

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
 Data File : BN002210.D
 Acq On : 31 Jul 2018 14:30
 Operator : JU/SJ
 Sample : PB111543BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB111543BS

Quant Time: Jul 31 16:03:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4254	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	17124	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	8879	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	18147	0.40	ng	0.00
27) Chrysene-d12	21.27	240	11396	0.40	ng	0.00
34) Perylene-d12	23.50	264	8876	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	3189	0.32	ng	0.00
5) Phenol-d6	6.88	99	3782	0.31	ng	0.00
8) Nitrobenzene-d5	8.84	82	4474	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	8792	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	900	0.24	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	13007	0.38	ng	0.00
25) Fluoranthene-d10	19.10	212	13419	0.30	ng	0.00
29) Terphenyl-d14	19.71	244	8938	0.37	ng	0.00

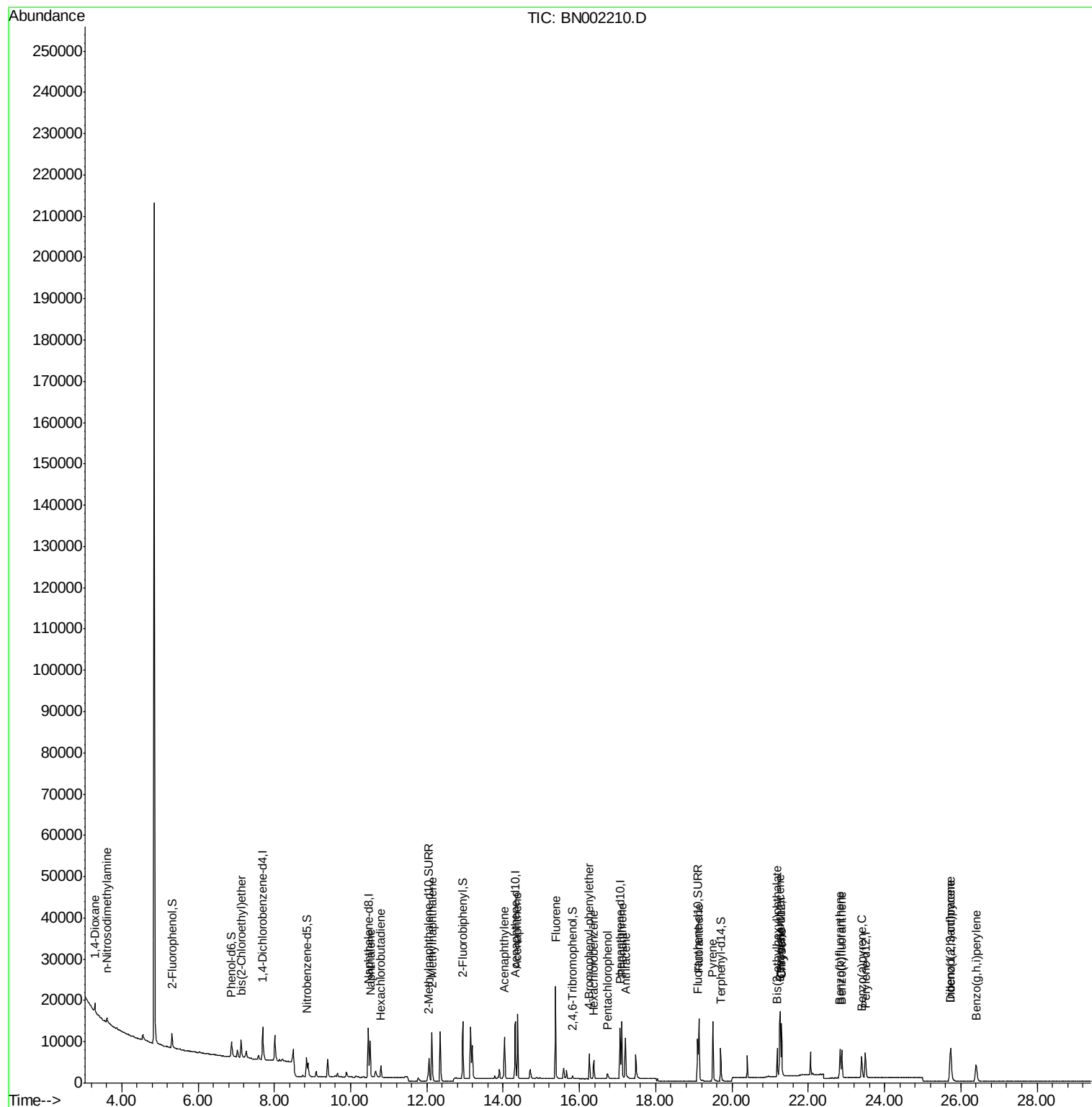
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	1145	0.239	ng	# 49
3) n-Nitrosodimethylamine	3.61	42	1162	0.381	ng	# 87
6) bis(2-Chloroethyl)ether	7.13	93	3737	0.322	ng	91
9) Naphthalene	10.52	128	13230	0.343	ng	96
10) Hexachlorobutadiene	10.80	225	2478	0.297	ng	# 55
12) 2-Methylnaphthalene	12.13	142	9056	0.347	ng	98
16) Acenaphthylene	14.03	152	12353	0.326	ng	100
17) Acenaphthene	14.38	154	8029	0.329	ng	97
18) Fluorene	15.37	166	9981	0.333	ng	# 80
20) 4-Bromophenyl-phenylether	16.26	248	3215	0.313	ng	# 79
21) Hexachlorobenzene	16.38	284	3594	0.316	ng	95
22) Pentachlorophenol	16.74	266	979	0.438	ng	93
23) Phenanthrene	17.11	178	15262	0.338	ng	99
24) Anthracene	17.21	178	12681	0.340	ng	96
26) Fluoranthene	19.14	202	14960	0.304	ng	# 97
28) Pyrene	19.50	202	14091	0.418	ng	99
30) Benzo(a)anthracene	21.25	228	10163	0.354	ng	97
31) Chrysene	21.30	228	10711	0.334	ng	100
32) Bis(2-ethylhexyl)phthalate	21.18	149	4706	0.359	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.73	276	10566	0.350	ng	# 94
35) Benzo(b)fluoranthene	22.83	252	9259	0.355	ng	# 92
36) Benzo(k)fluoranthene	22.88	252	9202	0.340	ng	# 91
37) Benzo(a)pyrene	23.40	252	8504	0.360	ng	# 93
38) Dibenzo(a,h)anthracene	25.74	278	8658	0.376	ng	95
39) Benzo(g,h,i)perylene	26.40	276	9330	0.397	ng	# 91

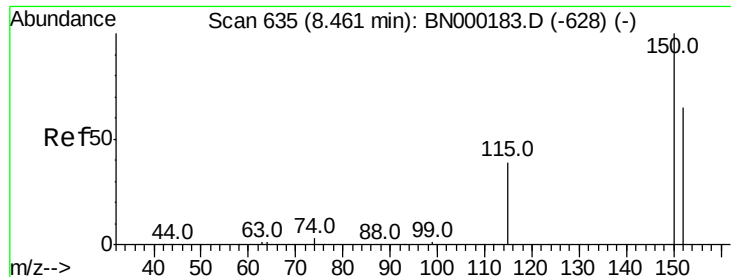
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 30 16:17:29 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

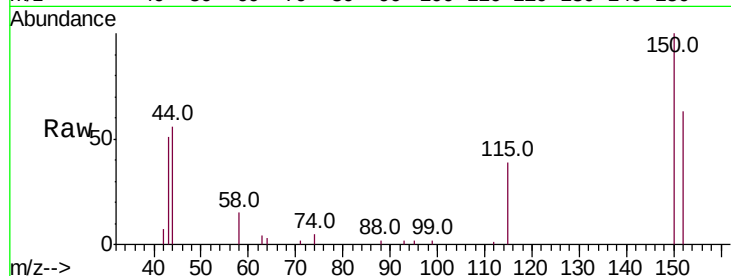
Tot Ion:152 Resp: 4254

Ion Ratio Lower Upper

152 100

150 159.3 117.2 175.8

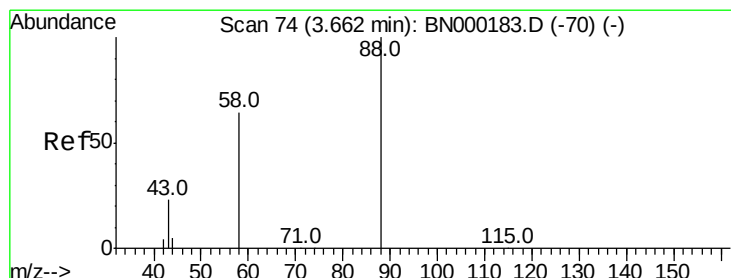
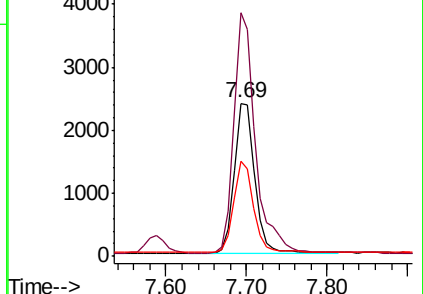
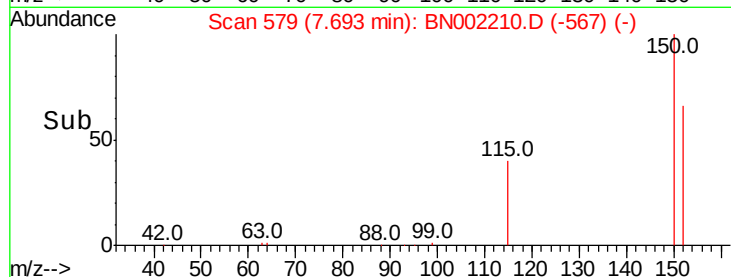
115 62.5 57.0 85.6



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: 0.239 ng

RT: 3.30 min Scan# 33

Delta R.T. 0.01 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

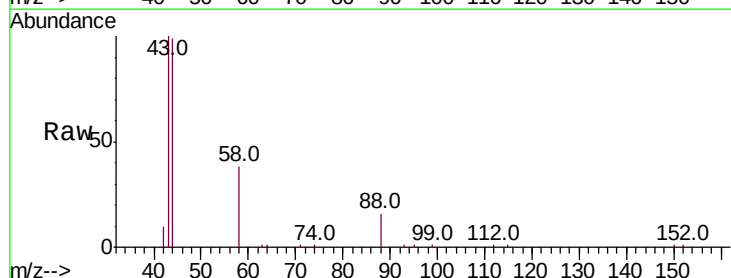
Tgt Ion: 88 Resp: 1145

Ion Ratio Lower Upper

88 100

58 113.3 72.0 108.0#

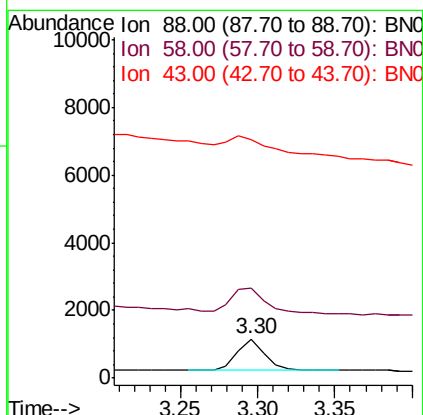
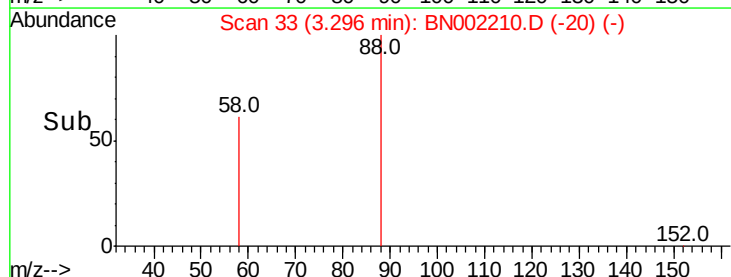
43 104.5 28.0 42.0#

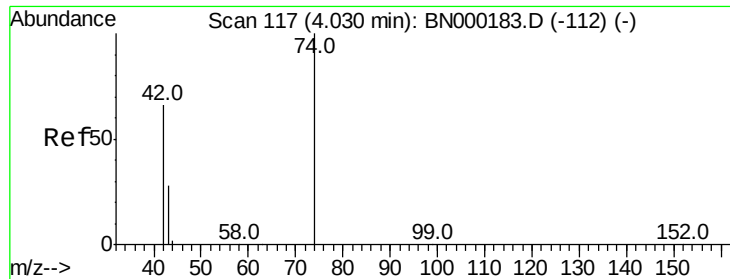


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



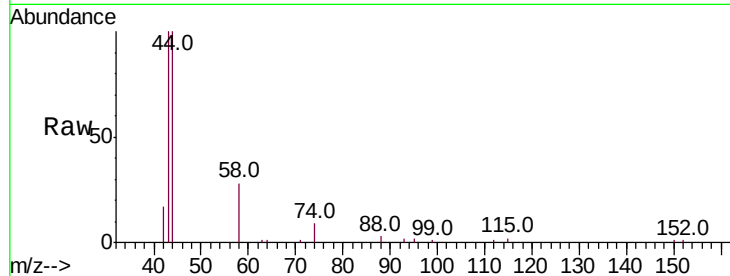


#3

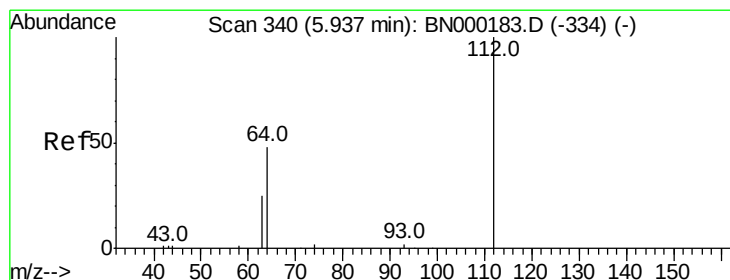
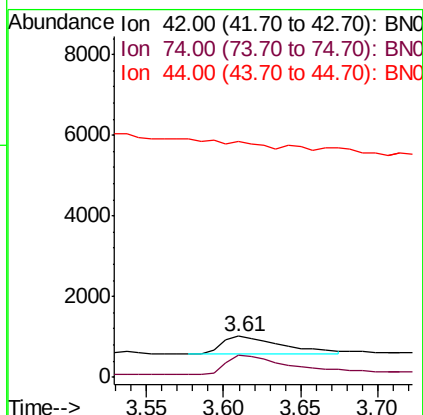
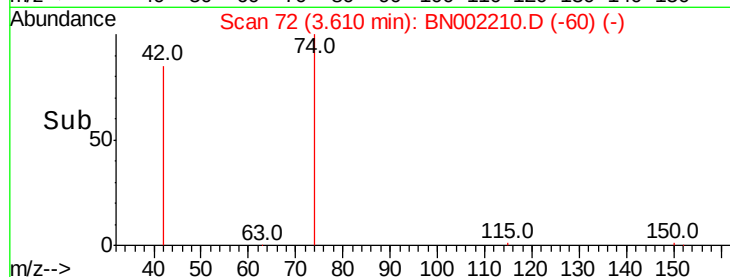
n-Nitrosodimethylamine
 Concen: 0.381 ng
 RT: 3.61 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

