

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101718\
 Data File : BN003183.D
 Acq On : 17 Oct 2018 17:07
 Operator : MJ/SJ
 Sample : PB113776BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB113776BSD

Quant Time: Oct 18 15:37:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 15:26:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	650	0.40	ng	0.03
7) Naphthalene-d8	10.48	136	3053	0.40	ng	0.05
13) Acenaphthene-d10	14.30	164	2081	0.40	ng	0.02
19) Phenanthrene-d10	17.07	188	5883	0.40	ng	0.02
27) Chrysene-d12	21.26	240	7922	0.40	ng	0.01
34) Perylene-d12	23.49	264	8751	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	175	0.12	ng	0.08
5) Phenol-d6	7.06	99	168	0.08	ng	0.12
8) Nitrobenzene-d5	8.98	82	302	0.15	ng	0.12
11) 2-Methylnaphthalene-d10	12.11	152	1533	0.30	ng	0.07
14) 2,4,6-Tribromophenol	15.87	330	274	0.21	ng	0.04
15) 2-Fluorobiphenyl	12.97	172	1781	0.22	ng	0.04
25) Fluoranthene-d10	19.10	212	4242	0.23	ng	0.02
29) Terphenyl-d14	19.70	244	3154	0.18	ng	0.02

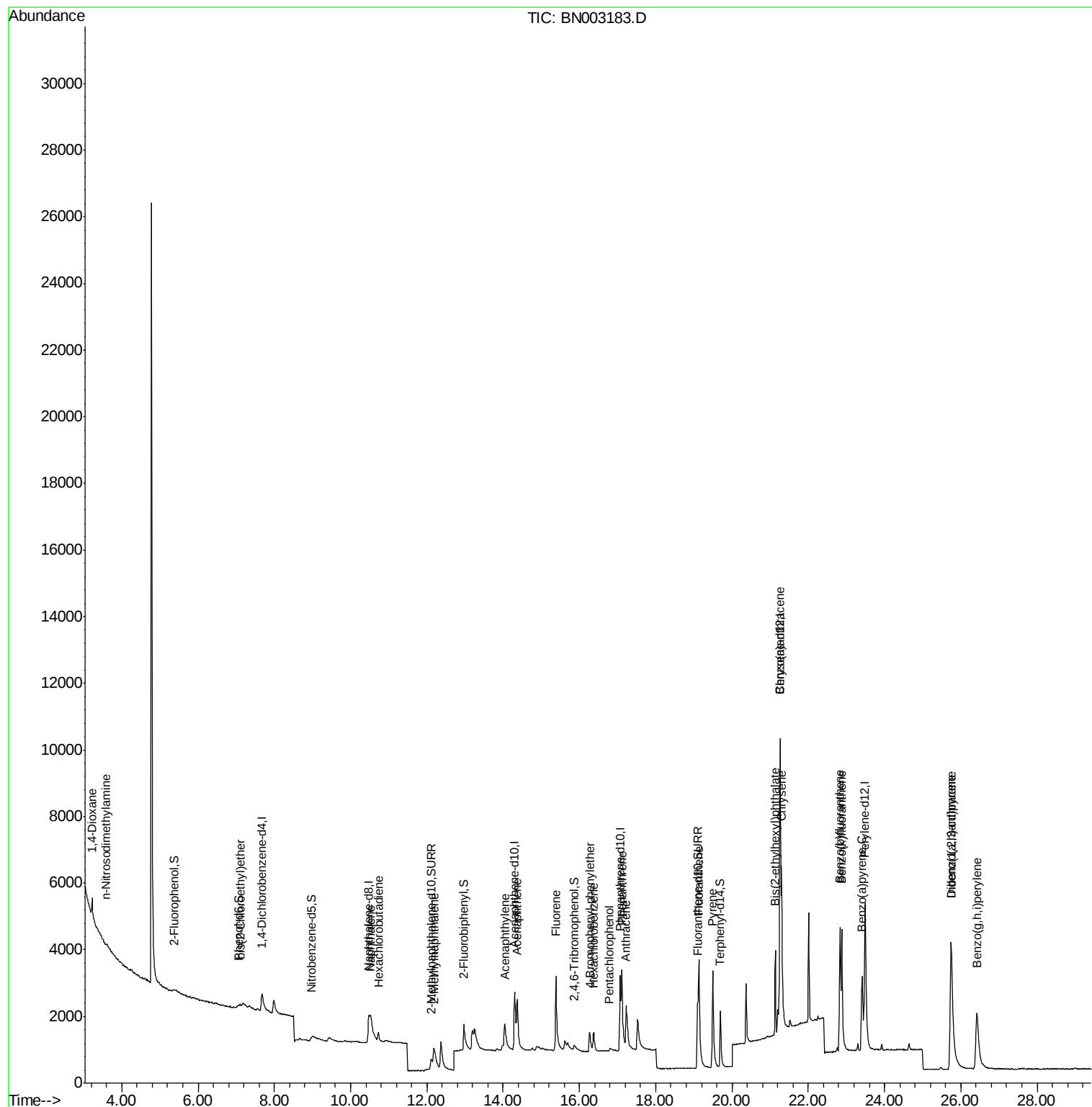
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	411	0.441	ng	# 26
3) n-Nitrosodimethylamine	3.59	42	29	0.205	ng	# 26
6) bis(2-Chloroethyl)ether	7.10	93	57	0.033	ng	# 27
9) Naphthalene	10.53	128	1845	0.243	ng	# 77
10) Hexachlorobutadiene	10.73	225	318	0.214	ng	# 98
12) 2-Methylnaphthalene	12.19	142	1206	0.232	ng	# 94
16) Acenaphthylene	14.04	152	2120	0.224	ng	98
17) Acenaphthene	14.37	154	1421	0.226	ng	98
18) Fluorene	15.39	166	1950	0.238	ng	98
20) 4-Bromophenyl-phenylether	16.27	248	562	0.171	ng	97
21) Hexachlorobenzene	16.38	284	705	0.194	ng	98
22) Pentachlorophenol	16.79	266	131	0.241	ng	# 79
23) Phenanthrene	17.11	178	3494	0.227	ng	100
24) Anthracene	17.23	178	3049	0.216	ng	100
26) Fluoranthene	19.13	202	4861	0.246	ng	99
28) Pyrene	19.49	202	4995	0.225	ng	99
30) Benzo(a)anthracene	21.26	228	4935	0.232	ng	97
31) Chrysene	21.30	228	5800	0.238	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	2718	0.216	ng	99
33) Indeno(1,2,3-cd)pyrene	25.75	276	7101	0.247	ng	98
35) Benzo(b)fluoranthene	22.83	252	5545	0.235	ng	96
36) Benzo(k)fluoranthene	22.88	252	7099	0.255	ng	# 95
37) Benzo(a)pyrene	23.41	252	6104	0.251	ng	# 92
38) Dibenzo(a,h)anthracene	25.75	278	5974	0.240	ng	# 96
39) Benzo(g,h,i)perylene	26.42	276	6294	0.250	ng	96

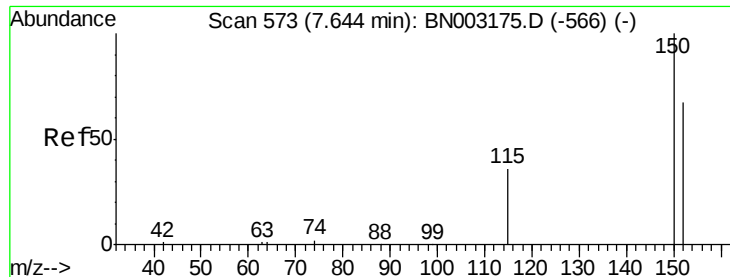
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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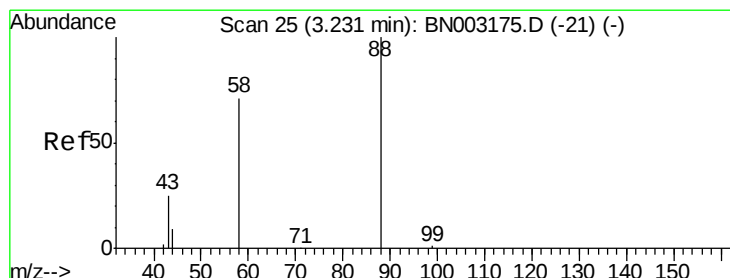
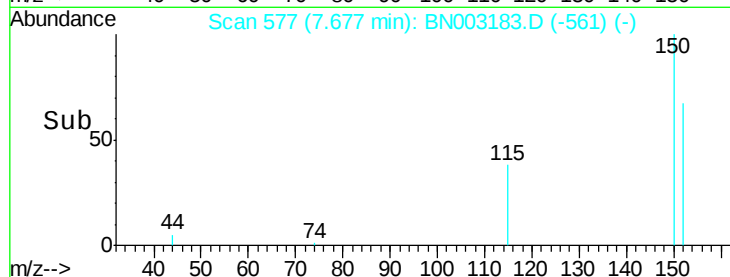
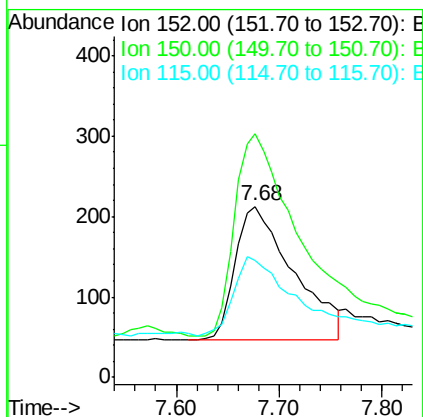
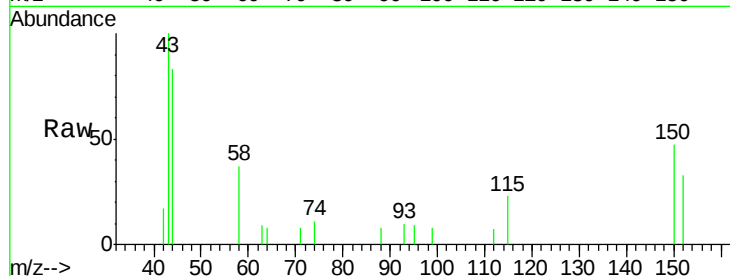


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 577
Delta R.T. 0.03 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

Instrument :
BNA_N
ClientSampleId :
PB113776BSD

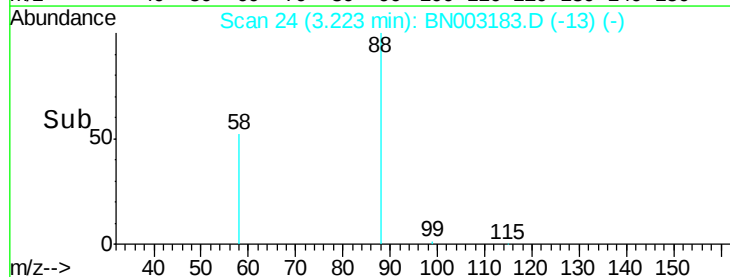
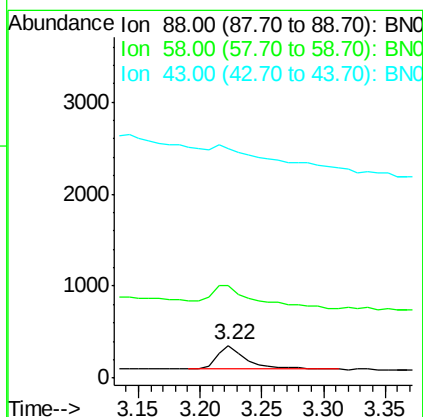
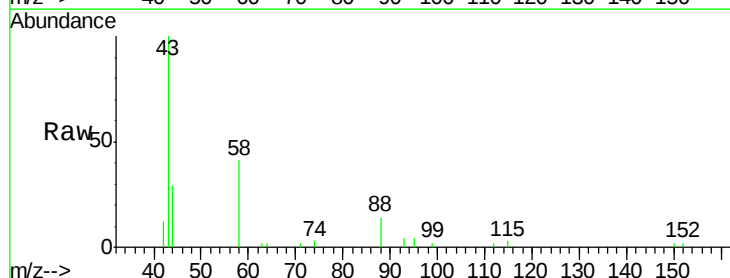
Tgt Ion: 152 Resp: 650
Ion Ratio Lower Upper
152 100
150 142.3 126.2 189.4
115 68.5 49.8 74.6

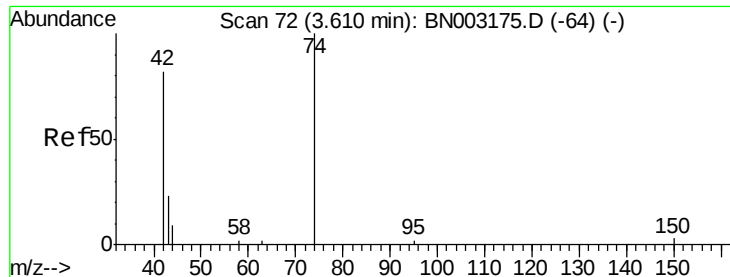


#2

1,4-Dioxane
Concen: 0.441 ng
RT: 3.22 min Scan# 24
Delta R.T. -0.01 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

Tgt Ion: 88 Resp: 411
Ion Ratio Lower Upper
88 100
58 155.7 66.7 100.1#
43 0.0 24.6 37.0#





