

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
 Data File : BN010949.D
 Acq On : 17 Jun 2020 20:11
 Operator : CG/JU
 Sample : L3020-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-22

Quant Time: Jun 18 00:31:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 13:14:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2287	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8034	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4347	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	8846	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8497	0.40	ng	0.00
34) Perylene-d12	23.27	264	8812	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	676	0.15	ng	0.00
5) Phenol-d6	6.74	99	515	0.10	ng	0.00
8) Nitrobenzene-d5	8.68	82	2264	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5517	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	564	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.78	172	7087	0.41	ng	-0.01
25) Fluoranthene-d10	18.95	212	14193	0.58	ng	0.00
29) Terphenyl-d14	19.56	244	10954	0.55	ng	0.00

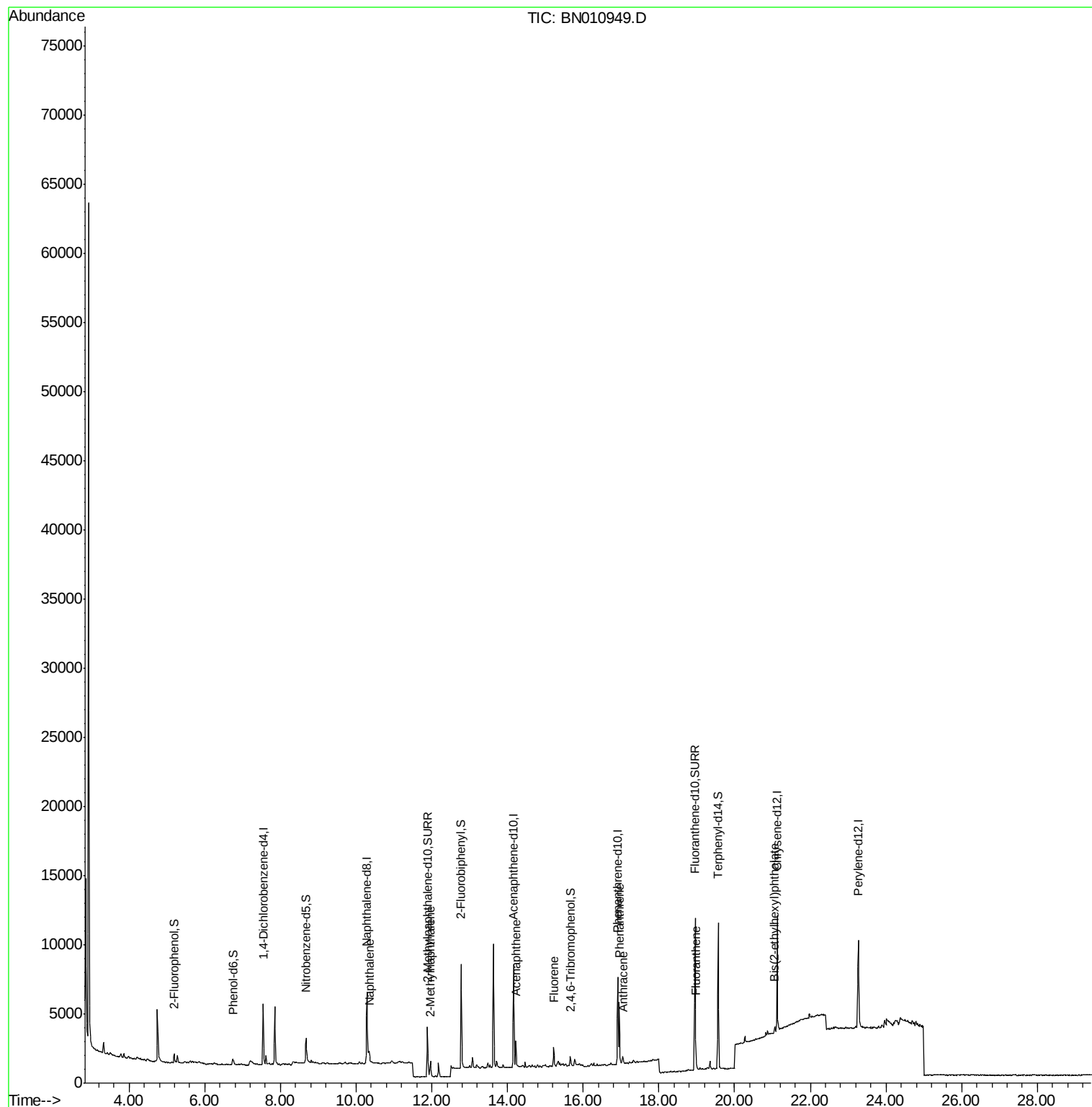
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.34	128	1171	0.058	ng	# 86
12) 2-Methylnaphthalene	11.96	142	892	0.066	ng	96
17) Acenaphthene	14.22	154	949	0.078	ng	98
18) Fluorene	15.22	166	904	0.058	ng	94
23) Phenanthrene	16.95	178	4825	0.200	ng	99
24) Anthracene	17.05	178	690	0.034	ng	98
26) Fluoranthene	18.98	202	606	0.022	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.06	149	513	0.062	ng	# 86

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

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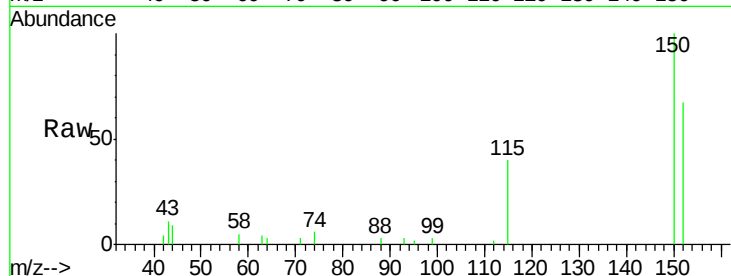


#1

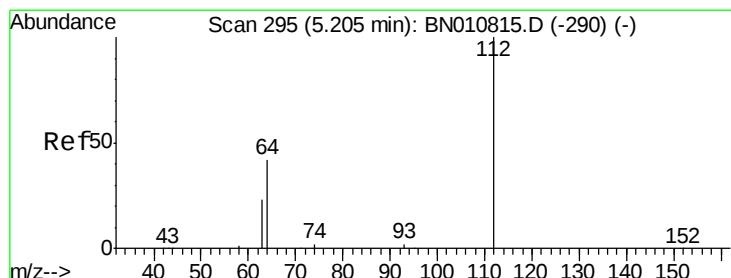
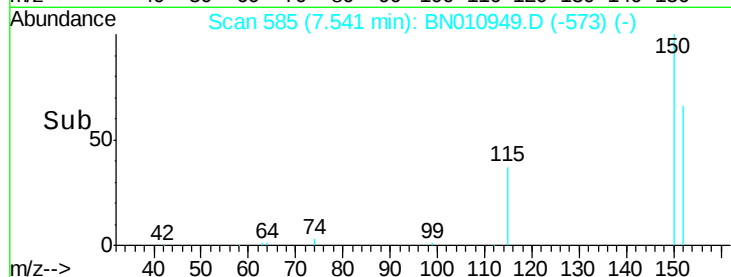
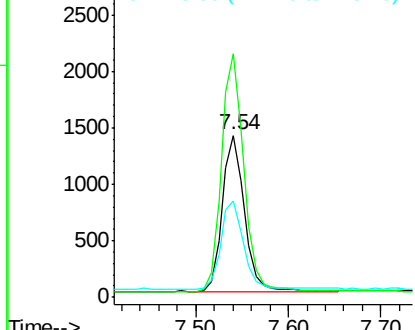
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.00 min
Lab File: BN010949.D
Acq: 17 Jun 2020 20:11

Instrument :
BNA_N
ClientSampleId :
MW-22

Tot Ion:152 Resp: 2287
Ion Ratio Lower Upper
152 100
150 150.1 123.8 185.6
115 59.8 49.2 73.8



