

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061820\
 Data File : BN010962.D
 Acq On : 18 Jun 2020 20:23
 Operator : CG/JU
 Sample : L3020-23
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-27

Quant Time: Jun 19 09:33:26 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	2939	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	10377	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	7164	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	13116	0.40	ng	0.00
27) Chrysene-d12	21.12	240	11398	0.40	ng	0.00
34) Perylene-d12	23.26	264	11723	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	13114	2.31	ng	0.00
5) Phenol-d6	6.71	99	2400	0.36	ng	-0.02
8) Nitrobenzene-d5	8.67	82	5366	0.70	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	5333	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	1258	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	13899	0.49	ng	0.00
25) Fluoranthene-d10	18.95	212	13817	0.38	ng	0.00
29) Terphenyl-d14	19.56	244	16627	0.62	ng	0.00

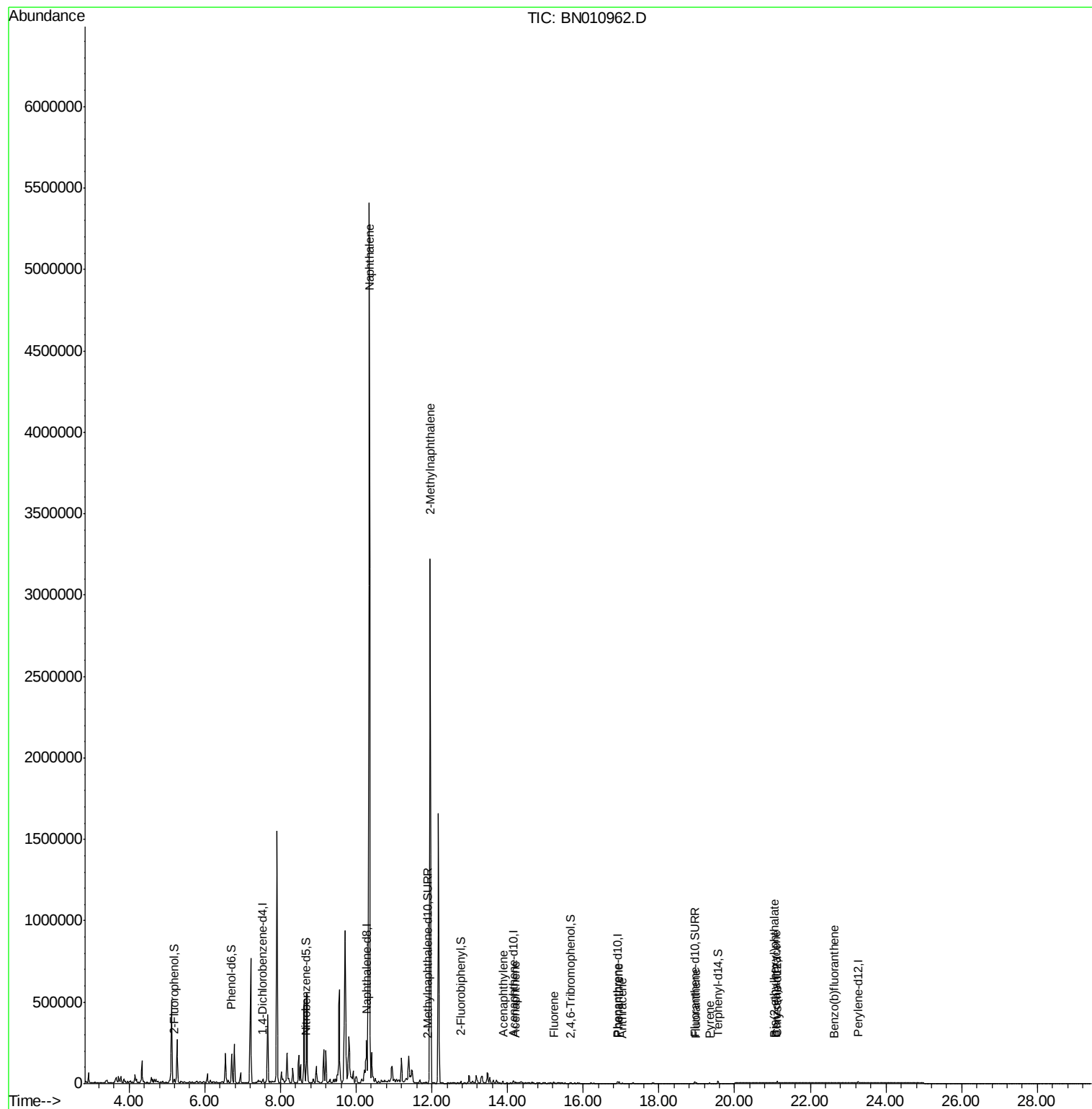
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.34	128	7084023	271.644	ng	99
12) 2-Methylnaphthalene	11.96	142	2302765	131.944	ng	96
16) Acenaphthylene	13.88	152	1718	0.059	ng	# 1
17) Acenaphthene	14.21	154	2967	0.148	ng	# 84
18) Fluorene	15.22	166	4111	0.159	ng	# 98
23) Phenanthrene	16.94	178	8464	0.236	ng	97
24) Anthracene	17.04	178	1215	0.041	ng	# 82
26) Fluoranthene	18.98	202	4304	0.106	ng	# 96
28) Pyrene	19.34	202	3491	0.093	ng	# 86
30) Benzo(a)anthracene	21.10	228	818	0.024	ng	# 60
32) Bis(2-ethylhexyl)phthalate	21.06	149	2120	0.190	ng	# 98
35) Benzo(b)fluoranthene	22.64	252	849	0.021	ng	# 1

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

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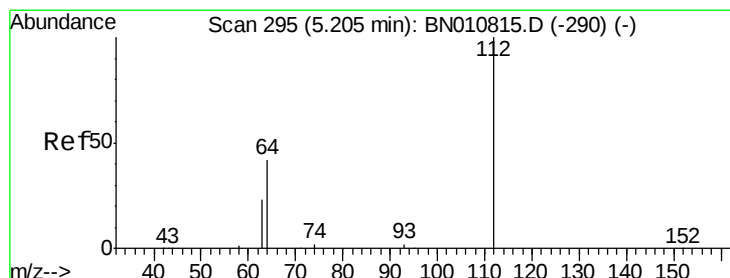
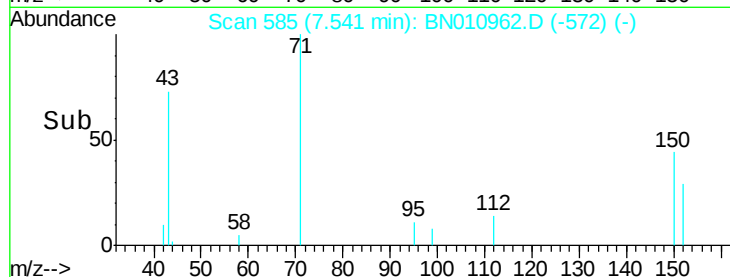
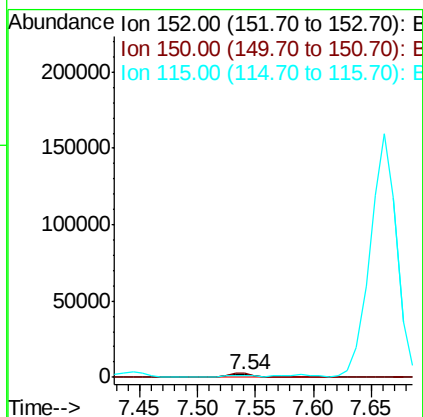
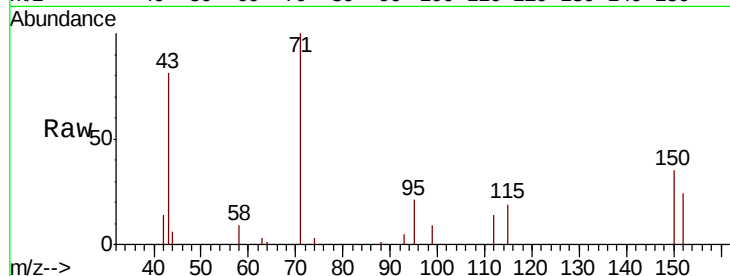


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.01 min
Lab File: BN010962.D
Acq: 18 Jun 2020 20:23

