

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
 Data File : BN010888.D
 Acq On : 16 Jun 2020 03:12
 Operator : CG/JU
 Sample : L2989-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE105D2-20200609

Quant Time: Jun 16 04:26:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2687	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	9444	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	5394	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	10807	0.40	ng	0.00
27) Chrysene-d12	21.12	240	9225	0.40	ng	0.00
34) Perylene-d12	23.27	264	9478	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	924	0.18	ng	0.00
5) Phenol-d6	6.74	99	667	0.11	ng	0.00
8) Nitrobenzene-d5	8.68	82	2566	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	4896	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	586	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	8122	0.38	ng	0.00
25) Fluoranthene-d10	18.96	212	11226	0.38	ng	0.00
29) Terphenyl-d14	19.57	244	10342	0.48	ng	0.00

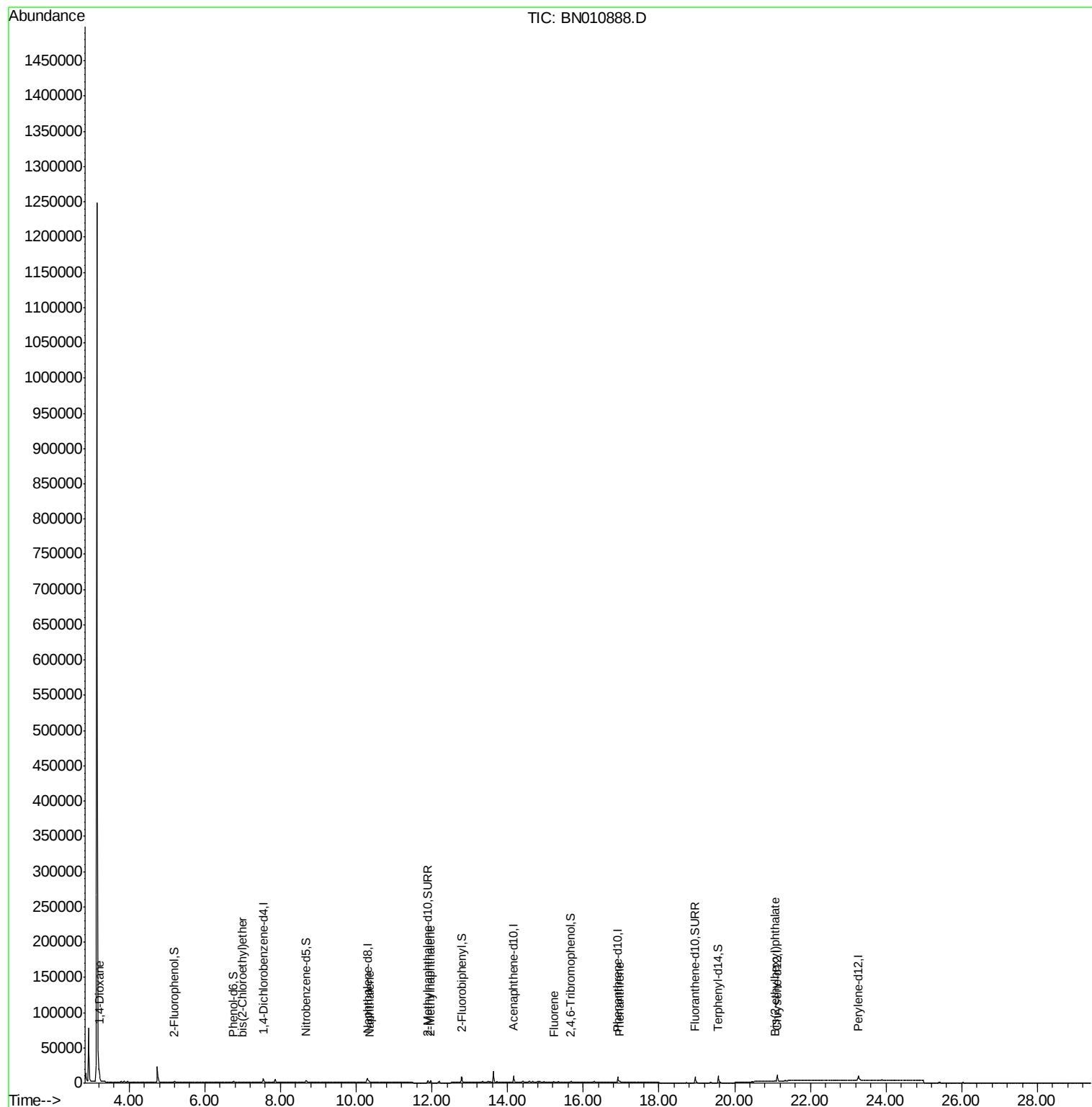
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	8375	3.182	ng	98
6) bis(2-Chloroethyl)ether	6.99	93	439	0.074	ng	95
9) Naphthalene	10.34	128	721	0.030	ng	# 72
12) 2-Methylnaphthalene	11.97	142	2775	0.175	ng	97
18) Fluorene	15.22	166	512	0.026	ng	# 90
23) Phenanthrene	16.96	178	1985	0.067	ng	96
32) Bis(2-ethylhexyl)phthalate	21.06	149	976	0.108	ng	94

