

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
 Data File : BN010940.D
 Acq On : 17 Jun 2020 13:33
 Operator : CG/JU
 Sample : L3011-09
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20200611

Quant Time: Jun 17 14:05:28 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

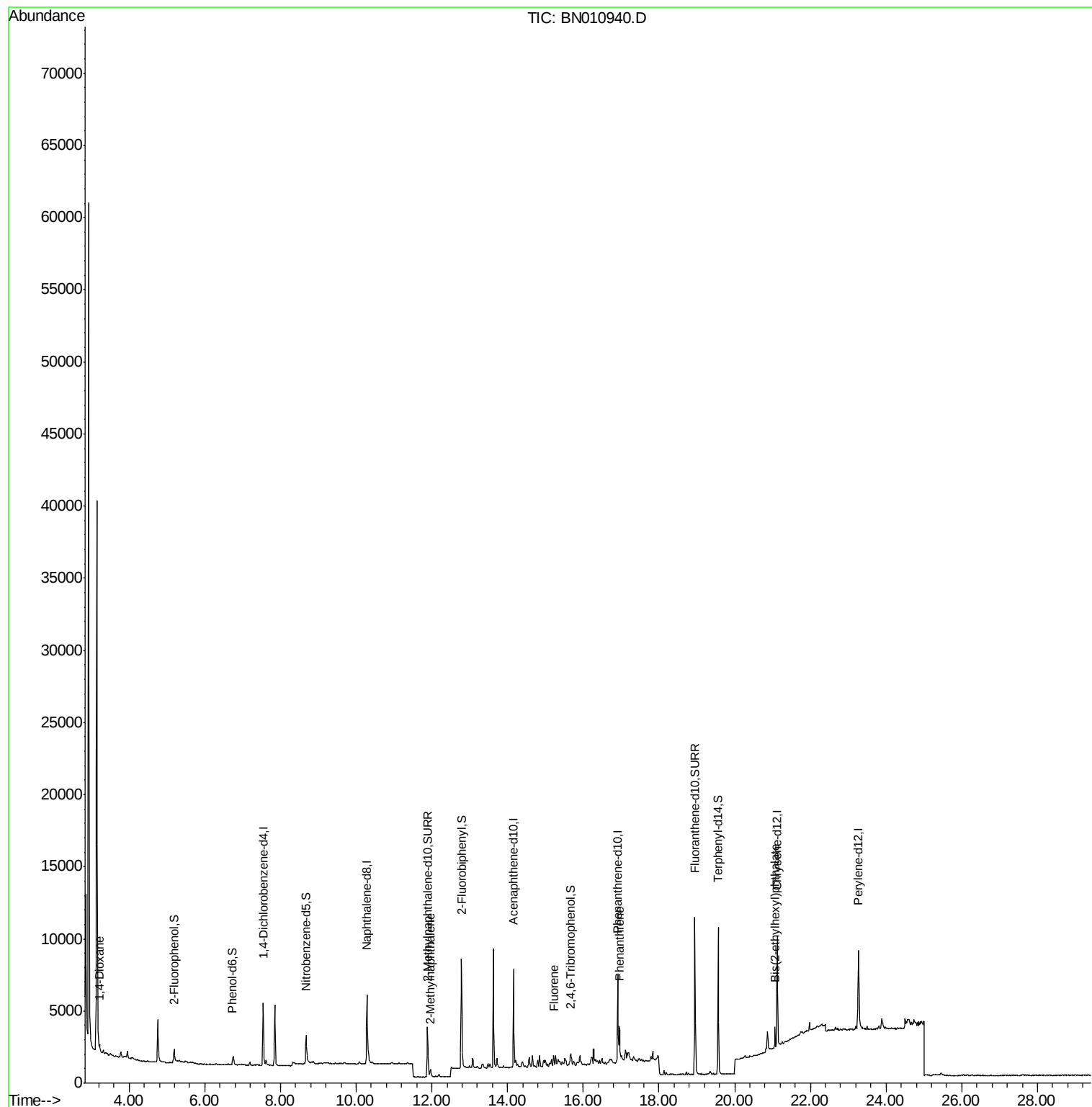
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2227	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	7562	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4220	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	9845	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8104	0.40	ng	0.00
34) Perylene-d12	23.27	264	8138	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	833	0.19	ng	0.00
5) Phenol-d6	6.74	99	518	0.10	ng	0.00
8) Nitrobenzene-d5	8.68	82	2445	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5624	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	568	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	7442	0.45	ng	0.00
25) Fluoranthene-d10	18.95	212	14110	0.52	ng	0.00
29) Terphenyl-d14	19.57	244	10848	0.57	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.22	88	348	0.160	ng	# 69
12) 2-Methylnaphthalene	11.96	142	419	0.033	ng	# 91
18) Fluorene	15.22	166	401	0.026	ng	# 86
23) Phenanthrene	16.95	178	3142	0.117	ng	95
32) Bis(2-ethylhexyl)phthalate	21.06	149	1328	0.167	ng	94

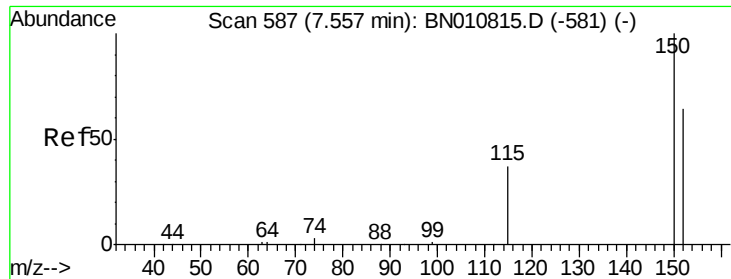
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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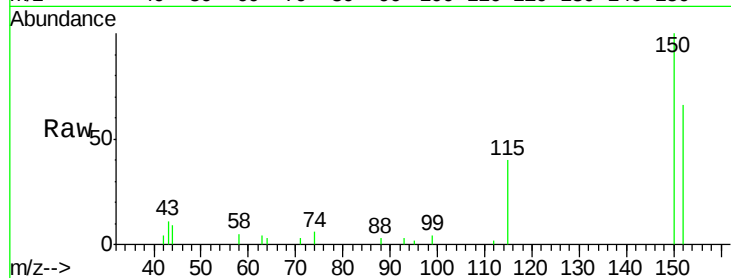


