

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061620\
 Data File : BN010909.D
 Acq On : 16 Jun 2020 16:30
 Operator : CG/JU
 Sample : L2993-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW014-200610

Quant Time: Jun 16 17:01:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 16 08:49:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2347	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8328	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	4916	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	9919	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	9634	0.40	ng	-0.01
34) Perylene-d12	23.27	264	10191	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	757	0.17	ng	0.00
5) Phenol-d6	6.74	99	513	0.10	ng	0.00
8) Nitrobenzene-d5	8.68	82	2052	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	3688	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	589	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	6147	0.32	ng	0.00
25) Fluoranthene-d10	18.95	212	10015	0.37	ng	0.00
29) Terphenyl-d14	19.57	244	9211	0.41	ng	0.00

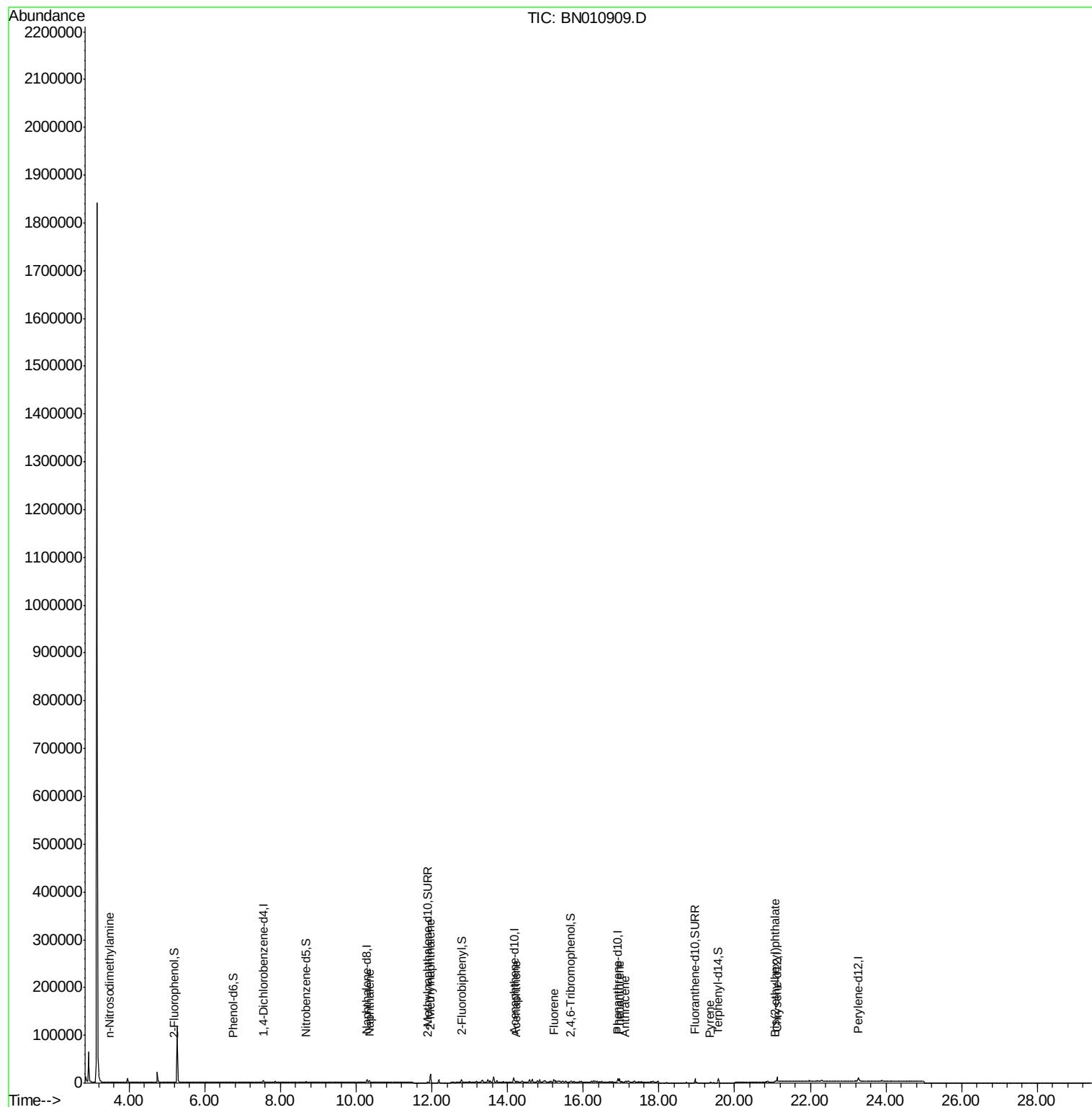
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.49	42	216	0.162	ng	# 1
9) Naphthalene	10.34	128	4991	0.238	ng	97
12) 2-Methylnaphthalene	11.96	142	14117	1.008	ng	98
17) Acenaphthene	14.22	154	431	0.031	ng	# 71
18) Fluorene	15.22	166	1862	0.105	ng	# 81
23) Phenanthrene	16.95	178	8038	0.297	ng	98
24) Anthracene	17.11	178	623	0.028	ng	# 1
28) Pyrene	19.35	202	1072	0.034	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.07	149	887	0.094	ng	# 96

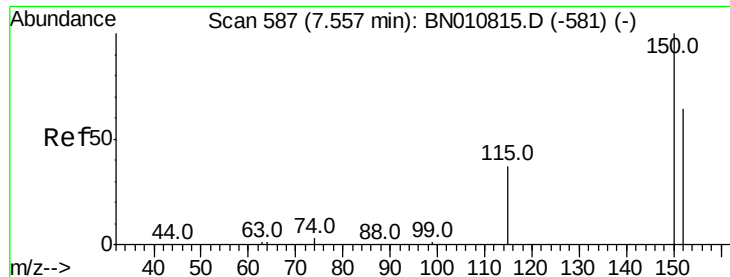
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.54 min Scan# 585

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

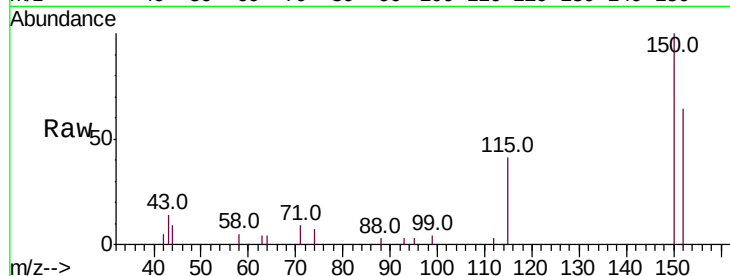
Tot Ion:152 Resp: 2347

Ion Ratio Lower Upper

152 100

150 156.4 123.8 185.6

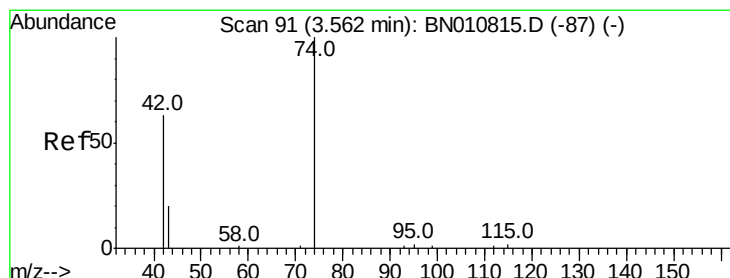
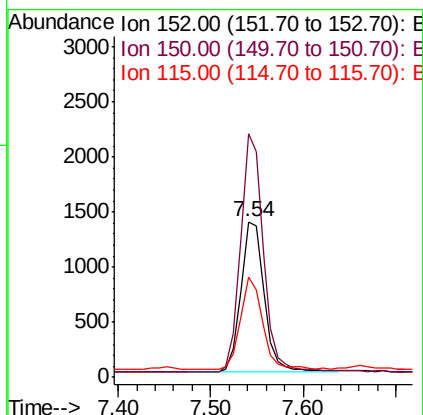
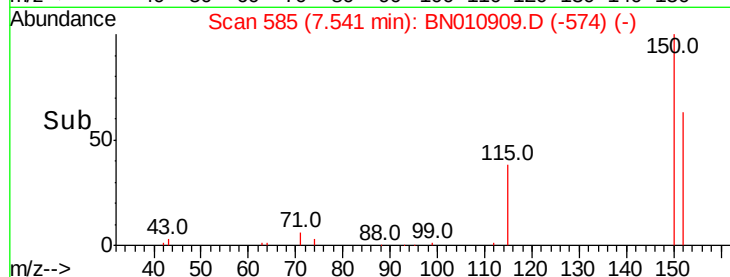
115 64.2 49.2 73.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.162 ng