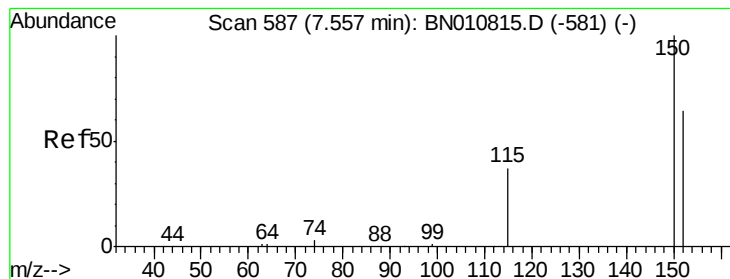
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.55 min Scan# 586

Delta R.T. 0.00 min

Lab File: BN010888.D

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BNA_N

ClientSampleId :

RE105D2-20200609

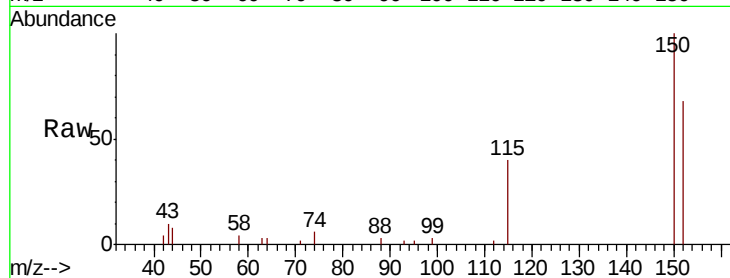
Tot Ion:152 Resp: 2687

Ion Ratio Lower Upper

152 100

150 146.6 123.8 185.6

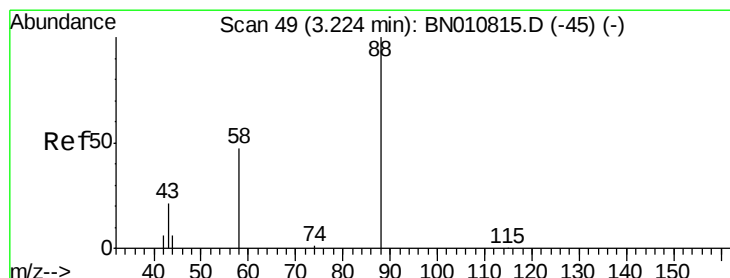
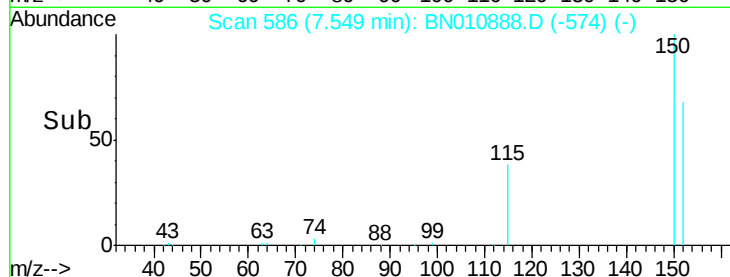
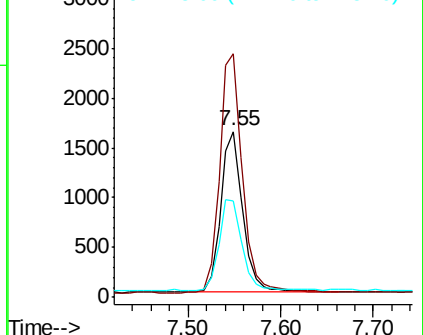
115 58.2 49.2 73.8



