

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101718\
 Data File : BN003194.D
 Acq On : 17 Oct 2018 23:33
 Operator : MJ/SJ
 Sample : PB113685BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB113685BS

Quant Time: Oct 18 15:40:48 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	7.67	152	718	0.40	ng	0.02
7) Naphthalene-d8	10.47	136	3186	0.40	ng	0.04
13) Acenaphthene-d10	14.30	164	2181	0.40	ng	0.02
19) Phenanthrene-d10	17.06	188	6223	0.40	ng	0.01
27) Chrysene-d12	21.25	240	8463	0.40	ng	0.00
34) Perylene-d12	23.47	264	9221	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	111	0.07	ng	0.06
5) Phenol-d6	7.05	99	363	0.16	ng	0.11
8) Nitrobenzene-d5	8.96	82	305	0.15	ng	0.09
11) 2-Methylnaphthalene-d10	12.10	152	1691	0.31	ng	0.06
14) 2,4,6-Tribromophenol	15.86	330	305	0.22	ng	0.03
15) 2-Fluorobiphenyl	12.96	172	1892	0.22	ng	0.03
25) Fluoranthene-d10	19.10	212	4533	0.24	ng	0.02
29) Terphenyl-d14	19.69	244	3319	0.18	ng	0.01

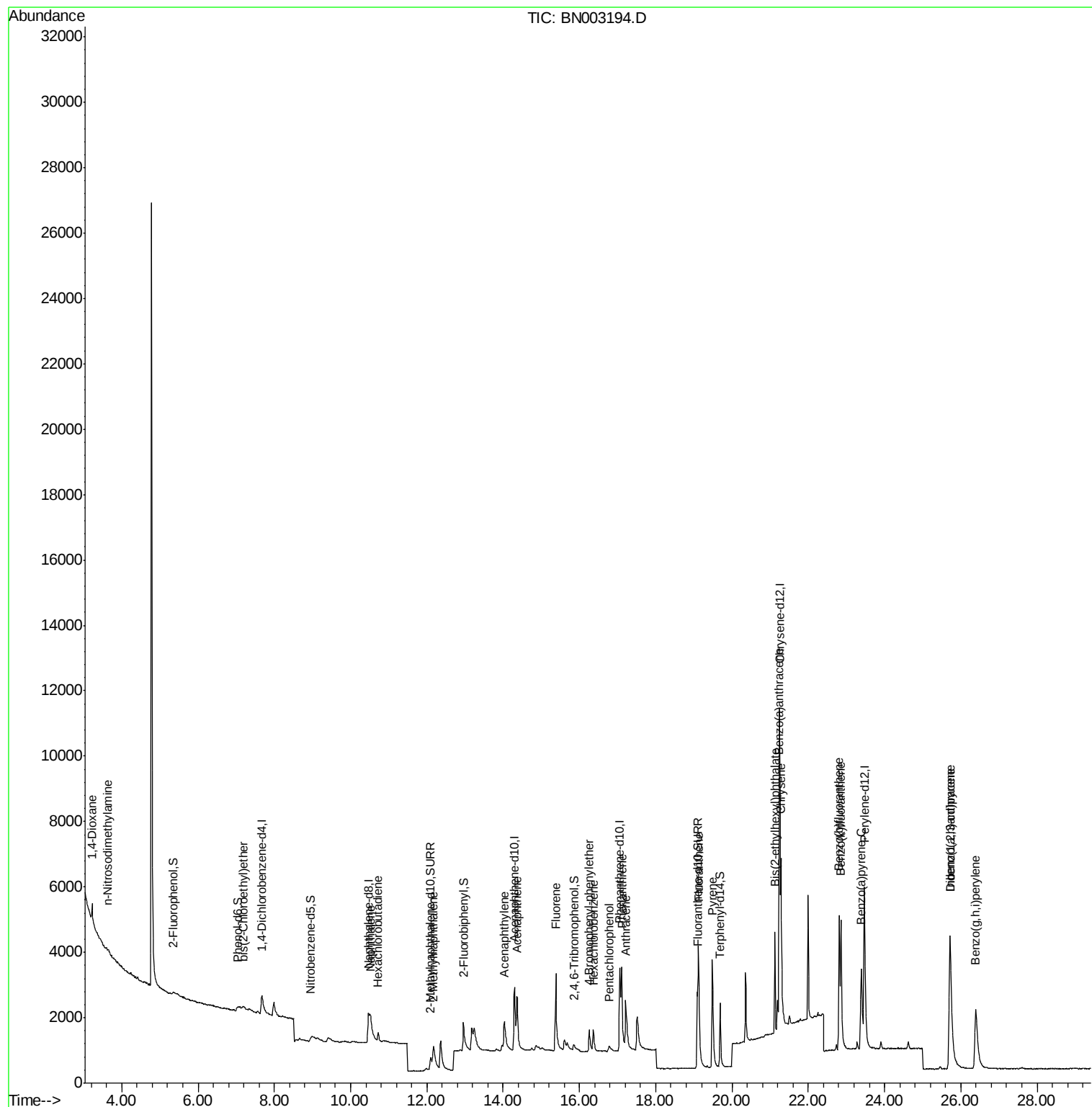
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	430	0.413	ng	# 54
3) n-Nitrosodimethylamine	3.63	42	24	0.191	ng	# 1
6) bis(2-Chloroethyl)ether	7.17	93	635	0.335	ng	# 64
9) Naphthalene	10.53	128	1909	0.241	ng	# 79
10) Hexachlorobutadiene	10.72	225	342	0.220	ng	# 97
12) 2-Methylnaphthalene	12.17	142	1273	0.235	ng	96
16) Acenaphthylene	14.03	152	2256	0.228	ng	99
17) Acenaphthene	14.37	154	1500	0.227	ng	99
18) Fluorene	15.38	166	2068	0.241	ng	98
20) 4-Bromophenyl-phenylether	16.26	248	610	0.176	ng	99
21) Hexachlorobenzene	16.37	284	756	0.197	ng	97
22) Pentachlorophenol	16.78	266	223	0.338	ng	90
23) Phenanthrene	17.11	178	3733	0.229	ng	99
24) Anthracene	17.22	178	3368	0.226	ng	99
26) Fluoranthene	19.13	202	5227	0.250	ng	99
28) Pyrene	19.49	202	5379	0.227	ng	99
30) Benzo(a)anthracene	21.24	228	5673	0.249	ng	99
31) Chrysene	21.29	228	5968	0.230	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	3013	0.223	ng	99
33) Indeno(1,2,3-cd)pyrene	25.72	276	7436	0.242	ng	99
35) Benzo(b)fluoranthene	22.81	252	6112	0.245	ng	96
36) Benzo(k)fluoranthene	22.86	252	7136	0.243	ng	# 94
37) Benzo(a)pyrene	23.39	252	6414	0.250	ng	# 93
38) Dibenzo(a,h)anthracene	25.71	278	6167	0.235	ng	# 95
39) Benzo(g,h,i)perylene	26.39	276	6416	0.242	ng	97

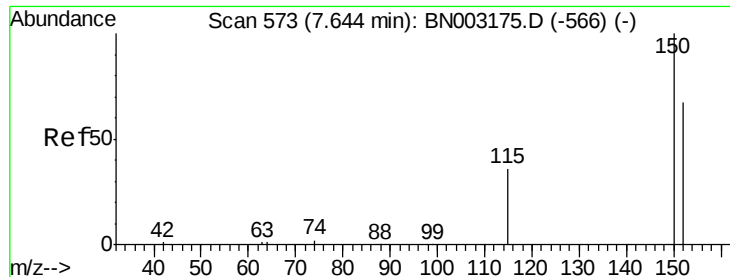
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.67 min Scan# 576

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

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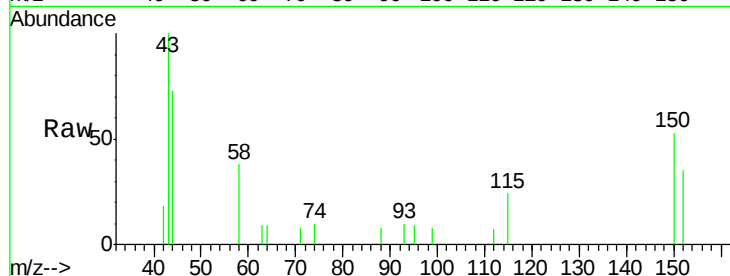
Tgt Ion: 152 Resp: 718

Ion Ratio Lower Upper

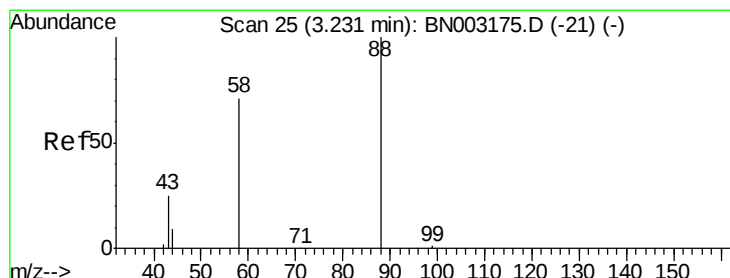
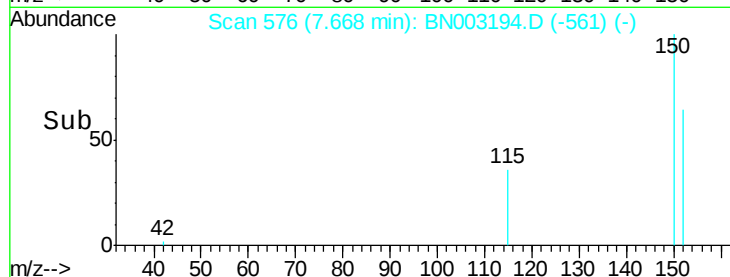
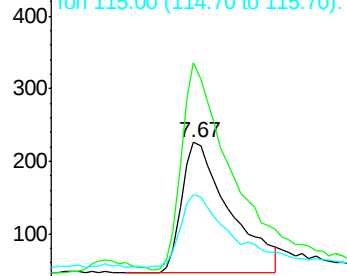
152 100

150 148.7 126.2 189.4

115 68.6 49.8 74.6



Abundance Ion 152.00 (151.70 to 152.70): E



#2

1,4-Dioxane

Concen: 0.413 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

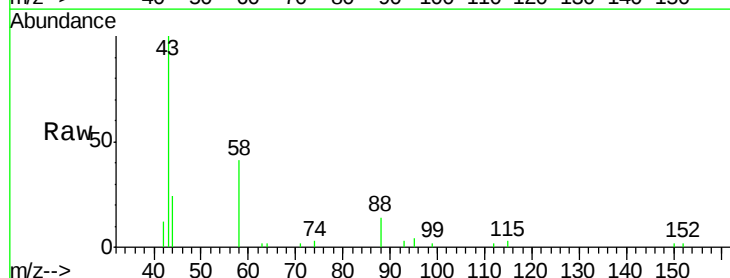
Tgt Ion: 88 Resp: 430

Ion Ratio Lower Upper

88 100

58 121.2 66.7 100.1#

43 0.0 24.6 37.0#



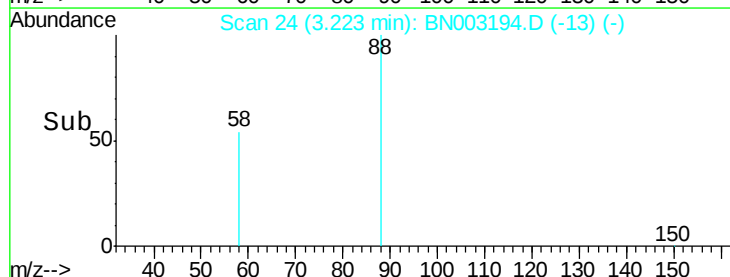
Abundance Ion 88.00 (87.70 to 88.70): BNC

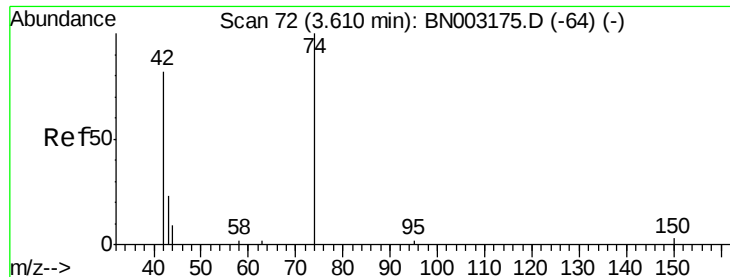
Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

3.22

Time--> 3.15 3.20 3.25 3.30 3.35





#3

n-Nitrosodimethylamine

Concen: 0.191 ng

RT: 3.63 min Scan# 75

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

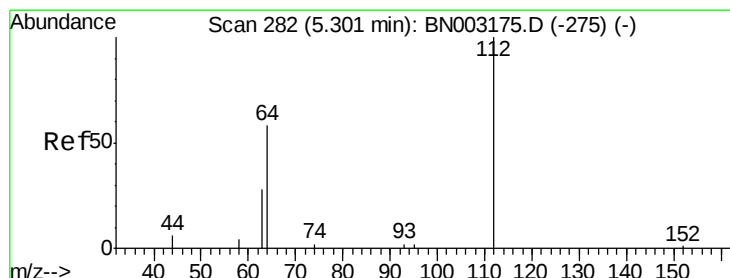
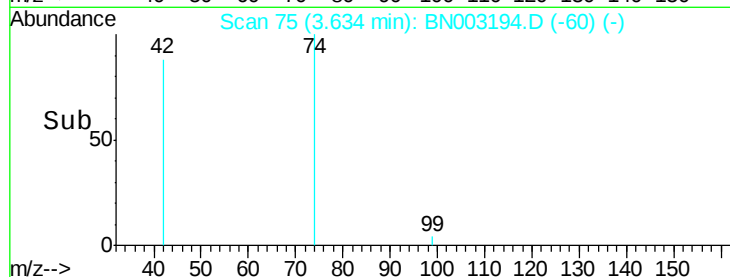
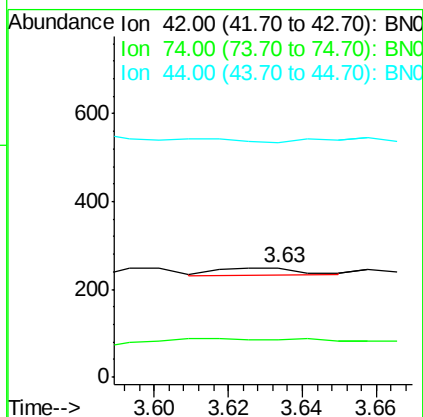
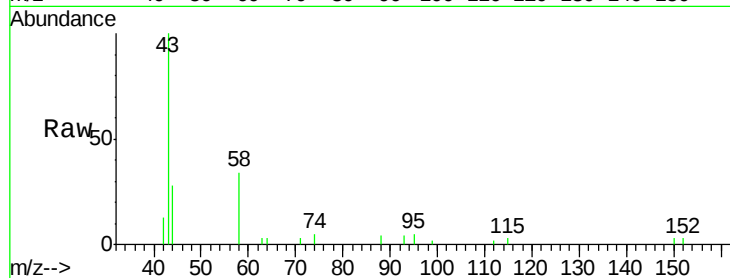
Instrument :

