

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101718\
 Data File : BN003189.D
 Acq On : 17 Oct 2018 20:38
 Operator : MJ/SJ
 Sample : J5317-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE-109D1-20181005

Quant Time: Oct 18 15:39:24 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	844	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	3233	0.40	ng	0.06
13) Acenaphthene-d10	14.28	164	2690	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	7122	0.40	ng	0.01
27) Chrysene-d12	21.25	240	10388	0.40	ng	0.00
34) Perylene-d12	23.46	264	11257	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	363	0.19	ng	0.03
5) Phenol-d6	6.86	99	206	0.08	ng	-0.07
8) Nitrobenzene-d5	9.00	82	601	0.29	ng	0.13
11) 2-Methylnaphthalene-d10	12.08	152	2084	0.38	ng	0.04
14) 2,4,6-Tribromophenol	15.84	330	633	0.37	ng	0.01
15) 2-Fluorobiphenyl	12.93	172	3847	0.36	ng	0.00
25) Fluoranthene-d10	19.08	212	9048	0.41	ng	0.00
29) Terphenyl-d14	19.66	244	8505	0.38	ng	-0.01

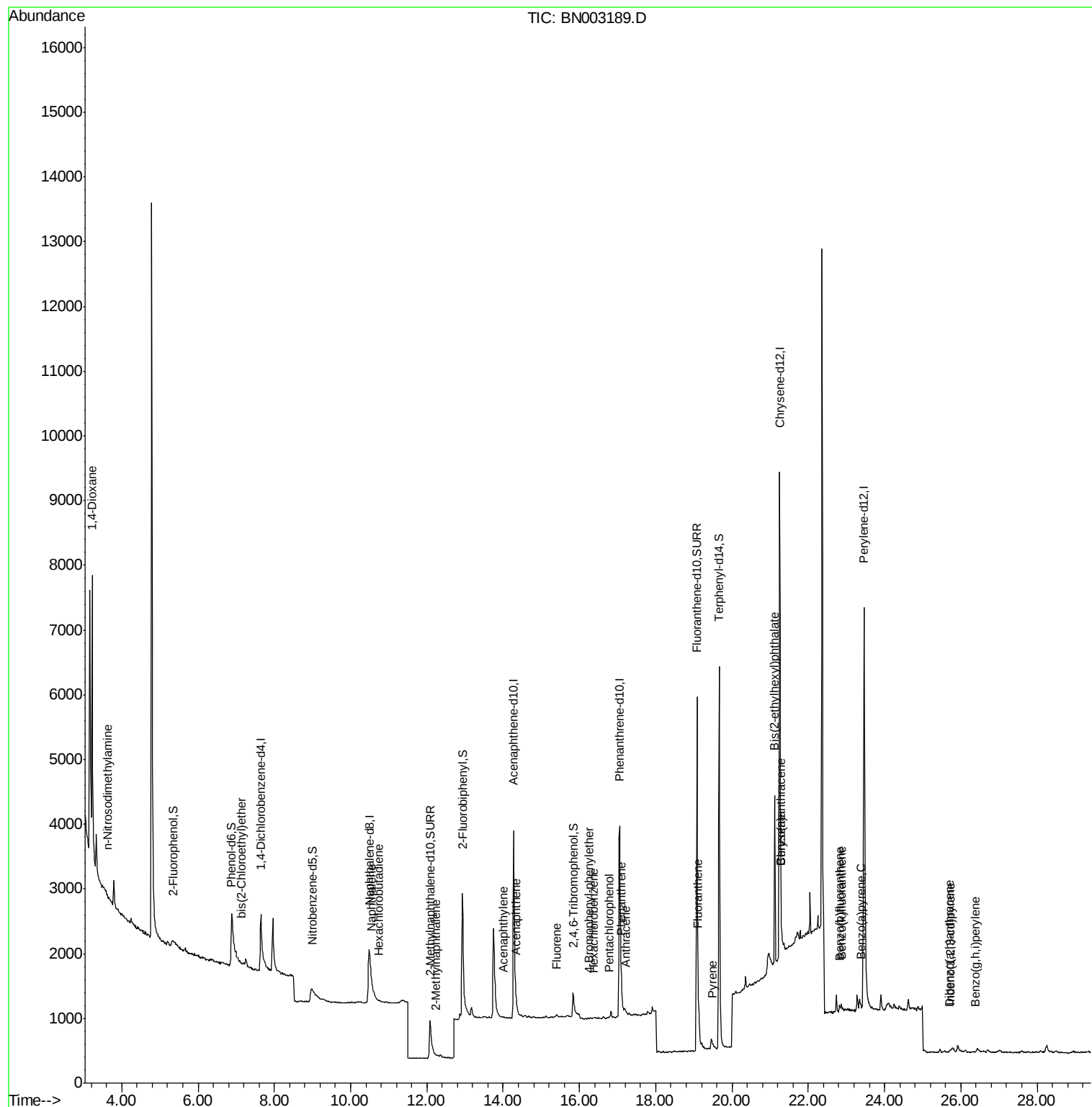
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	3213	3.022	ng	# 93
3) n-Nitrosodimethylamine	3.63	42	24	0.185	ng	# 11
6) bis(2-Chloroethyl)ether	7.14	93	10	0.004	ng	# 25
9) Naphthalene	10.54	128	171	0.021	ng	# 1
10) Hexachlorobutadiene	10.73	225	3	0.002	ng	# 18
12) 2-Methylnaphthalene	12.24	142	1	0.000	ng	# 57
16) Acenaphthylene	14.01	152	6	0.000	ng	# 61
17) Acenaphthene	14.34	154	16	0.002	ng	# 1
18) Fluorene	15.40	166	59	0.006	ng	# 97
20) 4-Bromophenyl-phenylether	16.25	248	1	0.000	ng	# 70
21) Hexachlorobenzene	16.37	284	3	0.001	ng	# 1
22) Pentachlorophenol	16.79	266	4	0.086	ng	# 67
23) Phenanthrene	17.10	178	200	0.011	ng	# 90
24) Anthracene	17.23	178	26	0.002	ng	# 29
26) Fluoranthene	19.12	202	102	0.004	ng	# 87
28) Pyrene	19.49	202	95	0.003	ng	# 95
30) Benzo(a)anthracene	21.29	228	226	0.008	ng	# 8
31) Chrysene	21.29	228	232	0.007	ng	# 11
32) Bis(2-ethylhexyl)phthalate	21.12	149	2734	0.168	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.72	276	5	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.82	252	130	0.004	ng	# 1
36) Benzo(k)fluoranthene	22.87	252	103	0.003	ng	# 1
37) Benzo(a)pyrene	23.40	252	28	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	25.69	278	2	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.38	276	1	0.000	ng	# 1

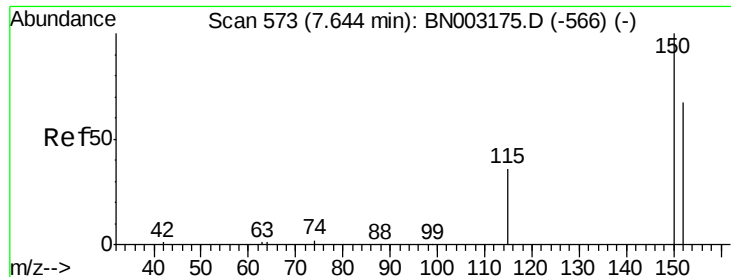
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

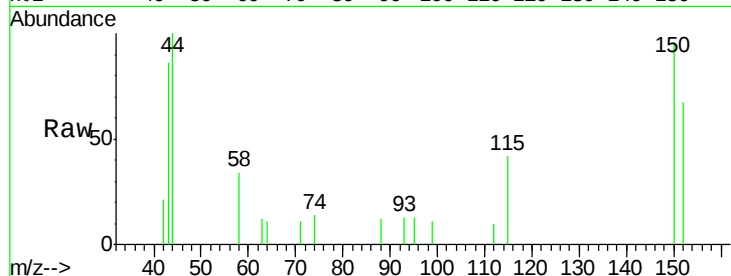
Tgt Ion: 152 Resp: 844

Ion Ratio Lower Upper

152 100

150 144.2 126.2 189.4

115 62.9 49.8 74.6

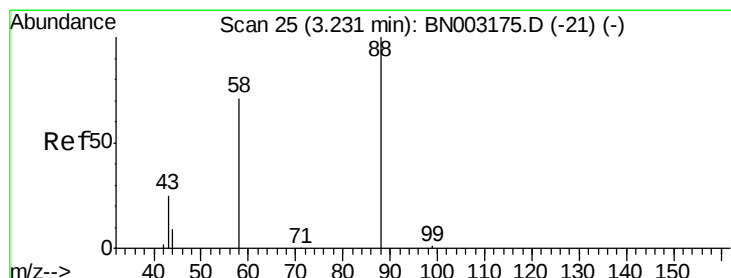
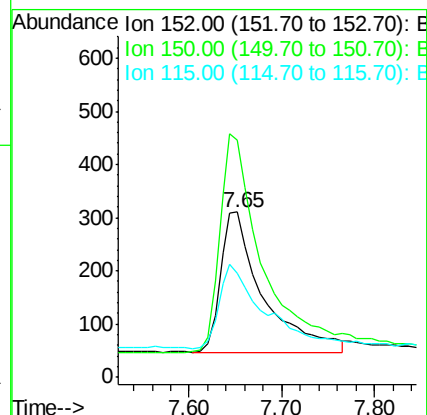
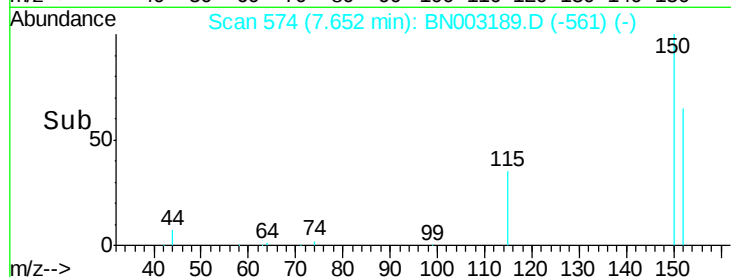


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.65



#2

1,4-Dioxane

Concen: 3.022 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

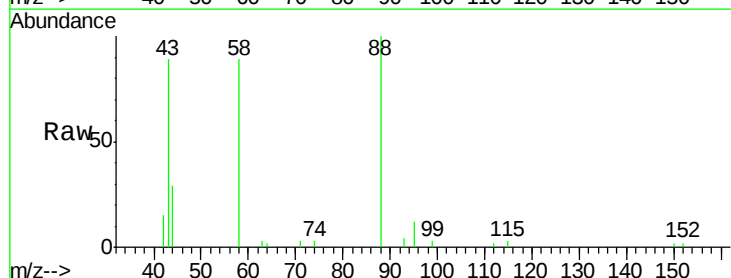
Tgt Ion: 88 Resp: 3213

Ion Ratio Lower Upper

88 100

58 79.3 66.7 100.1

43 37.6 24.6 37.0#

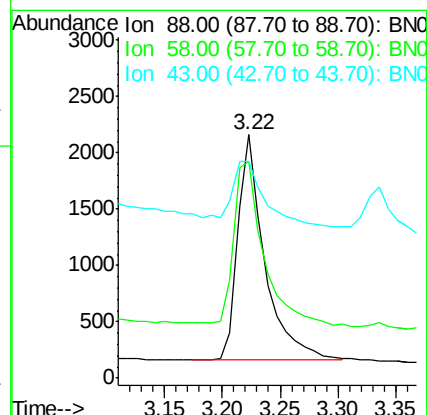
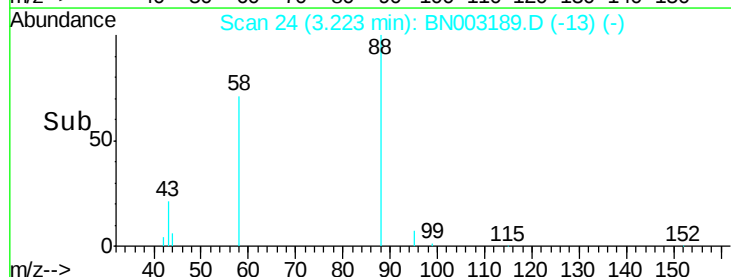


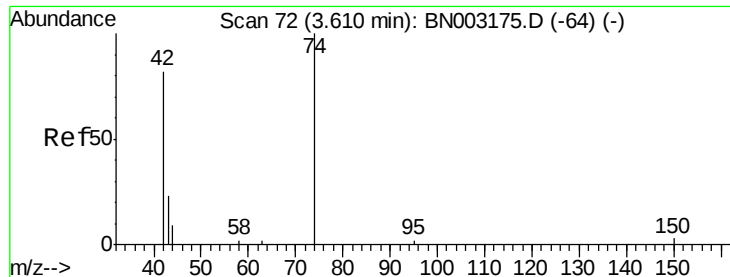
Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

3.22





#3

n-Nitrosodimethylamine

Concen: 0.185 ng

RT: 3.63 min Scan# 74

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

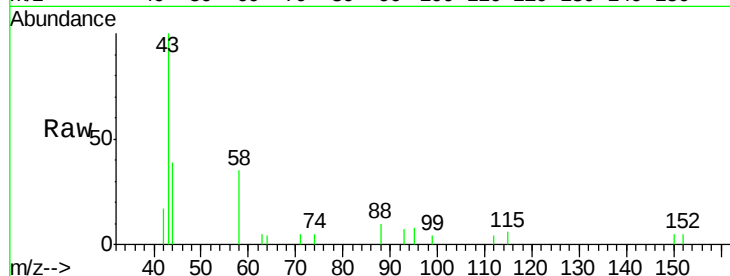
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

