

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122018\
 Data File : BN004153.D
 Acq On : 20 Dec 2018 16:48
 Operator : JU/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 17:20:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN122018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 20 16:25:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1926	0.40	ng	0.00
7) Naphthalene-d8	10.62	136	10046	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	6446	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	15653	0.40	ng	-0.01
27) Chrysene-d12	21.41	240	16680	0.40	ng	0.00
34) Perylene-d12	23.73	264	14842	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	17021	3.57	ng	0.00
5) Phenol-d6	6.99	99	24829	4.12	ng	0.00
8) Nitrobenzene-d5	9.00	82	22674	5.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	55076	3.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	13342	5.20	ng	-0.01
15) 2-Fluorobiphenyl	13.08	172	77734	2.80	ng	0.00
25) Fluoranthene-d10	19.24	212	154203	3.39	ng	0.00
29) Terphenyl-d14	19.83	244	130388	3.36	ng	0.00

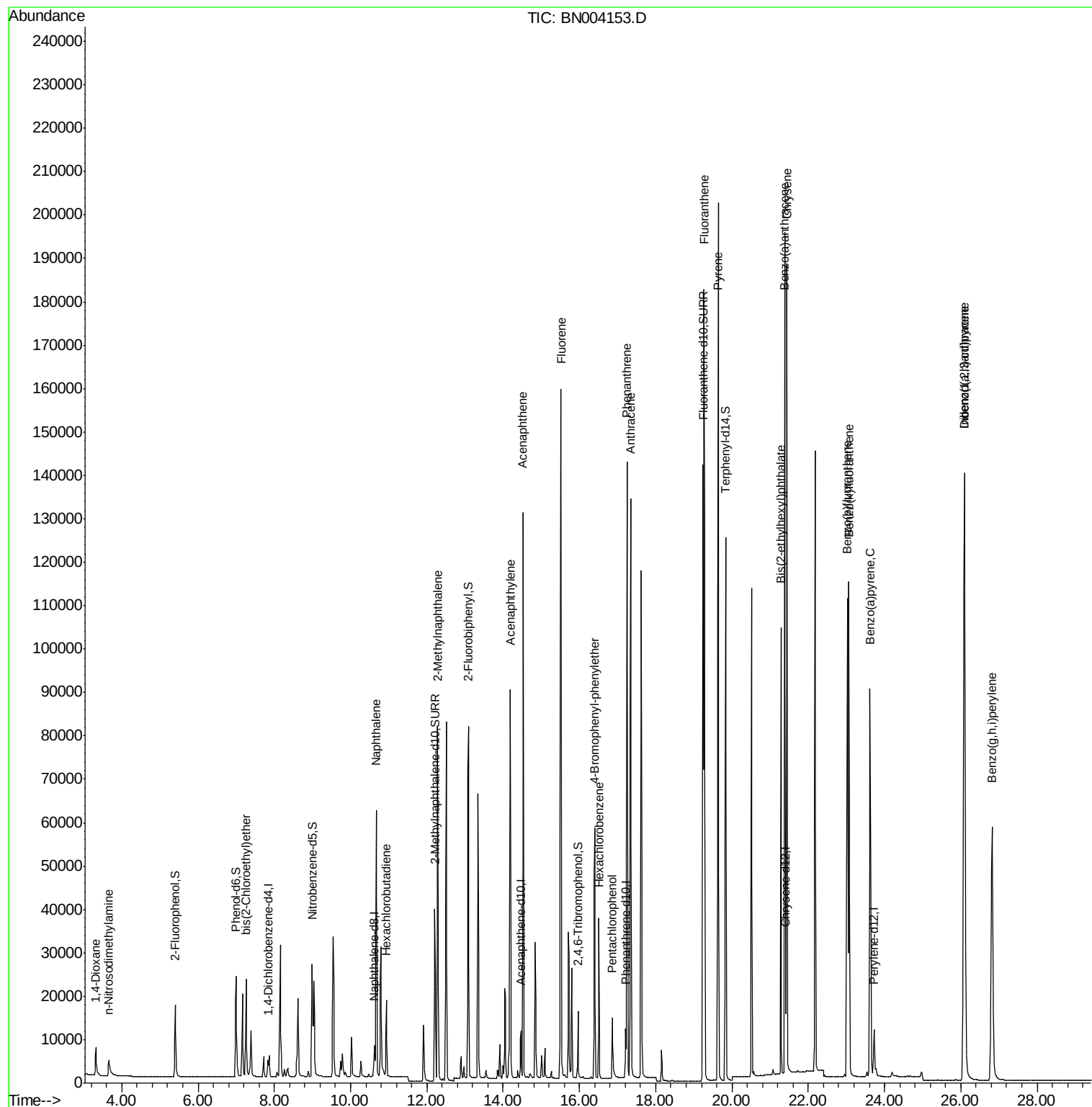
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	5714	2.291	ng	95
3) n-Nitrosodimethylamine	3.66	42	3945	3.437	ng	# 82
6) bis(2-Chloroethyl)ether	7.26	93	19128	3.559	ng	99
9) Naphthalene	10.67	128	80603	3.279	ng	99
10) Hexachlorobutadiene	10.93	225	13540	3.016	ng	# 100
12) 2-Methylnaphthalene	12.28	142	59109	3.441	ng	99
16) Acenaphthylene	14.19	152	104377	3.632	ng	100
17) Acenaphthene	14.52	154	64626	3.245	ng	98
18) Fluorene	15.51	166	83167	3.337	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	29840	3.291	ng	# 93
21) Hexachlorobenzene	16.52	284	31932	3.340	ng	95
22) Pentachlorophenol	16.87	266	8373	3.232	ng	99
23) Phenanthrene	17.25	178	141775	3.302	ng	100
24) Anthracene	17.34	178	136214	3.698	ng	100
26) Fluoranthene	19.27	202	168179	3.410	ng	98
28) Pyrene	19.64	202	171265	3.714	ng	100
30) Benzo(a)anthracene	21.39	228	152029	3.478	ng	99
31) Chrysene	21.44	228	152940	3.244	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	94722	7.323	ng	100
33) Indeno(1,2,3-cd)pyrene	26.09	276	159172	3.261	ng	99
35) Benzo(b)fluoranthene	23.02	252	144624	3.123	ng	# 93
36) Benzo(k)fluoranthene	23.07	252	145531	3.173	ng	98
37) Benzo(a)pyrene	23.62	252	133683	3.172	ng	# 89
38) Dibenzo(a,h)anthracene	26.10	278	133454	3.398	ng	98
39) Benzo(g,h,i)perylene	26.82	276	129842	3.306	ng	98

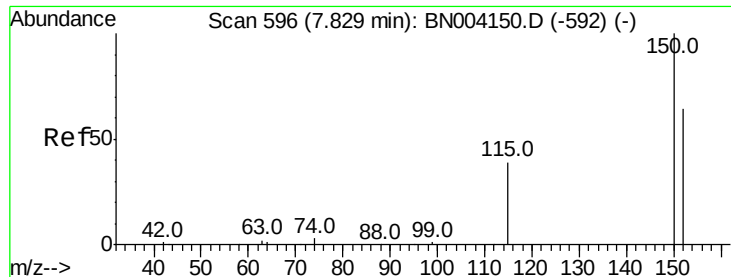
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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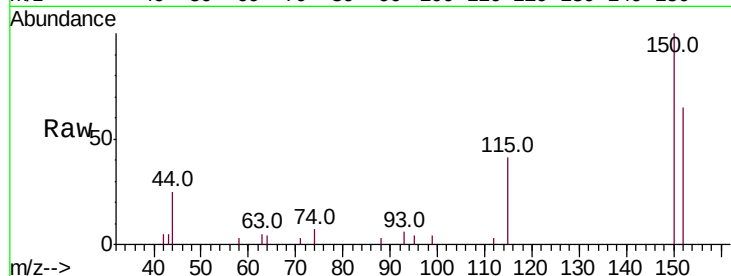


#1

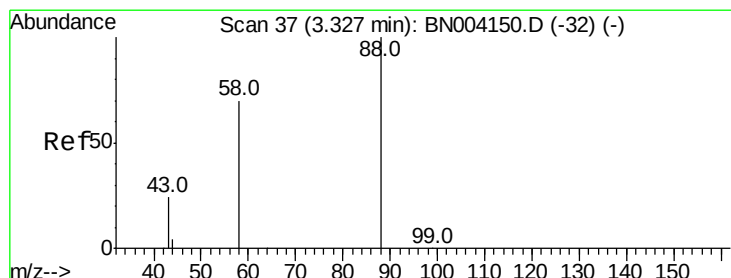
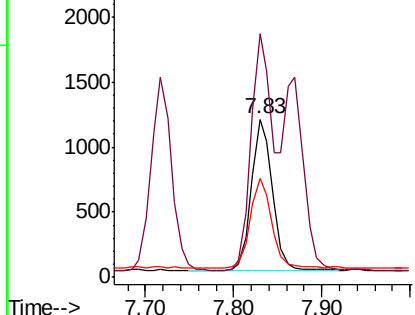
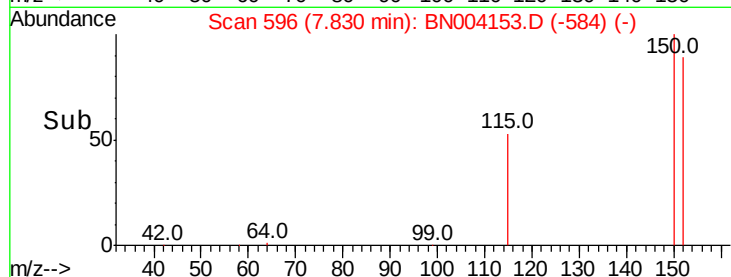
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 596
Delta R.T. 0.00 min
Lab File: BN004153.D
Acq: 20 Dec 2018 16:48

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 1926
Ion Ratio Lower Upper
152 100
150 154.2 124.6 187.0
115 63.1 46.4 69.6



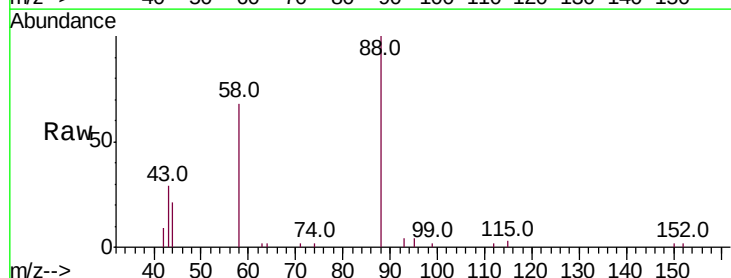
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



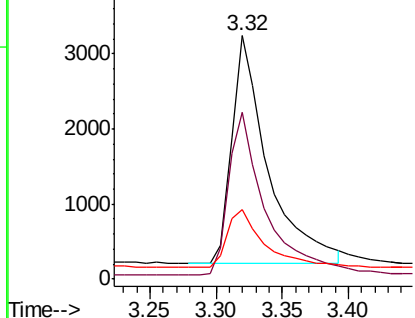
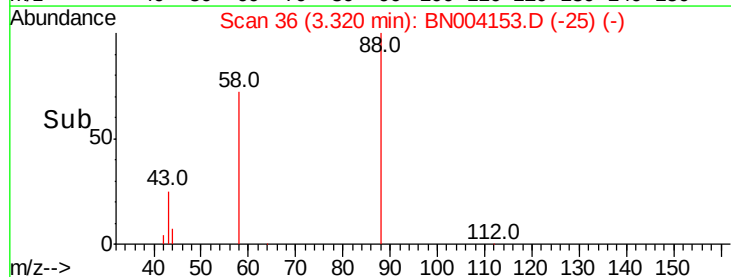
#2

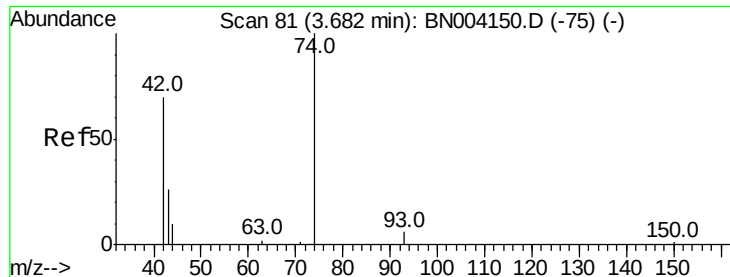
1,4-Dioxane
Concen: 2.291 ng
RT: 3.32 min Scan# 36
Delta R.T. -0.01 min
Lab File: BN004153.D
Acq: 20 Dec 2018 16:48

Tgt Ion: 88 Resp: 5714
Ion Ratio Lower Upper
88 100
58 72.9 60.9 91.3
43 26.2 23.9 35.9