Instrument :
 BNA_N
 ClientSampleId :
 PB111543BS

Tot Ion: 42 Resp: 1162
 Ion Ratio Lower Upper
 42 100
 74 117.8 88.0 132.0
 44 0.0 16.0 24.0#



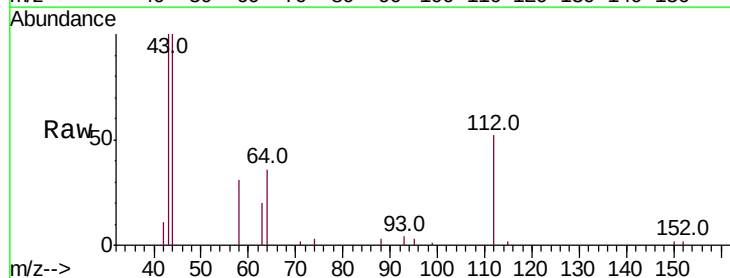
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



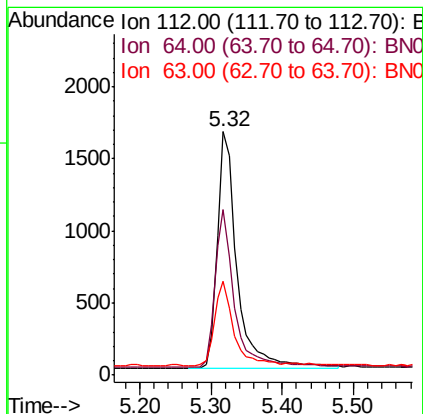
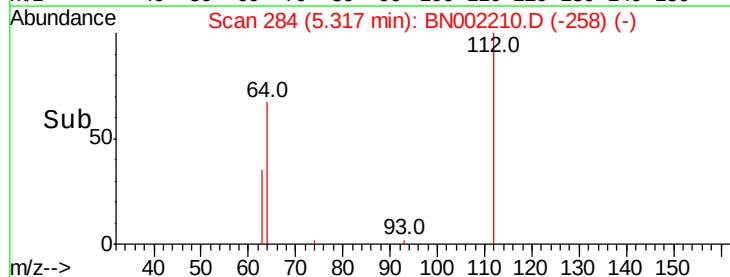
#4

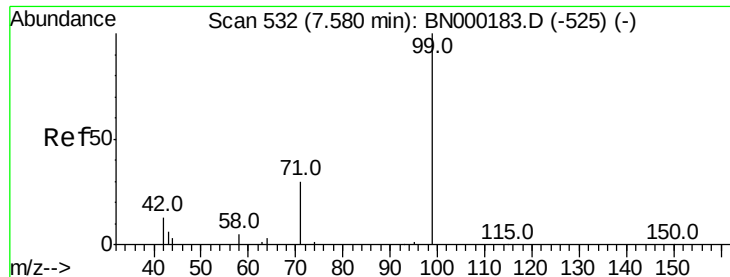
2-Fluorophenol
 Concen: 0.321 ng
 RT: 5.32 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

Tgt Ion: 112 Resp: 3189
 Ion Ratio Lower Upper
 112 100
 64 65.3 60.1 90.1
 63 34.2 116.8 175.2#



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





#5

Phenol-d6

Concen: 0.313 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

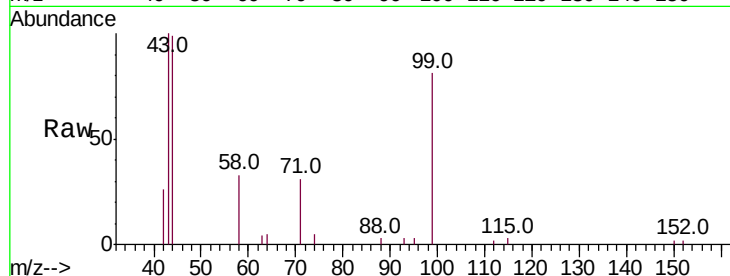
Tot Ion: 99 Resp: 3782

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

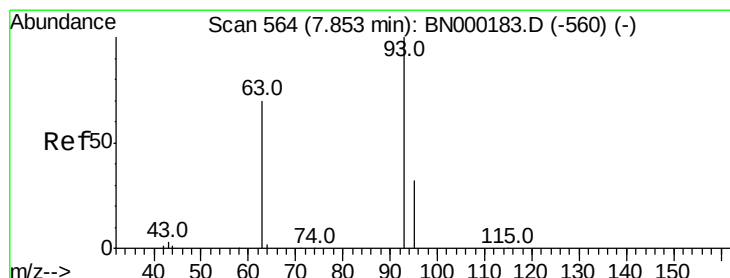
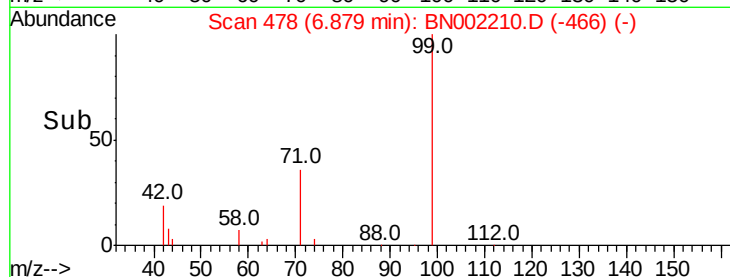
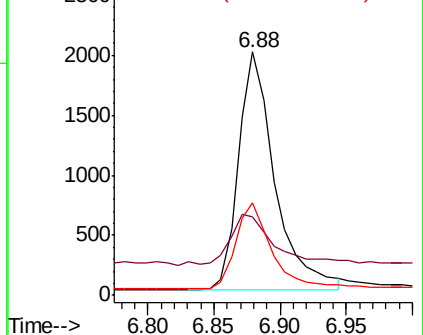
71 36.0 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.322 ng

RT: 7.13 min Scan# 509

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

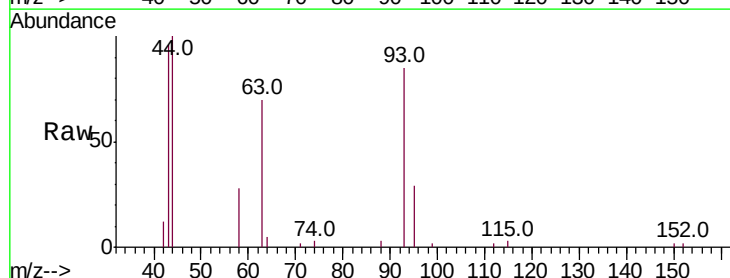
Tgt Ion: 93 Resp: 3737

Ion Ratio Lower Upper

93 100

63 80.0 56.0 84.0

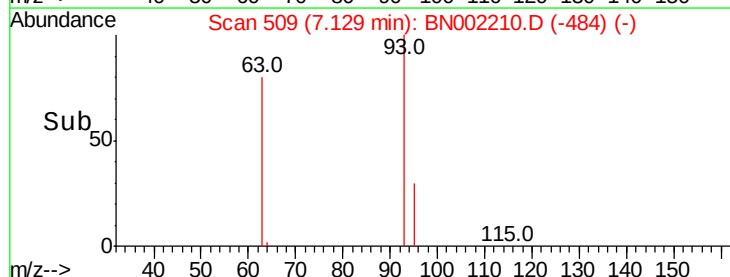
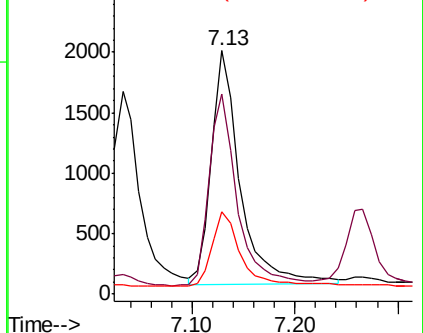
95 33.3 25.2 37.8

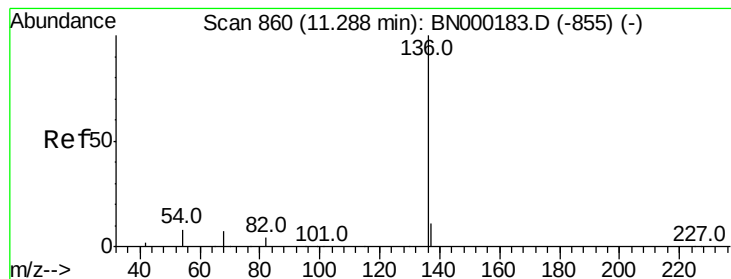


Abundance Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

Tot Ion:136 Resp: 17124

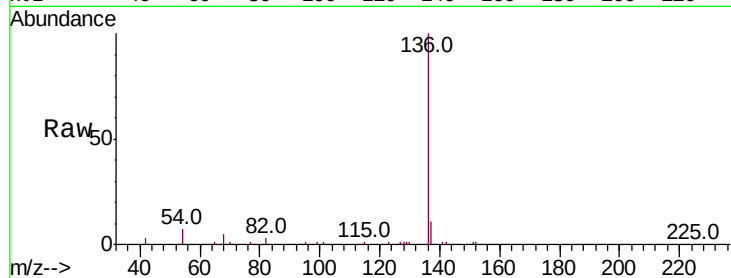
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 7.0 29.1 43.7#

68 4.8 6.2 9.2#

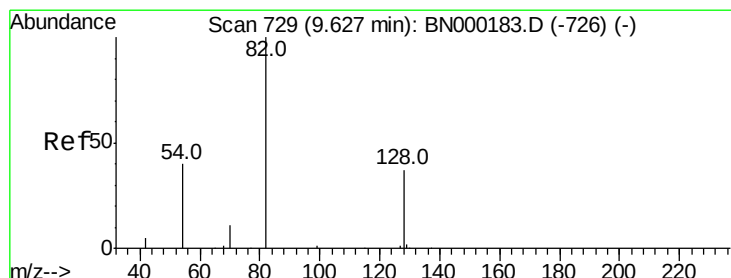
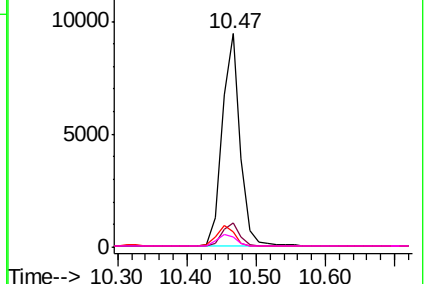
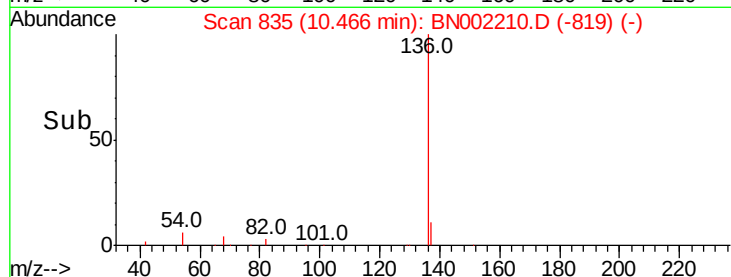


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.347 ng

RT: 8.84 min Scan# 707

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

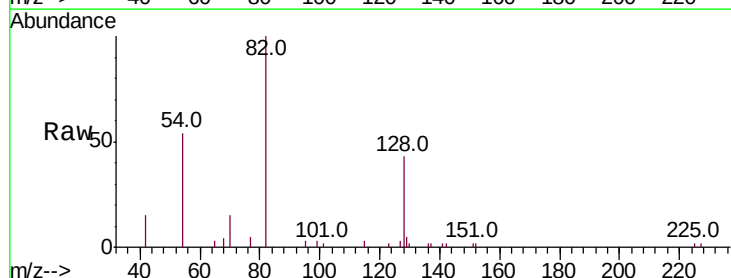
Tgt Ion: 82 Resp: 4474

Ion Ratio Lower Upper

82 100

128 42.6 150.0 225.0#

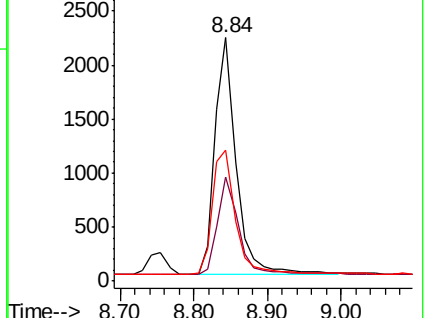
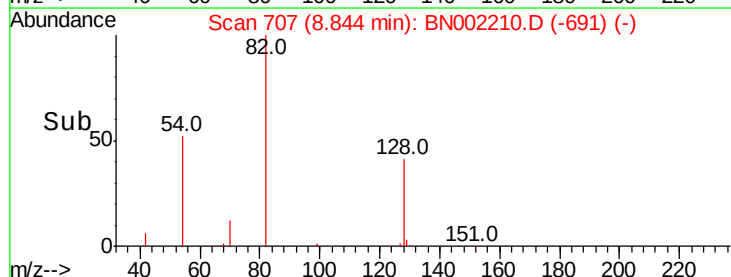
54 53.6 154.2 231.4#

