

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004846.D
 Acq On : 21 Mar 2019 12:54
 Operator : JU/SJ
 Sample : K1842-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PR-MW-01_030819

Quant Time: Mar 22 02:00:29 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	2034	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	9728	0.40	ng	-0.01
13) Acenaphthene-d10	14.34	164	17146	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	17802	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20400	0.40	ng	0.00
34) Perylene-d12	23.54	264	22763	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	1458	0.26	ng	0.00
5) Phenol-d6	6.88	99	1165	0.17	ng	0.00
8) Nitrobenzene-d5	8.86	82	2141	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.12	152	1791	0.11	ng	0.04
14) 2,4,6-Tribromophenol	15.84	330	2081	0.18	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	9319	0.13	ng	-0.01
25) Fluoranthene-d10	19.13	212	17095	0.29	ng	0.00
29) Terphenyl-d14	19.72	244	15577	0.37	ng	0.00

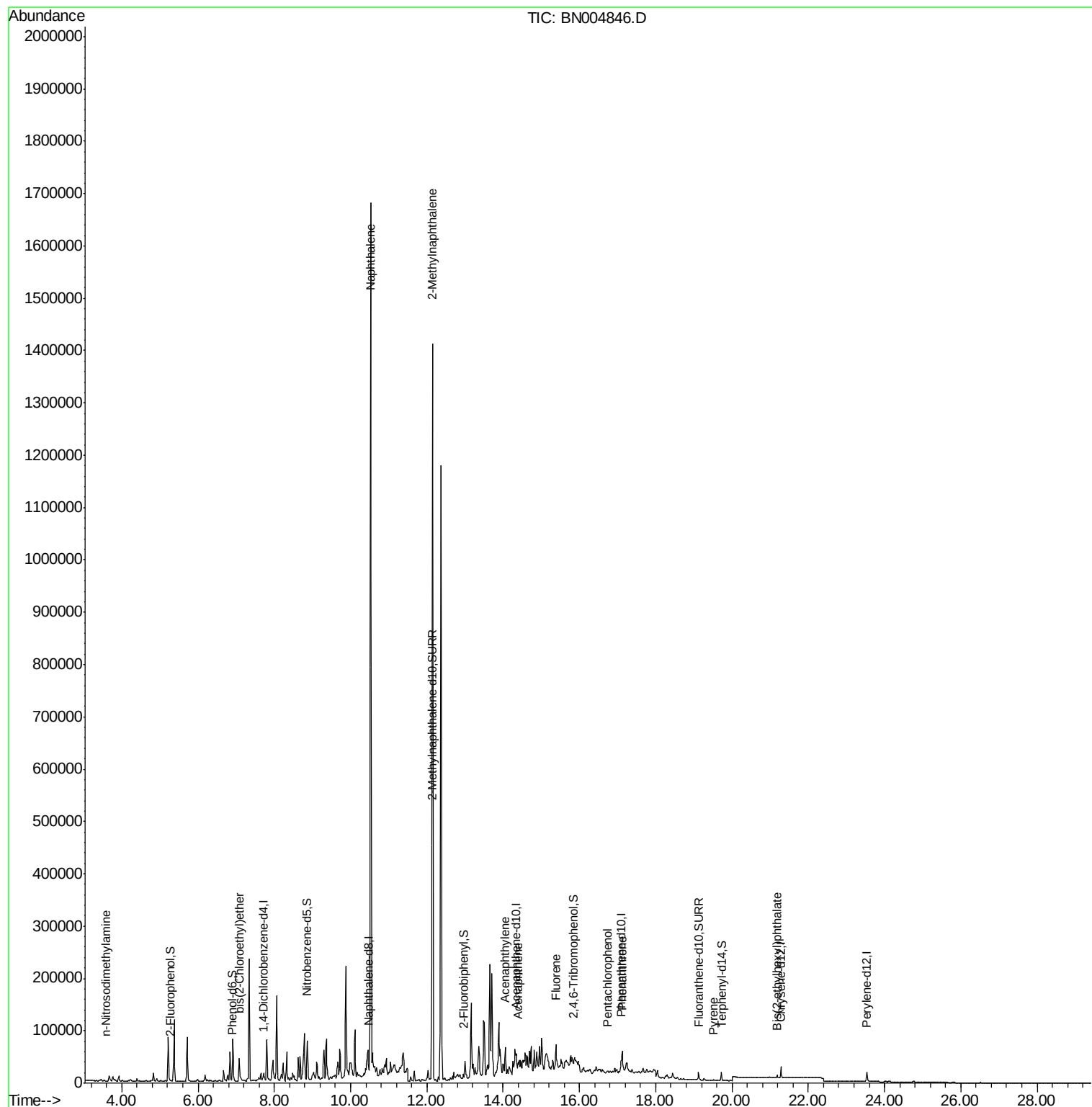
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.59	42	116	0.085	ng	# 1
6) bis(2-Chloroethyl)ether	7.08	93	3228	0.520	ng	# 1
9) Naphthalene	10.53	128	2087877	76.527	ng	98
12) 2-Methylnaphthalene	12.15	142	1004988	49.592	ng	98
16) Acenaphthylene	14.05	152	6637	0.075	ng	# 1
17) Acenaphthene	14.40	154	7944	0.137	ng	# 46
18) Fluorene	15.39	166	25574	0.317	ng	# 87
22) Pentachlorophenol	16.74	266	174	0.067	ng	# 66
23) Phenanthrene	17.13	178	9651	0.168	ng	# 75
28) Pyrene	19.52	202	1252	0.020	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.18	149	4211	0.158	ng	# 97

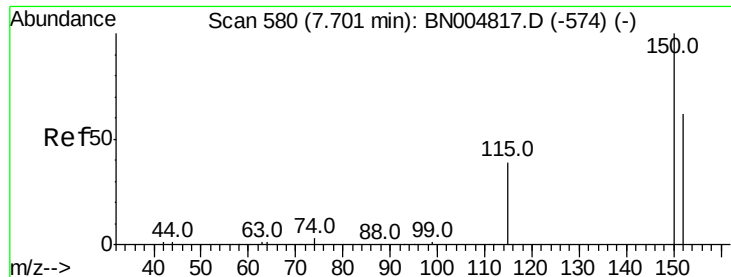
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

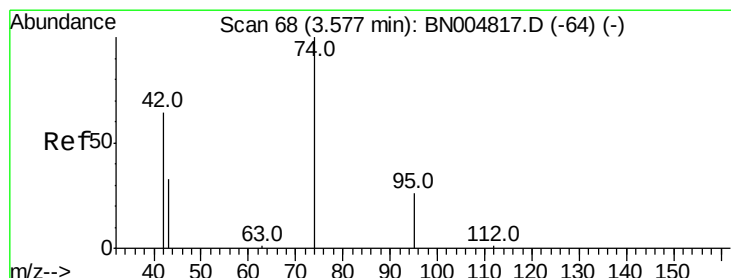
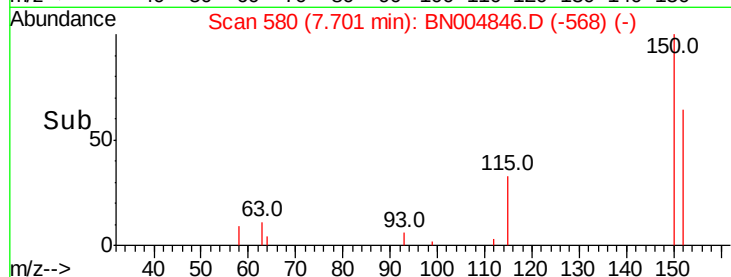
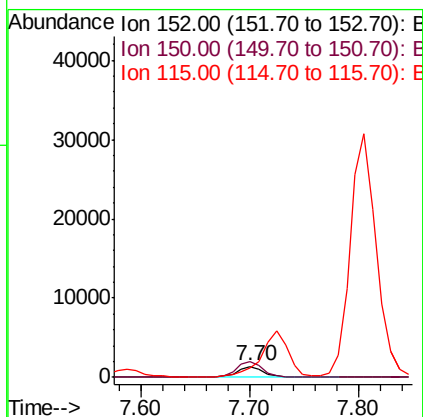
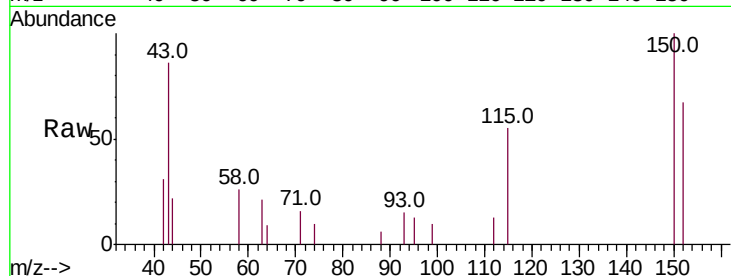
Tot Ion:152 Resp: 2034

