

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101818\
 Data File : BN003200.D
 Acq On : 18 Oct 2018 10:44
 Operator : MJ/SJ
 Sample : PB113752BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 19 02:10:27 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	7.66	152	764	0.40	ng	0.02
7) Naphthalene-d8	10.47	136	3345	0.40	ng	0.04
13) Acenaphthene-d10	14.30	164	2339	0.40	ng	0.02
19) Phenanthrene-d10	17.07	188	6608	0.40	ng	0.02
27) Chrysene-d12	21.26	240	9332	0.40	ng	0.01
34) Perylene-d12	23.48	264	10091	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	395	0.23	ng	0.06
5) Phenol-d6	7.03	99	463	0.19	ng	0.10
8) Nitrobenzene-d5	8.96	82	389	0.18	ng	0.09
11) 2-Methylnaphthalene-d10	12.10	152	1619	0.29	ng	0.06
14) 2,4,6-Tribromophenol	15.86	330	383	0.26	ng	0.03
15) 2-Fluorobiphenyl	12.96	172	2207	0.24	ng	0.03
25) Fluoranthene-d10	19.10	212	5555	0.27	ng	0.02
29) Terphenyl-d14	19.69	244	6446	0.32	ng	0.01

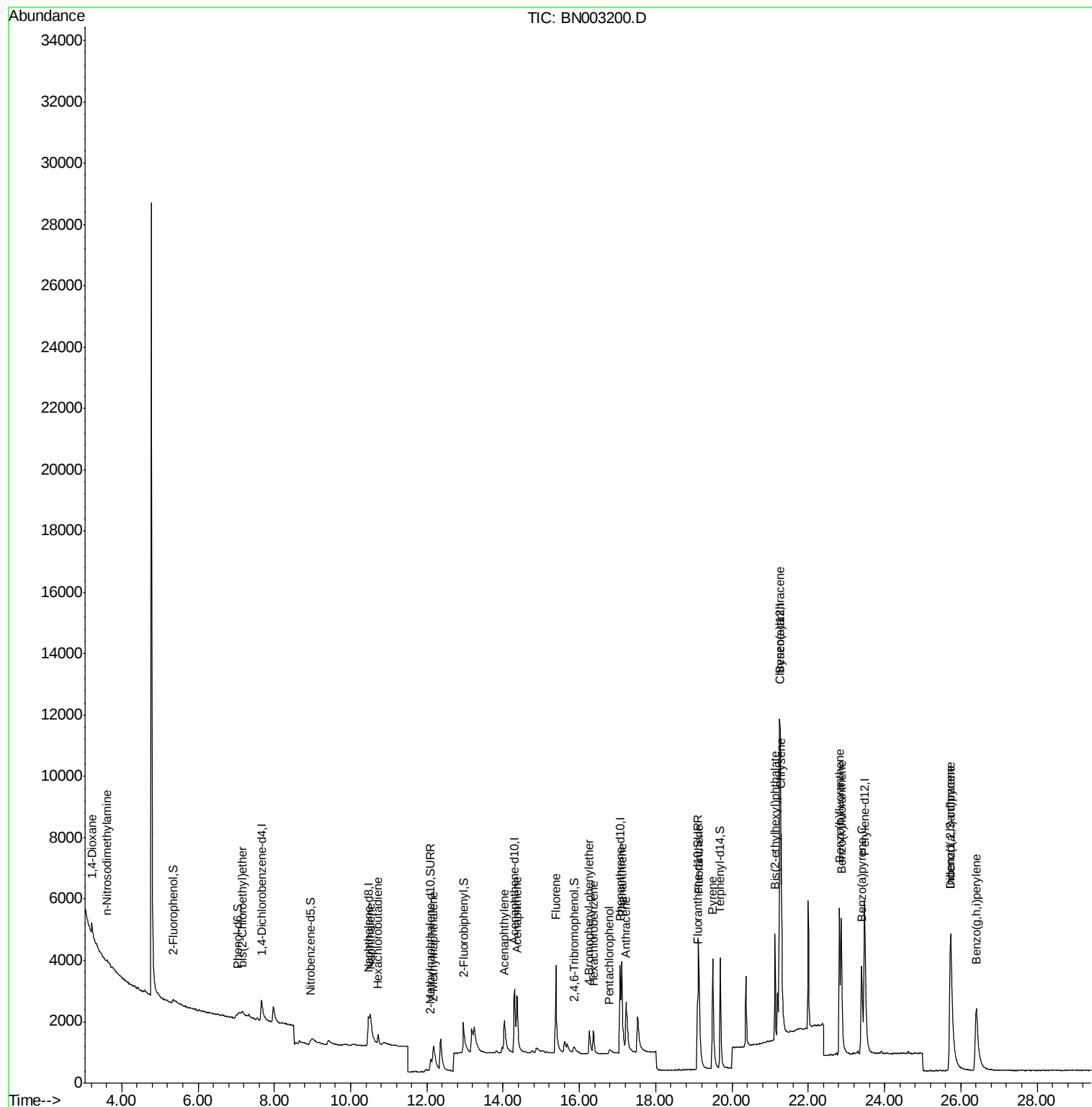
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	353	0.302	ng	# 62
3) n-Nitrosodimethylamine	3.62	42	76	0.273	ng	# 45
6) bis(2-Chloroethyl)ether	7.15	93	1008	0.500	ng	# 50
9) Naphthalene	10.52	128	2238	0.269	ng	# 82
10) Hexachlorobutadiene	10.72	225	408	0.250	ng	# 96
12) 2-Methylnaphthalene	12.18	142	1460	0.256	ng	96
16) Acenaphthylene	14.03	152	2581	0.243	ng	99
17) Acenaphthene	14.37	154	1747	0.247	ng	99
18) Fluorene	15.38	166	2451	0.266	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	727	0.197	ng	94
21) Hexachlorobenzene	16.37	284	883	0.217	ng	96
22) Pentachlorophenol	16.79	266	233	0.334	ng	91
23) Phenanthrene	17.11	178	4347	0.251	ng	99
24) Anthracene	17.23	178	3883	0.245	ng	99
26) Fluoranthene	19.13	202	6132	0.277	ng	99
28) Pyrene	19.49	202	6343	0.243	ng	99
30) Benzo(a)anthracene	21.25	228	5982	0.238	ng	99
31) Chrysene	21.29	228	7745	0.270	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	3323	0.223	ng	97
33) Indeno(1,2,3-cd)pyrene	25.74	276	8711	0.257	ng	98
35) Benzo(b)fluoranthene	22.82	252	6654	0.244	ng	99
36) Benzo(k)fluoranthene	22.87	252	8806	0.274	ng	97
37) Benzo(a)pyrene	23.40	252	7685	0.274	ng	96
38) Dibenzo(a,h)anthracene	25.73	278	7153	0.249	ng	98
39) Benzo(g,h,i)perylene	26.41	276	7588	0.262	ng	97

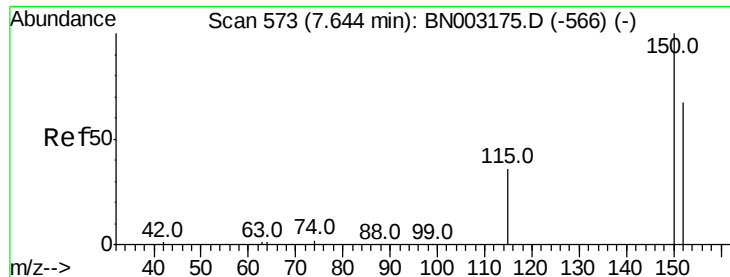
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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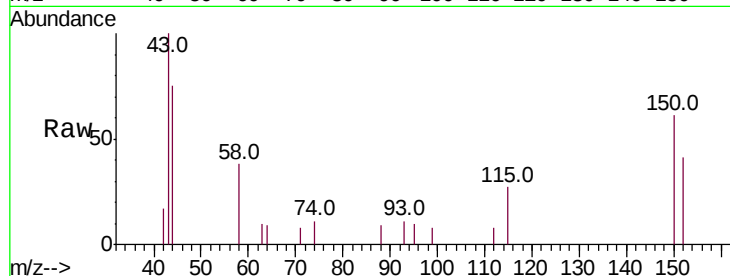


#1

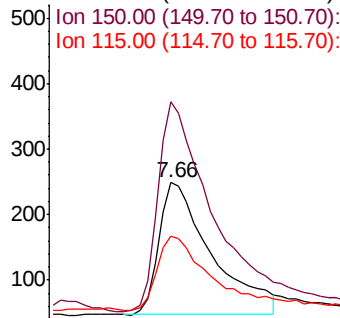
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.02 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

Instrument :
BNA_N
ClientSampleId :

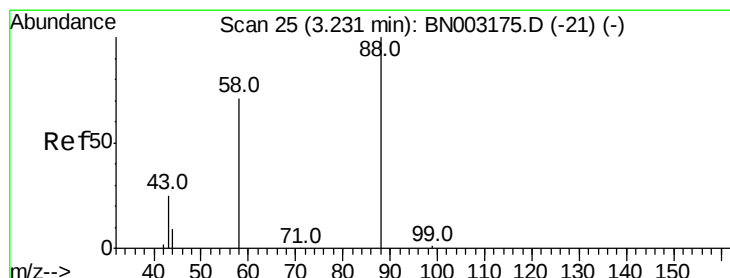
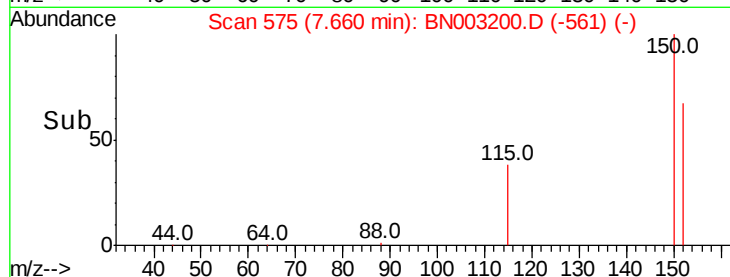
Tot Ion:152 Resp: 764
Ion Ratio Lower Upper
152 100
150 149.4 126.2 189.4
115 67.1 49.8 74.6



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



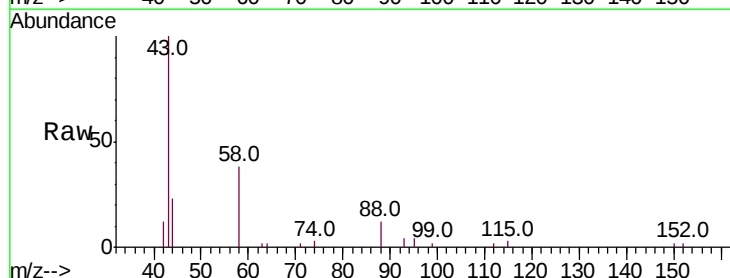
Time-->



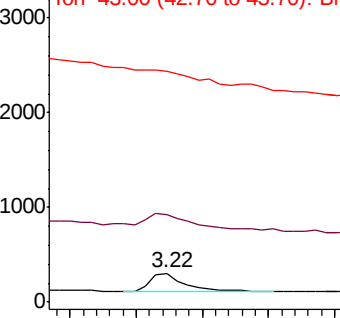
#2

1,4-Dioxane
Concen: 0.302 ng
RT: 3.22 min Scan# 24
Delta R.T. -0.01 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

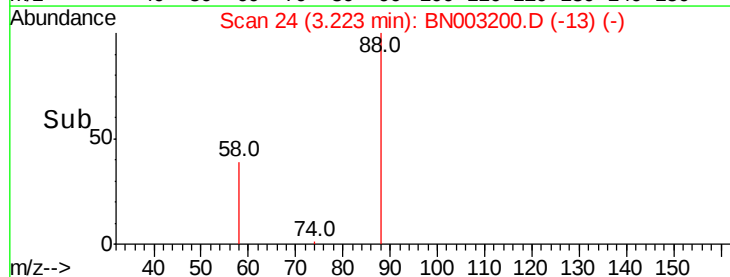
Tgt Ion: 88 Resp: 353
Ion Ratio Lower Upper
88 100
58 111.3 66.7 100.1#
43 0.0 24.6 37.0#

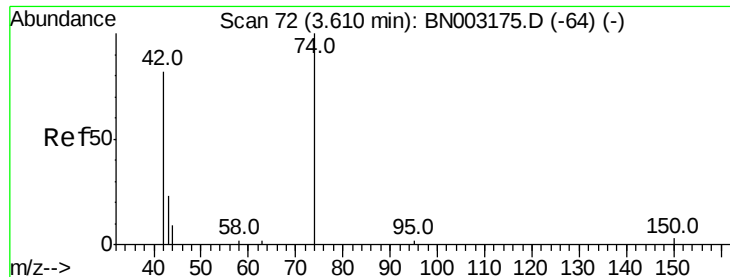


Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.273 ng

RT: 3.62 min Scan# 73

Delta R.T. 0.01 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

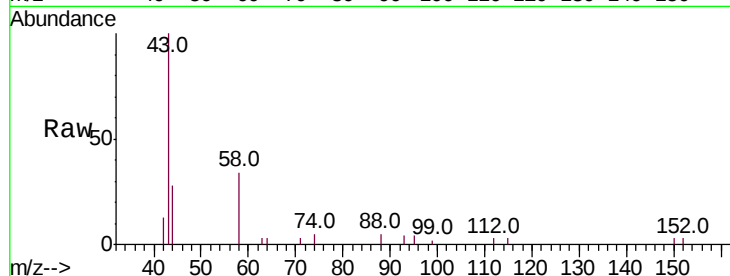
Tot Ion: 42 Resp: 76

Ion Ratio Lower Upper

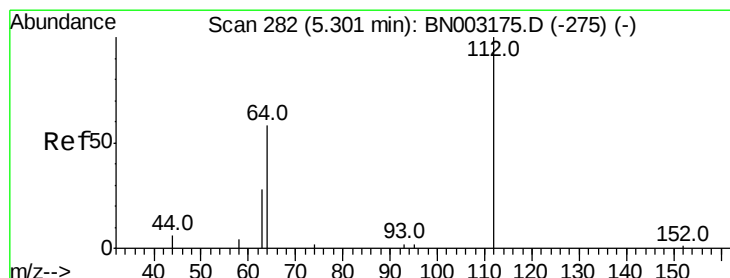
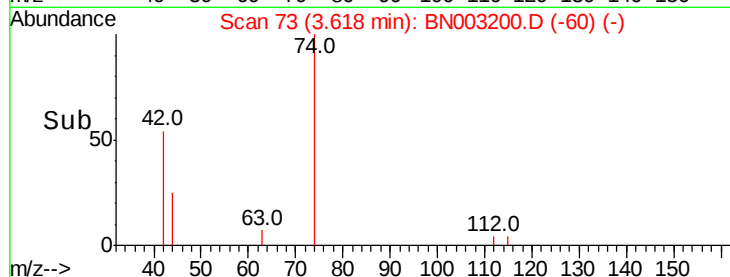
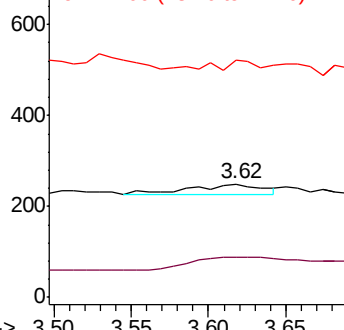
42 100

