

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061820\
 Data File : BN010959.D
 Acq On : 18 Jun 2020 18:36
 Operator : CG/JU
 Sample : L3020-20
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-23

Quant Time: Jun 18 19:15:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 18 14:14:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2421	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8603	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	5601	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	10679	0.40	ng	0.00
27) Chrysene-d12	21.11	240	9364	0.40	ng	-0.01
34) Perylene-d12	23.26	264	9975	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	908	0.19	ng	0.00
5) Phenol-d6	6.74	99	754	0.14	ng	0.00
8) Nitrobenzene-d5	8.68	82	2360	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	11.88	152	3421	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	892	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	6957	0.31	ng	0.00
25) Fluoranthene-d10	18.95	212	12434	0.42	ng	0.00
29) Terphenyl-d14	19.56	244	12909	0.59	ng	0.00

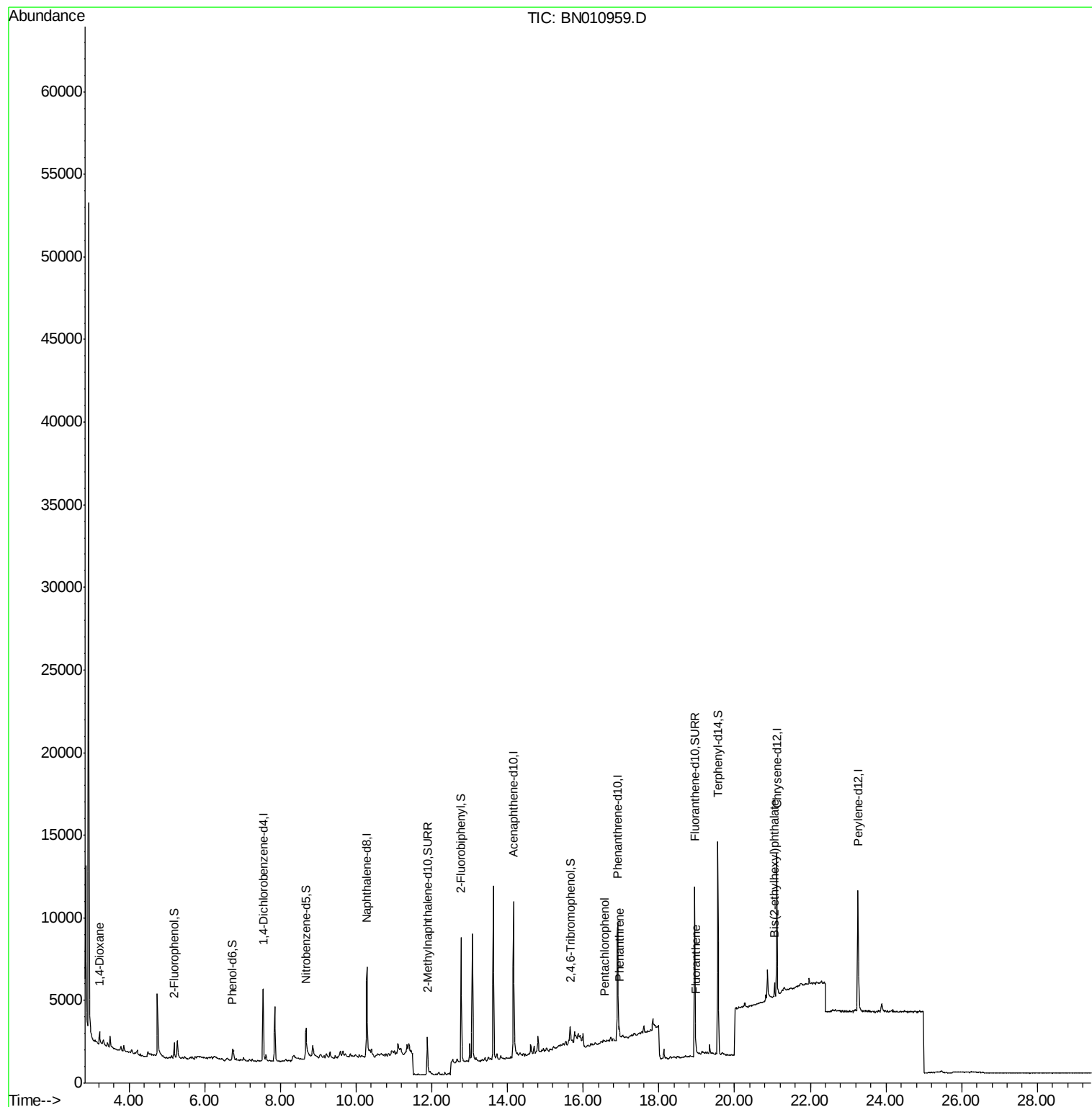
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	709	0.299	ng	97
22) Pentachlorophenol	16.57	266	50	0.022	ng	# 68
23) Phenanthrene	16.95	178	770	0.026	ng	# 83
26) Fluoranthene	18.98	202	768	0.023	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.06	149	745	0.081	ng	# 95

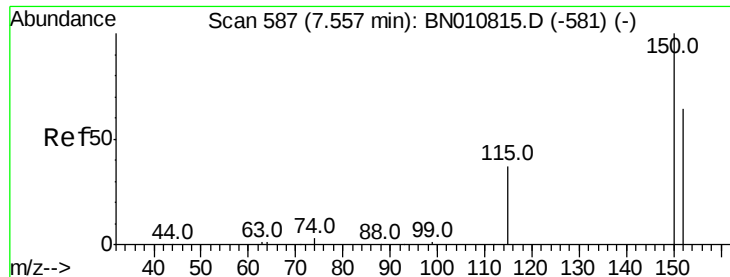
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