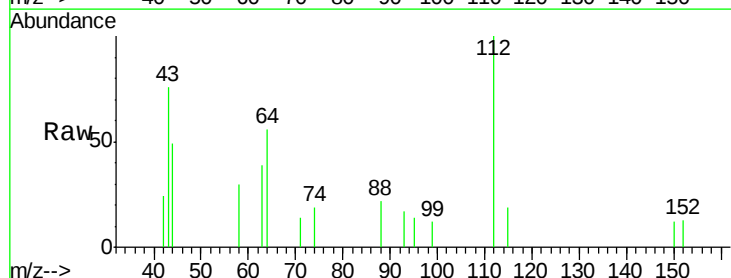
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



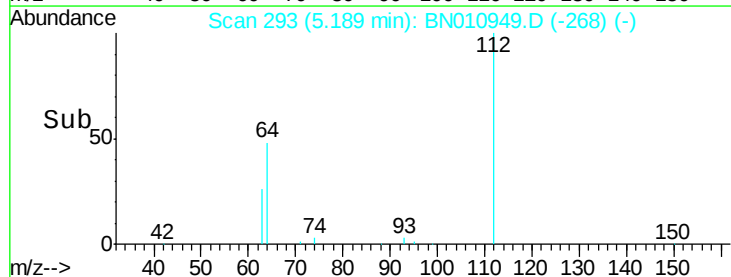
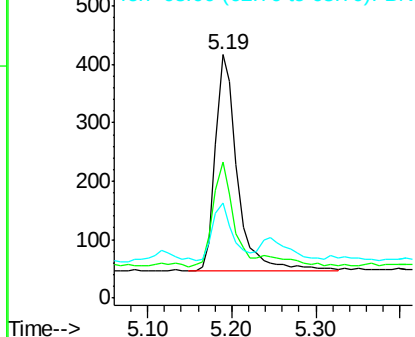
#4

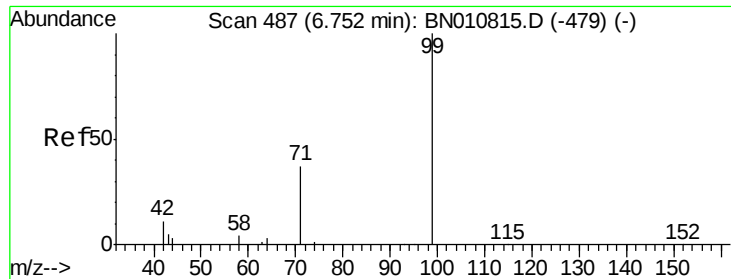
2-Fluorophenol
Concen: 0.153 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.00 min
Lab File: BN010949.D
Acq: 17 Jun 2020 20:11

Tgt Ion:112 Resp: 676
Ion Ratio Lower Upper
112 100
64 43.8 37.4 56.0
63 24.0 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.099 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

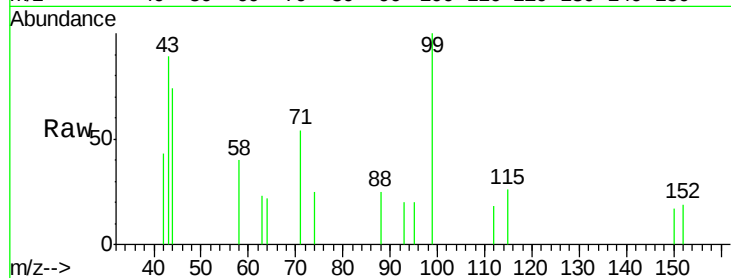
Tot Ion: 99 Resp: 515

Ion Ratio Lower Upper

99 100

42 20.0 11.1 16.7#

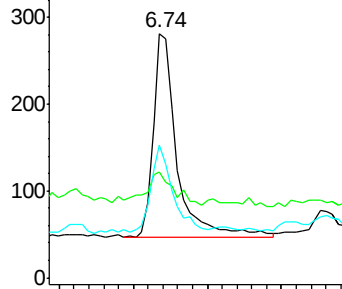
71 39.0 31.4 47.2



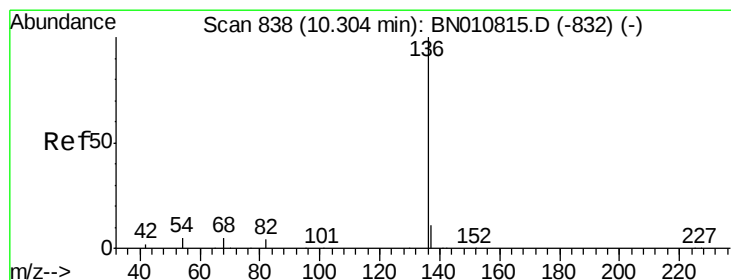
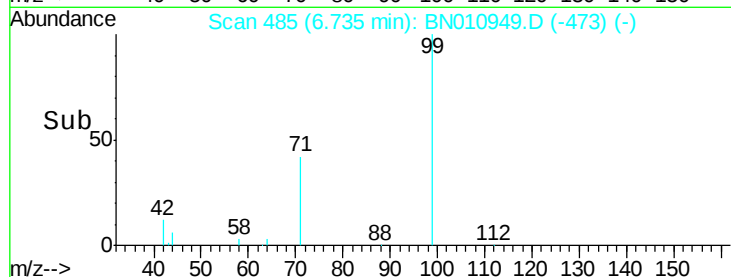
Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

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

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



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Tgt Ion: 136 Resp: 8034

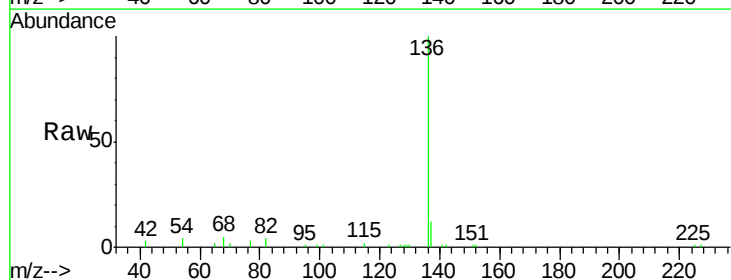
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 4.5 4.9 7.3#

68 5.0 4.7 7.1

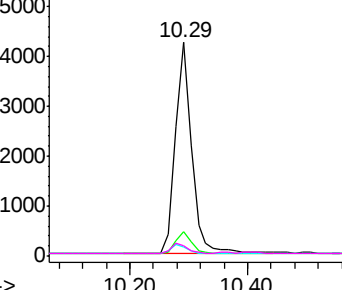


Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

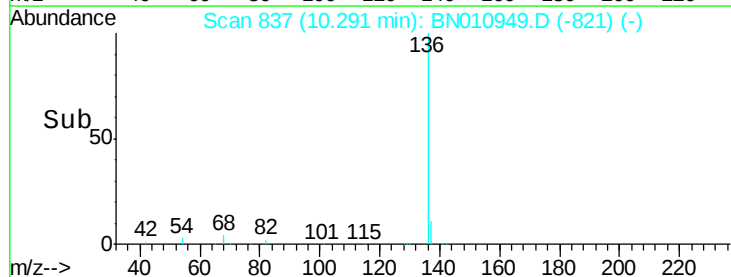
Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

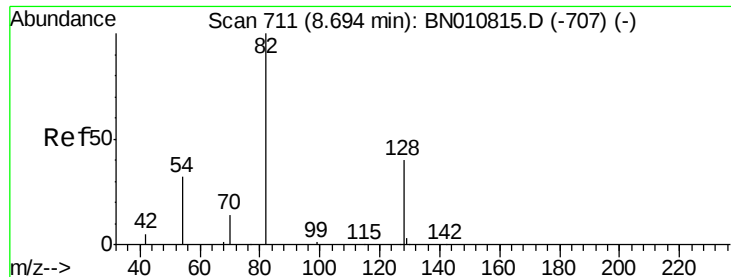
Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