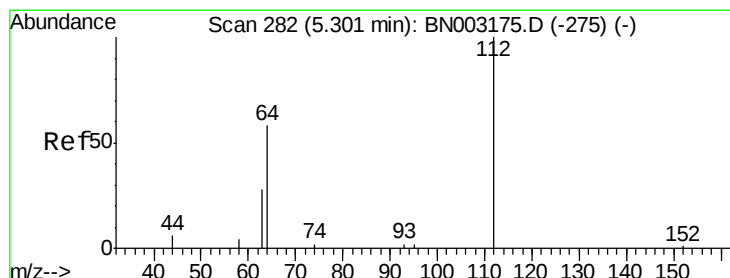
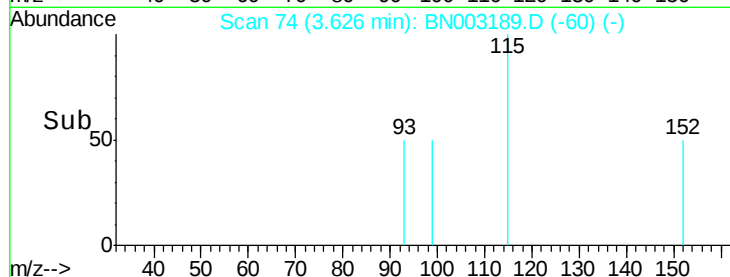
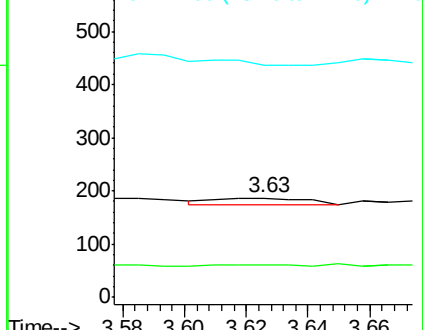
42 100

74 25.0 102.9 154.3#

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: 0.195 ng

RT: 5.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

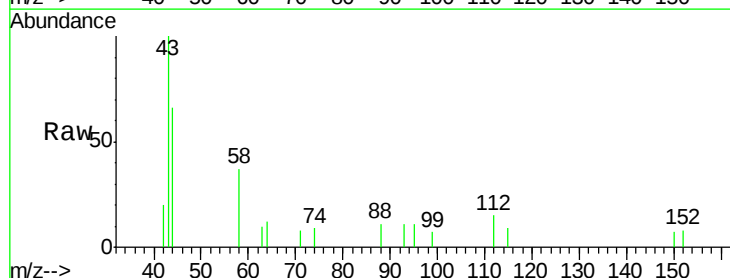
Tgt Ion: 112 Resp: 363

Ion Ratio Lower Upper

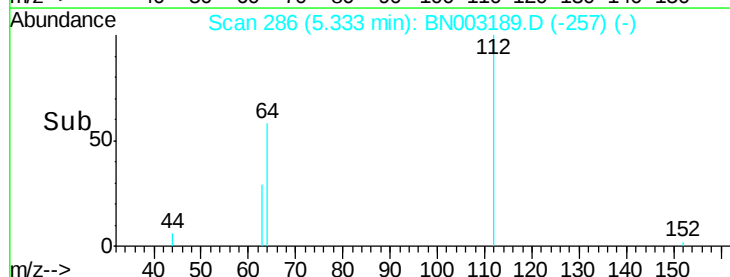
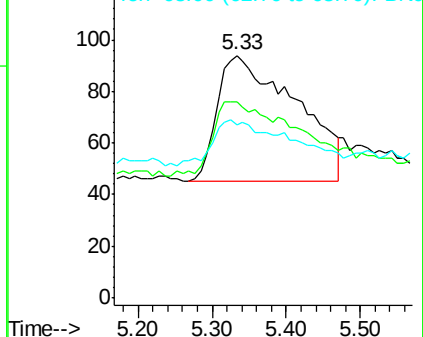
112 100

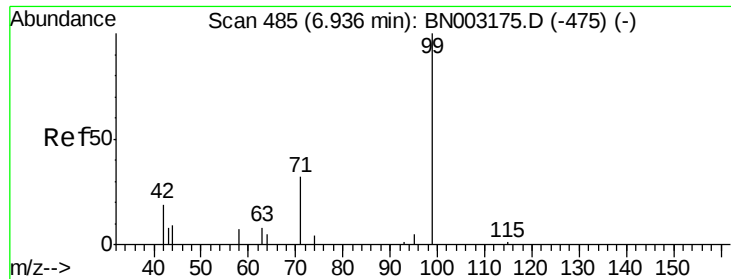
64 63.1 49.0 73.4

63 35.8 25.9 38.9



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





#5

Phenol-d6

Concen: 0.078 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.07 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

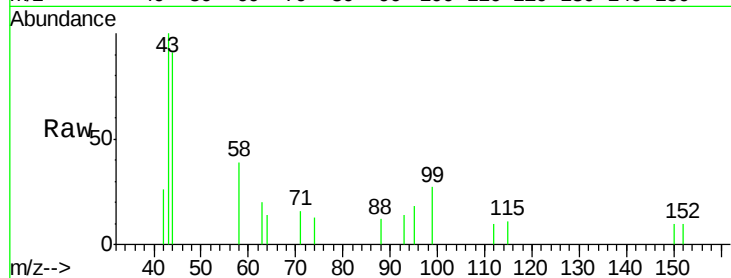
Tgt Ion: 99 Resp: 206

Ion Ratio Lower Upper

99 100

42 32.0 15.4 23.2#

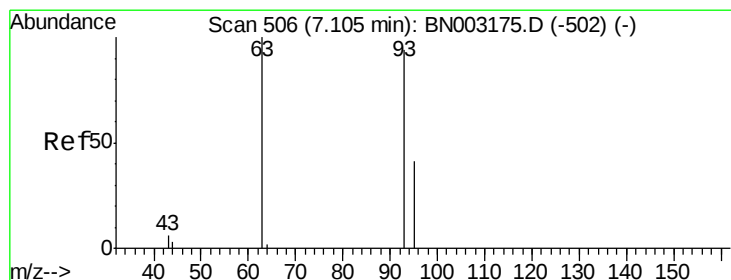
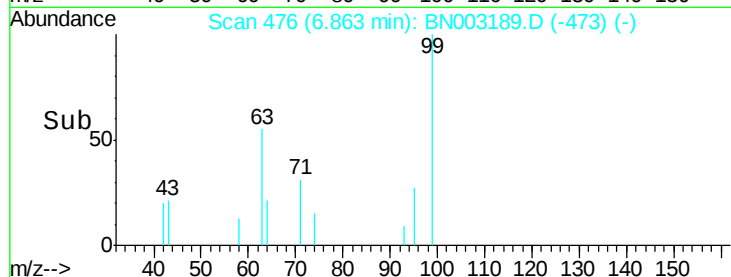
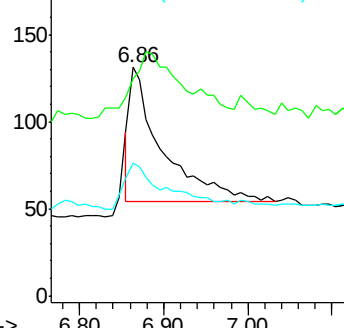
71 24.8 26.0 39.0#



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.004 ng

RT: 7.14 min Scan# 510

Delta R.T. 0.03 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

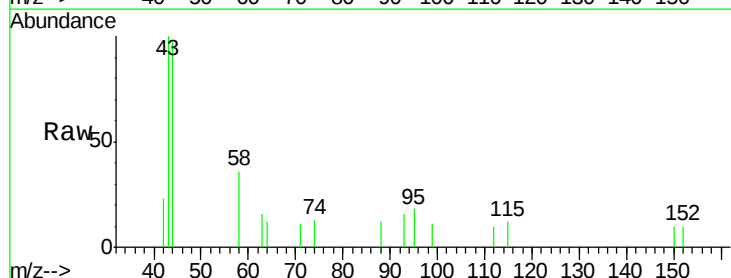
Tgt Ion: 93 Resp: 10

Ion Ratio Lower Upper

93 100

63 0.0 54.2 81.4#

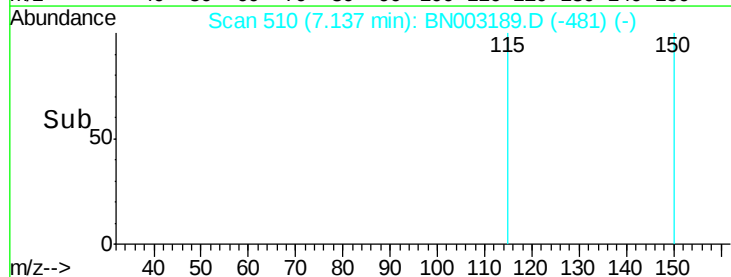
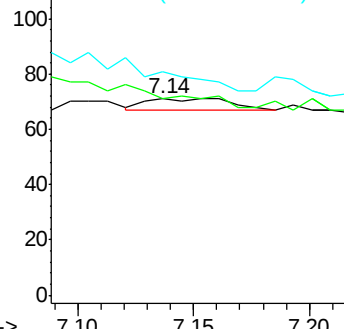
95 0.0 24.9 37.3#

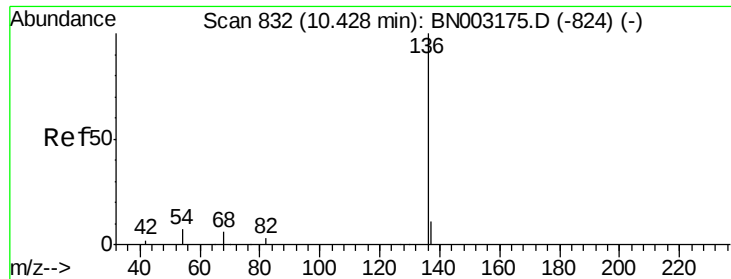


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.06 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

Tgt Ion: 136 Resp: 3233

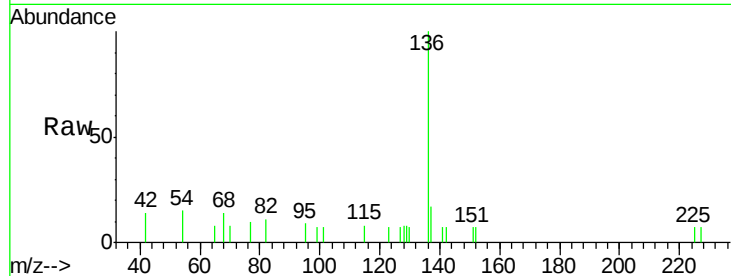
Ion Ratio Lower Upper

136 100

137 16.5 9.4 14.0#

54 14.9 7.4 11.0#

68 14.1 5.8 8.6#

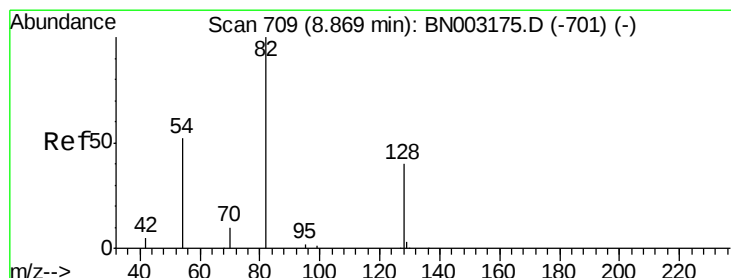
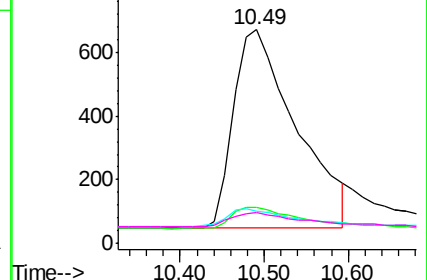
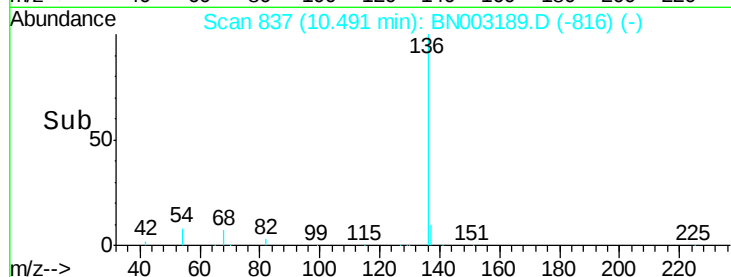


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.289 ng

RT: 9.00 min Scan# 719

Delta R.T. 0.13 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

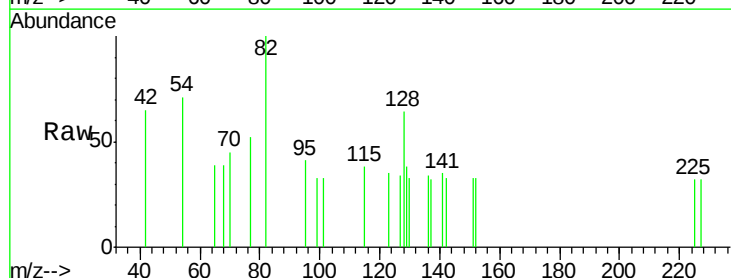
Tgt Ion: 82 Resp: 601

Ion Ratio Lower Upper

82 100

128 64.1 38.2 57.4#

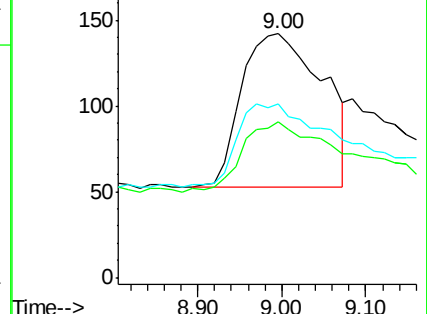
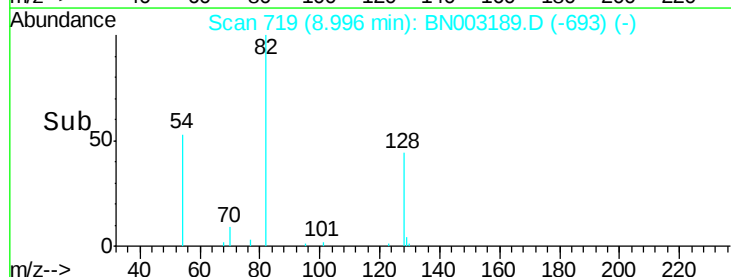
54 71.1 44.1 66.1#