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: 3.182 ng

RT: 3.22 min Scan# 48

Delta R.T. -0.01 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

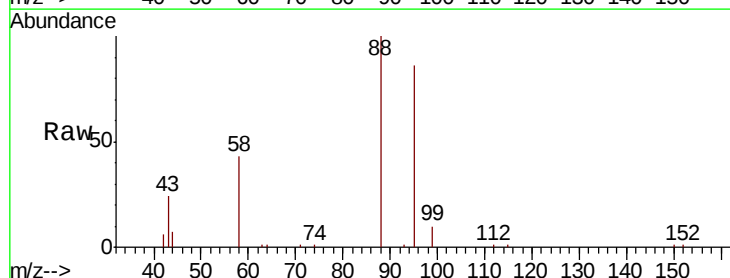
Tgt Ion: 88 Resp: 8375

Ion Ratio Lower Upper

88 100

58 45.6 38.2 57.4

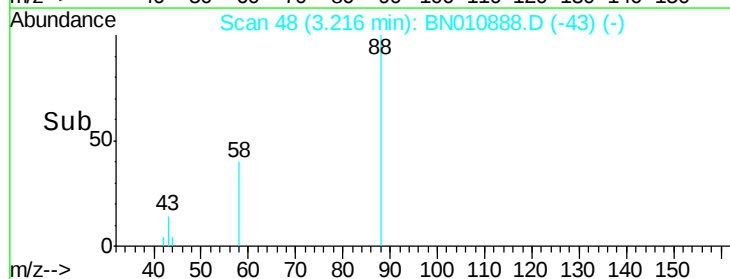
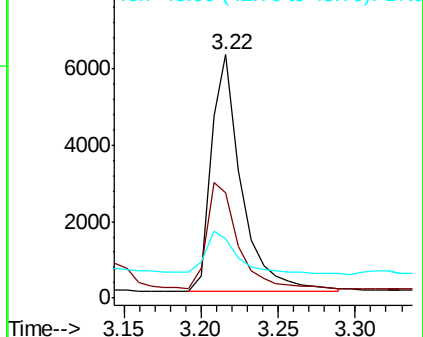
43 18.7 15.1 22.7

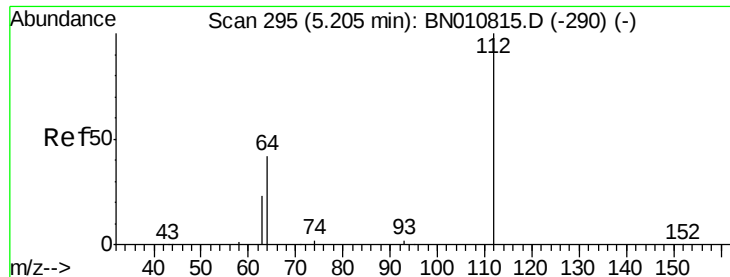


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.178 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