#1

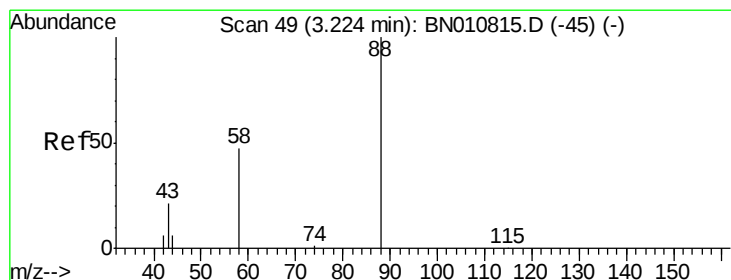
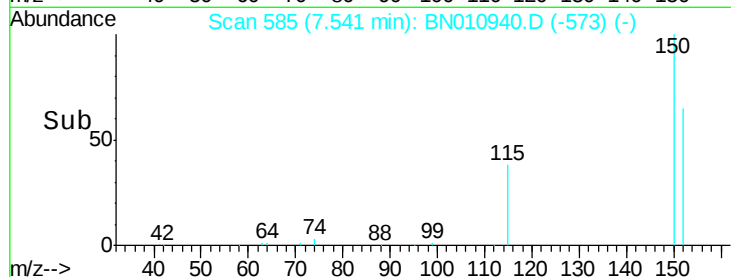
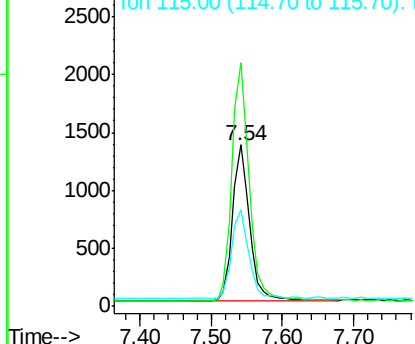
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.00 min
Lab File: BN010940.D
Acq: 17 Jun 2020 13:33

Instrument :
BNA_N
ClientSampleId :
RE117D1-20200611

Tot Ion:152 Resp: 2227
Ion Ratio Lower Upper
152 100
150 150.7 123.8 185.6
115 60.0 49.2 73.8



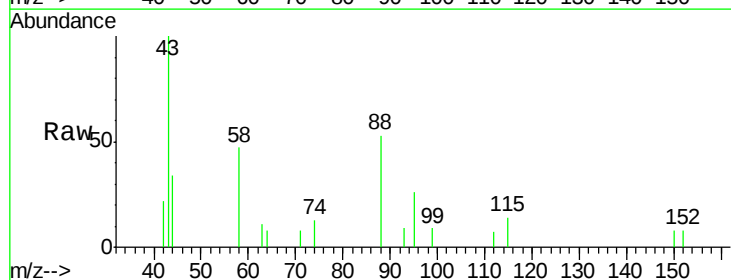
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



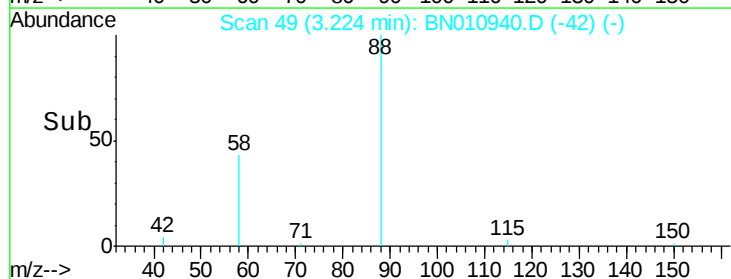
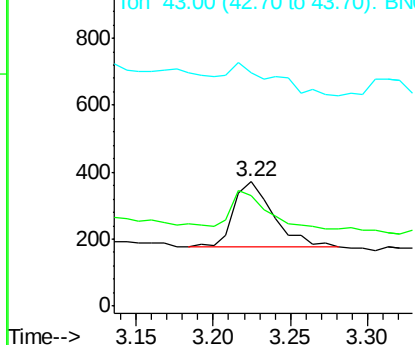
#2

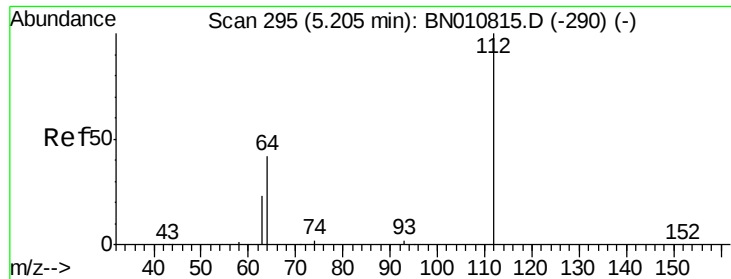
1,4-Dioxane
Concen: 0.160 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.01 min
Lab File: BN010940.D
Acq: 17 Jun 2020 13:33

Tgt Ion: 88 Resp: 348
Ion Ratio Lower Upper
88 100
58 52.9 38.2 57.4
43 59.8 15.1 22.7#



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.194 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

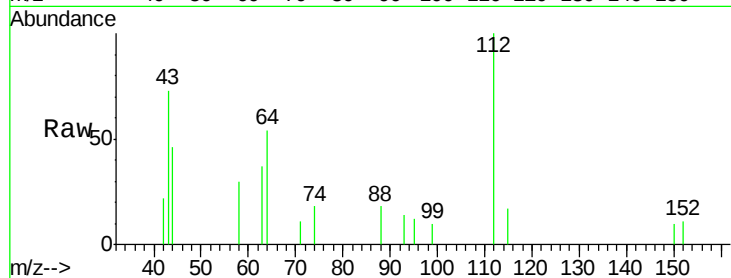
Tot Ion: 112 Resp: 833

Ion Ratio Lower Upper

112 100

64 48.0 37.4 56.0

63 27.9 22.2 33.4

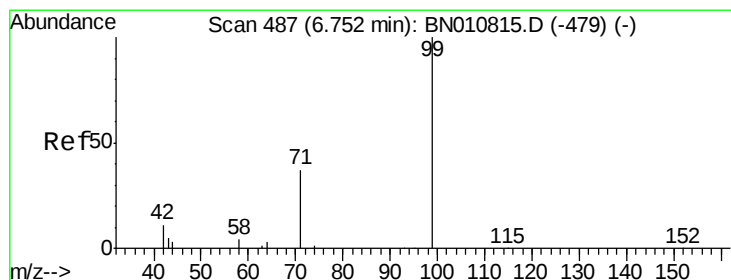
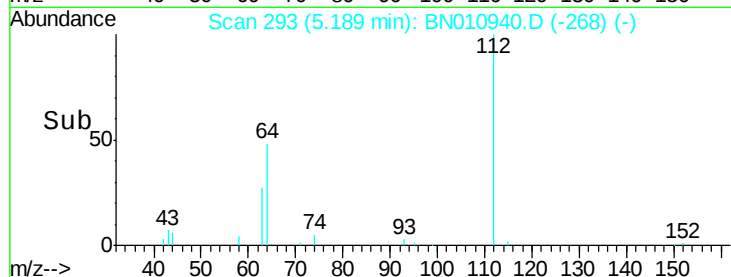
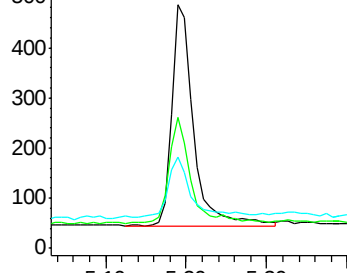


Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B

5.19



#5

Phenol-d6

Concen: 0.102 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

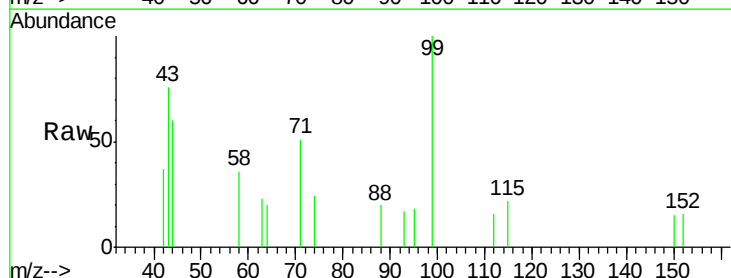
Tgt Ion: 99 Resp: 518

Ion Ratio Lower Upper

99 100

42 29.2 11.1 16.7#

71 42.7 31.4 47.2

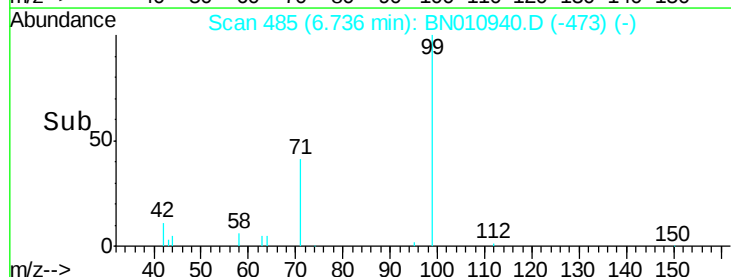
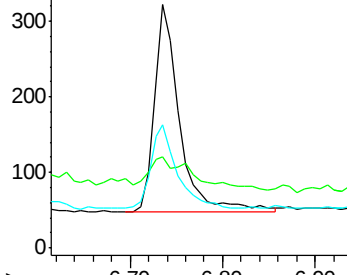


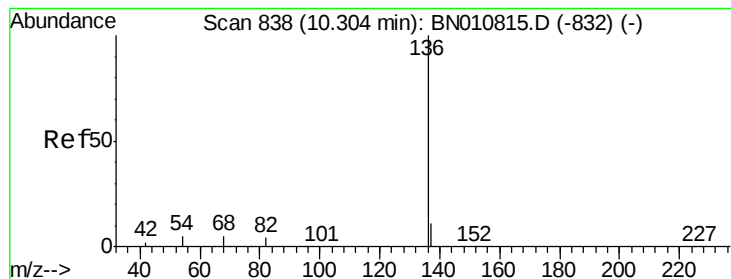
Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

6.74





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

Tot Ion:136 Resp: 7562

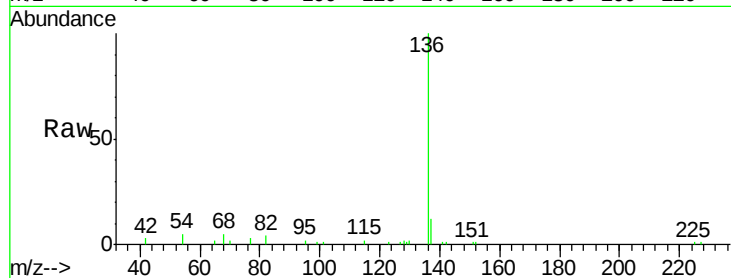
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 4.8 4.9 7.3#

68 5.2 4.7 7.1

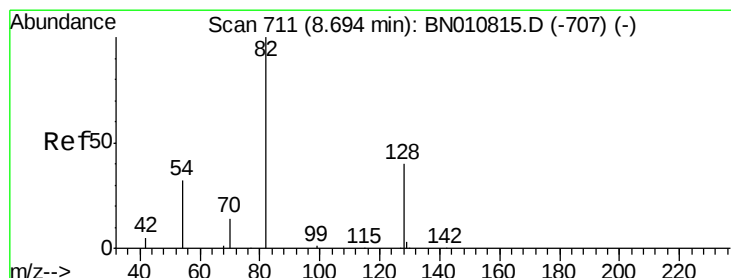
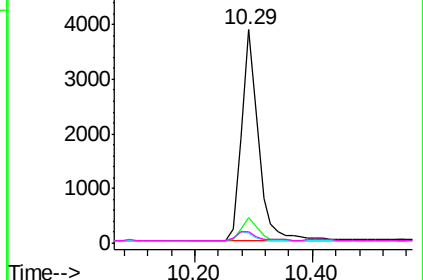
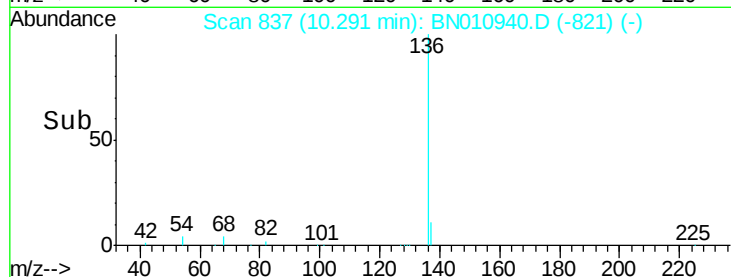


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.437 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

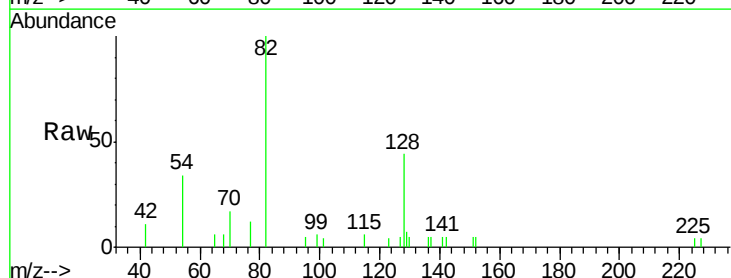
Tgt Ion: 82 Resp: 2445

Ion Ratio Lower Upper

82 100

128 44.1 35.4 53.0

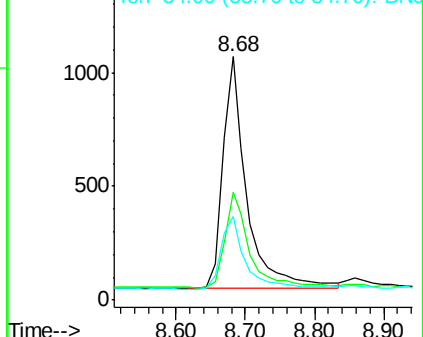
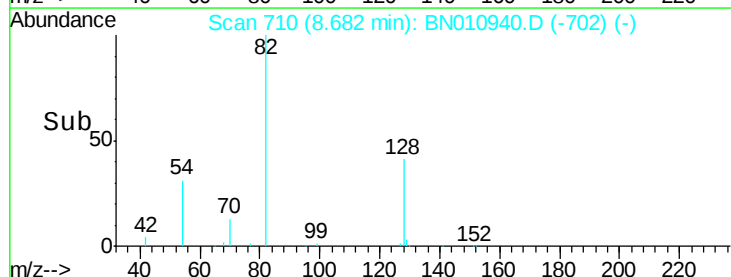
54 34.2 28.2 42.4

