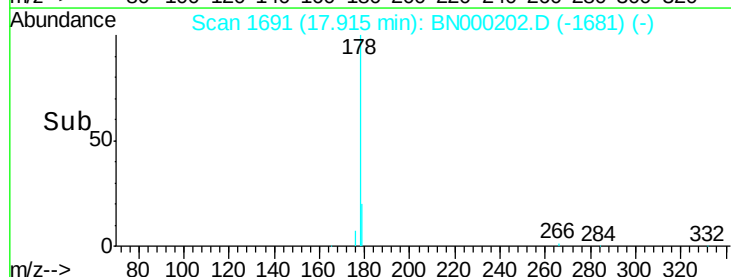
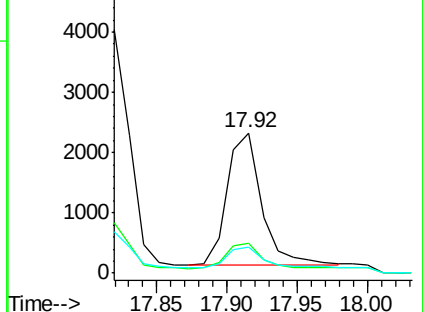
179 15.2 13.0 19.6

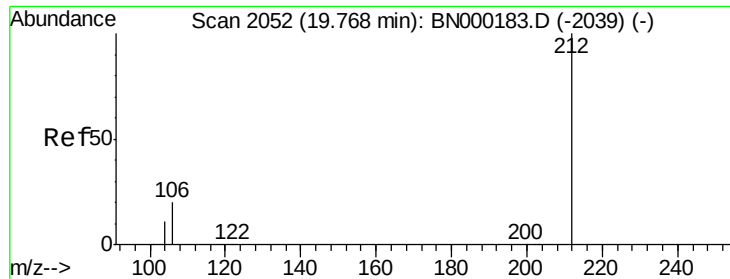


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.77 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

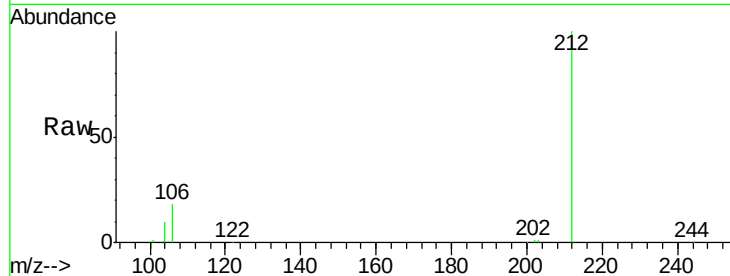
Tgt Ion:212 Resp: 24463

Ion Ratio Lower Upper

212 100

106 19.3 2.8 4.2#

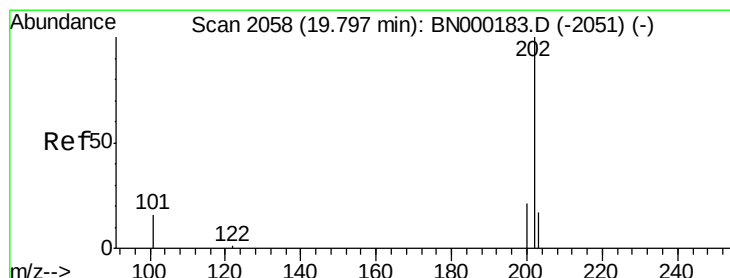
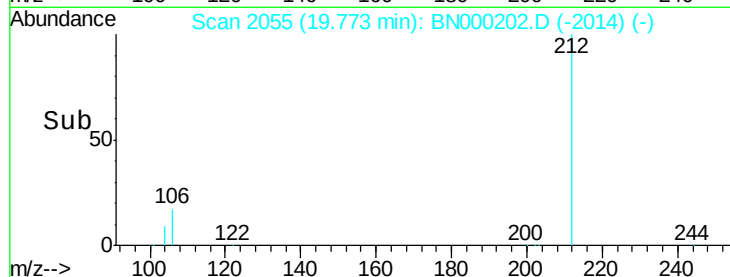
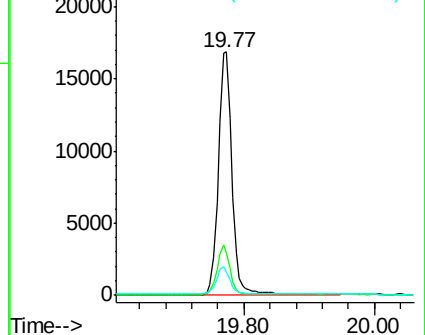
104 10.8 1.6 2.4#