BNA_N

ClientSampleId :

PB113685BS

Tgt Ion:	42	Resp:	24
Ion	Ratio	Lower	Upper
42	100		
74	0.0	102.9	154.3#
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.070 ng

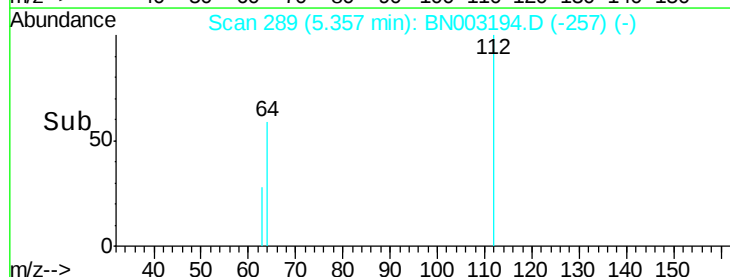
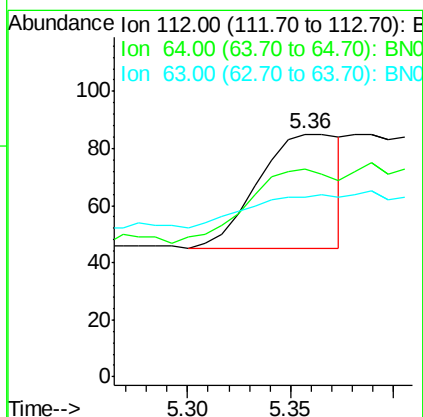
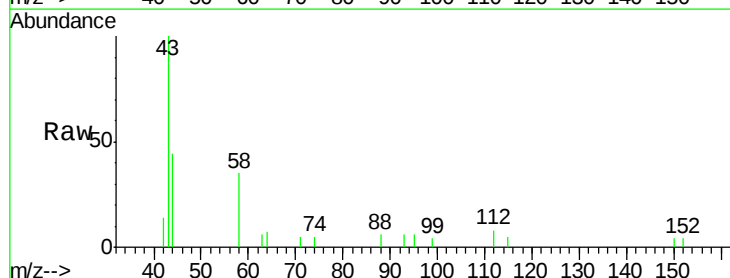
RT: 5.36 min Scan# 289

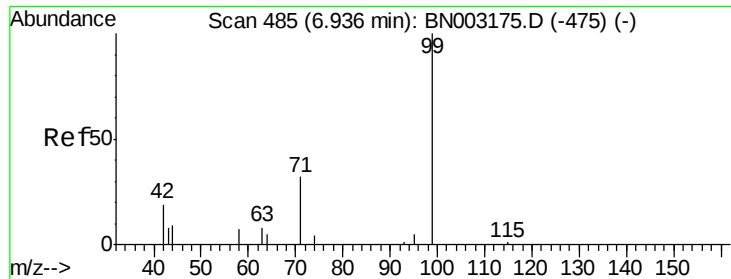
Delta R.T. 0.06 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Tgt Ion:	112	Resp:	111
Ion	Ratio	Lower	Upper
112	100		
64	68.5	49.0	73.4
63	0.0	25.9	38.9#





#5

Phenol-d6

Concen: 0.161 ng

RT: 7.05 min Scan# 499

Delta R.T. 0.11 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

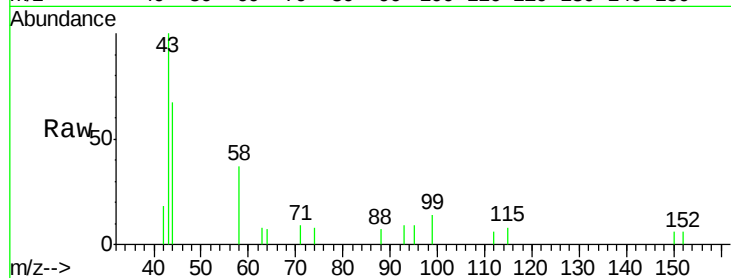
Tgt Ion: 99 Resp: 363

Ion Ratio Lower Upper

99 100

42 1.7 15.4 23.2#

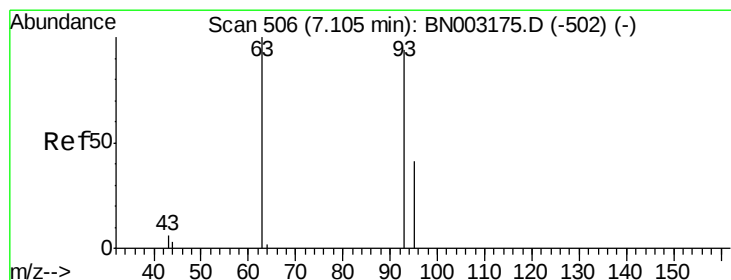
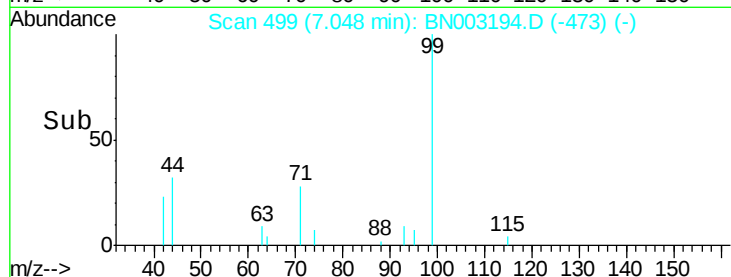
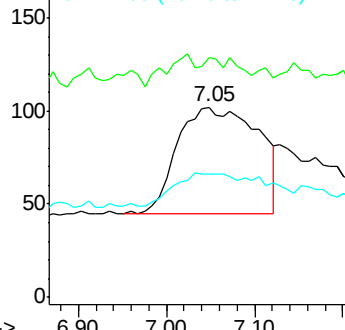
71 0.0 26.0 39.0#



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

bis(2-Chloroethyl)ether

Concen: 0.335 ng

RT: 7.17 min Scan# 514

Delta R.T. 0.06 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

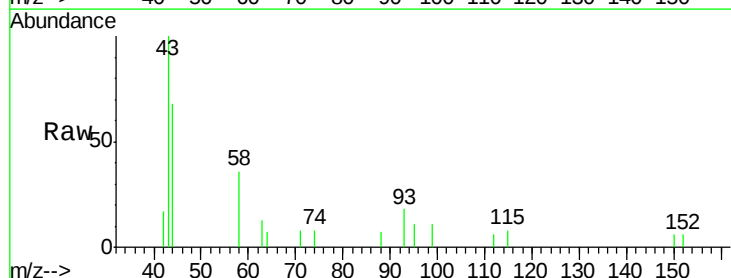
Tgt Ion: 93 Resp: 635

Ion Ratio Lower Upper

93 100

63 41.4 54.2 81.4#

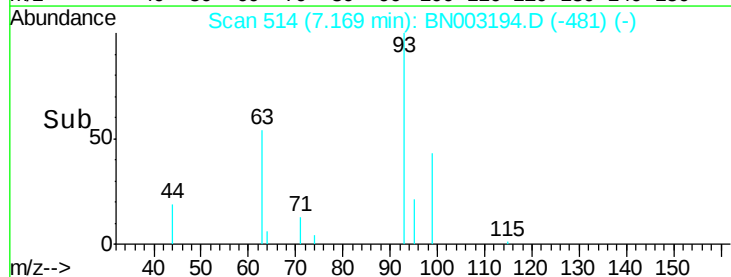
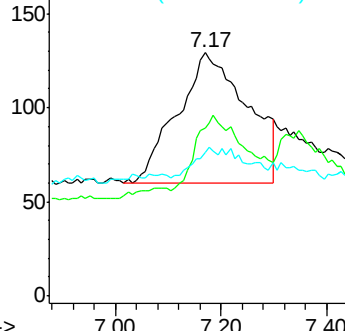
95 7.1 24.9 37.3#

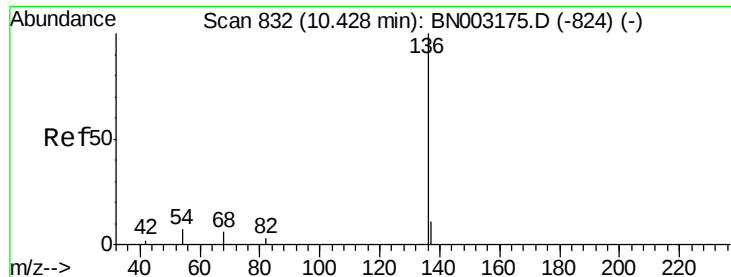


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. 0.04 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

Tgt Ion: 136 Resp: 3186

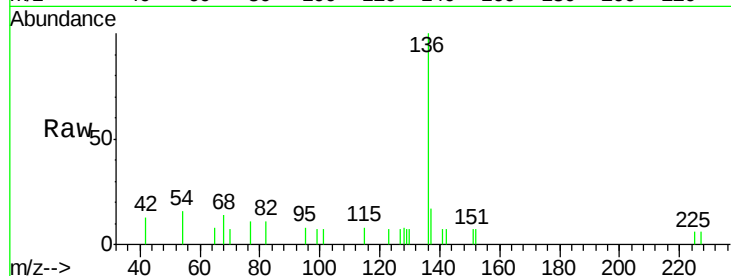
Ion Ratio Lower Upper

136 100

137 16.9 9.4 14.0#

54 15.7 7.4 11.0#

68 14.2 5.8 8.6#

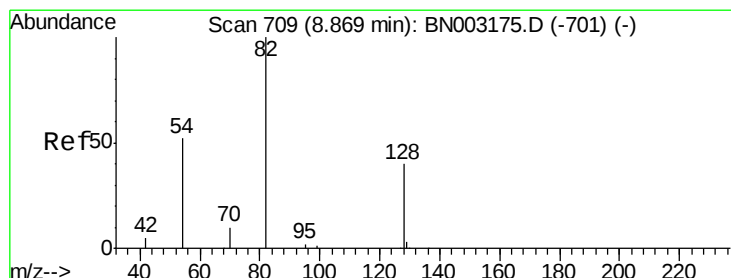
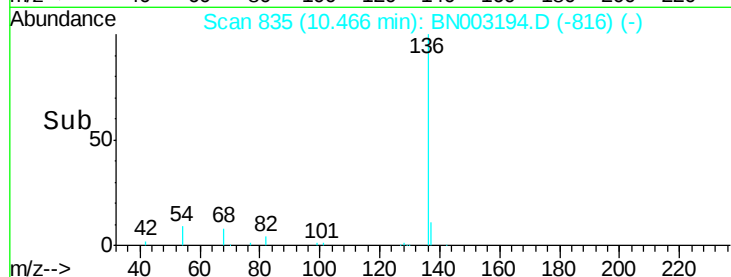
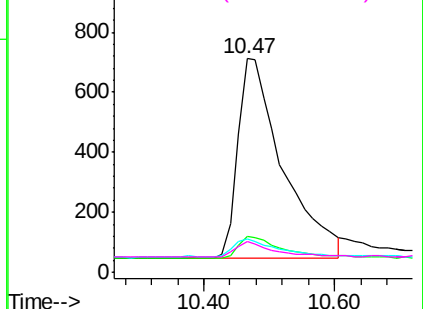


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.149 ng

RT: 8.96 min Scan# 716

Delta R.T. 0.09 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

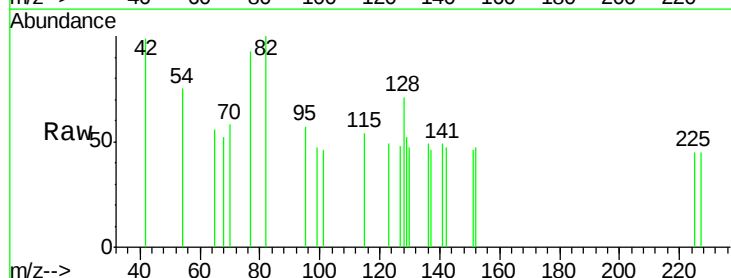
Tgt Ion: 82 Resp: 305

Ion Ratio Lower Upper

82 100

128 71.0 38.2 57.4#

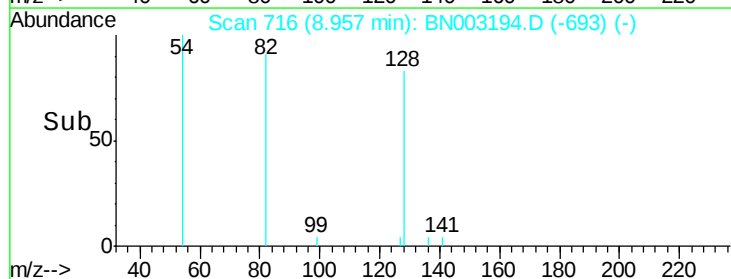
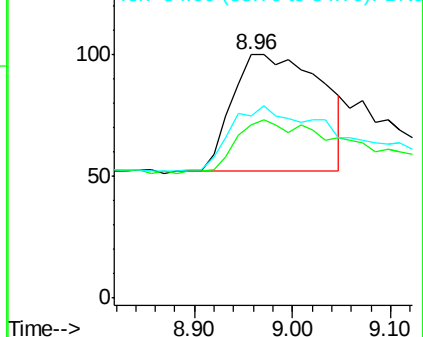
54 75.0 44.1 66.1#