74 192.1 102.9 154.3#

44 27.6 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.234 ng

RT: 5.36 min Scan# 289

Delta R.T. 0.06 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

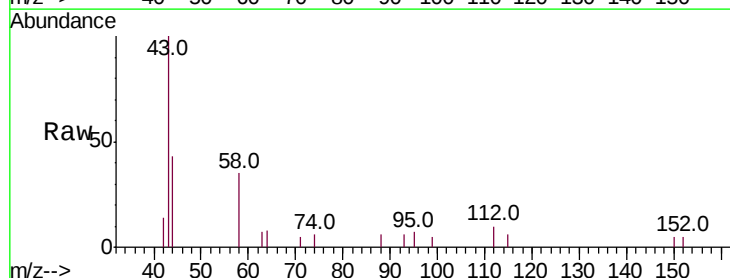
Tgt Ion: 112 Resp: 395

Ion Ratio Lower Upper

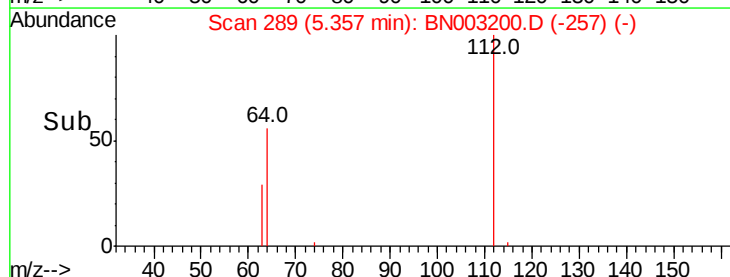
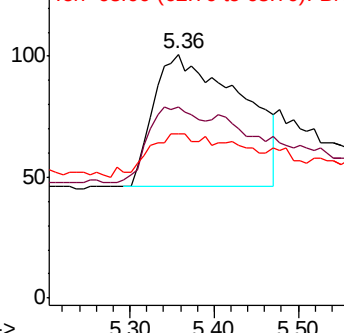
112 100

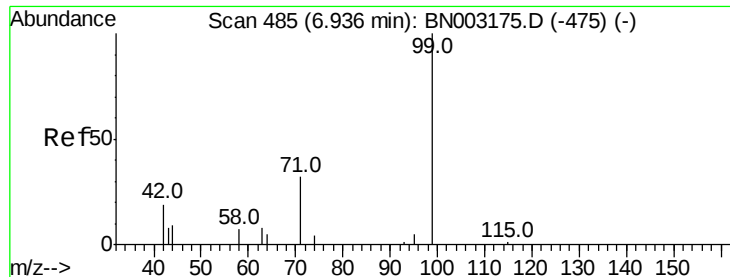
64 33.4 49.0 73.4#

63 23.5 25.9 38.9#



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





#5

Phenol-d6

Concen: 0.192 ng

RT: 7.03 min Scan# 497

Delta R.T. 0.10 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

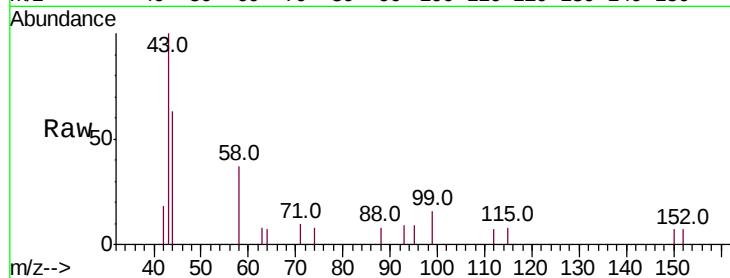
Tot Ion: 99 Resp: 463

Ion Ratio Lower Upper

99 100

42 4.8 15.4 23.2#

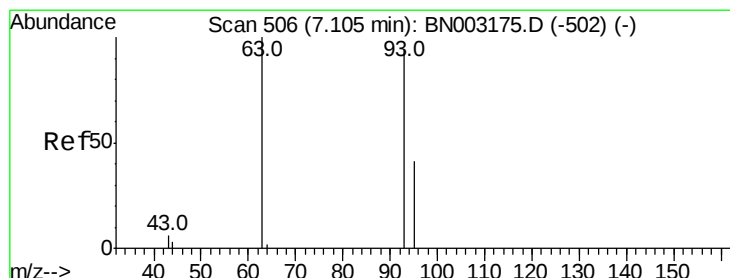
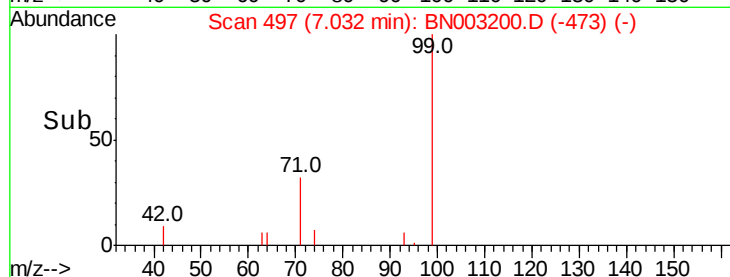
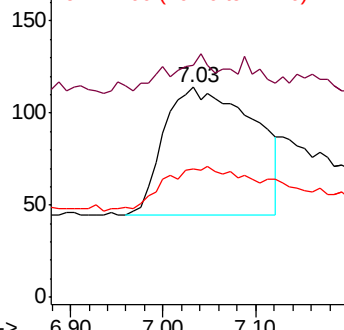
71 29.4 26.0 39.0



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: 0.500 ng

RT: 7.15 min Scan# 512

Delta R.T. 0.05 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

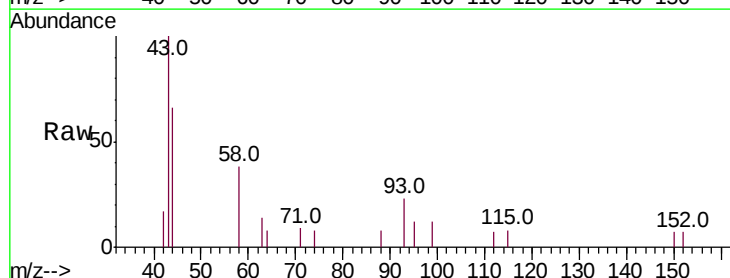
Tgt Ion: 93 Resp: 1008

Ion Ratio Lower Upper

93 100

63 27.5 54.2 81.4#

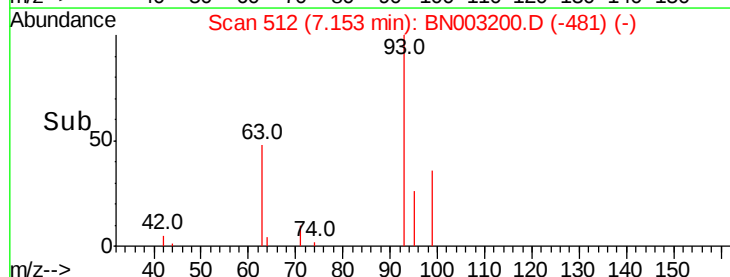
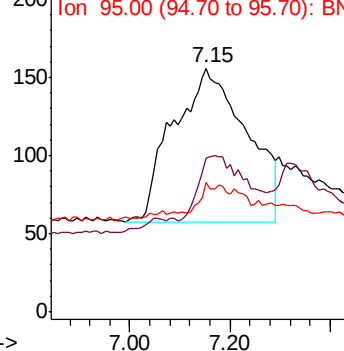
95 3.6 24.9 37.3#

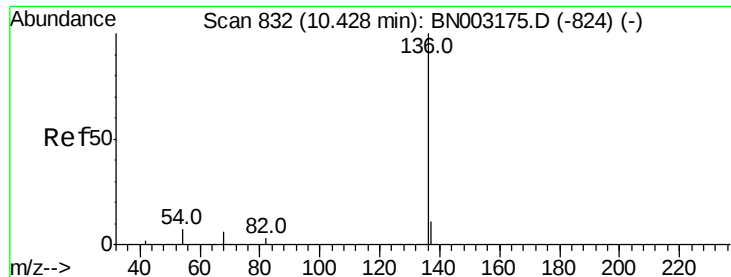


Abundance Ion 93.00 (92.70 to 93.70): BNC

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: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 3345

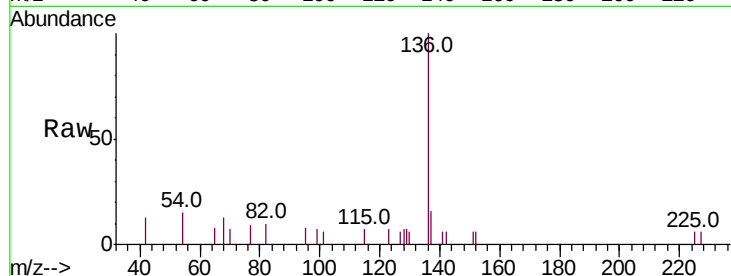
Ion Ratio Lower Upper

136 100

137 16.2 9.4 14.0#

54 14.9 7.4 11.0#

68 13.4 5.8 8.6#

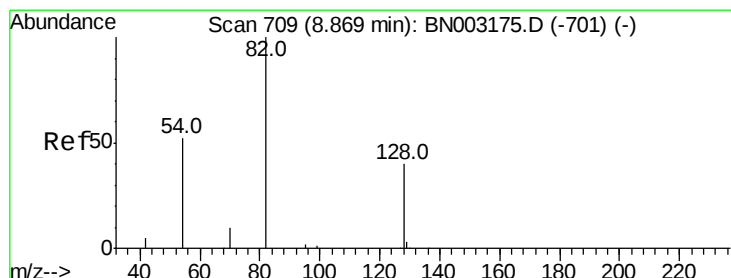
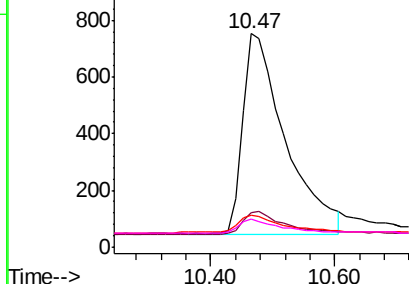
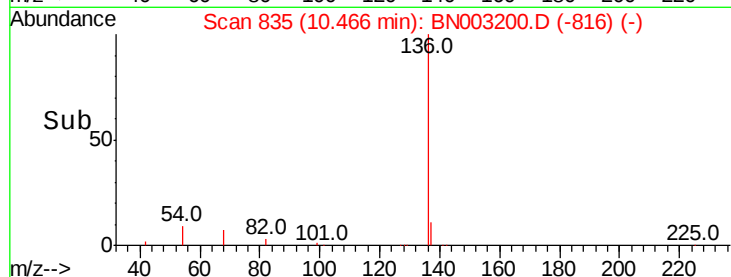


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.181 ng

RT: 8.96 min Scan# 716

Delta R.T. 0.09 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

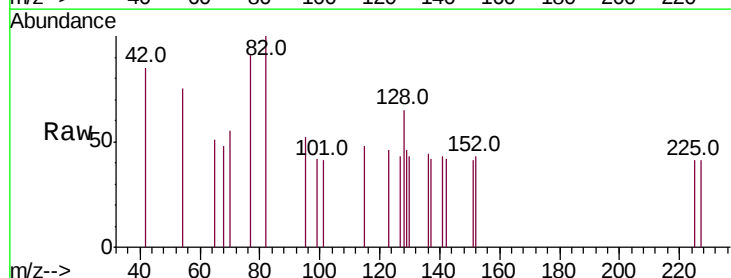
Tgt Ion: 82 Resp: 389

Ion Ratio Lower Upper

82 100

128 65.5 38.2 57.4#

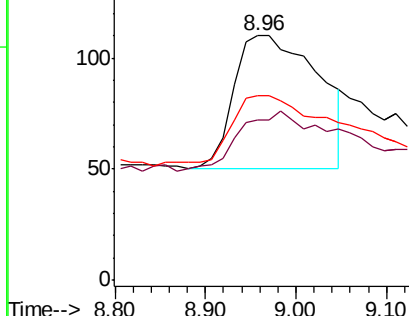
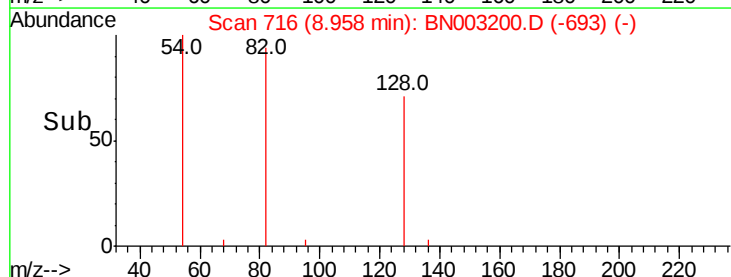
54 75.5 44.1 66.1#