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





#3

n-Nitrosodimethylamine

Concen: 3.437 ng

RT: 3.66 min Scan# 78

Delta R.T. -0.02 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

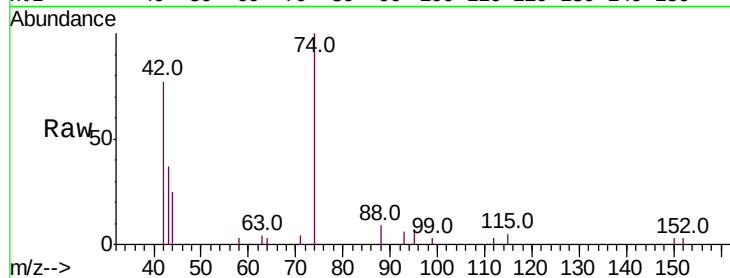
Tot Ion: 42 Resp: 3945

Ion Ratio Lower Upper

42 100

74 145.1 99.1 148.7

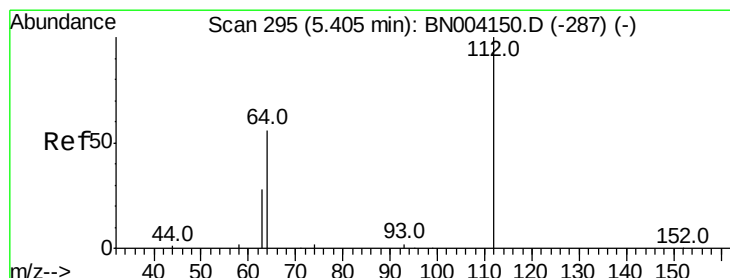
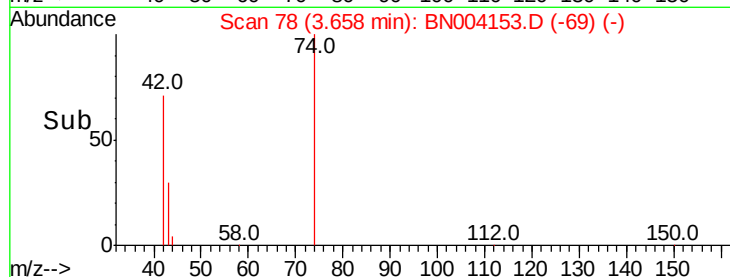
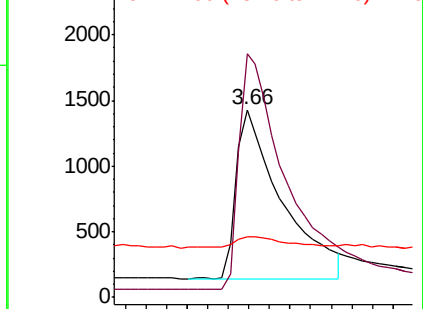
44 6.4 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 3.569 ng

RT: 5.41 min Scan# 295

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

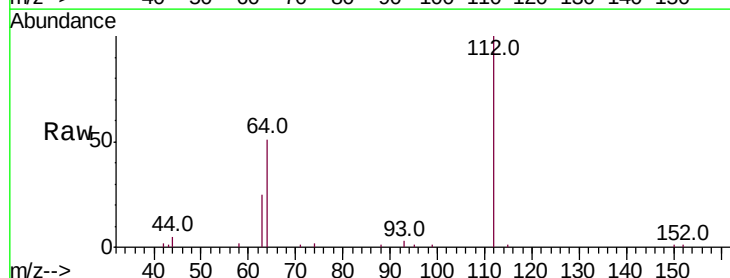
Tgt Ion: 112 Resp: 17021

Ion Ratio Lower Upper

112 100

64 55.4 44.3 66.5

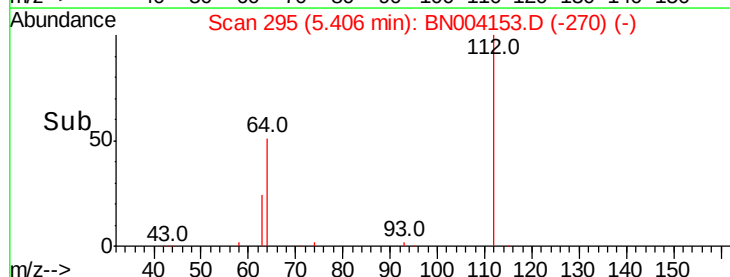
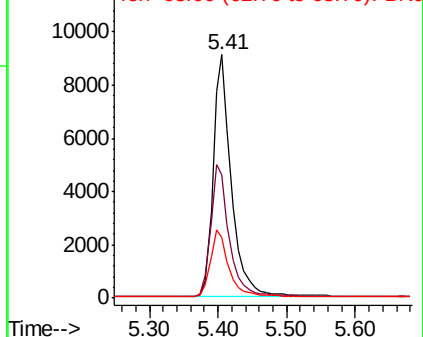
63 27.3 22.4 33.6

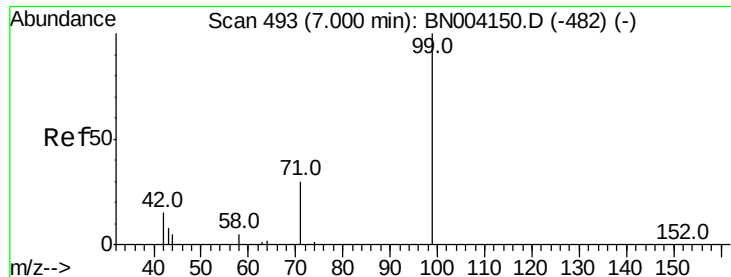


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 4.123 ng

RT: 6.99 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

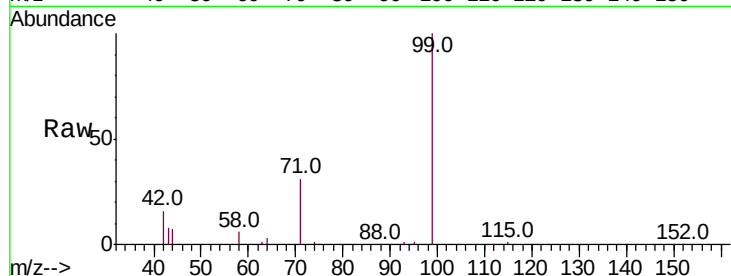
Tot Ion: 99 Resp: 24829

Ion Ratio Lower Upper

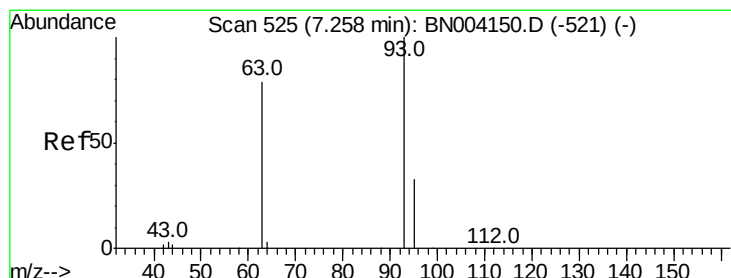
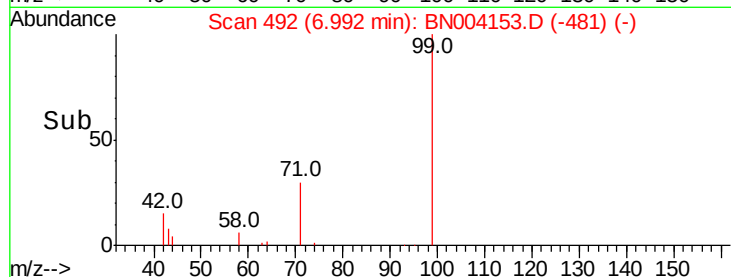
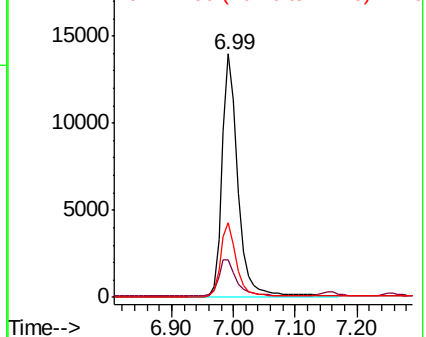
99 100

42 16.9 14.8 22.2

71 30.3 24.8 37.2



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: 3.559 ng

RT: 7.26 min Scan# 525

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

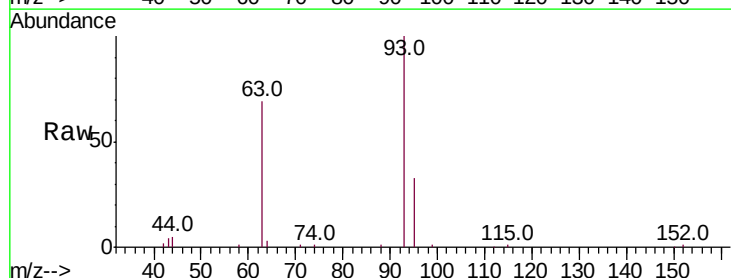
Tgt Ion: 93 Resp: 19128

Ion Ratio Lower Upper

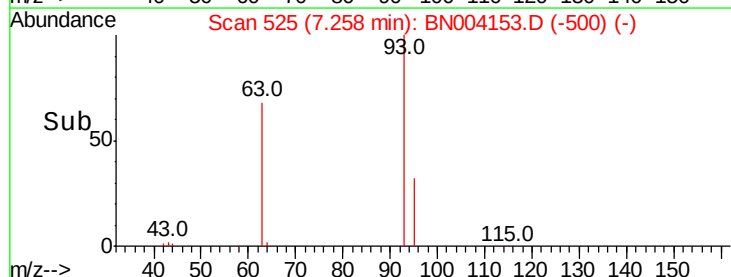
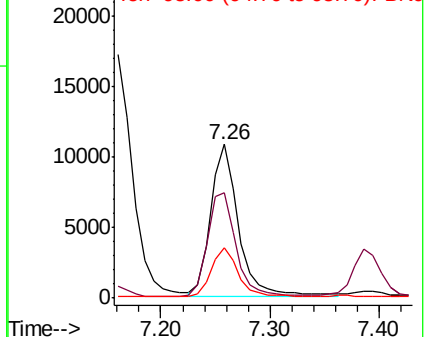
93 100

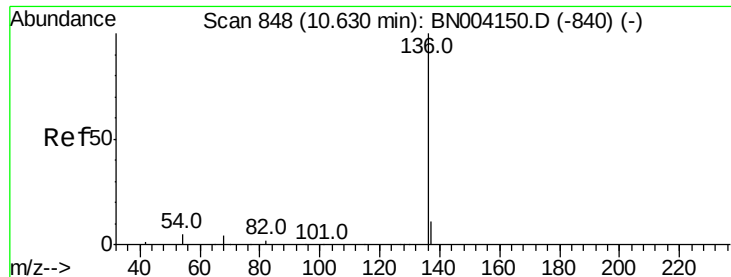
63 70.5 55.8 83.6

95 31.4 25.4 38.2



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: 10.62 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 10046

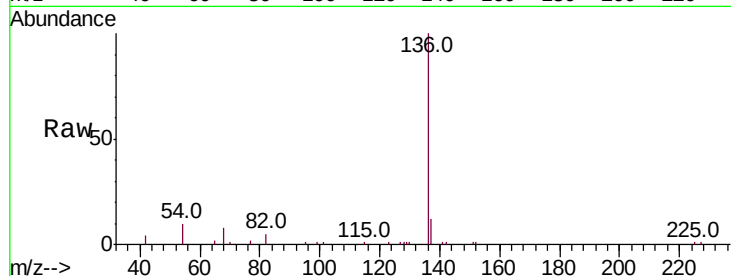
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 9.6 4.1 6.1#

68 8.3 3.5 5.3#

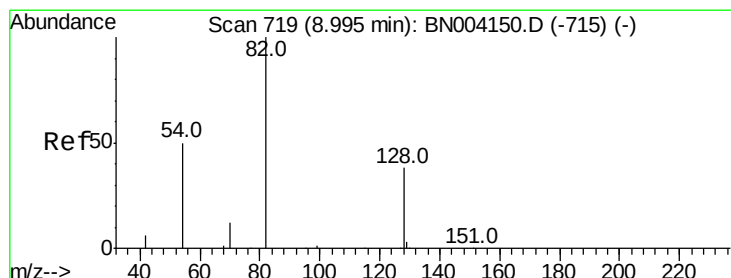
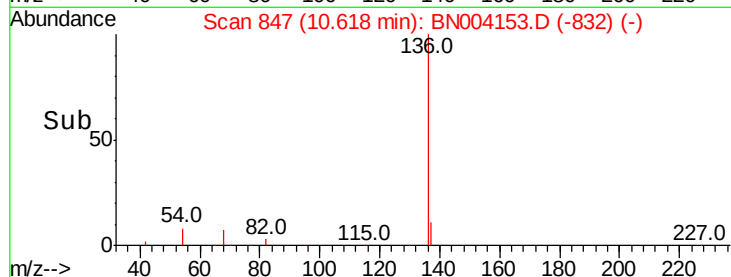
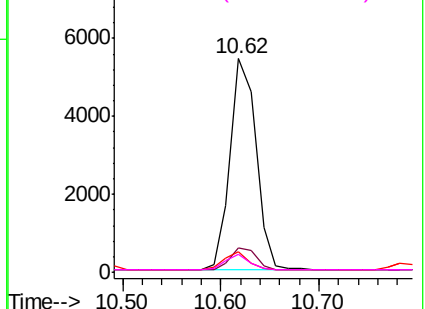