Instrument :
BNA_N
ClientSampled :
MW-27

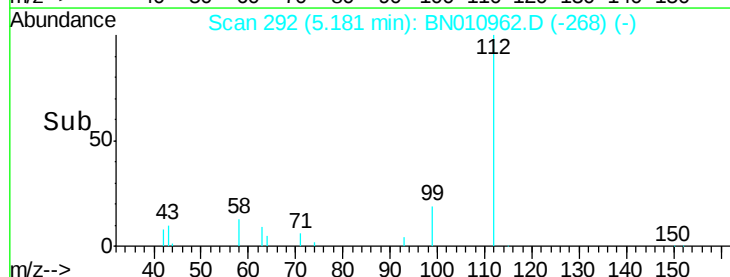
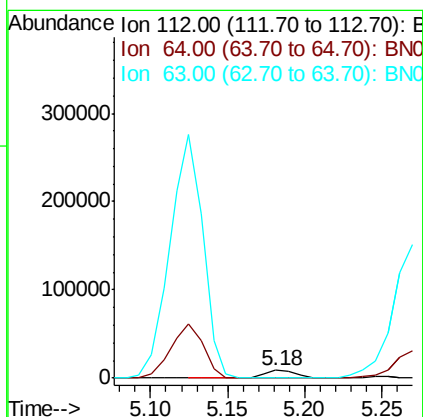
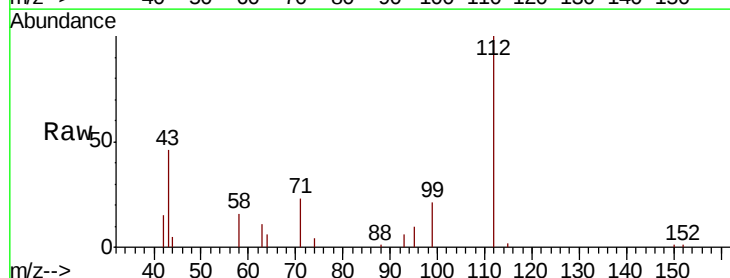
Tot Ion:152 Resp: 2939
Ion Ratio Lower Upper
152 100
150 147.5 123.8 185.6
115 79.9 49.2 73.8#

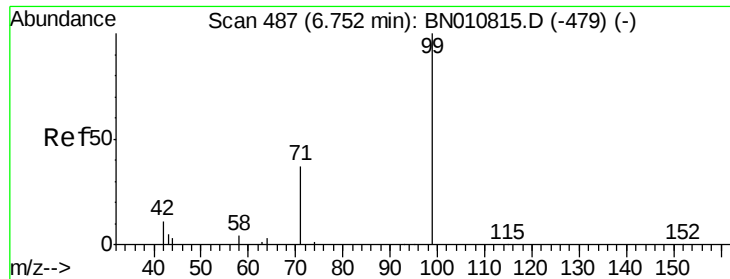


#4

2-Fluorophenol
Concen: 2.311 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.01 min
Lab File: BN010962.D
Acq: 18 Jun 2020 20:23

Tgt Ion:112 Resp: 13114
Ion Ratio Lower Upper
112 100
64 0.0 37.4 56.0#
63 0.0 22.2 33.4#





#5

Phenol-d6

Concen: 0.359 ng

RT: 6.71 min Scan# 482

Delta R.T. -0.02 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

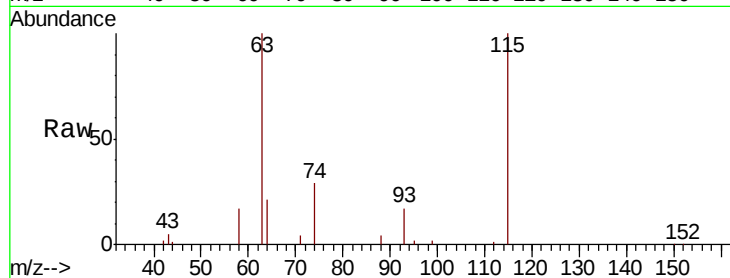
Tot Ion: 99 Resp: 2400

Ion Ratio Lower Upper

99 100

42 115.8 11.1 16.7#

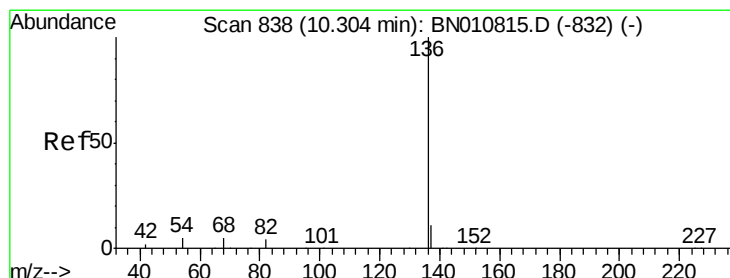
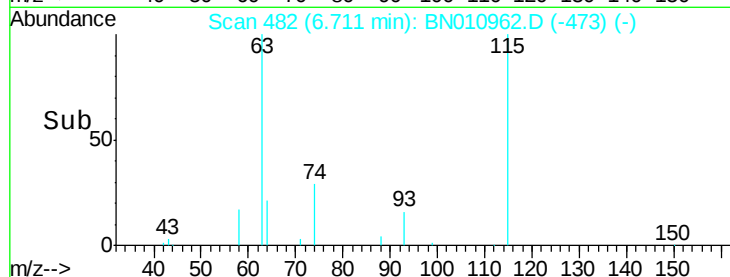
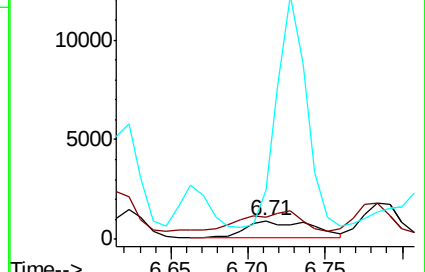
71 648.5 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010815.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010815.D (-479) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Tgt Ion: 136 Resp: 10377

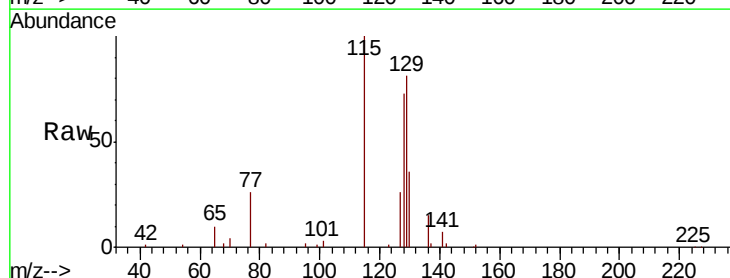
Ion Ratio Lower Upper

136 100

137 14.5 9.7 14.5

54 9.0 4.9 7.3#

68 11.4 4.7 7.1#

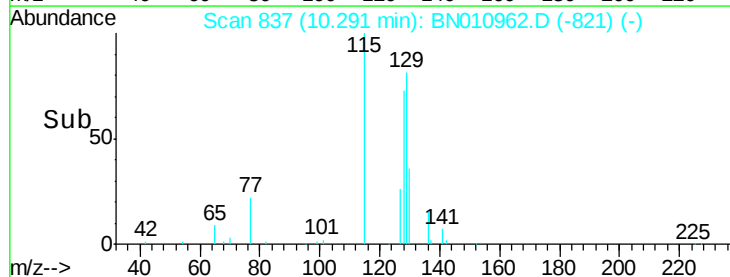
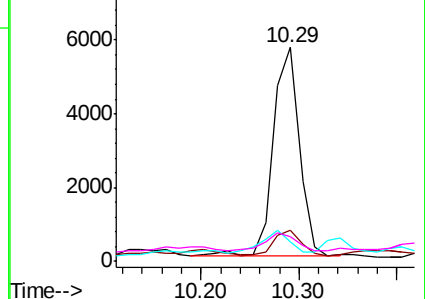


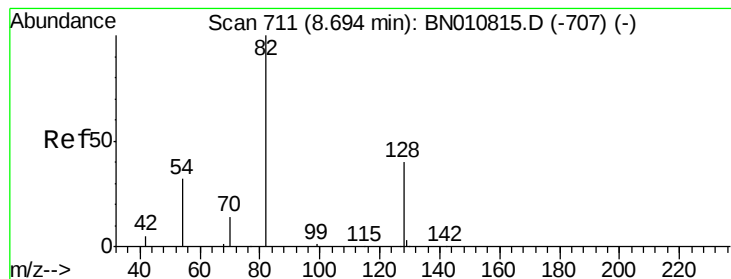
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010815.D (-832) (-)





#8

Nitrobenzene-d5

Concen: 0.699 ng

RT: 8.67 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

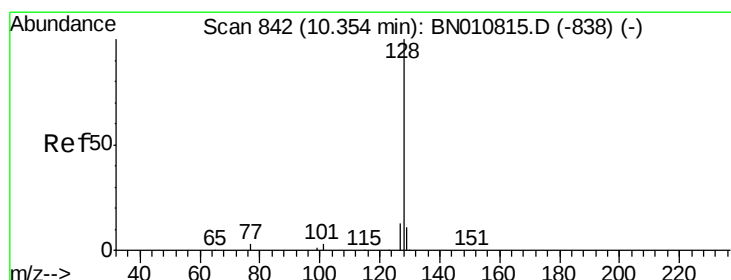
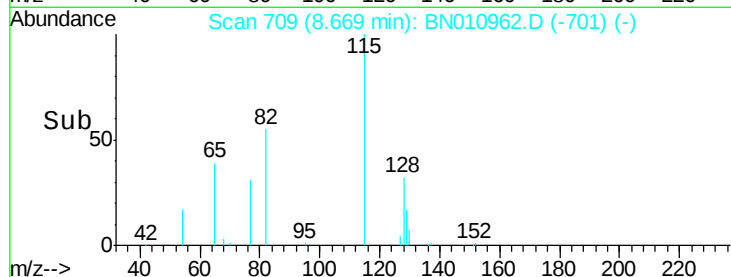
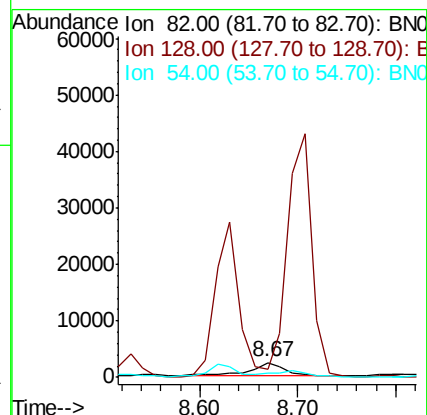
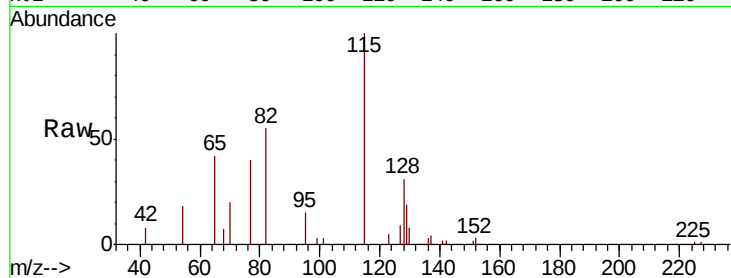
Tot Ion: 82 Resp: 5366

