

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN022718\
 Data File : BN000193.D
 Acq On : 27 Feb 2018 16:30
 Operator : JU/SJ
 Sample : MDL-S-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-01

Quant Time: Feb 27 17:33:31 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	7029	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	25479	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	12589	0.40	ng	0.01
19) Phenanthrene-d10	17.78	188	28297	0.40	ng	0.00
27) Chrysene-d12	21.90	240	19832	0.40	ng	0.00
34) Perylene-d12	24.37	264	15096	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.93	112	4970	0.33	ng	0.00
5) Phenol-d6	7.58	99	6039	0.32	ng	0.00
8) Nitrobenzene-d5	9.63	82	4956	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	13808	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1151	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.69	172	21769	0.36	ng	0.00
25) Fluoranthene-d10	19.77	212	24283	0.32	ng	0.00
29) Terphenyl-d14	20.34	244	14431	0.41	ng	0.00

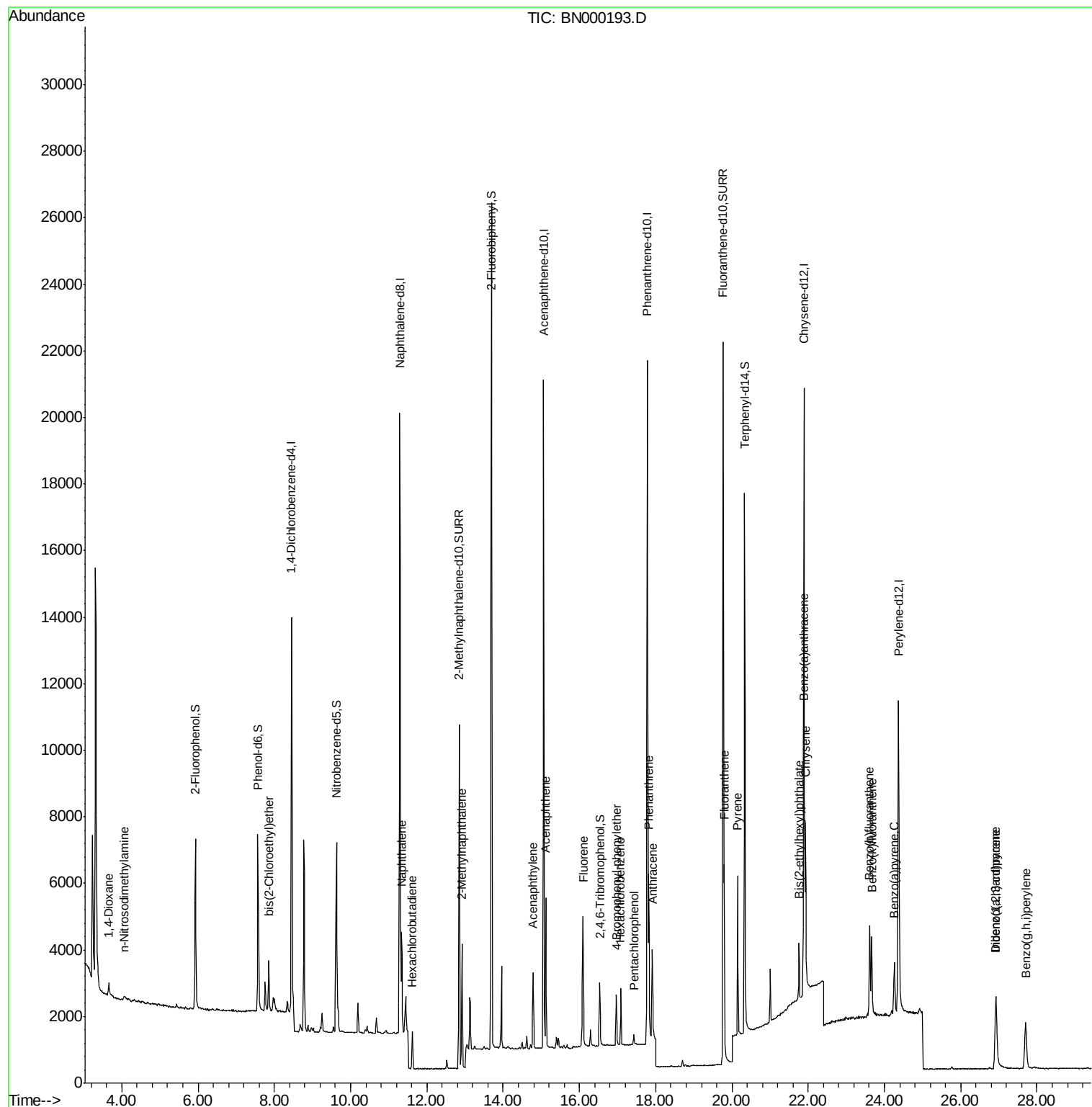
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	430	0.059	ng	97
3) n-Nitrosodimethylamine	4.06	42	82	0.113	ng	# 70
6) bis(2-Chloroethyl)ether	7.85	93	1235	0.052	ng	99
9) Naphthalene	11.34	128	4135	0.056	ng	# 91
10) Hexachlorobutadiene	11.62	225	690	0.055	ng	99
12) 2-Methylnaphthalene	12.92	142	2597	0.053	ng	99
16) Acenaphthylene	14.78	152	2670	0.045	ng	99
17) Acenaphthene	15.13	154	2412	0.052	ng	96
18) Fluorene	16.10	166	2895	0.050	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	778	0.048	ng	# 77
21) Hexachlorobenzene	17.09	284	1149	0.053	ng	93
22) Pentachlorophenol	17.43	266	187	0.122	ng	# 84
23) Phenanthrene	17.82	178	5063	0.051	ng	97
24) Anthracene	17.91	178	3252	0.043	ng	95
26) Fluoranthene	19.80	202	4909	0.048	ng	# 93
28) Pyrene	20.15	202	4792	0.062	ng	99
30) Benzo(a)anthracene	21.87	228	3210	0.051	ng	98
31) Chrysene	21.93	228	4029	0.055	ng	98
32) Bis(2-ethylhexyl)phthalate	21.76	149	1554	0.067	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.91	276	2976	0.044	ng	# 89
35) Benzo(b)fluoranthene	23.61	252	3686	0.053	ng	# 82
36) Benzo(k)fluoranthene	23.66	252	3242	0.048	ng	# 58
37) Benzo(a)pyrene	24.26	252	2648	0.047	ng	# 44
38) Dibenzo(a,h)anthracene	26.93	278	2285	0.046	ng	# 70
39) Benzo(g,h,i)perylene	27.70	276	3056	0.052	ng	# 75

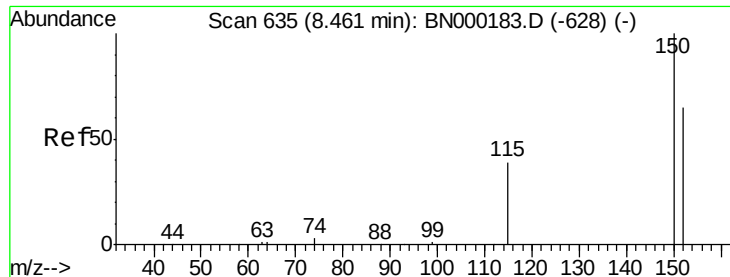
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

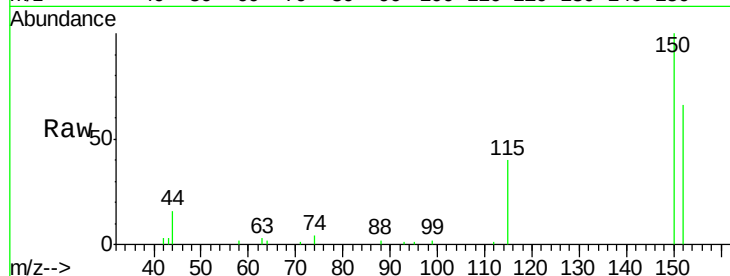
Tgt Ion:152 Resp: 7029

Ion Ratio Lower Upper

152 100

150 151.4 117.2 175.8

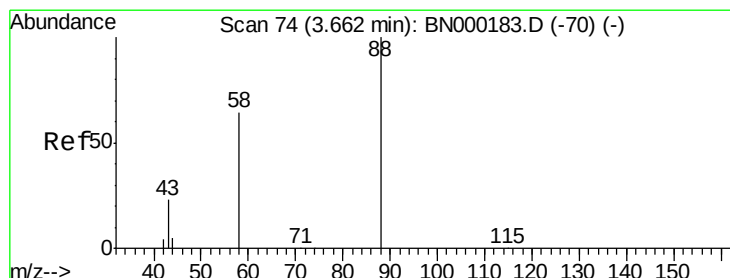
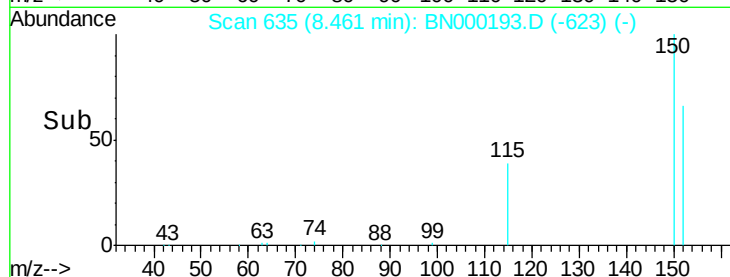
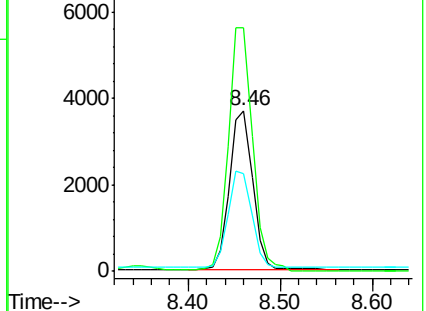
115 61.1 57.0 85.6



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: 0.059 ng

RT: 3.66 min Scan# 74

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

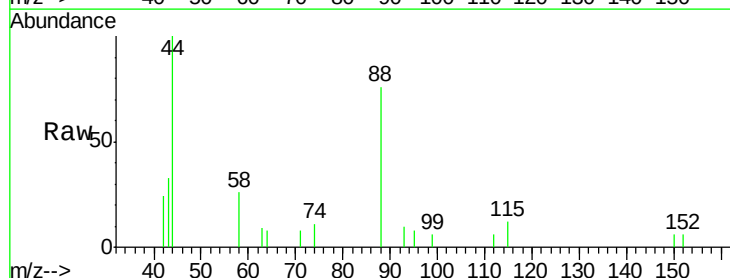
Tgt Ion: 88 Resp: 430

Ion Ratio Lower Upper

88 100

58 60.0 48.0 72.0

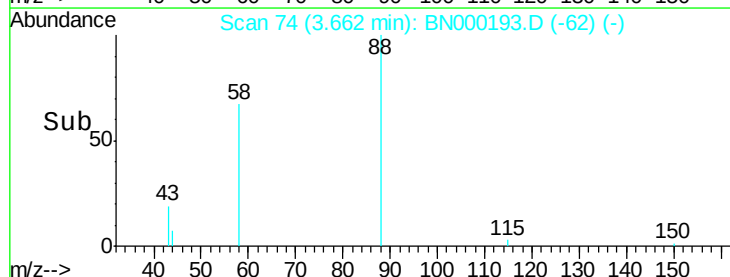
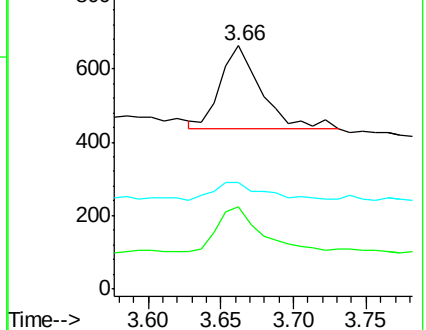
43 30.0 20.0 30.0

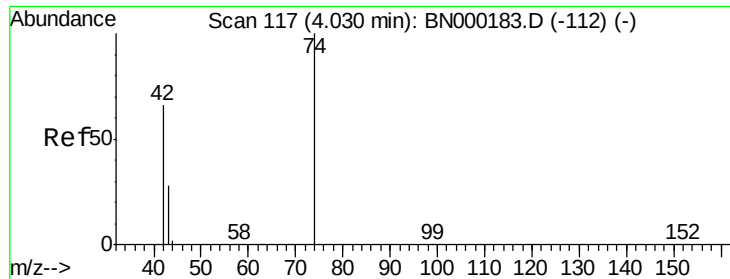


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.113 ng

RT: 4.06 min Scan# 121

Delta R.T. 0.04 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

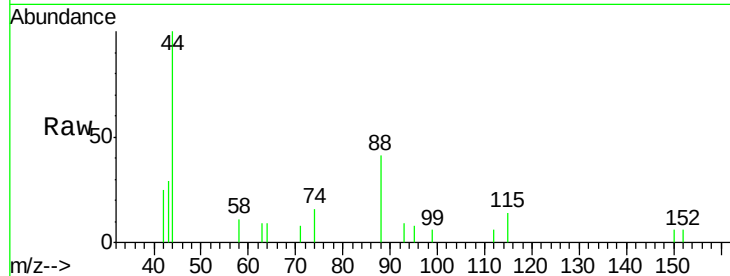
Tgt Ion: 42 Resp: 82

Ion Ratio Lower Upper

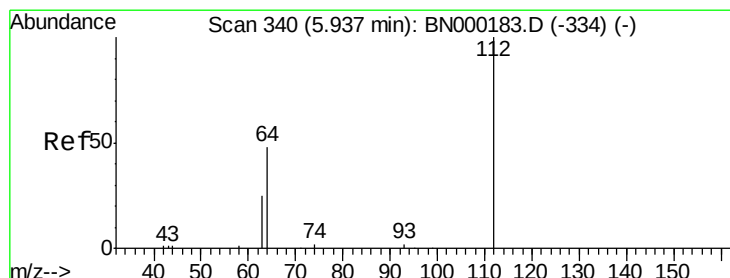
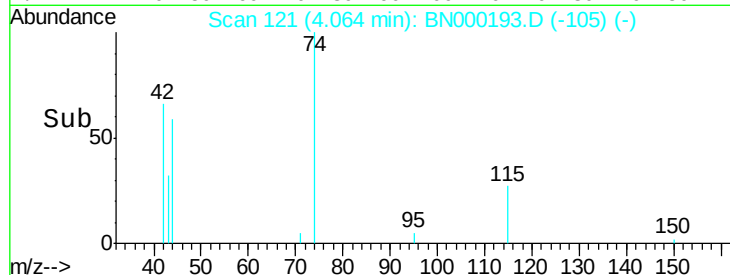
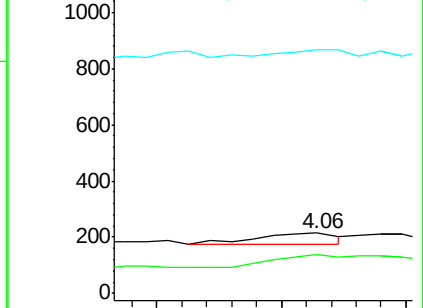
42 100