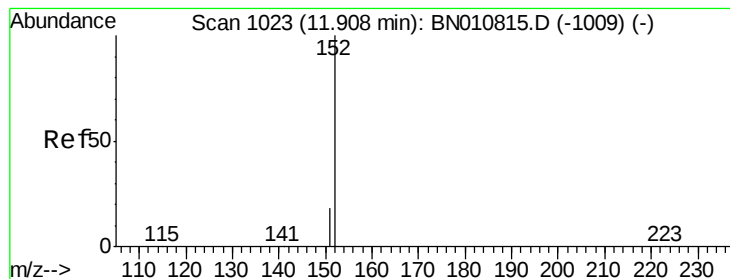


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.479 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

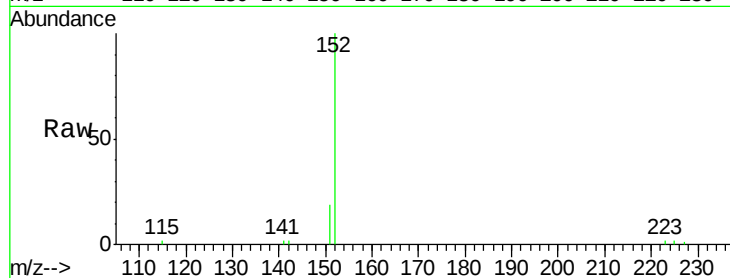
RE117D1-20200611

Tot Ion:152 Resp: 5624

Ion Ratio Lower Upper

152 100

151 19.1 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

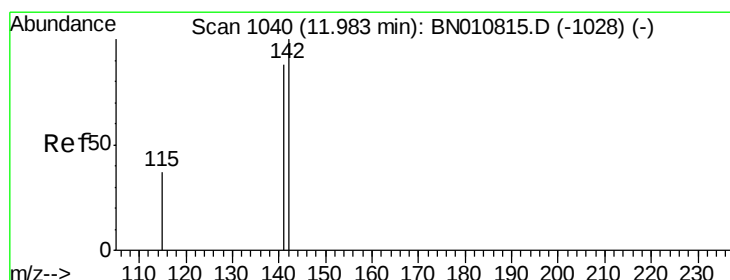
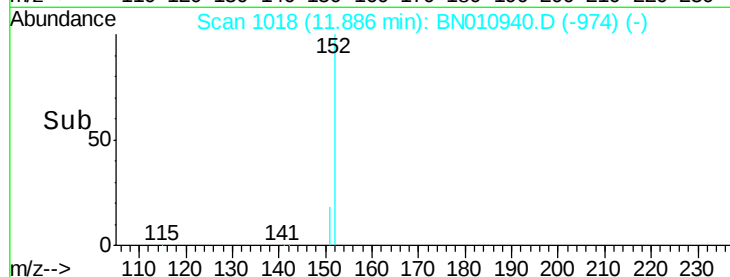
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.033 ng

