

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101718\
 Data File : BN003187.D
 Acq On : 17 Oct 2018 19:28
 Operator : MJ/SJ
 Sample : J5302-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW-3

Quant Time: Oct 18 15:38:50 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	7.65	152	1100	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	4910	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	3501	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	9312	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	12067	0.40	ng	-0.01
34) Perylene-d12	23.46	264	13131	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	583	0.24	ng	0.00
5) Phenol-d6	6.94	99	396	0.11	ng	0.00
8) Nitrobenzene-d5	8.89	82	1218	0.39	ng	0.03
11) 2-Methylnaphthalene-d10	12.03	152	3200	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	992	0.44	ng	-0.02
15) 2-Fluorobiphenyl	12.89	172	6340	0.46	ng	-0.03
25) Fluoranthene-d10	19.07	212	11780	0.41	ng	0.00
29) Terphenyl-d14	19.66	244	12079	0.46	ng	0.00

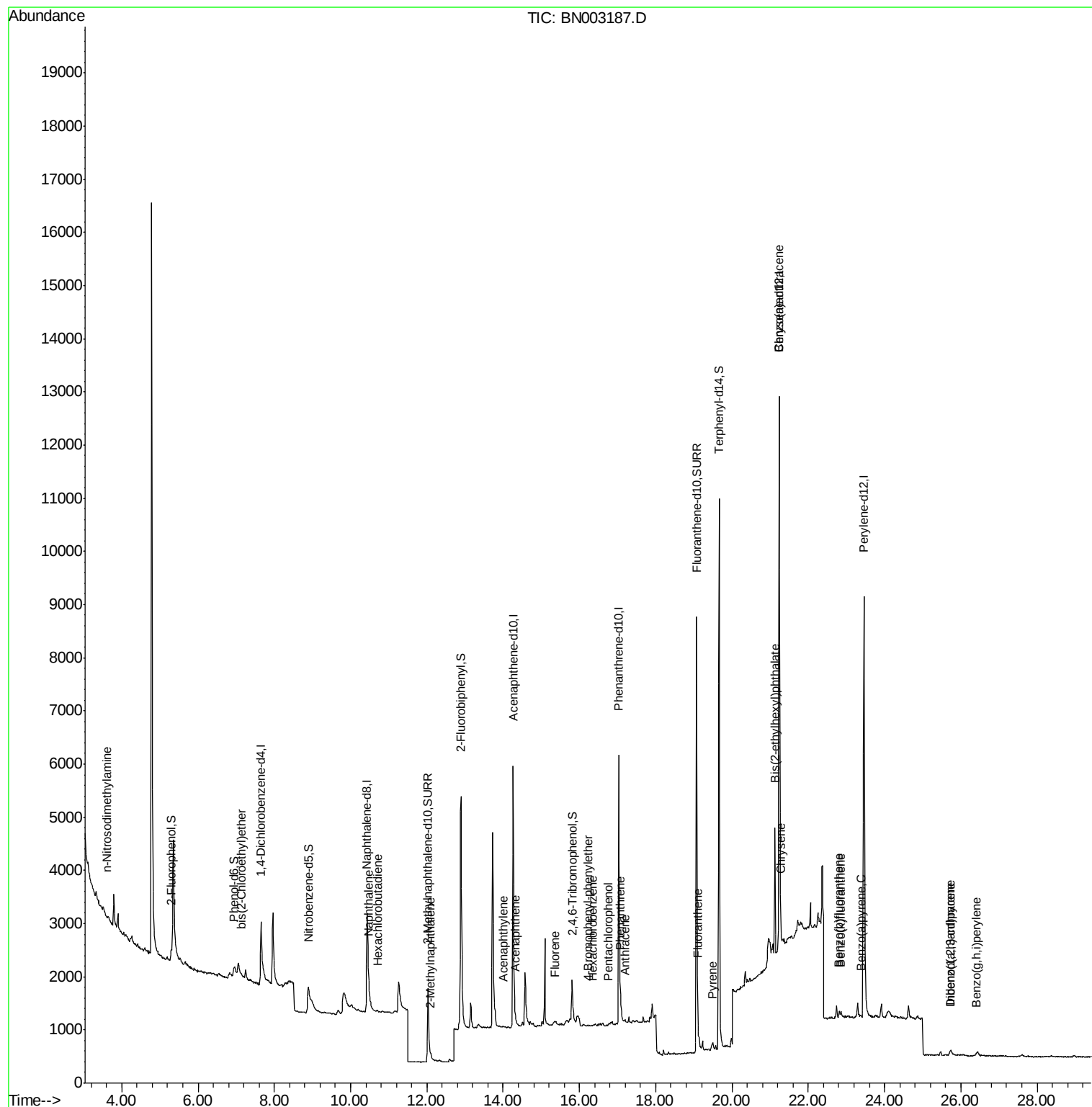
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.61	42	8	0.159	ng	# 1
6) bis(2-Chloroethyl)ether	7.15	93	4	0.001	ng	# 1
9) Naphthalene	10.48	128	212	0.017	ng	# 1
10) Hexachlorobutadiene	10.71	225	2	0.001	ng	# 18
12) 2-Methylnaphthalene	12.10	142	56	0.007	ng	# 66
16) Acenaphthylene	14.00	152	12	0.001	ng	# 1
17) Acenaphthene	14.32	154	25	0.002	ng	# 75
18) Fluorene	15.35	166	81	0.006	ng	# 9
20) 4-Bromophenyl-phenylether	16.22	248	1	0.000	ng	# 57
21) Hexachlorobenzene	16.35	284	3	0.001	ng	# 1
22) Pentachlorophenol	16.75	266	3	0.085	ng	# 68
23) Phenanthrene	17.08	178	303	0.012	ng	# 99
24) Anthracene	17.20	178	70	0.003	ng	# 67
26) Fluoranthene	19.11	202	141	0.005	ng	# 88
28) Pyrene	19.48	202	135	0.004	ng	# 90
30) Benzo(a)anthracene	21.24	228	125	0.004	ng	# 2
31) Chrysene	21.28	228	169	0.005	ng	# 19
32) Bis(2-ethylhexyl)phthalate	21.13	149	2249	0.122	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.72	276	62	0.001	ng	# 93
35) Benzo(b)fluoranthene	22.82	252	173	0.005	ng	# 1
36) Benzo(k)fluoranthene	22.85	252	143	0.003	ng	# 1
37) Benzo(a)pyrene	23.38	252	99	0.003	ng	# 1
38) Dibenzo(a,h)anthracene	25.72	278	66	0.002	ng	# 1
39) Benzo(g,h,i)perylene	26.41	276	66	0.002	ng	# 1

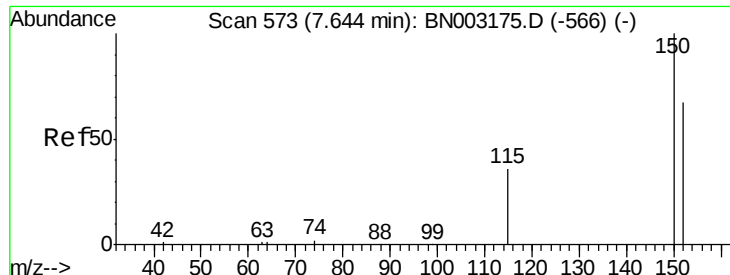
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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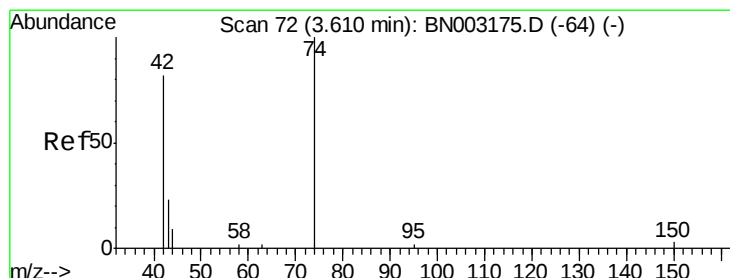
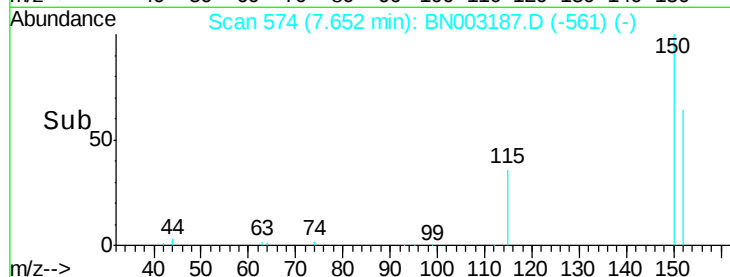
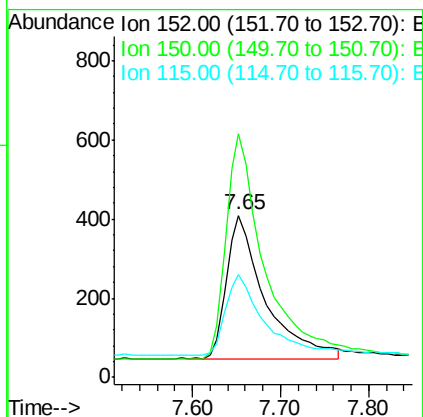
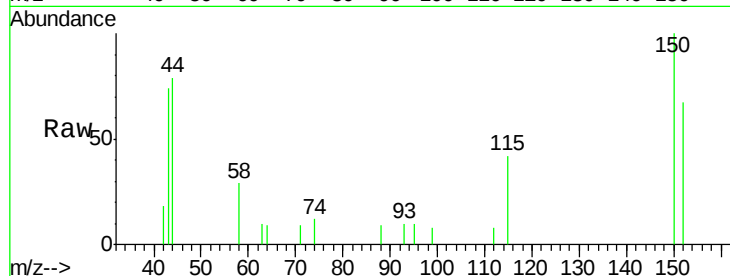




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.65 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

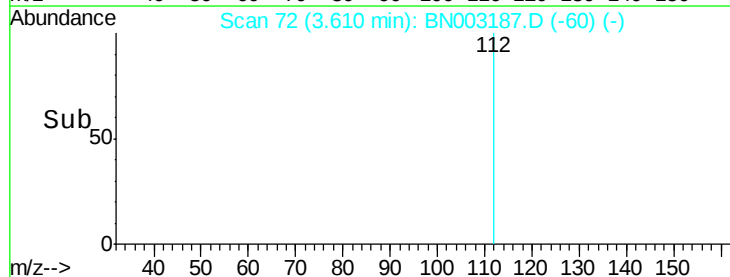
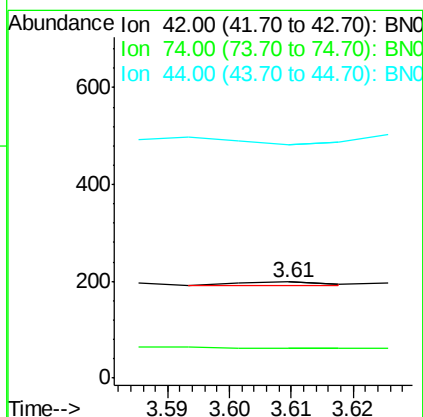
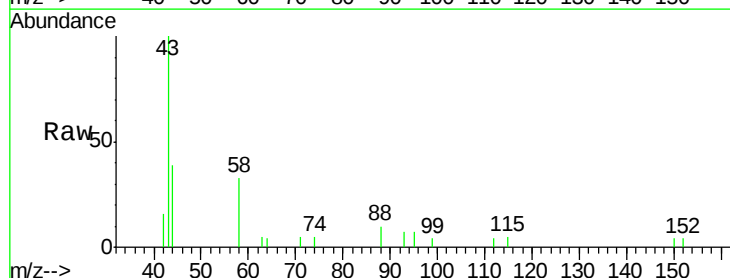
Instrument :
 BNA_N
 ClientSampleId :
 TW-3

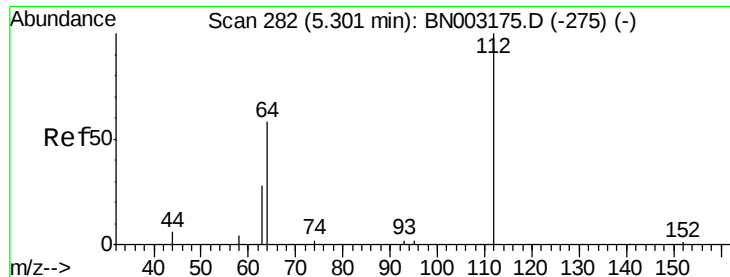
Tgt Ion: 152 Resp: 1100
 Ion Ratio Lower Upper
 152 100
 150 150.4 126.2 189.4
 115 63.6 49.8 74.6



#3
 n-Nitrosodimethylamine
 Concen: 0.159 ng
 RT: 3.61 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

Tgt Ion: 42 Resp: 8
 Ion Ratio Lower Upper
 42 100
 74 0.0 102.9 154.3#
 44 637.5 0.0 0.0#