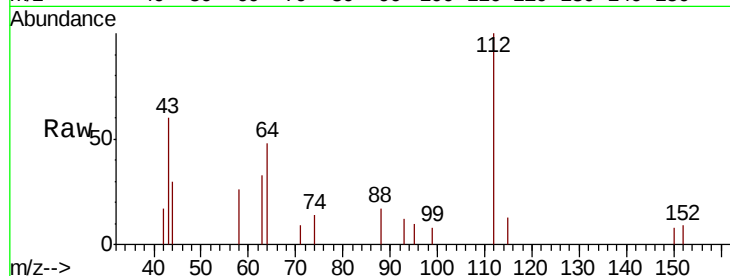
Tot Ion: 112 Resp: 924

Ion Ratio Lower Upper

112 100

64 46.4 37.4 56.0

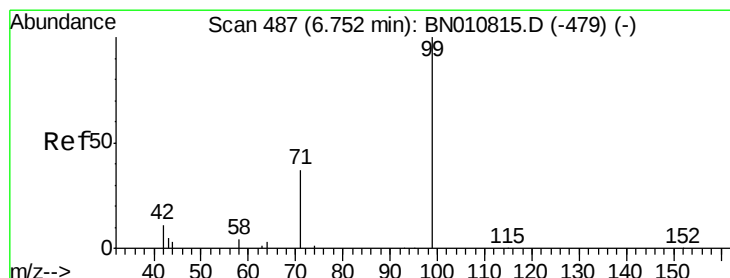
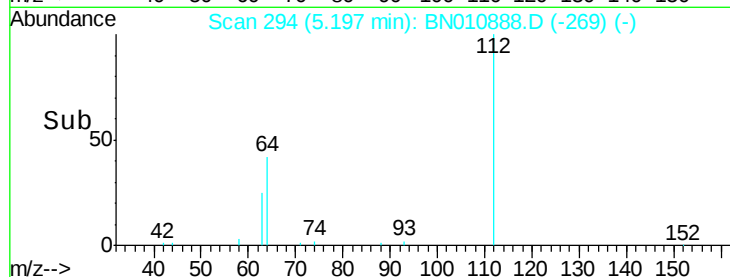
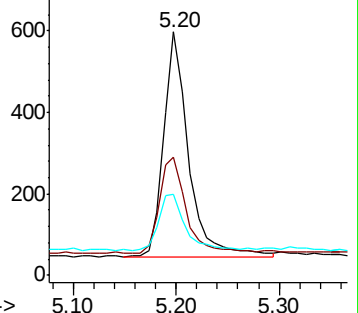
63 27.3 22.2 33.4



