

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004863.D
 Acq On : 21 Mar 2019 22:55
 Operator : JU/SJ
 Sample : K1817-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B009-030619

Quant Time: Mar 22 02:02:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1902	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8654	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5628	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14956	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19931	0.40	ng	0.00
34) Perylene-d12	23.54	264	21918	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	2666	0.52	ng	0.00
5) Phenol-d6	6.87	99	3707	0.58	ng	0.00
8) Nitrobenzene-d5	8.87	82	2122	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5140	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1864	0.48	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	8900	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	14359	0.29	ng	0.00
29) Terphenyl-d14	19.72	244	13034	0.32	ng	0.00

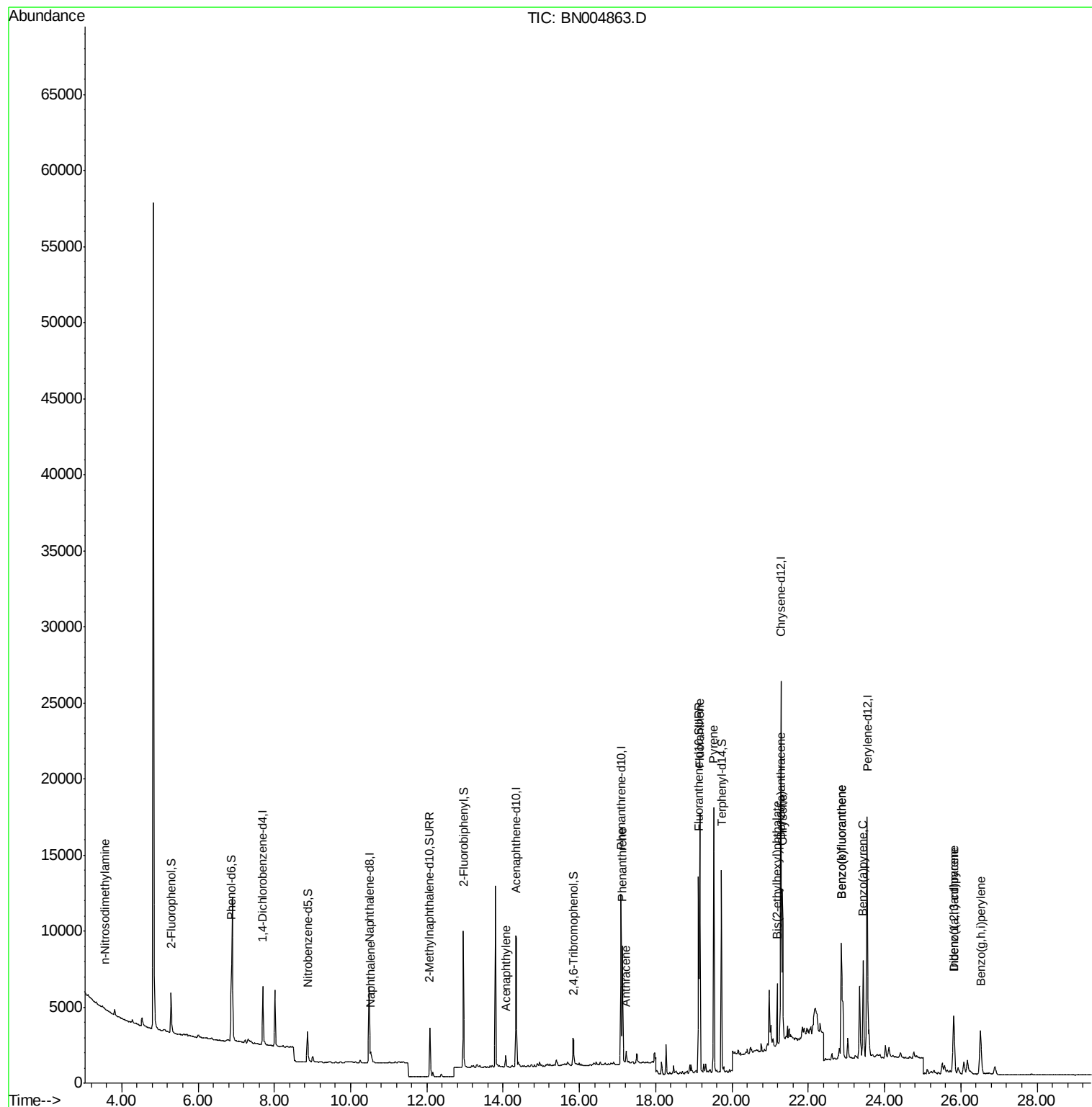
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.56	42	36	0.028	ng	# 1
9) Naphthalene	10.53	128	704	0.029	ng	# 74
16) Acenaphthylene	14.07	152	955	0.033	ng	95
23) Phenanthrene	17.13	178	8032	0.166	ng	99
24) Anthracene	17.23	178	1057	0.025	ng	98
26) Fluoranthene	19.16	202	15336	0.247	ng	99
28) Pyrene	19.52	202	15954	0.263	ng	97
30) Benzo(a)anthracene	21.27	228	8558	0.131	ng	95
31) Chrysene	21.32	228	9188	0.133	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	3462	0.133	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	6317	0.063	ng	98
35) Benzo(b)fluoranthene	22.87	252	13012	0.164	ng	# 88
36) Benzo(k)fluoranthene	22.87	252	13012	0.167	ng	# 88
37) Benzo(a)pyrene	23.44	252	8971	0.123	ng	# 90
38) Dibenzo(a,h)anthracene	25.82	278	1740	0.021	ng	# 43
39) Benzo(g,h,i)perylene	26.52	276	6359	0.074	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

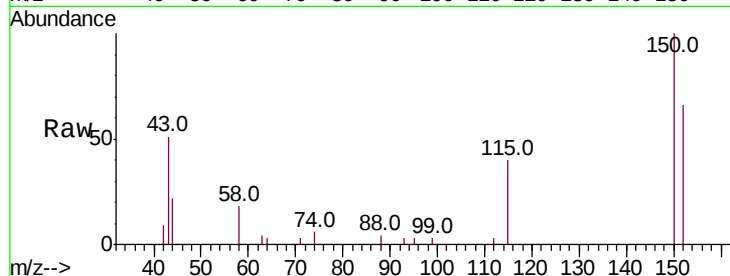
Tot Ion:152 Resp: 1902

Ion Ratio Lower Upper

152 100

150 152.3 126.2 189.4

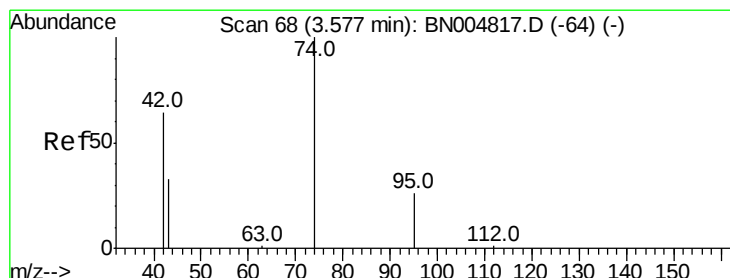
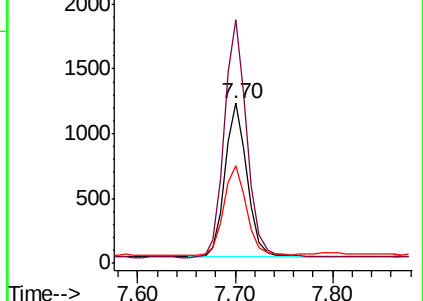
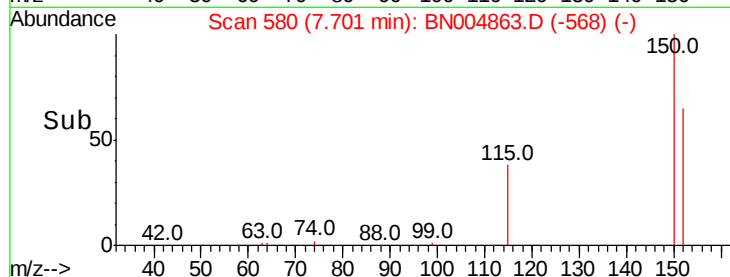
115 61.3 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.56 min Scan# 66

Delta R.T. -0.02 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

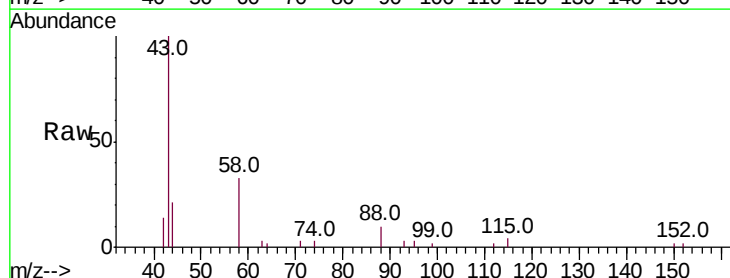
Tgt Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 11.1 128.4 192.6#

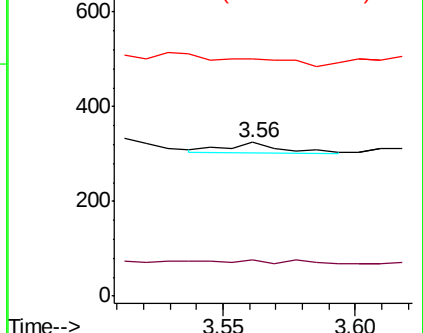
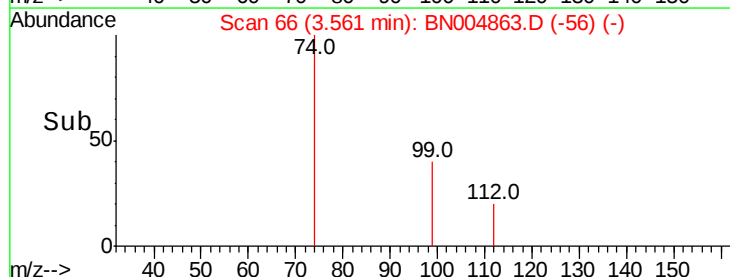
44 0.0 6.1 9.1#

