

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101718\
 Data File : BN003188.D
 Acq On : 17 Oct 2018 20:03
 Operator : MJ/SJ
 Sample : J5302-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW-4

Quant Time: Oct 18 15:39:07 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	1035	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	4689	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	3393	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	9092	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	12066	0.40	ng	-0.01
34) Perylene-d12	23.45	264	13215	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	533	0.23	ng	0.00
5) Phenol-d6	6.93	99	357	0.11	ng	0.00
8) Nitrobenzene-d5	8.88	82	1238	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	12.03	152	3166	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	956	0.44	ng	-0.02
15) 2-Fluorobiphenyl	12.89	172	6284	0.47	ng	-0.03
25) Fluoranthene-d10	19.07	212	11569	0.41	ng	0.00
29) Terphenyl-d14	19.66	244	15842	0.61	ng	-0.02

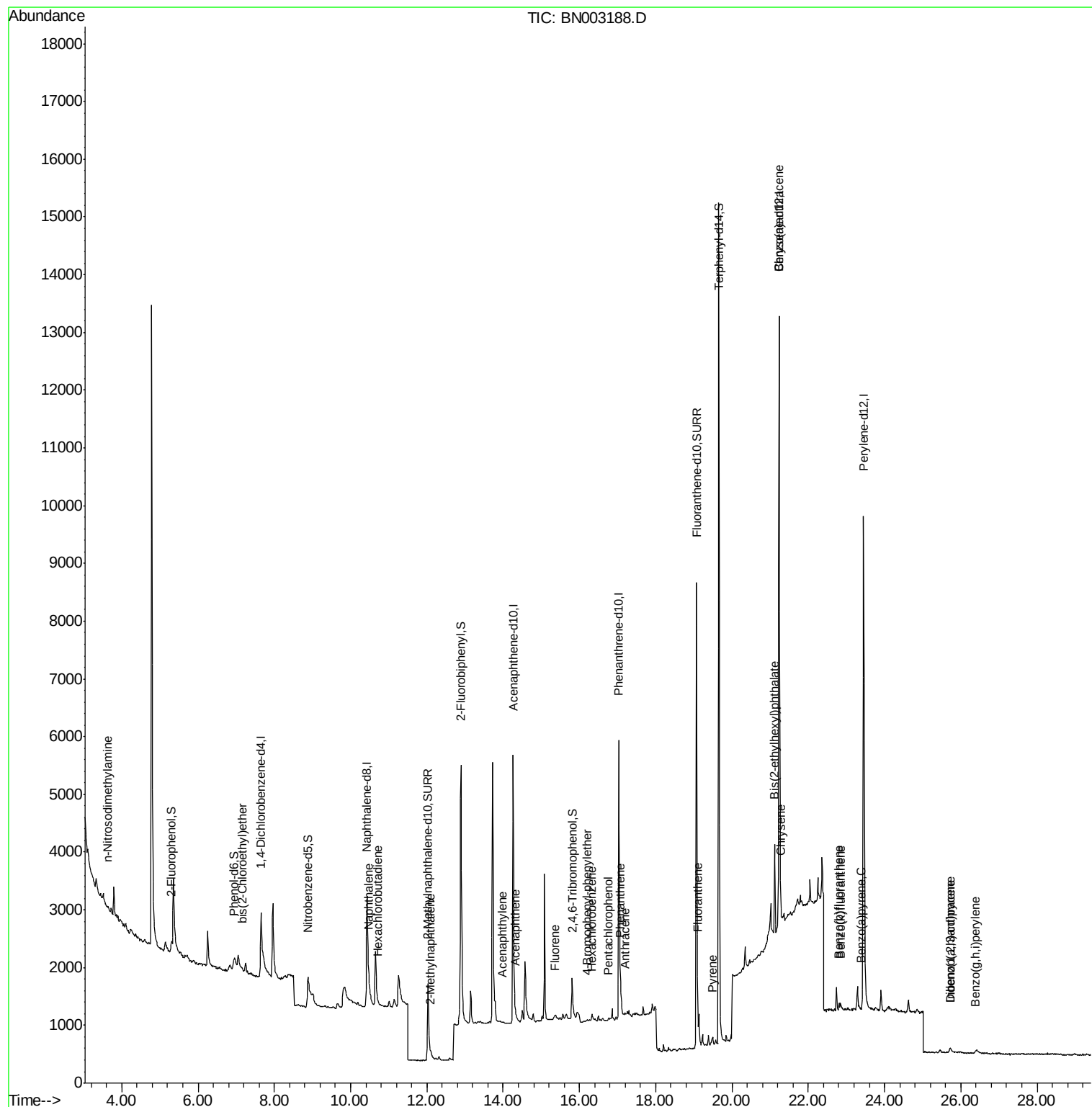
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.63	42	24	0.178	ng	# 21
6) bis(2-Chloroethyl)ether	7.15	93	10	0.004	ng	# 48
9) Naphthalene	10.48	128	388	0.033	ng	# 34
10) Hexachlorobutadiene	10.72	225	1	0.000	ng	# 18
12) 2-Methylnaphthalene	12.10	142	91	0.011	ng	# 75
16) Acenaphthylene	13.99	152	27	0.002	ng	# 72
17) Acenaphthene	14.32	154	25	0.002	ng	# 94
18) Fluorene	15.36	166	78	0.006	ng	# 12
20) 4-Bromophenyl-phenylether	16.21	248	1	0.000	ng	# 58
21) Hexachlorobenzene	16.32	284	1	0.000	ng	# 45
22) Pentachlorophenol	16.75	266	4	0.086	ng	# 65
23) Phenanthrene	17.08	178	381	0.016	ng	# 90
24) Anthracene	17.20	178	80	0.004	ng	# 75
26) Fluoranthene	19.11	202	118	0.004	ng	# 83
28) Pyrene	19.48	202	120	0.004	ng	# 90
30) Benzo(a)anthracene	21.24	228	115	0.004	ng	# 1
31) Chrysene	21.28	228	131	0.004	ng	# 4
32) Bis(2-ethylhexyl)phthalate	21.12	149	1578	0.089	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.72	276	107	0.002	ng	# 59
35) Benzo(b)fluoranthene	22.81	252	150	0.004	ng	# 1
36) Benzo(k)fluoranthene	22.85	252	143	0.003	ng	# 1
37) Benzo(a)pyrene	23.37	252	60	0.002	ng	# 1
38) Dibenzo(a,h)anthracene	25.72	278	87	0.002	ng	# 1
39) Benzo(g,h,i)perylene	26.39	276	38	0.001	ng	# 1

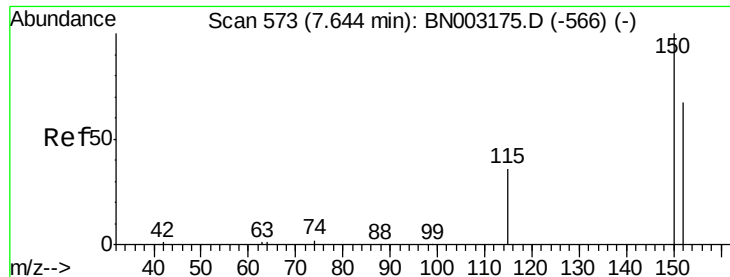
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

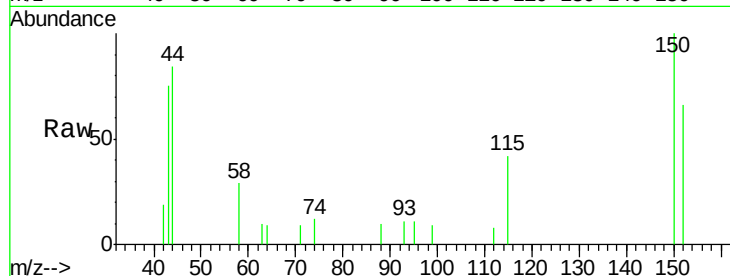
Tgt Ion:152 Resp: 1035

Ion Ratio Lower Upper

152 100

150 152.3 126.2 189.4

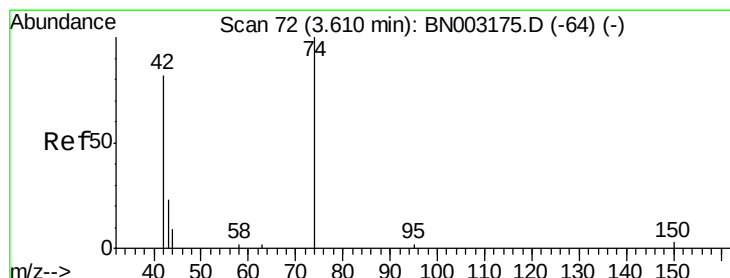
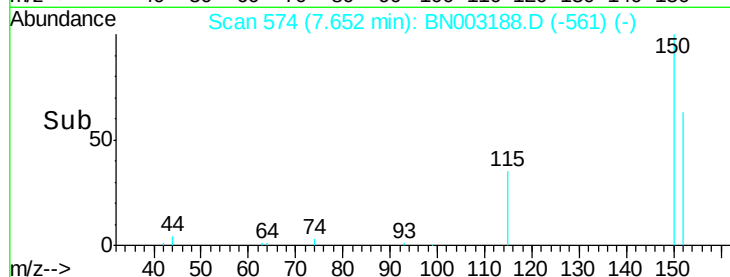
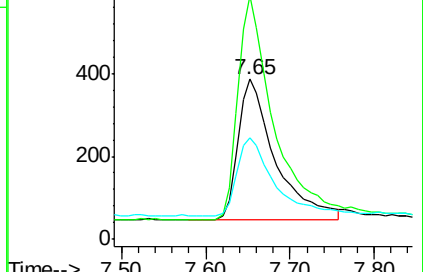
115 63.7 49.8 74.6



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



#3

n-Nitrosodimethylamine

Concen: 0.178 ng

RT: 3.63 min Scan# 75

Delta R.T. 0.02 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

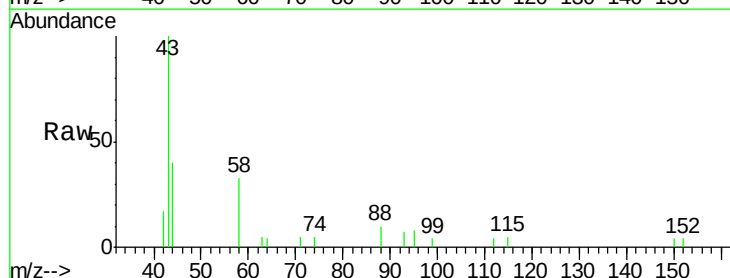
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 37.5 102.9 154.3#

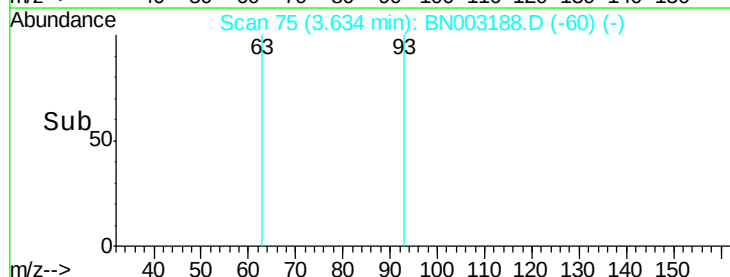
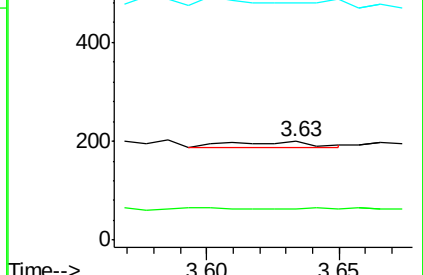
44 0.0 0.0 0.0

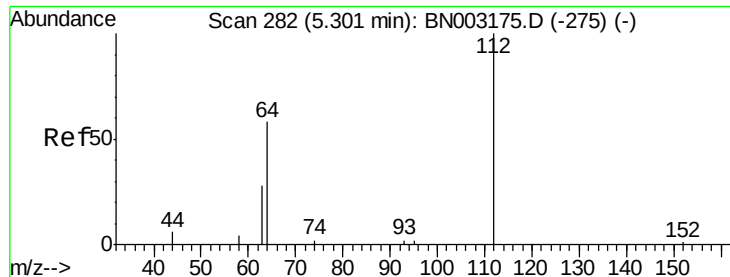


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.233 ng

RT: 5.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

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ClientSampleId :

TW-4

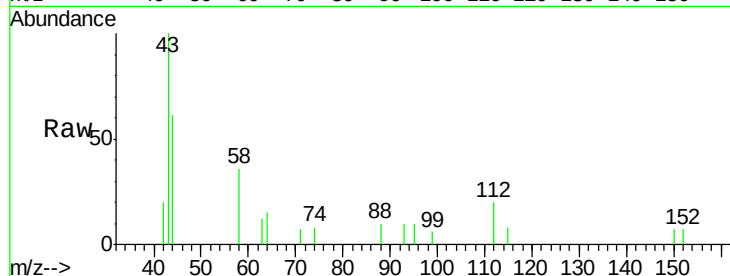
Tgt Ion: 112 Resp: 533

Ion Ratio Lower Upper

112 100

64 61.9 49.0 73.4

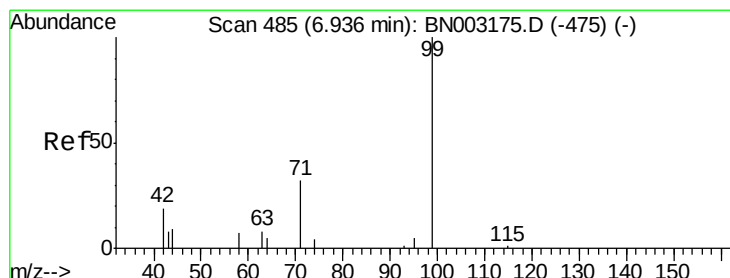
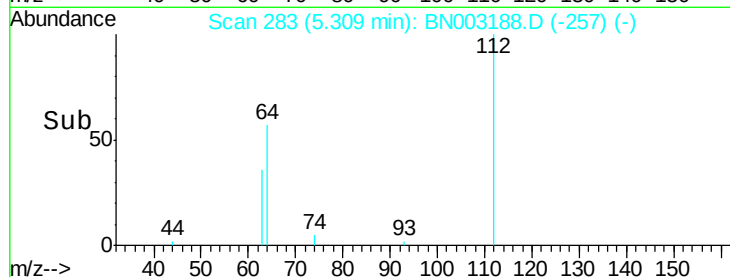
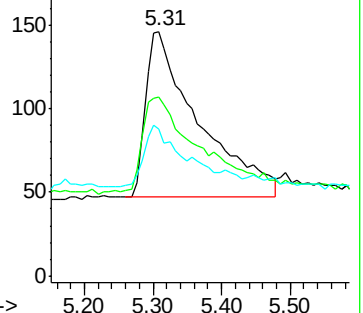
63 31.3 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.110 ng