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

Phenol-d6

Concen: 0.109 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

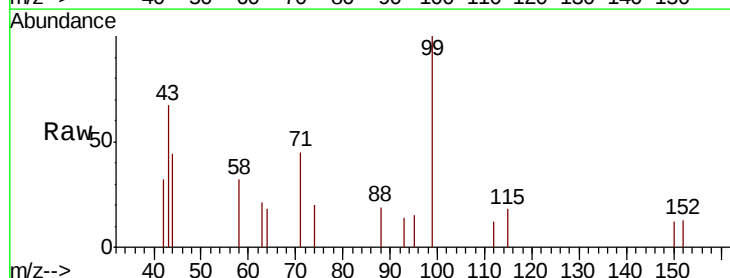
Tgt Ion: 99 Resp: 667

Ion Ratio Lower Upper

99 100

42 23.7 11.1 16.7#

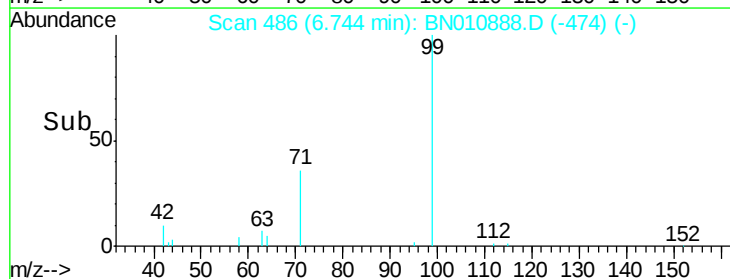
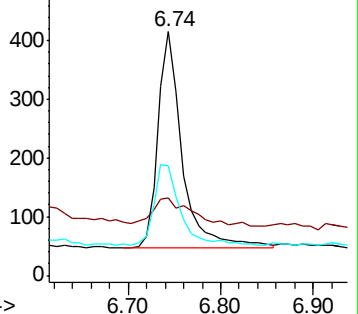
71 41.1 31.4 47.2

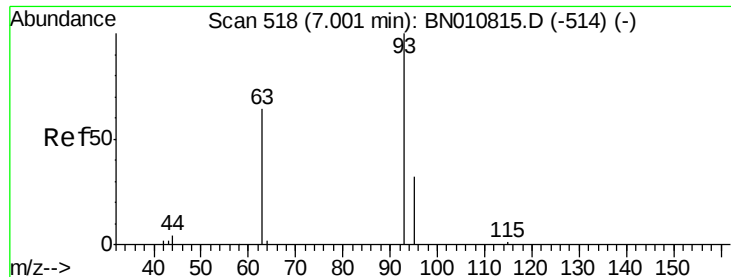


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.074 ng

RT: 6.99 min Scan# 517

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

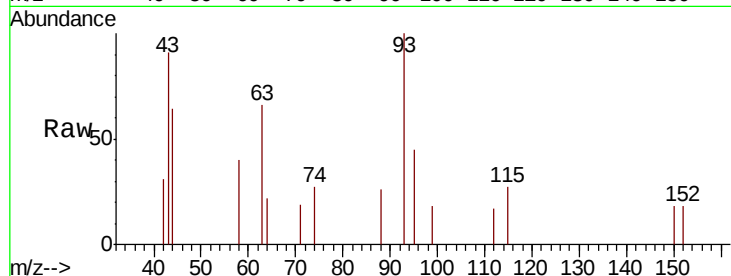
Tot Ion: 93 Resp: 439

Ion Ratio Lower Upper

93 100

63 57.9 49.4 74.2

95 31.2 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN010815.D (-514) (-)

6.99

300

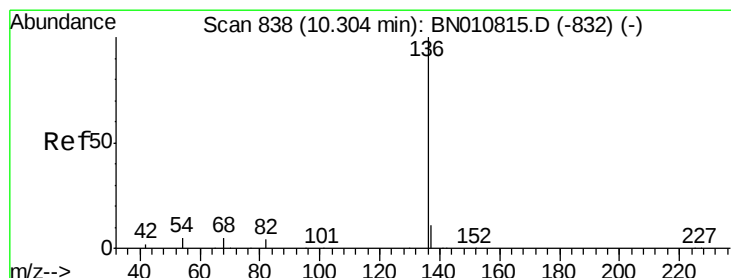
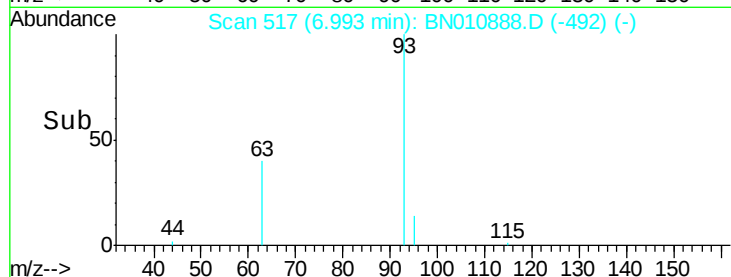
200

100

0

6.90 7.00 7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Tgt Ion:136 Resp: 9444