74 184.1 120.0 180.0#

44 50.0 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: 0.335 ng

RT: 5.93 min Scan# 339

Delta R.T. -0.01 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

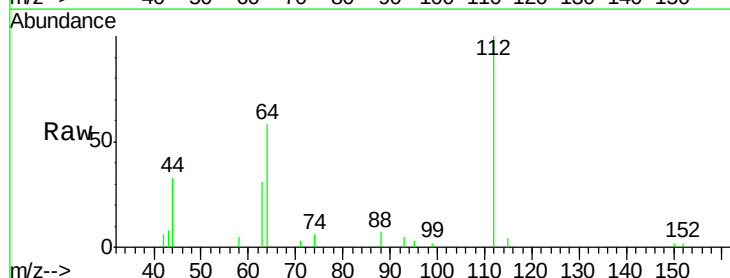
Tgt Ion: 112 Resp: 4970

Ion Ratio Lower Upper

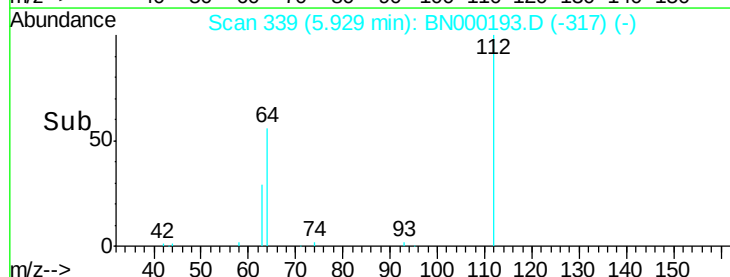
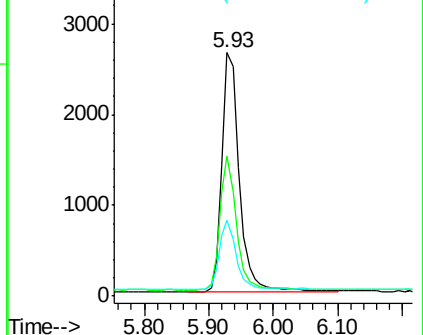
112 100

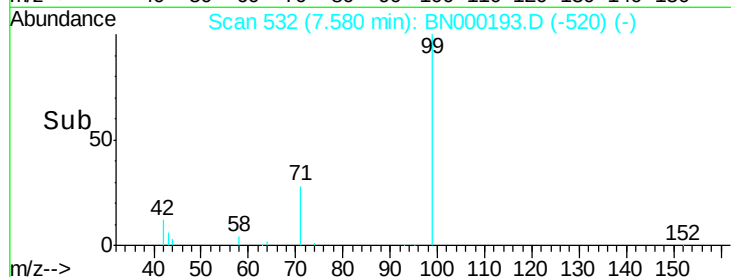
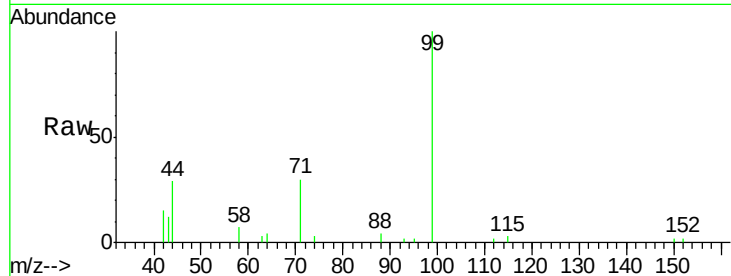
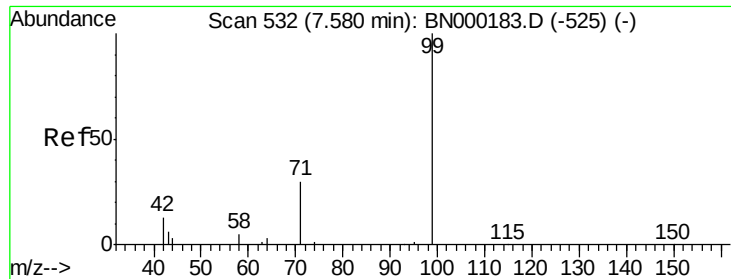
64 54.1 60.1 90.1#

63 28.5 116.8 175.2#



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: 0.320 ng

RT: 7.58 min Scan# 532

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

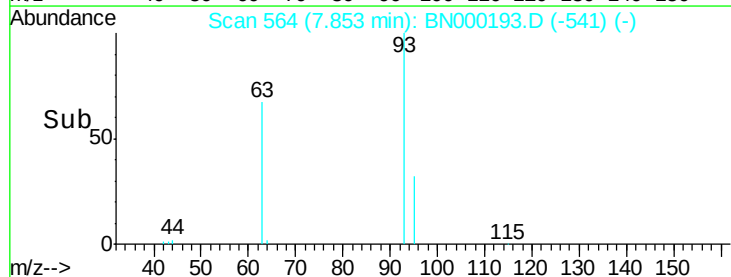
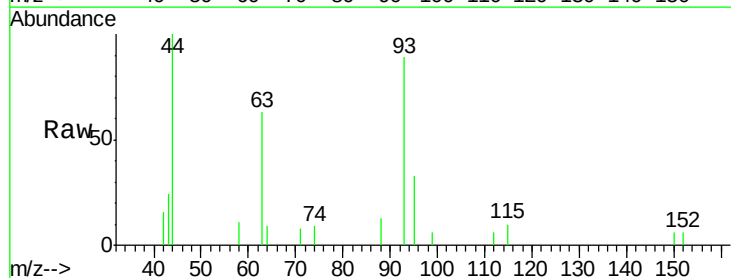
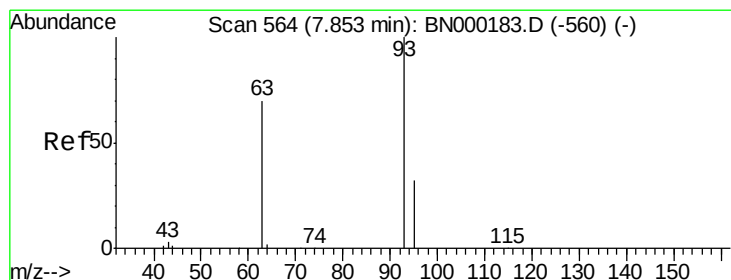
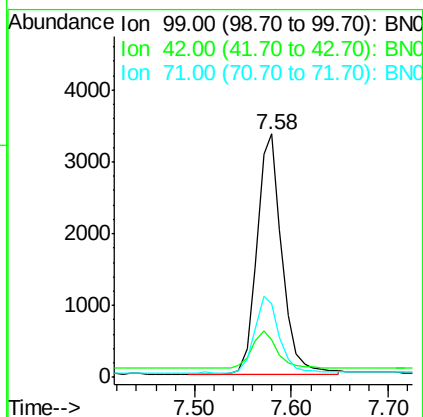
Tgt Ion: 99 Resp: 6039

Ion Ratio Lower Upper

99 100

42 15.6 20.2 30.2#

71 31.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.052 ng

RT: 7.85 min Scan# 564

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

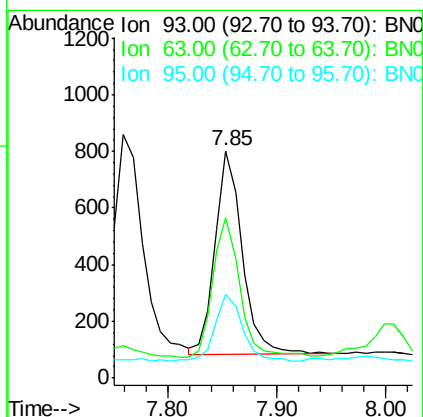
Tgt Ion: 93 Resp: 1235

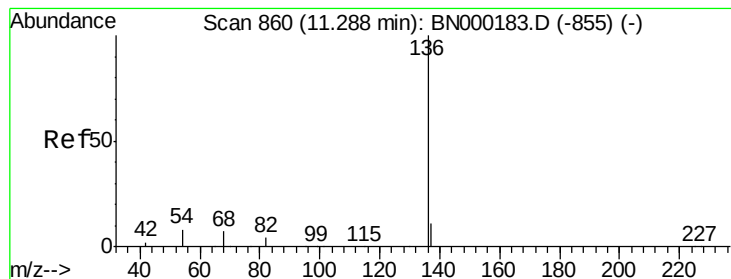
Ion Ratio Lower Upper

93 100

63 69.5 56.0 84.0

95 32.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 860

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

Tgt Ion:136 Resp: 25479

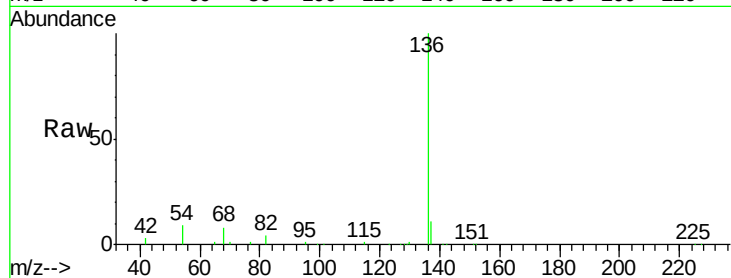
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 8.6 29.1 43.7#

68 7.9 6.2 9.2

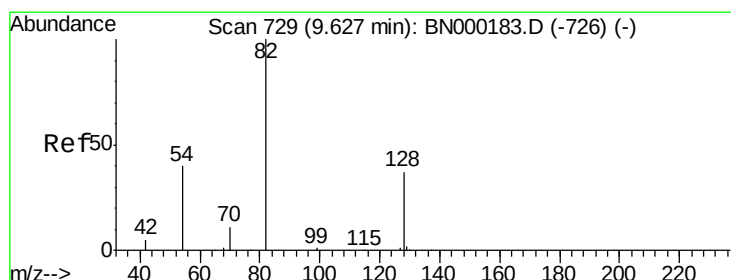
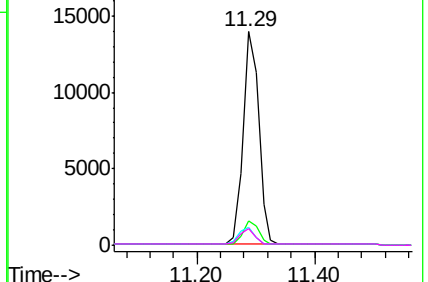
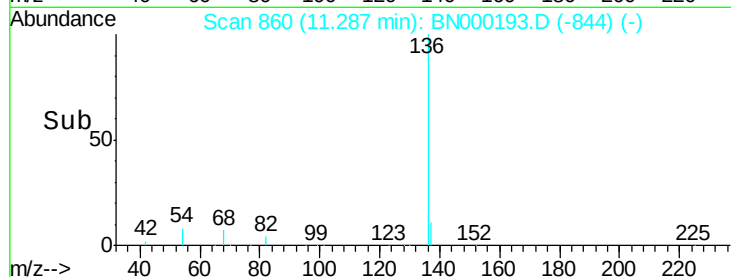


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.328 ng

RT: 9.63 min Scan# 729

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

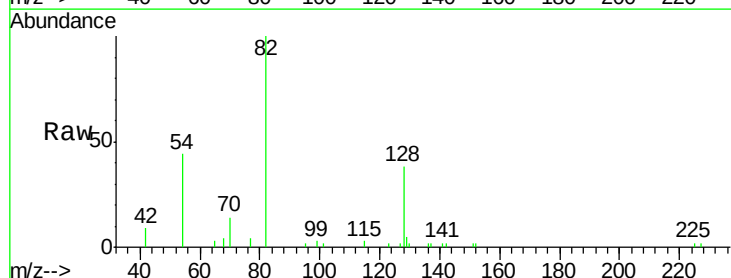
Tgt Ion: 82 Resp: 4956

Ion Ratio Lower Upper

82 100

128 38.4 150.0 225.0#

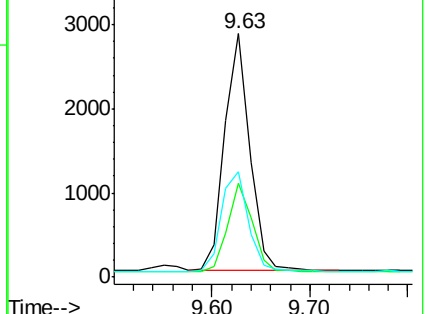
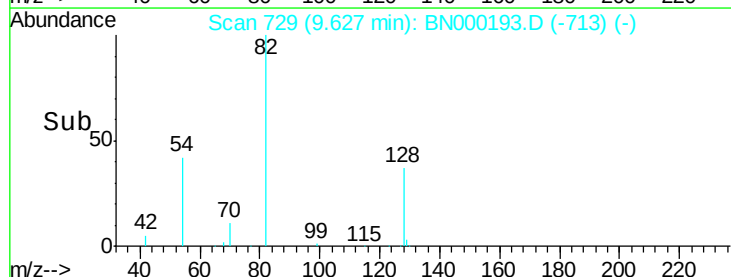
54 43.5 154.2 231.4#

