

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073118\
 Data File : BN002212.D
 Acq On : 31 Jul 2018 15:41
 Operator : JU/SJ
 Sample : PB111487BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB111487BSD

Quant Time: Jul 31 16:35:37 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	7.70	152	4612	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	18513	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	9758	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	19636	0.40	ng	0.00
27) Chrysene-d12	21.27	240	12252	0.40	ng	0.00
34) Perylene-d12	23.50	264	9105	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	4446	0.41	ng	0.00
5) Phenol-d6	6.88	99	5414	0.41	ng	0.00
8) Nitrobenzene-d5	8.84	82	6137	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	11959	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	1361	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	17910	0.48	ng	0.00
25) Fluoranthene-d10	19.11	212	18168	0.37	ng	0.00
29) Terphenyl-d14	19.71	244	12167	0.46	ng	0.00

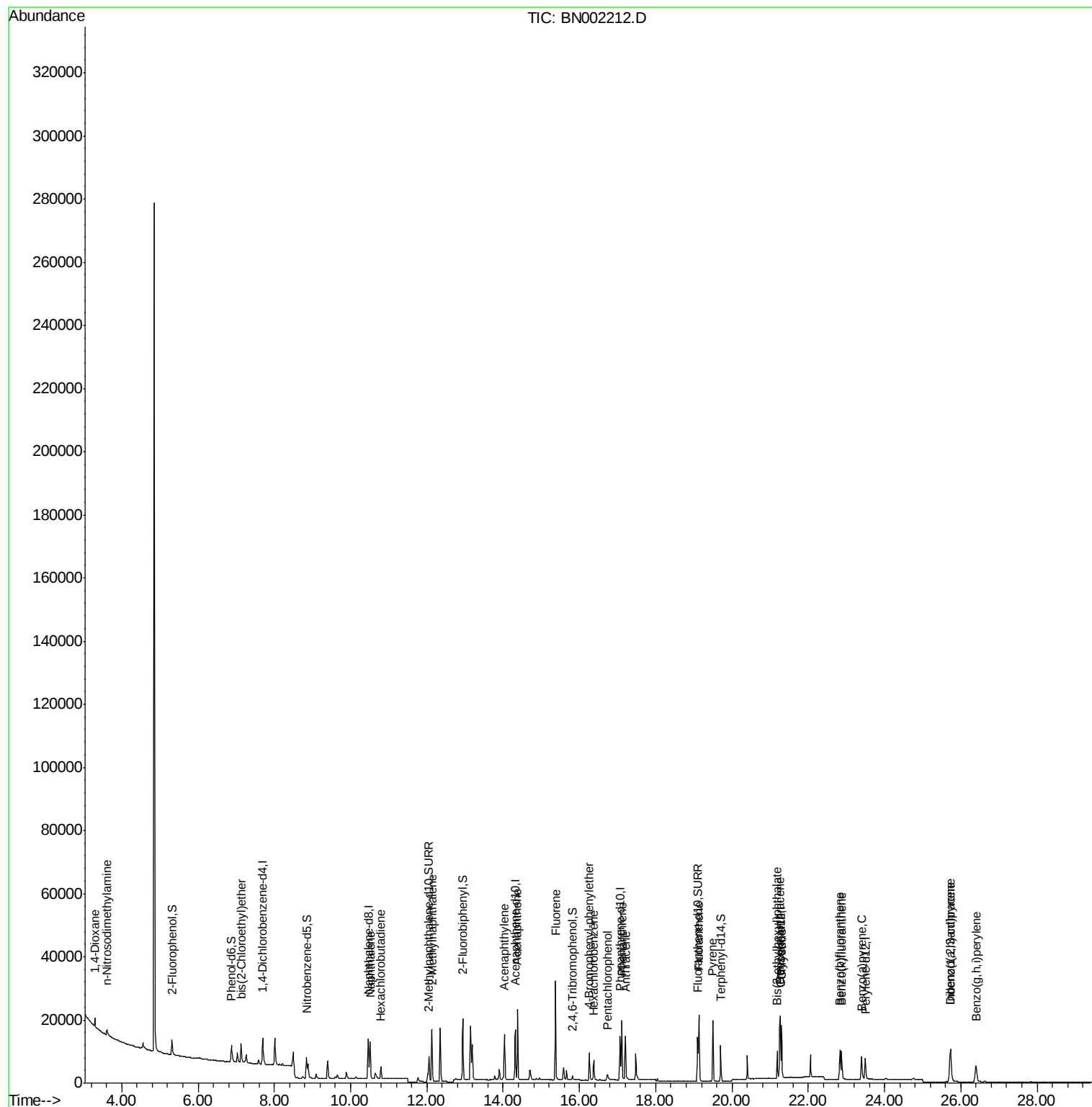
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	1504	0.290	ng	# 57
3) n-Nitrosodimethylamine	3.61	42	1592	0.451	ng	# 83
6) bis(2-Chloroethyl)ether	7.13	93	5091	0.405	ng	91
9) Naphthalene	10.52	128	17978	0.431	ng	97
10) Hexachlorobutadiene	10.80	225	3313	0.367	ng	# 55
12) 2-Methylnaphthalene	12.13	142	12456	0.441	ng	98
16) Acenaphthylene	14.03	152	17207	0.413	ng	100
17) Acenaphthene	14.38	154	11204	0.418	ng	97
18) Fluorene	15.37	166	13994	0.424	ng	# 80
20) 4-Bromophenyl-phenylether	16.26	248	4477	0.403	ng	# 82
21) Hexachlorobenzene	16.38	284	4885	0.397	ng	96
22) Pentachlorophenol	16.74	266	1413	0.553	ng	93
23) Phenanthrene	17.11	178	21000	0.430	ng	99
24) Anthracene	17.21	178	17753	0.439	ng	96
26) Fluoranthene	19.14	202	20335	0.382	ng	# 97
28) Pyrene	19.50	202	19183	0.529	ng	99
30) Benzo(a)anthracene	21.25	228	13811	0.448	ng	97
31) Chrysene	21.30	228	14390	0.417	ng	100
32) Bis(2-ethylhexyl)phthalate	21.18	149	6152	0.437	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.72	276	13427	0.413	ng	# 94
35) Benzo(b)fluoranthene	22.83	252	12292	0.459	ng	# 92
36) Benzo(k)fluoranthene	22.87	252	12059	0.434	ng	# 93
37) Benzo(a)pyrene	23.40	252	11127	0.459	ng	# 93
38) Dibenzo(a,h)anthracene	25.74	278	10978	0.465	ng	96
39) Benzo(g,h,i)perylene	26.40	276	11726	0.486	ng	# 91

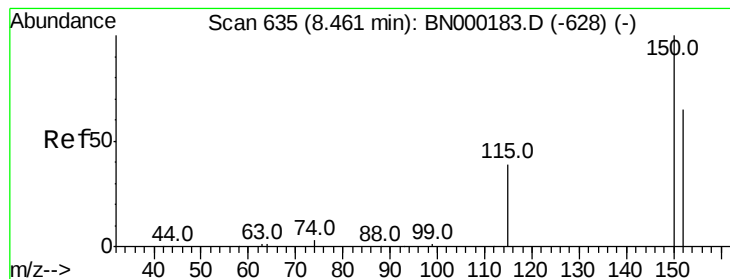
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.70 min Scan# 580

Delta R.T. 0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

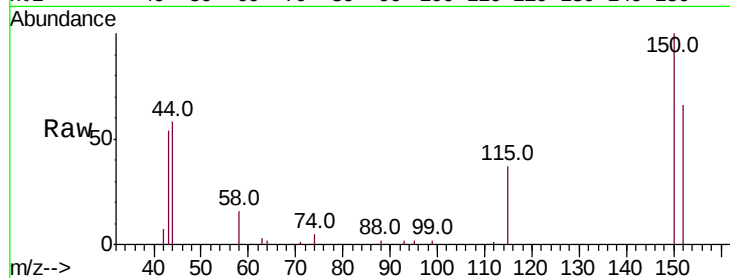
Tot Ion:152 Resp: 4612

Ion Ratio Lower Upper

152 100

150 150.5 117.2 175.8

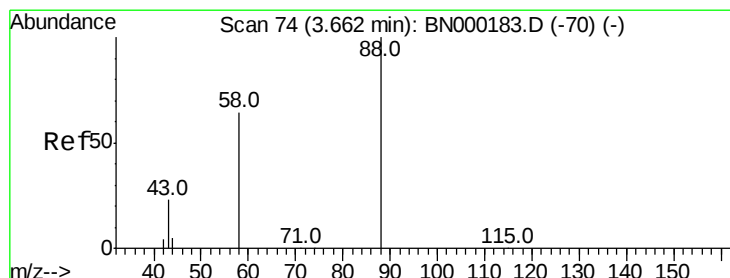
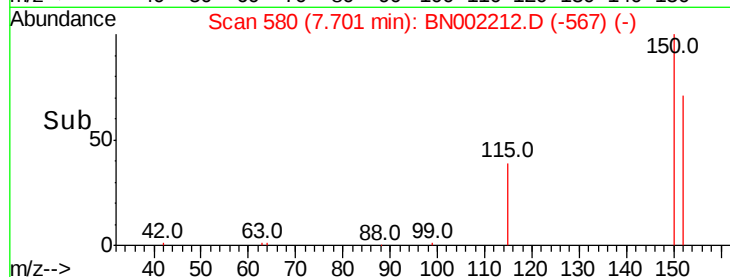
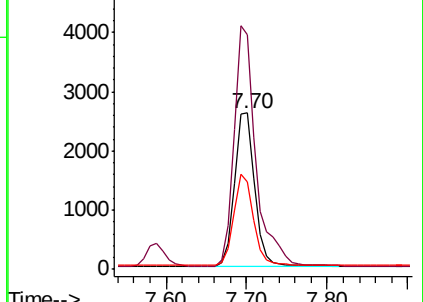
115 56.0 57.0 85.6#



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: 0.290 ng

RT: 3.30 min Scan# 33

Delta R.T. 0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

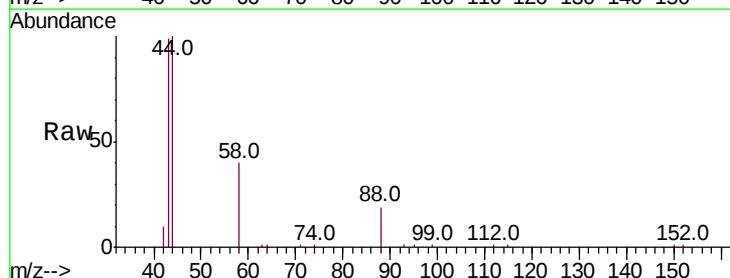
Tgt Ion: 88 Resp: 1504

Ion Ratio Lower Upper

88 100

58 104.2 72.0 108.0

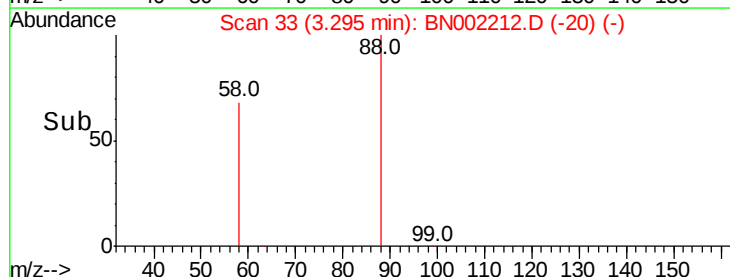
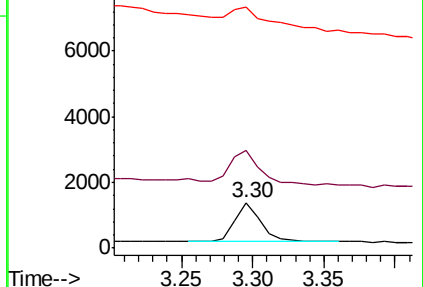
43 100.9 28.0 42.0#

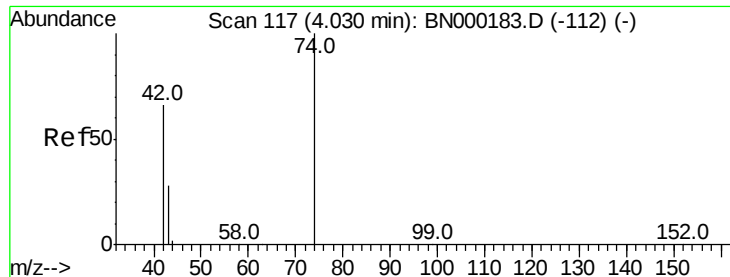


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.451 ng

RT: 3.61 min Scan# 72

Delta R.T. 0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

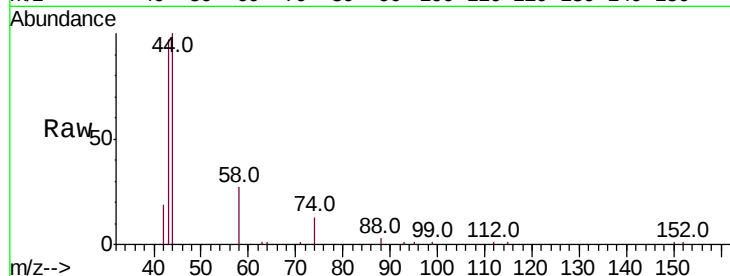
Tot Ion: 42 Resp: 1592

Ion Ratio Lower Upper

42 100

74 122.6 88.0 132.0

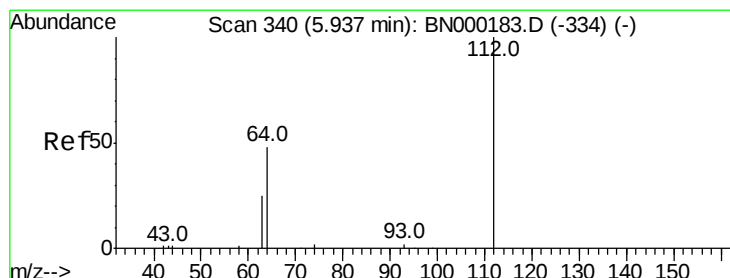
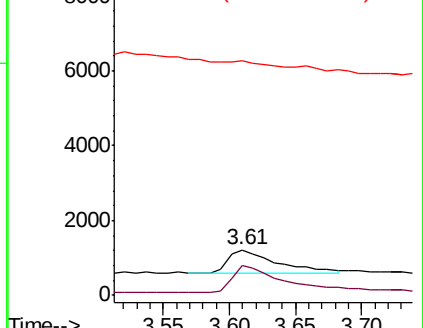
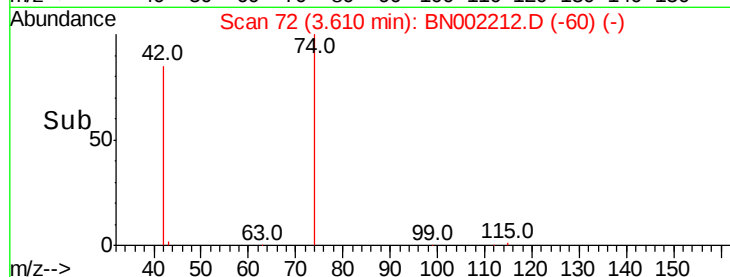
44 0.0 16.0 24.0#