Ion Ratio Lower Upper

82 100

128 56.6 35.4 53.0#

54 33.4 28.2 42.4



#9

Naphthalene

Concen: 271.644 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

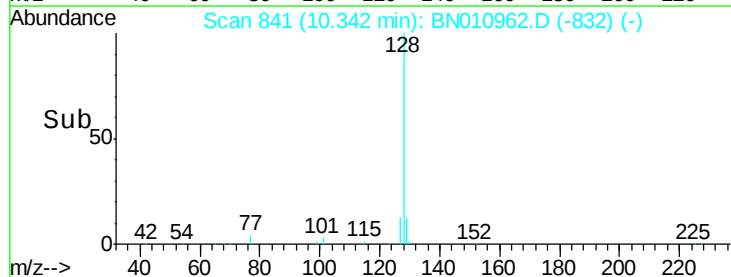
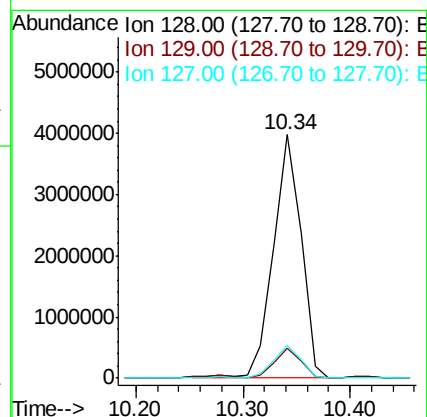
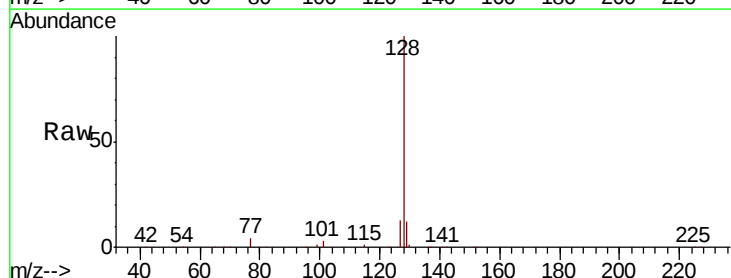
Tgt Ion: 128 Resp: 7084023

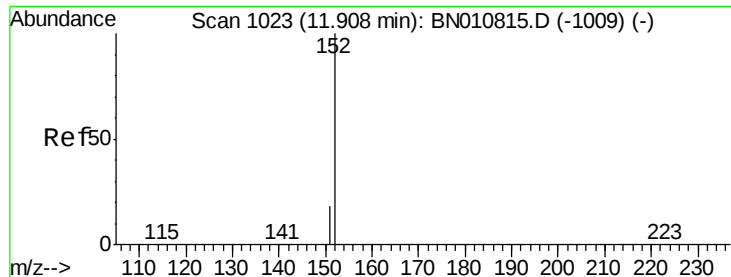
Ion Ratio Lower Upper

128 100

129 12.2 9.6 14.4

127 13.4 11.4 17.2

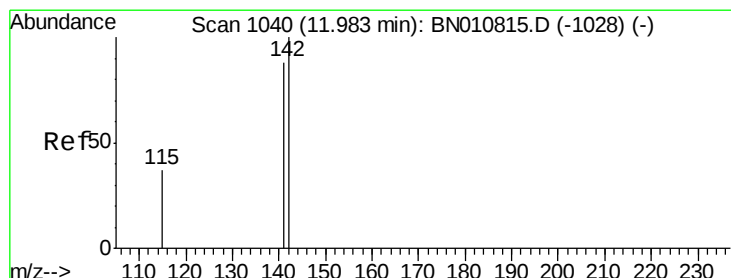
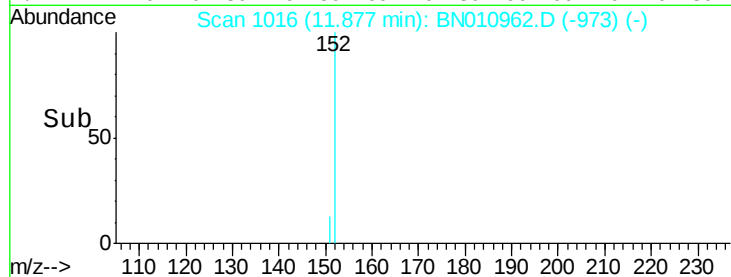
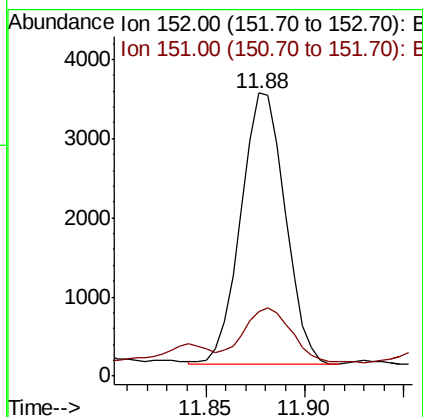
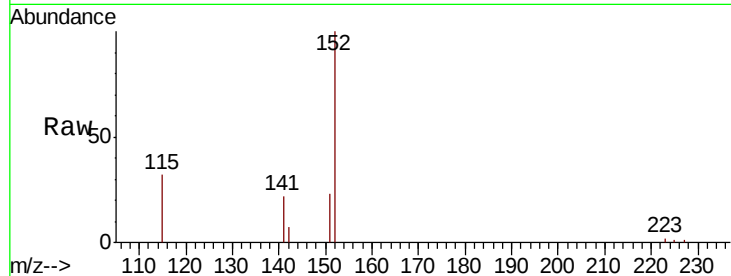




#11
 2-Methylnaphthalene-d10
 Concen: 0.331 ng
 RT: 11.88 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BN010962.D
 Acq: 18 Jun 2020 20:23

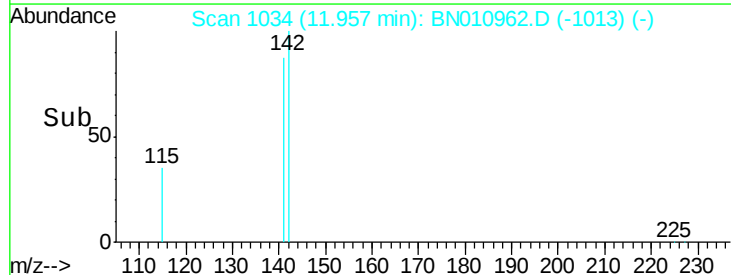
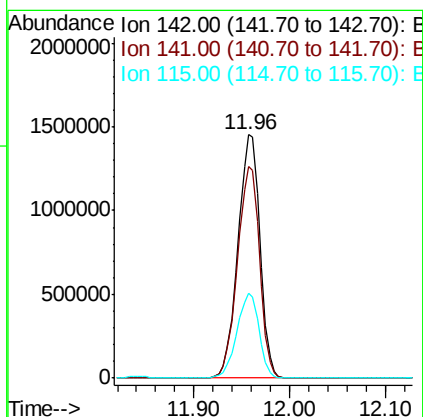
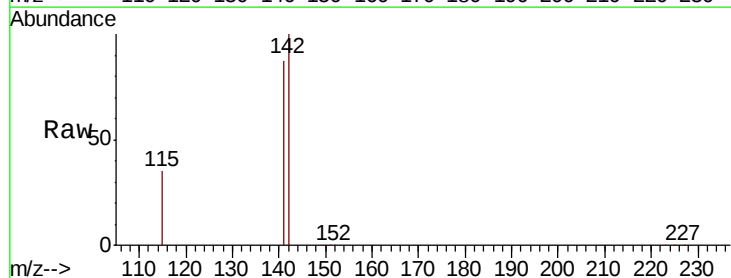
Instrument :
 BNA_N
 ClientSampleId :
 MW-27