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



#26

Fluoranthene

Concen: 0.059 ng

RT: 19.80 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

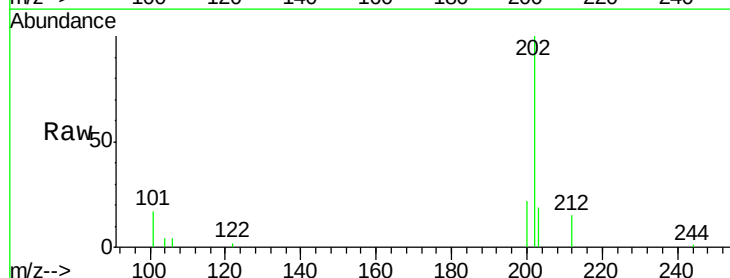
Tgt Ion:202 Resp: 5821

Ion Ratio Lower Upper

202 100

101 16.4 9.8 14.8#

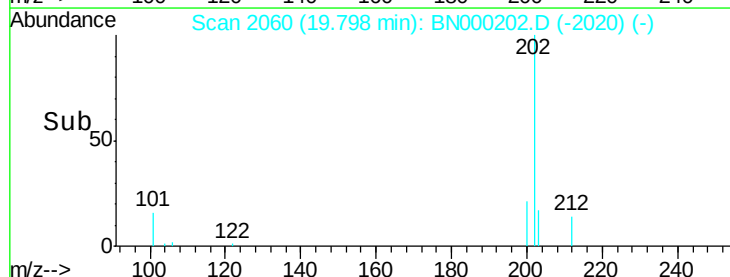
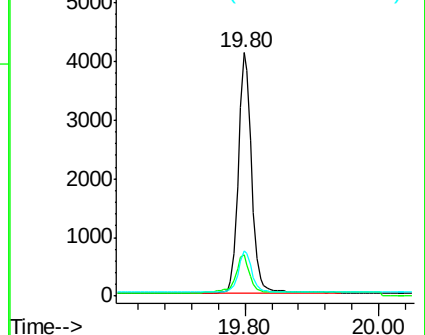
203 17.7 13.7 20.5

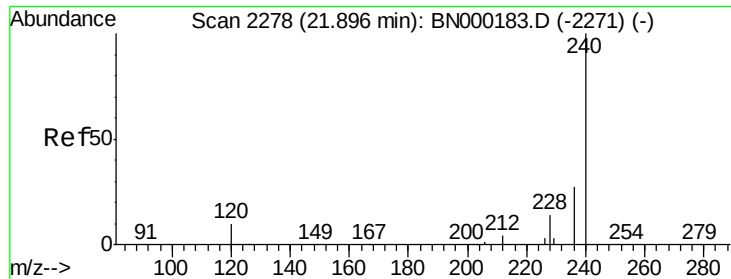


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

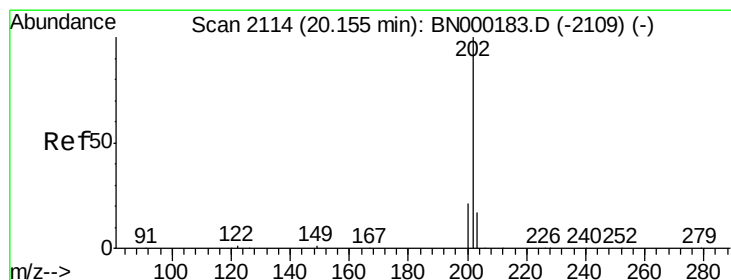
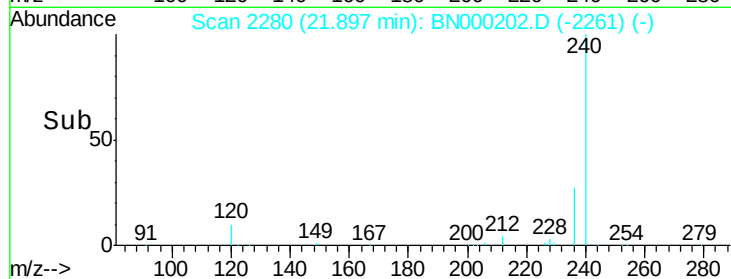
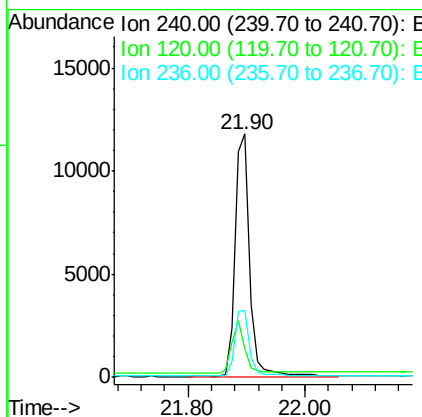
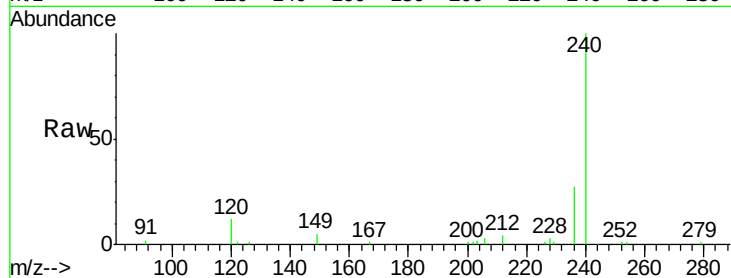




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.90 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