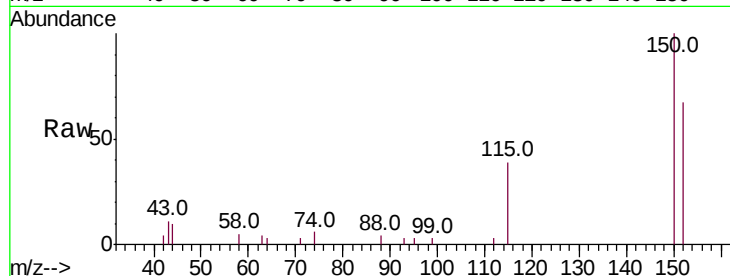
Tot Ion:152 Resp: 2421

Ion Ratio Lower Upper

152 100

150 148.5 123.8 185.6

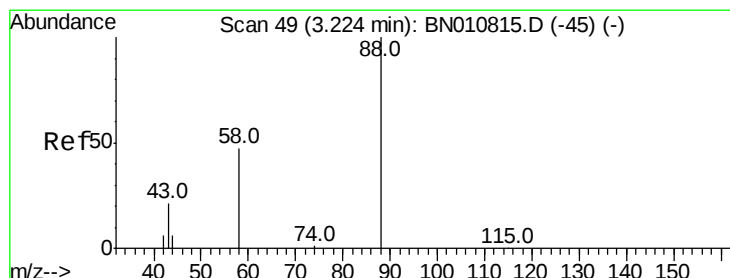
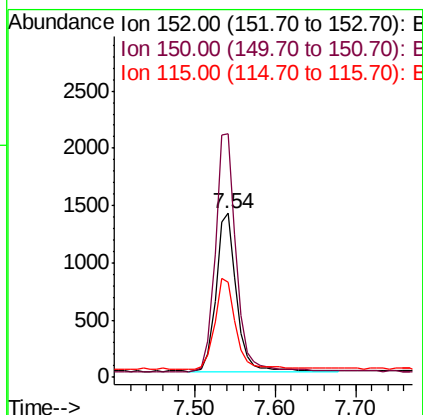
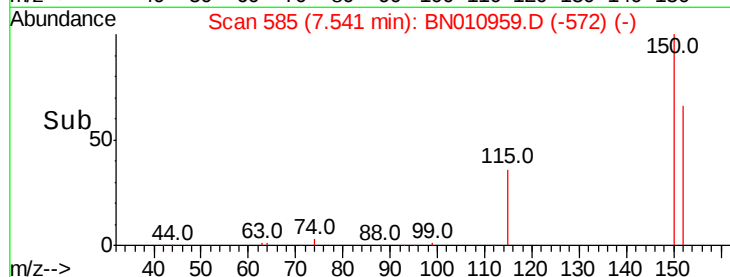
115 57.9 49.2 73.8



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



#2

1,4-Dioxane

Concen: 0.299 ng

RT: 3.22 min Scan# 48

Delta R.T. 0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

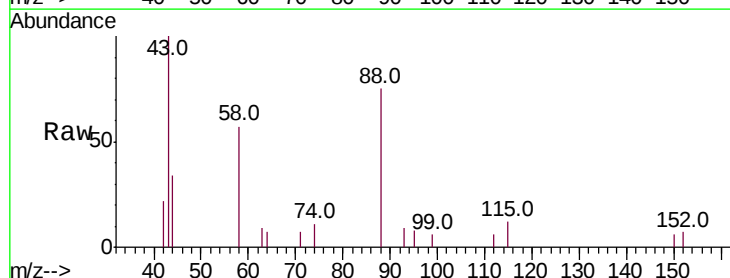
Tgt Ion: 88 Resp: 709

Ion Ratio Lower Upper

88 100

58 49.6 38.2 57.4

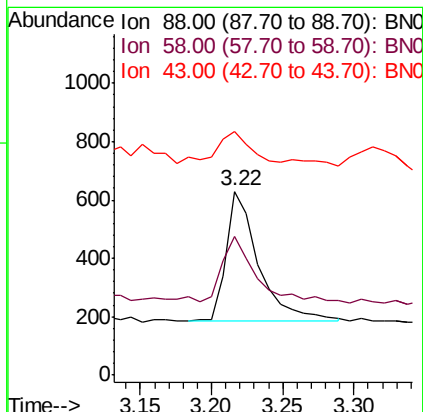
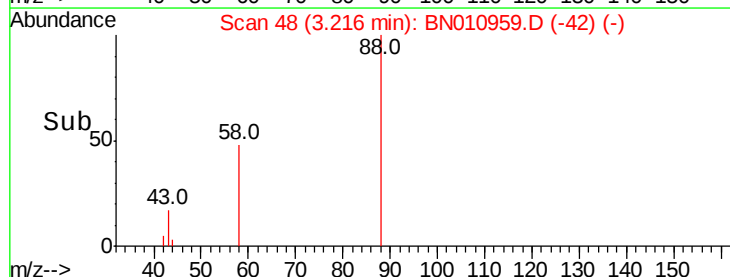
43 20.6 15.1 22.7

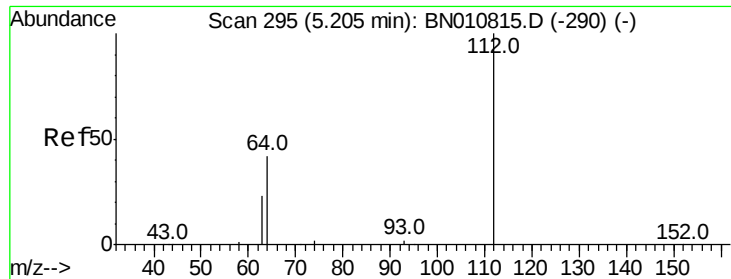


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.194 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

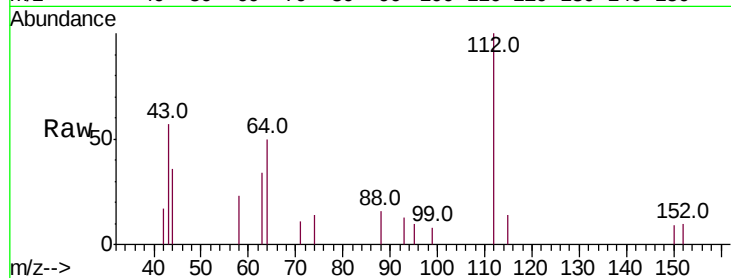
Tot Ion:112 Resp: 908

Ion Ratio Lower Upper

112 100

64 44.9 37.4 56.0

63 23.7 22.2 33.4



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

5.19

600

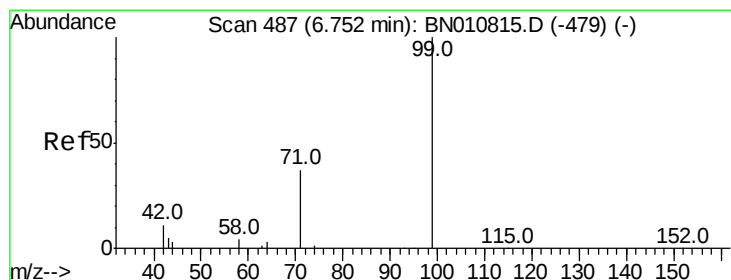
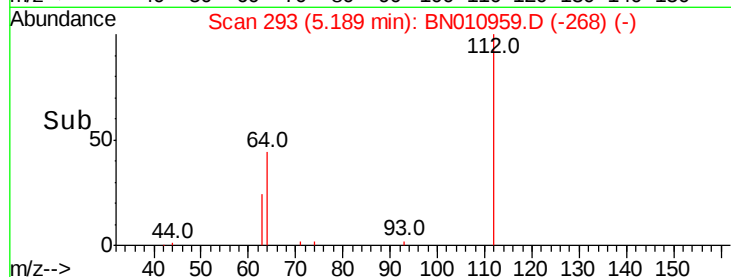
400

