

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
 Data File : BN010936.D
 Acq On : 17 Jun 2020 09:53
 Operator : CG/JU
 Sample : L2989-03DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE125D1-20200609DL

Quant Time: Jun 17 10:23:17 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

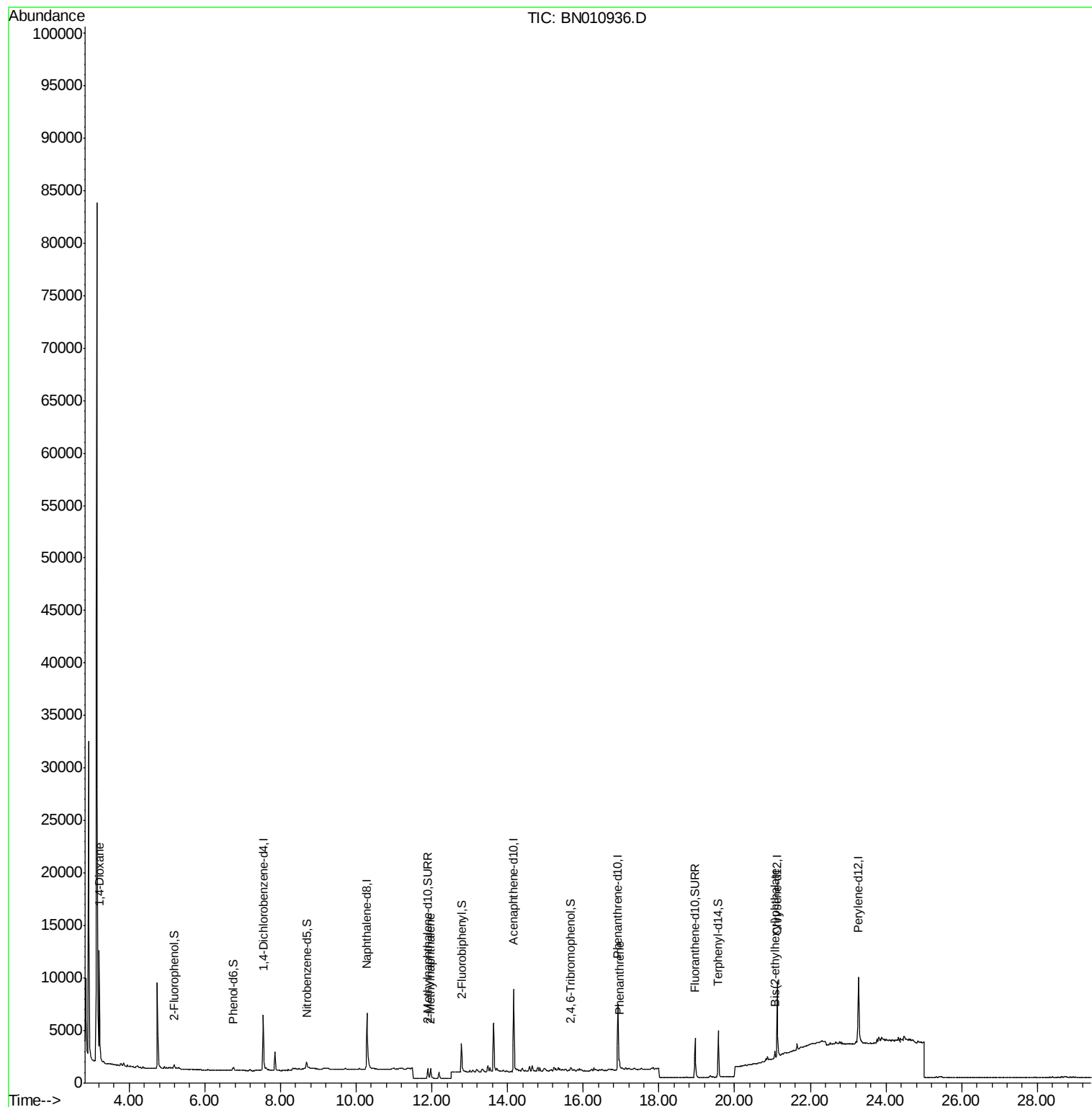
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2737	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8360	0.40	ng	-0.01
13) Acenaphthene-d10	14.16	164	4675	0.40	ng	-0.01
19) Phenanthrene-d10	16.91	188	10924	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	8975	0.40	ng	-0.01
34) Perylene-d12	23.27	264	9267	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	362	0.07	ng	0.00
5) Phenol-d6	6.74	99	213	0.03	ng	0.00
8) Nitrobenzene-d5	8.69	82	1027	0.17	ng	0.01
11) 2-Methylnaphthalene-d10	11.89	152	1834	0.14	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	247	0.15	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	3094	0.17	ng	0.00
25) Fluoranthene-d10	18.95	212	5221	0.17	ng	0.00
29) Terphenyl-d14	19.57	244	5004	0.24	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	8021	2.992	ng	99
12) 2-Methylnaphthalene	11.97	142	853	0.061	ng	# 95
23) Phenanthrene	16.95	178	946	0.032	ng	98
32) Bis(2-ethylhexyl)phthalate	21.07	149	697	0.079	ng	# 90

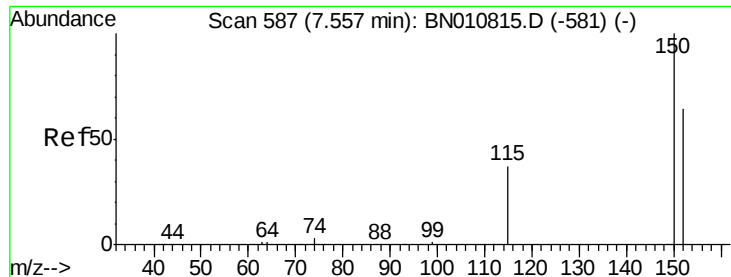
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 16 08:49:35 2020
Response via : Initial Calibration