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.153 ng

RT: 9.00 min Scan# 719

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

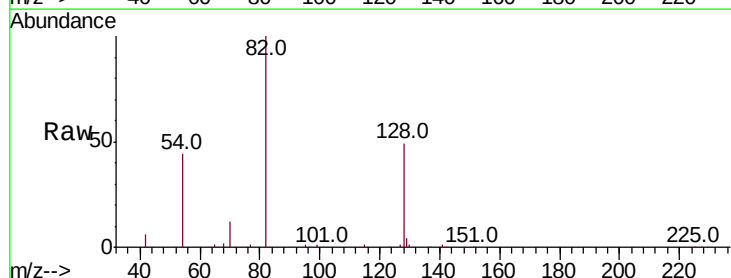
Tgt Ion: 82 Resp: 22674

Ion Ratio Lower Upper

82 100

128 48.8 28.9 43.3#

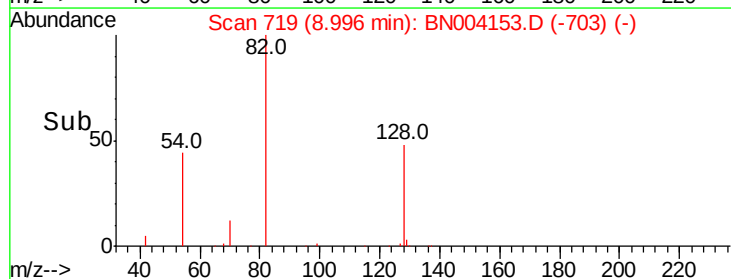
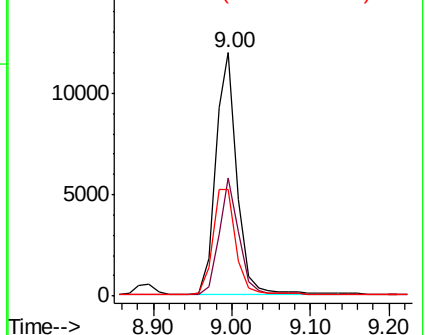
54 44.0 46.1 69.1#

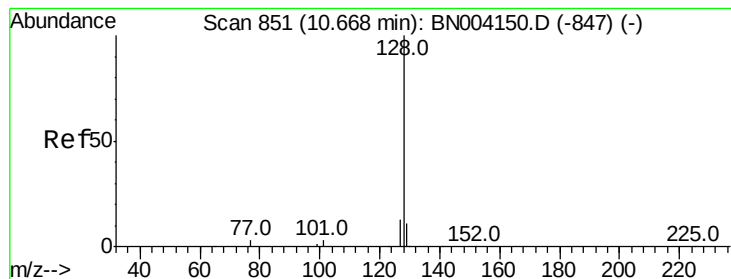


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 3.279 ng

RT: 10.67 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

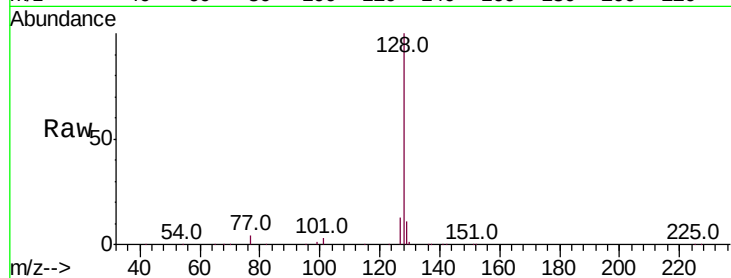
Tot Ion:128 Resp: 80603

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

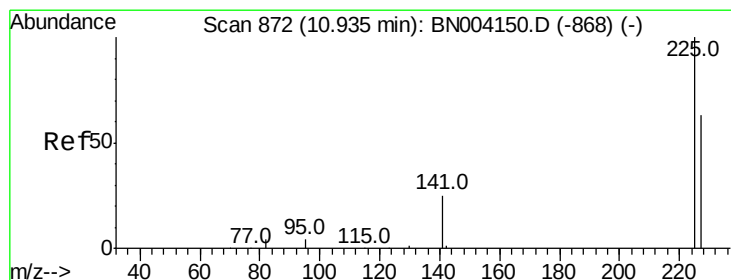
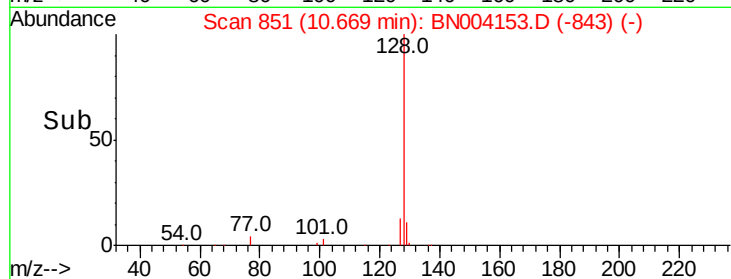
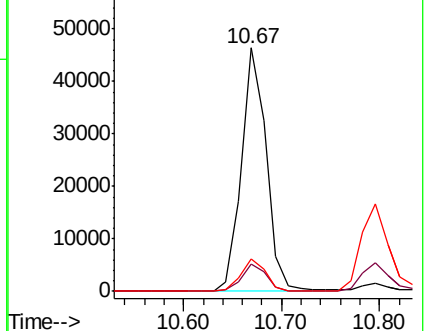
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 3.016 ng

RT: 10.93 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

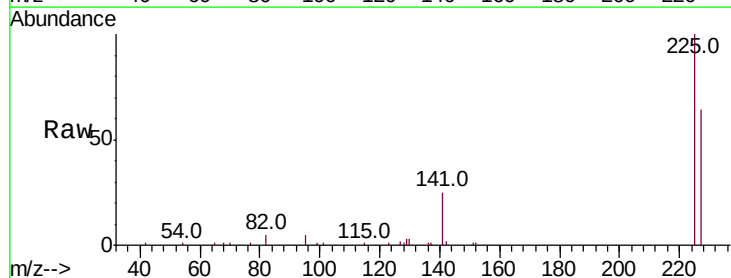
Tgt Ion:225 Resp: 13540

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

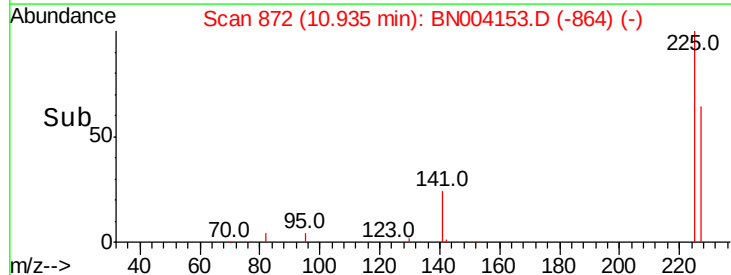
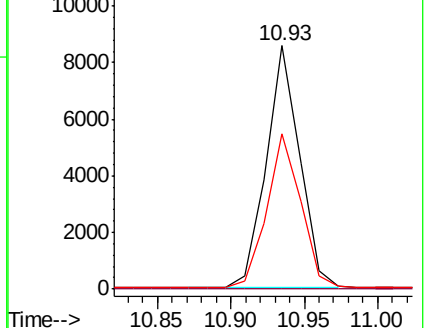
227 64.4 51.3 76.9

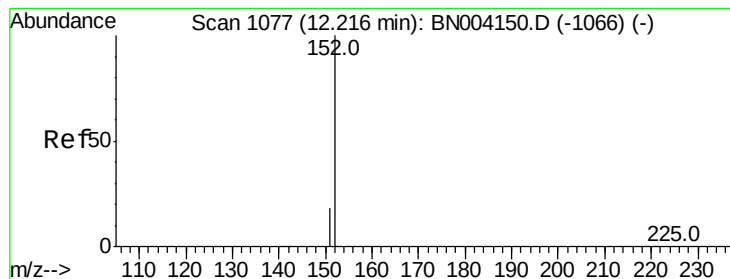


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 3.368 ng

RT: 12.21 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

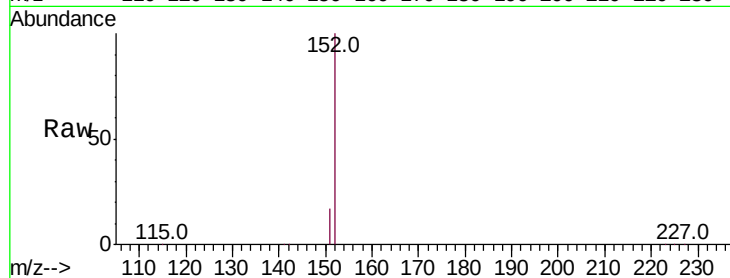
ClientSampleId :

Tot Ion:152 Resp: 55076

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

30000

20000

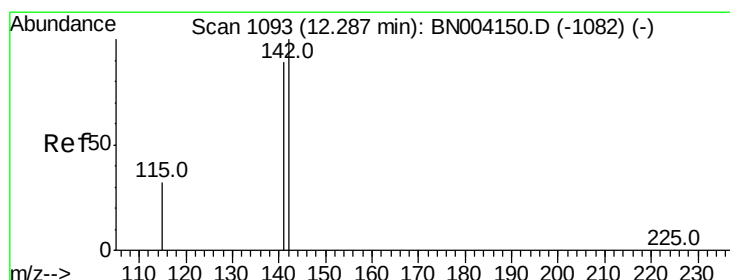
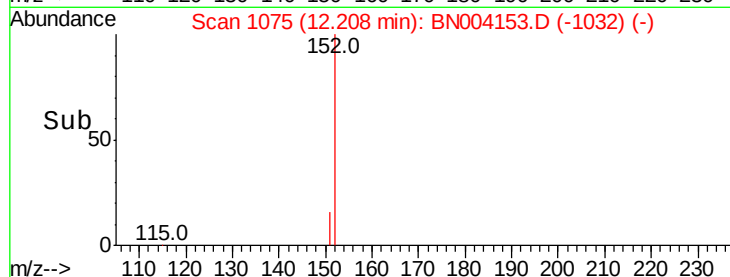
10000

0

Time-->

12.20

12.40



#12

2-Methylnaphthalene

Concen: 3.441 ng

RT: 12.28 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

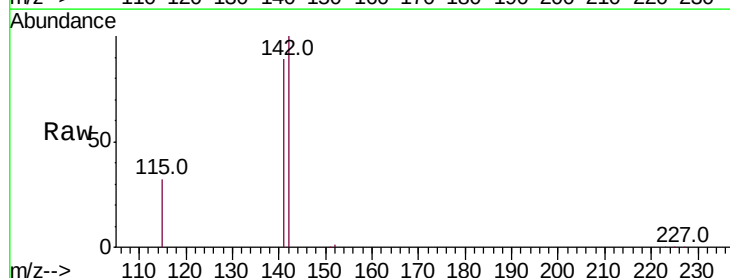
Tgt Ion:142 Resp: 59109

Ion Ratio Lower Upper

142 100

141 89.3 71.9 107.9

115 32.2 27.0 40.6



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

50000

40000

30000

20000

10000

0

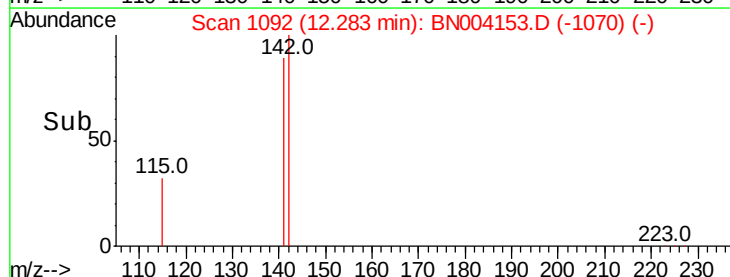
Time-->

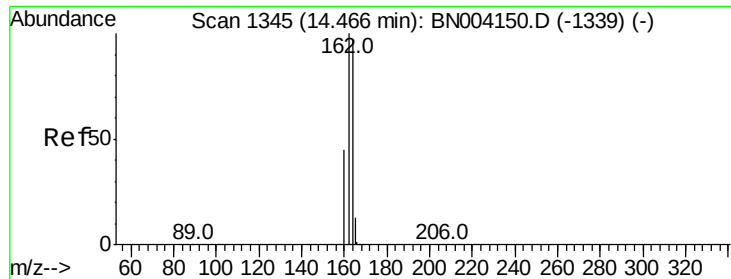
12.20

12.30

12.40

12.50





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

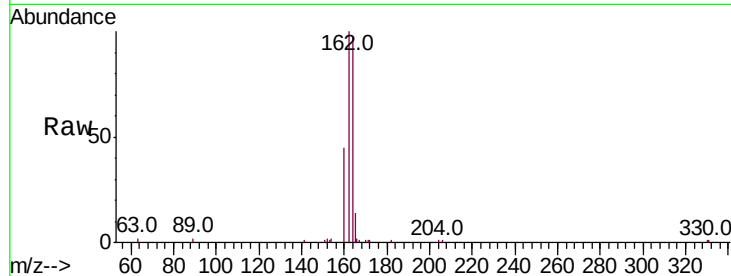
Tot Ion:164 Resp: 6446

Ion Ratio Lower Upper

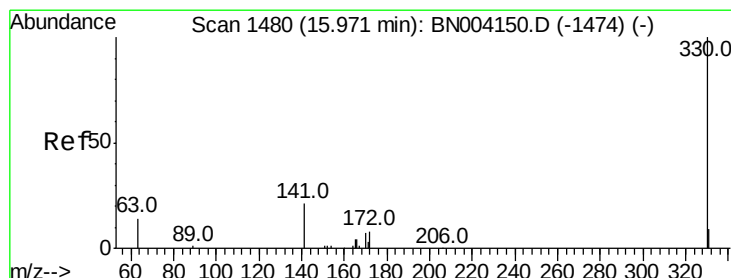
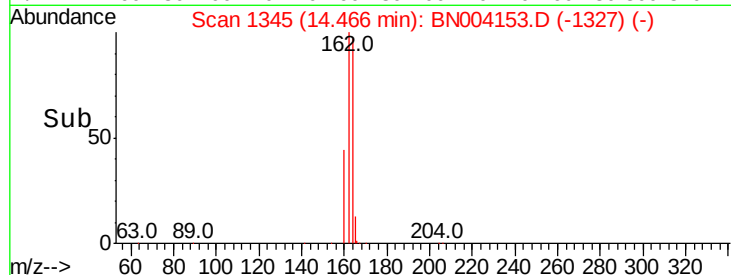
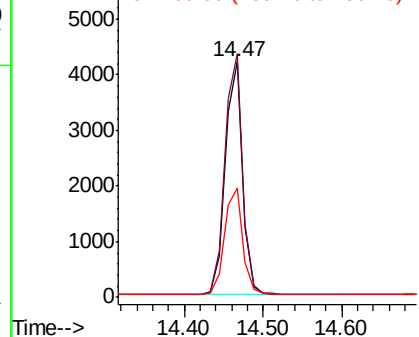
164 100