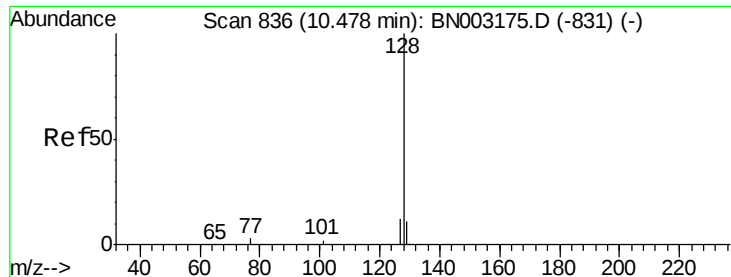


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.241 ng

RT: 10.53 min Scan# 840

Delta R.T. 0.05 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

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BNA_N

ClientSampleId :

PB113685BS

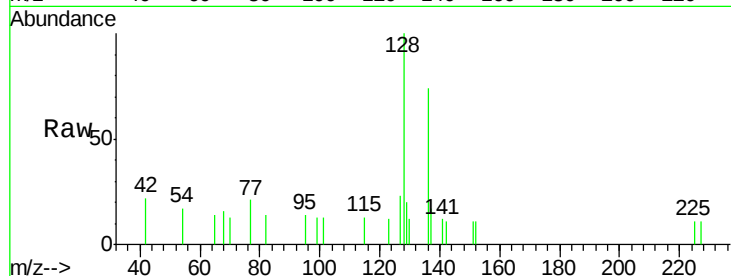
Tgt Ion:128 Resp: 1909

Ion Ratio Lower Upper

128 100

129 20.5 9.8 14.6#

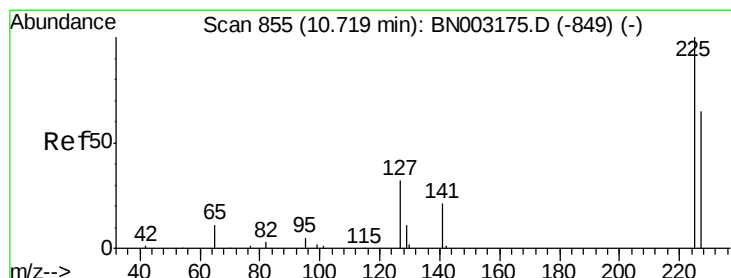
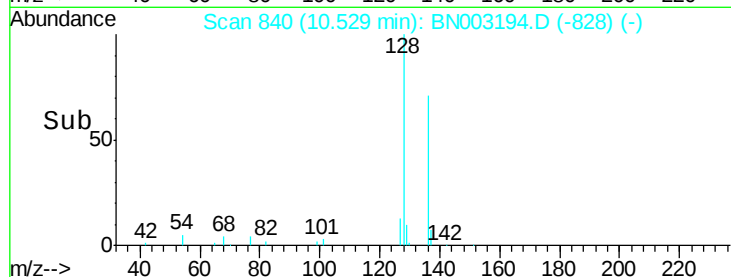
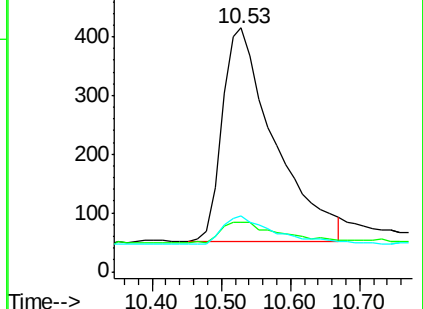
127 22.9 11.4 17.2#



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: 0.220 ng

RT: 10.72 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

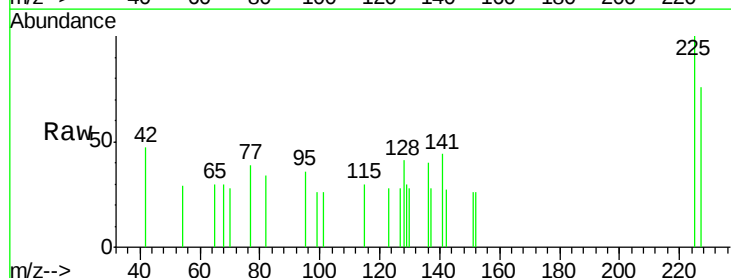
Tgt Ion:225 Resp: 342

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

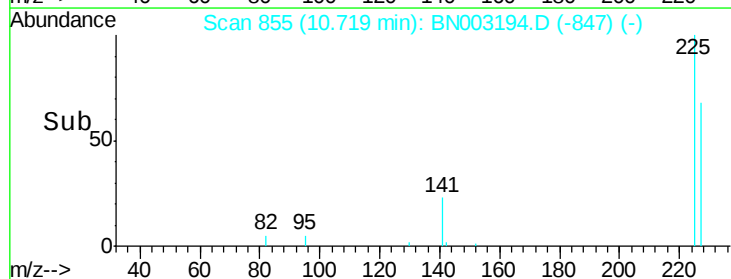
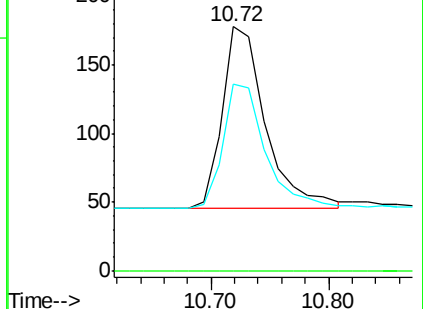
227 67.3 51.8 77.8

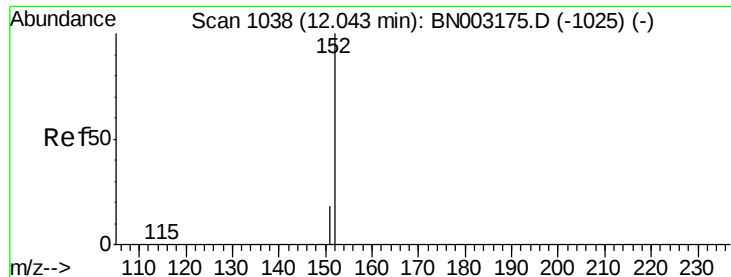


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

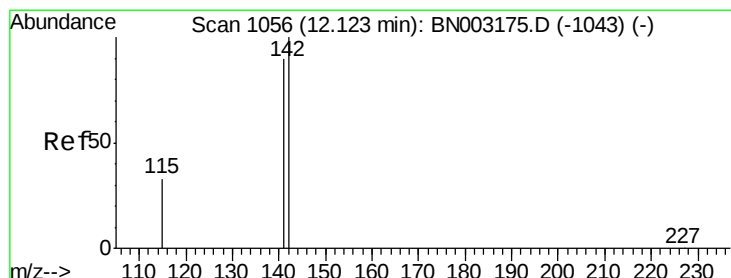
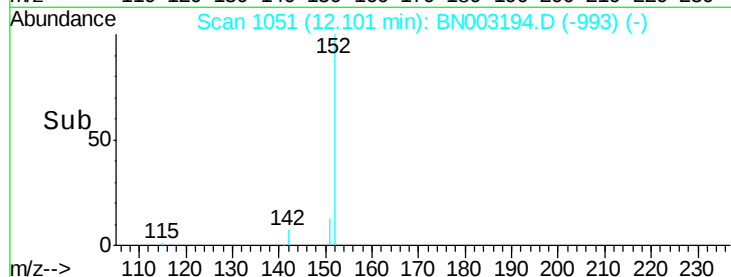
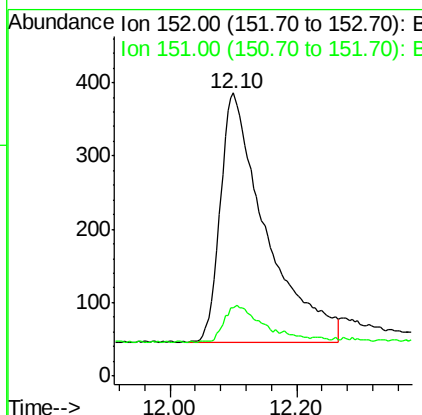
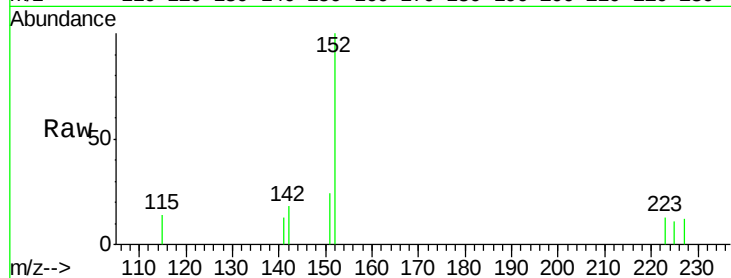




#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 12.10 min Scan# 1051
Delta R.T. 0.06 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

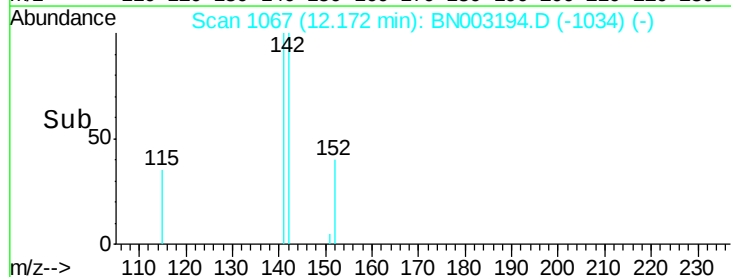
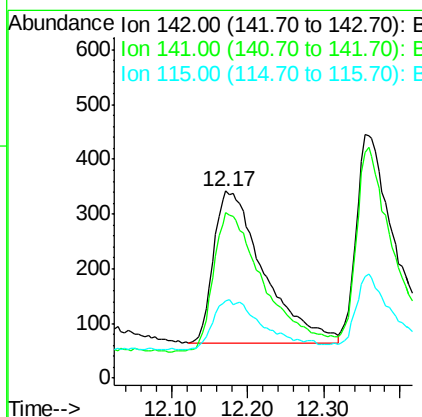
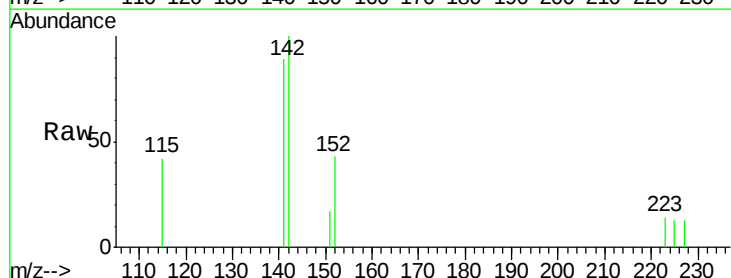
Instrument :
BNA_N
ClientSampleId :
PB113685BS

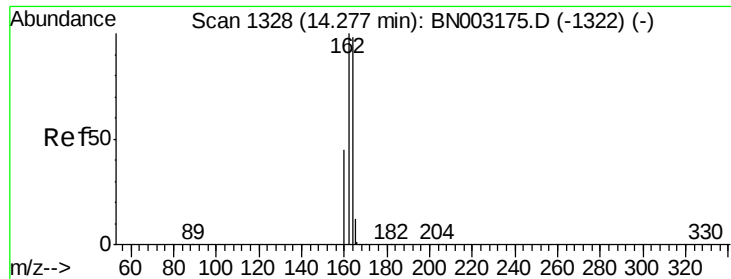
Tgt Ion:152 Resp: 1691
Ion Ratio Lower Upper
152 100
151 13.0 15.0 22.4#



#12
2-Methylnaphthalene
Concen: 0.235 ng
RT: 12.17 min Scan# 1067
Delta R.T. 0.05 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

Tgt Ion:142 Resp: 1273
Ion Ratio Lower Upper
142 100
141 88.6 71.5 107.3
115 41.5 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: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

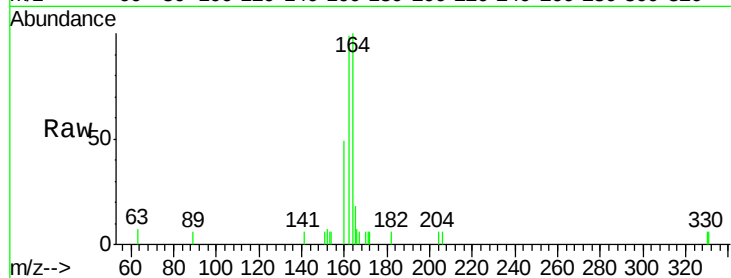
Tgt Ion:164 Resp: 2181

Ion Ratio Lower Upper

164 100

162 99.2 81.7 122.5

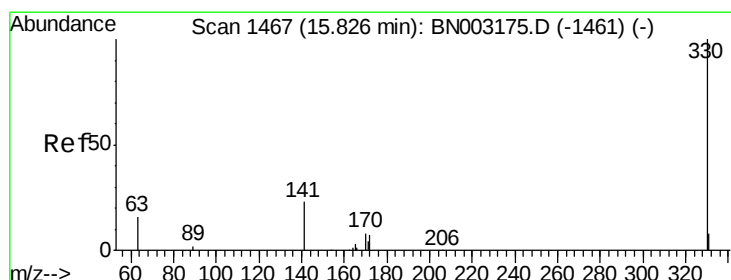
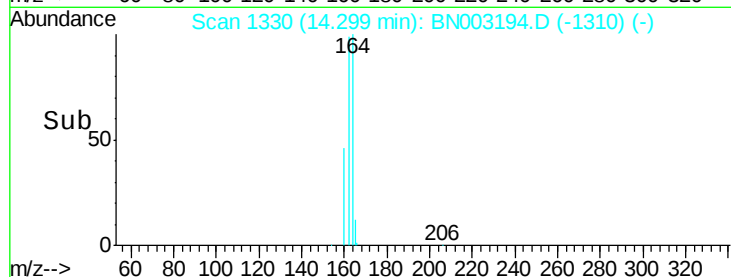
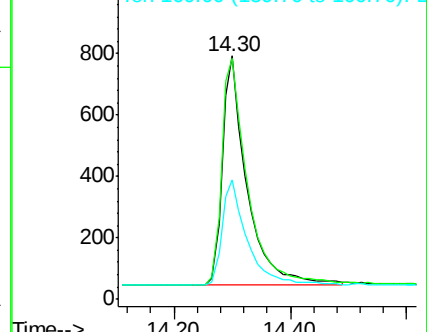
160 48.9 36.3 54.5