RT: 6.93 min Scan# 484

Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

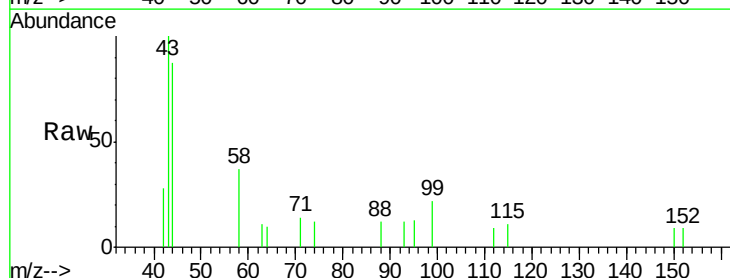
Tgt Ion: 99 Resp: 357

Ion Ratio Lower Upper

99 100

42 16.8 15.4 23.2

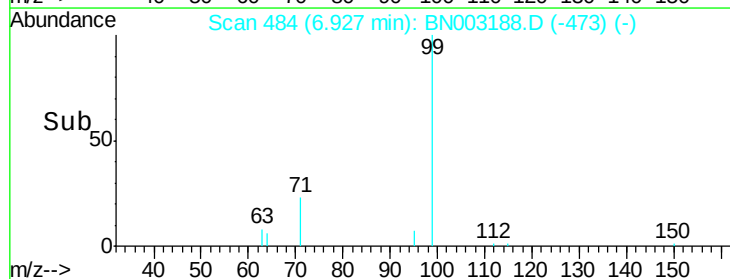
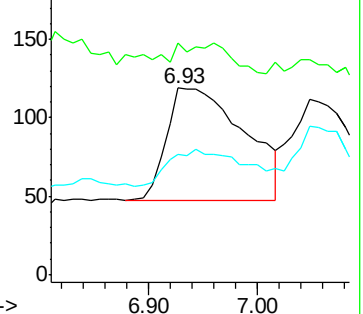
71 31.1 26.0 39.0

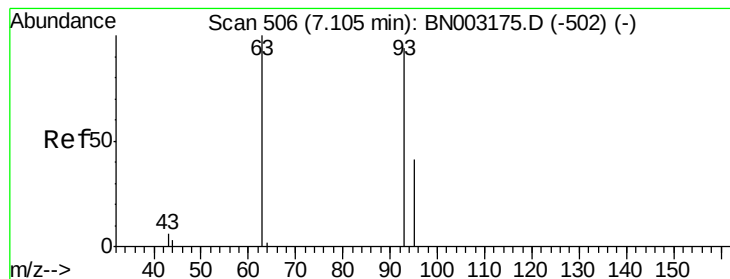


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#6

bis(2-Chloroethyl)ether

Concen: 0.004 ng

RT: 7.15 min Scan# 512

Delta R.T. 0.05 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

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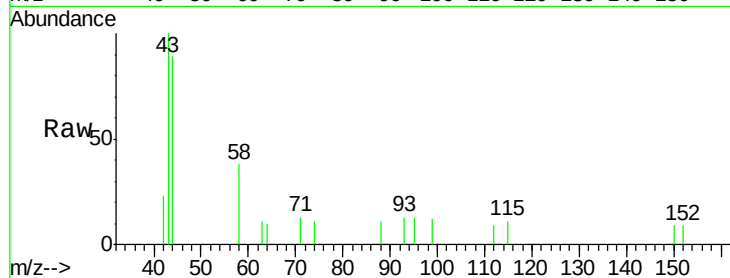
Tgt Ion: 93 Resp: 10

Ion Ratio Lower Upper

93 100

63 60.0 54.2 81.4

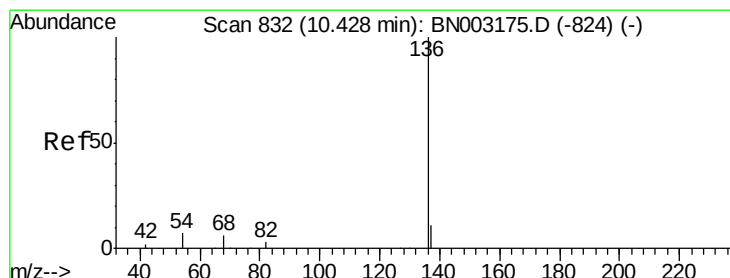
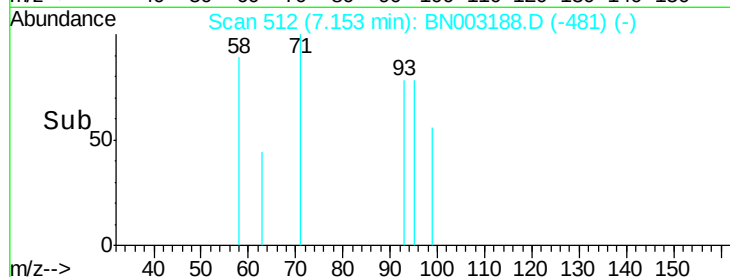
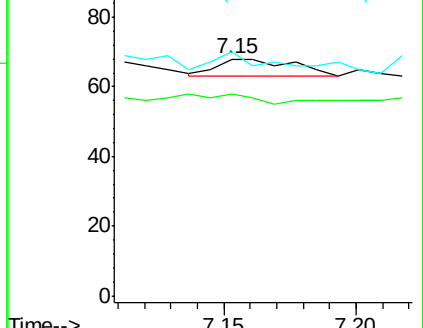
95 110.0 24.9 37.3#



Abundance Ion 93.00 (92.70 to 93.70): BN003175.D (-502) (-)

Ion 63.00 (62.70 to 63.70): BN003175.D (-502) (-)

Ion 95.00 (94.70 to 95.70): BN003175.D (-502) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 832

Delta R.T. -0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Tgt Ion: 136 Resp: 4689

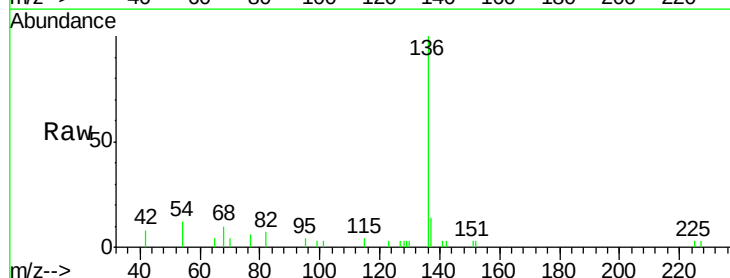
Ion Ratio Lower Upper

136 100

137 13.6 9.4 14.0

54 11.7 7.4 11.0#

68 9.6 5.8 8.6#

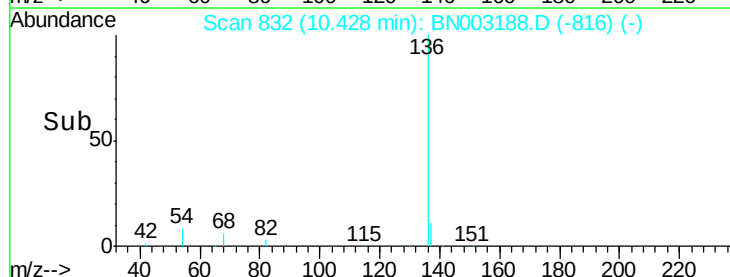
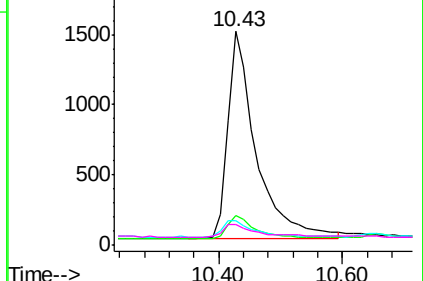


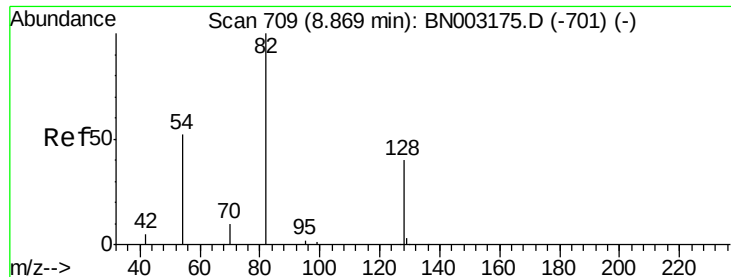
Abundance Ion 136.00 (135.70 to 136.70): BN003175.D (-824) (-)

Ion 137.00 (136.70 to 137.70): BN003175.D (-824) (-)

Ion 54.00 (53.70 to 54.70): BN003175.D (-824) (-)

Ion 68.00 (67.70 to 68.70): BN003175.D (-824) (-)





#8

Nitrobenzene-d5

Concen: 0.410 ng

RT: 8.88 min Scan# 710

Delta R.T. 0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

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TW-4

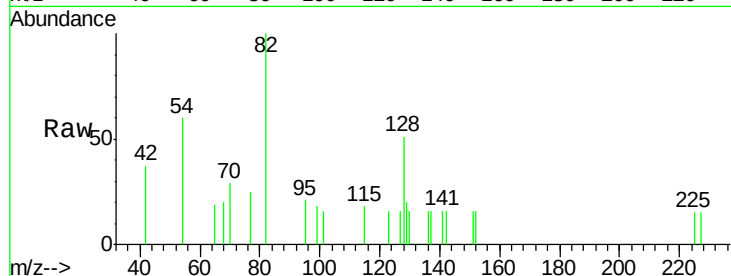
Tgt Ion: 82 Resp: 1238

Ion Ratio Lower Upper

82 100

128 51.0 38.2 57.4

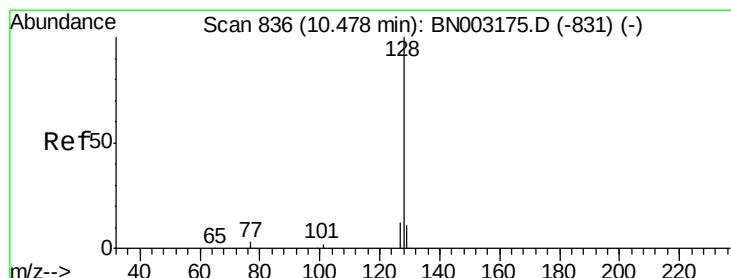
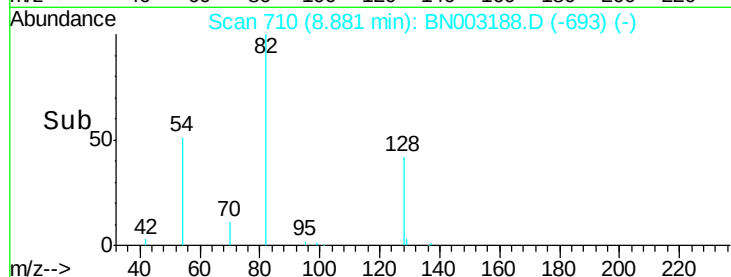
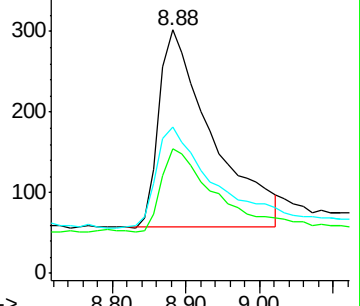
54 59.9 44.1 66.1



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



#9

Naphthalene

Concen: 0.033 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

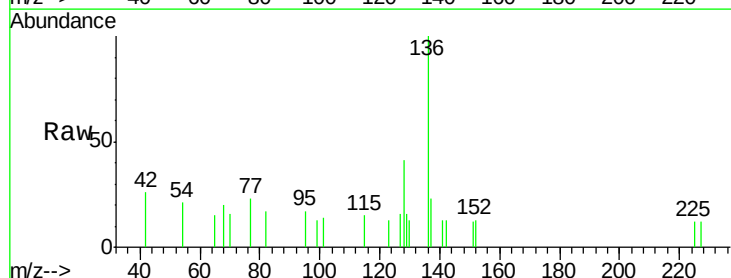
Tgt Ion: 128 Resp: 388

Ion Ratio Lower Upper

128 100

129 39.9 9.8 14.6#

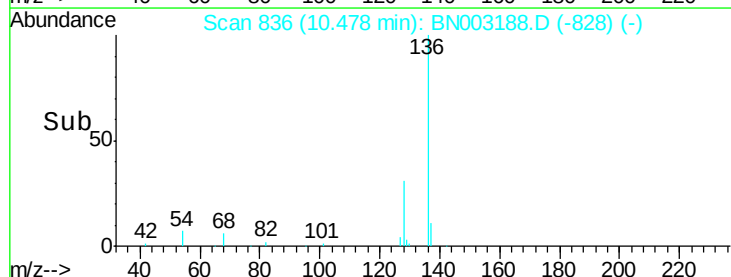
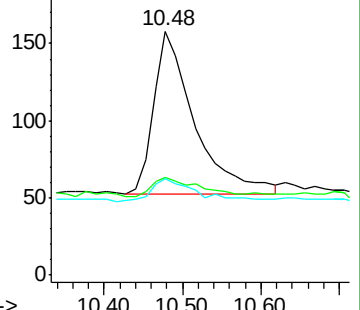
127 39.2 11.4 17.2#