RT: 3.49 min Scan# 82

Delta R.T. -0.06 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

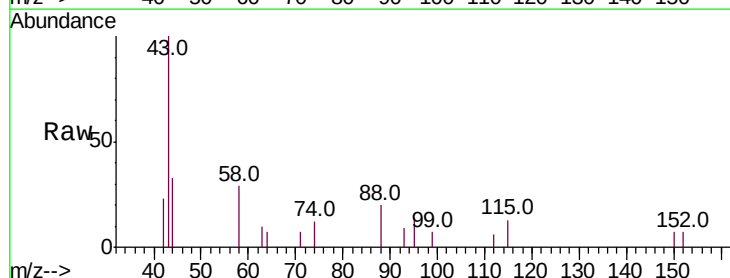
Tgt Ion: 42 Resp: 216

Ion Ratio Lower Upper

42 100

74 17.1 140.7 211.1#

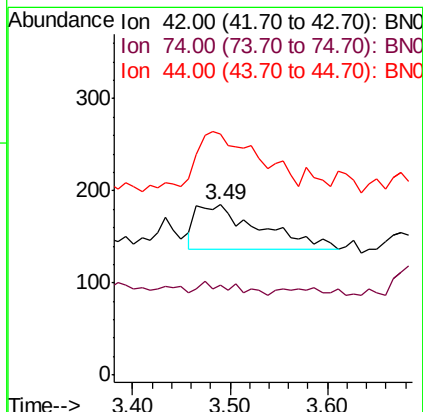
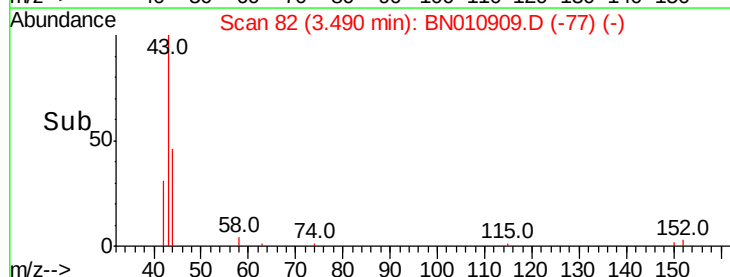
44 113.9 1.4 2.2#

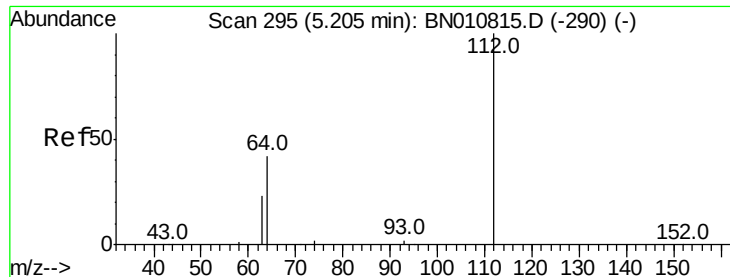


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.167 ng

RT: 5.20 min Scan# 294

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

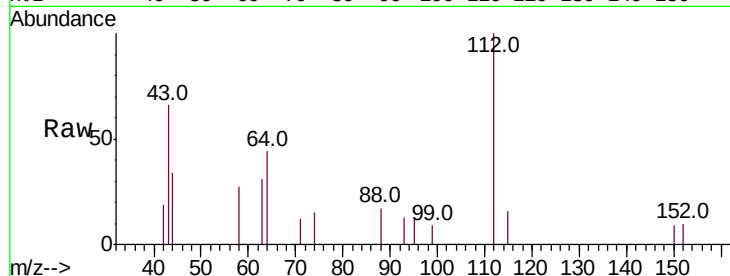
Tot Ion:112 Resp: 757

Ion Ratio Lower Upper

112 100

64 43.7 37.4 56.0

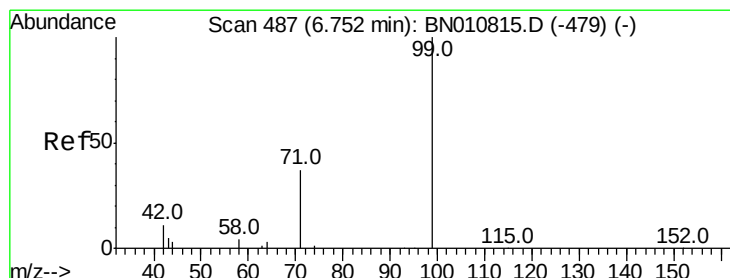
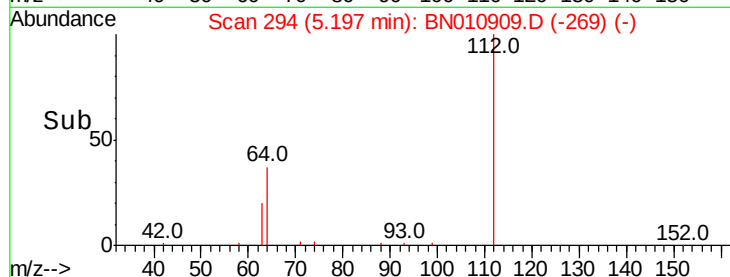
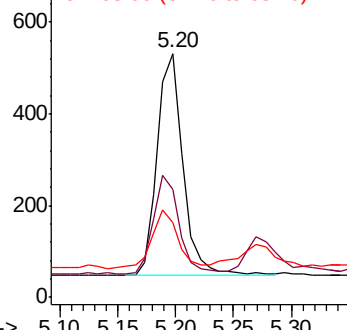
63 26.4 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.096 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

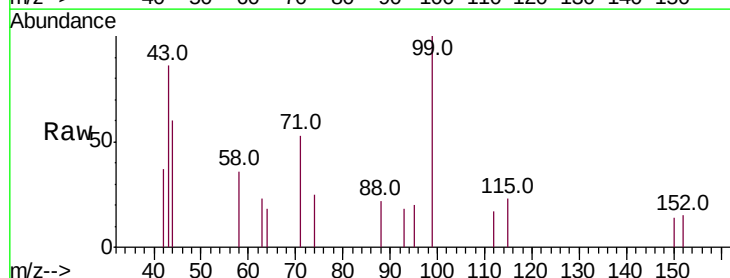
Tgt Ion: 99 Resp: 513

Ion Ratio Lower Upper

99 100

42 17.0 11.1 16.7#

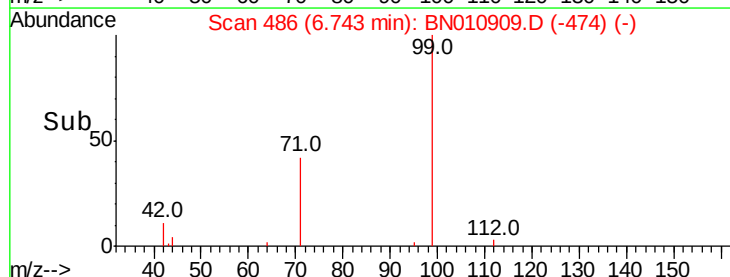
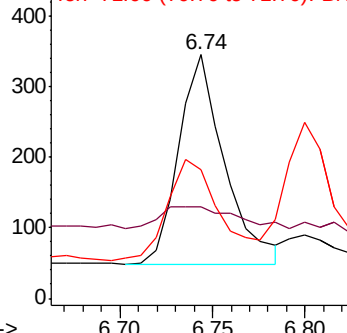
71 54.6 31.4 47.2#