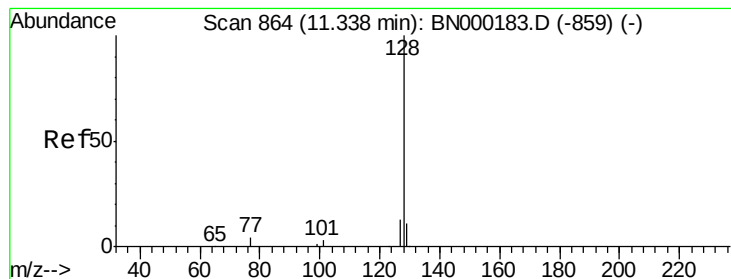


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.056 ng

RT: 11.34 min Scan# 864

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

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MDL-S-01

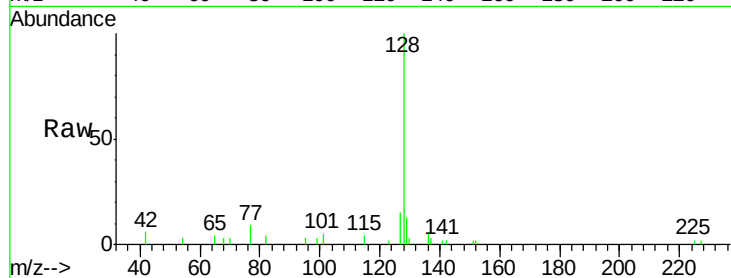
Tgt Ion:128 Resp: 4135

Ion Ratio Lower Upper

128 100

129 13.3 8.0 12.0#

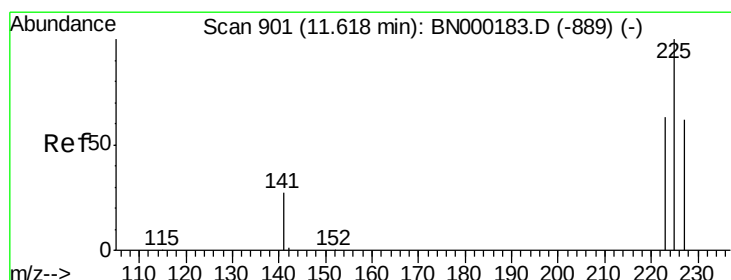
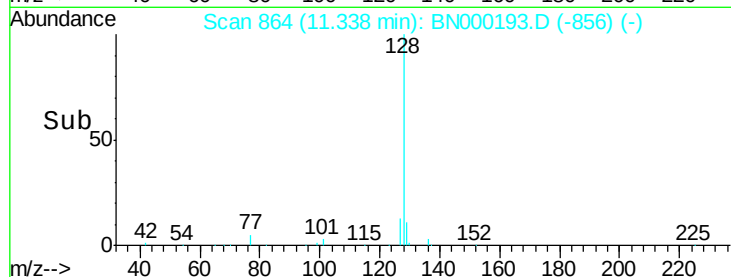
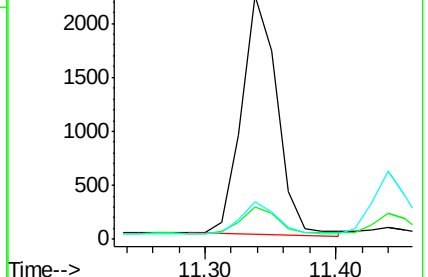
127 15.2 9.6 14.4#



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: 0.055 ng

RT: 11.62 min Scan# 901

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

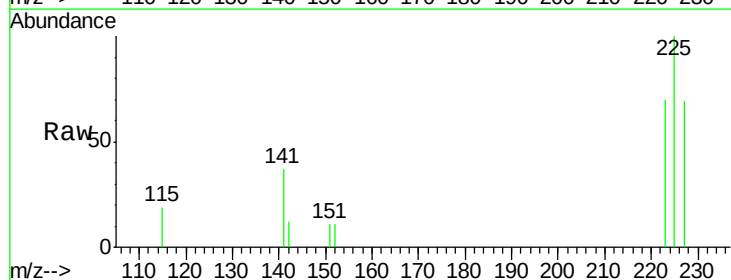
Tgt Ion:225 Resp: 690

Ion Ratio Lower Upper

225 100

223 64.9 53.0 79.6

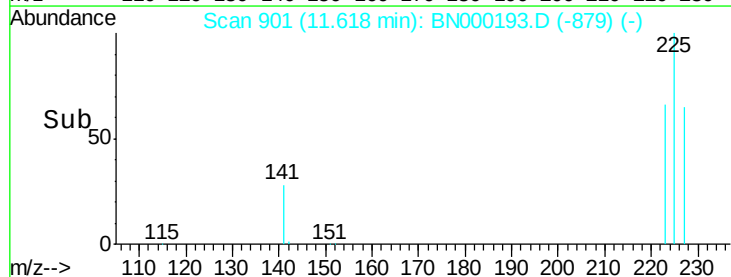
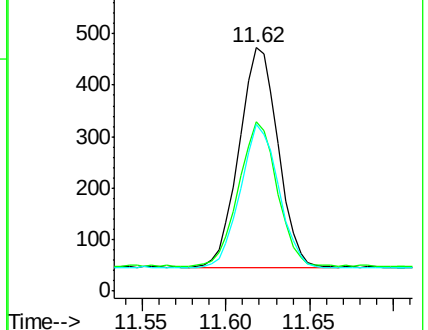
227 64.2 51.4 77.2

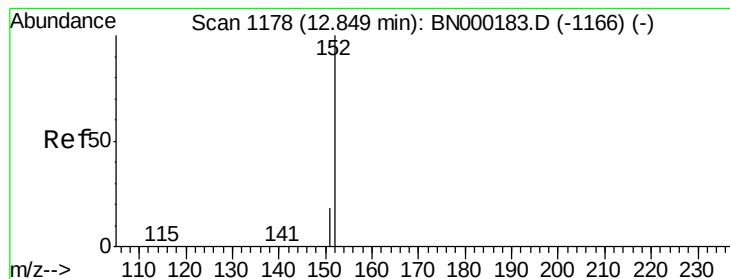


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.85 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

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BNA_N

ClientSampleId :

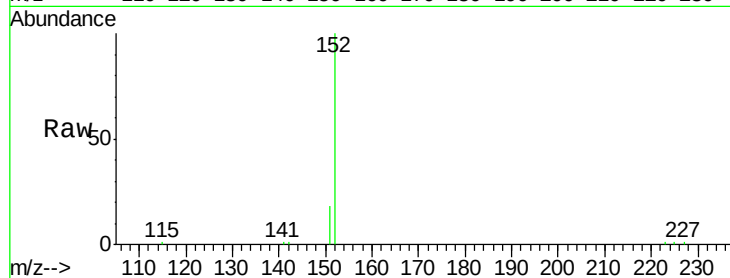
MDL-S-01

Tgt Ion:152 Resp: 13808

Ion Ratio Lower Upper

152 100

151 19.1 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

10000

8000

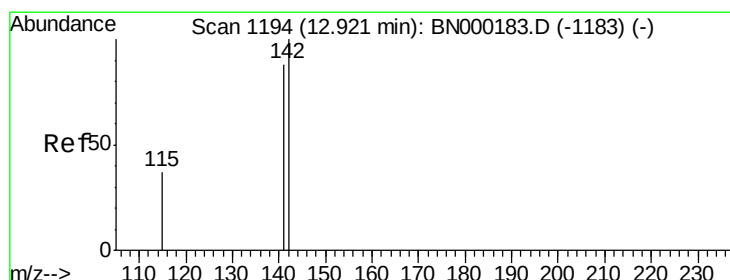
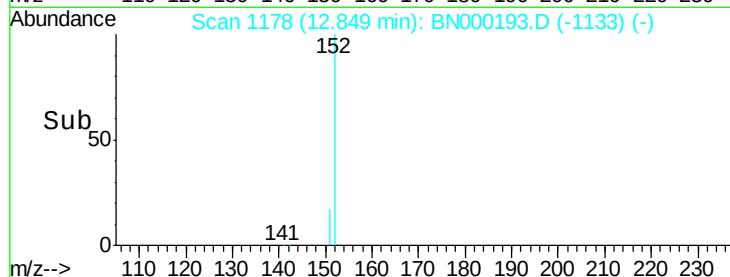
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.053 ng

RT: 12.92 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

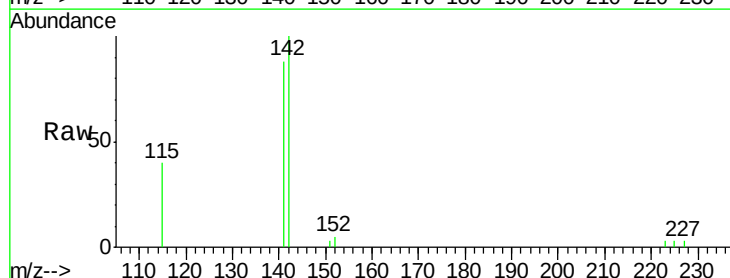
Tgt Ion:142 Resp: 2597

Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6

115 40.5 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

12.92

2000

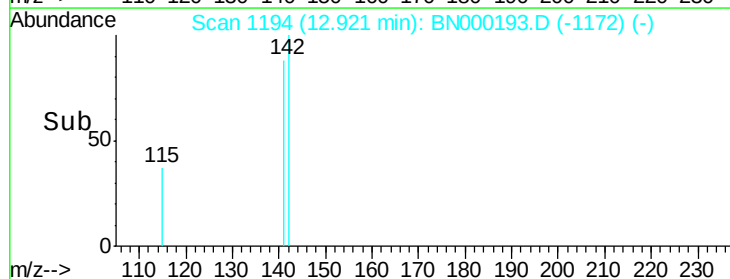
1500

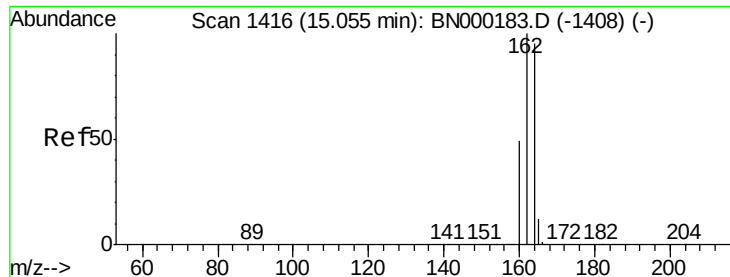
1000

500

0

Time-->

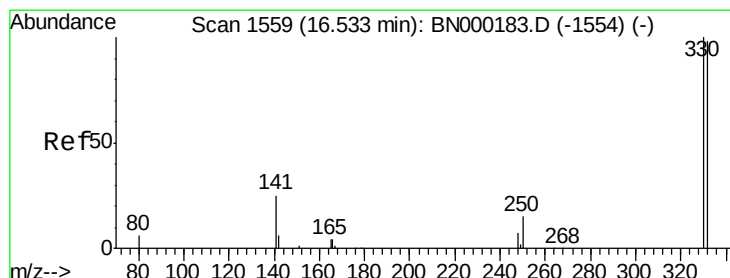
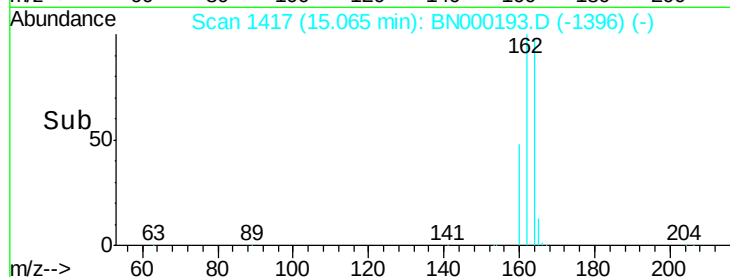
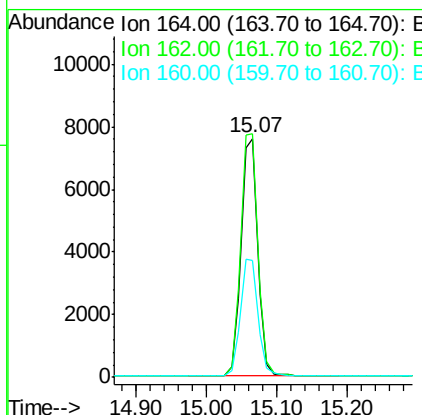
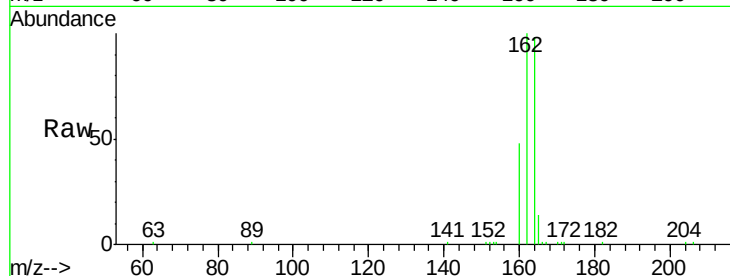




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.07 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