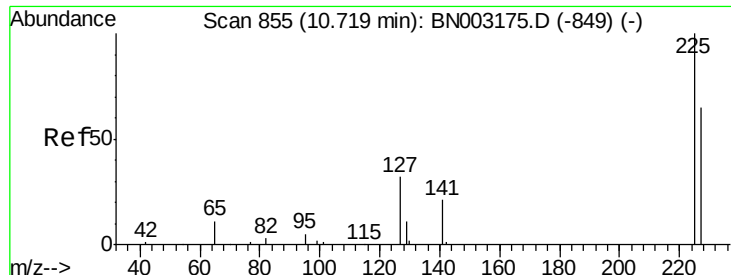


Abundance Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC

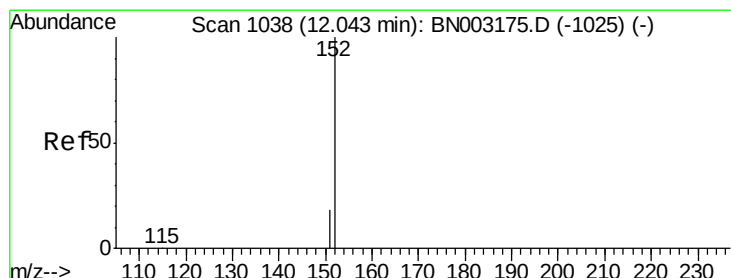
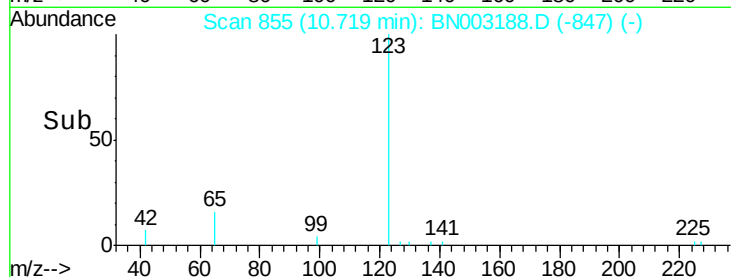
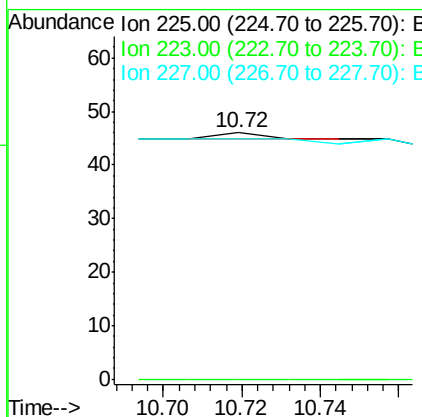
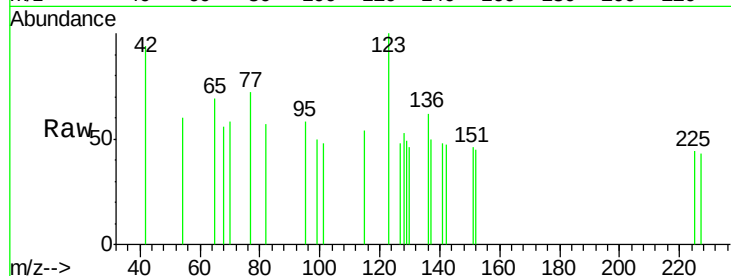




#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 10.72 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

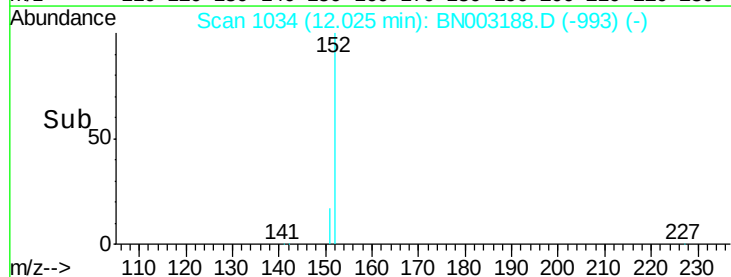
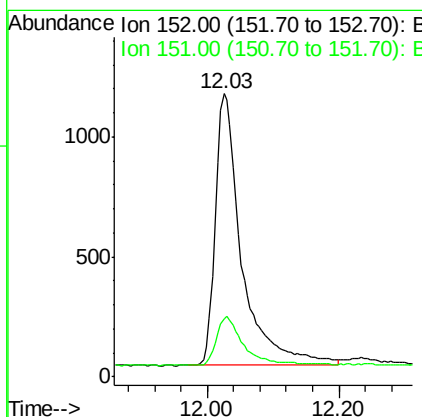
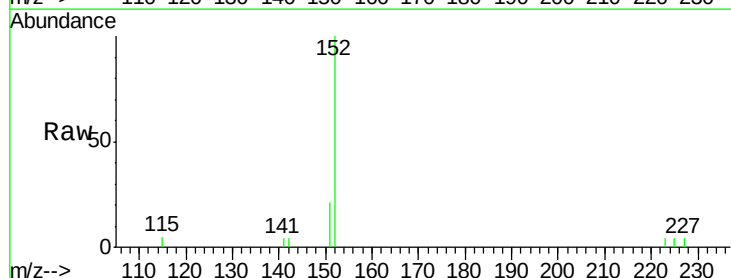
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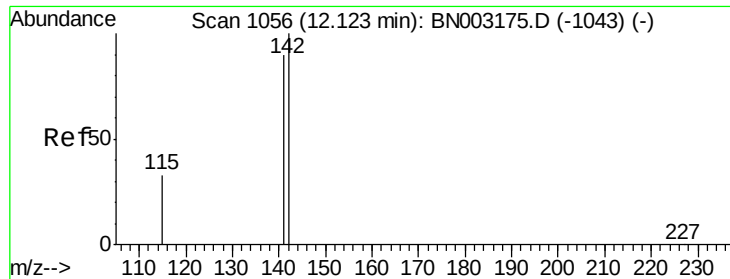
Tgt Ion: 225 Resp: 1
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 0.0 51.8 77.8#



#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.03 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

Tgt Ion: 152 Resp: 3166
Ion Ratio Lower Upper
152 100
151 17.8 15.0 22.4

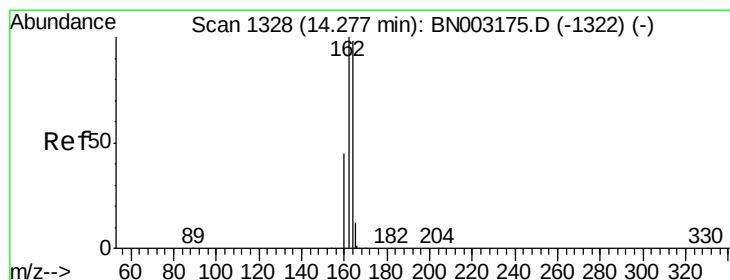
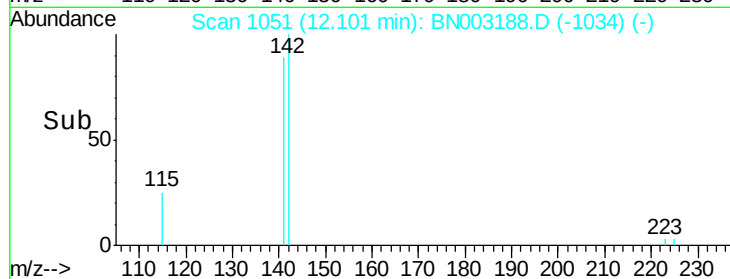
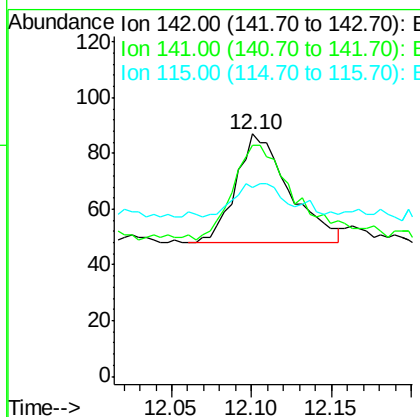
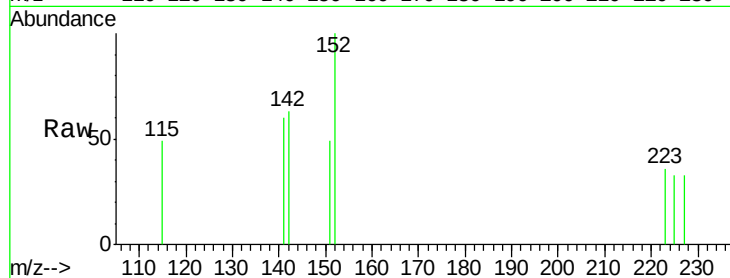




#12
2-Methylnaphthalene
Concen: 0.011 ng
RT: 12.10 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

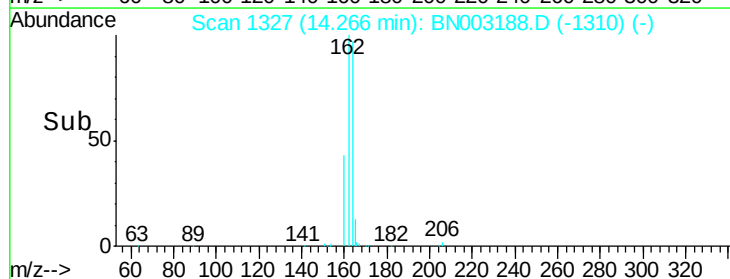
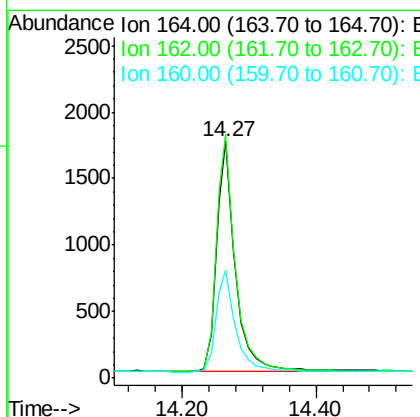
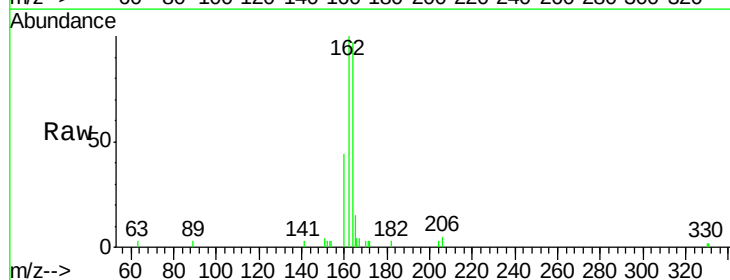
Instrument :
BNA_N
ClientSampled :
TW-4

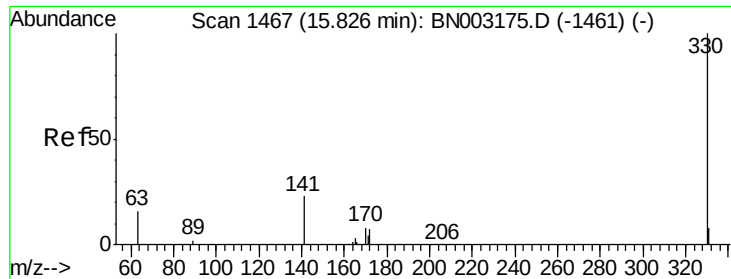
Tgt Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
141 95.4 71.5 107.3
115 78.2 28.1 42.1#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

Tgt Ion:164 Resp: 3393
Ion Ratio Lower Upper
164 100
162 102.7 81.7 122.5
160 45.5 36.3 54.5

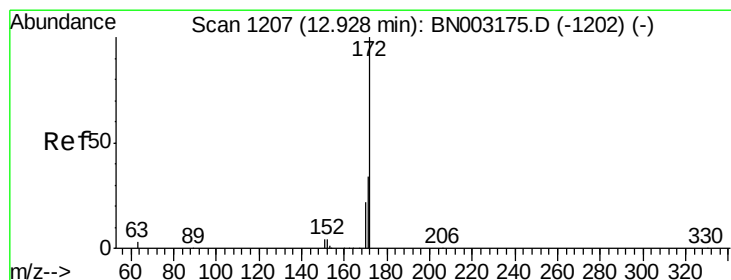
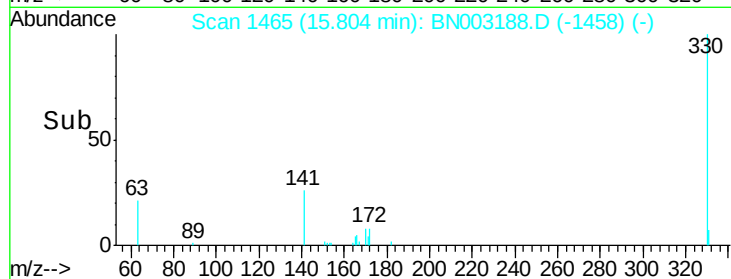
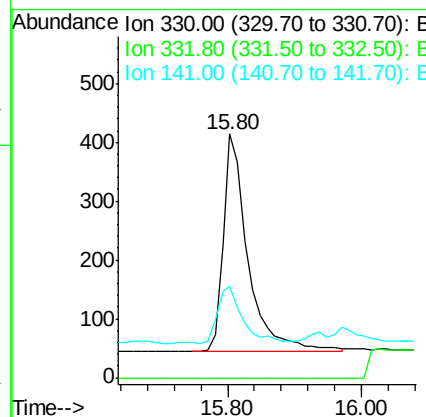
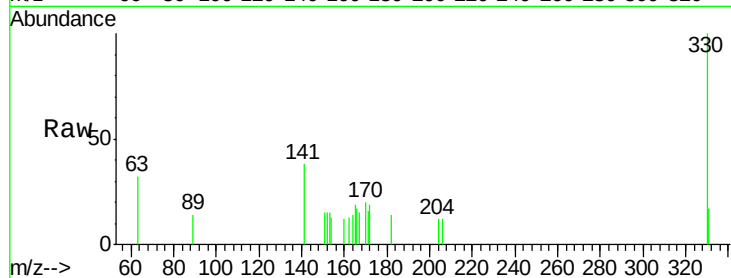