162 103.3 81.8 122.6

160 46.2 37.2 55.8



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: 5.200 ng

RT: 15.96 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

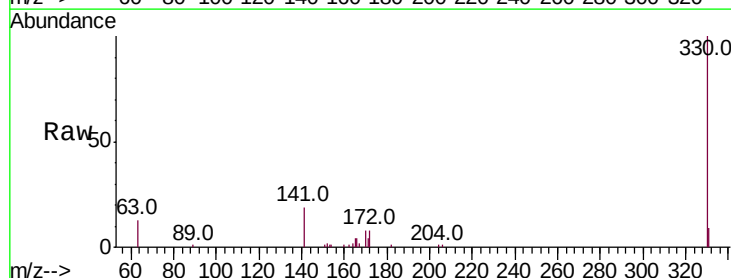
Tgt Ion:330 Resp: 13342

Ion Ratio Lower Upper

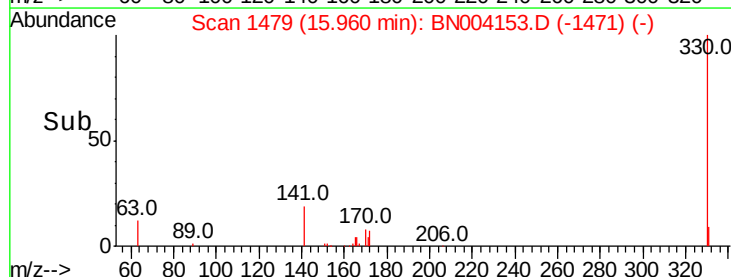
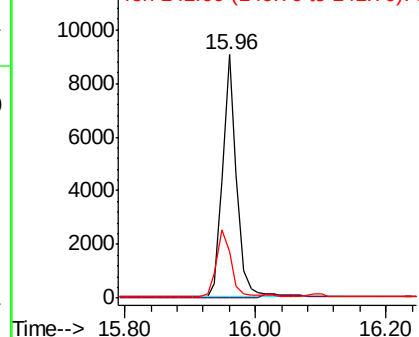
330 100

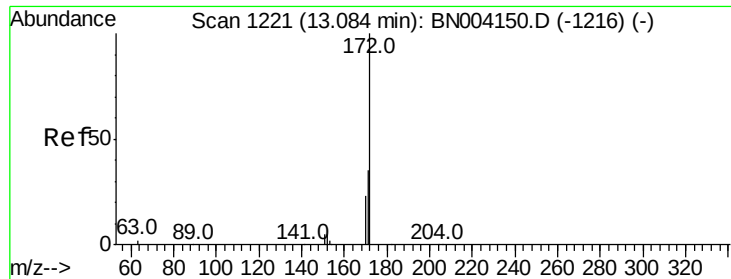
332 0.0 0.0 0.0

141 28.9 28.3 42.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

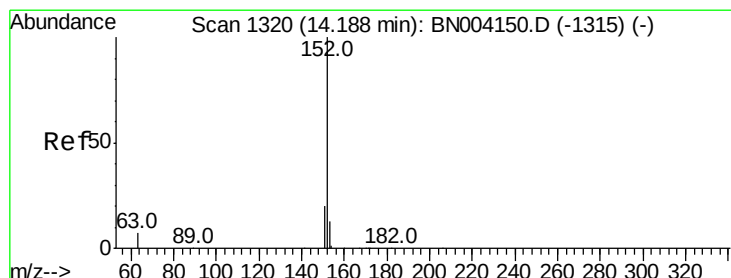
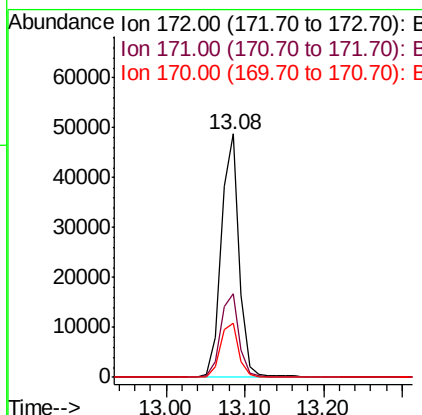
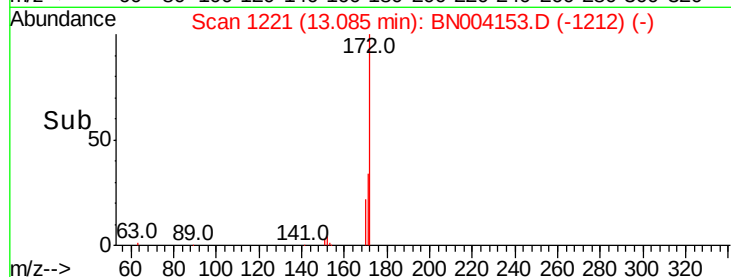
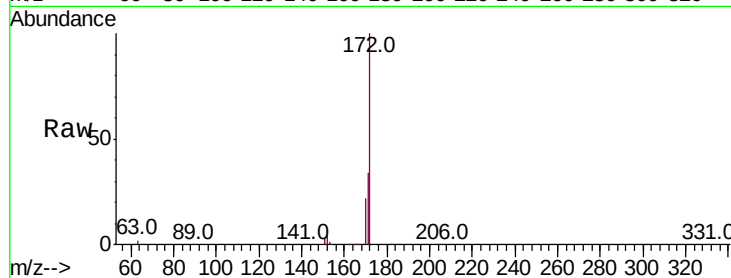




#15
2-Fluorobiphenyl
Concen: 2.802 ng
RT: 13.08 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BN004153.D
Acq: 20 Dec 2018 16:48

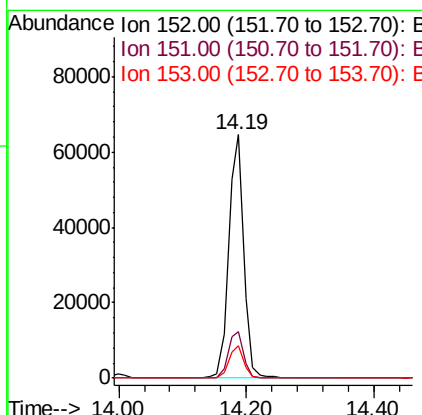
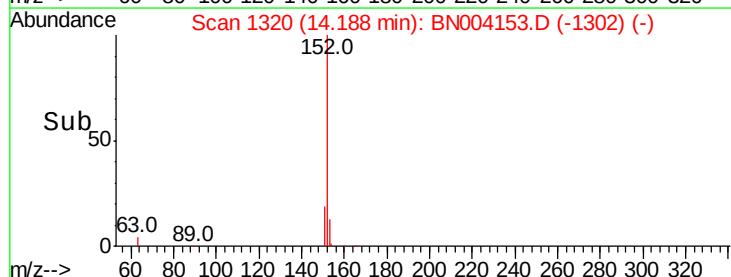
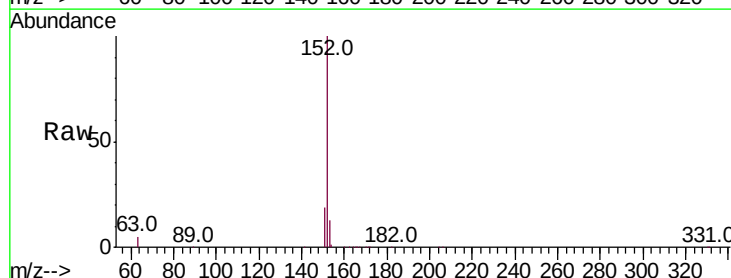
Instrument :
BNA_N
ClientSampleId :

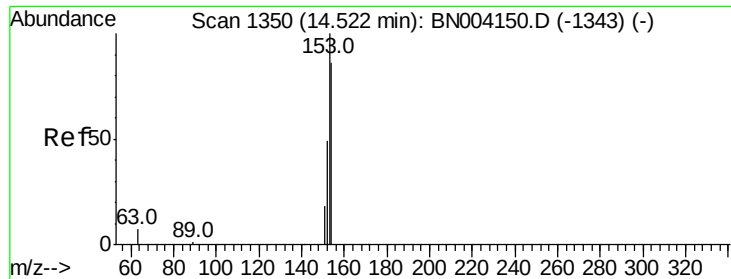
Tot Ion:172 Resp: 77734
Ion Ratio Lower Upper
172 100
171 34.4 27.1 40.7
170 22.1 17.4 26.0



#16
Acenaphthylene
Concen: 3.632 ng
RT: 14.19 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BN004153.D
Acq: 20 Dec 2018 16:48

Tgt Ion:152 Resp: 104377
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 3.245 ng

RT: 14.52 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

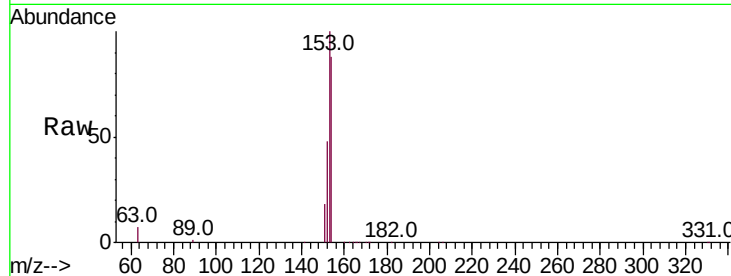
Instrument :

BNA_N

ClientSampleId :

Tot Ion:154 Resp: 64626

Ion	Ratio	Lower	Upper
154	100		
153	113.4	88.9	133.3
152	53.9	43.5	65.3

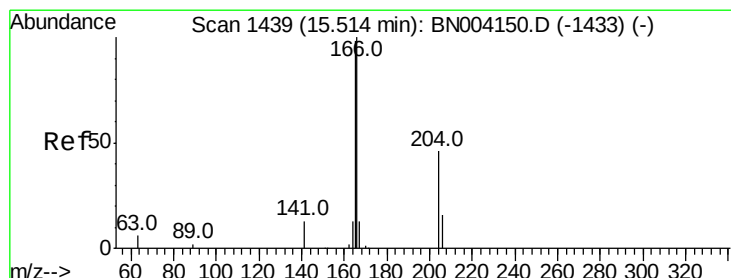
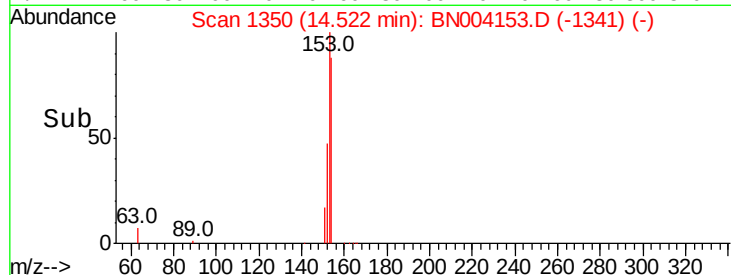
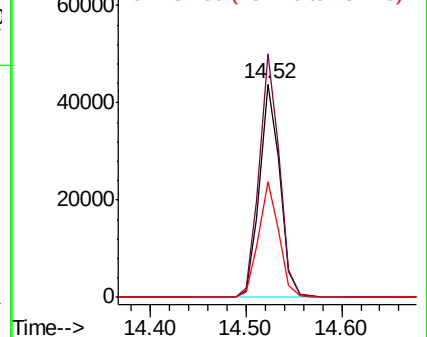


Abundance

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: 3.337 ng

RT: 15.51 min Scan# 1439

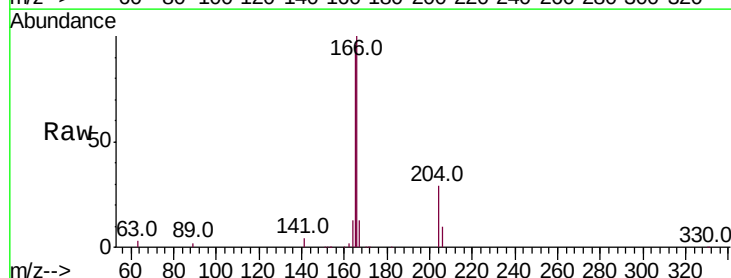
Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Tgt Ion:166 Resp: 83167

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	13.5	10.9	16.3

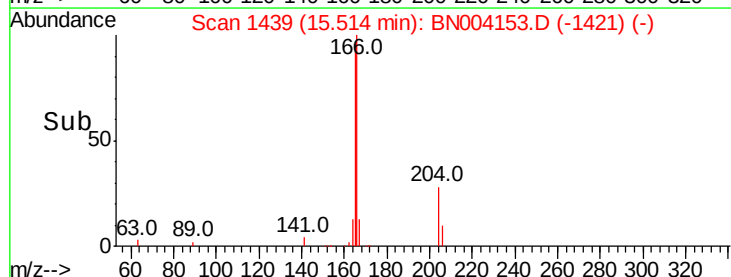
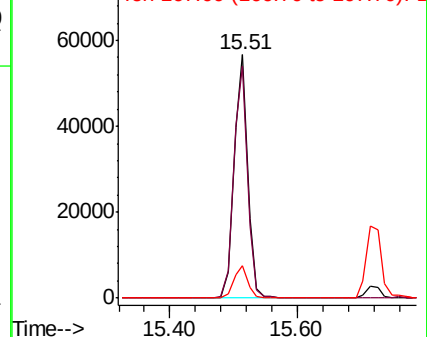