200

0

5.10 5.20 5.30

Time-->



#5

Phenol-d6

Concen: 0.137 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

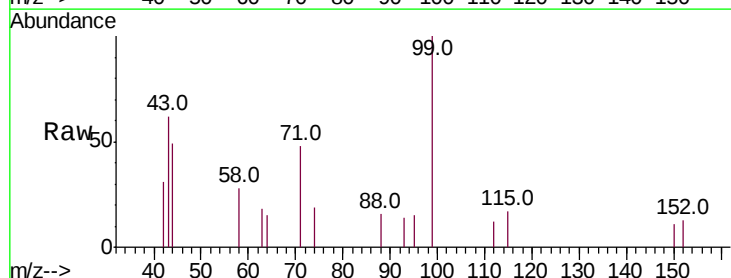
Tgt Ion: 99 Resp: 754

Ion Ratio Lower Upper

99 100

42 17.8 11.1 16.7#

71 53.3 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.74

600

500

400

300

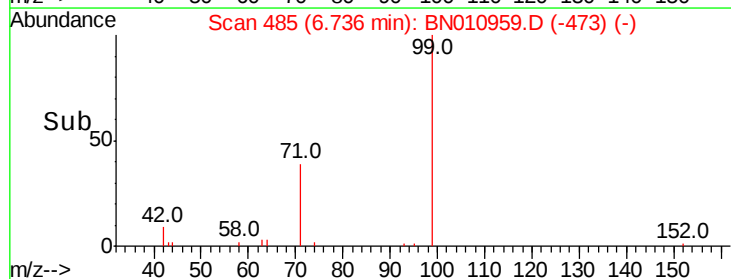
200

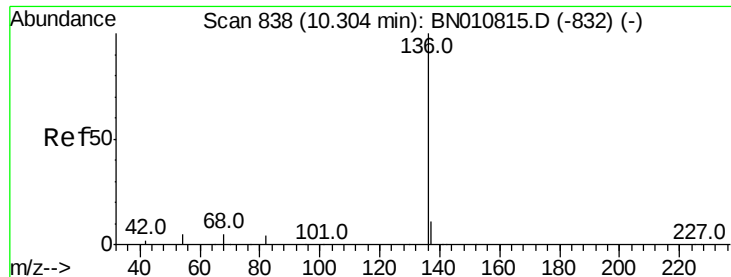
100

0

6.60 6.70 6.80 6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

Tot Ion:136 Resp: 8603

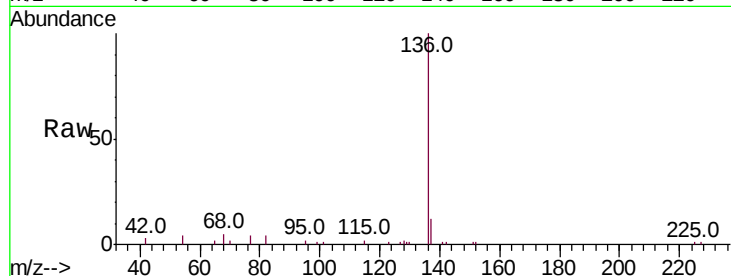
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 4.2 4.9 7.3#

68 5.1 4.7 7.1

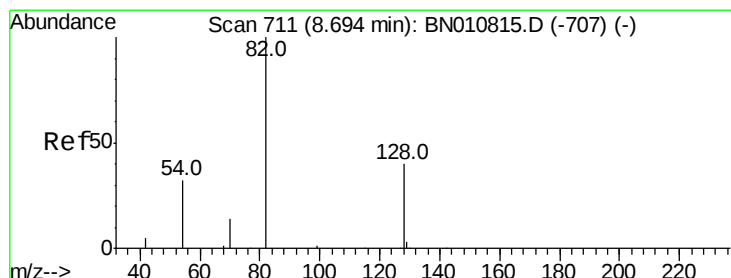
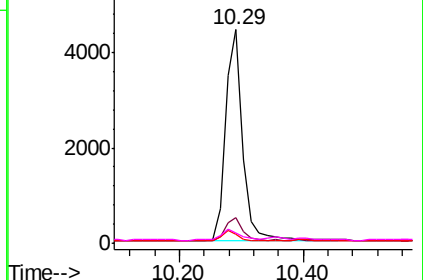
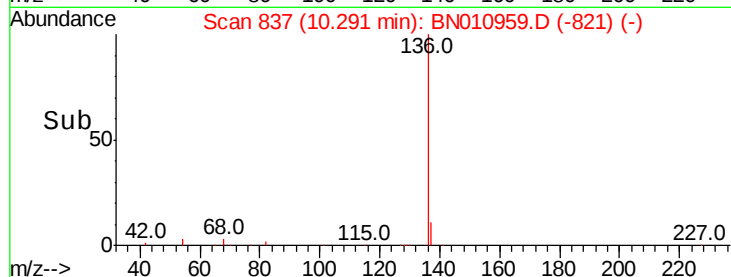


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.01 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

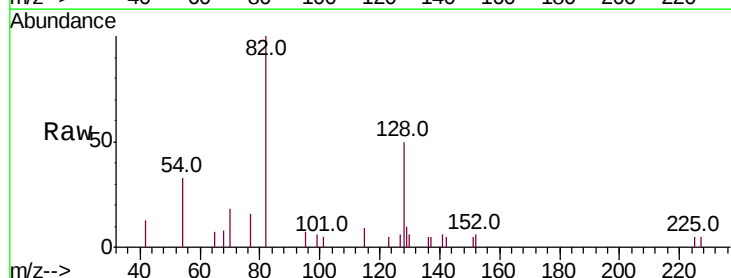
Tgt Ion: 82 Resp: 2360

Ion Ratio Lower Upper

82 100

128 49.9 35.4 53.0

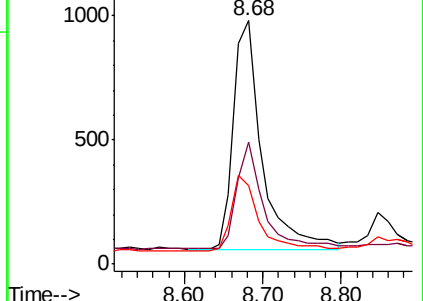
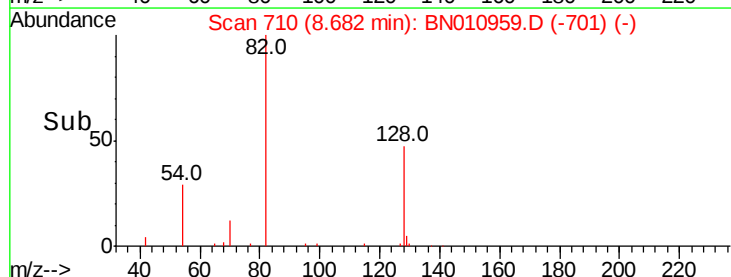
54 32.5 28.2 42.4