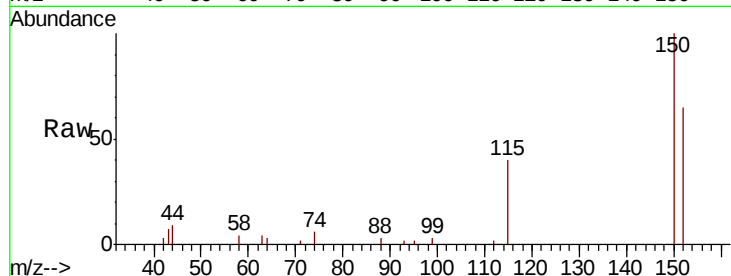


#1

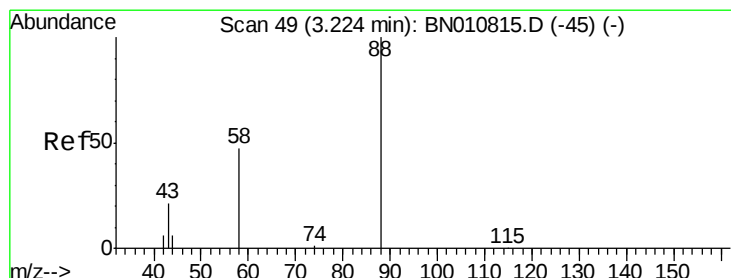
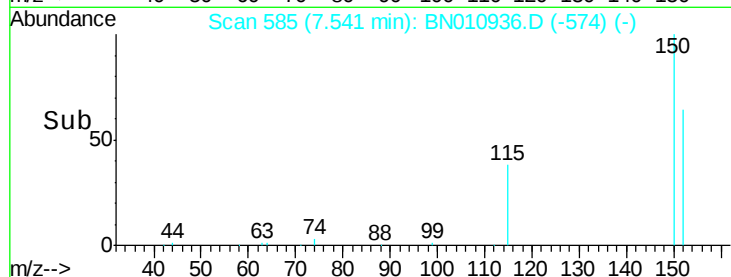
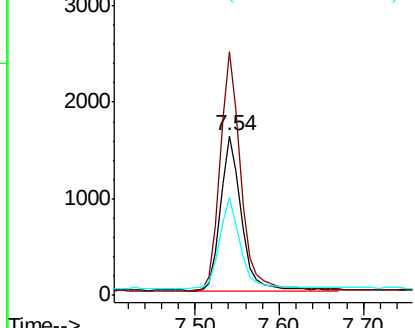
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010936.D
Acq: 17 Jun 2020 09:53

Instrument :
BNA_N
ClientSampleId :
RE125D1-20200609DL

Tot Ion:152 Resp: 2737
Ion Ratio Lower Upper
152 100
150 153.0 123.8 185.6
115 61.7 49.2 73.8



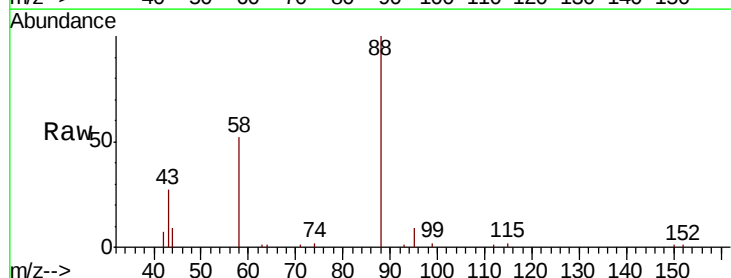
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



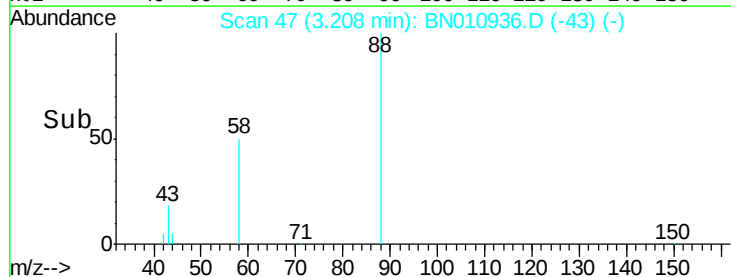
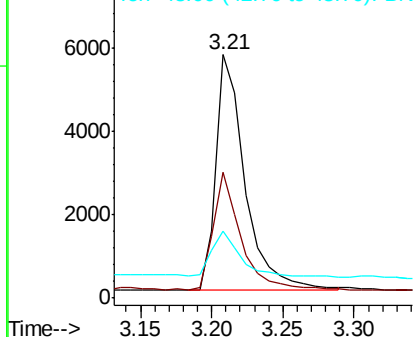
#2

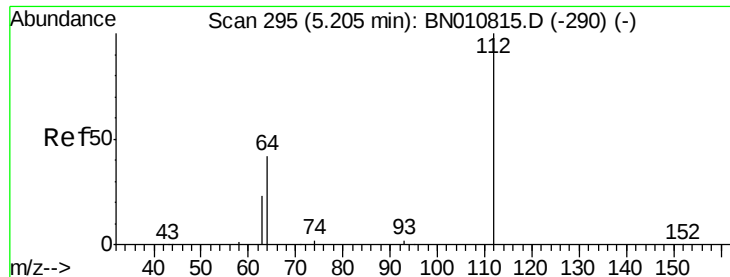
1,4-Dioxane
Concen: 2.992 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.02 min
Lab File: BN010936.D
Acq: 17 Jun 2020 09:53

Tgt Ion: 88 Resp: 8021
Ion Ratio Lower Upper
88 100
58 46.5 38.2 57.4
43 18.9 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: 0.069 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.01 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

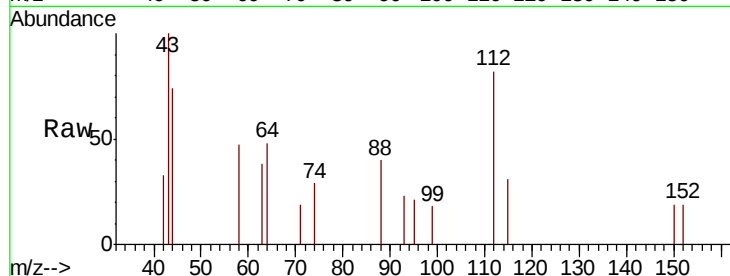
Tot Ion: 112 Resp: 362

Ion Ratio Lower Upper

112 100

64 41.2 37.4 56.0

63 19.9 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

300

250

200

150

100

50

0

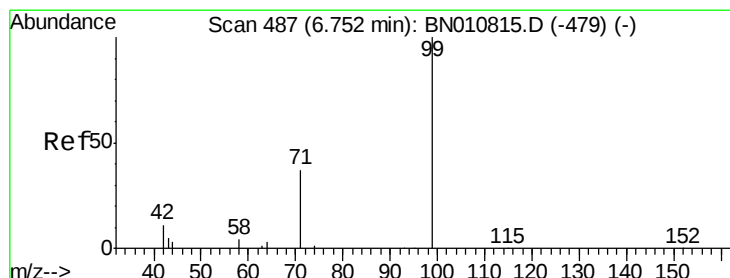
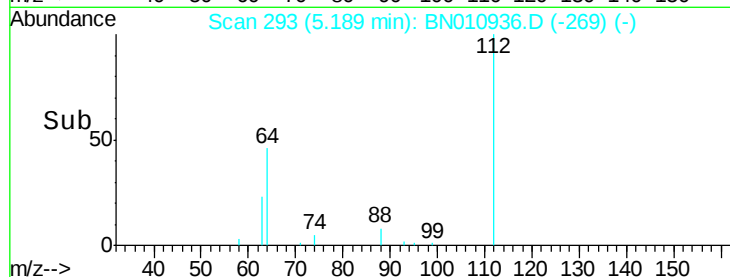
5.10

