

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004859.D
 Acq On : 21 Mar 2019 20:34
 Operator : JU/SJ
 Sample : PB118153BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB118153BS

Quant Time: Mar 22 02:02:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1859	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7945	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	4928	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13642	0.40	ng	0.00
27) Chrysene-d12	21.29	240	17500	0.40	ng	0.00
34) Perylene-d12	23.54	264	18671	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	1099	0.22	ng	0.00
5) Phenol-d6	6.89	99	1302	0.21	ng	0.00
8) Nitrobenzene-d5	8.87	82	944	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	3805	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	562	0.17	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	4381	0.22	ng	0.00
25) Fluoranthene-d10	19.13	212	8935	0.20	ng	0.00
29) Terphenyl-d14	19.73	244	7642	0.21	ng	0.00

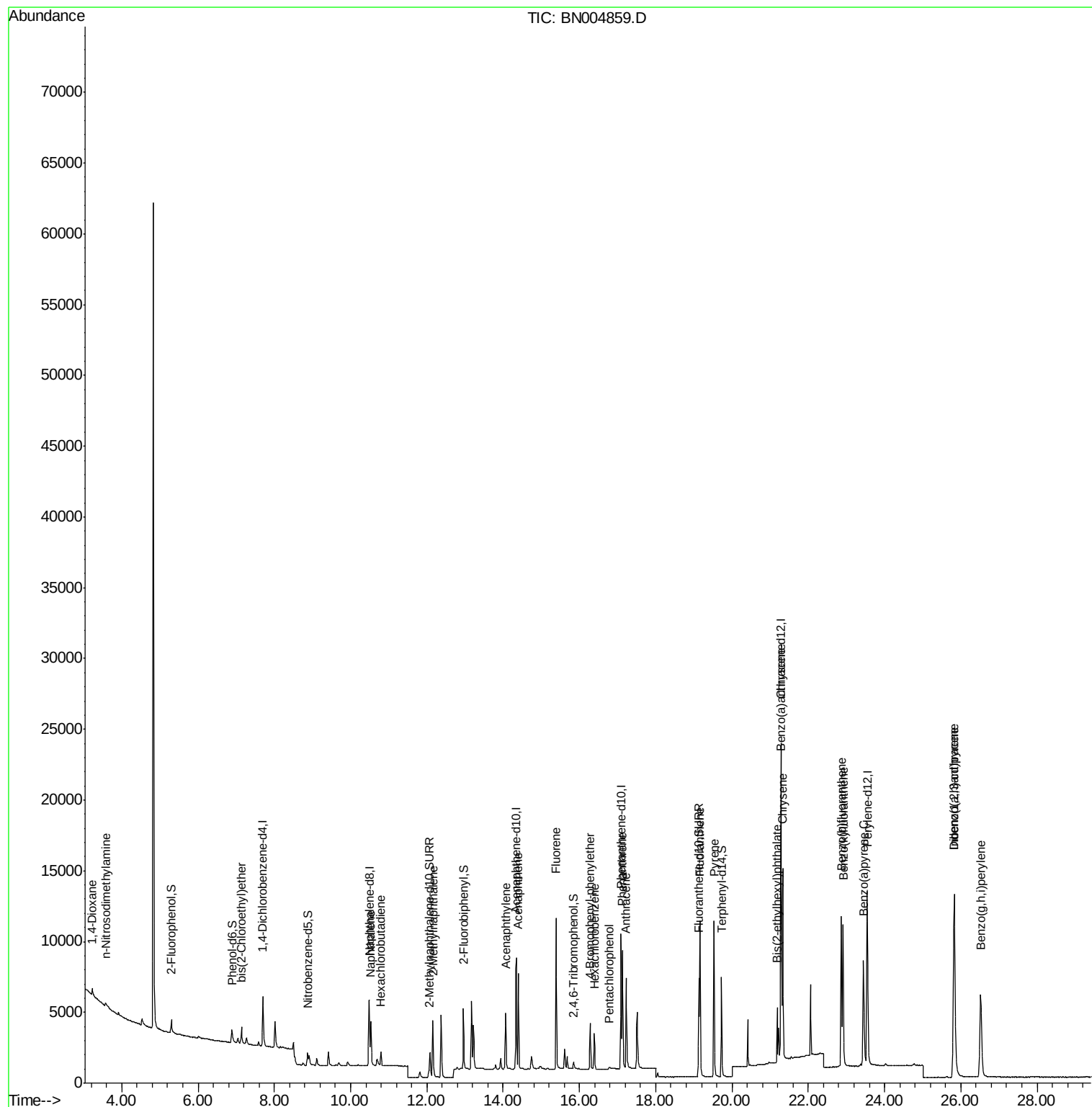
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	346	0.164	ng	# 54
3) n-Nitrosodimethylamine	3.58	42	209	0.167	ng	# 93
6) bis(2-Chloroethyl)ether	7.14	93	1126	0.198	ng	99
9) Naphthalene	10.53	128	4737	0.213	ng	98
10) Hexachlorobutadiene	10.80	225	881	0.207	ng	# 97
12) 2-Methylnaphthalene	12.15	142	3473	0.210	ng	98
16) Acenaphthylene	14.06	152	4830	0.190	ng	99
17) Acenaphthene	14.40	154	3446	0.207	ng	99
18) Fluorene	15.39	166	4859	0.209	ng	99
20) 4-Bromophenyl-phenylether	16.28	248	1709	0.192	ng	96
21) Hexachlorobenzene	16.39	284	2022	0.198	ng	98
22) Pentachlorophenol	16.78	266	133	0.067	ng	86
23) Phenanthrene	17.13	178	8842	0.201	ng	99
24) Anthracene	17.23	178	7471	0.190	ng	99
26) Fluoranthene	19.16	202	10807	0.191	ng	100
28) Pyrene	19.53	202	11136	0.209	ng	99
30) Benzo(a)anthracene	21.28	228	11062	0.193	ng	99
31) Chrysene	21.33	228	12678	0.210	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	3436	0.150	ng	98
33) Indeno(1,2,3-cd)pyrene	25.82	276	16218	0.185	ng	100
35) Benzo(b)fluoranthene	22.87	252	13576	0.201	ng	97
36) Benzo(k)fluoranthene	22.91	252	14298	0.215	ng	99
37) Benzo(a)pyrene	23.45	252	12934	0.209	ng	97
38) Dibenzo(a,h)anthracene	25.83	278	13489	0.188	ng	99
39) Benzo(g,h,i)perylene	26.52	276	13979	0.191	ng	99

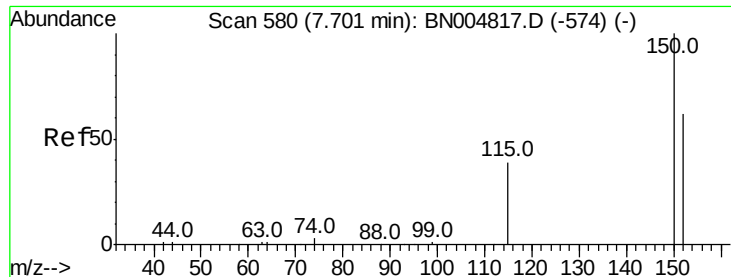
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

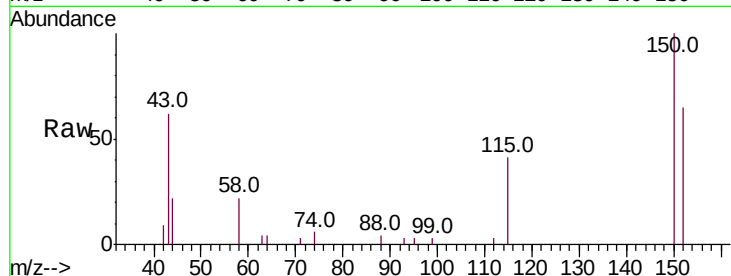
Tot Ion:152 Resp: 1859

Ion Ratio Lower Upper

152 100

150 153.5 126.2 189.4

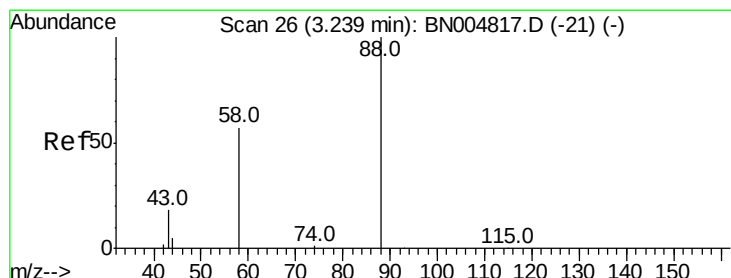
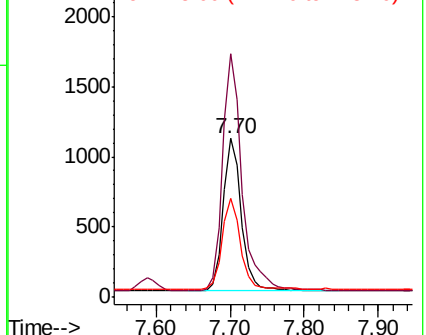
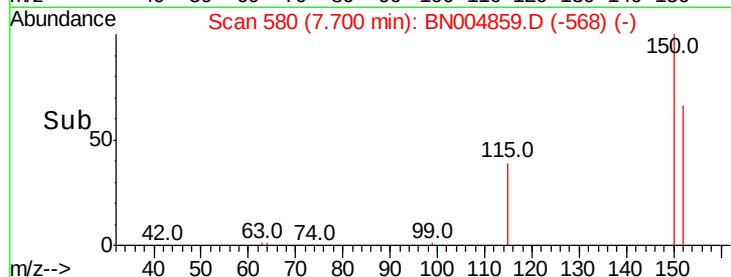
115 62.3 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.164 ng

RT: 3.23 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

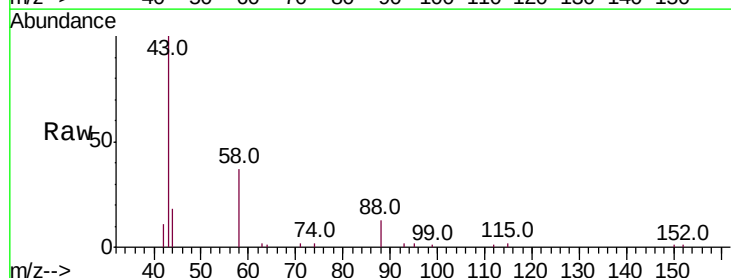
Tgt Ion: 88 Resp: 346

Ion Ratio Lower Upper

88 100

58 99.1 51.4 77.2#

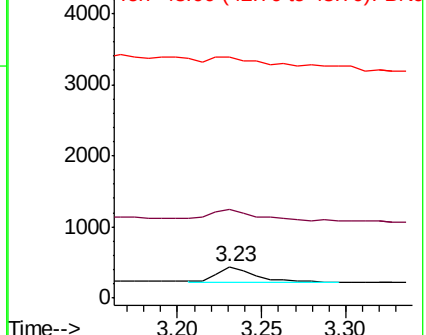
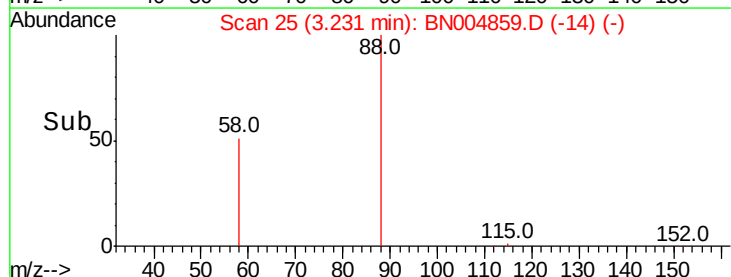
43 0.0 20.0 30.0#

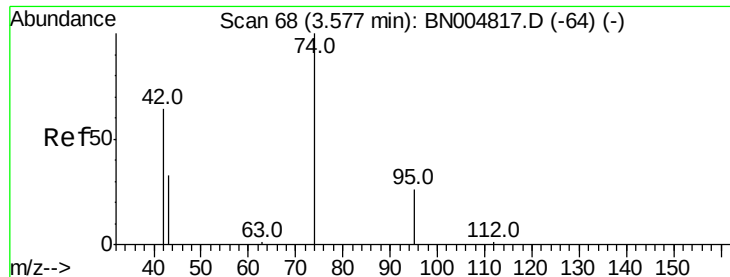


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.167 ng

RT: 3.58 min Scan# 68

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

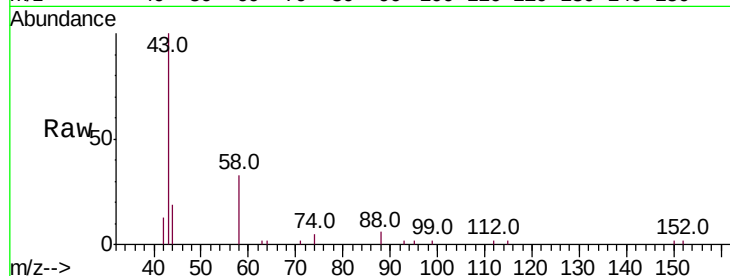
Tot Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