Ion Ratio Lower Upper

152 100

150 150.1 126.2 189.4

115 82.6 52.6 79.0#



#3

n-Nitrosodimethylamine

Concen: 0.085 ng

RT: 3.59 min Scan# 69

Delta R.T. 0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

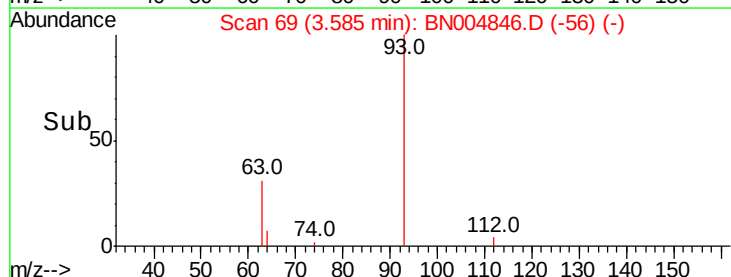
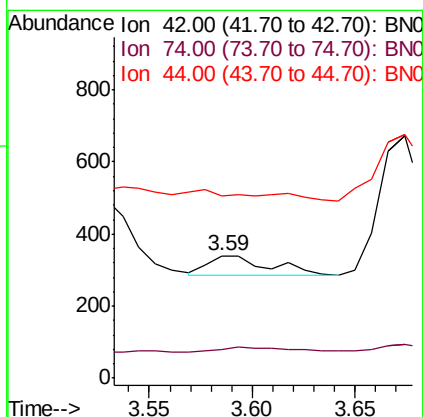
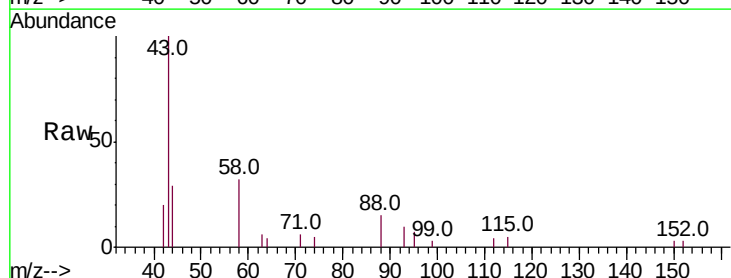
Tgt Ion: 42 Resp: 116

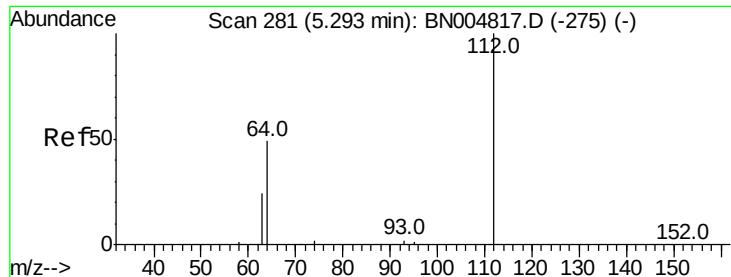
Ion Ratio Lower Upper

42 100

74 21.6 128.4 192.6#

44 0.0 6.1 9.1#





#4

2-Fluorophenol

Concen: 0.264 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

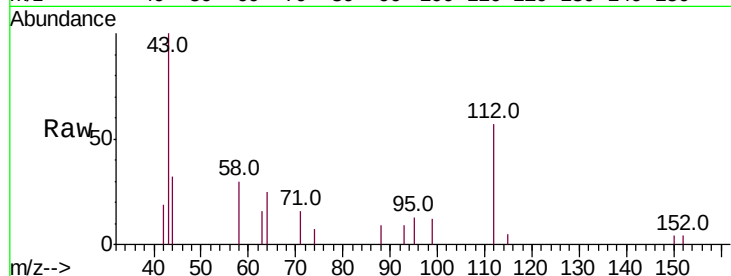
Tot Ion:112 Resp: 1458

Ion Ratio Lower Upper

112 100

64 0.0 40.0 60.0#

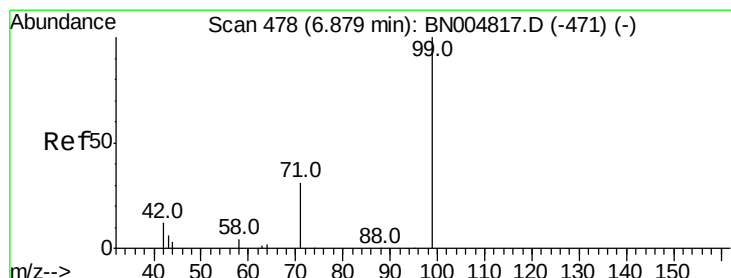
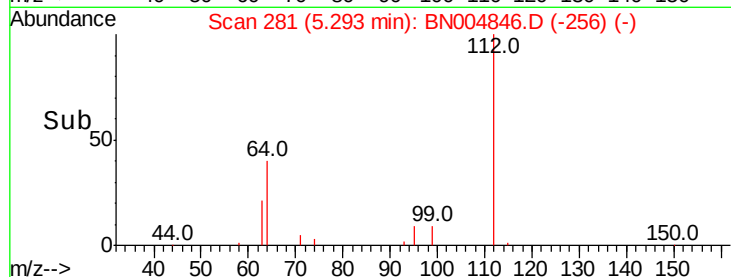
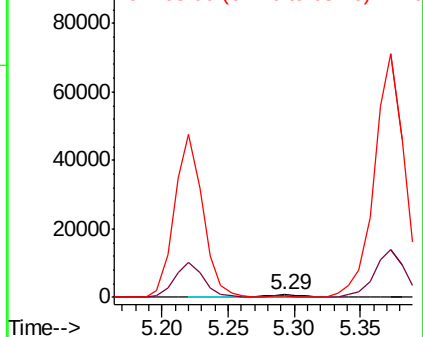
63 0.0 20.2 30.2#



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: 0.169 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

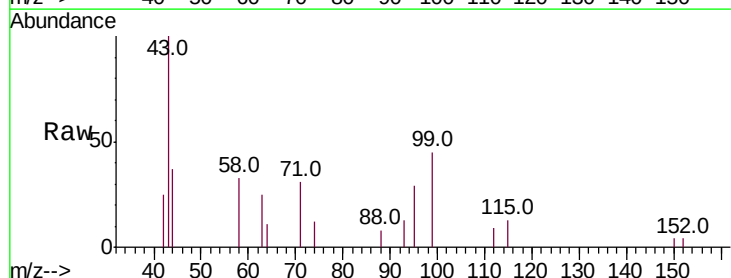
Tgt Ion: 99 Resp: 1165

Ion Ratio Lower Upper

99 100

42 0.0 12.7 19.1#

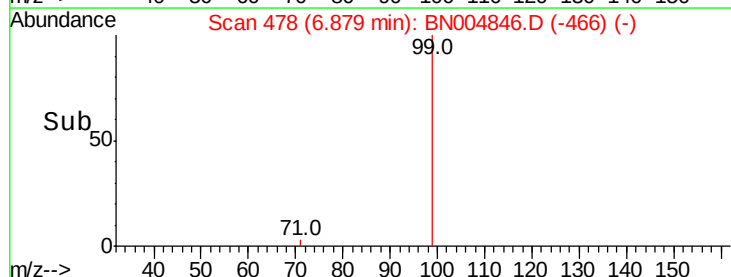
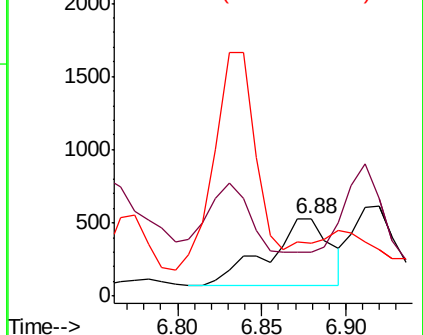
71 46.2 26.6 40.0#