5.20

5.30

5.40

Time-->



#5

Phenol-d6

Concen: 0.034 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

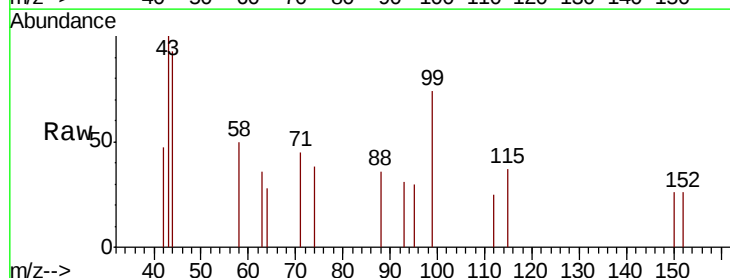
Tgt Ion: 99 Resp: 213

Ion Ratio Lower Upper

99 100

42 25.4 11.1 16.7#

71 41.8 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

150

100

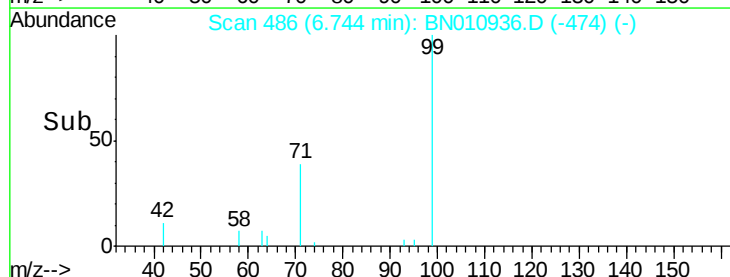
50

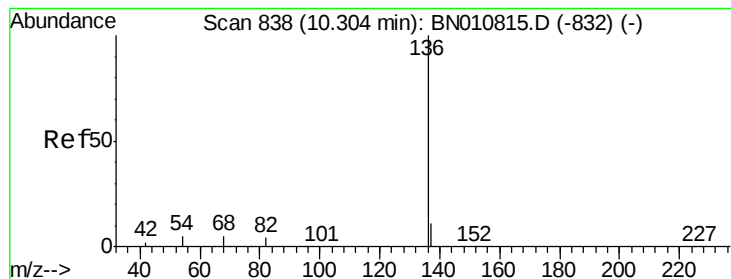
0

6.70

6.80

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

Tot Ion:136 Resp: 8360

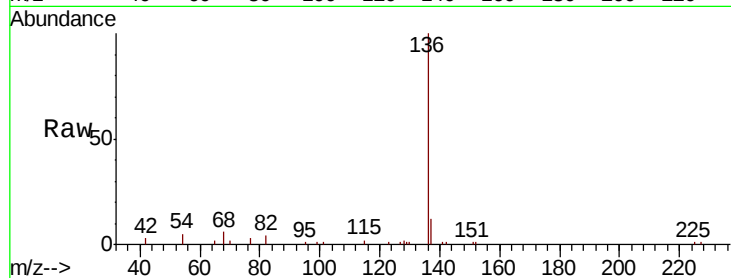
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 5.0 4.9 7.3

68 5.5 4.7 7.1

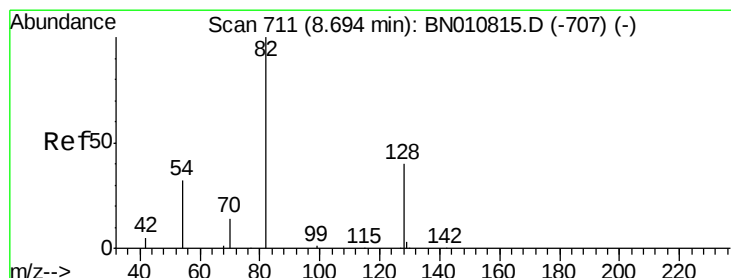
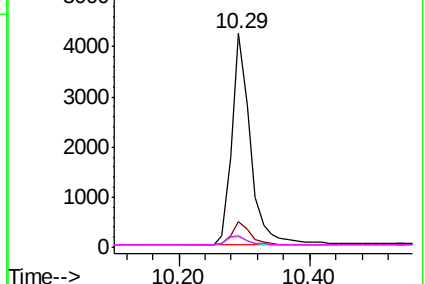
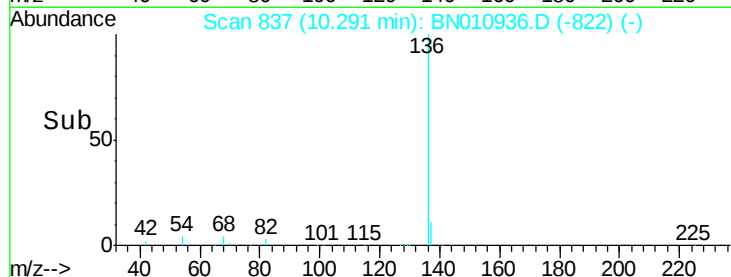


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.166 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.01 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