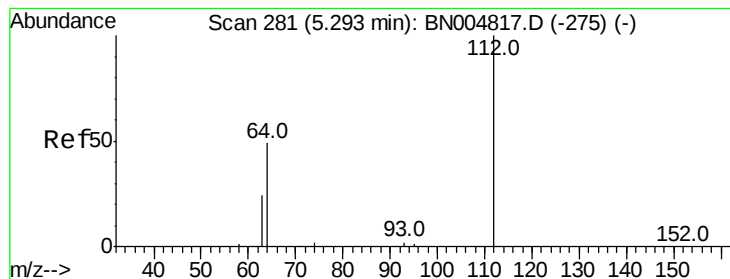


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.516 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

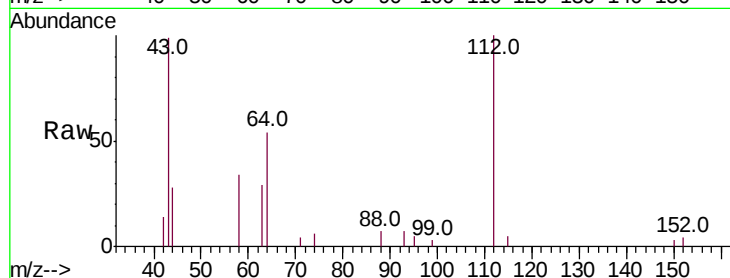
Tot Ion:112 Resp: 2666

Ion Ratio Lower Upper

112 100

64 50.0 40.0 60.0

63 26.4 20.2 30.2



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

5.29

1500

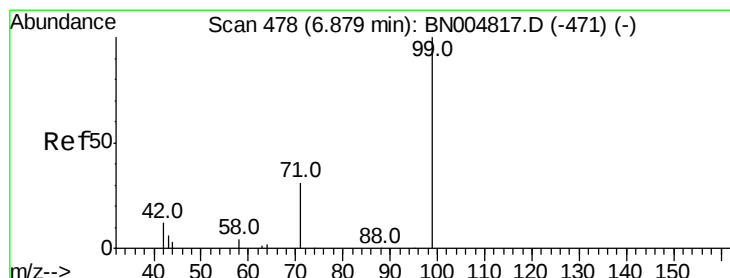
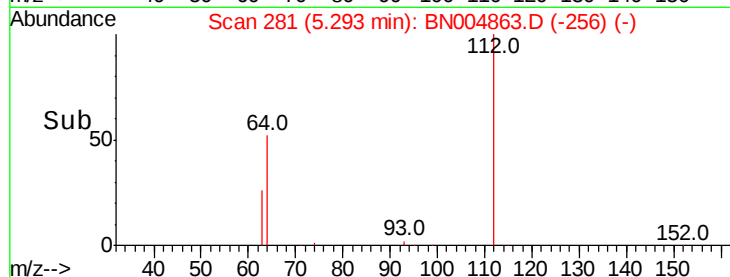
1000

500

0

5.20 5.30 5.40 5.50

Time-->



#5

Phenol-d6

Concen: 0.576 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

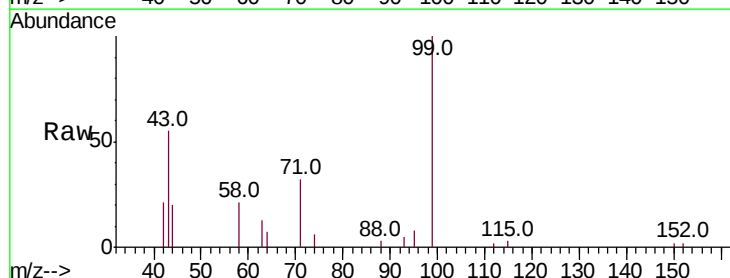
Tgt Ion: 99 Resp: 3707

Ion Ratio Lower Upper

99 100

42 28.6 12.7 19.1#

71 32.0 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.87

3000

2500

2000

1500

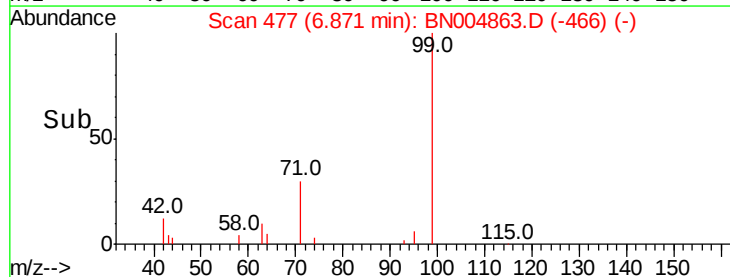
1000

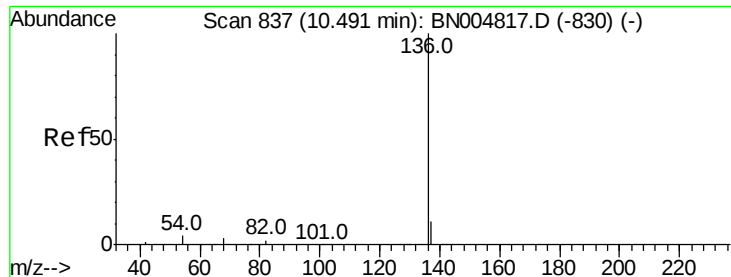
500

0

6.80 6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

Tot Ion:136 Resp: 8654

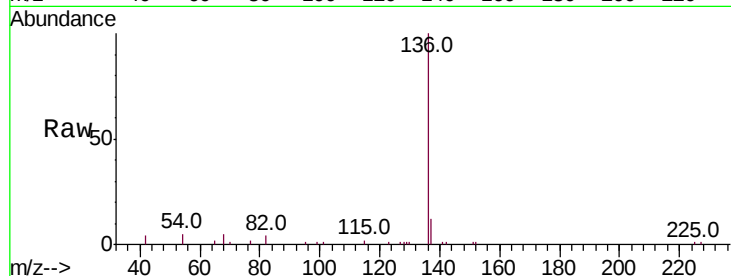
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 5.0 4.2 6.2

68 4.7 3.9 5.9

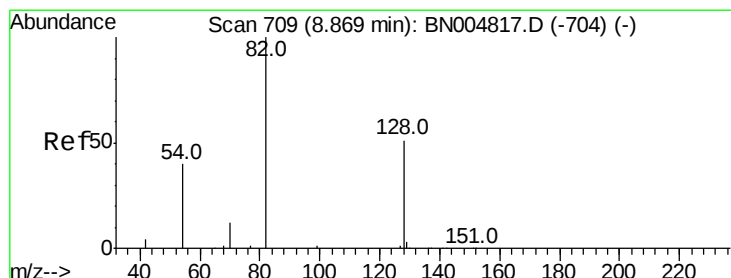
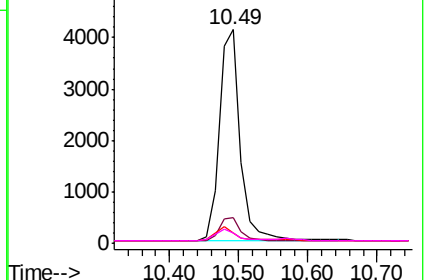
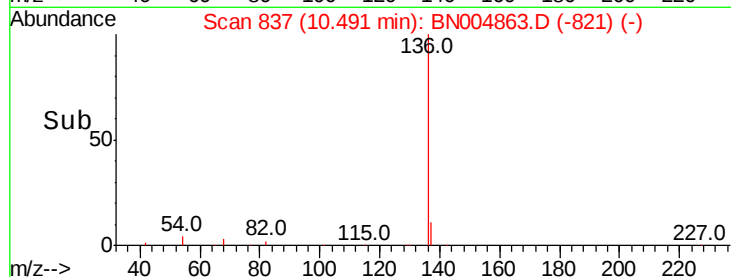


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

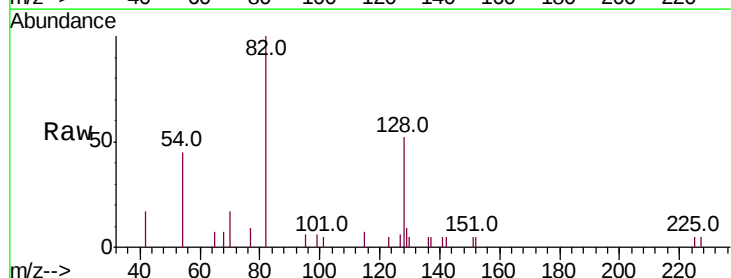
Tgt Ion: 82 Resp: 2122

Ion Ratio Lower Upper

82 100

128 52.3 43.0 64.6

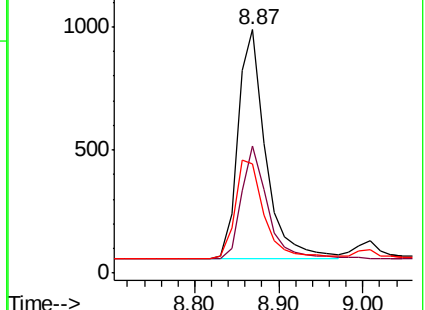
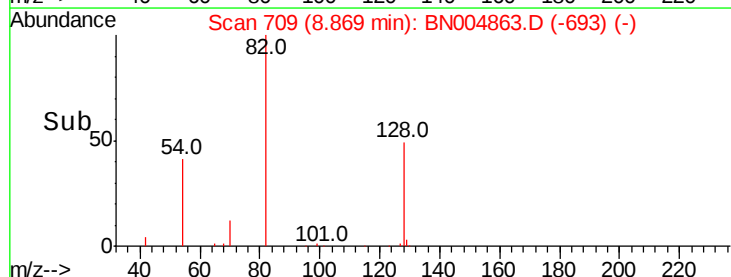
54 44.8 35.3 52.9

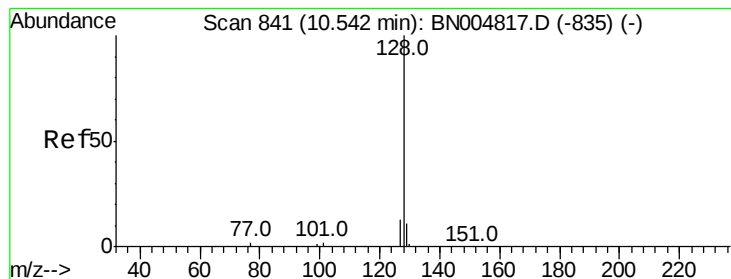


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.029 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