74 167.0 128.4 192.6

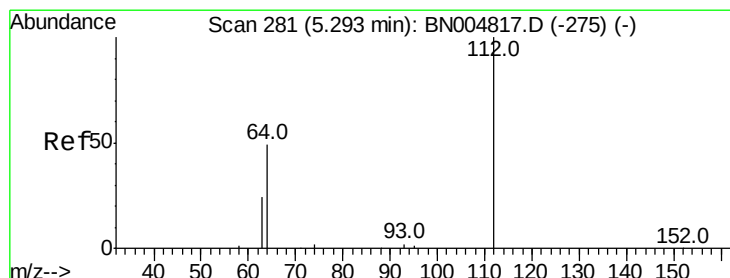
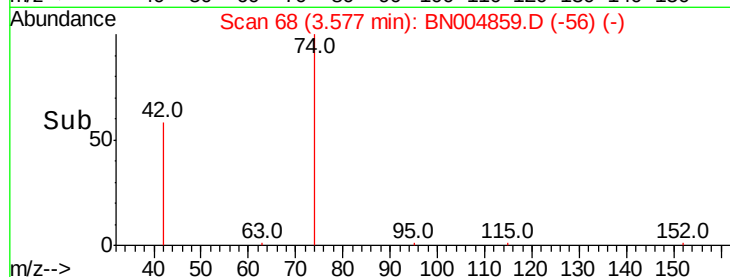
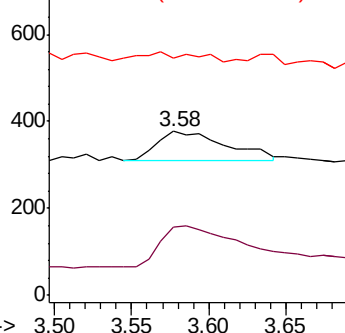
44 24.4 6.1 9.1#



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: 0.218 ng

RT: 5.30 min Scan# 282

Delta R.T. 0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

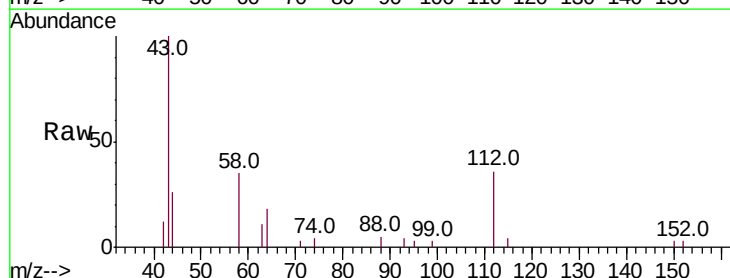
Tgt Ion: 112 Resp: 1099

Ion Ratio Lower Upper

112 100

64 51.4 40.0 60.0

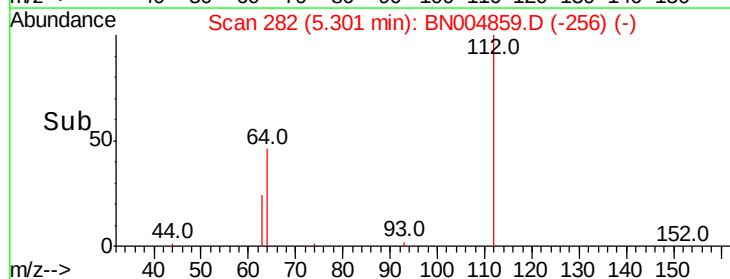
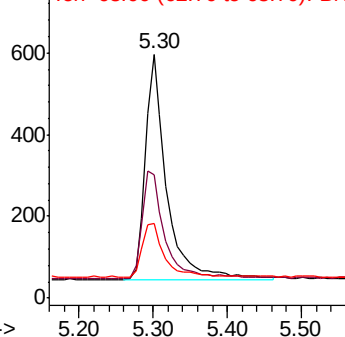
63 25.5 20.2 30.2

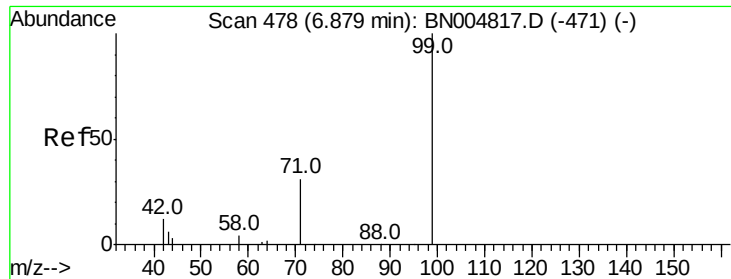


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.207 ng

RT: 6.89 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

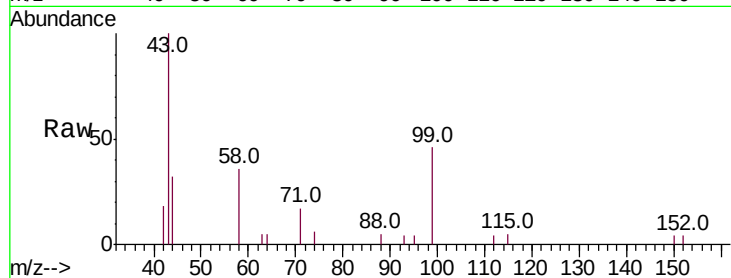
Tot Ion: 99 Resp: 1302

Ion Ratio Lower Upper

99 100

42 14.4 12.7 19.1

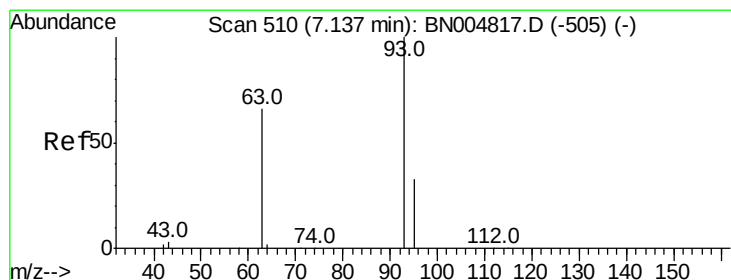
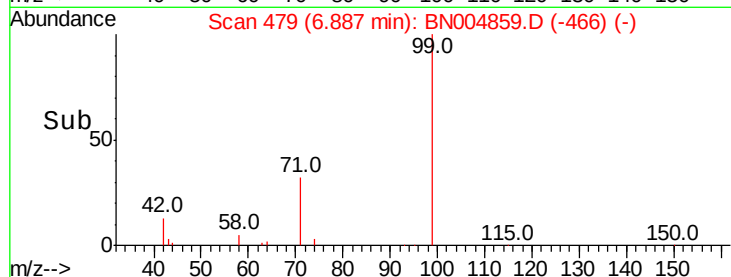
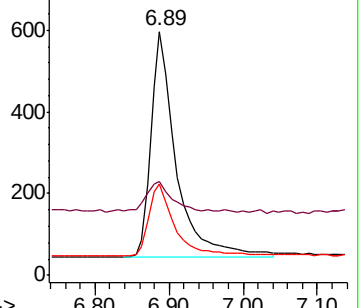
71 33.5 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.198 ng

RT: 7.14 min Scan# 510

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

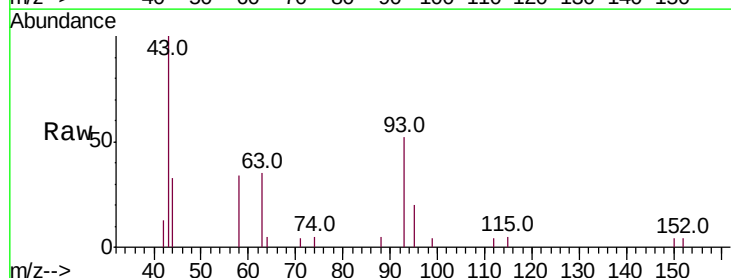
Tgt Ion: 93 Resp: 1126

Ion Ratio Lower Upper

93 100

63 64.9 52.6 78.8

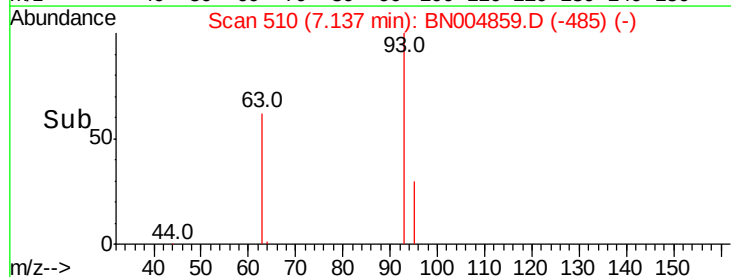
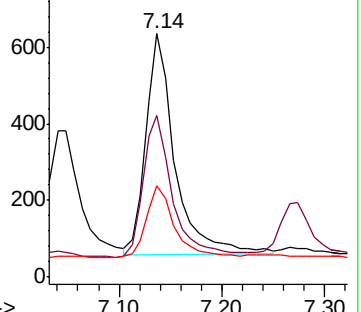
95 31.9 25.9 38.9

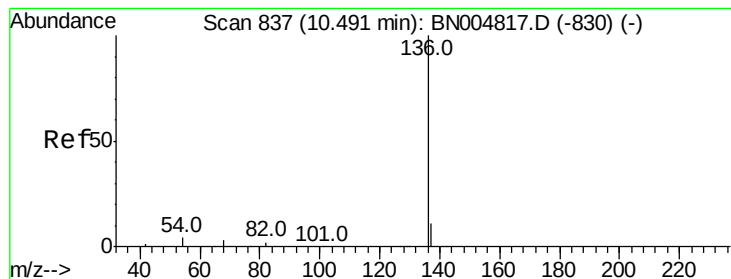


Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN004817.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN004817.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

Tot Ion:136 Resp: 7945

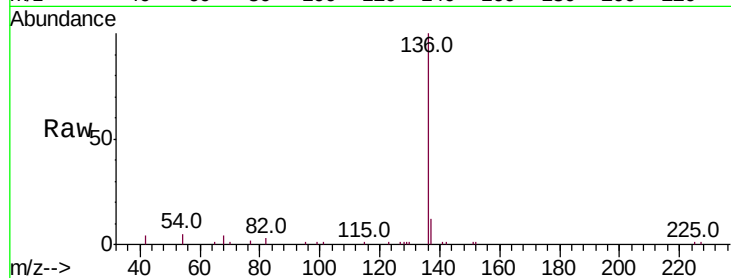
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 4.8 4.2 6.2

68 4.3 3.9 5.9

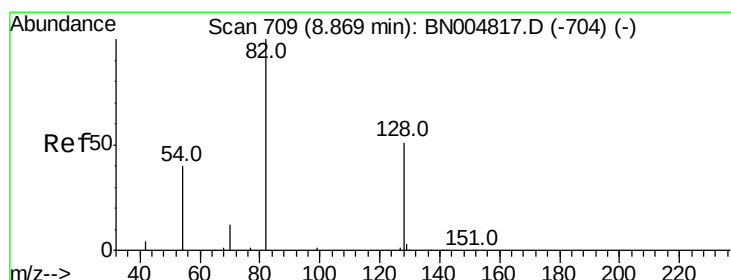
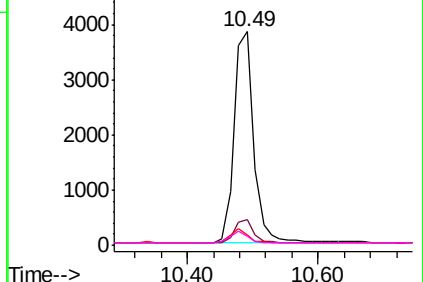
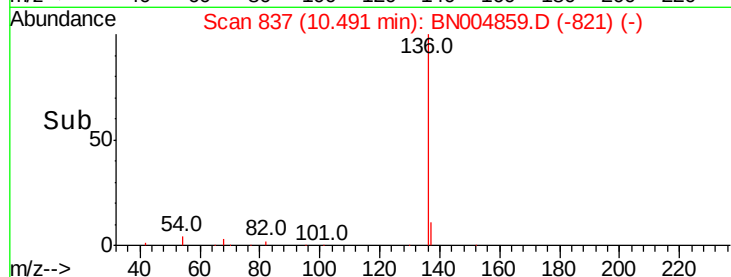


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.180 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

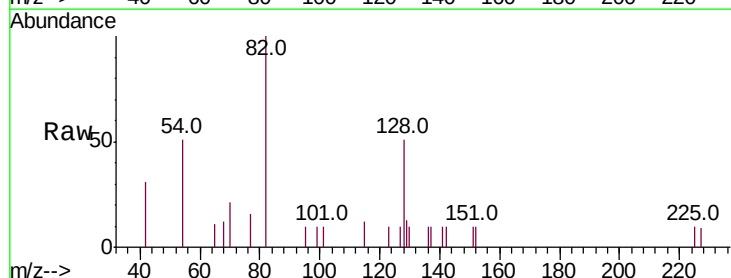
Tgt Ion: 82 Resp: 944

Ion Ratio Lower Upper

82 100

128 51.3 43.0 64.6

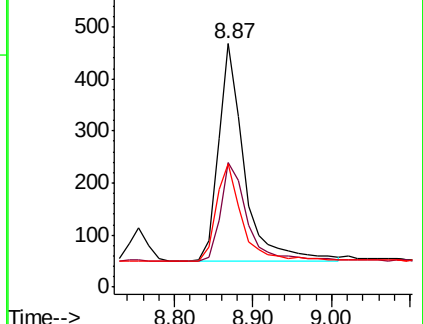
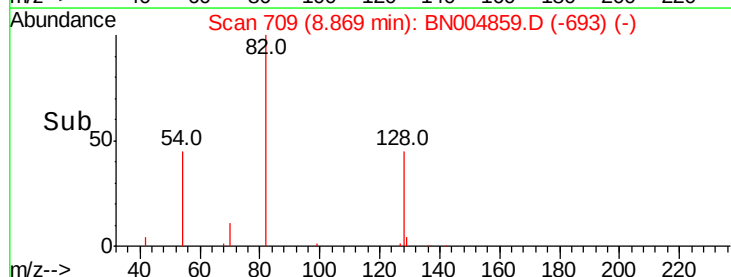
54 50.6 35.3 52.9