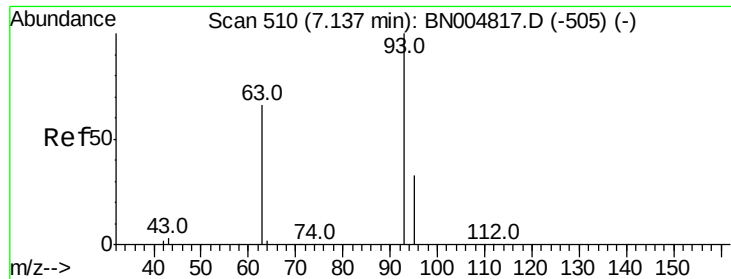


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.520 ng

RT: 7.08 min Scan# 503

Delta R.T. -0.06 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

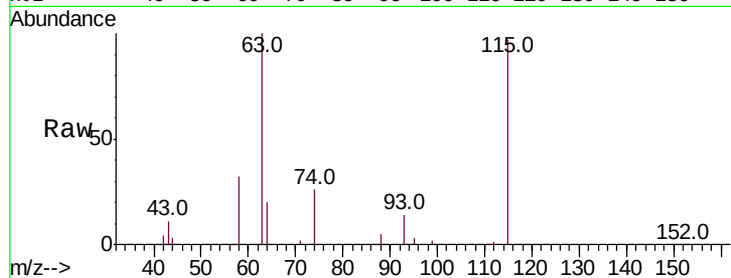
Tot Ion: 93 Resp: 3228

Ion Ratio Lower Upper

93 100

63 723.6 52.6 78.8#

95 43.7 25.9 38.9#



Abundance

Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0

20000

15000

10000

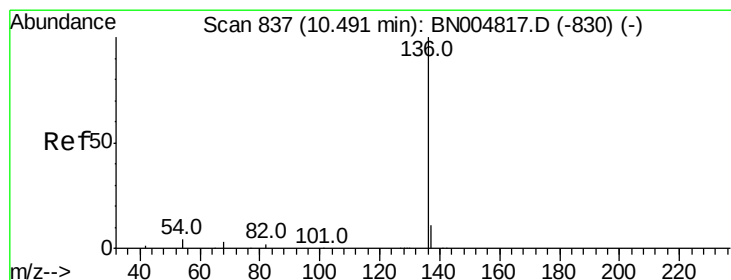
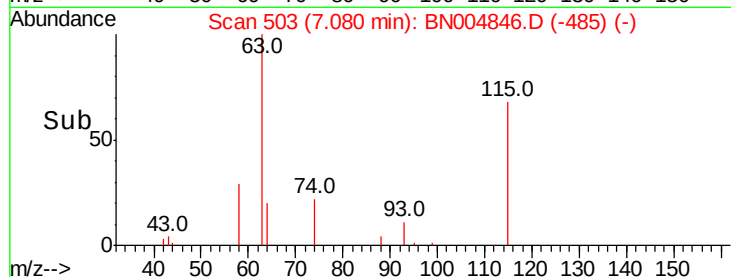
5000

0

7.00

7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Tgt Ion: 136 Resp: 9728

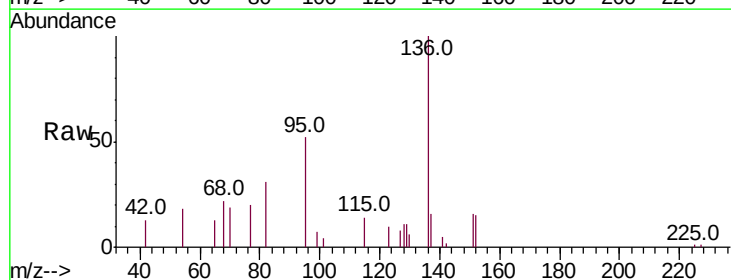
Ion Ratio Lower Upper

136 100

137 15.6 9.6 14.4#

54 17.7 4.2 6.2#

68 21.8 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): BN0

Ion 68.00 (67.70 to 68.70): BN0

8000

6000

4000

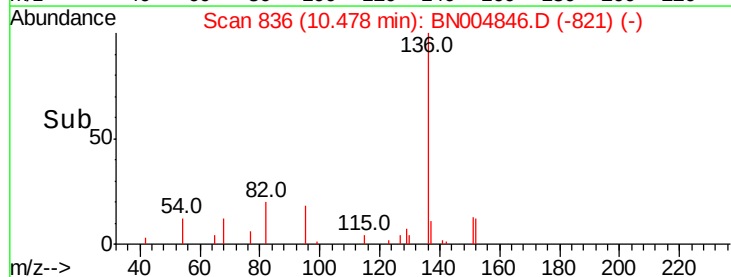
2000

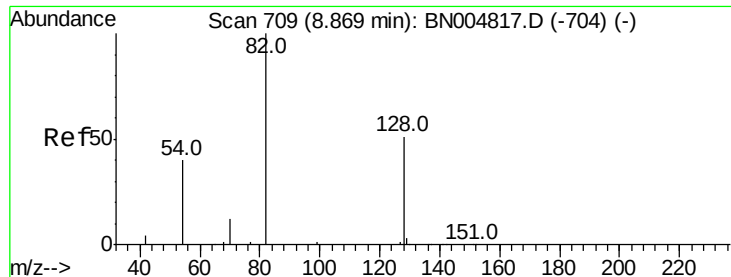
0

10.40

10.50

Time-->





#8

Nitrobenzene-d5

Concen: 0.333 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

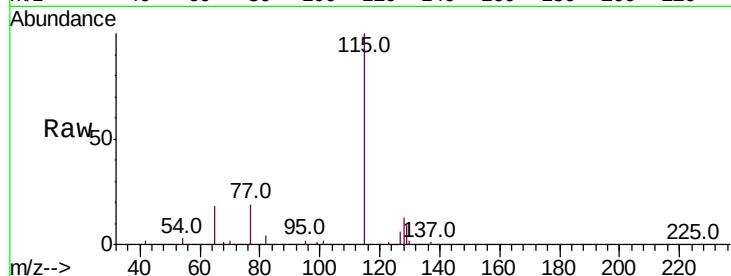
Tot Ion: 82 Resp: 2141

Ion Ratio Lower Upper

82 100

128 310.4 43.0 64.6#

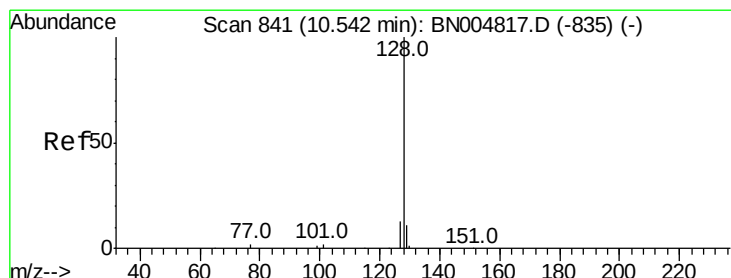
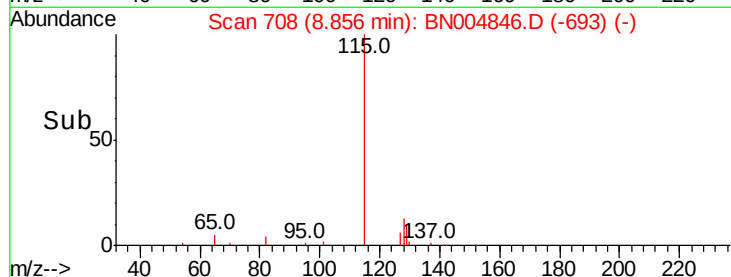
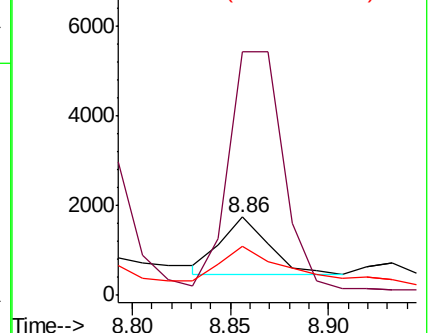
54 62.3 35.3 52.9#



Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)



#9

Naphthalene

Concen: 76.527 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

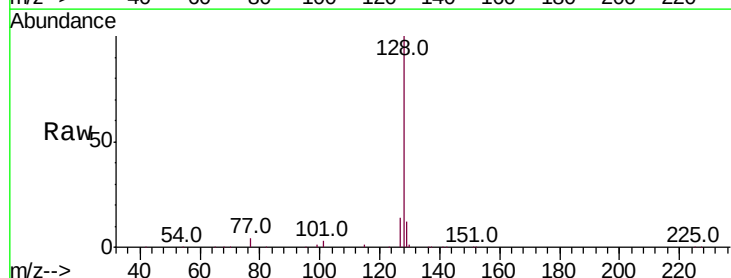
Tgt Ion: 128 Resp: 2087877

Ion Ratio Lower Upper

128 100

129 11.7 9.9 14.9

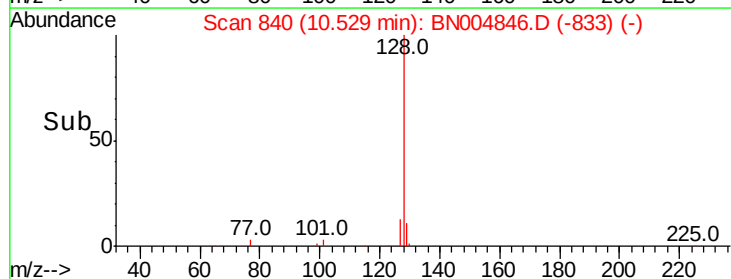
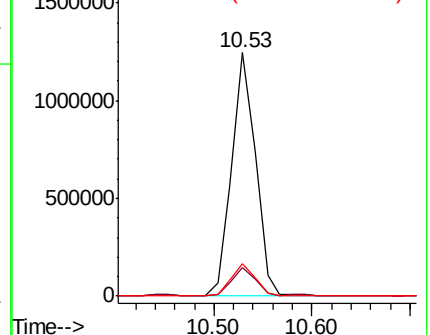
127 13.6 11.3 16.9

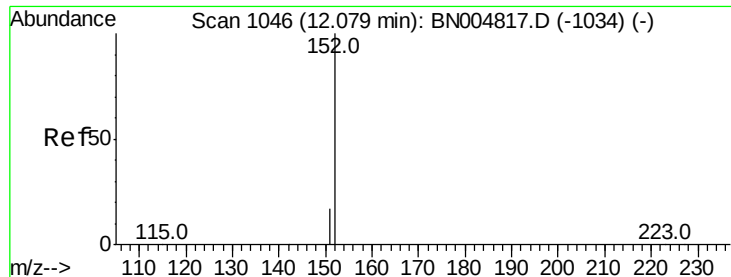


Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

Ion 129.00 (128.70 to 129.70): BN004817.D (-835) (-)