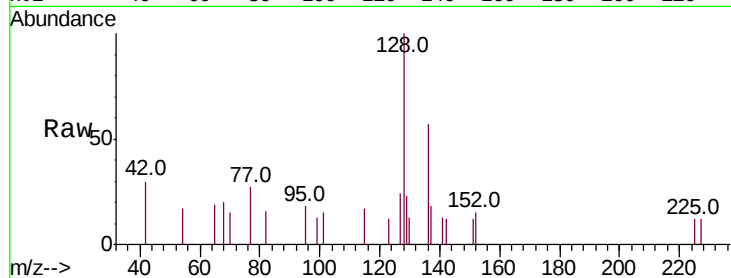
Tot Ion:128 Resp: 704

Ion Ratio Lower Upper

128 100

129 23.2 9.9 14.9#

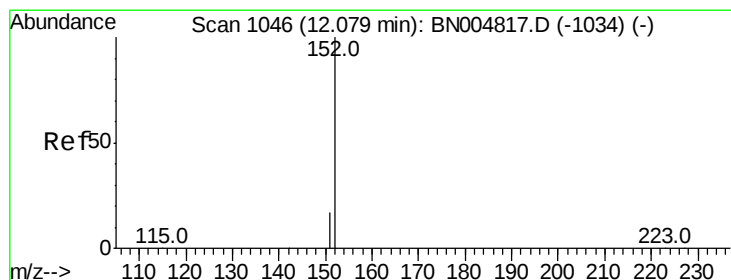
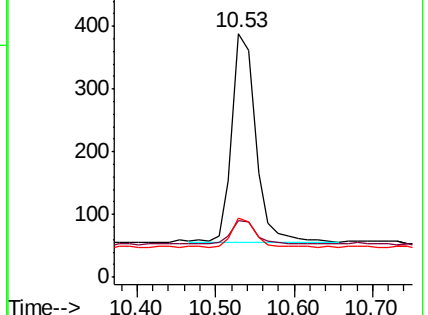
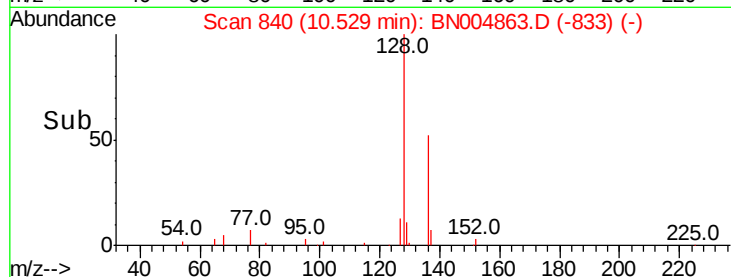
127 24.2 11.3 16.9#



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



#11

2-Methylnaphthalene-d10

Concen: 0.340 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004863.D

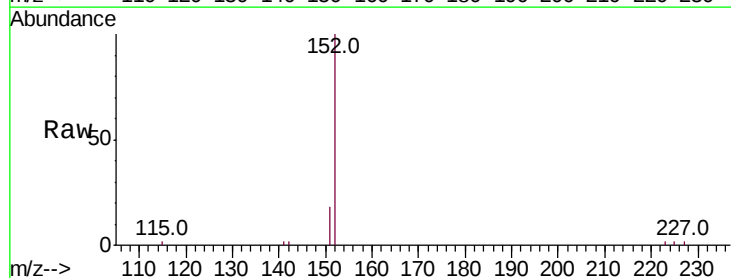
Acq: 21 Mar 2019 22:55

Tgt Ion:152 Resp: 5140

Ion Ratio Lower Upper

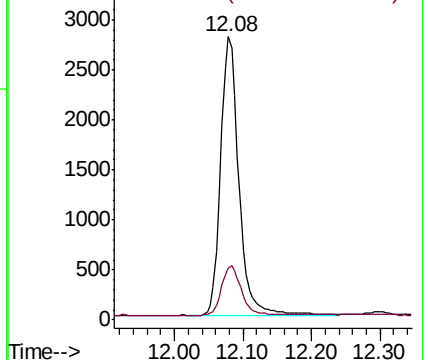
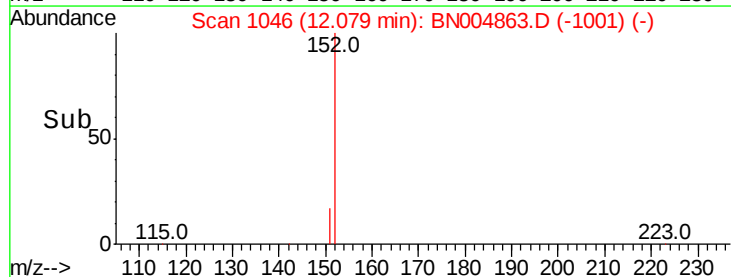
152 100

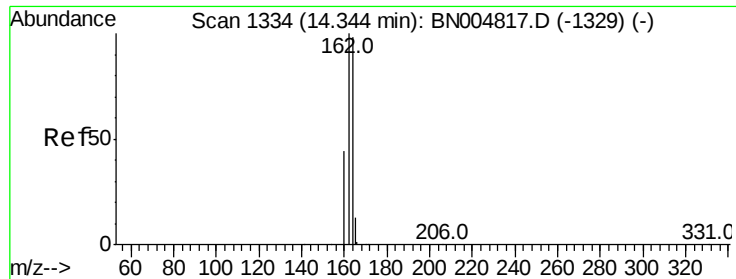
151 19.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

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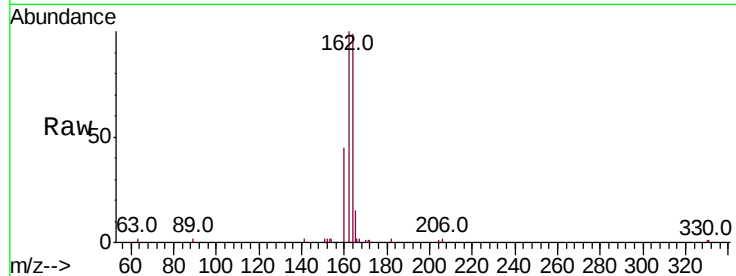
Tot Ion:164 Resp: 5628

Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

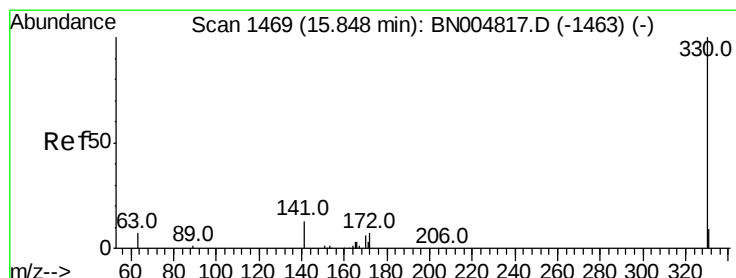
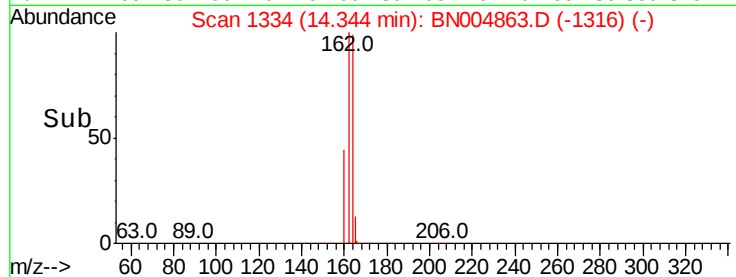
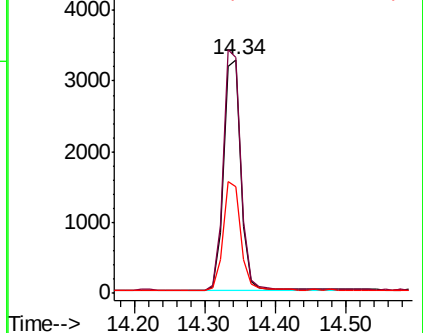
160 45.5 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.480 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

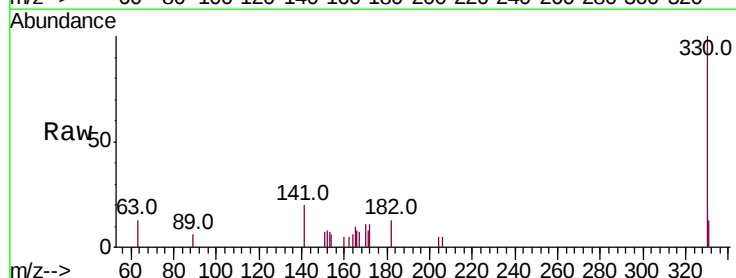
Tgt Ion:330 Resp: 1864

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

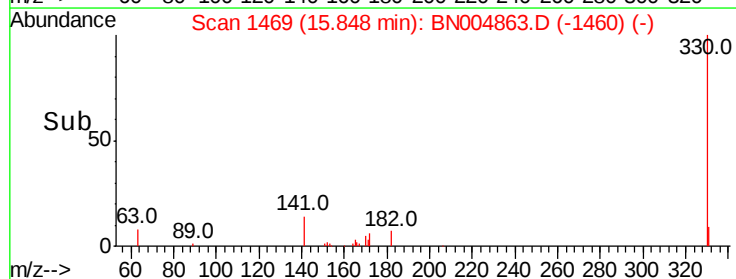
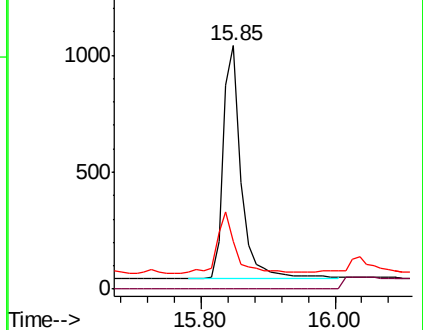
141 28.6 20.9 31.3