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: 0.413 ng

RT: 5.32 min Scan# 284

Delta R.T. 0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

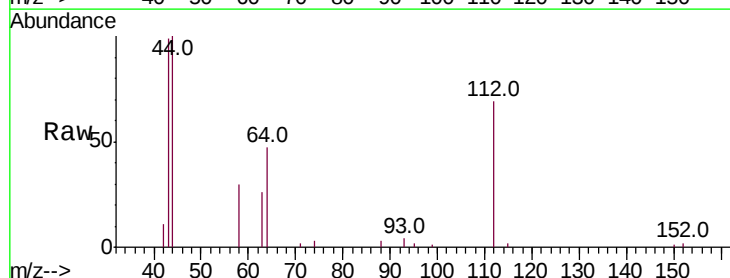
Tgt Ion: 112 Resp: 4446

Ion Ratio Lower Upper

112 100

64 64.5 60.1 90.1

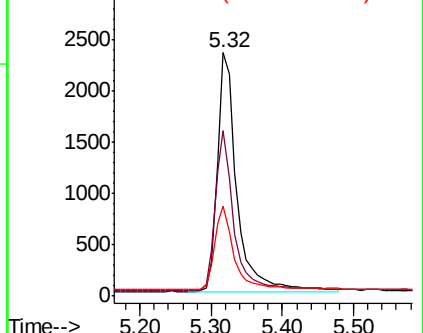
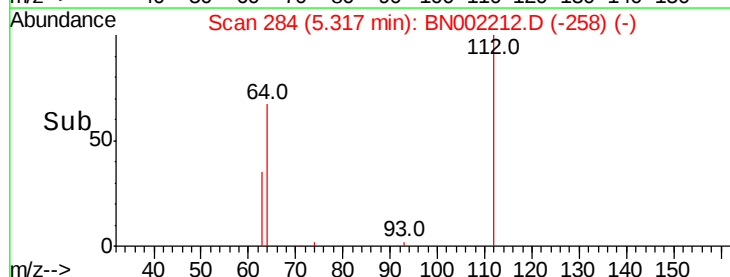
63 34.5 116.8 175.2#

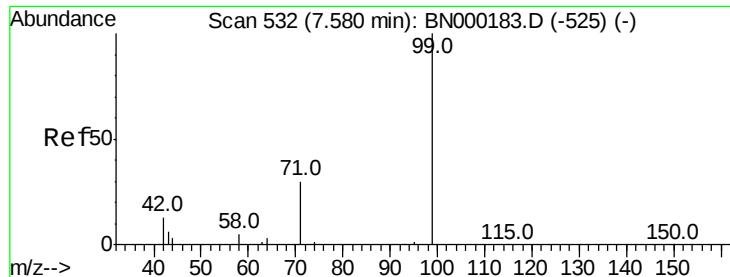


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.414 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

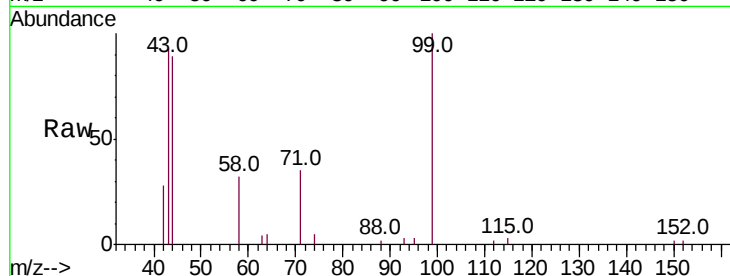
Tot Ion: 99 Resp: 5414

Ion Ratio Lower Upper

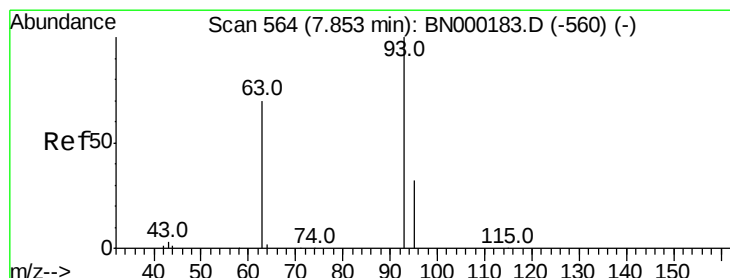
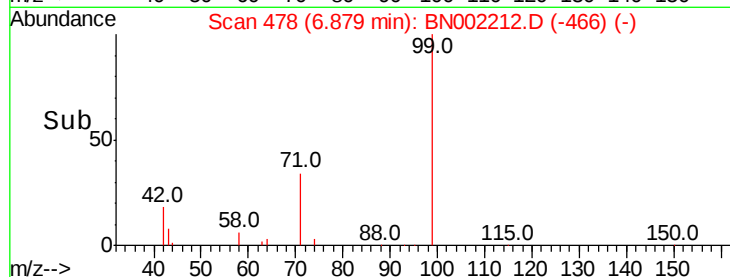
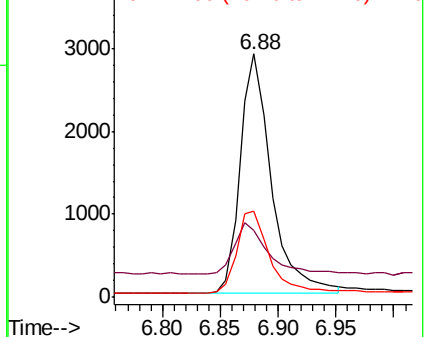
99 100

42 22.4 20.2 30.2

71 35.9 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: 0.405 ng

RT: 7.13 min Scan# 509

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

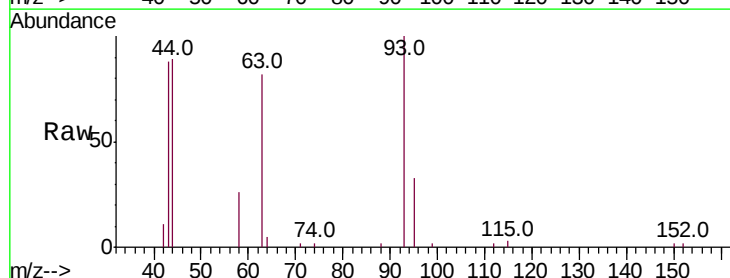
Tgt Ion: 93 Resp: 5091

Ion Ratio Lower Upper

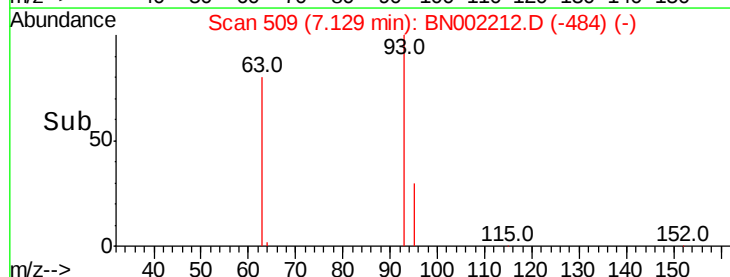
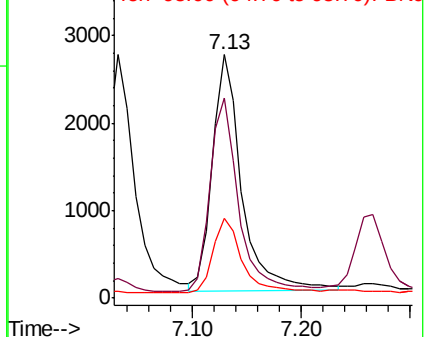
93 100

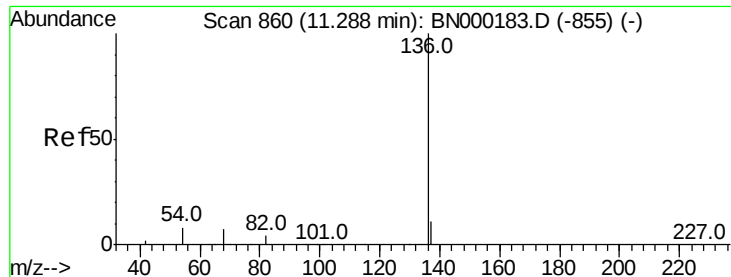
63 80.1 56.0 84.0

95 31.2 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: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

Tot Ion:136 Resp: 18513

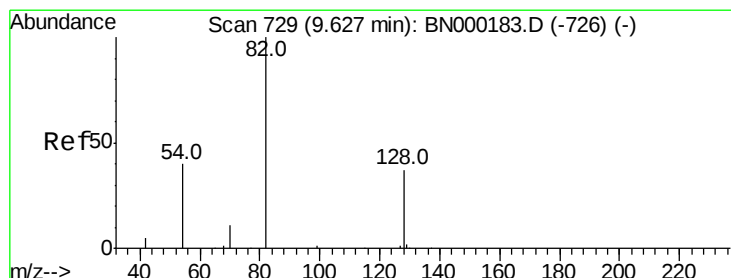
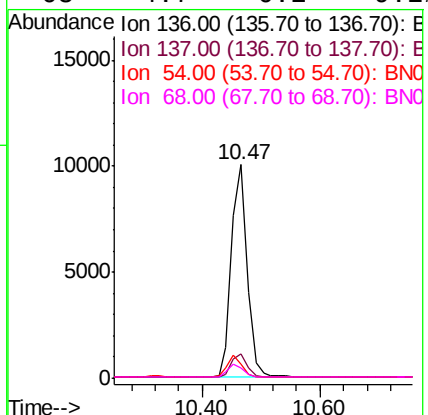
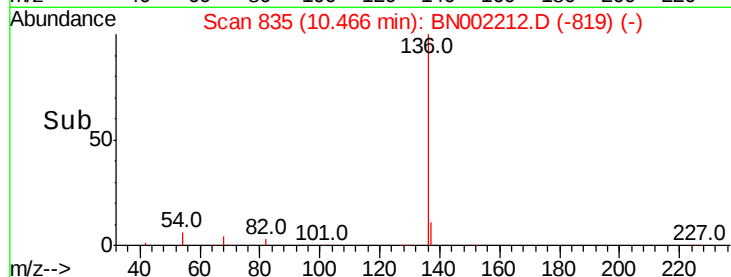
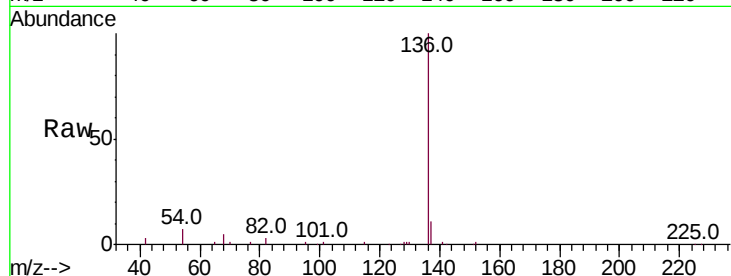
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 6.6 29.1 43.7#

68 4.7 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.441 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

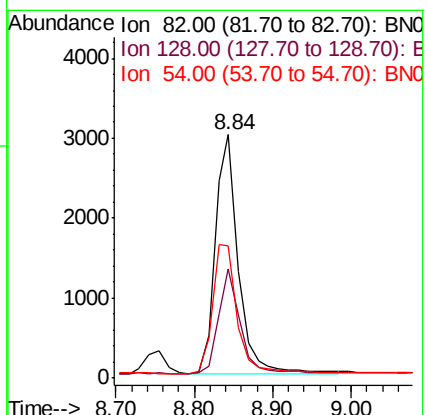
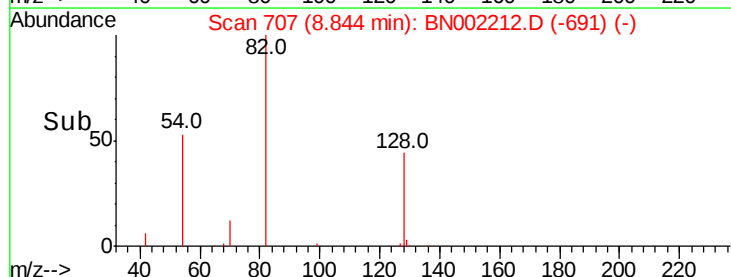
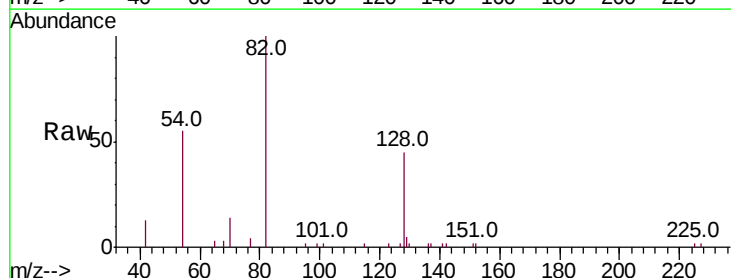
Tgt Ion: 82 Resp: 6137