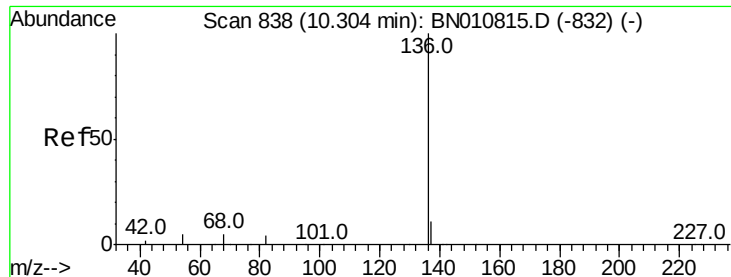


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

Tot Ion:136 Resp: 8328

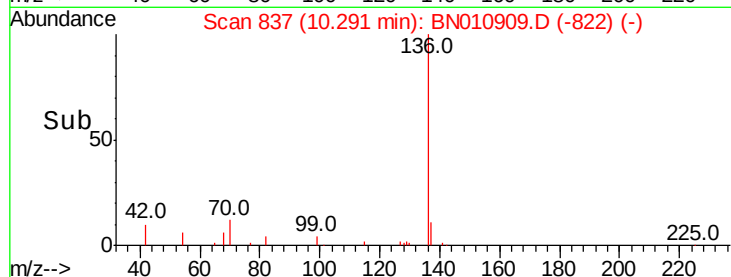
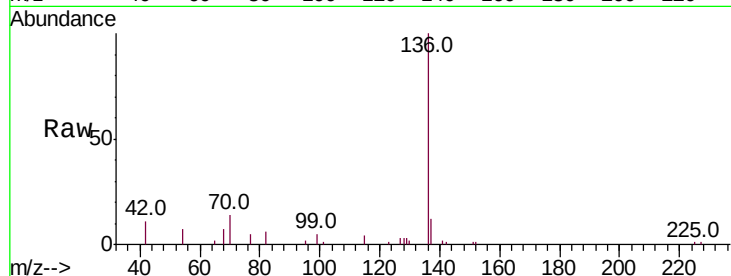
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 6.9 4.9 7.3

68 7.3 4.7 7.1#

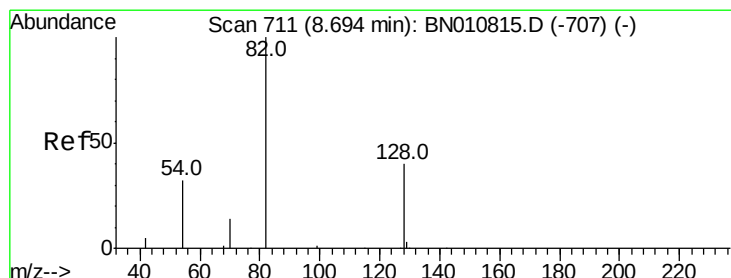
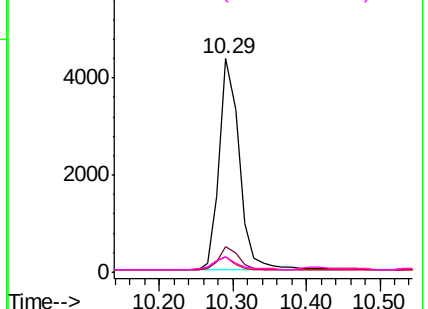


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.333 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

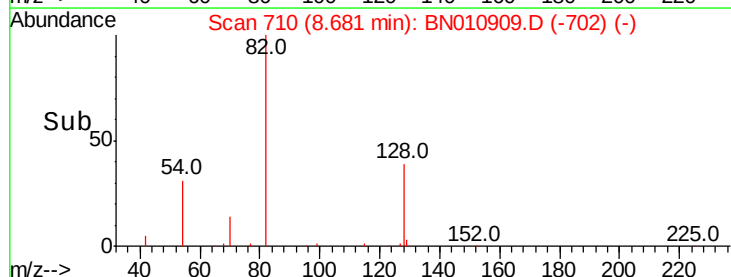
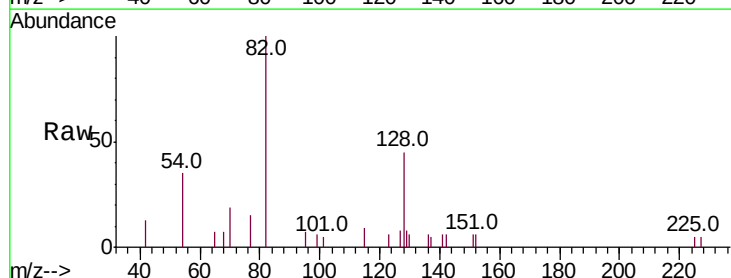
Tgt Ion: 82 Resp: 2052

Ion Ratio Lower Upper

82 100

128 45.0 35.4 53.0

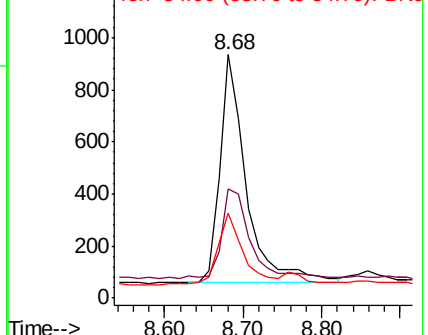
54 35.0 28.2 42.4

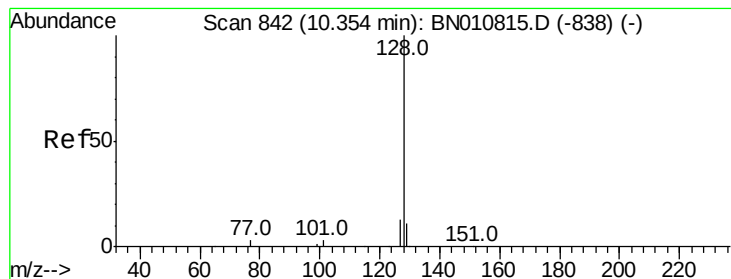


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.238 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

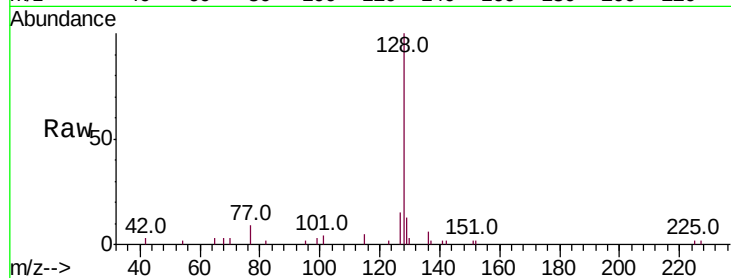
Tot Ion:128 Resp: 4991

Ion Ratio Lower Upper

128 100

129 13.1 9.6 14.4

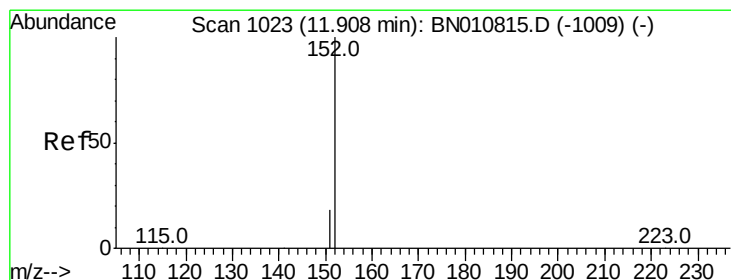
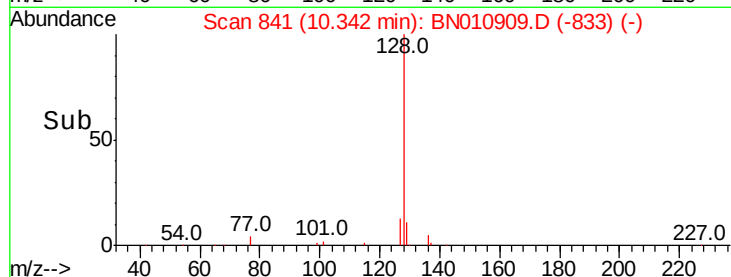
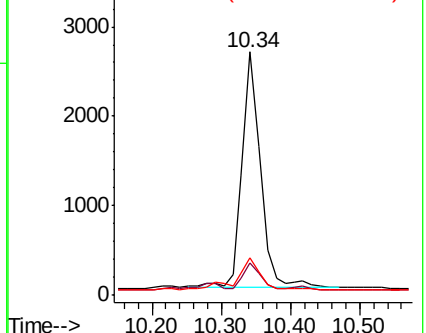
127 15.4 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.285 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BN010909.D