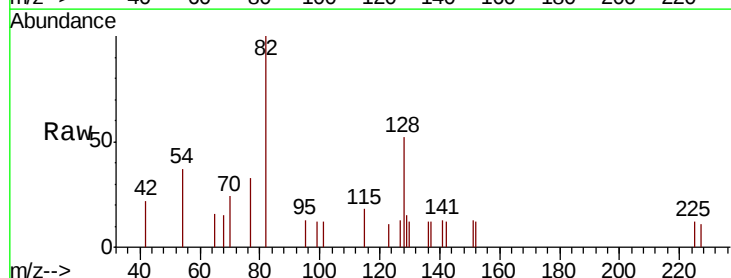
Tgt Ion: 82 Resp: 1027

Ion Ratio Lower Upper

82 100

128 51.6 35.4 53.0

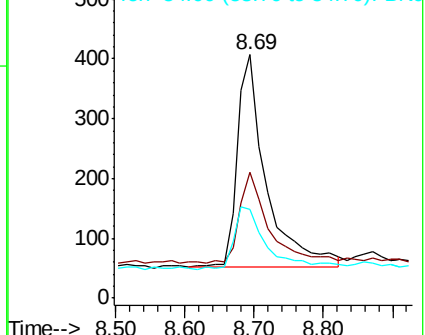
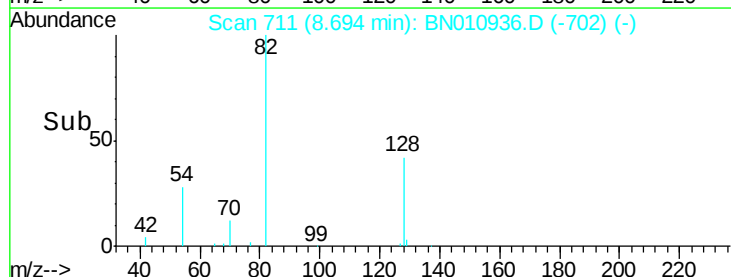
54 36.6 28.2 42.4

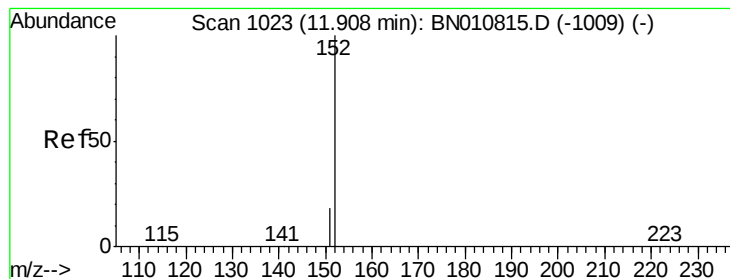


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.141 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

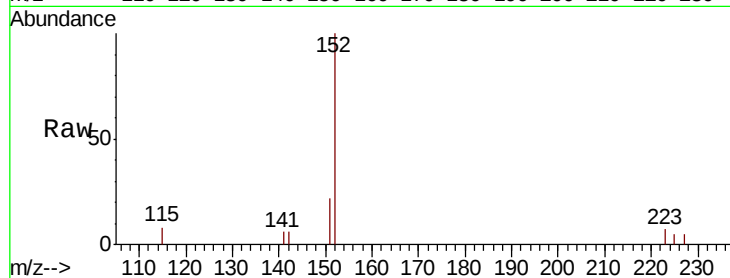
RE125D1-20200609DL

Tot Ion:152 Resp: 1834

Ion Ratio Lower Upper

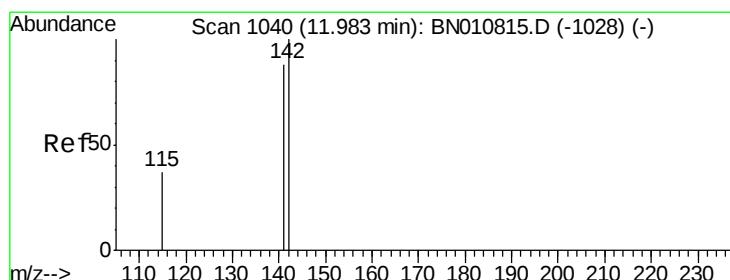
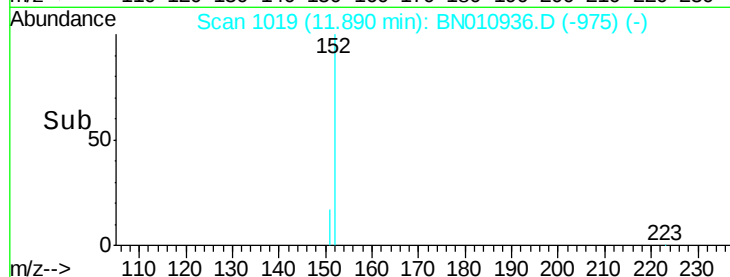
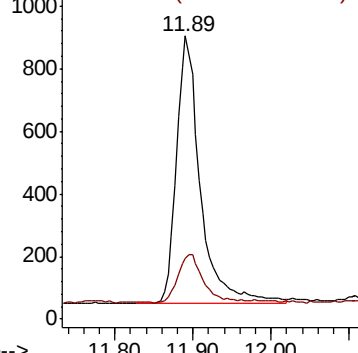
152 100

151 19.6 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: 0.061 ng

RT: 11.97 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

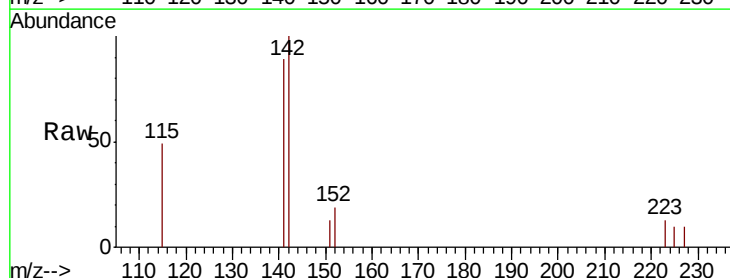
Tgt Ion:142 Resp: 853

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2

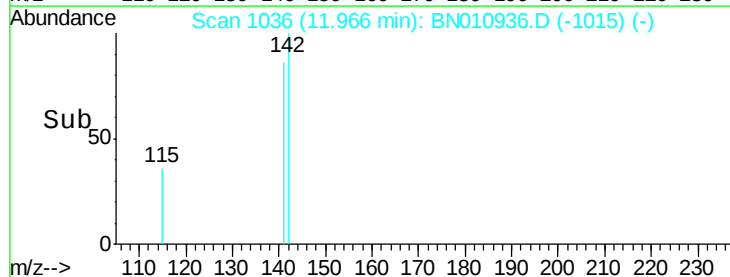
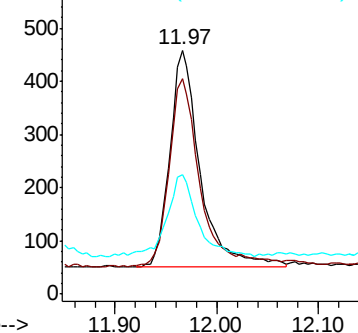
115 48.9 31.5 47.3#