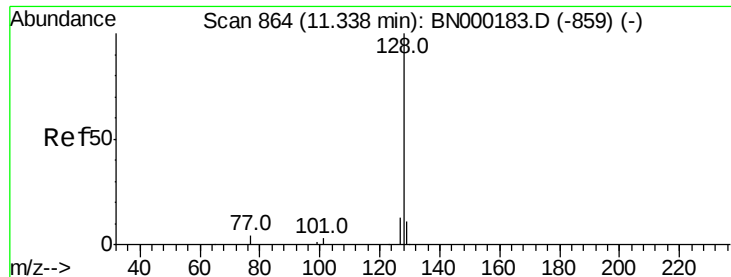
Ion Ratio Lower Upper

82 100

128 44.8 150.0 225.0#

54 54.6 154.2 231.4#





#9

Naphthalene

Concen: 0.431 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

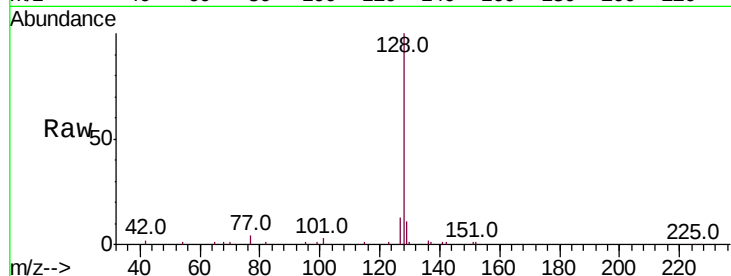
Tot Ion:128 Resp: 17978

Ion Ratio Lower Upper

128 100

129 11.4 8.0 12.0

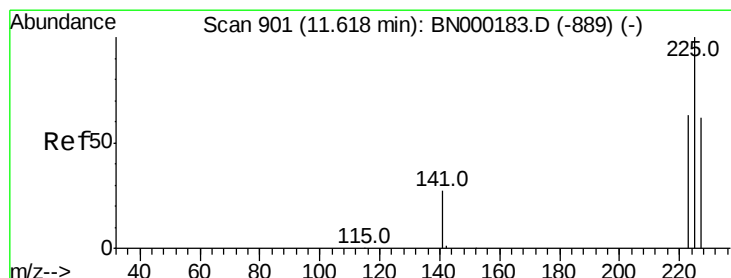
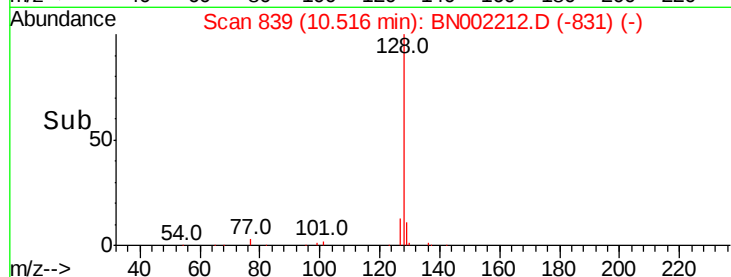
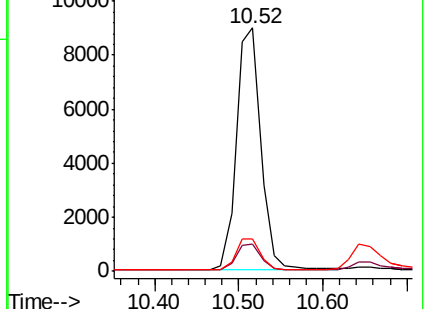
127 13.1 9.6 14.4



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: 0.367 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

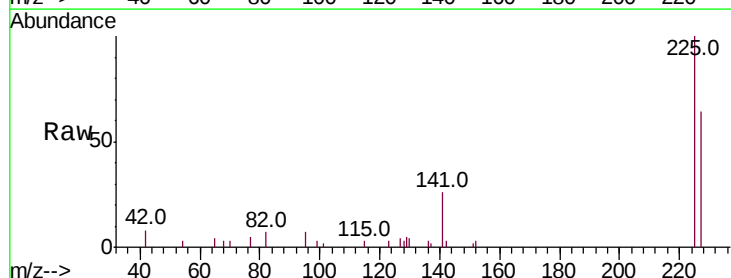
Tgt Ion:225 Resp: 3313

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

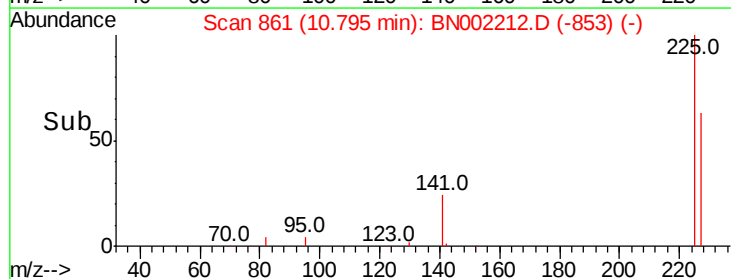
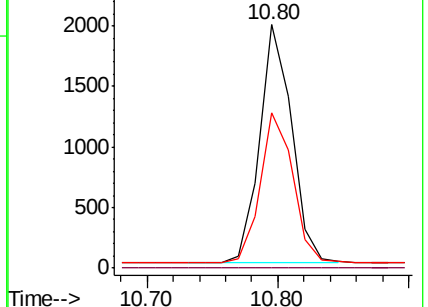
227 64.1 48.0 72.0

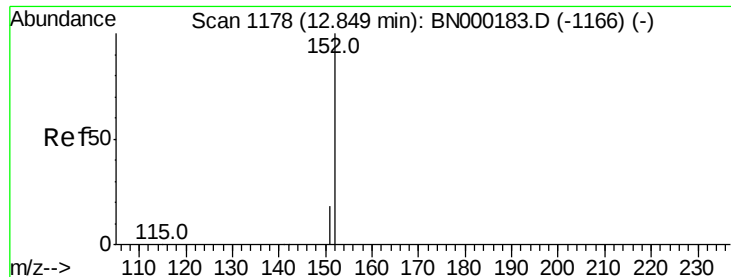


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

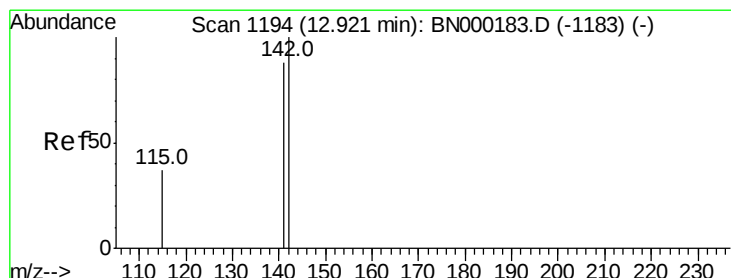
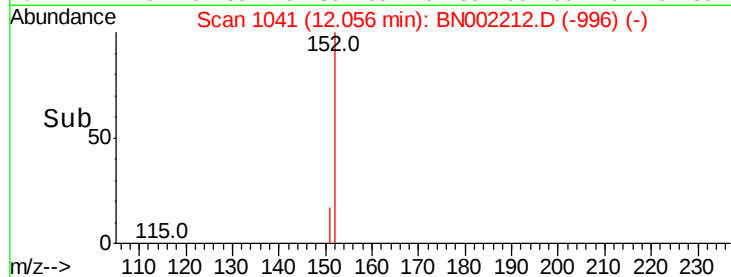
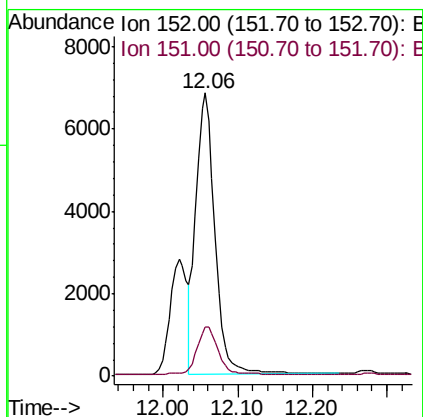
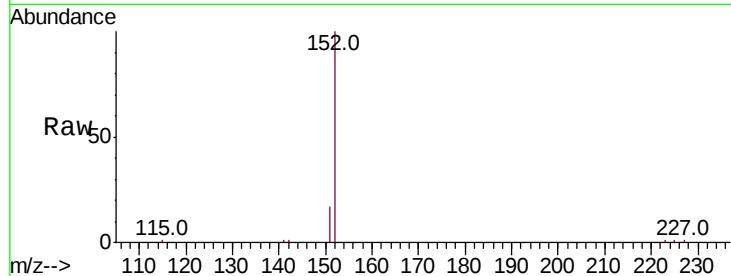




#11
 2-Methylnaphthalene-d10
 Concen: 0.439 ng
 RT: 12.06 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BN002212.D
 Acq: 31 Jul 2018 15:41

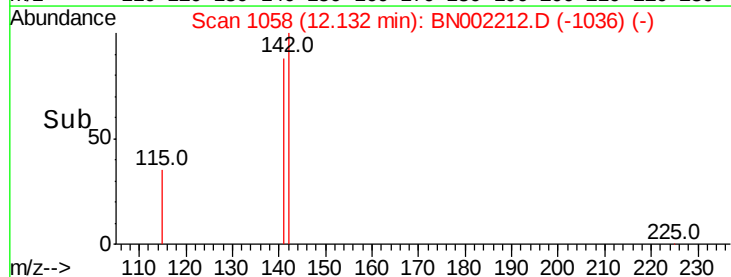
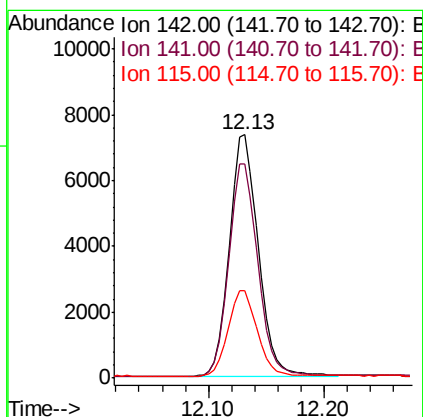
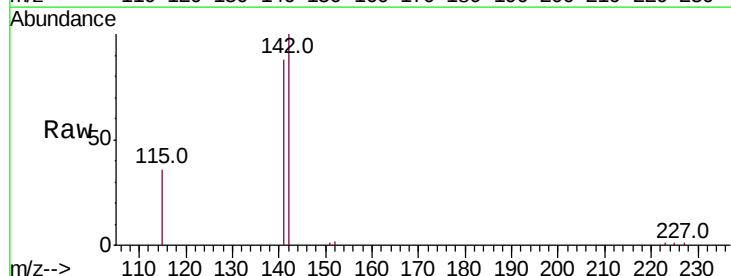
Instrument :
 BNA_N
 ClientSampleId :
 PB111487BSD

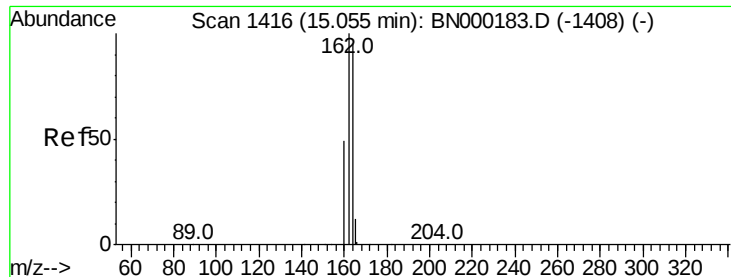
Tot Ion:152 Resp: 11959
 Ion Ratio Lower Upper
 152 100
 151 18.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.441 ng
 RT: 12.13 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BN002212.D
 Acq: 31 Jul 2018 15:41

Tgt Ion:142 Resp: 12456
 Ion Ratio Lower Upper
 142 100
 141 88.0 70.4 105.6
 115 35.8 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: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

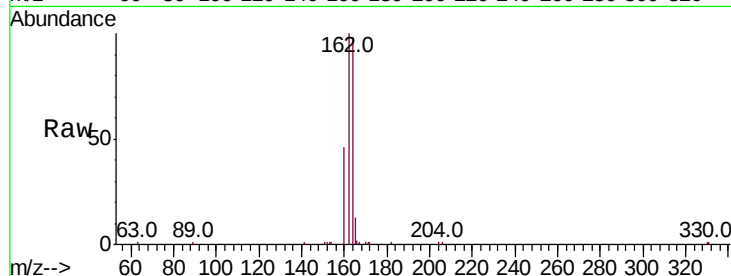
Tot Ion:164 Resp: 9758

Ion Ratio Lower Upper

164 100

162 102.4 83.1 124.7

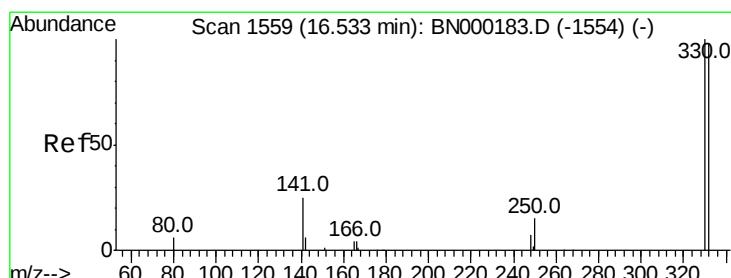
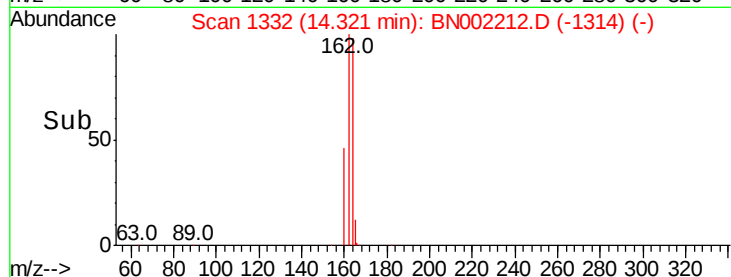
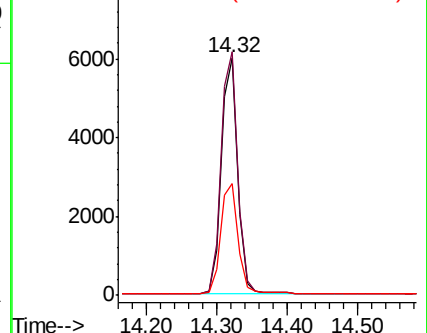
160 47.1 37.1 55.7