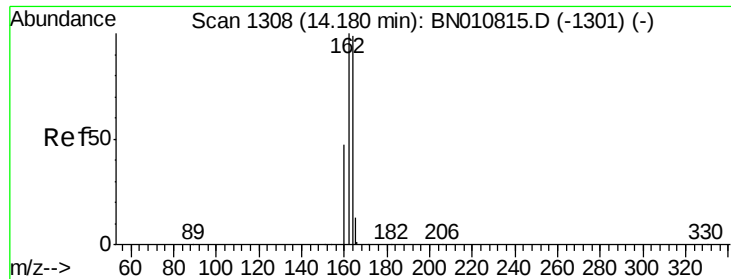
Tot Ion:152 Resp: 5333
 Ion Ratio Lower Upper
 152 100
 151 24.7 15.3 22.9#



#12
 2-Methylnaphthalene
 Concen: 131.944 ng
 RT: 11.96 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BN010962.D
 Acq: 18 Jun 2020 20:23

Tgt Ion:142 Resp: 2302765
 Ion Ratio Lower Upper
 142 100
 141 87.0 70.8 106.2
 115 34.7 31.5 47.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

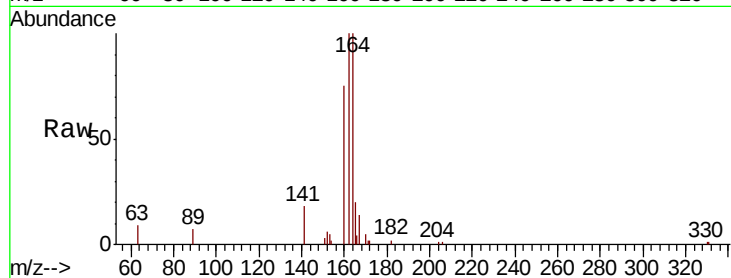
Tot Ion:164 Resp: 7164

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.6

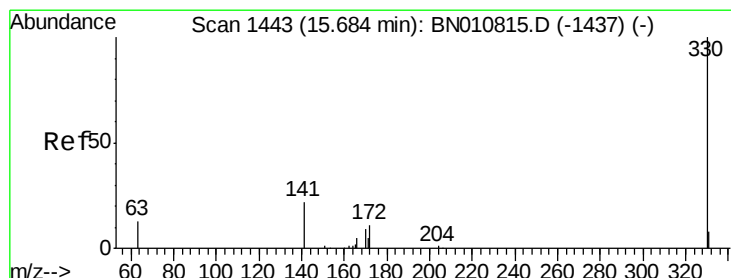
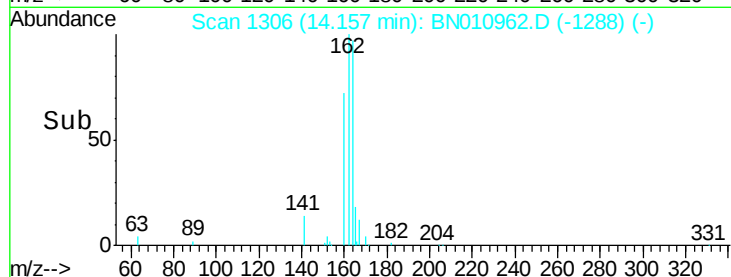
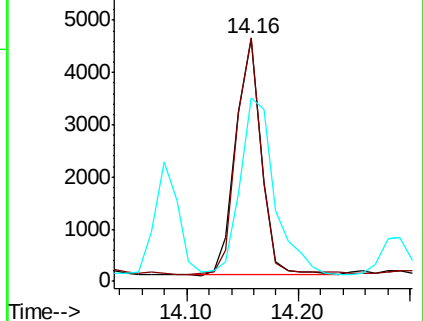
160 75.5 38.9 58.3#



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: 0.491 ng

RT: 15.66 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

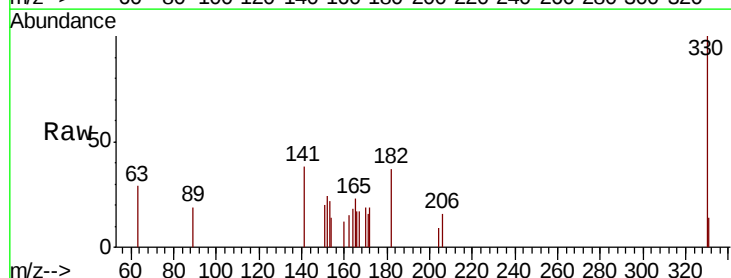
Tgt Ion:330 Resp: 1258

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

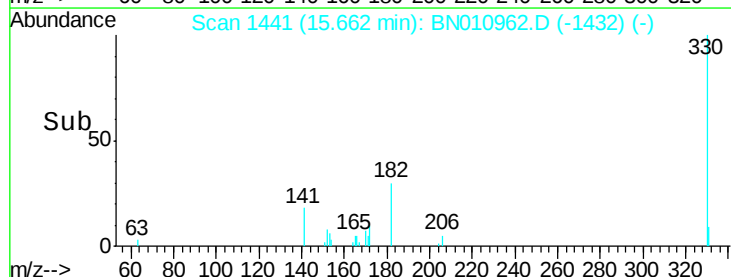
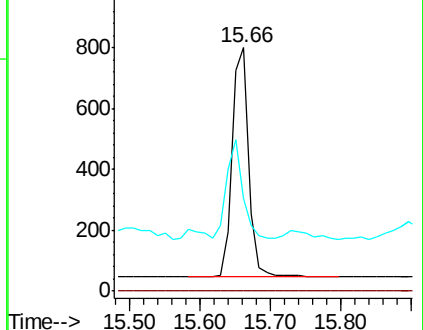
141 42.0 33.2 49.8

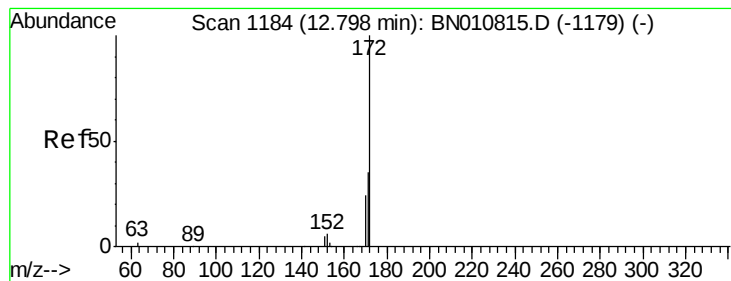


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.492 ng

RT: 12.78 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

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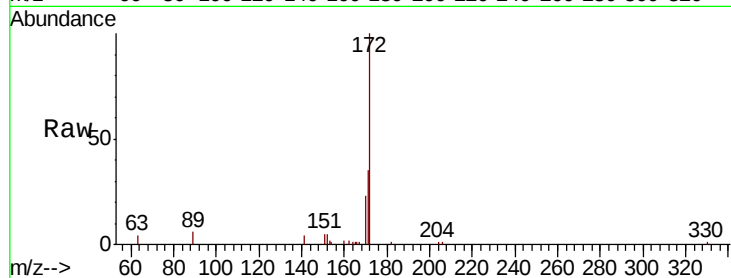
Tot Ion:172 Resp: 13899

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

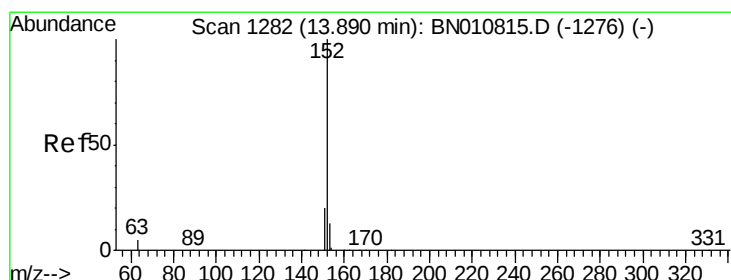
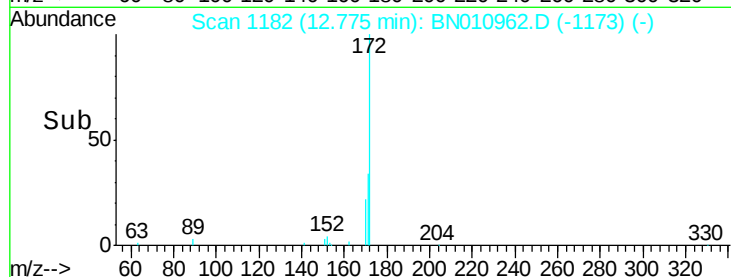
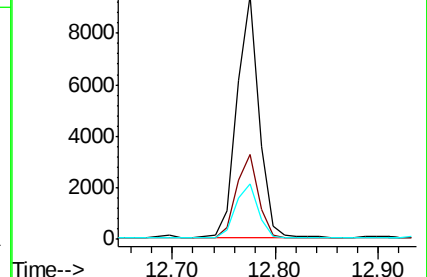
170 22.6 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.059 ng