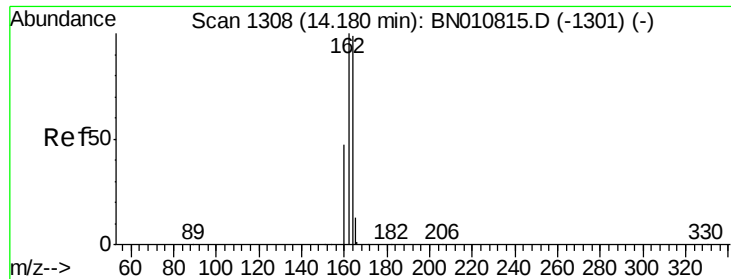


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

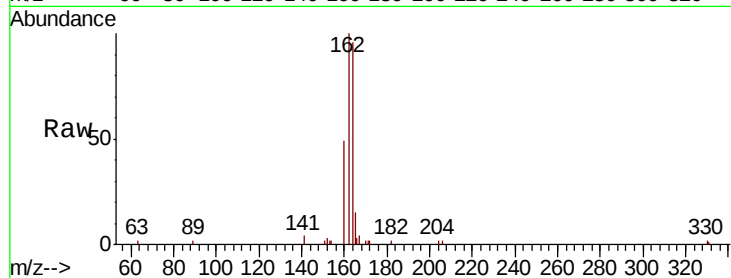
Tot Ion:164 Resp: 4675

Ion Ratio Lower Upper

164 100

162 103.9 81.0 121.6

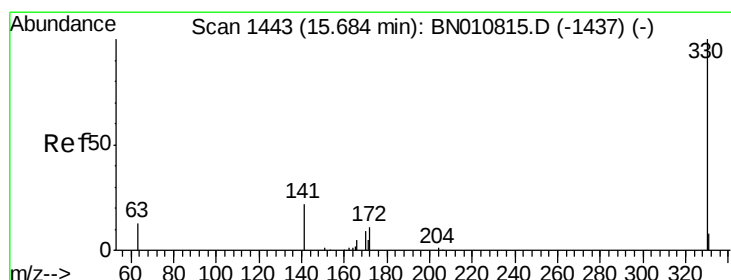
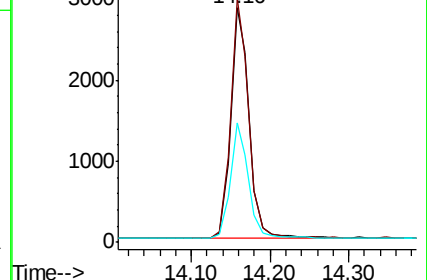
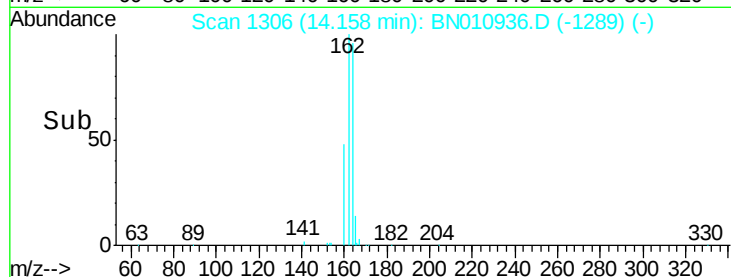
160 50.8 38.9 58.3



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: 0.148 ng

RT: 15.67 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

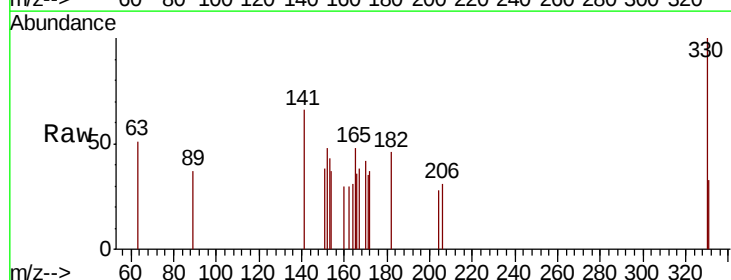
Tgt Ion:330 Resp: 247

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

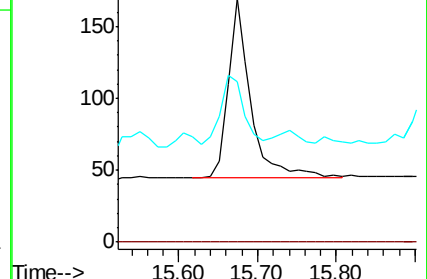
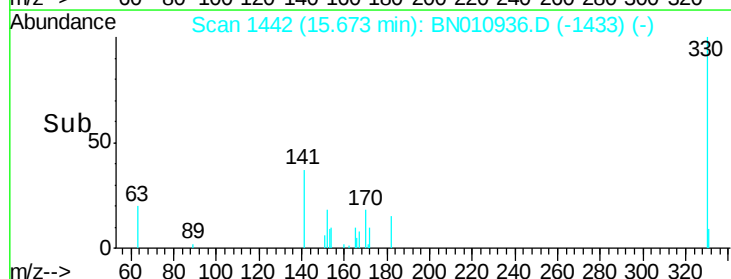
141 40.9 33.2 49.8