#3

n-Nitrosodimethylamine

Concen: 0.205 ng

RT: 3.59 min Scan# 70

Delta R.T. -0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

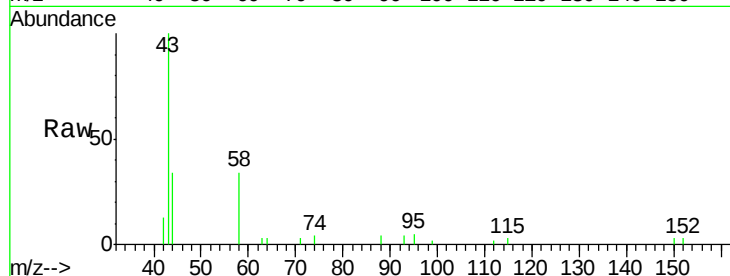
Tgt Ion: 42 Resp: 29

Ion Ratio Lower Upper

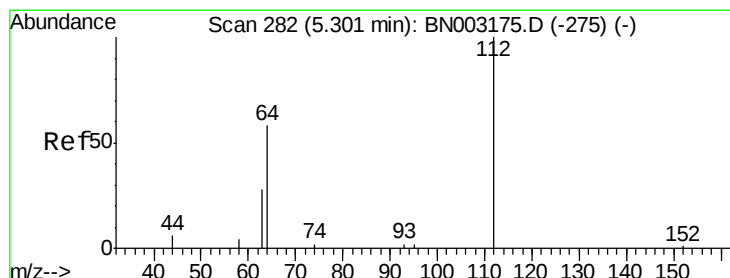
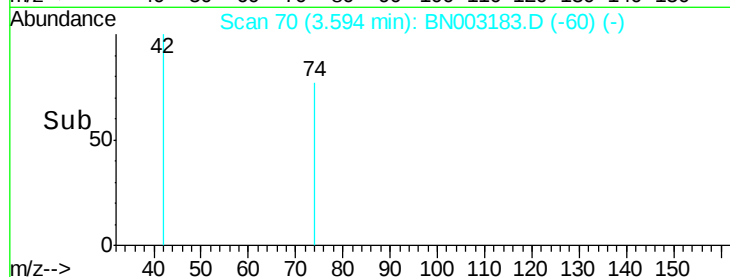
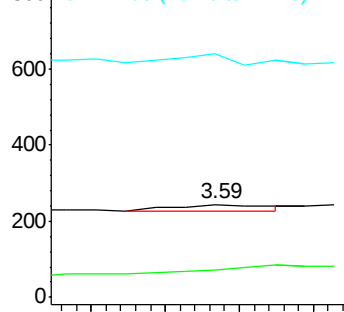
42 100

74 213.8 102.9 154.3#

44 134.5 0.0 0.0#



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: 0.122 ng

RT: 5.38 min Scan# 292

Delta R.T. 0.08 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

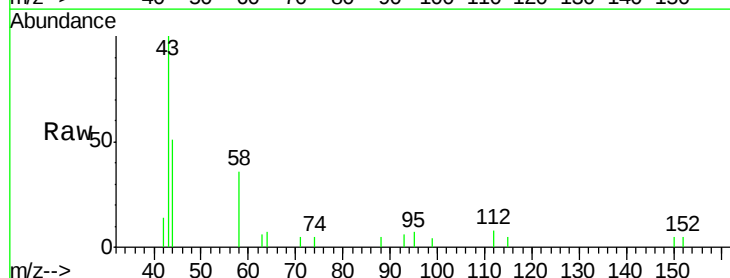
Tgt Ion: 112 Resp: 175

Ion Ratio Lower Upper

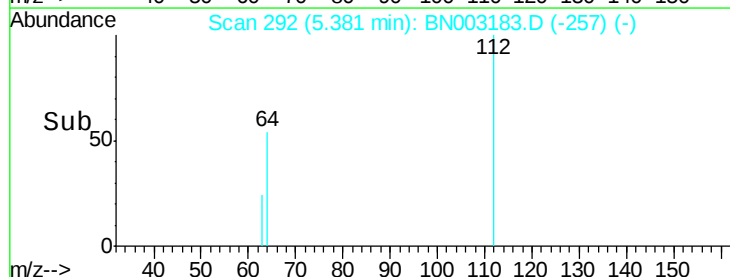
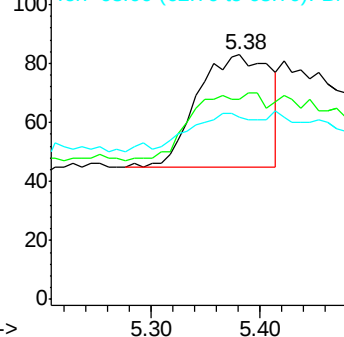
112 100

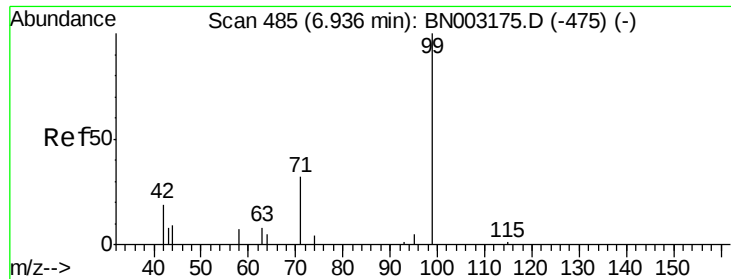
64 37.1 49.0 73.4#

63 24.0 25.9 38.9#



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





#5

Phenol-d6

Concen: 0.082 ng

RT: 7.06 min Scan# 500

Delta R.T. 0.12 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

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PB113776BSD

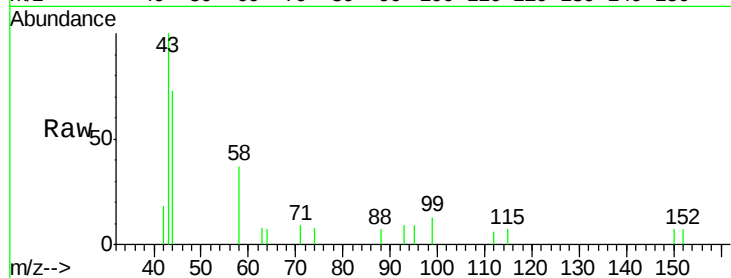
Tgt Ion: 99 Resp: 168

Ion Ratio Lower Upper

99 100

42 32.1 15.4 23.2#

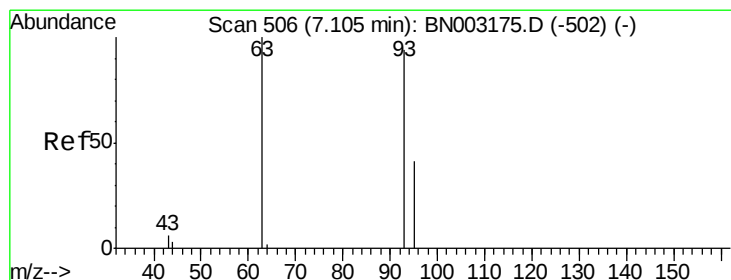
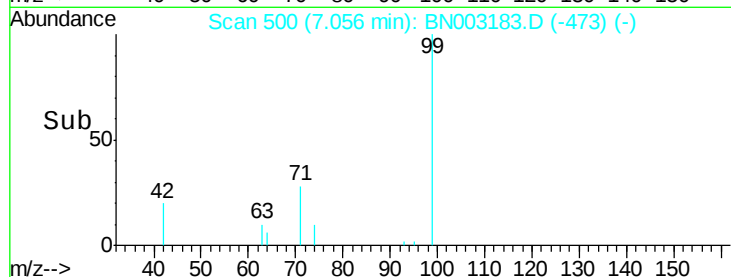
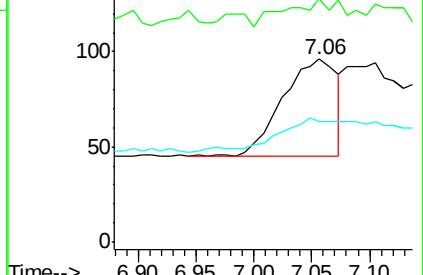
71 25.6 26.0 39.0#



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: 0.033 ng

RT: 7.10 min Scan# 506

Delta R.T. 0.00 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

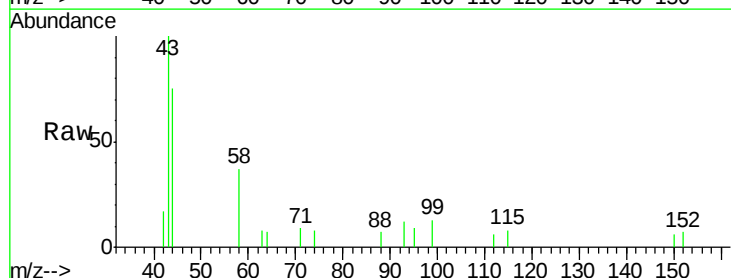
Tgt Ion: 93 Resp: 57

Ion Ratio Lower Upper

93 100

63 0.0 54.2 81.4#

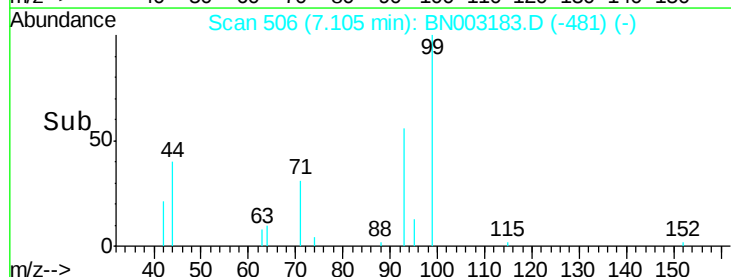
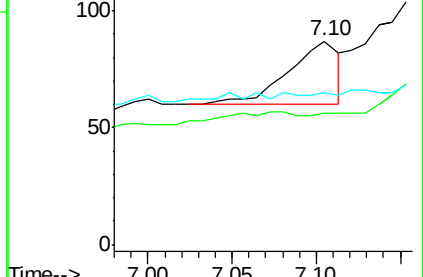
95 3.5 24.9 37.3#

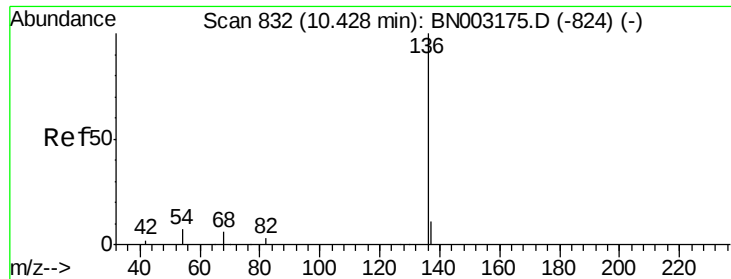


Abundance Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. 0.05 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

Tgt Ion:136 Resp: 3053

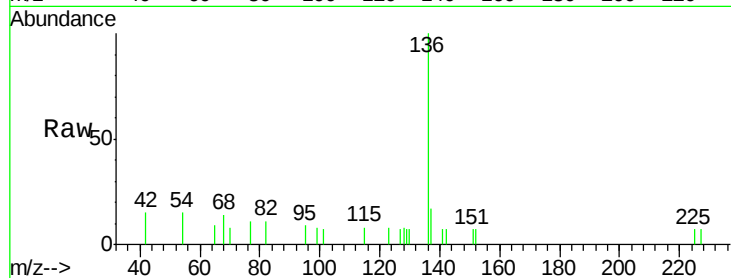
Ion Ratio Lower Upper

136 100

137 17.5 9.4 14.0#

54 15.2 7.4 11.0#

68 14.0 5.8 8.6#



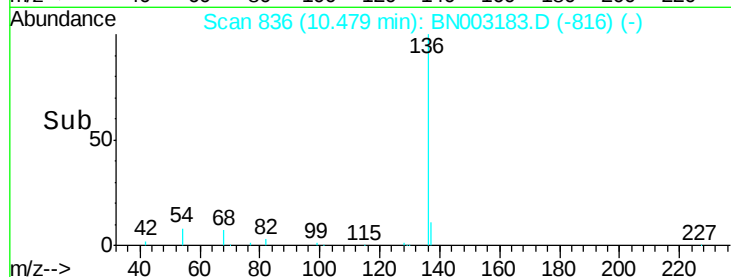
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

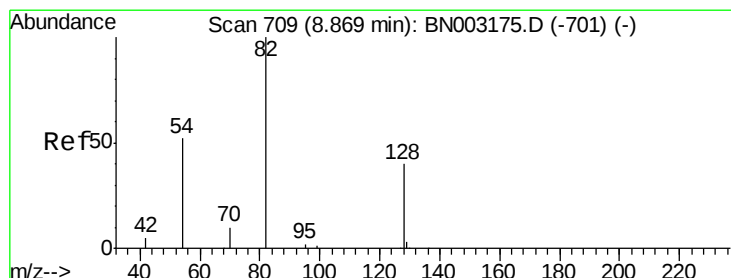
Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.154 ng

RT: 8.98 min Scan# 718

Delta R.T. 0.12 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

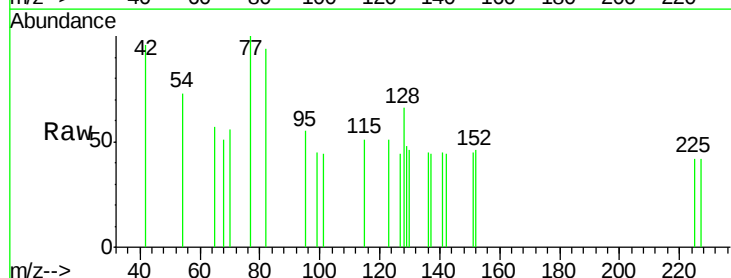
Tgt Ion: 82 Resp: 302

Ion Ratio Lower Upper

82 100

128 70.4 38.2 57.4#

54 77.6 44.1 66.1#

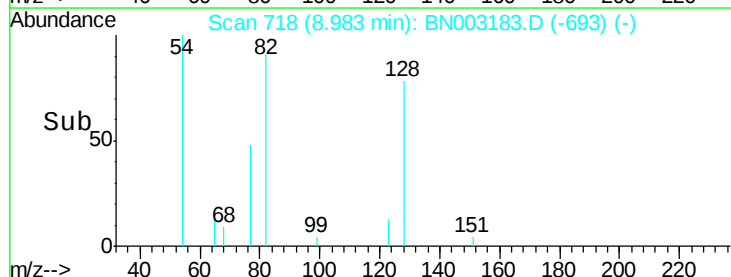


Abundance Ion 82.00 (81.70 to 82.70): BNC

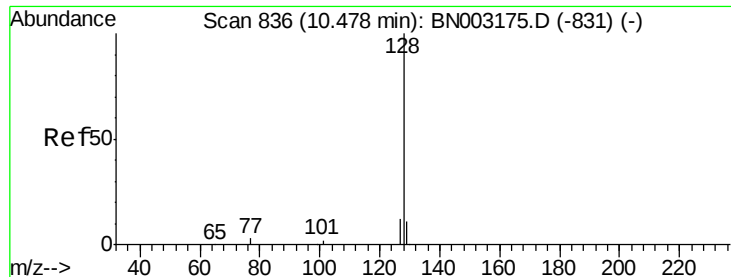
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