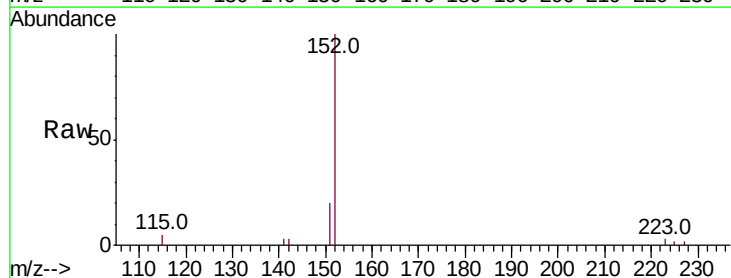
Acq: 16 Jun 2020 16:30

Tgt Ion:152 Resp: 3688

Ion Ratio Lower Upper

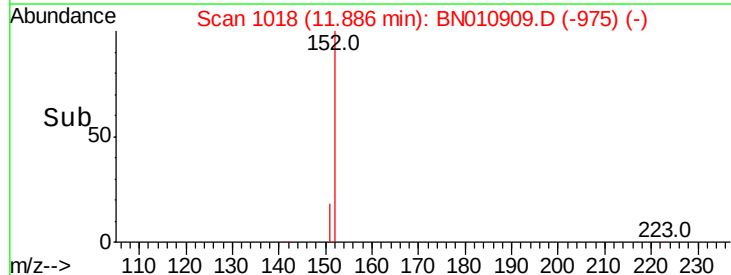
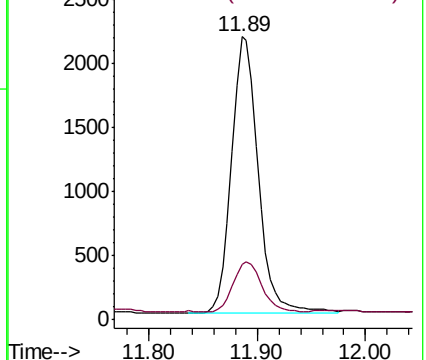
152 100

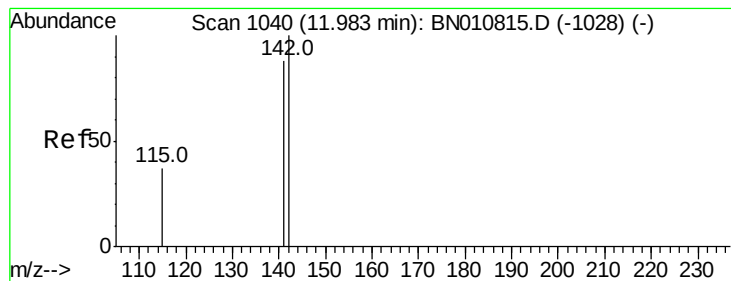
151 20.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 1.008 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

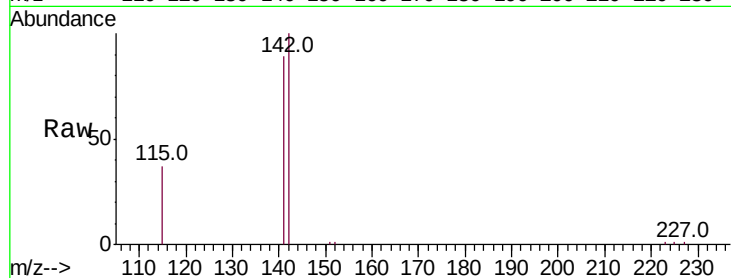
Tot Ion:142 Resp: 14117

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2

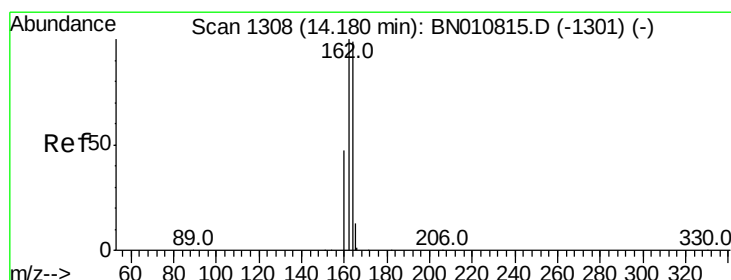
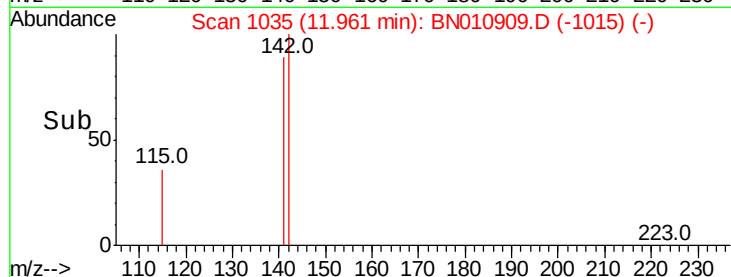
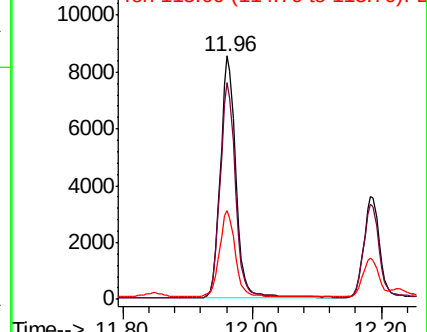
115 36.7 31.5 47.3



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: 14.17 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

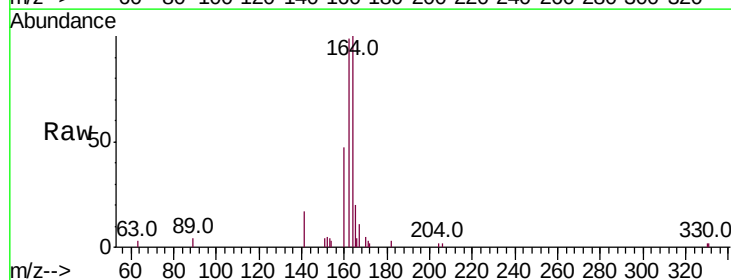
Tgt Ion:164 Resp: 4916

Ion Ratio Lower Upper

164 100

162 99.4 81.0 121.6

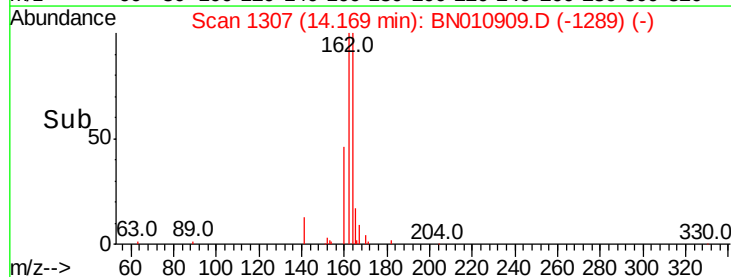
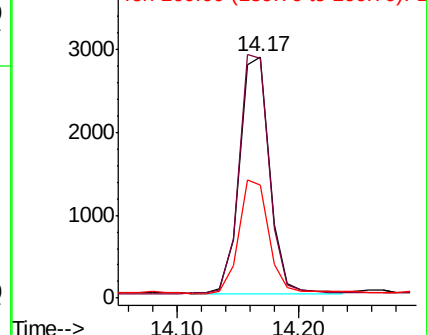
160 46.8 38.9 58.3