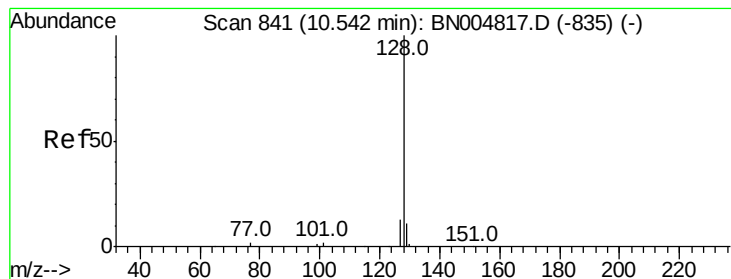


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.213 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

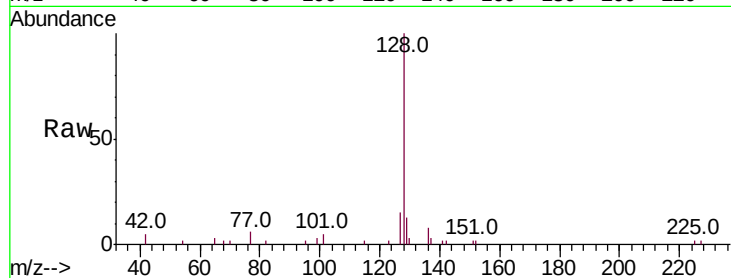
Tot Ion:128 Resp: 4737

Ion Ratio Lower Upper

128 100

129 12.9 9.9 14.9

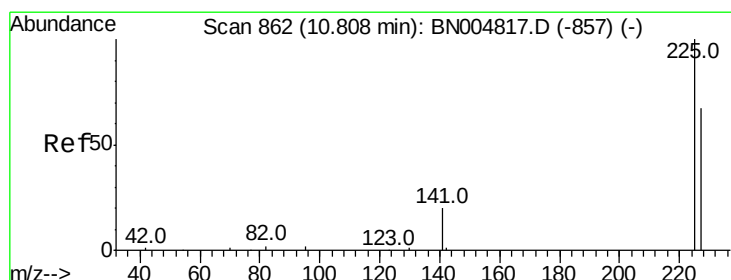
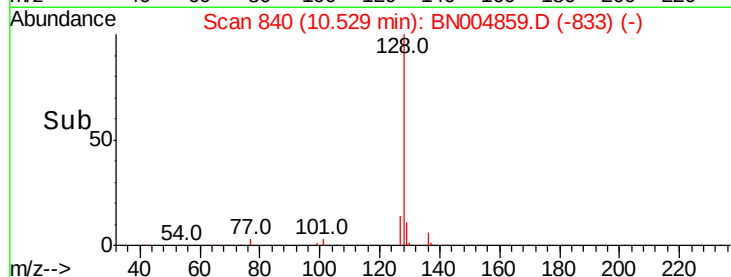
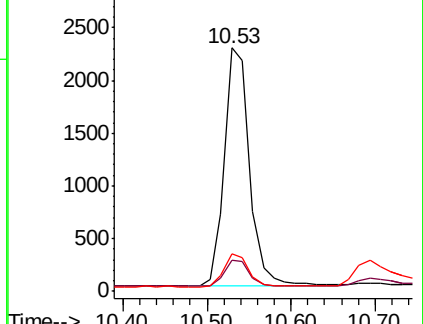
127 15.2 11.3 16.9



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: 0.207 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

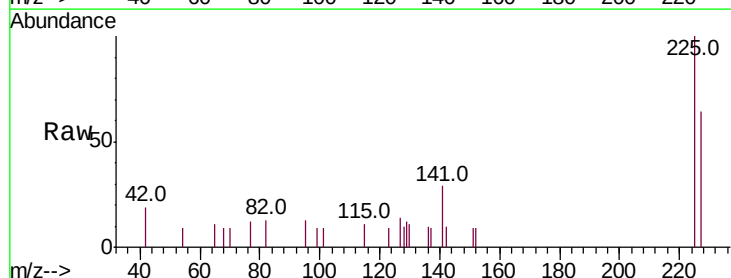
Tgt Ion:225 Resp: 881

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

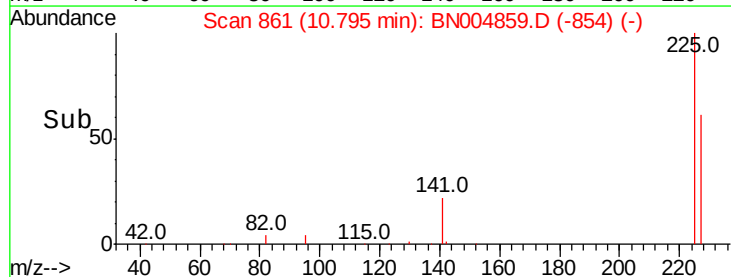
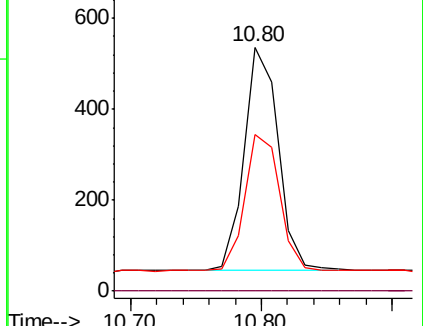
227 62.5 52.2 78.4

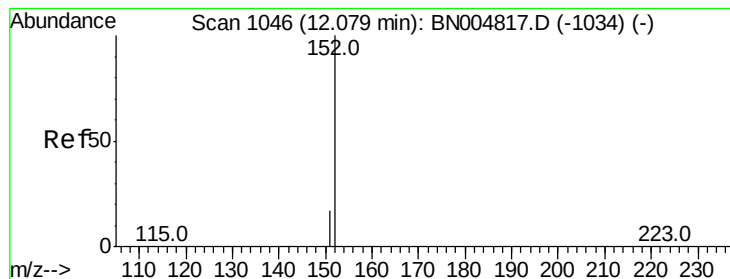


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.274 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

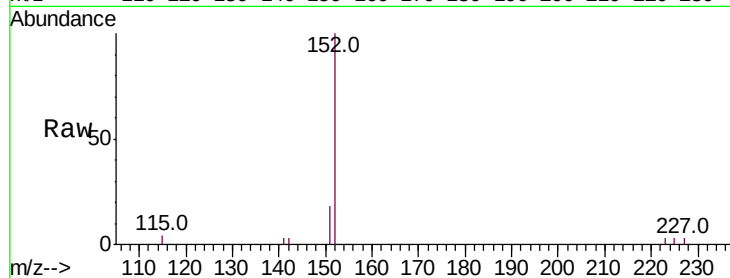
PB118153BS

Tot Ion:152 Resp: 3805

Ion Ratio Lower Upper

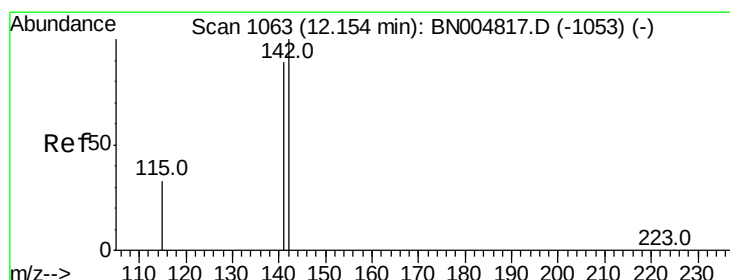
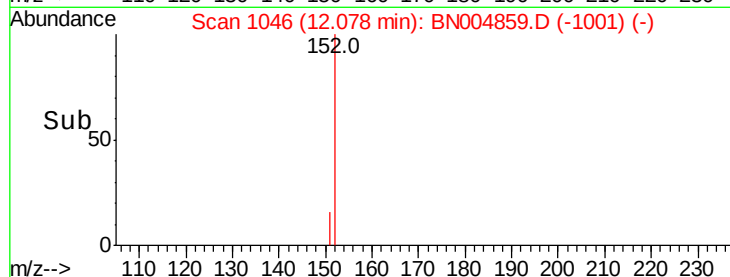
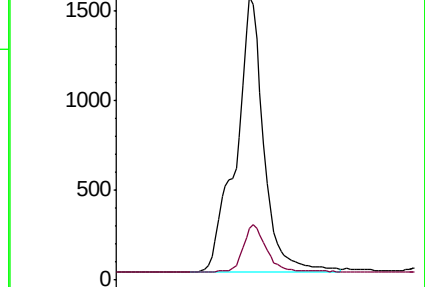
152 100

151 14.5 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.210 ng

RT: 12.15 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

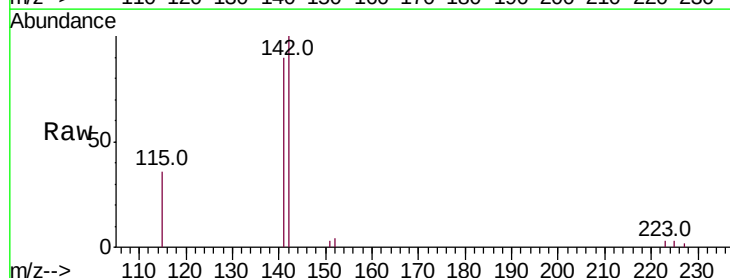
Tgt Ion:142 Resp: 3473

Ion Ratio Lower Upper

142 100

141 90.2 71.4 107.2

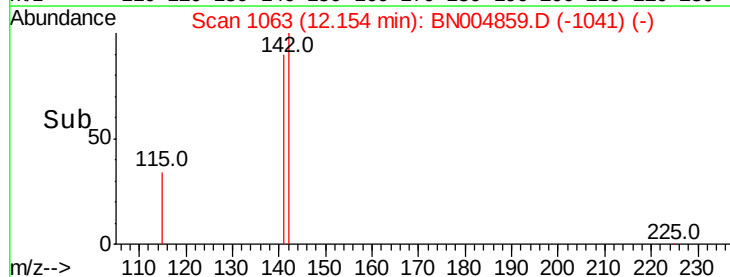
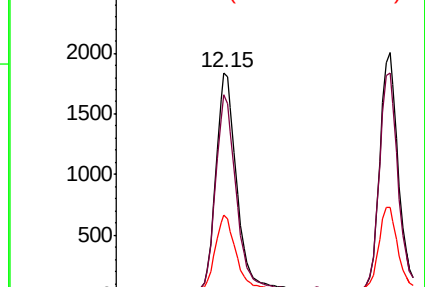
115 36.1 27.5 41.3

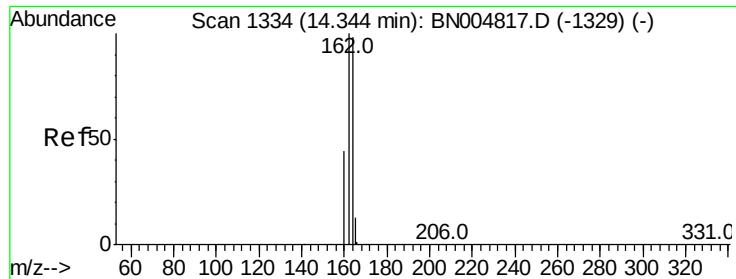


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

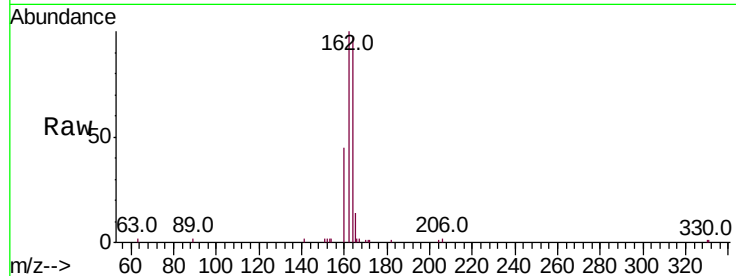
Tot Ion:164 Resp: 4928

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

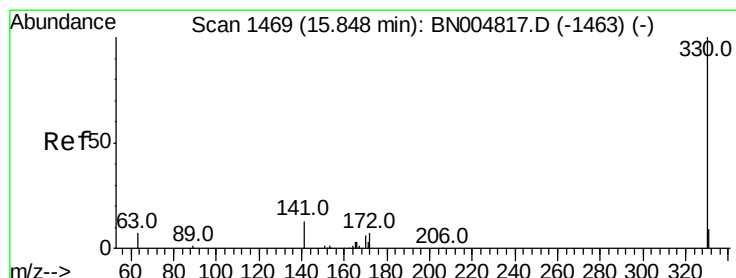
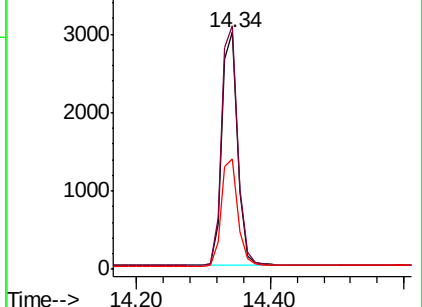
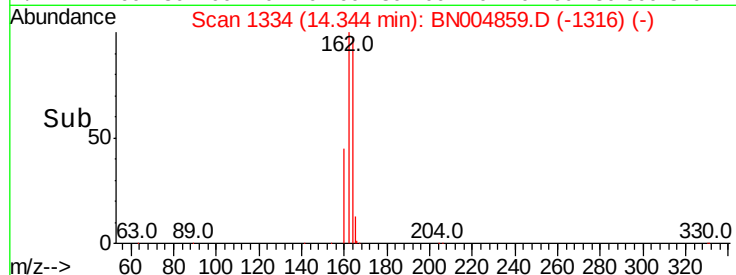
160 46.5 36.6 54.8