#4

2-Fluorophenol

Concen: 0.240 ng

RT: 5.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

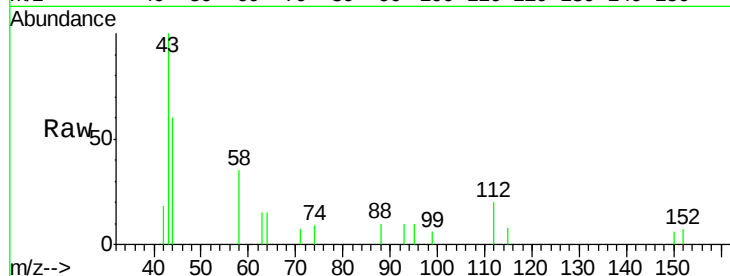
Tgt Ion: 112 Resp: 583

Ion Ratio Lower Upper

112 100

64 59.7 49.0 73.4

63 44.1 25.9 38.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.31

150

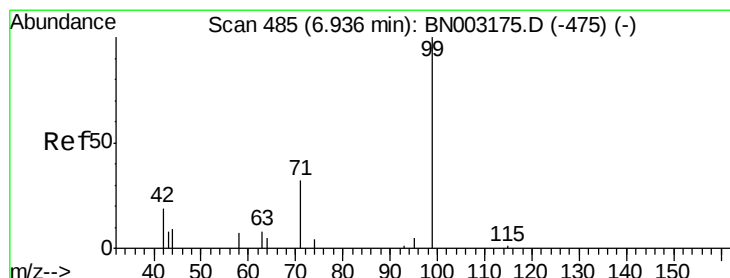
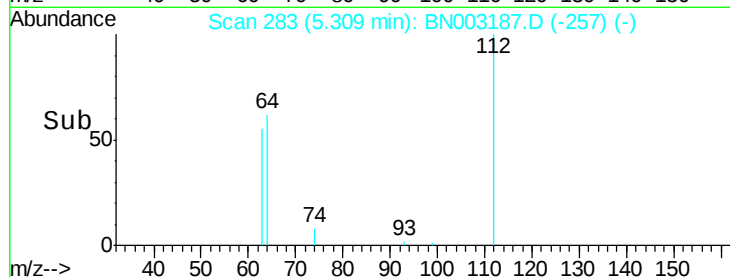
100

50

0

5.20 5.30 5.40 5.50

Time-->



#5

Phenol-d6

Concen: 0.114 ng

RT: 6.94 min Scan# 486

Delta R.T. 0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

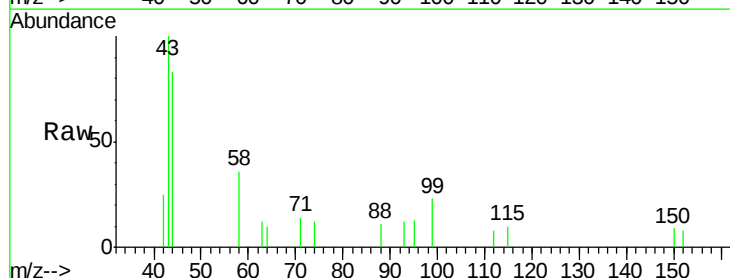
Tgt Ion: 99 Resp: 396

Ion Ratio Lower Upper

99 100

42 14.4 15.4 23.2#

71 24.7 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

6.94

150

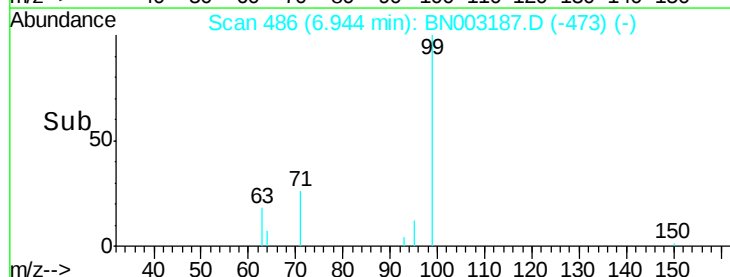
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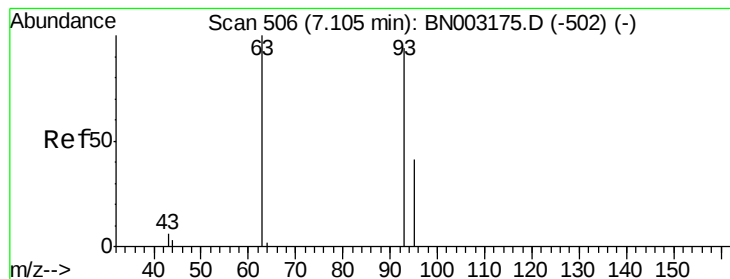
50

0

6.90 7.00

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.001 ng

RT: 7.15 min Scan# 512

Delta R.T. 0.05 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

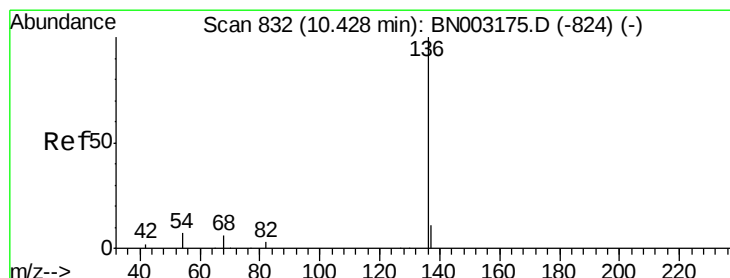
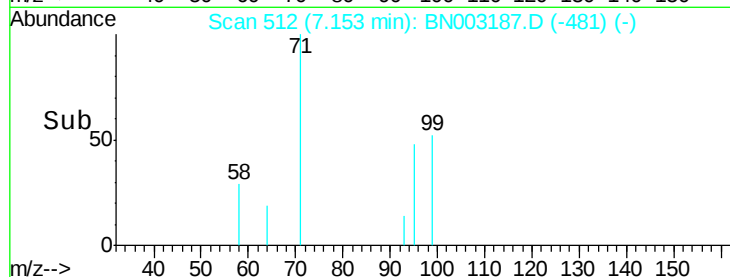
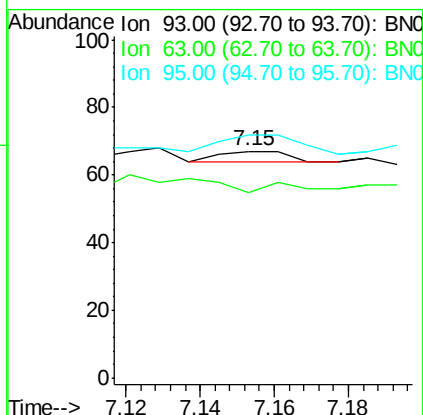
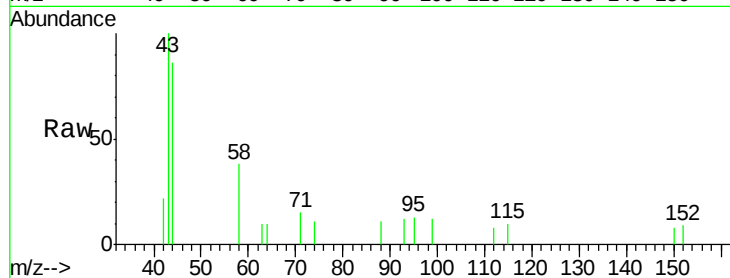
Tgt Ion: 93 Resp: 4

Ion Ratio Lower Upper

93 100

63 0.0 54.2 81.4#

95 275.0 24.9 37.3#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 832

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Tgt Ion: 136 Resp: 4910

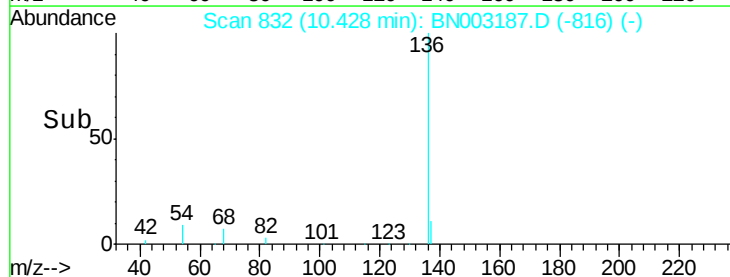
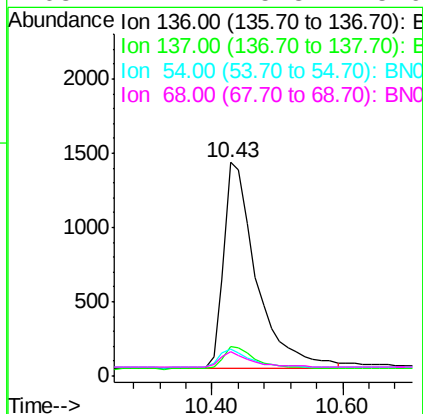
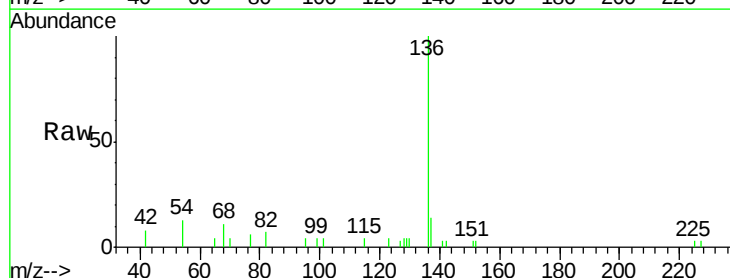
Ion Ratio Lower Upper

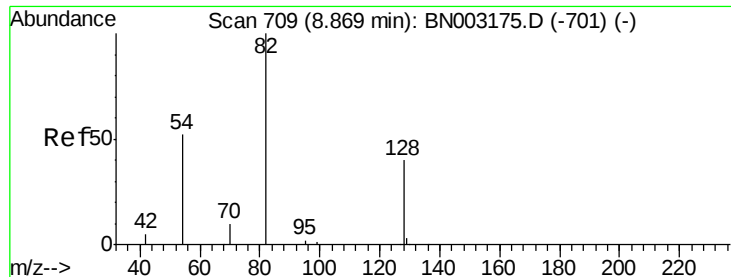
136 100

137 14.0 9.4 14.0

54 12.9 7.4 11.0#

68 11.4 5.8 8.6#





#8

Nitrobenzene-d5

Concen: 0.385 ng

RT: 8.89 min Scan# 711

Delta R.T. 0.03 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

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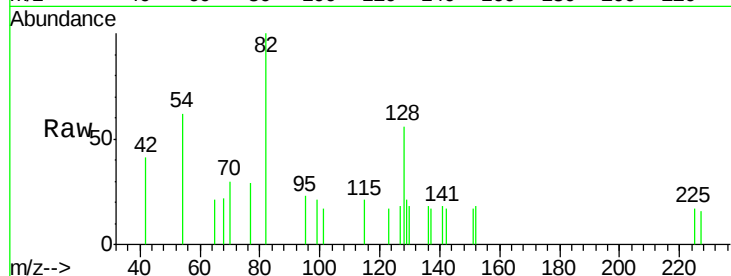
Tgt Ion: 82 Resp: 1218

Ion Ratio Lower Upper

82 100

128 55.8 38.2 57.4

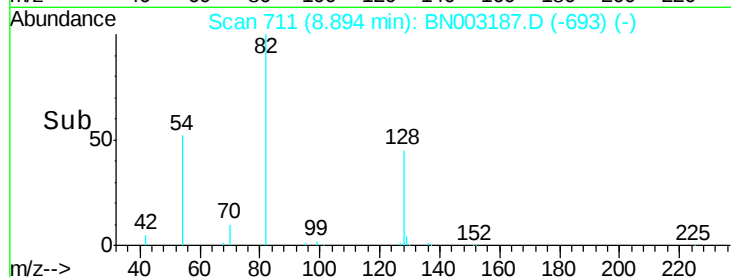
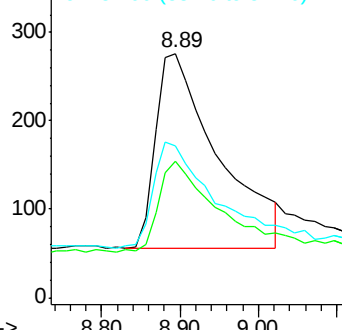
54 62.0 44.1 66.1



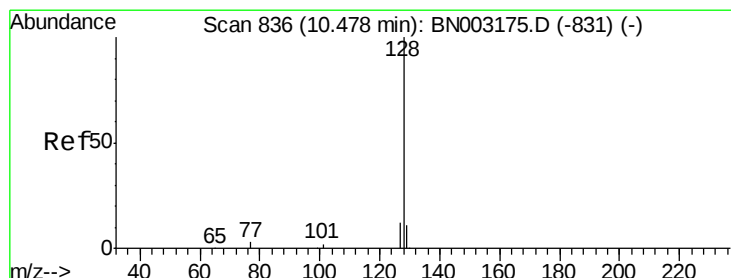
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#9

Naphthalene

Concen: 0.017 ng

RT: 10.48 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

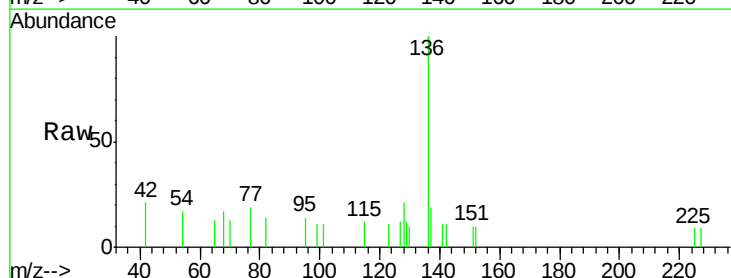
Tgt Ion: 128 Resp: 212

Ion Ratio Lower Upper

128 100

129 58.0 9.8 14.6#

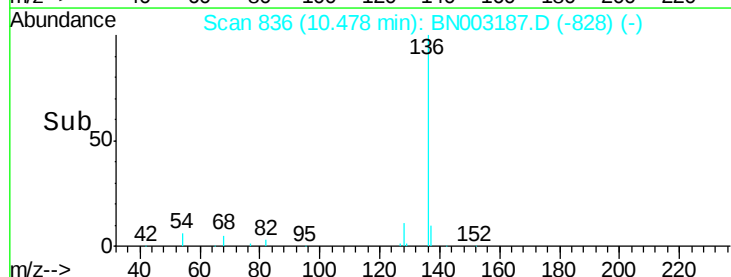
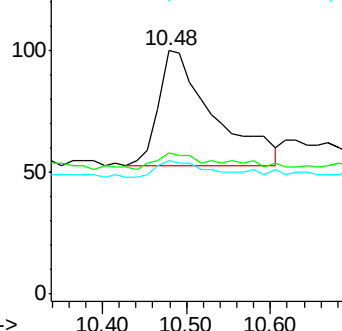
127 55.0 11.4 17.2#