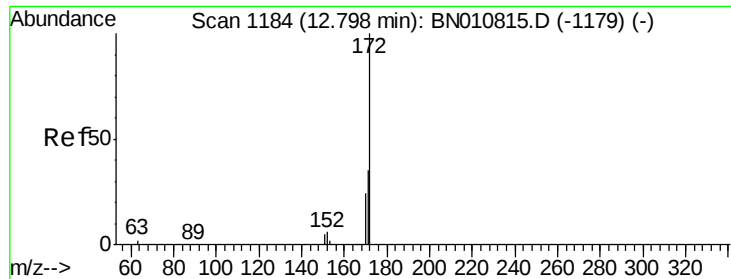


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

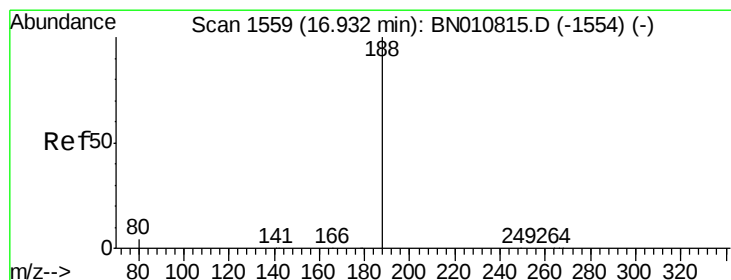
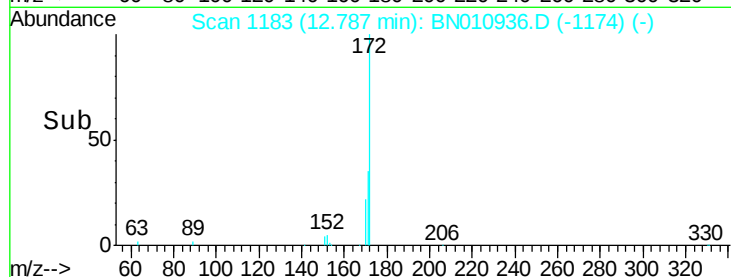
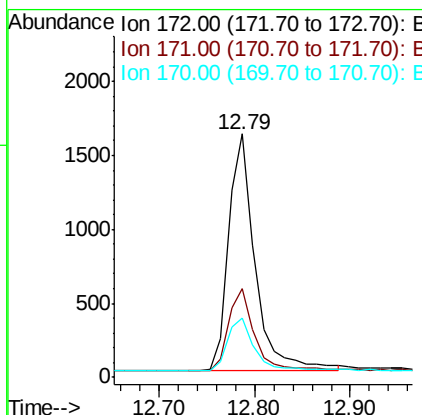
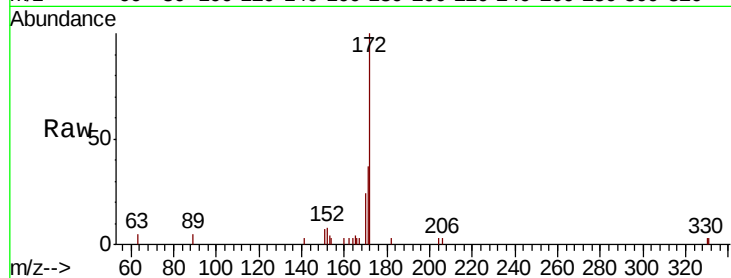




#15
2-Fluorobiphenyl
Concen: 0.168 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BN010936.D
Acq: 17 Jun 2020 09:53

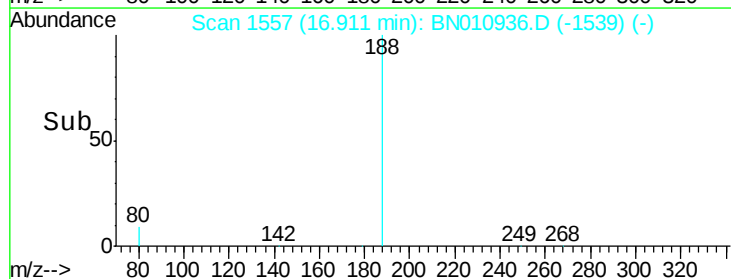
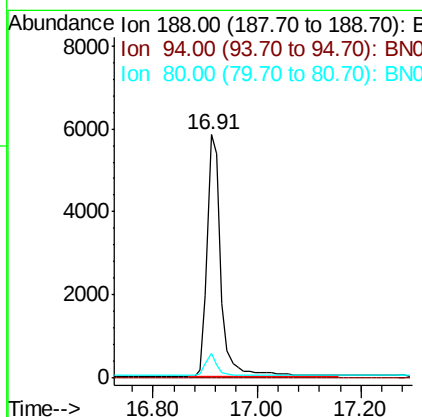
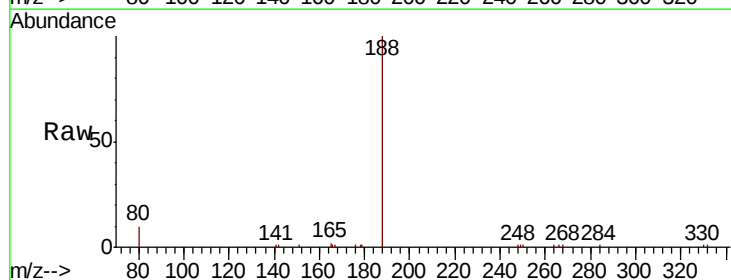
Instrument :
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RE125D1-20200609DL

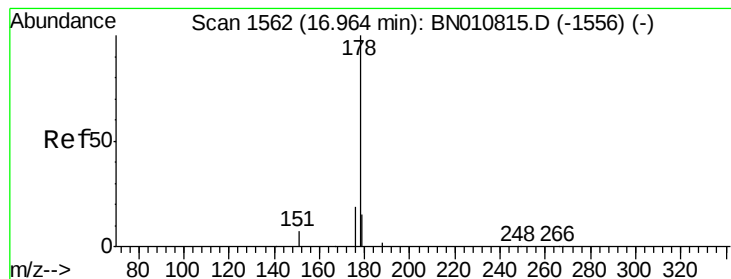
Tot Ion:172 Resp: 3094
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.3 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BN010936.D
Acq: 17 Jun 2020 09:53

Tgt Ion:188 Resp: 10924
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 4.5 6.7#