Time-->



Time-->



#9

Naphthalene

Concen: 0.243 ng

RT: 10.53 min Scan# 840

Delta R.T. 0.05 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

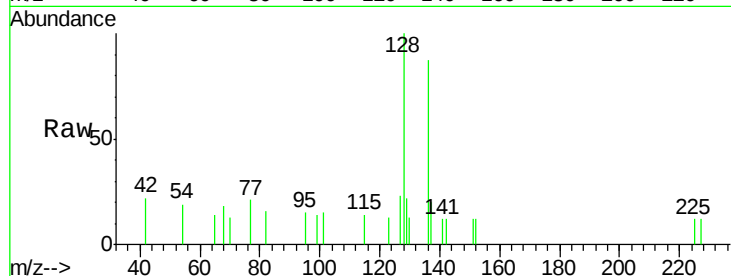
Tgt Ion:128 Resp: 1845

Ion Ratio Lower Upper

128 100

129 22.0 9.8 14.6#

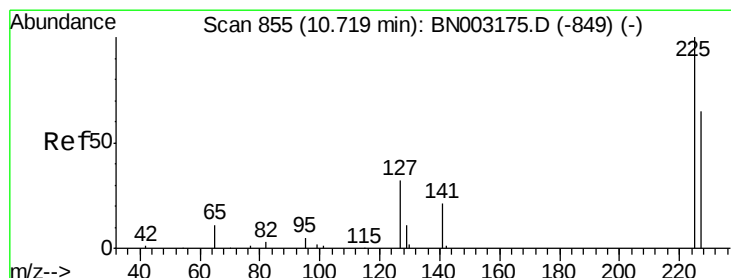
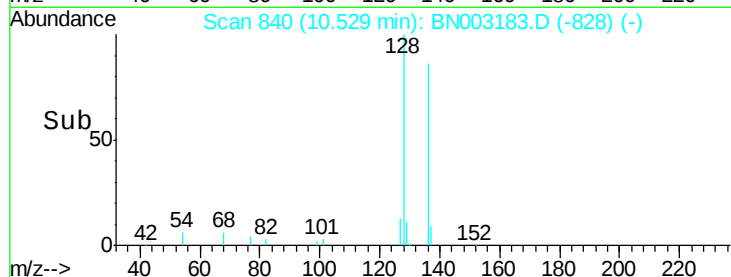
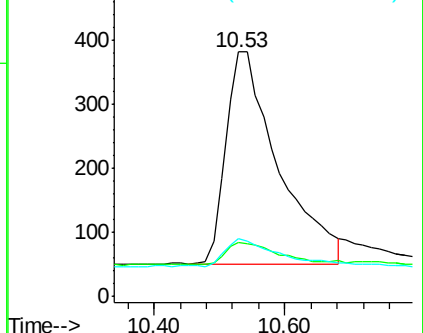
127 23.3 11.4 17.2#



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: 0.214 ng

RT: 10.73 min Scan# 856

Delta R.T. 0.01 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

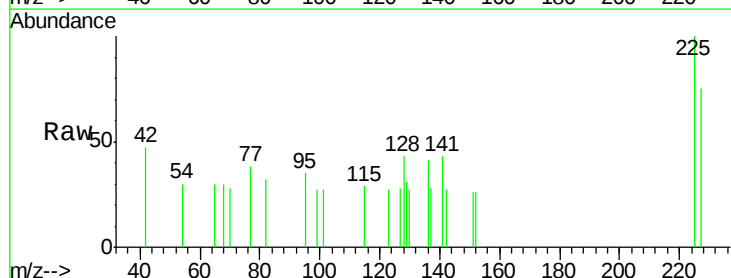
Tgt Ion:225 Resp: 318

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

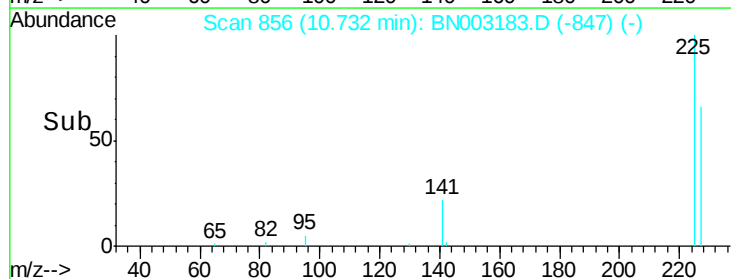
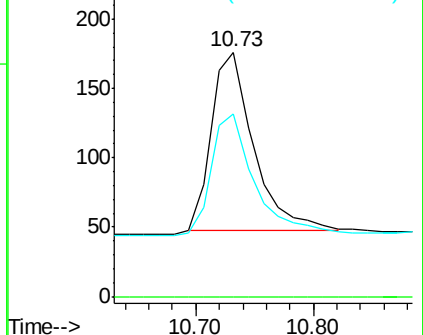
227 66.0 51.8 77.8

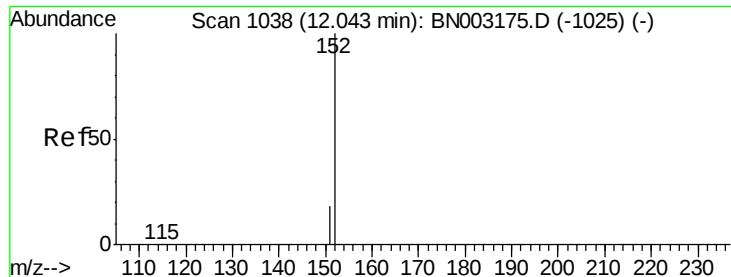


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

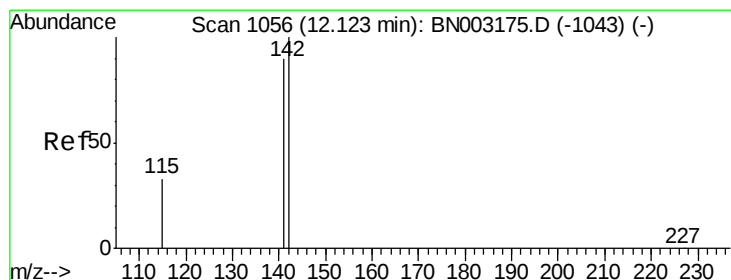
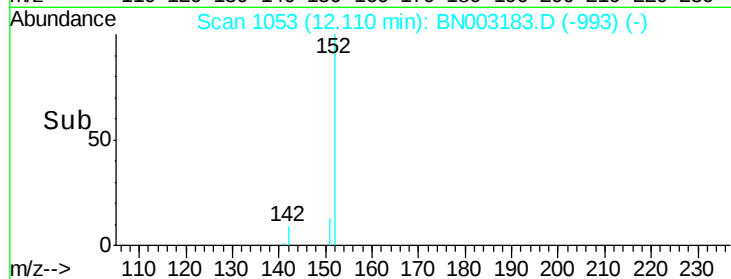
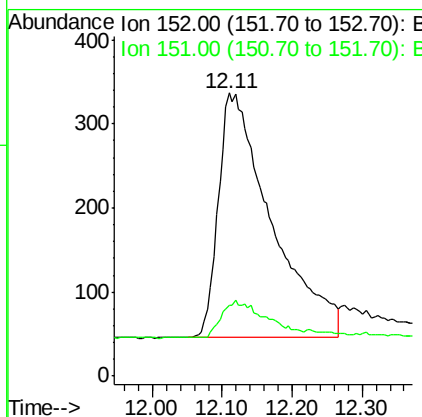
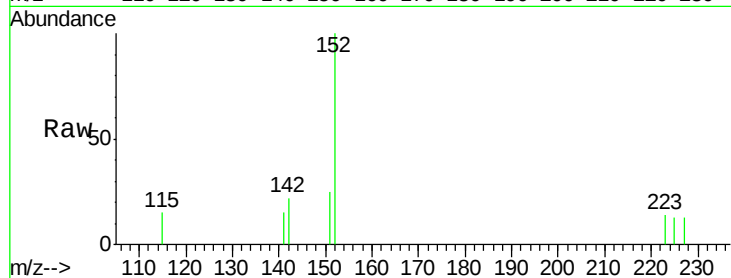




#11
2-Methylnaphthalene-d10
Concen: 0.297 ng
RT: 12.11 min Scan# 1053
Delta R.T. 0.07 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

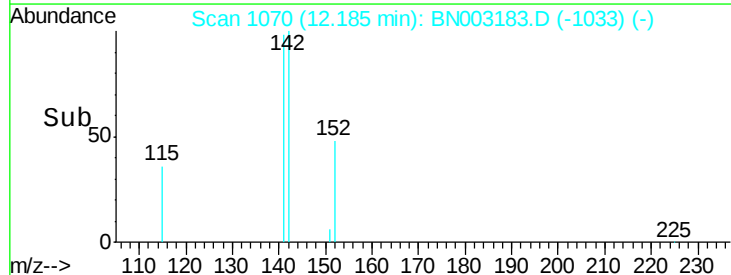
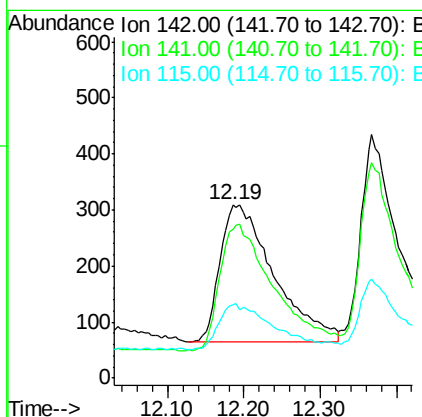
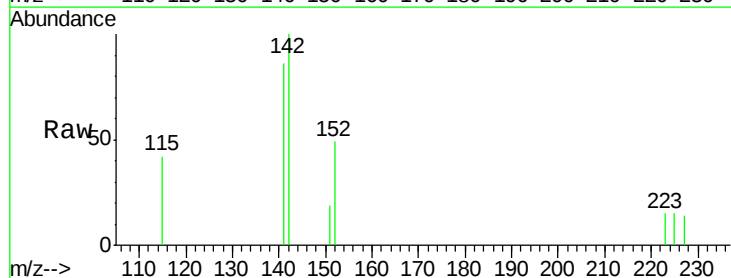
Instrument :
BNA_N
ClientSampleId :
PB113776BSD

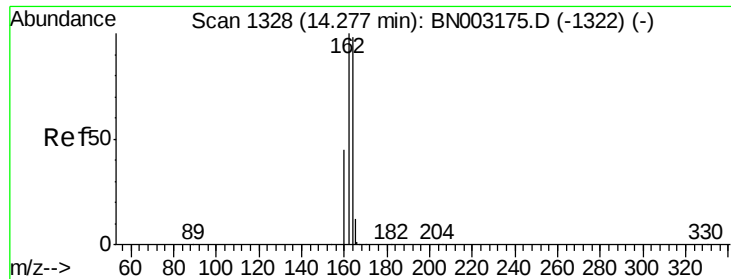
Tgt Ion:152 Resp: 1533
Ion Ratio Lower Upper
152 100
151 12.7 15.0 22.4#



#12
2-Methylnaphthalene
Concen: 0.232 ng
RT: 12.19 min Scan# 1070
Delta R.T. 0.06 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

Tgt Ion:142 Resp: 1206
Ion Ratio Lower Upper
142 100
141 85.8 71.5 107.3
115 42.3 28.1 42.1#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

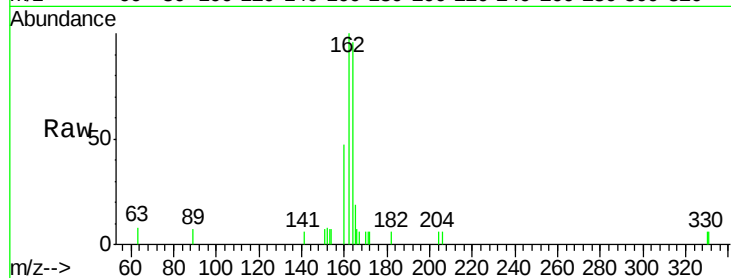
Tgt Ion:164 Resp: 2081

Ion Ratio Lower Upper

164 100

162 104.3 81.7 122.5

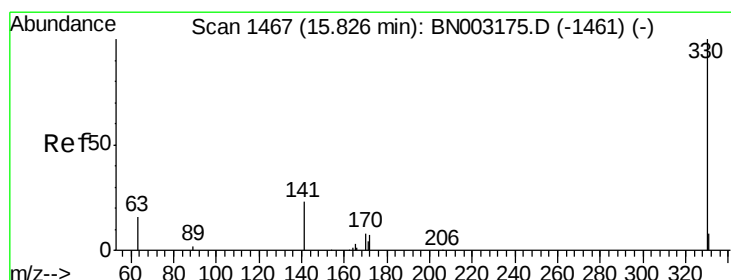
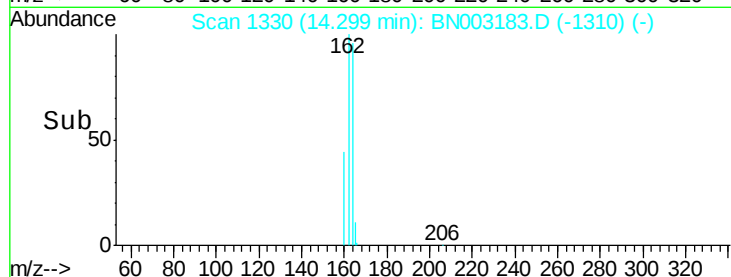
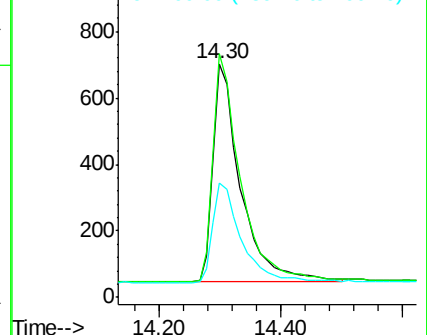
160 48.9 36.3 54.5