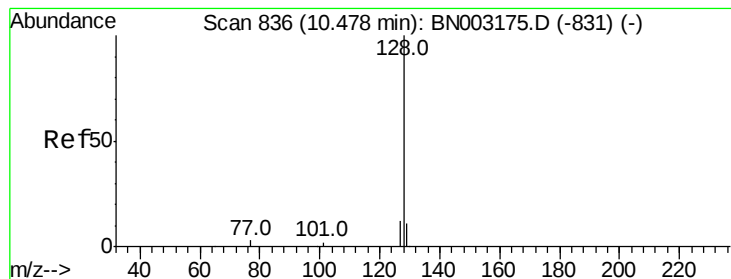


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.269 ng

RT: 10.52 min Scan# 839

Delta R.T. 0.04 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

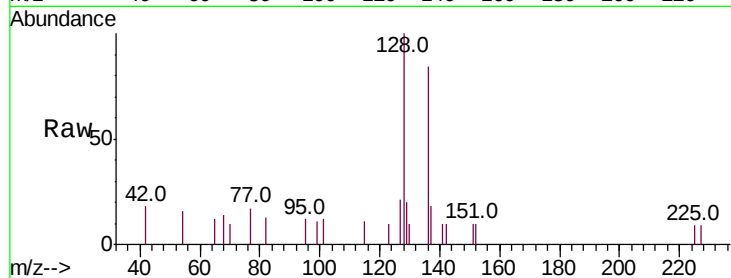
Tot Ion:128 Resp: 2238

Ion Ratio Lower Upper

128 100

129 20.0 9.8 14.6#

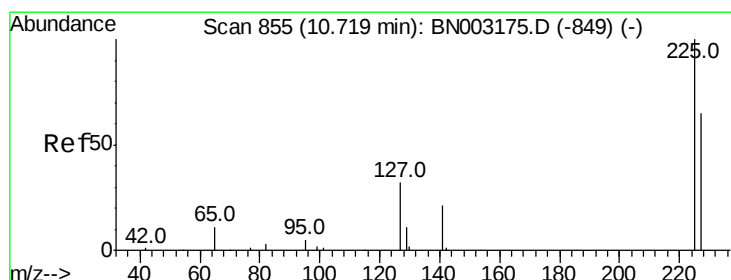
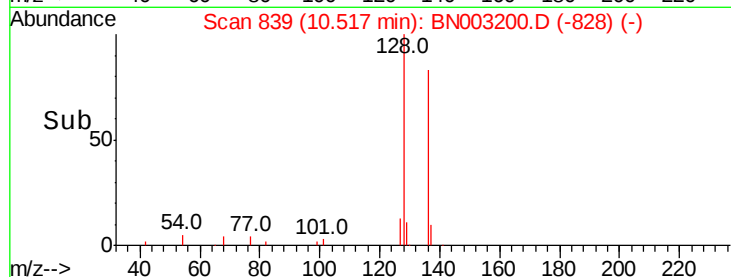
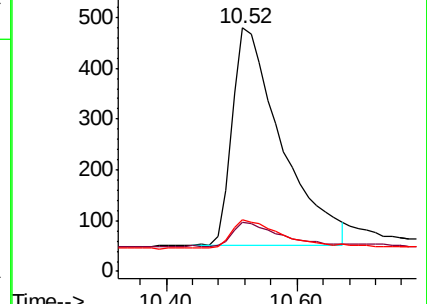
127 21.1 11.4 17.2#



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: 0.250 ng

RT: 10.72 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

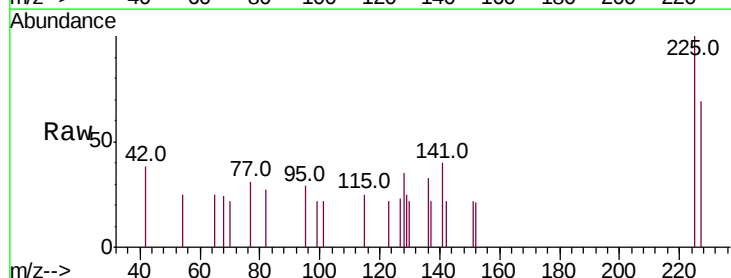
Tgt Ion:225 Resp: 408

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

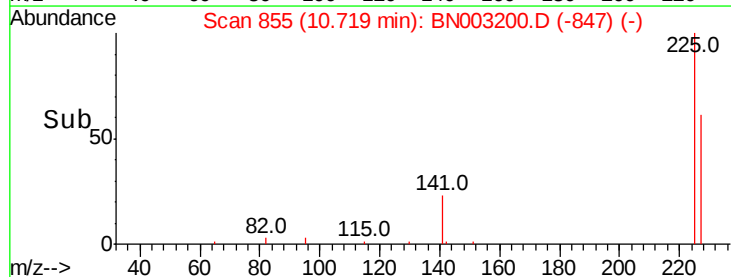
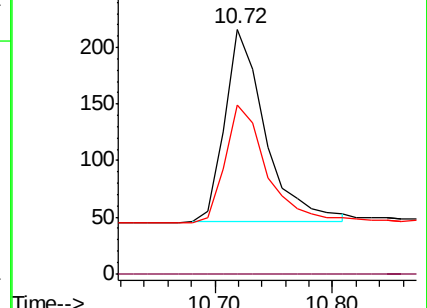
227 61.8 51.8 77.8

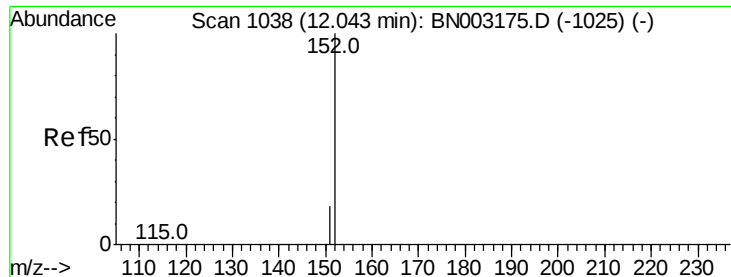


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

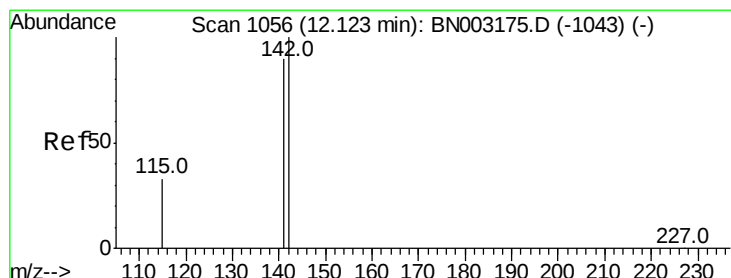
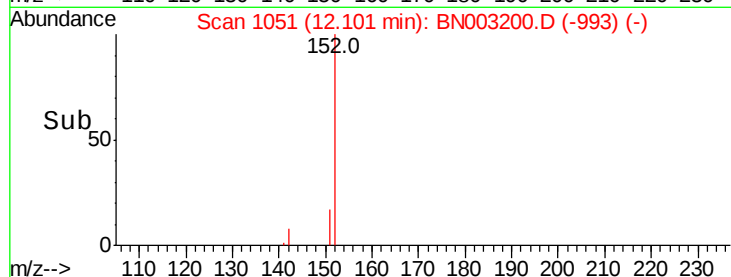
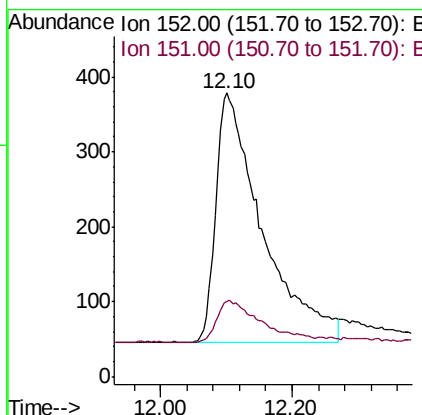
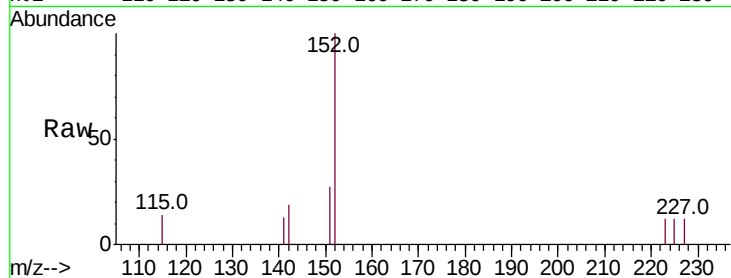




#11
 2-Methylnaphthalene-d10
 Concen: 0.286 ng
 RT: 12.10 min Scan# 1051
 Delta R.T. 0.06 min
 Lab File: BN003200.D
 Acq: 18 Oct 2018 10:44

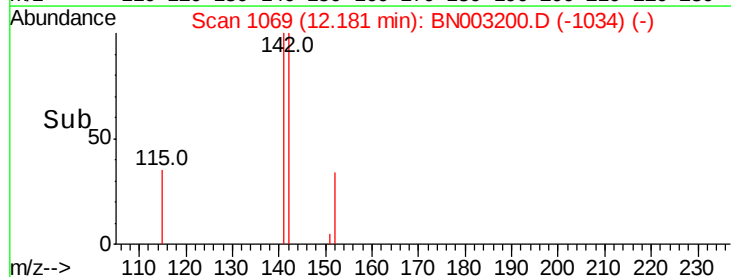
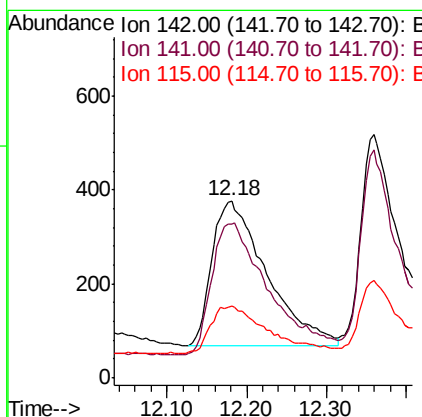
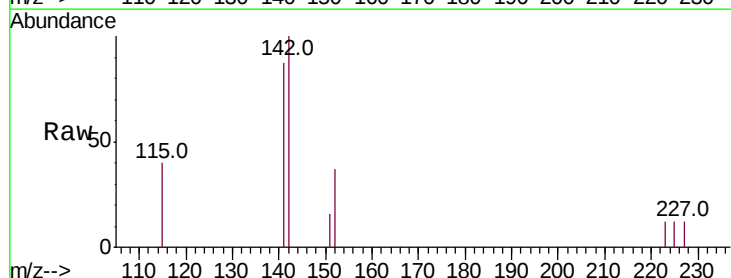
Instrument :
 BNA_N
 ClientSampleId :

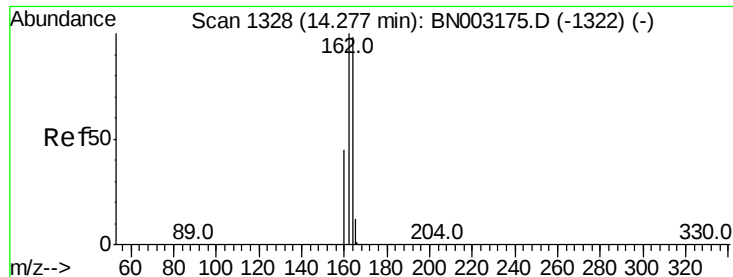
Tot Ion:152 Resp: 1619
 Ion Ratio Lower Upper
 152 100
 151 15.9 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.256 ng
 RT: 12.18 min Scan# 1069
 Delta R.T. 0.06 min
 Lab File: BN003200.D
 Acq: 18 Oct 2018 10:44

Tgt Ion:142 Resp: 1460
 Ion Ratio Lower Upper
 142 100
 141 87.0 71.5 107.3
 115 40.3 28.1 42.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampled :

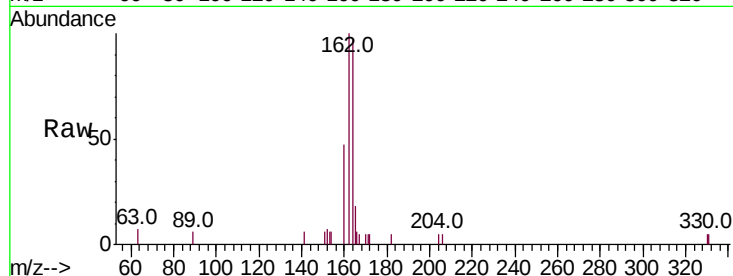
Tot Ion:164 Resp: 2339

Ion Ratio Lower Upper

164 100

162 102.9 81.7 122.5

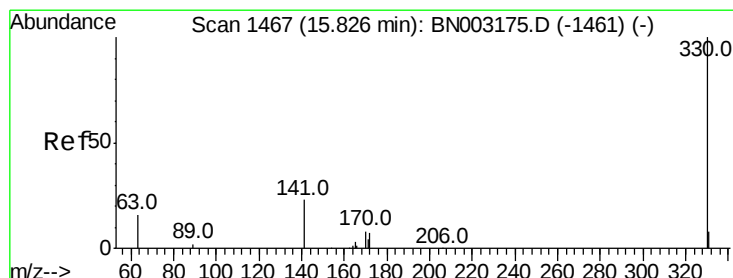
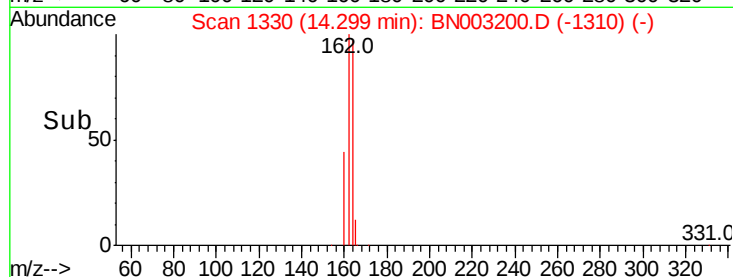
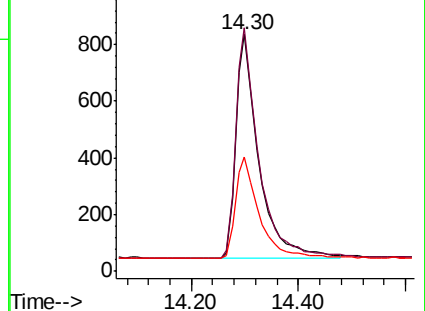
160 48.3 36.3 54.5