#23

Phenanthrene

Concen: 0.032 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

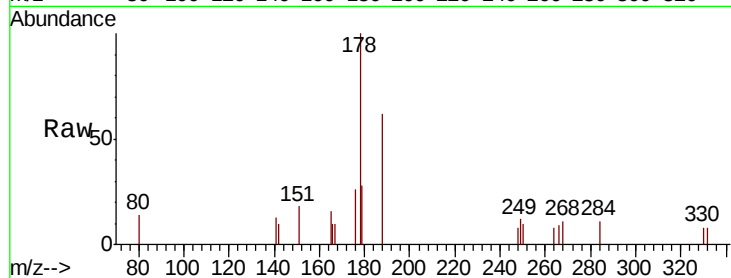
Tot Ion:178 Resp: 946

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

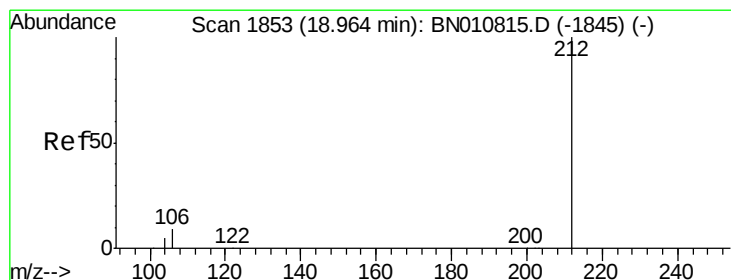
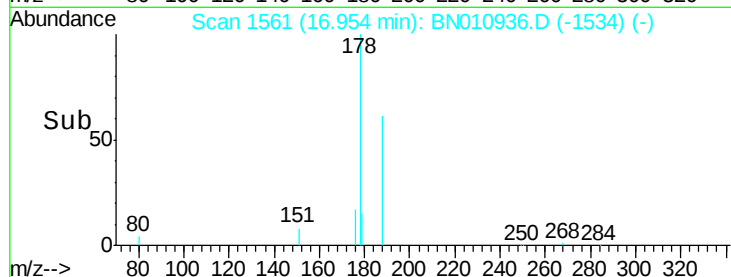
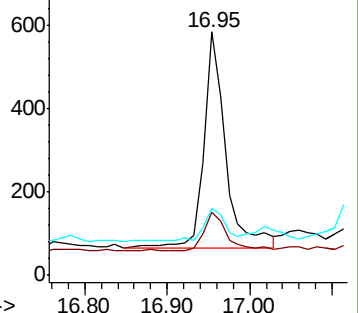
179 14.8 12.6 19.0



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



#25

Fluoranthene-d10

Concen: 0.173 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

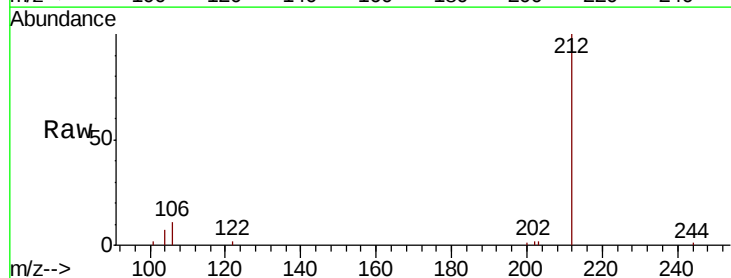
Tgt Ion:212 Resp: 5221

Ion Ratio Lower Upper

212 100

106 8.9 6.6 10.0

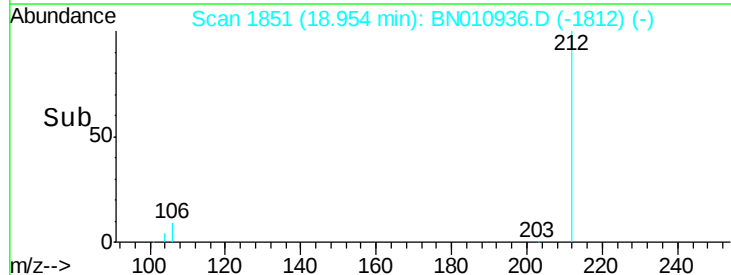
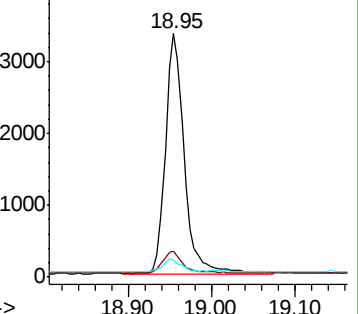
104 5.2 4.0 6.0

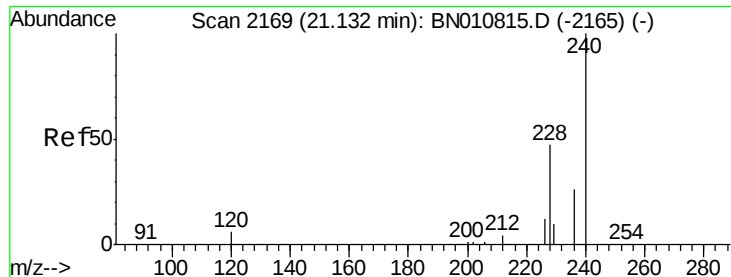


Abundance Ion 212.00 (211.70 to 212.70): E

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: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

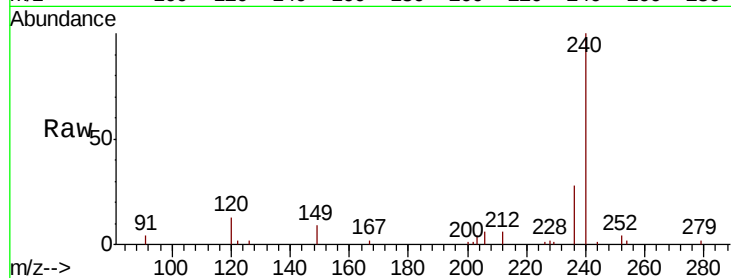
Tot Ion:240 Resp: 8975

Ion Ratio Lower Upper

240 100

120 12.8 7.5 11.3#

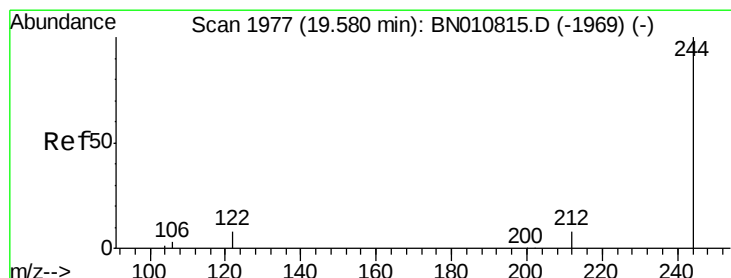
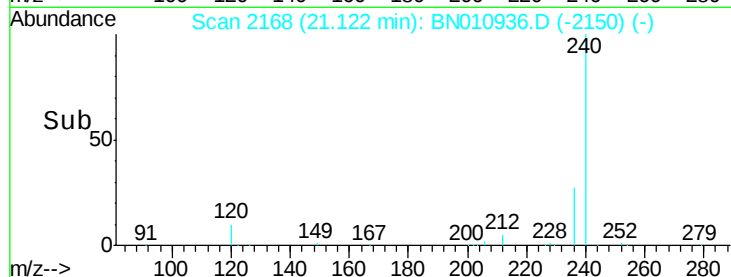
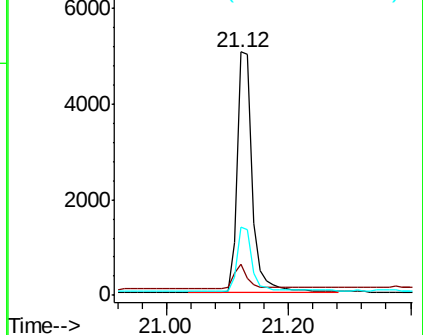
236 28.0 22.3 33.5