Ion 127.00 (126.70 to 127.70): BN004817.D (-835) (-)

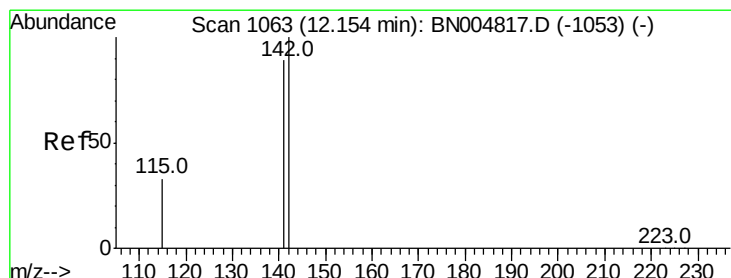
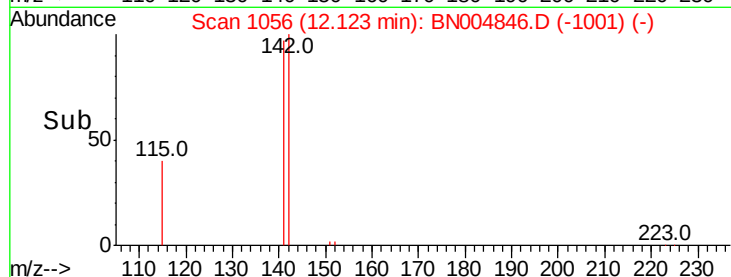
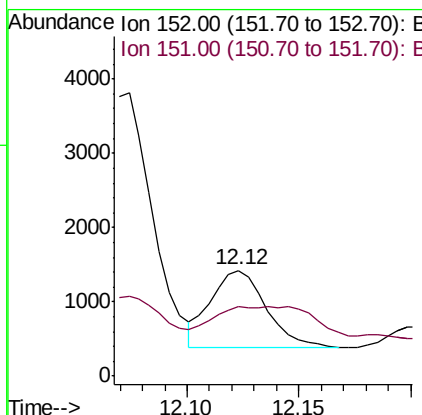
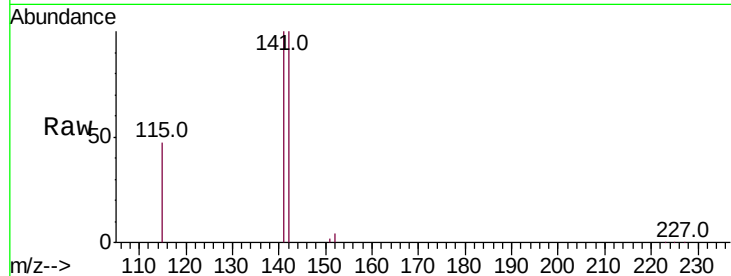




#11
 2-Methylnaphthalene-d10
 Concen: 0.106 ng
 RT: 12.12 min Scan# 1056
 Delta R.T. 0.04 min
 Lab File: BN004846.D
 Acq: 21 Mar 2019 12:54

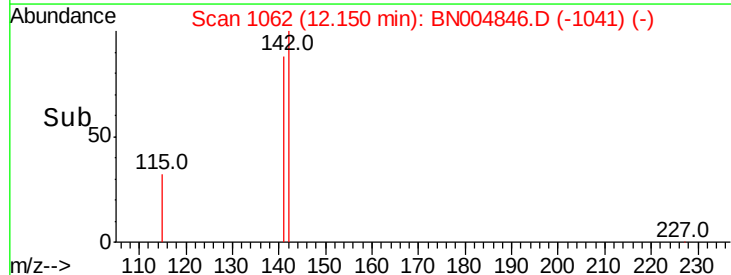
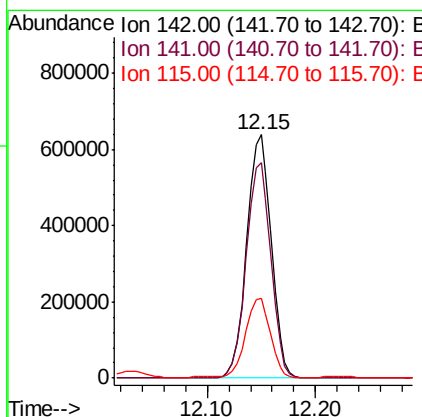
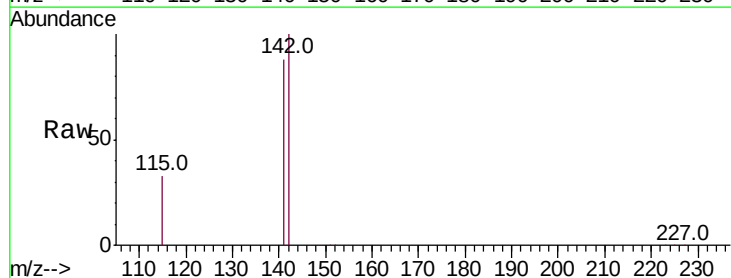
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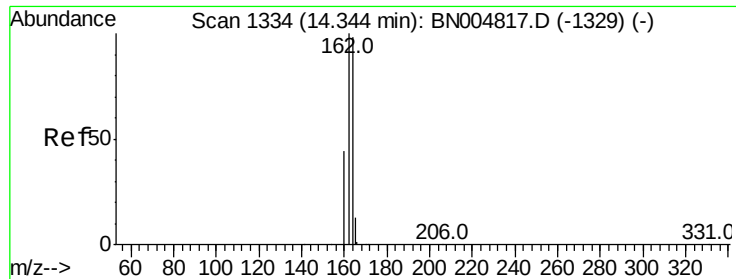
Tot Ion:152 Resp: 1791
 Ion Ratio Lower Upper
 152 100
 151 23.1 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 49.592 ng
 RT: 12.15 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: BN004846.D
 Acq: 21 Mar 2019 12:54

Tgt Ion:142 Resp: 1004988
 Ion Ratio Lower Upper
 142 100
 141 88.4 71.4 107.2
 115 32.5 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

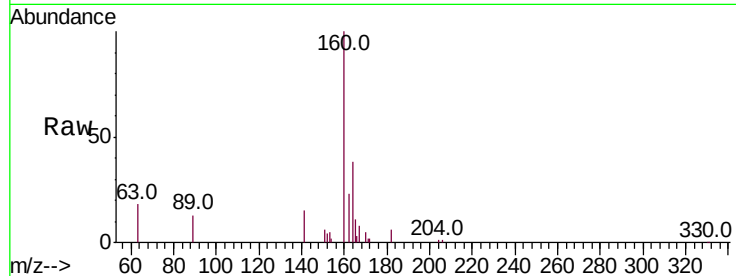
Tot Ion:164 Resp: 17146

Ion Ratio Lower Upper

164 100

162 59.4 81.9 122.9#

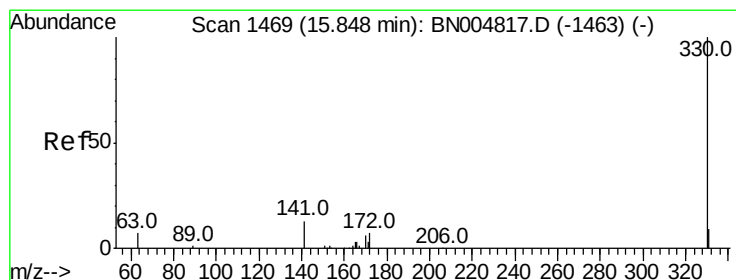
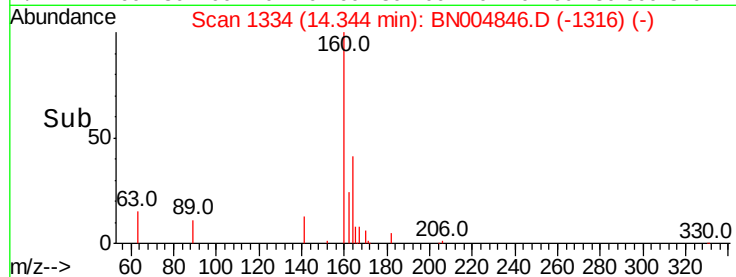
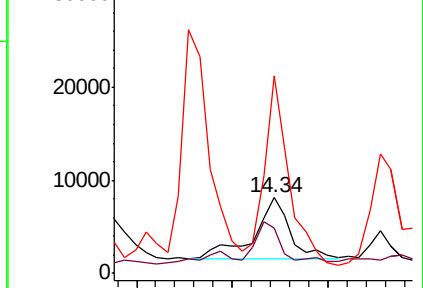
160 260.6 36.6 54.8#



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: 0.176 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