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



Time-->





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

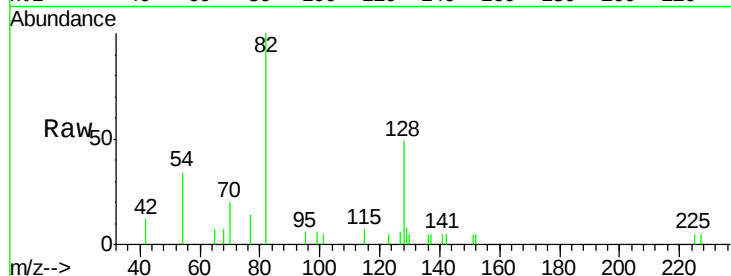
Tot Ion: 82 Resp: 2264

Ion Ratio Lower Upper

82 100

128 48.7 35.4 53.0

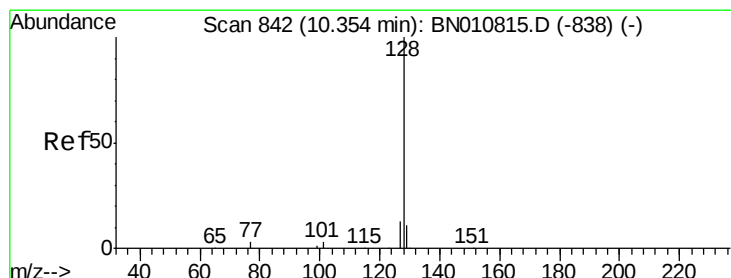
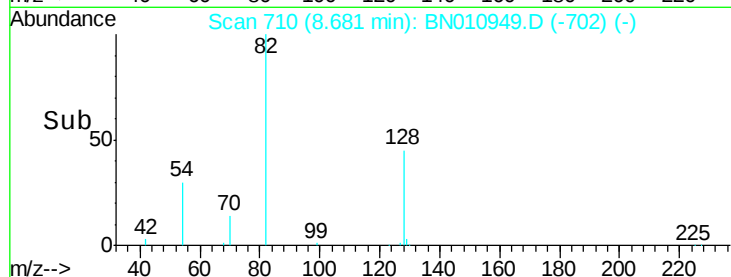
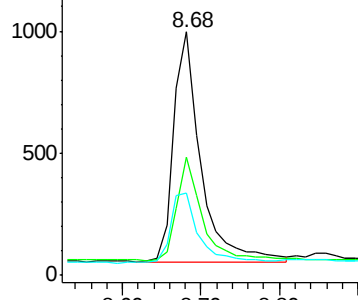
54 33.9 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010815.D (-707) (-)

Ion 128.00 (127.70 to 128.70): BN010815.D (-707) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-707) (-)



#9

Naphthalene

Concen: 0.058 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

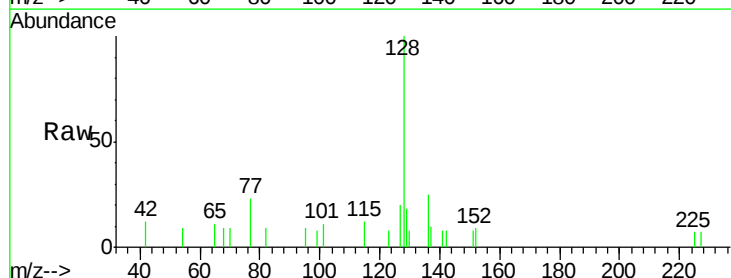
Tgt Ion: 128 Resp: 1171

Ion Ratio Lower Upper

128 100

129 17.8 9.6 14.4#

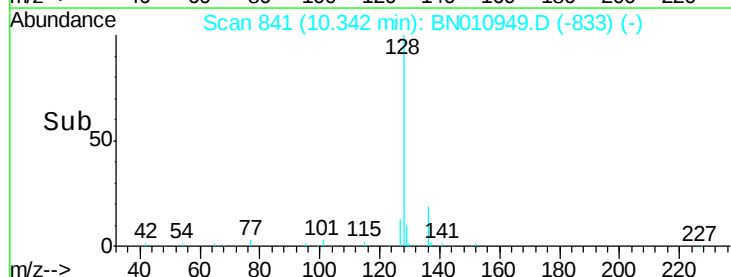
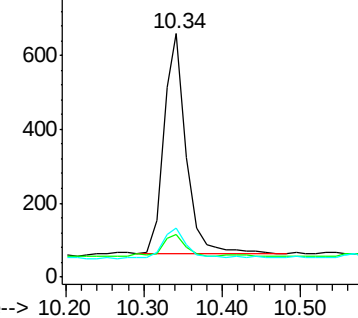
127 19.9 11.4 17.2#

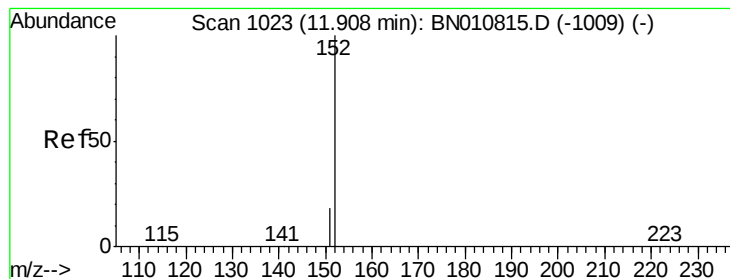


Abundance Ion 128.00 (127.70 to 128.70): BN010815.D (-838) (-)

Ion 129.00 (128.70 to 129.70): BN010815.D (-838) (-)

Ion 127.00 (126.70 to 127.70): BN010815.D (-838) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.443 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

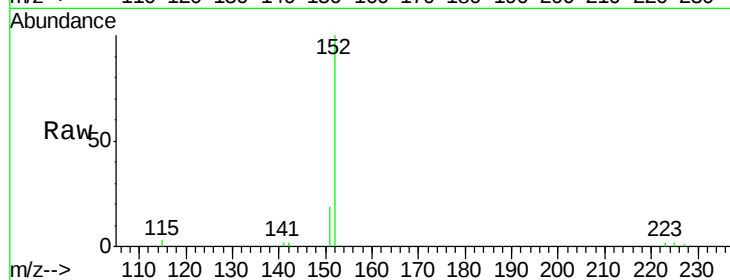
MW-22

Tot Ion:152 Resp: 5517

Ion Ratio Lower Upper

152 100

151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.89

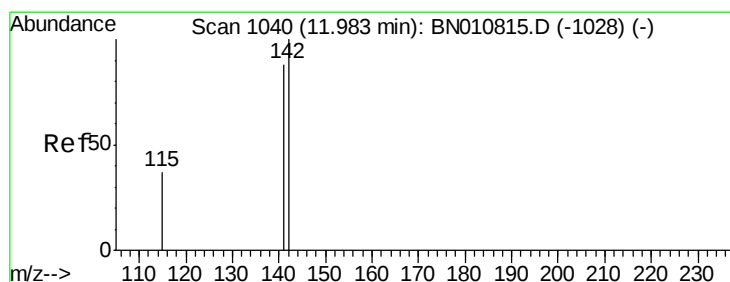
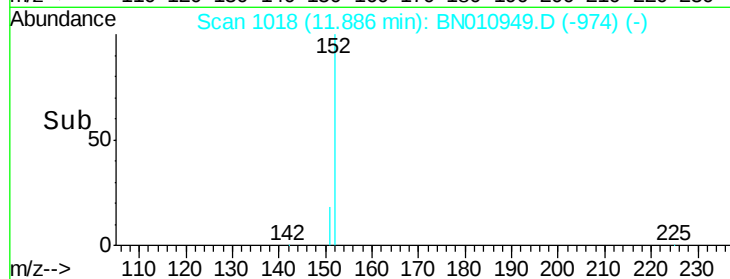
3000