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: 0.327 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

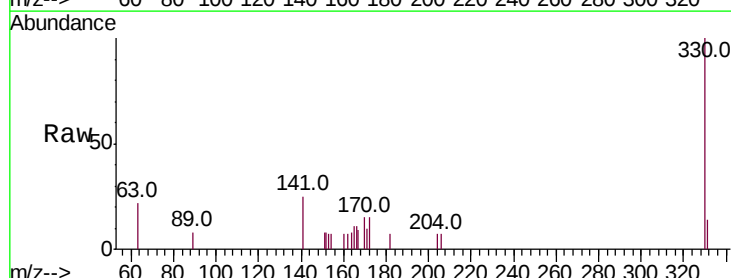
Tgt Ion:330 Resp: 1361

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

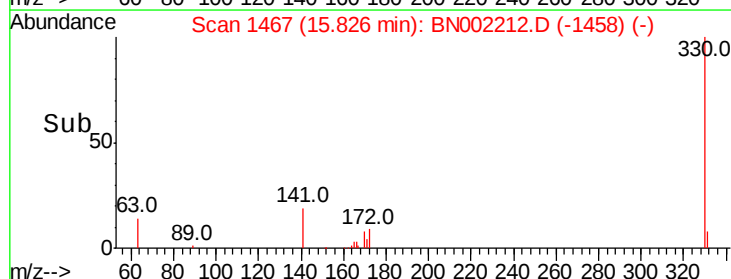
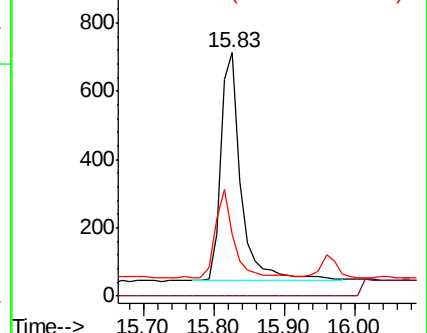
141 34.8 33.7 50.5

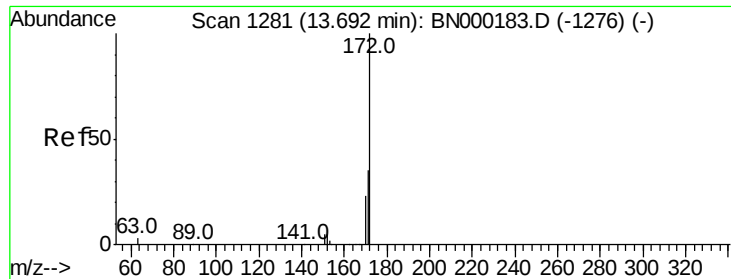


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

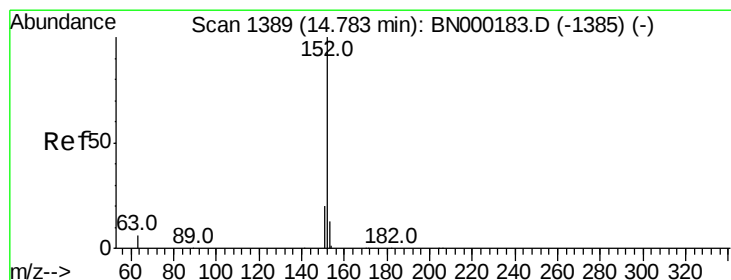
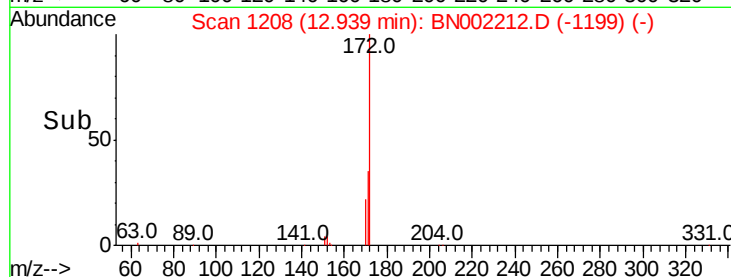
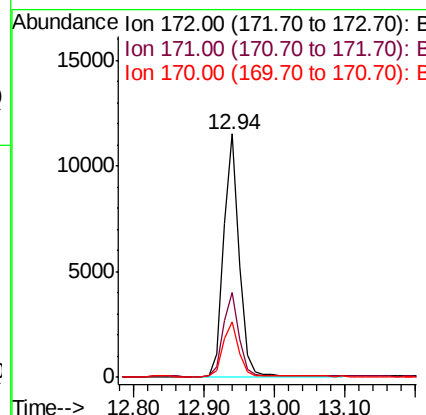
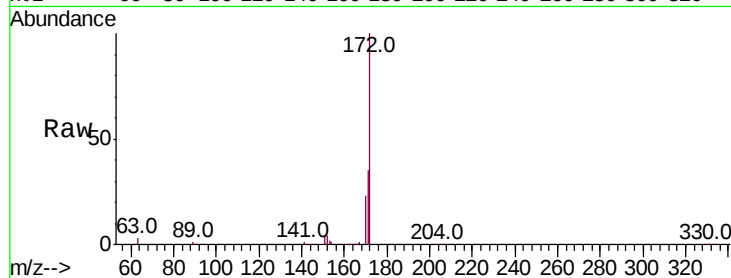




#15
2-Fluorobiphenyl
Concen: 0.478 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

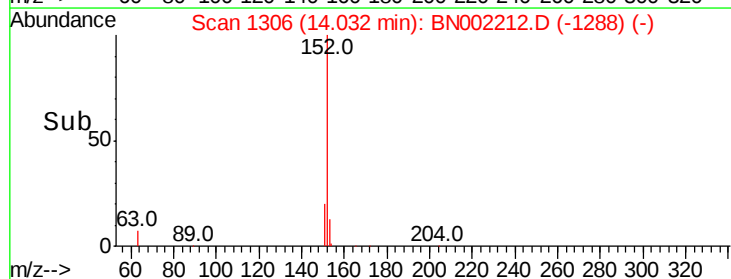
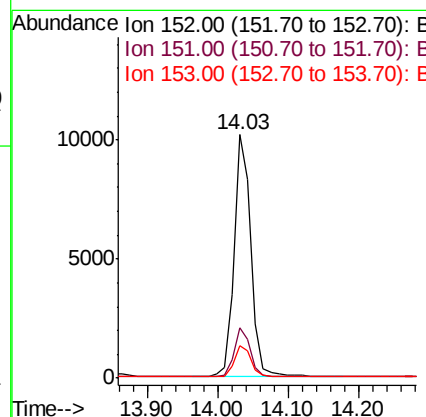
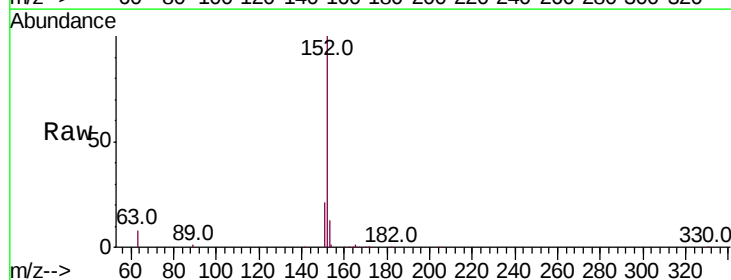
Instrument :
BNA_N
ClientSampleId :
PB111487BSD

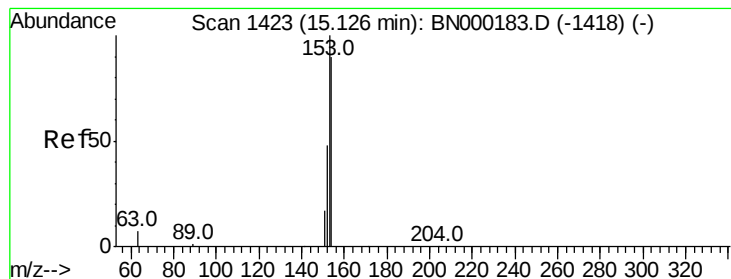
Tot Ion:172 Resp: 17910
Ion Ratio Lower Upper
172 100
171 35.0 29.9 44.9
170 22.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.413 ng
RT: 14.03 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

Tgt Ion:152 Resp: 17207
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.418 ng

RT: 14.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

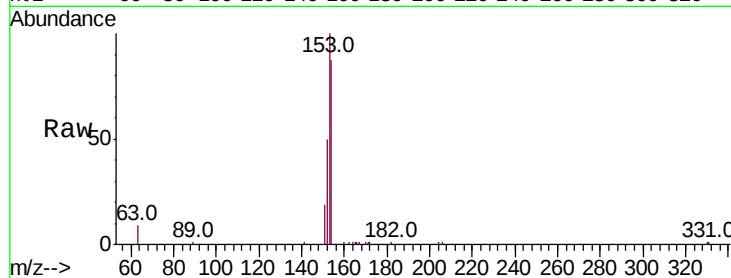
Tot Ion:154 Resp: 11204

Ion Ratio Lower Upper

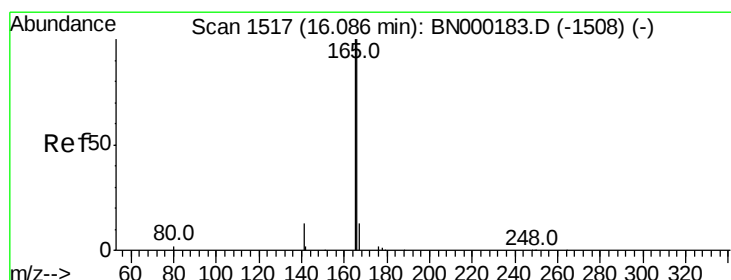
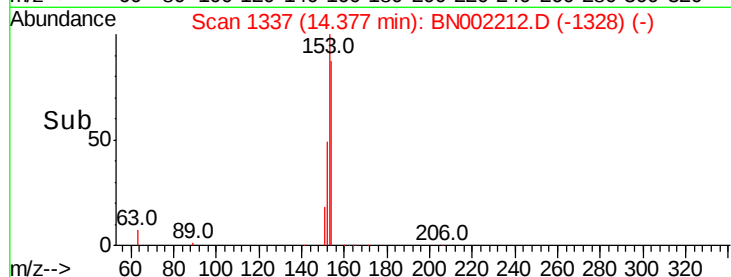
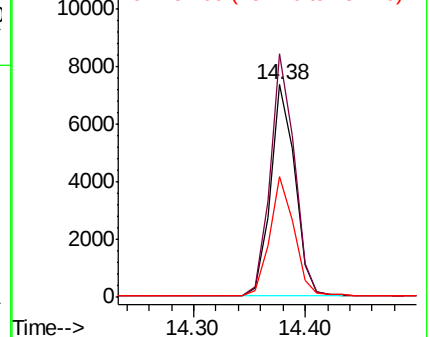
154 100

153 113.2 89.2 133.8

152 56.1 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: 0.424 ng

RT: 15.37 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

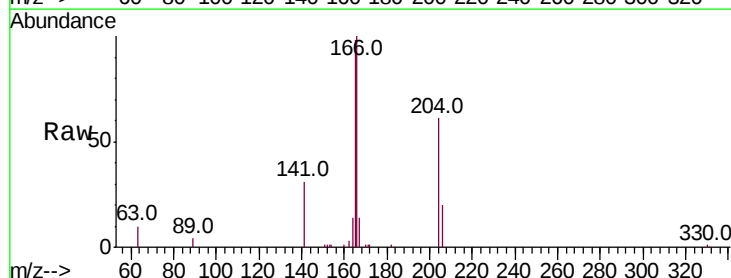
Tgt Ion:166 Resp: 13994

Ion Ratio Lower Upper

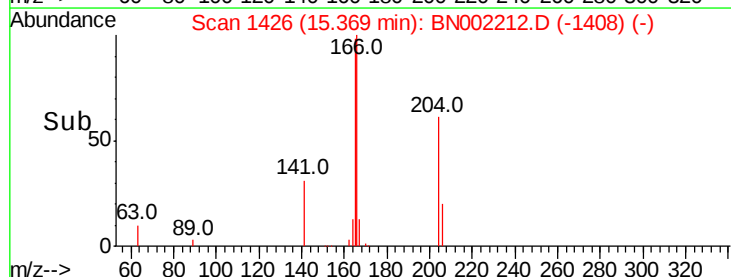
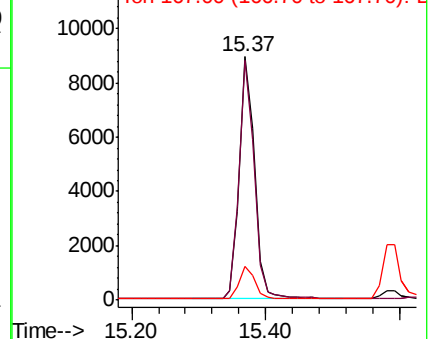
166 100