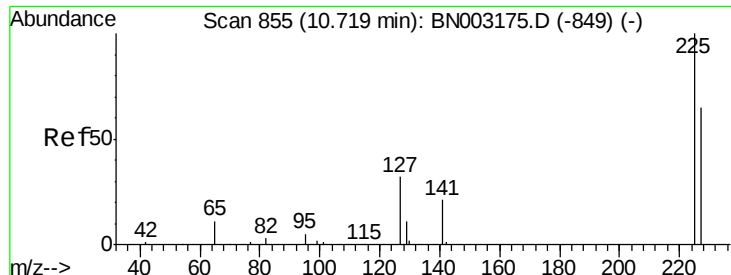
Abundance Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC



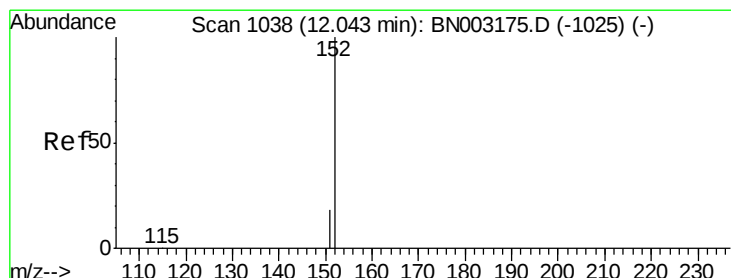
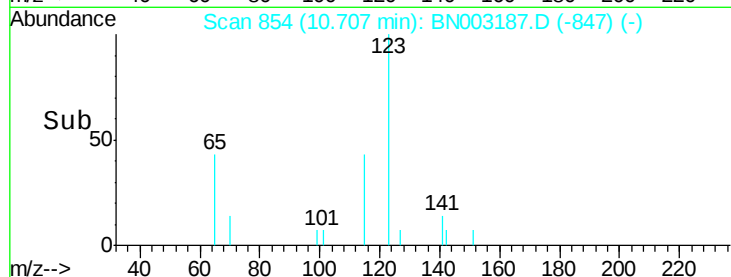
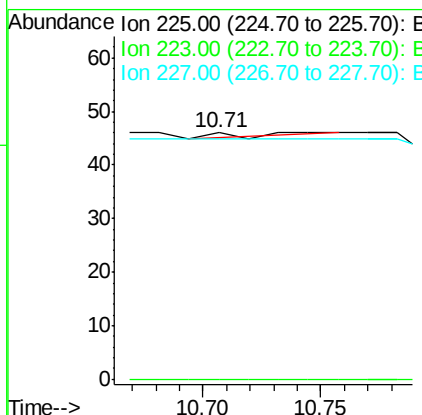
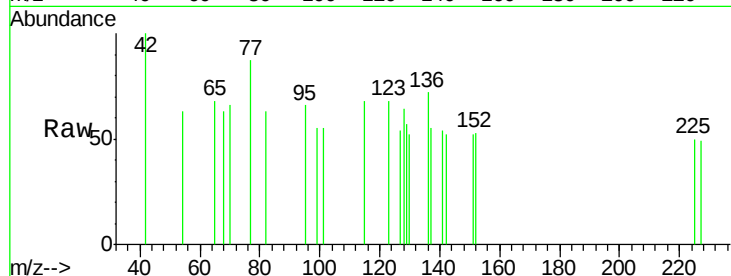
Time-->



#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.71 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

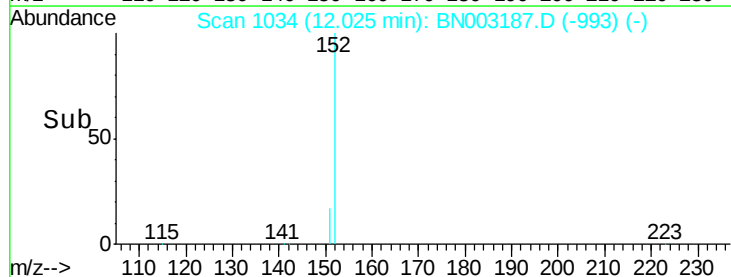
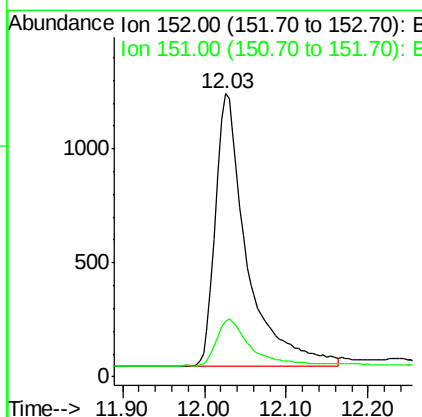
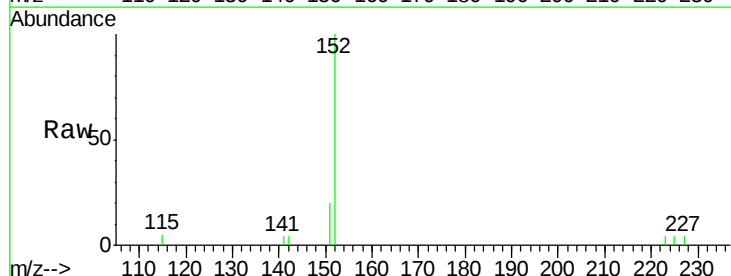
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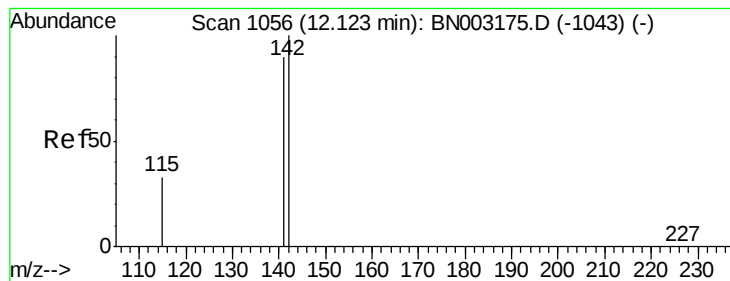
Tgt Ion: 225 Resp: 2
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 0.0 51.8 77.8#



#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.03 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

Tgt Ion: 152 Resp: 3200
Ion Ratio Lower Upper
152 100
151 18.1 15.0 22.4





#12

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.10 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

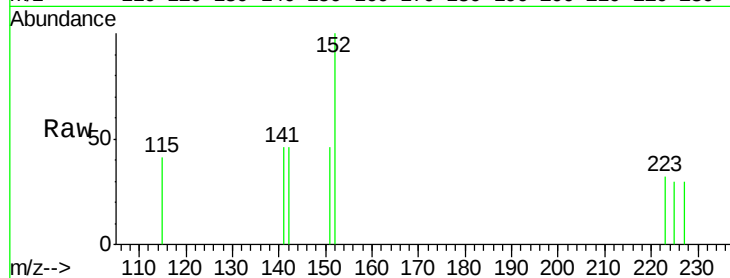
Tgt Ion:142 Resp: 56

Ion Ratio Lower Upper

142 100

141 100.0 71.5 107.3

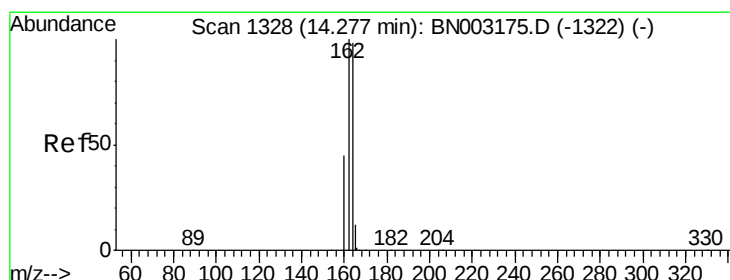
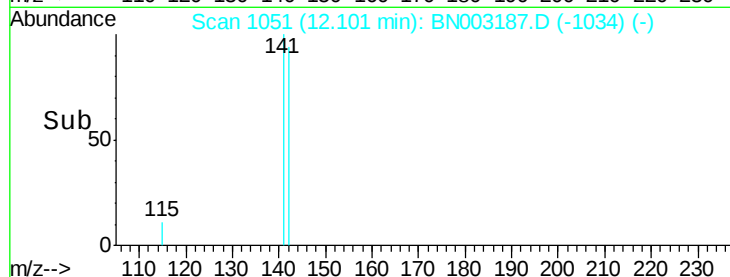
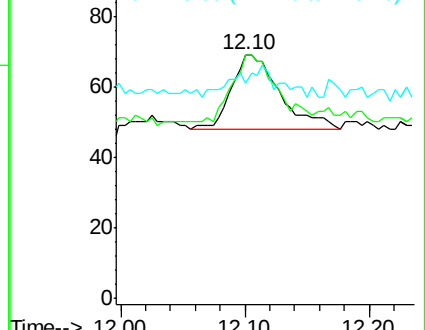
115 88.4 28.1 42.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

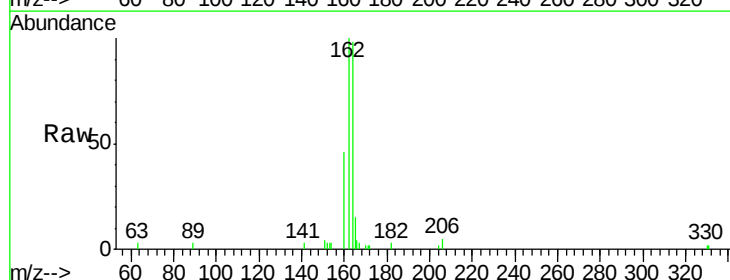
Tgt Ion:164 Resp: 3501

Ion Ratio Lower Upper

164 100

162 101.6 81.7 122.5

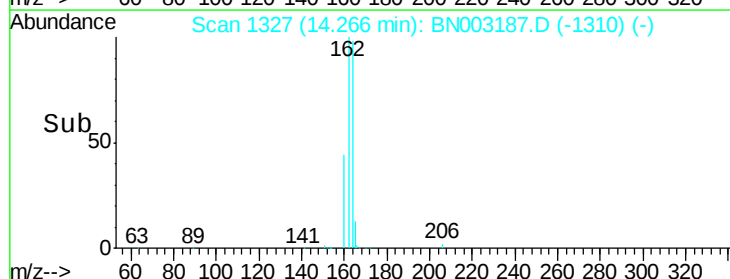
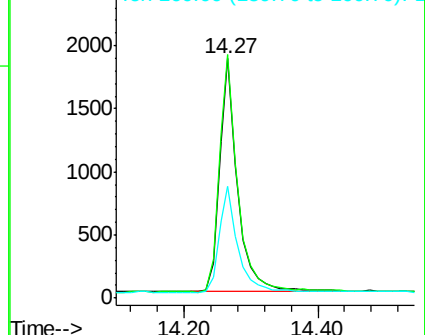
160 46.5 36.3 54.5

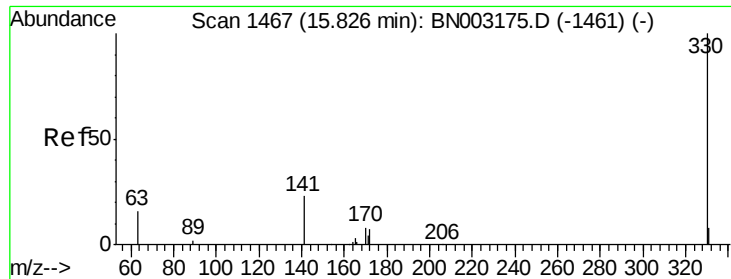


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

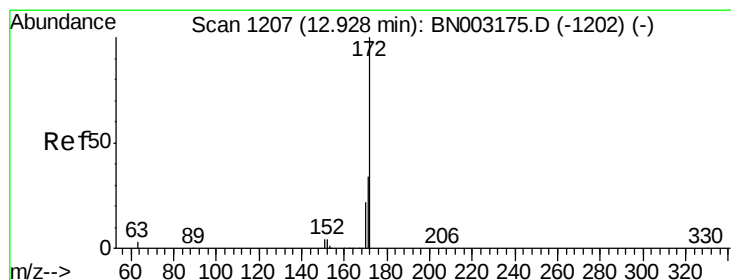
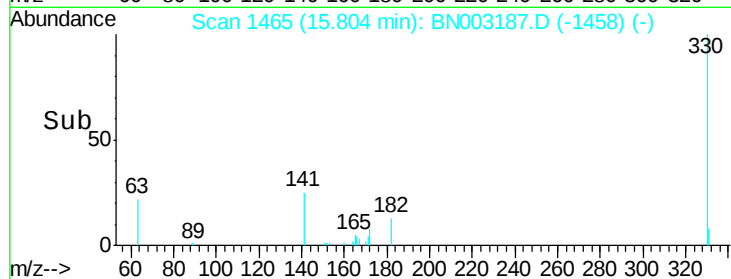
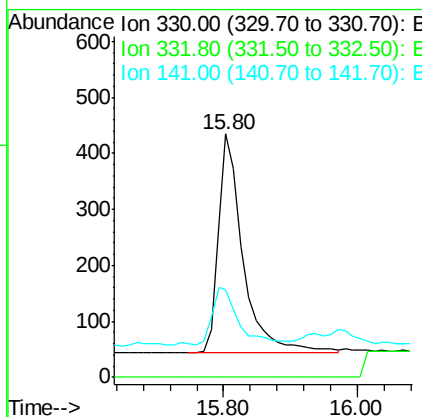
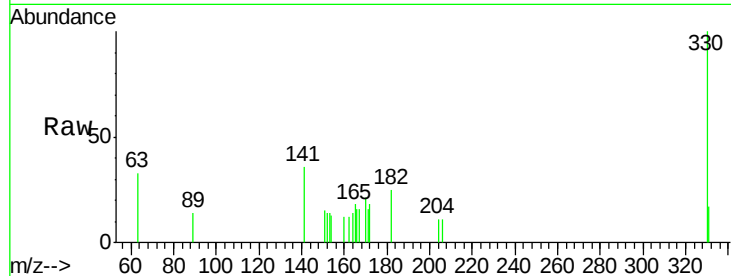