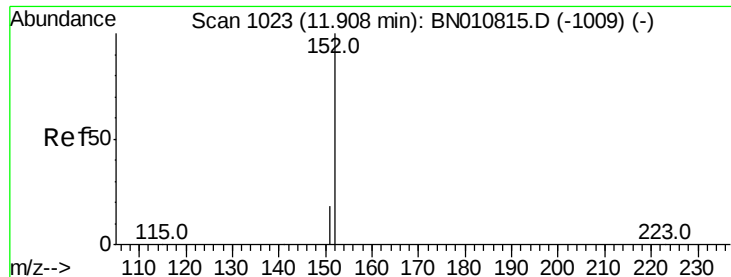


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

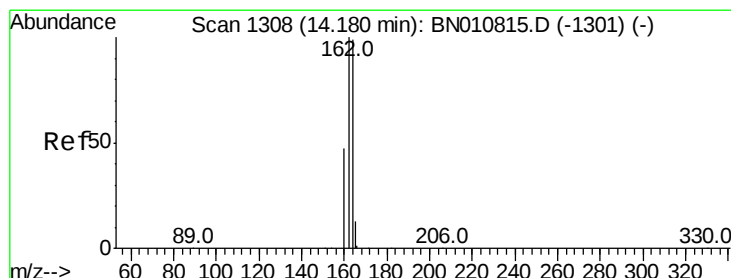
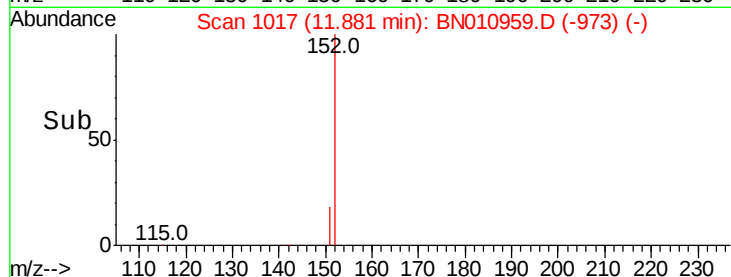
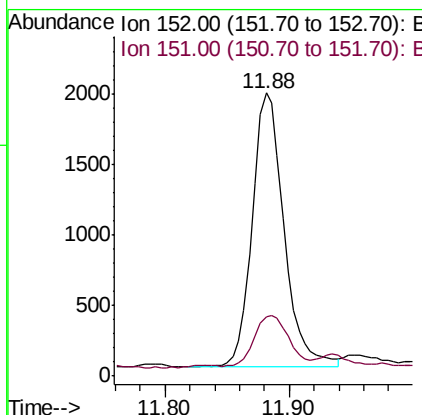
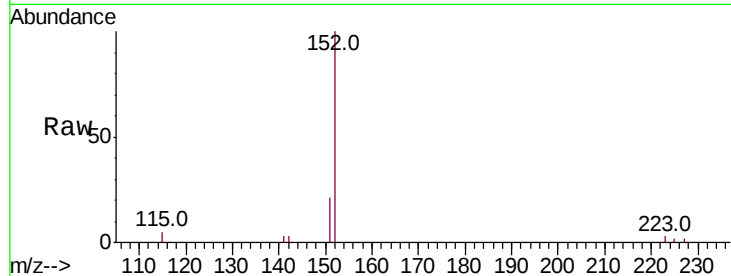




#11
2-Methylnaphthalene-d10
Concen: 0.256 ng
RT: 11.88 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BN010959.D
Acq: 18 Jun 2020 18:36

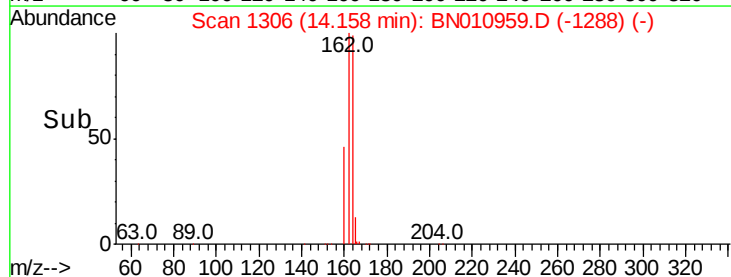
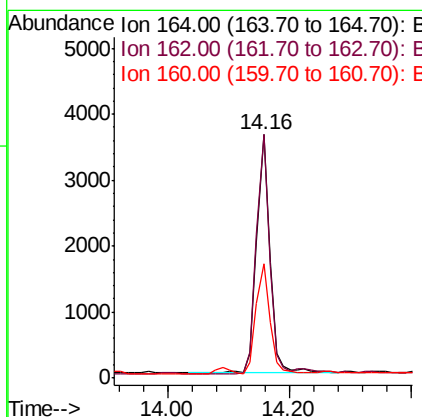
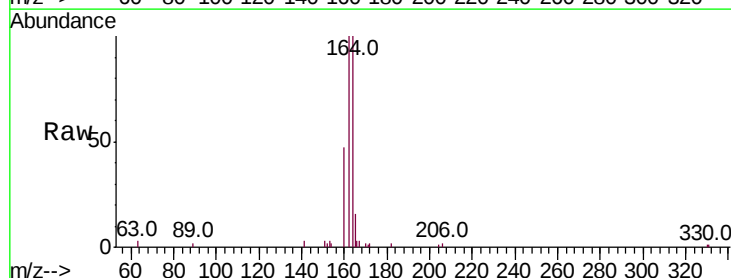
Instrument :
BNA_N
ClientSampleId :
MW-23

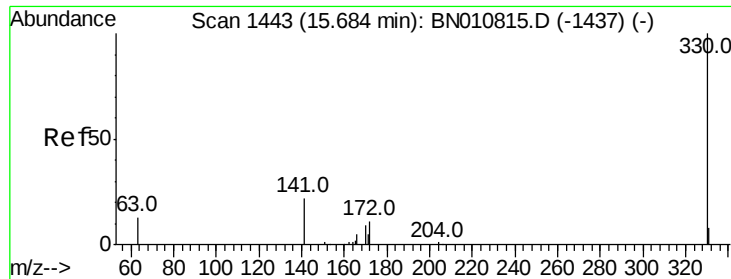
Tot Ion:152 Resp: 3421
Ion Ratio Lower Upper
152 100
151 20.2 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BN010959.D
Acq: 18 Jun 2020 18:36

Tgt Ion:164 Resp: 5601
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 47.1 38.9 58.3