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: 0.165 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

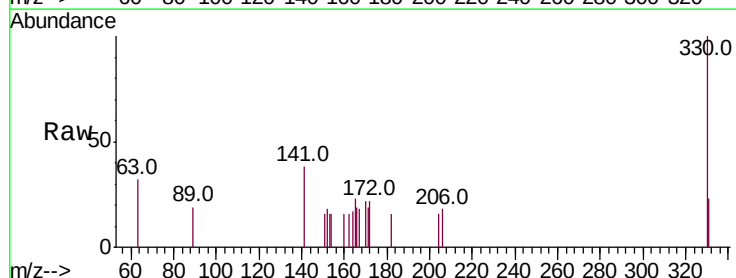
Tgt Ion:330 Resp: 562

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

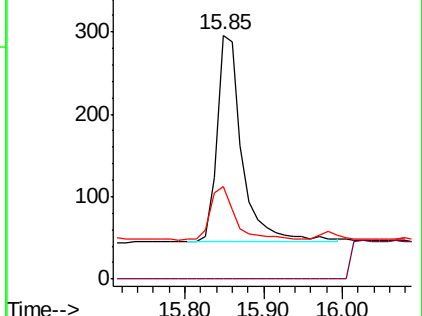
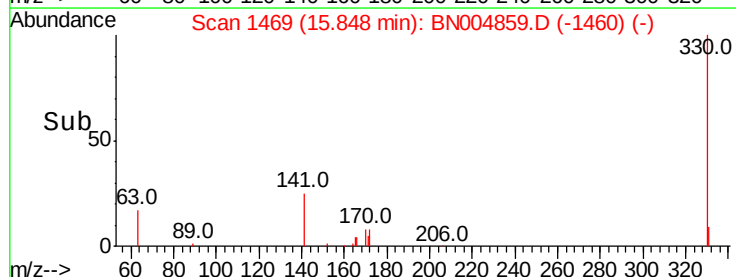
141 26.0 20.9 31.3

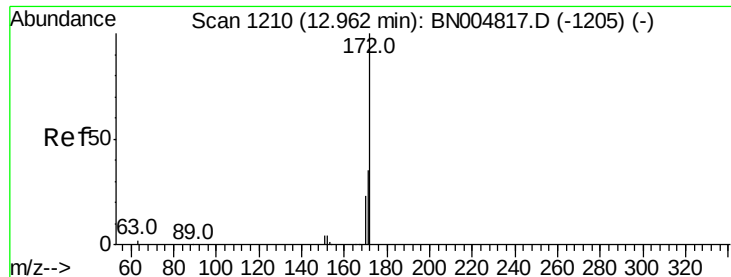


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

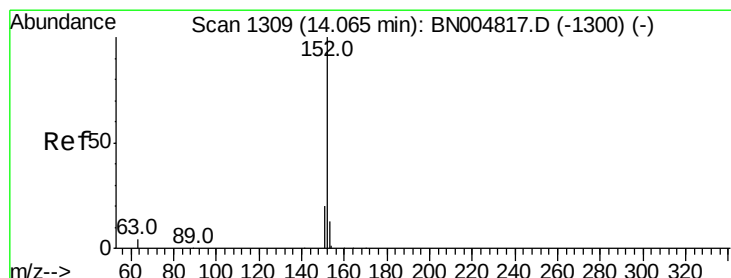
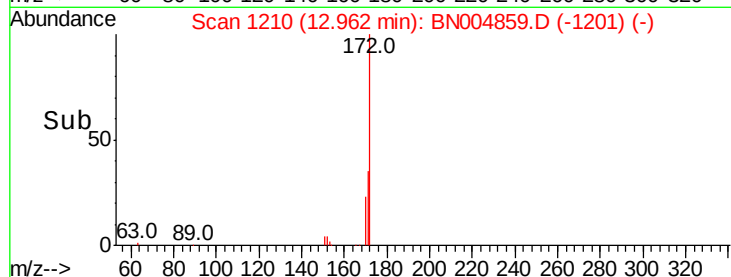
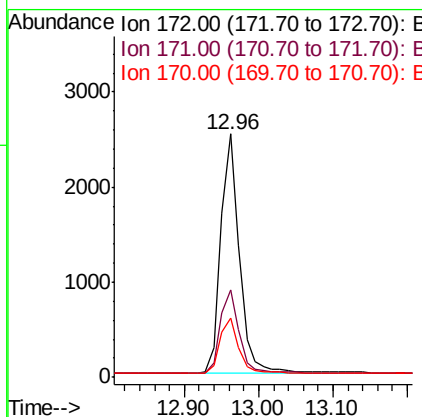
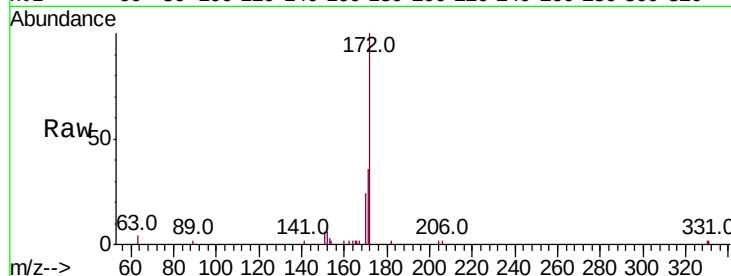




#15
2-Fluorobiphenyl
Concen: 0.215 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004859.D
Acq: 21 Mar 2019 20:34

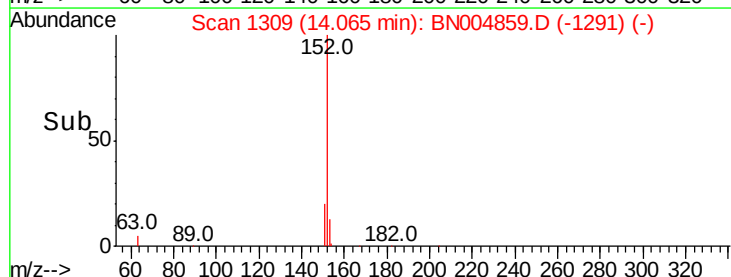
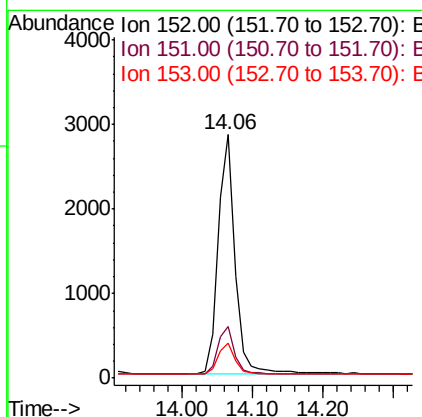
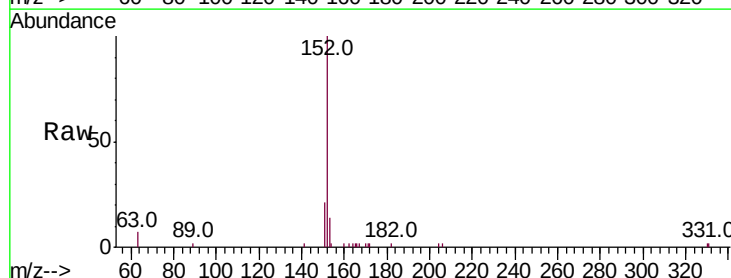
Instrument :
BNA_N
ClientSampleId :
PB118153BS

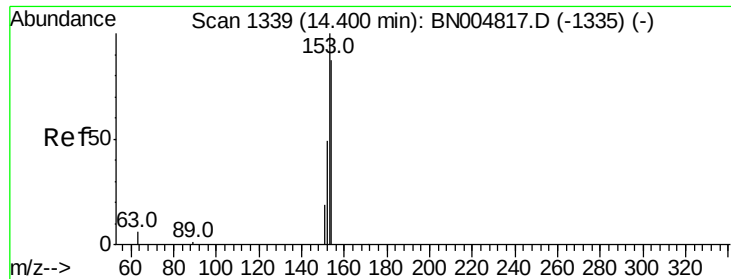
Tot Ion:172 Resp: 4381
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.1 18.7 28.1



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.06 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004859.D
Acq: 21 Mar 2019 20:34

Tgt Ion:152 Resp: 4830
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.207 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

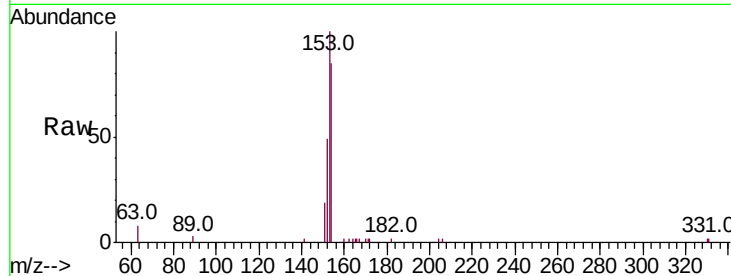
Tot Ion:154 Resp: 3446

Ion Ratio Lower Upper

154 100

153 115.7 91.4 137.2

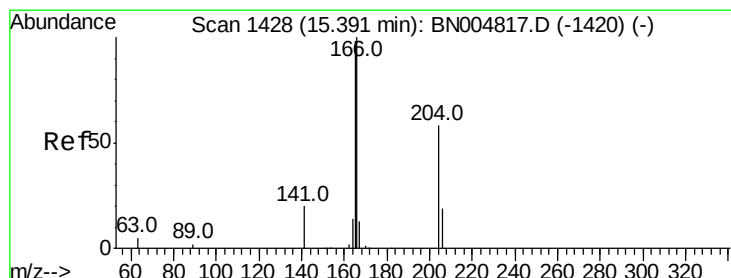
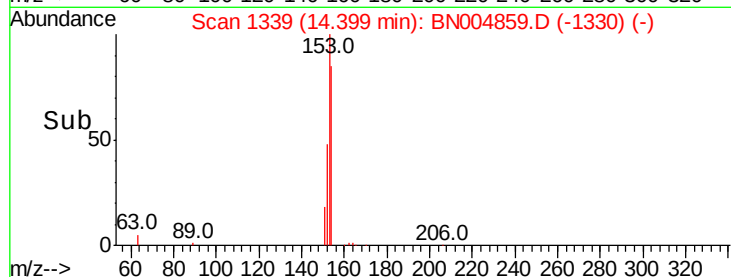
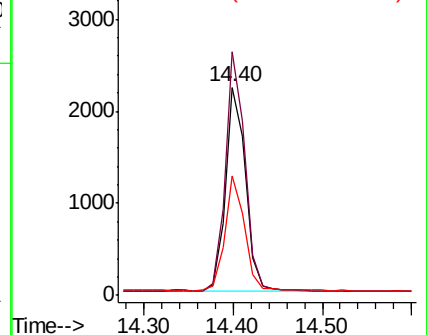
152 55.3 44.2 66.2



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: 0.209 ng

RT: 15.39 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

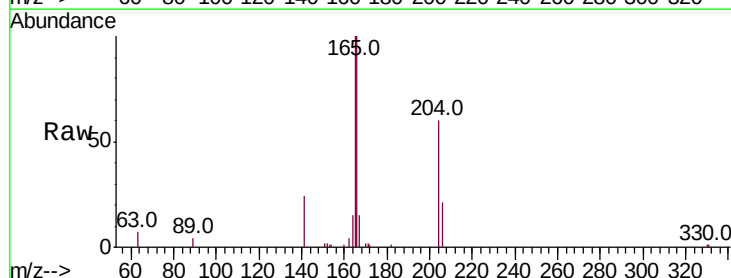
Tgt Ion:166 Resp: 4859

Ion Ratio Lower Upper

166 100

165 98.8 78.2 117.4

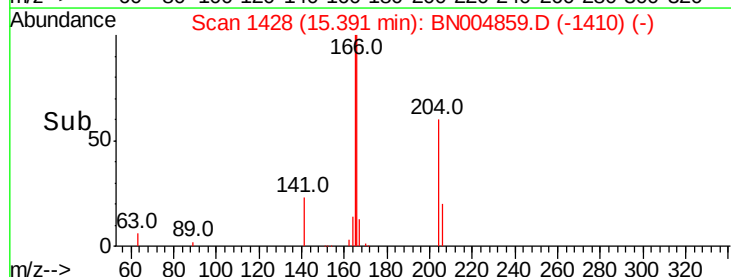
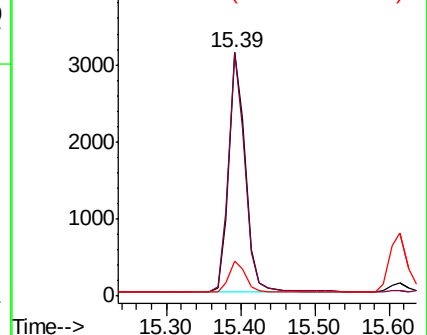
167 13.4 11.0 16.4