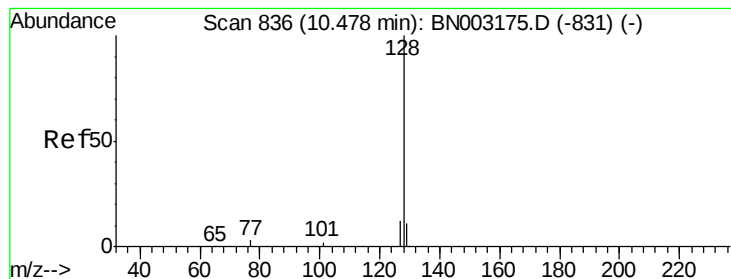


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.021 ng

RT: 10.54 min Scan# 841

Delta R.T. 0.06 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

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RE-109D1-20181005

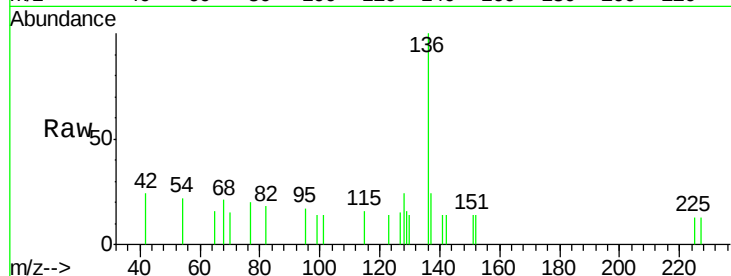
Tgt Ion:128 Resp: 171

Ion Ratio Lower Upper

128 100

129 66.7 9.8 14.6#

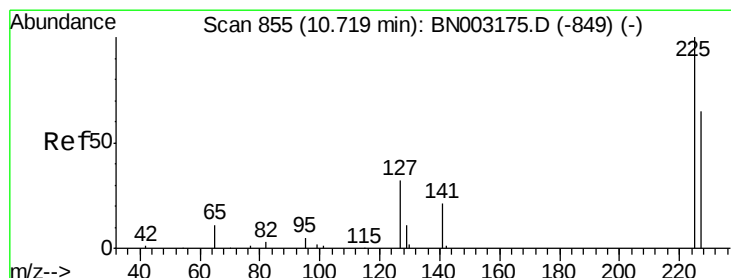
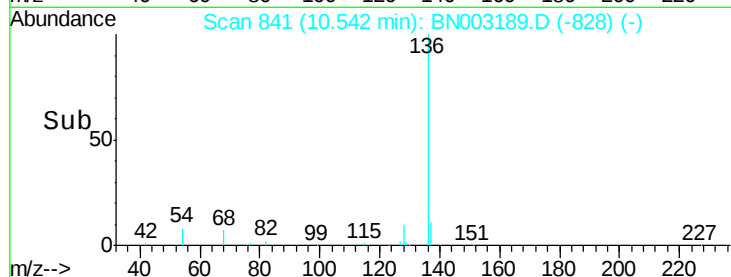
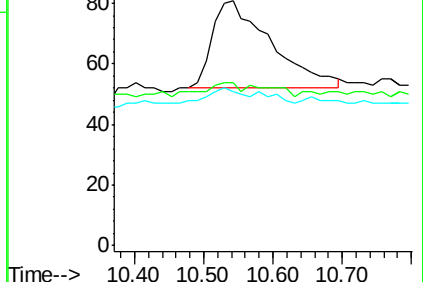
127 63.0 11.4 17.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.73 min Scan# 856

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

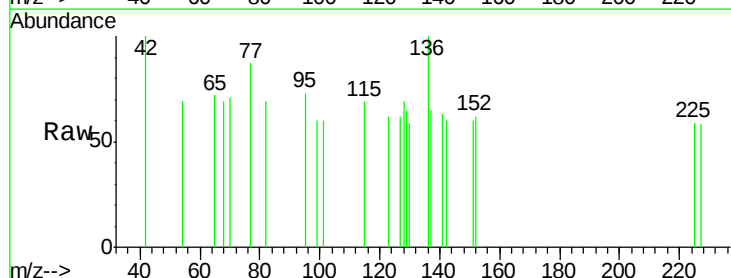
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

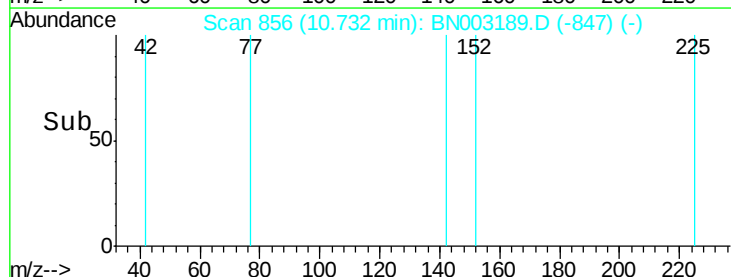
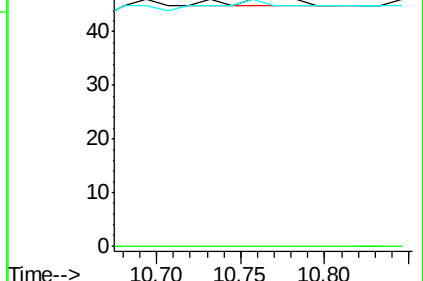
227 0.0 51.8 77.8#

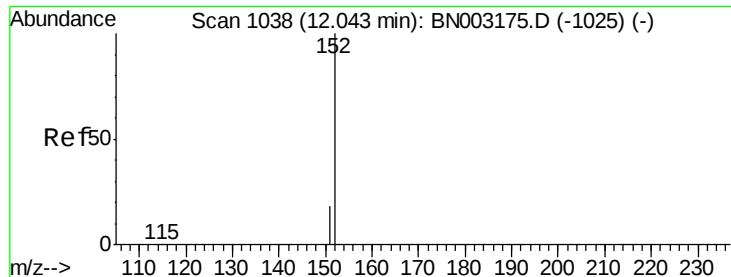


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

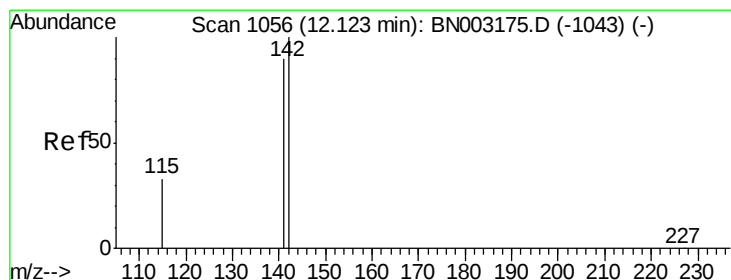
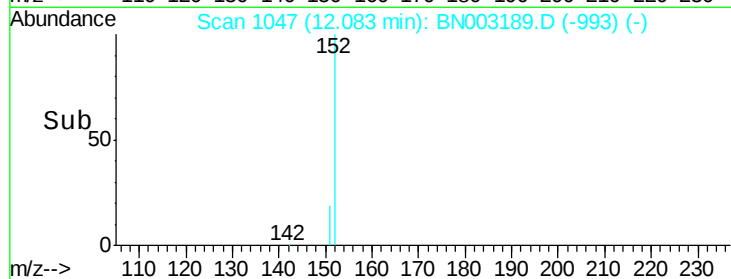
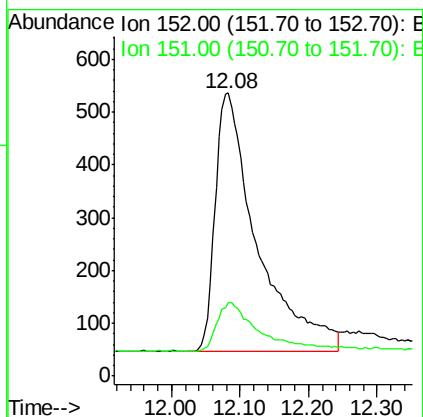
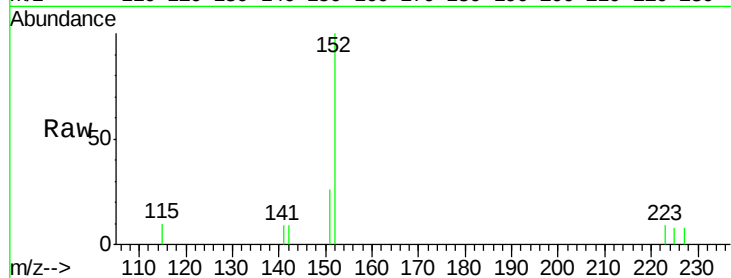




#11
 2-Methylnaphthalene-d10
 Concen: 0.381 ng
 RT: 12.08 min Scan# 1047
 Delta R.T. 0.04 min
 Lab File: BN003189.D
 Acq: 17 Oct 2018 20:38

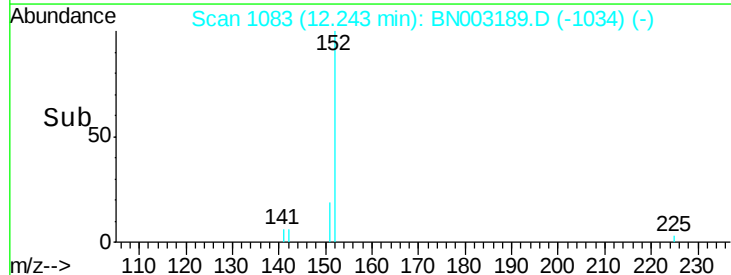
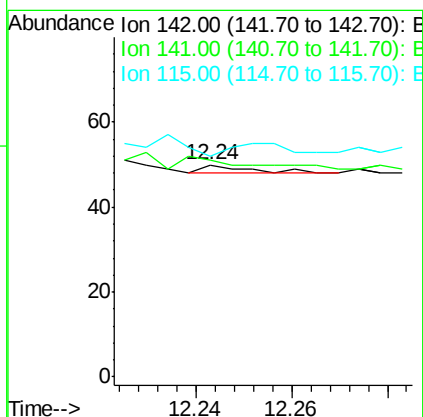
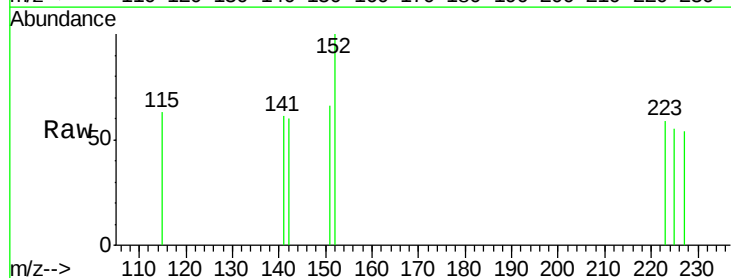
Instrument :
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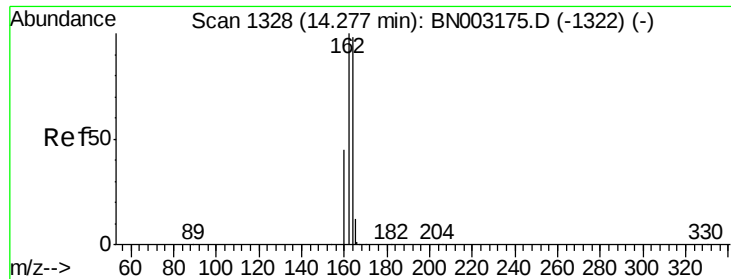
Tgt Ion:152 Resp: 2084
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.000 ng
 RT: 12.24 min Scan# 1083
 Delta R.T. 0.12 min
 Lab File: BN003189.D
 Acq: 17 Oct 2018 20:38

Tgt Ion:142 Resp: 1
 Ion Ratio Lower Upper
 142 100
 141 102.0 71.5 107.3
 115 104.0 28.1 42.1#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.28 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

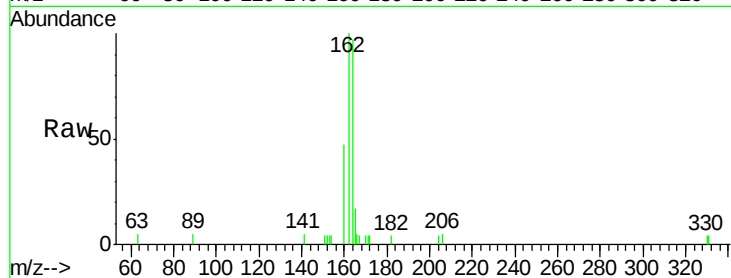
Tgt Ion:164 Resp: 2690

Ion Ratio Lower Upper

164 100

162 103.5 81.7 122.5

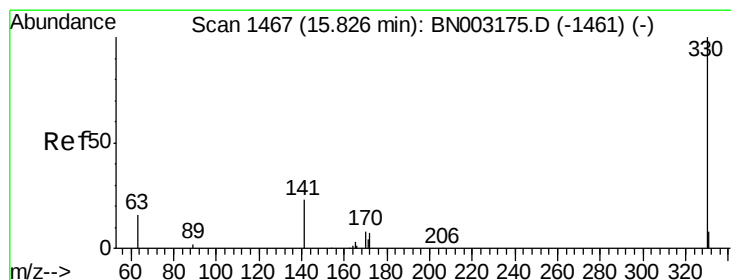
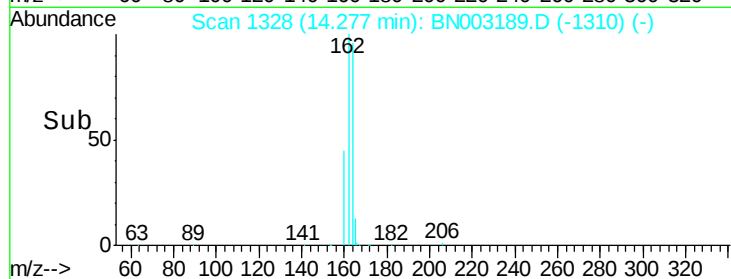
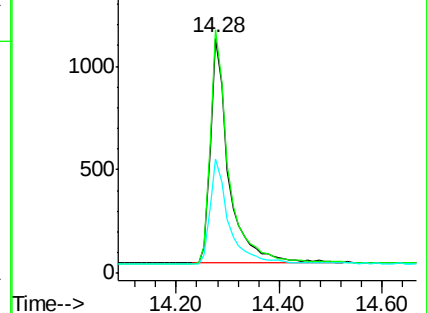
160 48.5 36.3 54.5