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: 0.257 ng

RT: 15.86 min Scan# 1470

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

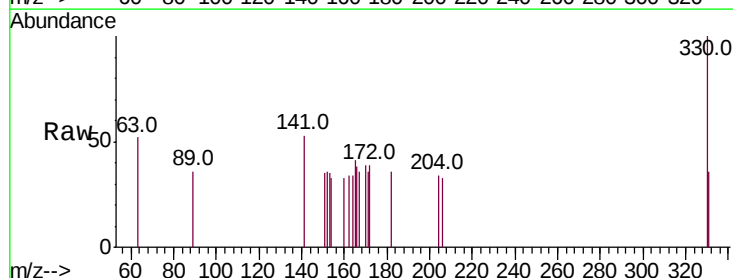
Tgt Ion:330 Resp: 383

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

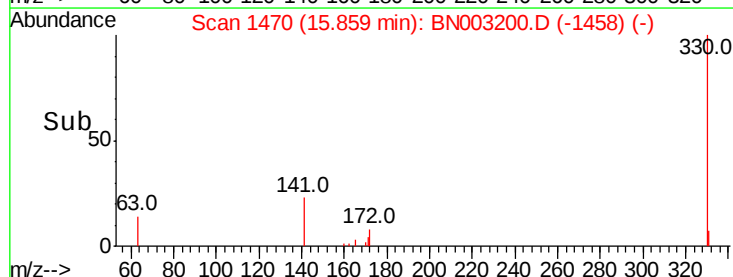
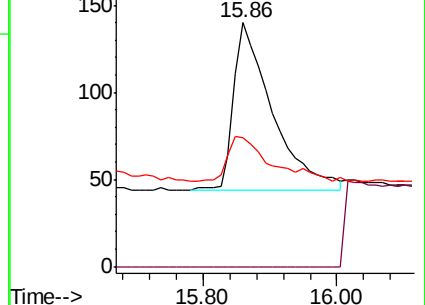
141 29.2 22.6 33.8

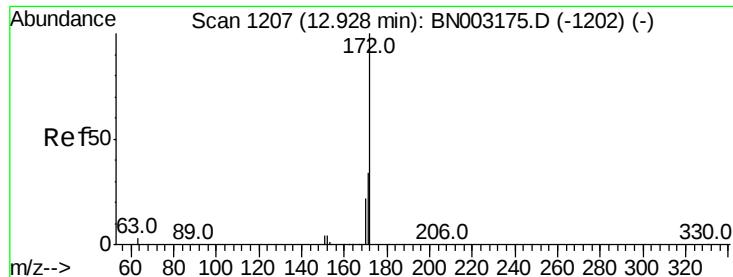


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.240 ng

RT: 12.96 min Scan# 1210

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

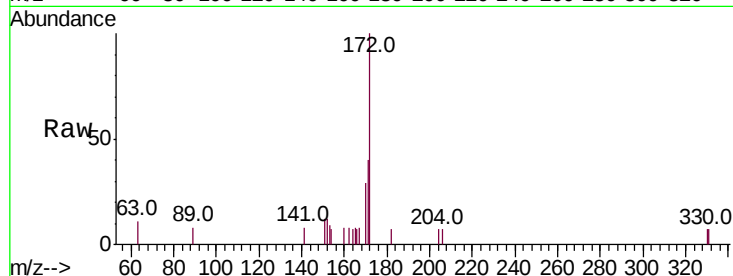
Tot Ion:172 Resp: 2207

Ion Ratio Lower Upper

172 100

171 39.9 28.6 43.0

170 28.6 18.6 27.8#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

12.96

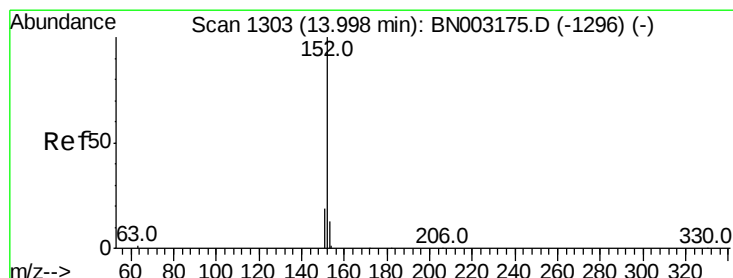
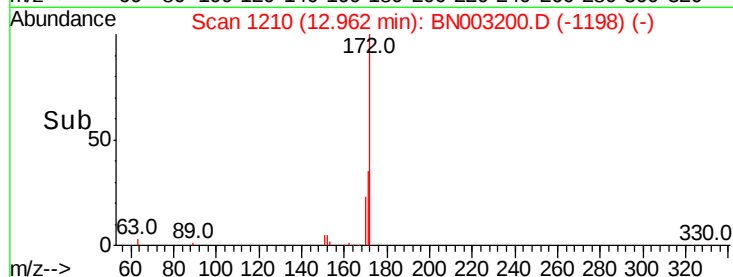
600

400

200

0

Time--> 12.80 13.00



#16

Acenaphthylene

Concen: 0.243 ng

RT: 14.03 min Scan# 1306

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

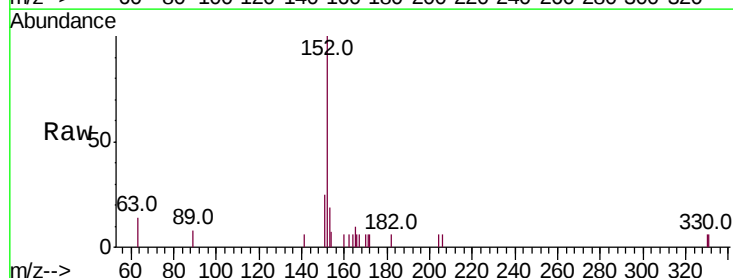
Tgt Ion:152 Resp: 2581

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

153 12.9 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.03

1000

800

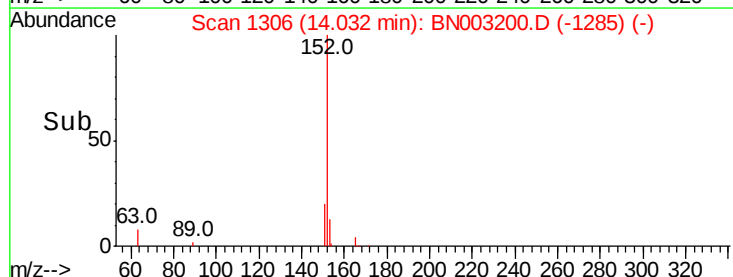
600

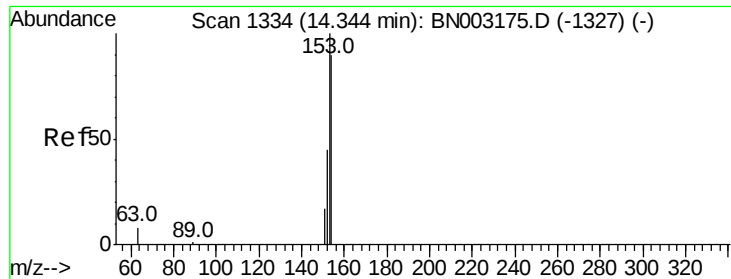
400

200

0

Time--> 14.00 14.20





#17

Acenaphthene

Concen: 0.247 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampled :

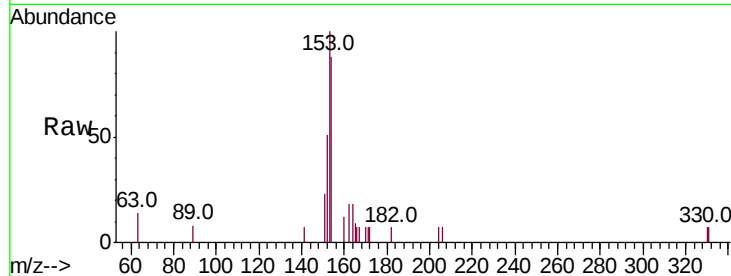
Tot Ion:154 Resp: 1747

Ion Ratio Lower Upper

154 100

153 114.2 91.0 136.4

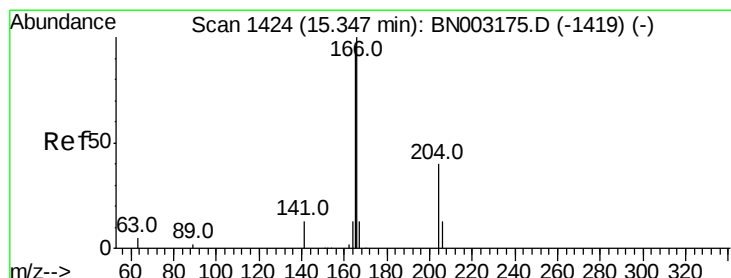
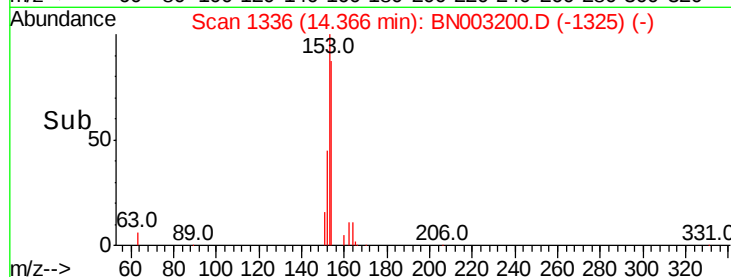
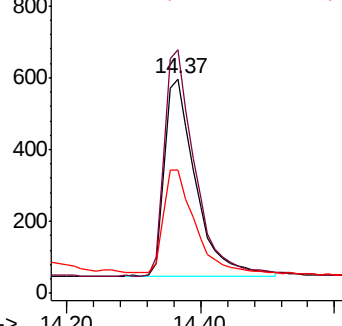
152 53.0 43.8 65.6



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: 0.266 ng

RT: 15.38 min Scan# 1427

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

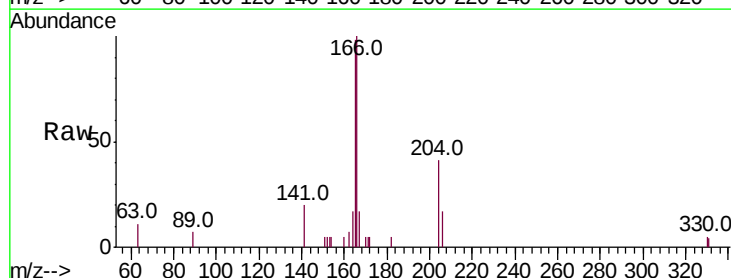
Tgt Ion:166 Resp: 2451

Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.2

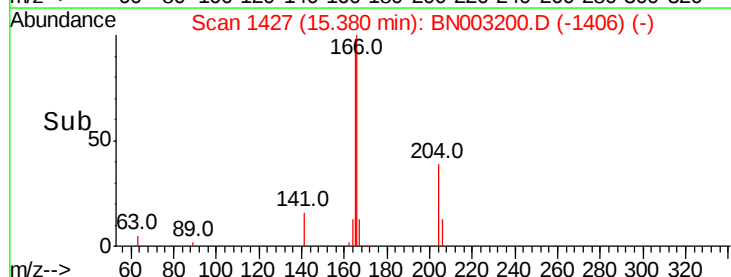
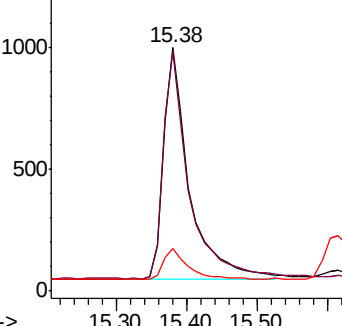
167 13.3 10.7 16.1