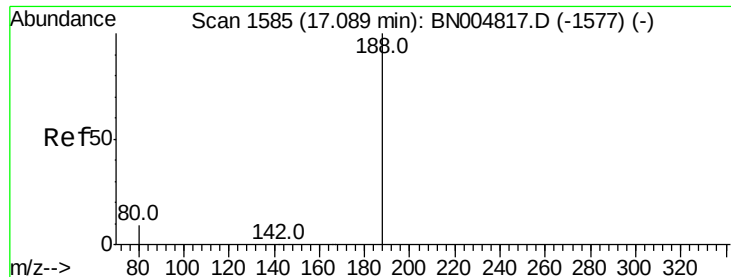


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

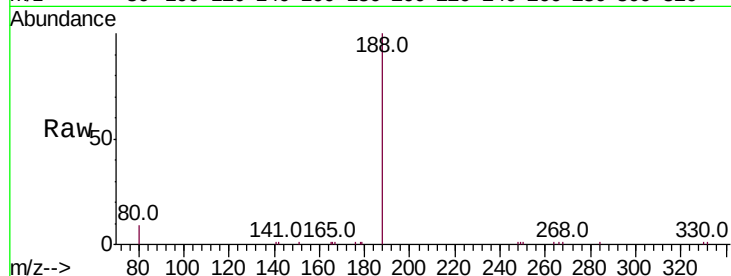
Tot Ion:188 Resp: 13642

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

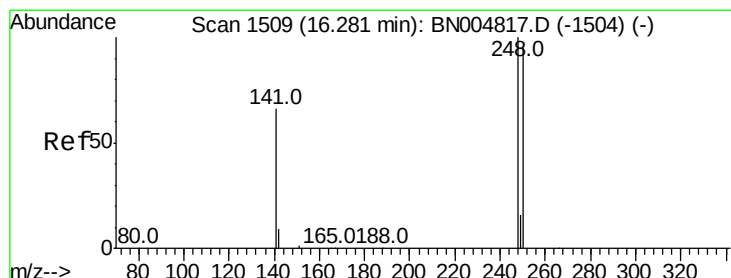
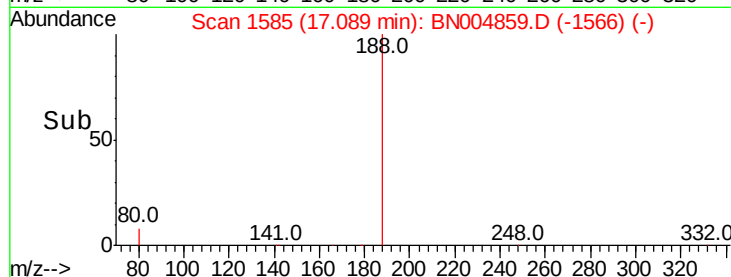
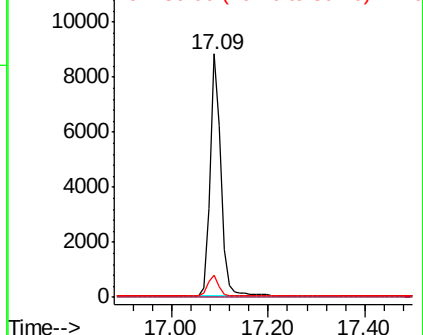
80 8.8 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.192 ng

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

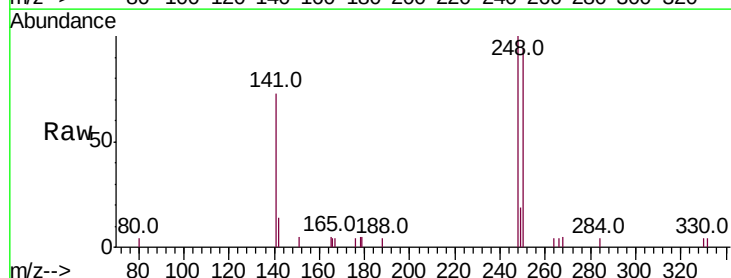
Tgt Ion:248 Resp: 1709

Ion Ratio Lower Upper

248 100

250 94.4 76.2 114.4

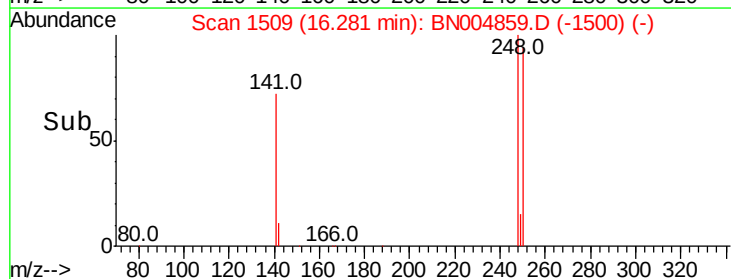
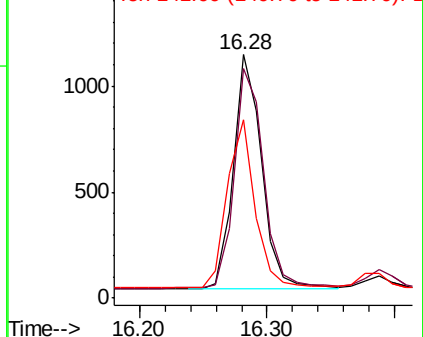
141 73.3 53.9 80.9

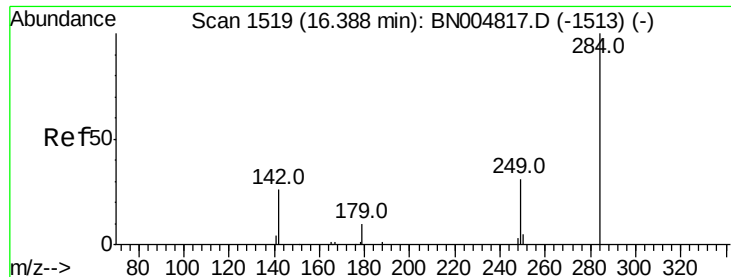


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.198 ng

RT: 16.39 min Scan# 1519

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

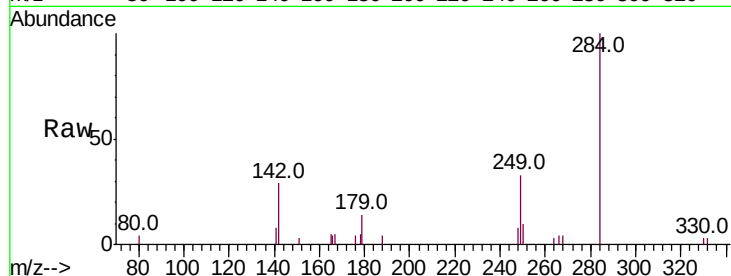
Tot Ion:284 Resp: 2022

Ion Ratio Lower Upper

284 100

142 29.5 22.6 34.0

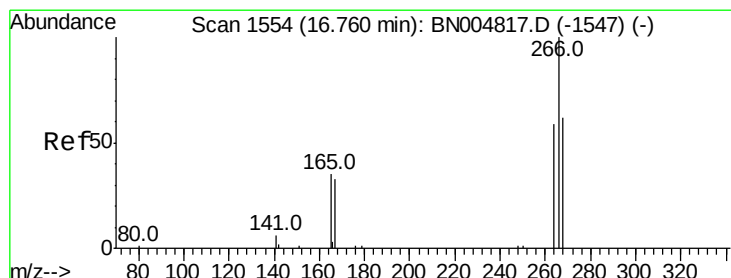
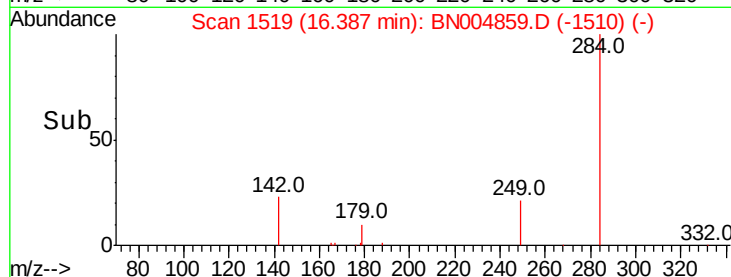
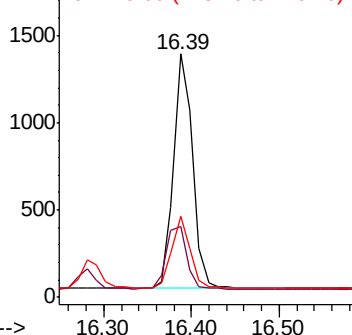
249 28.8 22.5 33.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.067 ng

RT: 16.78 min Scan# 1556

Delta R.T. 0.02 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

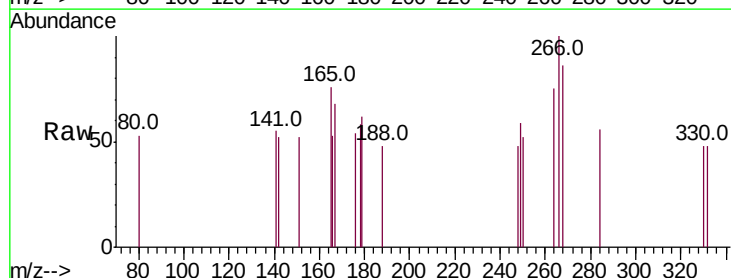
Tgt Ion:266 Resp: 133

Ion Ratio Lower Upper

266 100

264 75.3 53.1 79.7

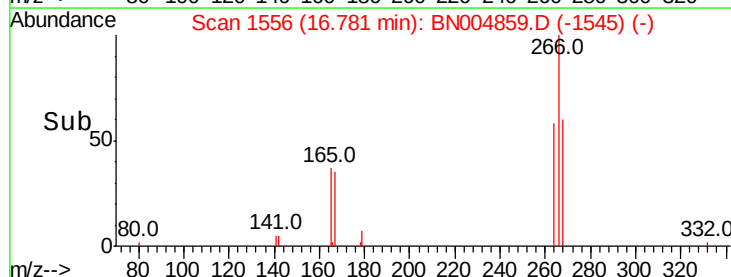
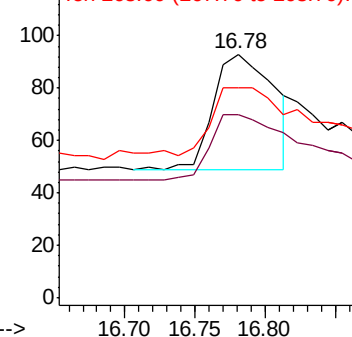
268 86.0 57.7 86.5

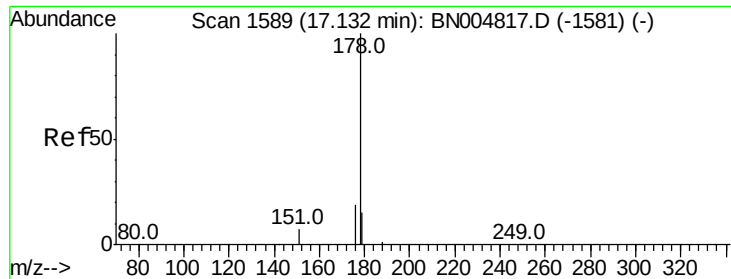


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.201 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

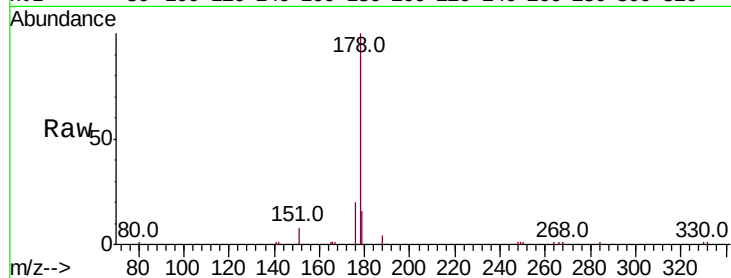
Tot Ion:178 Resp: 8842

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

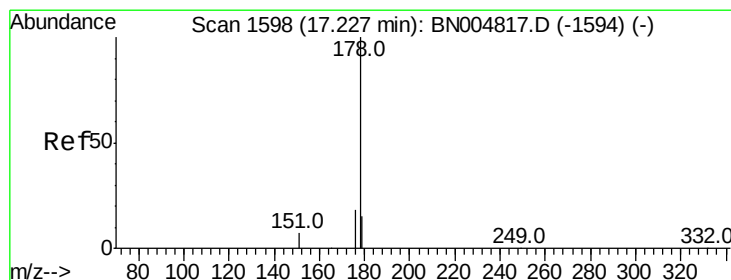
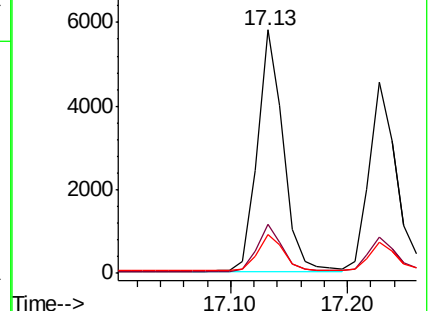
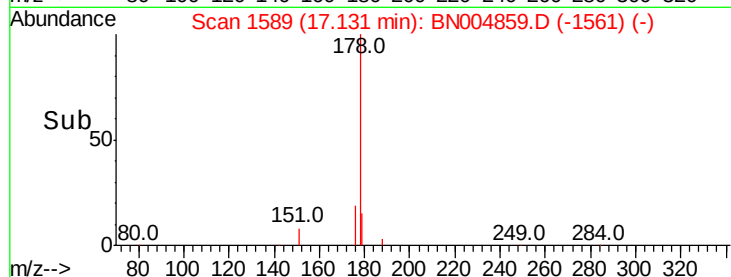
179 15.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.190 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