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: 0.369 ng

RT: 15.84 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

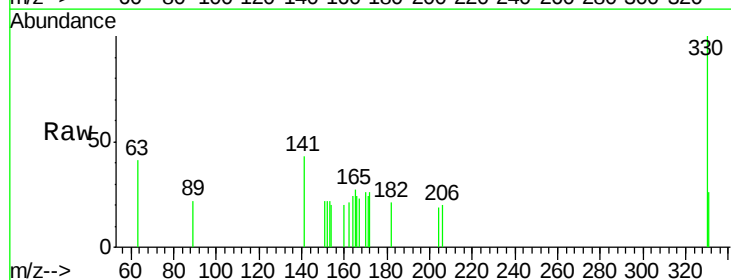
Tgt Ion:330 Resp: 633

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

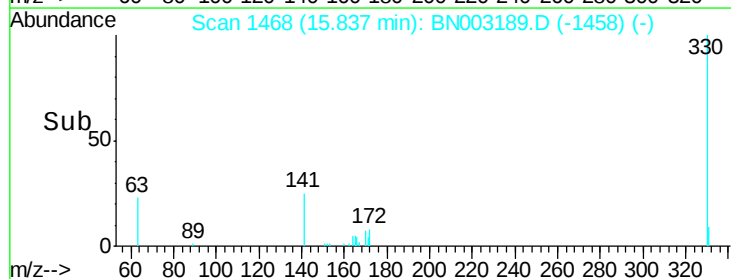
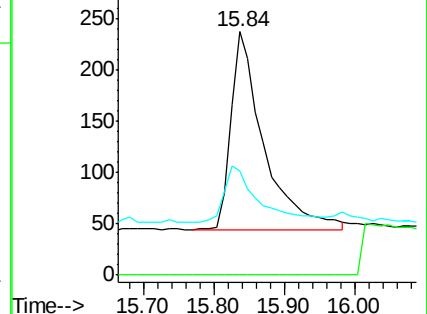
141 30.0 22.6 33.8

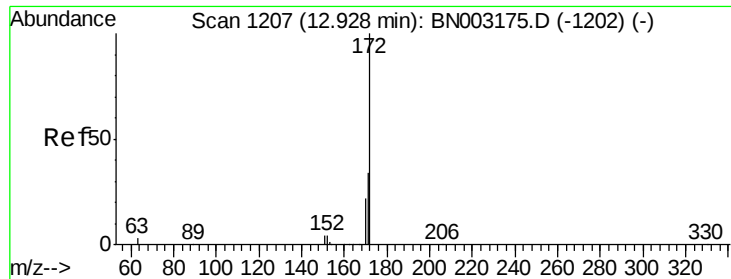


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

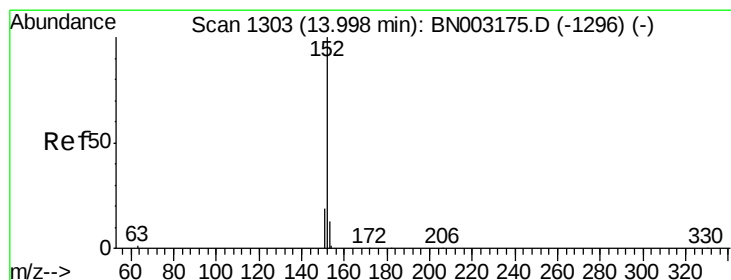
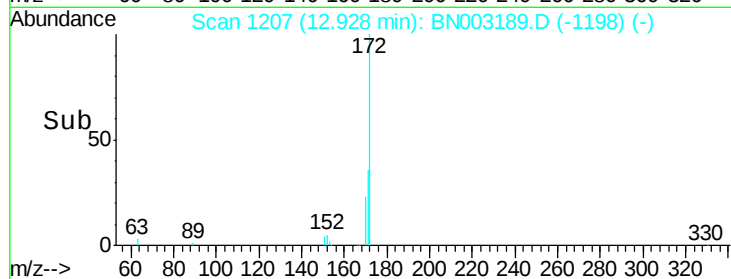
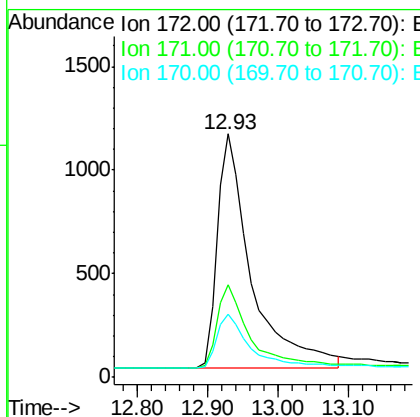
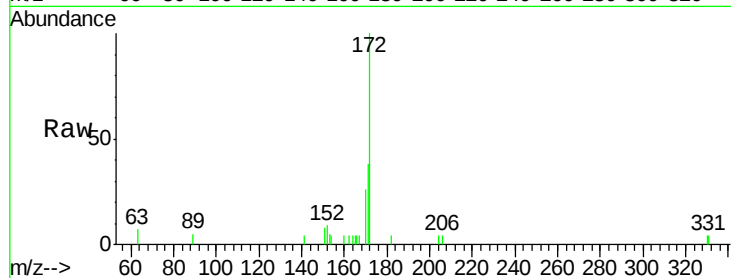




#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.93 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BN003189.D
Acq: 17 Oct 2018 20:38

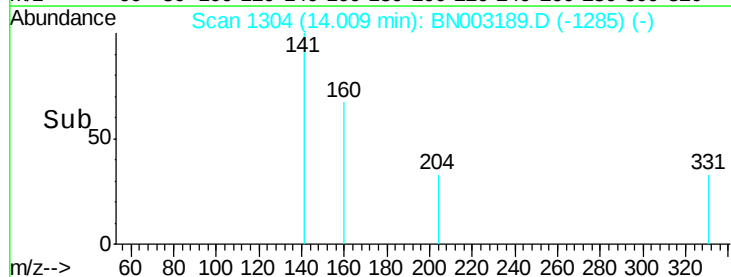
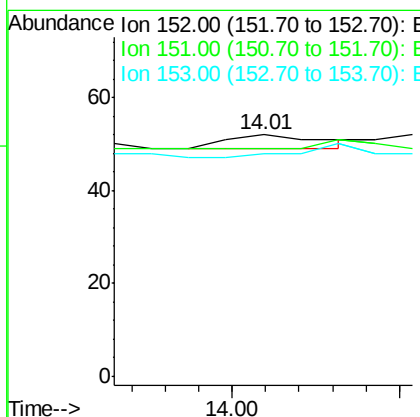
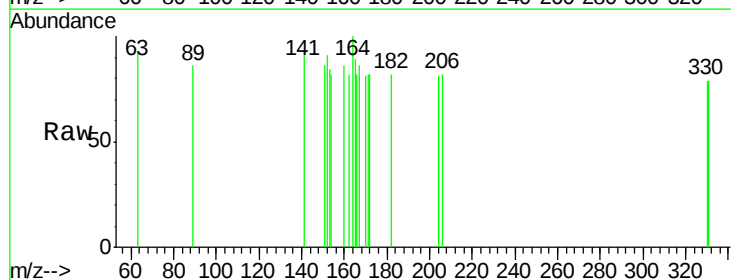
Instrument :
BNA_N
ClientSampleId :
RE-109D1-20181005

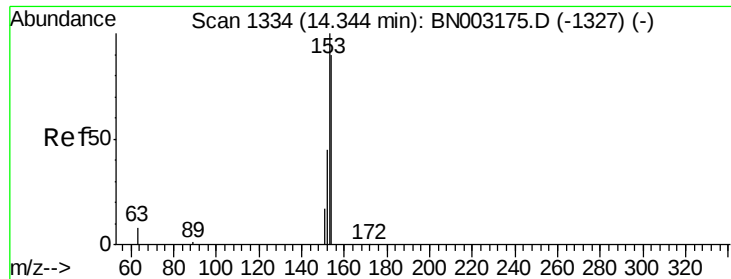
Tgt Ion:172 Resp: 3847
Ion Ratio Lower Upper
172 100
171 38.0 28.6 43.0
170 26.1 18.6 27.8



#16
Acenaphthylene
Concen: 0.000 ng
RT: 14.01 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BN003189.D
Acq: 17 Oct 2018 20:38

Tgt Ion:152 Resp: 6
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 0.0 10.6 16.0#





#17

Acenaphthene

Concen: 0.002 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

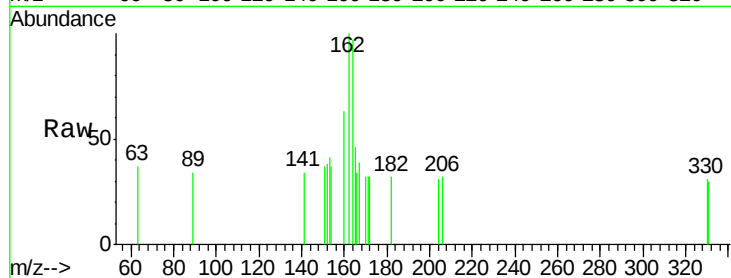
Tgt Ion:154 Resp: 16

Ion Ratio Lower Upper

154 100

153 193.8 91.0 136.4#

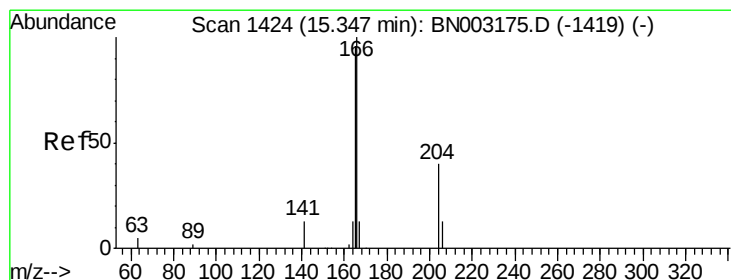
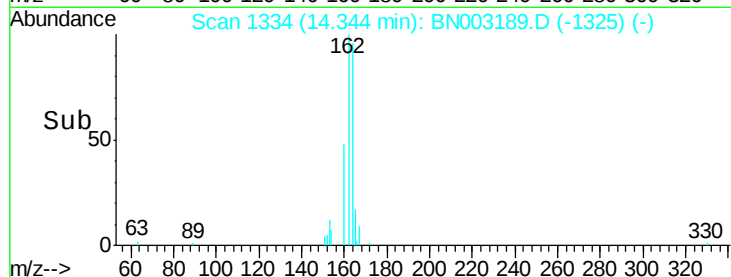
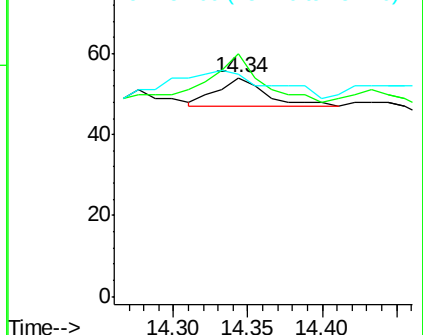
152 187.5 43.8 65.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.006 ng

RT: 15.40 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

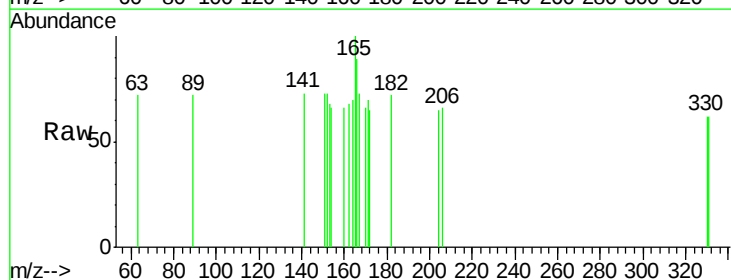
Tgt Ion:166 Resp: 59

Ion Ratio Lower Upper

166 100

165 100.0 78.2 117.2

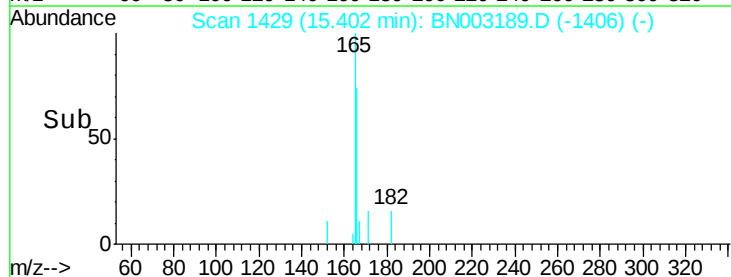
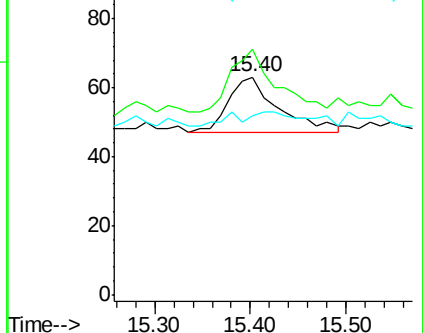
167 15.3 10.7 16.1