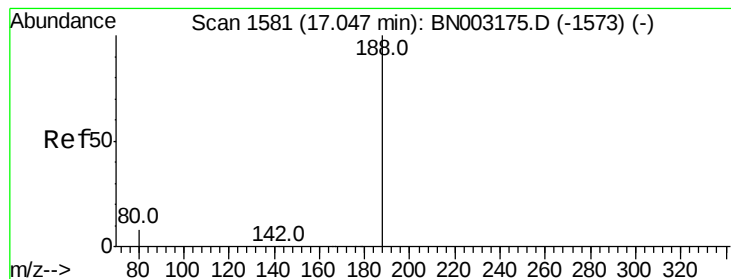


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1583

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

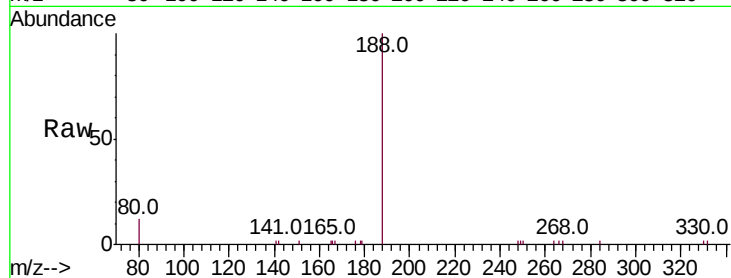
Tot Ion:188 Resp: 6608

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

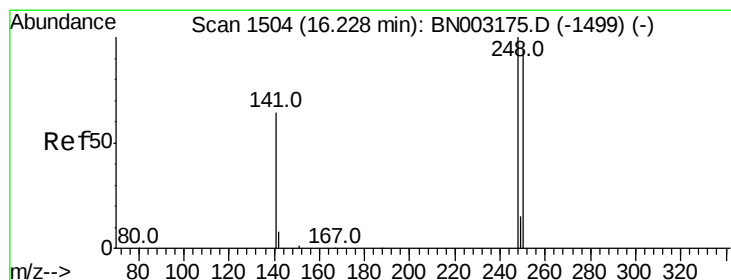
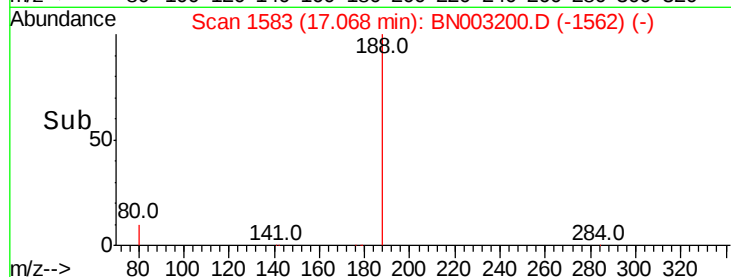
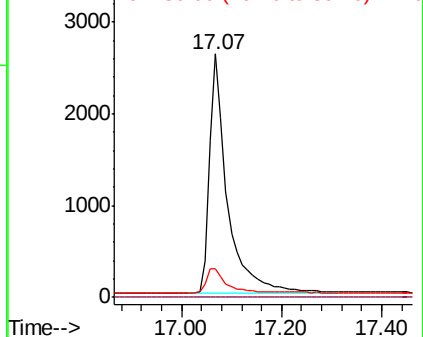
80 11.5 6.7 10.1#



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: 0.197 ng

RT: 16.26 min Scan# 1507

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

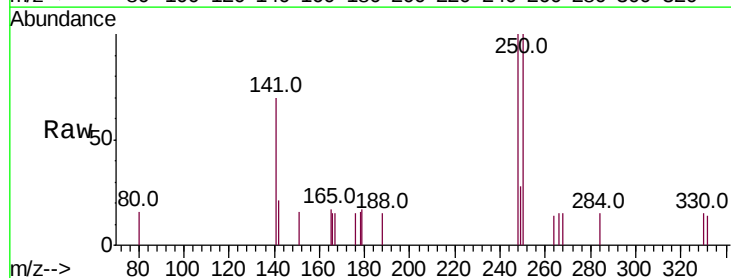
Tgt Ion:248 Resp: 727

Ion Ratio Lower Upper

248 100

250 100.0 78.9 118.3

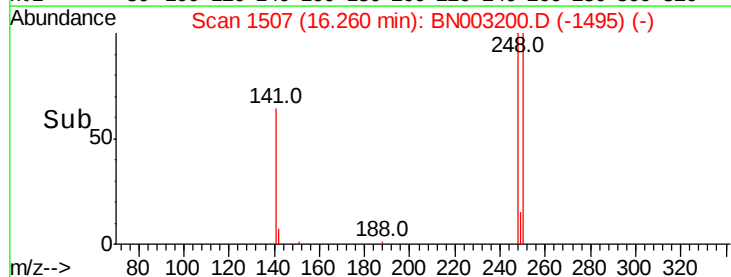
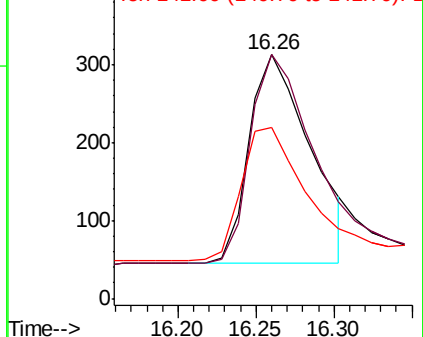
141 70.3 48.5 72.7

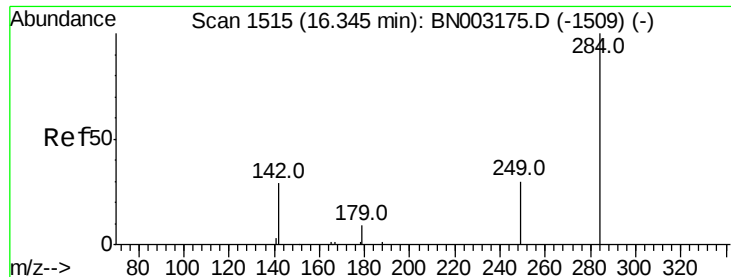


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.217 ng

RT: 16.37 min Scan# 1517

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

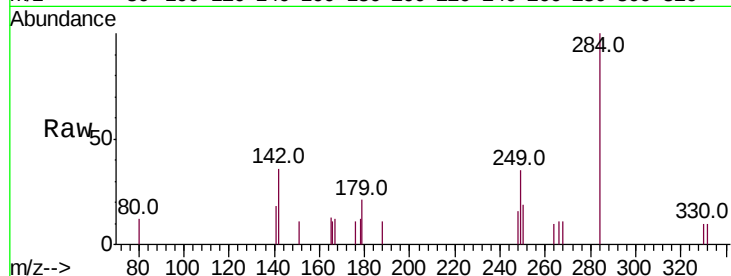
Tot Ion:284 Resp: 883

Ion Ratio Lower Upper

284 100

142 29.2 24.6 37.0

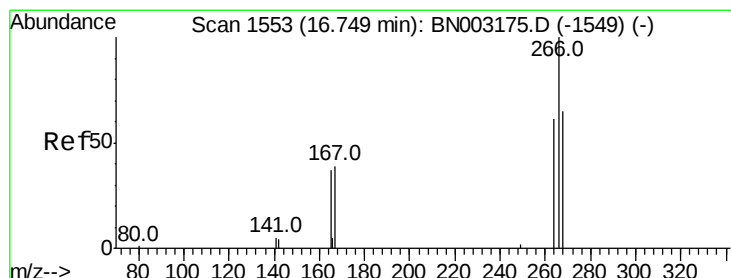
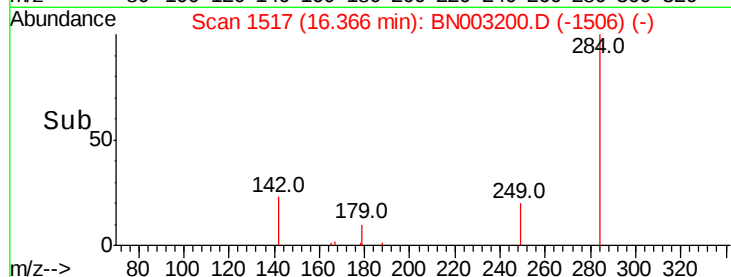
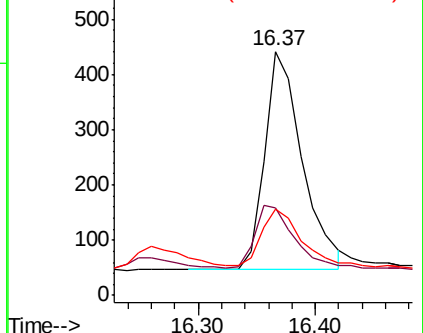
249 25.4 22.3 33.5



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: 0.334 ng

RT: 16.79 min Scan# 1557

Delta R.T. 0.04 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

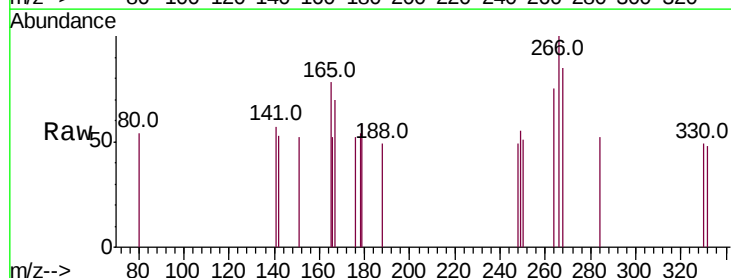
Tgt Ion:266 Resp: 233

Ion Ratio Lower Upper

266 100

264 75.0 55.0 82.4

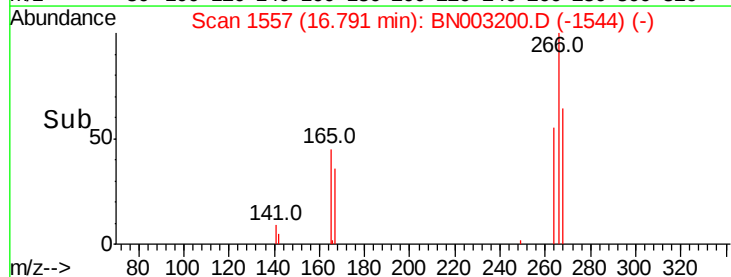
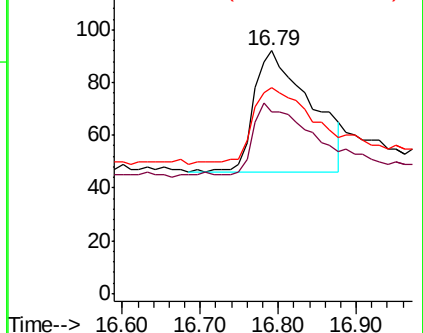
268 84.8 60.6 91.0

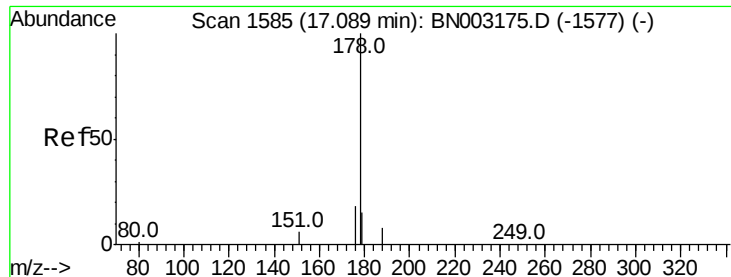


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.251 ng

RT: 17.11 min Scan# 1587

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampled :

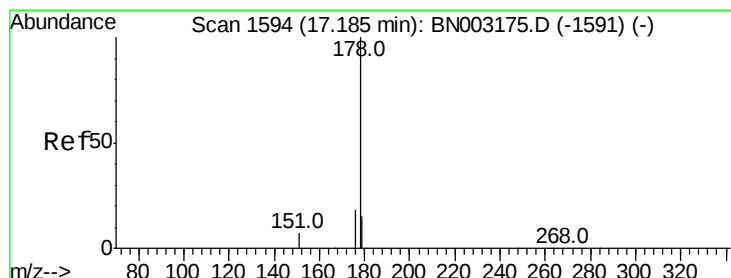
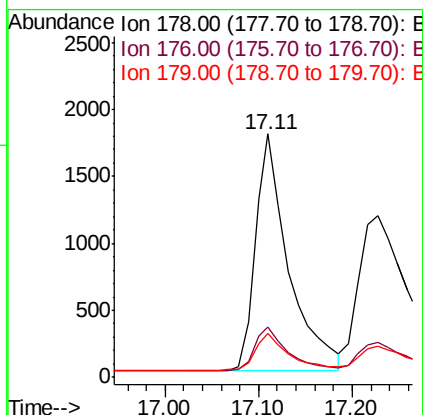
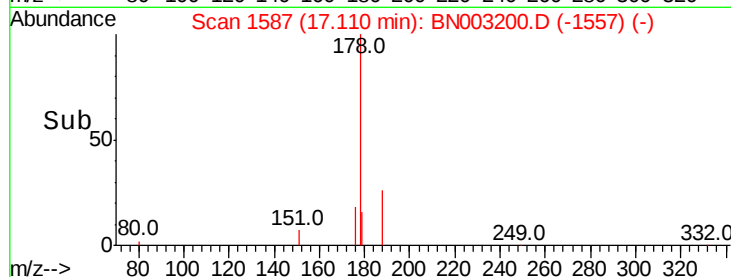
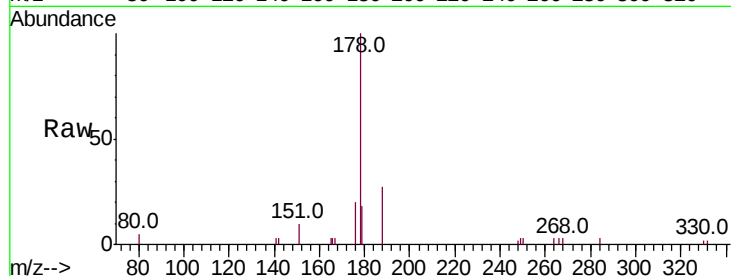
Tot Ion:178 Resp: 4347

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 16.0 12.3 18.5



#24

Anthracene

Concen: 0.245 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.04 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

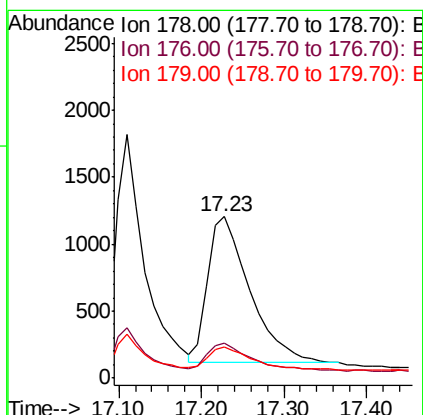
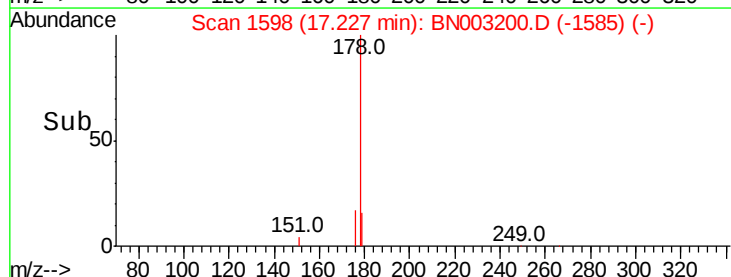
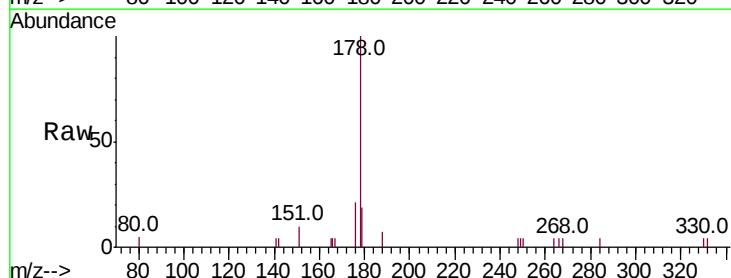
Tgt Ion:178 Resp: 3883