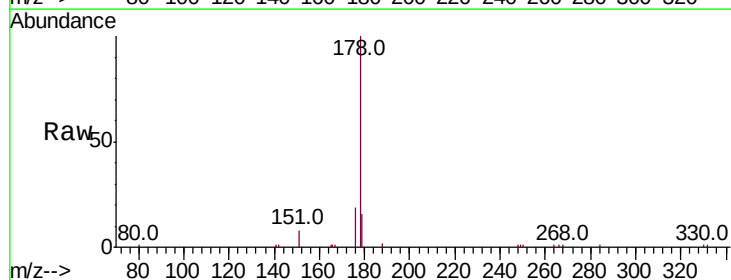
Tgt Ion:178 Resp: 7471

Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

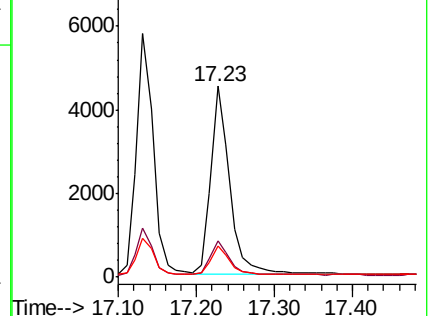
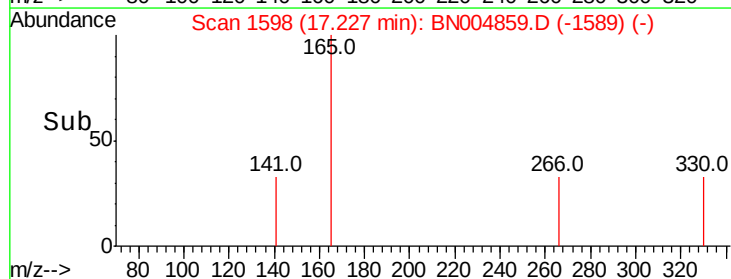
179 15.3 12.2 18.4

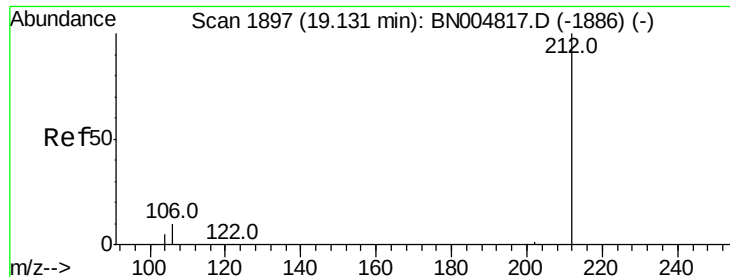


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.196 ng

RT: 19.13 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

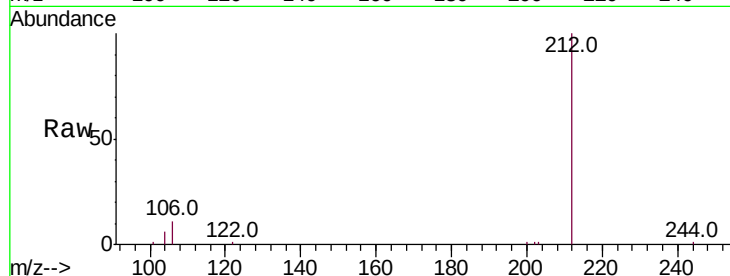
Tot Ion:212 Resp: 8935

Ion Ratio Lower Upper

212 100

106 10.7 8.6 13.0

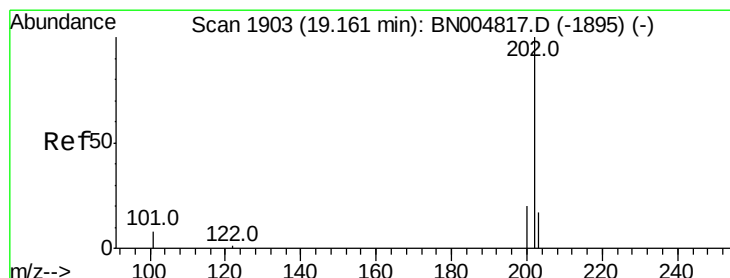
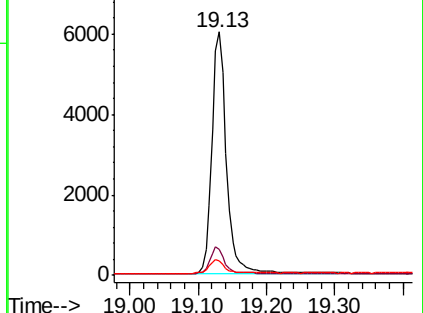
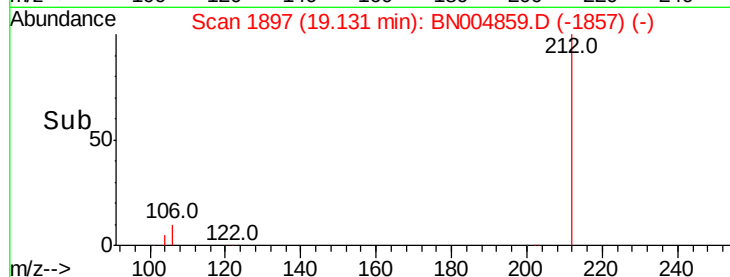
104 5.8 4.7 7.1



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: 0.191 ng

RT: 19.16 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

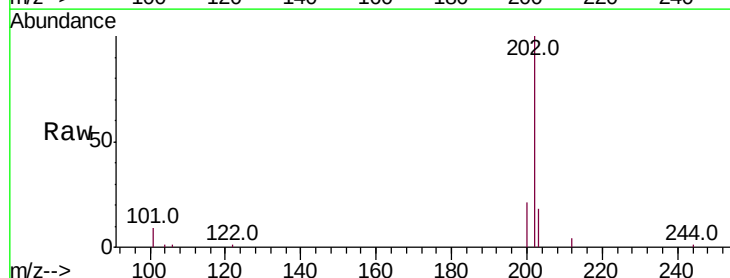
Tgt Ion:202 Resp: 10807

Ion Ratio Lower Upper

202 100

101 9.4 7.5 11.3

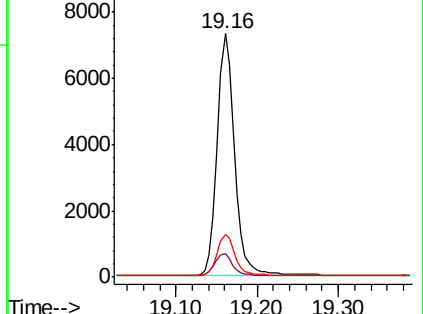
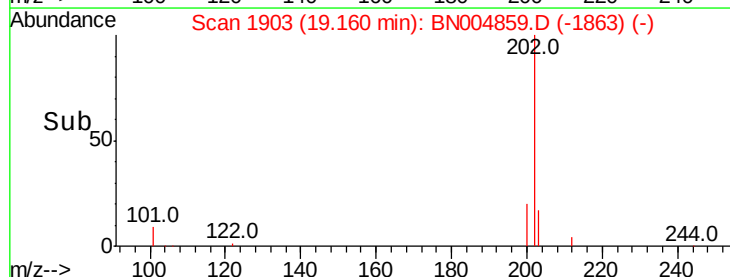
203 17.1 13.8 20.6

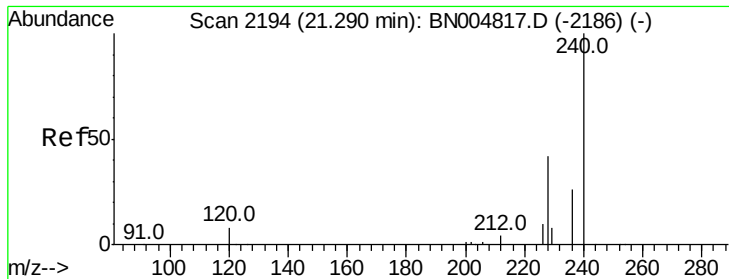


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

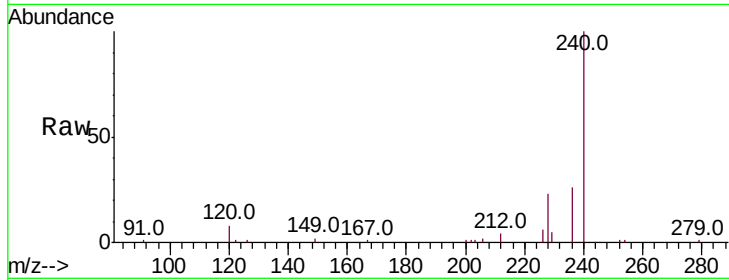
Tot Ion:240 Resp: 17500

Ion Ratio Lower Upper

240 100

120 8.5 7.2 10.8

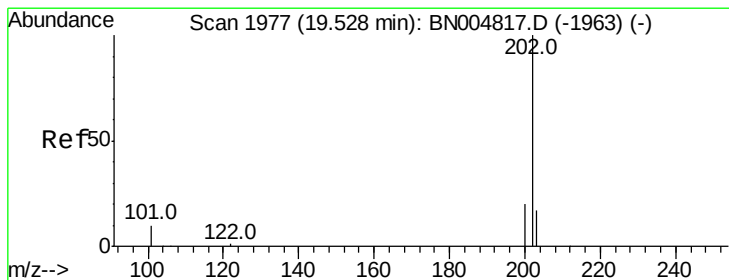
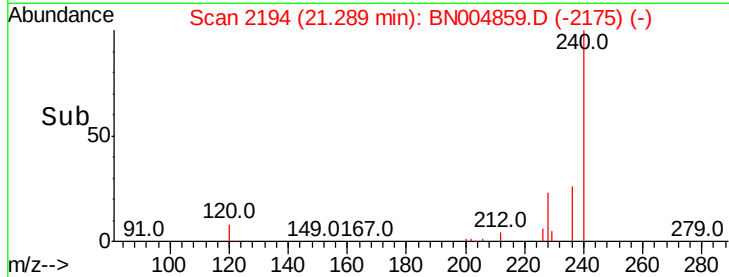
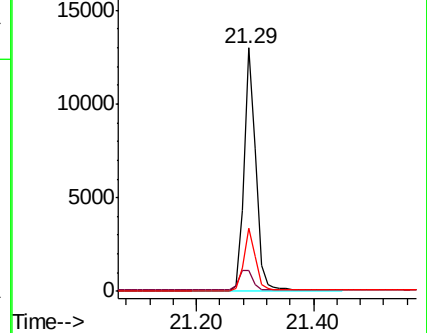
236 26.0 20.9 31.3



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: 0.209 ng

RT: 19.53 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

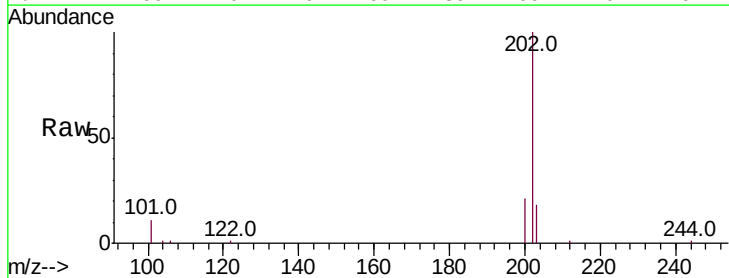
Tgt Ion:202 Resp: 11136

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

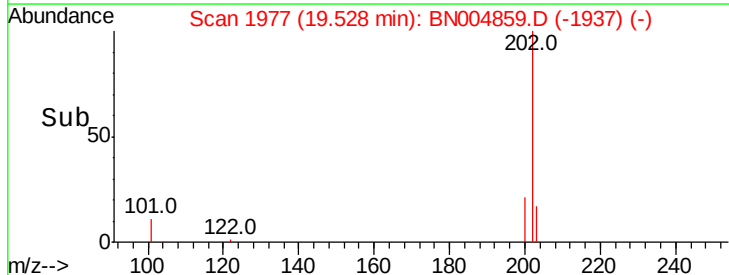
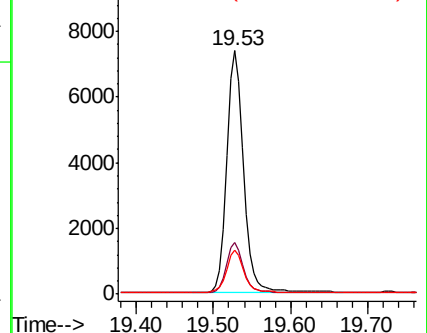
203 17.8 14.0 21.0