2000

1000

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.066 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

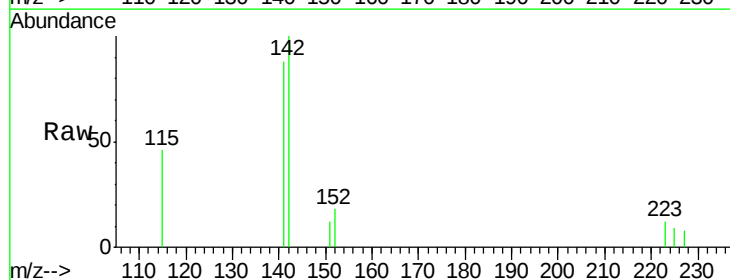
Tgt Ion:142 Resp: 892

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2

115 46.5 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

11.96

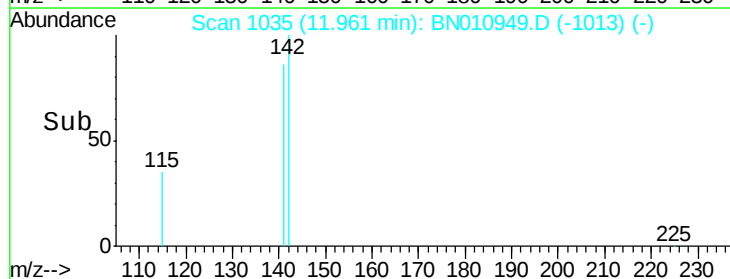
600

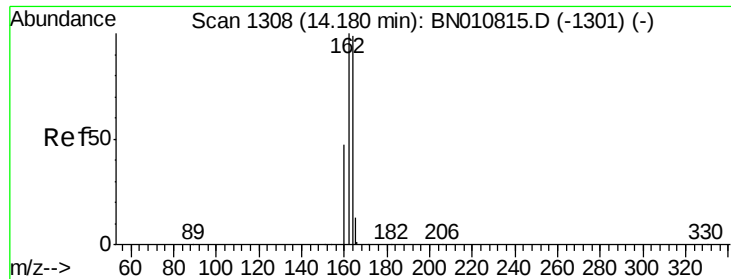
400

200

0

Time--> 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

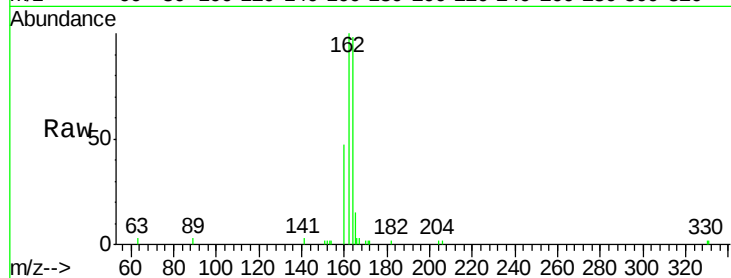
Tot Ion:164 Resp: 4347

Ion Ratio Lower Upper

164 100

162 102.4 81.0 121.6

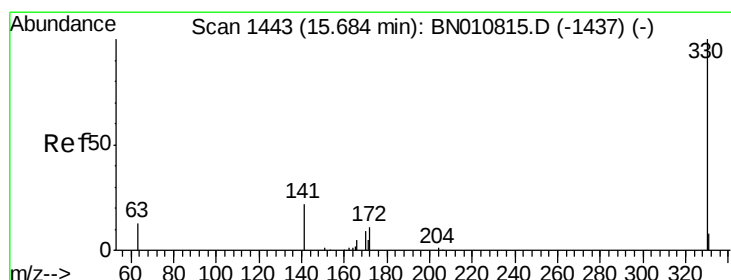
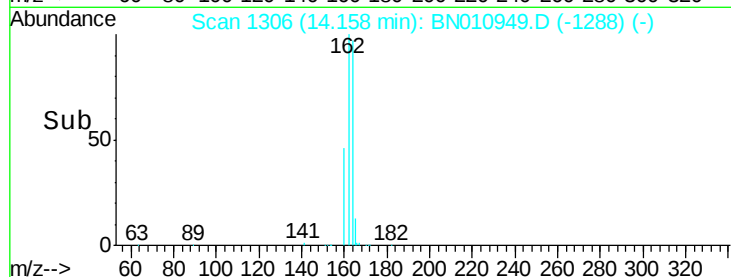
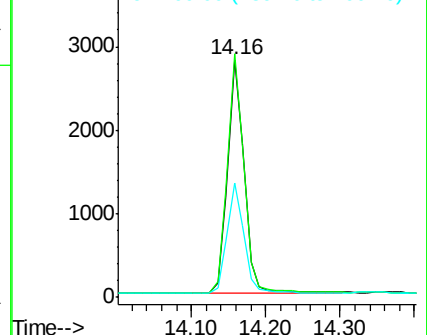
160 48.2 38.9 58.3



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: 0.363 ng

RT: 15.66 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

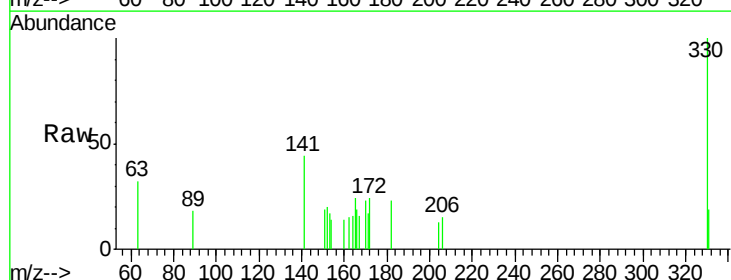
Tgt Ion:330 Resp: 564

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

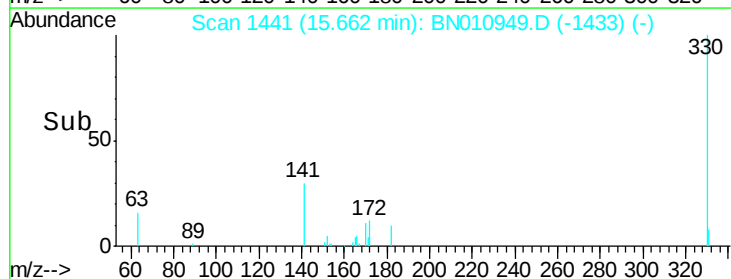
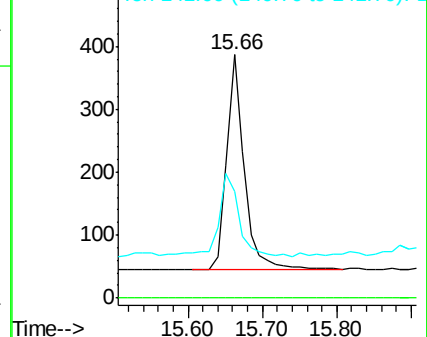
141 40.4 33.2 49.8