#14
 2,4,6-Tribromophenol
 Concen: 0.442 ng
 RT: 15.80 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

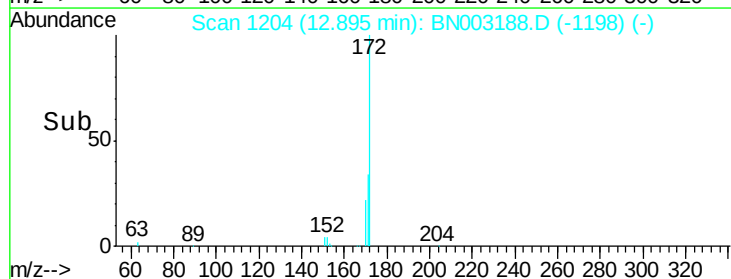
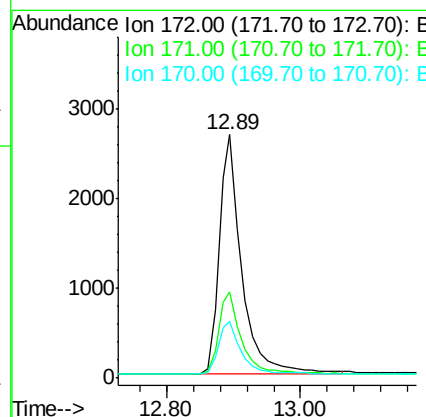
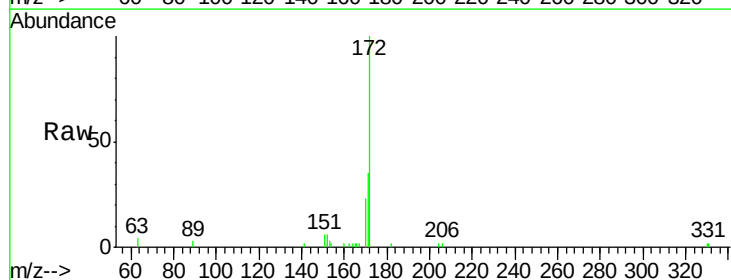
Instrument :
 BNA_N
 ClientSampleId :
 TW-4

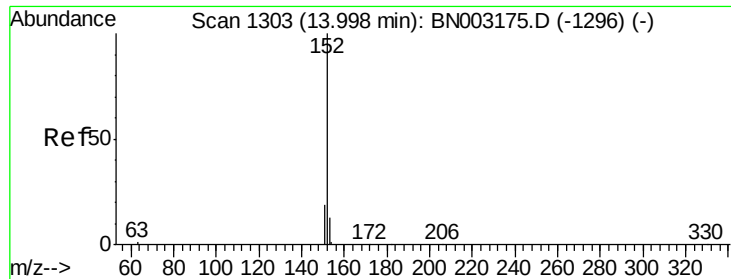
Tgt Ion: 330 Resp: 956
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 27.5 22.6 33.8



#15
 2-Fluorobiphenyl
 Concen: 0.470 ng
 RT: 12.89 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

Tgt Ion: 172 Resp: 6284
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.4 18.6 27.8





#16

Acenaphthylene

Concen: 0.002 ng

RT: 13.99 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

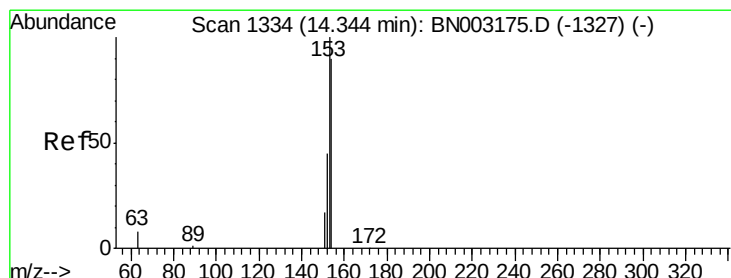
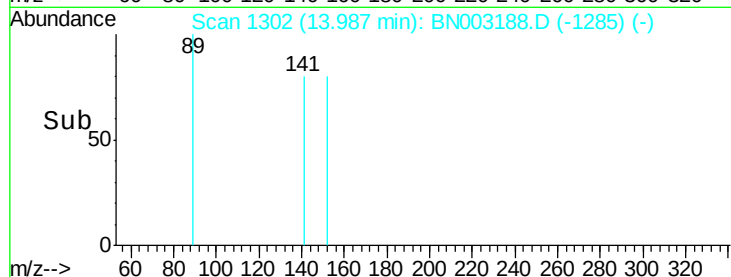
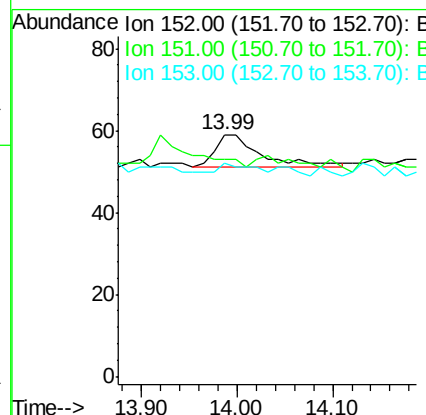
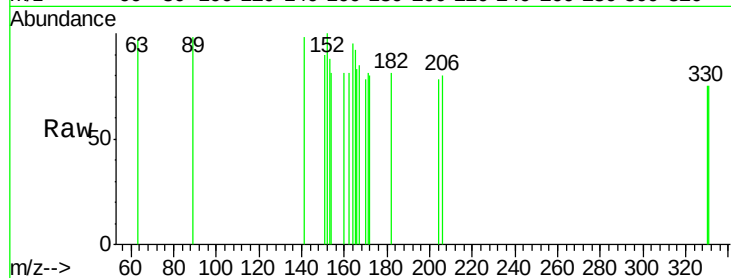
Instrument :

BNA_N

ClientSampleId :

TW-4

Tgt Ion:	152	Resp:	27
Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.7	23.5#
153	11.1	10.6	16.0



#17

Acenaphthene

Concen: 0.002 ng

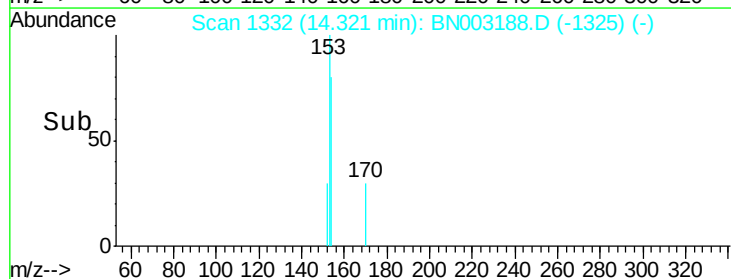
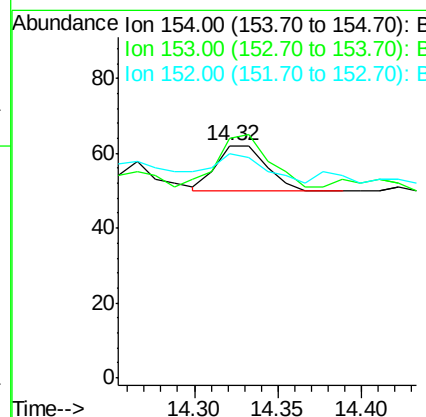
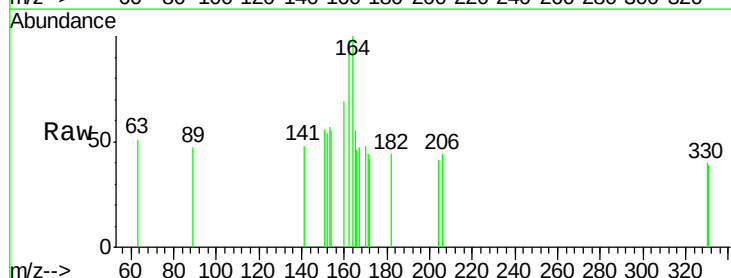
RT: 14.32 min Scan# 1332

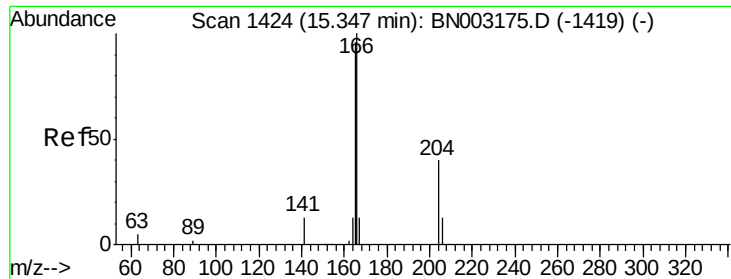
Delta R.T. -0.02 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Tgt Ion:	154	Resp:	25
Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.0	136.4
152	64.0	43.8	65.6

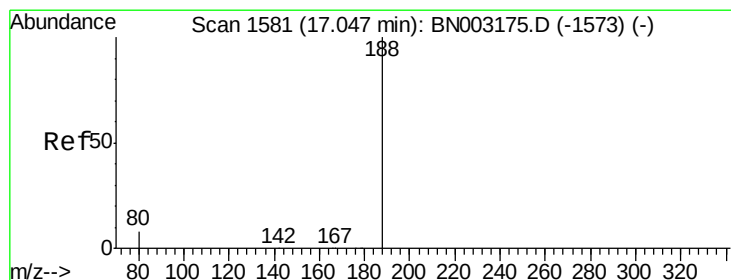
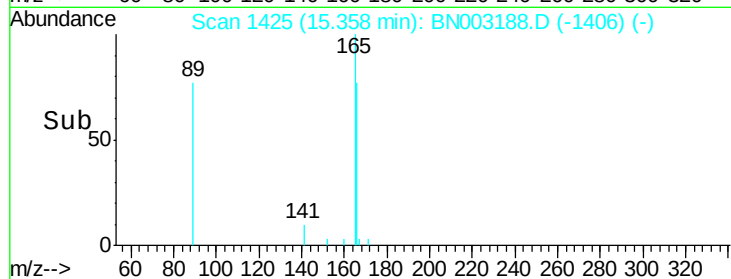
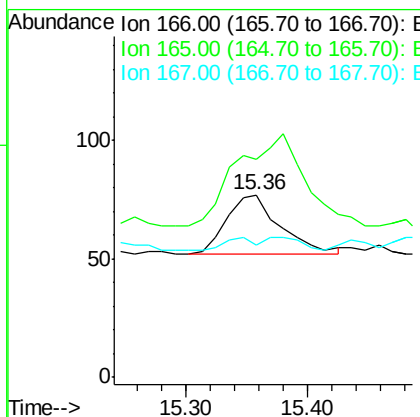
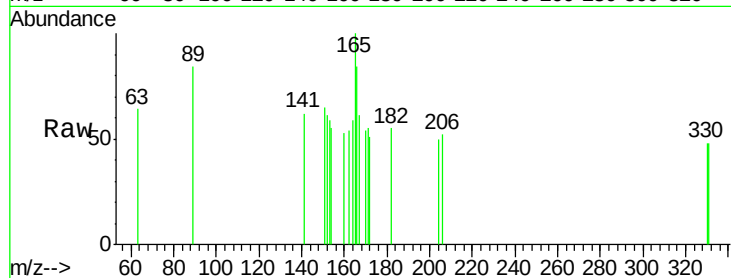




#18
 Fluorene
 Concen: 0.006 ng
 RT: 15.36 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

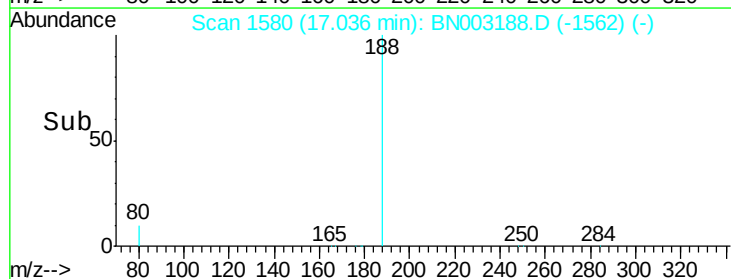
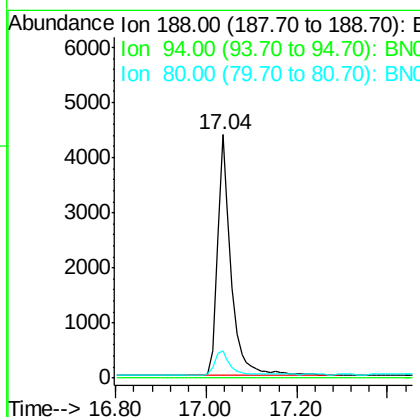
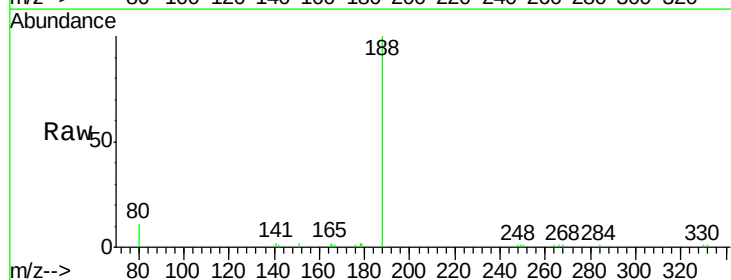
Instrument :
 BNA_N
 ClientSampleId :
 TW-4