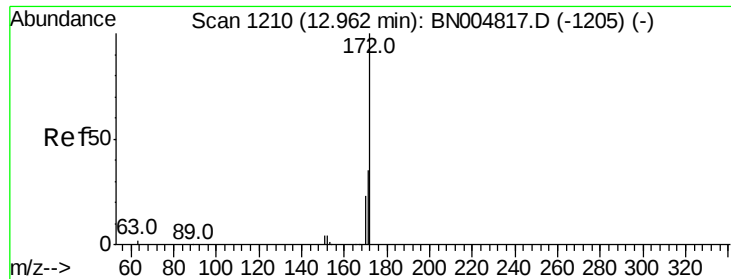


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

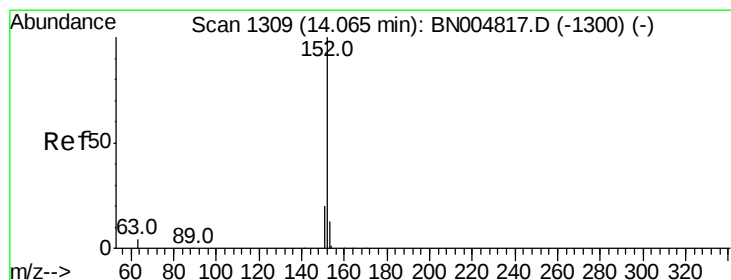
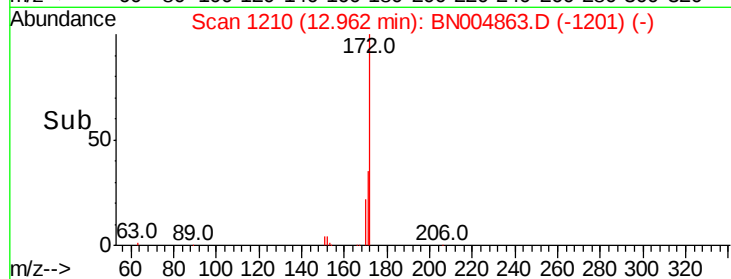
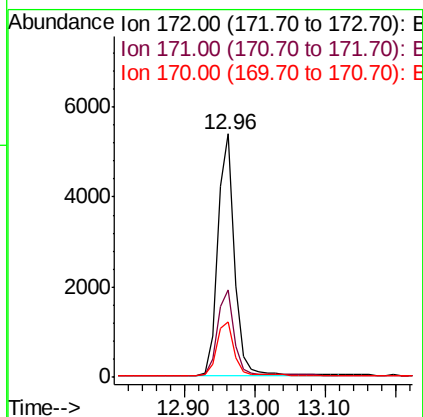
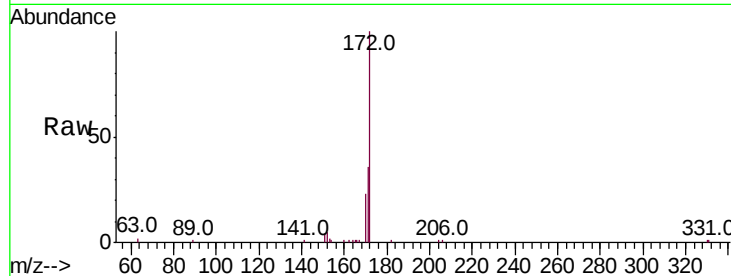




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

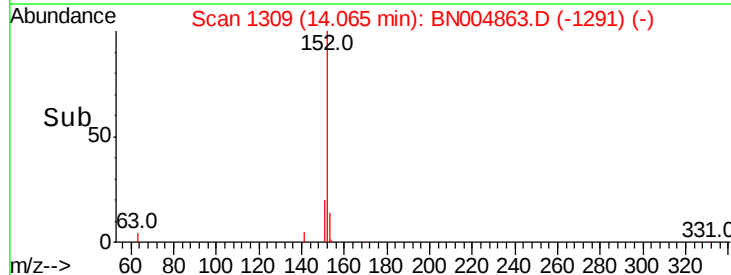
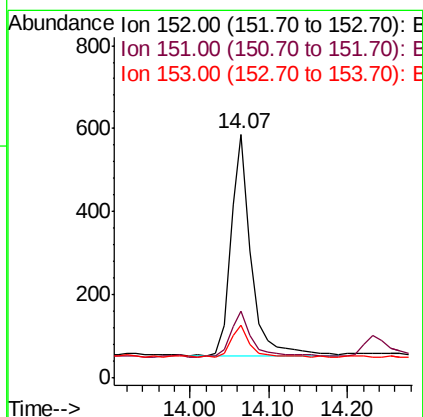
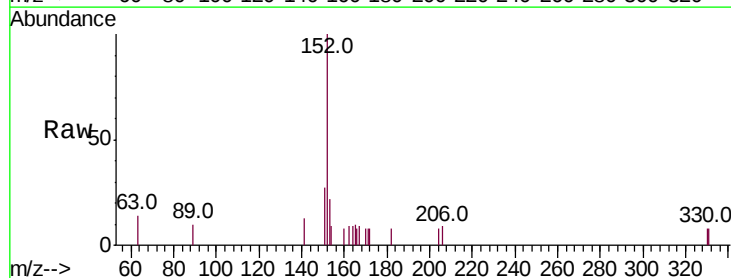
Instrument :
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PST-028-B009-030619

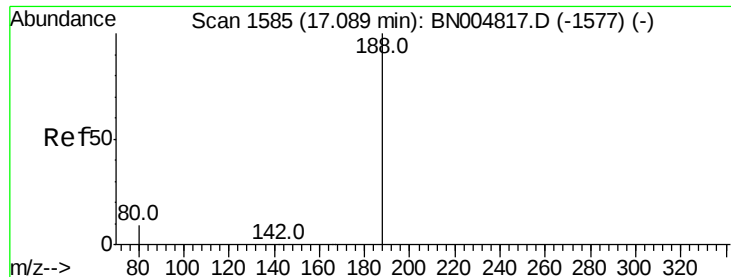
Tot Ion:172 Resp: 8900
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 22.9 18.7 28.1



#16
Acenaphthylene
Concen: 0.033 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion:152 Resp: 955
Ion Ratio Lower Upper
152 100
151 22.1 16.1 24.1
153 15.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

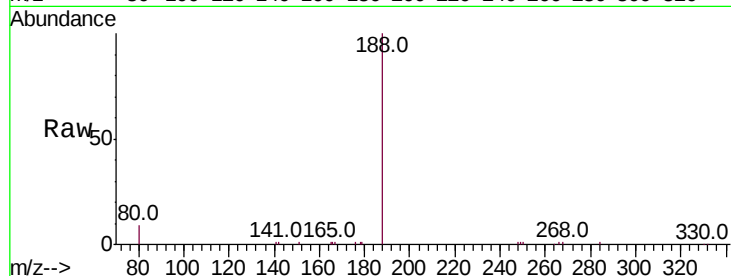
Tot Ion:188 Resp: 14956

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

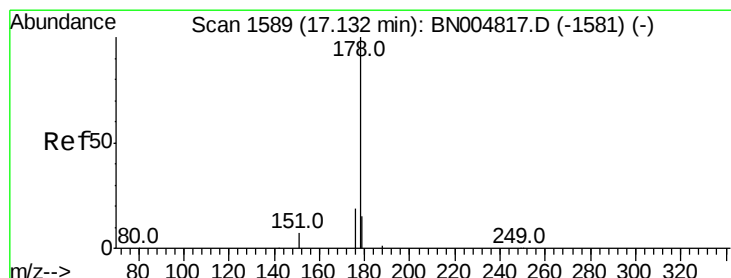
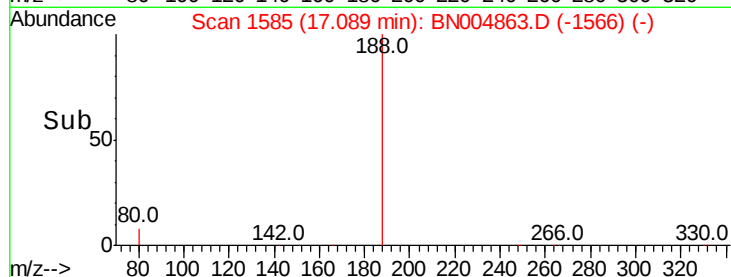
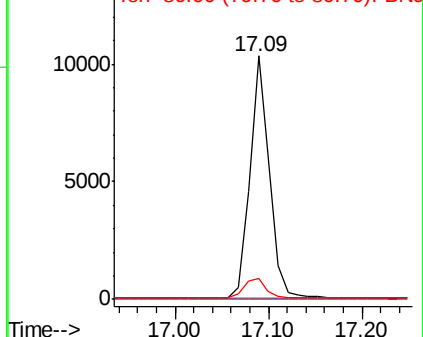
80 8.7 7.4 11.2



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



#23

Phenanthrene

Concen: 0.166 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

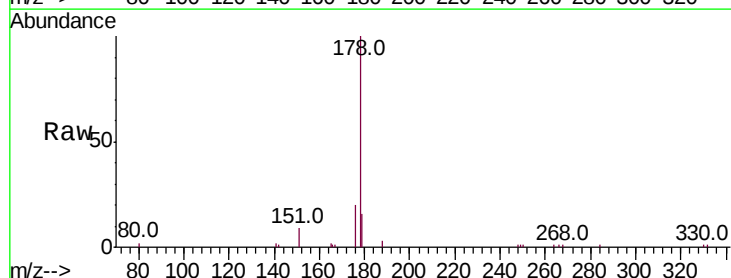
Tgt Ion:178 Resp: 8032

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

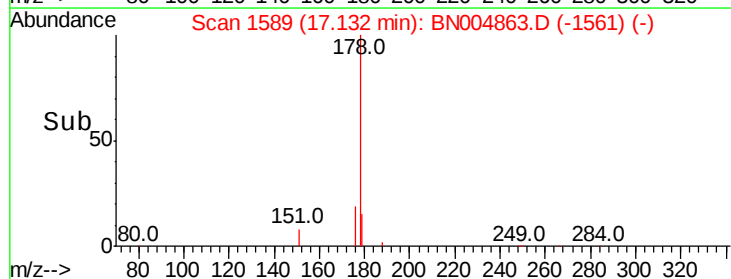
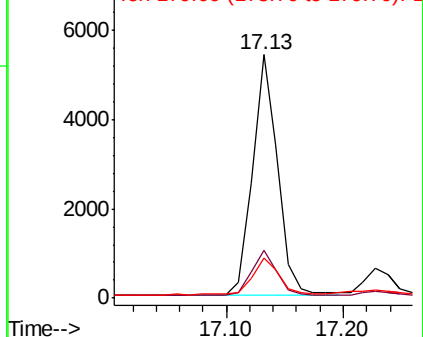
179 16.1 12.1 18.1