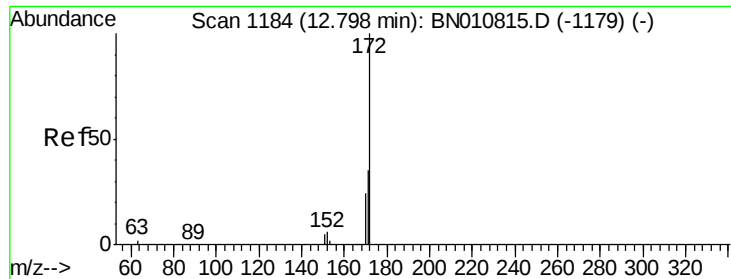


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

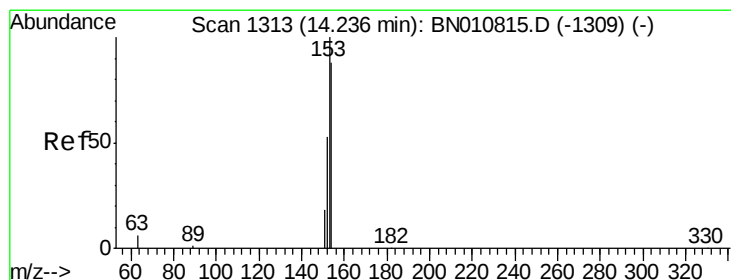
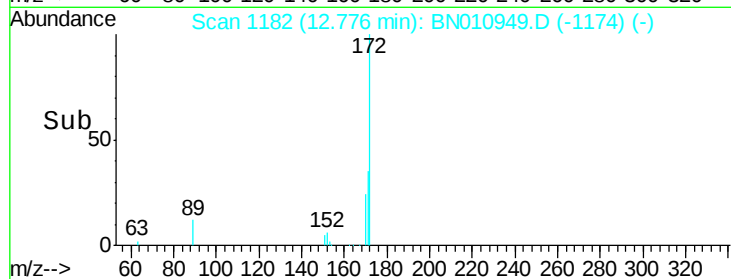
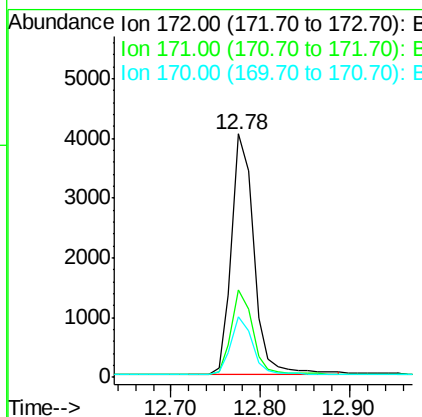
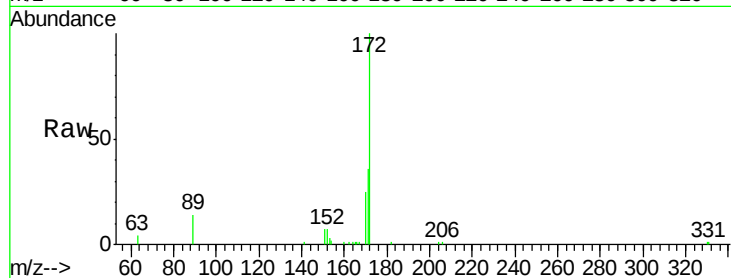




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BN010949.D
Acq: 17 Jun 2020 20:11

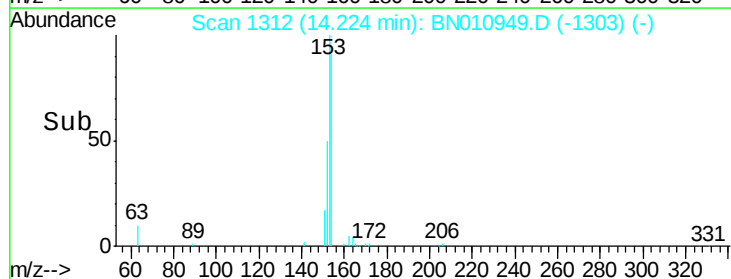
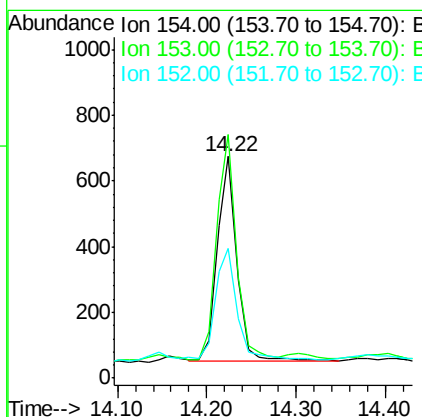
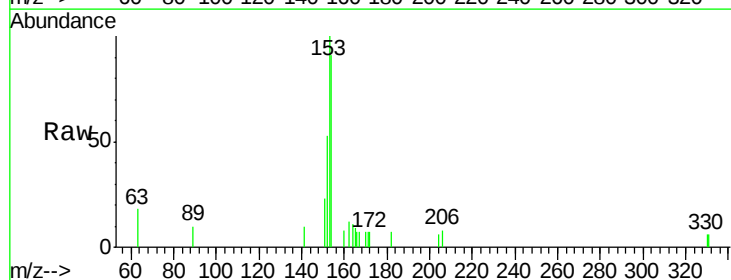
Instrument :
BNA_N
ClientSampled :
MW-22

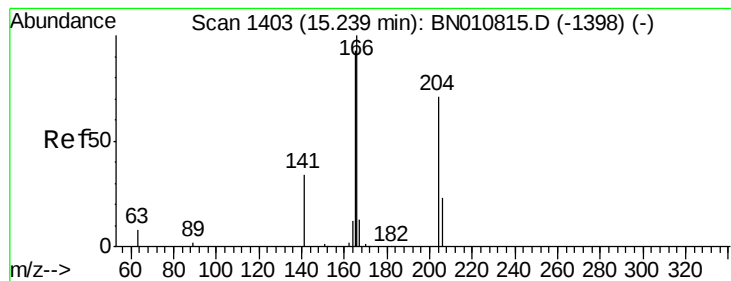
Tot Ion:172 Resp: 7087
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.7 19.7 29.5



#17
Acenaphthene
Concen: 0.078 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BN010949.D
Acq: 17 Jun 2020 20:11

Tgt Ion:154 Resp: 949
Ion Ratio Lower Upper
154 100
153 112.1 91.8 137.6
152 60.2 47.6 71.4





#18

Fluorene

Concen: 0.058 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

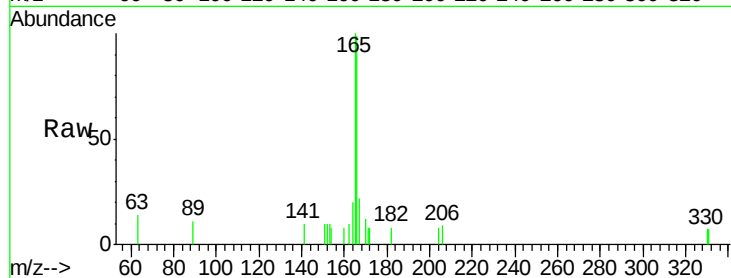
Tot Ion:166 Resp: 904

Ion Ratio Lower Upper

166 100

165 103.3 77.2 115.8

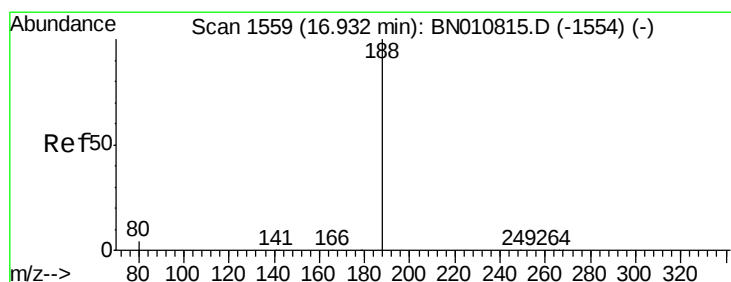
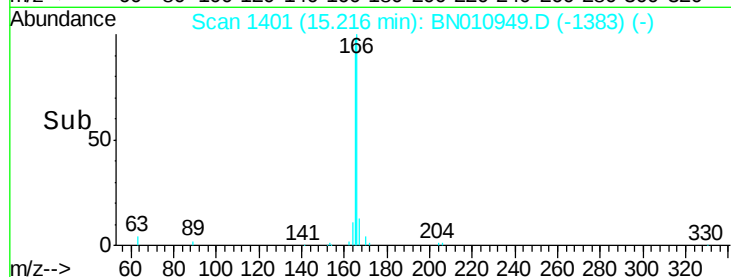
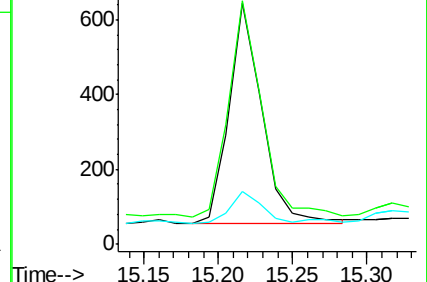
167 13.9 10.7 16.1