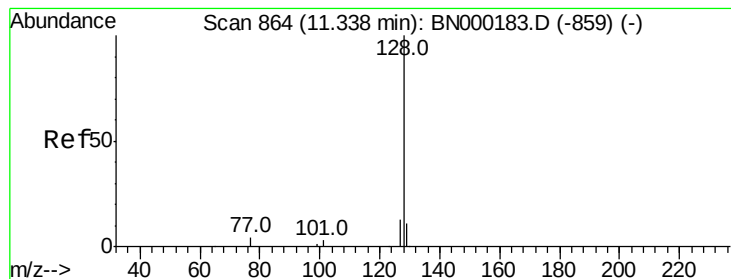


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.343 ng

RT: 10.52 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

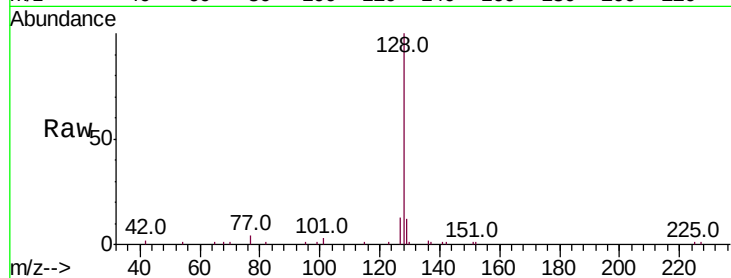
Tot Ion:128 Resp: 13230

Ion Ratio Lower Upper

128 100

129 11.9 8.0 12.0

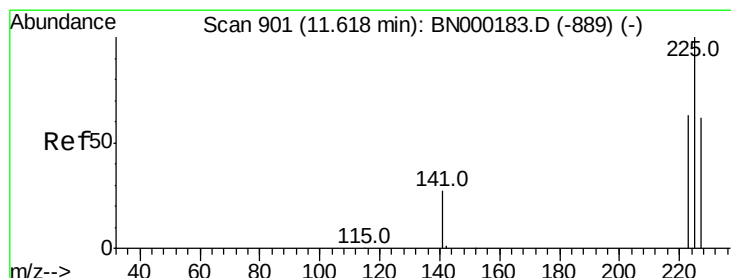
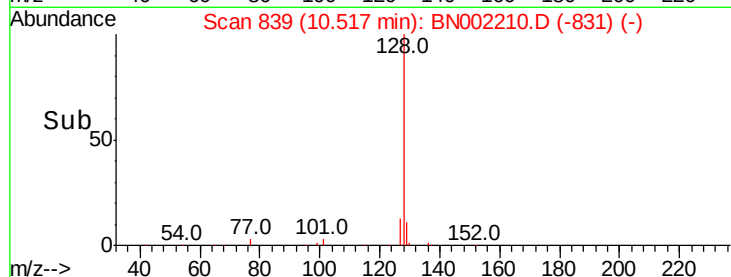
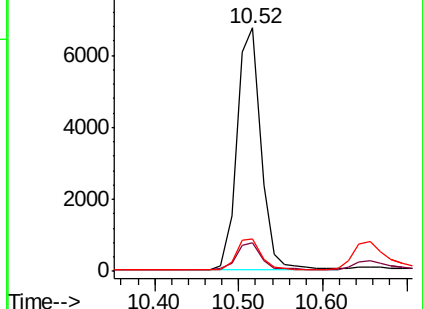
127 13.3 9.6 14.4



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: 0.297 ng

RT: 10.80 min Scan# 861

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

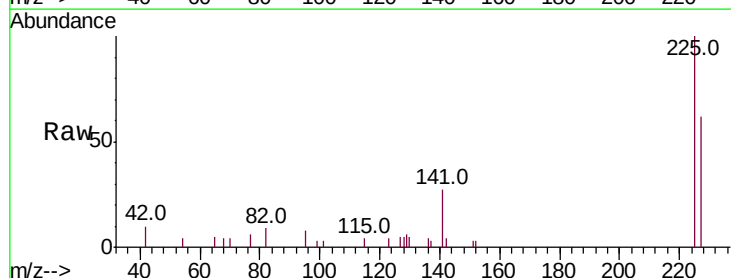
Tgt Ion:225 Resp: 2478

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

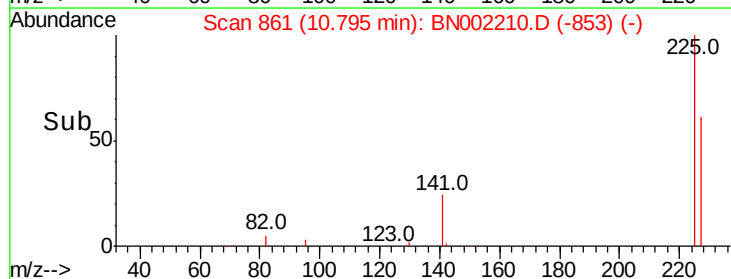
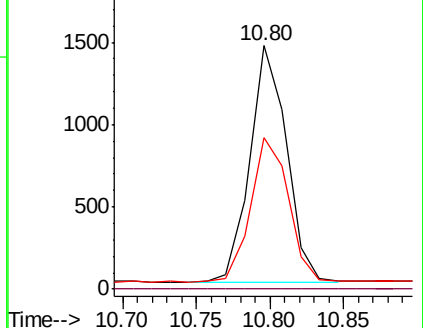
227 63.2 48.0 72.0

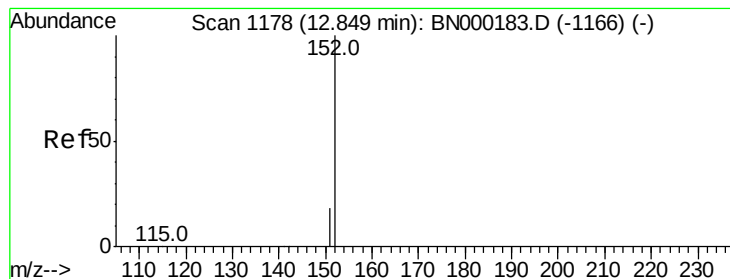


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.349 ng

RT: 12.06 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

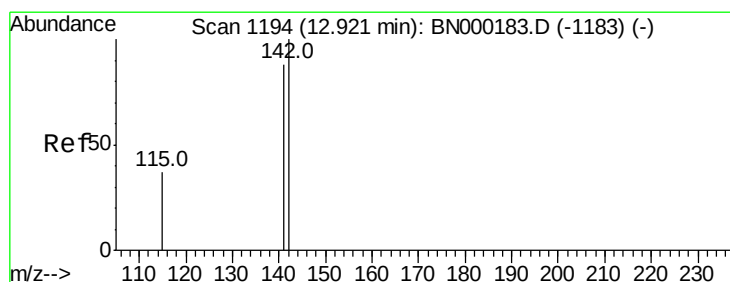
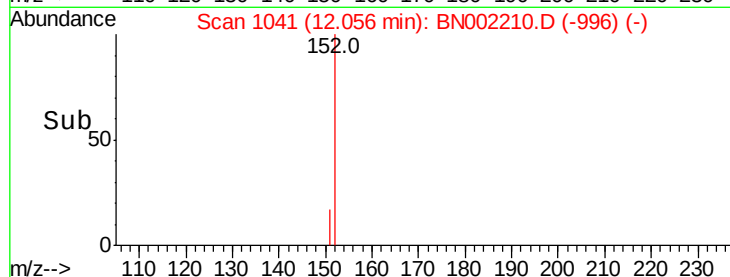
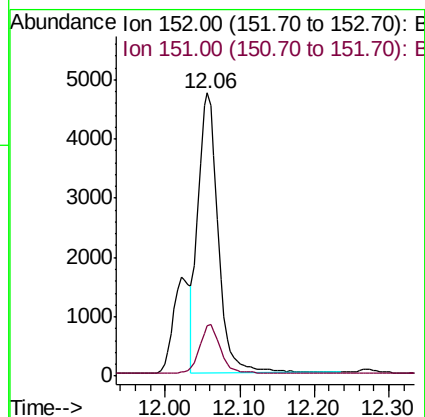
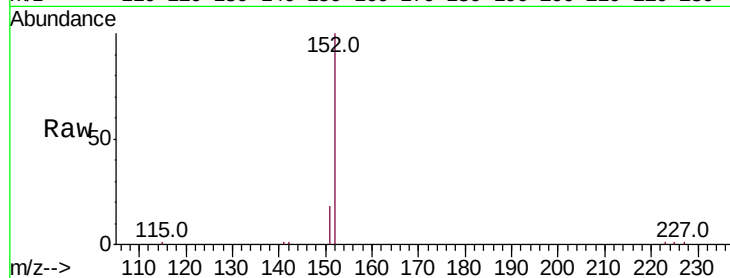
PB111543BS

Tot Ion:152 Resp: 8792

Ion Ratio Lower Upper

152 100

151 18.2 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.347 ng

RT: 12.13 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

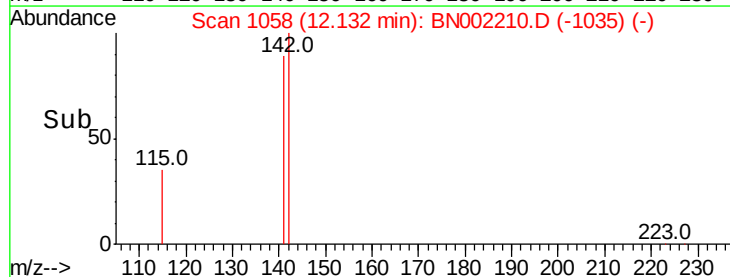
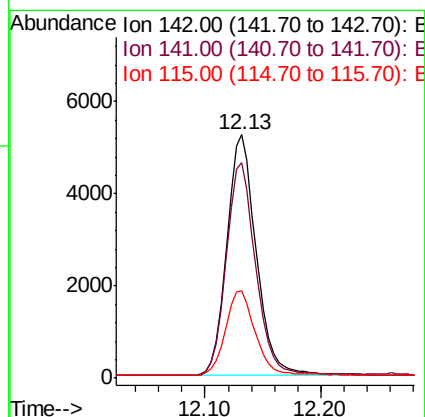
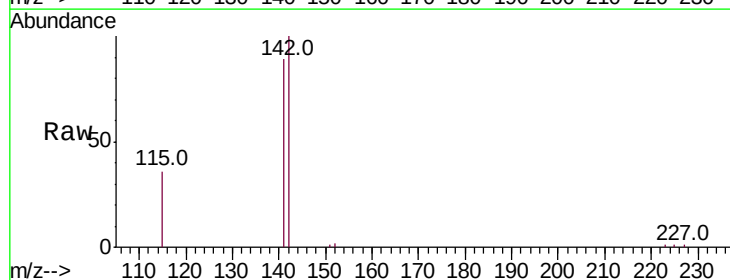
Tgt Ion:142 Resp: 9056

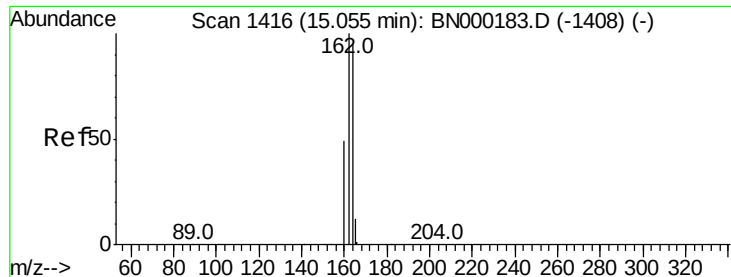
Ion Ratio Lower Upper

142 100

141 88.8 70.4 105.6

115 36.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

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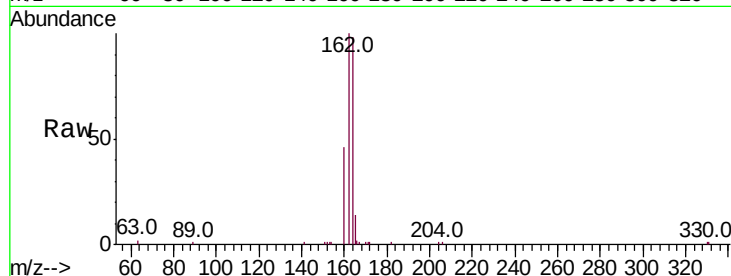
Tot Ion:164 Resp: 8879

Ion Ratio Lower Upper

164 100

162 101.5 83.1 124.7

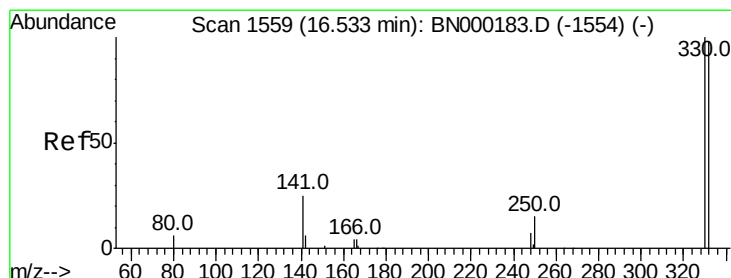
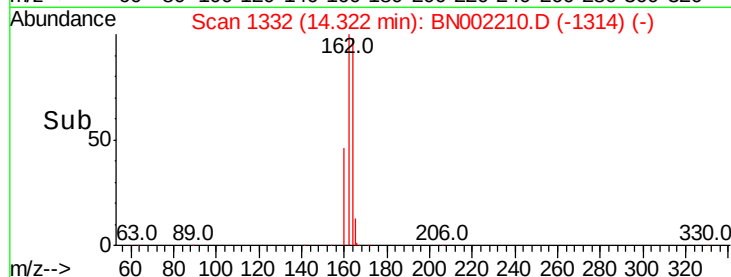
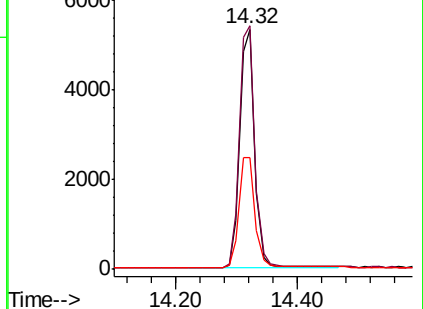
160 46.8 37.1 55.7