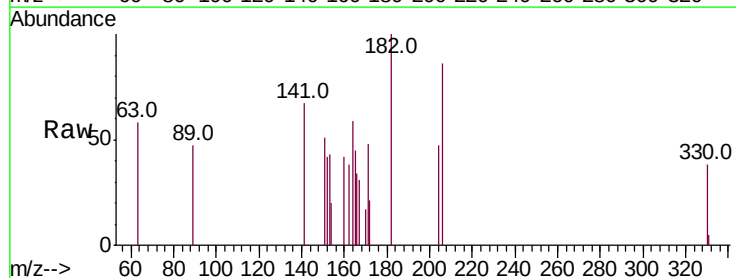
Tgt Ion:330 Resp: 2081

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

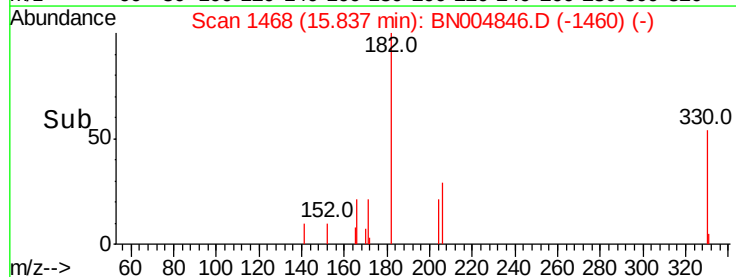
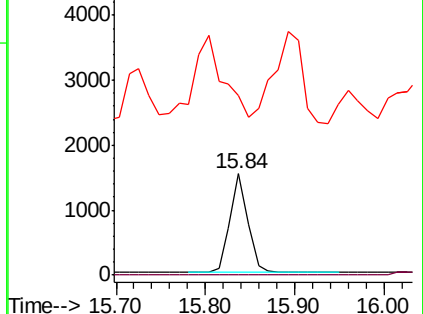
141 0.0 20.9 31.3#

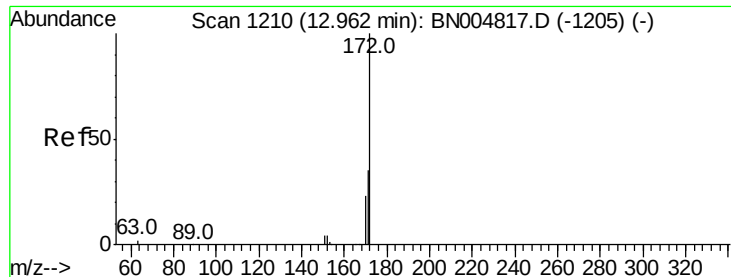


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

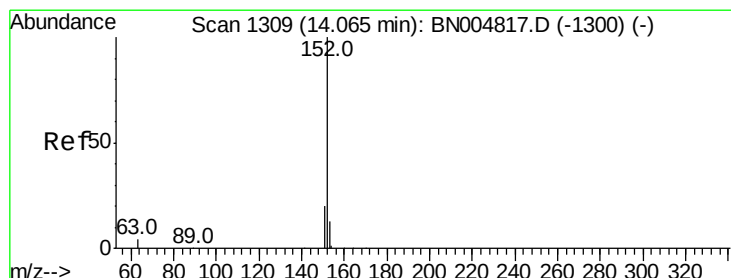
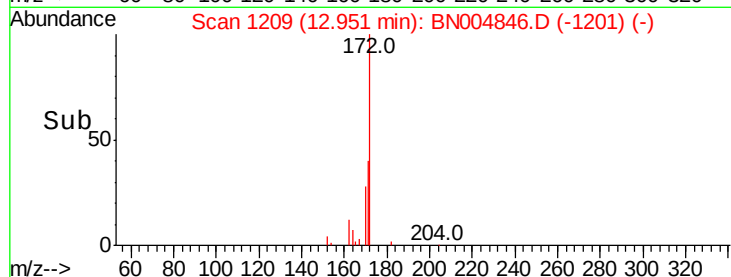
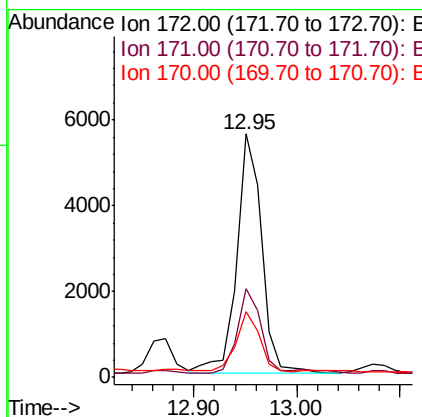
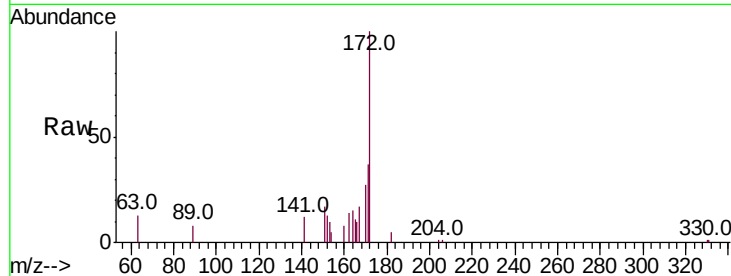




#15
2-Fluorobiphenyl
Concen: 0.132 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004846.D
Acq: 21 Mar 2019 12:54

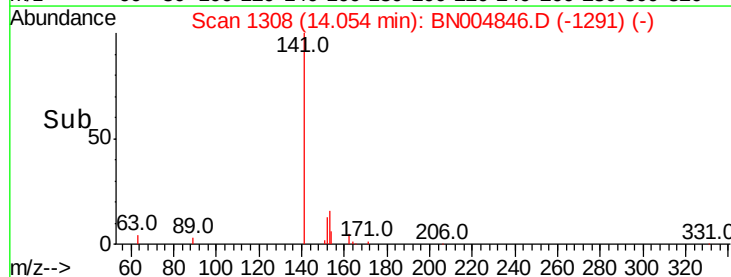
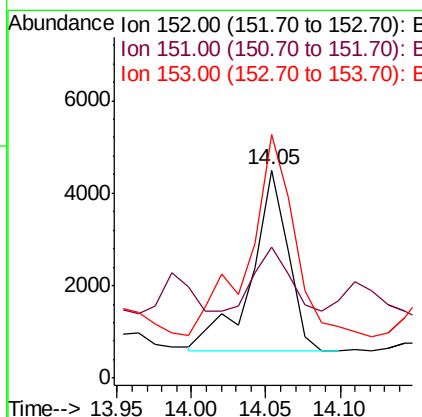
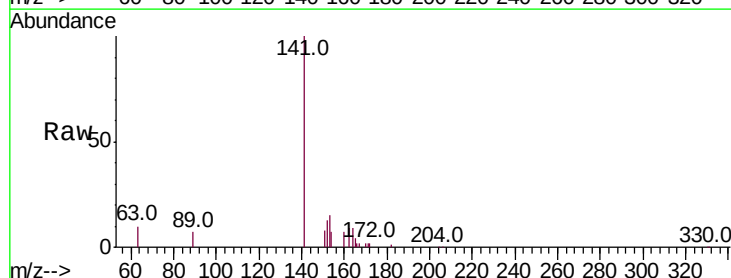
Instrument :
BNA_N
ClientSampleId :
PR-MW-01_030819

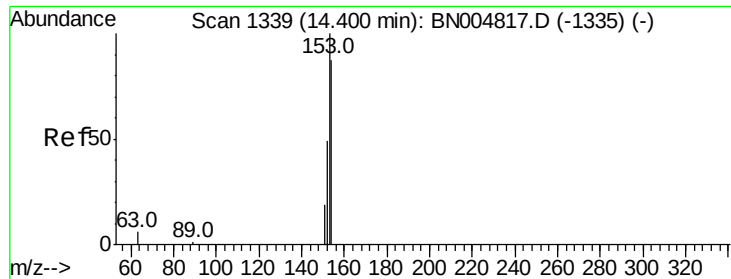
Tot Ion:172 Resp: 9319
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 26.8 18.7 28.1



#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004846.D
Acq: 21 Mar 2019 12:54

Tgt Ion:152 Resp: 6637
Ion Ratio Lower Upper
152 100
151 45.3 16.1 24.1#
153 142.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.137 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