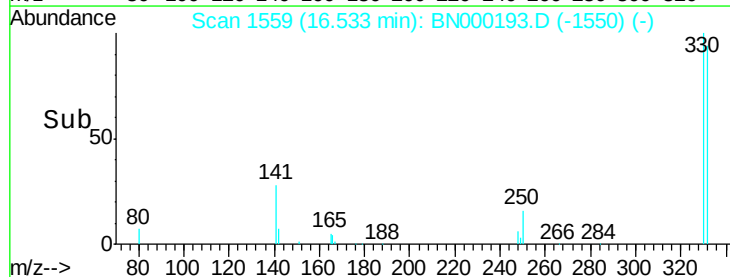
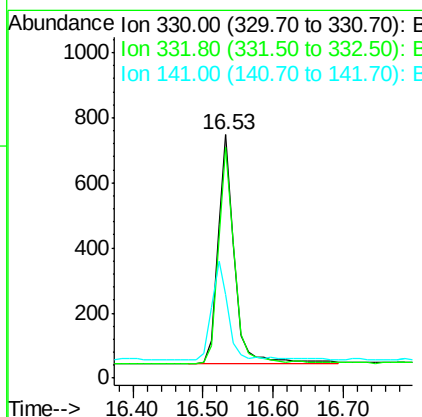
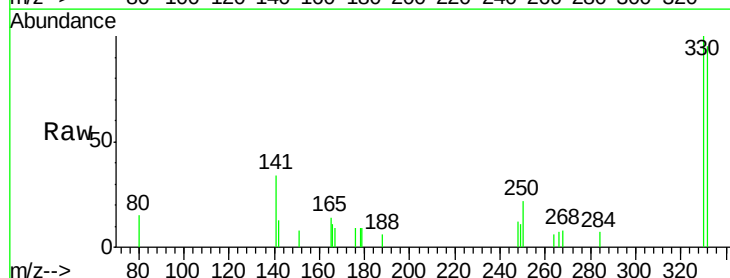
Instrument :
BNA_N
ClientSampled :
MDL-S-01

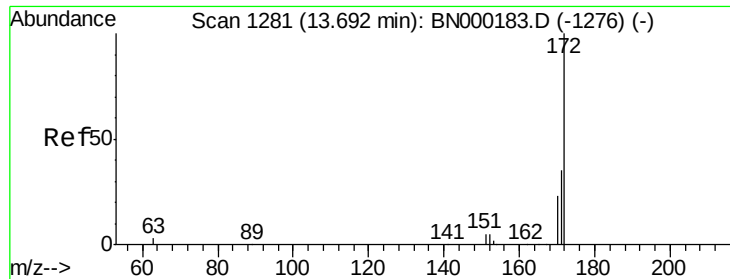
Tgt Ion:164 Resp: 12589
Ion Ratio Lower Upper
164 100
162 102.1 83.1 124.7
160 49.0 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.288 ng
RT: 16.53 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

Tgt Ion:330 Resp: 1151
Ion Ratio Lower Upper
330 100
332 94.4 152.7 229.1#
141 43.4 33.7 50.5

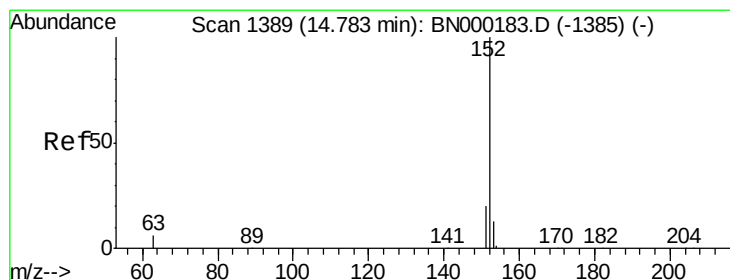
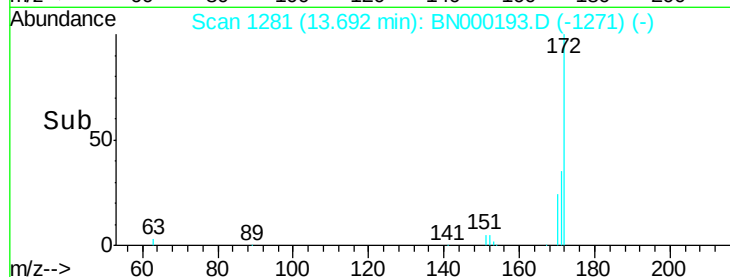
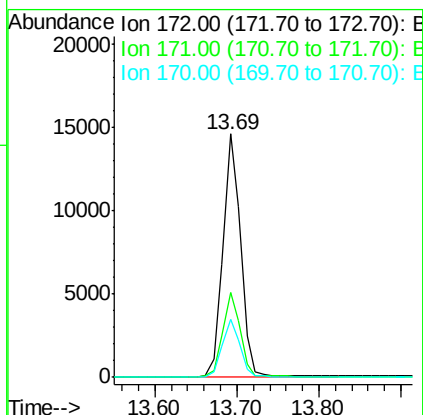
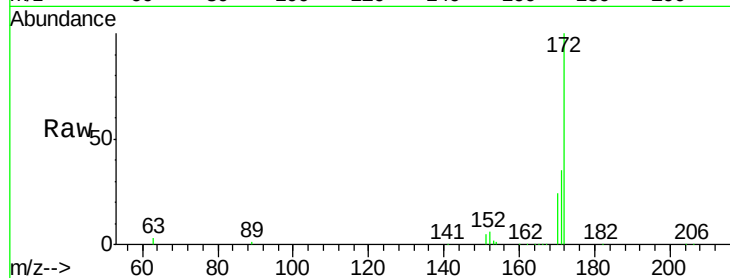




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.69 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

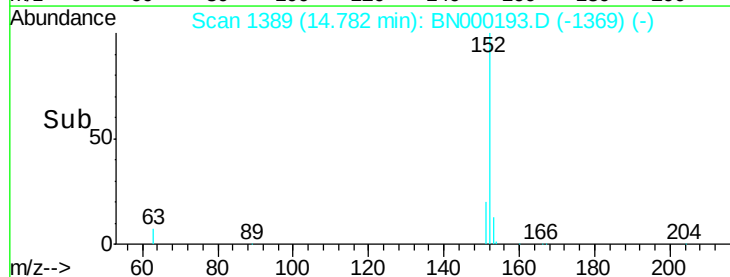
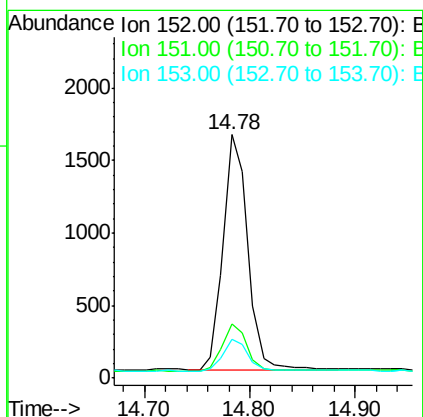
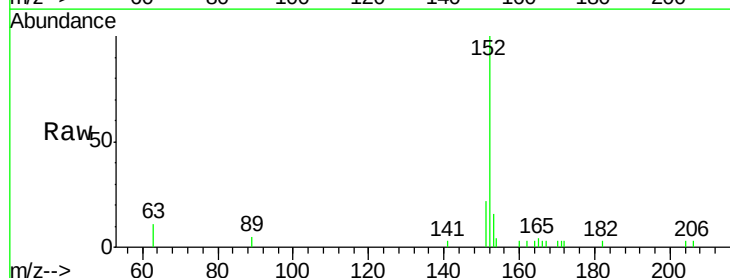
Instrument :
BNA_N
ClientSampleId :
MDL-S-01

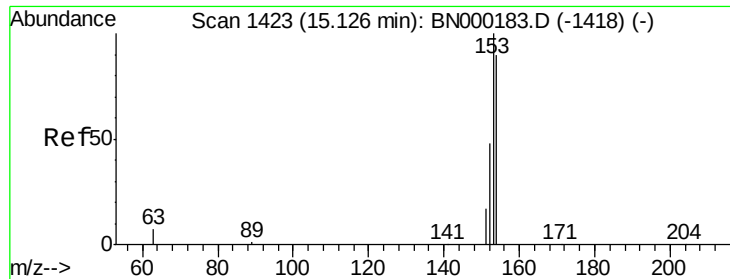
Tgt Ion:172 Resp: 21769
Ion Ratio Lower Upper
172 100
171 34.9 29.9 44.9
170 24.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.045 ng
RT: 14.78 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

Tgt Ion:152 Resp: 2670
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.3 10.5 15.7

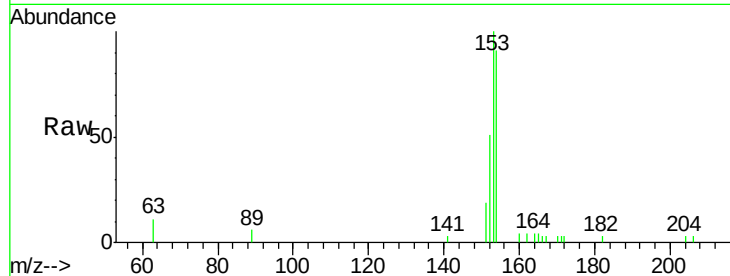




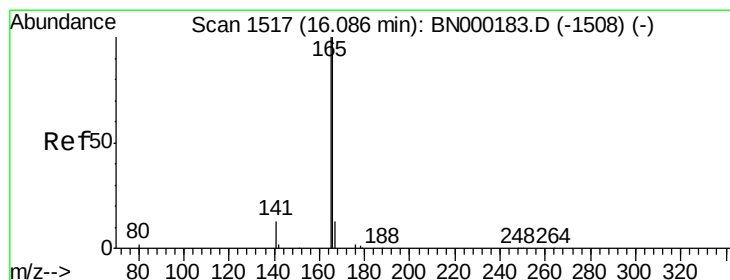
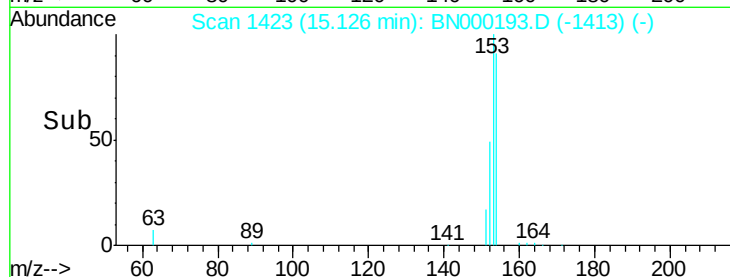
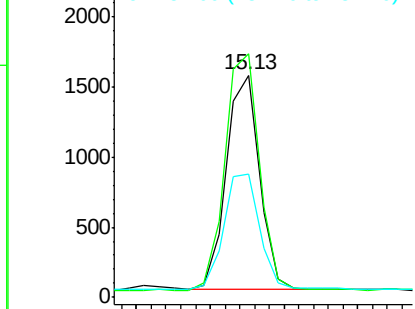
#17
Acenaphthene
Concen: 0.052 ng
RT: 15.13 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

Instrument :
BNA_N
ClientSampleId :
MDL-S-01

Tgt Ion:154 Resp: 2412
Ion Ratio Lower Upper
154 100
153 113.6 89.2 133.8
152 57.7 42.0 63.0

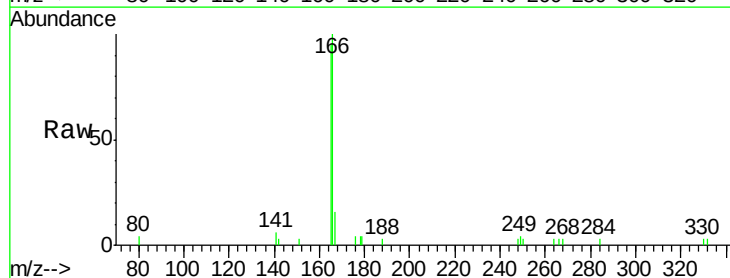


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

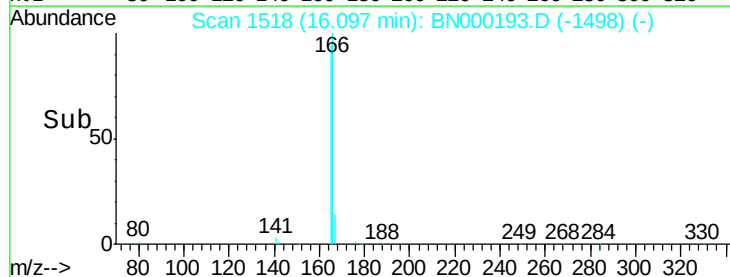
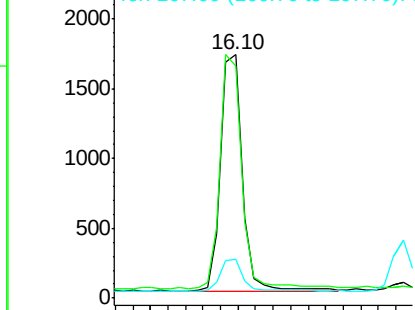


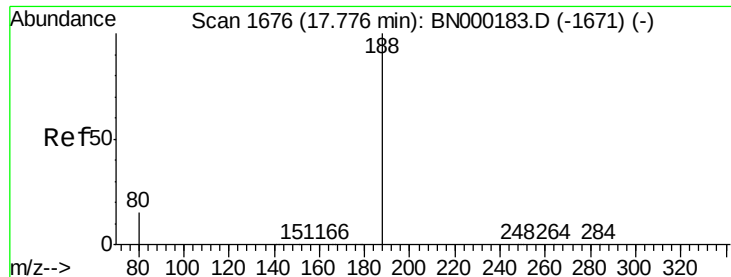
#18
Fluorene
Concen: 0.050 ng
RT: 16.10 min Scan# 1518
Delta R.T. 0.01 min
Lab File: BN000193.D
Acq: 27 Feb 2018 16:30

Tgt Ion:166 Resp: 2895
Ion Ratio Lower Upper
166 100
165 99.7 77.8 116.6
167 13.7 42.4 63.6#