RT: 11.96 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

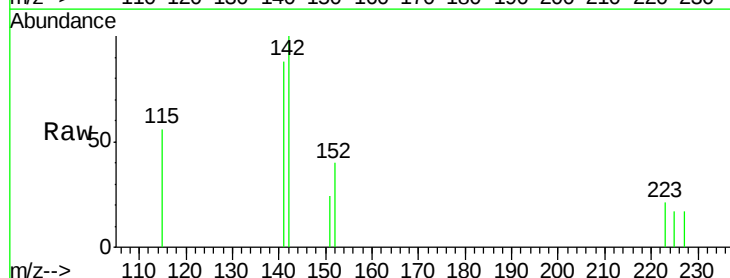
Tgt Ion:142 Resp: 419

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2

115 56.5 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

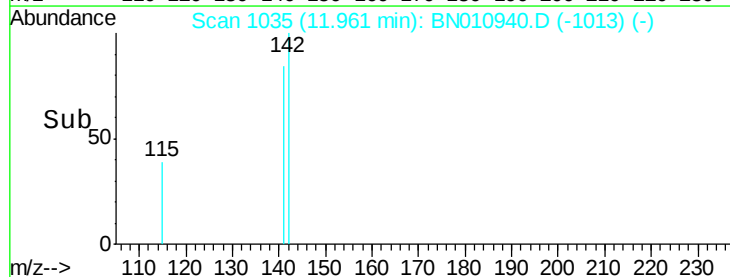
300

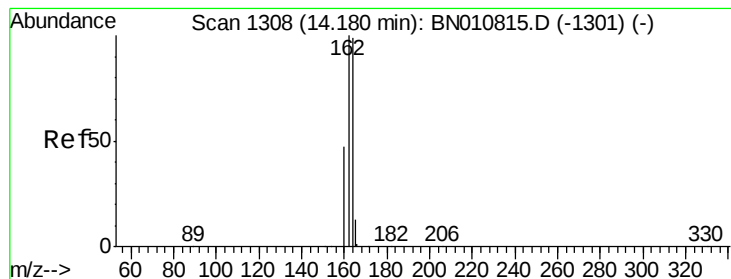
200

100

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

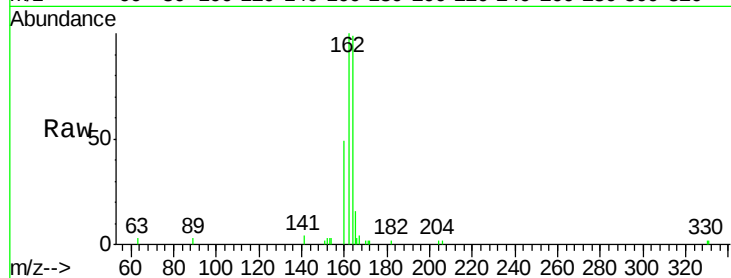
Tot Ion:164 Resp: 4220

Ion Ratio Lower Upper

164 100

162 101.4 81.0 121.6

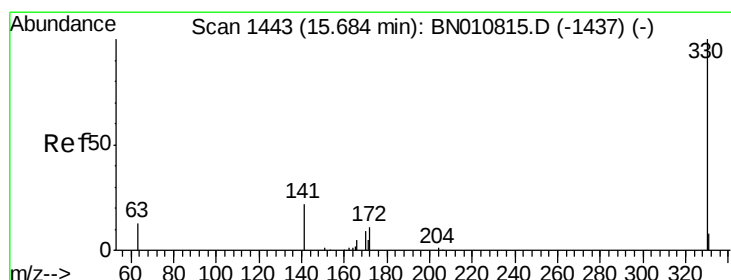
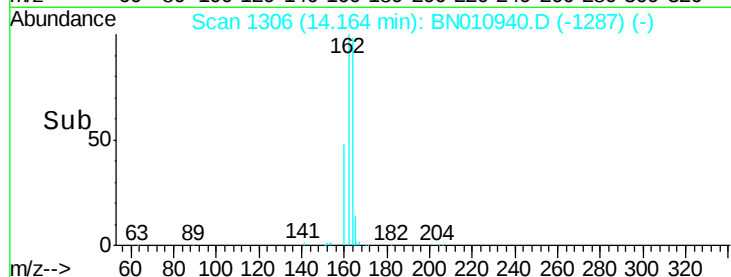
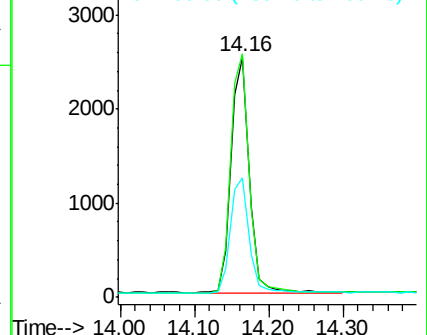
160 49.5 38.9 58.3



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: 0.376 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

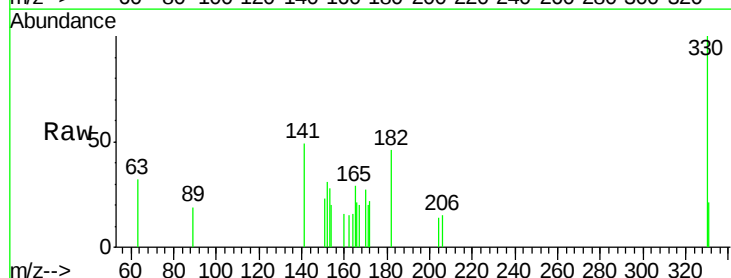
Tgt Ion:330 Resp: 568

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

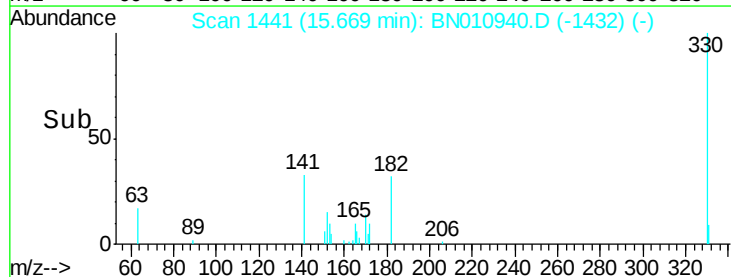
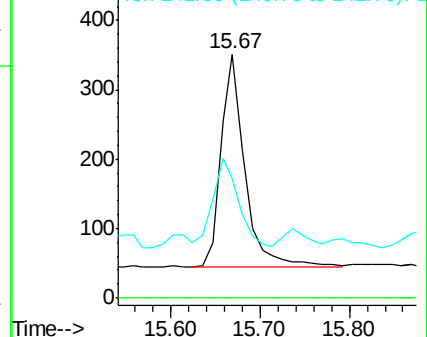
141 44.2 33.2 49.8

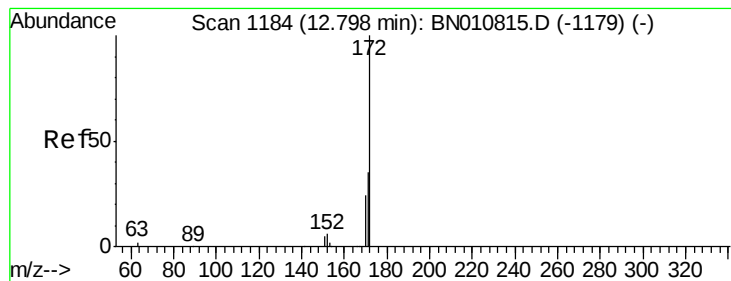


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.447 ng

RT: 12.78 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BN010940.D

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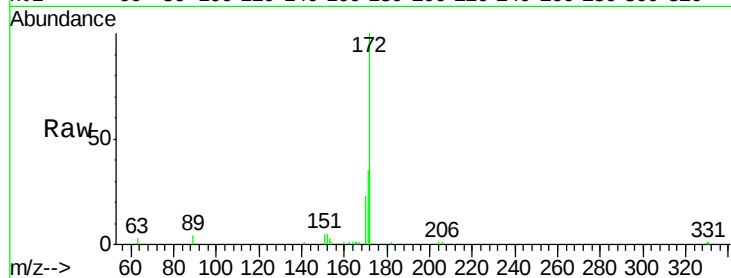
Tot Ion:172 Resp: 7442

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

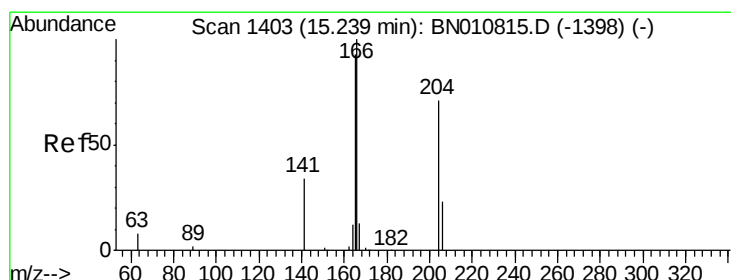
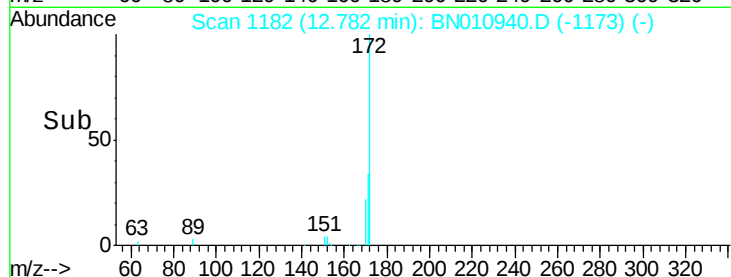
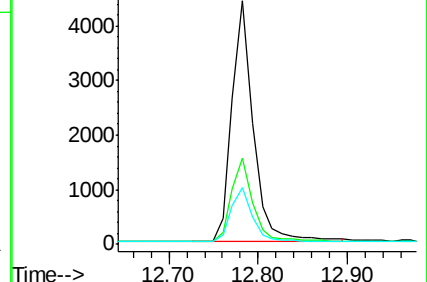
170 23.2 19.7 29.5