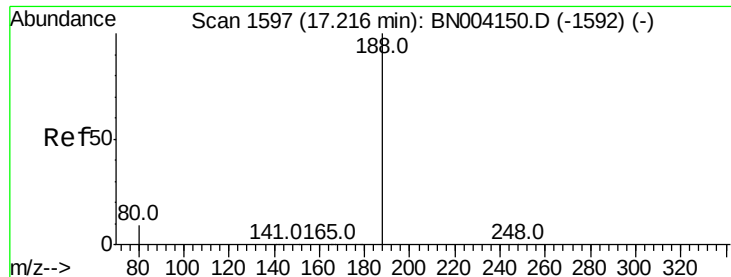
Abundance

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: 17.21 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

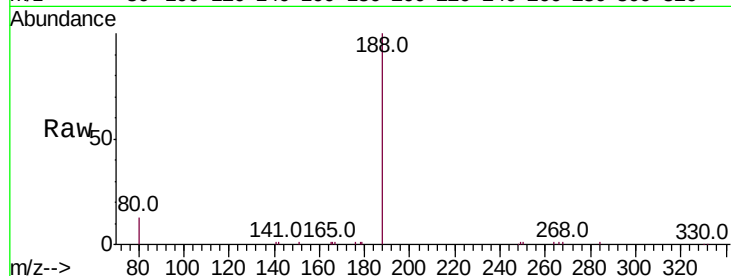
Tot Ion:188 Resp: 15653

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

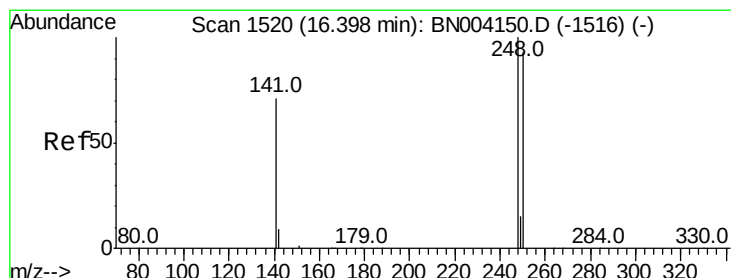
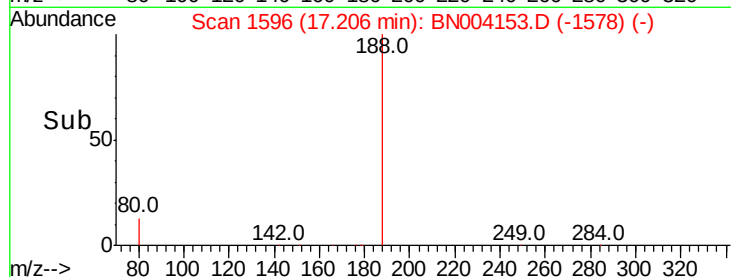
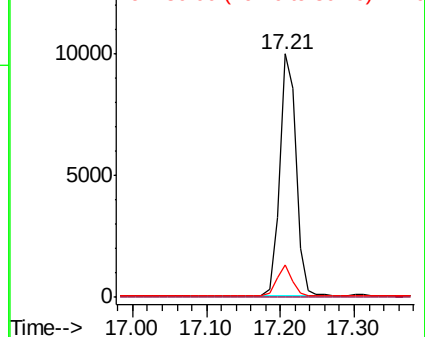
80 13.4 8.6 12.8#



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: 3.291 ng

RT: 16.40 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

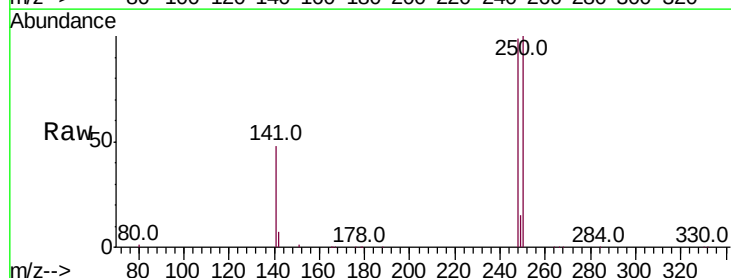
Tgt Ion:248 Resp: 29840

Ion Ratio Lower Upper

248 100

250 101.3 83.7 125.5

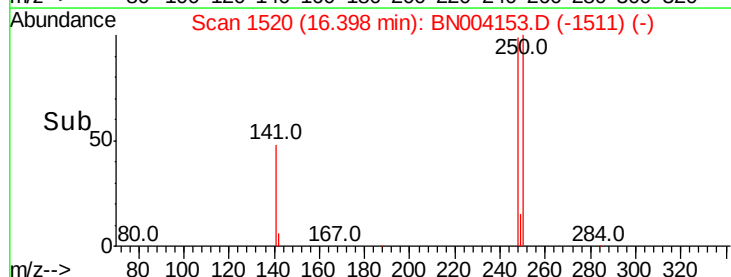
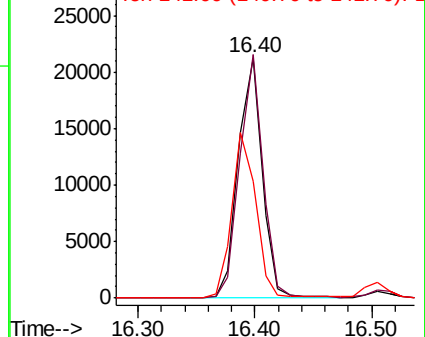
141 48.7 31.4 47.0#

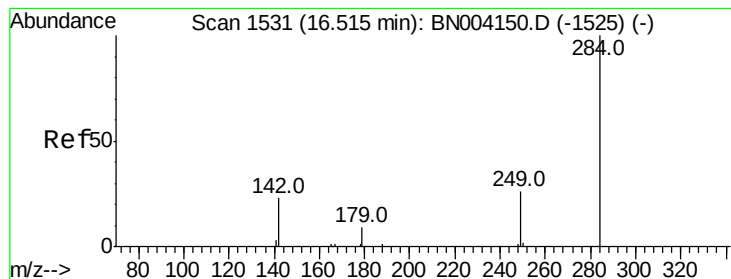


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.340 ng

RT: 16.52 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

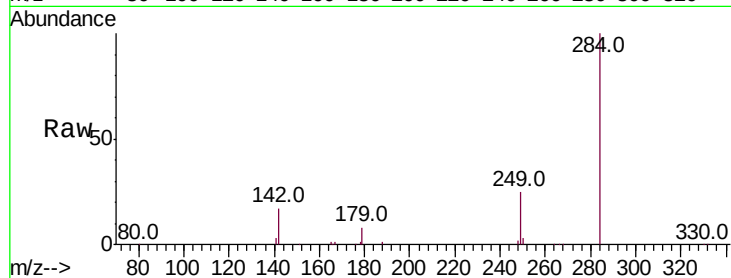
Tot Ion:284 Resp: 31932

Ion Ratio Lower Upper

284 100

142 32.8 29.7 44.5

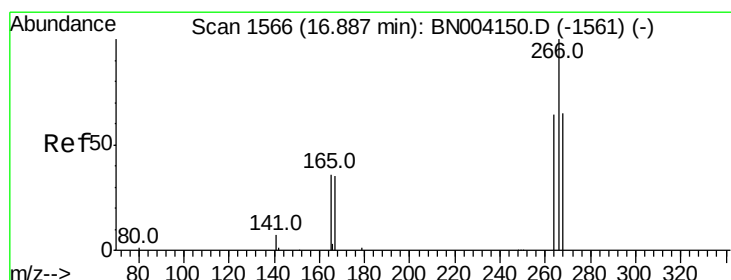
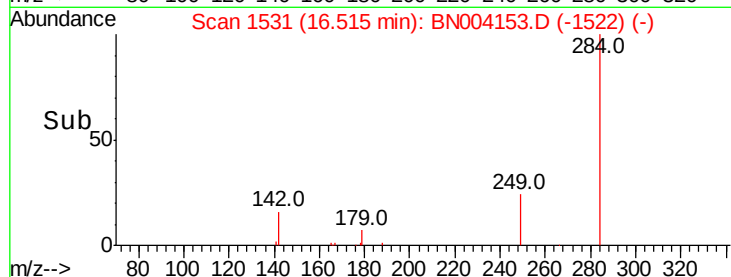
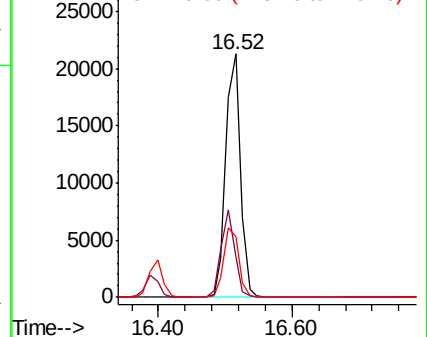
249 28.7 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 3.232 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

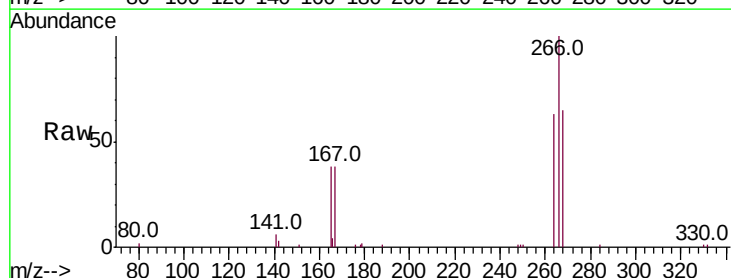
Tgt Ion:266 Resp: 8373

Ion Ratio Lower Upper

266 100

264 63.5 52.1 78.1

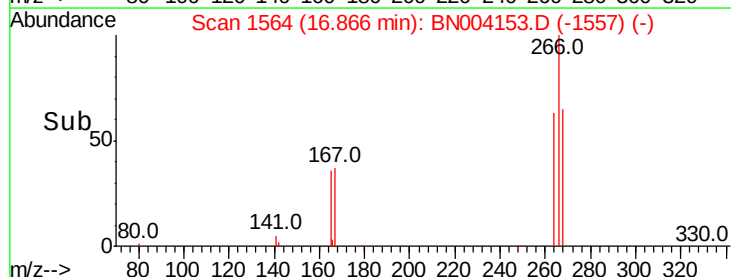
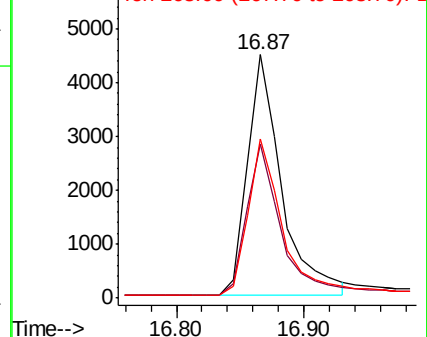
268 65.1 51.8 77.6

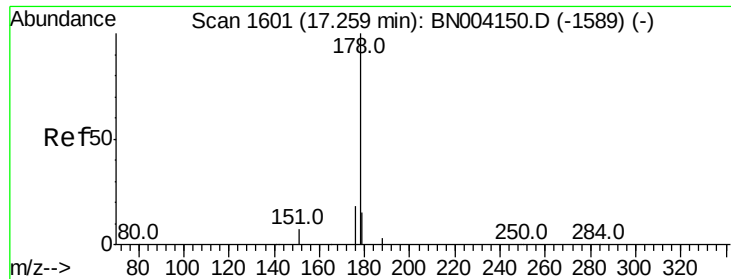


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.302 ng

RT: 17.25 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

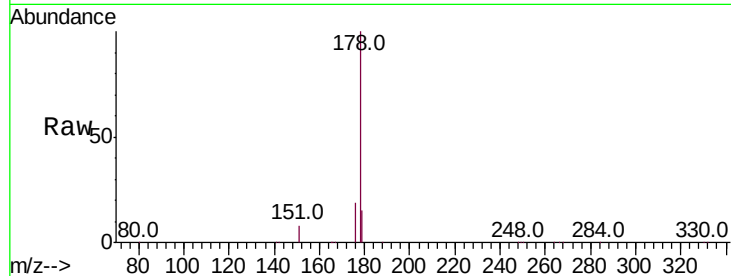
Tot Ion:178 Resp: 141775

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

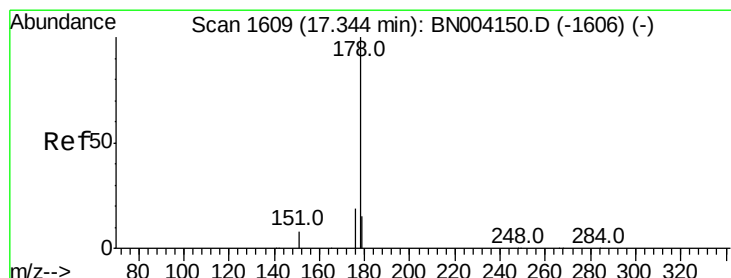
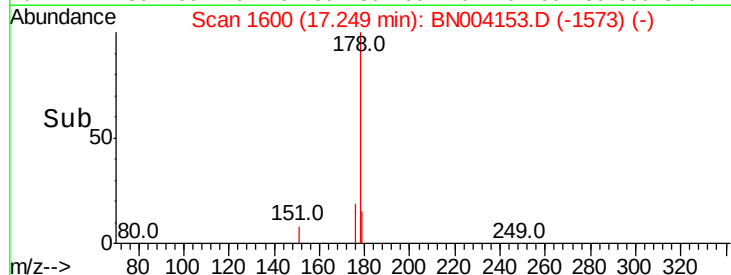
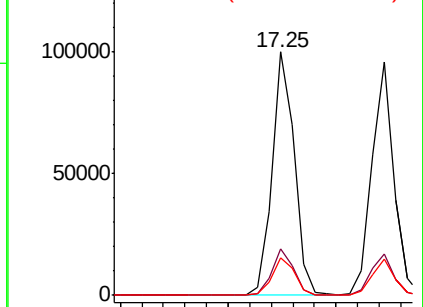
179 15.3 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 3.698 ng