#14
 2,4,6-Tribromophenol
 Concen: 0.445 ng
 RT: 15.80 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

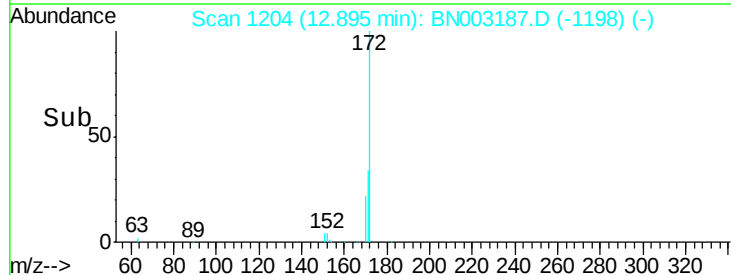
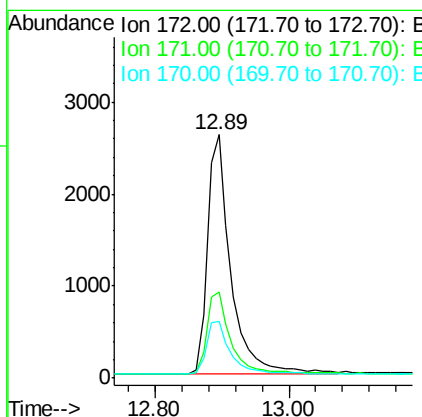
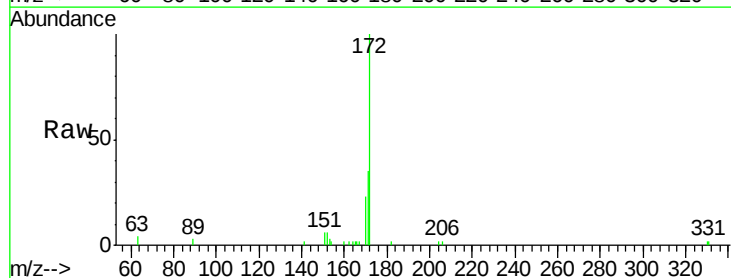
Instrument :
 BNA_N
 ClientSampleId :
 TW-3

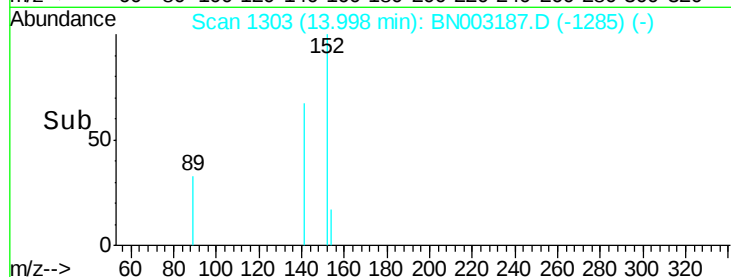
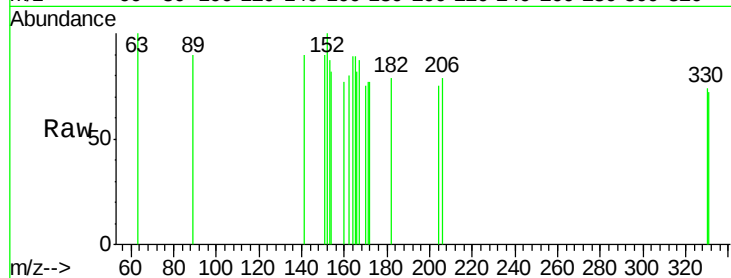
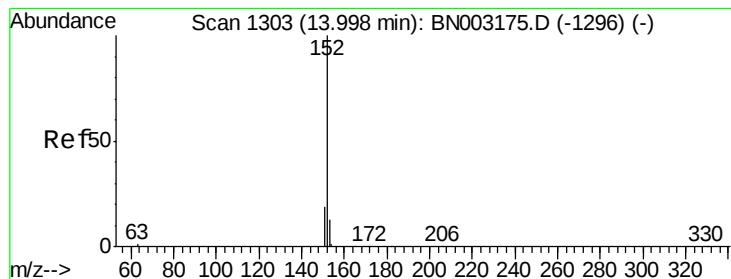
Tgt Ion: 330 Resp: 992
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 29.1 22.6 33.8



#15
 2-Fluorobiphenyl
 Concen: 0.460 ng
 RT: 12.89 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

Tgt Ion: 172 Resp: 6340
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.1 18.6 27.8





#16

Acenaphthylene

Concen: 0.001 ng

RT: 14.00 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

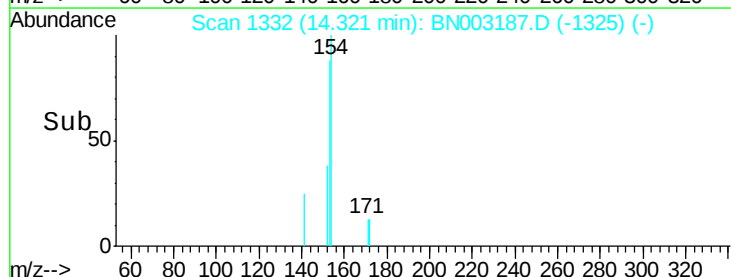
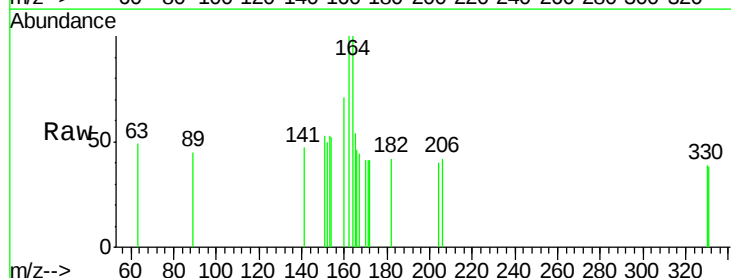
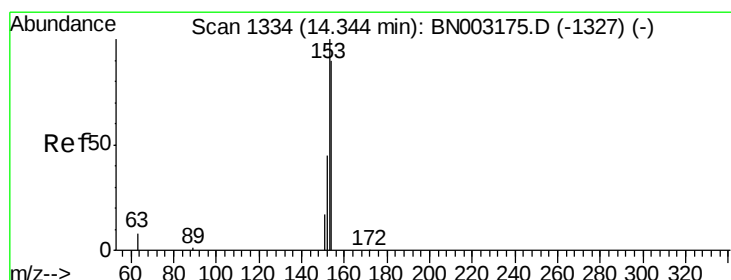
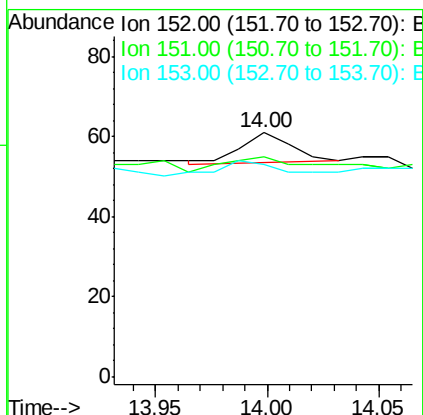
Tgt Ion:152 Resp: 12

Ion Ratio Lower Upper

152 100

151 83.3 15.7 23.5#

153 58.3 10.6 16.0#



#17

Acenaphthene

Concen: 0.002 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

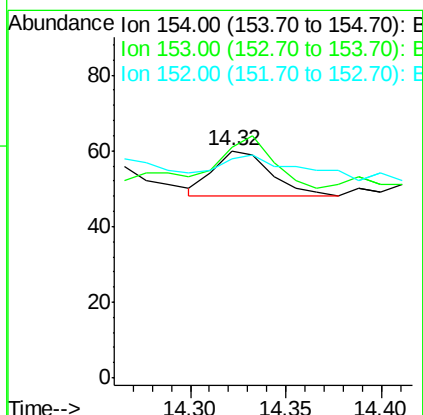
Tgt Ion:154 Resp: 25

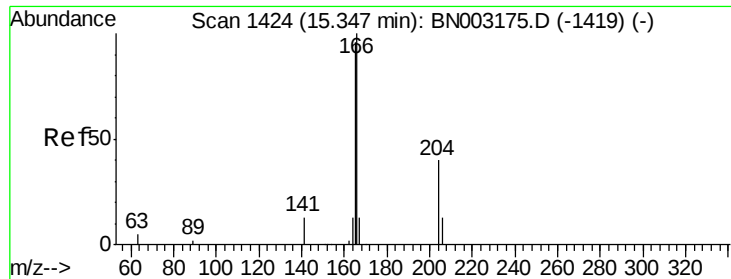
Ion Ratio Lower Upper

154 100

153 132.0 91.0 136.4

152 84.0 43.8 65.6#





#18

Fluorene

Concen: 0.006 ng

RT: 15.35 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

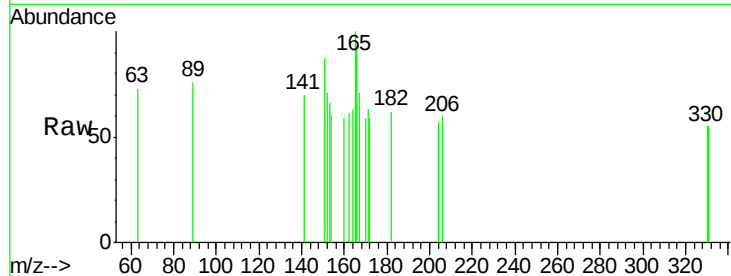
Tgt Ion:166 Resp: 81

Ion Ratio Lower Upper

166 100

165 0.0 78.2 117.2#

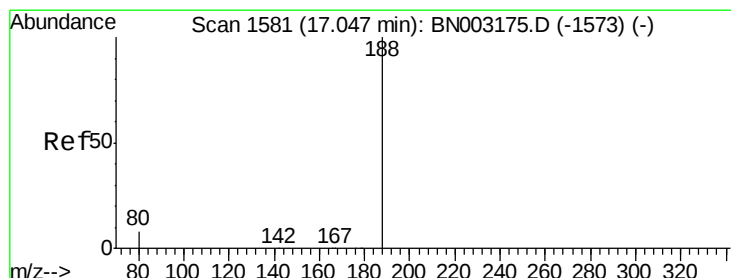
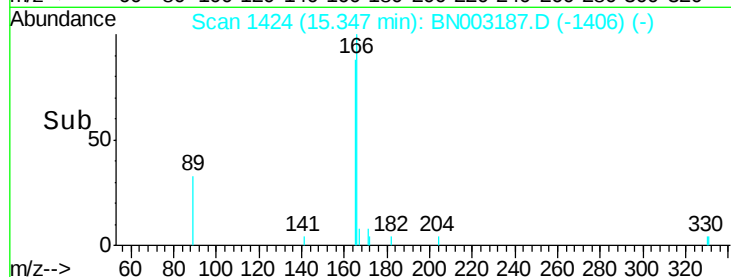
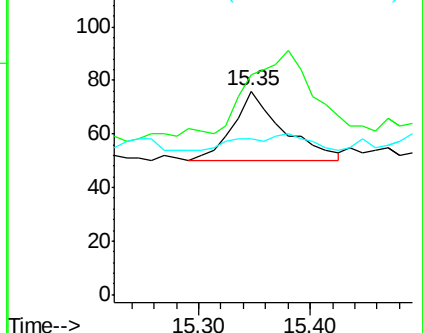
167 0.0 10.7 16.1#



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: 17.04 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