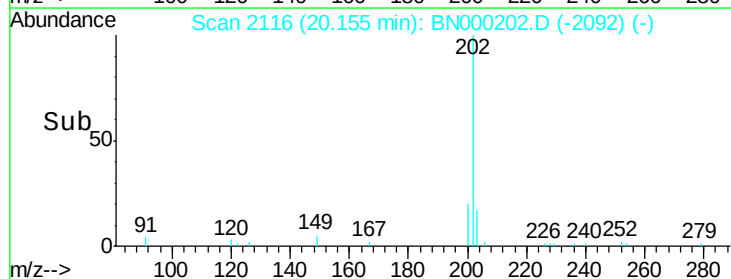
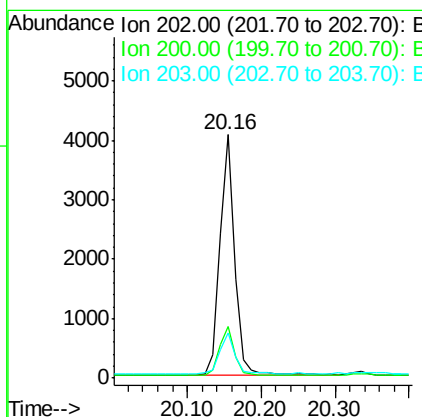
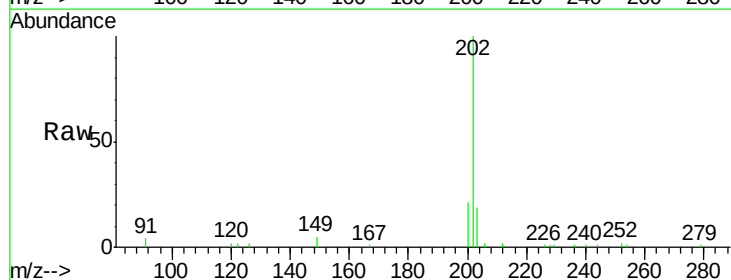
Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-04

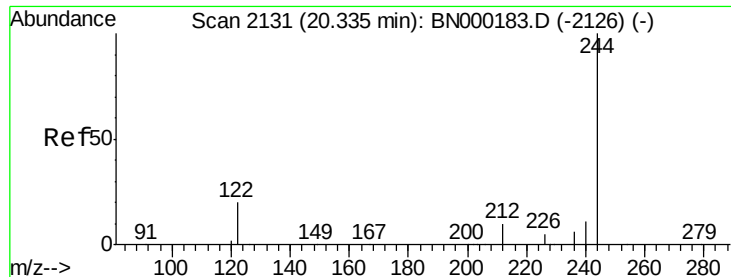
Tgt Ion:240 Resp: 19654
 Ion Ratio Lower Upper
 240 100
 120 11.5 5.5 8.3#
 236 27.3 20.7 31.1



#28
 Pyrene
 Concen: 0.074 ng
 RT: 20.16 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BN000202.D
 Acq: 28 Feb 2018 12:26

Tgt Ion:202 Resp: 5727
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 25.0
 203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 20.34 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampled :

MDL-S-04

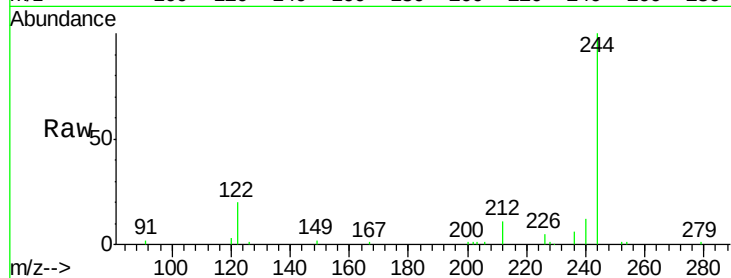
Tgt Ion:244 Resp: 14215

Ion Ratio Lower Upper

244 100

212 10.7 25.4 38.0#

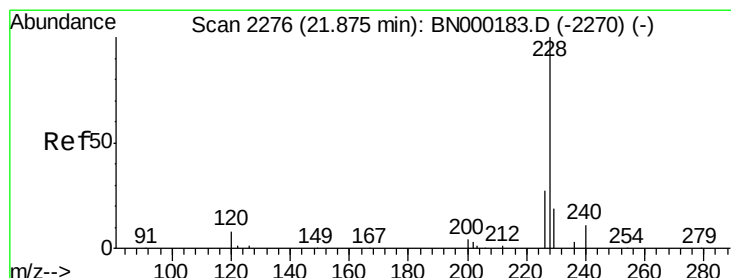
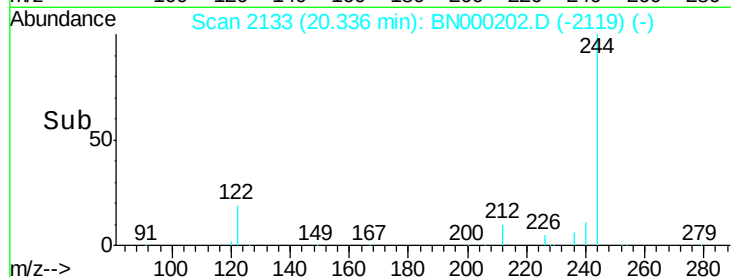
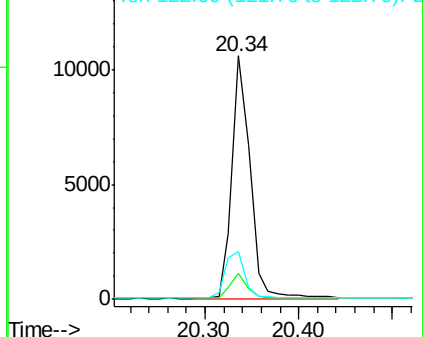
122 19.5 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.063 ng