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



#29

Terphenyl-d14

Concen: 0.238 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

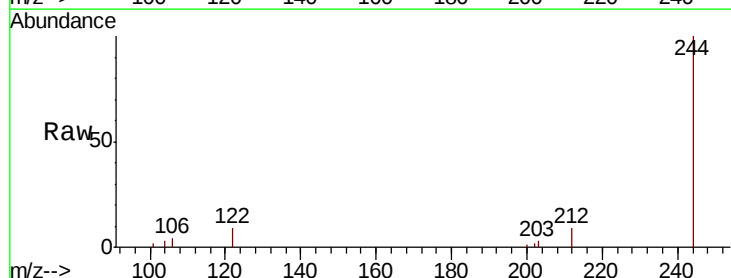
Tgt Ion:244 Resp: 5004

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.2

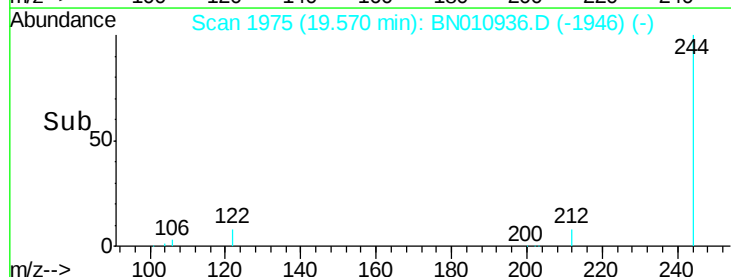
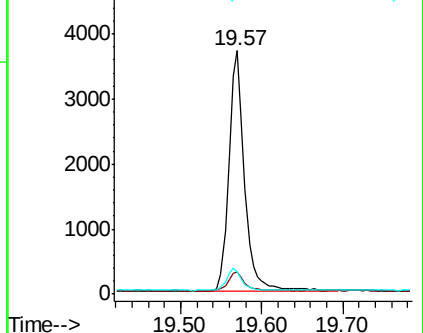
122 9.2 7.5 11.3

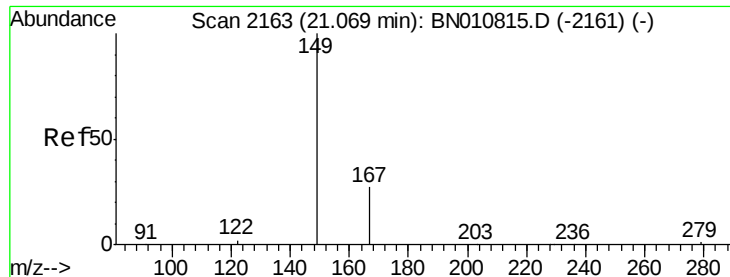


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

Instrument :

BNA_N

ClientSampleId :

RE125D1-20200609DL

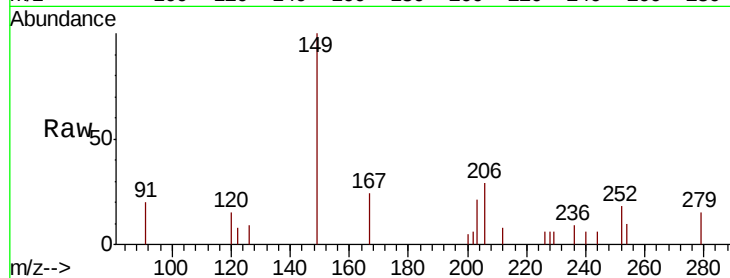
Tot Ion:149 Resp: 697

Ion Ratio Lower Upper

149 100

167 24.0 24.1 36.1#

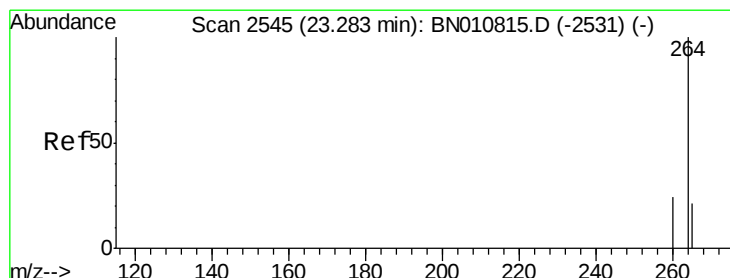
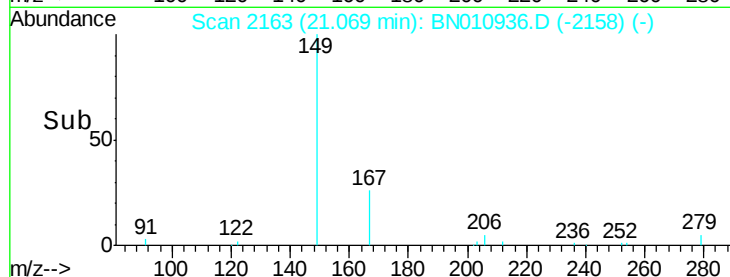
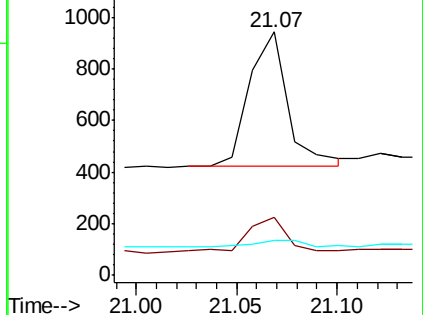
279 6.7 4.6 7.0



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# 2542

Delta R.T. -0.00 min

Lab File: BN010936.D

Acq: 17 Jun 2020 09:53

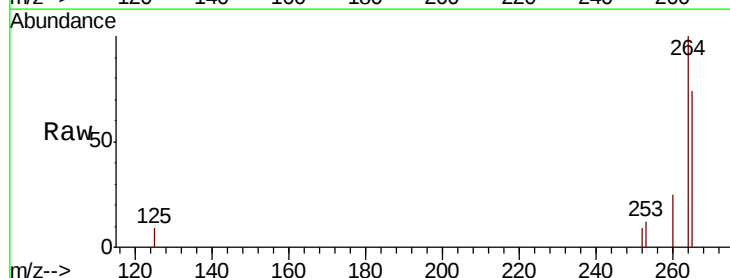
Tgt Ion:264 Resp: 9267

Ion Ratio Lower Upper

264 100

260 25.2 20.4 30.6

265 74.3 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