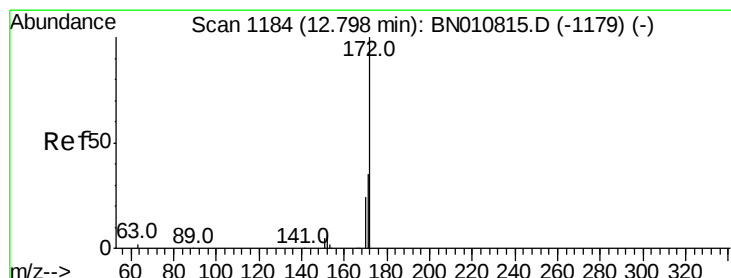
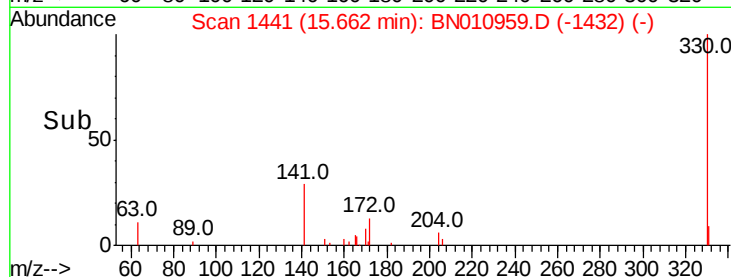
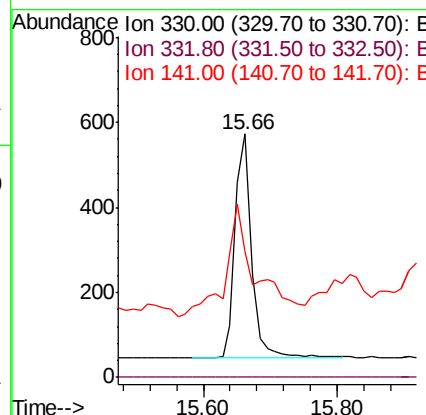
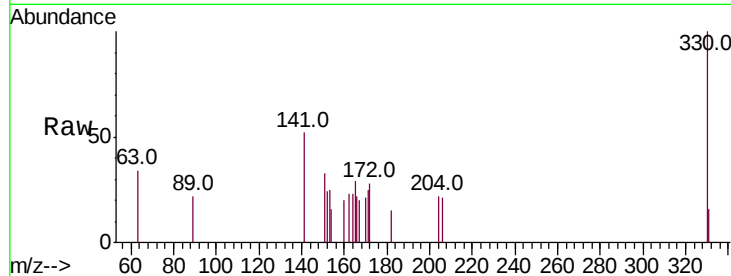




#14
 2,4,6-Tribromophenol
 Concen: 0.445 ng
 RT: 15.66 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BN010959.D
 Acq: 18 Jun 2020 18:36

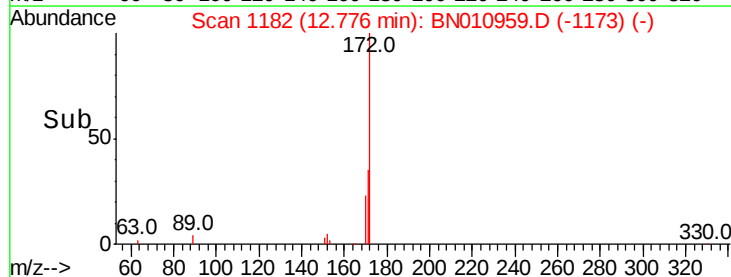
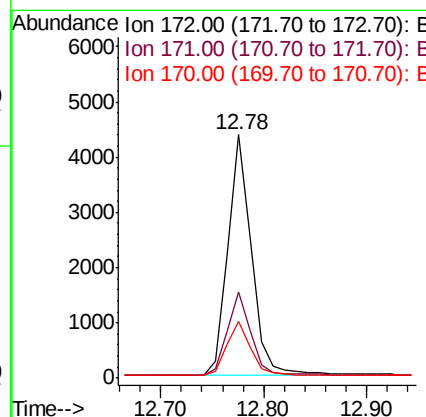
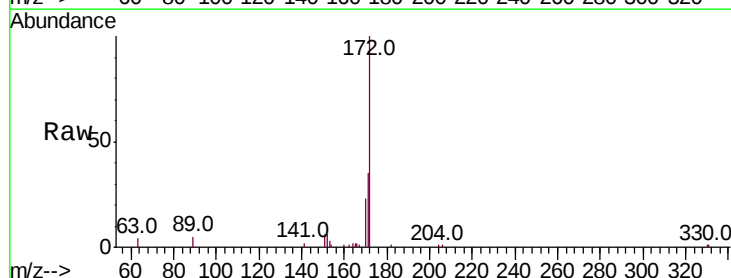
Instrument :
 BNA_N
 ClientSampleId :
 MW-23

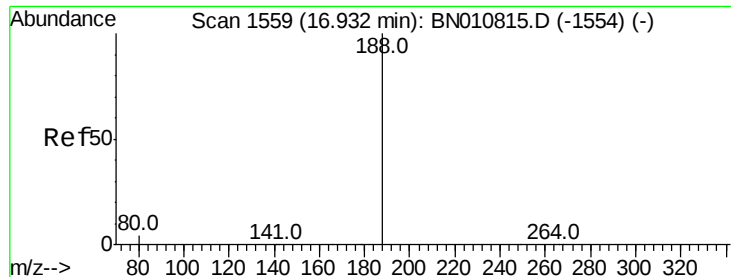
Tot Ion:330 Resp: 892
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 64.6 33.2 49.8#



#15
 2-Fluorobiphenyl
 Concen: 0.315 ng
 RT: 12.78 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BN010959.D
 Acq: 18 Jun 2020 18:36

Tgt Ion:172 Resp: 6957
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 23.3 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

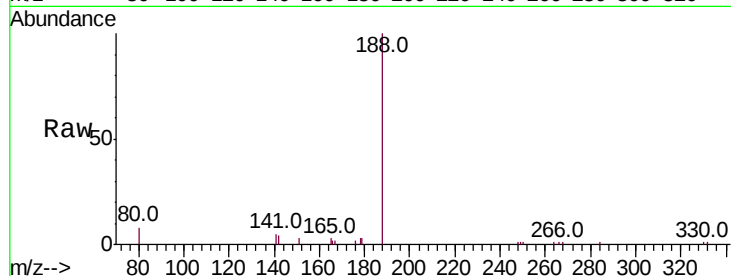
Tot Ion:188 Resp: 10679

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

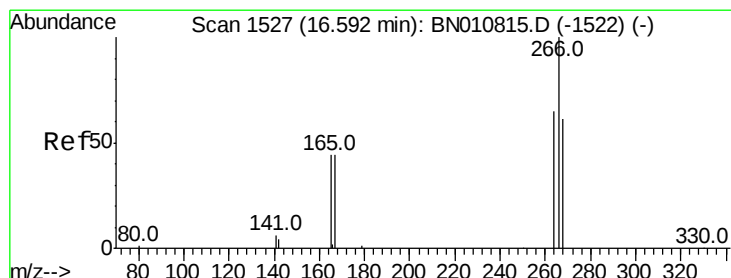
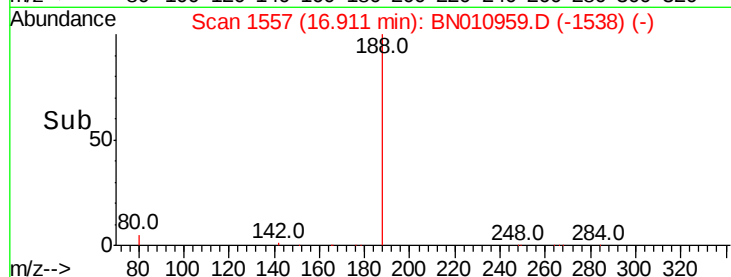
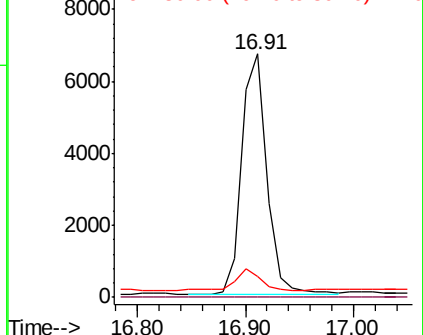
80 8.5 4.5 6.7#