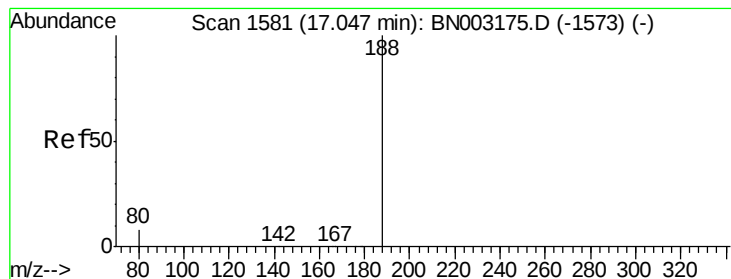


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

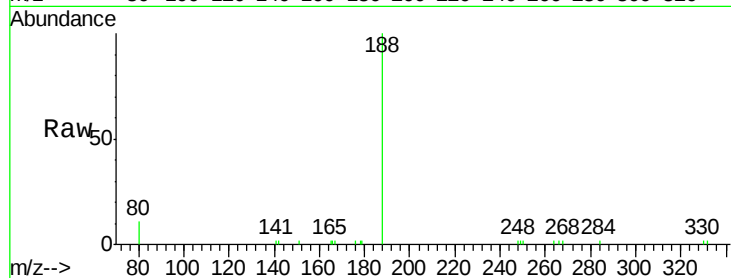
Tgt Ion:188 Resp: 7122

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

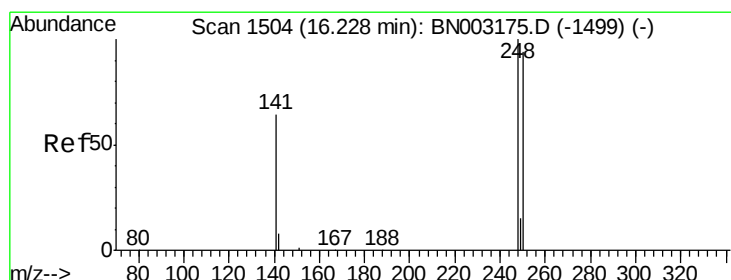
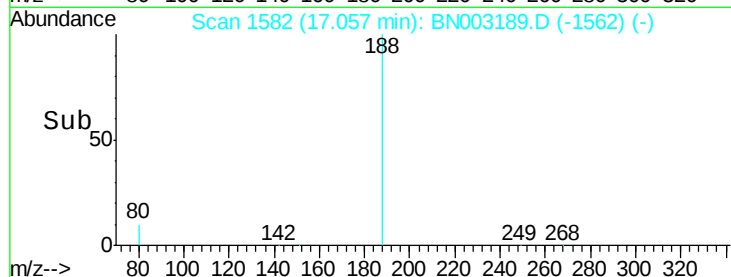
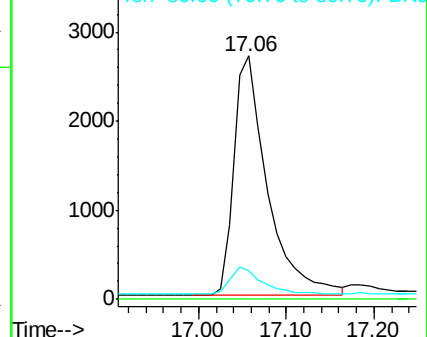
80 11.5 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.000 ng

RT: 16.25 min Scan# 1506

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

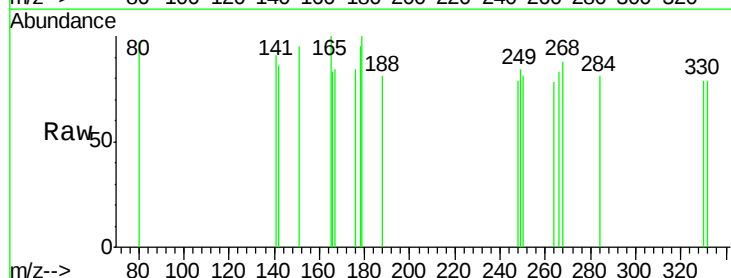
Tgt Ion:248 Resp: 1

Ion Ratio Lower Upper

248 100

250 102.2 78.9 118.3

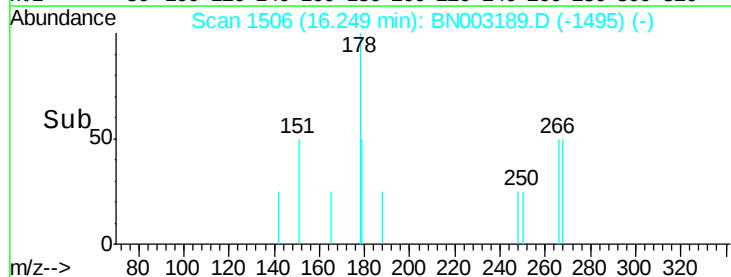
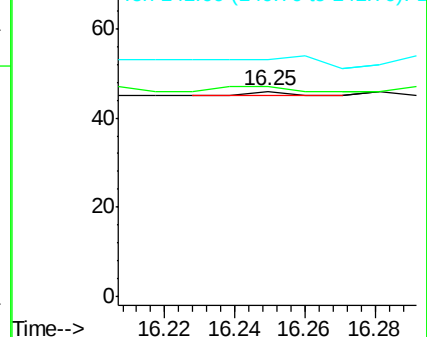
141 115.2 48.5 72.7#

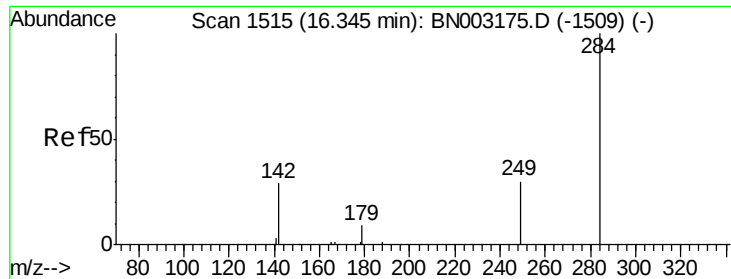


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.37 min Scan# 1517

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

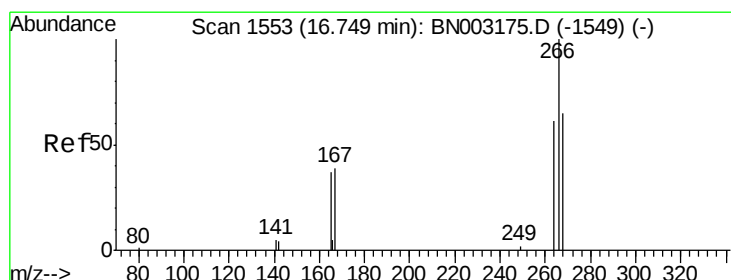
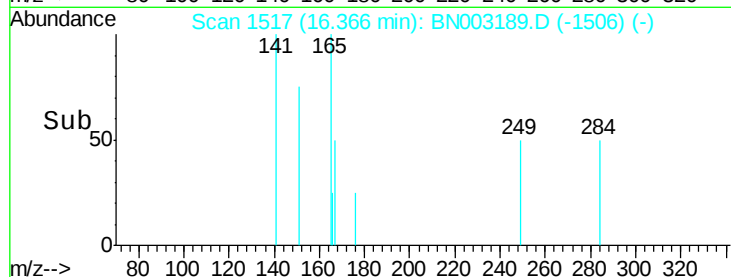
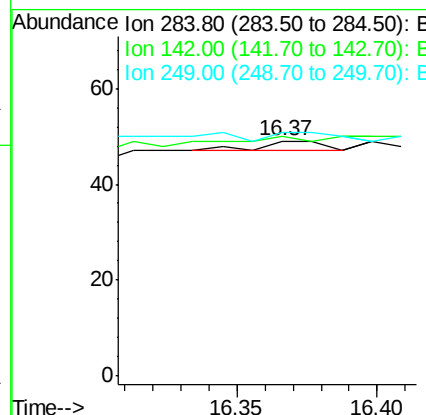
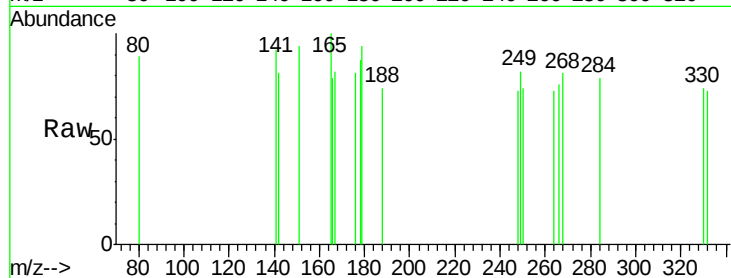
Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

Tgt Ion:	284	Resp:	3
Ion	Ratio	Lower	Upper
284	100		
142	66.7	24.6	37.0#
249	100.0	22.3	33.5#



#22

Pentachlorophenol

Concen: 0.086 ng

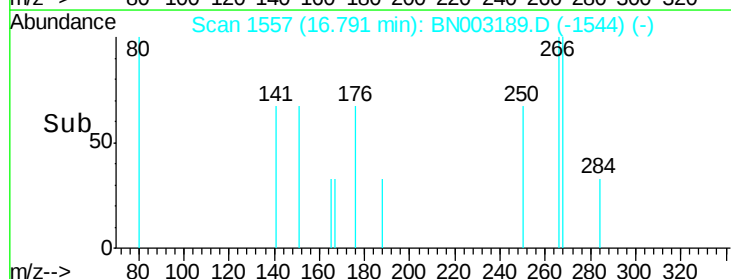
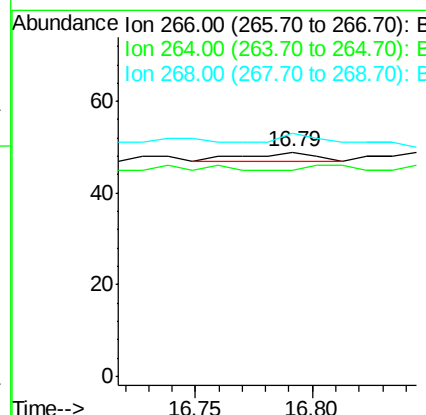
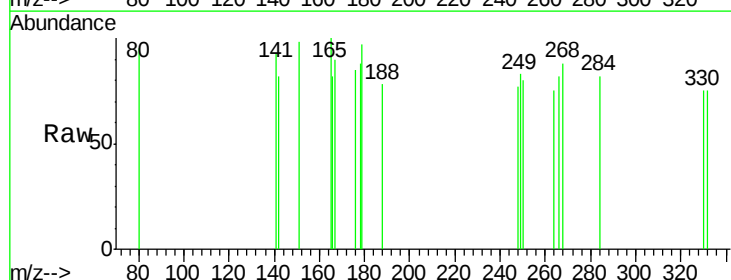
RT: 16.79 min Scan# 1557

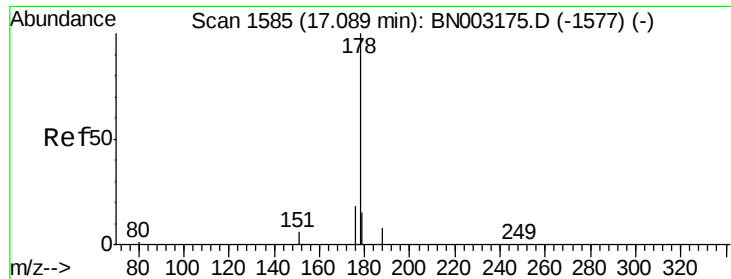
Delta R.T. 0.04 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	91.8	55.0	82.4#
268	108.2	60.6	91.0#





#23

Phenanthrene

Concen: 0.011 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

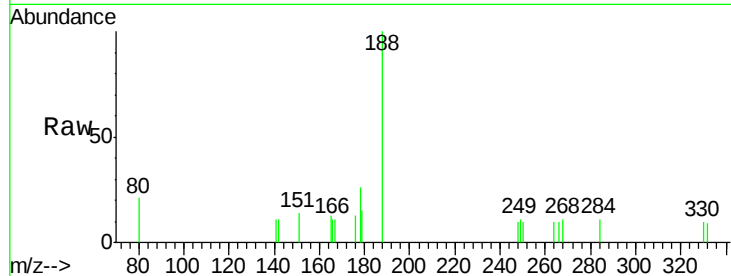
Tgt Ion:178 Resp: 200

Ion Ratio Lower Upper

178 100

176 23.5 14.9 22.3#

179 19.5 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

17.10

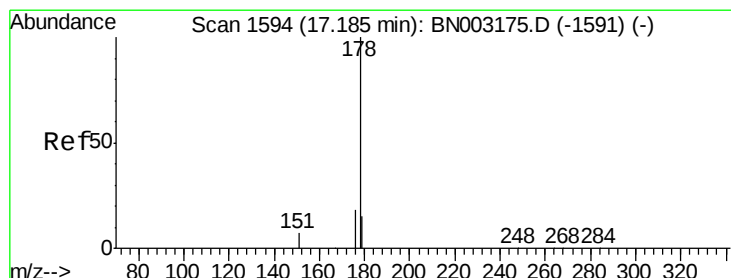
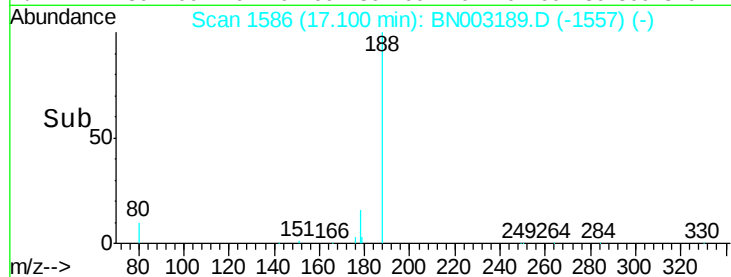
100