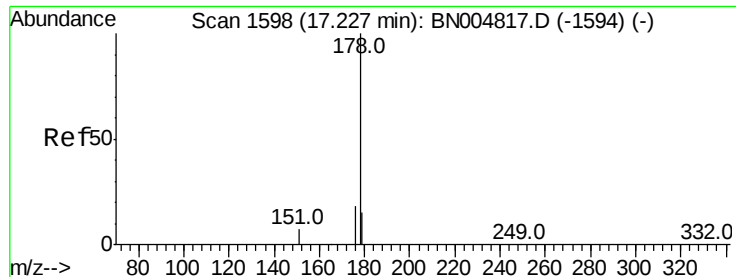


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.025 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

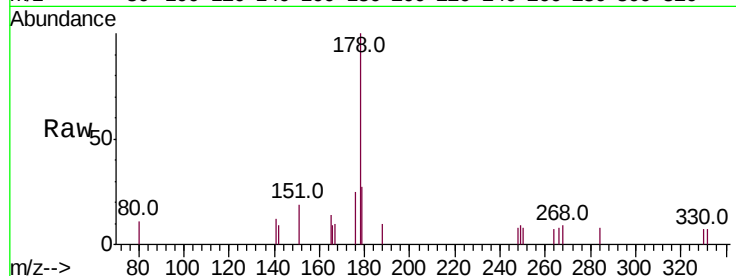
Tot Ion:178 Resp: 1057

Ion Ratio Lower Upper

178 100

176 17.1 14.5 21.7

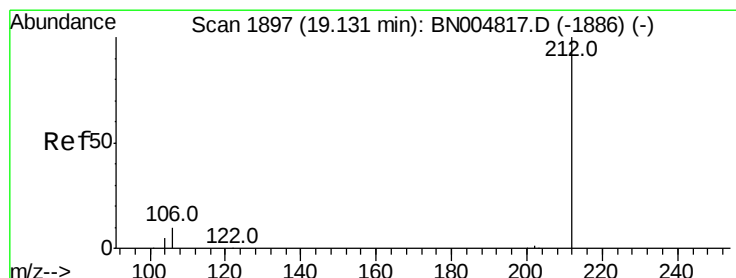
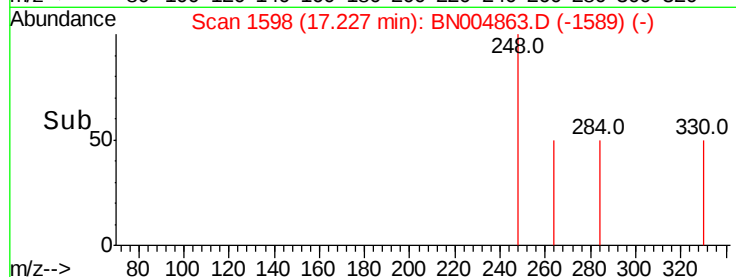
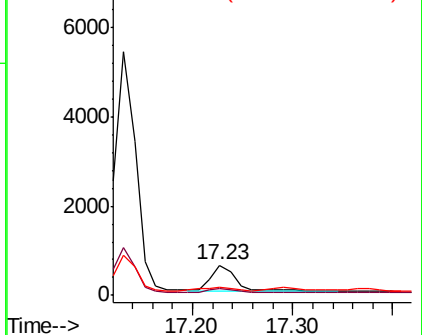
179 16.4 12.2 18.4



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: 0.287 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

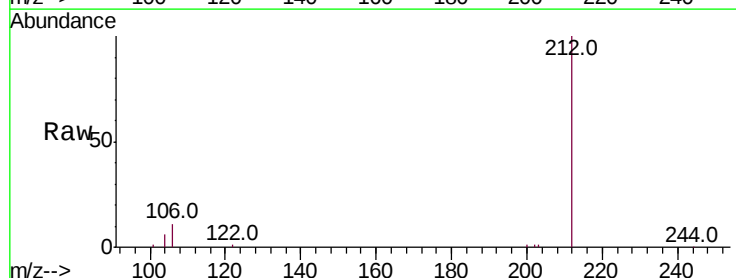
Tgt Ion:212 Resp: 14359

Ion Ratio Lower Upper

212 100

106 11.1 8.6 13.0

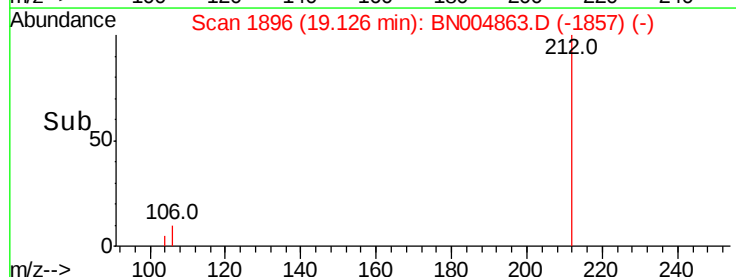
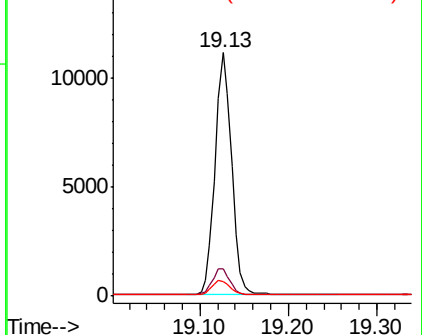
104 6.3 4.7 7.1

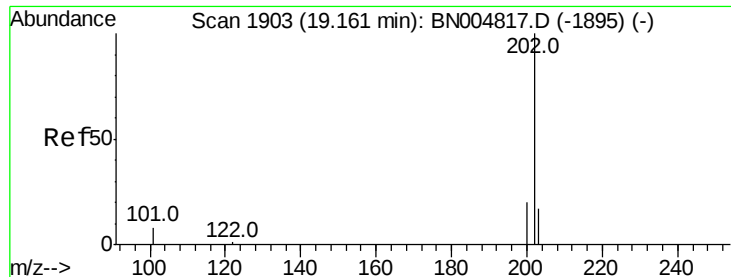


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

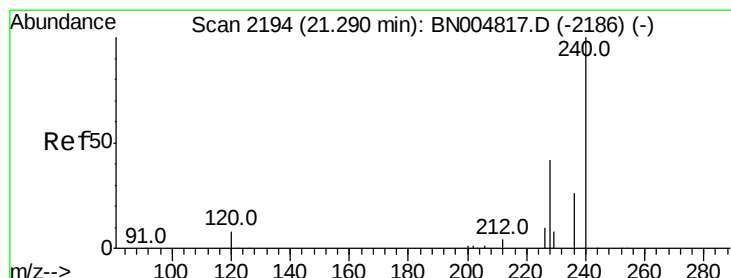
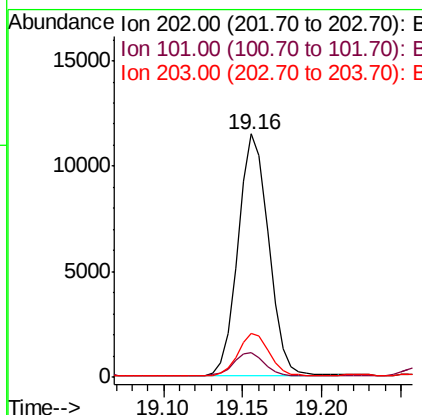
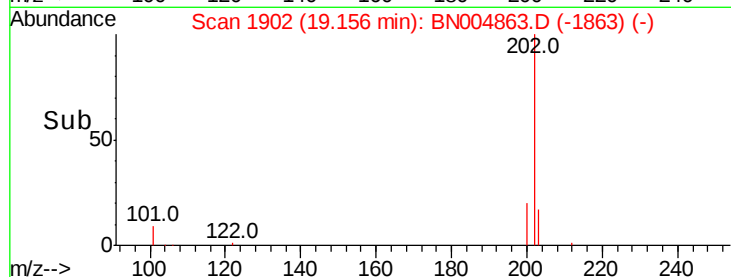
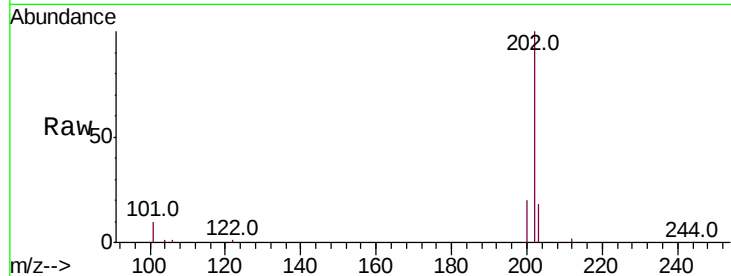




#26
Fluoranthene
Concen: 0.247 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

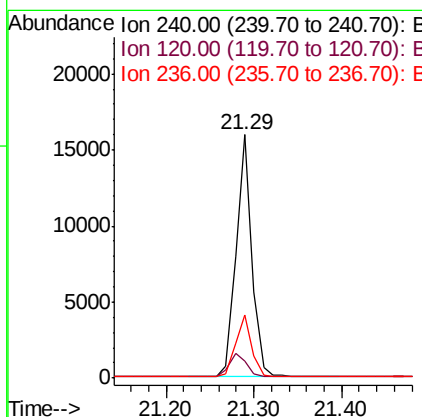
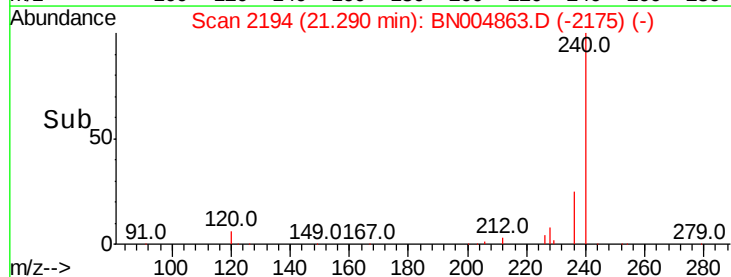
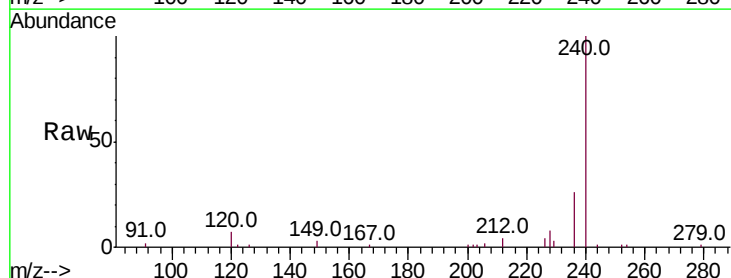
Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