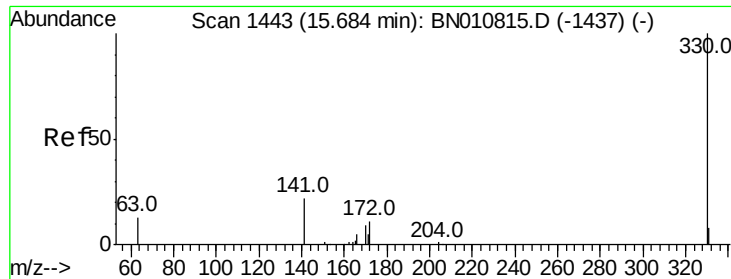


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

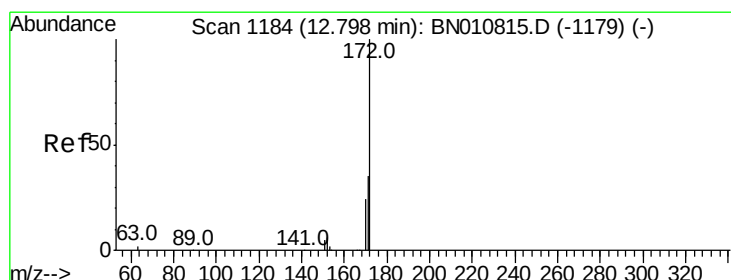
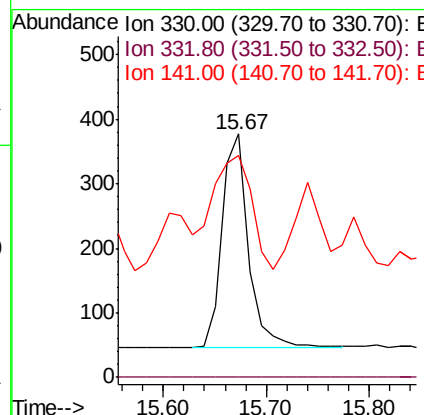
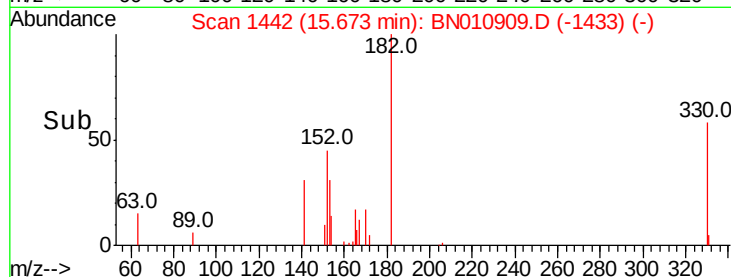
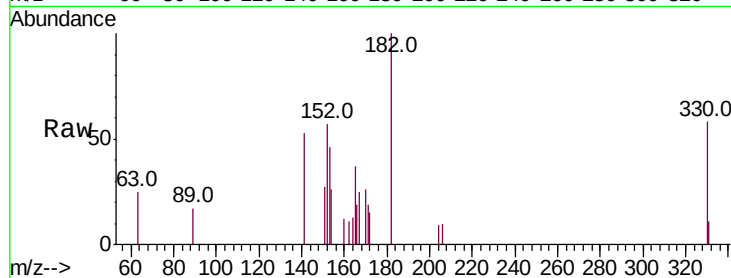




#14
 2,4,6-Tribromophenol
 Concen: 0.335 ng
 RT: 15.67 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BN010909.D
 Acq: 16 Jun 2020 16:30

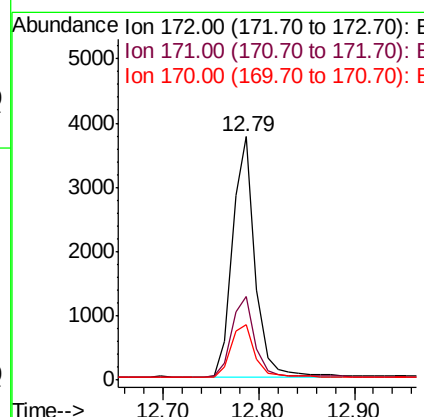
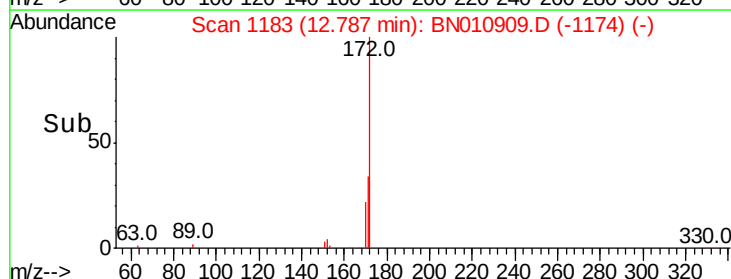
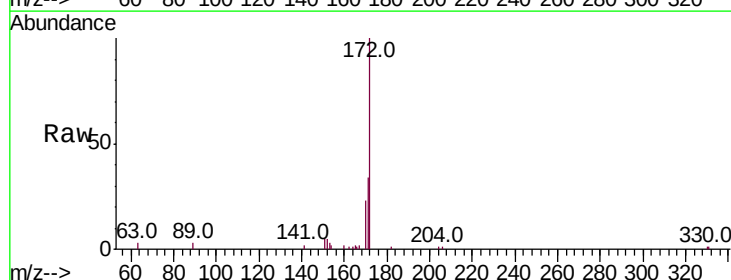
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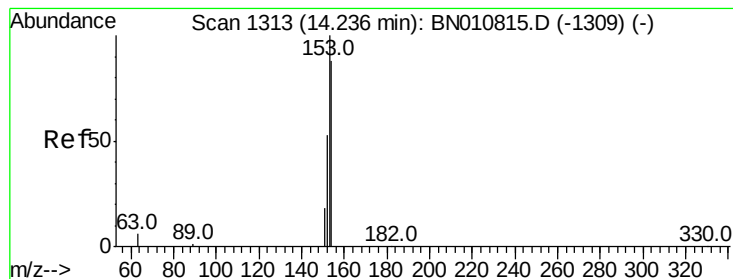
Tot Ion:330 Resp: 589
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 78.3 33.2 49.8#



#15
 2-Fluorobiphenyl
 Concen: 0.317 ng
 RT: 12.79 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BN010909.D
 Acq: 16 Jun 2020 16:30

Tgt Ion:172 Resp: 6147
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.0 19.7 29.5





#17

Acenaphthene

Concen: 0.031 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

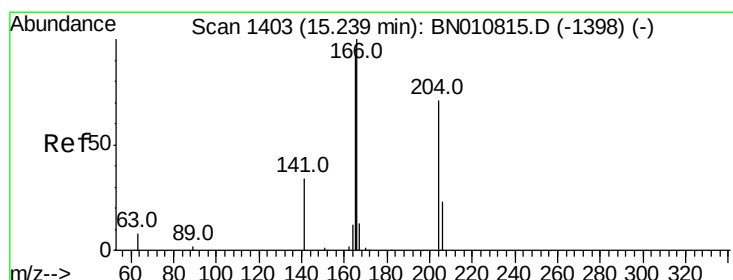
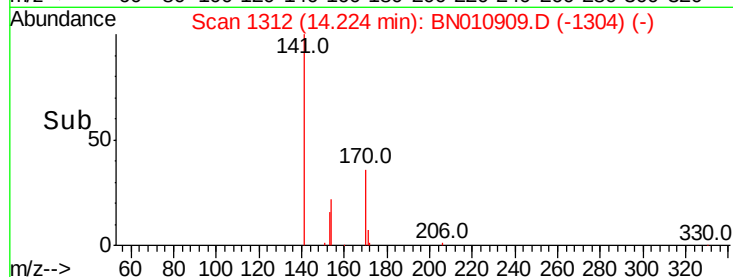
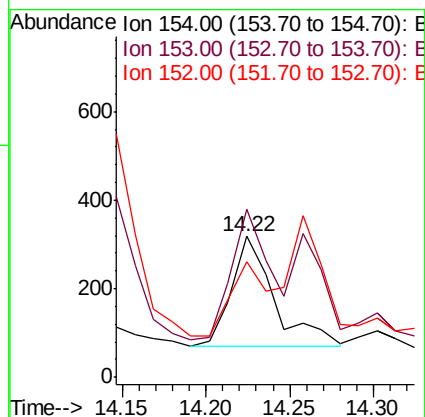
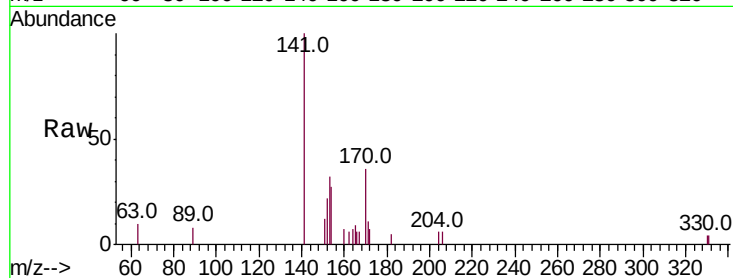
Tot Ion:154 Resp: 431