50

0

17.00 17.10 17.20

Time-->



#24

Anthracene

Concen: 0.002 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.04 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

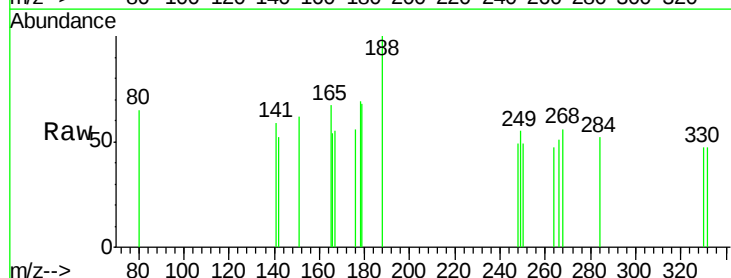
Tgt Ion:178 Resp: 26

Ion Ratio Lower Upper

178 100

176 15.4 14.6 22.0

179 76.9 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.23

100

80

60

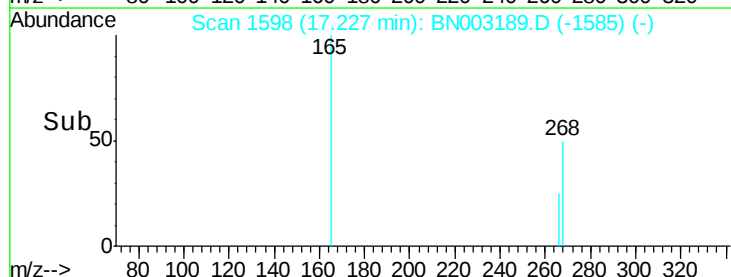
40

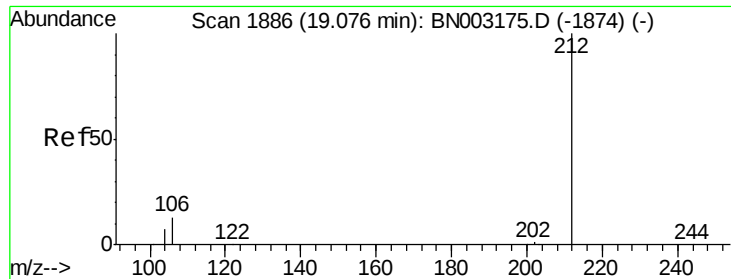
20

0

17.15 17.20 17.25 17.30

Time-->





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.08 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

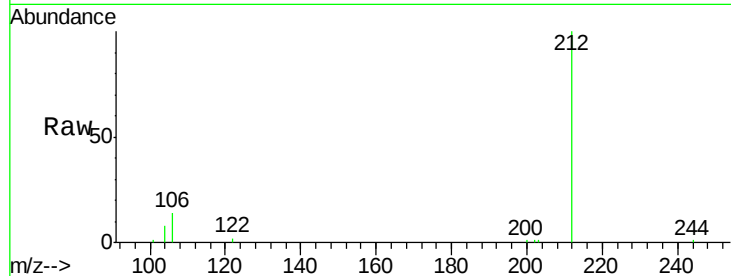
Tgt Ion:212 Resp: 9048

Ion Ratio Lower Upper

212 100

106 13.2 10.2 15.4

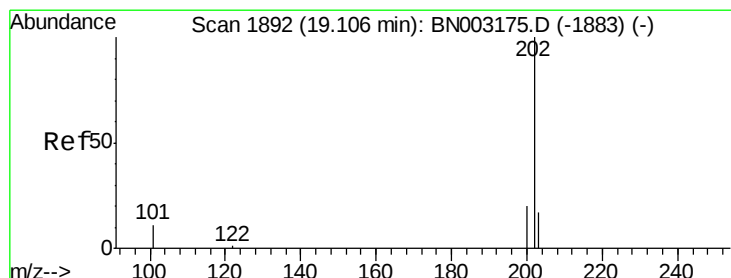
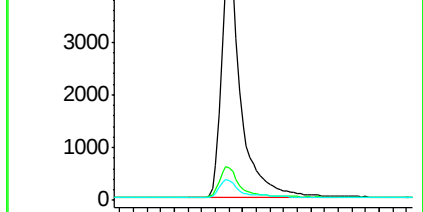
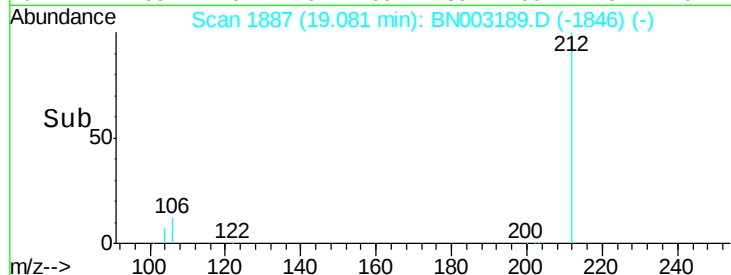
104 6.8 5.8 8.6



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: 19.12 min Scan# 1894

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

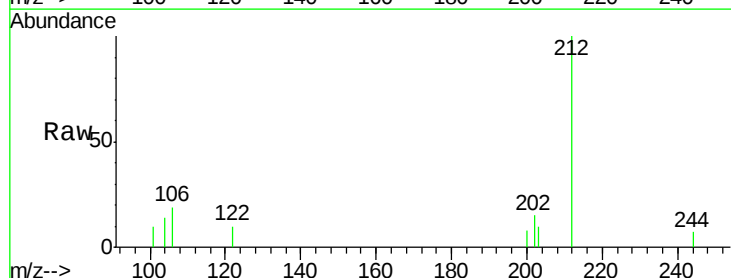
Tgt Ion:202 Resp: 102

Ion Ratio Lower Upper

202 100

101 0.0 8.6 12.8#

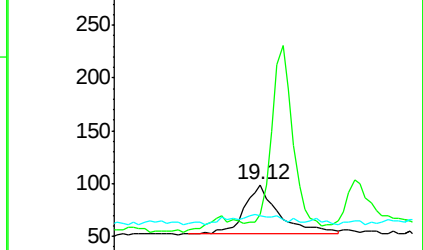
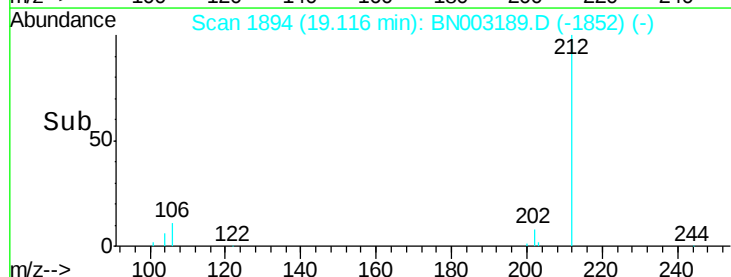
203 15.7 13.7 20.5

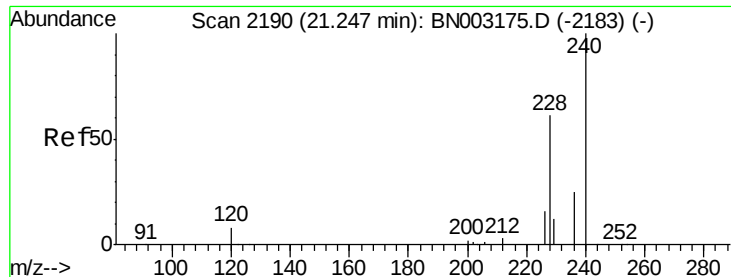


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

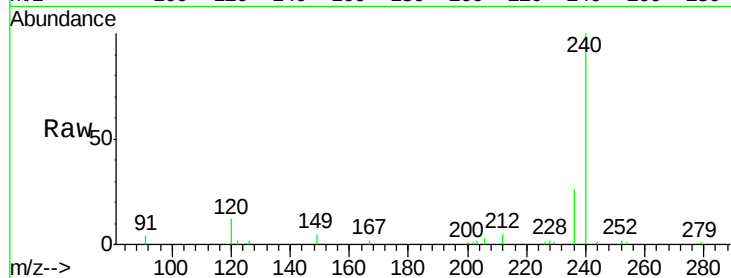
Tgt Ion:240 Resp: 10388

Ion Ratio Lower Upper

240 100

120 12.1 7.8 11.8#

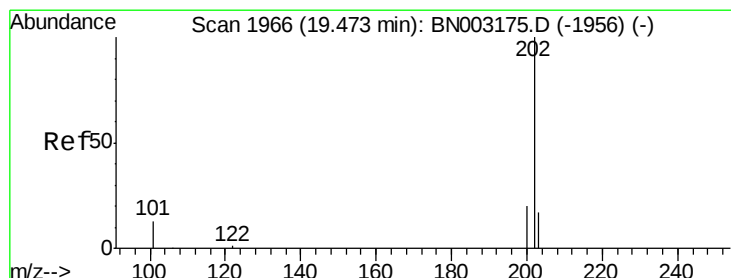
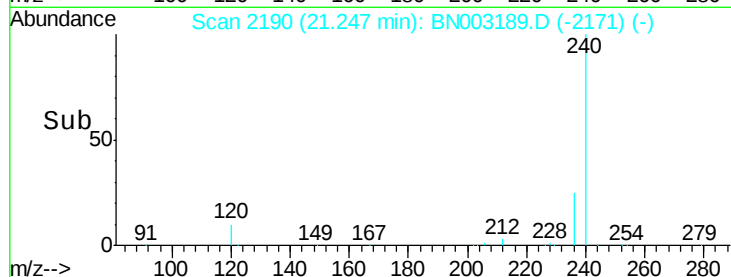
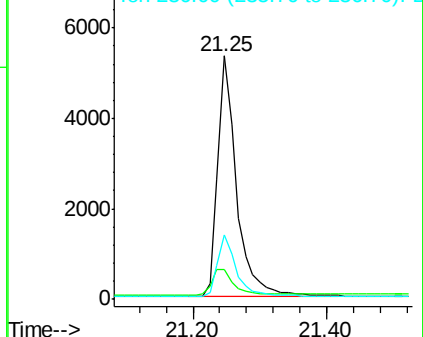
236 26.3 21.0 31.4



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: 0.003 ng

RT: 19.49 min Scan# 1970

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

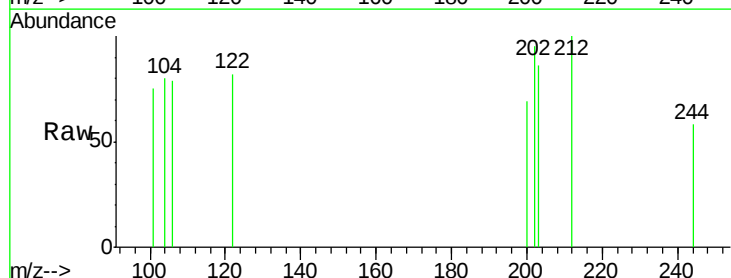
Tgt Ion:202 Resp: 95

Ion Ratio Lower Upper

202 100

200 23.2 16.3 24.5

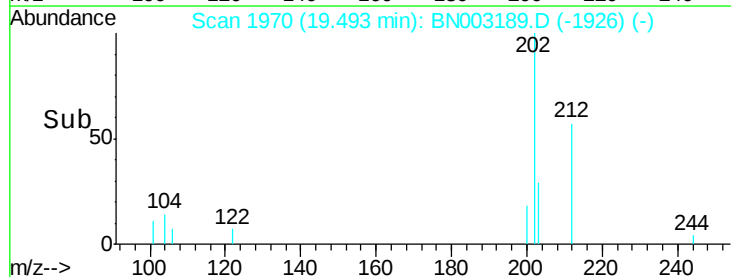
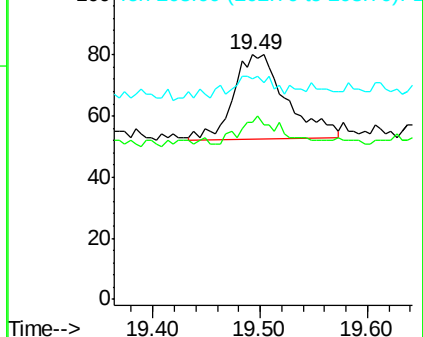
203 15.8 14.2 21.2

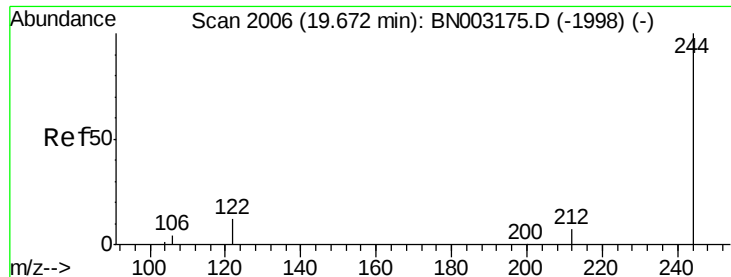


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.66 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