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: 0.219 ng

RT: 15.86 min Scan# 1470

Delta R.T. 0.03 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

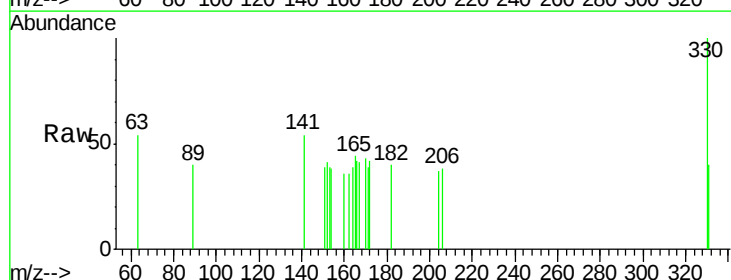
Tgt Ion:330 Resp: 305

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

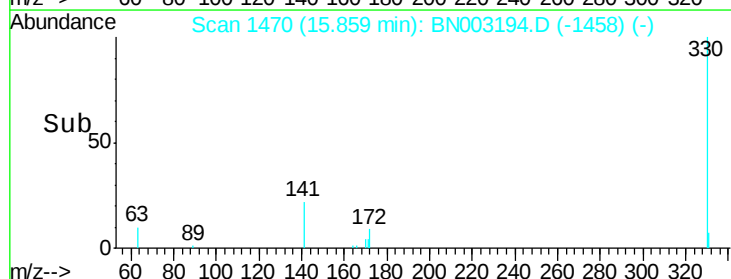
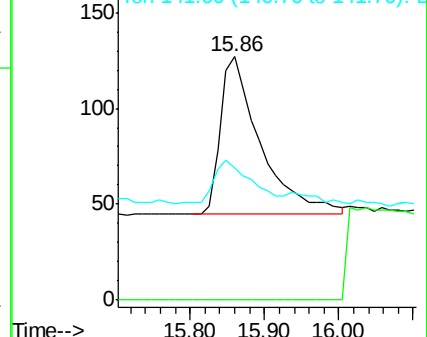
141 26.9 22.6 33.8

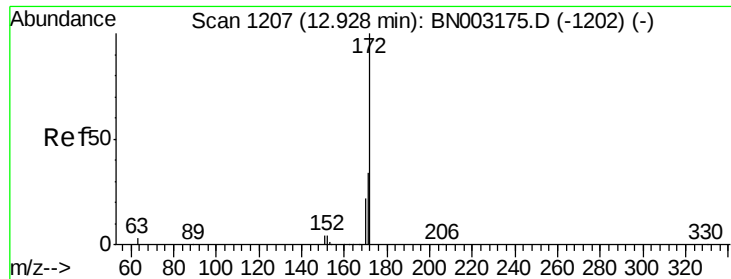


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

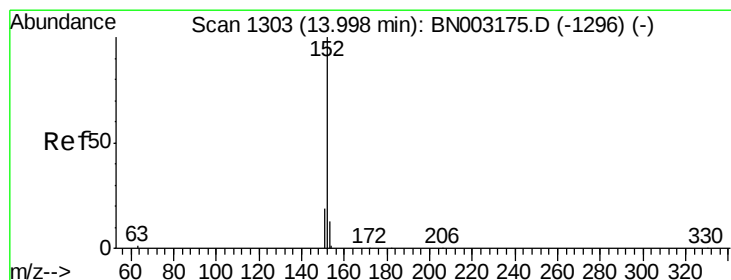
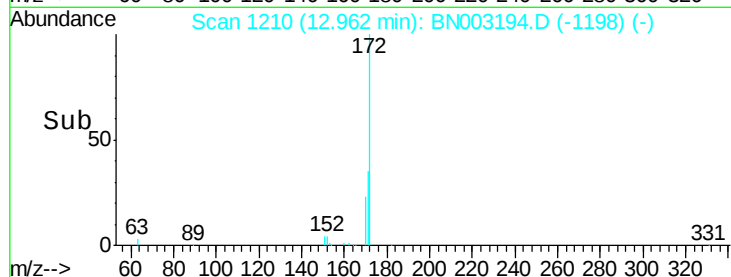
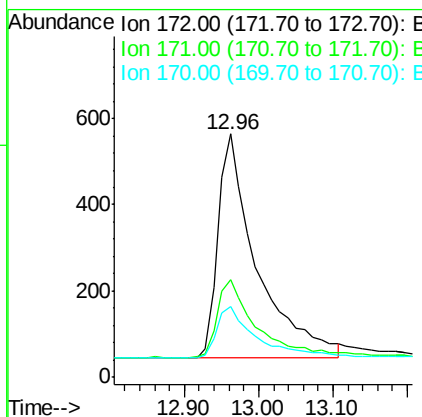
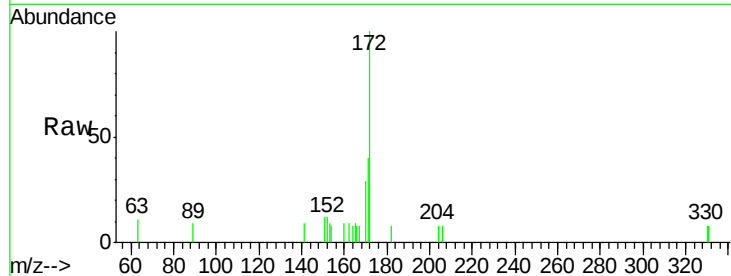




#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.03 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

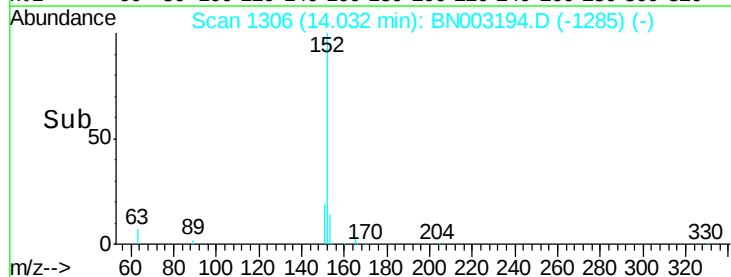
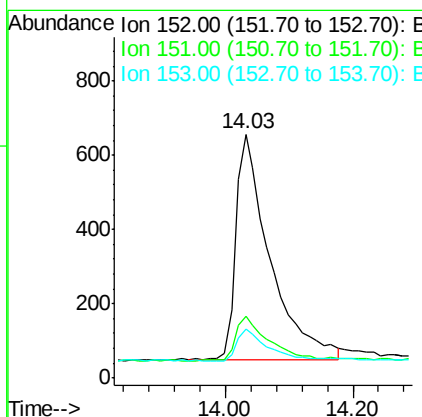
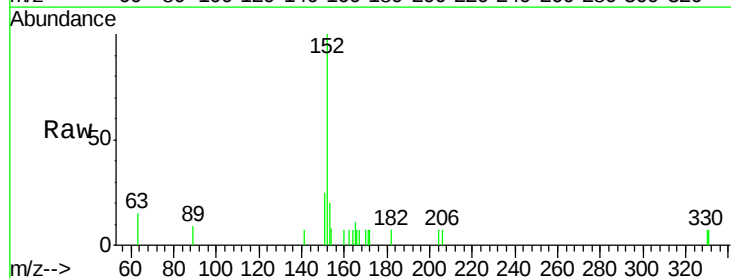
Instrument :
BNA_N
ClientSampleId :
PB113685BS

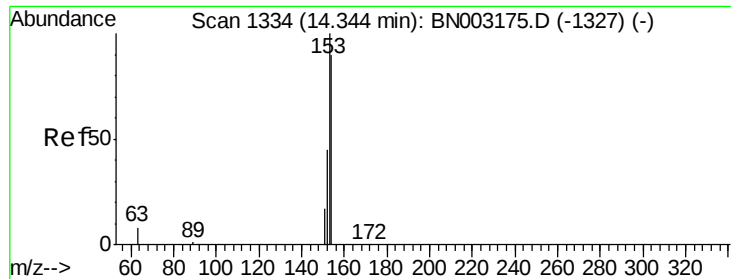
Tgt Ion:172 Resp: 1892
Ion Ratio Lower Upper
172 100
171 40.1 28.6 43.0
170 28.9 18.6 27.8#



#16
Acenaphthylene
Concen: 0.228 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.03 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

Tgt Ion:152 Resp: 2256
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 0.227 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

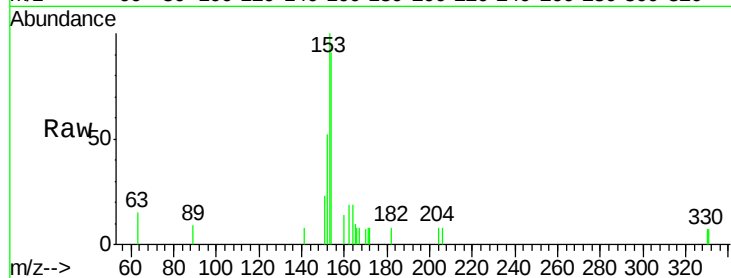
Tgt Ion:154 Resp: 1500

Ion Ratio Lower Upper

154 100

153 113.5 91.0 136.4

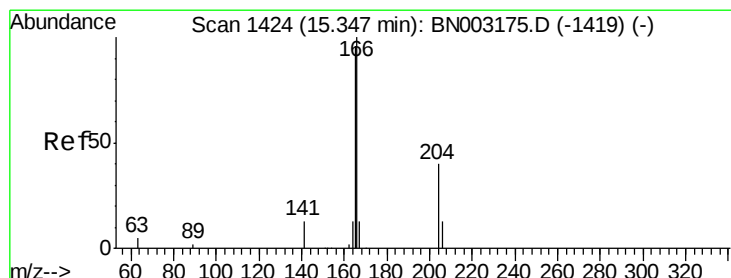
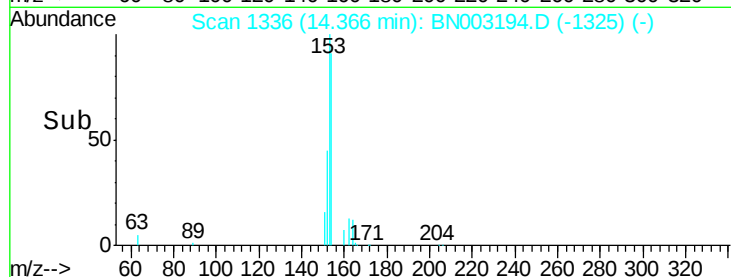
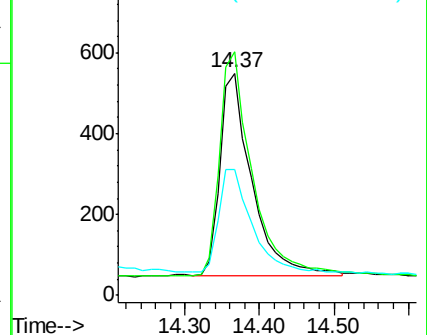
152 52.1 43.8 65.6



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: 0.241 ng

RT: 15.38 min Scan# 1427

Delta R.T. 0.03 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

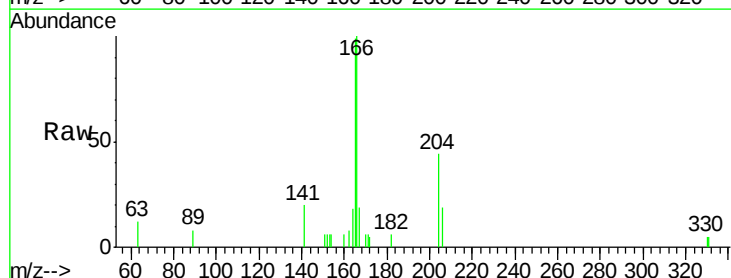
Tgt Ion:166 Resp: 2068

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.2

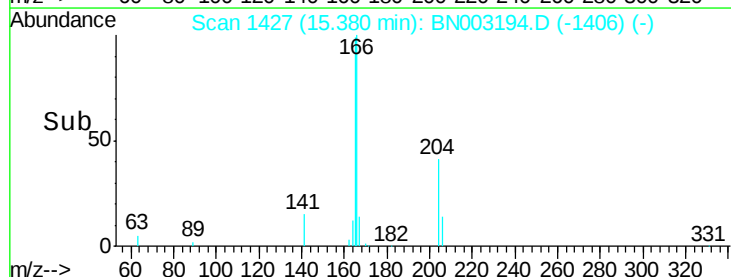
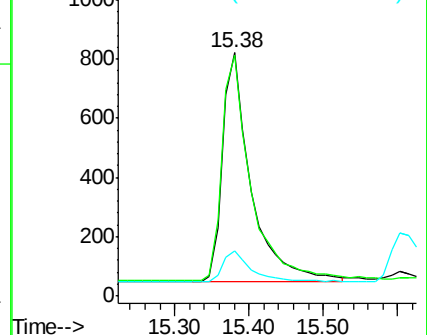
167 13.9 10.7 16.1