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: 0.237 ng

RT: 15.83 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

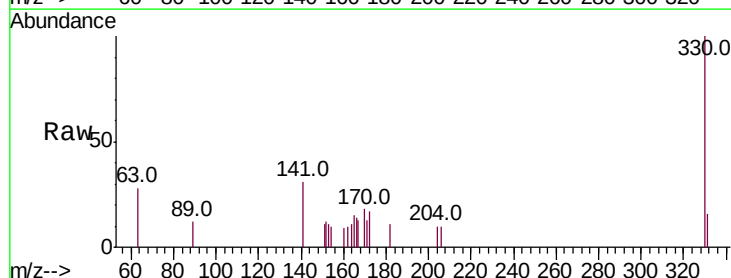
Tgt Ion:330 Resp: 900

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

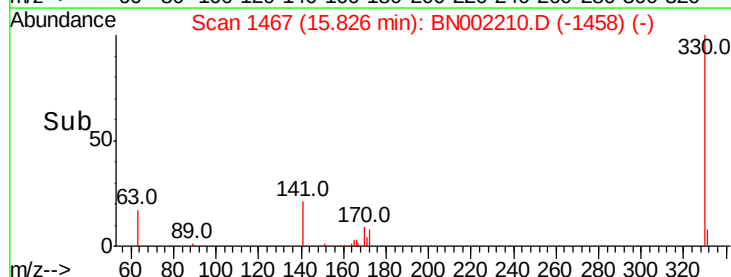
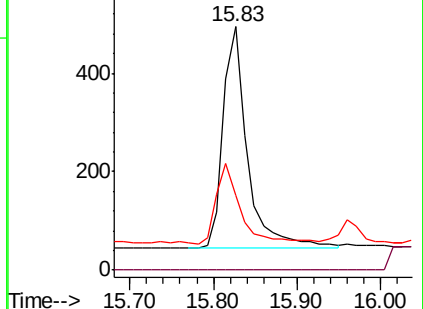
141 34.2 33.7 50.5

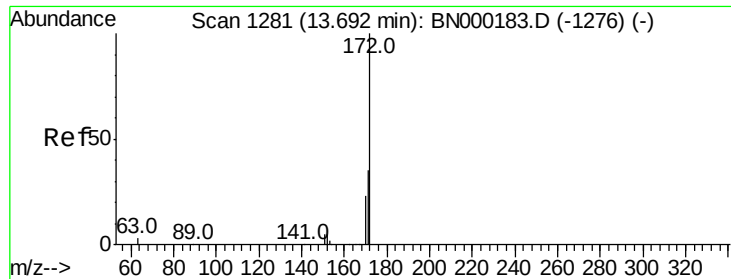


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

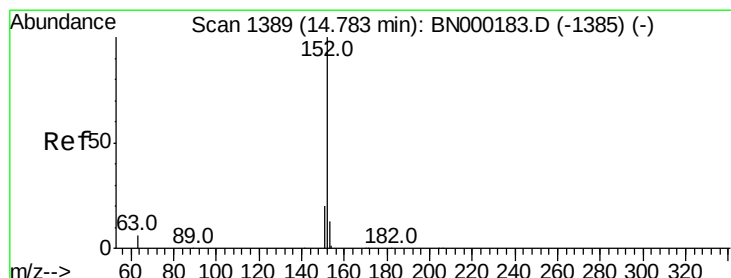
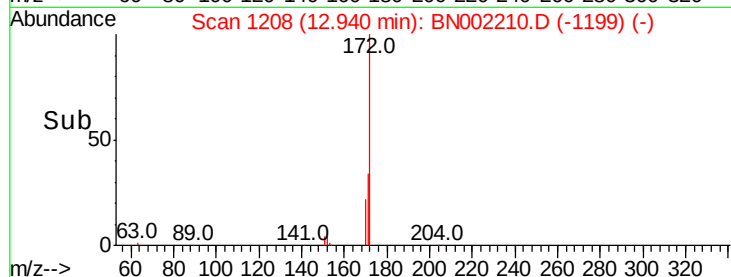
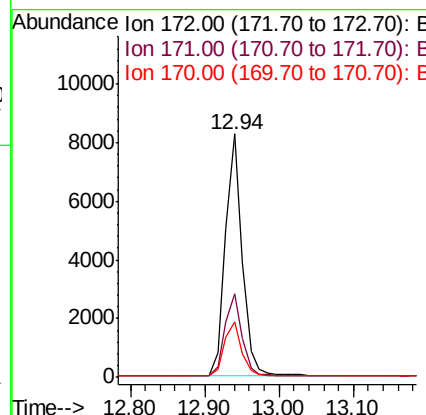
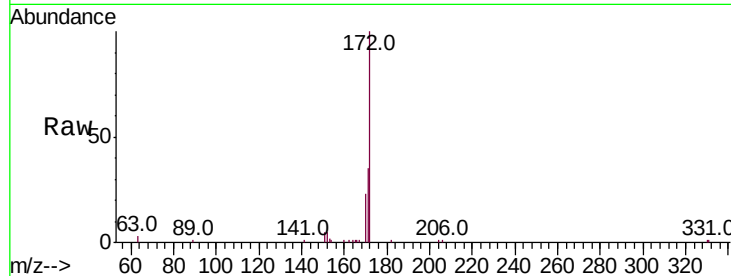




#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.94 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BN002210.D
Acq: 31 Jul 2018 14:30

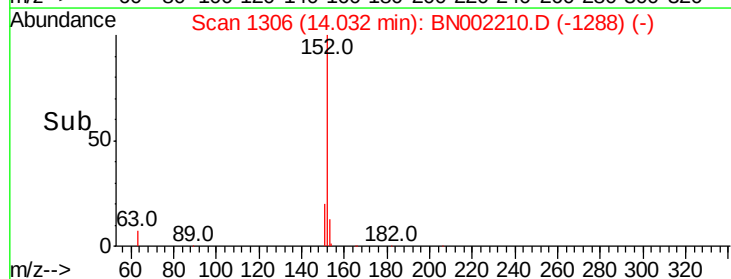
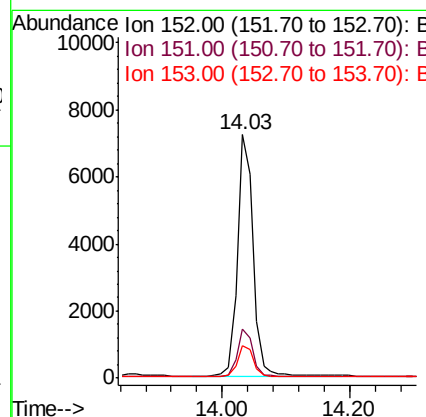
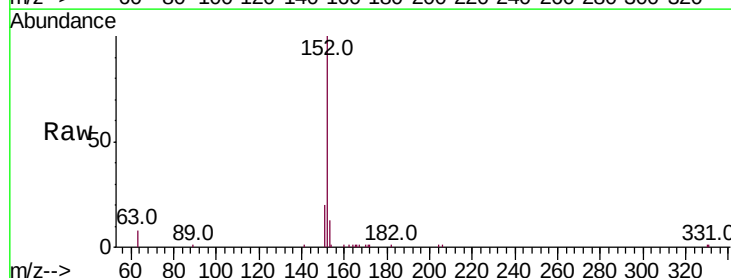
Instrument :
BNA_N
ClientSampleId :
PB111543BS

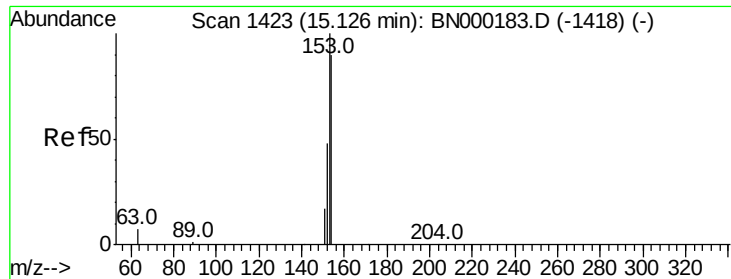
Tot Ion:172 Resp: 13007
Ion Ratio Lower Upper
172 100
171 34.6 29.9 44.9
170 22.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.326 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BN002210.D
Acq: 31 Jul 2018 14:30

Tgt Ion:152 Resp: 12353
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.329 ng

RT: 14.38 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

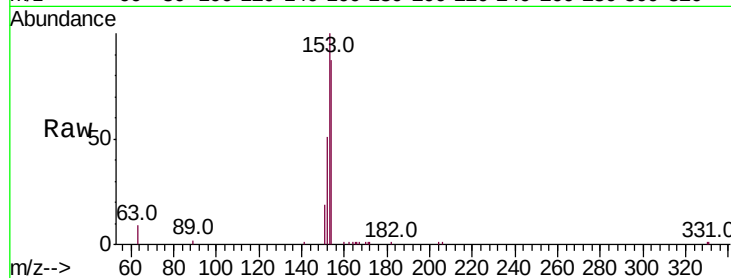
Tot Ion:154 Resp: 8029

Ion Ratio Lower Upper

154 100

153 113.4 89.2 133.8

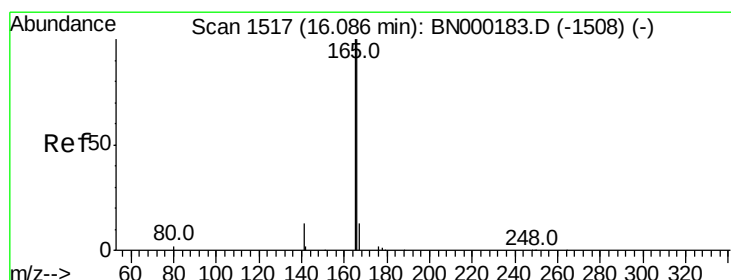
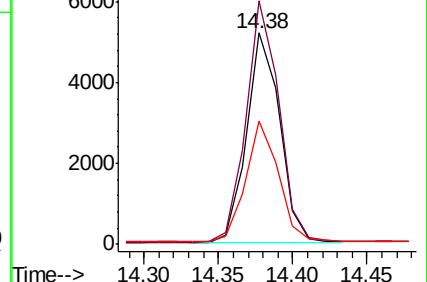
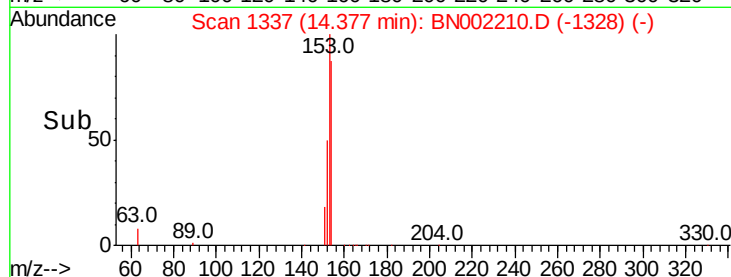
152 56.5 42.0 63.0



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: 0.333 ng

RT: 15.37 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

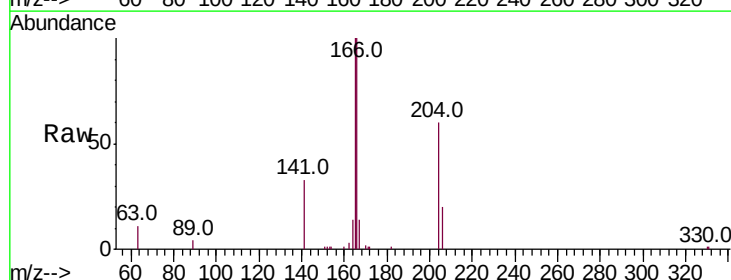
Tgt Ion:166 Resp: 9981

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.6

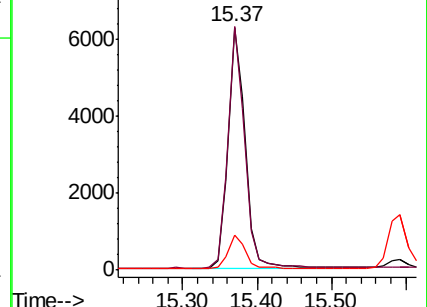
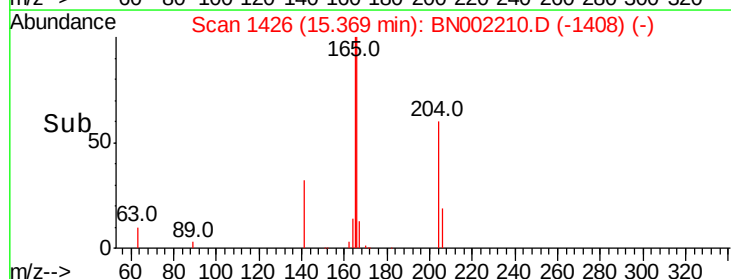
167 13.7 42.4 63.6#