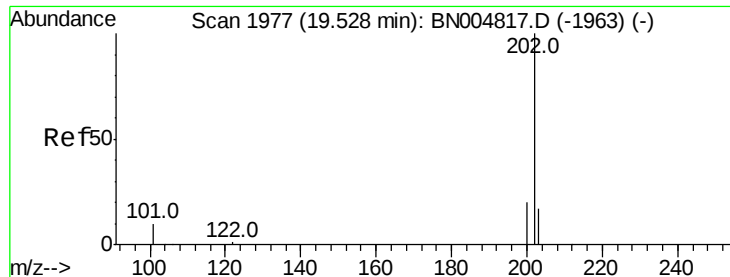
Tot Ion:202 Resp: 15336
Ion Ratio Lower Upper
202 100
101 9.9 7.5 11.3
203 17.4 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion:240 Resp: 19931
Ion Ratio Lower Upper
240 100
120 6.9 7.2 10.8#
236 25.7 20.9 31.3

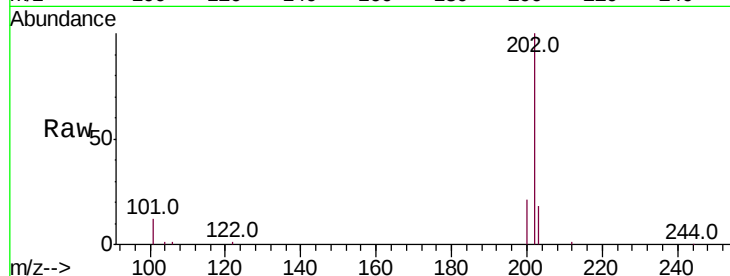




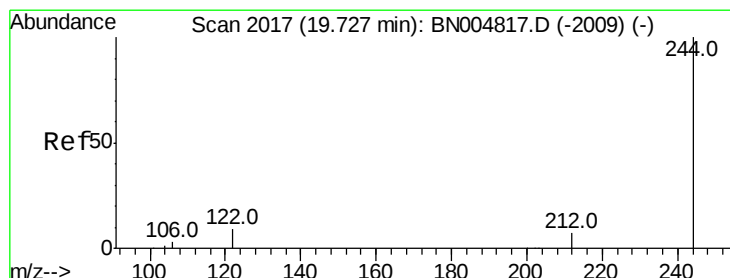
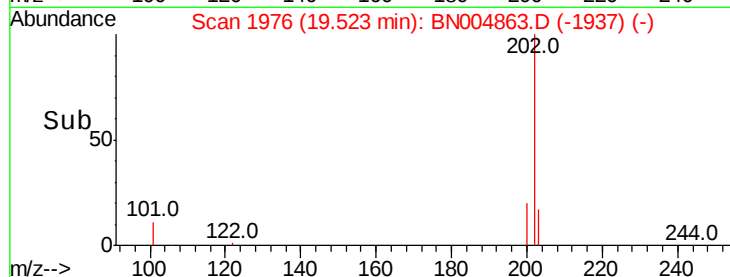
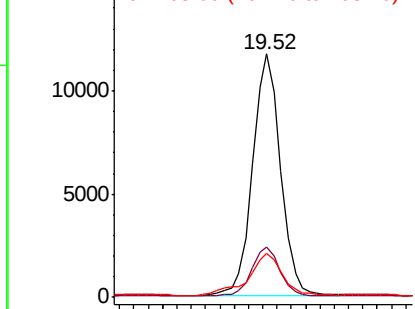
#28
Pvrene
Concen: 0.263 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion:202 Resp: 15954
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 20.3 14.0 21.0

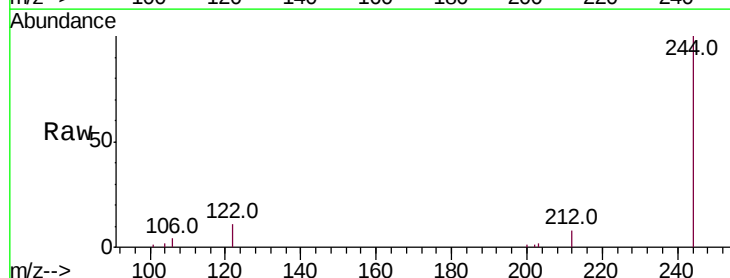


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

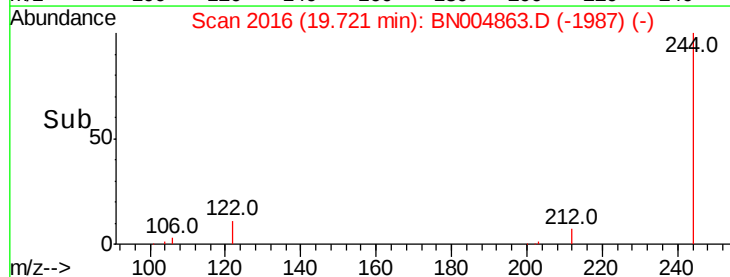
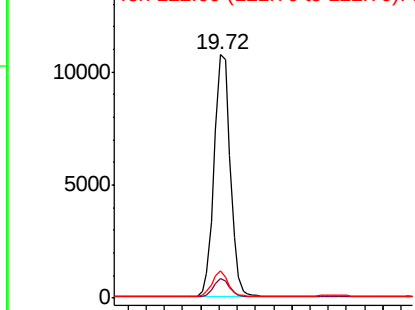


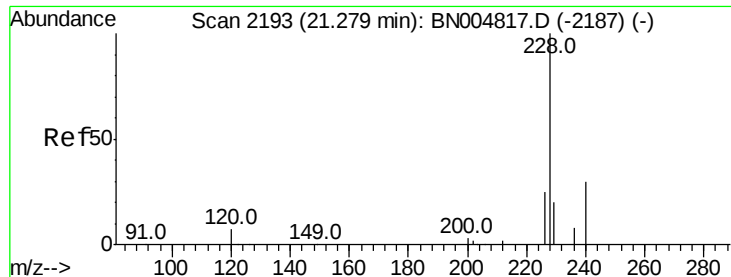
#29
Terphenyl-d14
Concen: 0.320 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion:244 Resp: 13034
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 11.2 7.9 11.9



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: 0.131 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

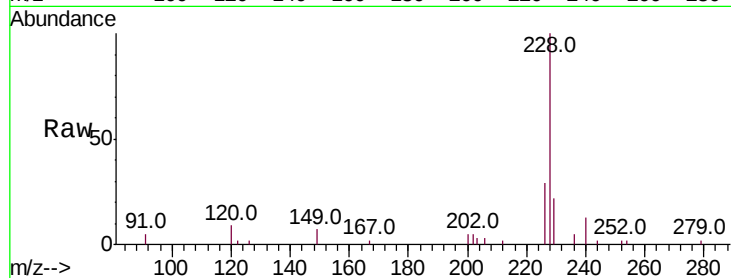
Tot Ion:228 Resp: 8558

Ion Ratio Lower Upper

228 100

226 28.6 20.6 31.0

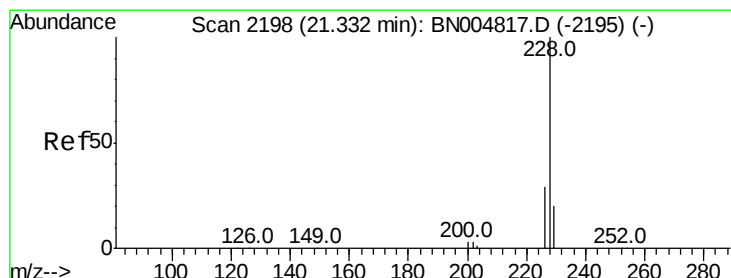
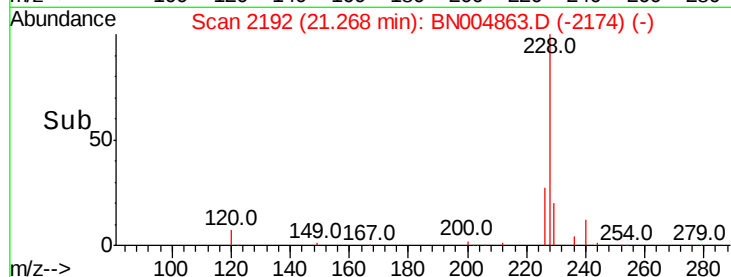
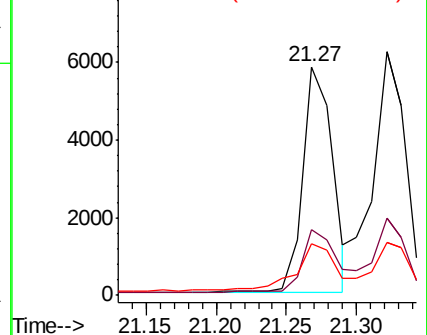
229 22.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.133 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

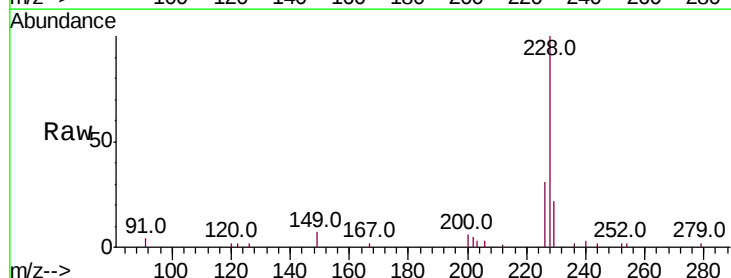
Tgt Ion:228 Resp: 9188

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.6

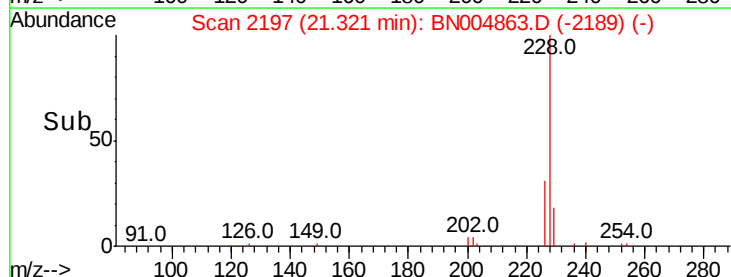
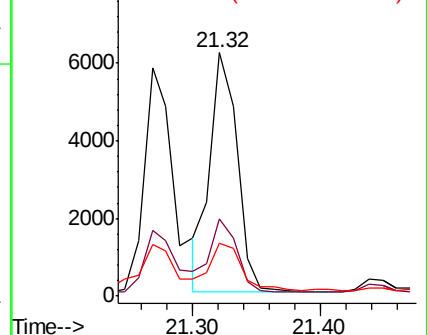
229 21.5 16.2 24.2