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: 17.78 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

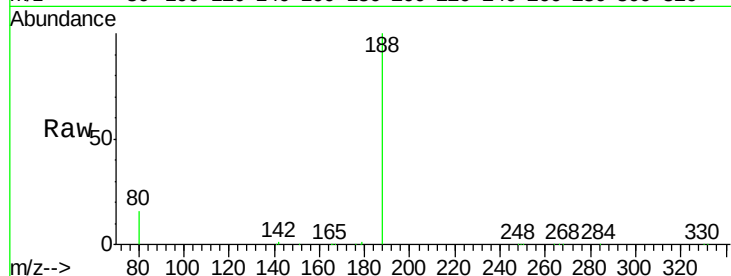
Tgt Ion:188 Resp: 28297

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

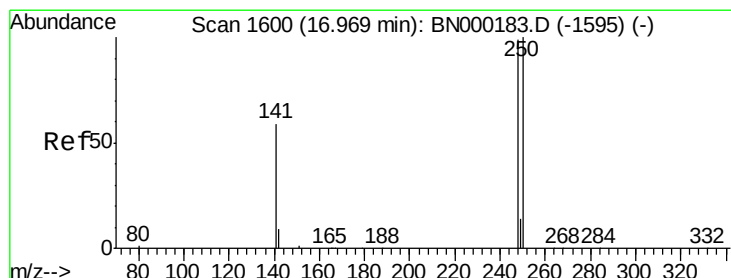
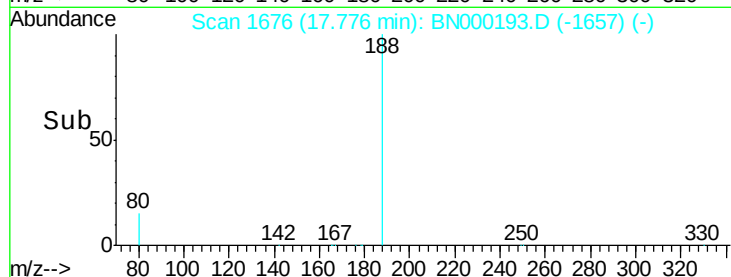
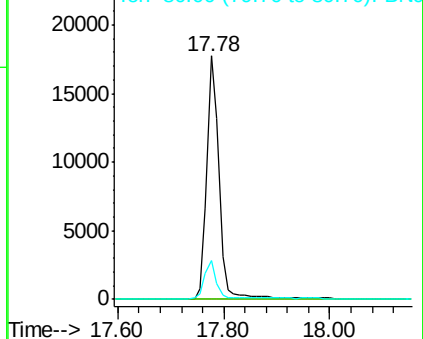
80 15.7 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.048 ng

RT: 16.97 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

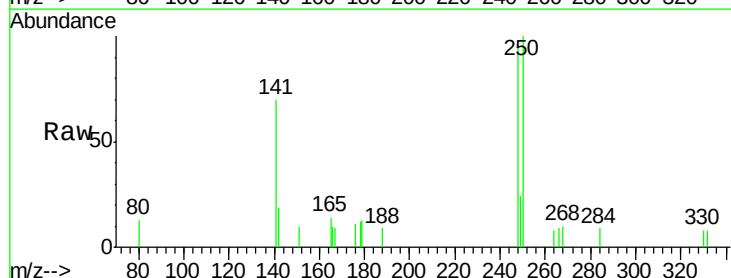
Tgt Ion:248 Resp: 778

Ion Ratio Lower Upper

248 100

250 103.8 62.7 94.1#

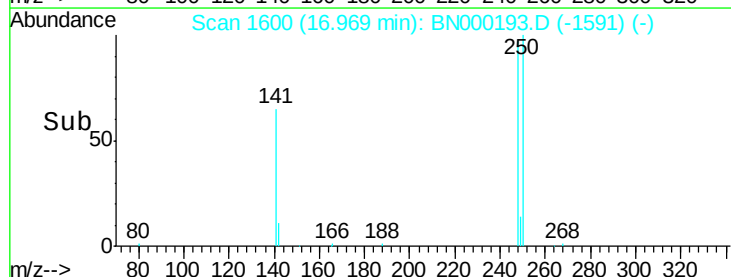
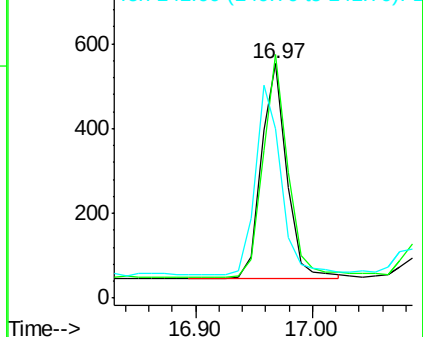
141 72.2 48.2 72.2

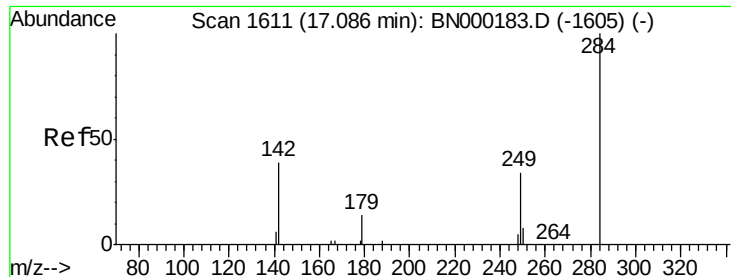


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.053 ng

RT: 17.09 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

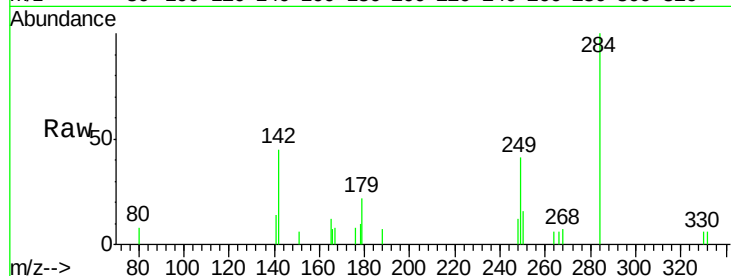
Tgt Ion:284 Resp: 1149

Ion Ratio Lower Upper

284 100

142 43.2 32.0 48.0

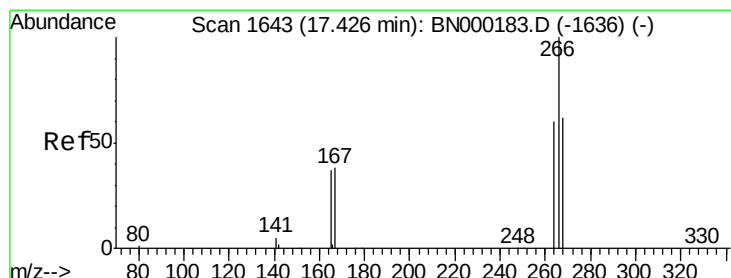
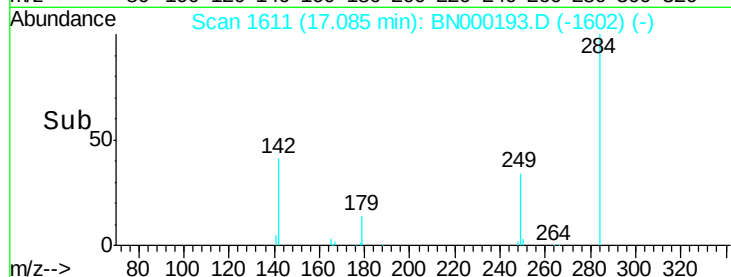
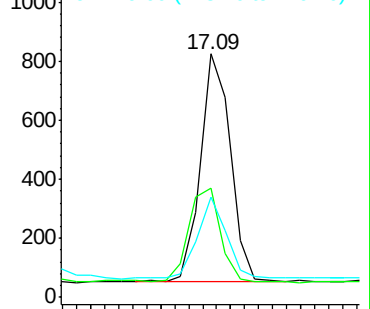
249 34.6 24.0 36.0



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: 0.122 ng

RT: 17.43 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

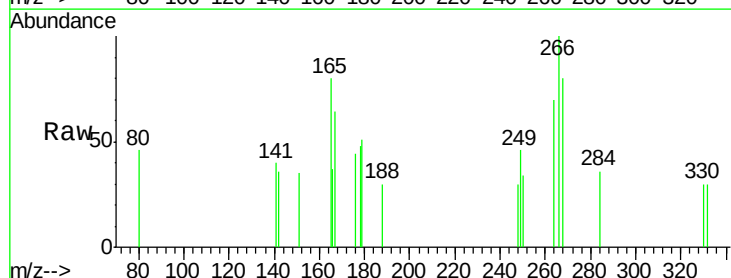
Tgt Ion:266 Resp: 187

Ion Ratio Lower Upper

266 100

264 69.7 48.0 72.0

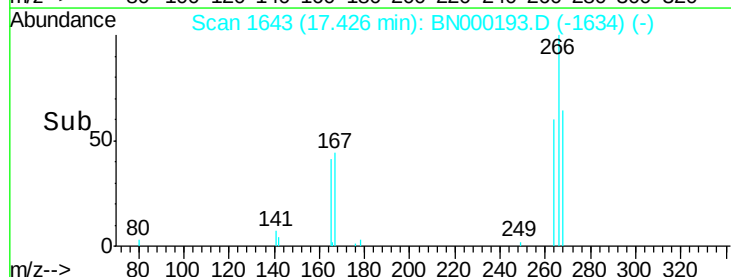
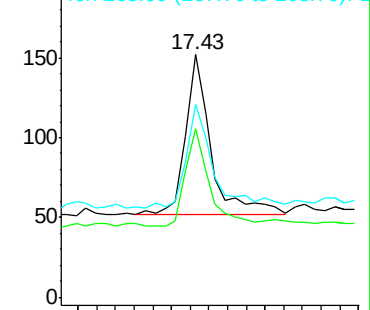
268 79.6 52.0 78.0#

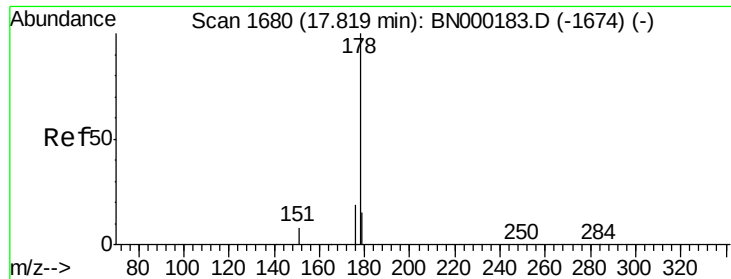


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.051 ng

RT: 17.82 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

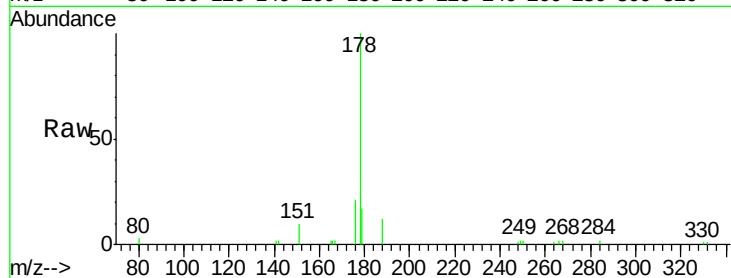
Tgt Ion:178 Resp: 5063

Ion Ratio Lower Upper

178 100

176 20.8 15.1 22.7

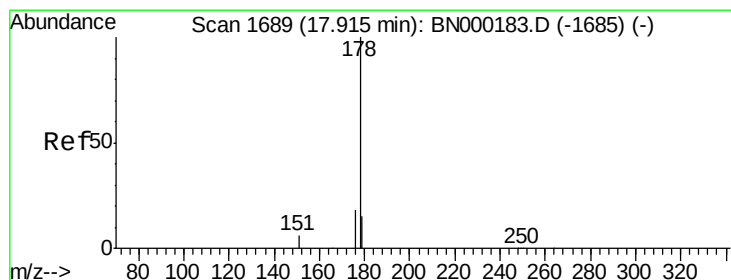
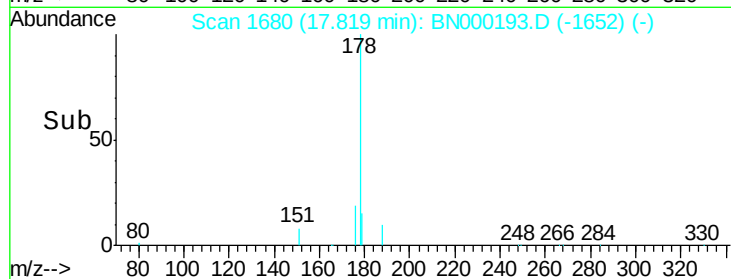
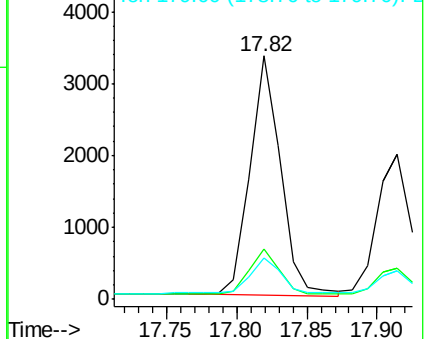
179 15.4 11.8 17.6