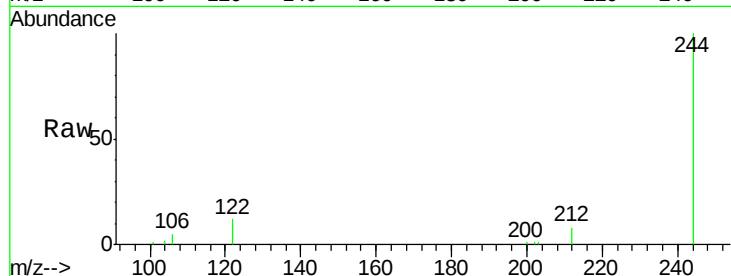
Tgt Ion:244 Resp: 8505

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

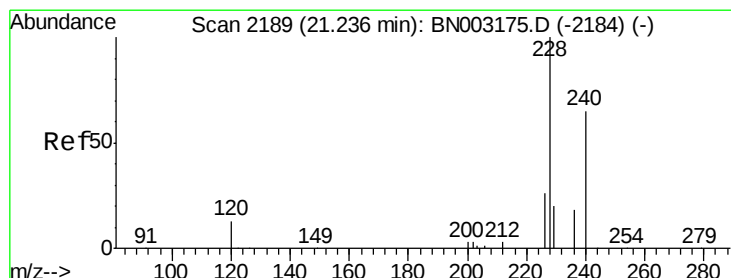
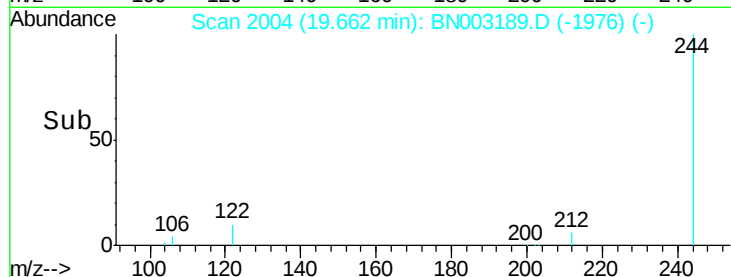
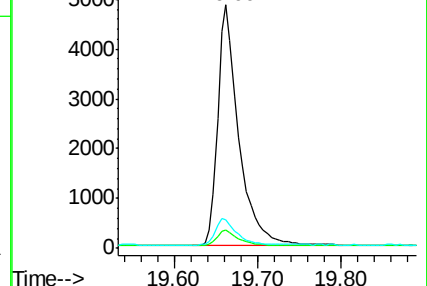
122 11.8 9.1 13.7



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: 0.008 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.05 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

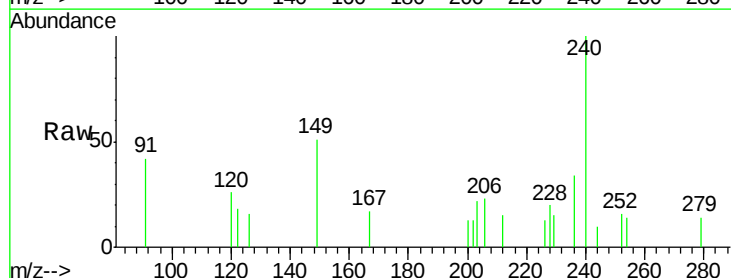
Tgt Ion:228 Resp: 226

Ion Ratio Lower Upper

228 100

226 66.1 21.4 32.2#

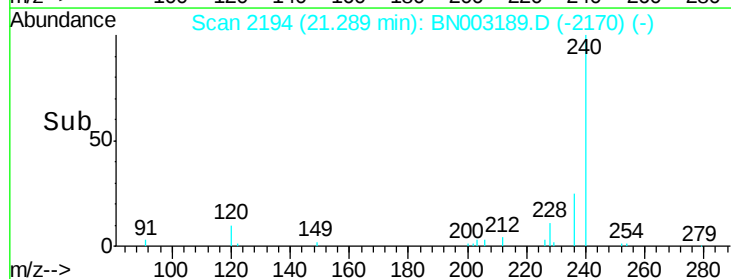
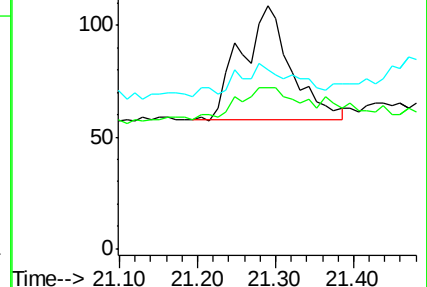
229 73.4 16.4 24.6#

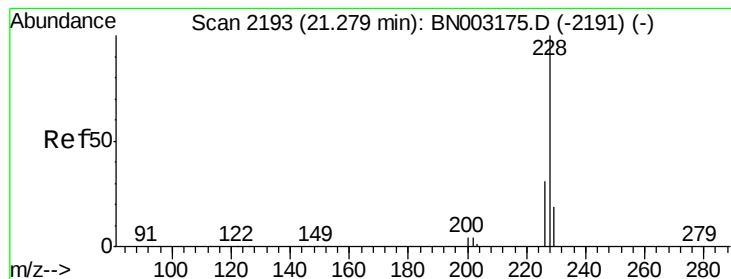


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.007 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

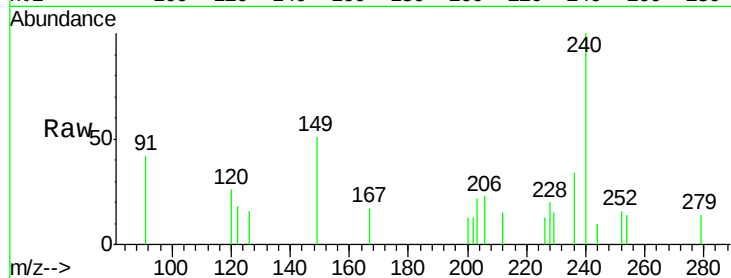
Tgt Ion:228 Resp: 232

Ion Ratio Lower Upper

228 100

226 66.1 23.1 34.7#

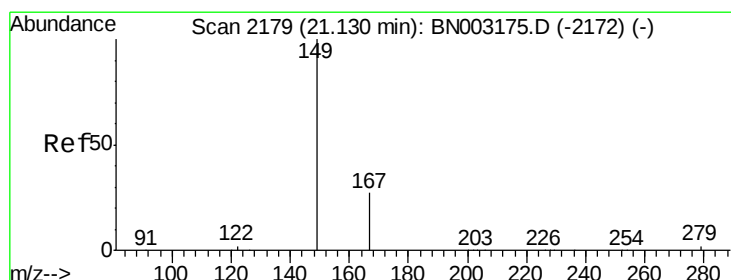
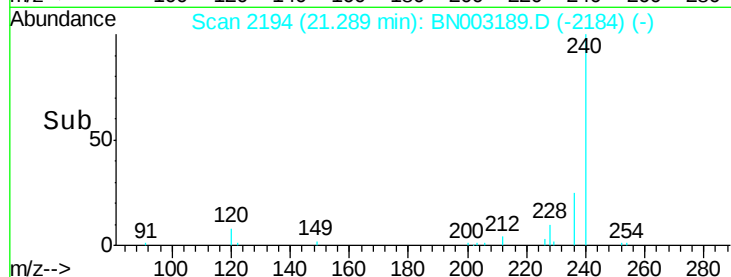
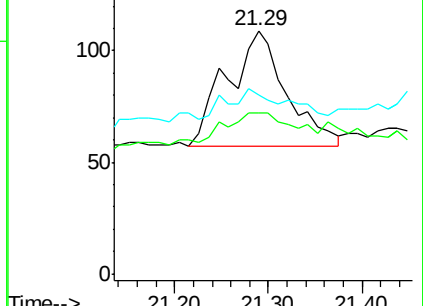
229 73.4 15.9 23.9#



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: 0.168 ng

RT: 21.12 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

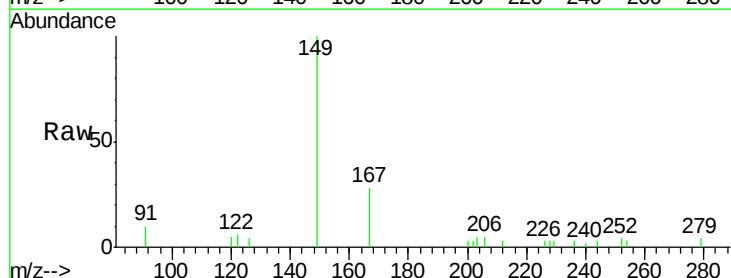
Tgt Ion:149 Resp: 2734

Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.4

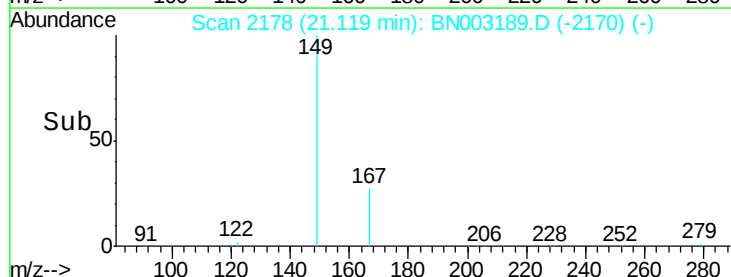
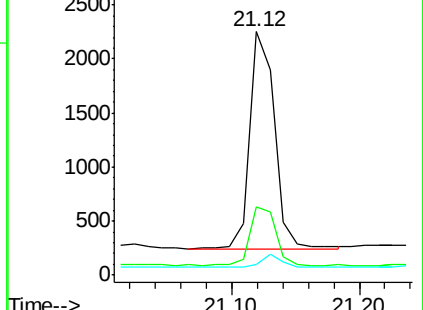
279 5.3 3.7 5.5

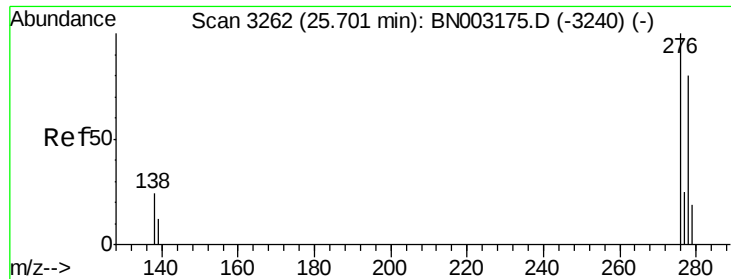


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.000 ng

RT: 25.72 min Scan# 3267

Delta R.T. 0.02 min

Lab File: BN003189.D

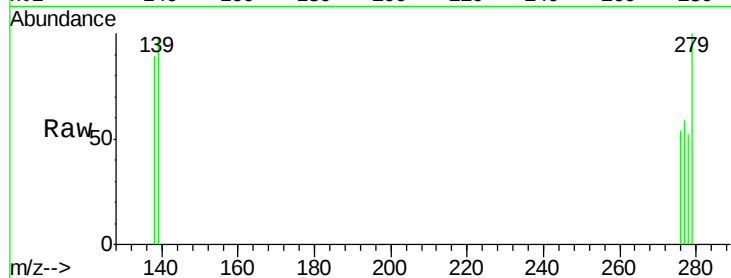
Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005



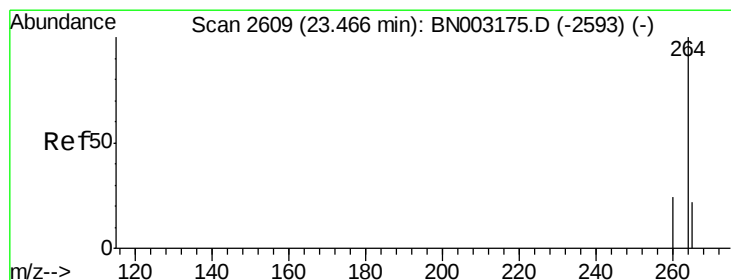
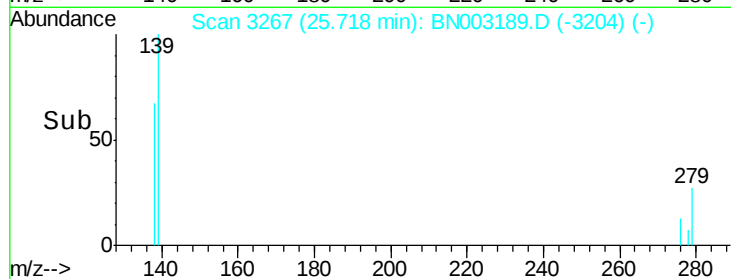
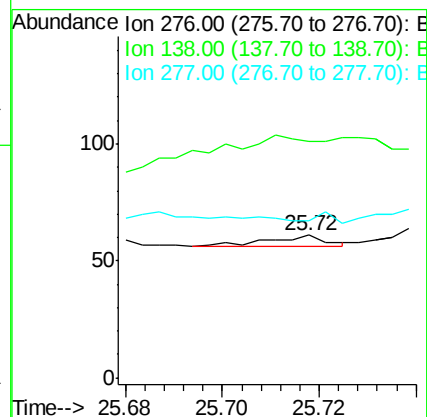
Tgt Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

138 440.0 18.2 27.4#

277 20.0 20.2 30.4#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.46 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

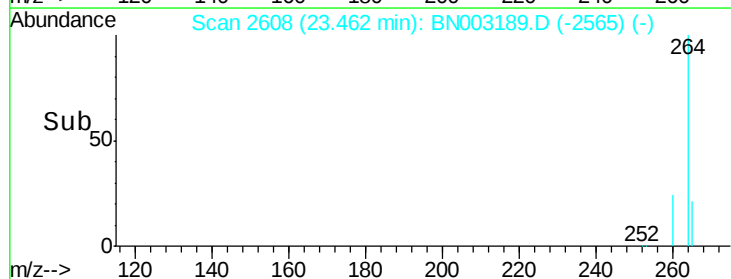
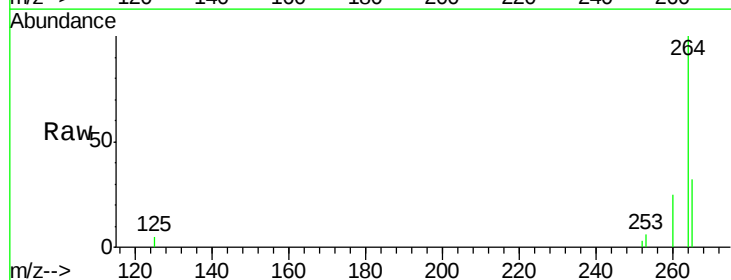
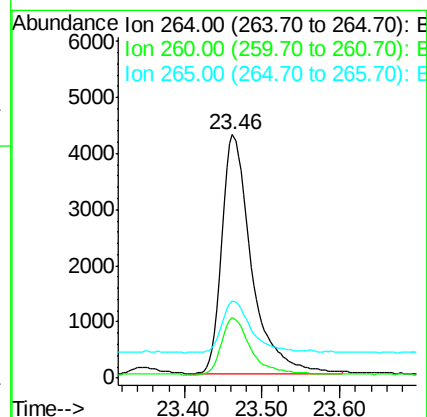
Tgt Ion: 264 Resp: 11257