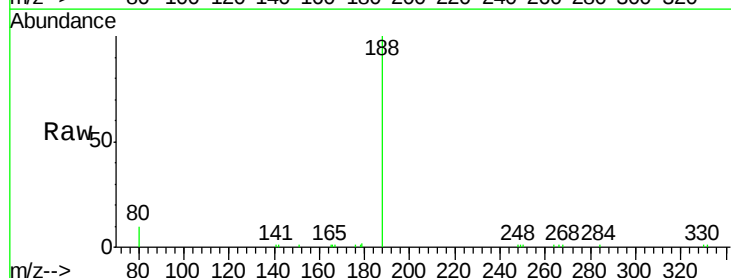
Tgt Ion:188 Resp: 9312

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

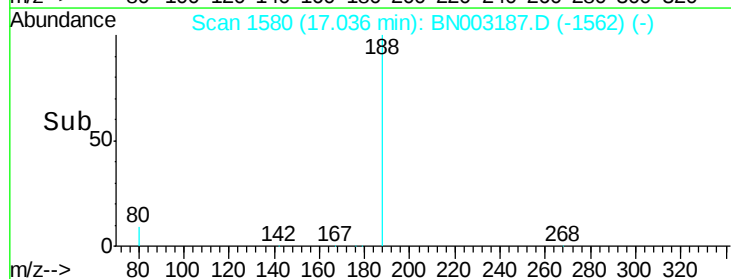
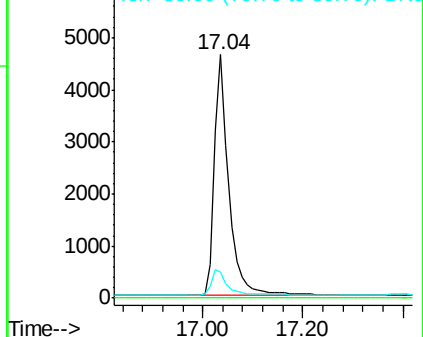
80 10.5 6.7 10.1#

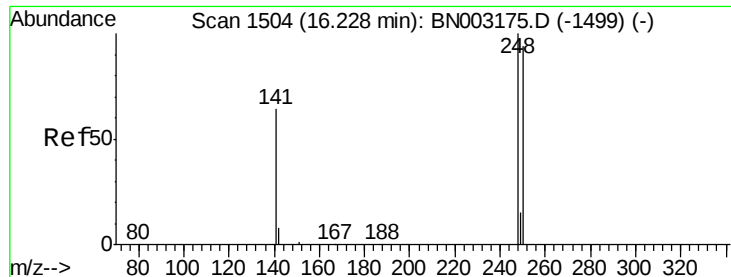


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

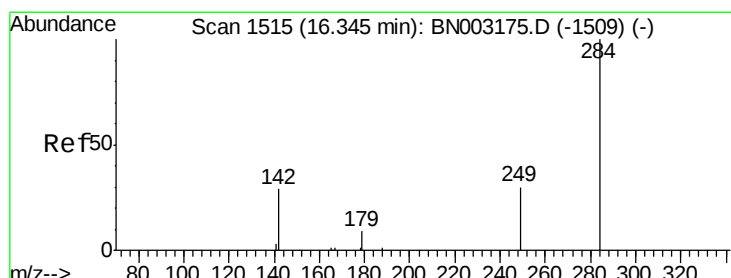
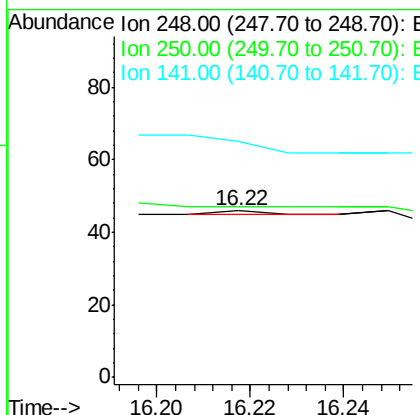
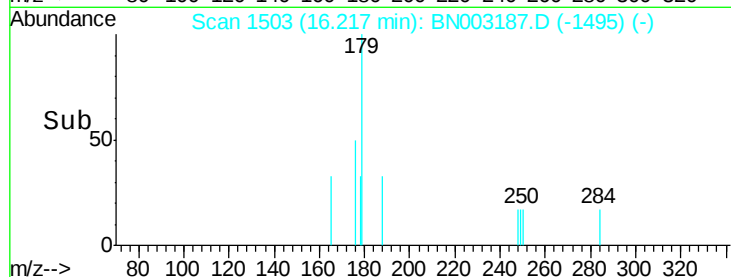
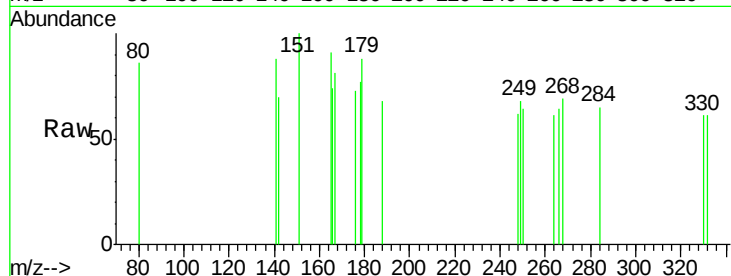




#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.22 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

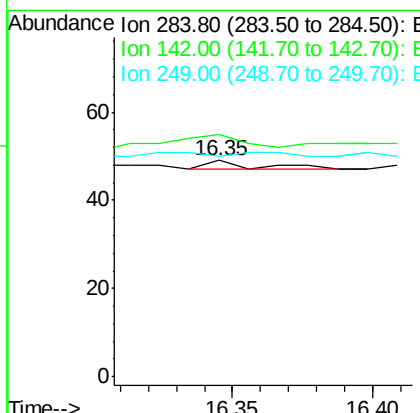
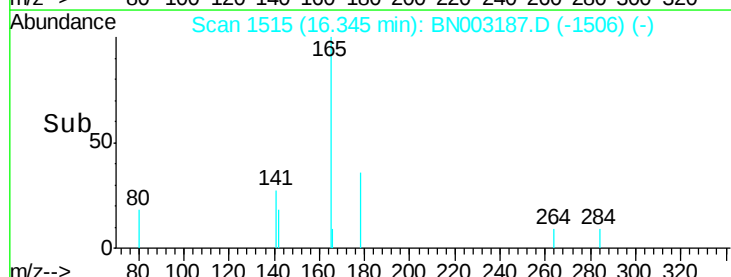
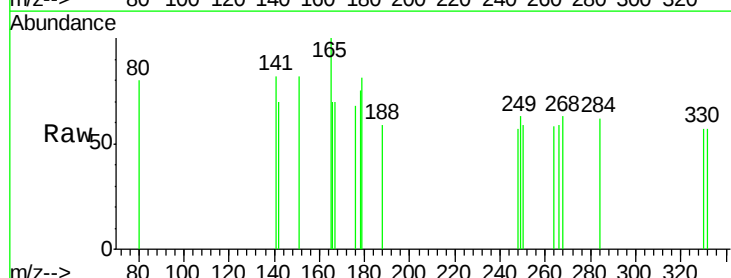
Instrument :
BNA_N
ClientSampled :
TW-3

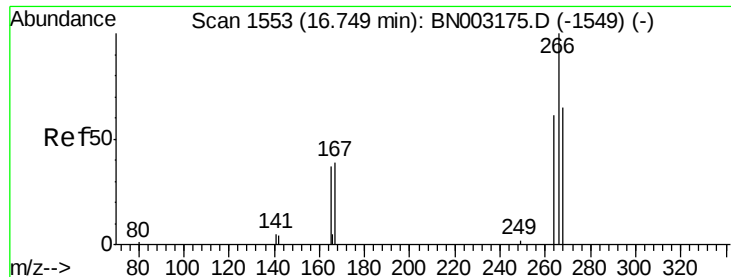
Tgt Ion:248 Resp: 1
Ion Ratio Lower Upper
248 100
250 102.2 78.9 118.3
141 141.3 48.5 72.7#



#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.35 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

Tgt Ion:284 Resp: 3
Ion Ratio Lower Upper
284 100
142 133.3 24.6 37.0#
249 0.0 22.3 33.5#

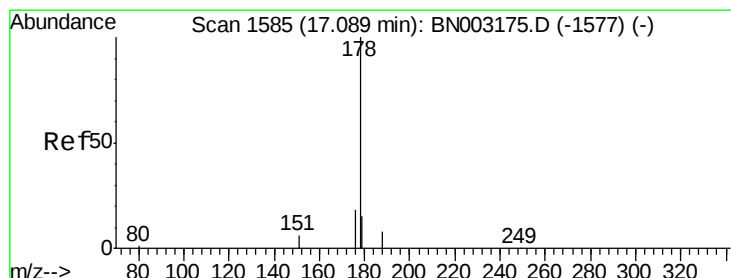
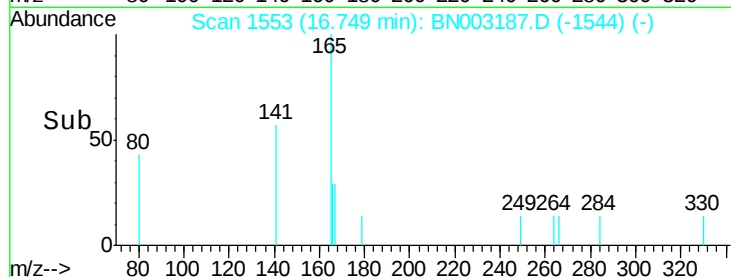
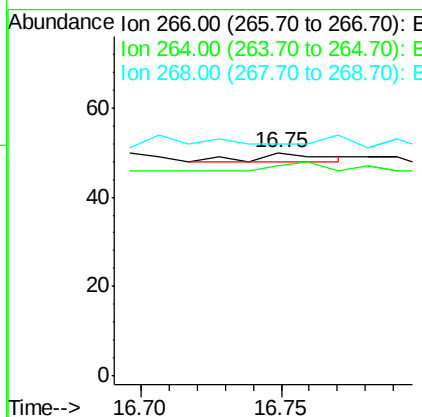
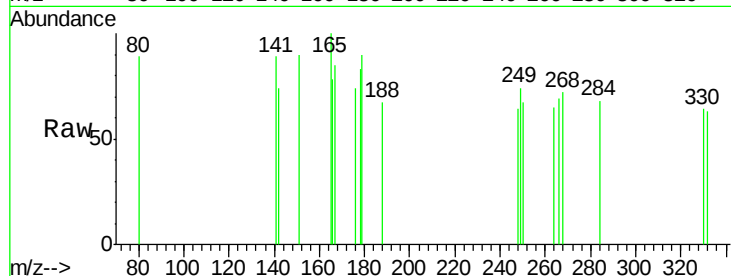




#22
 Pentachlorophenol
 Concen: 0.085 ng
 RT: 16.75 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

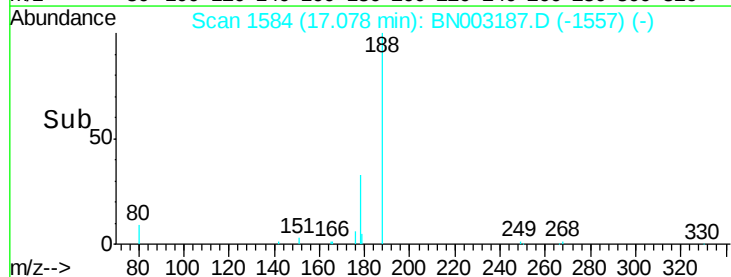
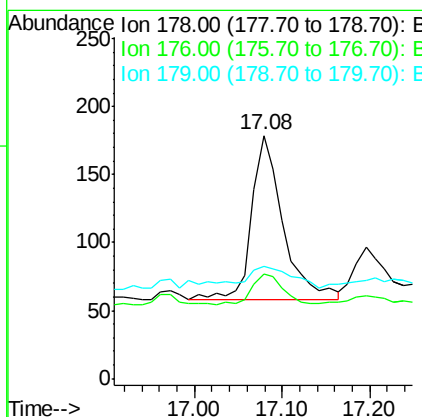
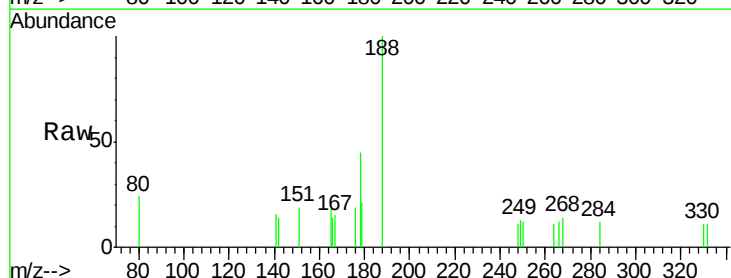
Instrument :
 BNA_N
 ClientSampleId :
 TW-3

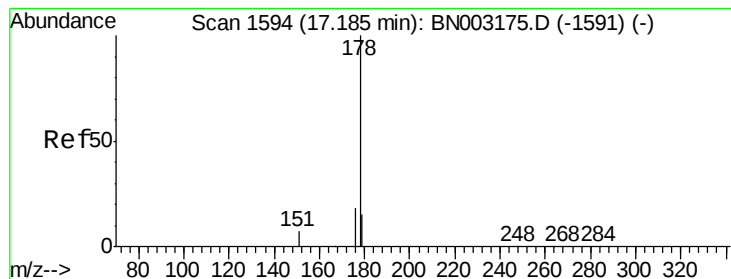
Tgt Ion: 266 Resp: 3
 Ion Ratio Lower Upper
 266 100
 264 94.0 55.0 82.4#
 268 104.0 60.6 91.0#



#23
 Phenanthrene
 Concen: 0.012 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

Tgt Ion: 178 Resp: 303
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 16.5 12.3 18.5