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



#22

Pentachlorophenol

Concen: 0.022 ng

RT: 16.57 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

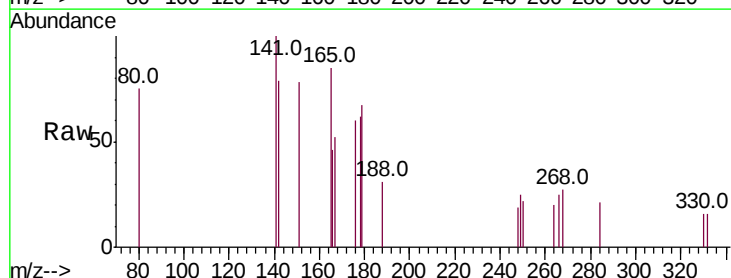
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

266 100

264 79.7 54.8 82.2

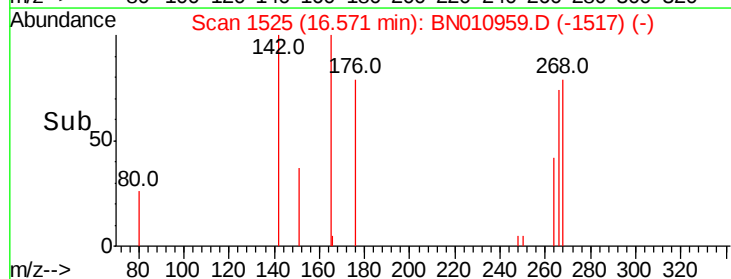
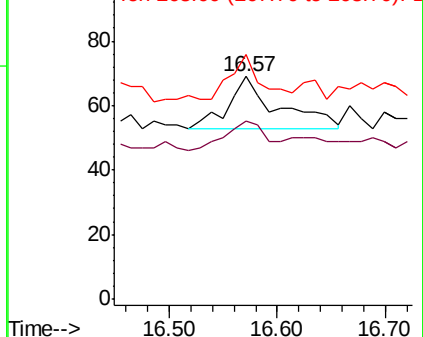
268 110.1 55.9 83.9#

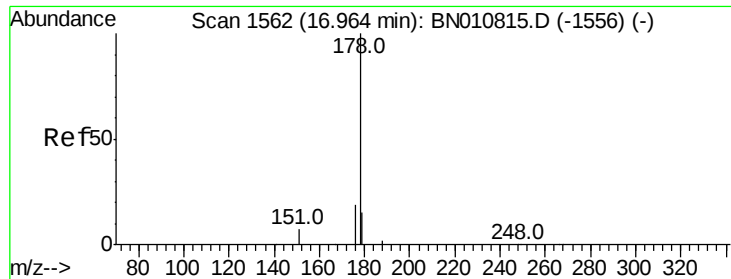


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.026 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

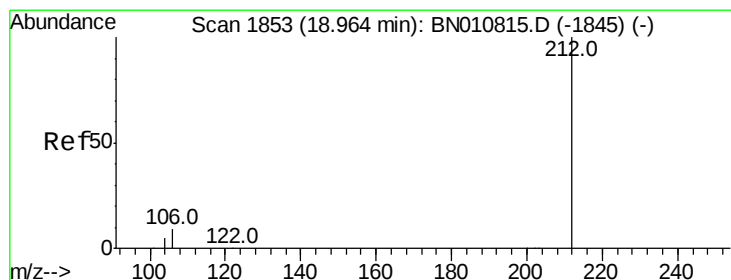
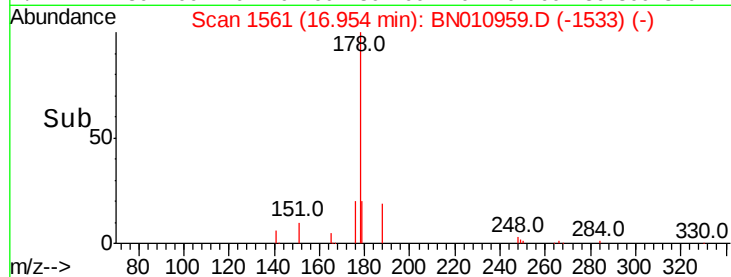
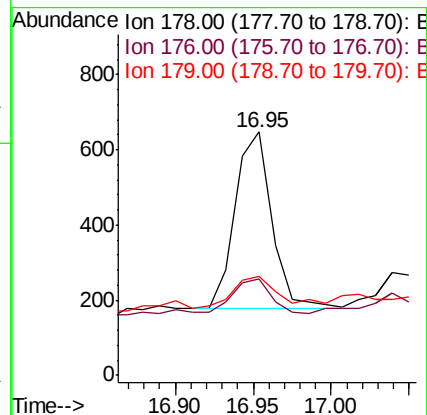
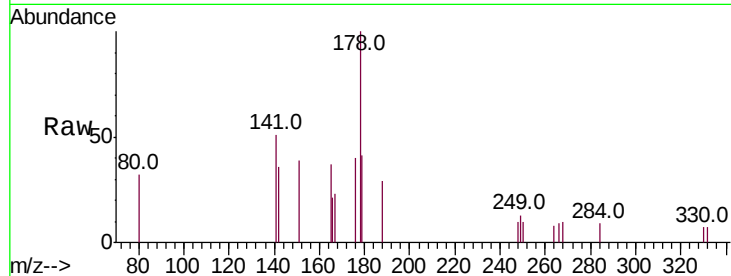
Tot Ion:178 Resp: 770

Ion Ratio Lower Upper

178 100

176 26.2 15.3 22.9#

179 23.9 12.6 19.0#



#25

Fluoranthene-d10

Concen: 0.422 ng

RT: 18.95 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

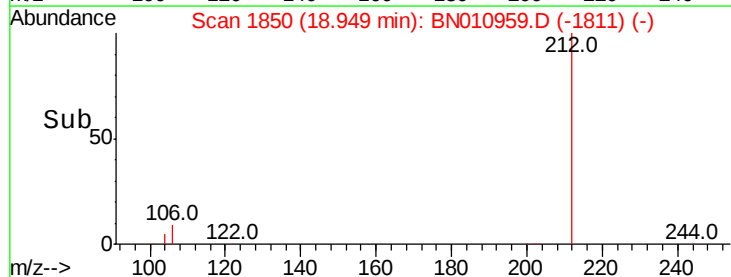
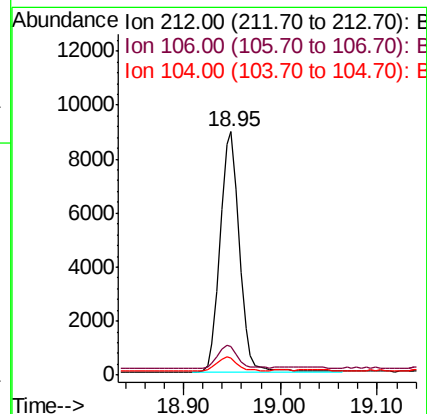
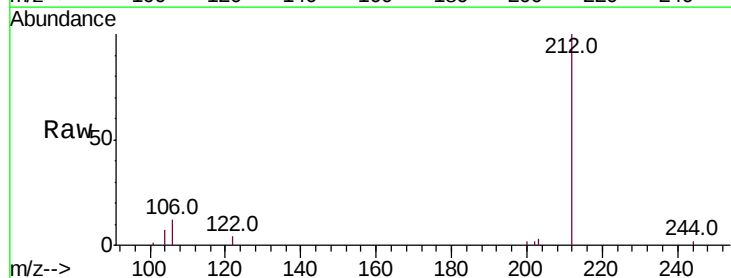
Tgt Ion:212 Resp: 12434