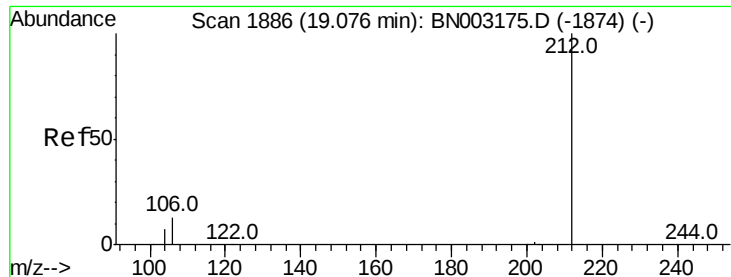
Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

179 15.7 12.3 18.5

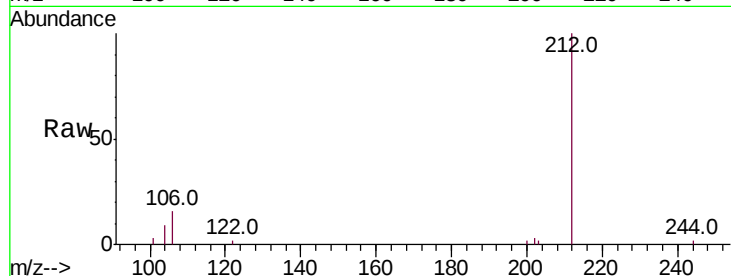




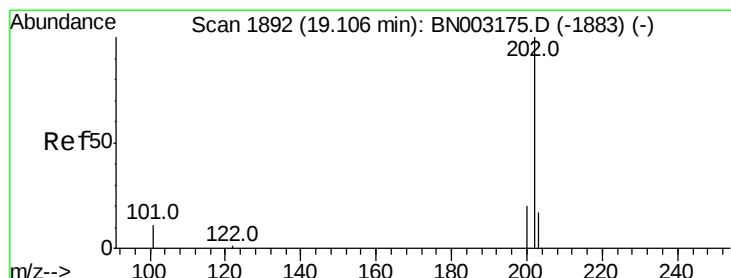
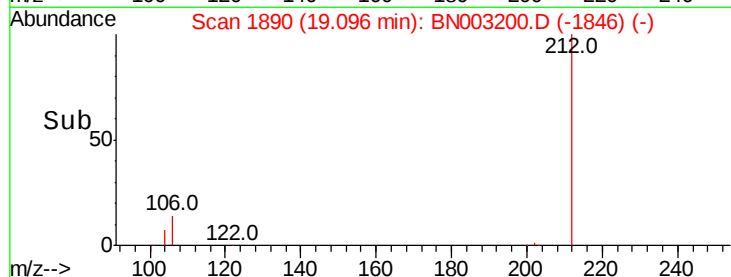
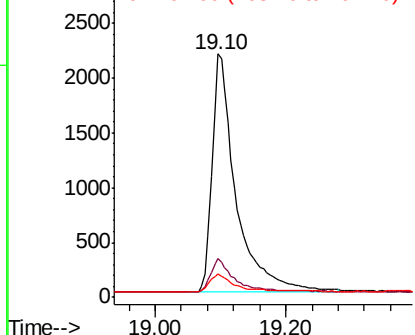
#25
Fluoranthene-d10
Concen: 0.271 ng
RT: 19.10 min Scan# 1890
Delta R.T. 0.02 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:212 Resp: 5555
Ion Ratio Lower Upper
212 100
106 13.1 10.2 15.4
104 7.3 5.8 8.6

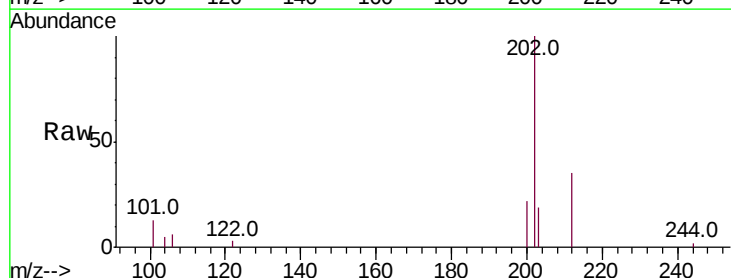


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

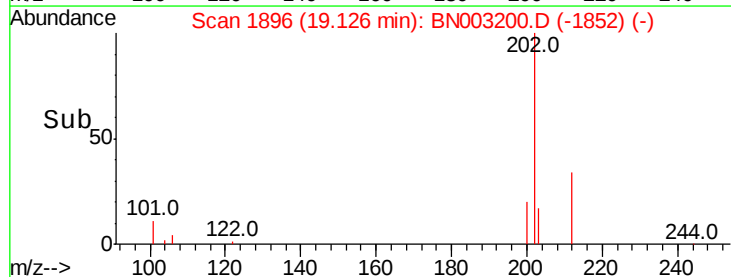
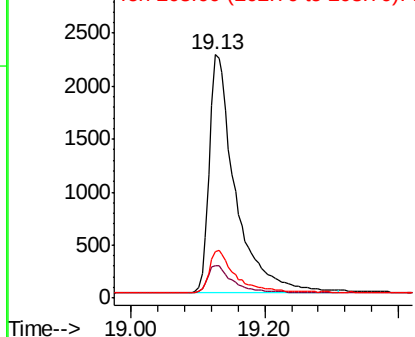


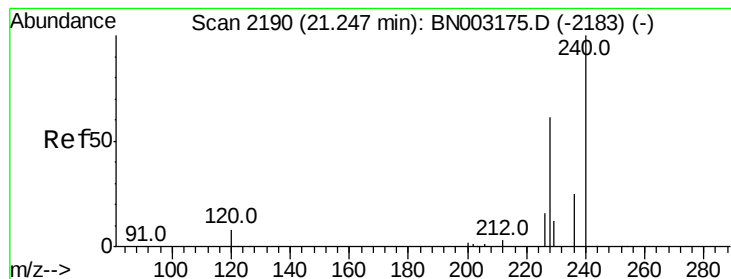
#26
Fluoranthene
Concen: 0.277 ng
RT: 19.13 min Scan# 1896
Delta R.T. 0.02 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

Tgt Ion:202 Resp: 6132
Ion Ratio Lower Upper
202 100
101 11.5 8.6 12.8
203 17.5 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: 21.26 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

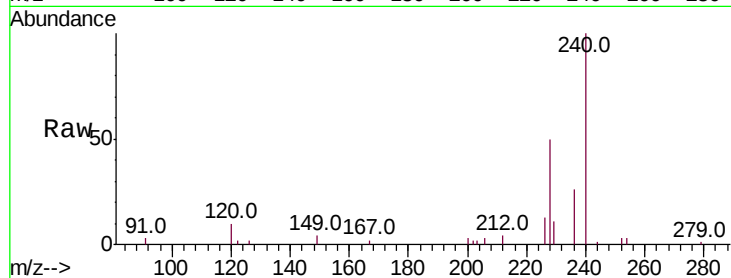
Tot Ion:240 Resp: 9332

Ion Ratio Lower Upper

240 100

120 9.7 7.8 11.8

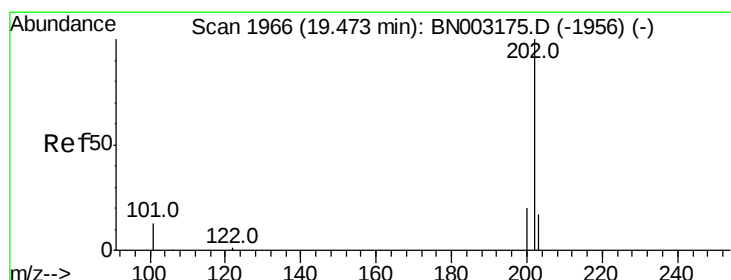
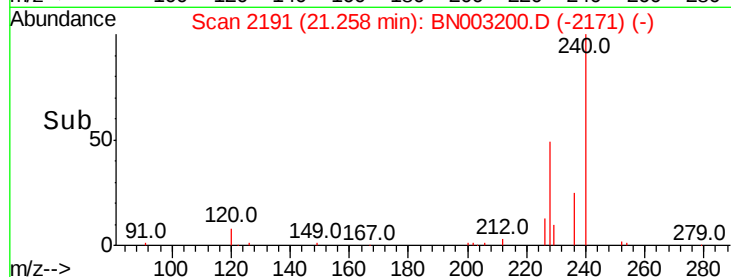
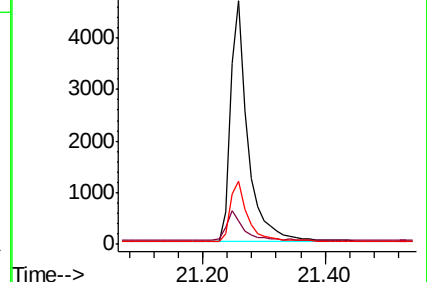
236 26.1 21.0 31.4



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: 0.243 ng

RT: 19.49 min Scan# 1970

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

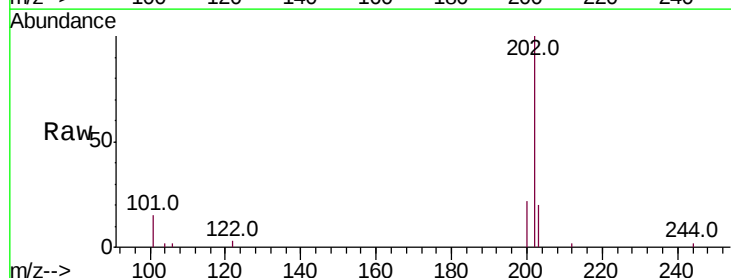
Tgt Ion:202 Resp: 6343

Ion Ratio Lower Upper

202 100

200 20.0 16.3 24.5

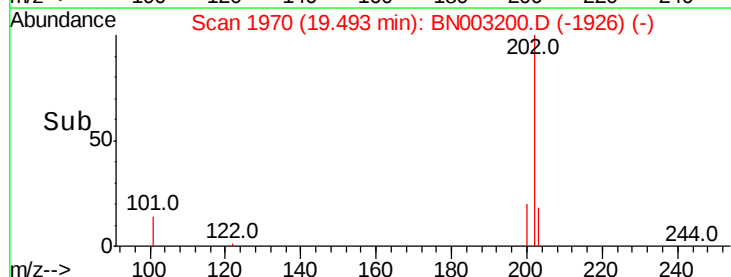
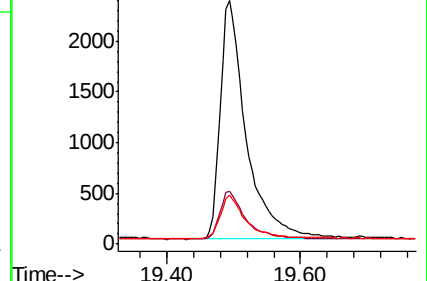
203 18.1 14.2 21.2

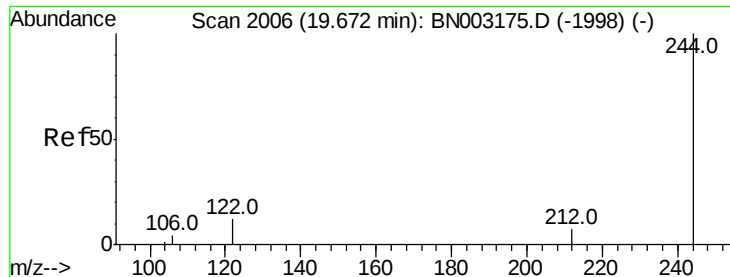


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.319 ng

RT: 19.69 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

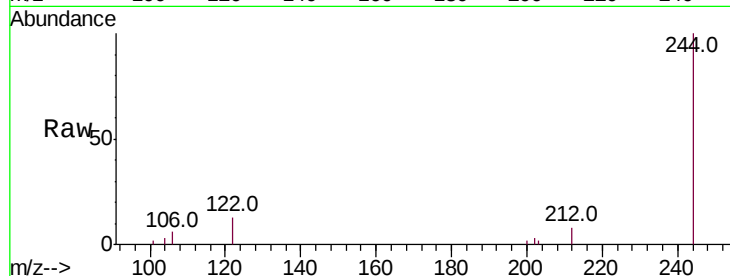
Tot Ion:244 Resp: 6446

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.4

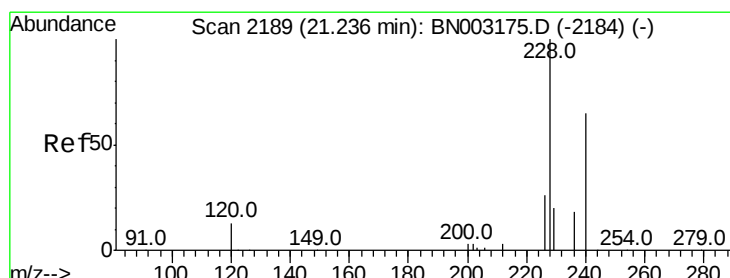
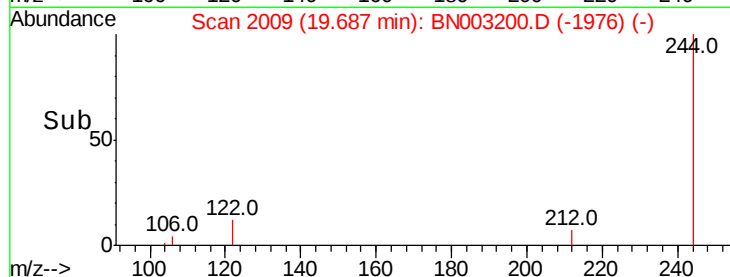
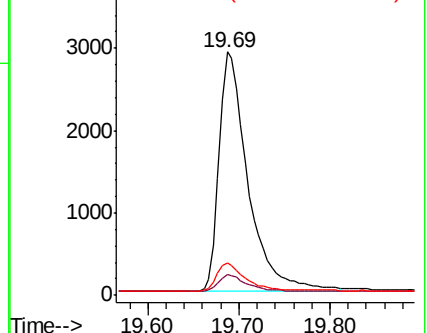
122 13.3 9.1 13.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.238 ng