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: 0.043 ng

RT: 17.91 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

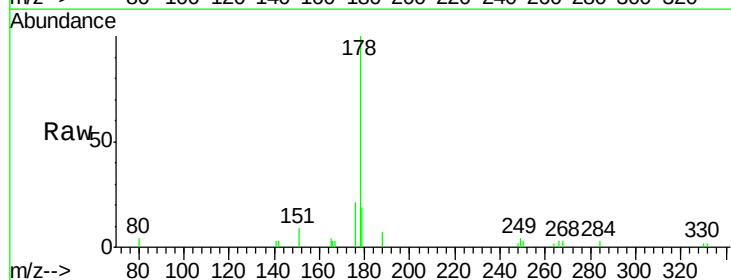
Tgt Ion:178 Resp: 3252

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

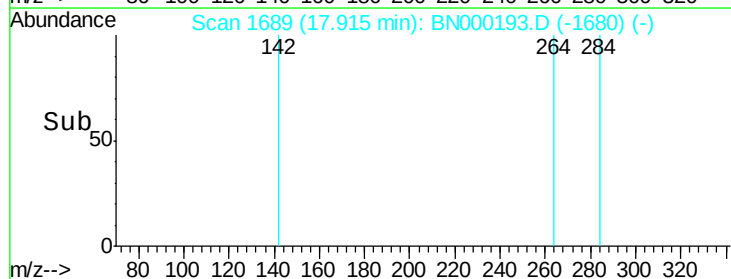
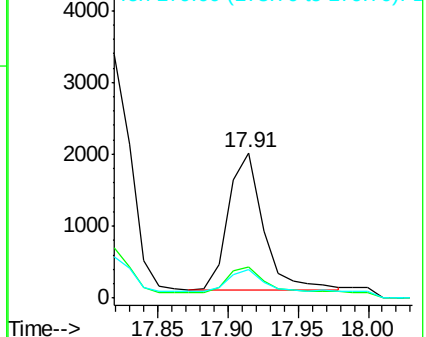
179 15.3 13.0 19.6

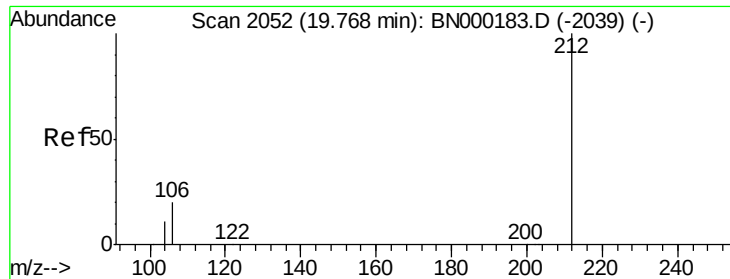


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.321 ng

RT: 19.77 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

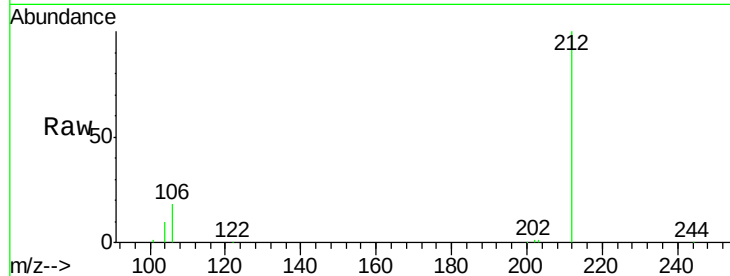
Tgt Ion:212 Resp: 24283

Ion Ratio Lower Upper

212 100

106 19.4 2.8 4.2#

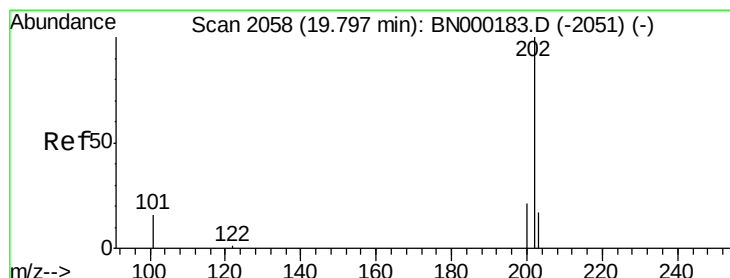
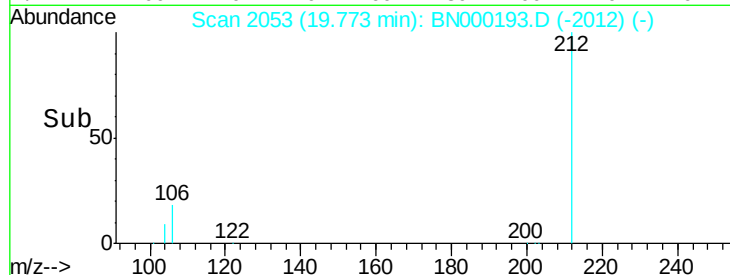
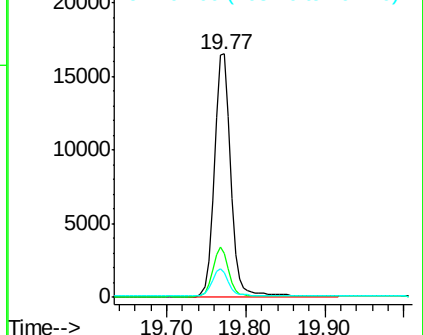
104 10.7 1.6 2.4#



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: 0.048 ng

RT: 19.80 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

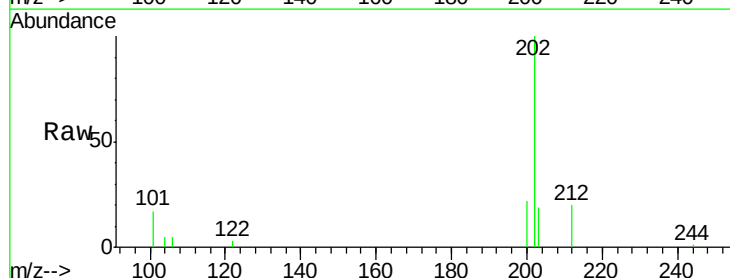
Tgt Ion:202 Resp: 4909

Ion Ratio Lower Upper

202 100

101 16.4 9.8 14.8#

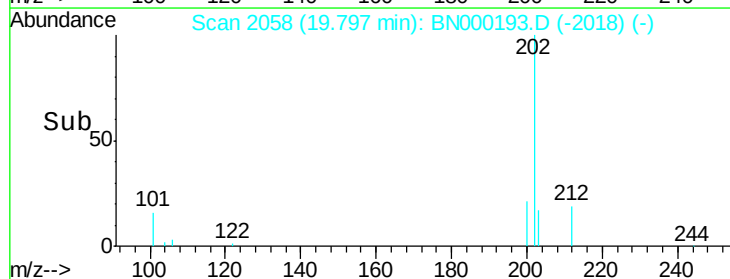
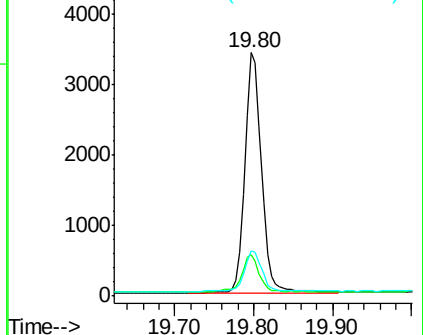
203 18.9 13.7 20.5

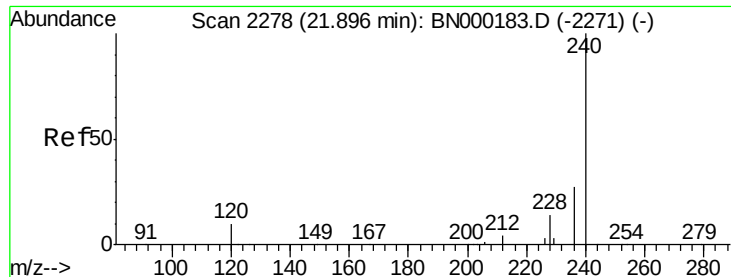


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2278

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

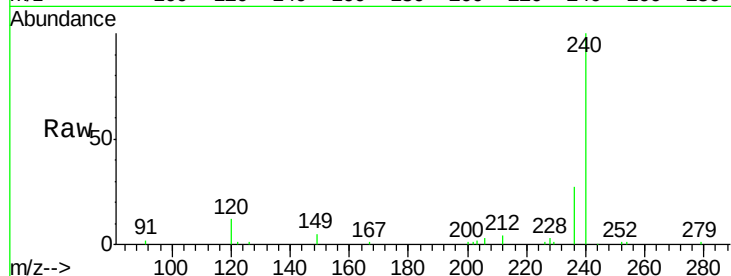
Tgt Ion:240 Resp: 19832

Ion Ratio Lower Upper

240 100

120 12.2 5.5 8.3#

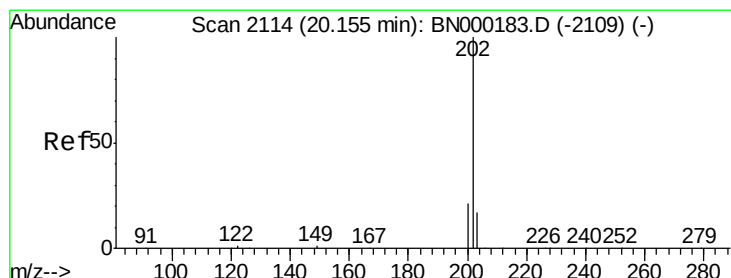
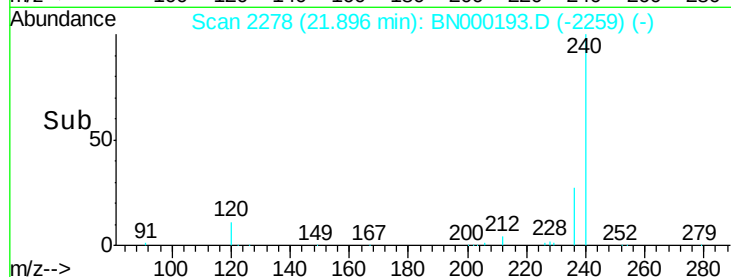
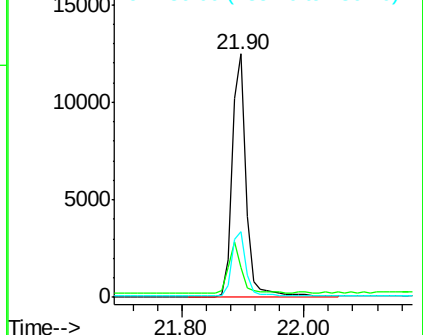
236 27.1 20.7 31.1



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: 0.062 ng

RT: 20.15 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

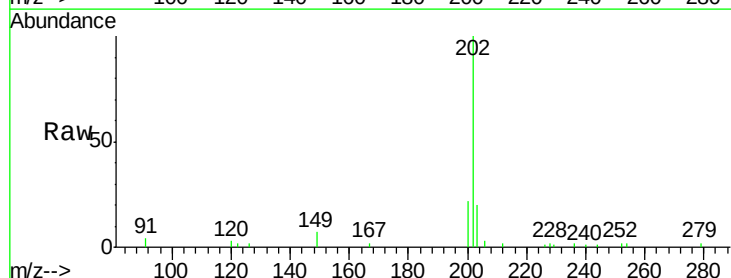
Tgt Ion:202 Resp: 4792

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

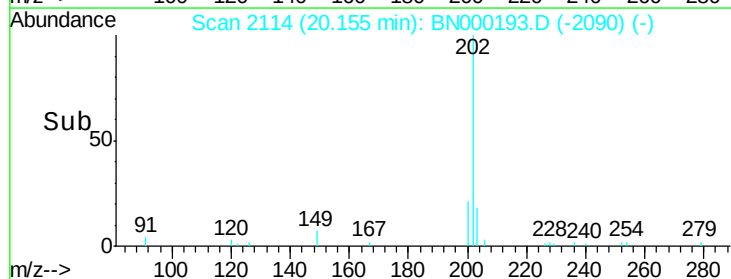
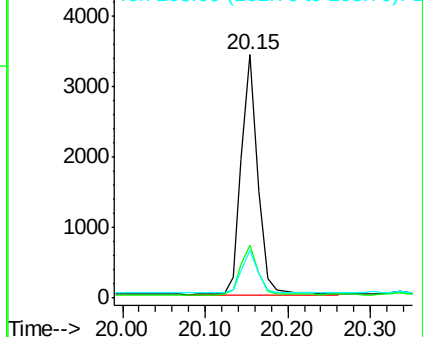
203 18.3 13.8 20.8