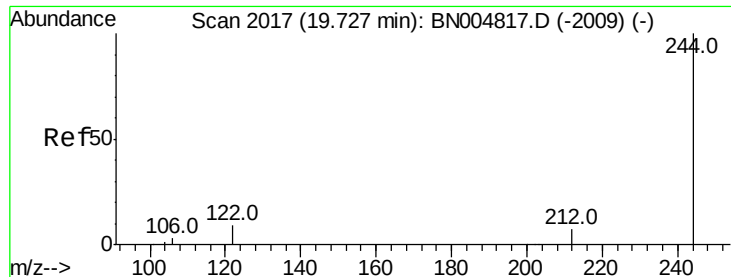


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.213 ng

RT: 19.73 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

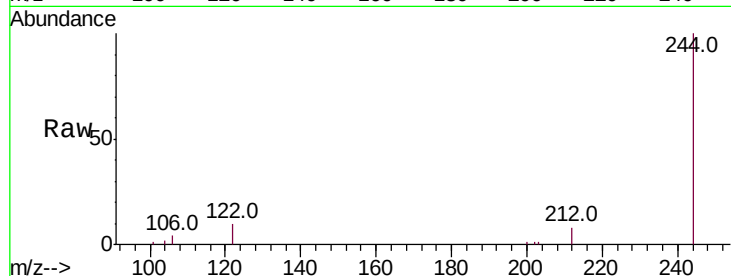
Tot Ion:244 Resp: 7642

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

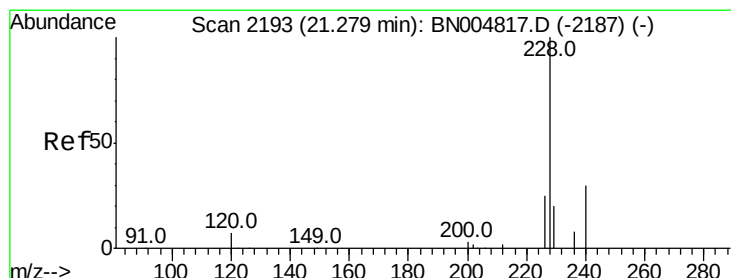
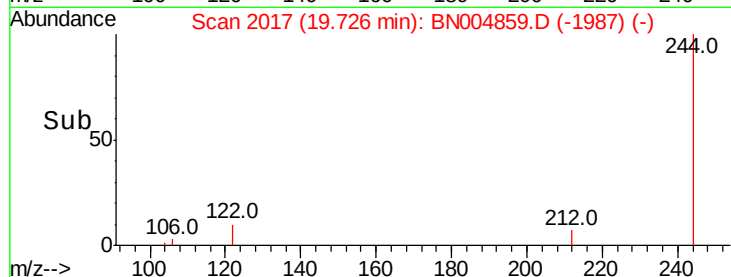
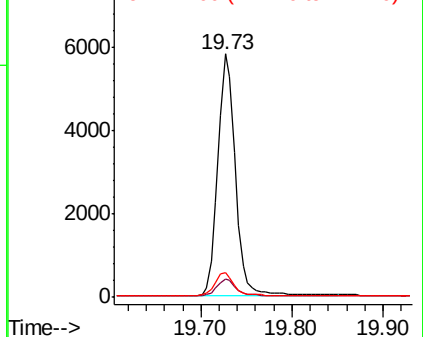
122 10.3 7.9 11.9



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: 0.193 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

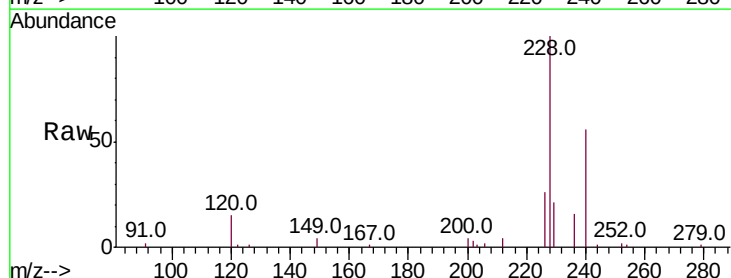
Tgt Ion:228 Resp: 11062

Ion Ratio Lower Upper

228 100

226 26.4 20.6 31.0

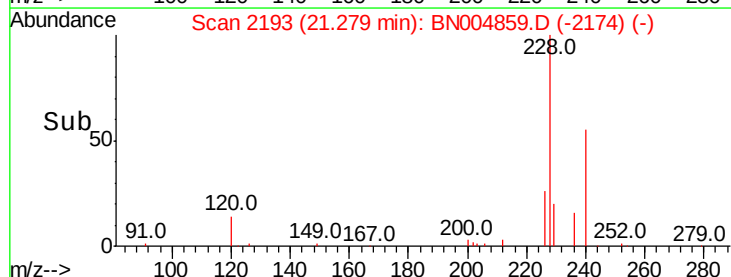
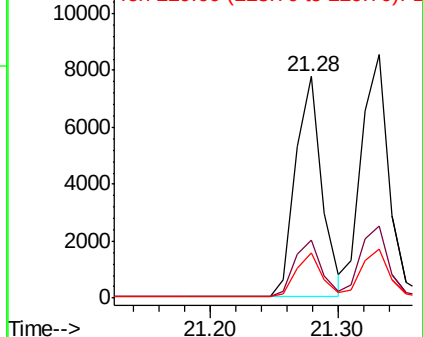
229 20.5 16.2 24.4

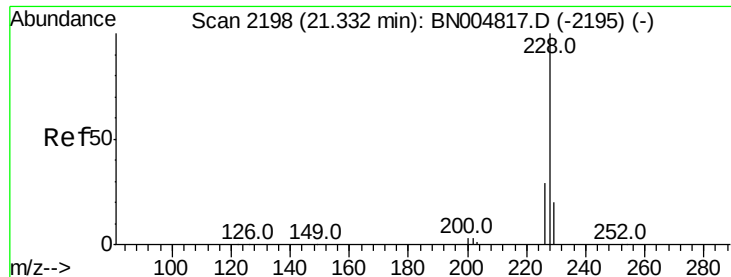


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.210 ng

RT: 21.33 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

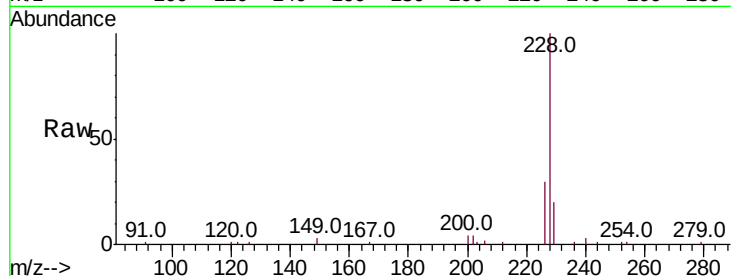
Tot Ion:228 Resp: 12678

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.6

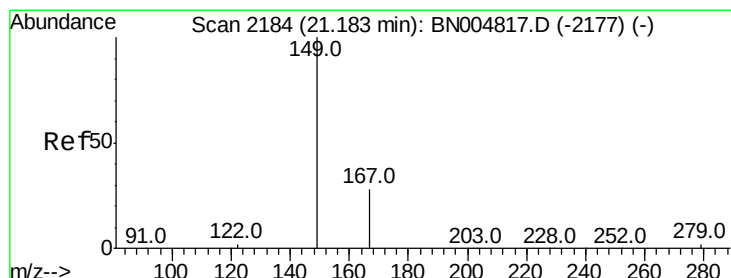
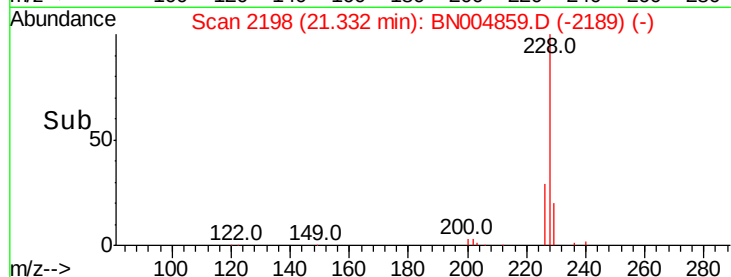
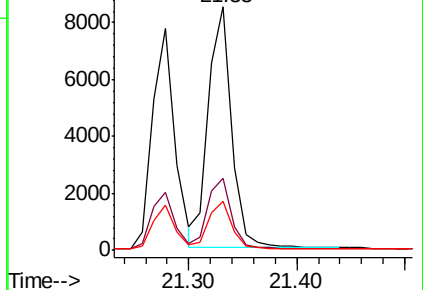
229 20.4 16.2 24.2



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: 0.150 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

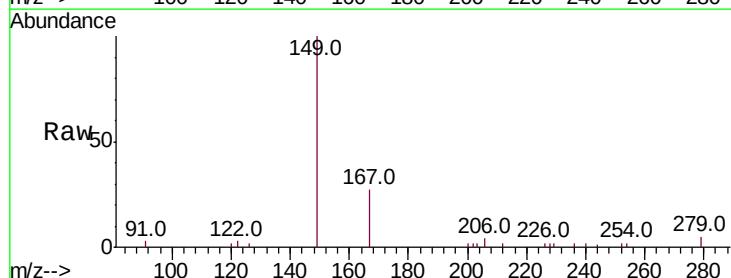
Tgt Ion:149 Resp: 3436

Ion Ratio Lower Upper

149 100

167 27.4 23.0 34.4

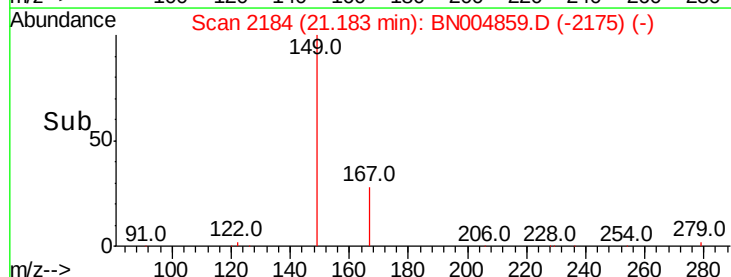
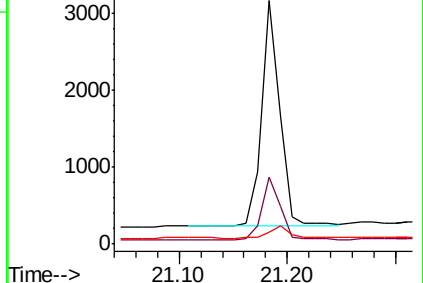
279 5.5 4.6 6.8

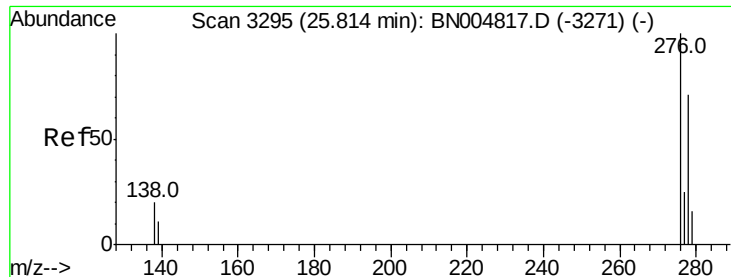


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.185 ng

RT: 25.82 min Scan# 3297

Delta R.T. 0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

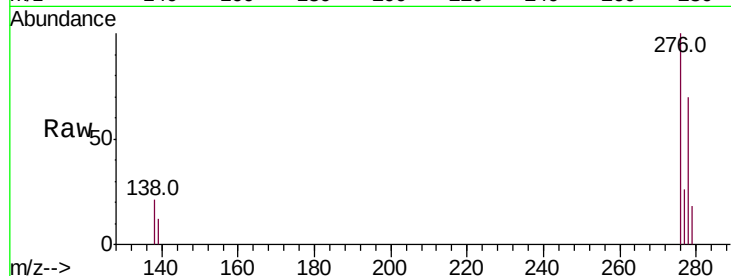
Tot Ion:276 Resp: 16218

Ion Ratio Lower Upper

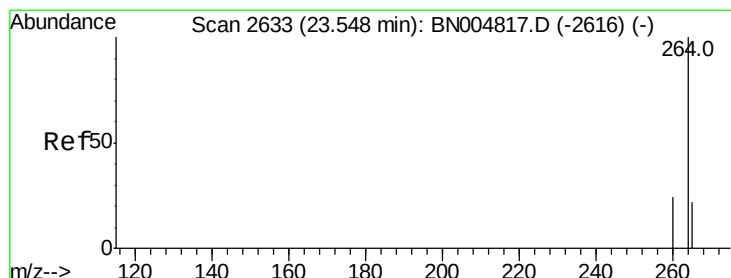
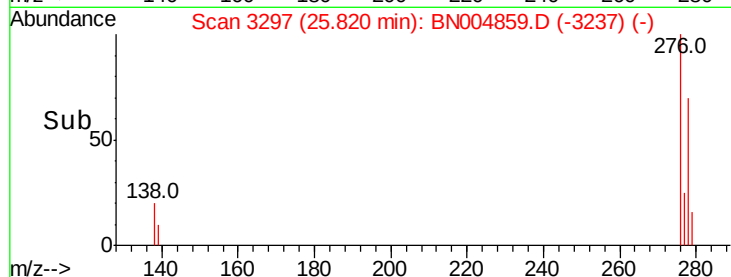
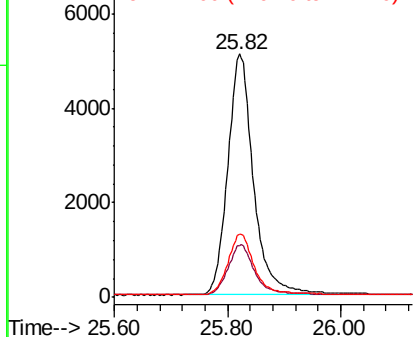
276 100

138 20.9 16.6 24.8

277 25.5 20.3 30.5



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: 23.54 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