RT: 21.88 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

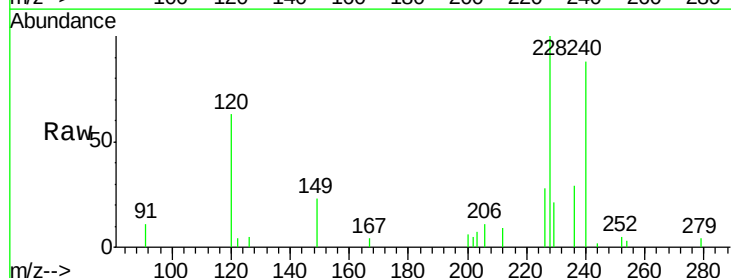
Tgt Ion:228 Resp: 3916

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

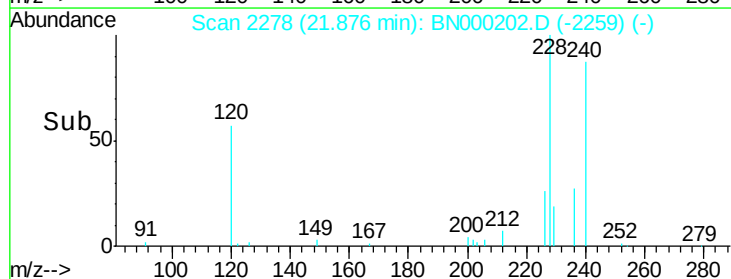
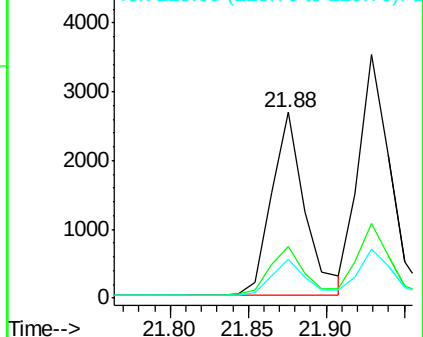
229 20.9 16.0 24.0

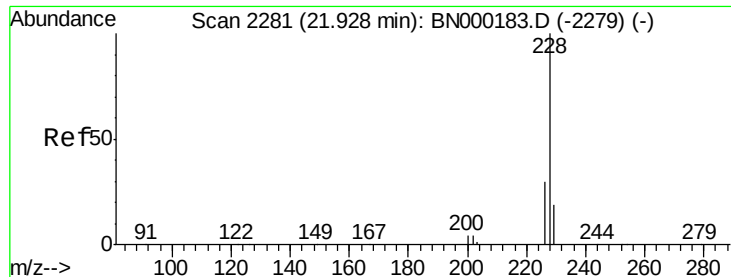


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.068 ng

RT: 21.93 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

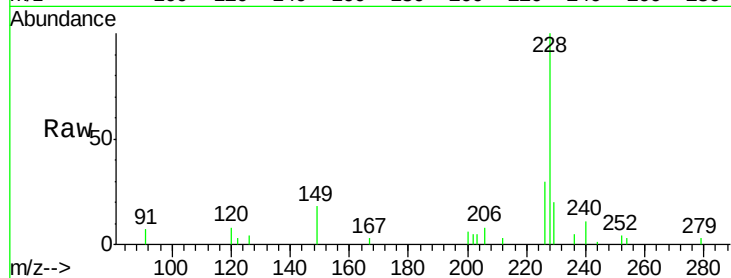
Tgt Ion:228 Resp: 4900

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

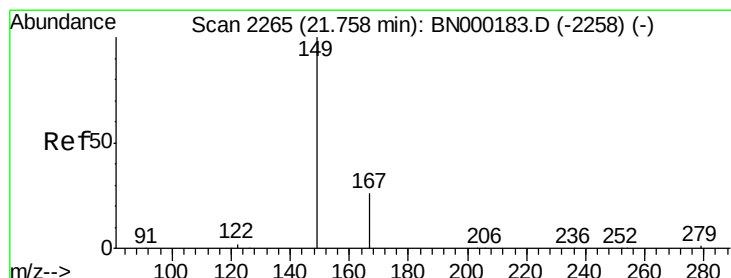
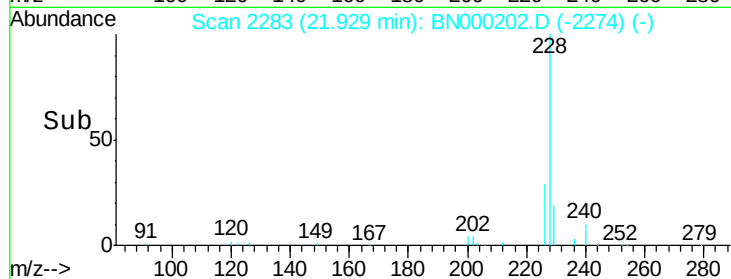
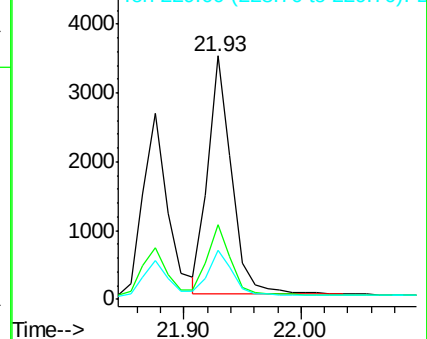
229 20.2 16.0 24.0