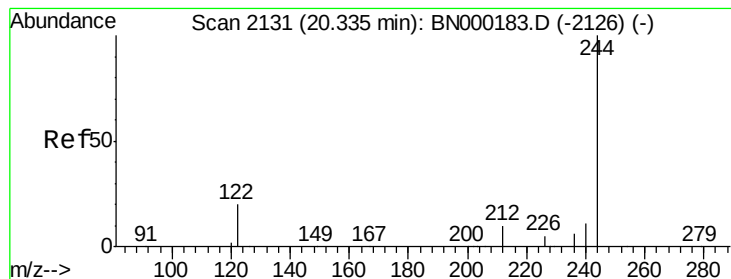


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.414 ng

RT: 20.34 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

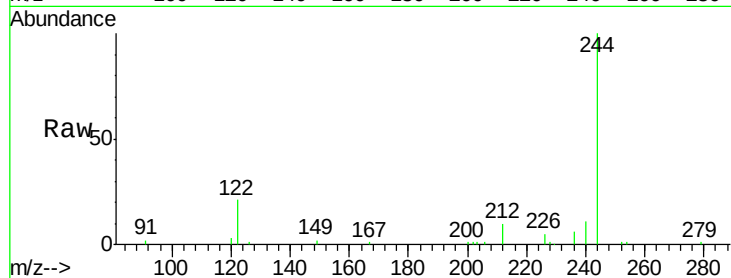
Tgt Ion:244 Resp: 14431

Ion Ratio Lower Upper

244 100

212 10.4 25.4 38.0#

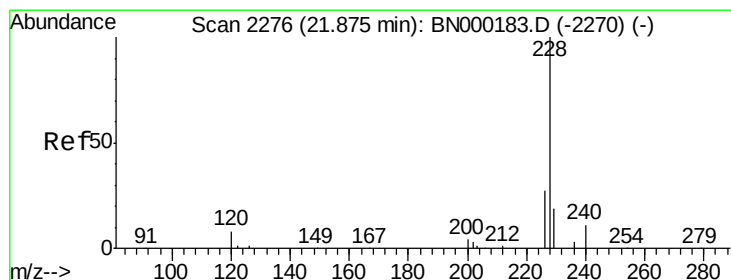
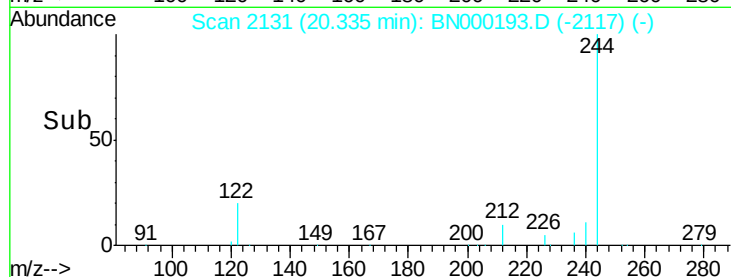
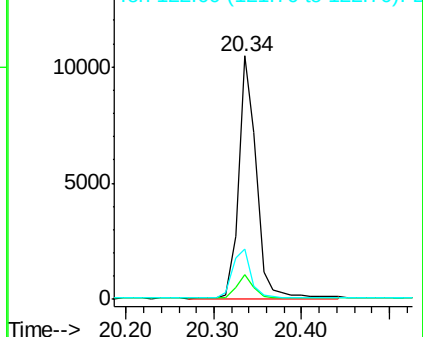
122 20.6 8.1 12.1#



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: 0.051 ng

RT: 21.87 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

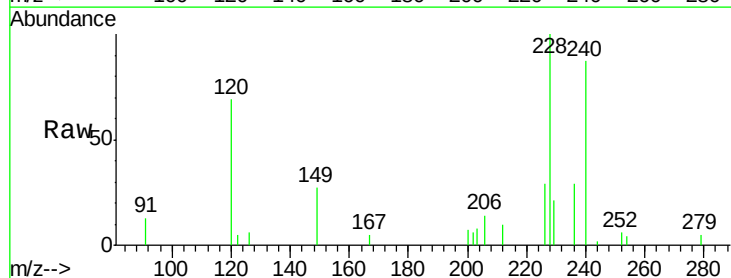
Tgt Ion:228 Resp: 3210

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

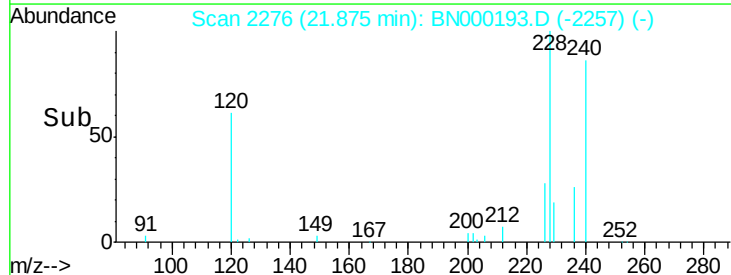
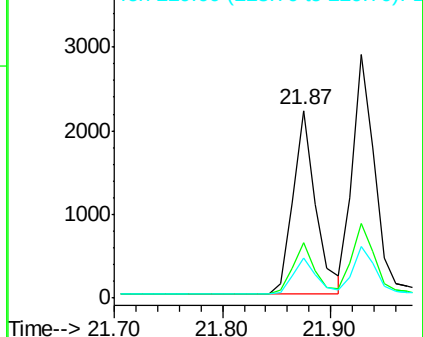
229 21.1 16.0 24.0

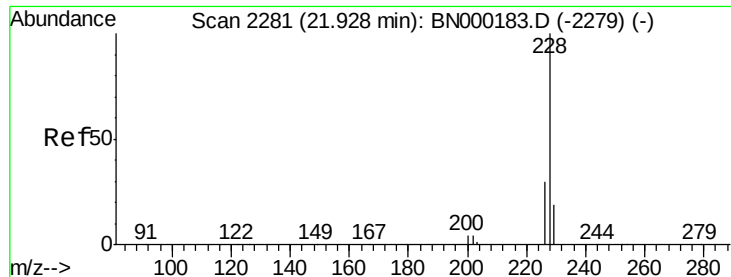


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.055 ng

RT: 21.93 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

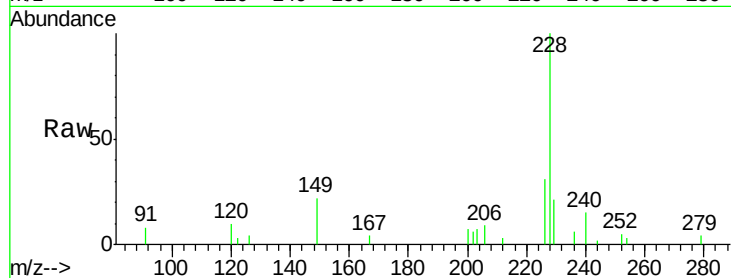
Tgt Ion:228 Resp: 4029

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

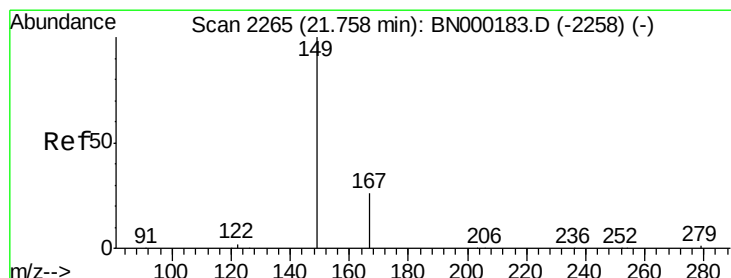
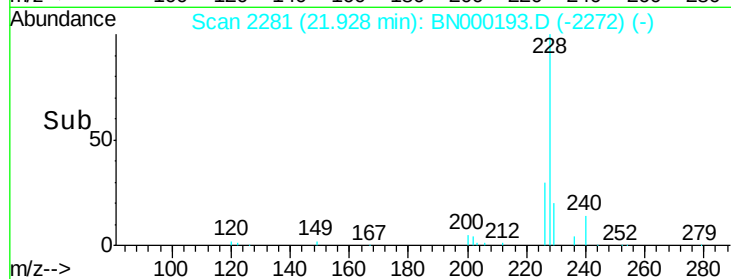
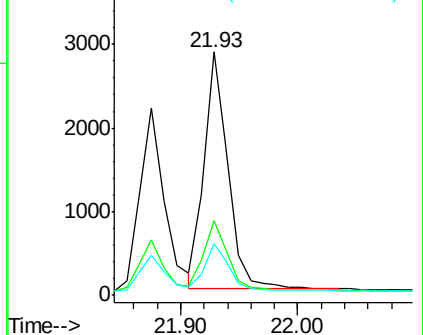
229 21.0 16.0 24.0



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: 0.067 ng

RT: 21.76 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

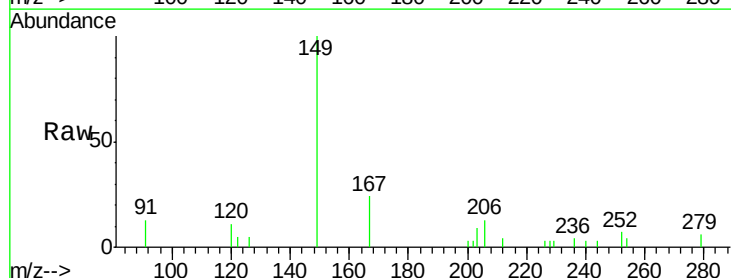
Tgt Ion:149 Resp: 1554

Ion Ratio Lower Upper

149 100

167 26.5 20.0 30.0

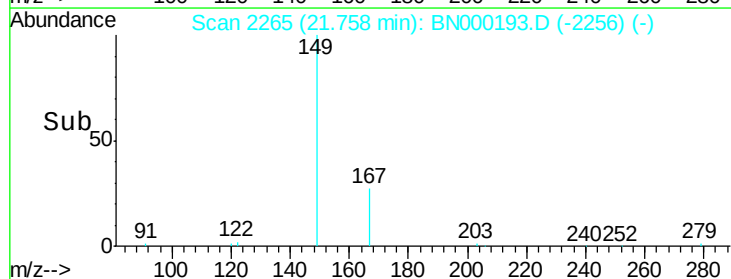
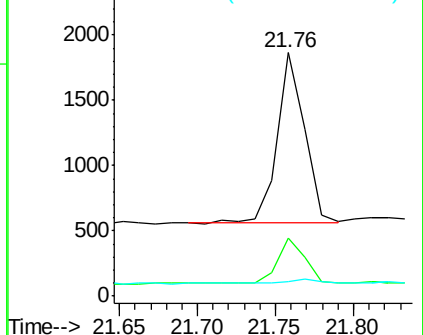
279 3.7 1.6 2.4#

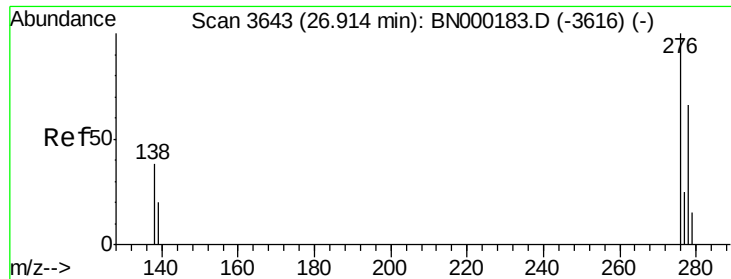


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.044 ng

RT: 26.91 min Scan# 3643

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

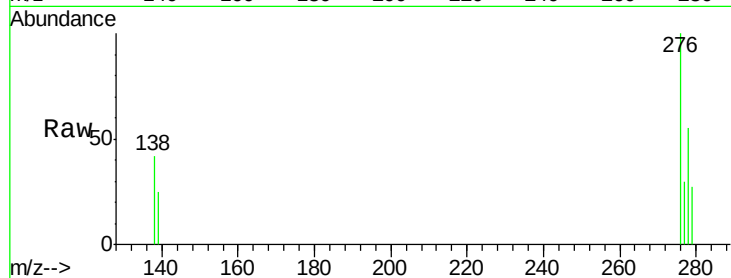
Tgt Ion:276 Resp: 2976

Ion Ratio Lower Upper

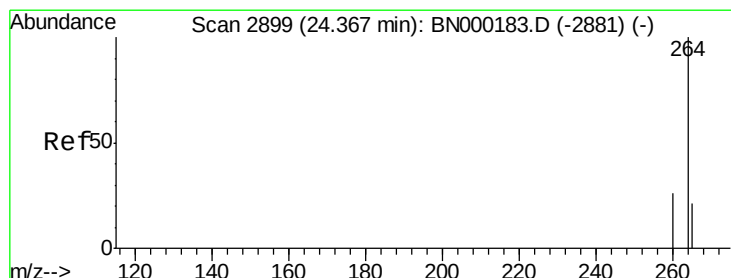
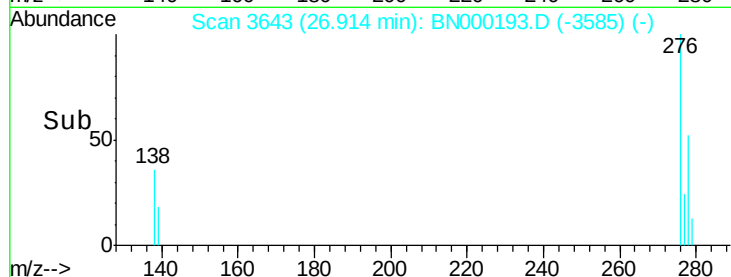
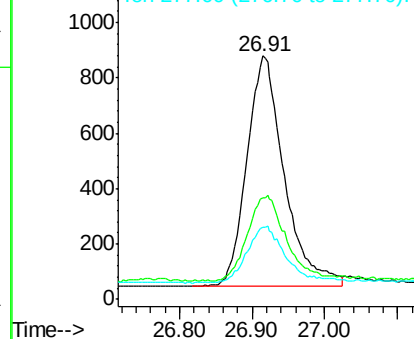
276 100

138 38.6 22.5 33.7#

277 24.3 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# 2899

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

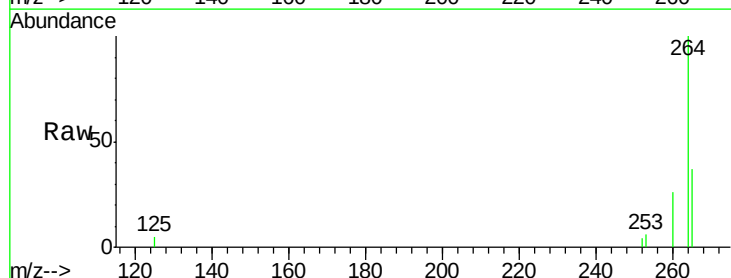
Tgt Ion:264 Resp: 15096

Ion Ratio Lower Upper

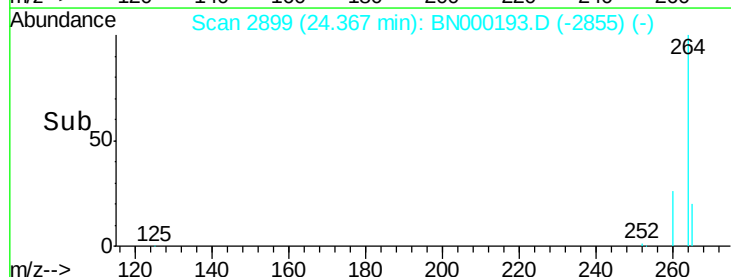
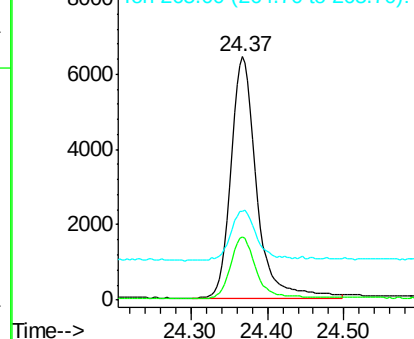
264 100