Ion Ratio Lower Upper

154 100

153 110.9 91.8 137.6

152 0.0 47.6 71.4#



#18

Fluorene

Concen: 0.105 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

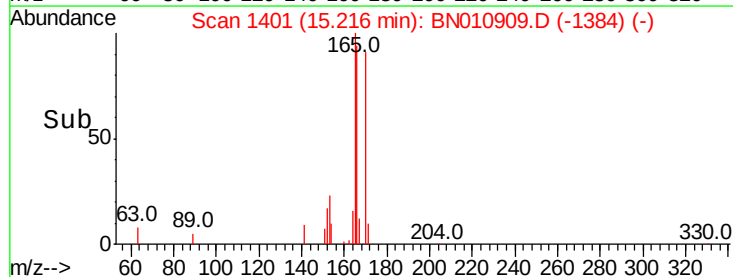
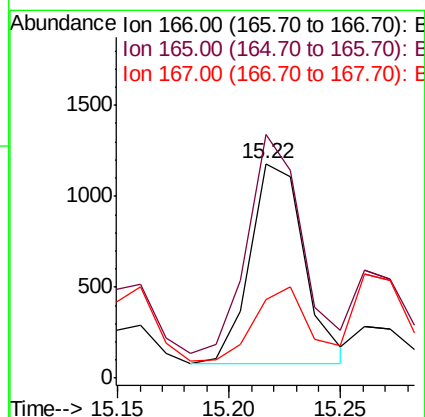
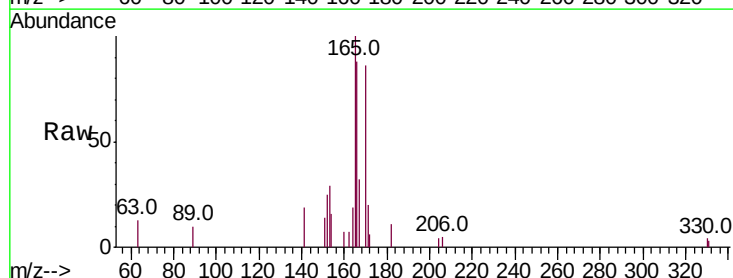
Tgt Ion:166 Resp: 1862

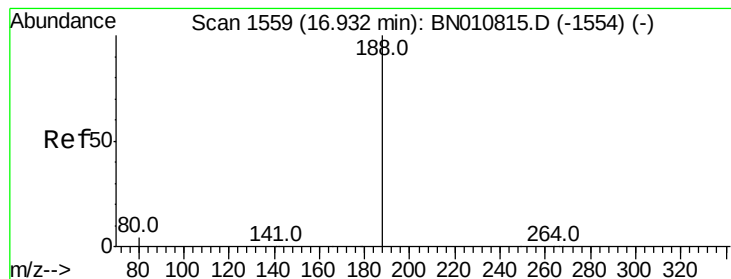
Ion Ratio Lower Upper

166 100

165 109.0 77.2 115.8

167 38.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

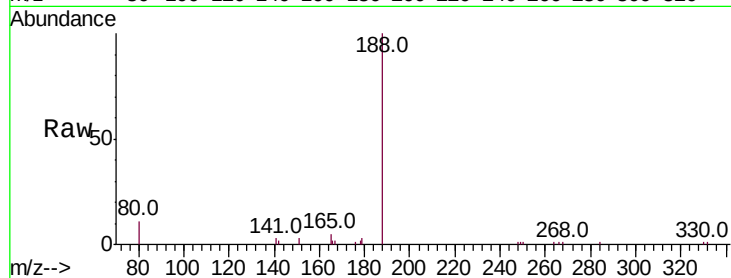
Tot Ion:188 Resp: 9919

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

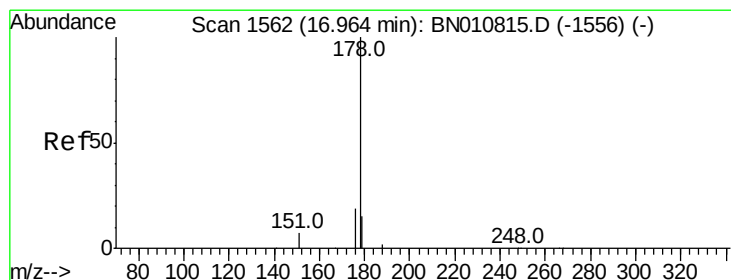
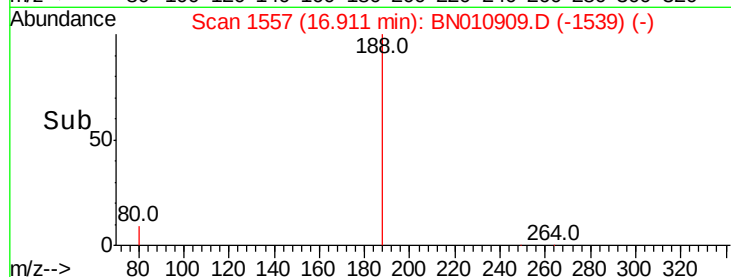
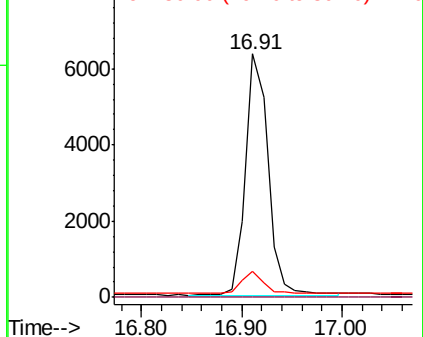
80 10.7 4.5 6.7#



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



#23

Phenanthrene

Concen: 0.297 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

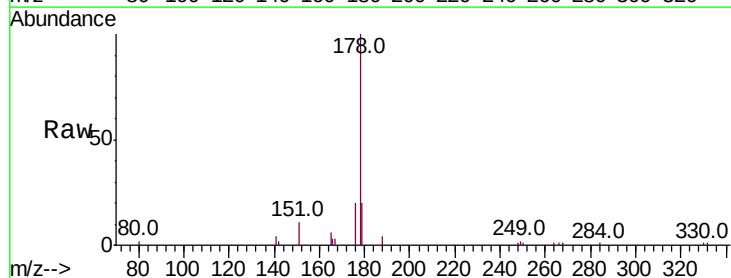
Tgt Ion:178 Resp: 8038

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

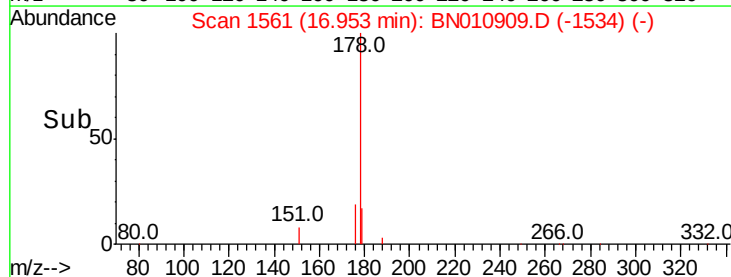
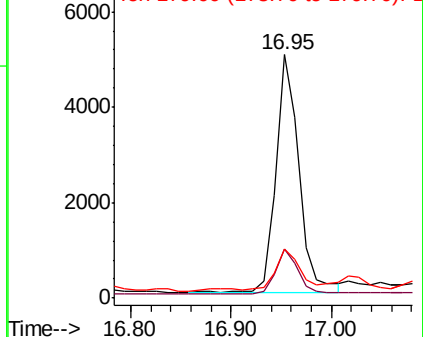
179 17.1 12.6 19.0