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: 0.207 ng

RT: 15.87 min Scan# 1471

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

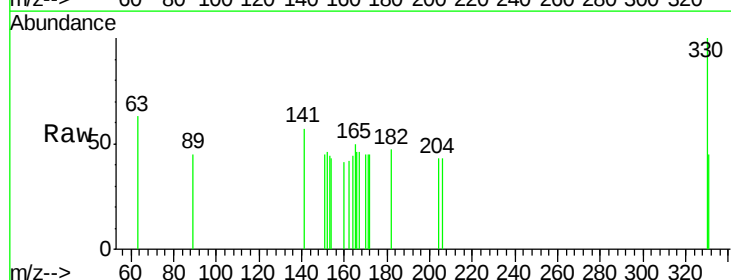
Tgt Ion:330 Resp: 274

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

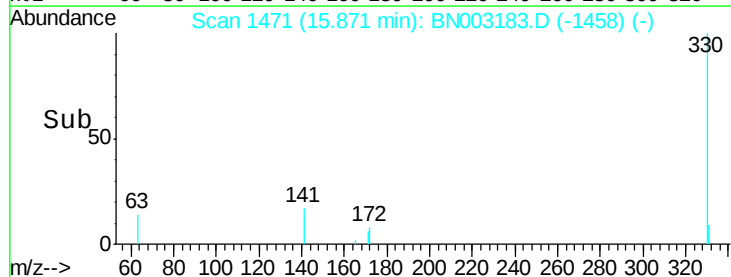
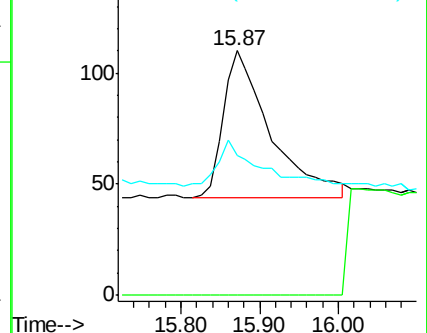
141 27.7 22.6 33.8

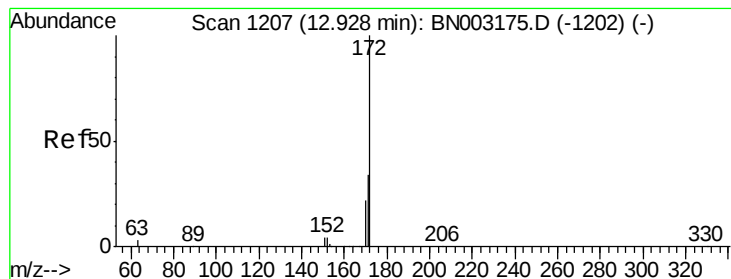


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.217 ng

RT: 12.97 min Scan# 1211

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

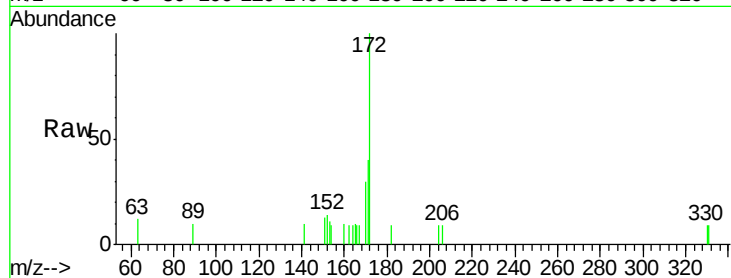
Tgt Ion:172 Resp: 1781

Ion Ratio Lower Upper

172 100

171 40.1 28.6 43.0

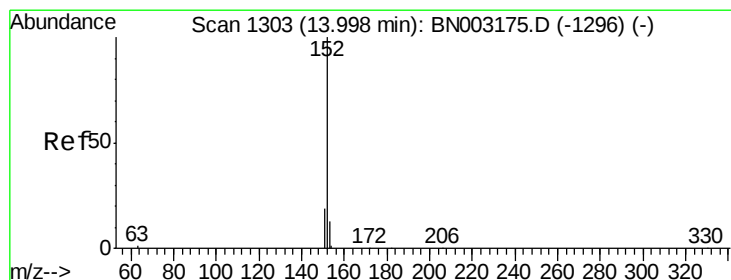
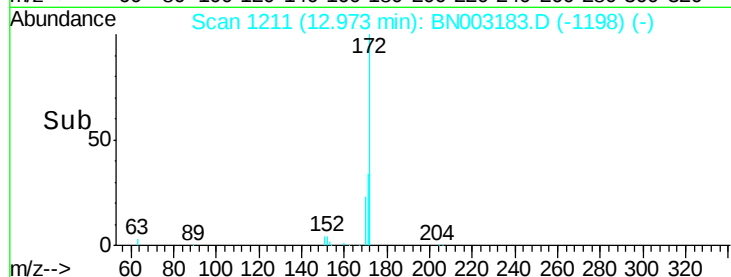
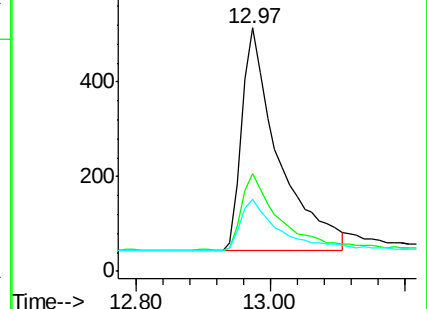
170 29.8 18.6 27.8#



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: 0.224 ng

RT: 14.04 min Scan# 1307

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

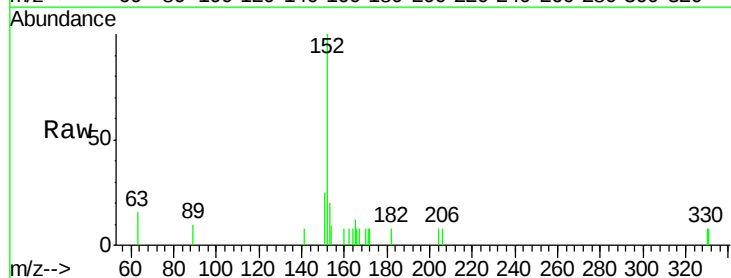
Tgt Ion:152 Resp: 2120

Ion Ratio Lower Upper

152 100

151 18.3 15.7 23.5

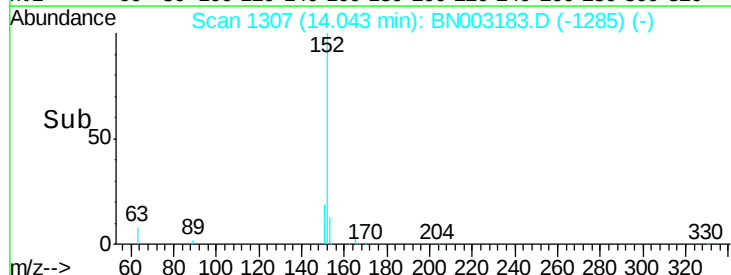
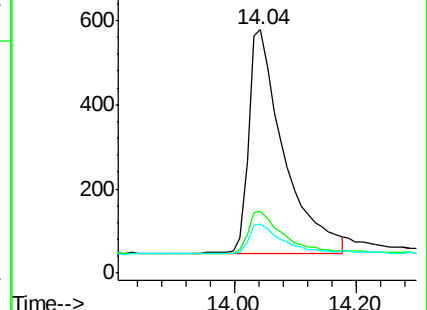
153 13.1 10.6 16.0

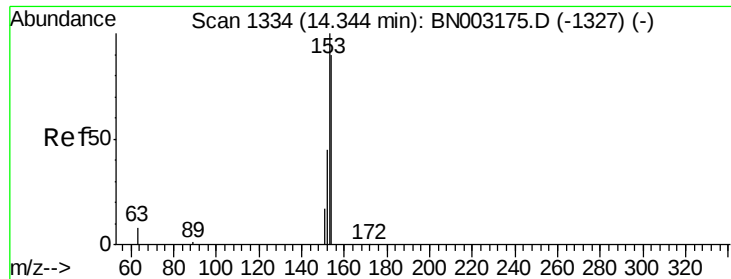


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.226 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

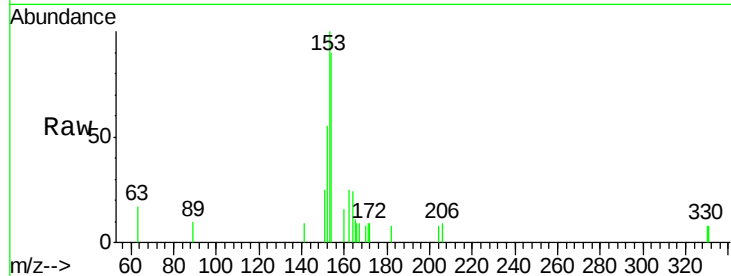
Tgt Ion:154 Resp: 1421

Ion Ratio Lower Upper

154 100

153 112.9 91.0 136.4

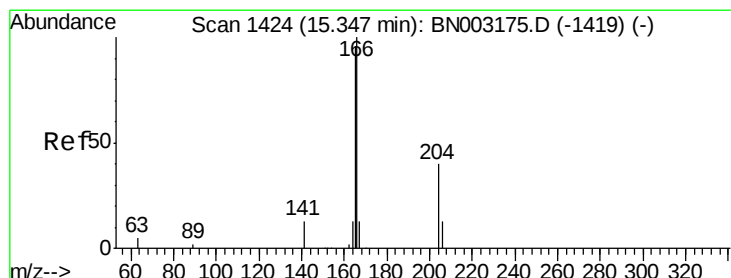
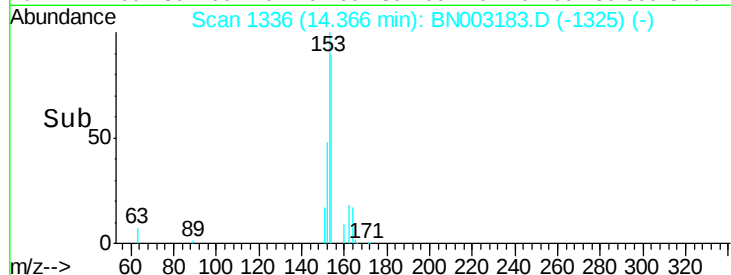
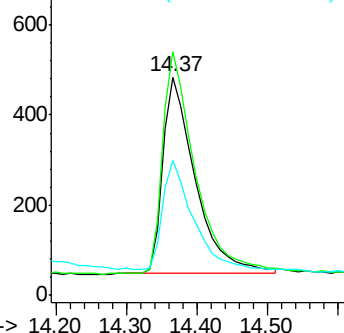
152 51.5 43.8 65.6



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: 0.238 ng

RT: 15.39 min Scan# 1428

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

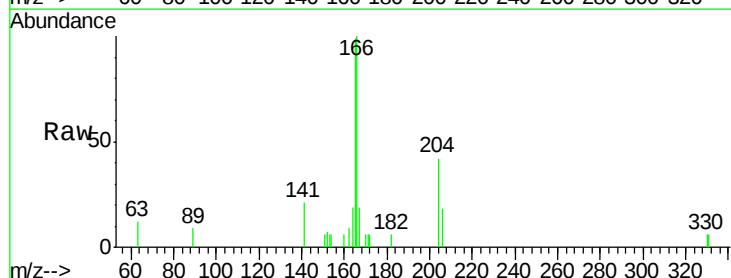
Tgt Ion:166 Resp: 1950

Ion Ratio Lower Upper

166 100

165 100.4 78.2 117.2

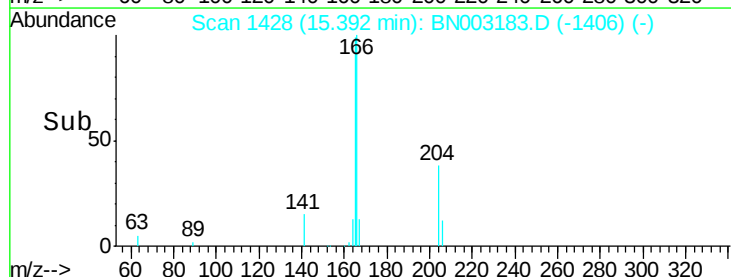
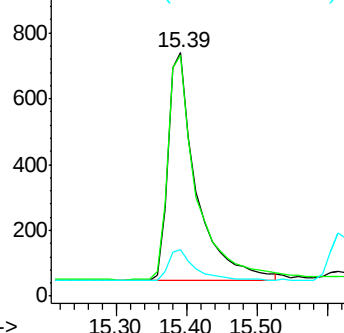
167 13.5 10.7 16.1