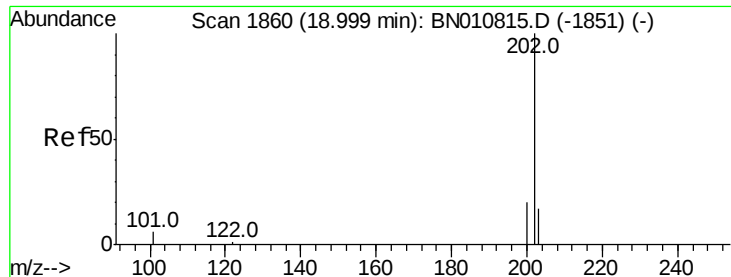
Ion Ratio Lower Upper

212 100

106 10.6 6.6 10.0#

104 5.8 4.0 6.0

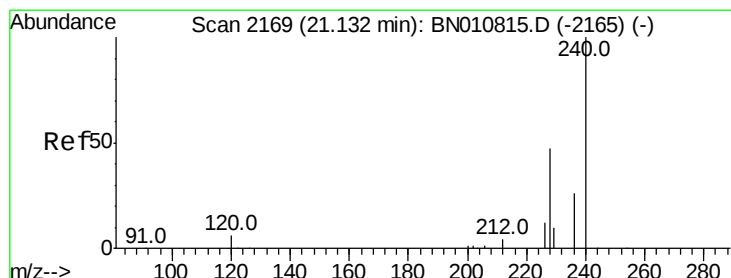
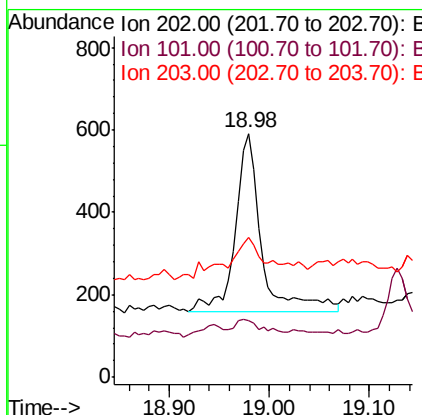
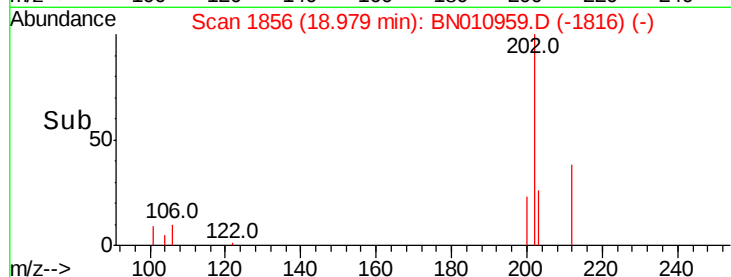
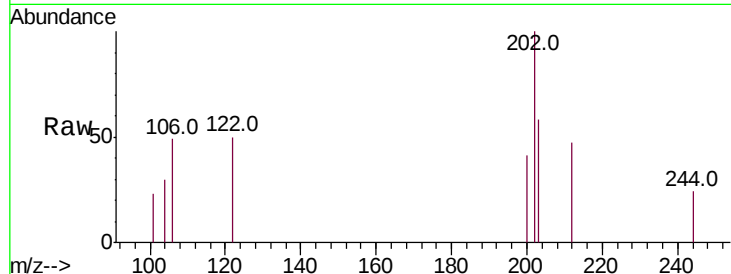




#26
 Fluoranthene
 Concen: 0.023 ng
 RT: 18.98 min Scan# 1856
 Delta R.T. 0.00 min
 Lab File: BN010959.D
 Acq: 18 Jun 2020 18:36

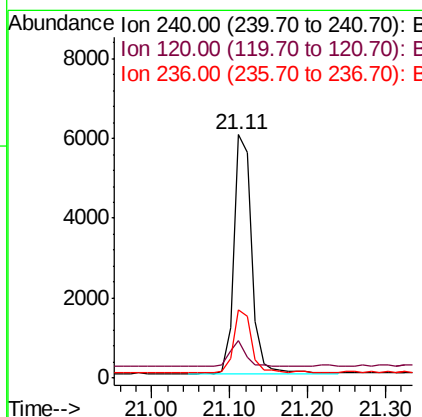
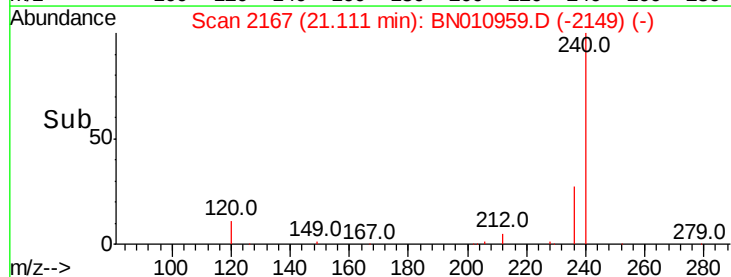
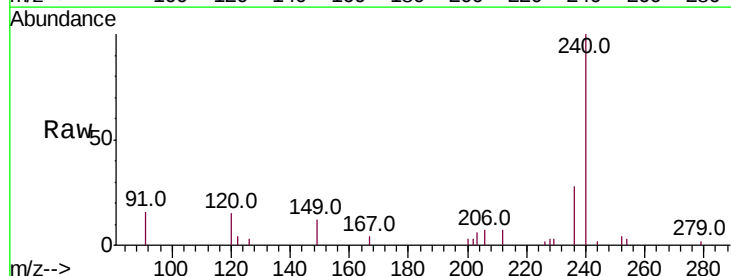
Instrument :
 BNA_N
 ClientSampleId :
 MW-23

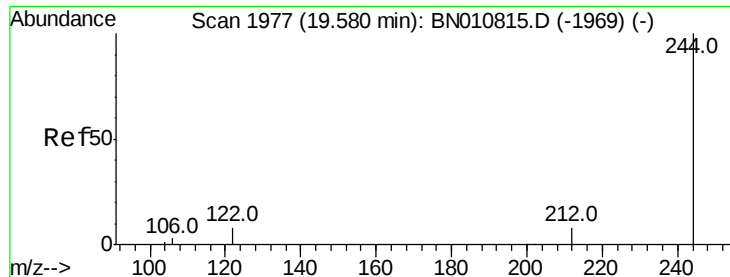
Tot Ion:202 Resp: 768
 Ion Ratio Lower Upper
 202 100
 101 7.8 5.8 8.6
 203 11.5 13.7 20.5#