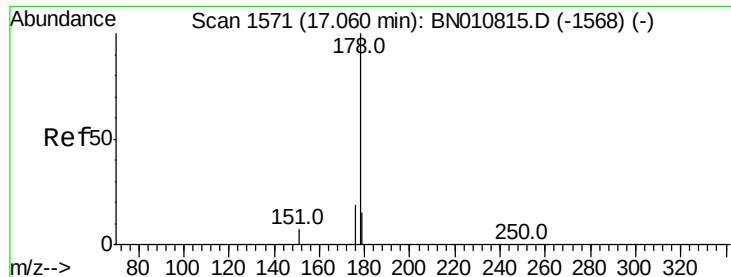


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.028 ng

RT: 17.11 min Scan# 1576

Delta R.T. 0.06 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

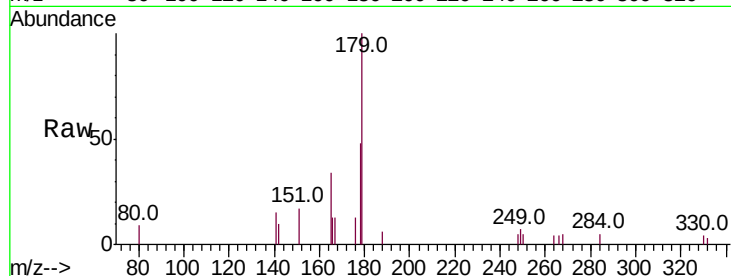
Tot Ion:178 Resp: 623

Ion Ratio Lower Upper

178 100

176 22.5 14.6 22.0#

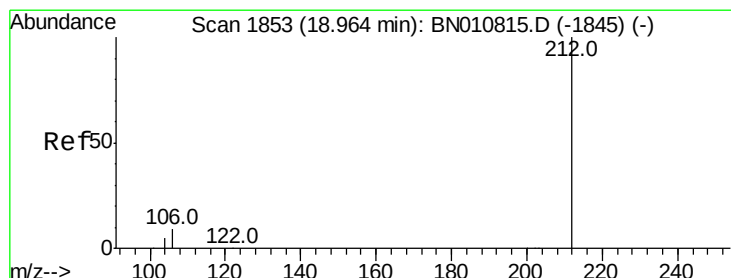
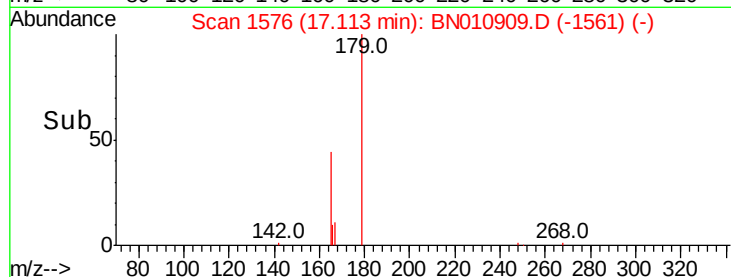
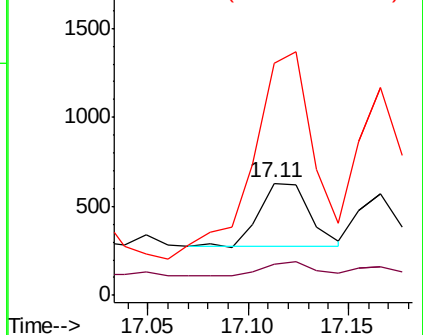
179 401.6 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

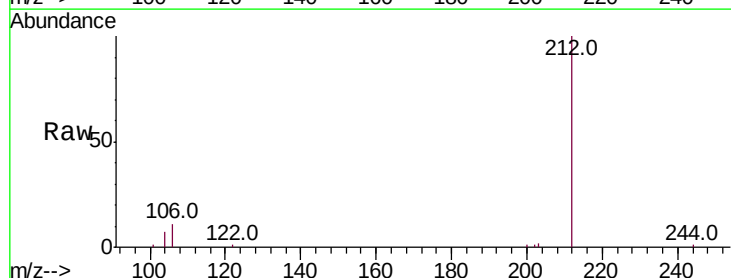
Tgt Ion:212 Resp: 10015

Ion Ratio Lower Upper

212 100

106 10.3 6.6 10.0#

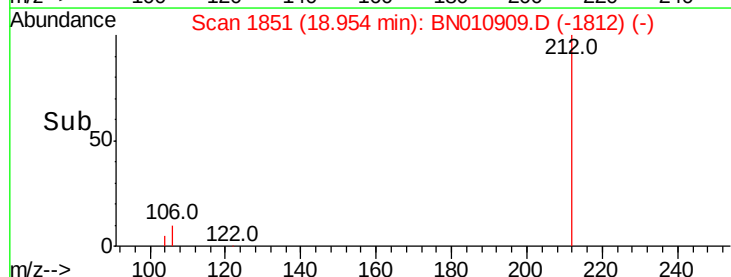
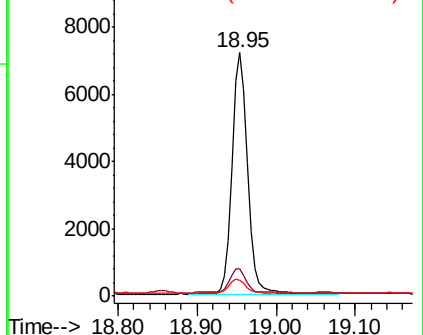
104 6.0 4.0 6.0

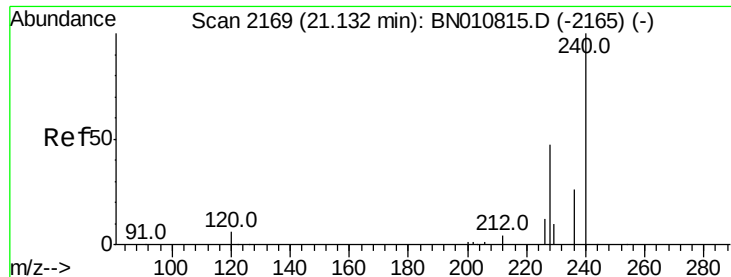


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

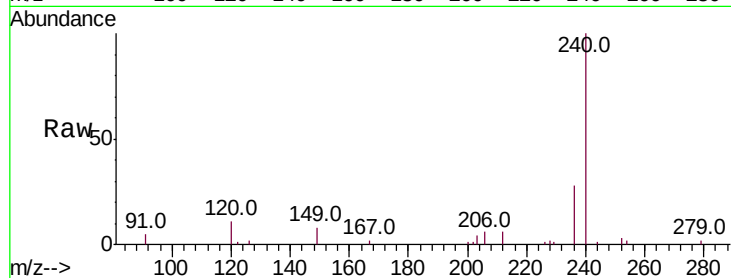
Tot Ion:240 Resp: 9634

Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

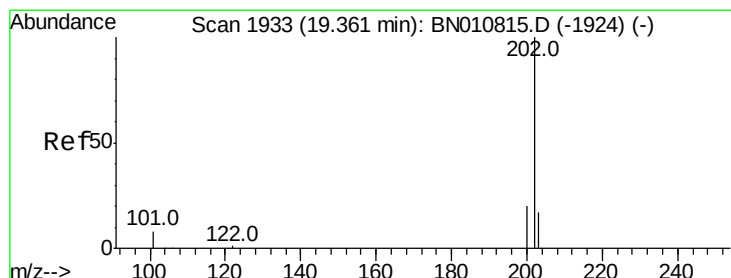
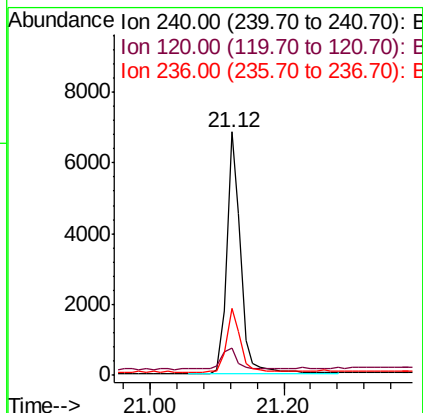
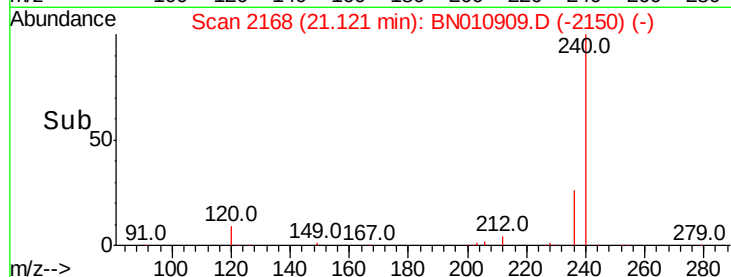
236 27.6 22.3 33.5