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



#18

Fluorene

Concen: 0.026 ng

RT: 15.22 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

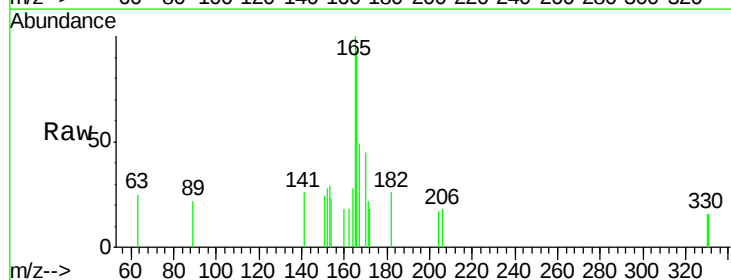
Tgt Ion:166 Resp: 401

Ion Ratio Lower Upper

166 100

165 86.8 77.2 115.8

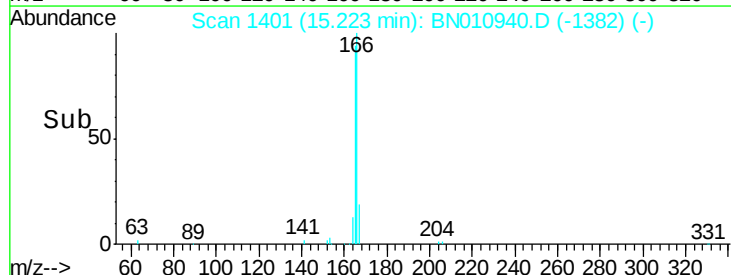
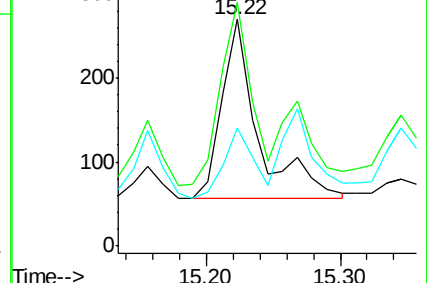
167 32.2 10.7 16.1#

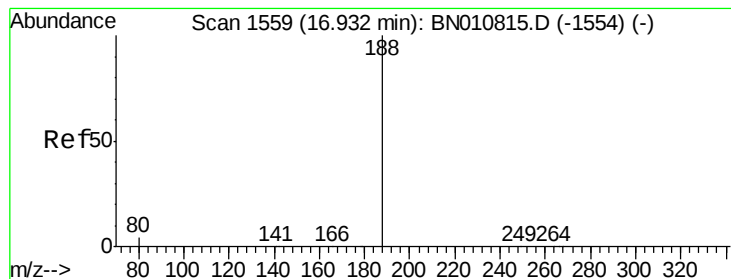


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN010940.D

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RE117D1-20200611

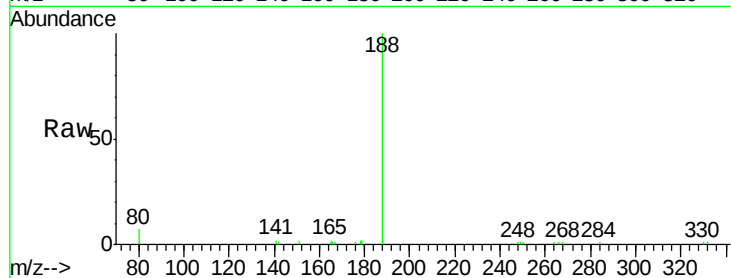
Tot Ion:188 Resp: 9845

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

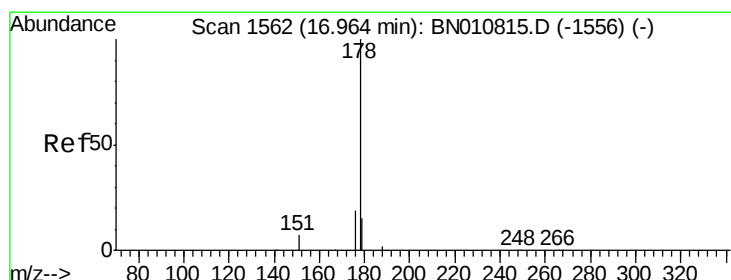
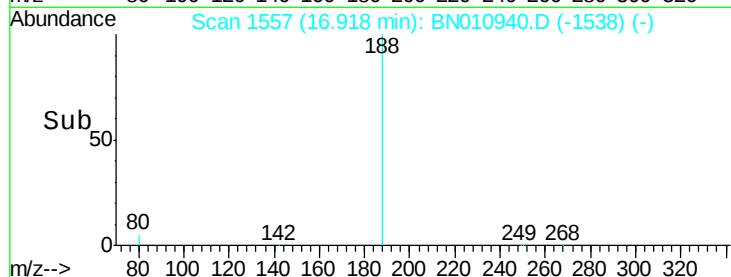
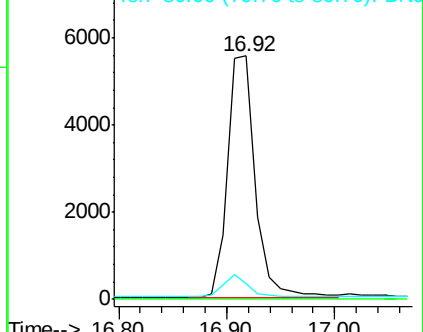
80 6.5 4.5 6.7



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: 0.117 ng

RT: 16.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

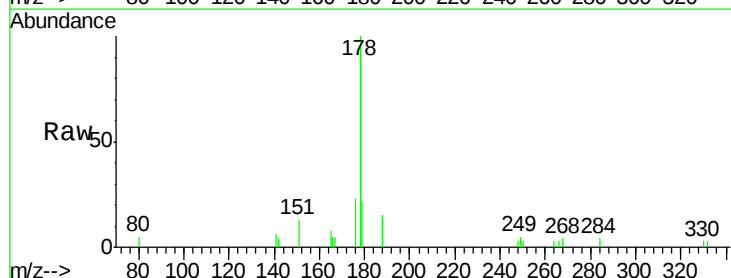
Tgt Ion:178 Resp: 3142

Ion Ratio Lower Upper

178 100

176 16.7 15.3 22.9

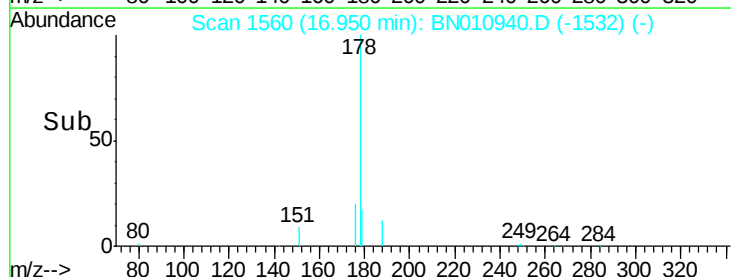
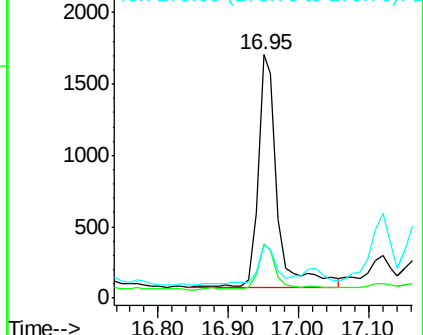
179 17.6 12.6 19.0