#24

Anthracene

Concen: 0.003 ng

RT: 17.20 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

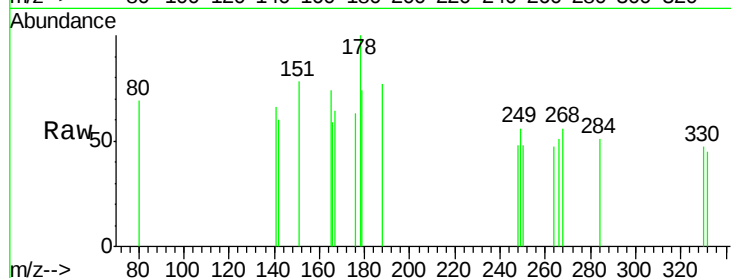
Tgt Ion:178 Resp: 70

Ion Ratio Lower Upper

178 100

176 25.7 14.6 22.0#

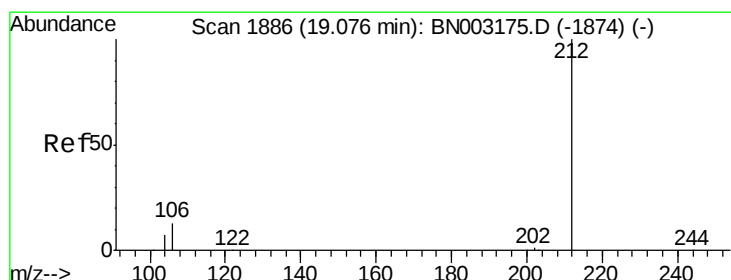
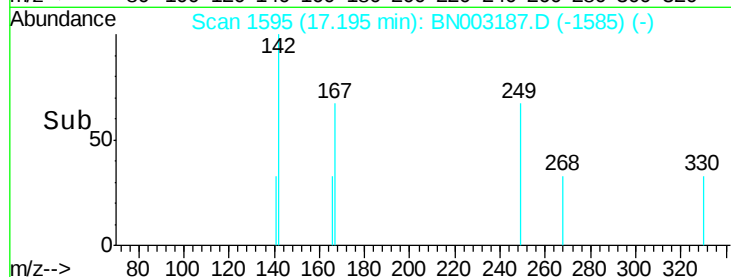
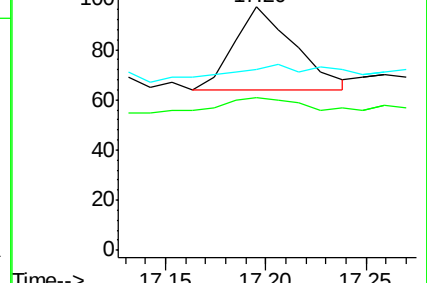
179 37.1 12.3 18.5#



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: 0.408 ng

RT: 19.07 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

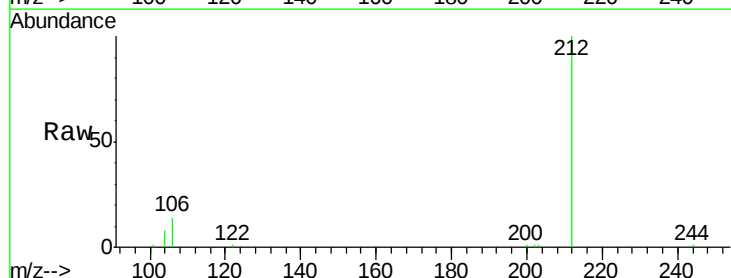
Tgt Ion:212 Resp: 11780

Ion Ratio Lower Upper

212 100

106 13.4 10.2 15.4

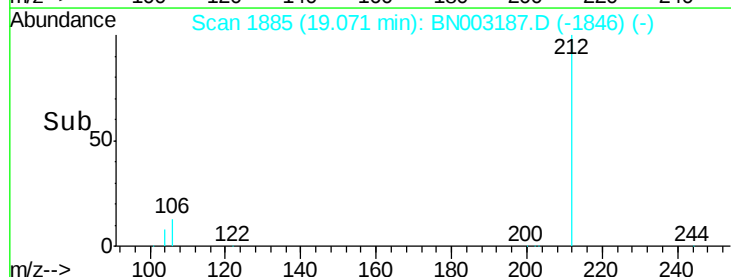
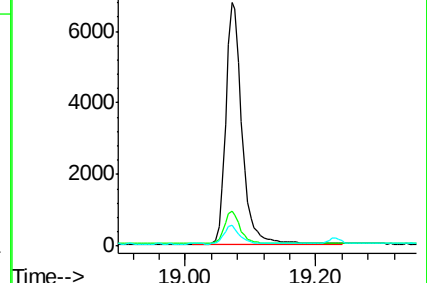
104 7.2 5.8 8.6

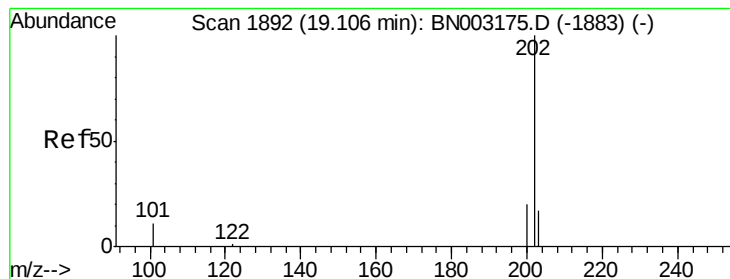


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.005 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

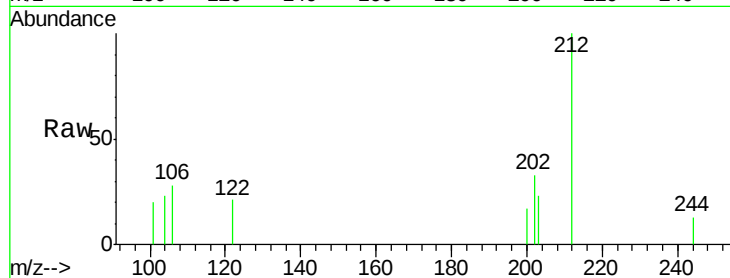
Tgt Ion:202 Resp: 141

Ion Ratio Lower Upper

202 100

101 0.0 8.6 12.8#

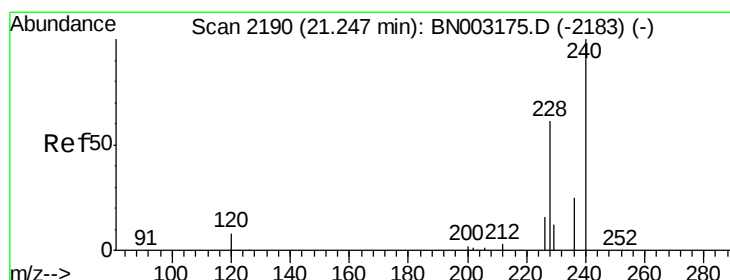
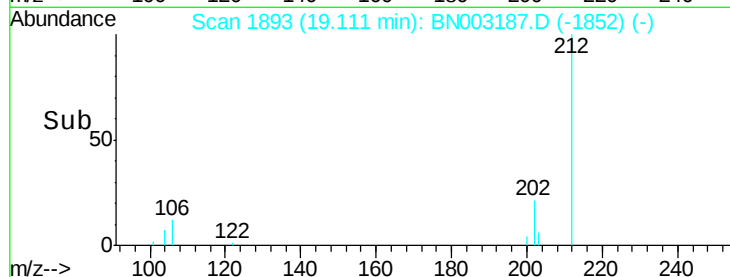
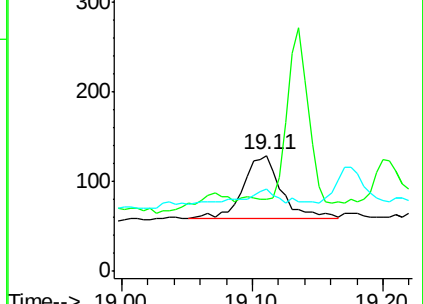
203 17.7 13.7 20.5



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: 21.24 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

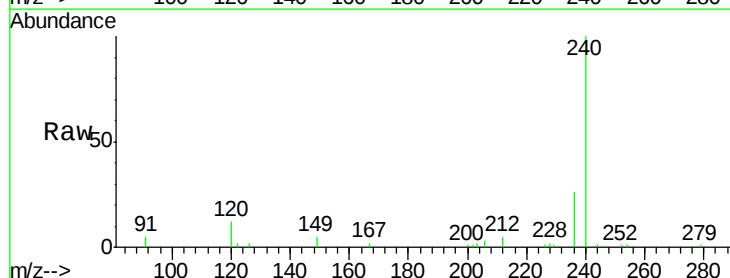
Tgt Ion:240 Resp: 12067

Ion Ratio Lower Upper

240 100

120 12.2 7.8 11.8#

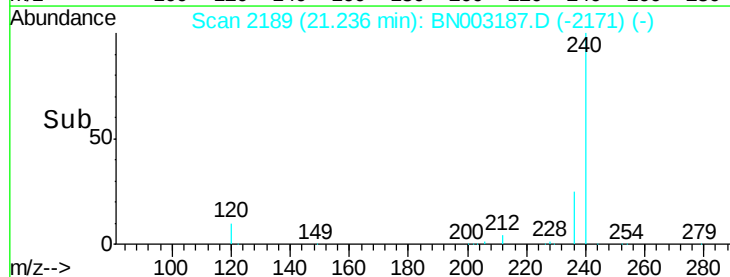
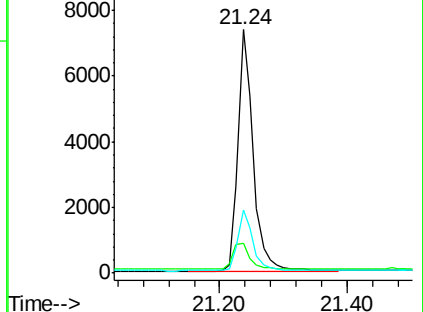
236 26.1 21.0 31.4

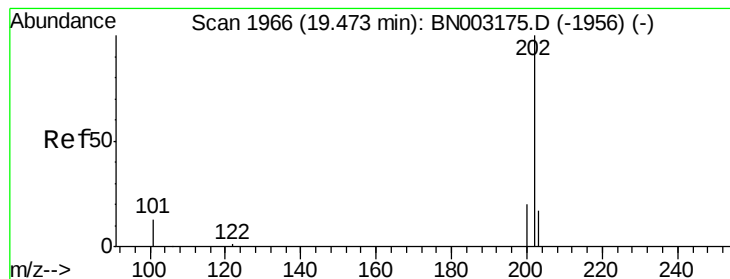


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.004 ng

RT: 19.48 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

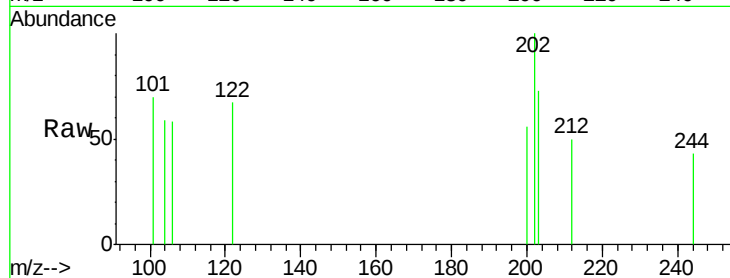
Tgt Ion:202 Resp: 135

Ion Ratio Lower Upper

202 100

200 23.0 16.3 24.5

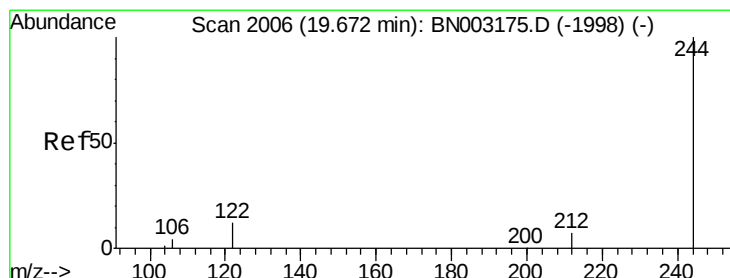
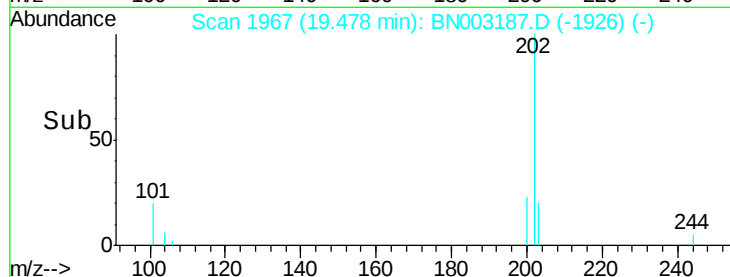
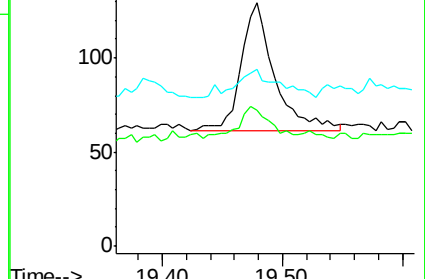
203 24.4 14.2 21.2#