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: 16.91 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

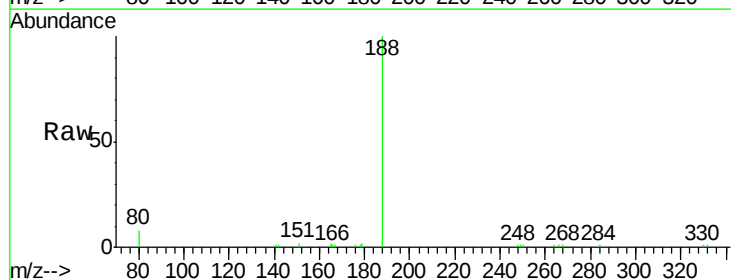
Tgt Ion:188 Resp: 8846

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

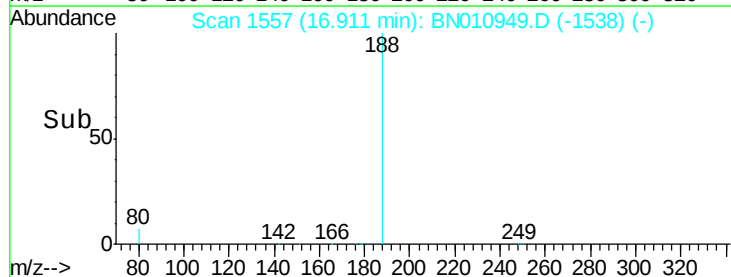
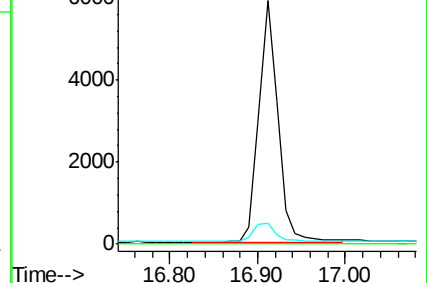
80 8.5 4.5 6.7#

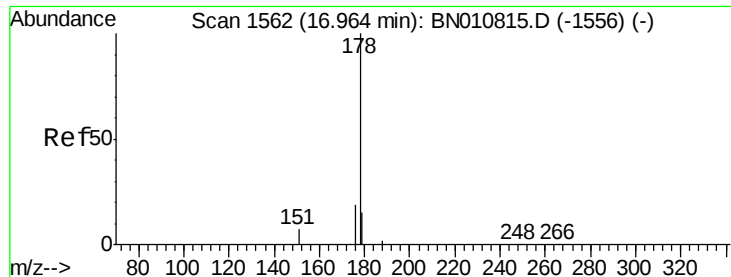


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.200 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

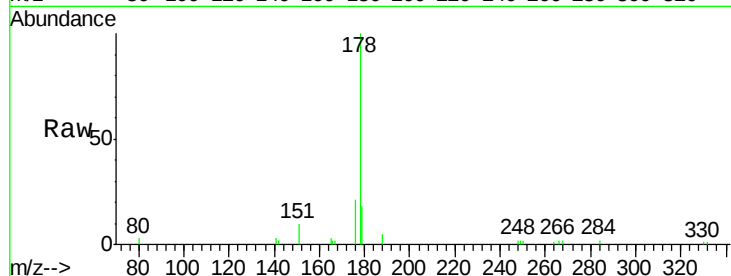
Tot Ion:178 Resp: 4825

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

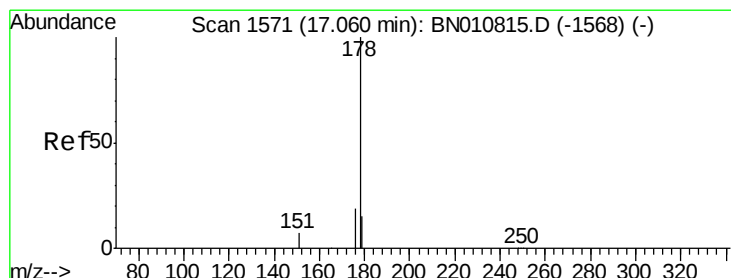
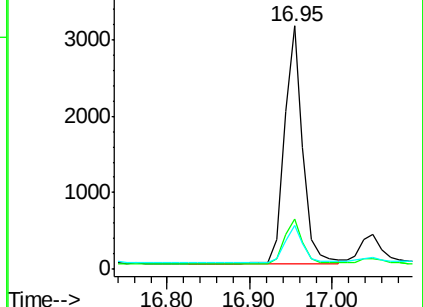
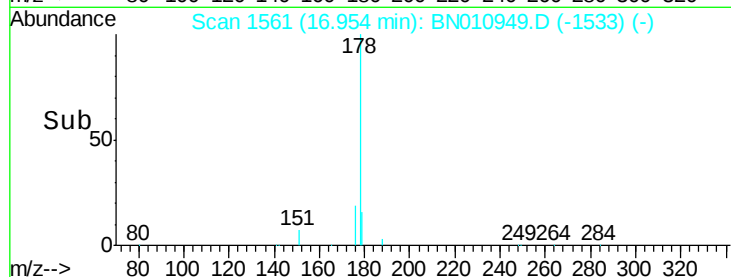
179 16.3 12.6 19.0



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: 0.034 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

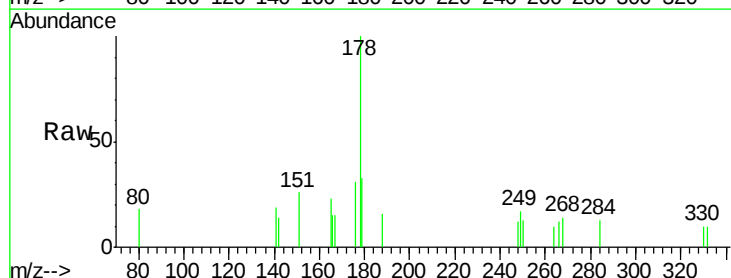
Tgt Ion:178 Resp: 690

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

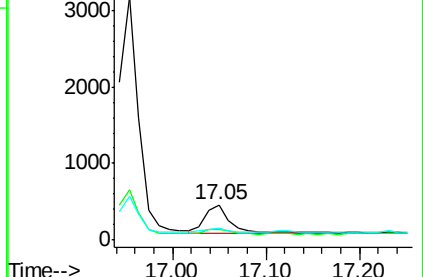
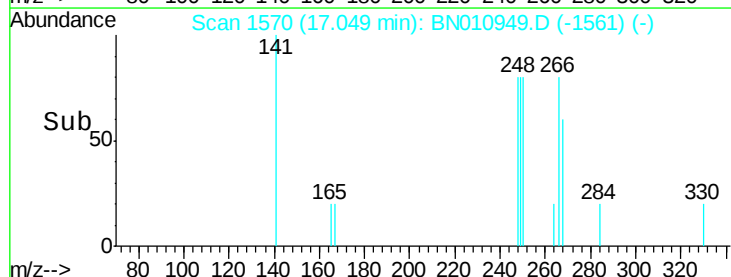
179 13.6 12.3 18.5