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: 0.079 ng

RT: 21.76 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

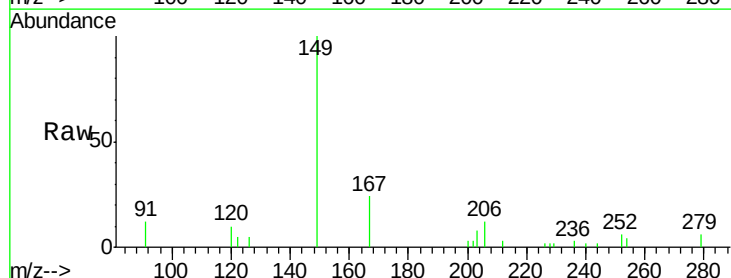
Tgt Ion:149 Resp: 1822

Ion Ratio Lower Upper

149 100

167 24.9 20.0 30.0

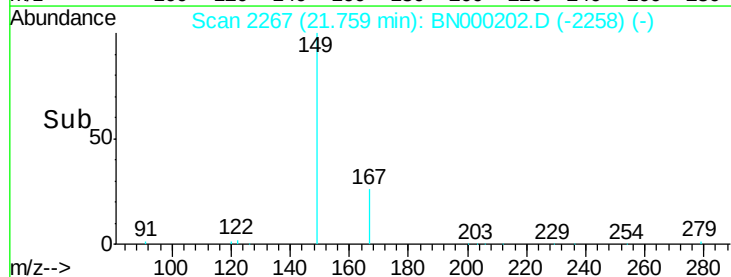
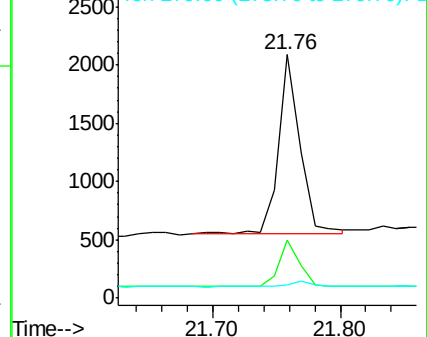
279 5.2 1.6 2.4#

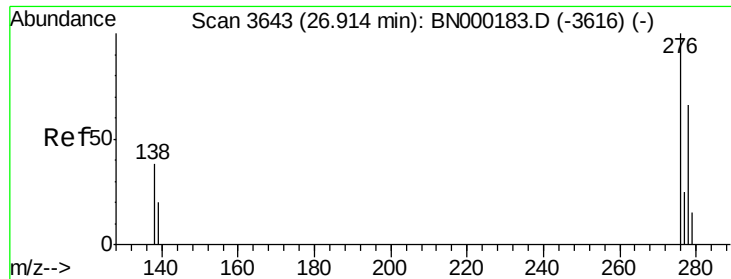


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.056 ng

RT: 26.92 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

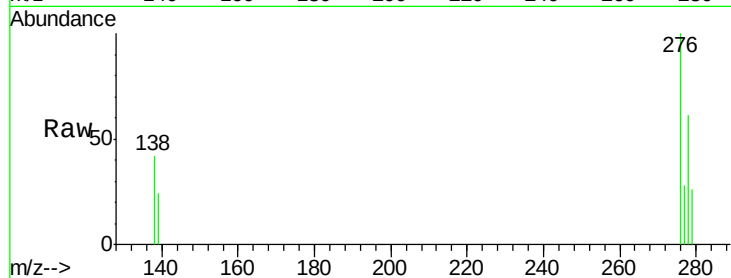
Tgt Ion:276 Resp: 3810

Ion Ratio Lower Upper

276 100

138 38.4 22.5 33.7#

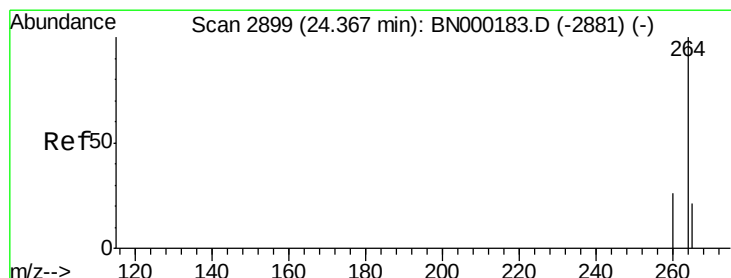
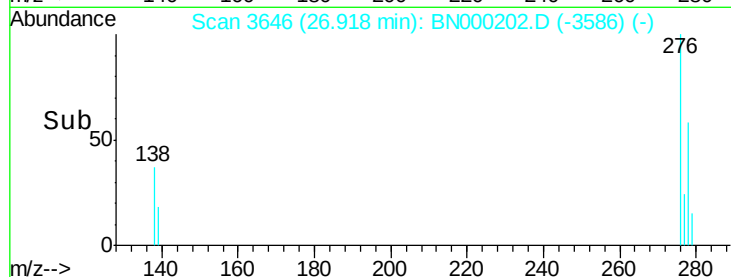
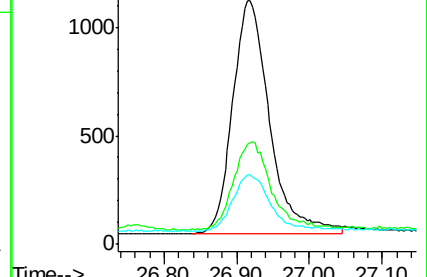
277 24.4 19.9 29.9