RT: 17.34 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

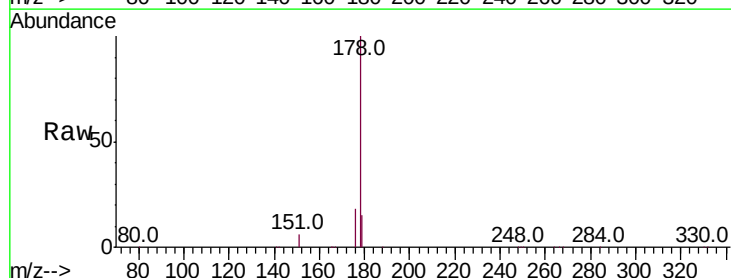
Tgt Ion:178 Resp: 136214

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

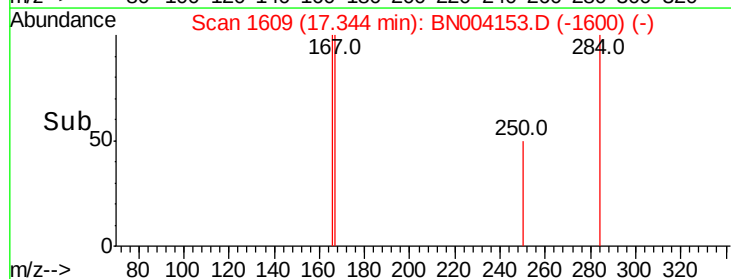
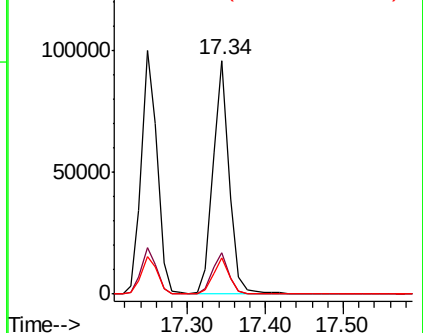
179 15.3 12.2 18.4

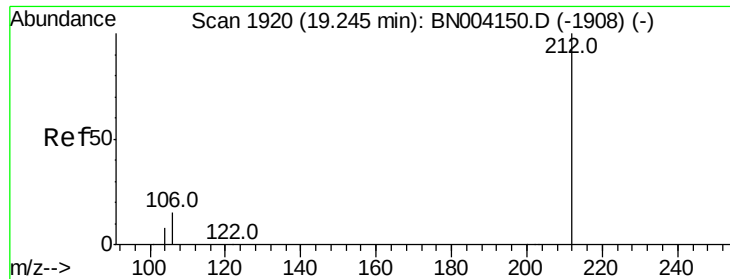


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 3.388 ng

RT: 19.24 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampled :

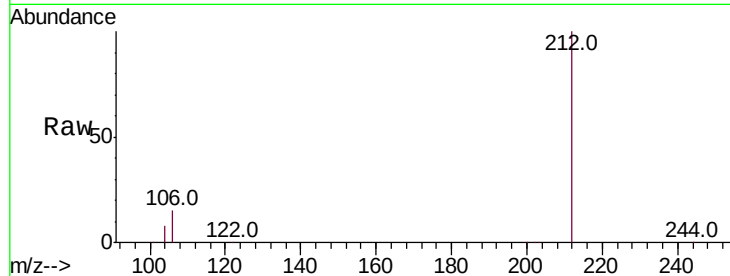
Tot Ion:212 Resp: 154203

Ion Ratio Lower Upper

212 100

106 14.7 10.3 15.5

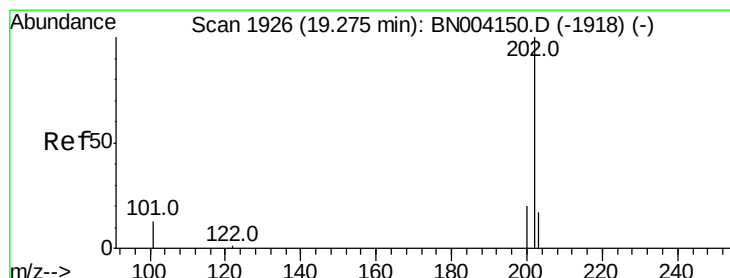
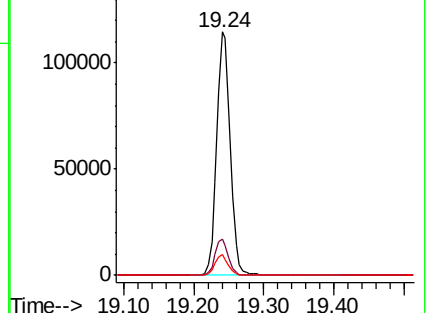
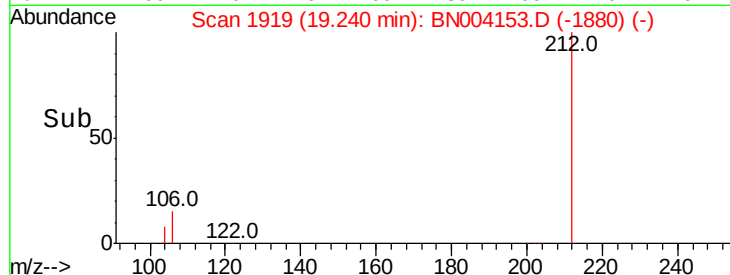
104 8.1 5.6 8.4



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: 3.410 ng

RT: 19.27 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

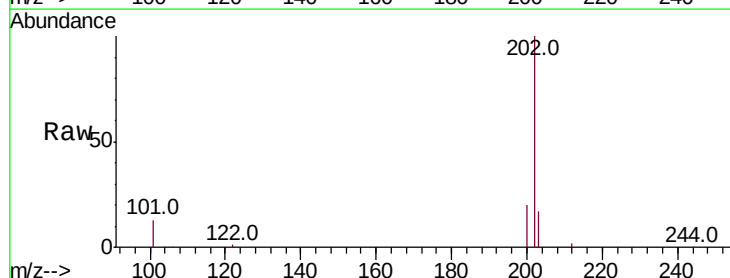
Tgt Ion:202 Resp: 168179

Ion Ratio Lower Upper

202 100

101 12.6 9.0 13.4

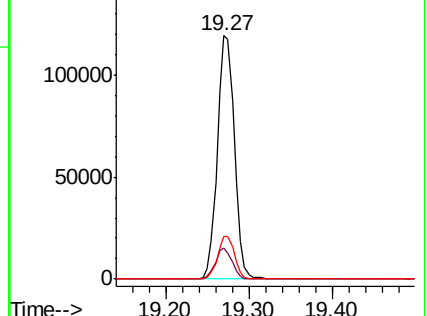
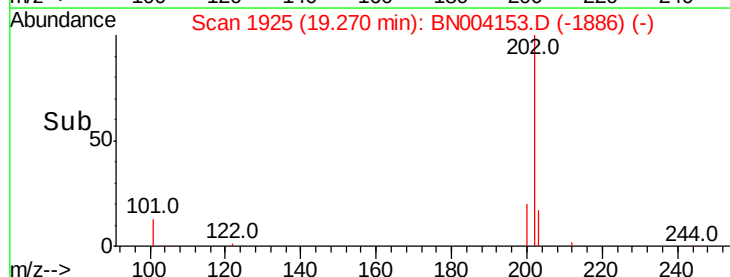
203 17.4 13.8 20.6

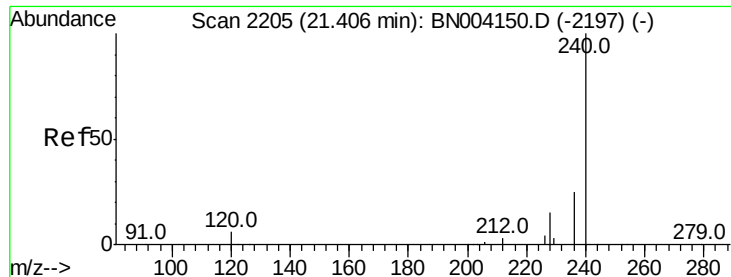


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampled :

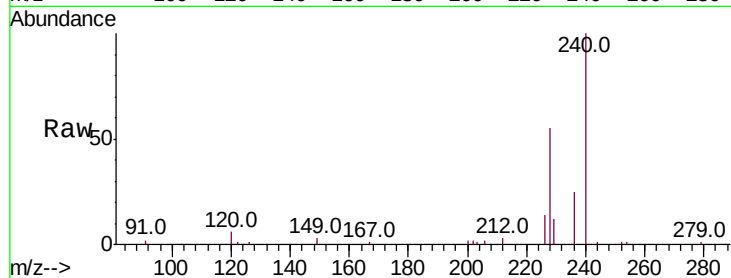
Tot Ion:240 Resp: 16680

Ion Ratio Lower Upper

240 100

120 6.3 9.3 13.9#

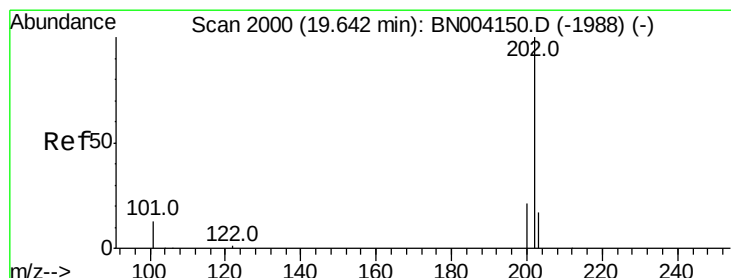
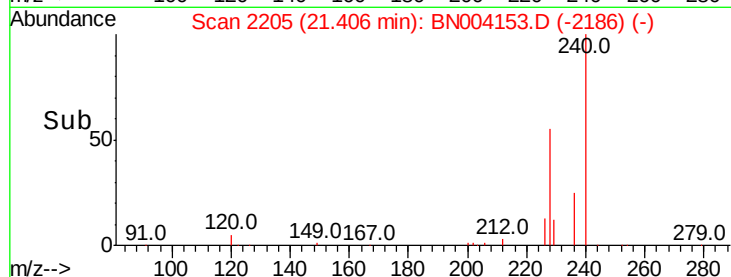
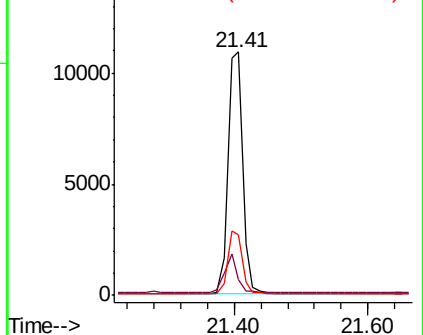
236 25.1 21.0 31.4



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: 3.714 ng

RT: 19.64 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

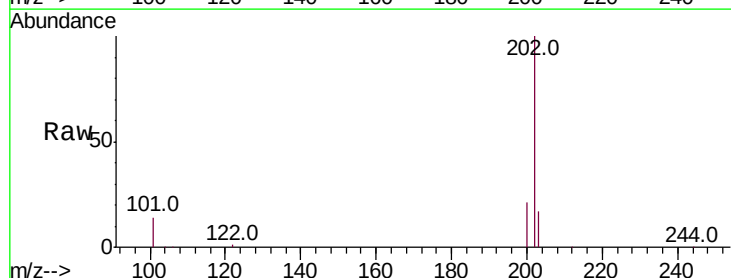
Tgt Ion:202 Resp: 171265

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

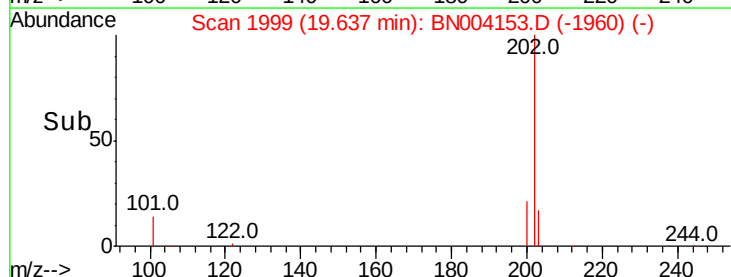
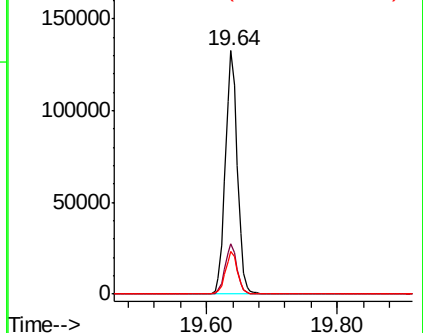
203 17.5 13.9 20.9