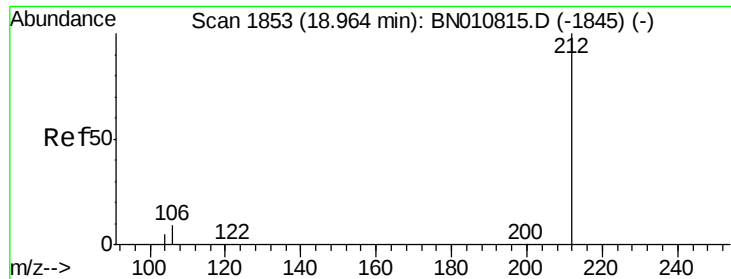


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.581 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

Instrument :

BNA_N

ClientSampleId :

MW-22

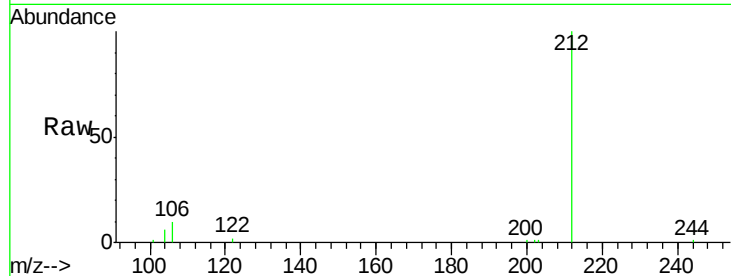
Tot Ion:212 Resp: 14193

Ion Ratio Lower Upper

212 100

106 9.7 6.6 10.0

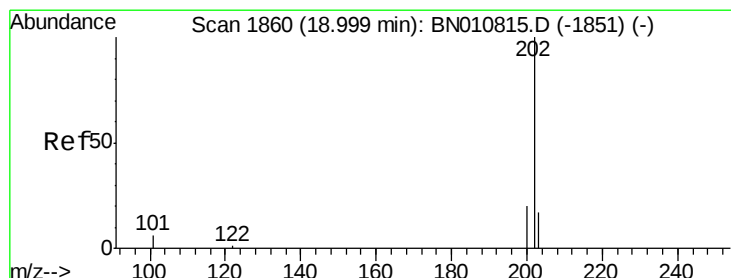
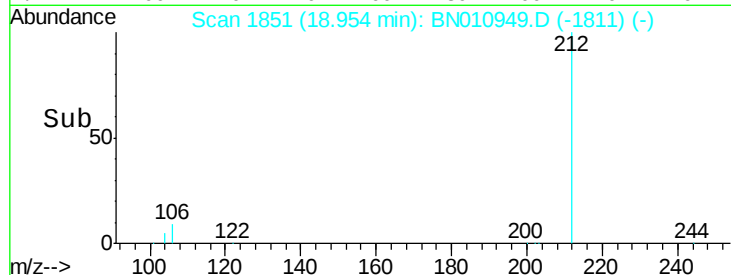
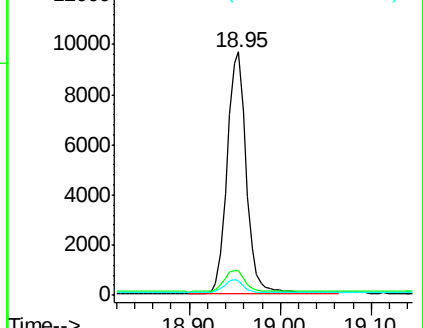
104 5.3 4.0 6.0



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: 0.022 ng

RT: 18.98 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BN010949.D

Acq: 17 Jun 2020 20:11

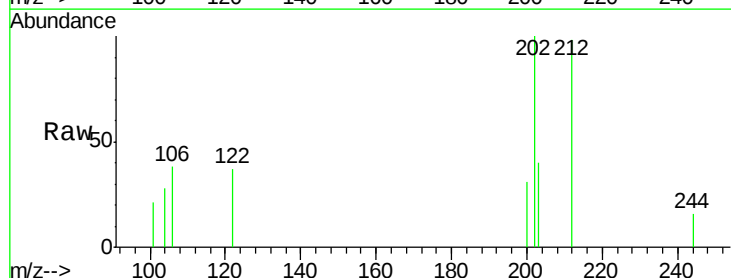
Tgt Ion:202 Resp: 606

Ion Ratio Lower Upper

202 100

101 7.8 5.8 8.6

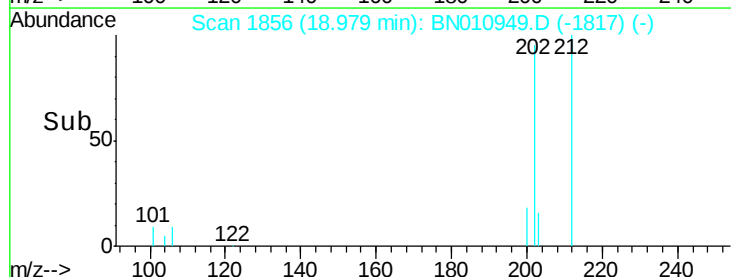
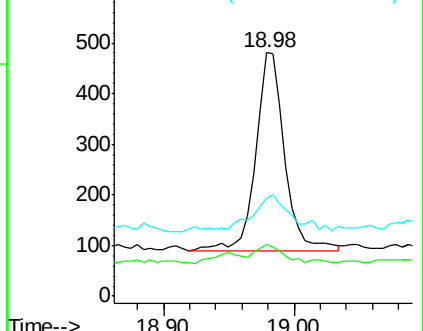
203 22.6 13.7 20.5#

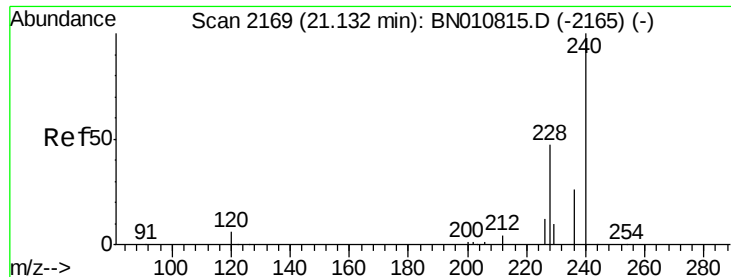


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

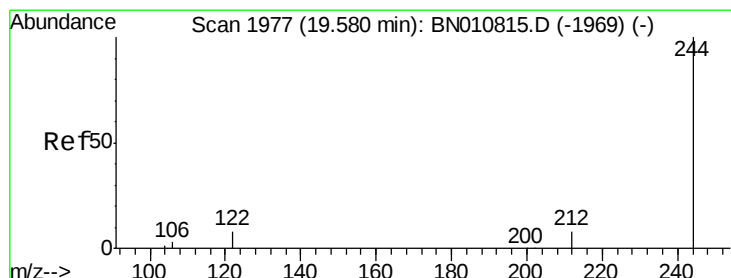
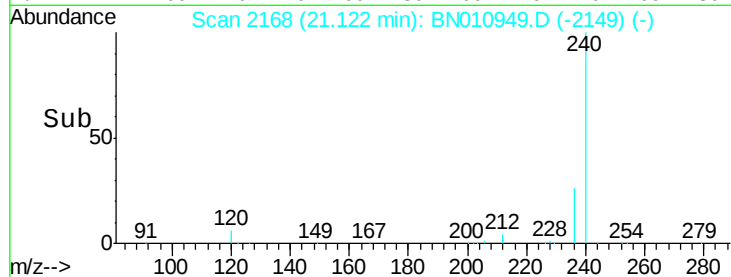
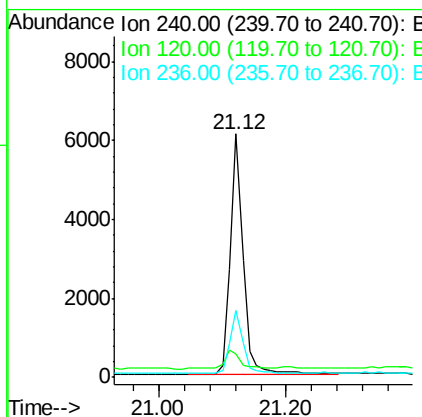
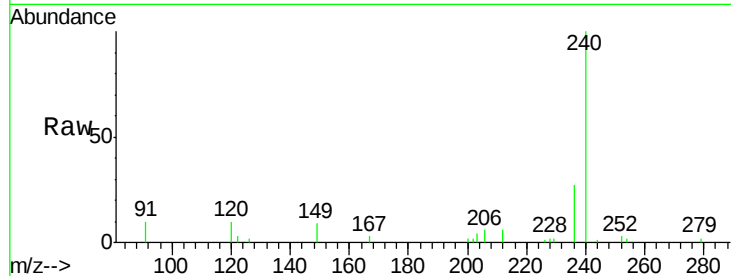