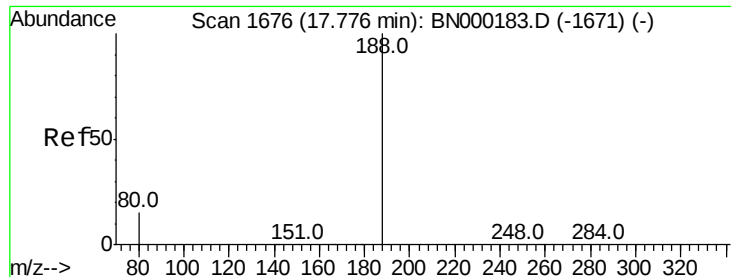
165 97.3 77.8 116.6

167 13.5 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: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

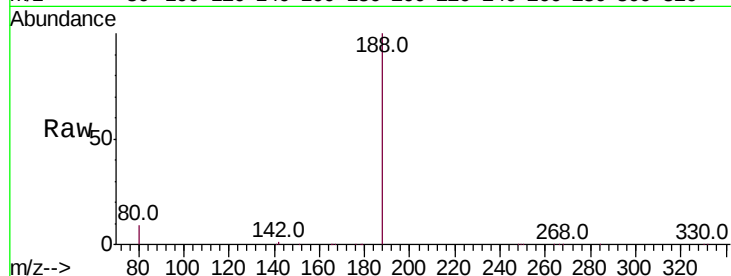
Tot Ion:188 Resp: 19636

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

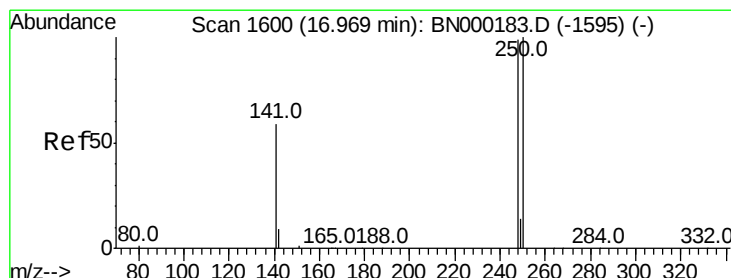
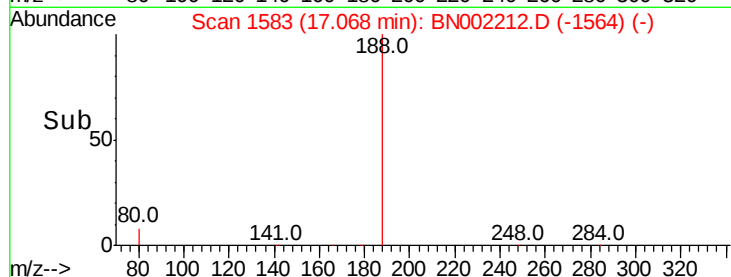
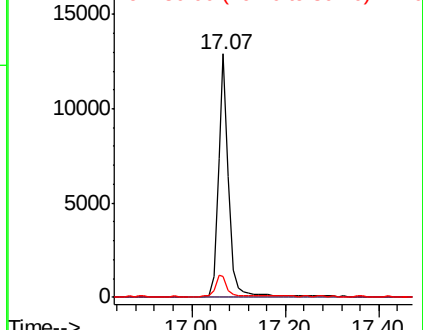
80 8.6 3.6 5.4#



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: 0.403 ng

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

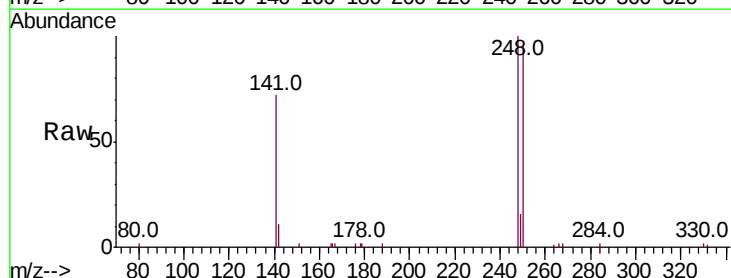
Tgt Ion:248 Resp: 4477

Ion Ratio Lower Upper

248 100

250 94.8 62.7 94.1#

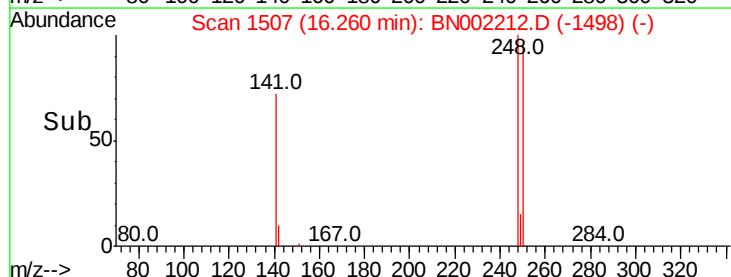
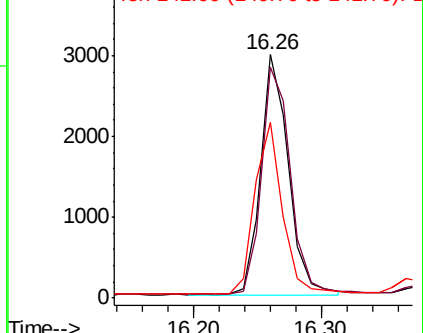
141 72.4 48.2 72.2#

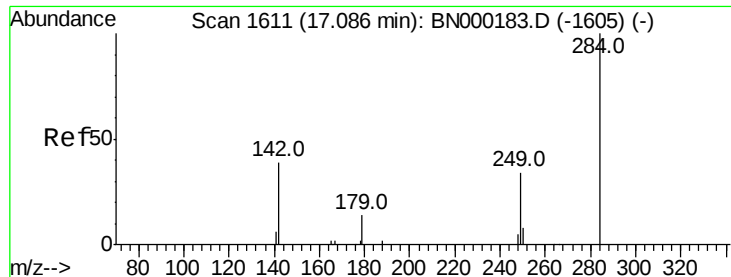


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

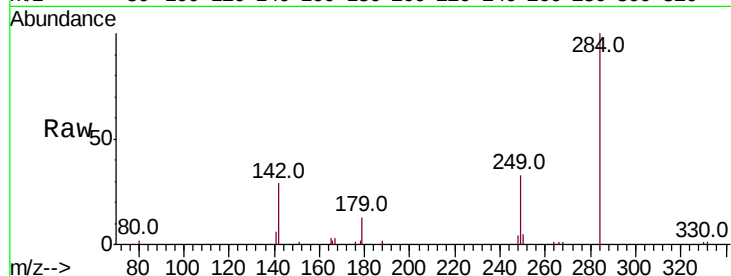




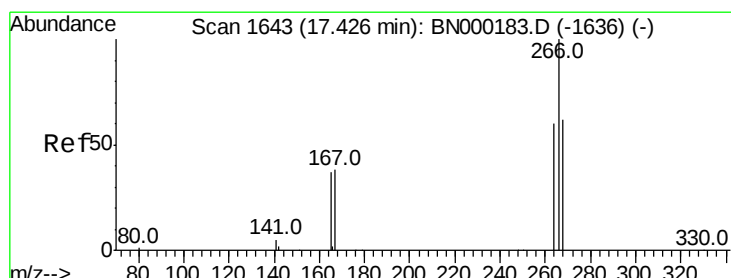
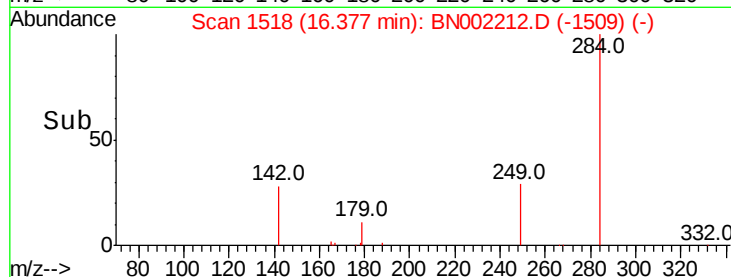
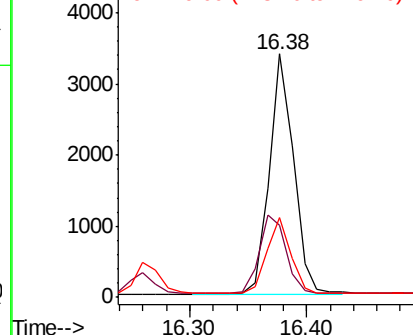
#21
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.38 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

Instrument :
BNA_N
ClientSampleId :
PB111487BSD

Tot Ion:284 Resp: 4885
Ion Ratio Lower Upper
284 100
142 36.2 32.0 48.0
249 31.1 24.0 36.0

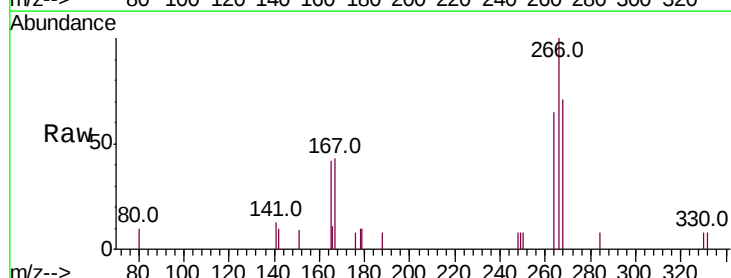


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

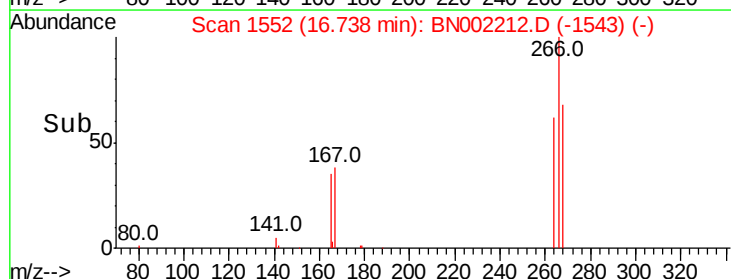
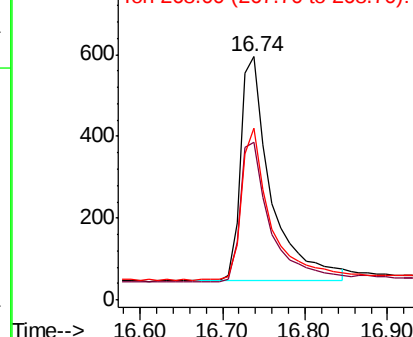


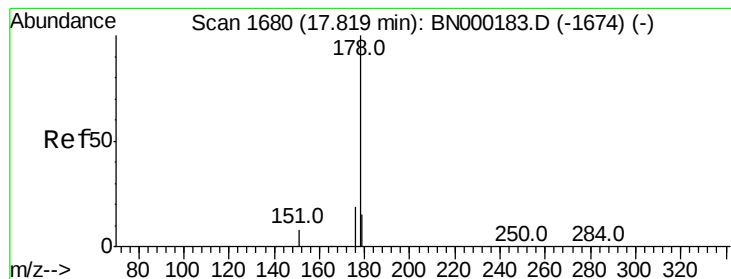
#22
Pentachlorophenol
Concen: 0.553 ng
RT: 16.74 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

Tgt Ion:266 Resp: 1413
Ion Ratio Lower Upper
266 100
264 64.9 48.0 72.0
268 70.8 52.0 78.0



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: 0.430 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

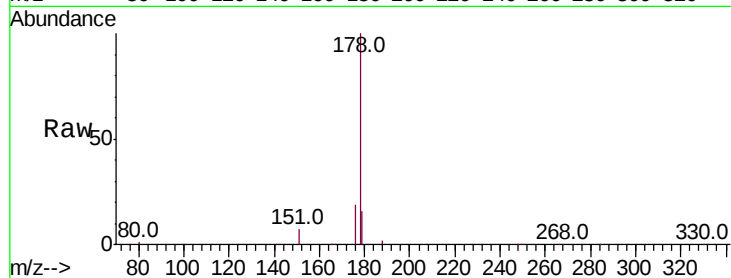
Tot Ion:178 Resp: 21000

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

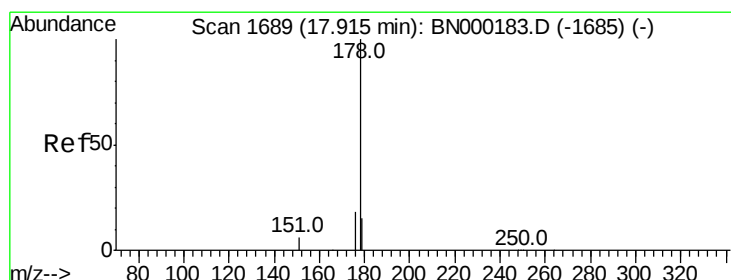
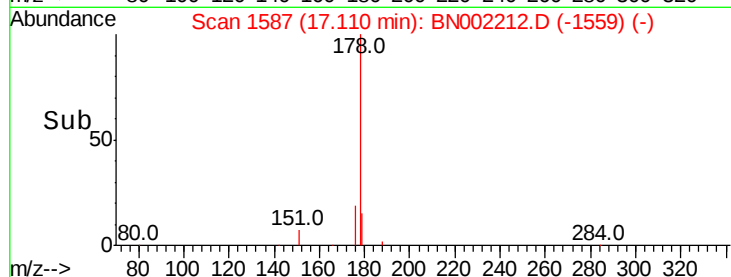
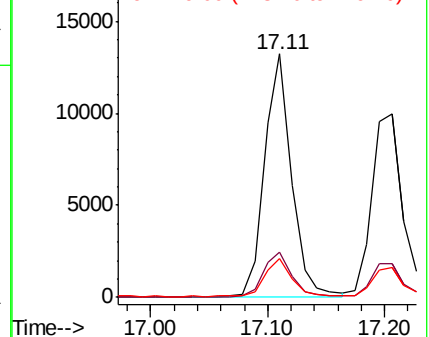
179 15.5 11.8 17.6