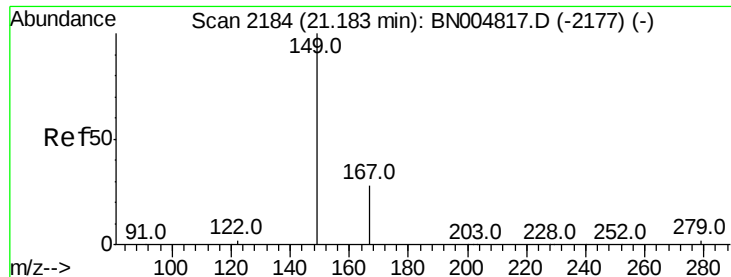


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

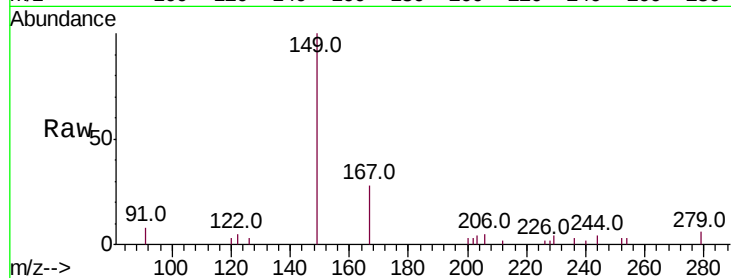
Tot Ion:149 Resp: 3462

Ion Ratio Lower Upper

149 100

167 27.0 23.0 34.4

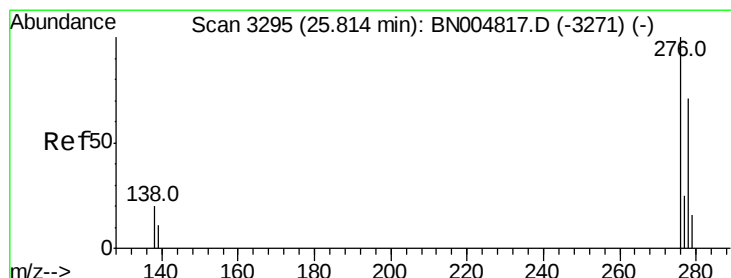
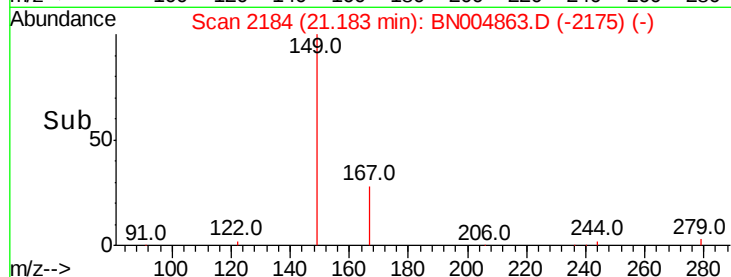
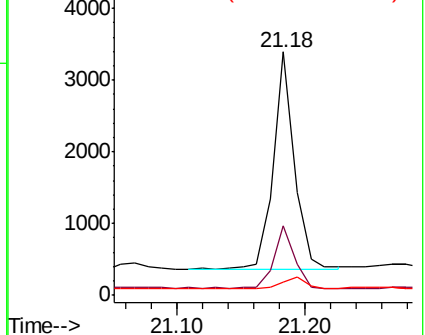
279 5.5 4.6 6.8



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: 0.063 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

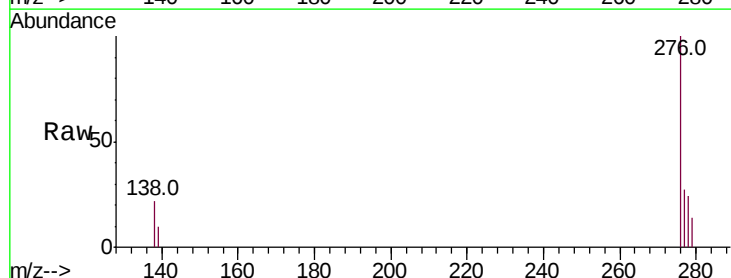
Tgt Ion:276 Resp: 6317

Ion Ratio Lower Upper

276 100

138 19.4 16.6 24.8

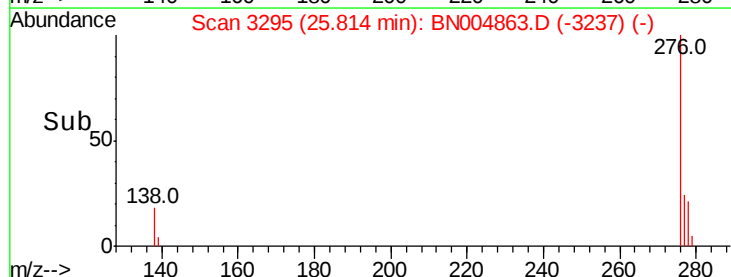
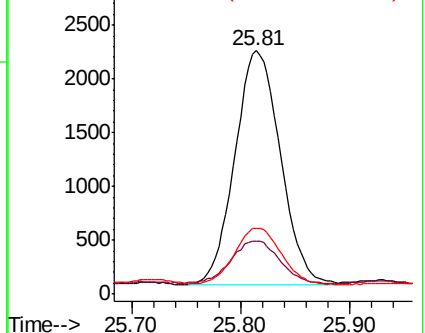
277 24.5 20.3 30.5

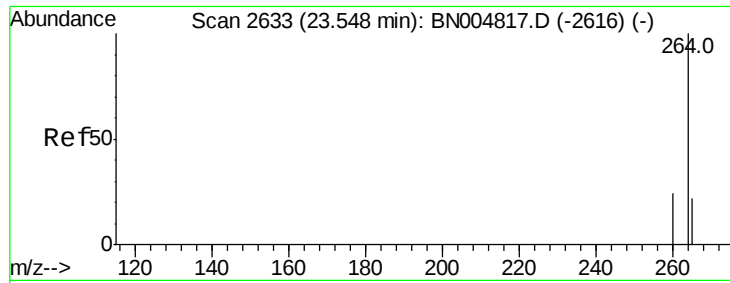


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



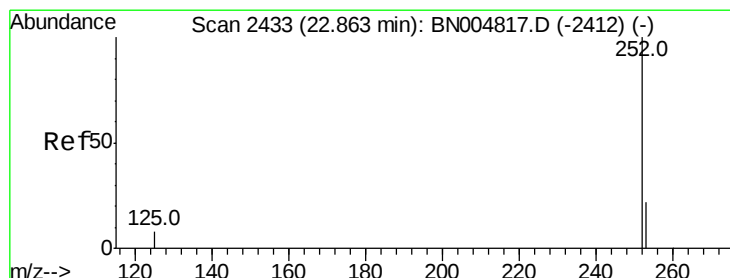
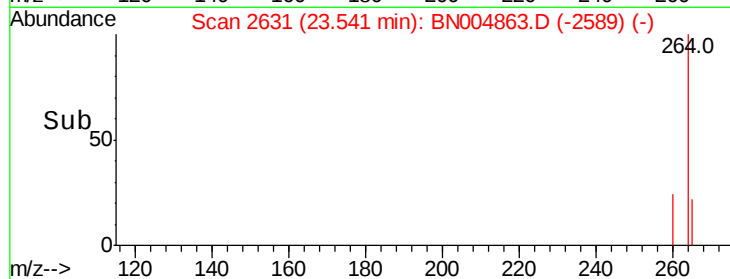
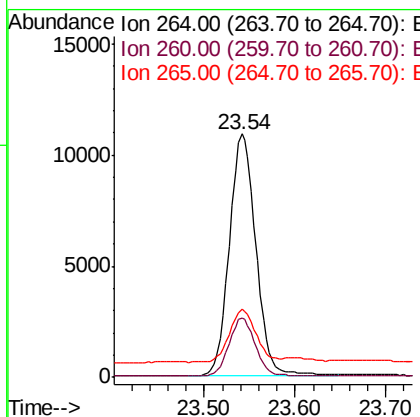
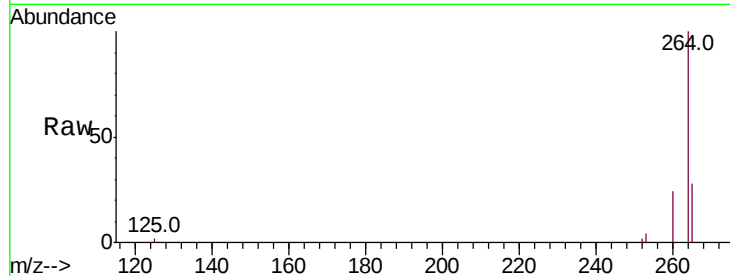


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion:264 Resp: 21918

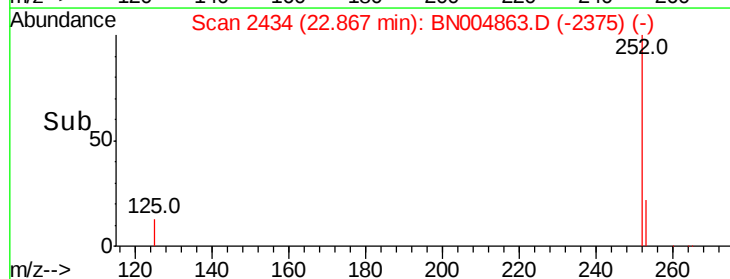
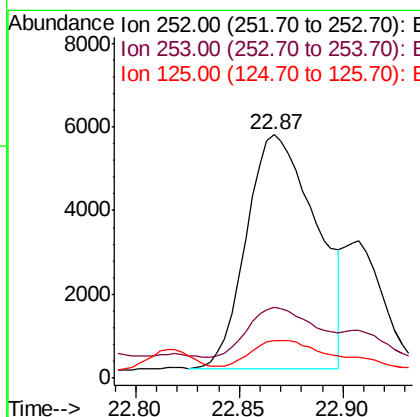
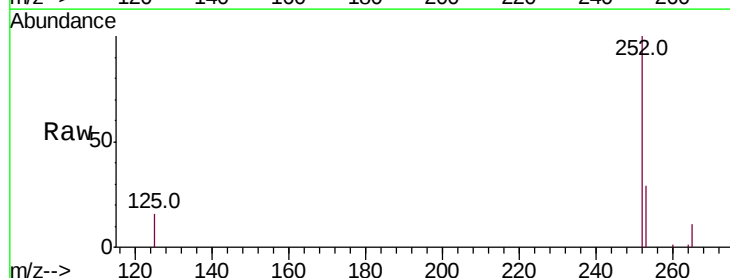
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.8	23.1	34.7