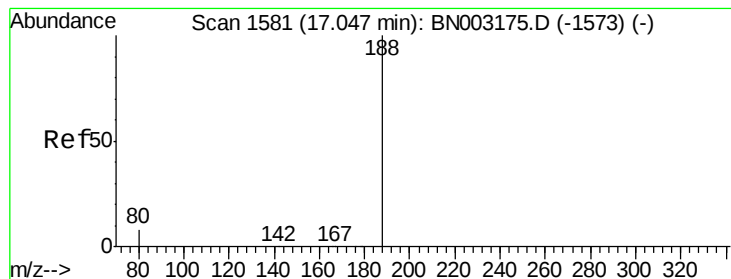


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 1583

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

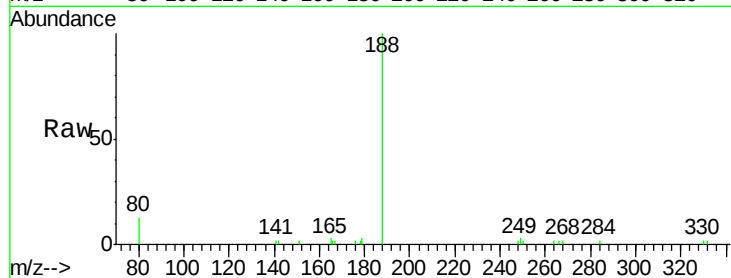
Tgt Ion:188 Resp: 5883

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

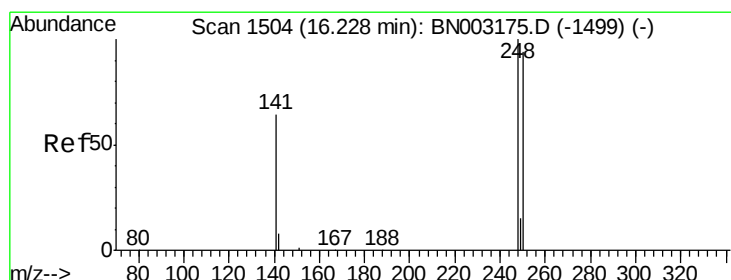
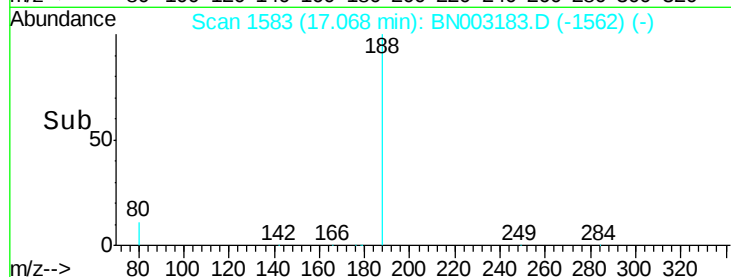
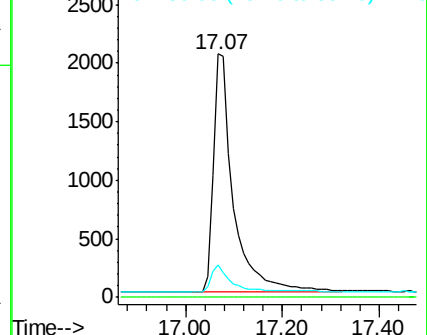
80 13.2 6.7 10.1#



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: 0.171 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

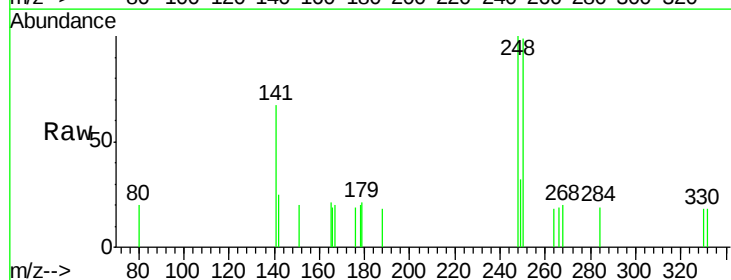
Tgt Ion:248 Resp: 562

Ion Ratio Lower Upper

248 100

250 99.2 78.9 118.3

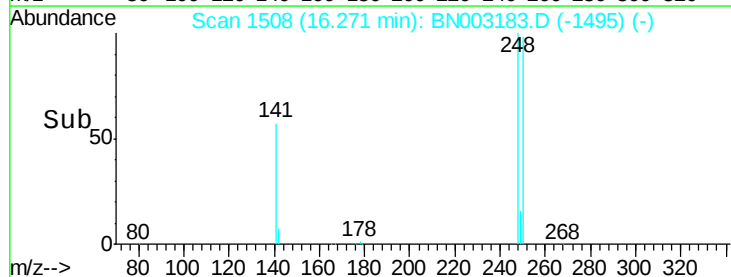
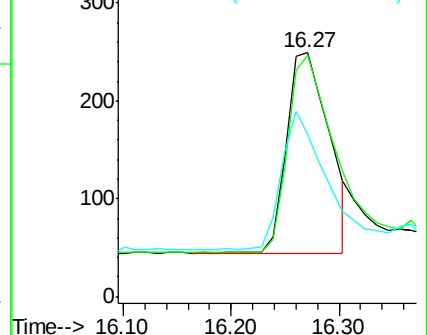
141 66.7 48.5 72.7

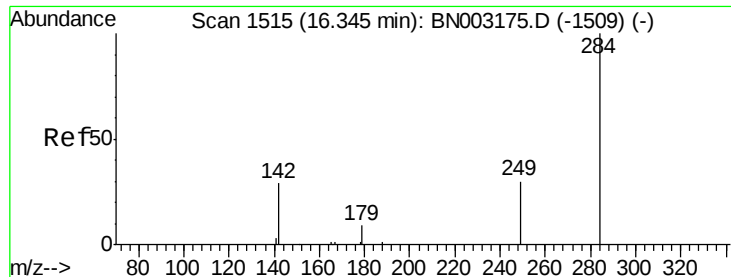


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.194 ng

RT: 16.38 min Scan# 1518

Delta R.T. 0.03 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

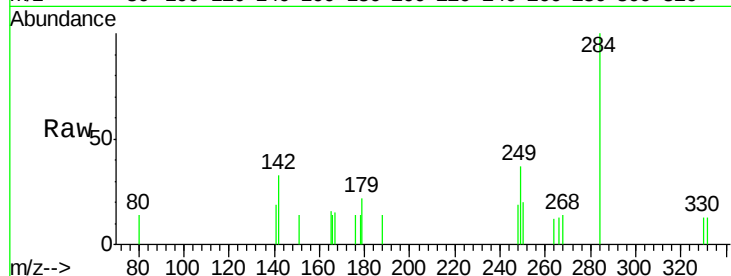
Tgt Ion:284 Resp: 705

Ion Ratio Lower Upper

284 100

142 29.5 24.6 37.0

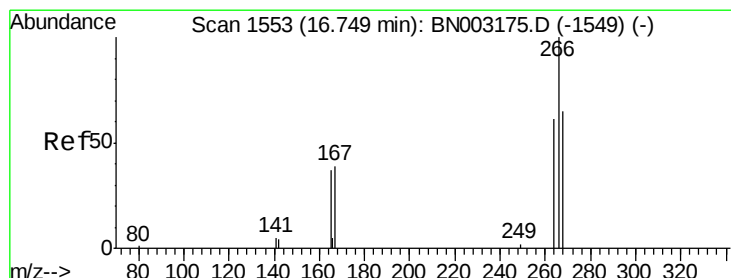
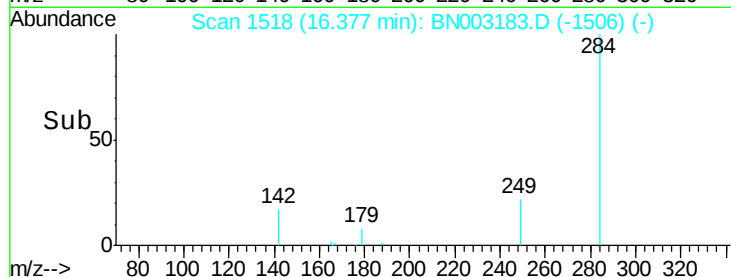
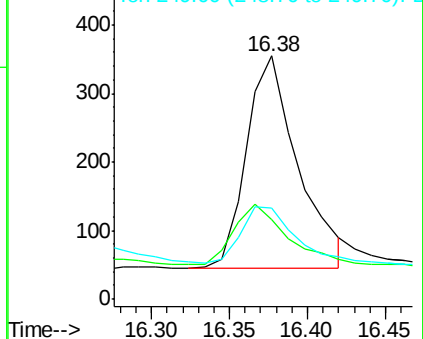
249 27.1 22.3 33.5



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: 0.241 ng

RT: 16.79 min Scan# 1557

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

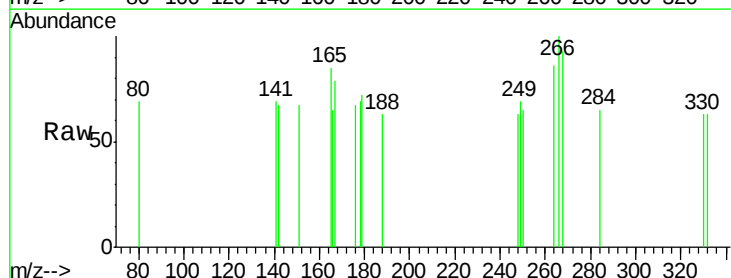
Tgt Ion:266 Resp: 131

Ion Ratio Lower Upper

266 100

264 86.1 55.0 82.4#

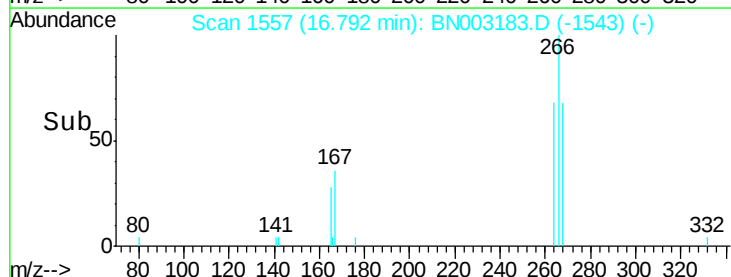
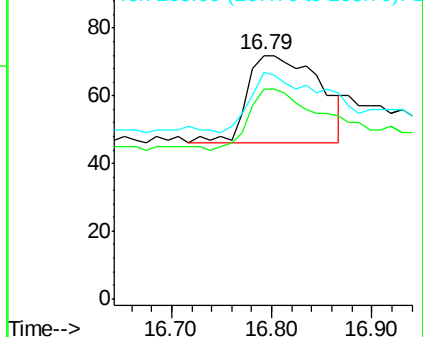
268 93.1 60.6 91.0#

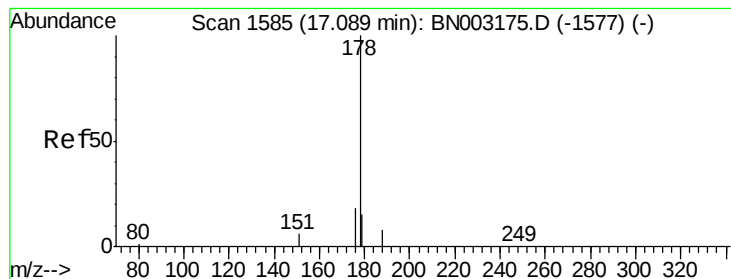


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.227 ng

RT: 17.11 min Scan# 1587

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

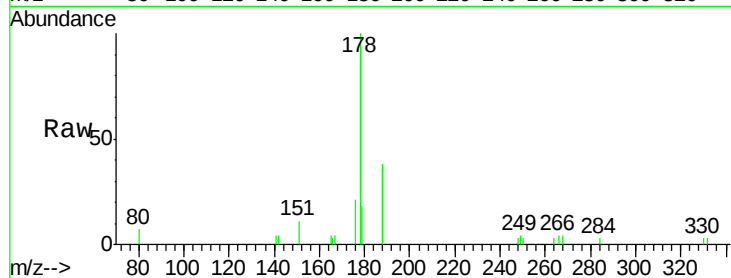
Tgt Ion:178 Resp: 3494

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

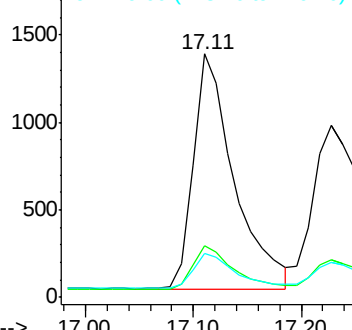
179 15.4 12.3 18.5



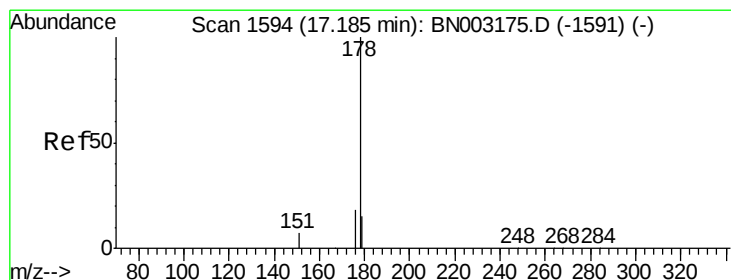
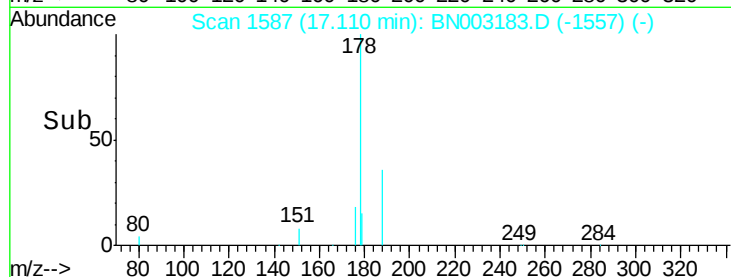
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.216 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

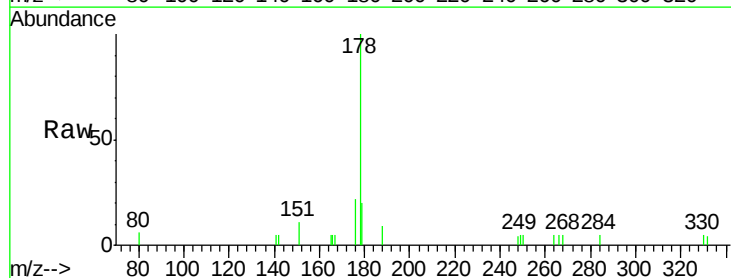
Tgt Ion:178 Resp: 3049

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

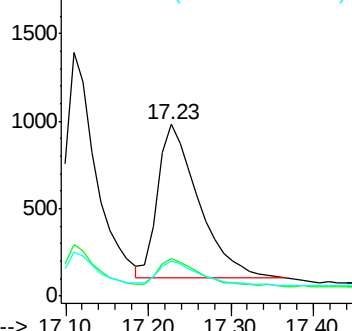
179 15.4 12.3 18.5



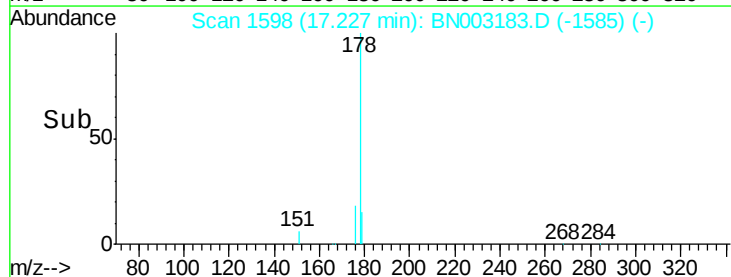
Abundance Ion 178.00 (177.70 to 178.70): E