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: 0.439 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

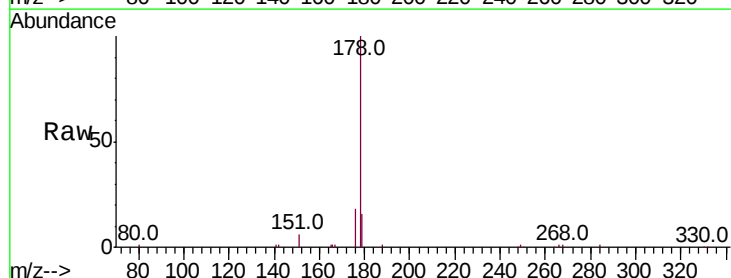
Tgt Ion:178 Resp: 17753

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

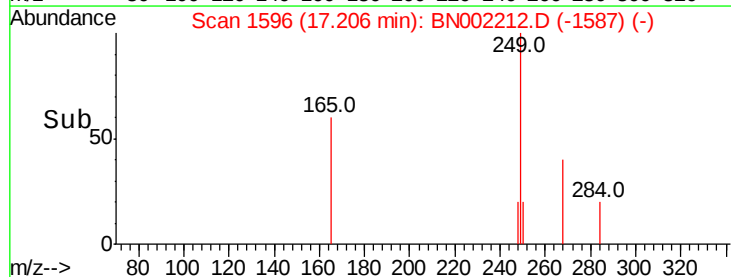
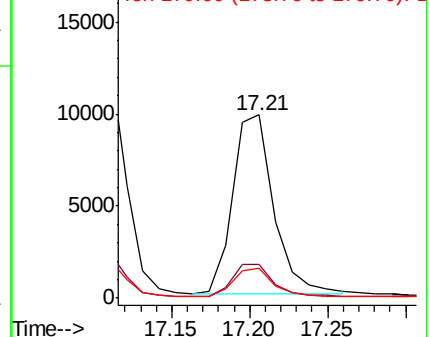
179 15.2 13.0 19.6

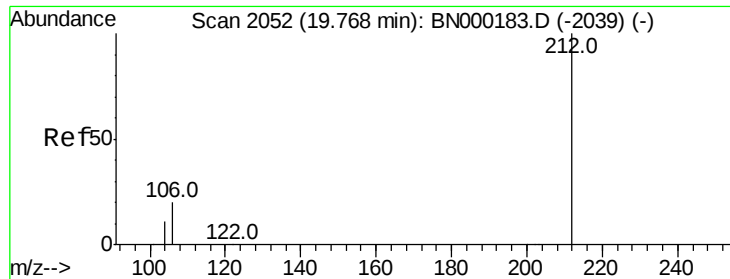


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

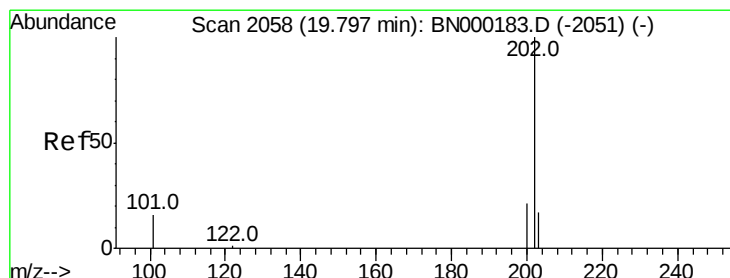
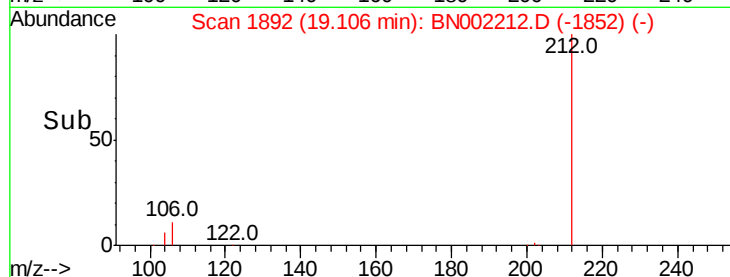
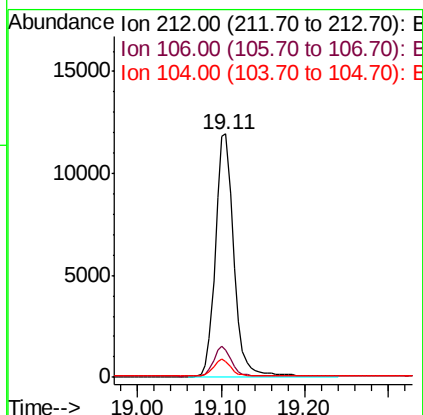
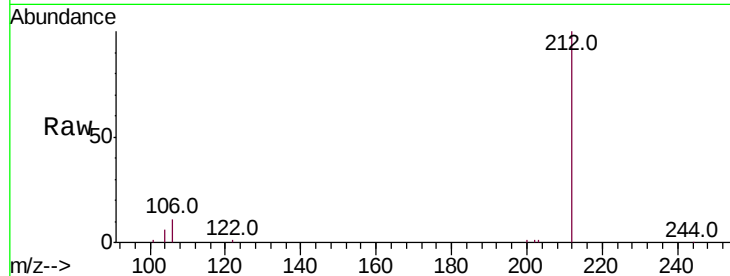




#25
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

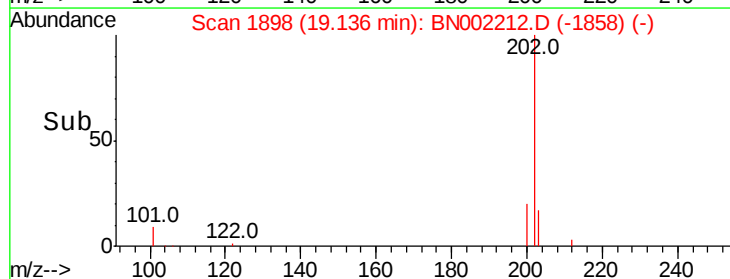
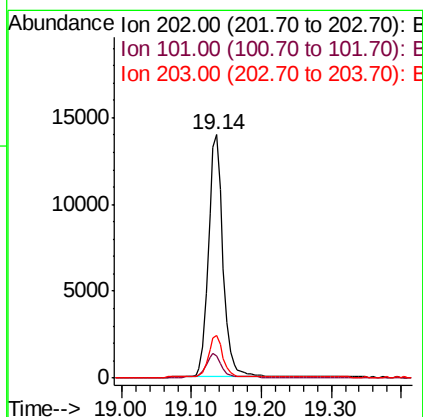
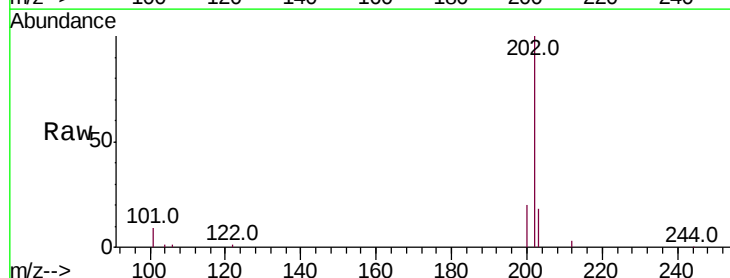
Instrument :
BNA_N
ClientSampleId :
PB111487BSD

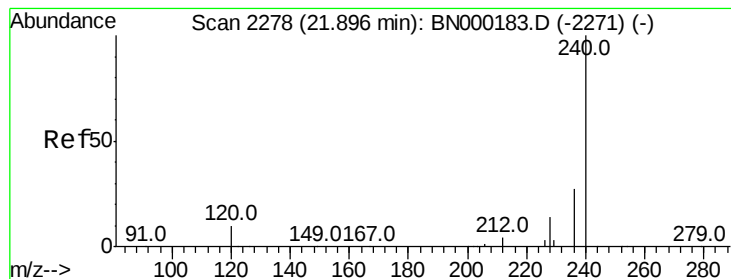
Tot Ion:212 Resp: 18168
Ion Ratio Lower Upper
212 100
106 11.7 2.8 4.2#
104 6.6 1.6 2.4#



#26
Fluoranthene
Concen: 0.382 ng
RT: 19.14 min Scan# 1898
Delta R.T. -0.00 min
Lab File: BN002212.D
Acq: 31 Jul 2018 15:41

Tgt Ion:202 Resp: 20335
Ion Ratio Lower Upper
202 100
101 9.7 9.8 14.8#
203 17.1 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: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

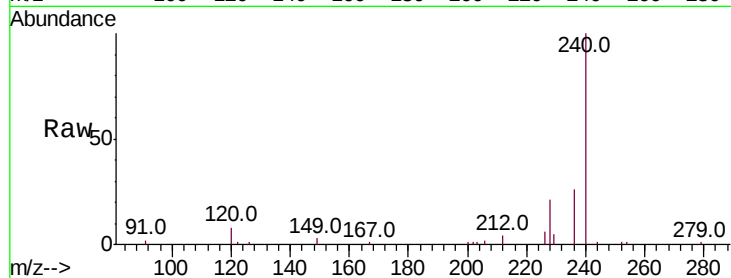
Tot Ion:240 Resp: 12252

Ion Ratio Lower Upper

240 100

120 7.8 5.5 8.3

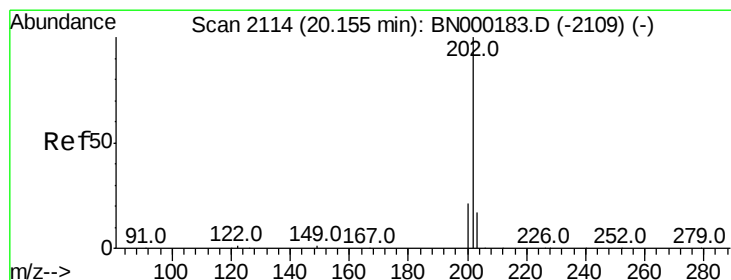
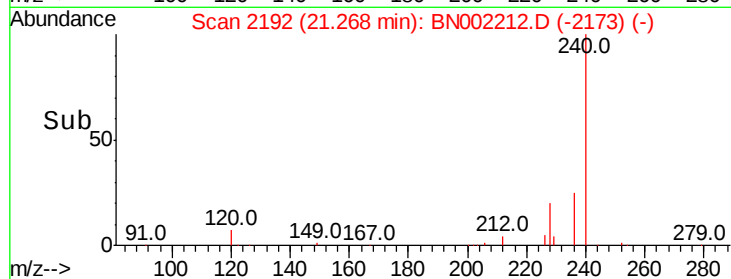
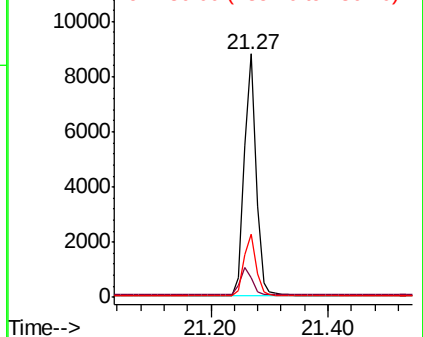
236 25.8 20.7 31.1



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: 0.529 ng

RT: 19.50 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

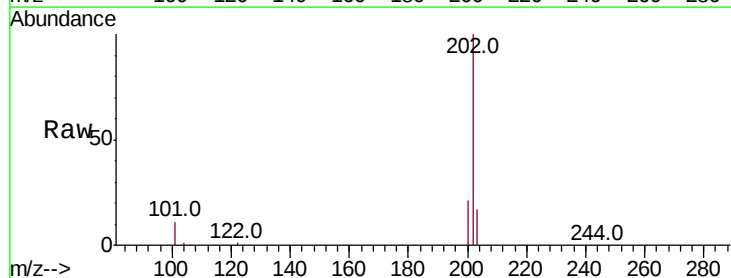
Tgt Ion:202 Resp: 19183

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

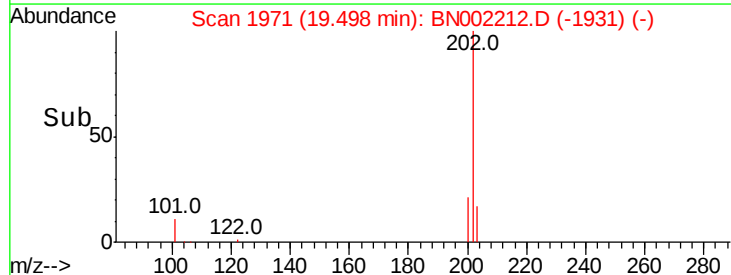
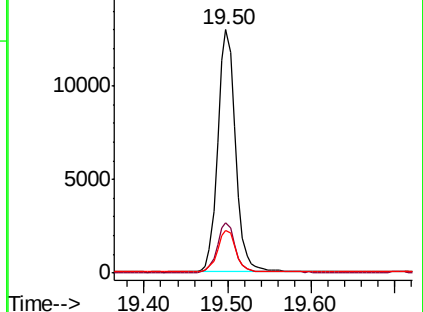
203 17.9 13.8 20.8