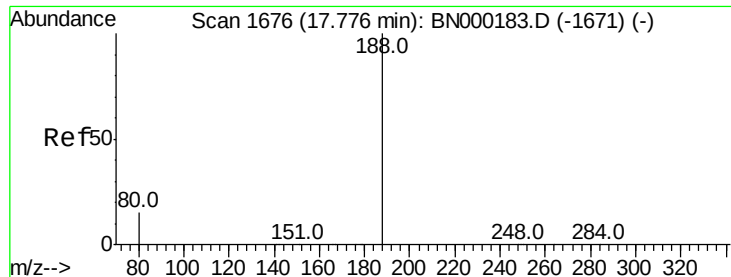


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

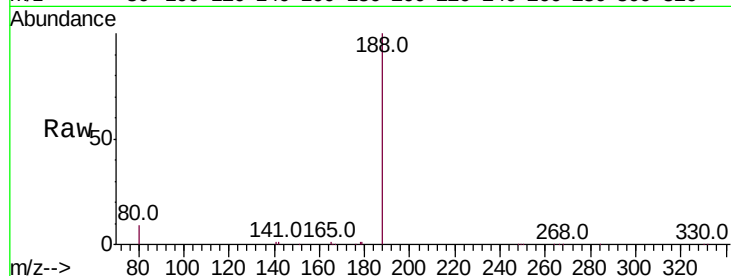
Tot Ion:188 Resp: 18147

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

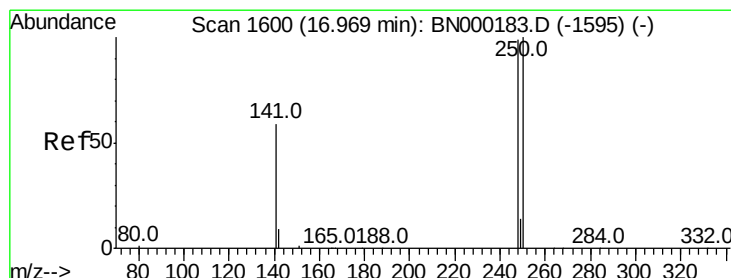
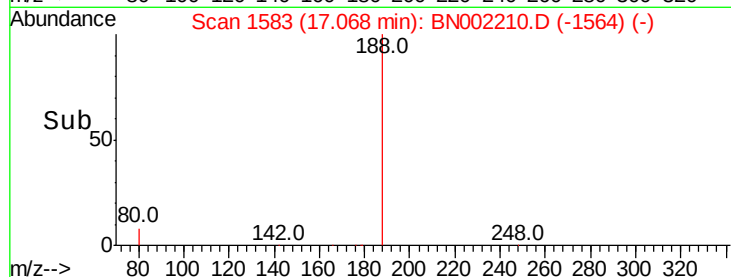
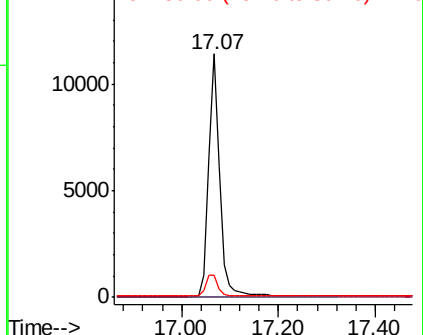
80 9.0 3.6 5.4#



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: 0.313 ng

RT: 16.26 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

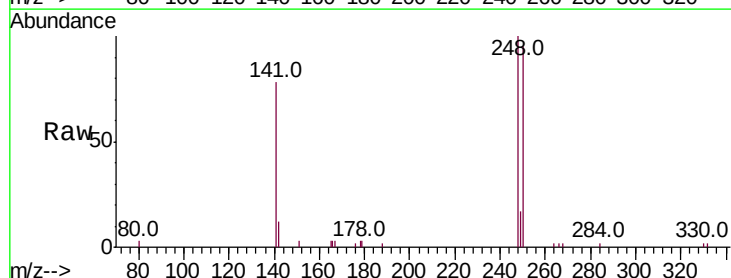
Tgt Ion:248 Resp: 3215

Ion Ratio Lower Upper

248 100

250 94.6 62.7 94.1#

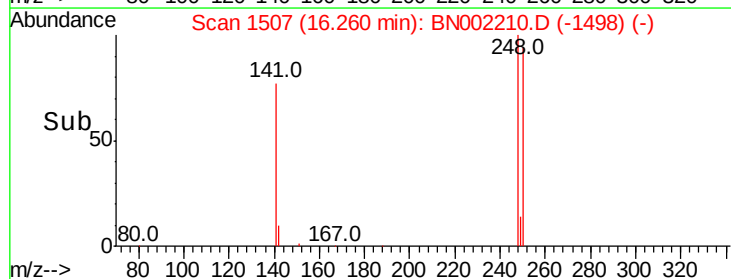
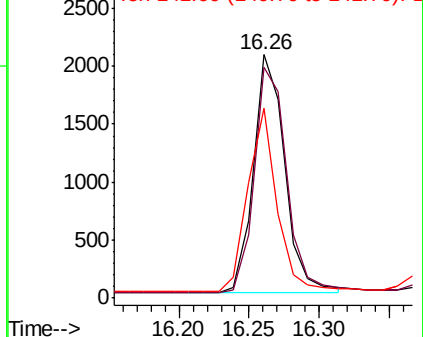
141 77.8 48.2 72.2#

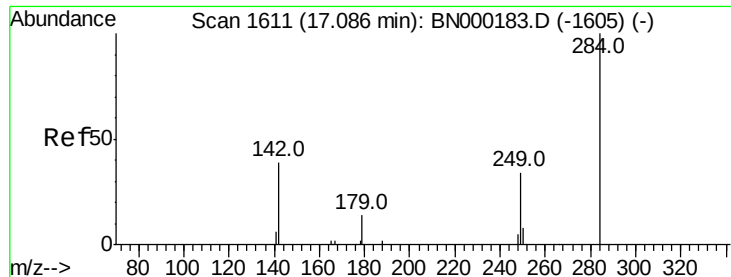


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

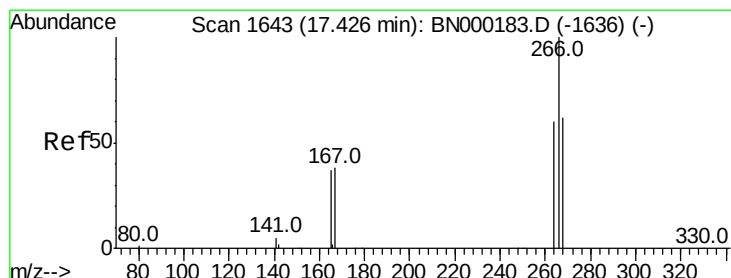
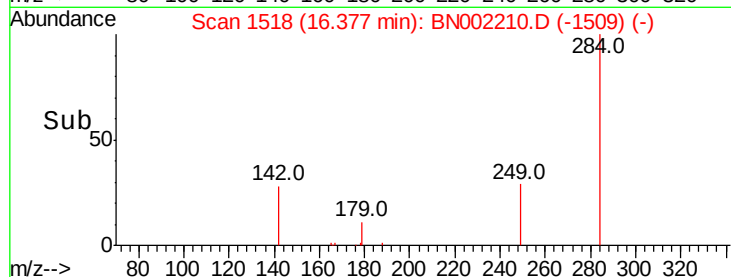
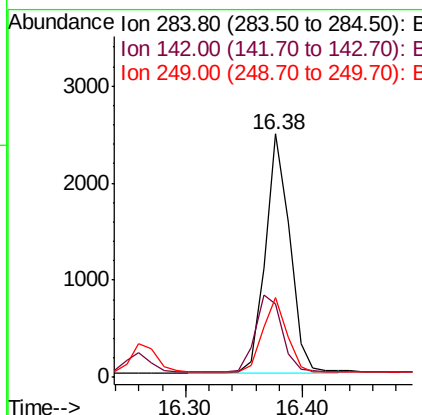
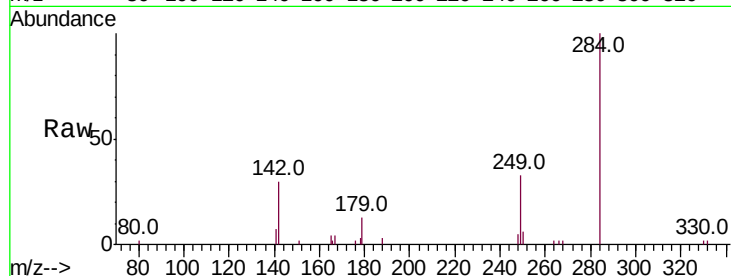




#21
Hexachlorobenzene
Concen: 0.316 ng
RT: 16.38 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BN002210.D
Acq: 31 Jul 2018 14:30

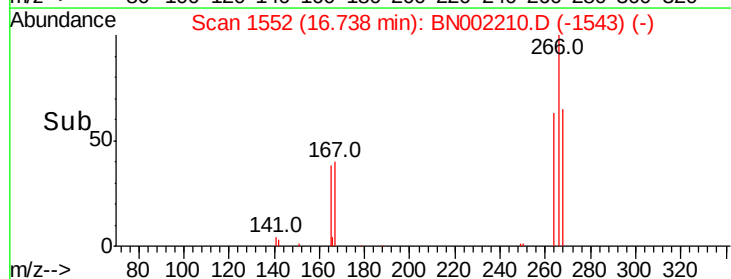
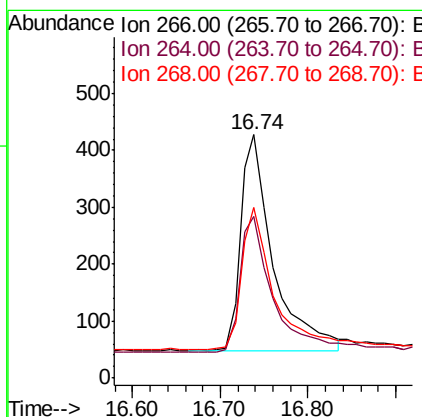
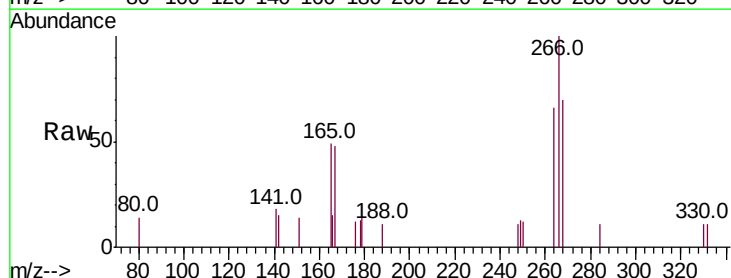
Instrument :
BNA_N
ClientSampleId :
PB111543BS

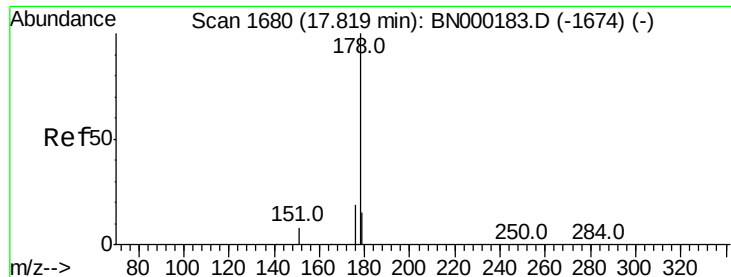
Tot Ion:284	Resp: 3594
Ion Ratio	Lower Upper
284 100	
142 35.5	32.0 48.0
249 30.7	24.0 36.0



#22
Pentachlorophenol
Concen: 0.438 ng
RT: 16.74 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BN002210.D
Acq: 31 Jul 2018 14:30

Tgt	Ion:266	Resp:	979
Ion	Ratio	Lower	Upper
266	100		
264	66.1	48.0	72.0
268	70.1	52.0	78.0





#23

Phenanthrene

Concen: 0.338 ng

RT: 17.11 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

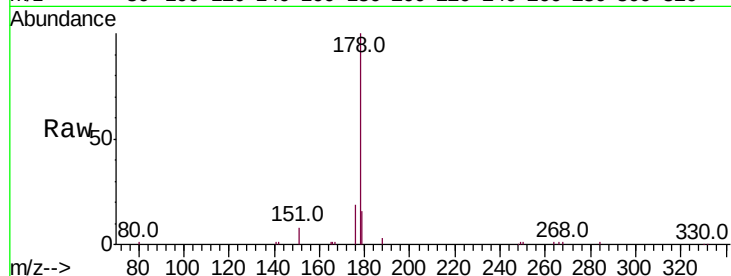
Tot Ion:178 Resp: 15262

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

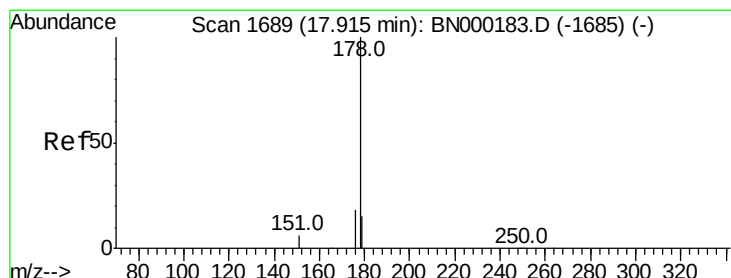
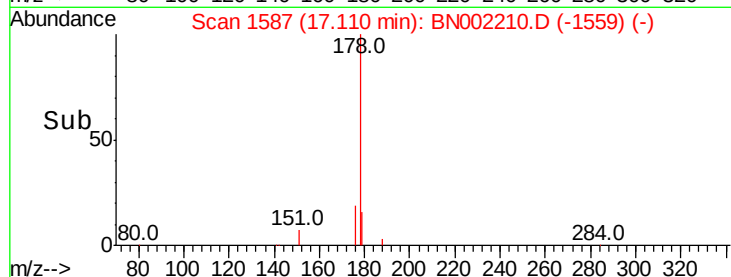
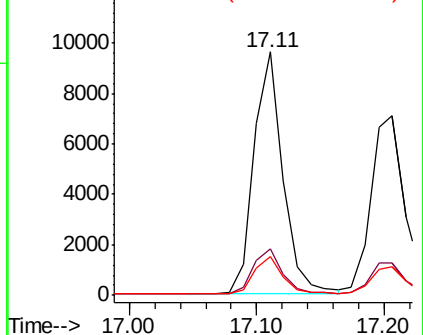
179 15.5 11.8 17.6