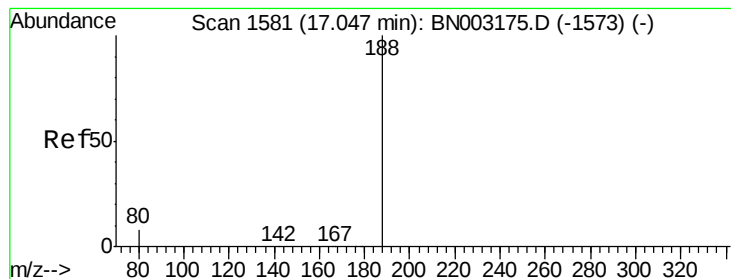


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

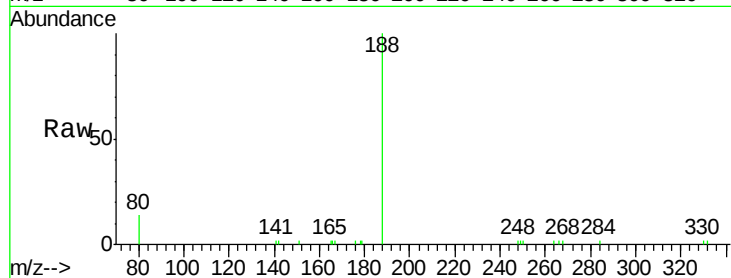
Tgt Ion:188 Resp: 6223

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

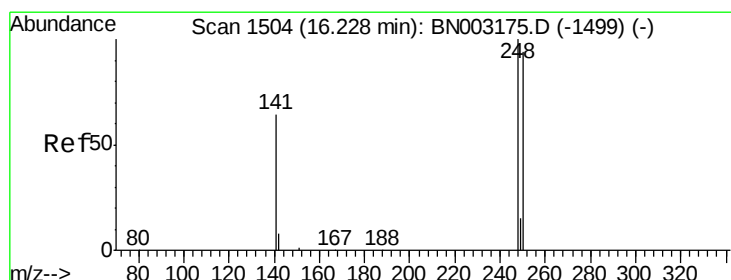
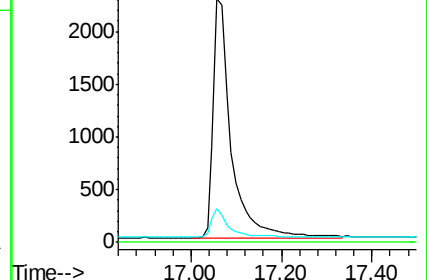
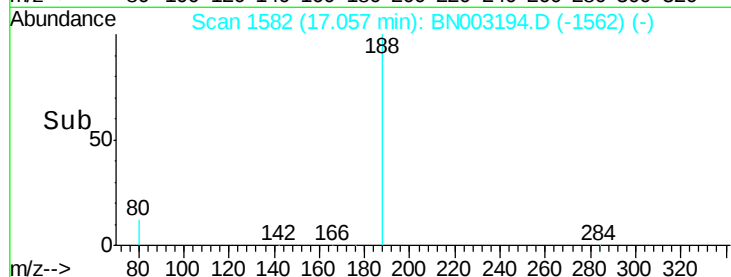
80 13.9 6.7 10.1#



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: 0.176 ng

RT: 16.26 min Scan# 1507

Delta R.T. 0.03 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

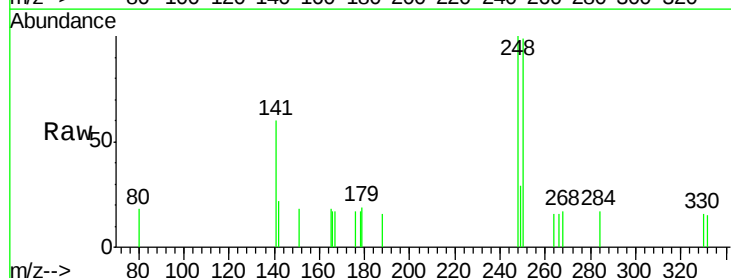
Tgt Ion:248 Resp: 610

Ion Ratio Lower Upper

248 100

250 99.3 78.9 118.3

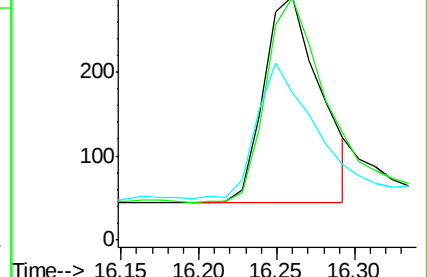
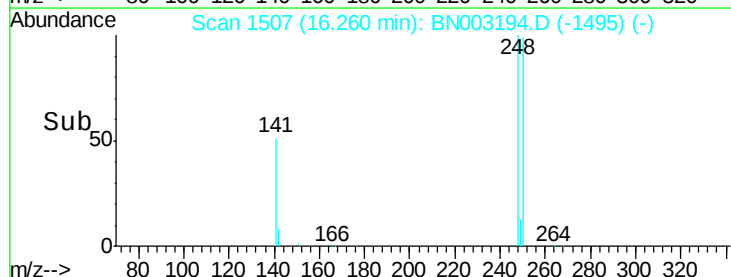
141 60.3 48.5 72.7

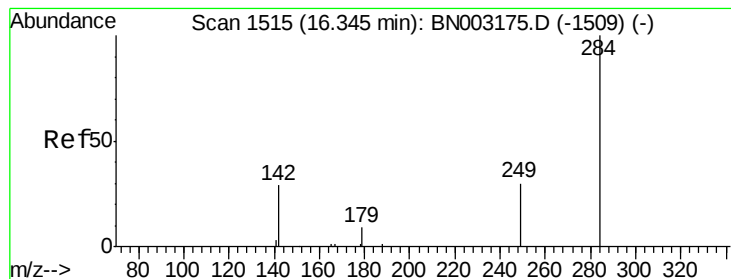


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.197 ng

RT: 16.37 min Scan# 1517

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

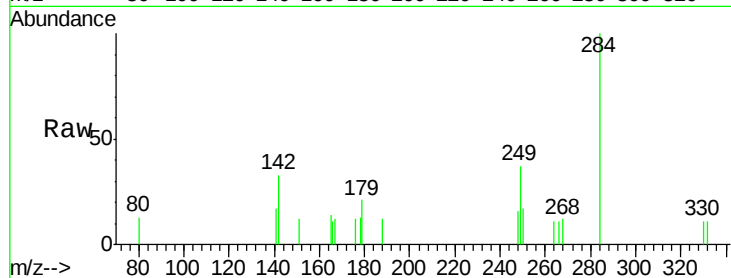
Tgt Ion:284 Resp: 756

Ion Ratio Lower Upper

284 100

142 28.8 24.6 37.0

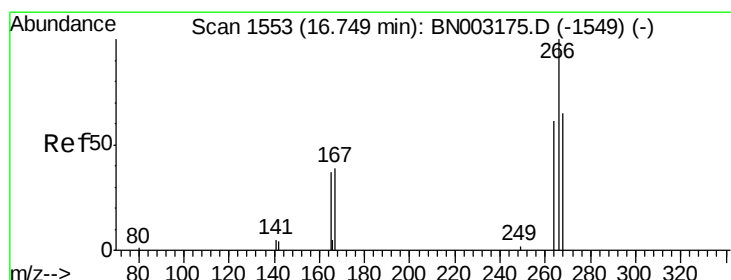
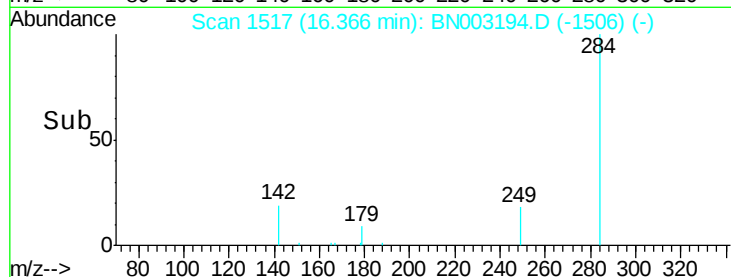
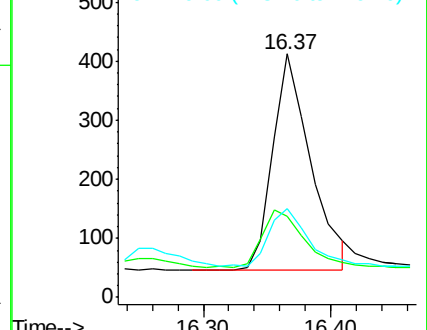
249 27.1 22.3 33.5



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: 0.338 ng

RT: 16.78 min Scan# 1556

Delta R.T. 0.03 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

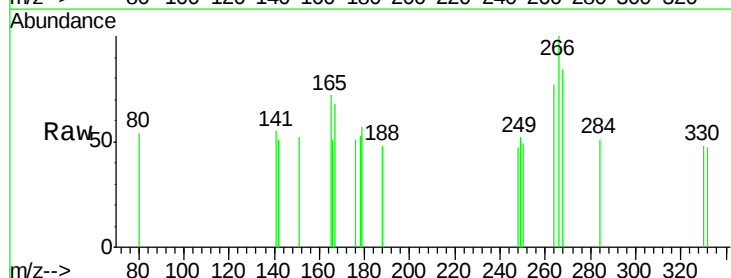
Tgt Ion:266 Resp: 223

Ion Ratio Lower Upper

266 100

264 77.1 55.0 82.4

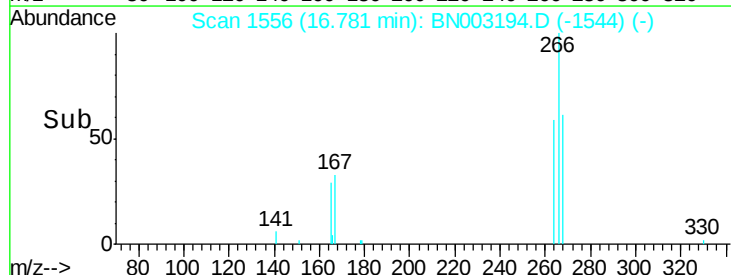
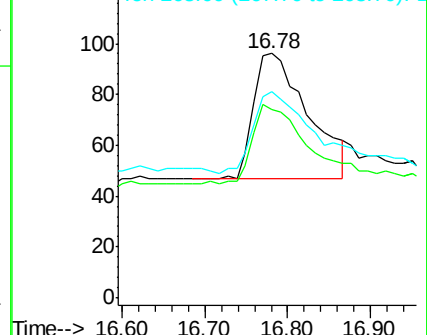
268 84.4 60.6 91.0

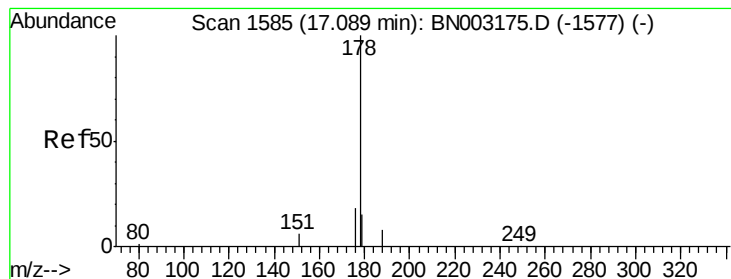


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.229 ng

RT: 17.11 min Scan# 1587

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

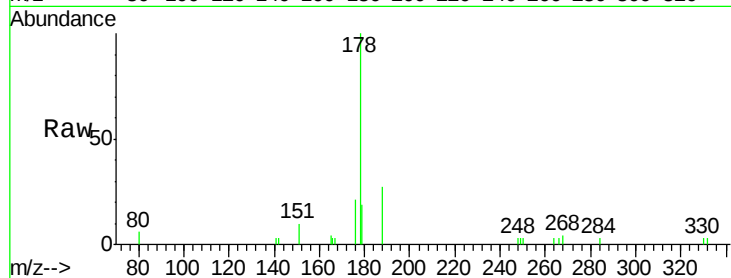
Tgt Ion:178 Resp: 3733

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

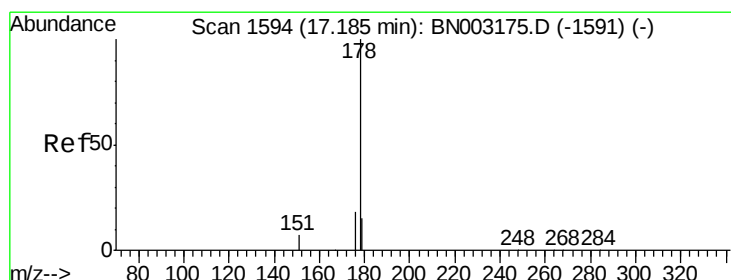
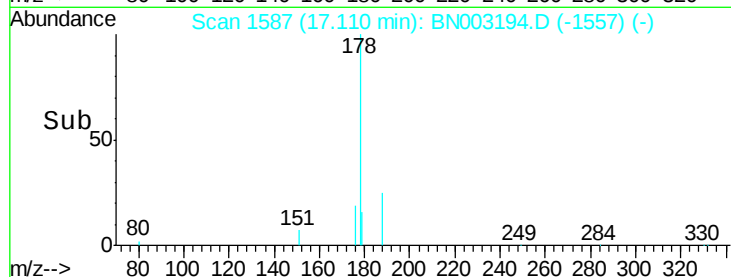
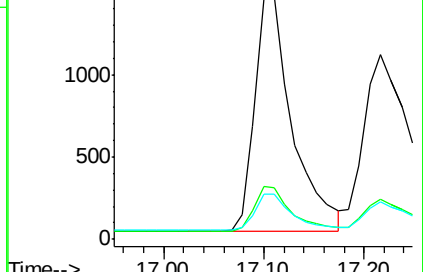
179 15.5 12.3 18.5