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: 24.37 min Scan# 2901

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

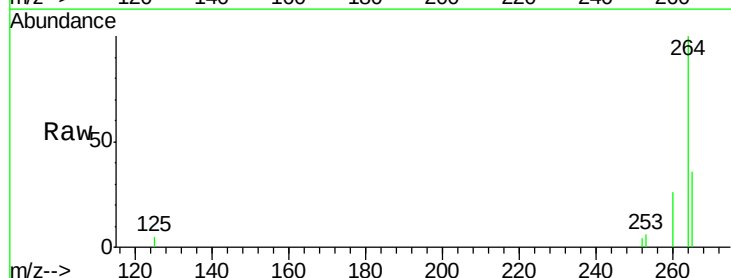
Tgt Ion:264 Resp: 15748

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

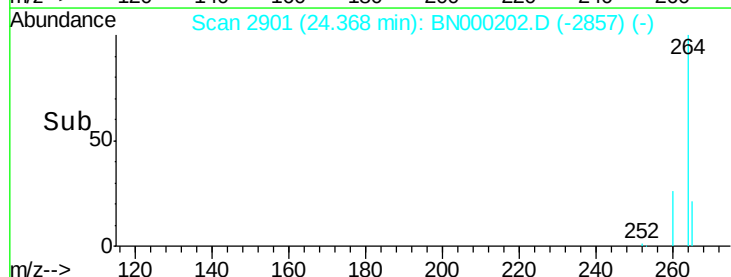
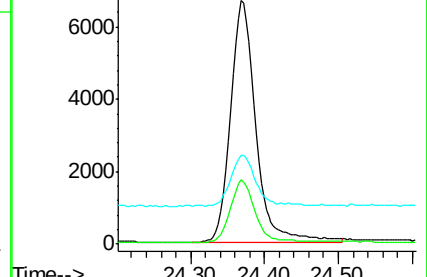
265 36.4 22.8 34.2#

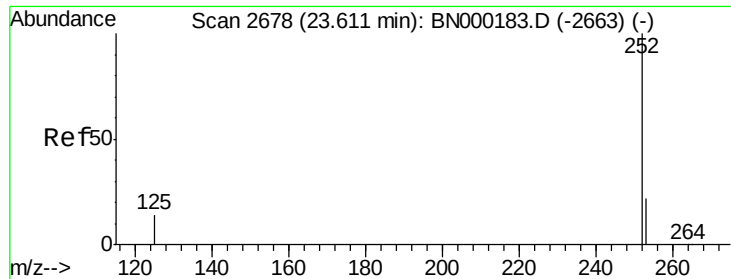


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

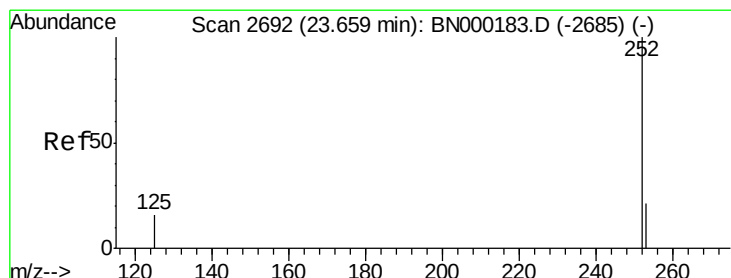
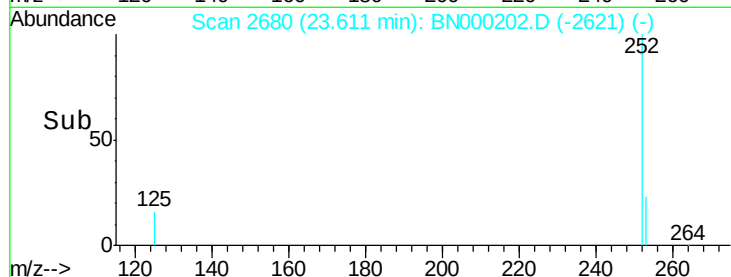
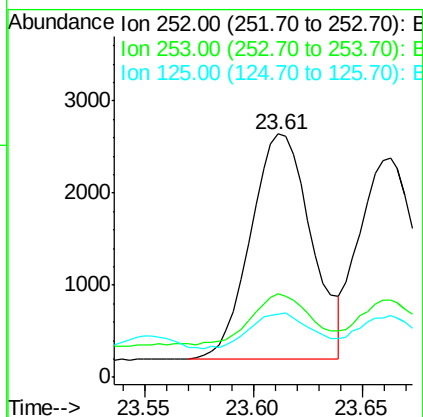
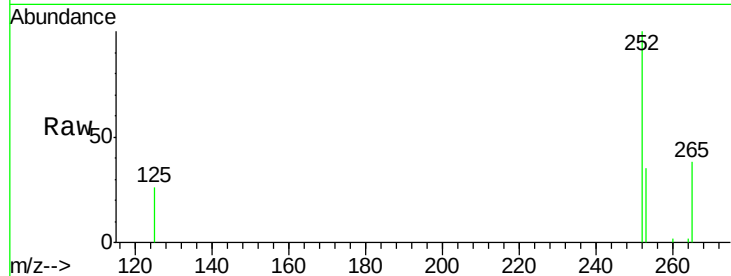