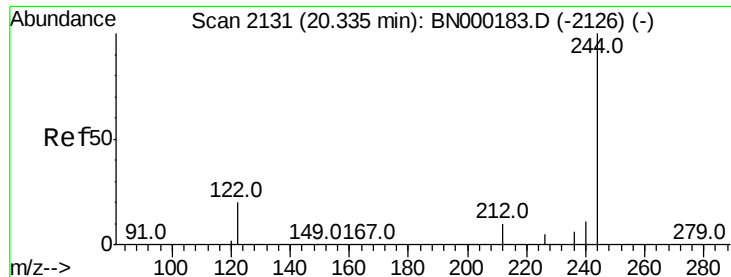


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.465 ng

RT: 19.71 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

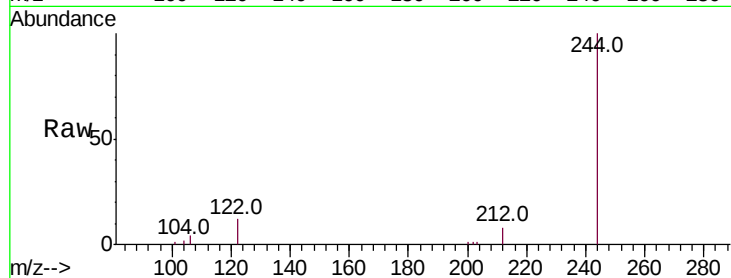
Tot Ion:244 Resp: 12167

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

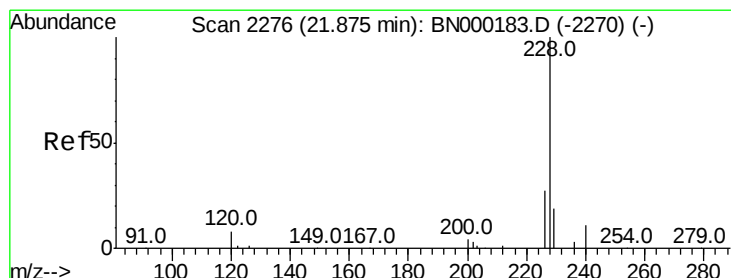
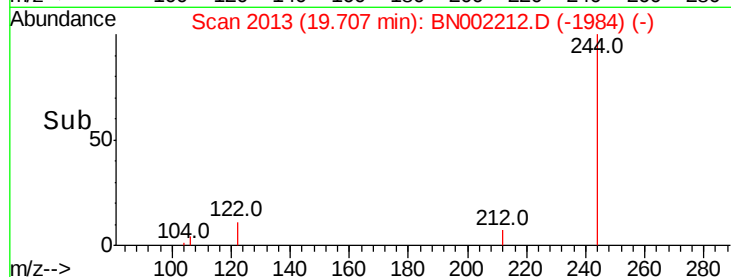
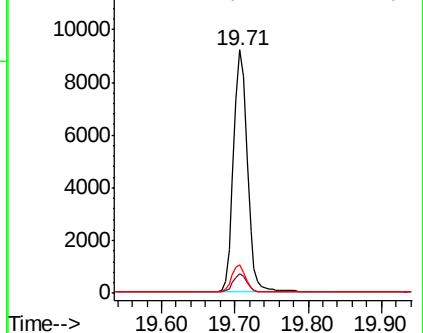
122 11.5 8.1 12.1



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: 0.448 ng

RT: 21.25 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

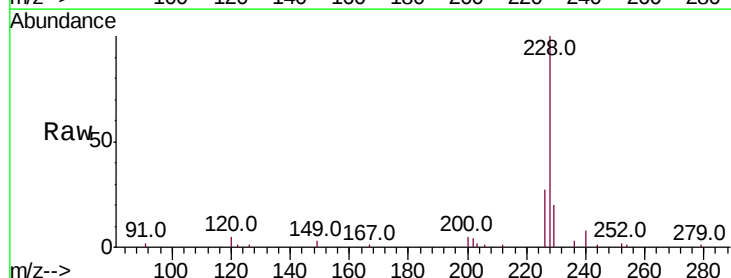
Tgt Ion:228 Resp: 13811

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

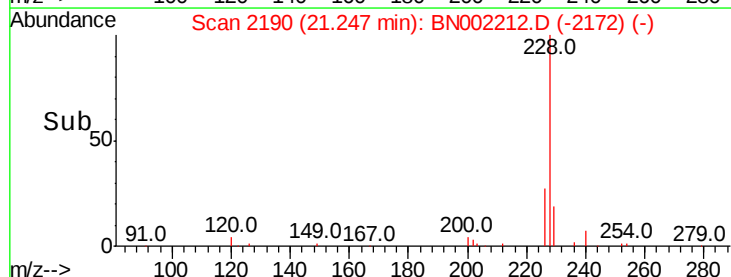
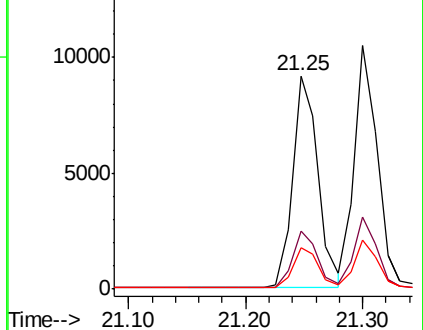
229 19.7 16.0 24.0

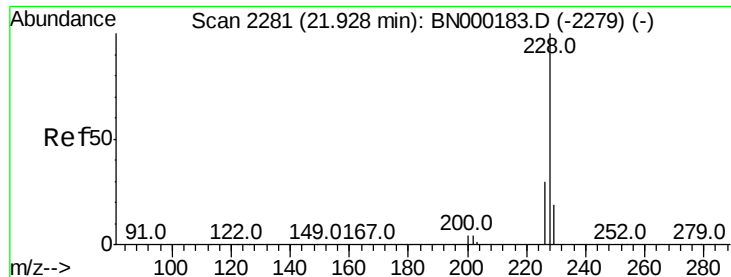


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.417 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

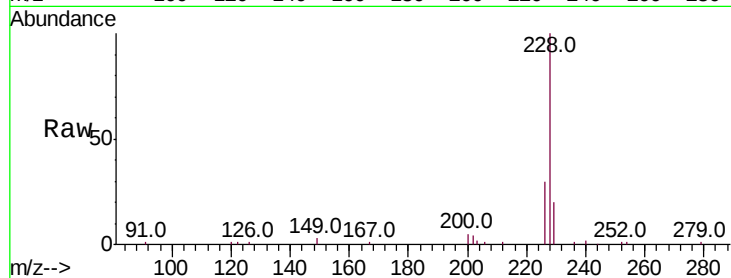
BNA_N

ClientSampleId :

PB111487BSD

Tot Ion:228 Resp: 14390

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.1	16.0	24.0

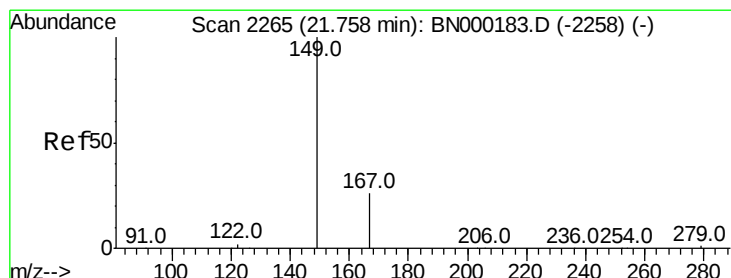
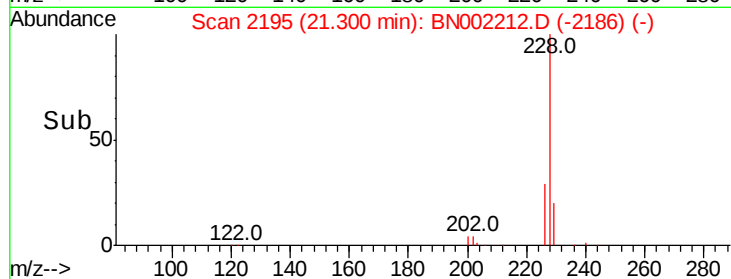
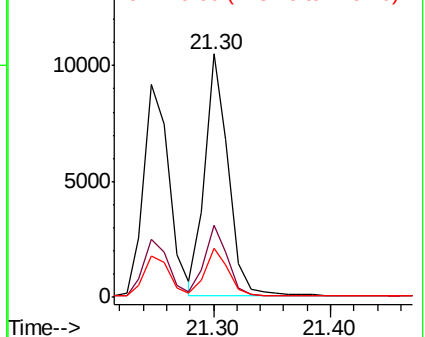


Abundance

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: 0.437 ng

RT: 21.18 min Scan# 2184

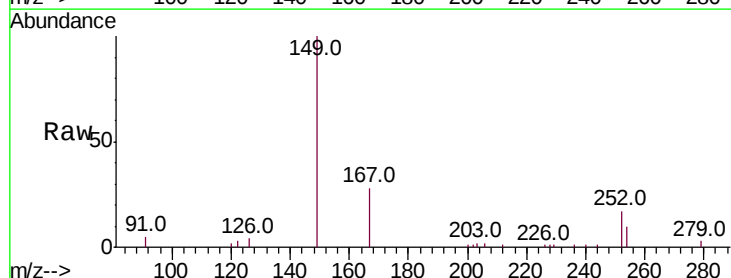
Delta R.T. -0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Tgt Ion:149 Resp: 6152

Ion	Ratio	Lower	Upper
149	100		
167	28.0	20.0	30.0
279	4.5	1.6	2.4

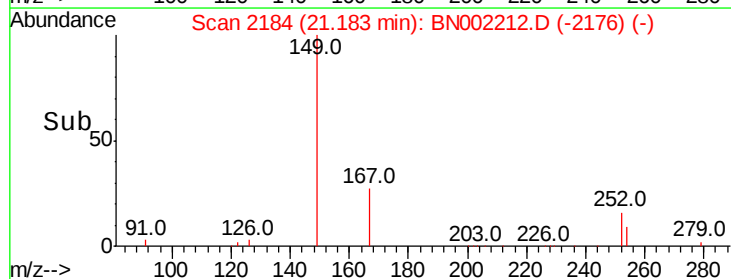
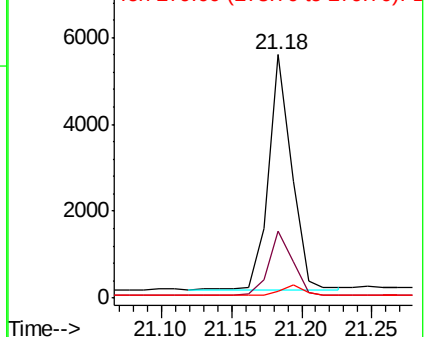


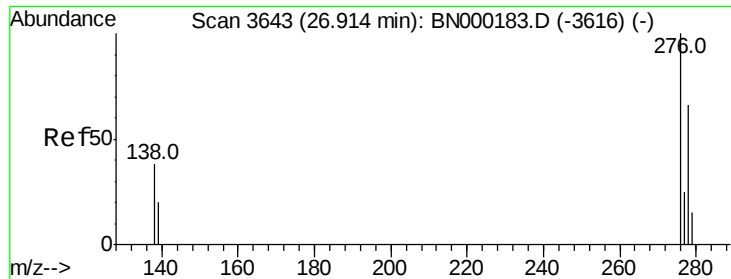
Abundance

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: 0.413 ng

RT: 25.72 min Scan# 3268

Delta R.T. -0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

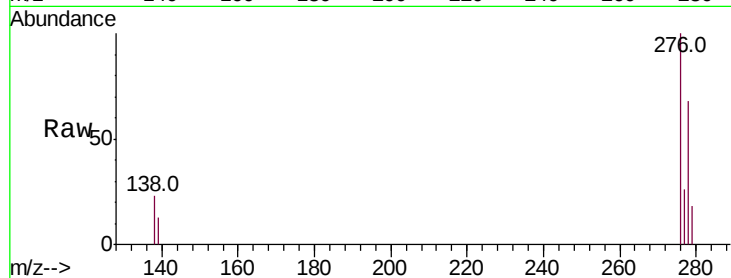
Tot Ion:276 Resp: 13427

Ion Ratio Lower Upper

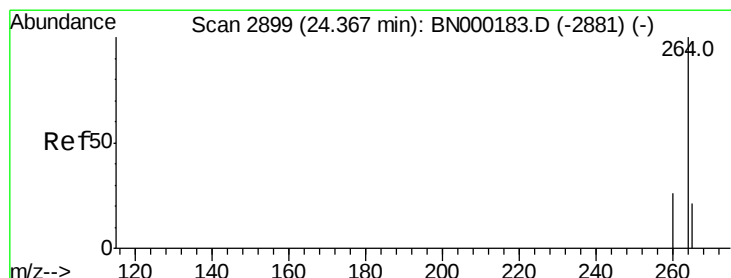
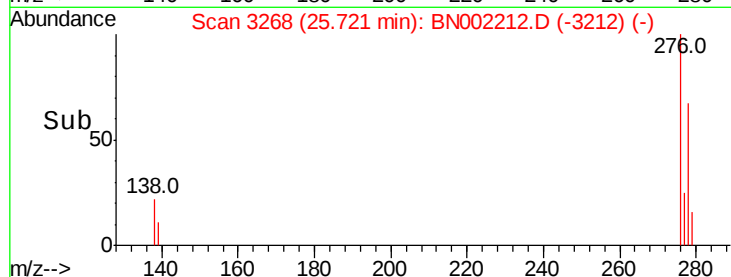
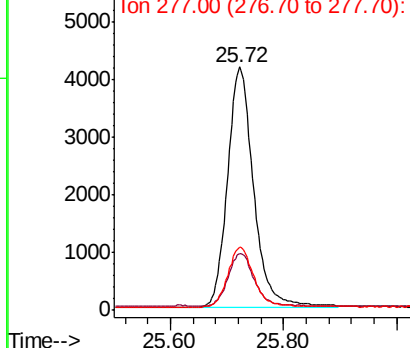
276 100