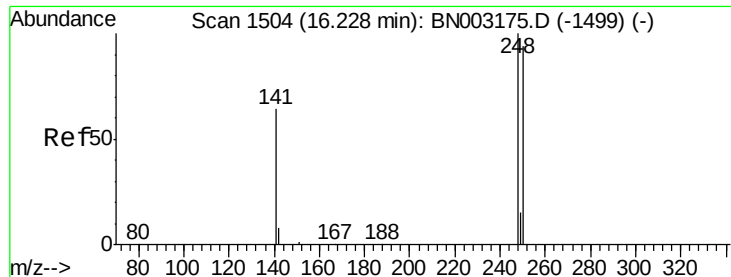
Tgt Ion:166 Resp: 78
 Ion Ratio Lower Upper
 166 100
 165 0.0 78.2 117.2#
 167 10.3 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.04 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

Tgt Ion:188 Resp: 9092
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.3 6.7 10.1#

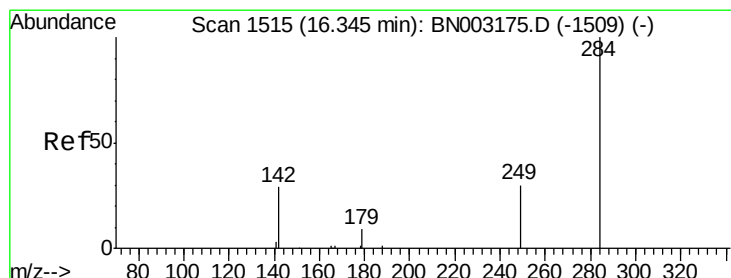
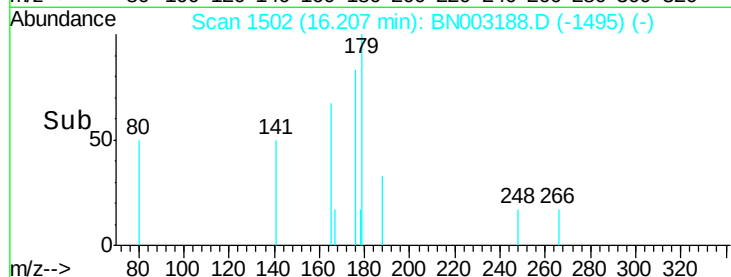
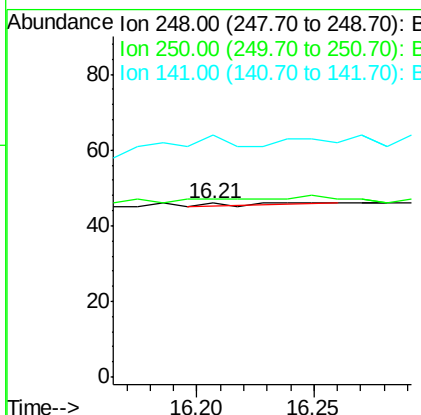
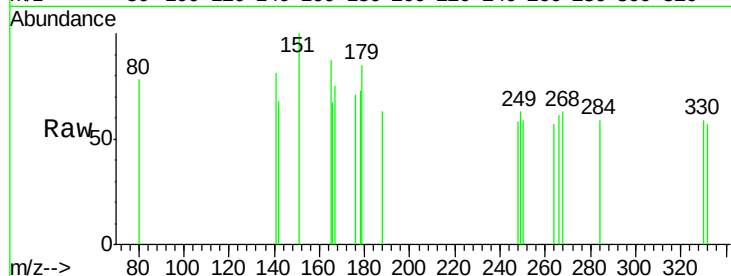




#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.21 min Scan# 1502
Delta R.T. -0.02 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

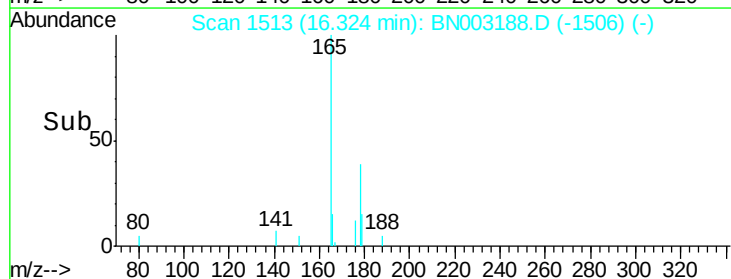
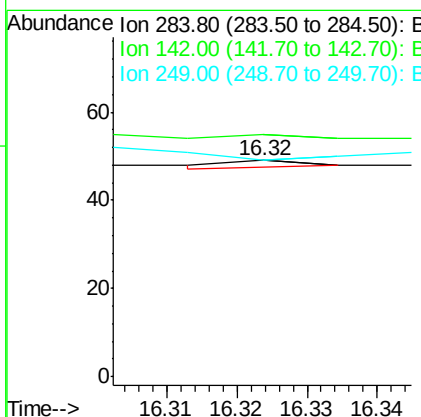
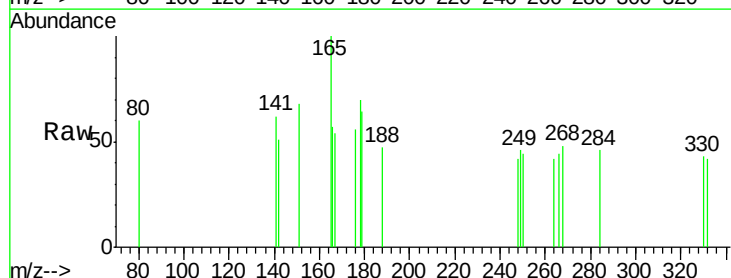
Instrument :
BNA_N
ClientSampled :
TW-4

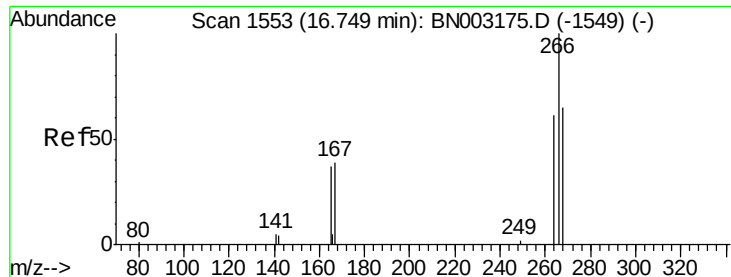
Tgt Ion:248 Resp: 1
Ion Ratio Lower Upper
248 100
250 102.2 78.9 118.3
141 139.1 48.5 72.7#



#21
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.32 min Scan# 1513
Delta R.T. -0.02 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

Tgt Ion:284 Resp: 1
Ion Ratio Lower Upper
284 100
142 0.0 24.6 37.0#
249 0.0 22.3 33.5#





#22

Pentachlorophenol

Concen: 0.086 ng

RT: 16.75 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BN003188.D

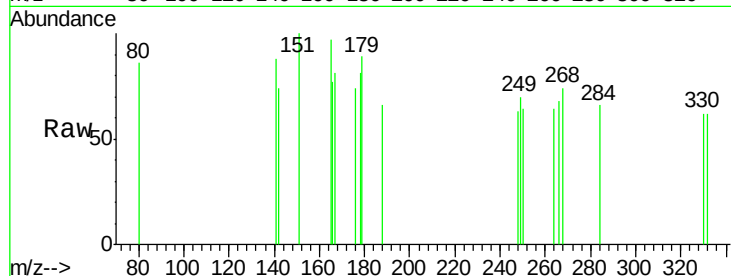
Acq: 17 Oct 2018 20:03

Instrument :

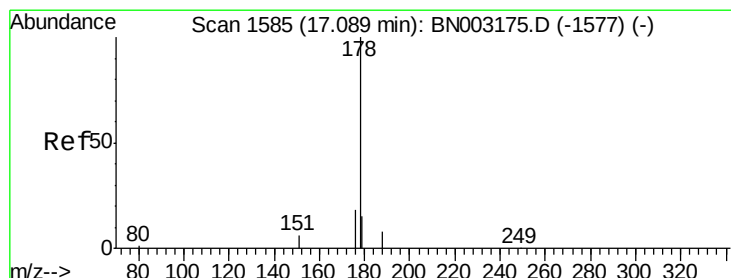
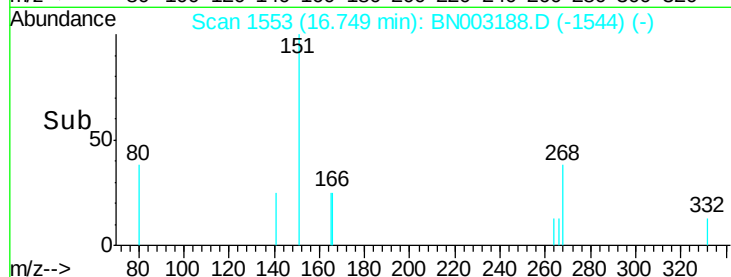
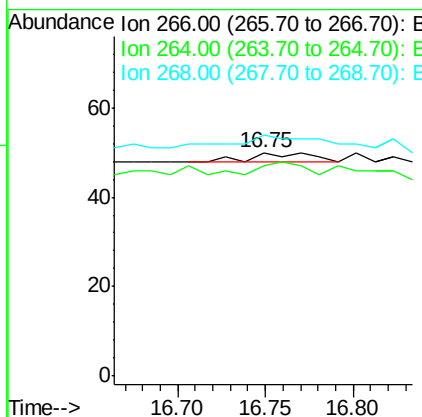
BNA_N

ClientSampleId :

TW-4



Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	94.0	55.0	82.4#
268	108.0	60.6	91.0#



#23

Phenanthrene

Concen: 0.016 ng

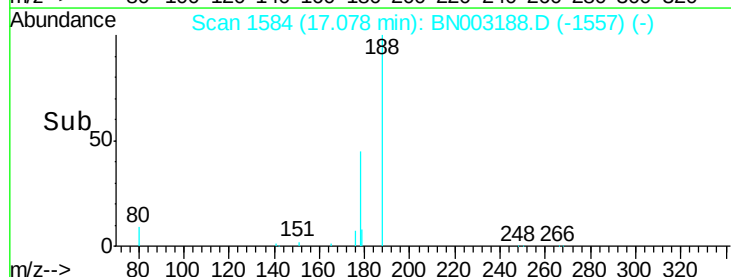
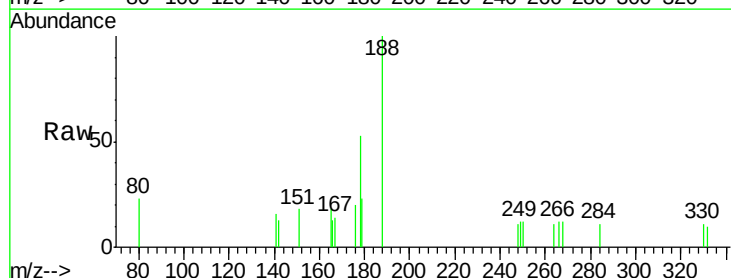
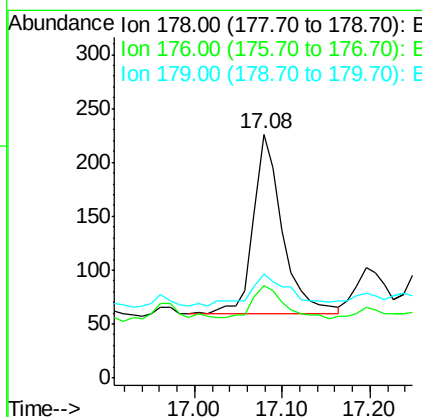
RT: 17.08 min Scan# 1584

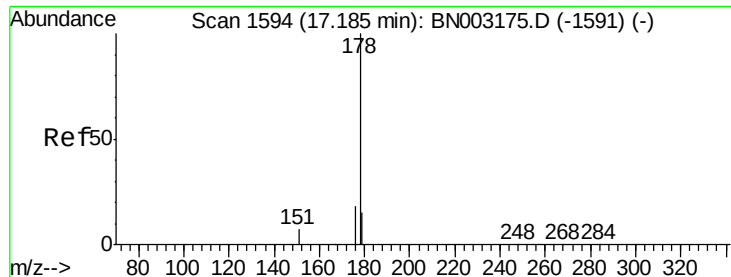
Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Tgt Ion:	178	Resp:	381
Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.9	22.3
179	23.6	12.3	18.5#