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



#24

Anthracene

Concen: 0.226 ng

RT: 17.22 min Scan# 1597

Delta R.T. 0.03 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

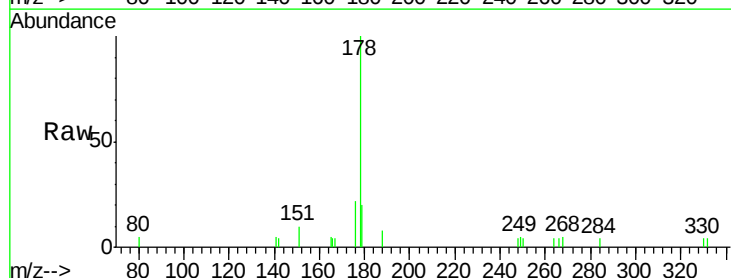
Tgt Ion:178 Resp: 3368

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

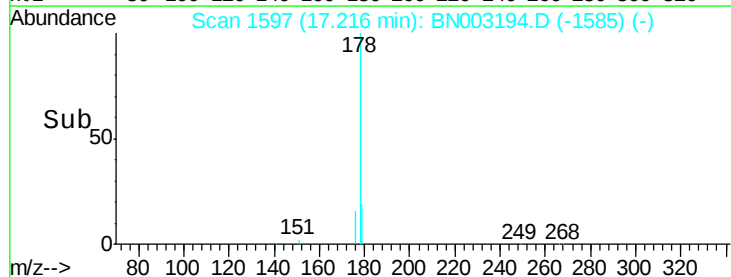
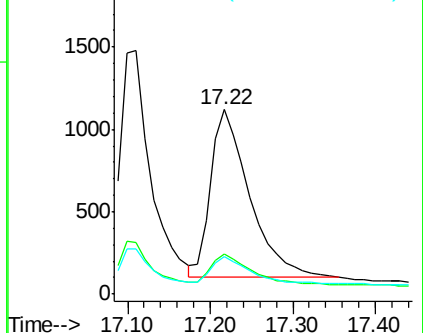
179 15.9 12.3 18.5

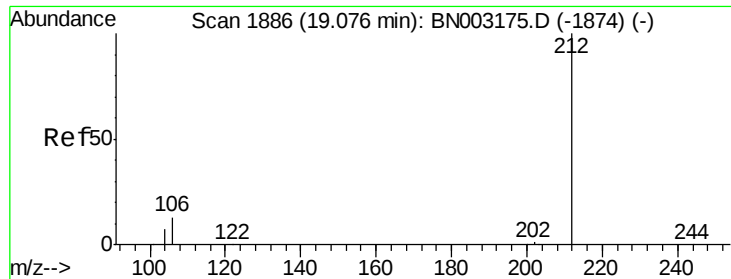


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.235 ng

RT: 19.10 min Scan# 1890

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

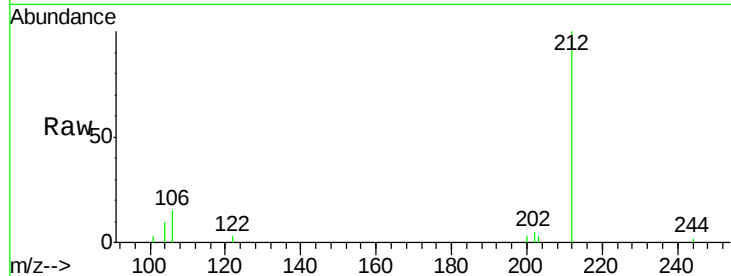
Tgt Ion:212 Resp: 4533

Ion Ratio Lower Upper

212 100

106 13.1 10.2 15.4

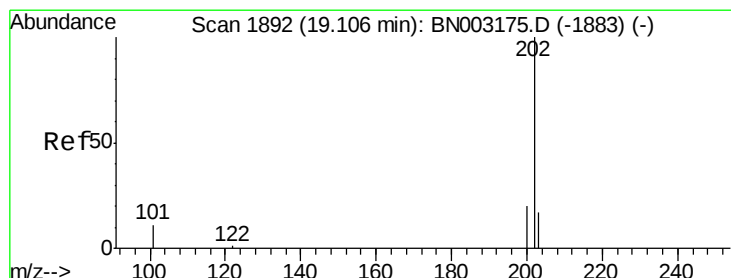
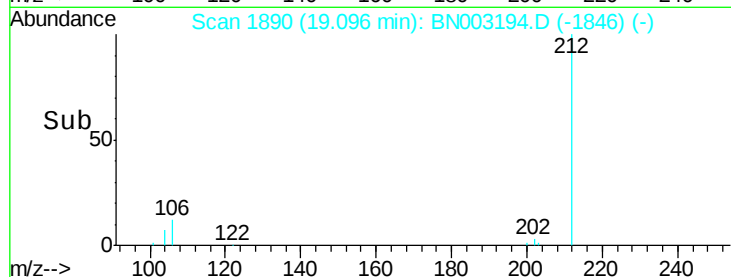
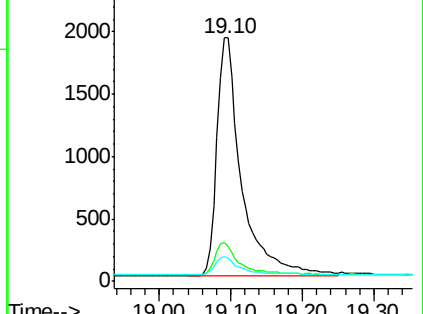
104 7.6 5.8 8.6



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: 0.250 ng

RT: 19.13 min Scan# 1896

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

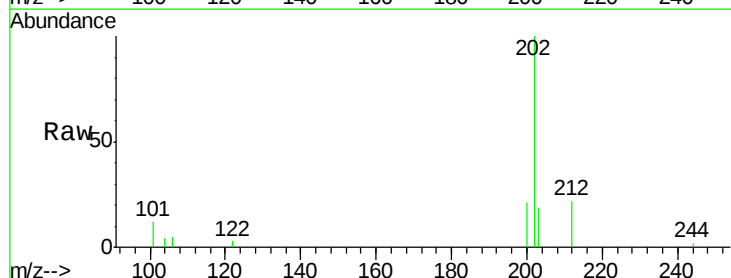
Tgt Ion:202 Resp: 5227

Ion Ratio Lower Upper

202 100

101 10.8 8.6 12.8

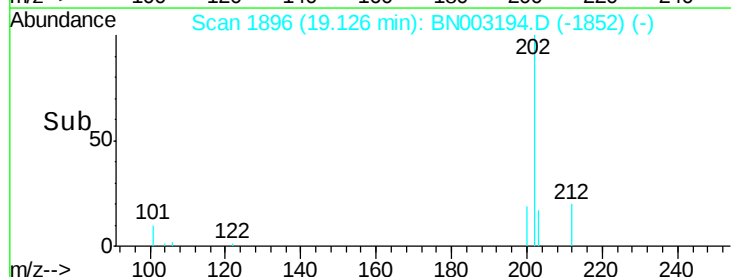
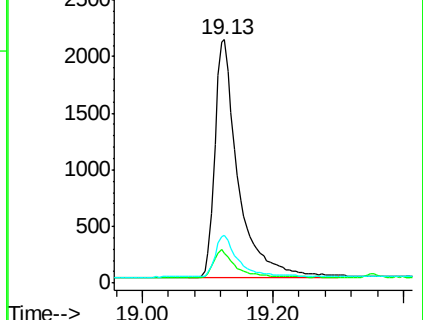
203 16.6 13.7 20.5

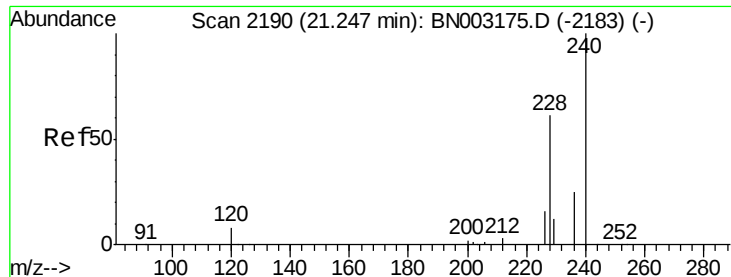


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

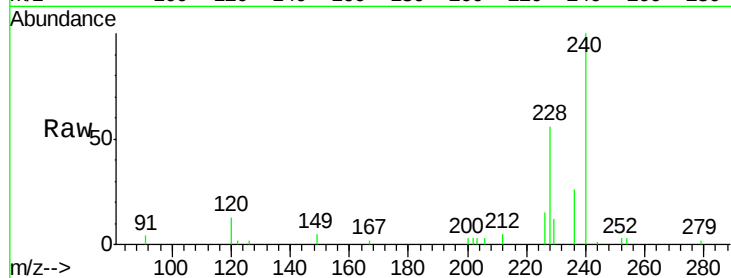




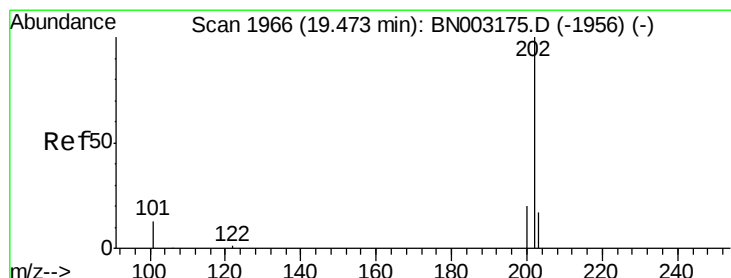
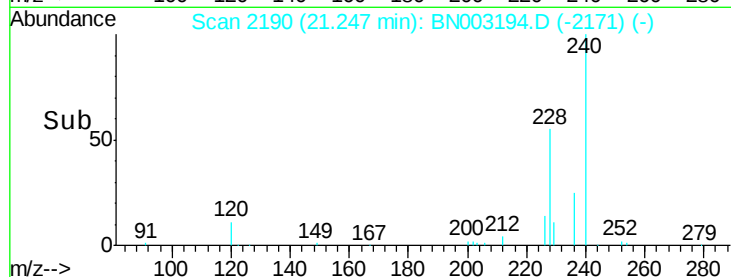
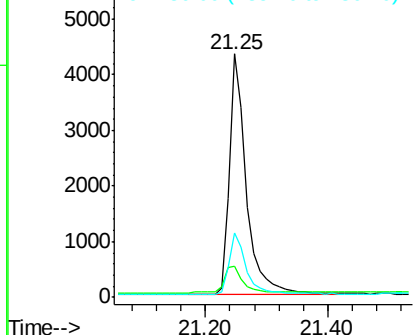
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

Instrument :
BNA_N
ClientSampleId :
PB113685BS

Tgt Ion:240 Resp: 8463
Ion Ratio Lower Upper
240 100
120 12.6 7.8 11.8#
236 26.5 21.0 31.4

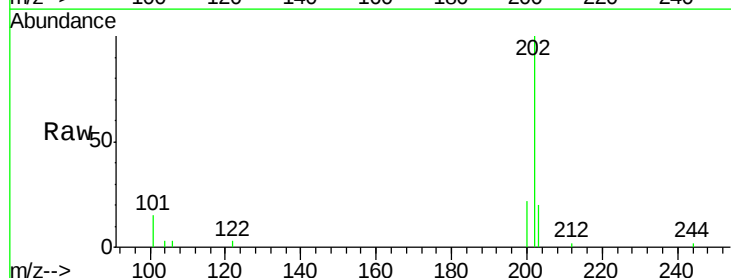


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

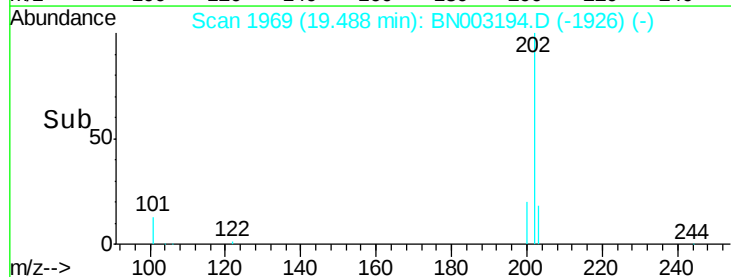
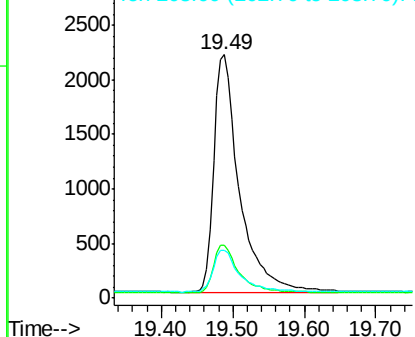


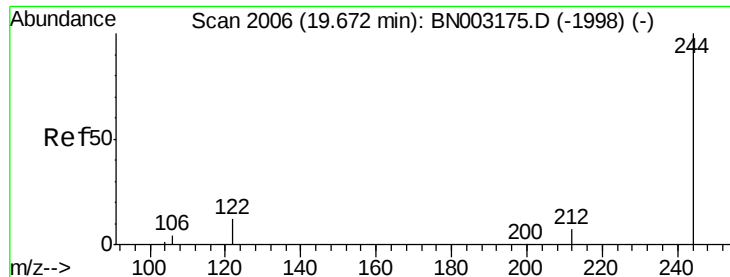
#28
Pyrene
Concen: 0.227 ng
RT: 19.49 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BN003194.D
Acq: 17 Oct 2018 23:33

Tgt Ion:202 Resp: 5379
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 18.6 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: 0.181 ng