138 22.2 22.5 33.7#

277 24.9 19.9 29.9



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: 23.50 min Scan# 2618

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

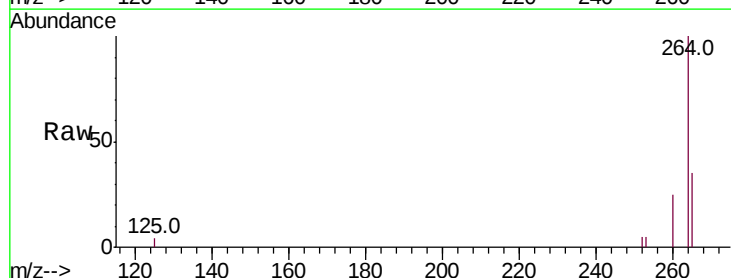
Tgt Ion:264 Resp: 9105

Ion Ratio Lower Upper

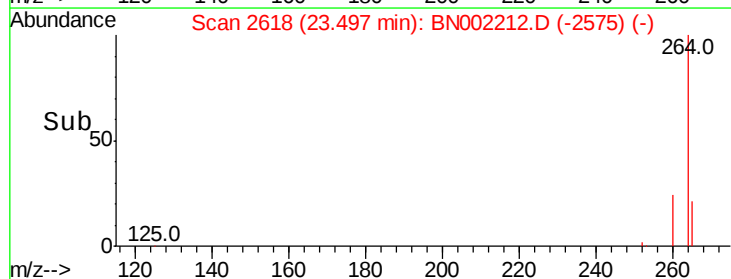
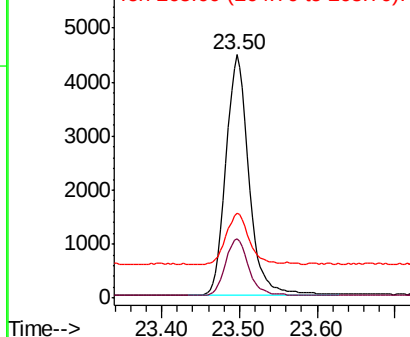
264 100

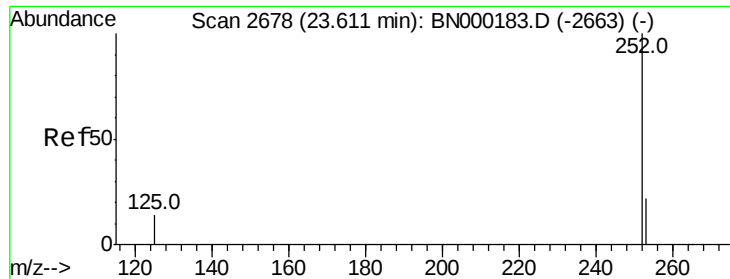
260 24.5 20.5 30.7

265 35.0 22.8 34.2#



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: 0.459 ng

RT: 22.83 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

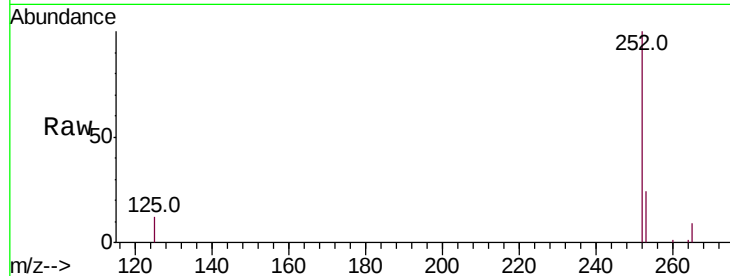
Tot Ion:252 Resp: 12292

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

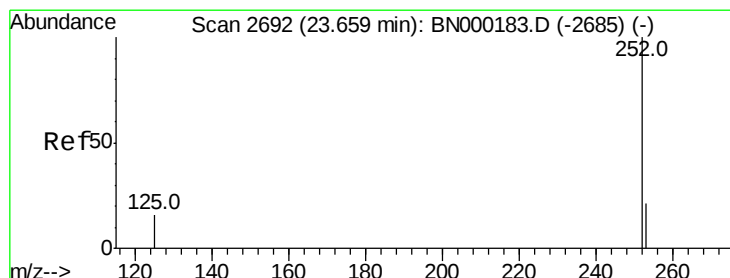
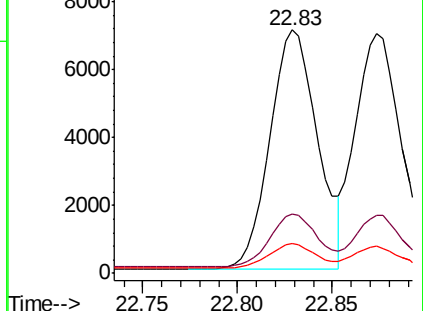
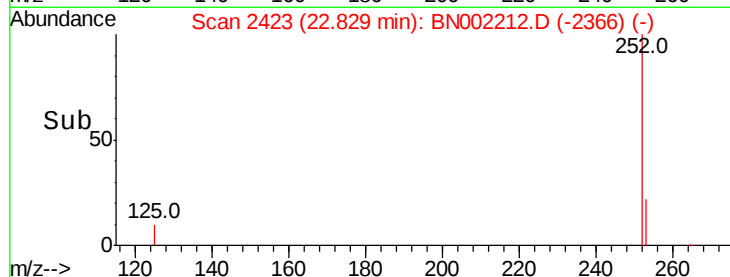
125 12.0 16.0 24.0#



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: 0.434 ng

RT: 22.87 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

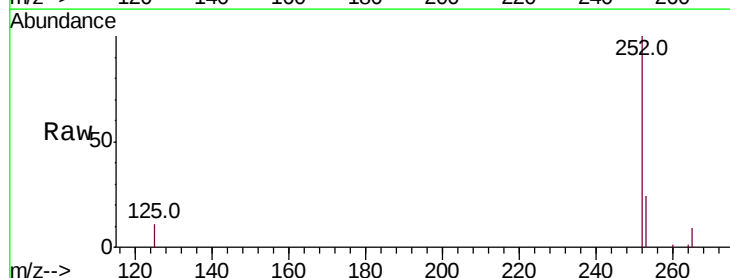
Tgt Ion:252 Resp: 12059

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

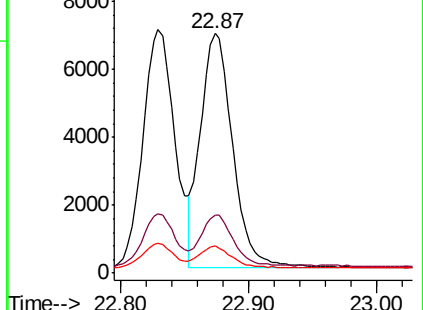
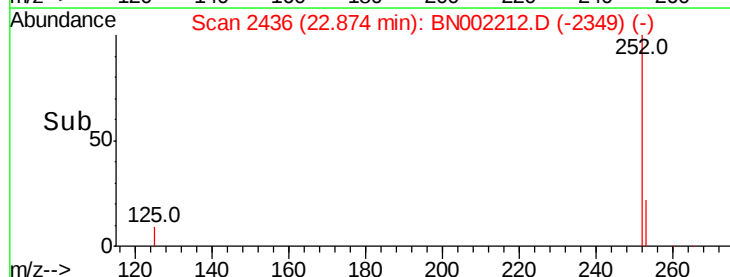
125 11.2 8.0 12.0

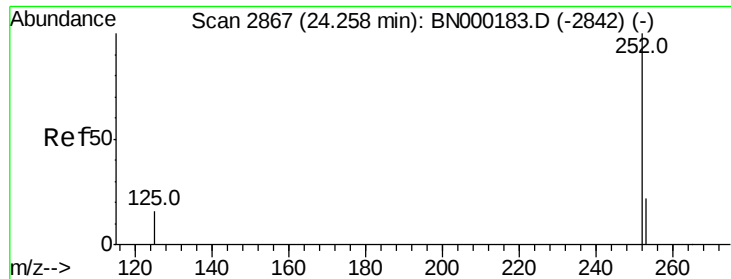


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.459 ng

RT: 23.40 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

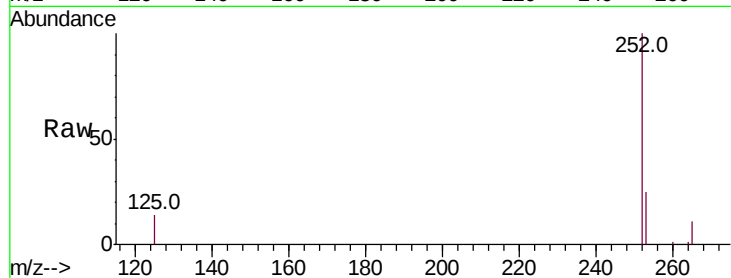
Tot Ion:252 Resp: 11127

Ion Ratio Lower Upper

252 100

253 25.2 16.0 24.0#

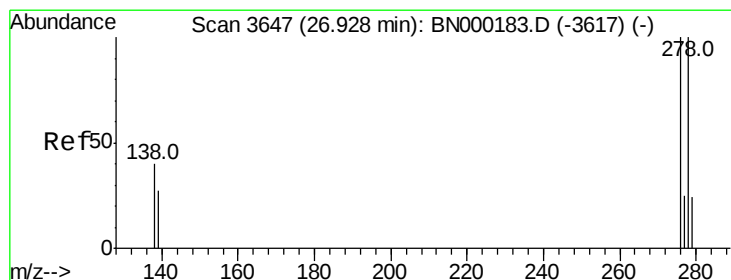
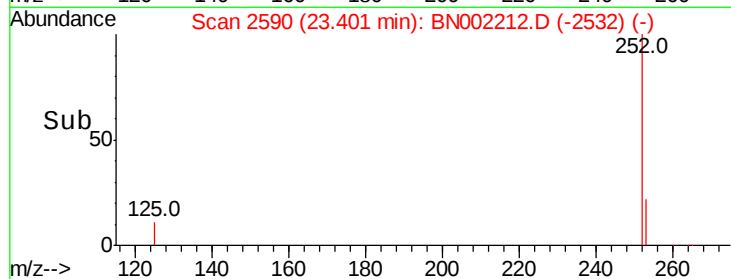
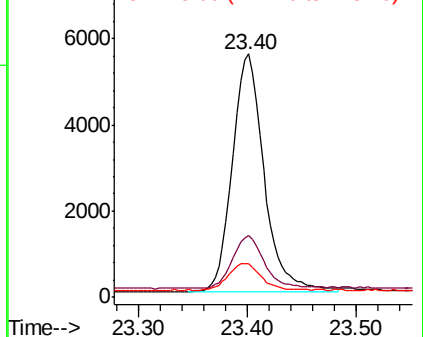
125 14.0 12.0 18.0



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: 0.465 ng

RT: 25.74 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

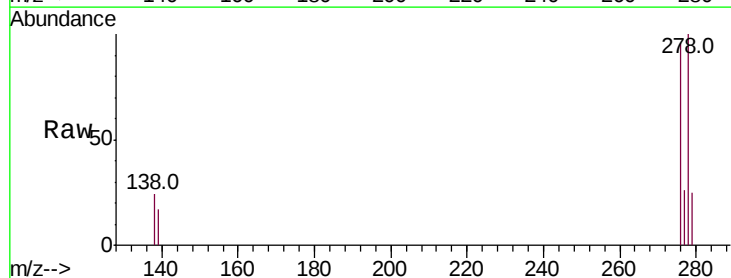
Tgt Ion:278 Resp: 10978

Ion Ratio Lower Upper

278 100

139 16.6 16.0 24.0

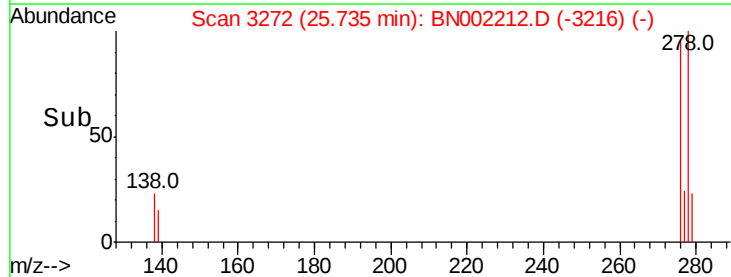
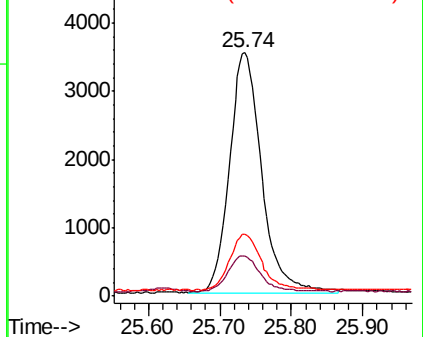
279 25.4 20.0 30.0

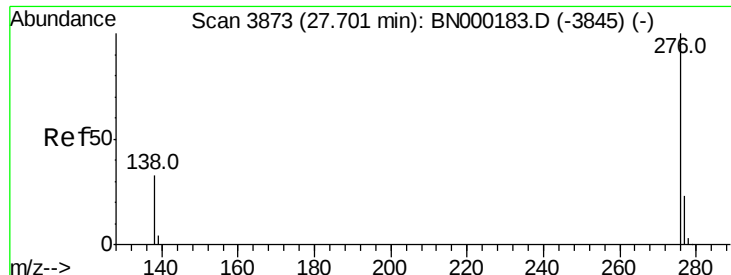


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.486 ng

RT: 26.40 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BN002212.D

Acq: 31 Jul 2018 15:41

Instrument :

BNA_N

ClientSampleId :

PB111487BSD

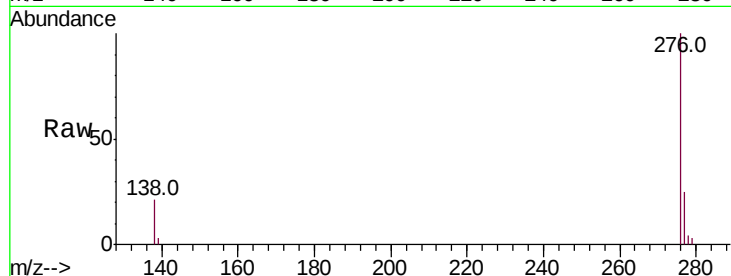
Tot Ion:276 Resp: 11726

Ion Ratio Lower Upper

276 100

277 24.8 16.0 24.0#

138 20.8 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