RT: 21.25 min Scan# 2190

Delta R.T. 0.01 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

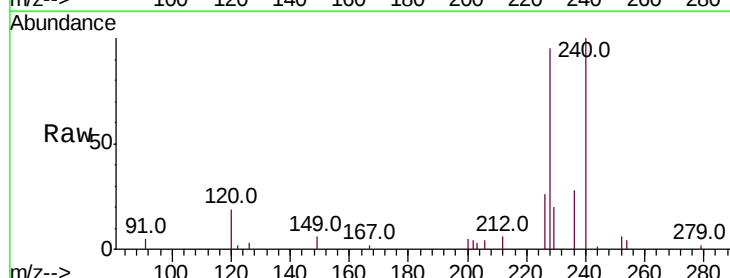
Tgt Ion:228 Resp: 5982

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

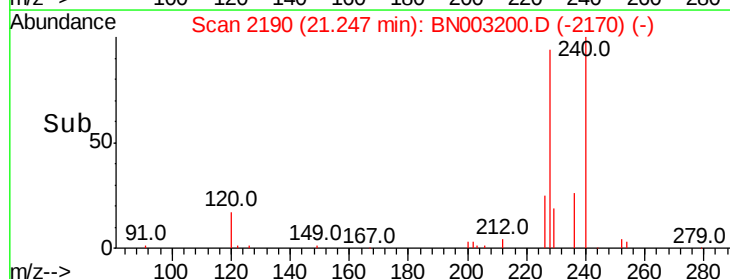
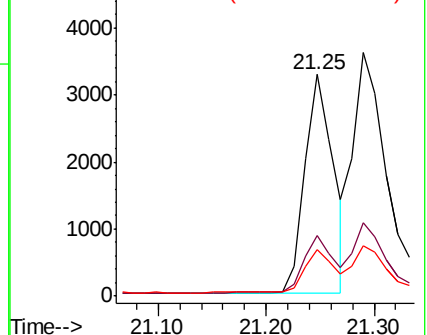
229 21.0 16.4 24.6

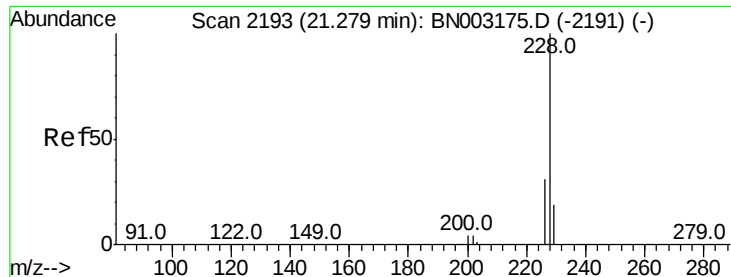


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

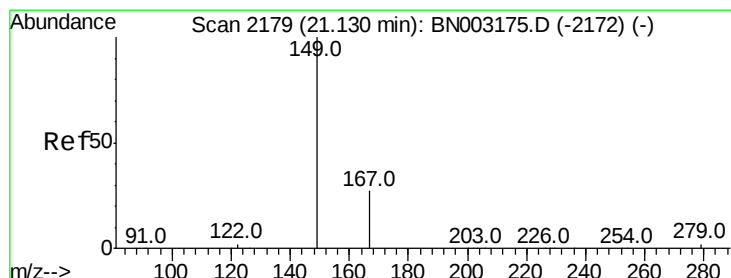
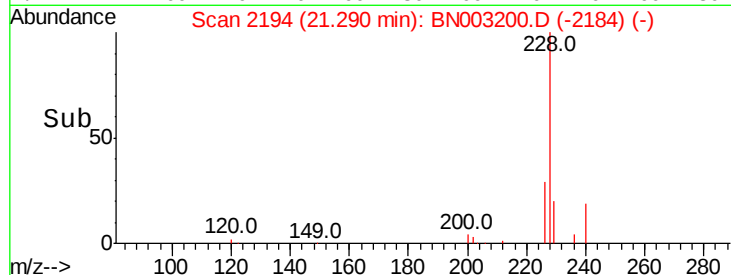
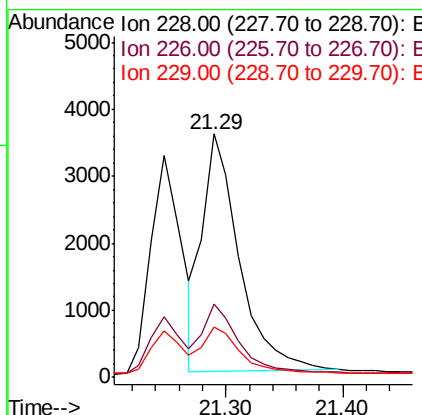
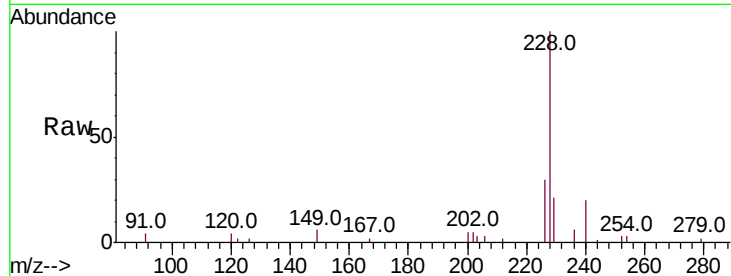




#31
 Chrysene
 Concen: 0.270 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BN003200.D
 Acq: 18 Oct 2018 10:44

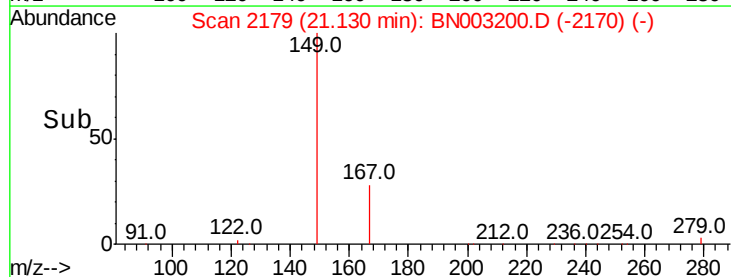
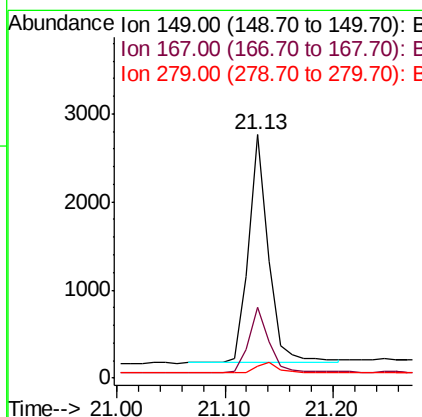
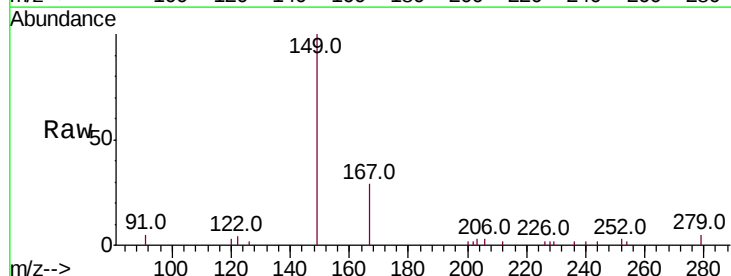
Instrument :
 BNA_N
 ClientSampleId :

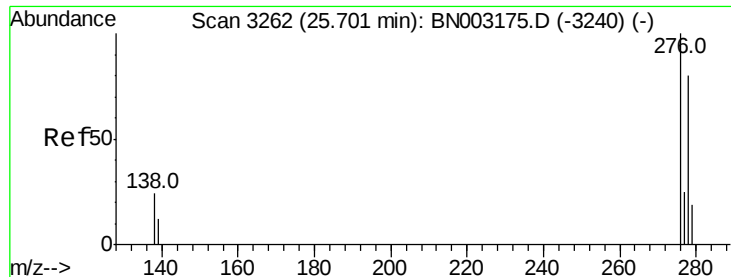
Tot Ion:228 Resp: 7745
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.1 34.7
 229 20.8 15.9 23.9



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.223 ng
 RT: 21.13 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: BN003200.D
 Acq: 18 Oct 2018 10:44

Tgt Ion:149 Resp: 3323
 Ion Ratio Lower Upper
 149 100
 167 29.4 22.2 33.4
 279 5.2 3.7 5.5





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.257 ng

RT: 25.74 min Scan# 3272

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

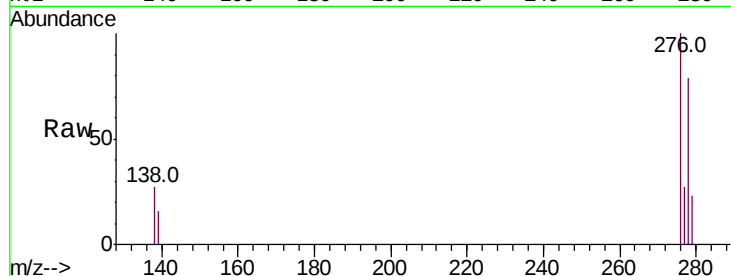
Tot Ion:276 Resp: 8711

Ion Ratio Lower Upper

276 100

138 24.4 18.2 27.4

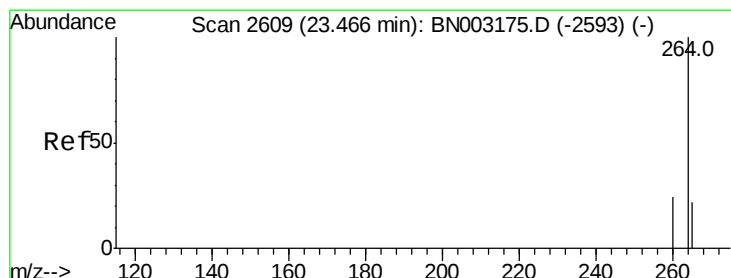
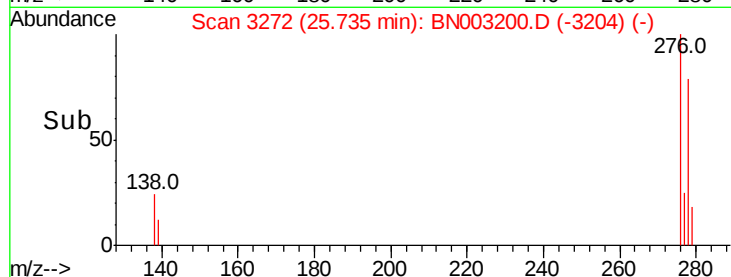
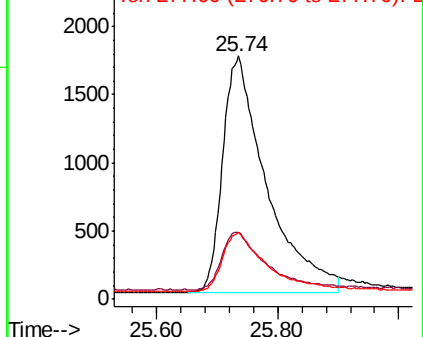
277 25.1 20.2 30.4



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: 23.48 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

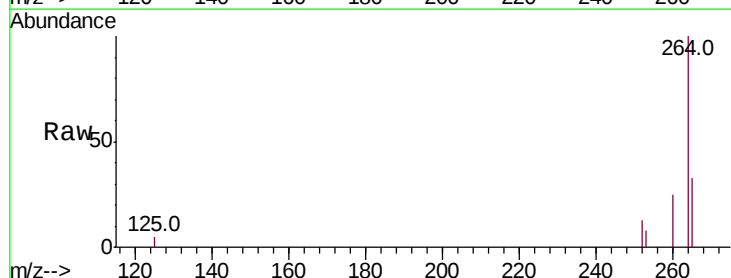
Tgt Ion:264 Resp: 10091

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

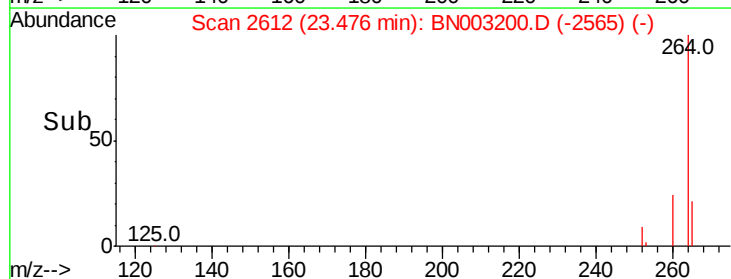
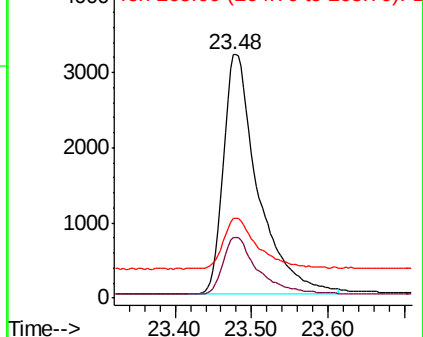
265 32.9 27.6 41.4