RT: 13.88 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

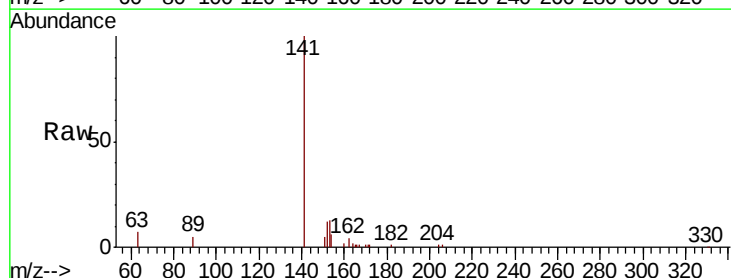
Tgt Ion:152 Resp: 1718

Ion Ratio Lower Upper

152 100

151 36.3 15.6 23.4#

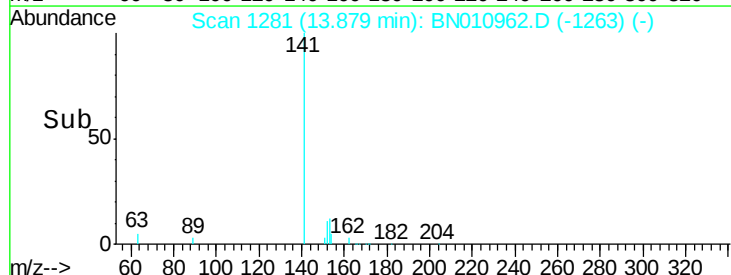
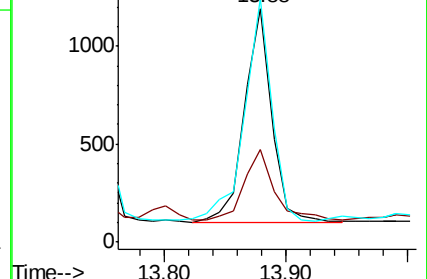
153 102.9 10.6 16.0#

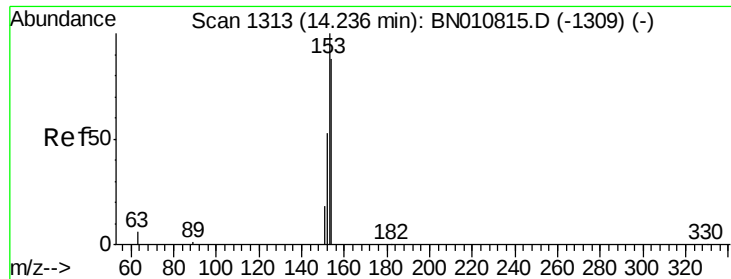


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.148 ng

RT: 14.21 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampled :

MW-27

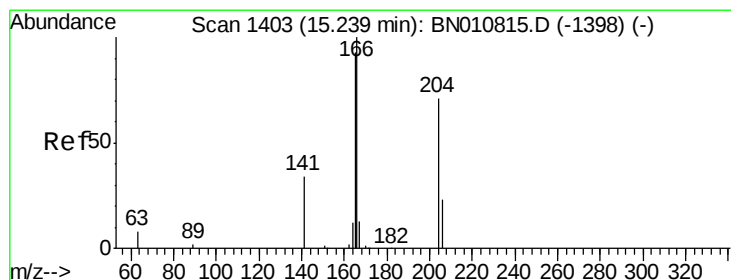
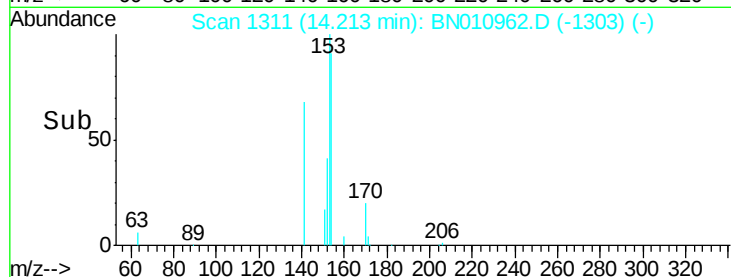
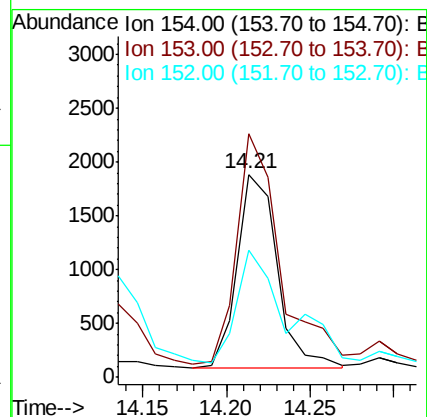
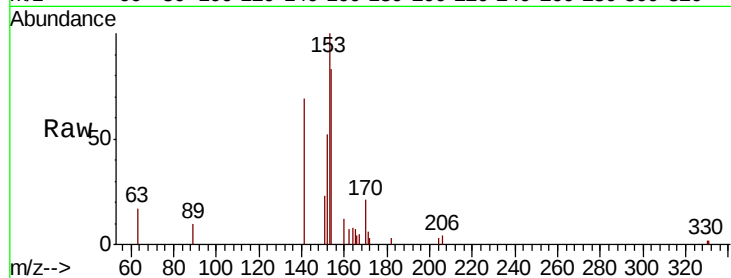
Tot Ion:154 Resp: 2967

Ion Ratio Lower Upper

154 100

153 131.1 91.8 137.6

152 73.0 47.6 71.4#



#18

Fluorene

Concen: 0.159 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

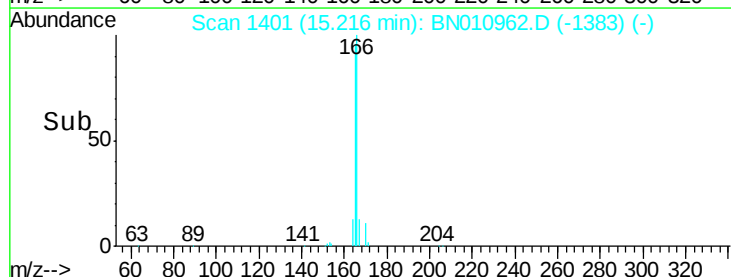
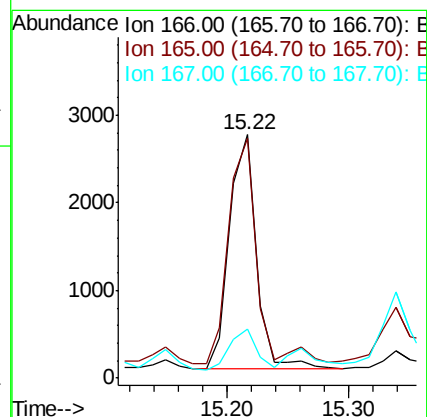
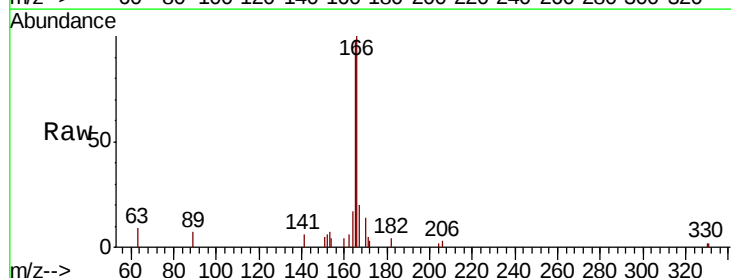
Tgt Ion:166 Resp: 4111

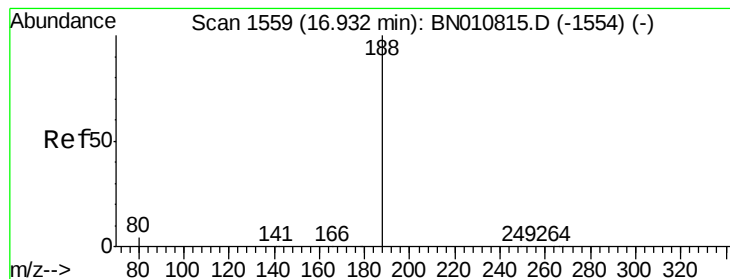
Ion Ratio Lower Upper

166 100

165 95.8 77.2 115.8

167 16.8 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

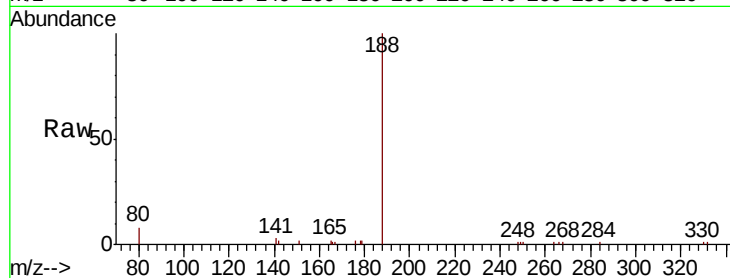
Tot Ion:188 Resp: 13116

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 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

12000

10000

8000

6000

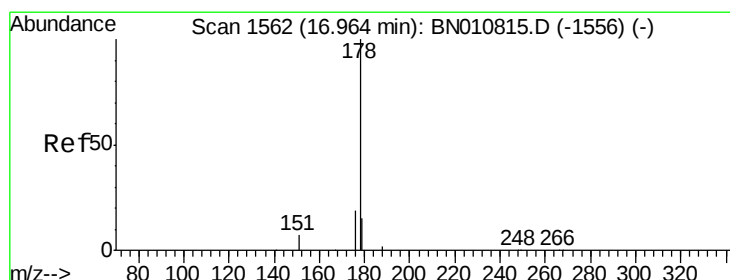
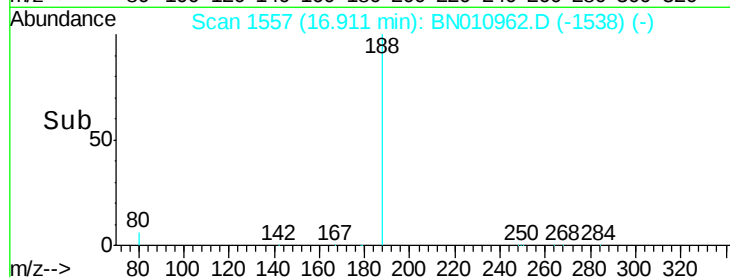
4000