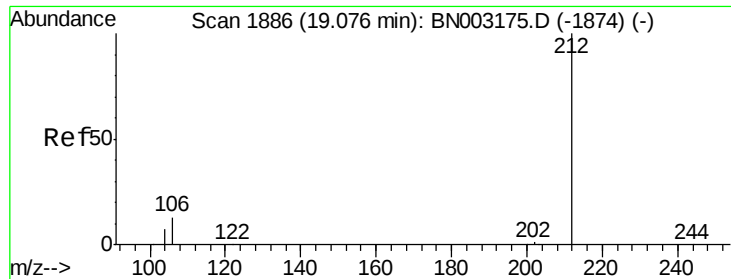
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

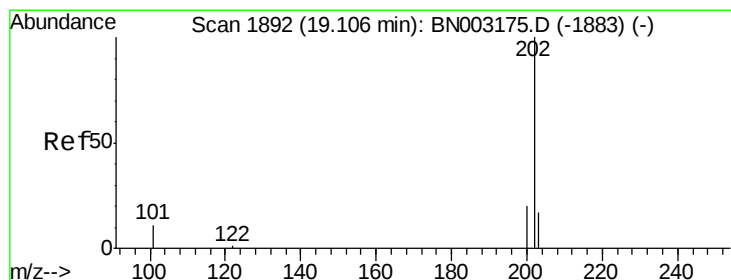
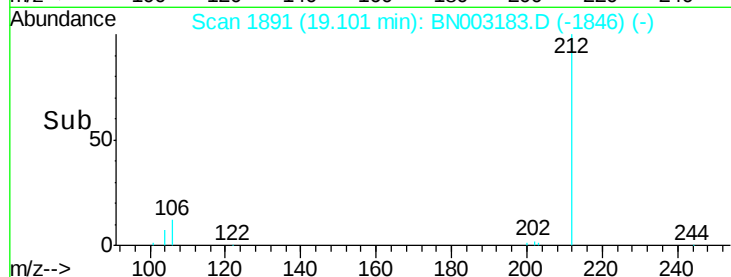
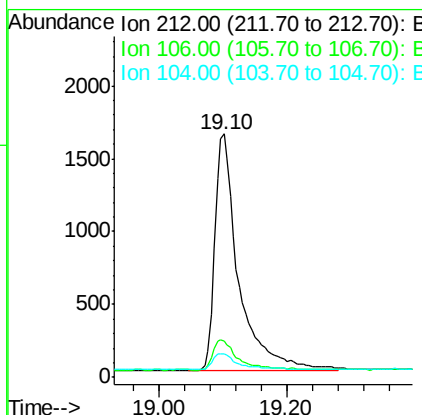
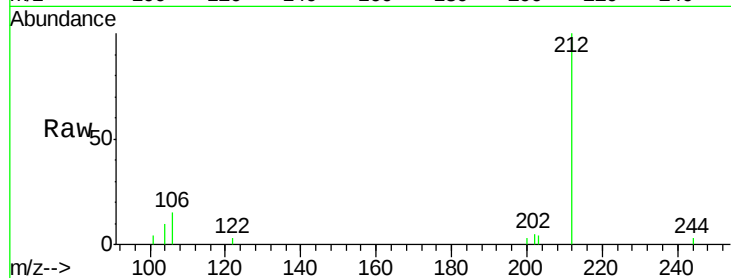




#25
 Fluoranthene-d10
 Concen: 0.233 ng
 RT: 19.10 min Scan# 1891
 Delta R.T. 0.02 min
 Lab File: BN003183.D
 Acq: 17 Oct 2018 17:07

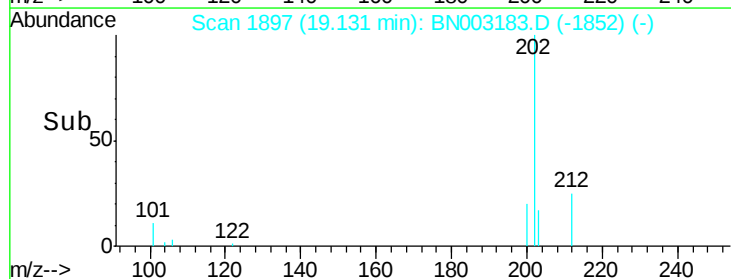
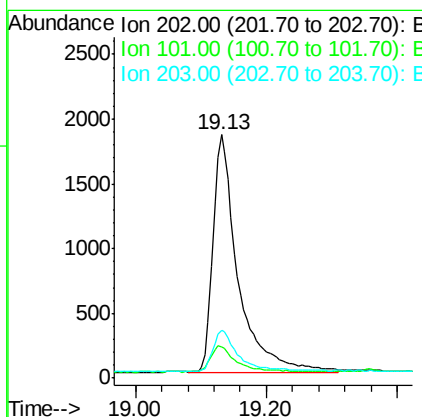
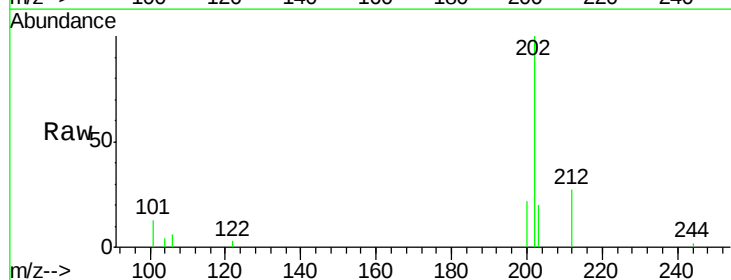
Instrument :
 BNA_N
 ClientSampleId :
 PB113776BSD

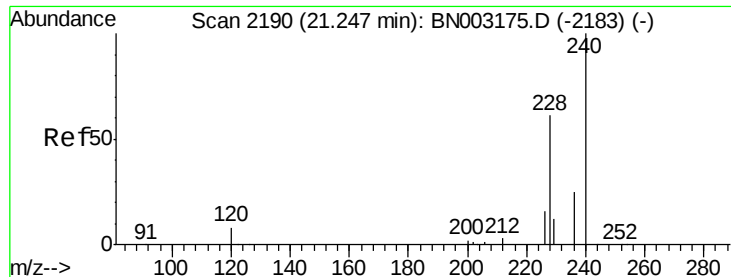
Tgt Ion: 212 Resp: 4242
 Ion Ratio Lower Upper
 212 100
 106 13.2 10.2 15.4
 104 7.3 5.8 8.6



#26
 Fluoranthene
 Concen: 0.246 ng
 RT: 19.13 min Scan# 1897
 Delta R.T. 0.02 min
 Lab File: BN003183.D
 Acq: 17 Oct 2018 17:07

Tgt Ion: 202 Resp: 4861
 Ion Ratio Lower Upper
 202 100
 101 11.2 8.6 12.8
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

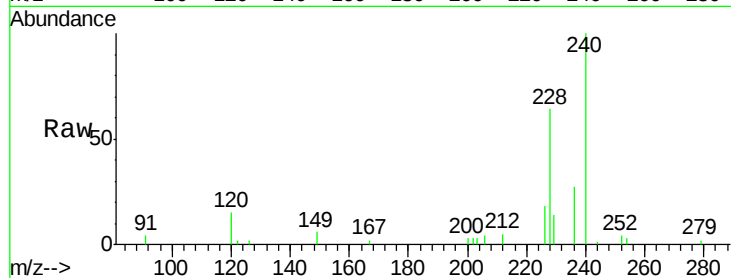
Tgt Ion:240 Resp: 7922

Ion Ratio Lower Upper

240 100

120 15.0 7.8 11.8#

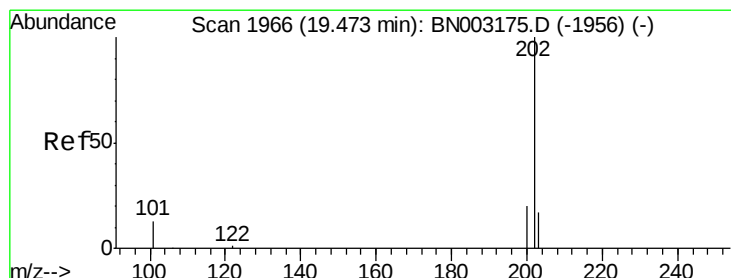
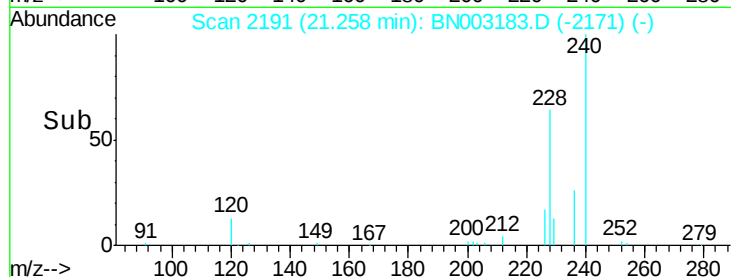
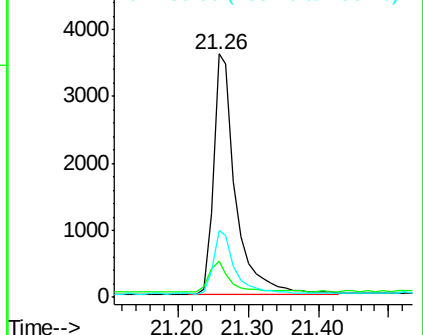
236 27.3 21.0 31.4



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: 0.225 ng

RT: 19.49 min Scan# 1970

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

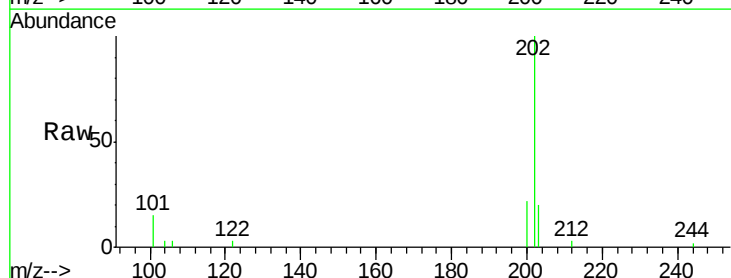
Tgt Ion:202 Resp: 4995

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

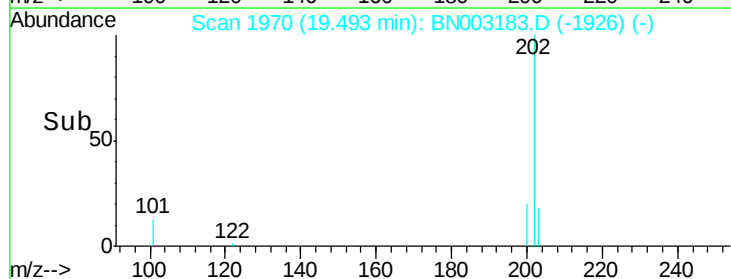
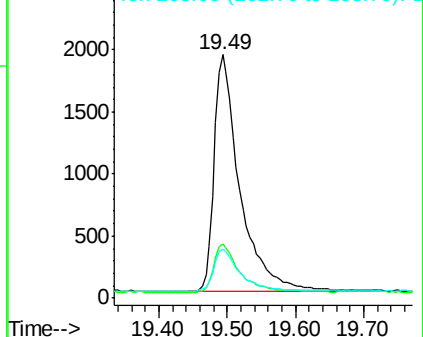
203 18.3 14.2 21.2

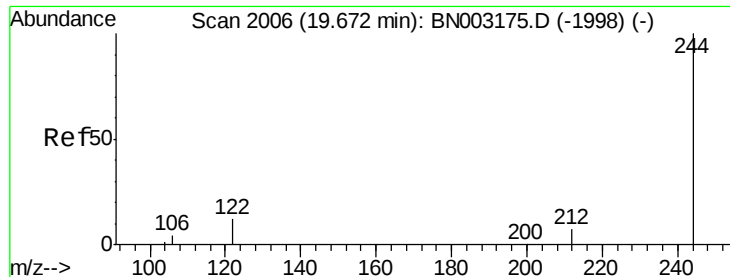


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.184 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