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: 0.340 ng

RT: 17.21 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

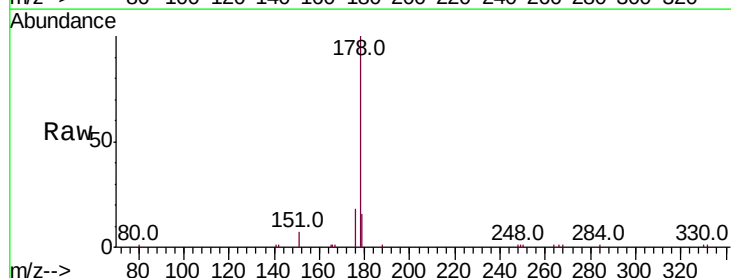
Tgt Ion:178 Resp: 12681

Ion Ratio Lower Upper

178 100

176 18.1 12.8 19.2

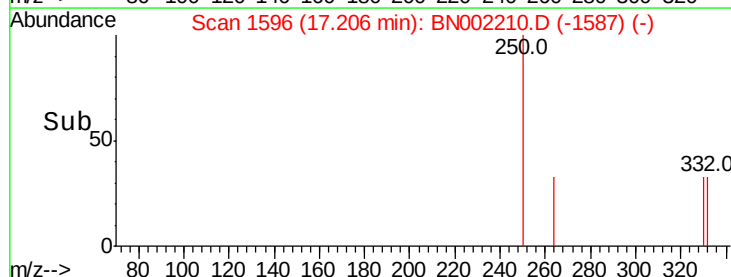
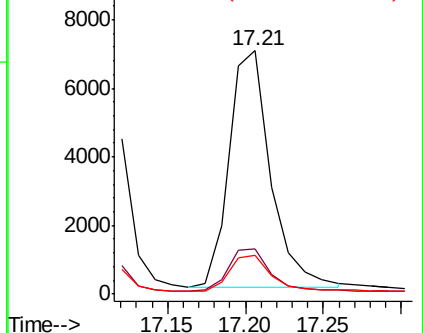
179 15.2 13.0 19.6

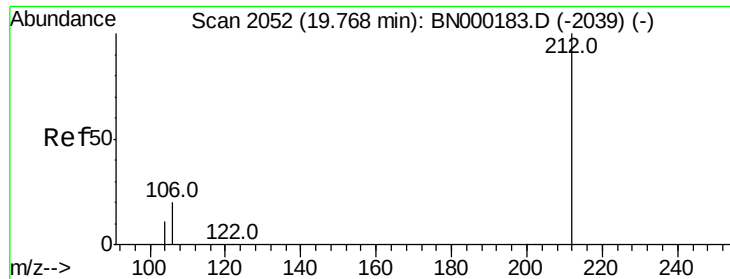


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

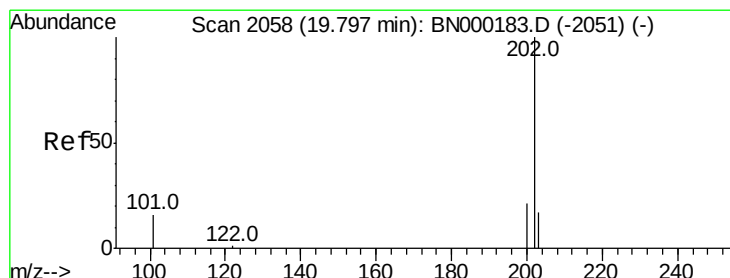
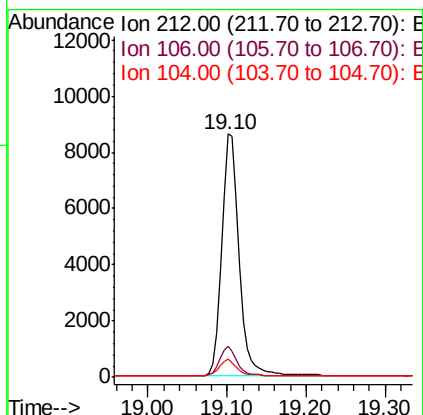
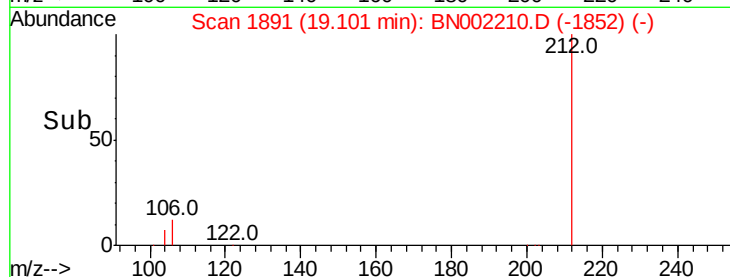
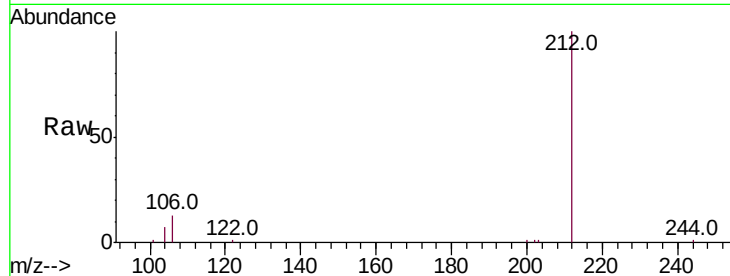




#25
 Fluoranthene-d10
 Concen: 0.299 ng
 RT: 19.10 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

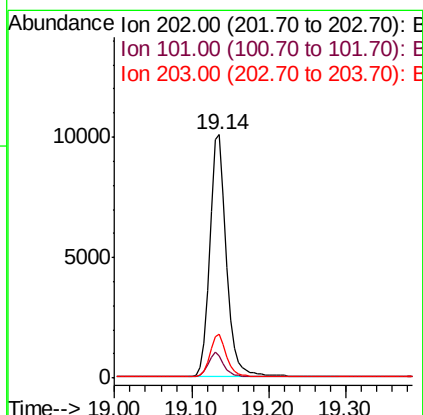
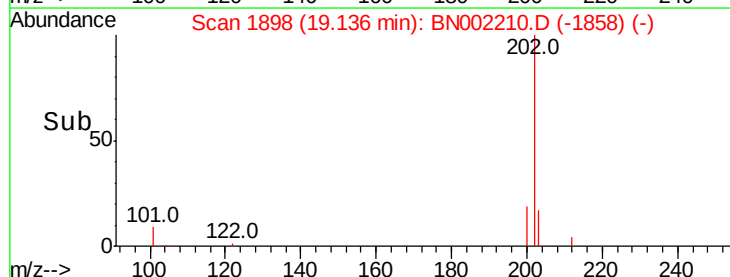
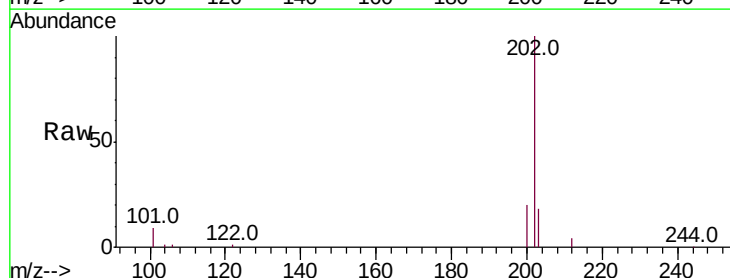
Instrument :
 BNA_N
 ClientSampleId :
 PB111543BS

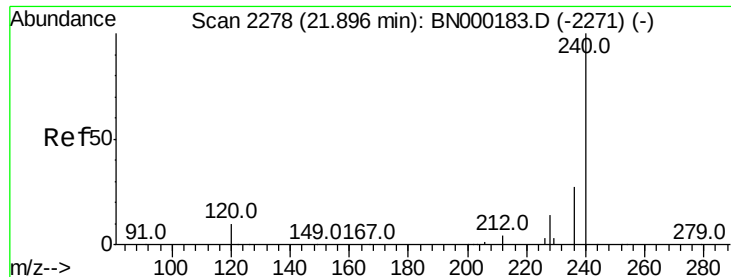
Tot Ion:212 Resp: 13419
 Ion Ratio Lower Upper
 212 100
 106 11.9 2.8 4.2#
 104 6.6 1.6 2.4#



#26
 Fluoranthene
 Concen: 0.304 ng
 RT: 19.14 min Scan# 1898
 Delta R.T. 0.00 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

Tgt Ion:202 Resp: 14960
 Ion Ratio Lower Upper
 202 100
 101 9.6 9.8 14.8#
 203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

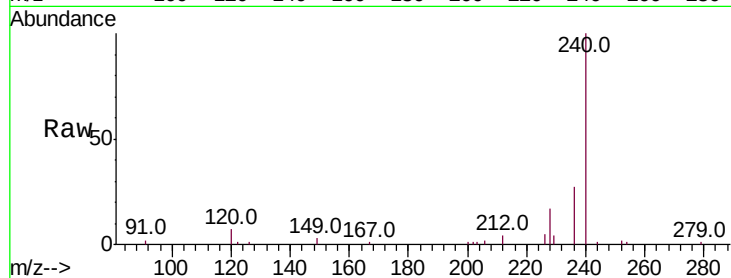
Tot Ion:240 Resp: 11396

Ion Ratio Lower Upper

240 100

120 7.4 5.5 8.3

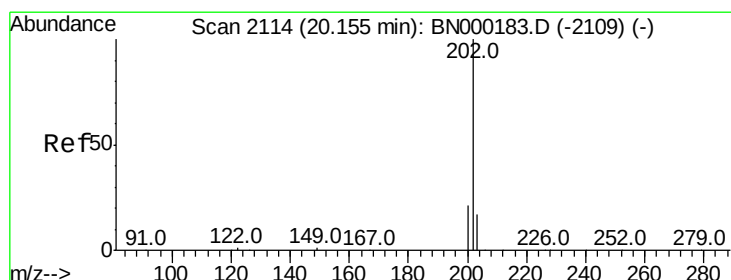
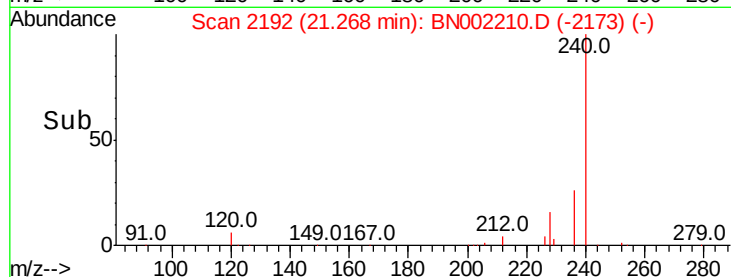
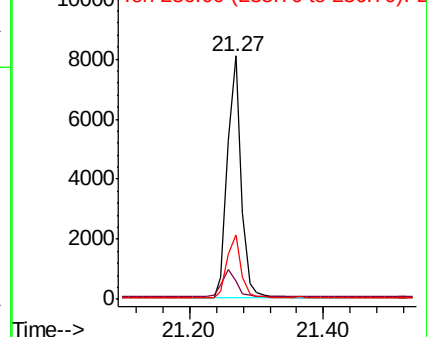
236 26.6 20.7 31.1



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: 0.418 ng

RT: 19.50 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

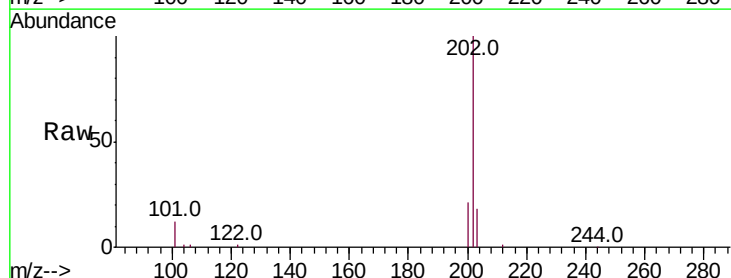
Tgt Ion:202 Resp: 14091

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

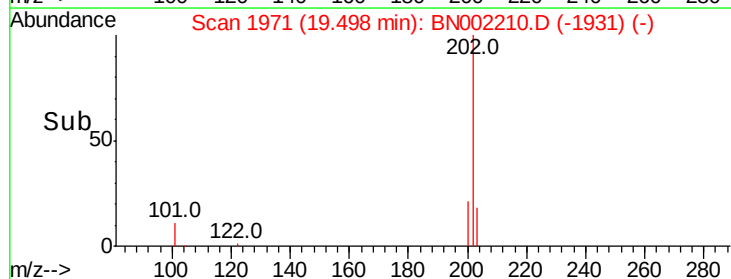
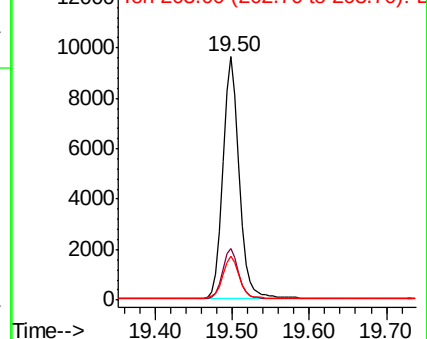
203 17.9 13.8 20.8

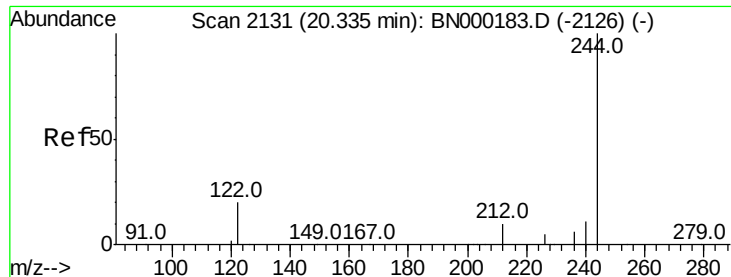


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.71 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