#24

Anthracene

Concen: 0.004 ng

RT: 17.20 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

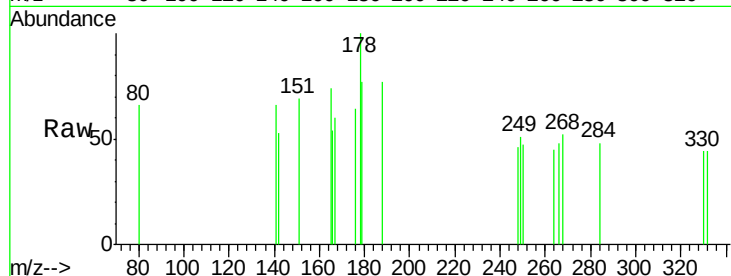
Tgt Ion:178 Resp: 80

Ion Ratio Lower Upper

178 100

176 32.5 14.6 22.0#

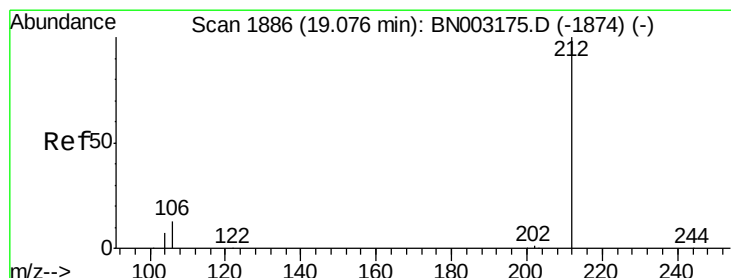
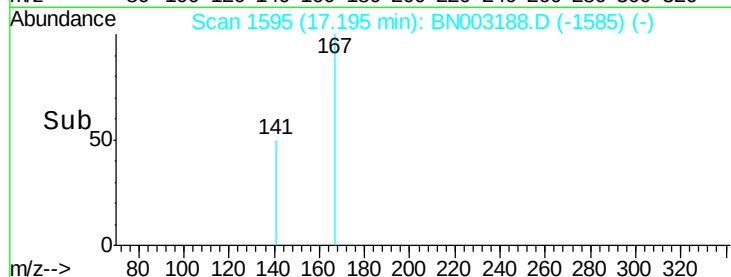
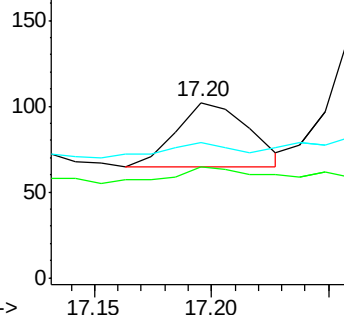
179 22.5 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.411 ng

RT: 19.07 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

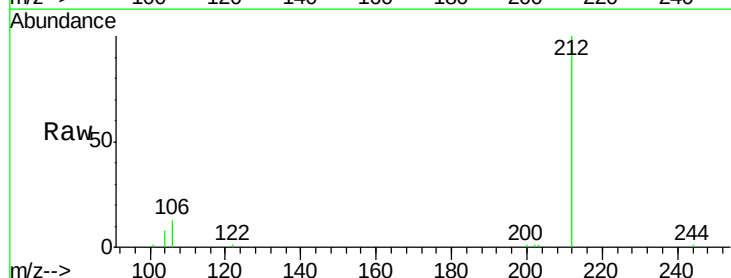
Tgt Ion:212 Resp: 11569

Ion Ratio Lower Upper

212 100

106 13.4 10.2 15.4

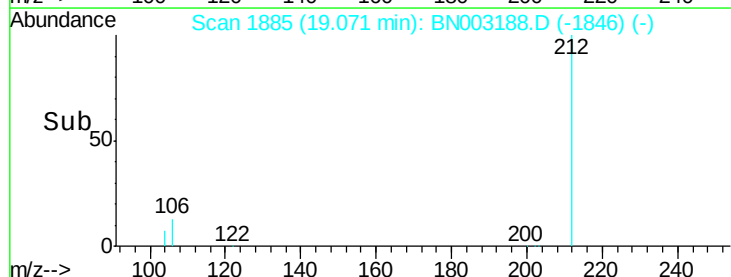
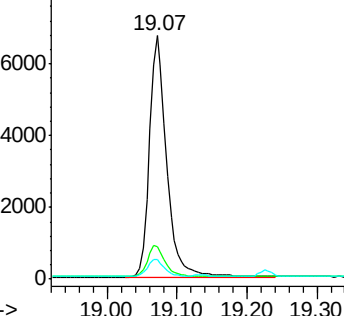
104 7.2 5.8 8.6

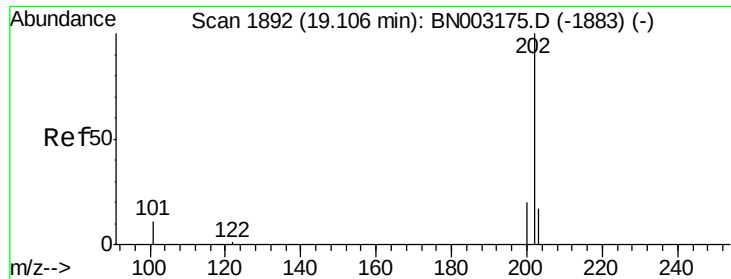


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

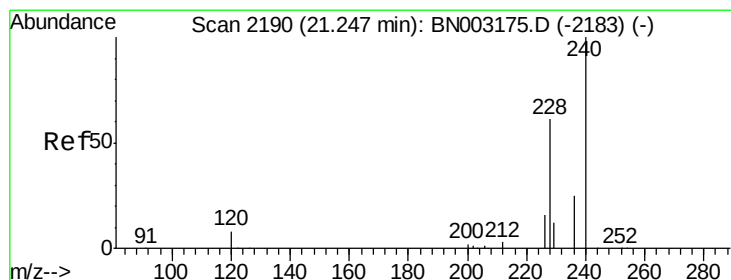
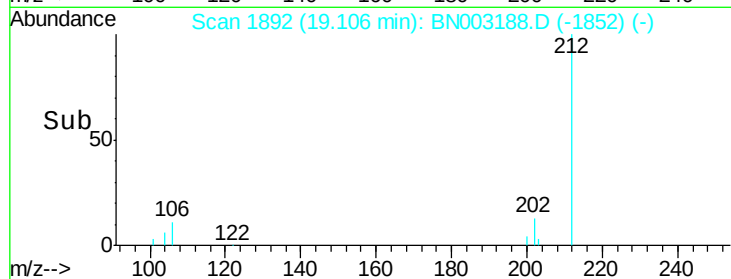
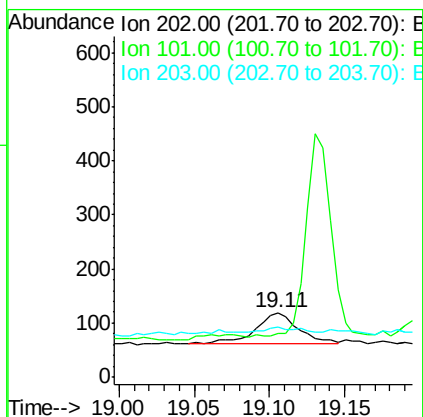
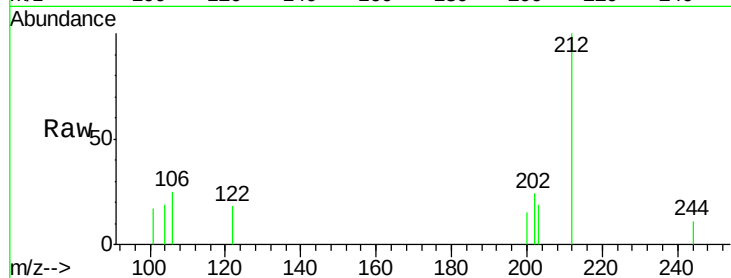




#26
Fluoranthene
Concen: 0.004 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

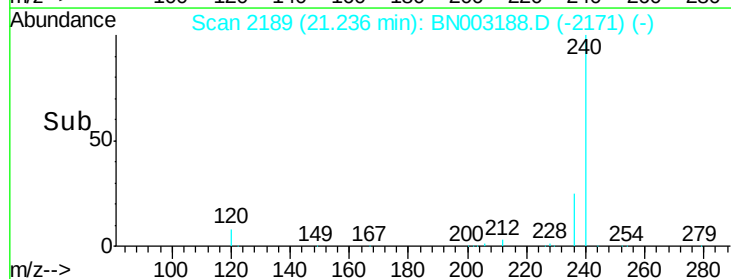
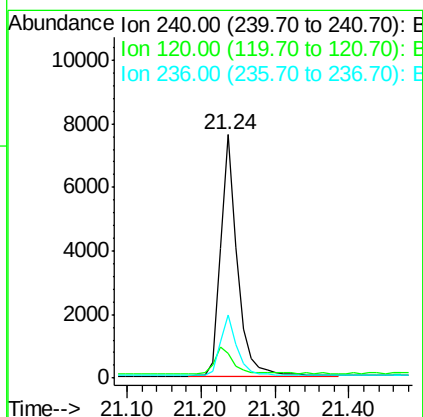
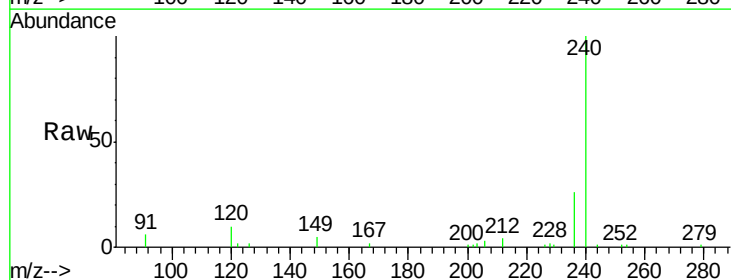
Instrument :
BNA_N
ClientSampleId :
TW-4

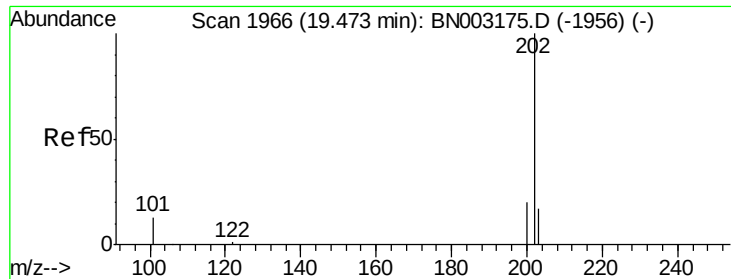
Tgt Ion:202 Resp: 118
Ion Ratio Lower Upper
202 100
101 0.0 8.6 12.8#
203 12.7 13.7 20.5#



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BN003188.D
Acq: 17 Oct 2018 20:03

Tgt Ion:240 Resp: 12066
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.8
236 26.1 21.0 31.4





#28

Pyrene

Concen: 0.004 ng

RT: 19.48 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampled :

TW-4

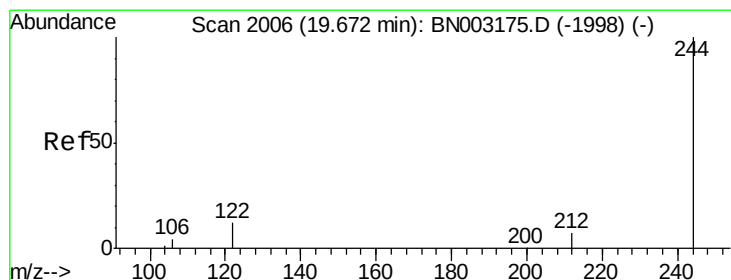
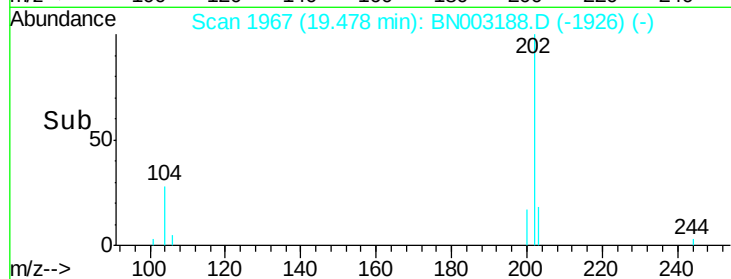
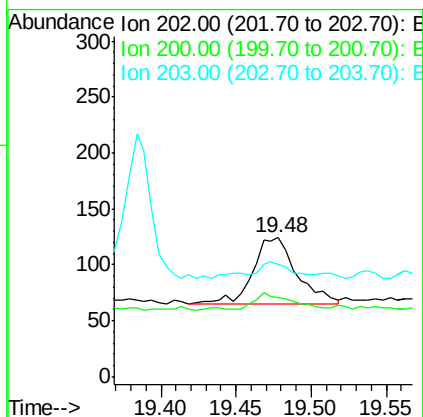
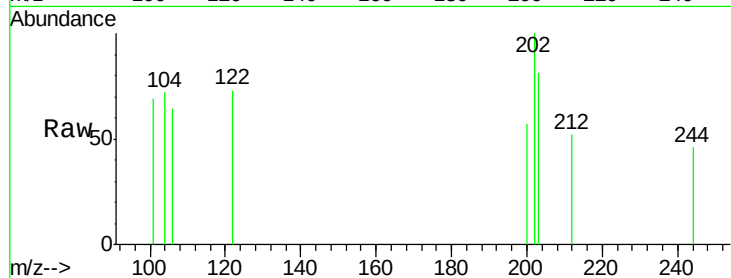
Tgt Ion:202 Resp: 120