2000

0

16.80 16.90 17.00

Time-->



#23

Phenanthrene

Concen: 0.236 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

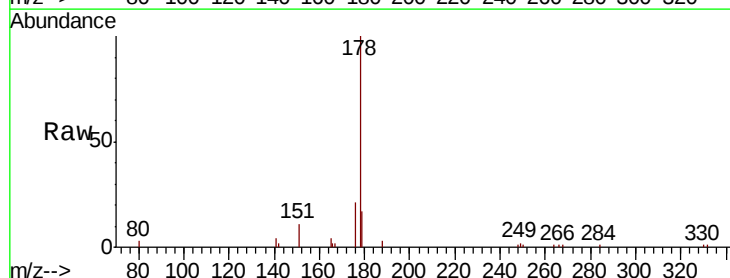
Tgt Ion:178 Resp: 8464

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

179 17.7 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

6000

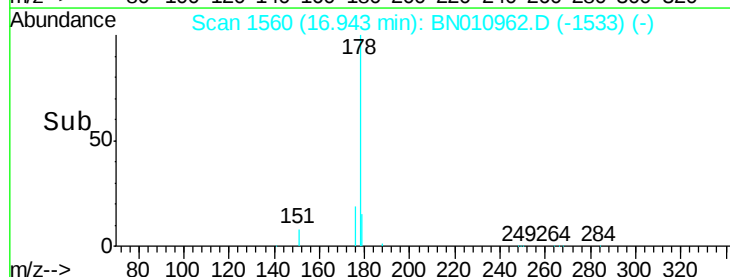
4000

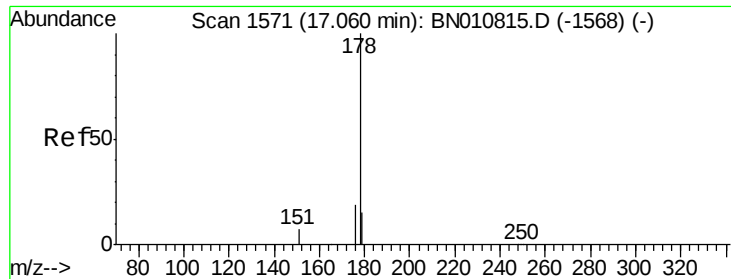
2000

0

16.80 16.90 17.00

Time-->





#24

Anthracene

Concen: 0.041 ng

RT: 17.04 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

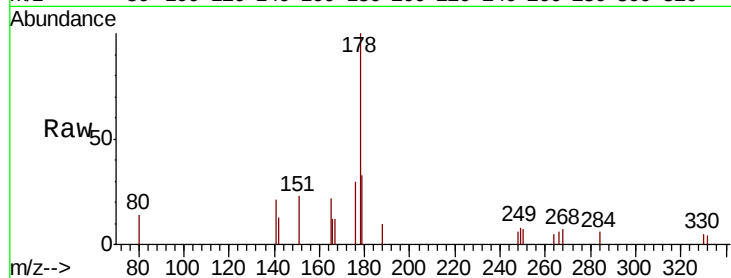
Tot Ion:178 Resp: 1215

Ion Ratio Lower Upper

178 100

176 20.3 14.6 22.0

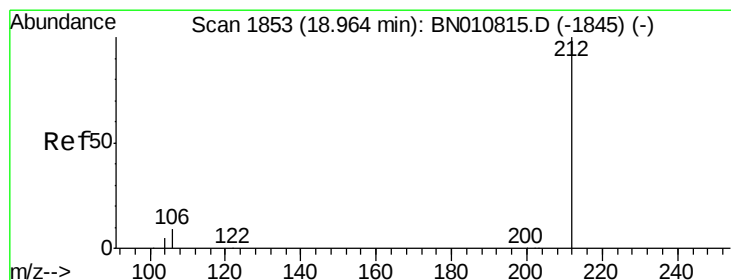
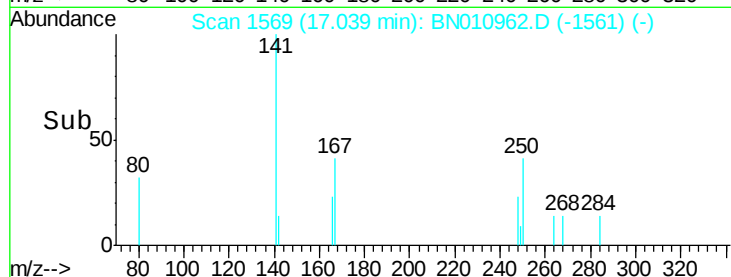
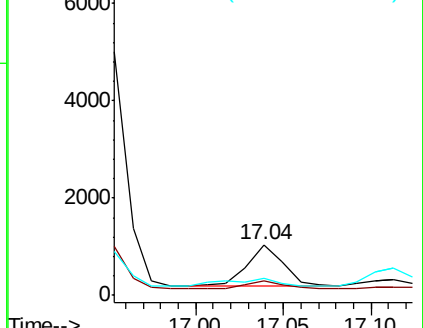
179 29.4 12.3 18.5#



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: 0.382 ng

RT: 18.95 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

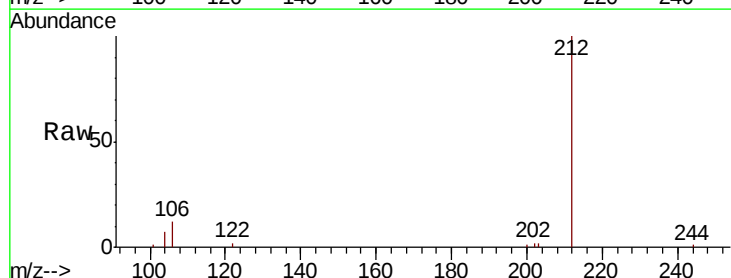
Tgt Ion:212 Resp: 13817

Ion Ratio Lower Upper

212 100

106 10.8 6.6 10.0#

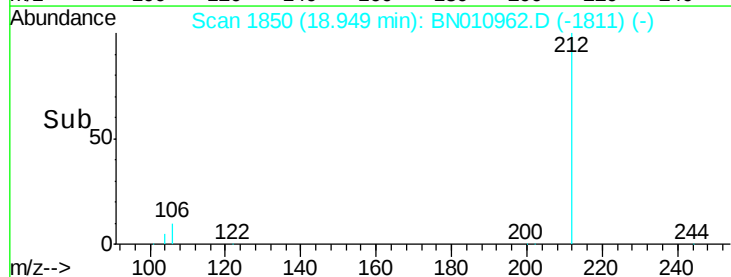
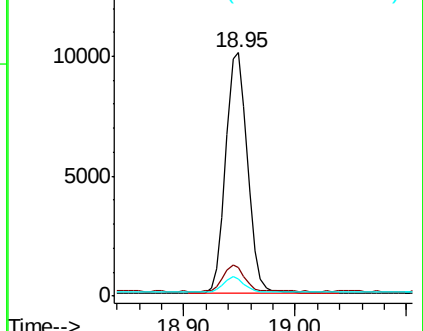
104 6.4 4.0 6.0#