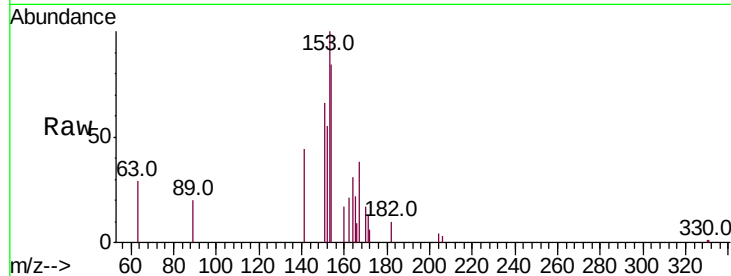
Tot Ion:154 Resp: 7944

Ion Ratio Lower Upper

154 100

153 161.6 91.4 137.2#

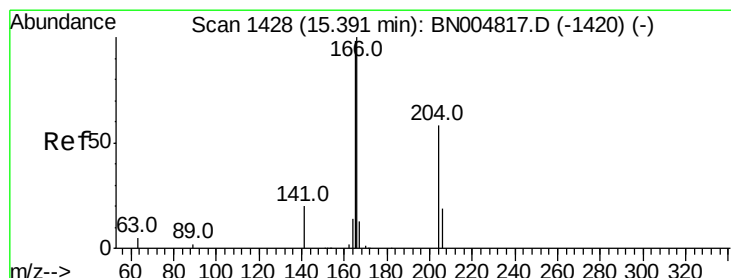
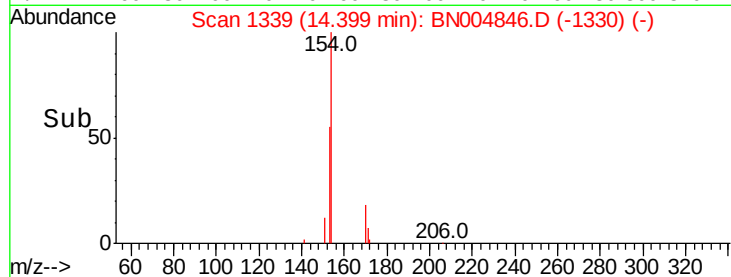
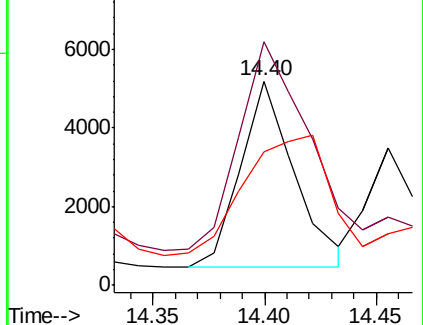
152 0.0 44.2 66.2#



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: 0.317 ng

RT: 15.39 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

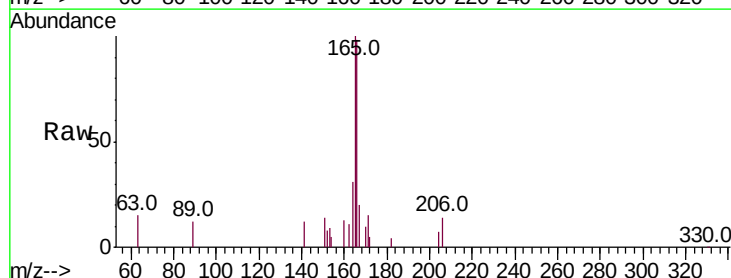
Tgt Ion:166 Resp: 25574

Ion Ratio Lower Upper

166 100

165 104.9 78.2 117.4

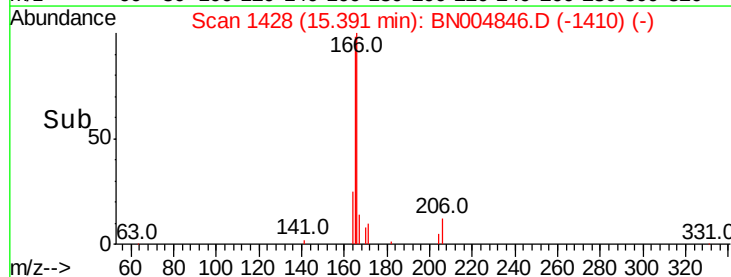
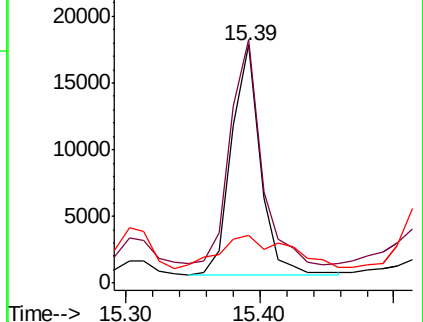
167 35.4 11.0 16.4#

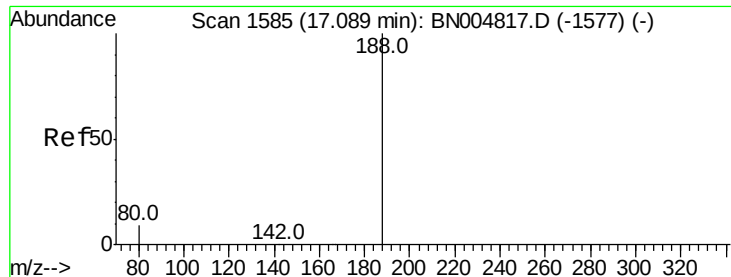


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

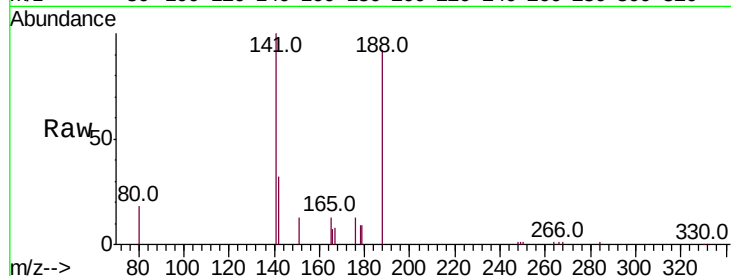
Tot Ion:188 Resp: 17802

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

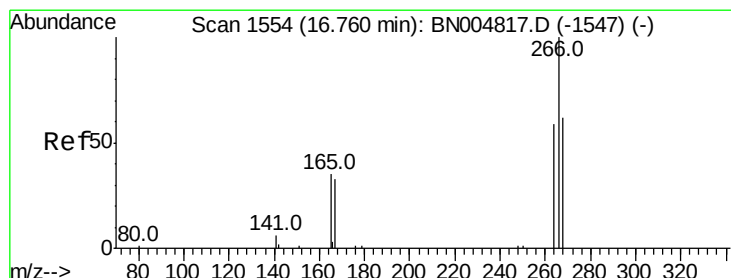
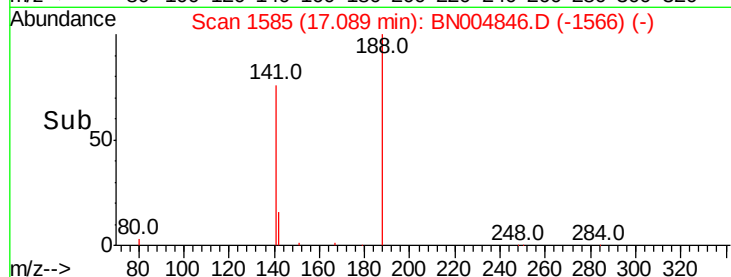
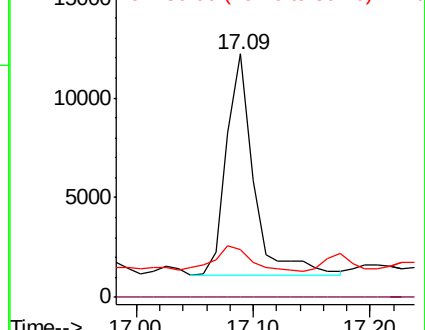
80 19.8 7.4 11.2#



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



#22

Pentachlorophenol

Concen: 0.067 ng

RT: 16.74 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

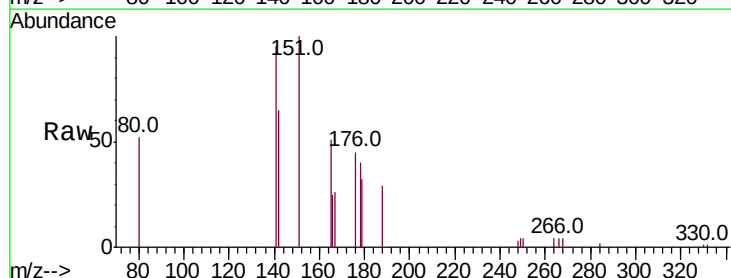
Tgt Ion:266 Resp: 174

Ion Ratio Lower Upper

266 100

264 96.0 53.1 79.7#

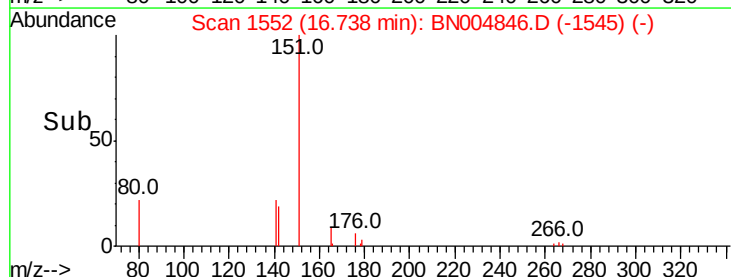
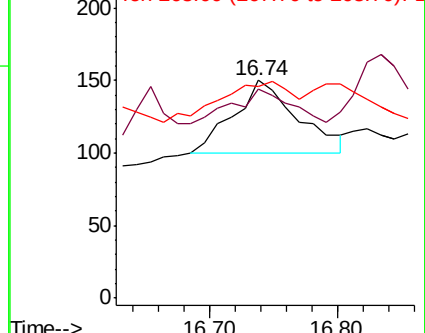
268 97.3 57.7 86.5#