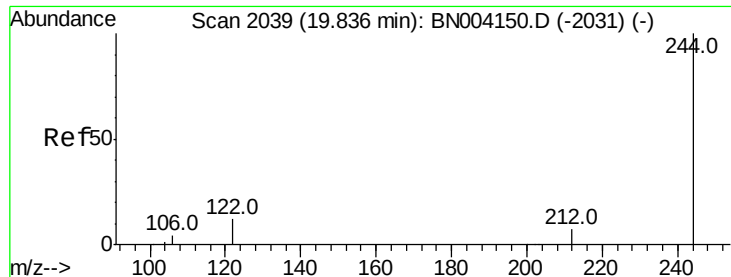


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.361 ng

RT: 19.83 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

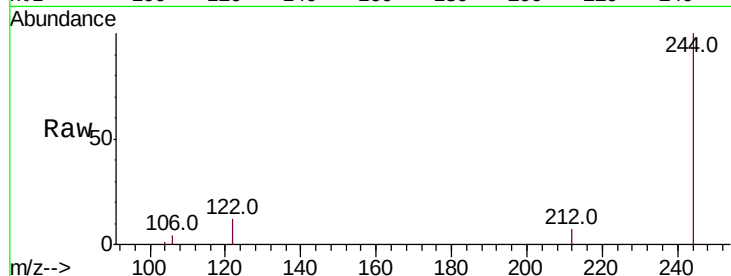
Tot Ion:244 Resp: 130388

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

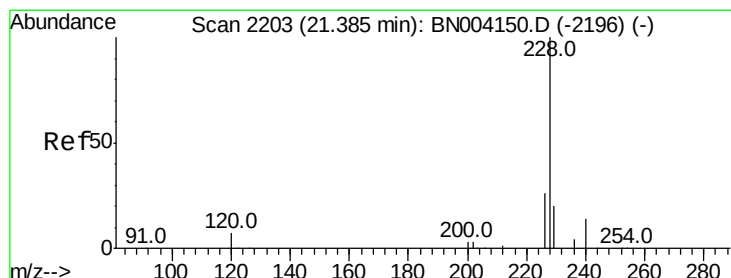
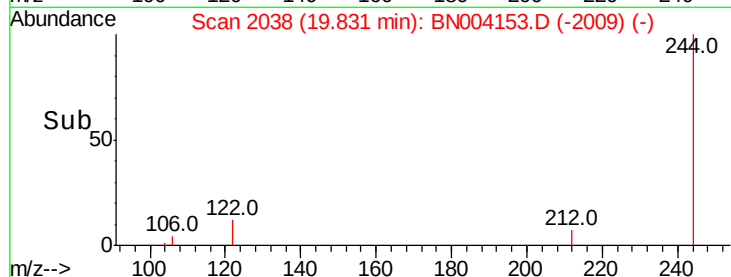
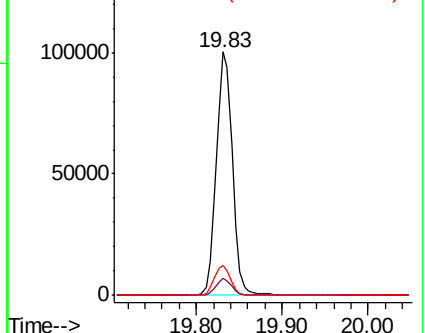
122 12.3 8.5 12.7



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: 3.478 ng

RT: 21.39 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

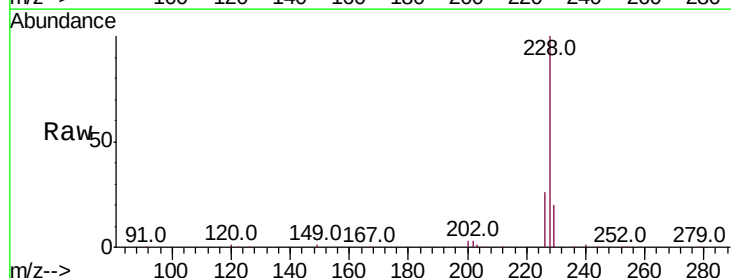
Tgt Ion:228 Resp: 152029

Ion Ratio Lower Upper

228 100

226 26.5 20.8 31.2

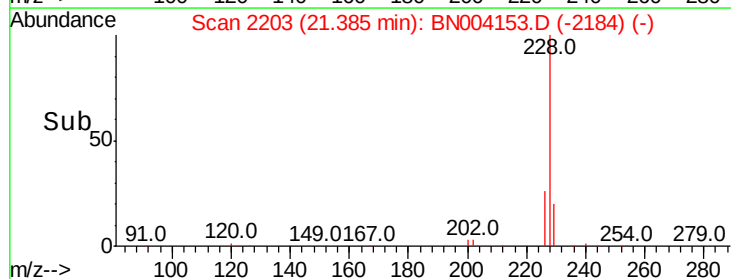
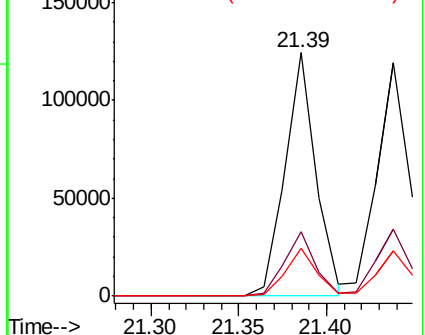
229 19.6 16.1 24.1

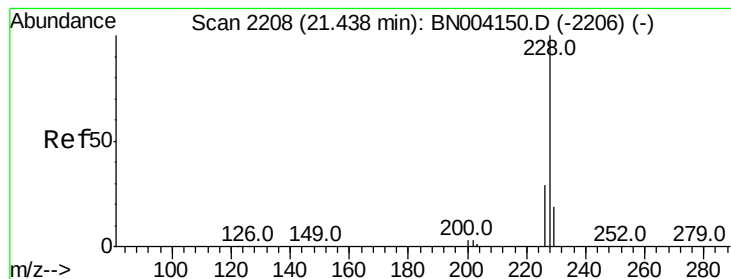


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.244 ng

RT: 21.44 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

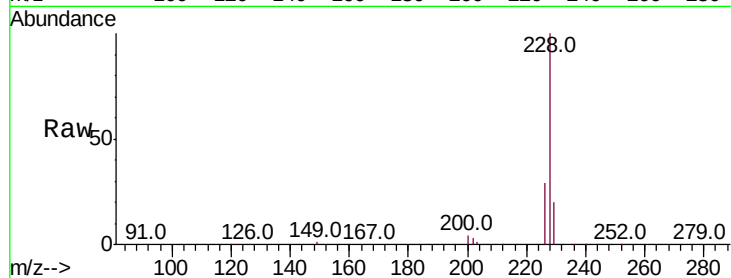
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 152940

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	19.5	16.0	24.0



Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

150000

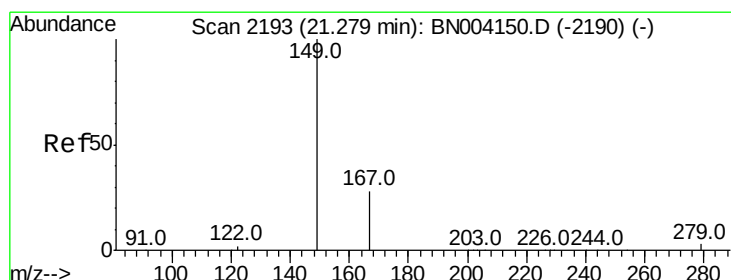
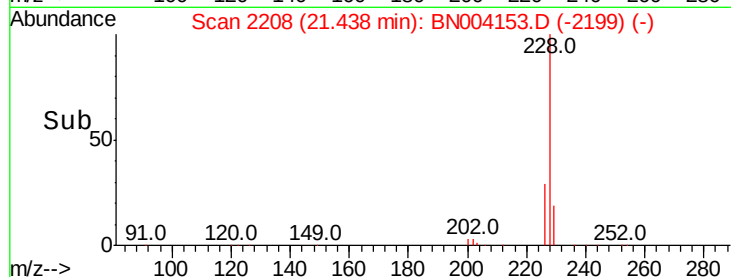
100000

50000

0

21.40 21.44 21.50

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 7.323 ng

RT: 21.28 min Scan# 2193

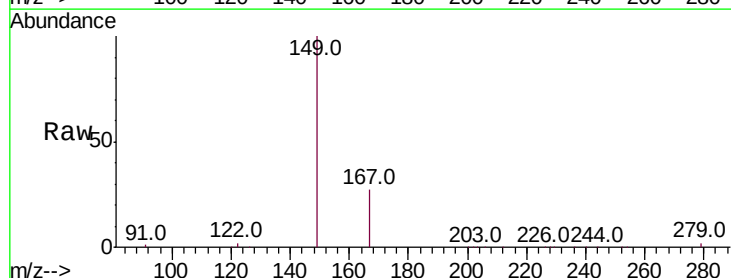
Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Tgt Ion:149 Resp: 94722

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.4	33.6
279	5.0	3.9	5.9



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

100000

80000

60000

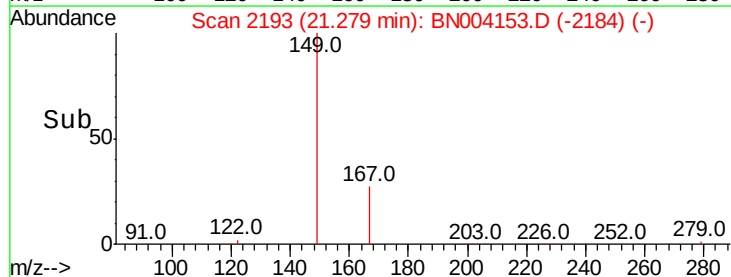
40000

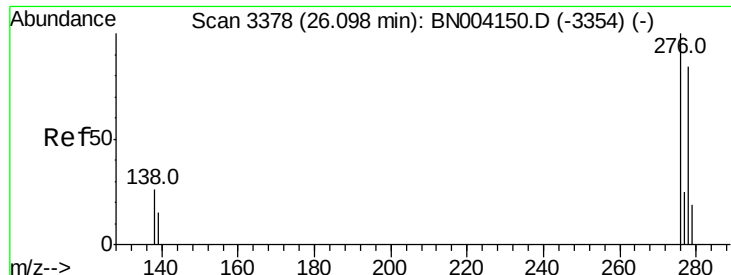
20000

0

21.20 21.28 21.30

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 3.261 ng

RT: 26.09 min Scan# 3375

Delta R.T. -0.01 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

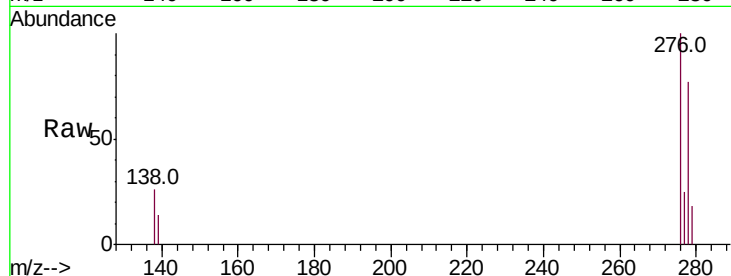
Tot Ion:276 Resp: 159172

Ion Ratio Lower Upper

276 100

138 26.0 20.6 30.8

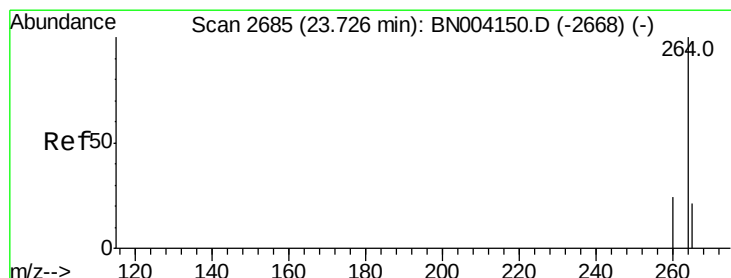
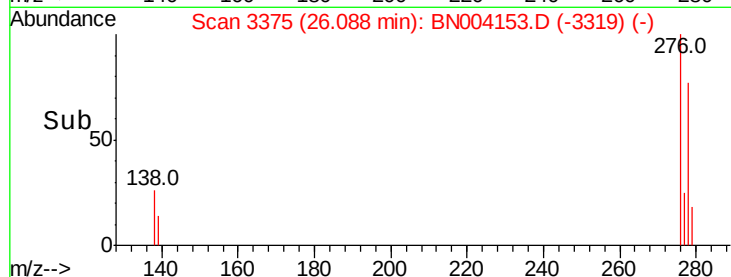
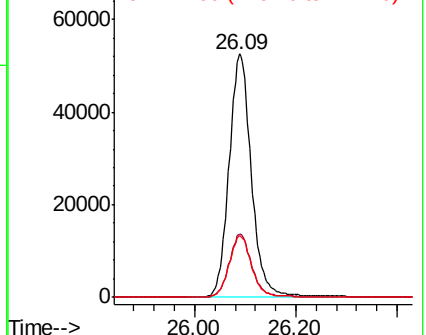
277 25.2 20.0 30.0



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: 23.73 min Scan# 2685

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

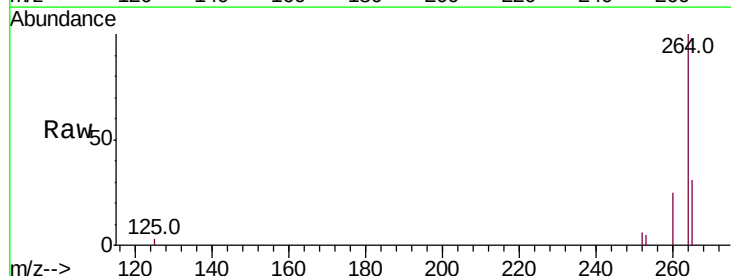
Tgt Ion:264 Resp: 14842

Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

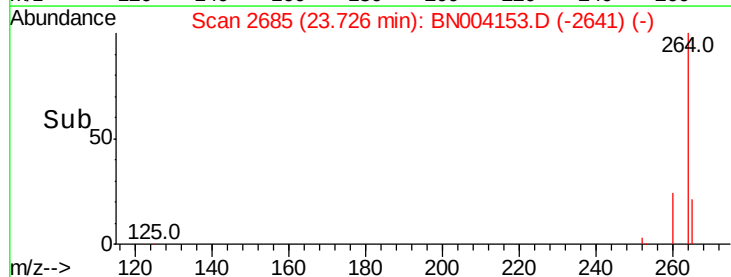
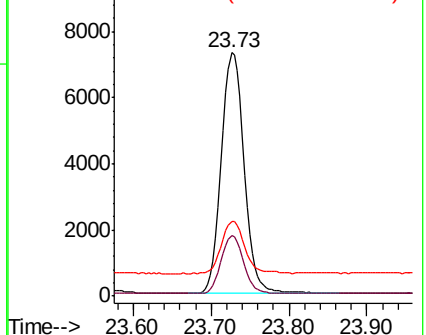
265 30.6 26.4 39.6