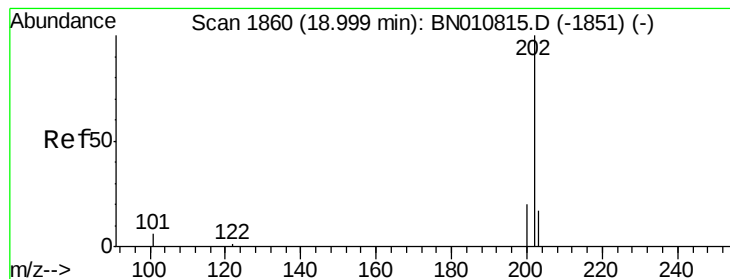


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.106 ng

RT: 18.98 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

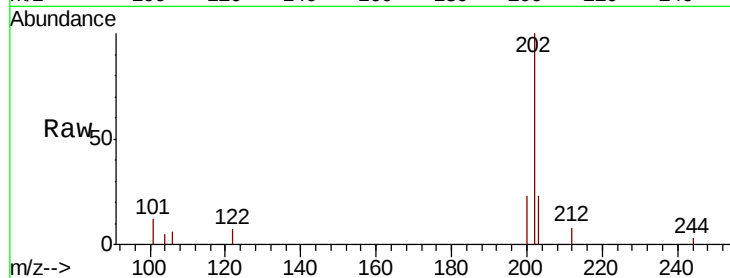
Tot Ion:202 Resp: 4304

Ion Ratio Lower Upper

202 100

101 10.4 5.8 8.6#

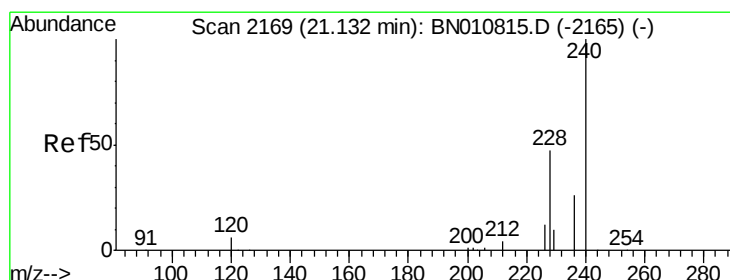
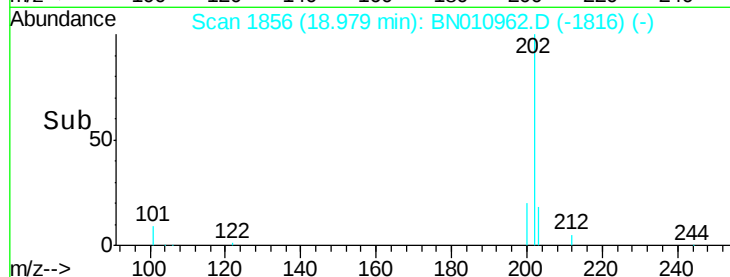
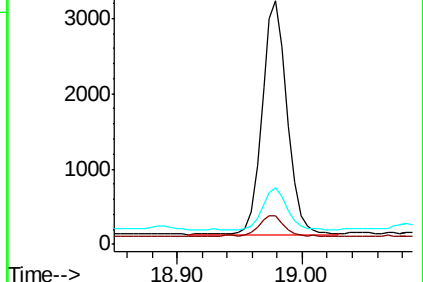
203 18.2 13.7 20.5



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: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

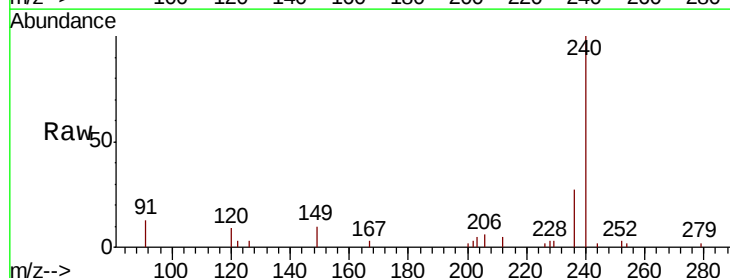
Tgt Ion:240 Resp: 11398

Ion Ratio Lower Upper

240 100

120 8.5 7.5 11.3

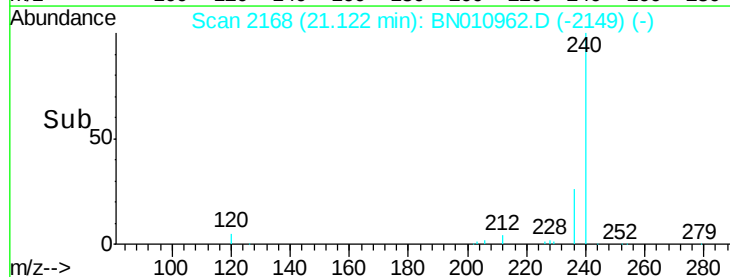
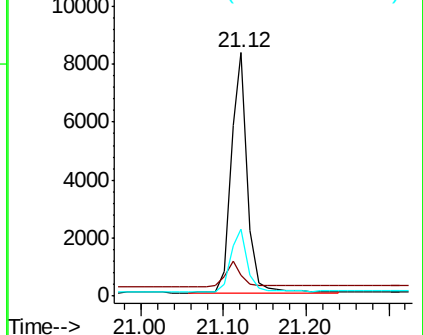
236 27.5 22.3 33.5

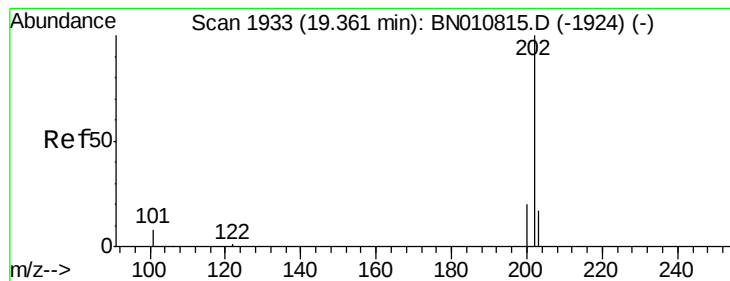


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.093 ng

RT: 19.34 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

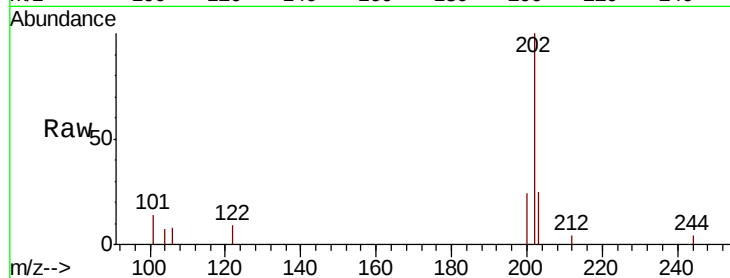
Tot Ion:202 Resp: 3491

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

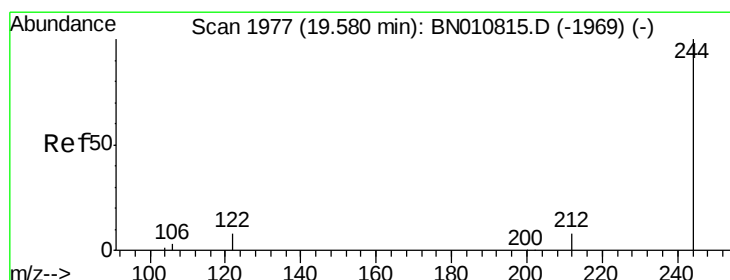
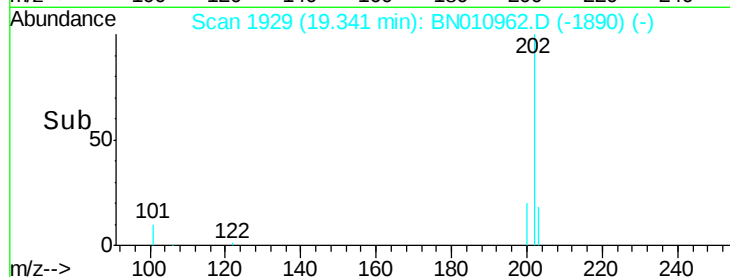
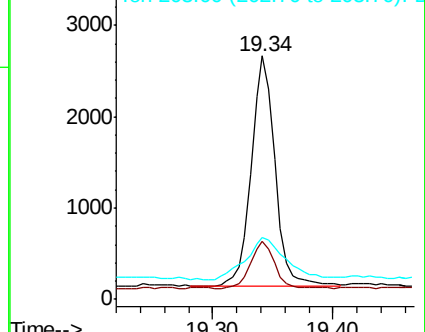
203 30.9 14.2 21.4#



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: 0.623 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

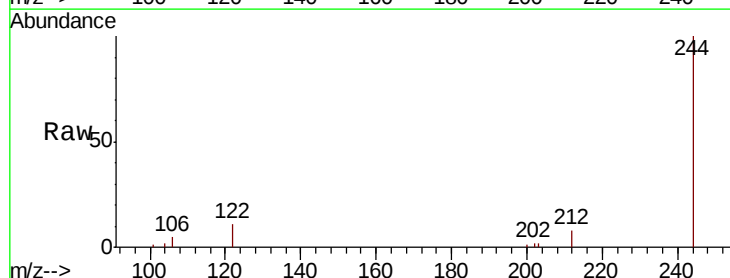
Tgt Ion:244 Resp: 16627

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

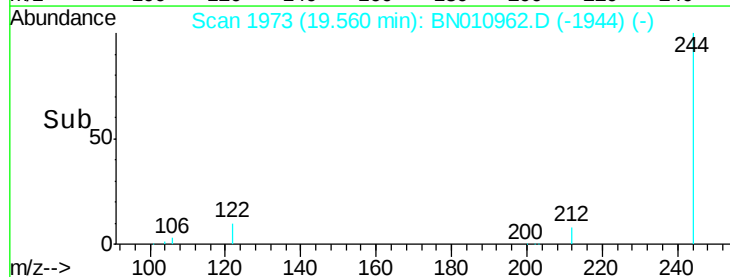
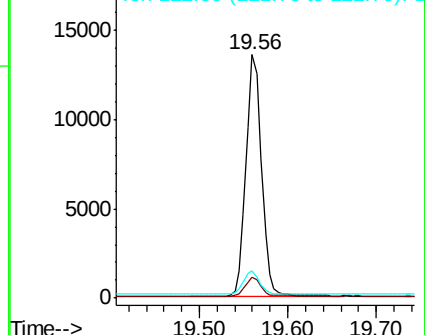
122 11.3 7.5 11.3#