RT: 19.69 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

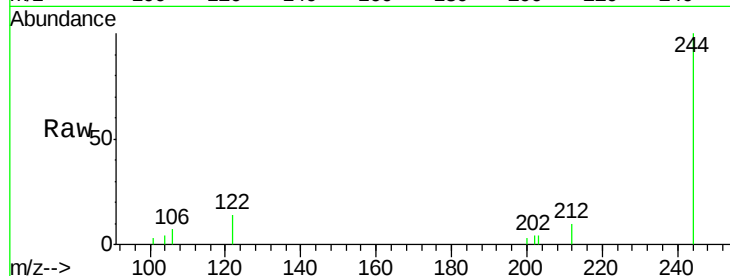
Tgt Ion:244 Resp: 3319

Ion Ratio Lower Upper

244 100

212 9.6 6.2 9.4#

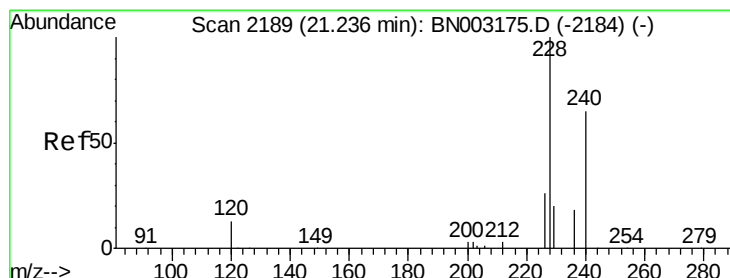
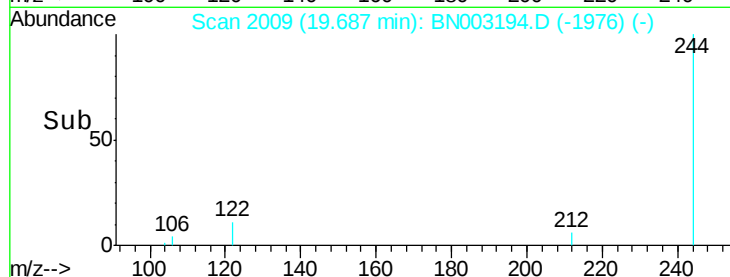
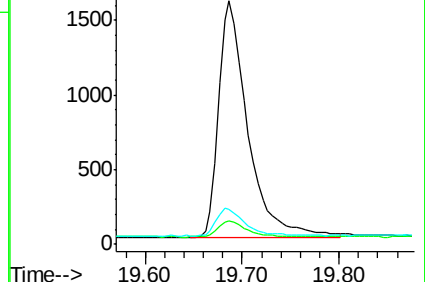
122 14.2 9.1 13.7#



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: 0.249 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

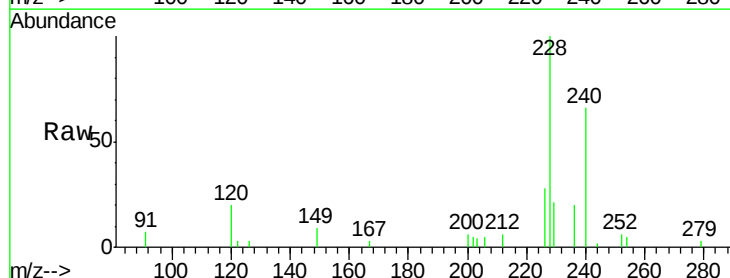
Tgt Ion:228 Resp: 5673

Ion Ratio Lower Upper

228 100

226 27.9 21.4 32.2

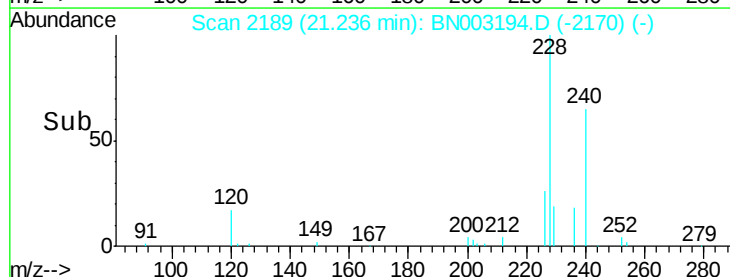
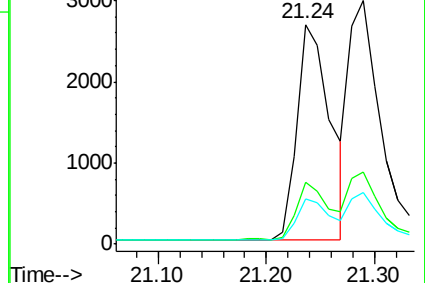
229 20.7 16.4 24.6

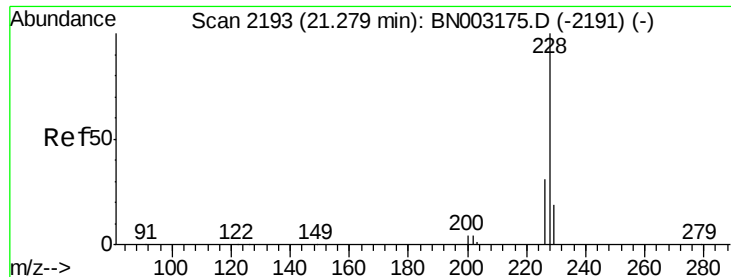


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.230 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

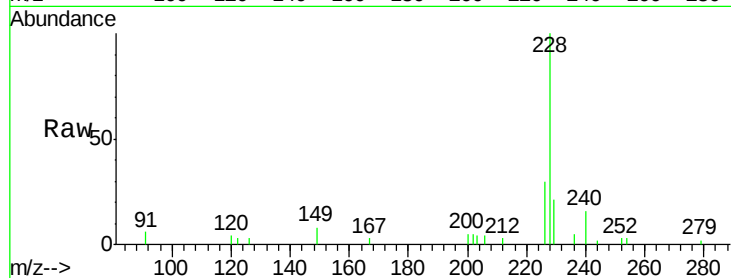
Tgt Ion:228 Resp: 5968

Ion Ratio Lower Upper

228 100

226 29.5 23.1 34.7

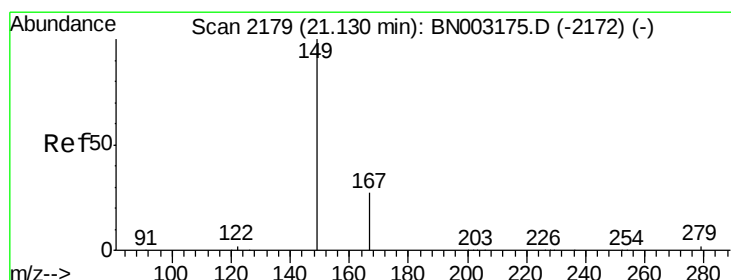
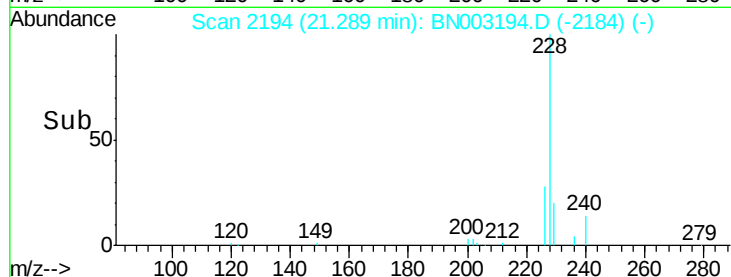
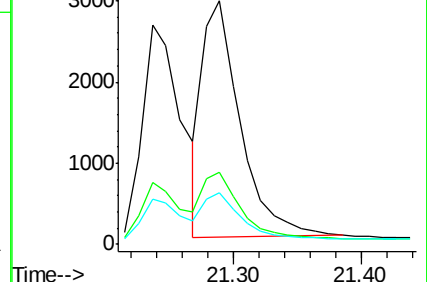
229 21.3 15.9 23.9



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: 0.223 ng

RT: 21.13 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

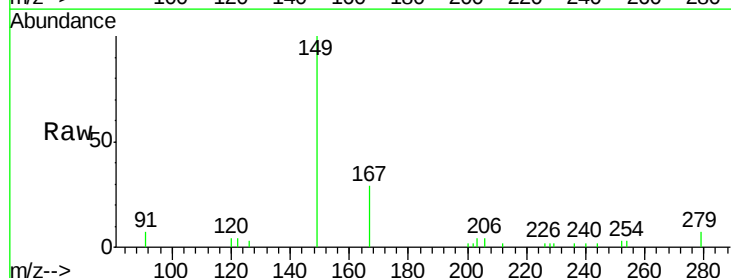
Tgt Ion:149 Resp: 3013

Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

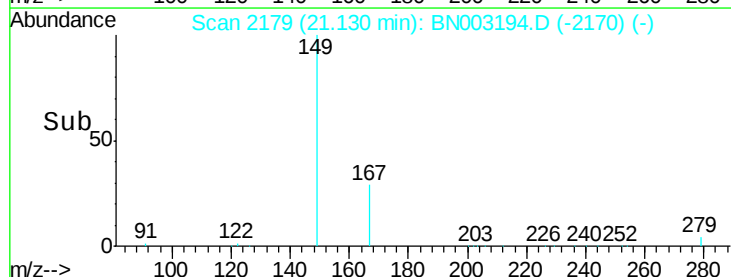
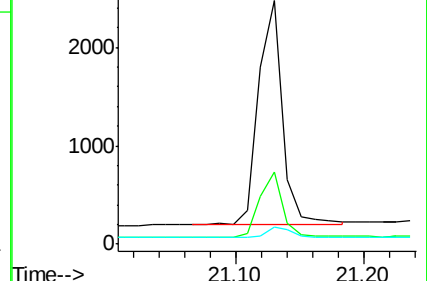
279 4.9 3.7 5.5

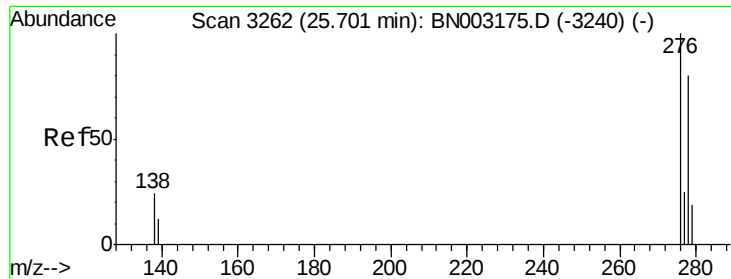


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.242 ng

RT: 25.72 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

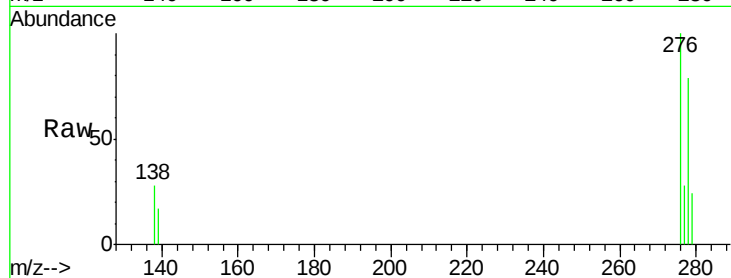
Tgt Ion:276 Resp: 7436

Ion Ratio Lower Upper

276 100

138 23.7 18.2 27.4

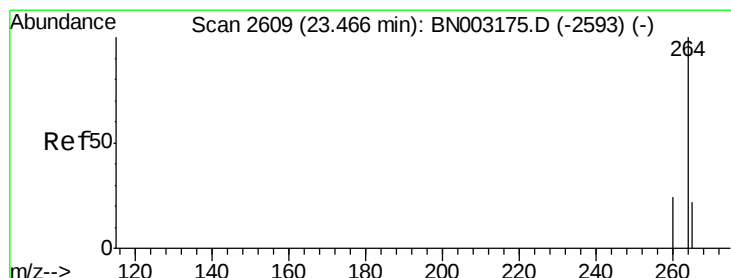
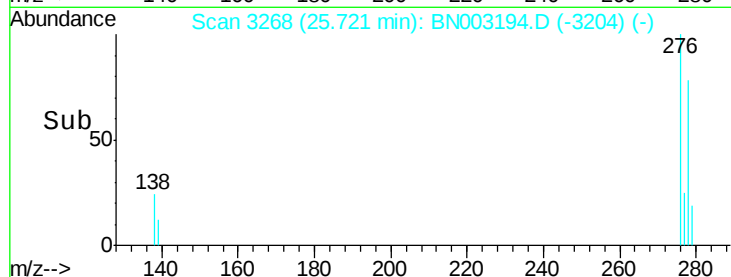
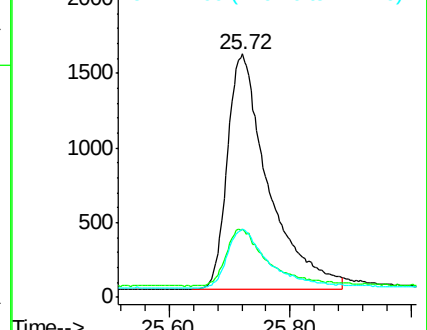
277 25.1 20.2 30.4



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: 23.47 min Scan# 2611

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

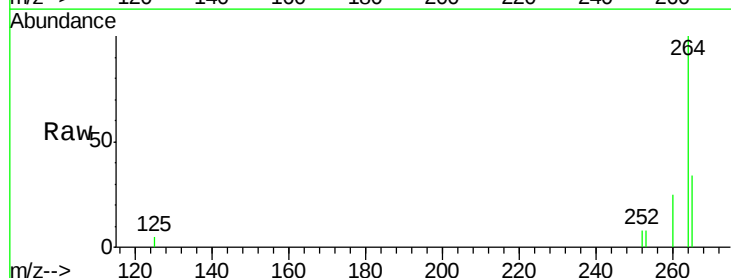
Tgt Ion:264 Resp: 9221

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

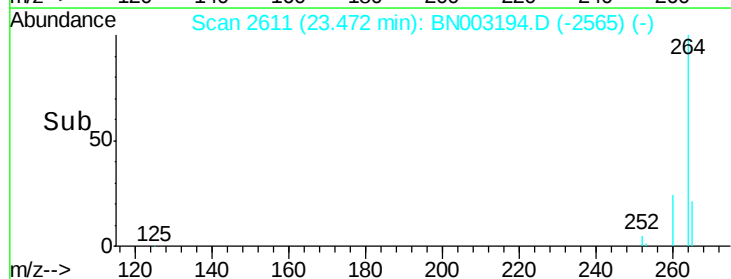
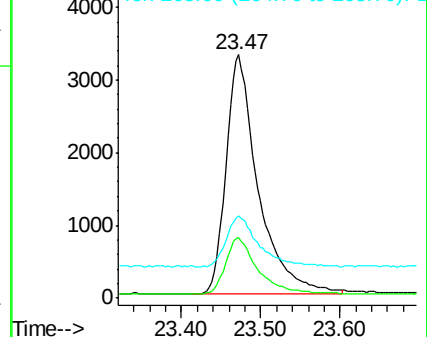
265 33.7 27.6 41.4