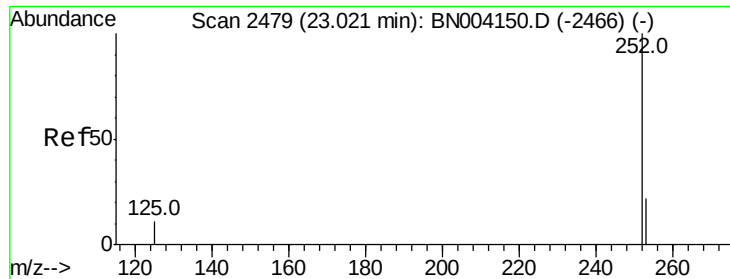


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 3.123 ng

RT: 23.02 min Scan# 2479

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

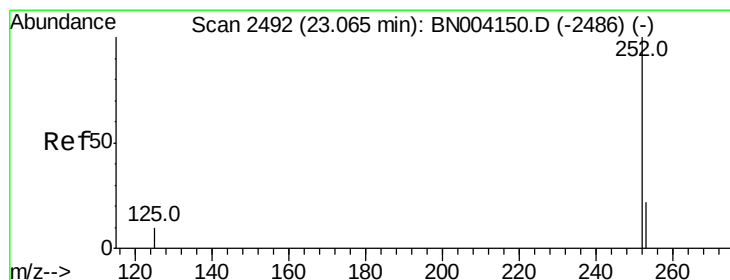
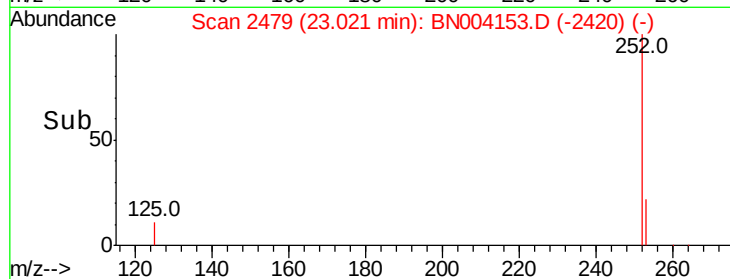
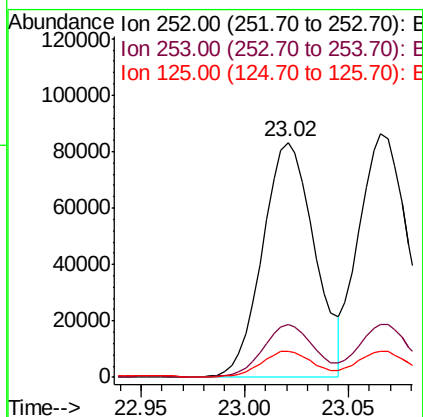
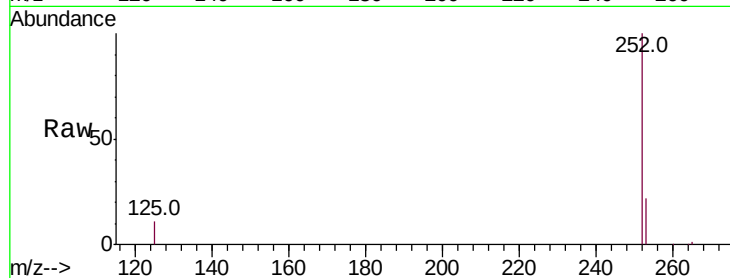
Tot Ion:252 Resp: 144624

Ion Ratio Lower Upper

252 100

253 22.3 19.3 28.9

125 10.9 12.7 19.1#



#36

Benzo(k)fluoranthene

Concen: 3.173 ng

RT: 23.07 min Scan# 2492

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

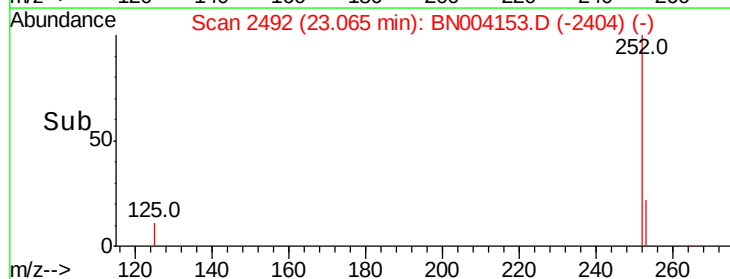
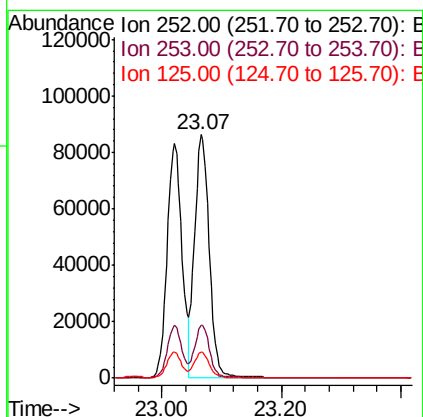
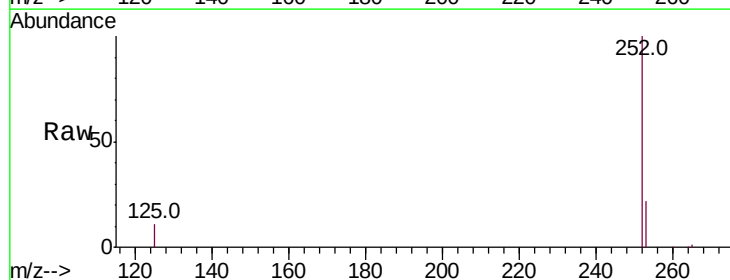
Tgt Ion:252 Resp: 145531

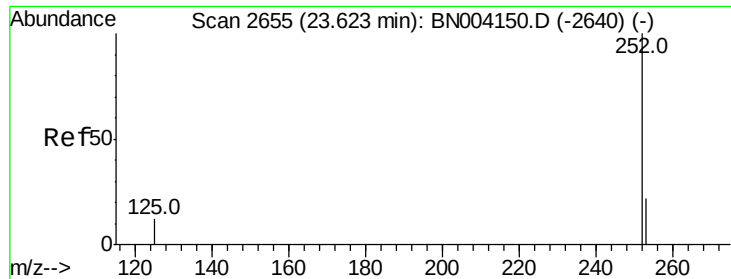
Ion Ratio Lower Upper

252 100

253 21.9 18.5 27.7

125 10.9 9.1 13.7





#37

Benzo(a)pyrene

Concen: 3.172 ng

RT: 23.62 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :

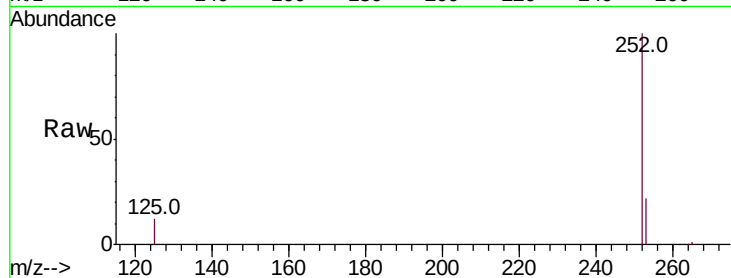
Tot Ion:252 Resp: 133683

Ion Ratio Lower Upper

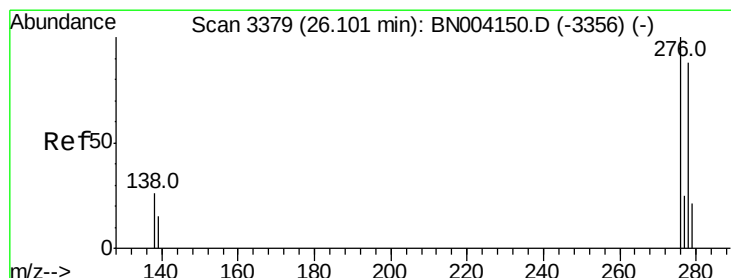
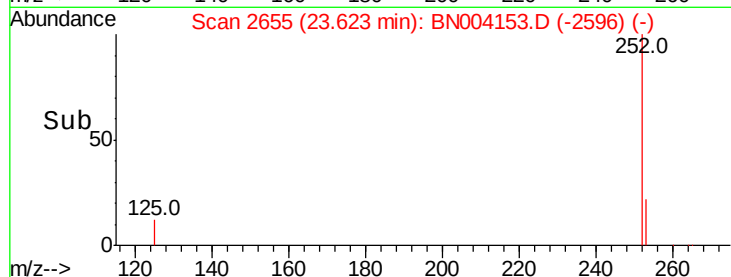
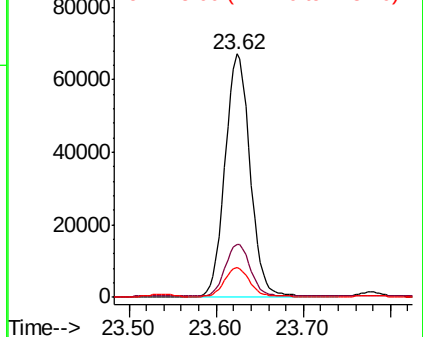
252 100

253 21.9 20.1 30.1

125 12.2 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 3.398 ng

RT: 26.10 min Scan# 3378

Delta R.T. -0.00 min

Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

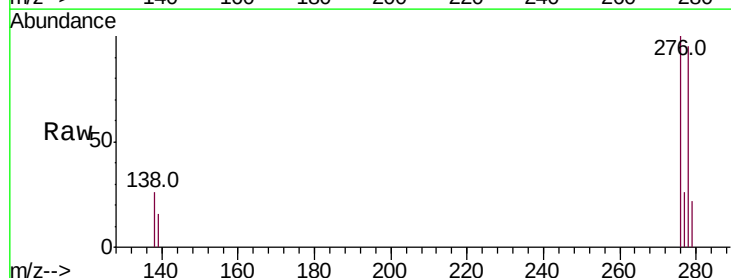
Tgt Ion:278 Resp: 133454

Ion Ratio Lower Upper

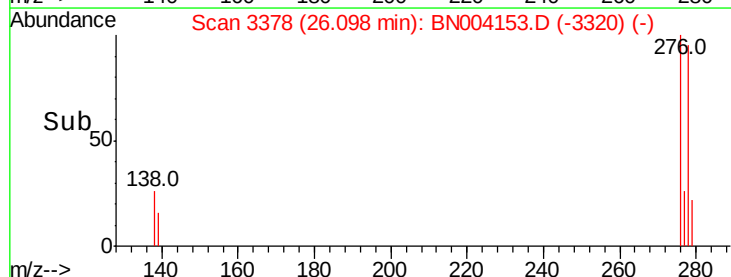
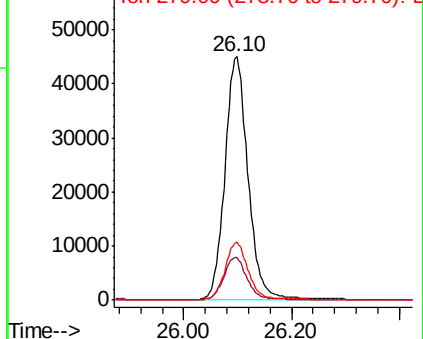
278 100

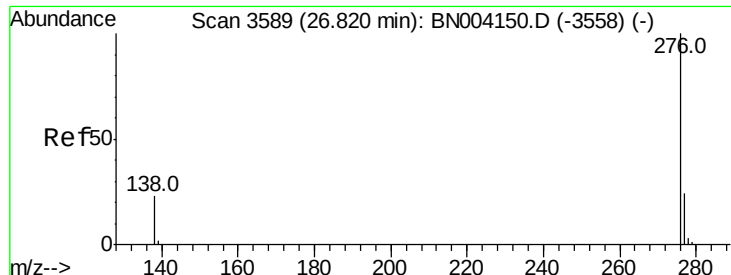
139 17.3 13.5 20.3

279 23.6 19.8 29.6



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





#39

Benzo(a,h,i)perylene

Concen: 3.306 ng

RT: 26.82 min Scan# 3589

Delta R.T. 0.00 min

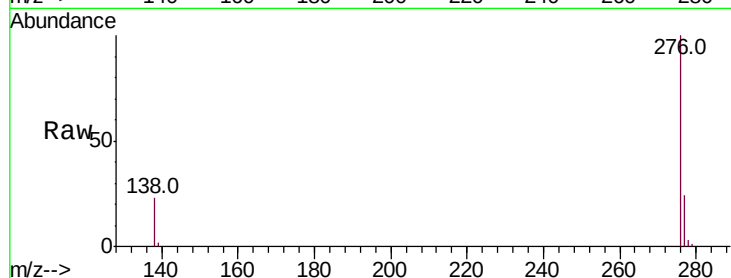
Lab File: BN004153.D

Acq: 20 Dec 2018 16:48

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 129842

Ion Ratio Lower Upper

276 100

277 23.8 19.5 29.3

138 22.8 17.4 26.2