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BN010959.D
 Acq: 18 Jun 2020 18:36

Tgt Ion:240 Resp: 9364
 Ion Ratio Lower Upper
 240 100
 120 15.3 7.5 11.3#
 236 28.2 22.3 33.5





#29

Terphenyl-d14

Concen: 0.589 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

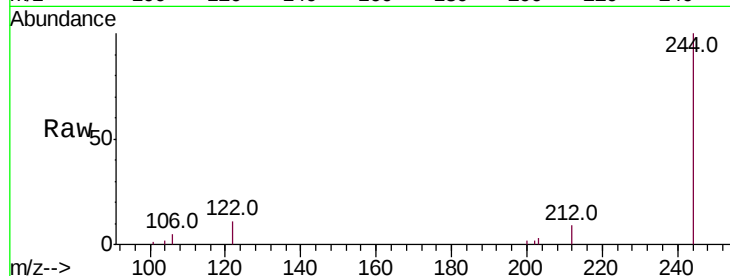
Tot Ion:244 Resp: 12909

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

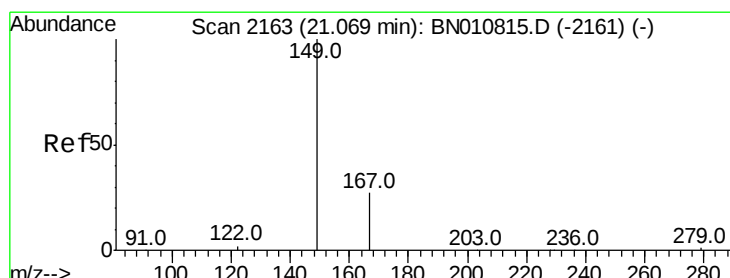
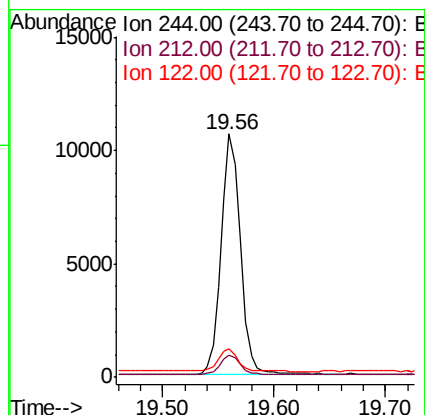
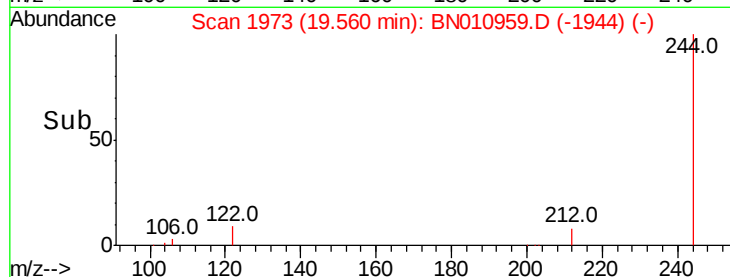
122 11.5 7.5 11.3#



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: 0.081 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

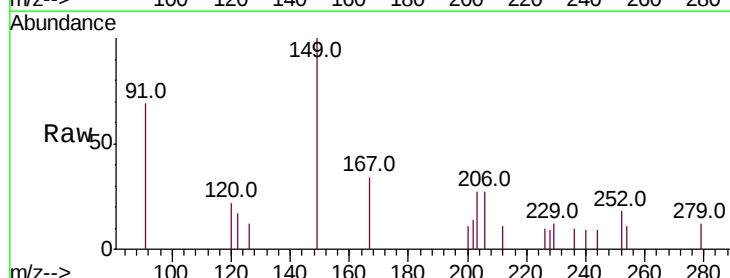
Tgt Ion:149 Resp: 745

Ion Ratio Lower Upper

149 100

167 27.2 24.1 36.1

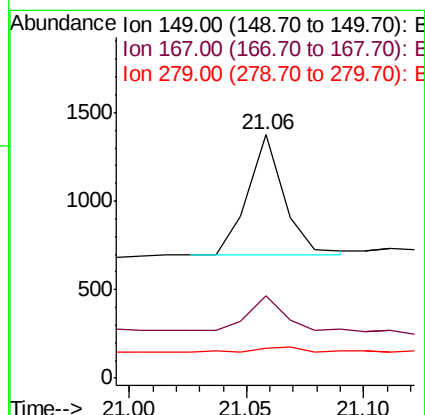
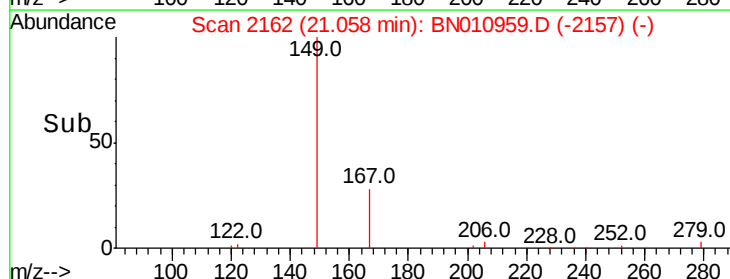
279 7.0 4.6 7.0#

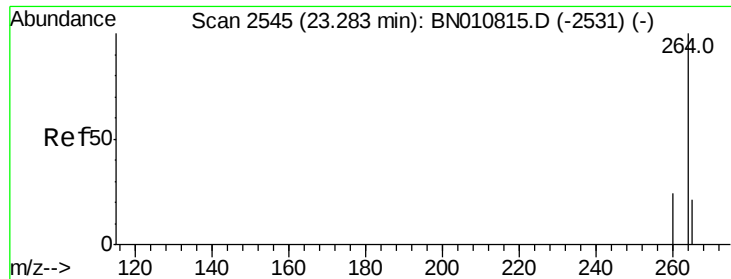


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.26 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BN010959.D

Acq: 18 Jun 2020 18:36

Instrument :

BNA_N

ClientSampleId :

MW-23

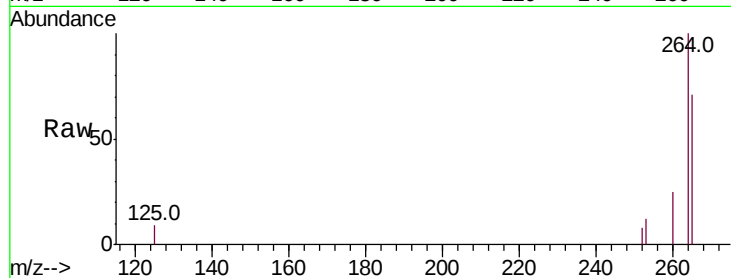
Tot Ion: 264 Resp: 9975

Ion Ratio Lower Upper

264 100

260 25.1 20.4 30.6

265 71.3 75.0 112.4#



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