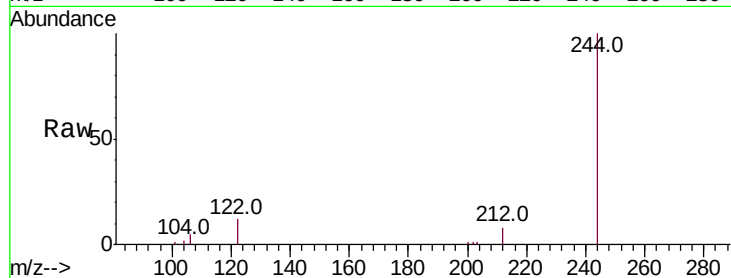
Tot Ion:244 Resp: 8938

Ion Ratio Lower Upper

244 100

212 8.4 25.4 38.0#

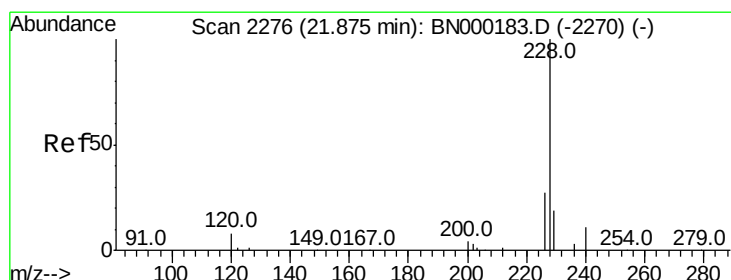
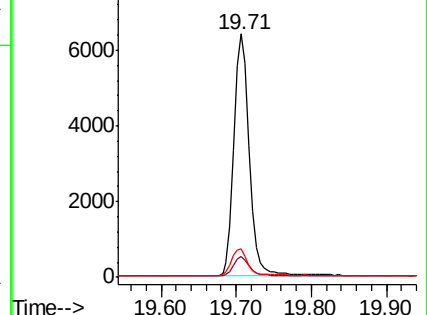
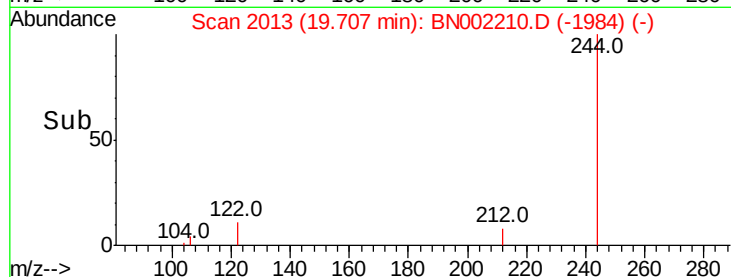
122 11.5 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.354 ng

RT: 21.25 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

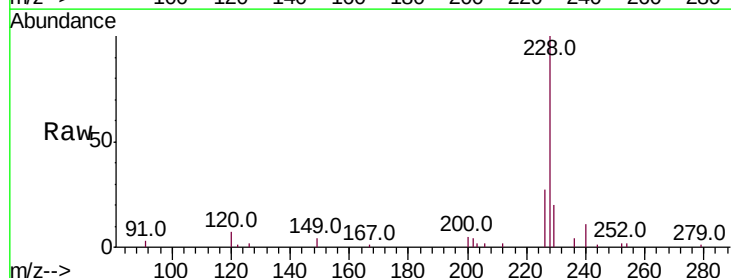
Tgt Ion:228 Resp: 10163

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

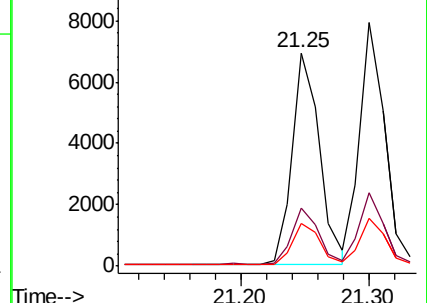
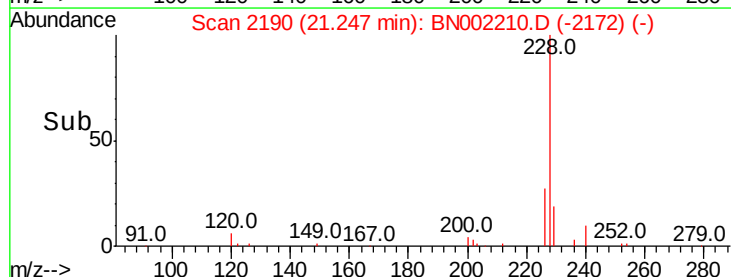
229 19.9 16.0 24.0

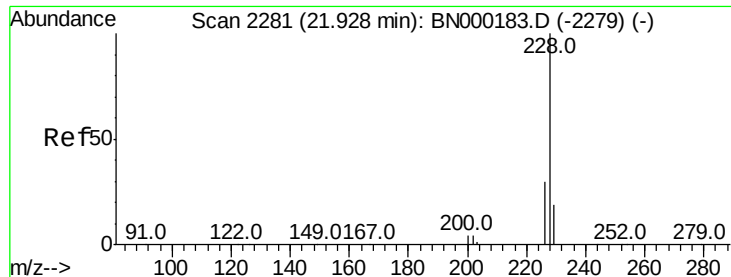


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.334 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

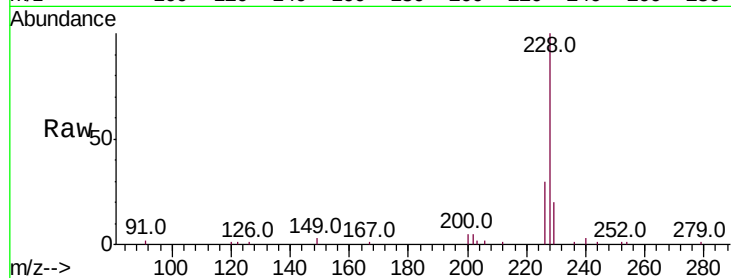
Tot Ion:228 Resp: 10711

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

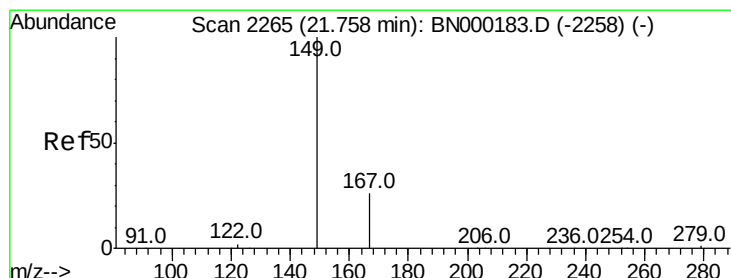
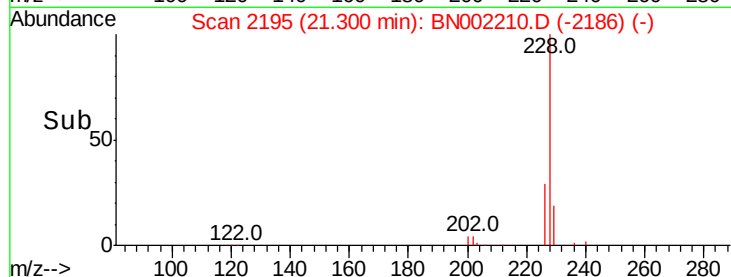
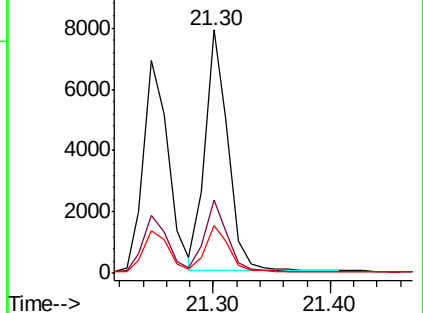
229 19.7 16.0 24.0



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: 0.359 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

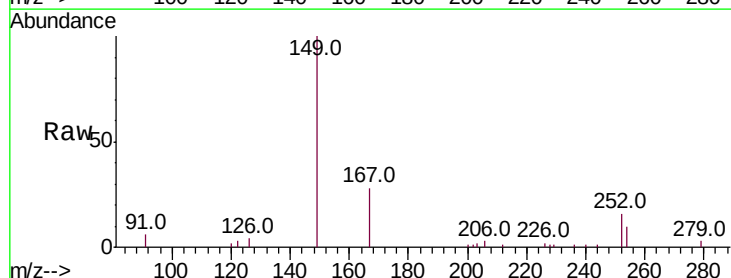
Tgt Ion:149 Resp: 4706

Ion Ratio Lower Upper

149 100

167 27.3 20.0 30.0

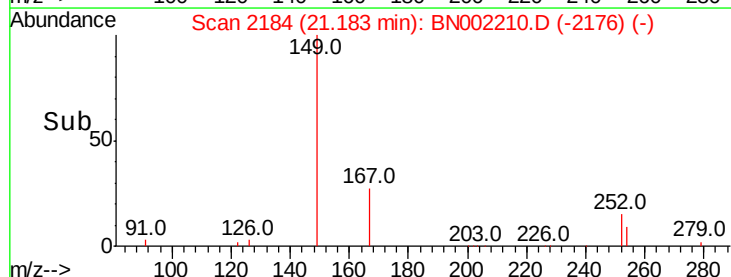
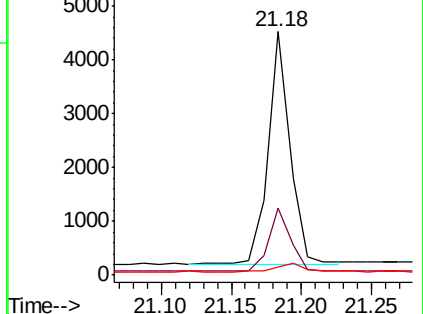
279 4.0 1.6 2.4#

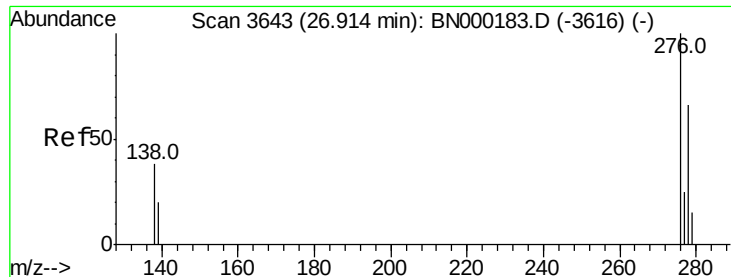


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

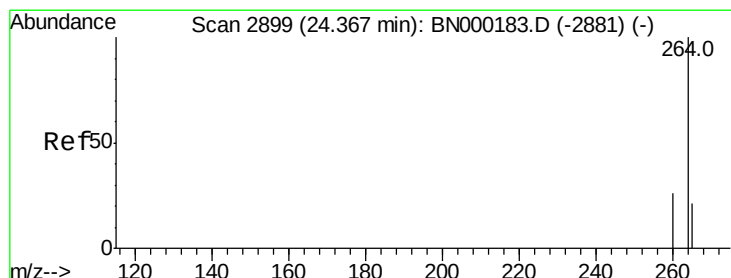
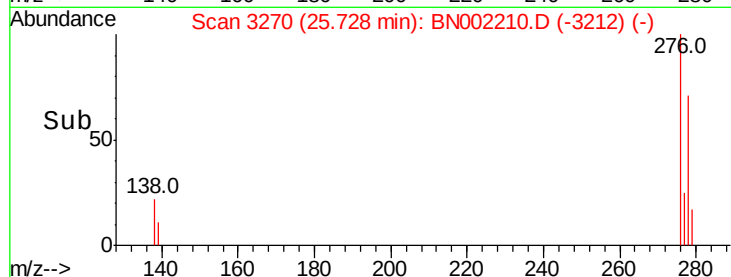
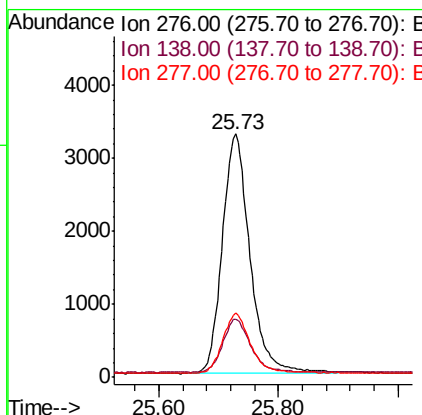
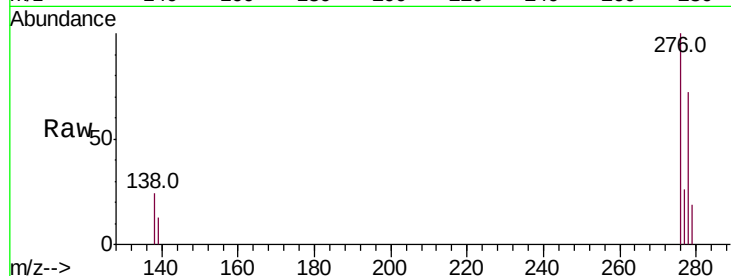




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.350 ng
 RT: 25.73 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