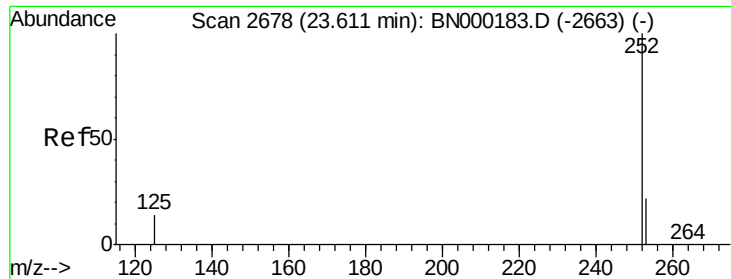
260 26.1 20.5 30.7

265 36.6 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: 0.053 ng

RT: 23.61 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

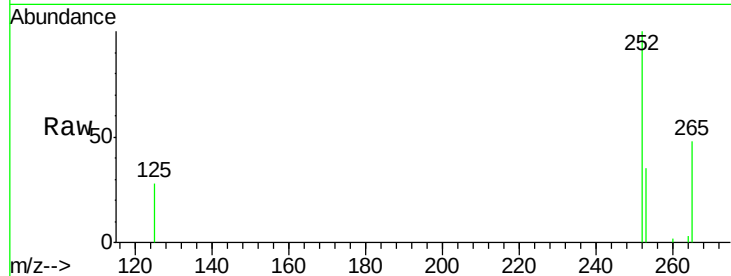
Tgt Ion:252 Resp: 3686

Ion Ratio Lower Upper

252 100

253 34.7 20.0 30.0#

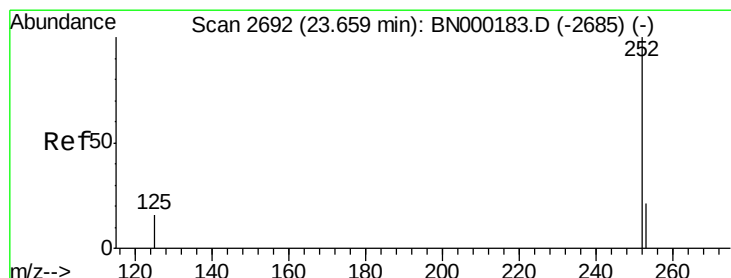
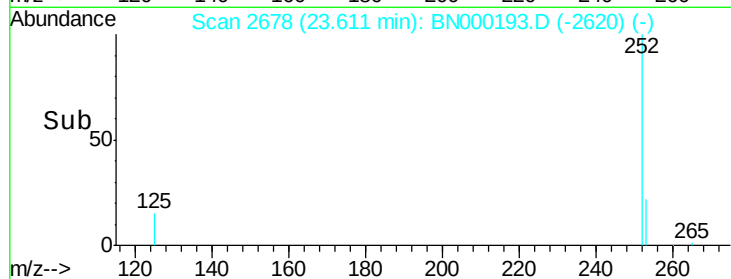
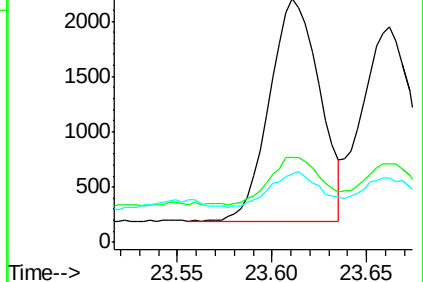
125 28.0 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.048 ng

RT: 23.66 min Scan# 2693

Delta R.T. 0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

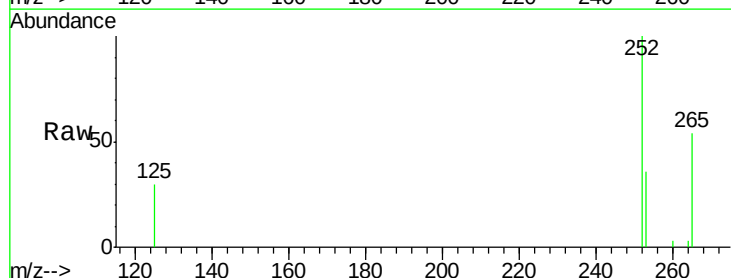
Tgt Ion:252 Resp: 3242

Ion Ratio Lower Upper

252 100

253 36.5 16.0 24.0#

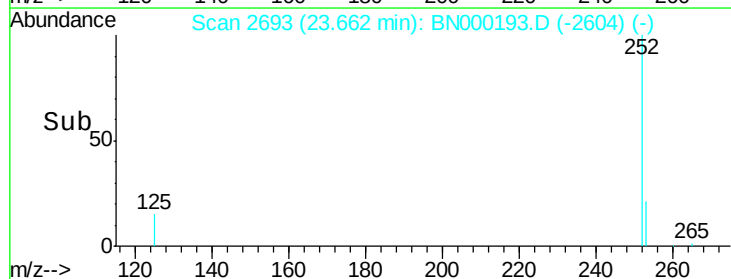
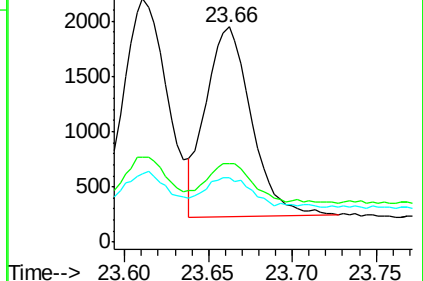
125 30.2 8.0 12.0#

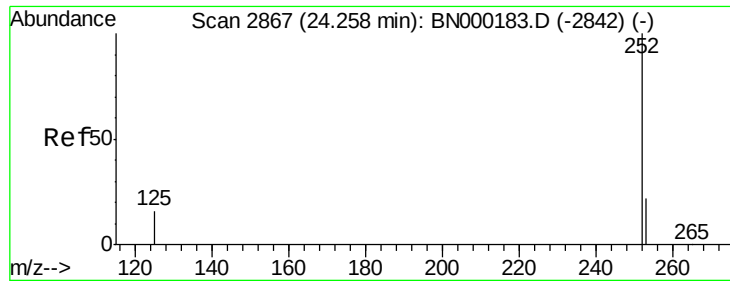


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.047 ng

RT: 24.26 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

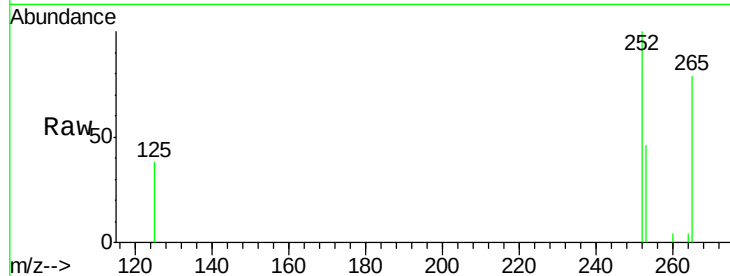
Tgt Ion:252 Resp: 2648

Ion Ratio Lower Upper

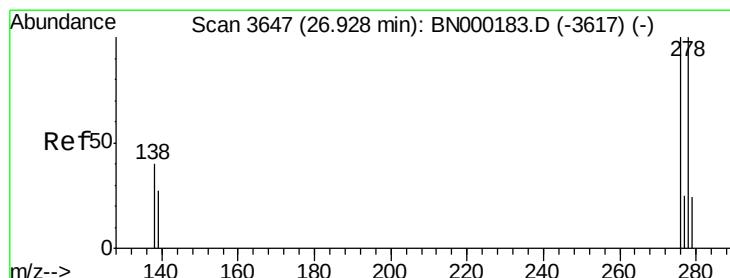
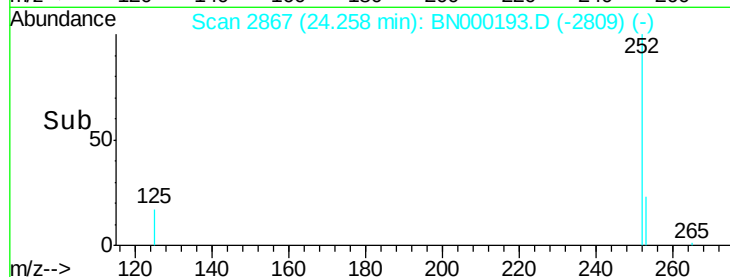
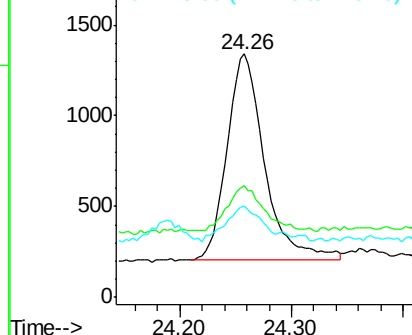
252 100

253 45.9 16.0 24.0#

125 37.6 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: 0.046 ng

RT: 26.93 min Scan# 3648

Delta R.T. 0.00 min

Lab File: BN000193.D

Acq: 27 Feb 2018 16:30

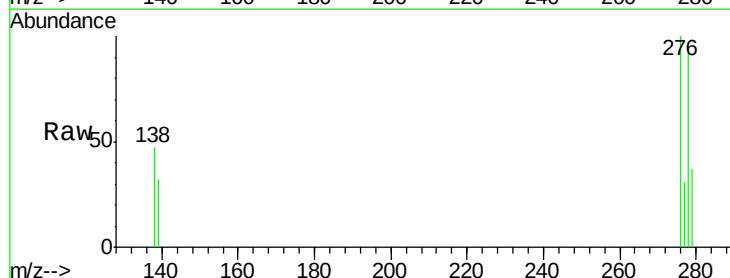
Tgt Ion:278 Resp: 2285

Ion Ratio Lower Upper

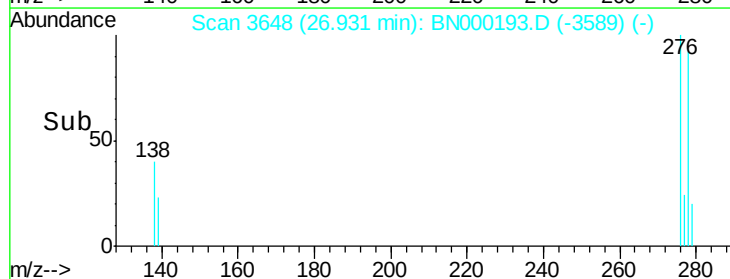
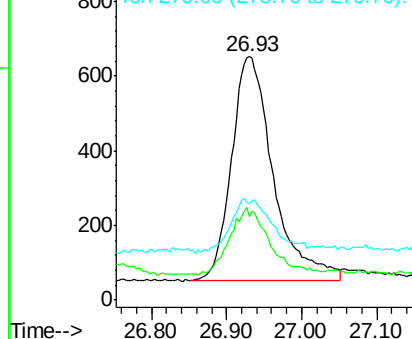
278 100

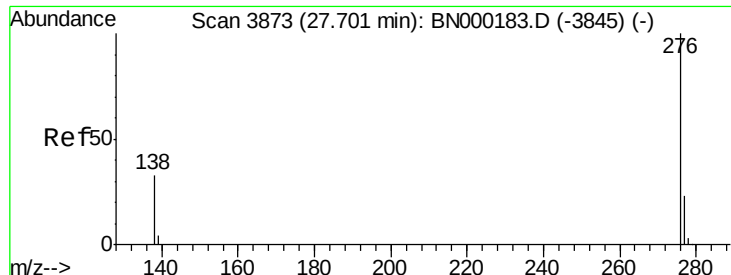
139 34.4 16.0 24.0#

279 39.7 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: 0.052 ng

RT: 27.70 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BN000193.D

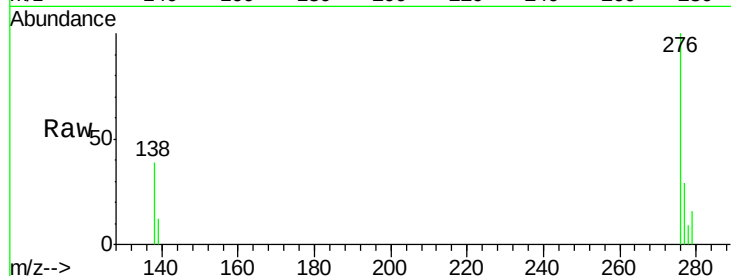
Acq: 27 Feb 2018 16:30

Instrument :

BNA_N

ClientSampleId :

MDL-S-01



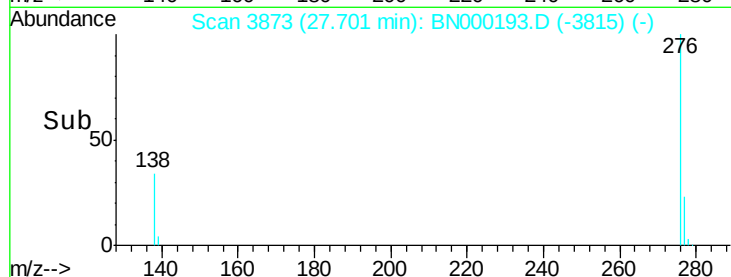
Tgt Ion: 276 Resp: 3056

Ion Ratio Lower Upper

276 100

277 29.1 16.0 24.0#

138 39.5 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