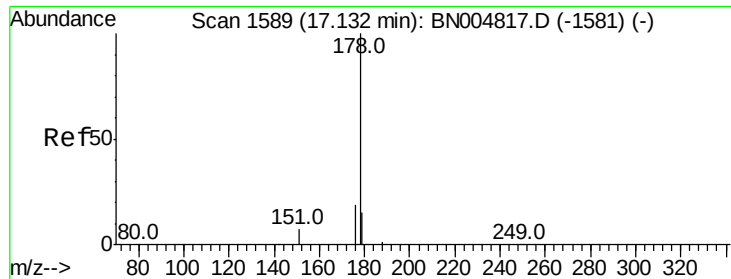


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.168 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

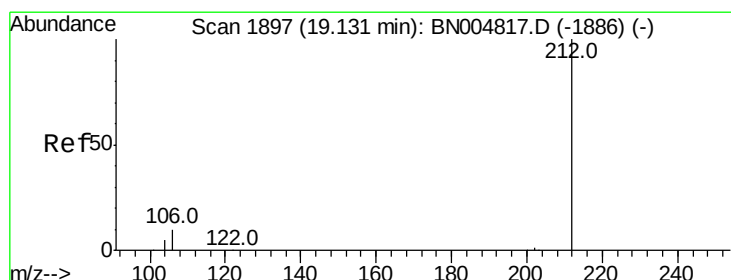
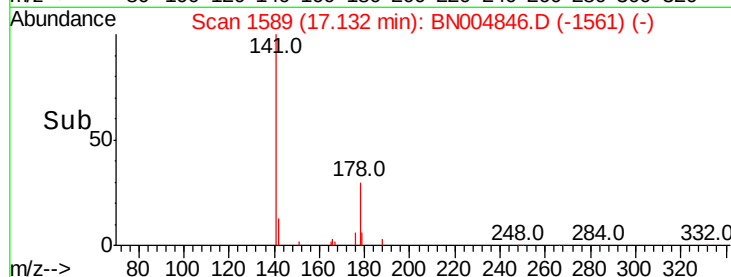
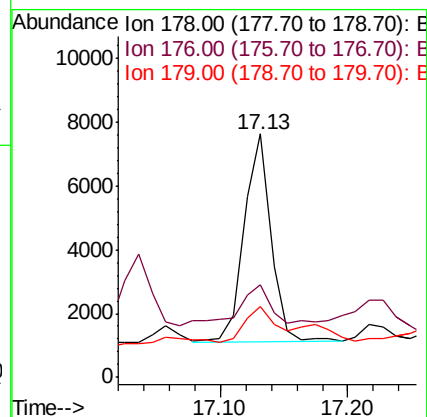
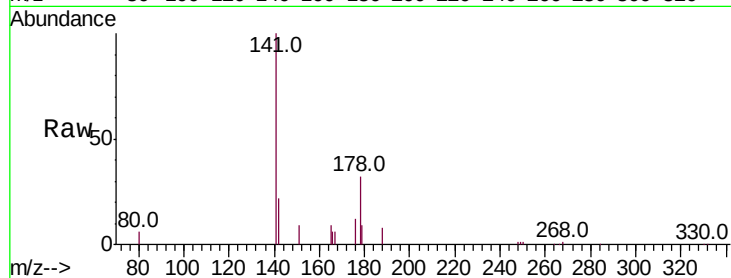
Tot Ion:178 Resp: 9651

Ion Ratio Lower Upper

178 100

176 34.7 14.9 22.3#

179 19.8 12.1 18.1#



#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

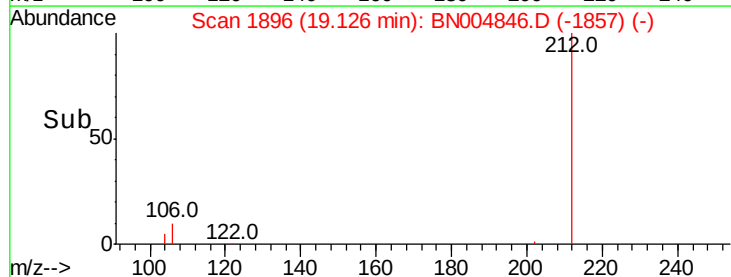
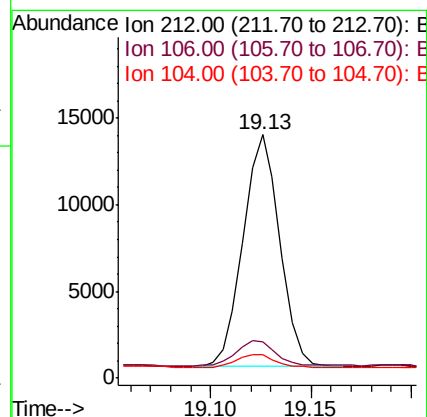
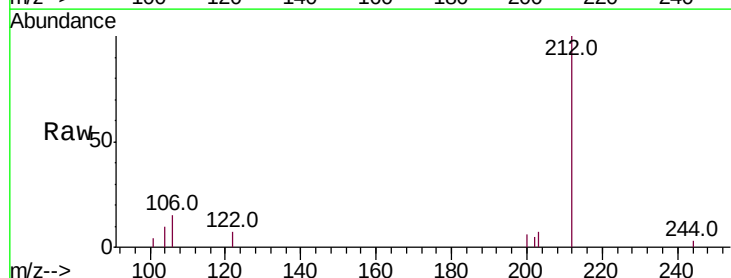
Tgt Ion:212 Resp: 17095

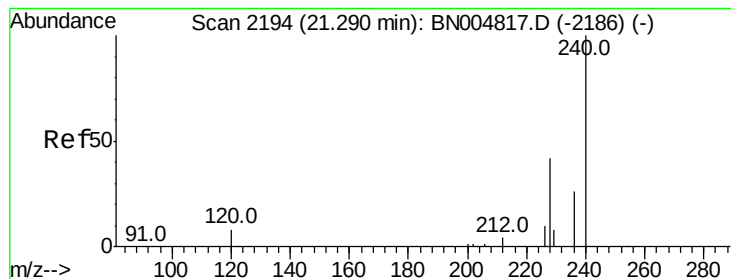
Ion Ratio Lower Upper

212 100

106 11.7 8.6 13.0

104 6.4 4.7 7.1





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

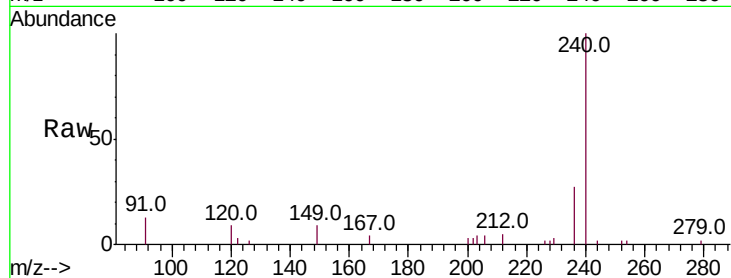
Tot Ion:240 Resp: 20400

Ion Ratio Lower Upper

240 100

120 8.9 7.2 10.8

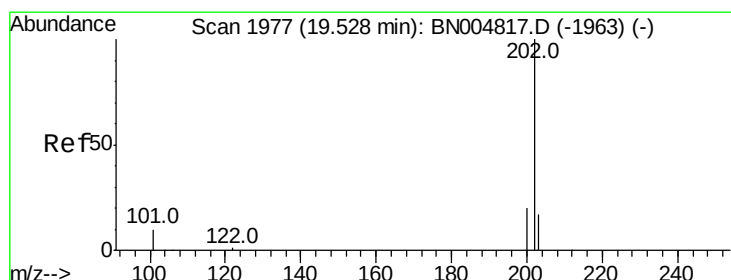
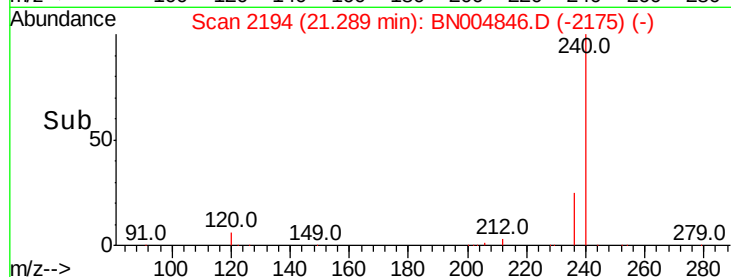
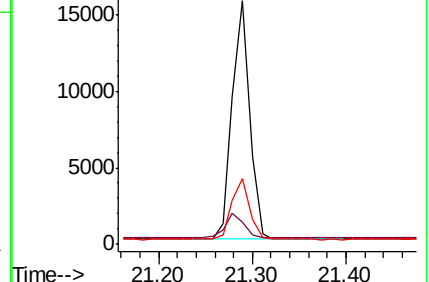
236 26.9 20.9 31.3



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: 0.020 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