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.12 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: BN010949.D
 Acq: 17 Jun 2020 20:11

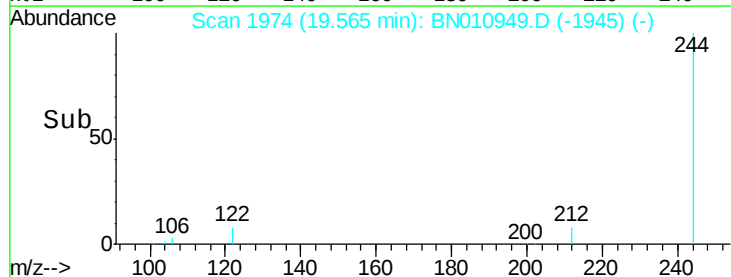
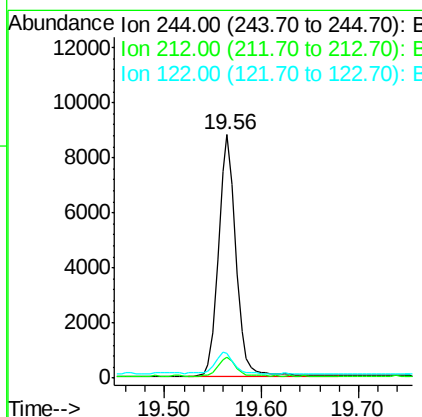
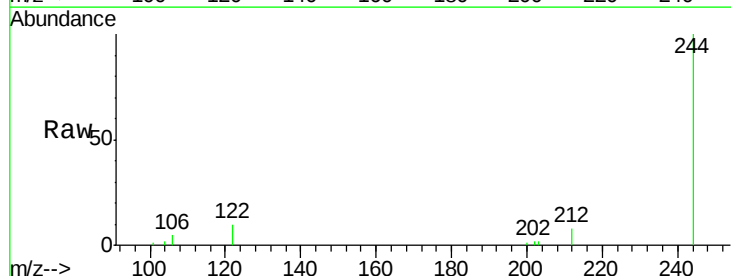
Instrument :
 BNA_N
 ClientSampleId :
 MW-22

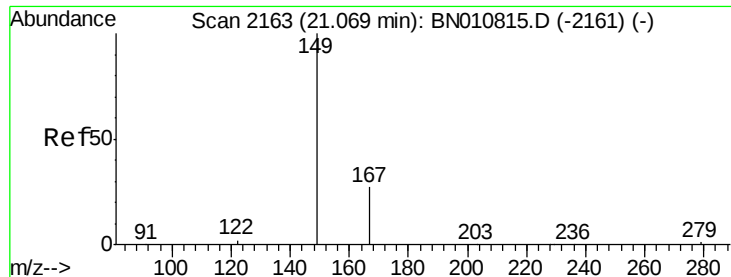
Tot Ion:240 Resp: 8497
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.5 11.3
 236 27.4 22.3 33.5



#29
 Terphenyl-d14
 Concen: 0.551 ng
 RT: 19.56 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN010949.D
 Acq: 17 Jun 2020 20:11

Tgt Ion:244 Resp: 10954
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.4 11.2
 122 10.3 7.5 11.3

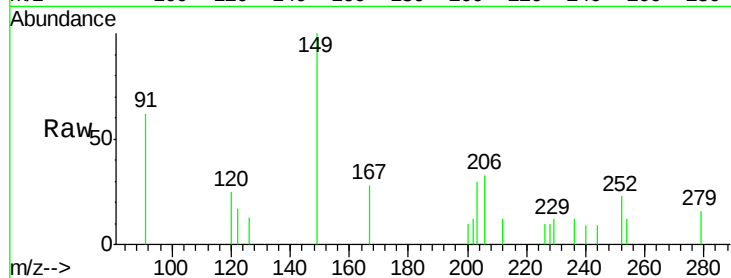




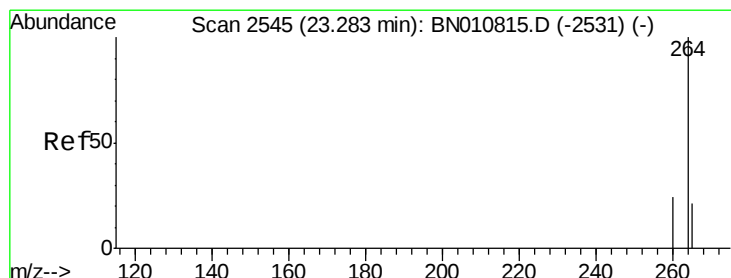
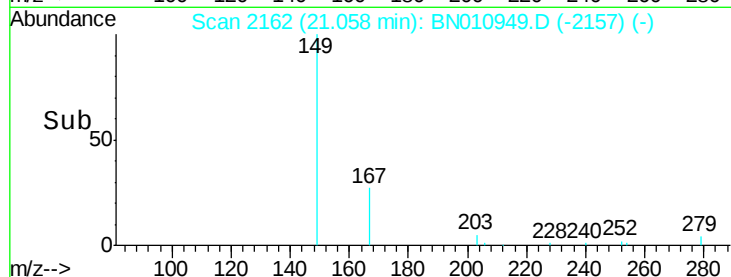
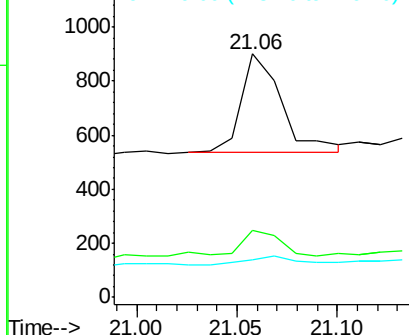
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.062 ng
 RT: 21.06 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BN010949.D
 Acq: 17 Jun 2020 20:11

Instrument :
 BNA_N
 ClientSampleId :
 MW-22

Tot Ion:149 Resp: 513
 Ion Ratio Lower Upper
 149 100
 167 22.8 24.1 36.1#
 279 11.1 4.6 7.0#

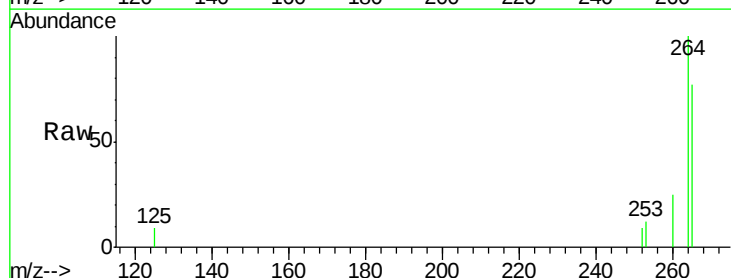


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2541
 Delta R.T. 0.00 min
 Lab File: BN010949.D
 Acq: 17 Jun 2020 20:11

Tgt Ion:264 Resp: 8812
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.4 30.6
 265 76.7 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