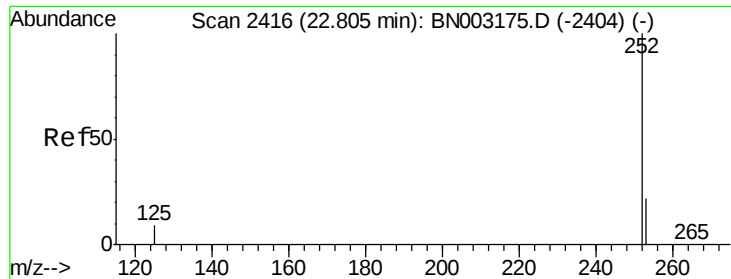


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.245 ng

RT: 22.81 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

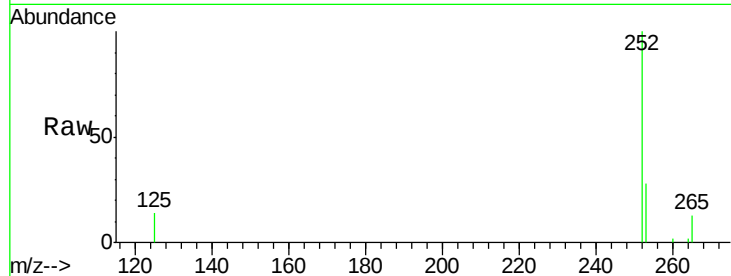
Tgt Ion:252 Resp: 6112

Ion Ratio Lower Upper

252 100

253 27.7 20.8 31.2

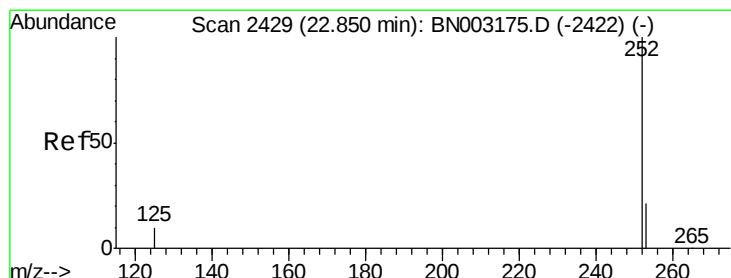
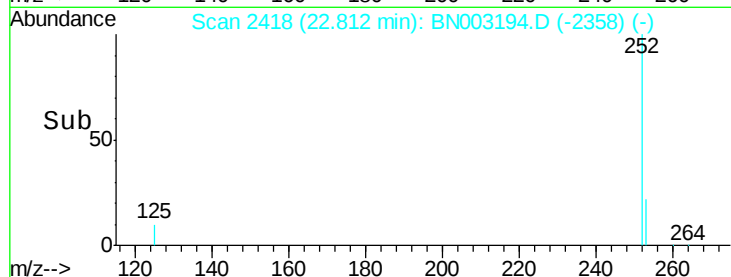
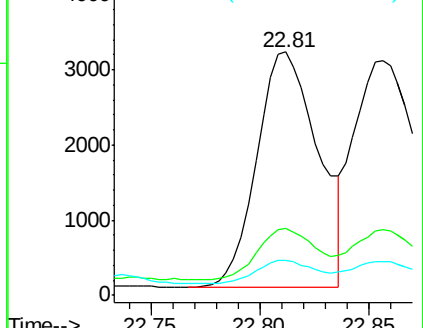
125 14.2 9.6 14.4



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: 0.243 ng

RT: 22.86 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

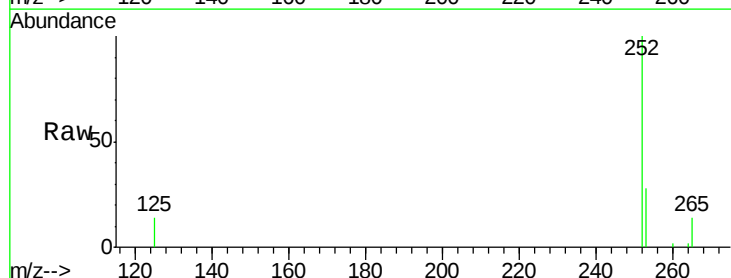
Tgt Ion:252 Resp: 7136

Ion Ratio Lower Upper

252 100

253 28.2 20.5 30.7

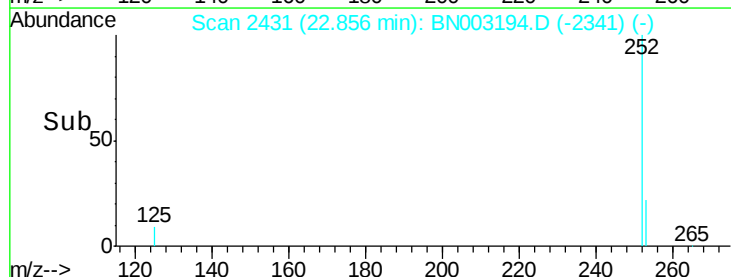
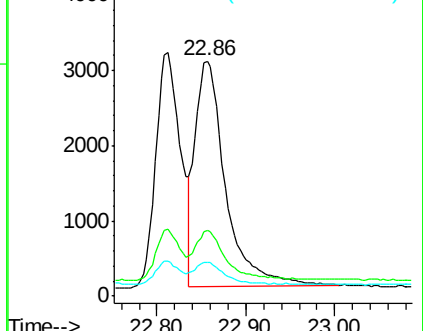
125 14.1 9.4 14.0#

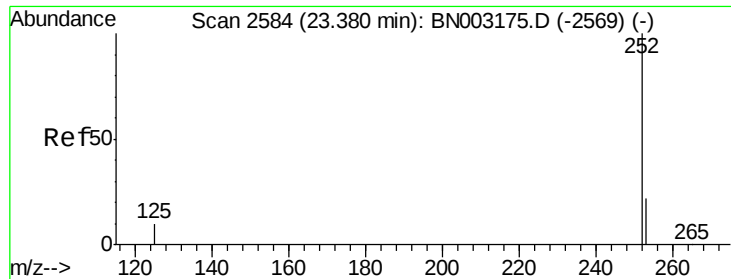


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.250 ng

RT: 23.39 min Scan# 2588

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS

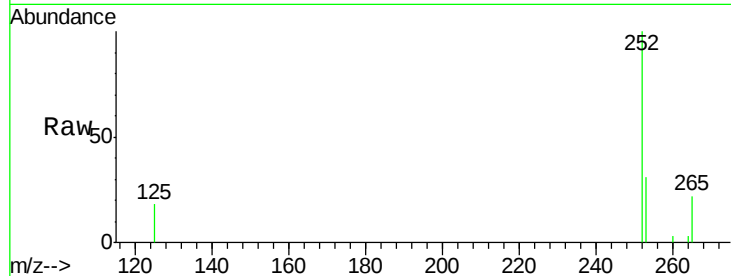
Tgt Ion:252 Resp: 6414

Ion Ratio Lower Upper

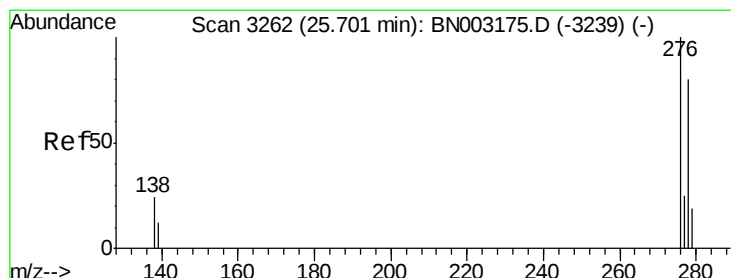
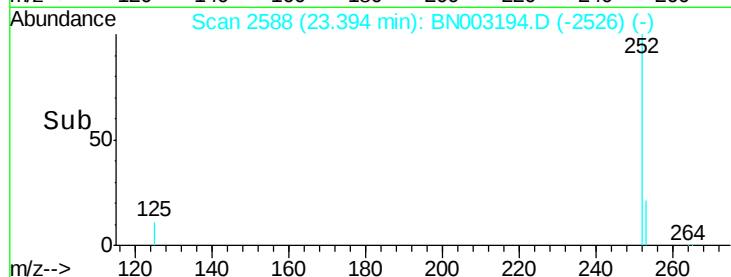
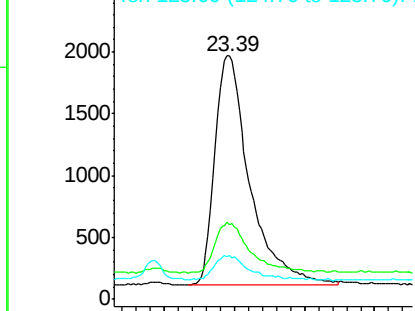
252 100

253 30.6 22.4 33.6

125 18.1 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: 0.235 ng

RT: 25.71 min Scan# 3266

Delta R.T. 0.01 min

Lab File: BN003194.D

Acq: 17 Oct 2018 23:33

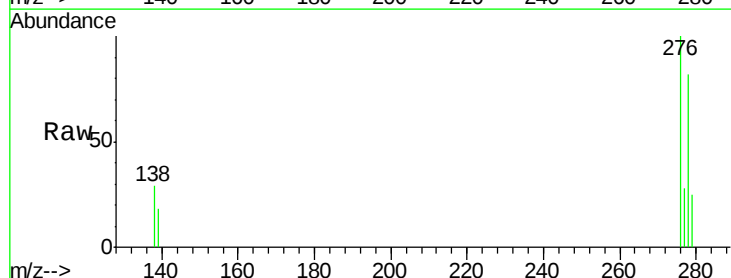
Tgt Ion:278 Resp: 6167

Ion Ratio Lower Upper

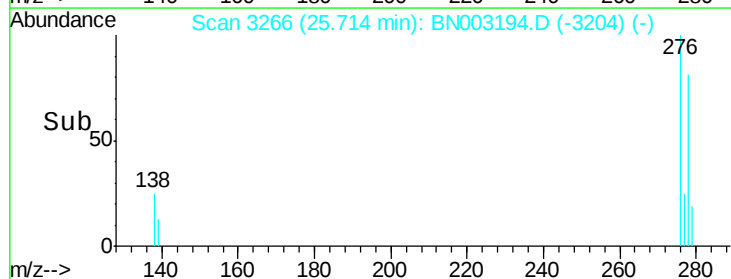
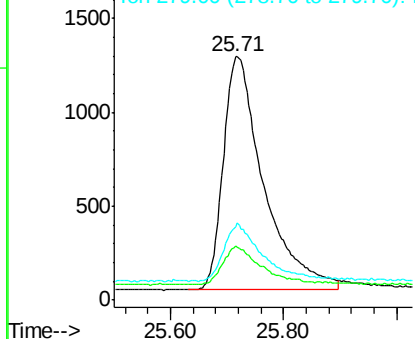
278 100

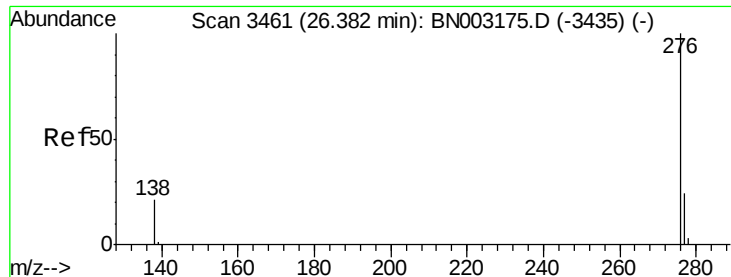
139 22.2 14.6 21.8#

279 30.4 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: 0.242 ng

RT: 26.39 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BN003194.D

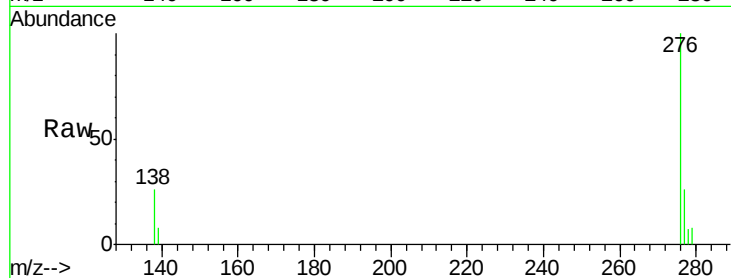
Acq: 17 Oct 2018 23:33

Instrument :

BNA_N

ClientSampleId :

PB113685BS



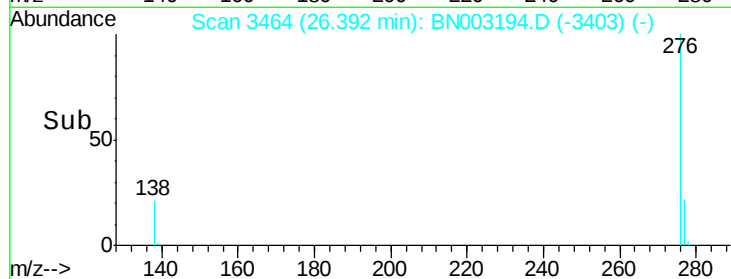
Tgt Ion: 276 Resp: 6416

Ion Ratio Lower Upper

276 100

277 26.5 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