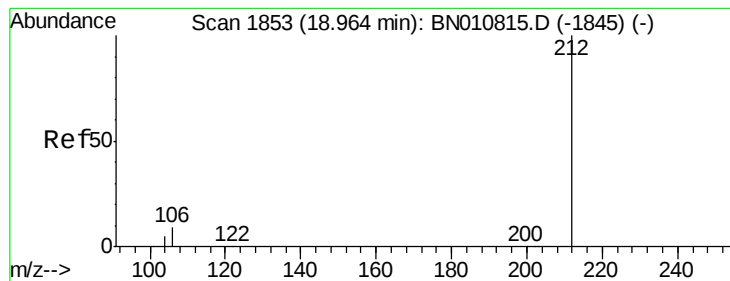


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.519 ng

RT: 18.95 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

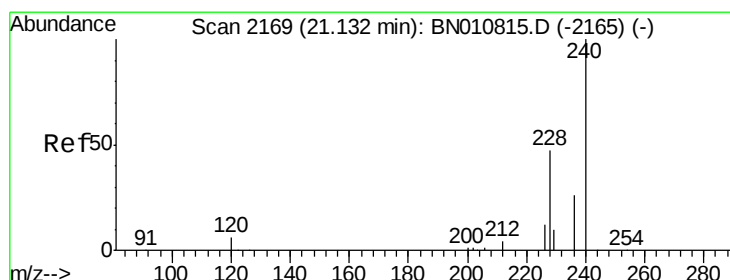
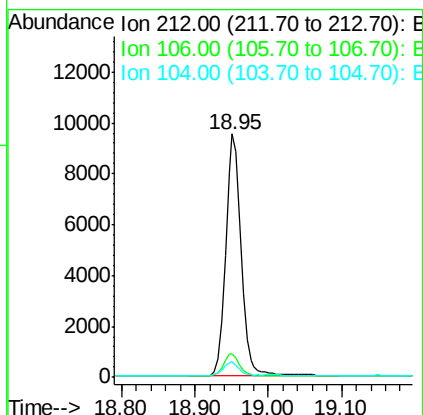
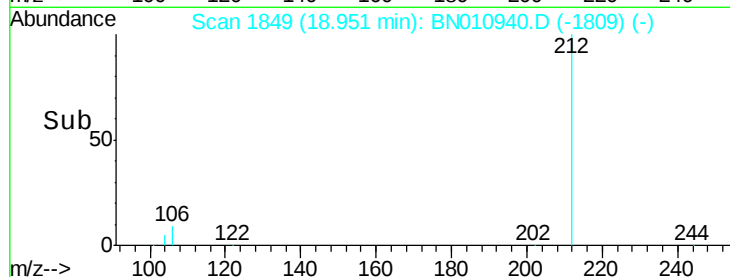
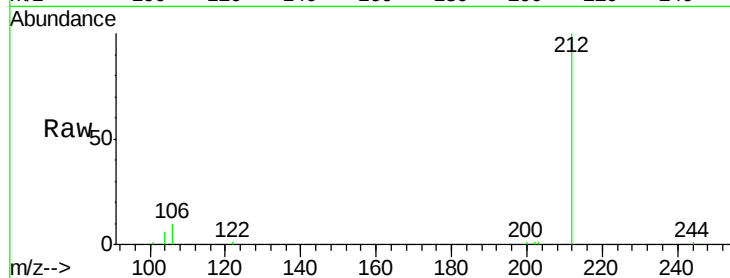
Tot Ion:212 Resp: 14110

Ion Ratio Lower Upper

212 100

106 9.3 6.6 10.0

104 5.4 4.0 6.0



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

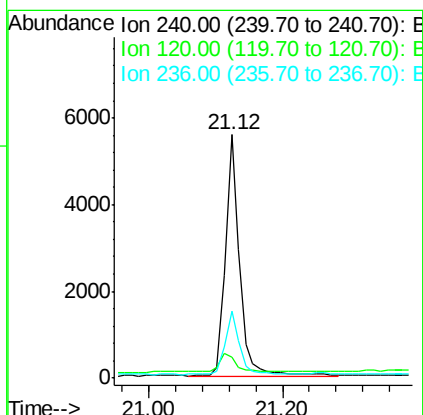
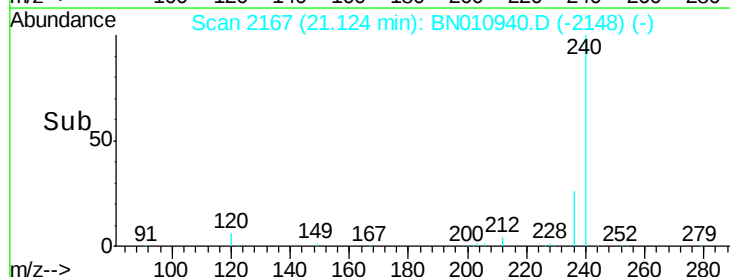
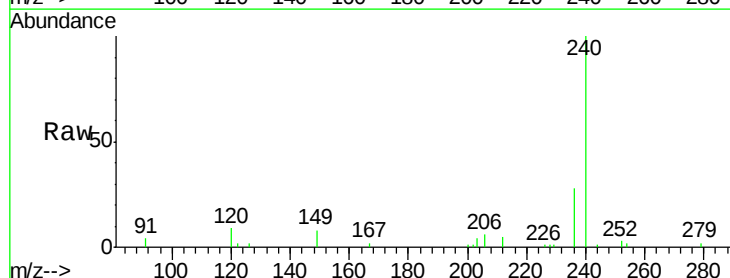
Tgt Ion:240 Resp: 8104