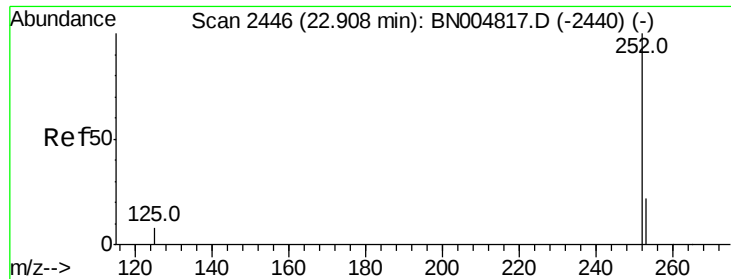


#35
Benzo(b)fluoranthene
Concen: 0.164 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion:252 Resp: 13012

Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.0	28.4#
125	15.6	7.4	11.2#

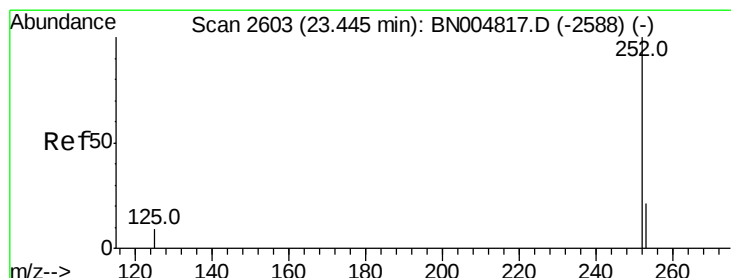
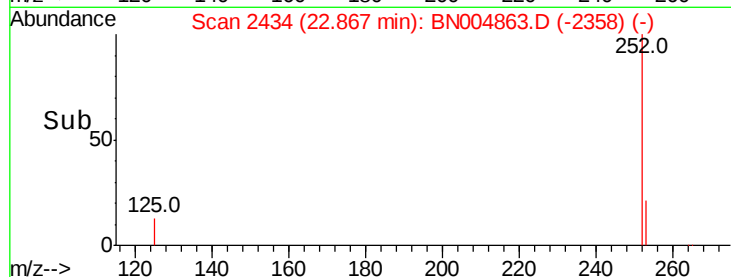
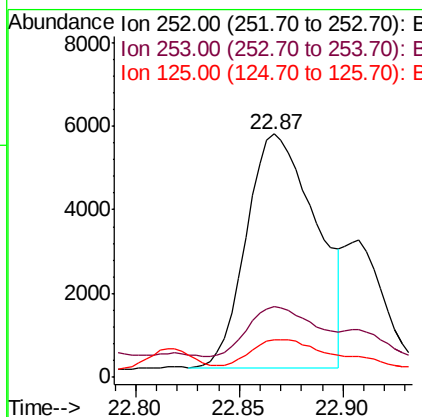
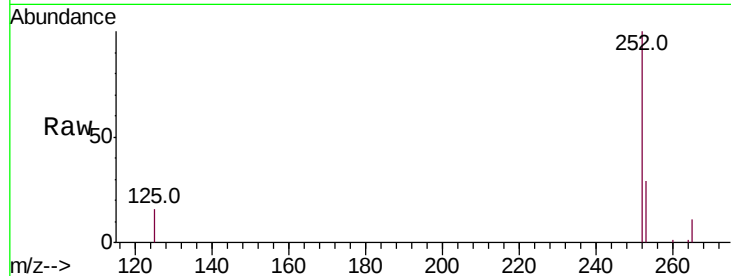




#36
Benzo(k)fluoranthene
Concen: 0.167 ng
RT: 22.87 min Scan# 2434
Delta R.T. -0.04 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

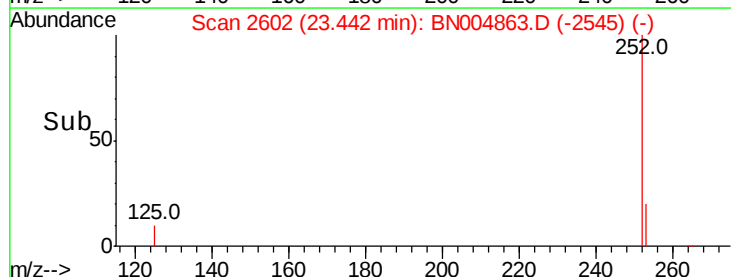
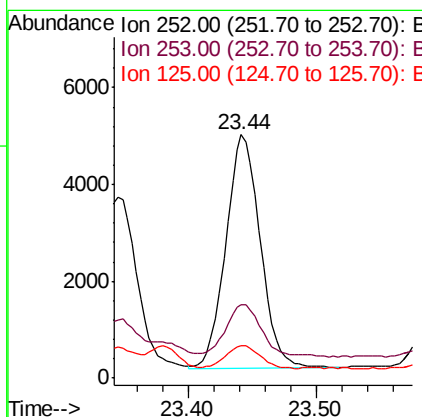
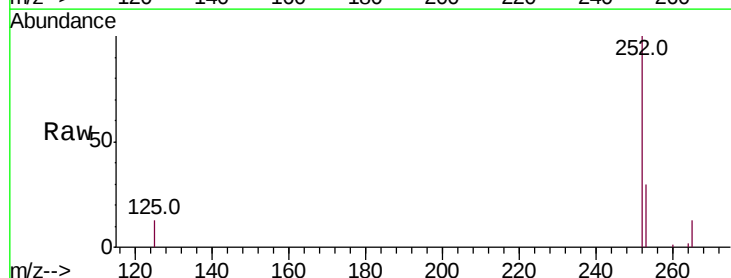
Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

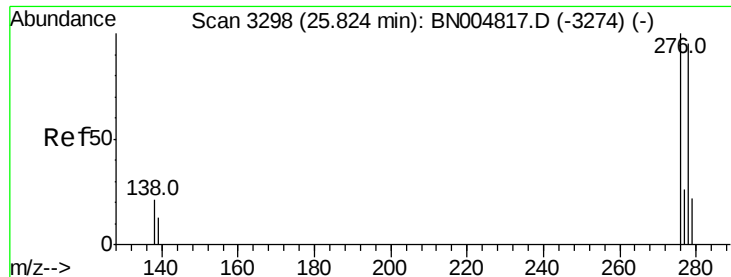
Tot Ion:252 Resp: 13012
Ion Ratio Lower Upper
252 100
253 28.9 19.3 28.9
125 15.6 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.123 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion:252 Resp: 8971
Ion Ratio Lower Upper
252 100
253 30.3 19.7 29.5#
125 13.1 8.3 12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.82 min Scan# 3298

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

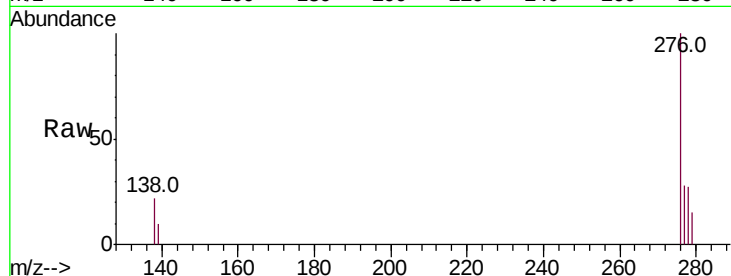
Tot Ion:278 Resp: 1740

Ion Ratio Lower Upper

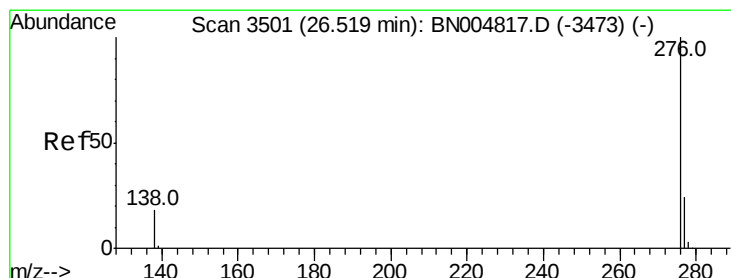
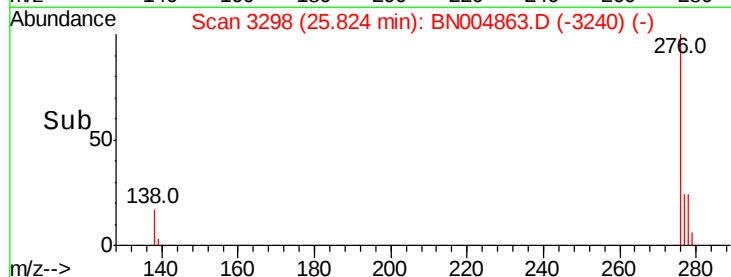
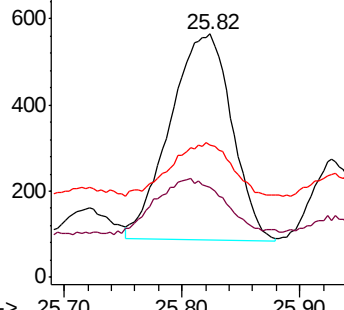
278 100

139 36.8 11.7 17.5#

279 54.2 19.9 29.9#



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: 0.074 ng

RT: 26.52 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

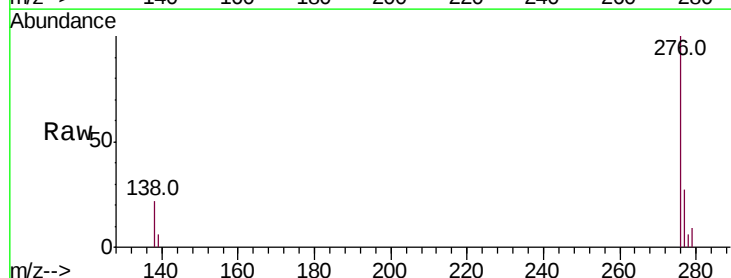
Tgt Ion:276 Resp: 6359

Ion Ratio Lower Upper

276 100

277 26.8 19.7 29.5

138 22.1 14.6 22.0#



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