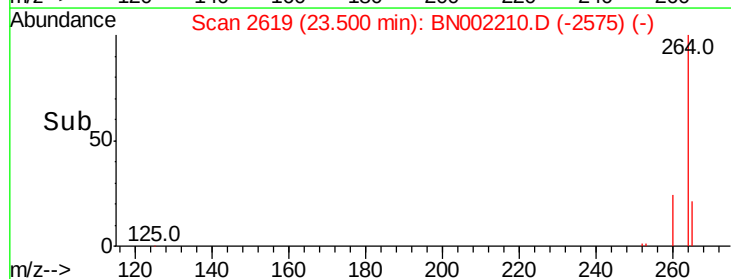
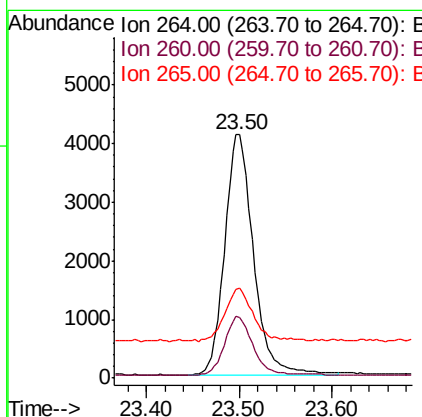
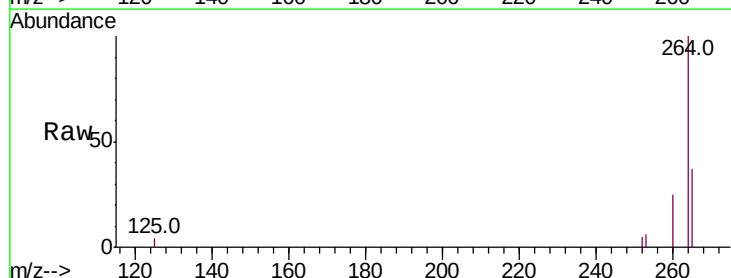
Instrument :
 BNA_N
 ClientSampleId :
 PB111543BS

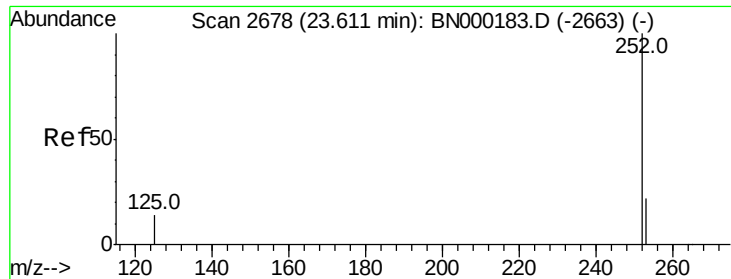
Tot Ion:276 Resp: 10566
 Ion Ratio Lower Upper
 276 100
 138 22.3 22.5 33.7#
 277 24.6 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. 0.00 min
 Lab File: BN002210.D
 Acq: 31 Jul 2018 14:30

Tgt Ion:264 Resp: 8876
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 37.0 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.355 ng

RT: 22.83 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

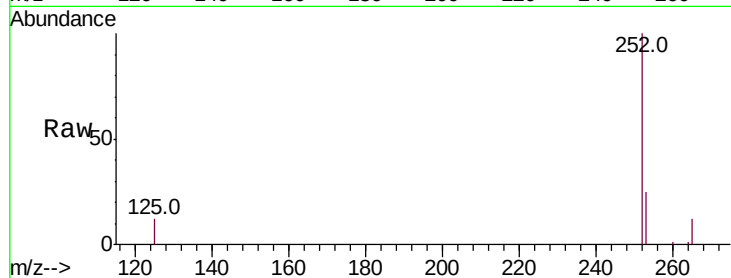
Tot Ion:252 Resp: 9259

Ion Ratio Lower Upper

252 100

253 25.2 20.0 30.0

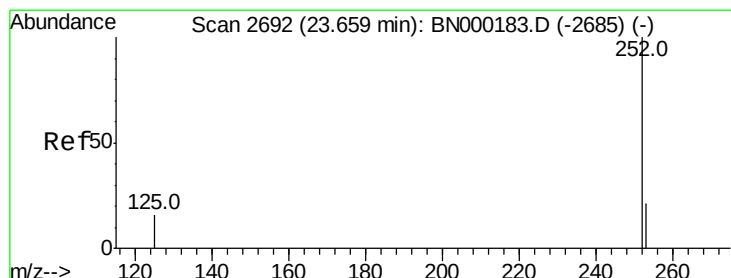
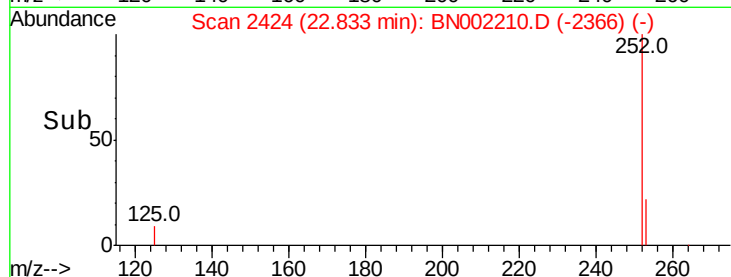
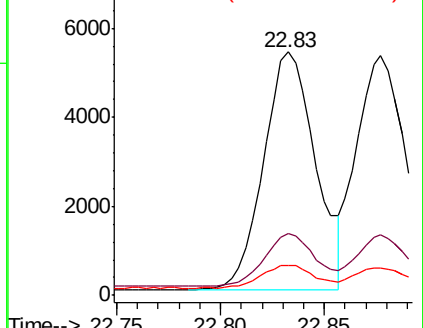
125 12.1 16.0 24.0#



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: 0.340 ng

RT: 22.88 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

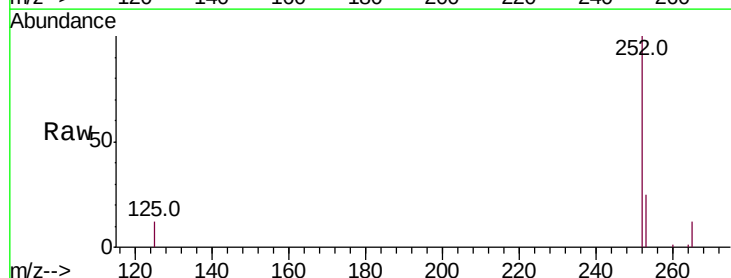
Tgt Ion:252 Resp: 9202

Ion Ratio Lower Upper

252 100

253 25.1 16.0 24.0#

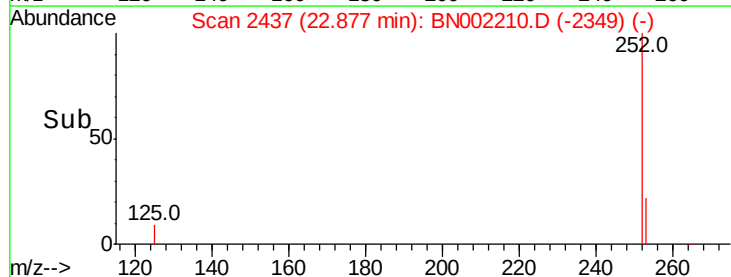
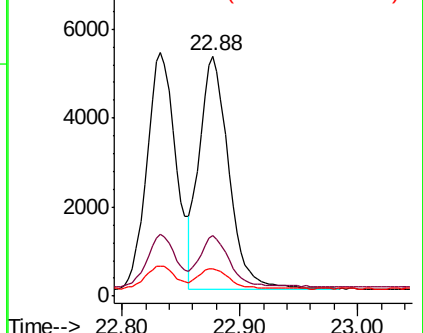
125 11.6 8.0 12.0

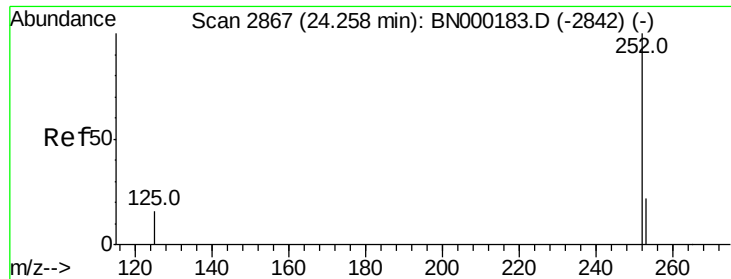


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.40 min Scan# 2590

Delta R.T. 0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

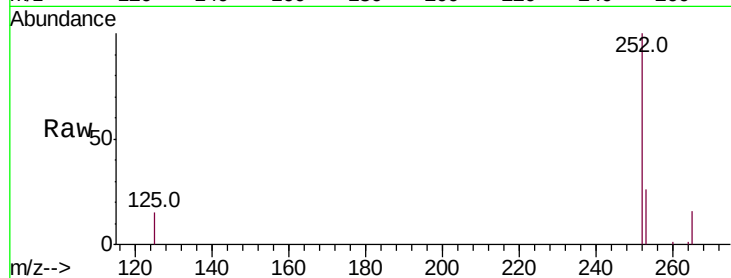
Tot Ion:252 Resp: 8504

Ion Ratio Lower Upper

252 100

253 25.9 16.0 24.0#

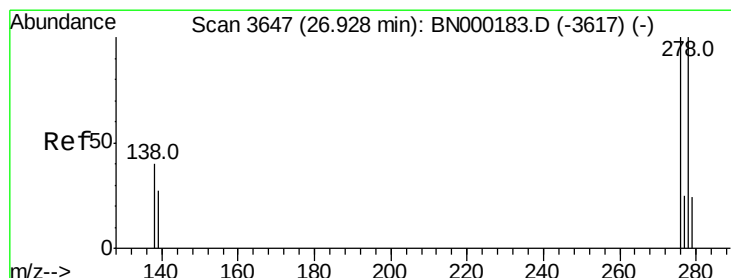
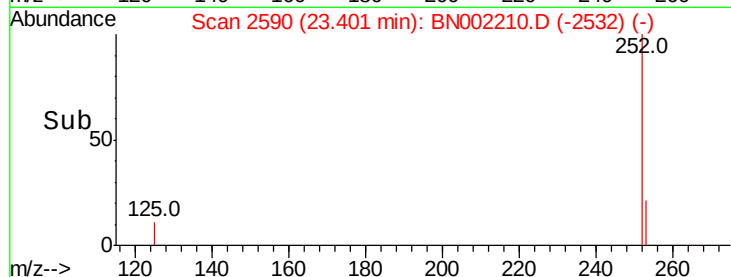
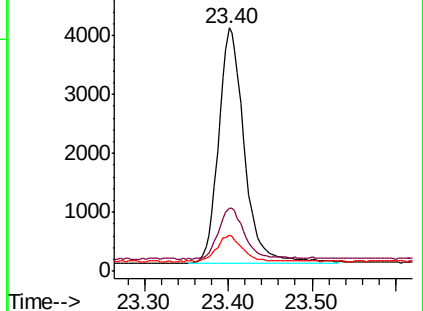
125 14.9 12.0 18.0



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: 0.376 ng

RT: 25.74 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

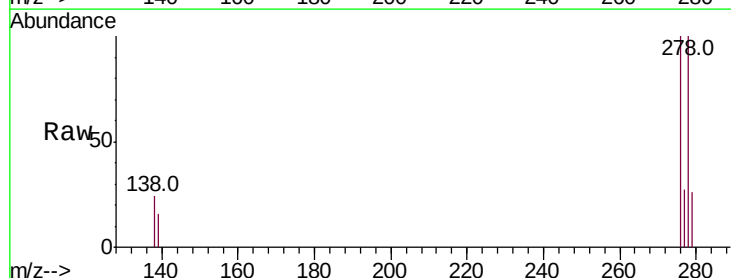
Tgt Ion:278 Resp: 8658

Ion Ratio Lower Upper

278 100

139 16.2 16.0 24.0

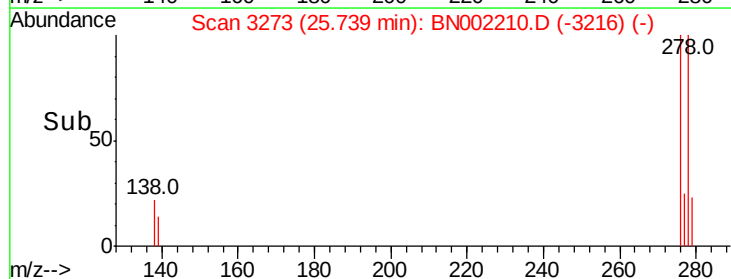
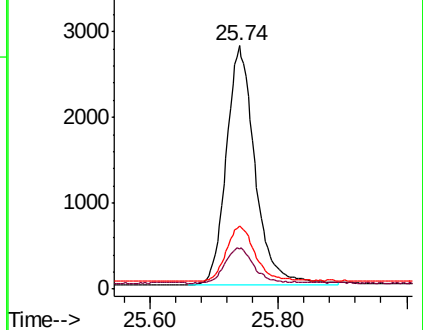
279 25.8 20.0 30.0

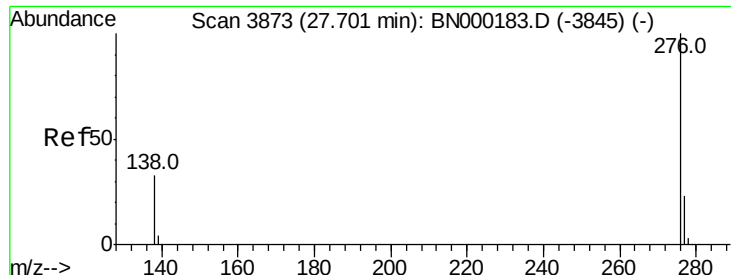


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.397 ng

RT: 26.40 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BN002210.D

Acq: 31 Jul 2018 14:30

Instrument :

BNA_N

ClientSampleId :

PB111543BS

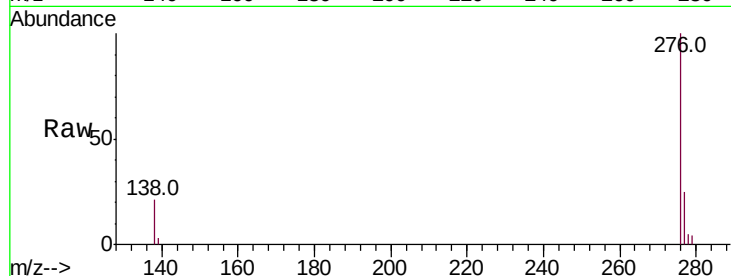
Tot Ion:276 Resp: 9330

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 21.4 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