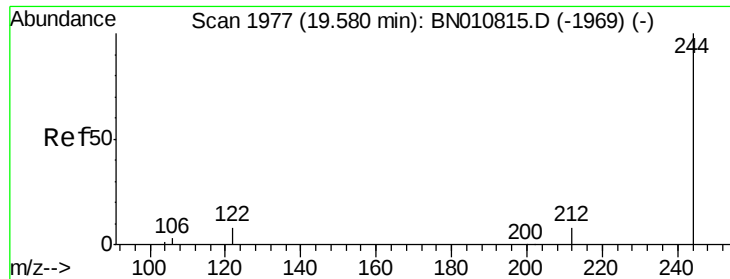
Ion Ratio Lower Upper

240 100

120 8.7 7.5 11.3

236 27.6 22.3 33.5





#29

Terphenyl-d14

Concen: 0.572 ng

RT: 19.57 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

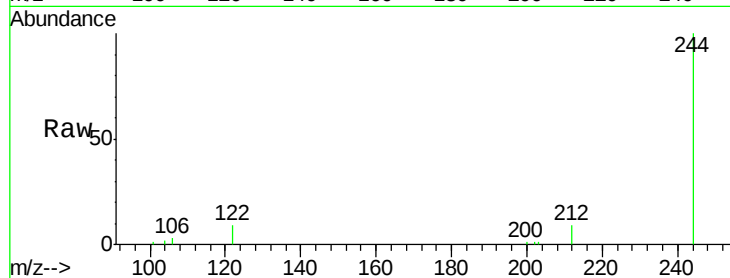
Tot Ion:244 Resp: 10848

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

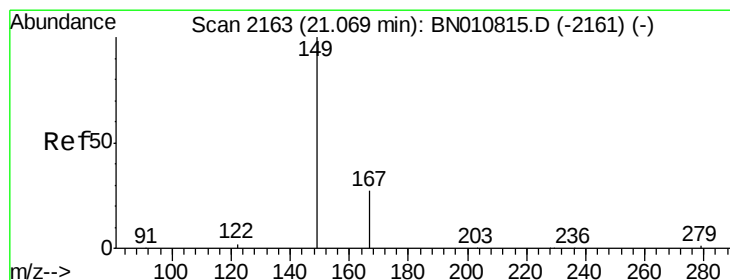
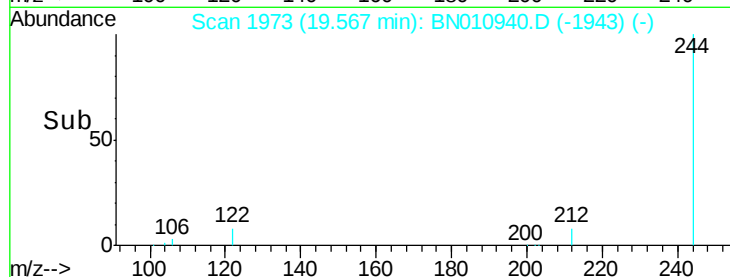
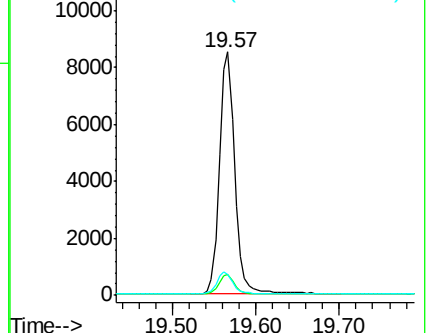
122 8.6 7.5 11.3



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: 0.167 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

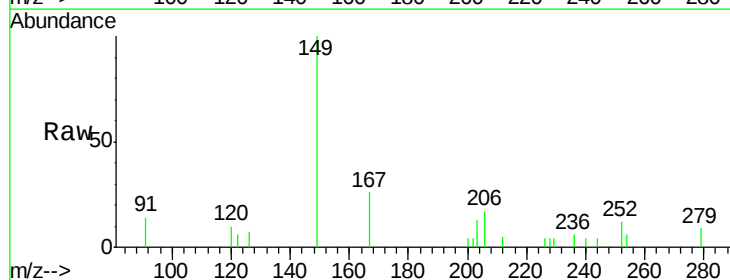
Tgt Ion:149 Resp: 1328

Ion Ratio Lower Upper

149 100

167 26.5 24.1 36.1

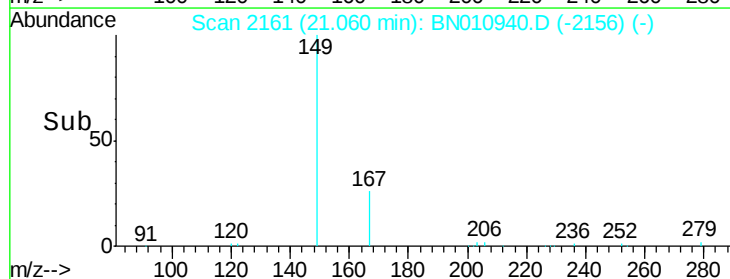
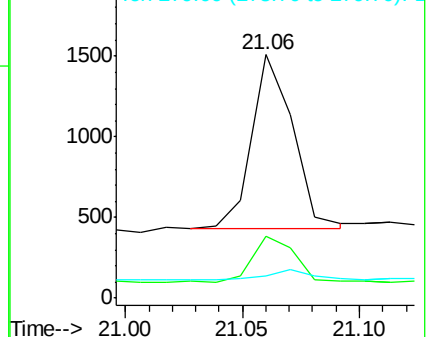
279 6.3 4.6 7.0

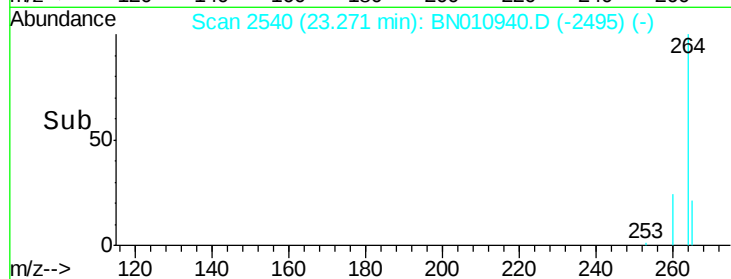
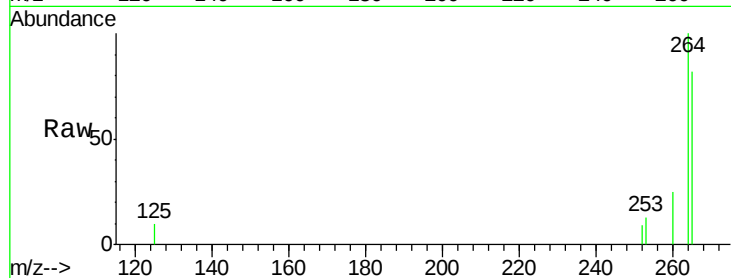
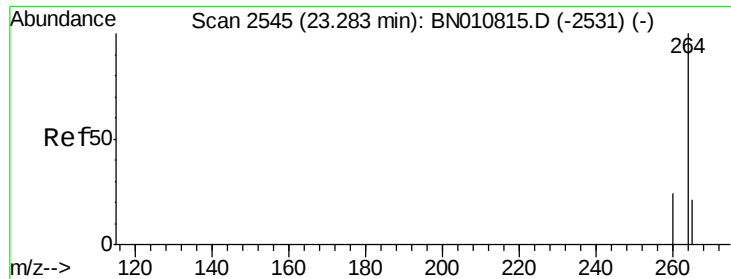


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.27 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BN010940.D

Acq: 17 Jun 2020 13:33

Instrument :

BNA_N

ClientSampleId :

RE117D1-20200611

Tot Ion: 264 Resp: 8138

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

265 82.0 75.0 112.4