#35
Benzo(b)fluoranthene
Concen: 0.066 ng
RT: 23.61 min Scan# 2680
Delta R.T. 0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

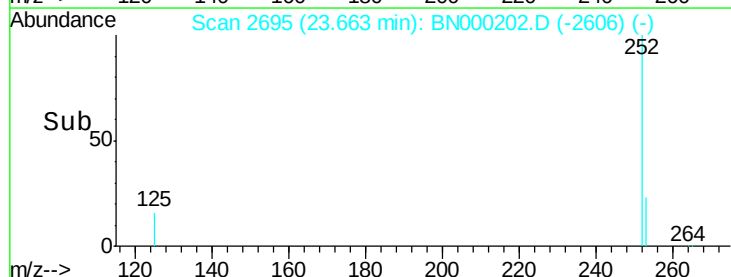
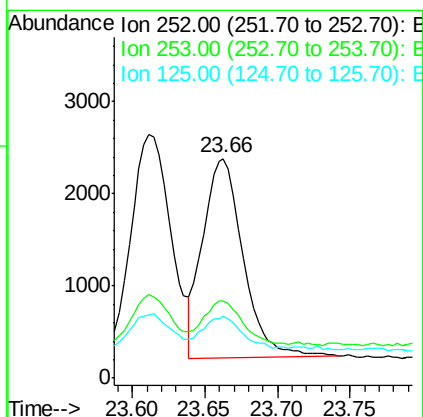
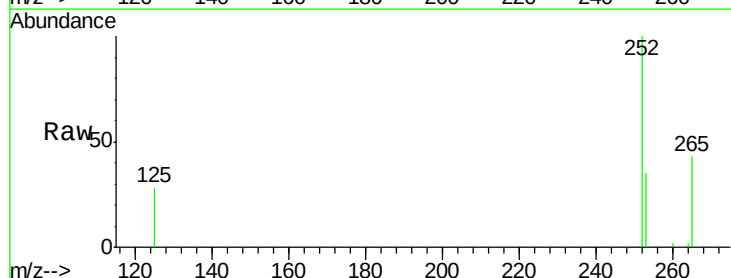
Instrument :
BNA_N
ClientSampleId :
MDL-S-04

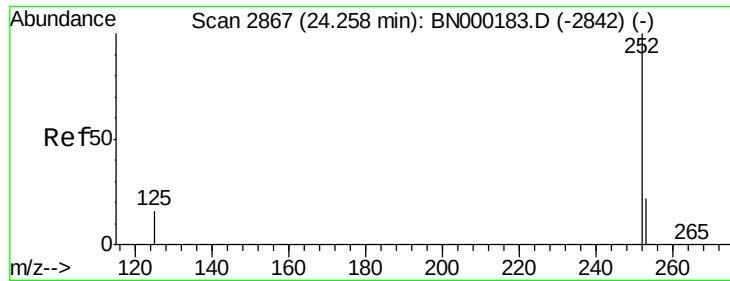
Tgt Ion: 252 Resp: 4754
Ion Ratio Lower Upper
252 100
253 34.6 20.0 30.0#
125 26.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.059 ng
RT: 23.66 min Scan# 2695
Delta R.T. 0.00 min
Lab File: BN000202.D
Acq: 28 Feb 2018 12:26

Tgt Ion: 252 Resp: 4156
Ion Ratio Lower Upper
252 100
253 35.1 16.0 24.0#
125 28.1 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.058 ng

RT: 24.26 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

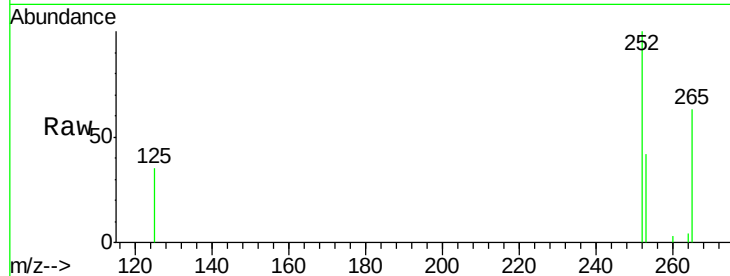
Tgt Ion:252 Resp: 3389

Ion Ratio Lower Upper

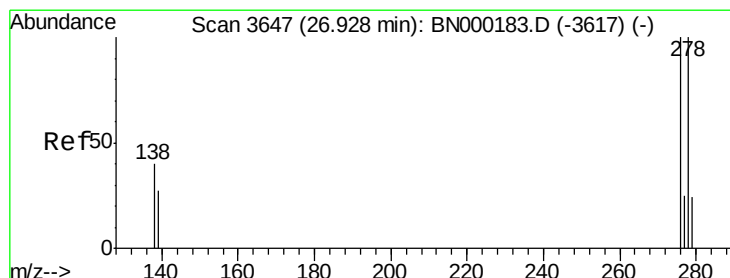
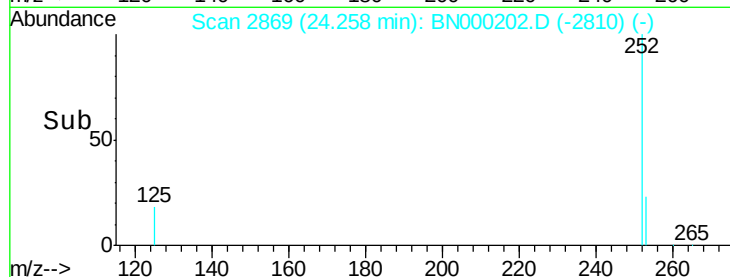
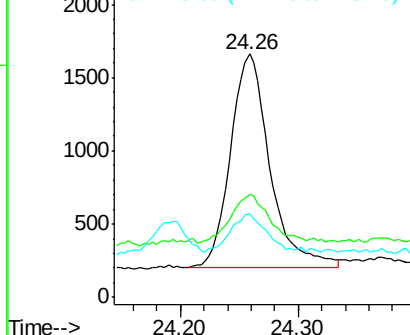
252 100