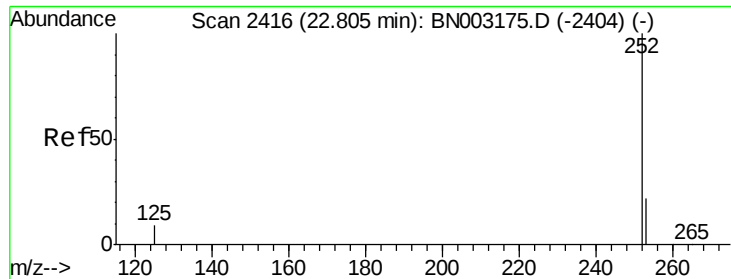
Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

265 31.6 27.6 41.4





#35

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 22.82 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

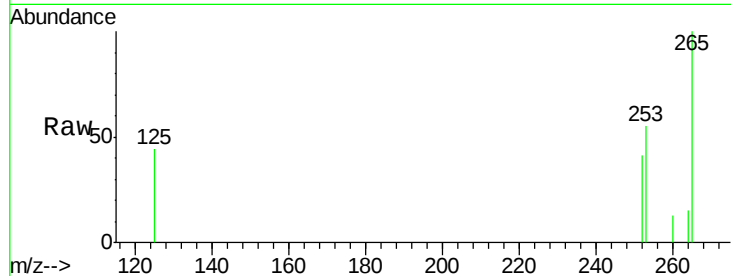
Tgt Ion:252 Resp: 130

Ion Ratio Lower Upper

252 100

253 132.6 20.8 31.2#

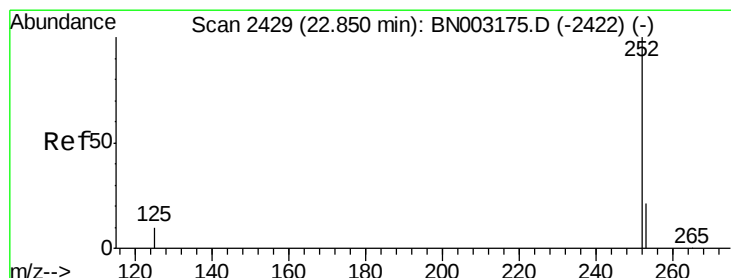
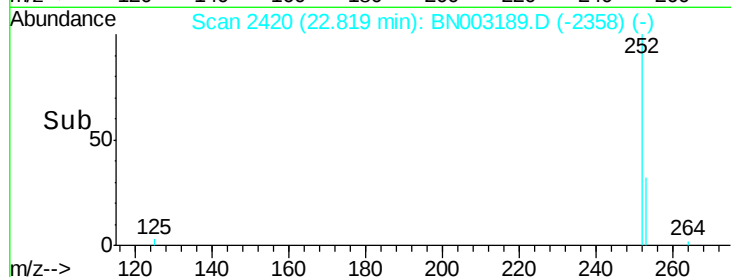
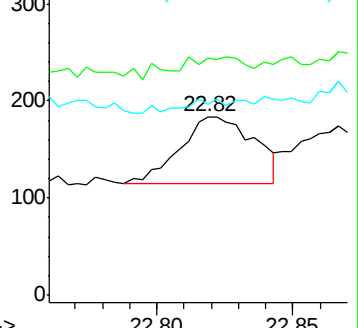
125 107.1 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.87 min Scan# 2434

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

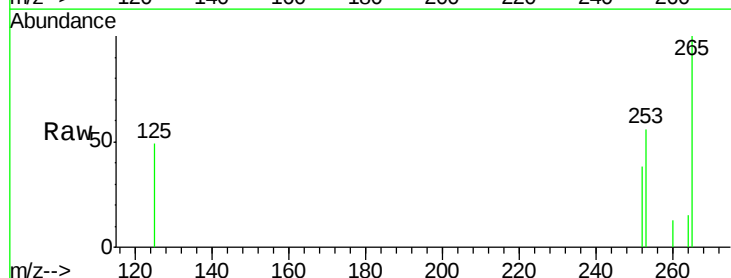
Tgt Ion:252 Resp: 103

Ion Ratio Lower Upper

252 100

253 144.3 20.5 30.7#

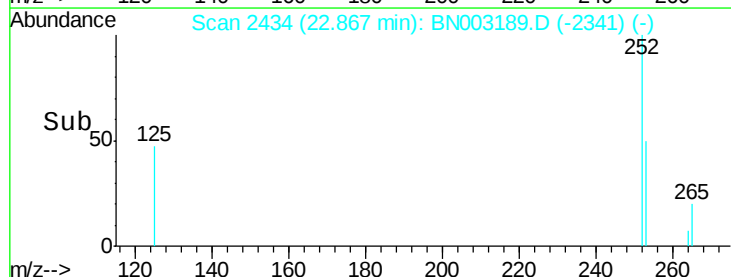
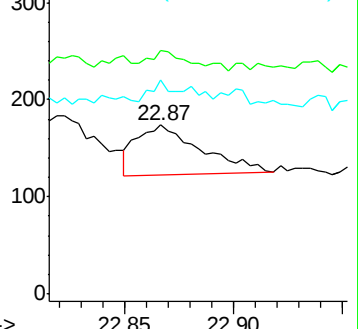
125 126.4 9.4 14.0#

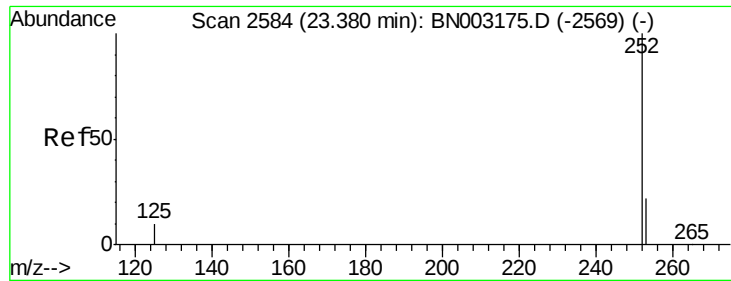


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.40 min Scan# 2589

Delta R.T. 0.02 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005

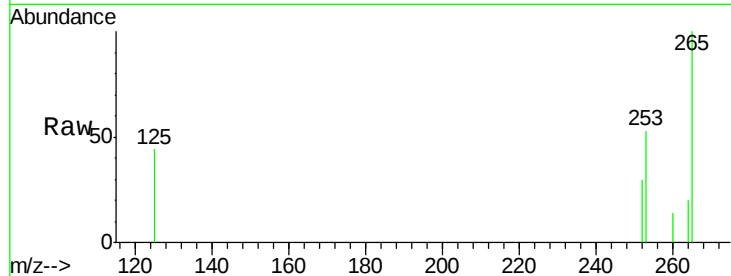
Tgt Ion: 252 Resp: 28

Ion Ratio Lower Upper

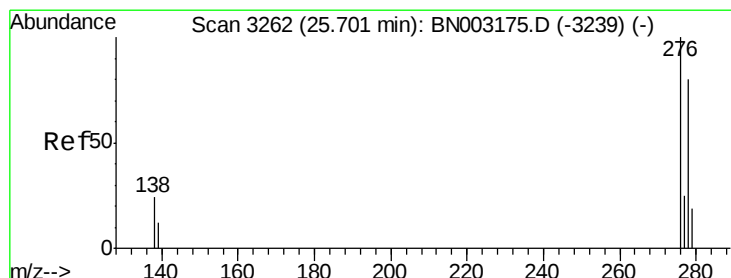
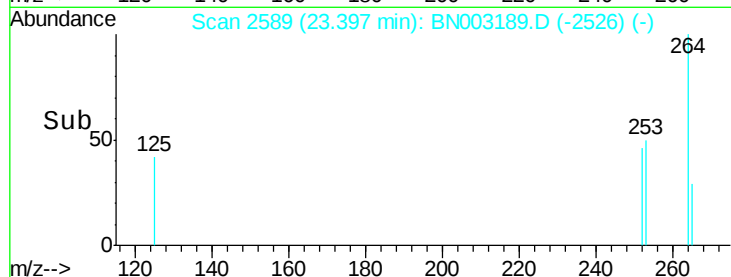
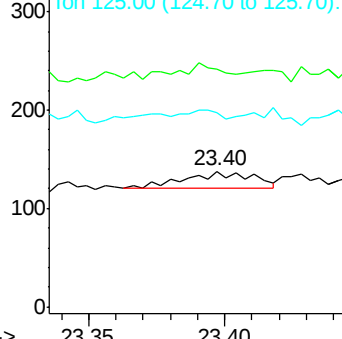
252 100

253 174.6 22.4 33.6#

125 143.5 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: 0.000 ng

RT: 25.69 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BN003189.D

Acq: 17 Oct 2018 20:38

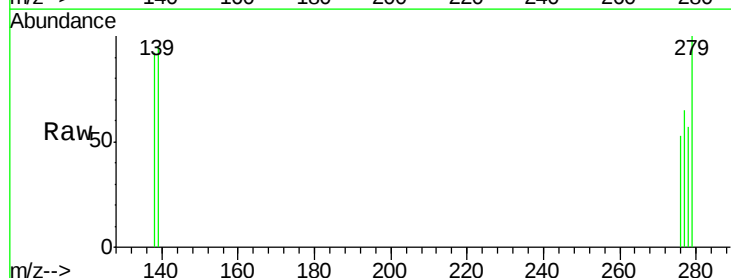
Tgt Ion: 278 Resp: 2

Ion Ratio Lower Upper

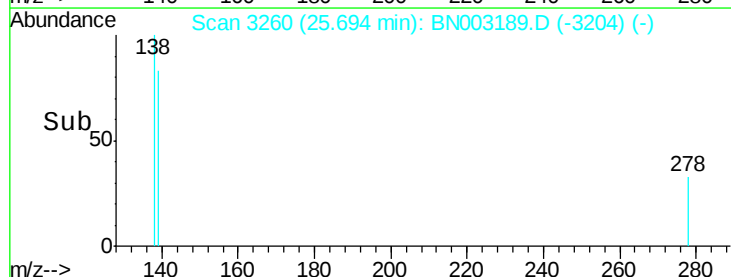
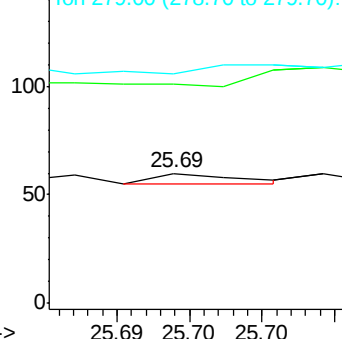
278 100

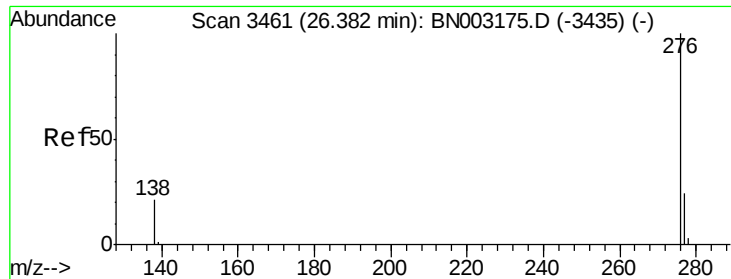
139 168.3 14.6 21.8#

279 176.7 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: 0.000 ng

RT: 26.38 min Scan# 3460

Delta R.T. -0.00 min

Lab File: BN003189.D

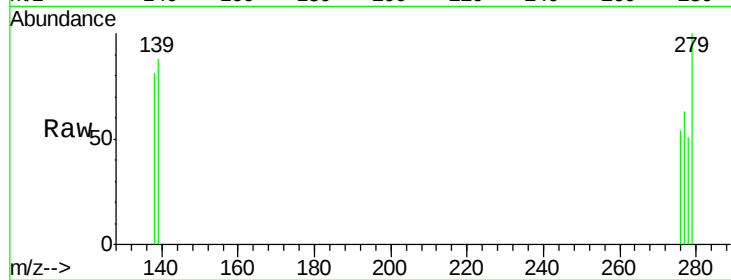
Acq: 17 Oct 2018 20:38

Instrument :

BNA_N

ClientSampleId :

RE-109D1-20181005



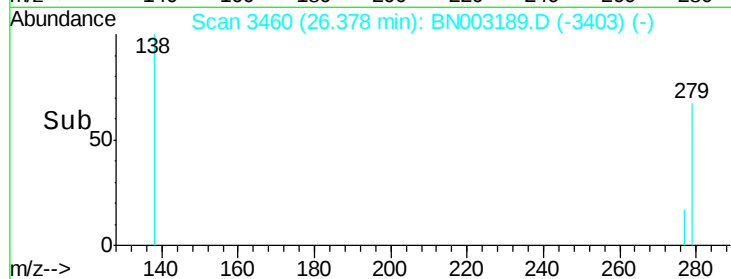
Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

277 116.7 21.0 31.4#

138 151.7 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

120

100

80

60

40

20

0

26.37 26.38 26.39

Time-->