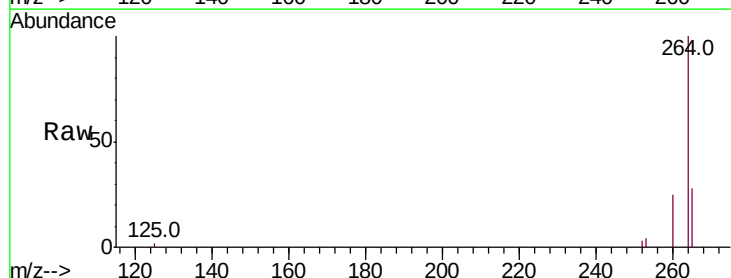
Tgt Ion:264 Resp: 18671

Ion Ratio Lower Upper

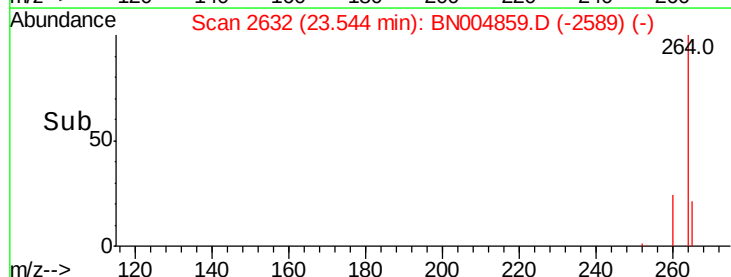
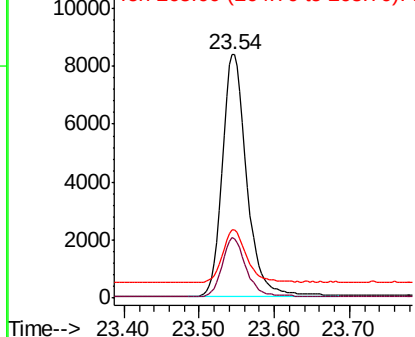
264 100

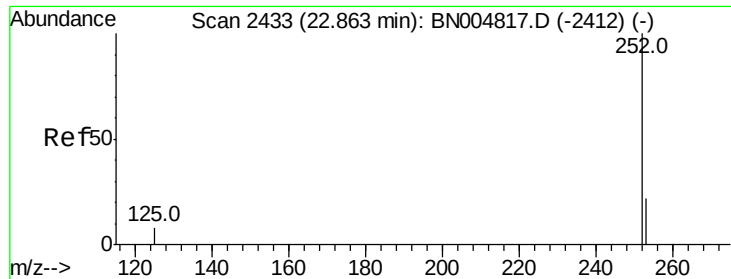
260 24.9 19.5 29.3

265 27.8 23.1 34.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.201 ng

RT: 22.87 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

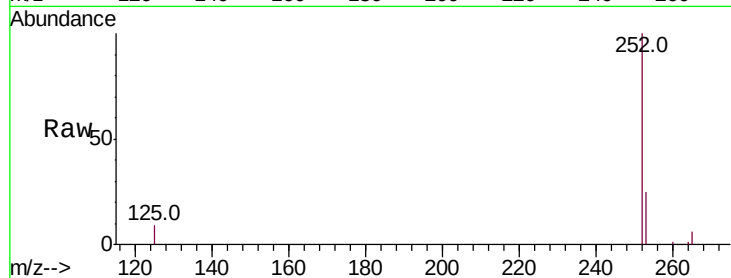
Tot Ion:252 Resp: 13576

Ion Ratio Lower Upper

252 100

253 25.3 19.0 28.4

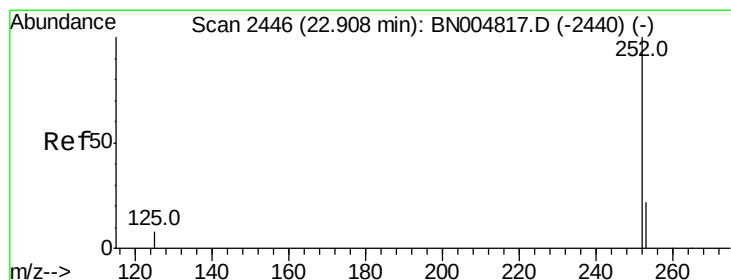
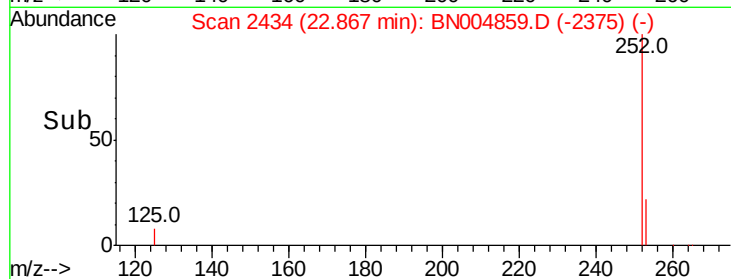
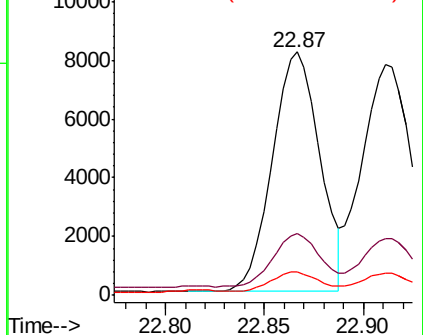
125 9.5 7.4 11.2



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: 0.215 ng

RT: 22.91 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

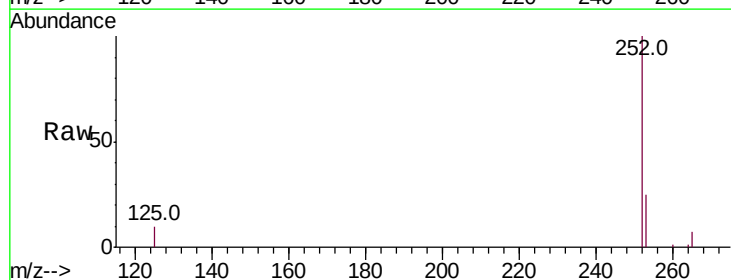
Tgt Ion:252 Resp: 14298

Ion Ratio Lower Upper

252 100

253 24.7 19.3 28.9

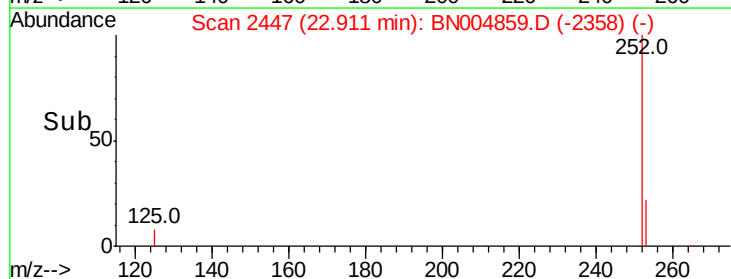
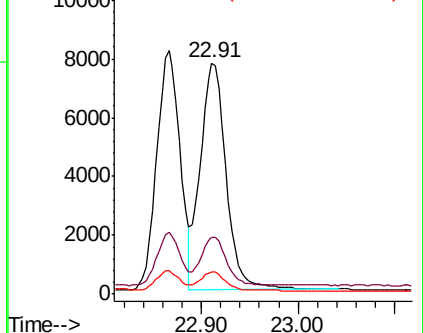
125 9.7 7.4 11.0

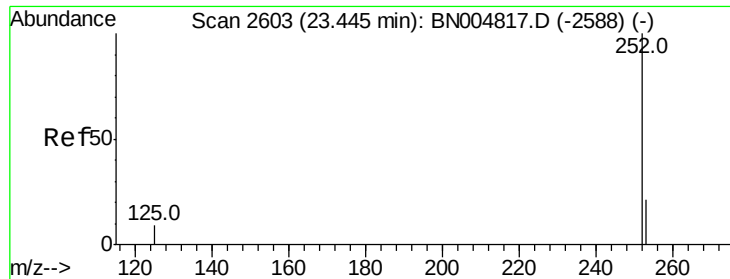


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.209 ng

RT: 23.45 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

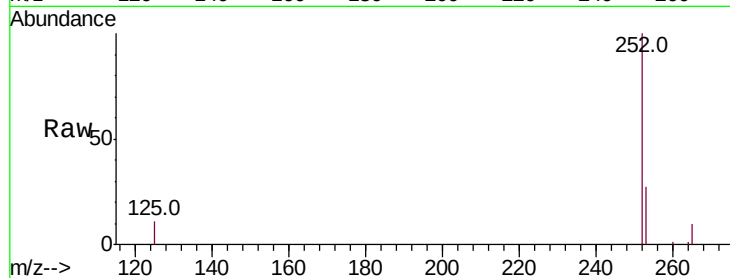
Tot Ion:252 Resp: 12934

Ion Ratio Lower Upper

252 100

253 26.6 19.7 29.5

125 11.1 8.3 12.5

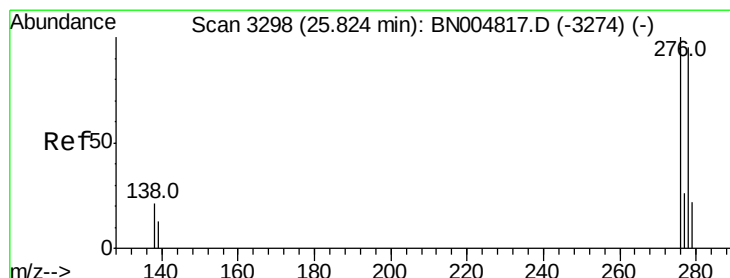
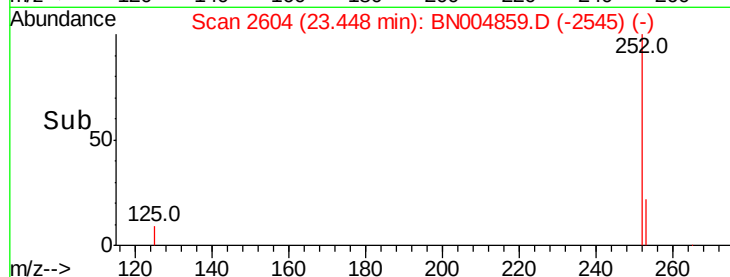
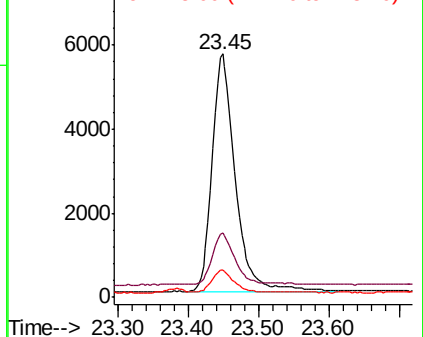


Abundance

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: 0.188 ng

RT: 25.83 min Scan# 3300

Delta R.T. 0.01 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

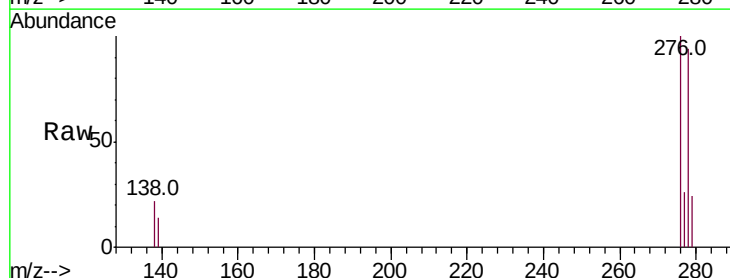
Tgt Ion:278 Resp: 13489

Ion Ratio Lower Upper

278 100

139 15.0 11.7 17.5

279 25.8 19.9 29.9

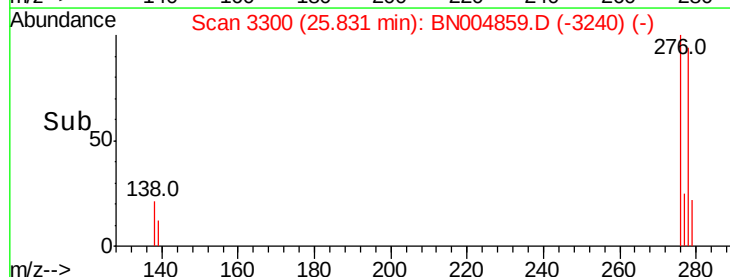
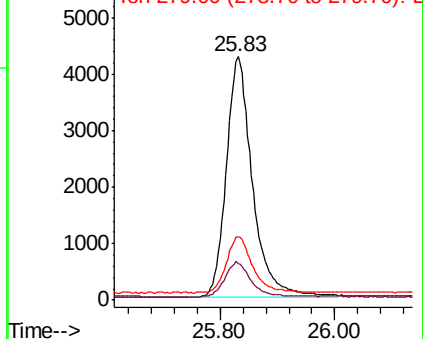


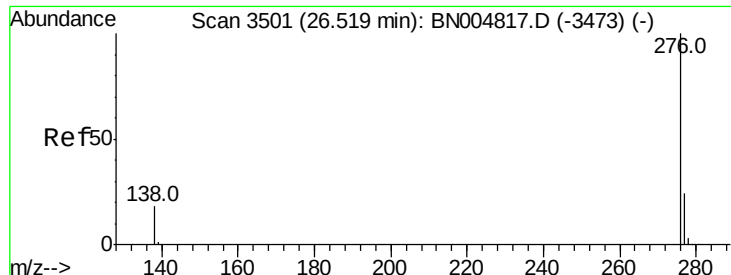
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.191 ng

RT: 26.52 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BN004859.D

Acq: 21 Mar 2019 20:34

Instrument :

BNA_N

ClientSampleId :

PB118153BS

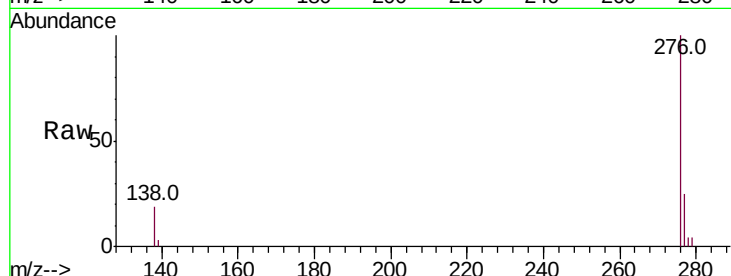
Tot Ion:276 Resp: 13979

Ion Ratio Lower Upper

276 100

277 24.7 19.7 29.5

138 19.3 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