Ion Ratio Lower Upper

202 100

200 18.3 16.3 24.5

203 10.8 14.2 21.2#



#29

Terphenyl-d14

Concen: 0.606 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

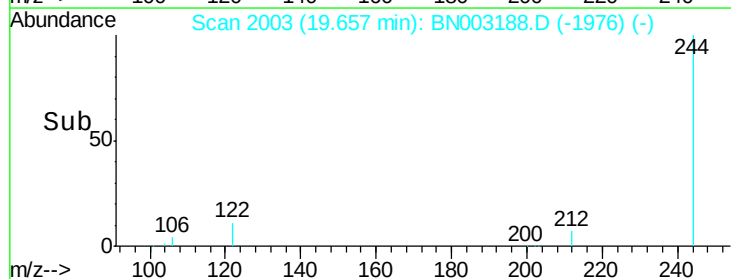
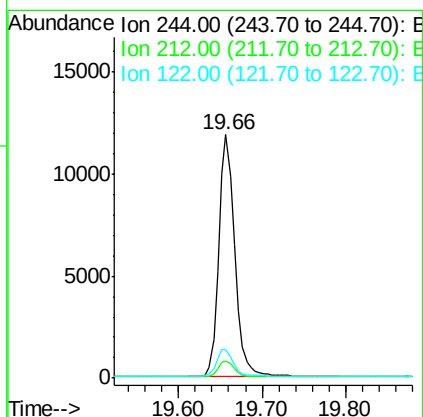
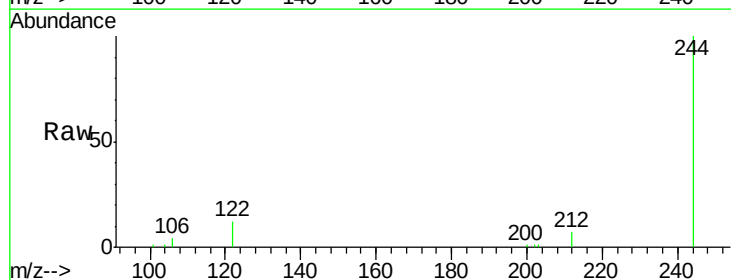
Tgt Ion:244 Resp: 15842

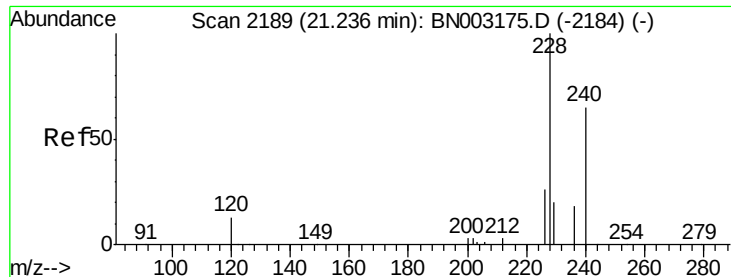
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.4

122 11.6 9.1 13.7





#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

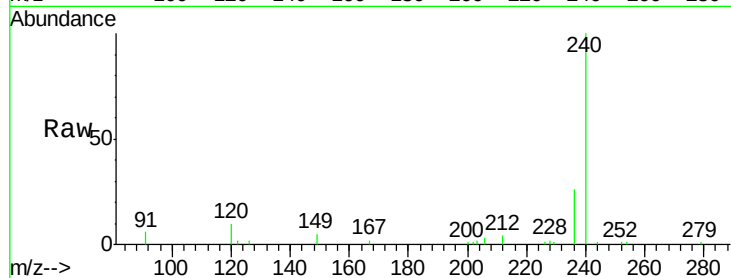
Tgt Ion:228 Resp: 115

Ion Ratio Lower Upper

228 100

226 68.2 21.4 32.2#

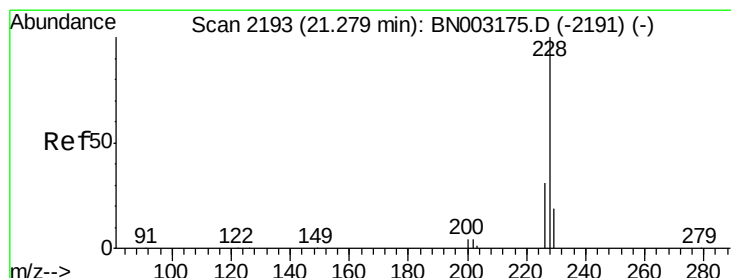
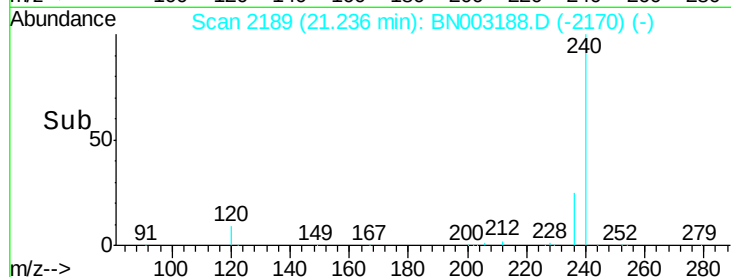
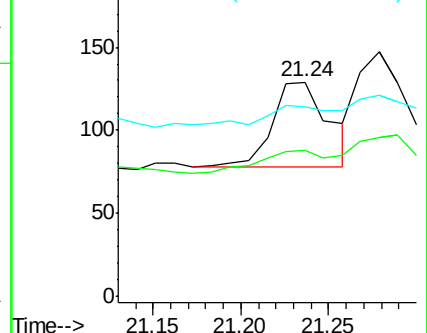
229 88.4 16.4 24.6#



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: 0.004 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

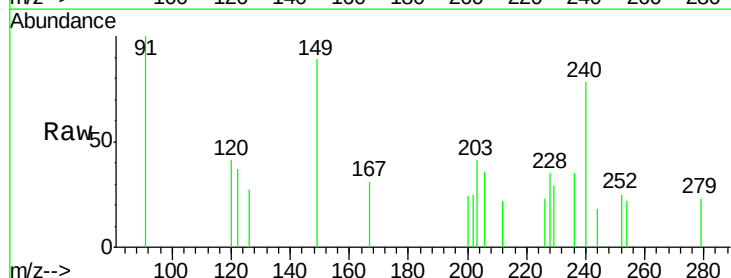
Tgt Ion:228 Resp: 131

Ion Ratio Lower Upper

228 100

226 65.3 23.1 34.7#

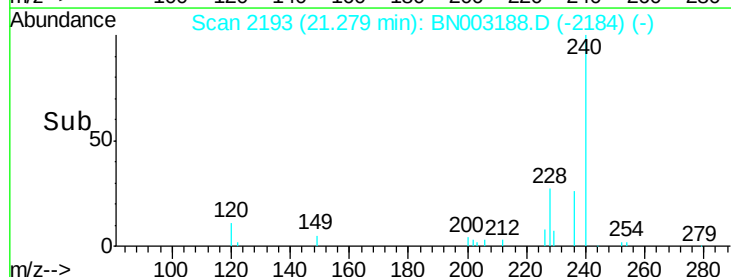
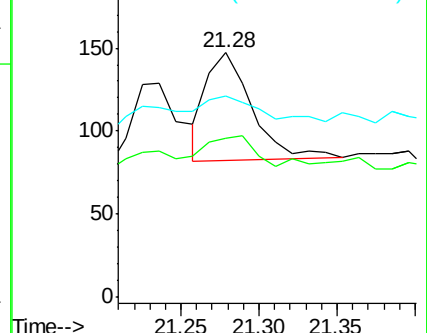
229 82.3 15.9 23.9#

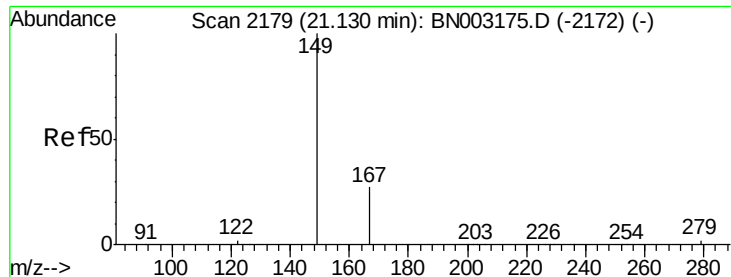


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.089 ng

RT: 21.12 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

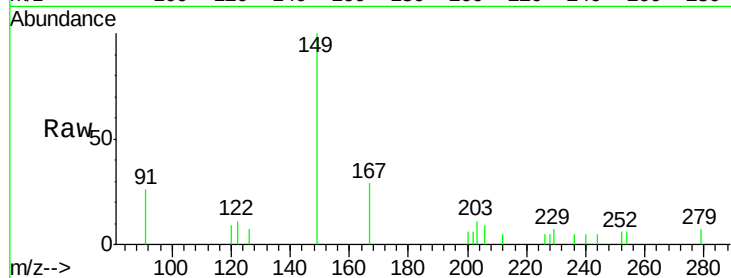
Tgt Ion:149 Resp: 1578

Ion Ratio Lower Upper

149 100

167 26.4 22.2 33.4

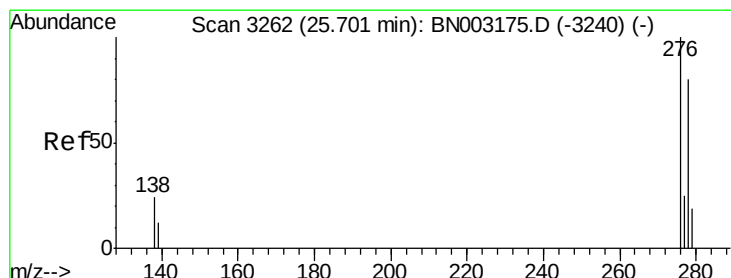
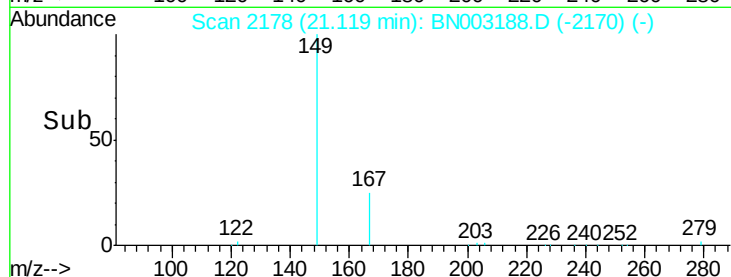
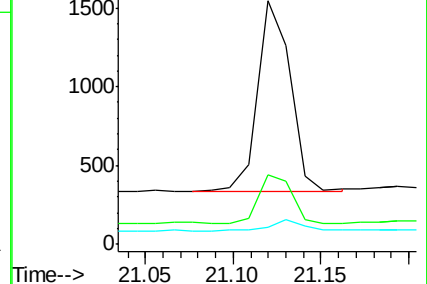
279 5.6 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 25.72 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

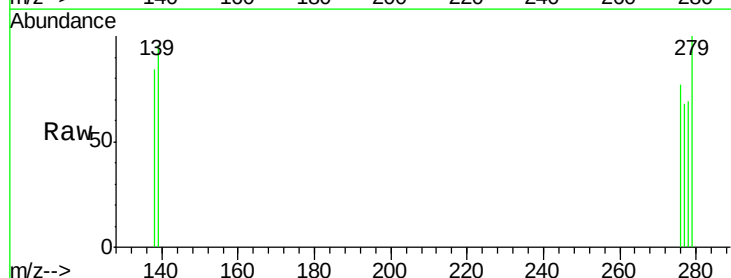
Tgt Ion:276 Resp: 107

Ion Ratio Lower Upper

276 100

138 0.0 18.2 27.4#

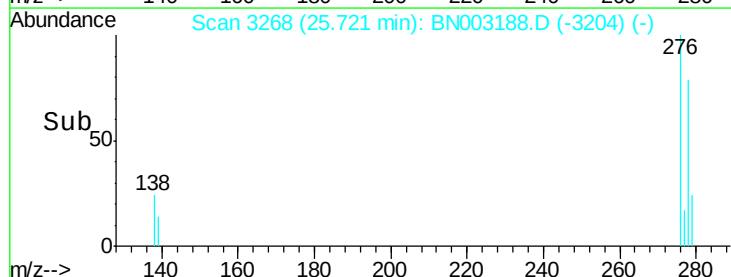
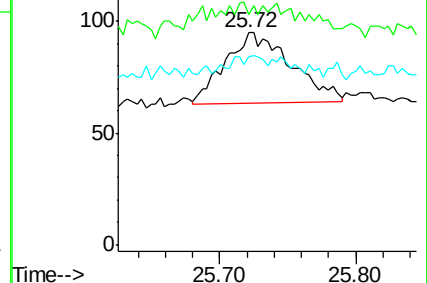
277 7.5 20.2 30.4#

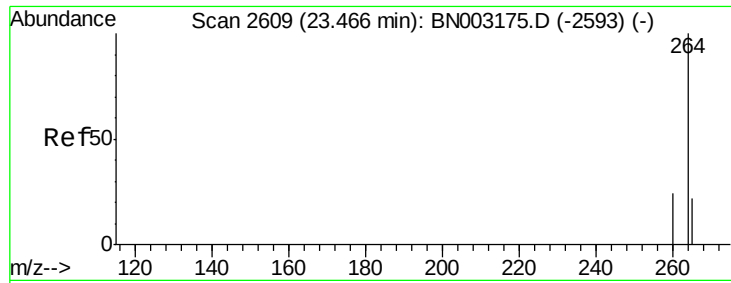


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

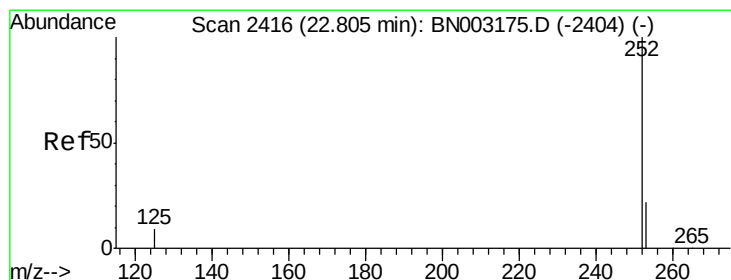
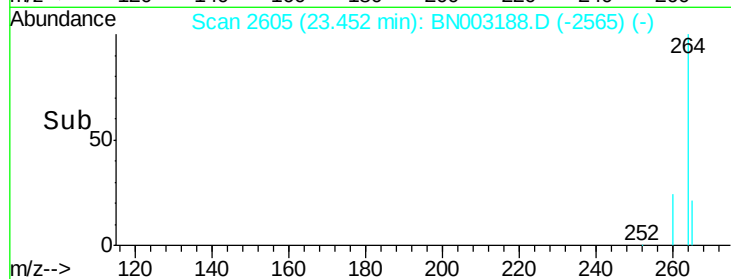
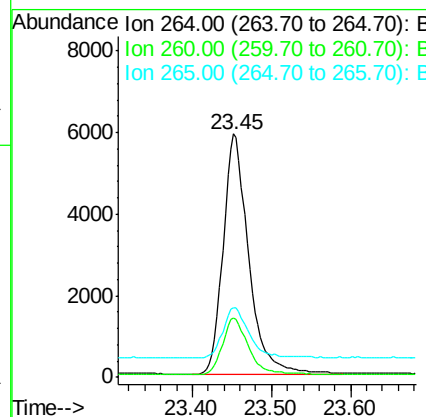
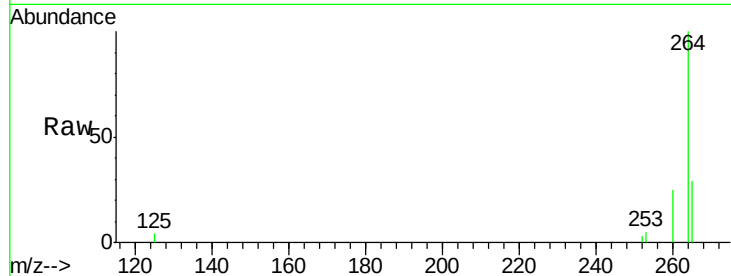