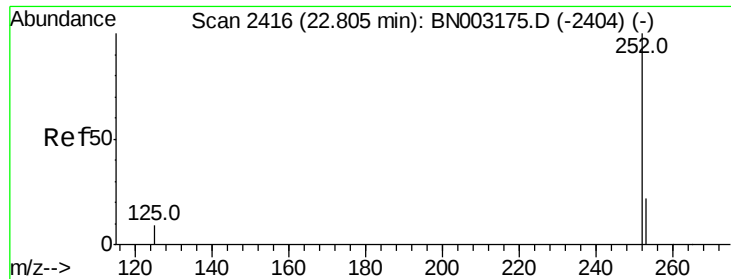


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

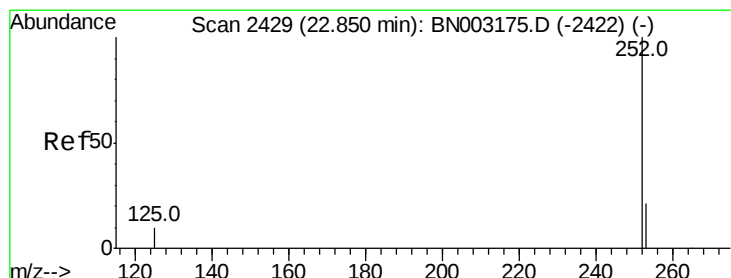
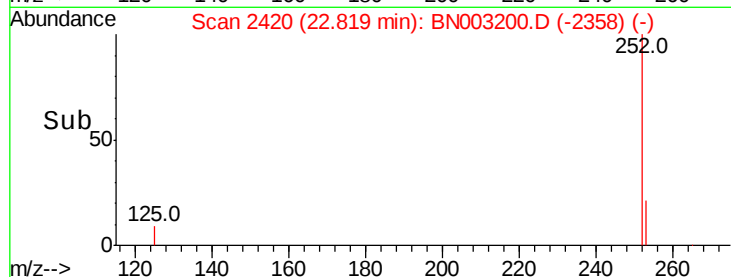
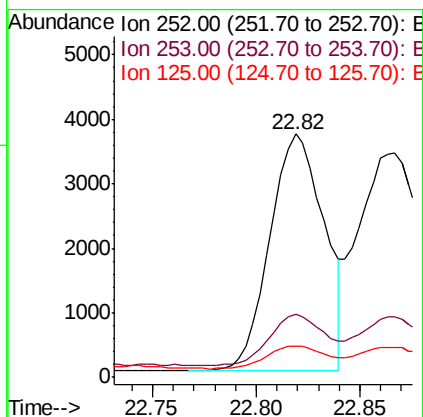
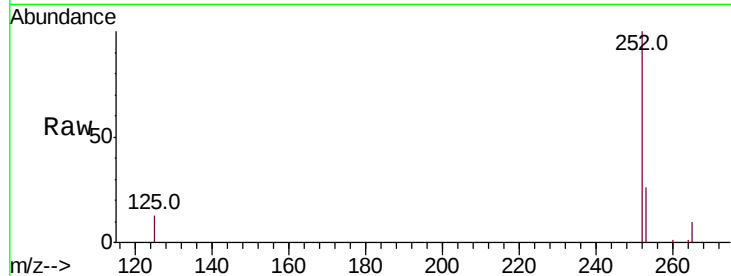




#35
Benzo(b)fluoranthene
Concen: 0.244 ng
RT: 22.82 min Scan# 2420
Delta R.T. 0.01 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

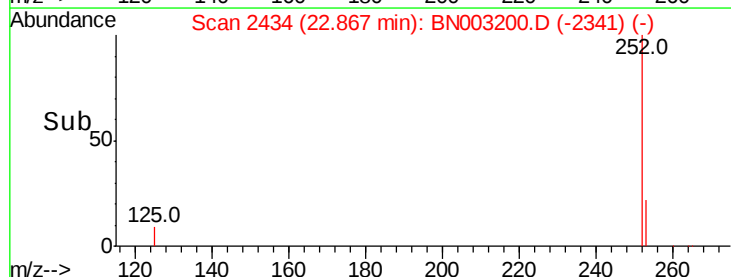
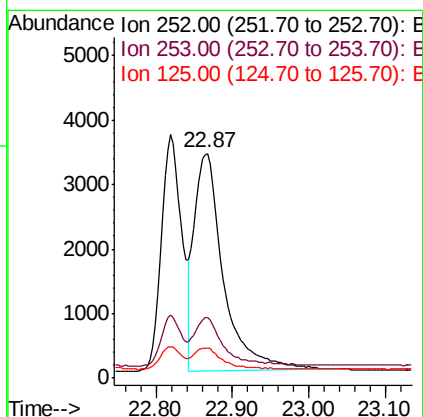
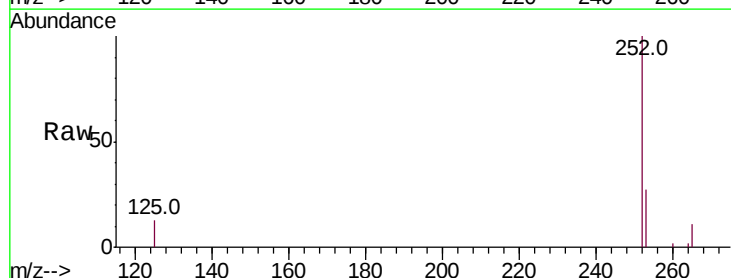
Instrument :
BNA_N
ClientSampleId :

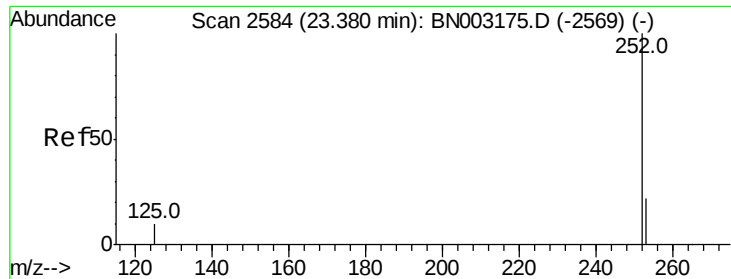
Tot Ion:252 Resp: 6654
Ion Ratio Lower Upper
252 100
253 25.8 20.8 31.2
125 12.8 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.274 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.02 min
Lab File: BN003200.D
Acq: 18 Oct 2018 10:44

Tgt Ion:252 Resp: 8806
Ion Ratio Lower Upper
252 100
253 27.1 20.5 30.7
125 13.2 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.274 ng

RT: 23.40 min Scan# 2590

Delta R.T. 0.02 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :

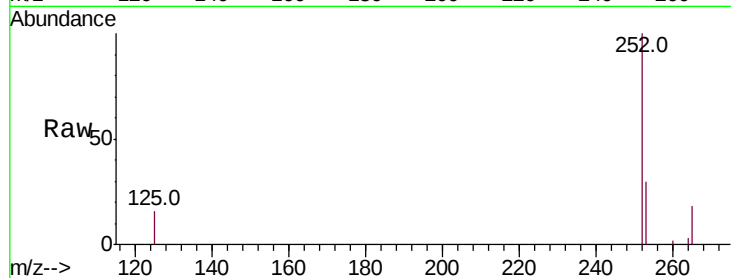
Tot Ion:252 Resp: 7685

Ion Ratio Lower Upper

252 100

253 30.0 22.4 33.6

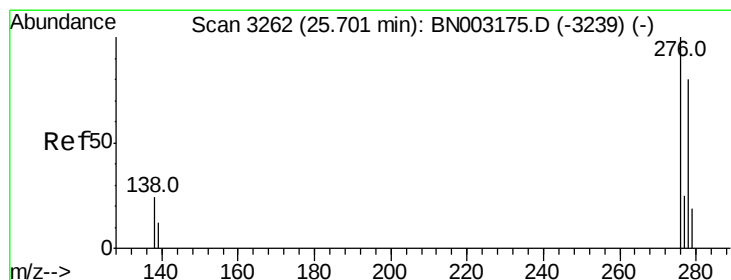
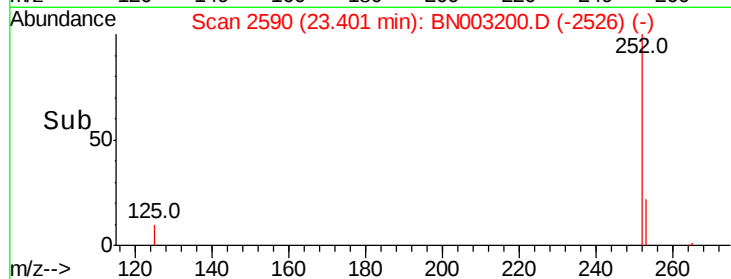
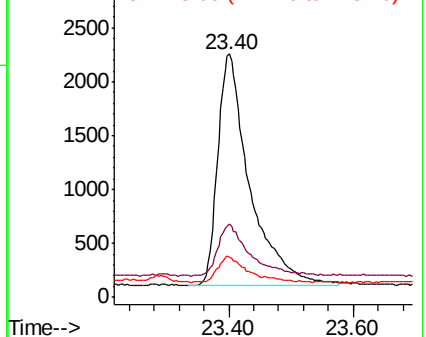
125 16.4 11.4 17.0



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: 0.249 ng

RT: 25.73 min Scan# 3271

Delta R.T. 0.03 min

Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

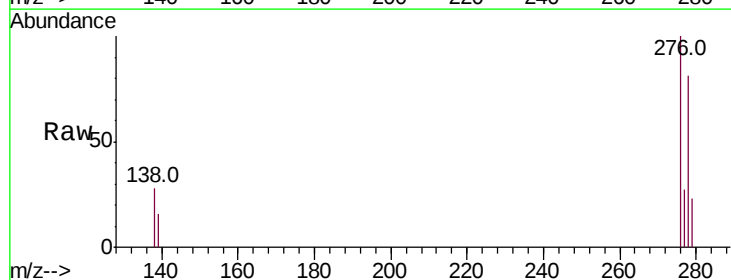
Tgt Ion:278 Resp: 7153

Ion Ratio Lower Upper

278 100

139 20.1 14.6 21.8

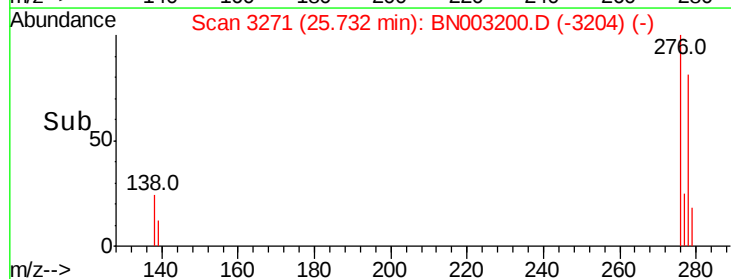
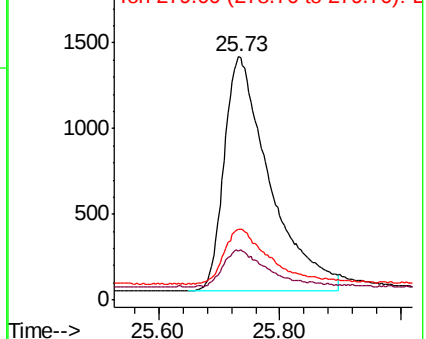
279 28.8 23.1 34.7

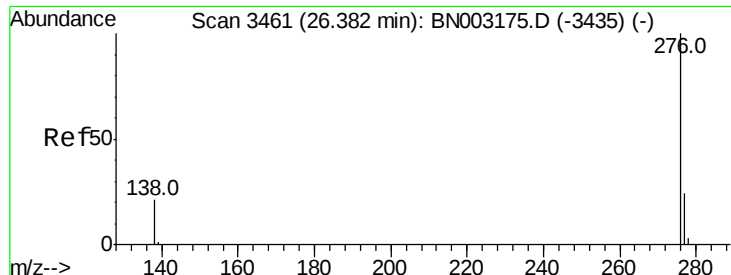


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.262 ng

RT: 26.41 min Scan# 3469

Delta R.T. 0.03 min

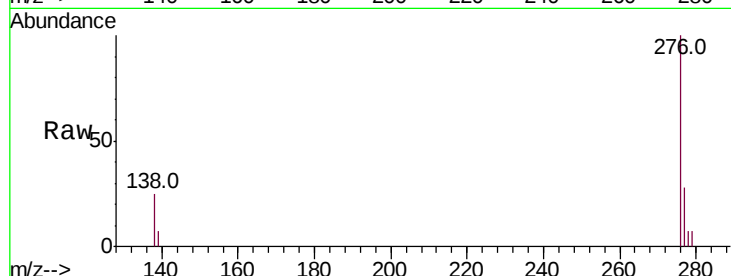
Lab File: BN003200.D

Acq: 18 Oct 2018 10:44

Instrument :

BNA_N

ClientSampleId :



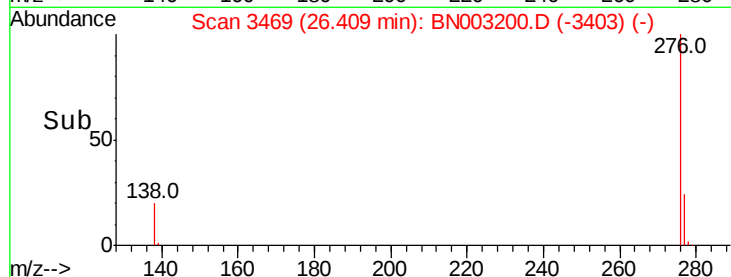
Tot Ion:276 Resp: 7588

Ion Ratio Lower Upper

276 100

277 27.5 21.0 31.4

138 24.5 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