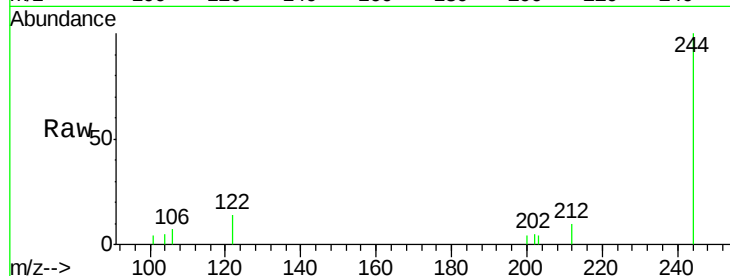
Tgt Ion:244 Resp: 3154

Ion Ratio Lower Upper

244 100

212 9.8 6.2 9.4#

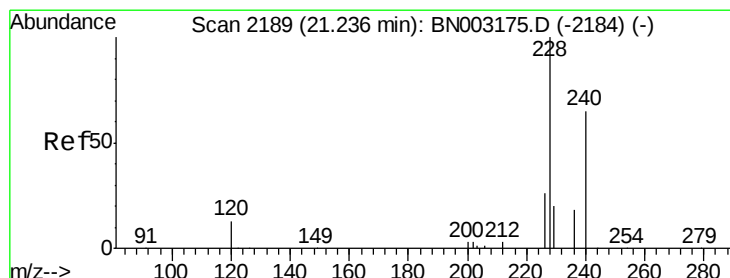
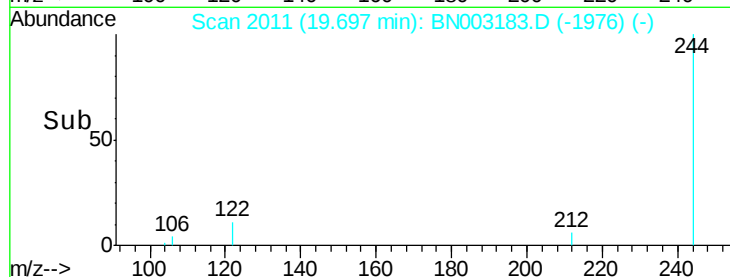
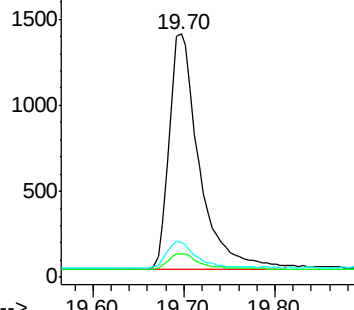
122 14.3 9.1 13.7#



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: 0.232 ng

RT: 21.26 min Scan# 2191

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

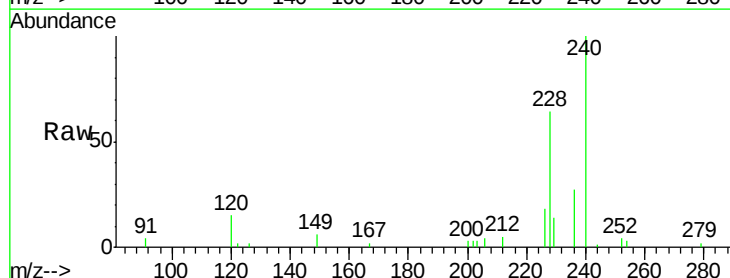
Tgt Ion:228 Resp: 4935

Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.2

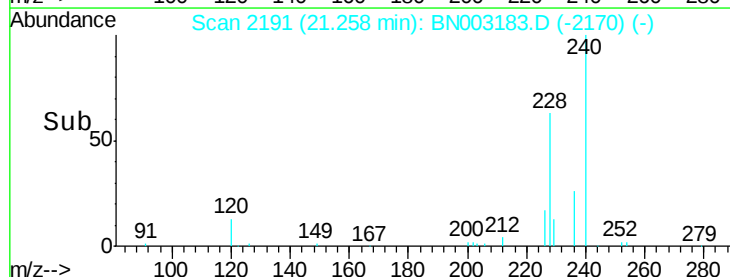
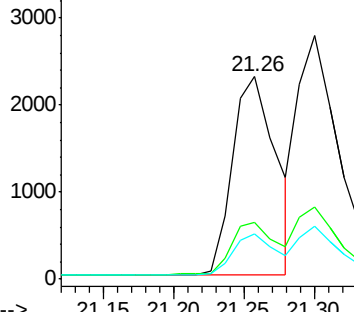
229 22.1 16.4 24.6

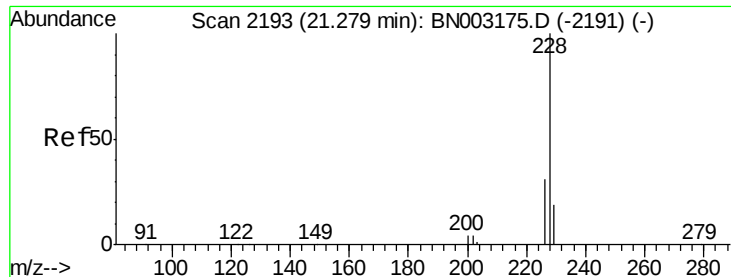


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.238 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

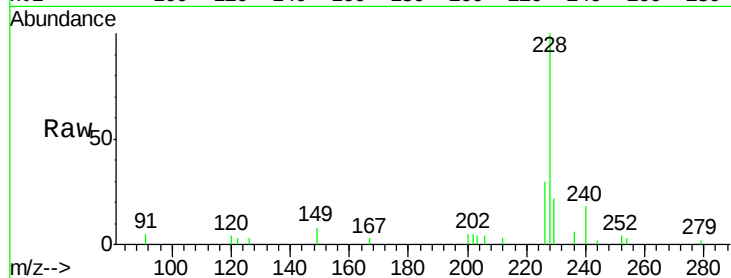
Tgt Ion:228 Resp: 5800

Ion Ratio Lower Upper

228 100

226 29.8 23.1 34.7

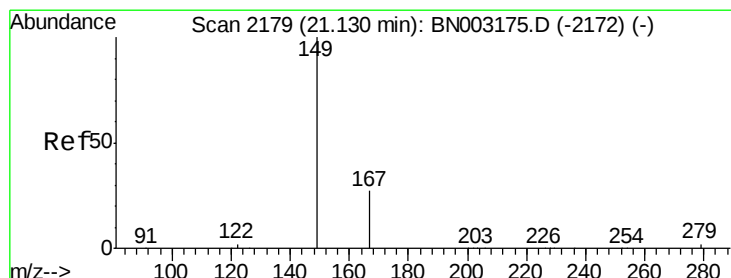
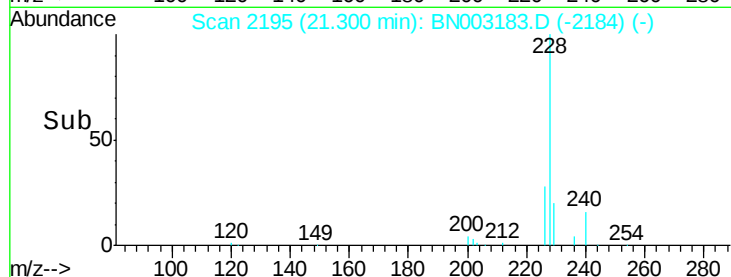
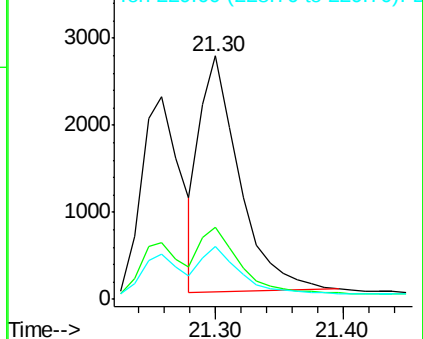
229 21.5 15.9 23.9



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: 0.216 ng

RT: 21.14 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

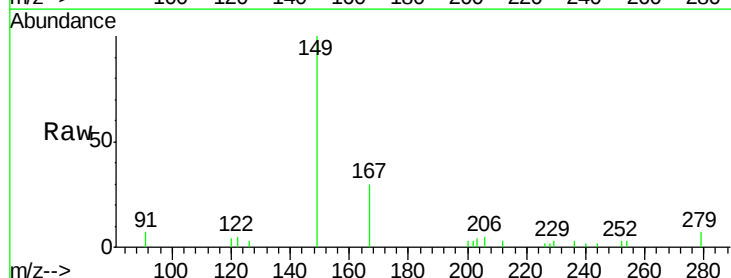
Tgt Ion:149 Resp: 2718

Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

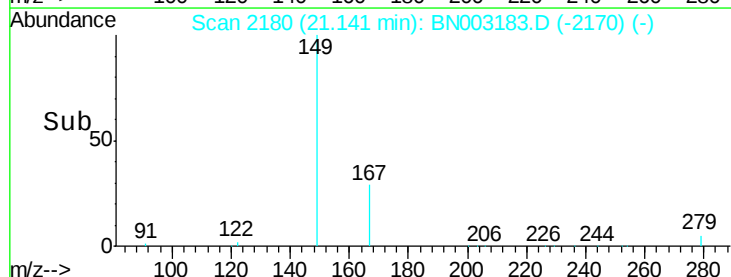
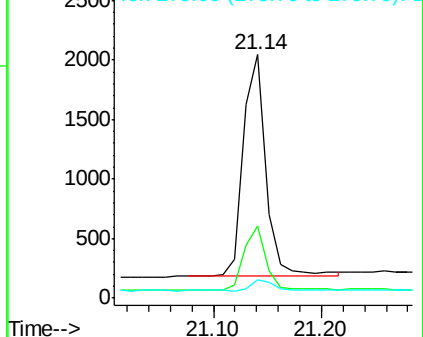
279 5.2 3.7 5.5

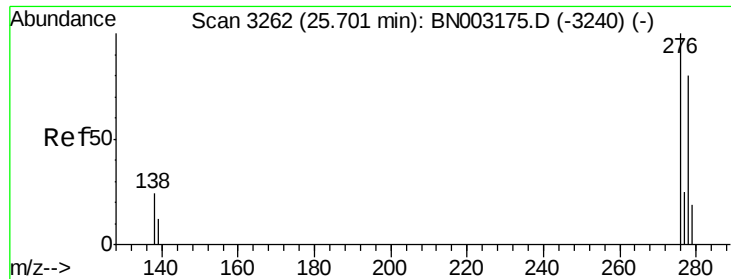


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.247 ng

RT: 25.75 min Scan# 3275

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

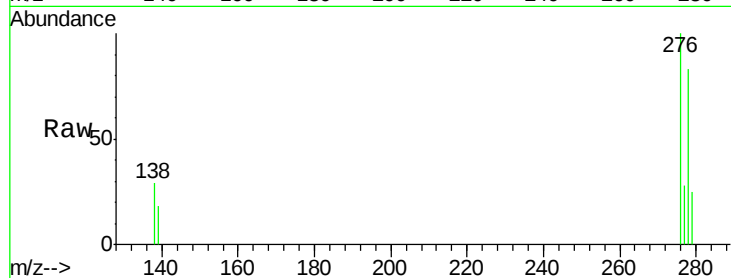
Tgt Ion:276 Resp: 7101

Ion Ratio Lower Upper

276 100

138 24.7 18.2 27.4

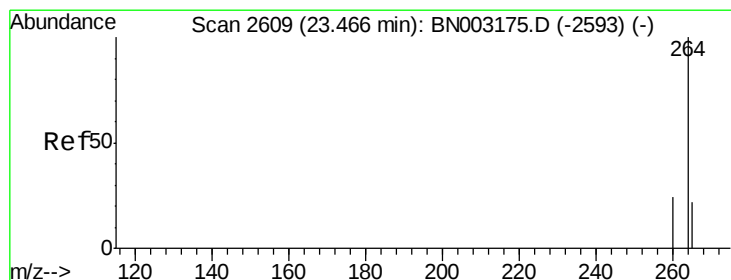
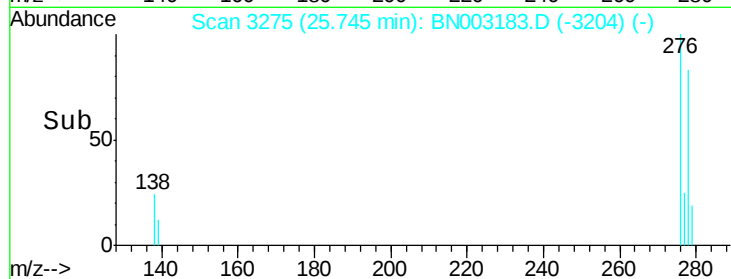
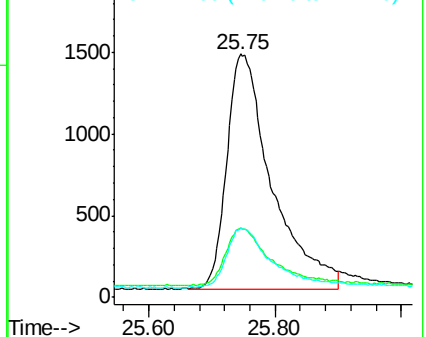
277 25.0 20.2 30.4



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: 23.49 min Scan# 2616

Delta R.T. 0.02 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

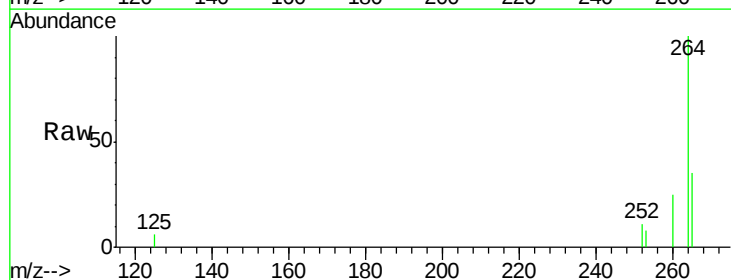
Tgt Ion:264 Resp: 8751

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

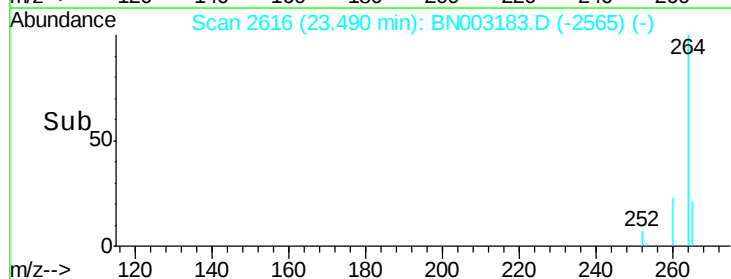
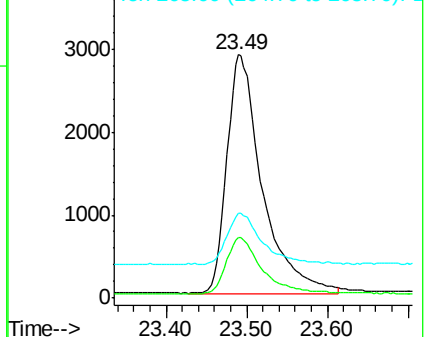
265 34.6 27.6 41.4