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: 0.462 ng

RT: 19.66 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

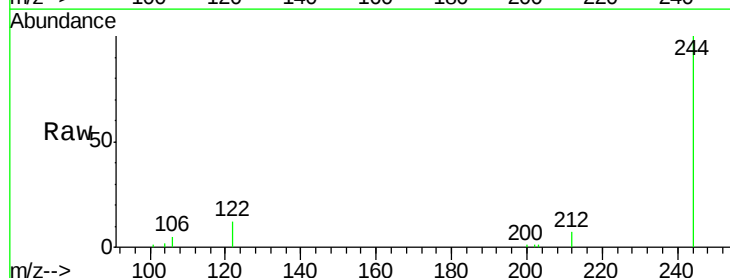
Tgt Ion:244 Resp: 12079

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

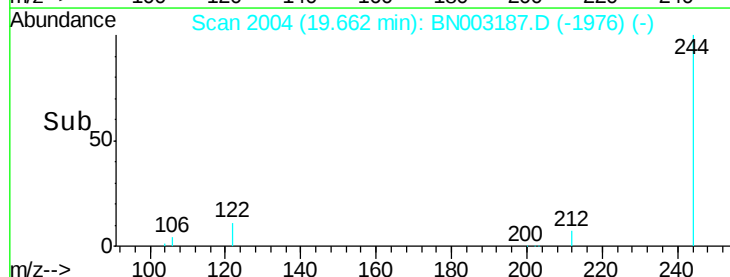
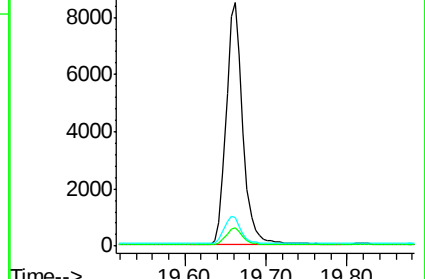
122 11.6 9.1 13.7

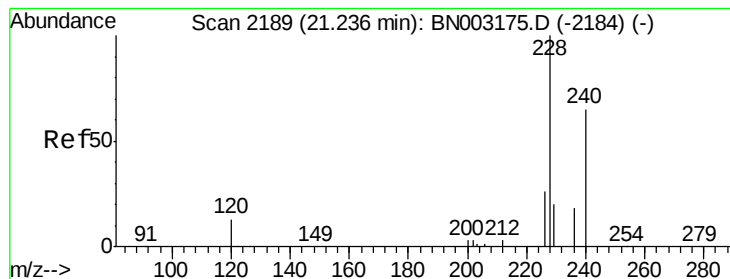


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 21.24 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

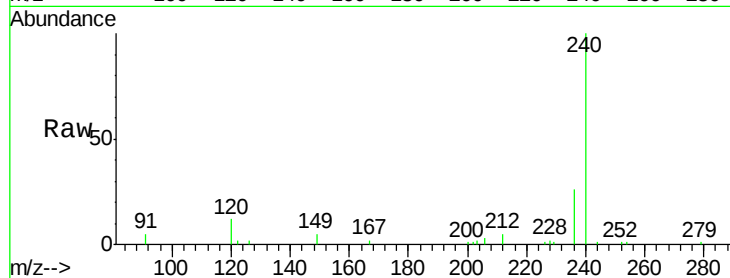
Tgt Ion:228 Resp: 125

Ion Ratio Lower Upper

228 100

226 62.9 21.4 32.2#

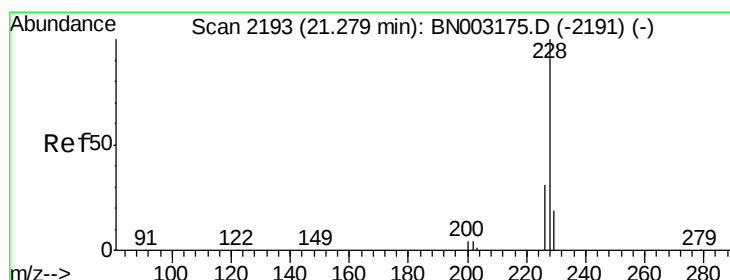
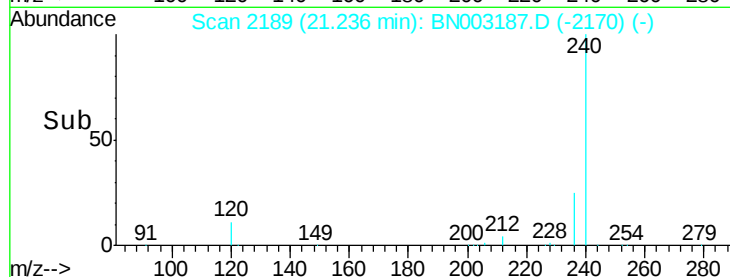
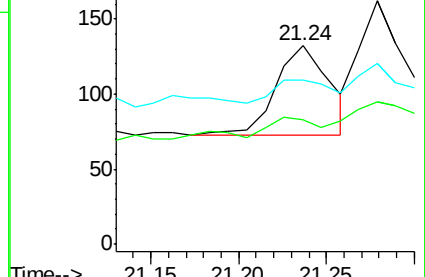
229 82.6 16.4 24.6#



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: 0.005 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

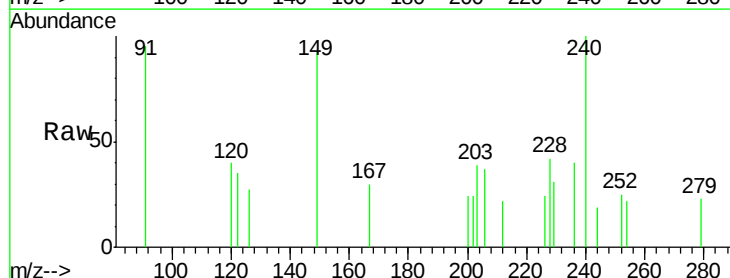
Tgt Ion:228 Resp: 169

Ion Ratio Lower Upper

228 100

226 58.6 23.1 34.7#

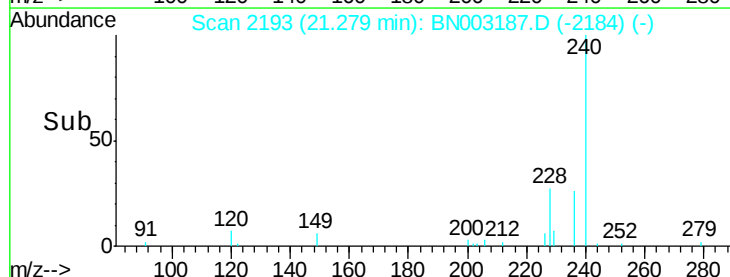
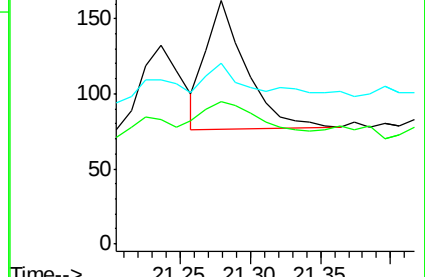
229 74.1 15.9 23.9#

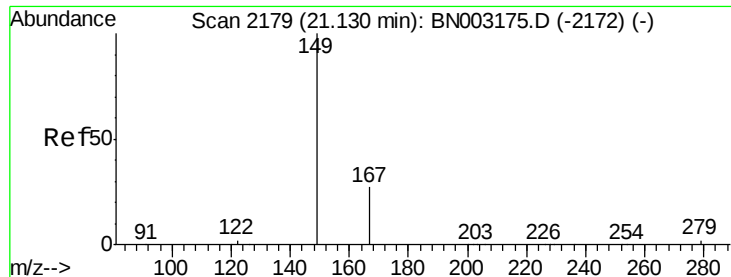


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

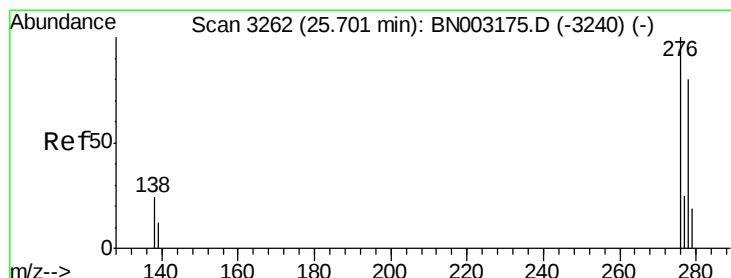
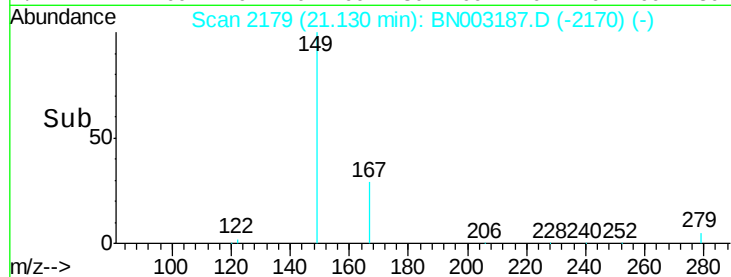
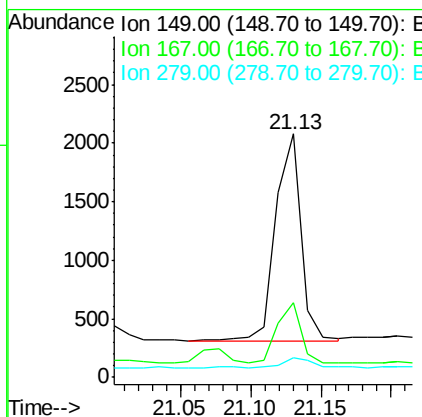
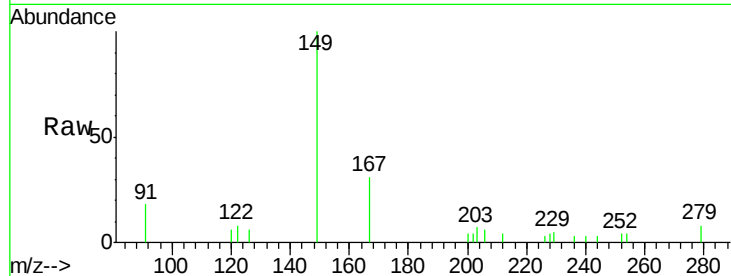




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.122 ng
 RT: 21.13 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

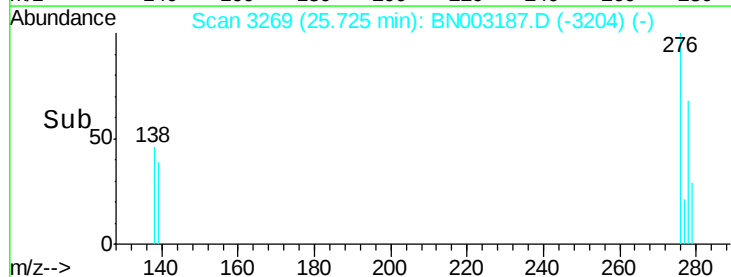
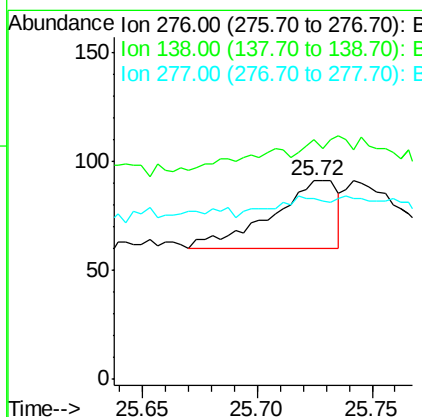
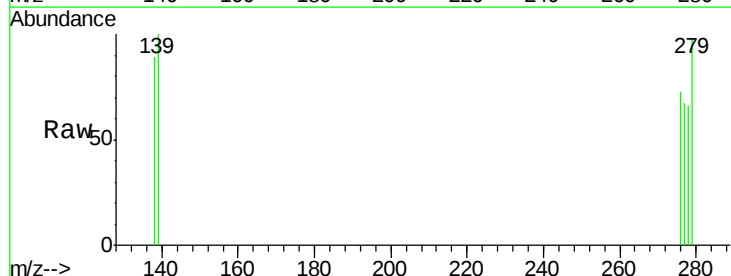
Instrument :
 BNA_N
 ClientSampled :
 TW-3

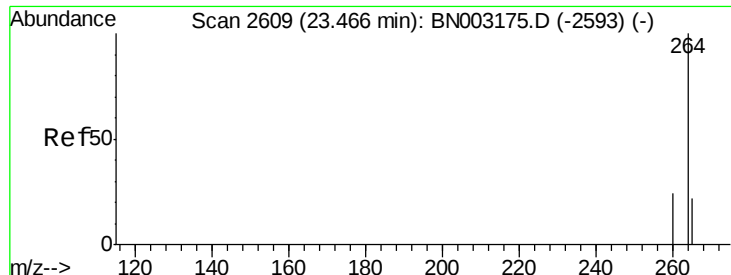
Tgt Ion:149 Resp: 2249
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.2 33.4
 279 5.0 3.7 5.5



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.001 ng
 RT: 25.72 min Scan# 3269
 Delta R.T. 0.02 min
 Lab File: BN003187.D
 Acq: 17 Oct 2018 19:28

Tgt Ion:276 Resp: 62
 Ion Ratio Lower Upper
 276 100
 138 29.0 18.2 27.4#
 277 24.2 20.2 30.4