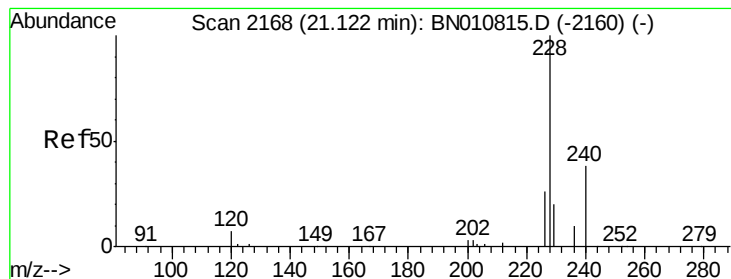


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

Instrument :

BNA_N

ClientSampleId :

MW-27

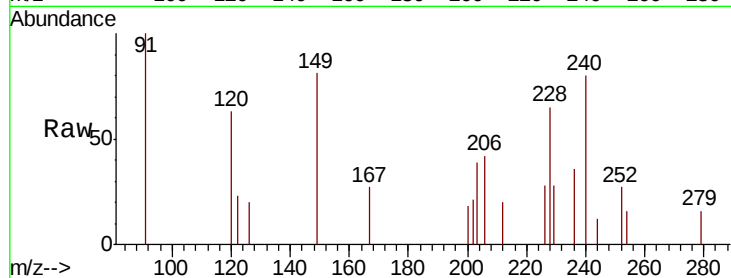
Tot Ion:228 Resp: 818

Ion Ratio Lower Upper

228 100

226 43.9 21.3 31.9#

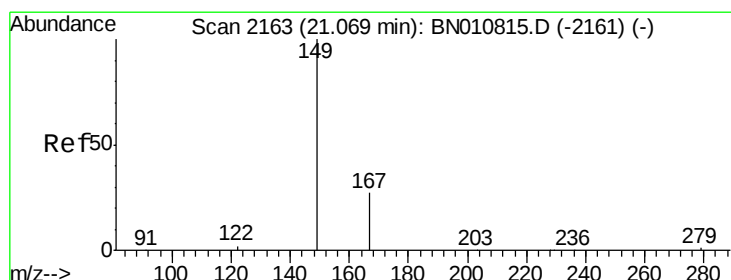
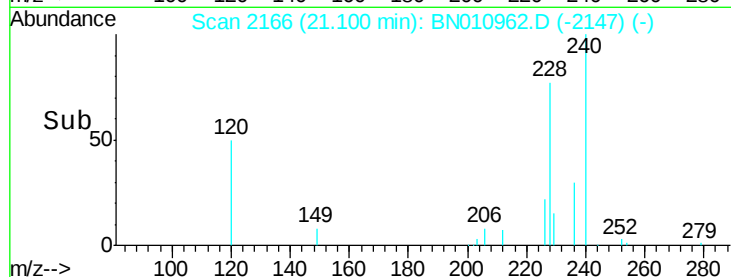
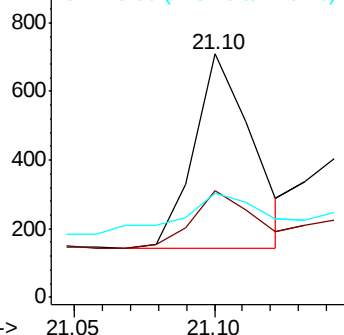
229 42.7 16.6 24.8#



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: 0.190 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN010962.D

Acq: 18 Jun 2020 20:23

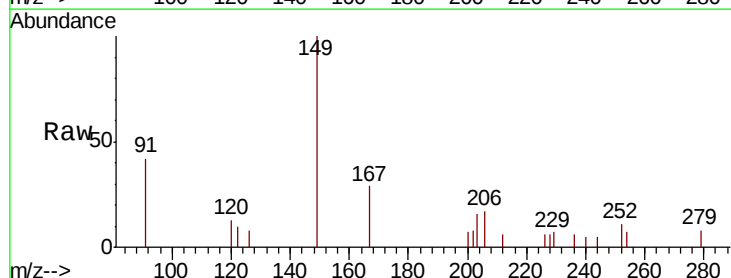
Tgt Ion:149 Resp: 2120

Ion Ratio Lower Upper

149 100

167 28.9 24.1 36.1

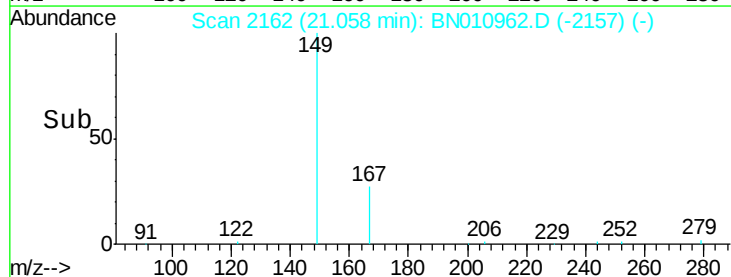
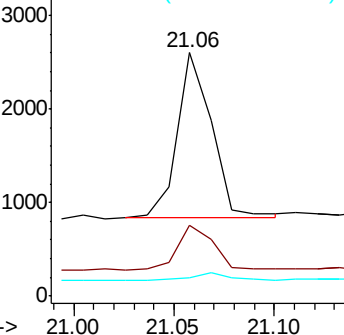
279 4.5 4.6 7.0#

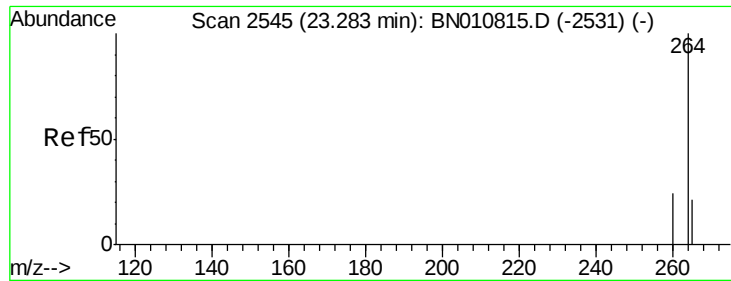


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

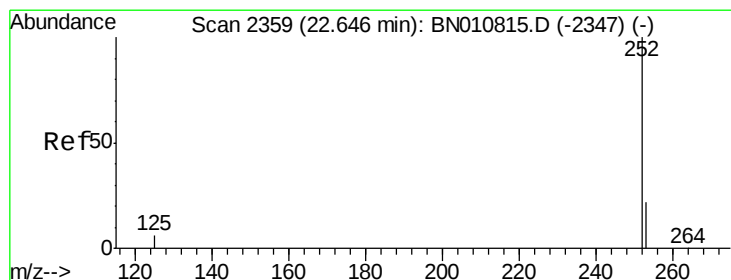
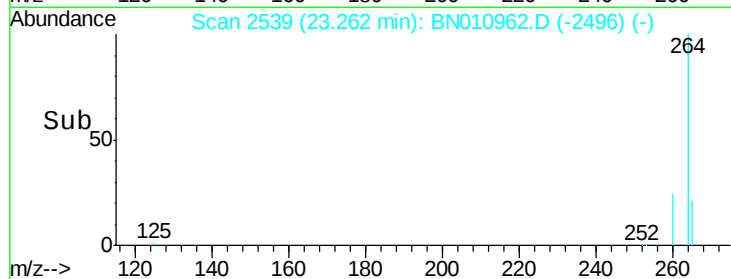
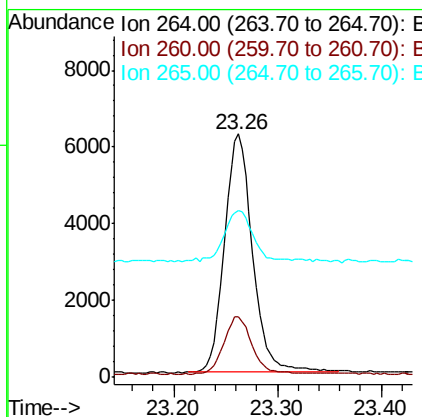
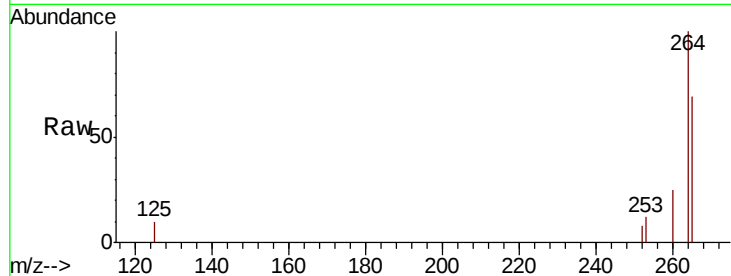




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.26 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BN010962.D
 Acq: 18 Jun 2020 20:23

Instrument :
 BNA_N
 ClientSampleId :
 MW-27

Tot Ion:264 Resp: 11723
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.4 30.6
 265 68.6 75.0 112.4#



#35
 Benzo(b)fluoranthene
 Concen: 0.021 ng
 RT: 22.64 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: BN010962.D
 Acq: 18 Jun 2020 20:23

Tgt Ion:252 Resp: 849
 Ion Ratio Lower Upper
 252 100
 253 100.8 22.4 33.6#
 125 70.5 9.4 14.0#