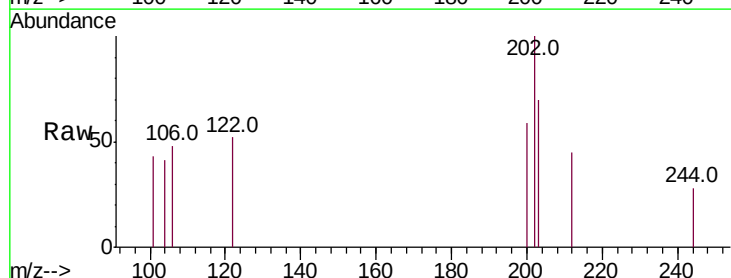
Tgt Ion:202 Resp: 1252

Ion Ratio Lower Upper

202 100

200 22.4 16.3 24.5

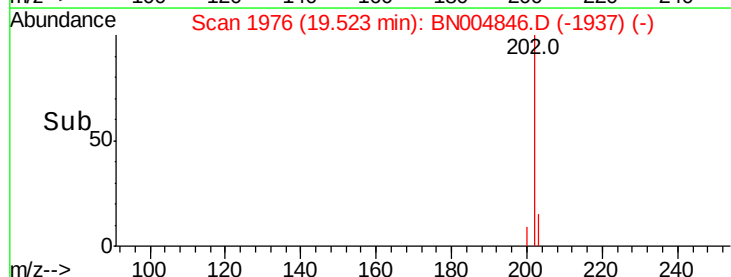
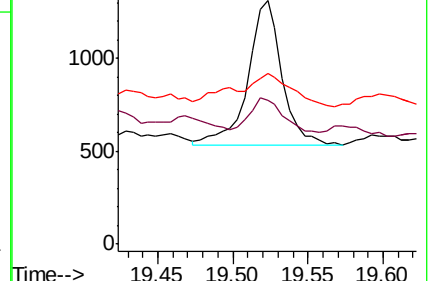
203 24.0 14.0 21.0#

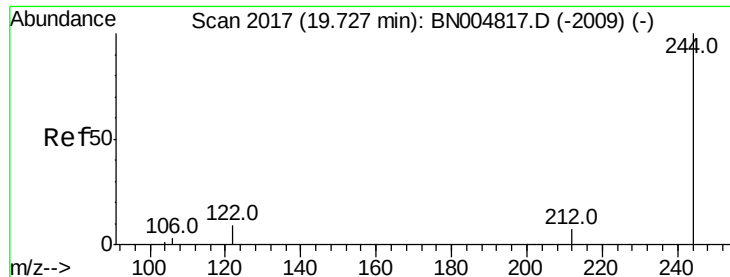


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.373 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

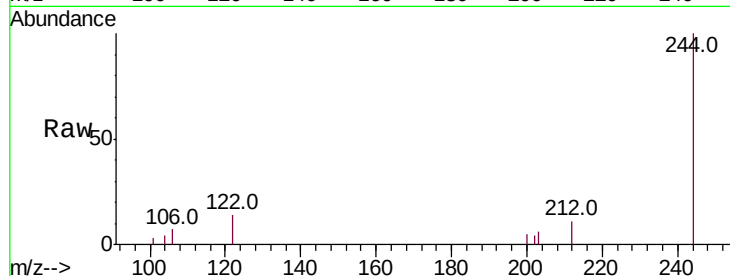
Tot Ion:244 Resp: 15577

Ion Ratio Lower Upper

244 100

212 11.3 5.8 8.6#

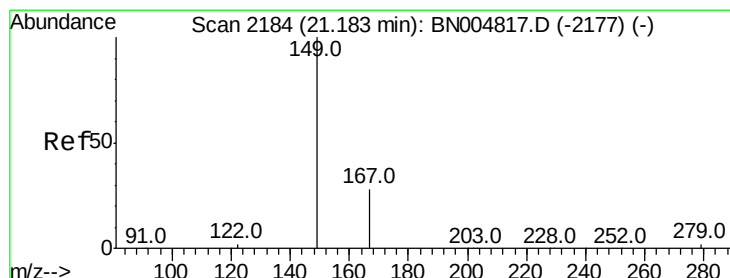
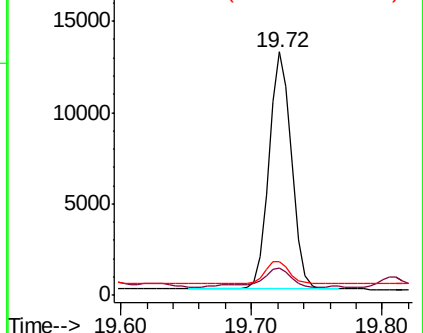
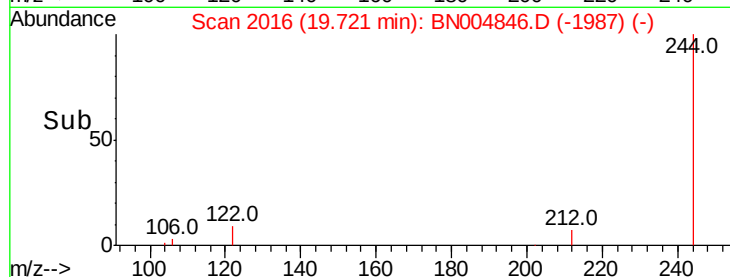
122 13.7 7.9 11.9#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.158 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

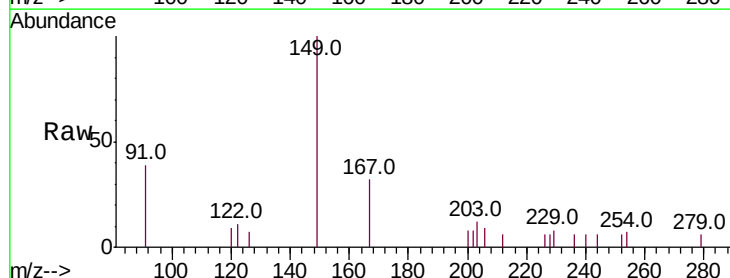
Tgt Ion:149 Resp: 4211

Ion Ratio Lower Upper

149 100

167 30.0 23.0 34.4

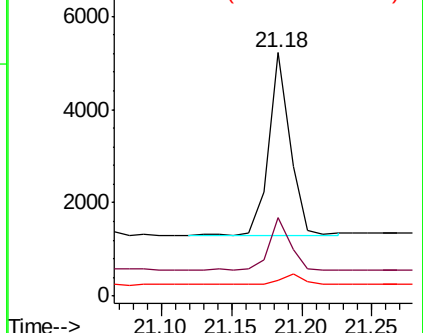
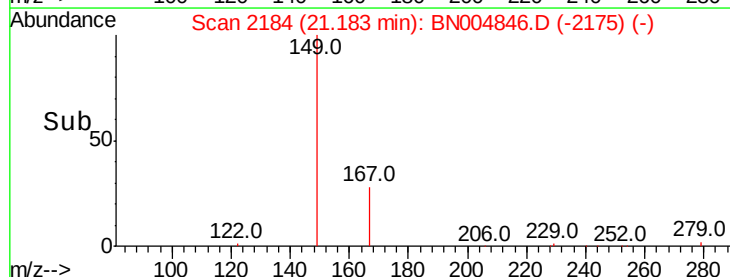
279 6.9 4.6 6.8#

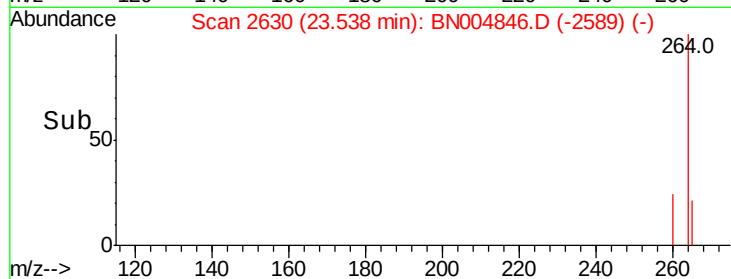
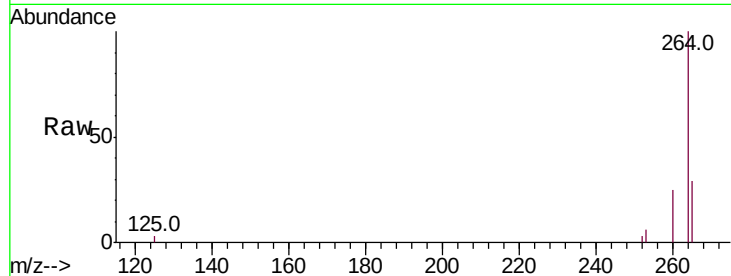
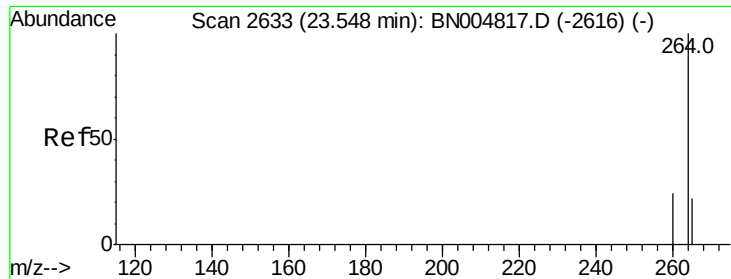


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BN004846.D

Acq: 21 Mar 2019 12:54

Instrument :

BNA_N

ClientSampleId :

PR-MW-01_030819

Tot Ion:264 Resp: 22763

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 29.1 23.1 34.7