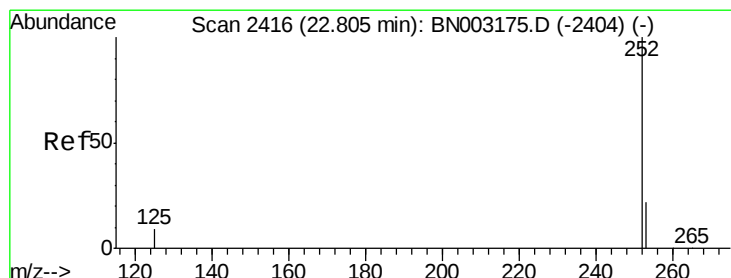
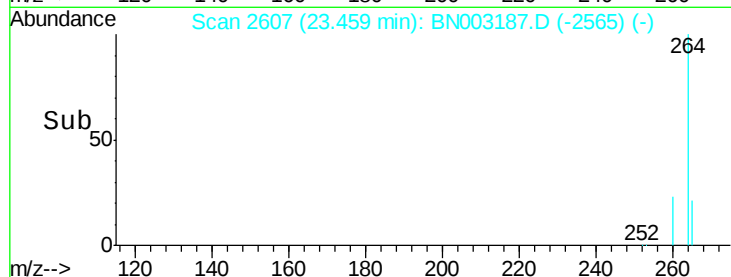
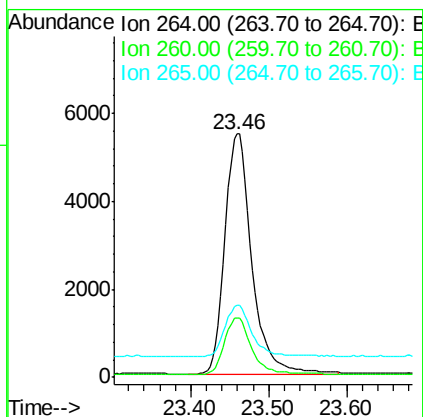
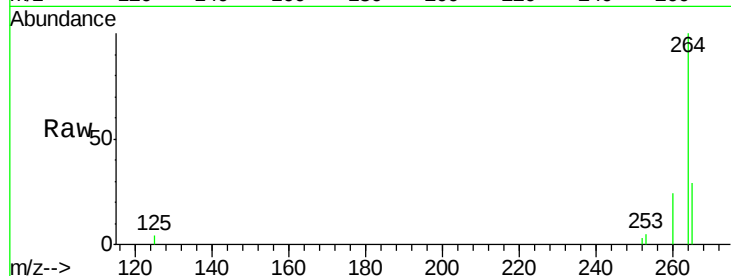




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

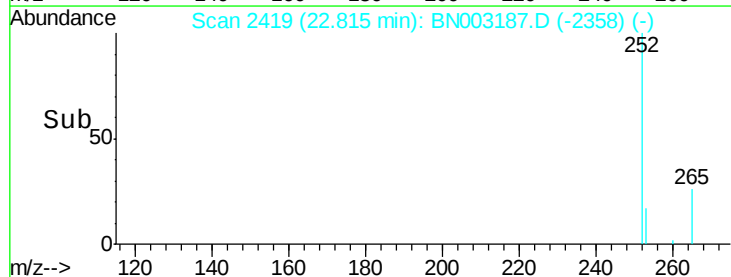
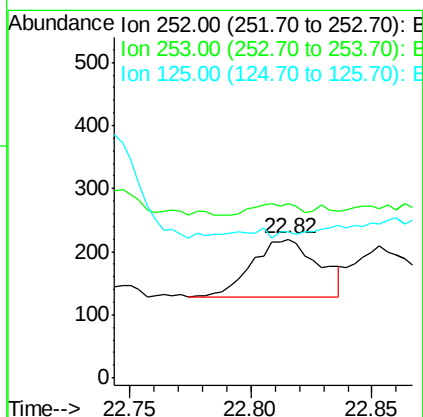
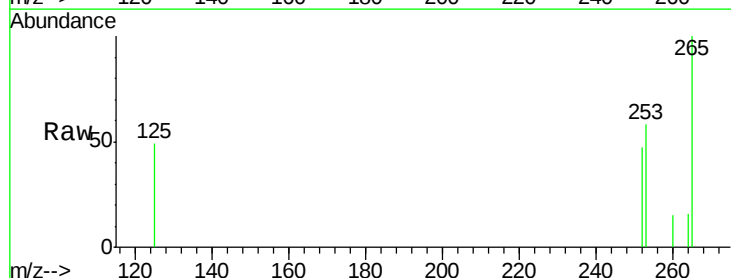
Instrument :
BNA_N
ClientSampleId :
TW-3

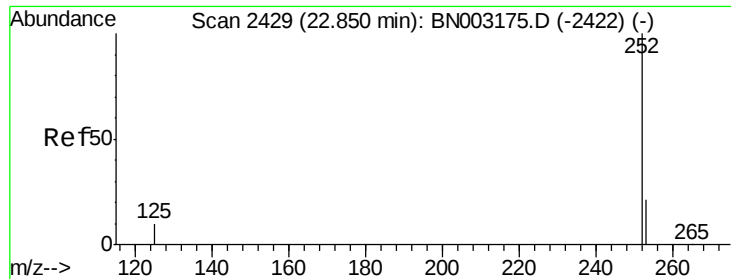
Tgt Ion: 264 Resp: 13131
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 29.4 27.6 41.4



#35
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 22.82 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BN003187.D
Acq: 17 Oct 2018 19:28

Tgt Ion: 252 Resp: 173
Ion Ratio Lower Upper
252 100
253 125.5 20.8 31.2#
125 105.0 9.6 14.4#





#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.85 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

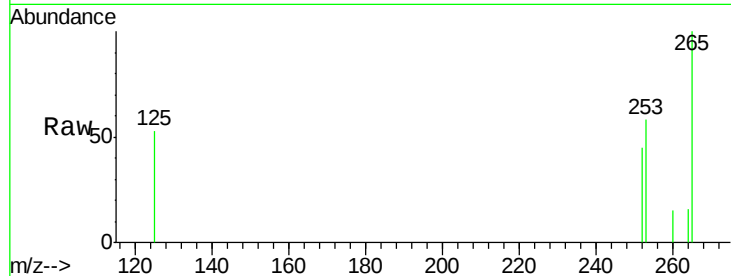
Tgt Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

253 128.1 20.5 30.7#

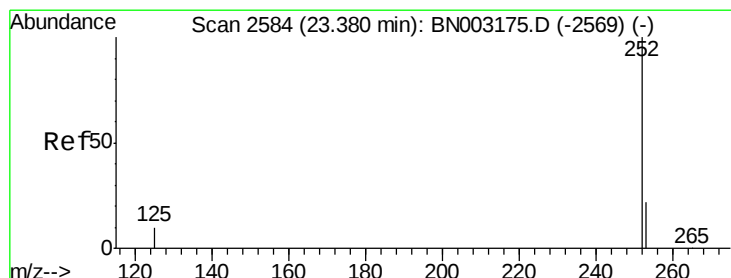
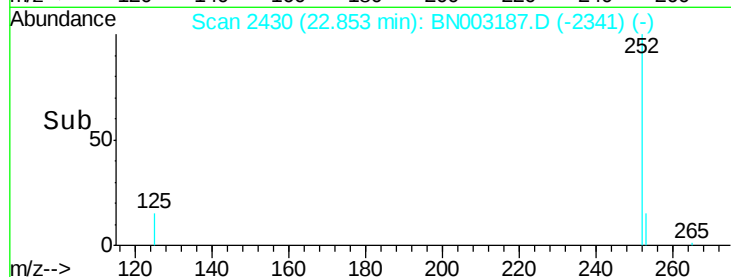
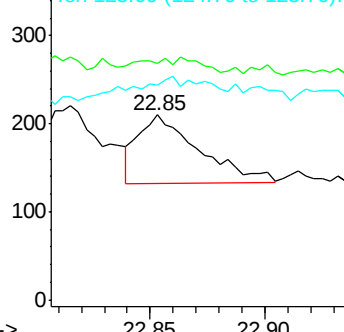
125 116.2 9.4 14.0#



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: 0.003 ng

RT: 23.38 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

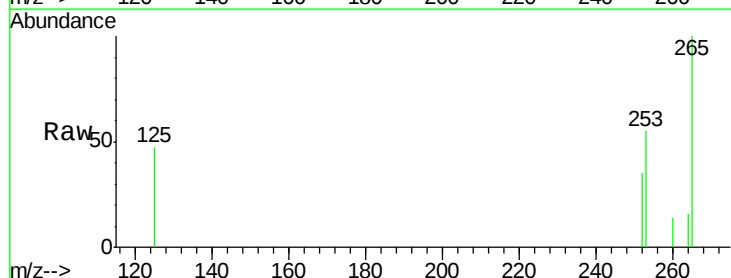
Tgt Ion:252 Resp: 99

Ion Ratio Lower Upper

252 100

253 157.0 22.4 33.6#

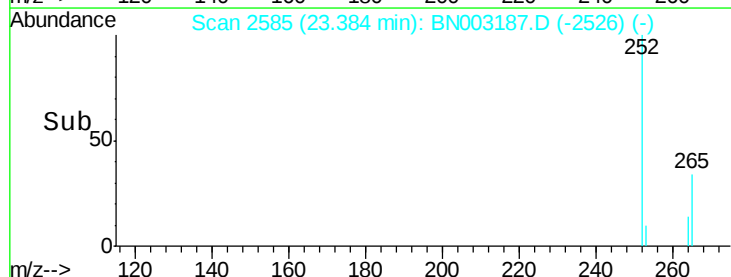
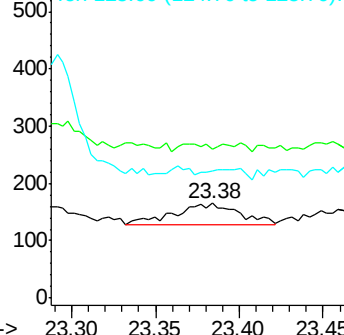
125 134.5 11.4 17.0#

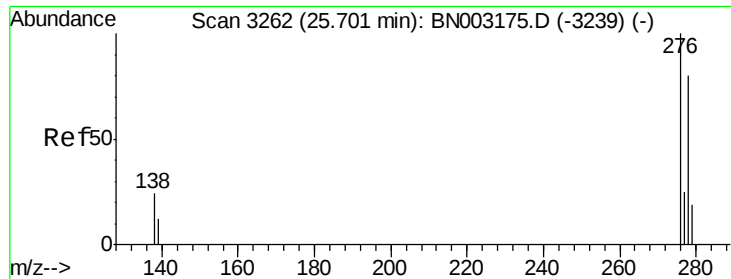


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 25.72 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Instrument :

BNA_N

ClientSampleId :

TW-3

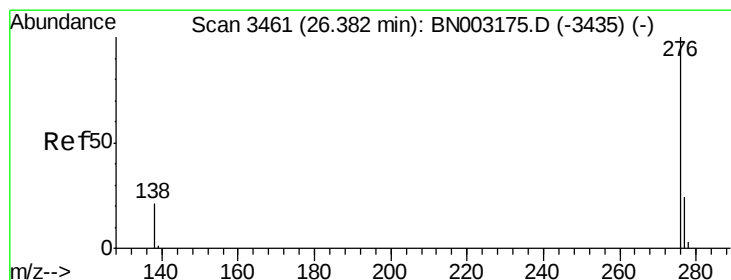
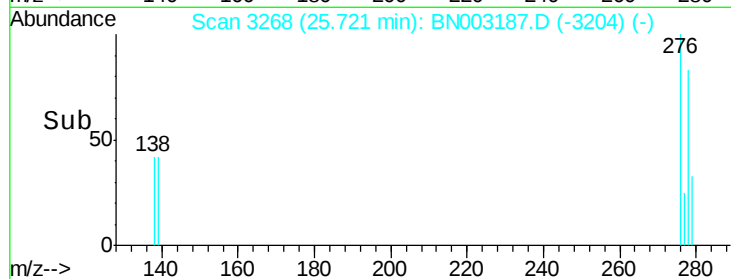
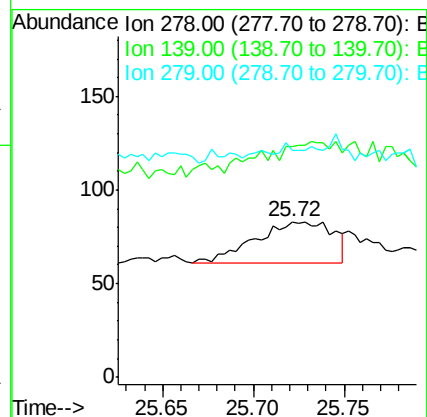
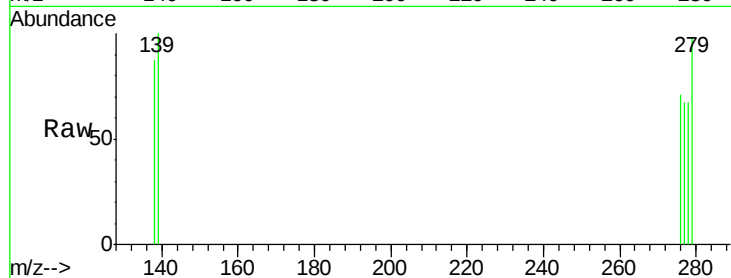
Tgt Ion:278 Resp: 66

Ion Ratio Lower Upper

278 100

139 148.2 14.6 21.8#

279 145.8 23.1 34.7#



#39

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 26.41 min Scan# 3468

Delta R.T. 0.02 min

Lab File: BN003187.D

Acq: 17 Oct 2018 19:28

Tgt Ion:276 Resp: 66

Ion Ratio Lower Upper

276 100

277 88.6 21.0 31.4#

138 119.3 18.1 27.1#