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: 0.034 ng

RT: 19.35 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

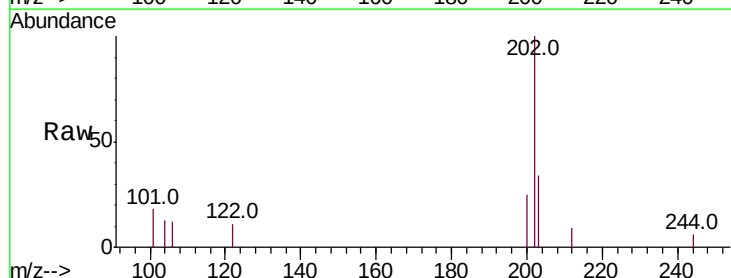
Tgt Ion:202 Resp: 1072

Ion Ratio Lower Upper

202 100

200 20.9 16.4 24.6

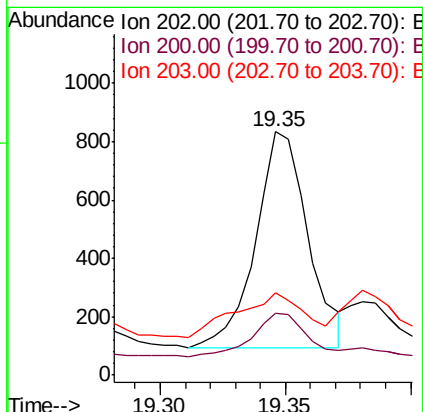
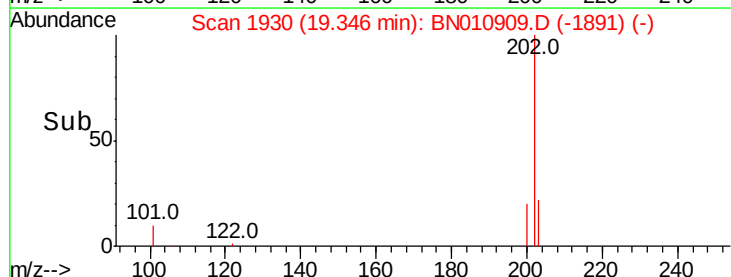
203 25.2 14.2 21.4#

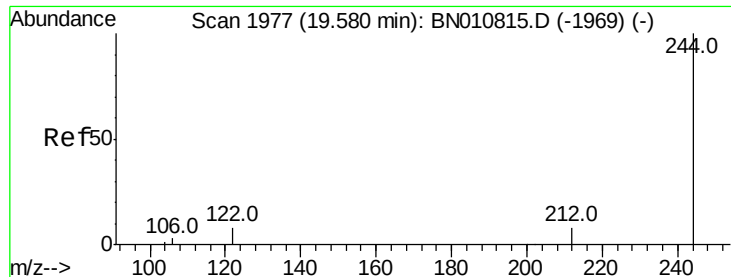


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.408 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

Instrument :

BNA_N

ClientSampleId :

SS043MW014-200610

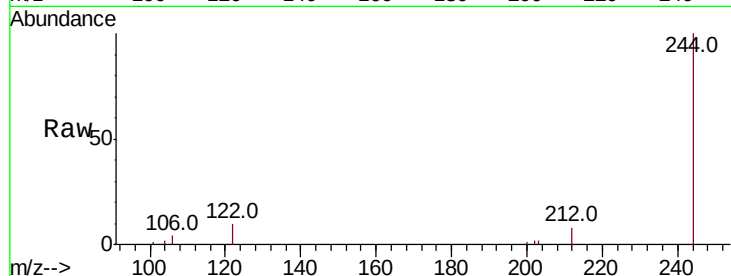
Tot Ion:244 Resp: 9211

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

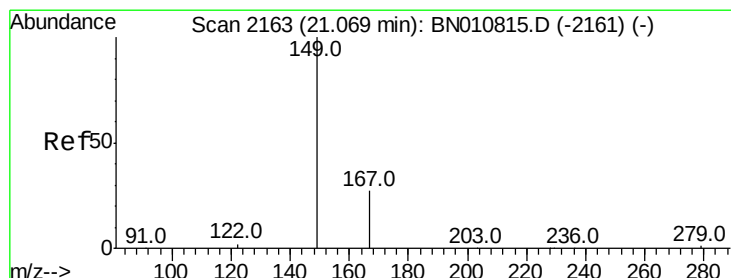
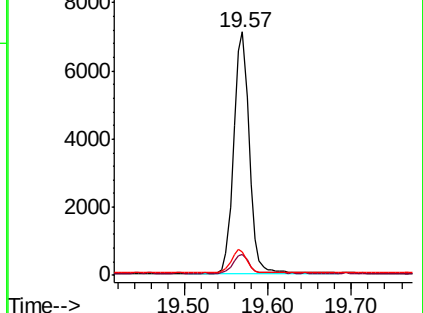
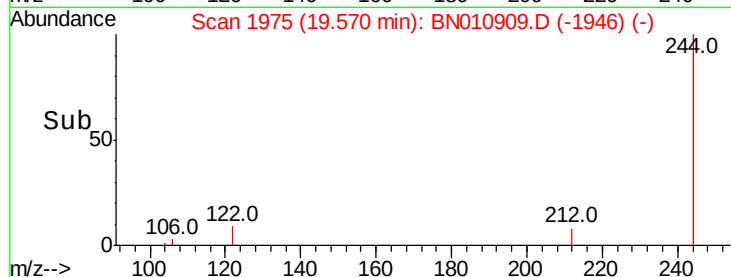
122 9.9 7.5 11.3



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: 0.094 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN010909.D

Acq: 16 Jun 2020 16:30

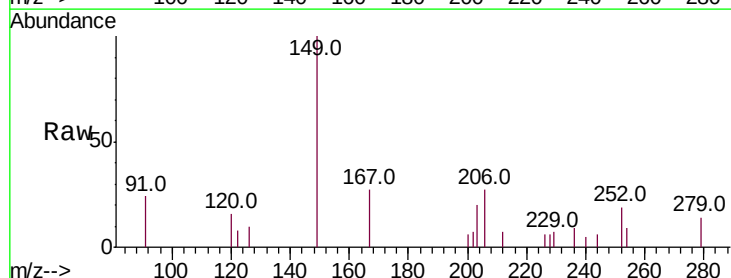
Tgt Ion:149 Resp: 887

Ion Ratio Lower Upper

149 100

167 28.7 24.1 36.1

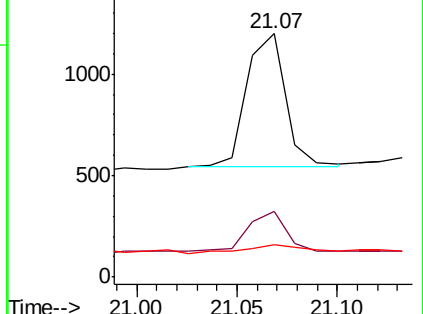
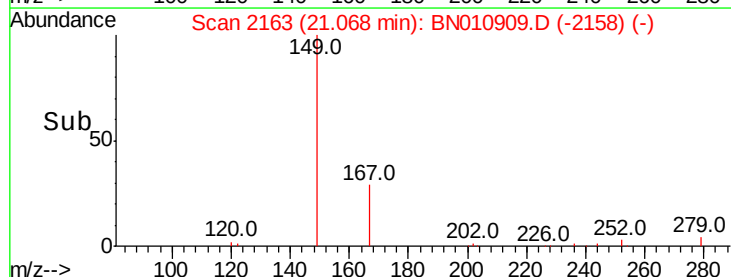
279 9.8 4.6 7.0#

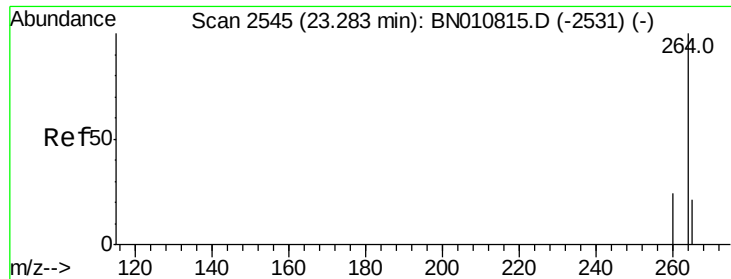


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
 Pervlone-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BN010909.D
 Acq: 16 Jun 2020 16:30

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW014-200610

Tot Ion: 264 Resp: 10191
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.4 30.6
 265 78.2 75.0 112.4