253 42.3 16.0 24.0#

125 34.6 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.055 ng

RT: 26.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN000202.D

Acq: 28 Feb 2018 12:26

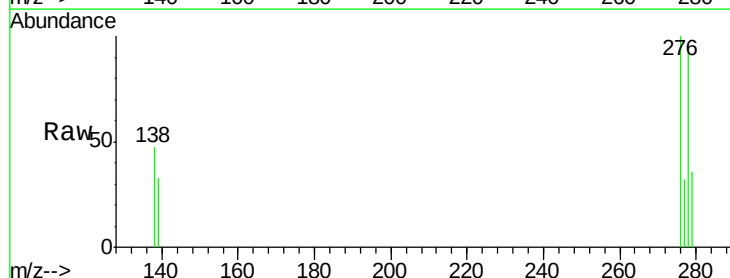
Tgt Ion:278 Resp: 2849

Ion Ratio Lower Upper

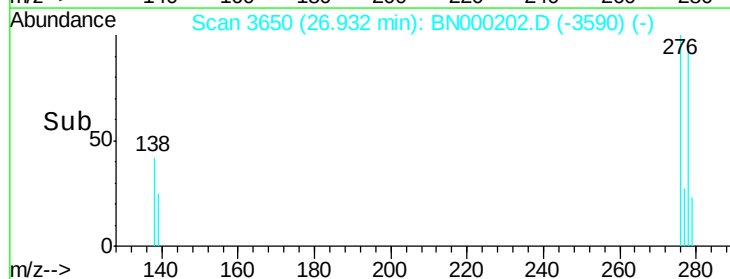
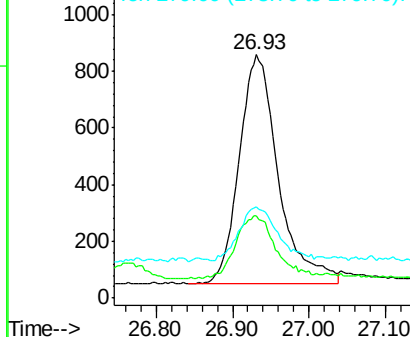
278 100

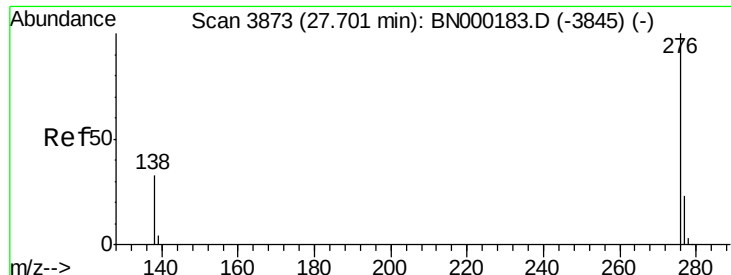
139 34.0 16.0 24.0#

279 37.4 20.0 30.0#



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





#39

Benzo(g,h,i)perylene

Concen: 0.064 ng

RT: 27.71 min Scan# 3876

Delta R.T. 0.00 min

Lab File: BN000202.D

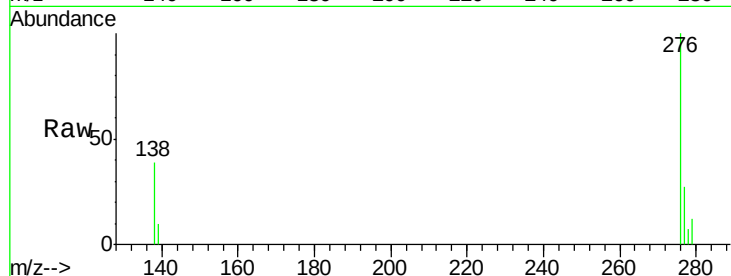
Acq: 28 Feb 2018 12:26

Instrument :

BNA_N

ClientSampleId :

MDL-S-04



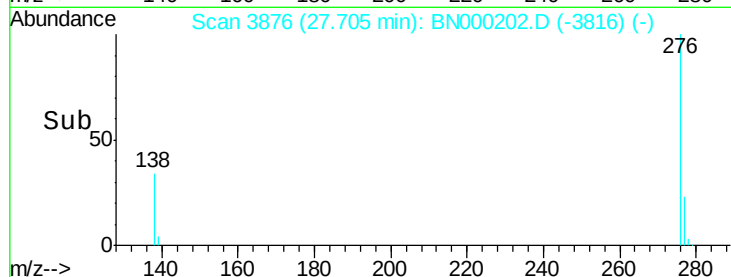
Tgt Ion: 276 Resp: 3927

Ion Ratio Lower Upper

276 100

277 27.5 16.0 24.0#

138 38.5 20.0 30.0#



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