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.45 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

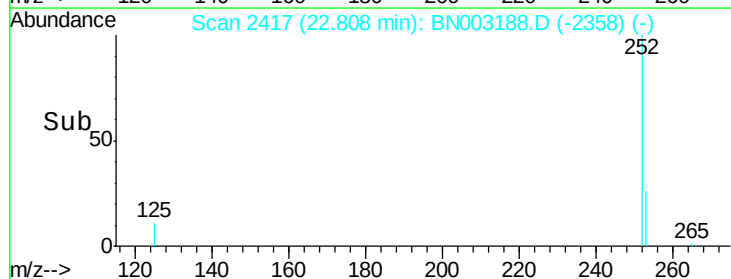
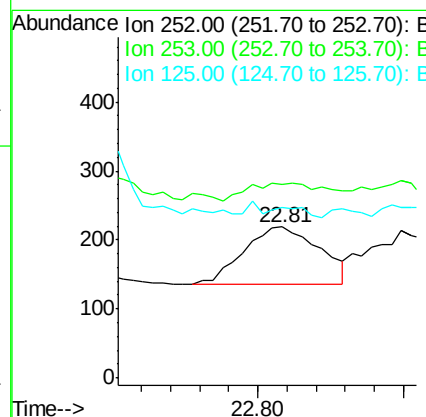
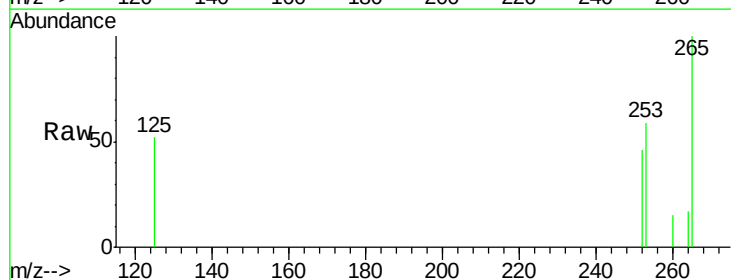
Instrument :
 BNA_N
 ClientSampleId :
 TW-4

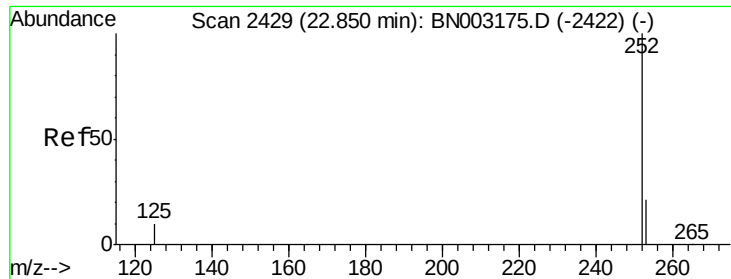
Tgt Ion: 264 Resp: 13215
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.7 29.5
 265 28.8 27.6 41.4



#35
Benzo(b)fluoranthene
 Concen: 0.004 ng
 RT: 22.81 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BN003188.D
 Acq: 17 Oct 2018 20:03

Tgt Ion: 252 Resp: 150
 Ion Ratio Lower Upper
 252 100
 253 127.9 20.8 31.2#
 125 113.2 9.6 14.4#





#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.85 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

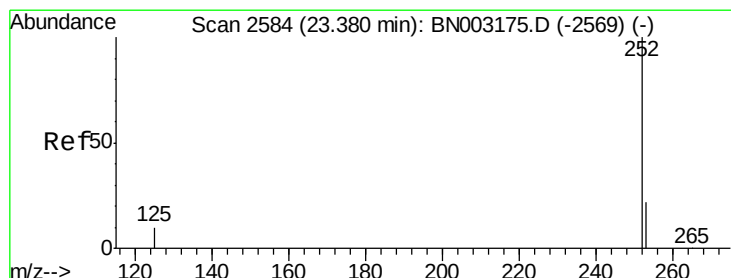
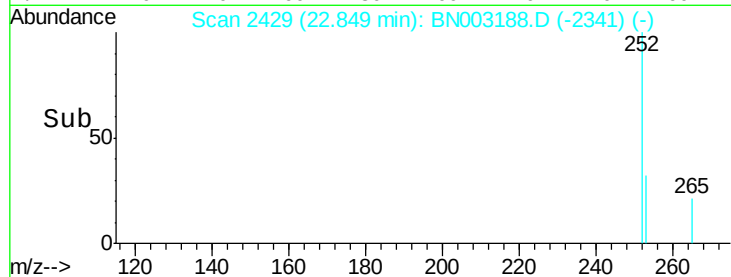
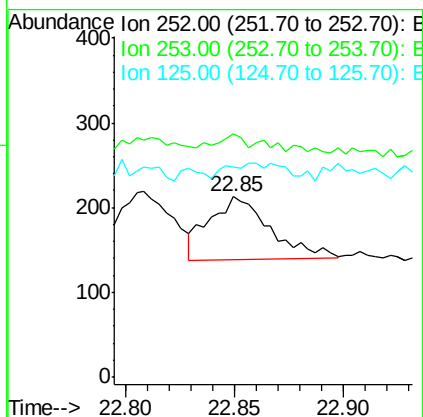
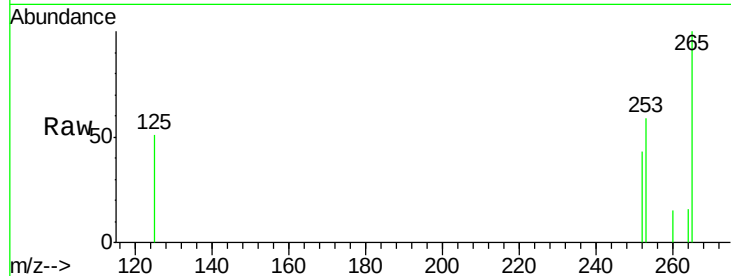
Tgt Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

253 134.7 20.5 30.7#

125 116.4 9.4 14.0#



#37

Benzo(a)pyrene

Concen: 0.002 ng

RT: 23.37 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

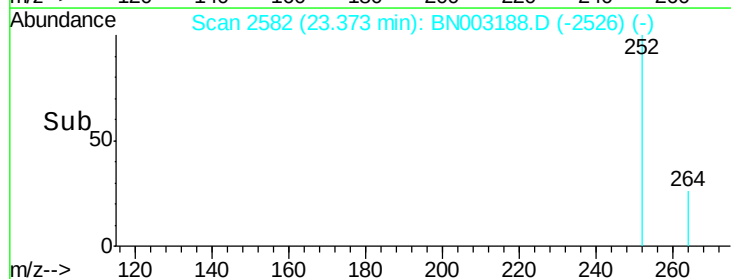
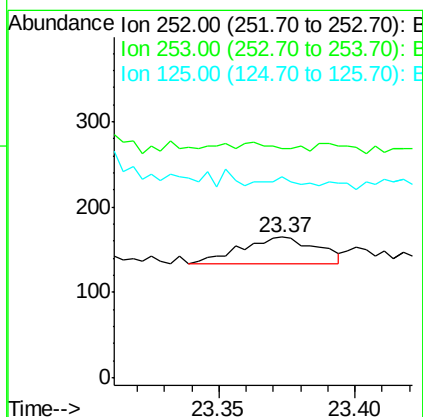
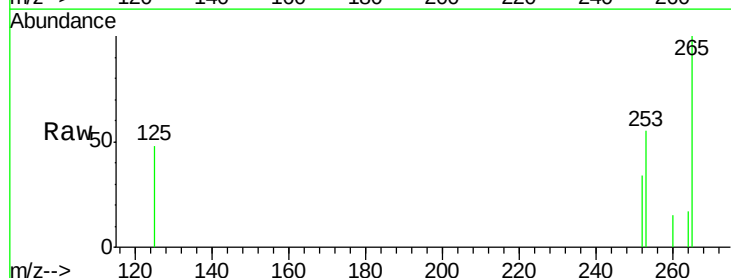
Tgt Ion:252 Resp: 60

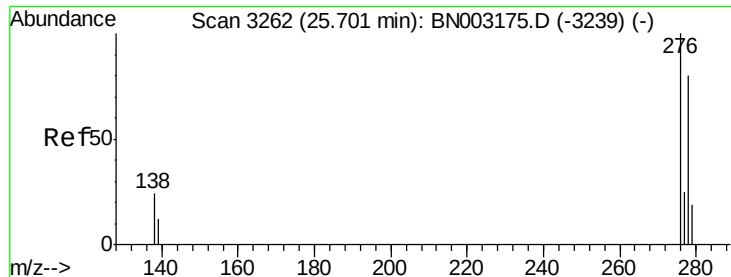
Ion Ratio Lower Upper

252 100

253 163.0 22.4 33.6#

125 142.4 11.4 17.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 25.72 min Scan# 3267

Delta R.T. 0.02 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

Instrument :

BNA_N

ClientSampleId :

TW-4

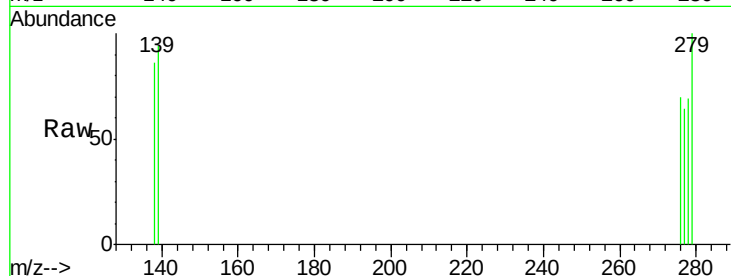
Tgt Ion: 278 Resp: 87

Ion Ratio Lower Upper

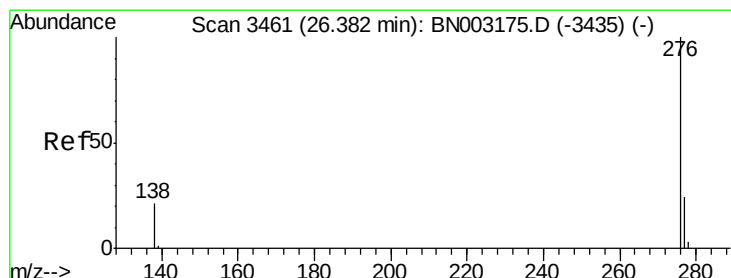
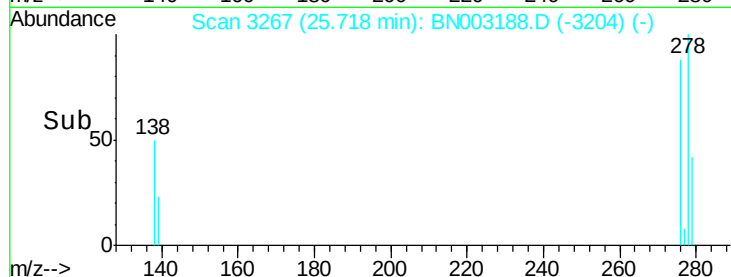
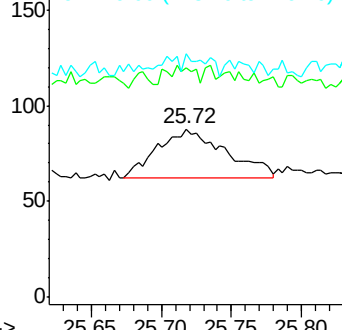
278 100

139 136.4 14.6 21.8#

279 144.3 23.1 34.7#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.001 ng

RT: 26.39 min Scan# 3462

Delta R.T. 0.00 min

Lab File: BN003188.D

Acq: 17 Oct 2018 20:03

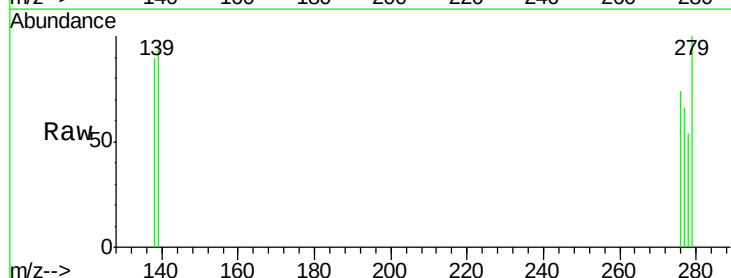
Tgt Ion: 276 Resp: 38

Ion Ratio Lower Upper

276 100

277 88.5 21.0 31.4#

138 120.7 18.1 27.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