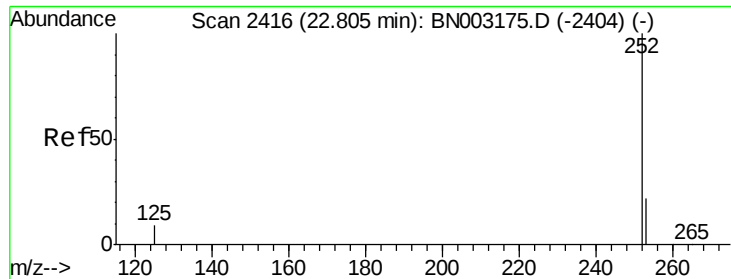


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

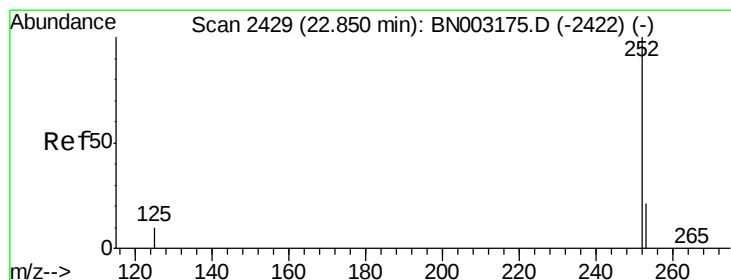
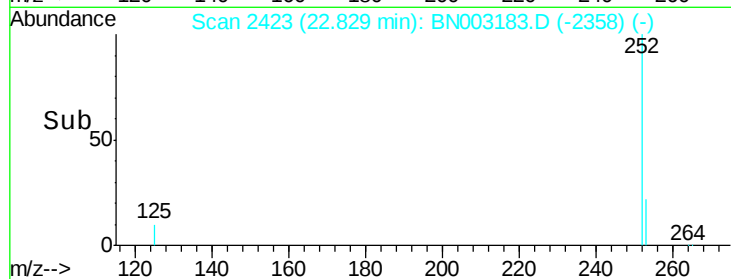
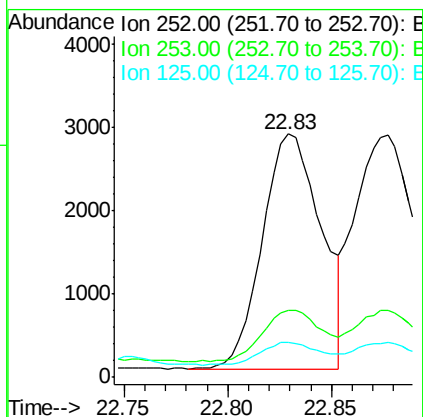
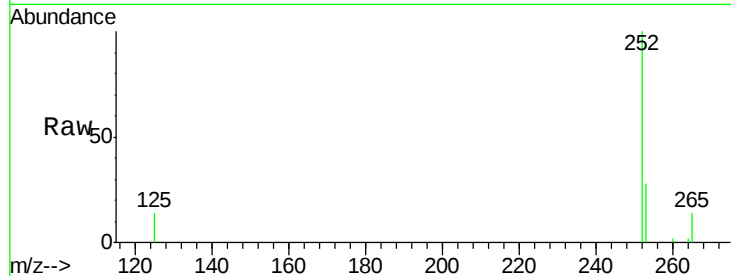




#35
Benzo(b)fluoranthene
Concen: 0.235 ng
RT: 22.83 min Scan# 2423
Delta R.T. 0.02 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

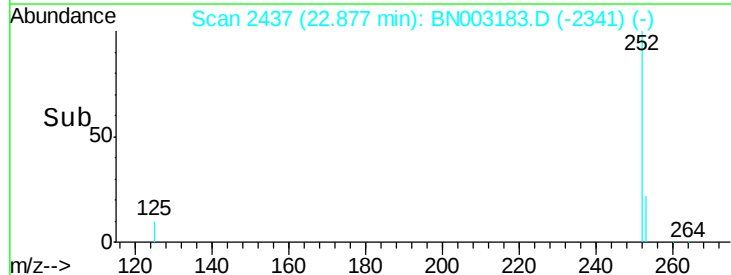
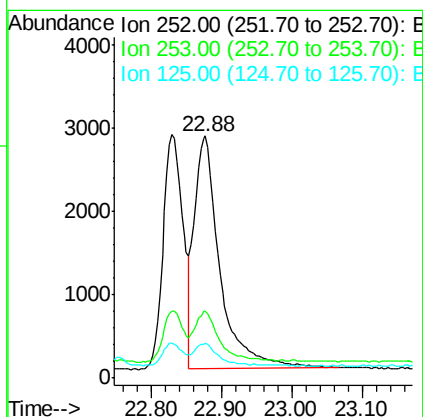
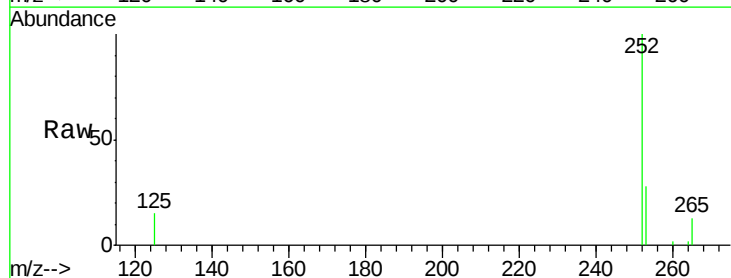
Instrument :
BNA_N
ClientSampleId :
PB113776BSD

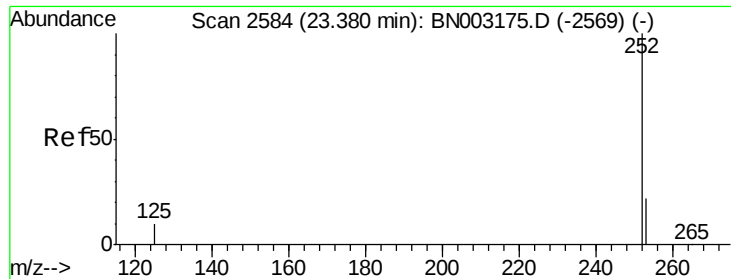
Tgt Ion:252 Resp: 5545
Ion Ratio Lower Upper
252 100
253 27.6 20.8 31.2
125 14.2 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.255 ng
RT: 22.88 min Scan# 2437
Delta R.T. 0.03 min
Lab File: BN003183.D
Acq: 17 Oct 2018 17:07

Tgt Ion:252 Resp: 7099
Ion Ratio Lower Upper
252 100
253 27.6 20.5 30.7
125 14.6 9.4 14.0#





#37

Benzo(a)pyrene

Concen: 0.251 ng

RT: 23.41 min Scan# 2592

Delta R.T. 0.03 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD

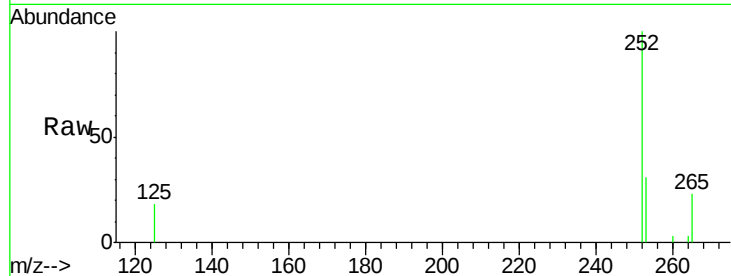
Tgt Ion:252 Resp: 6104

Ion Ratio Lower Upper

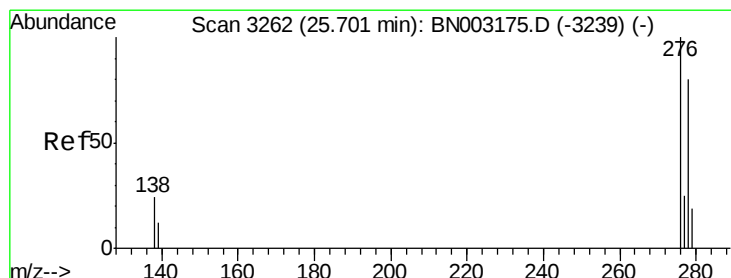
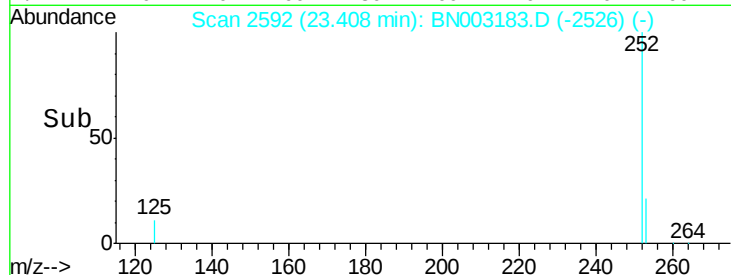
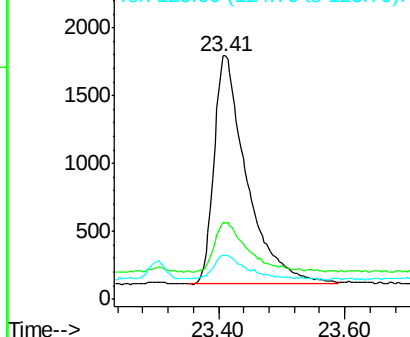
252 100

253 31.5 22.4 33.6

125 18.2 11.4 17.0#



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: 0.240 ng

RT: 25.75 min Scan# 3275

Delta R.T. 0.04 min

Lab File: BN003183.D

Acq: 17 Oct 2018 17:07

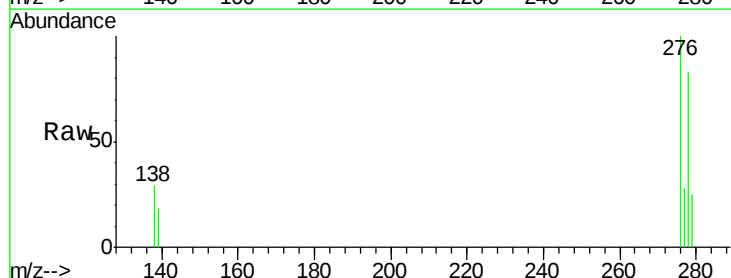
Tgt Ion:278 Resp: 5974

Ion Ratio Lower Upper

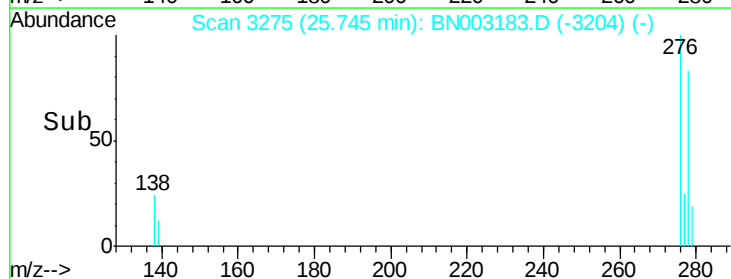
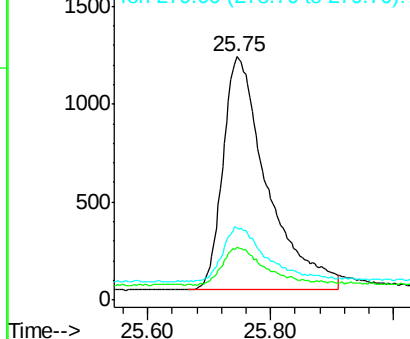
278 100

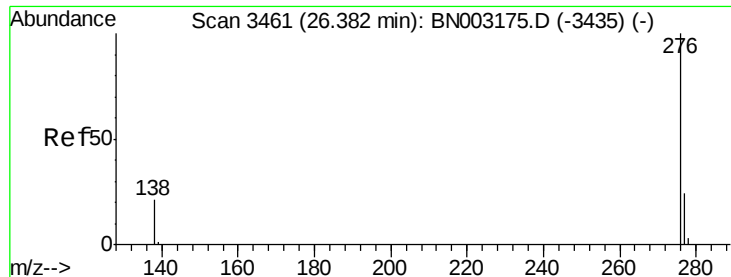
139 21.9 14.6 21.8#

279 29.9 23.1 34.7



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: 0.250 ng

RT: 26.42 min Scan# 3472

Delta R.T. 0.04 min

Lab File: BN003183.D

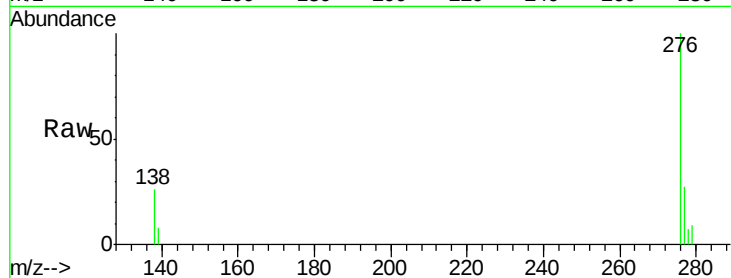
Acq: 17 Oct 2018 17:07

Instrument :

BNA_N

ClientSampleId :

PB113776BSD



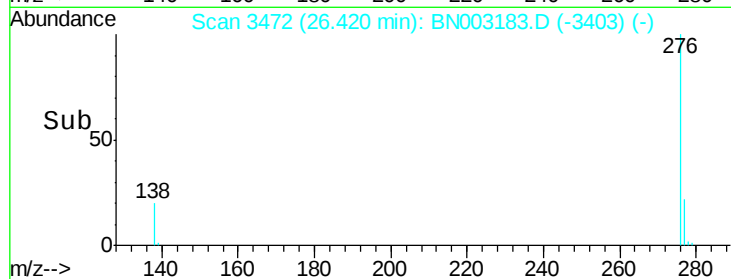
Tgt Ion: 276 Resp: 6294

Ion Ratio Lower Upper

276 100

277 26.9 21.0 31.4

138 25.7 18.1 27.1



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