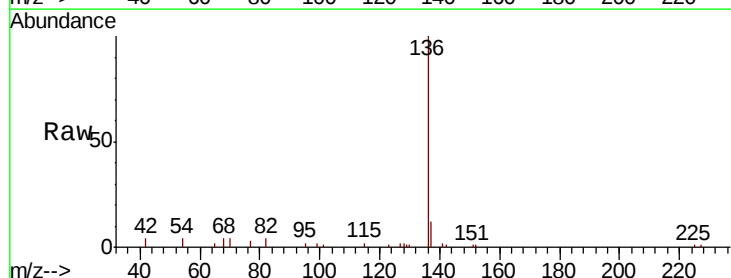
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 3.9 4.9 7.3#

68 4.5 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) (-)

10.30

6000

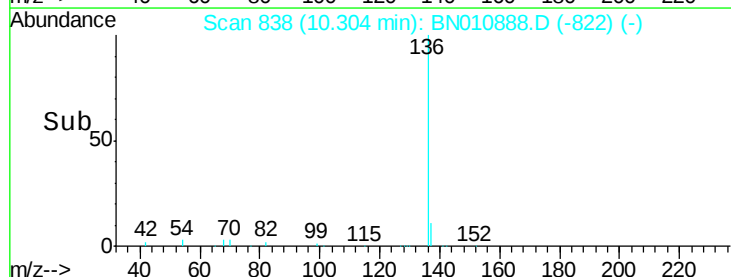
4000

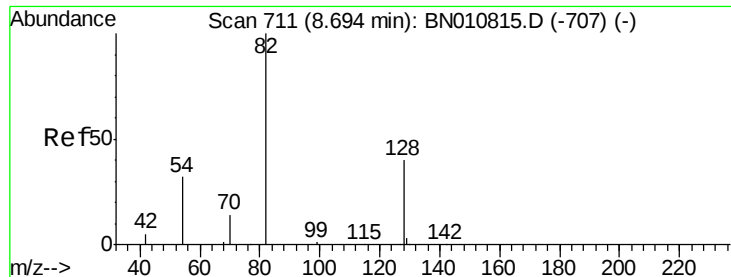
2000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.367 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

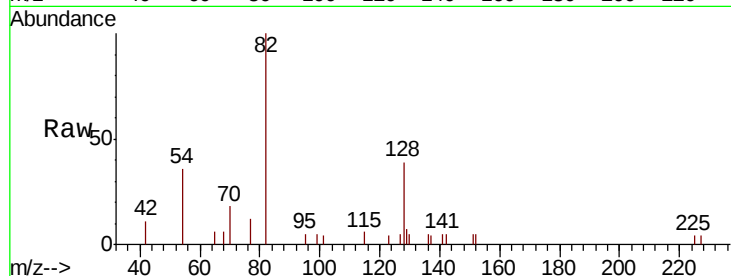
Tot Ion: 82 Resp: 2566

Ion Ratio Lower Upper

82 100

128 39.3 35.4 53.0

54 35.7 28.2 42.4

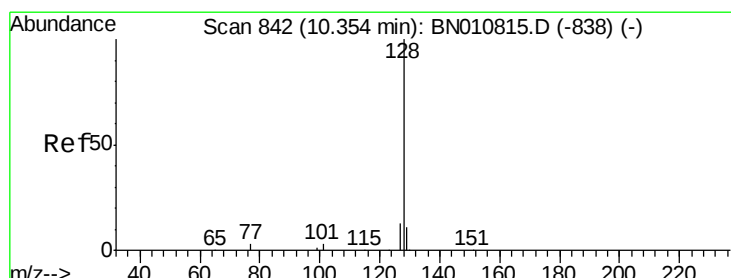
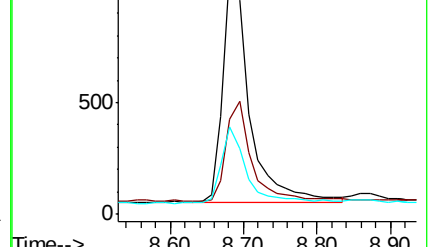
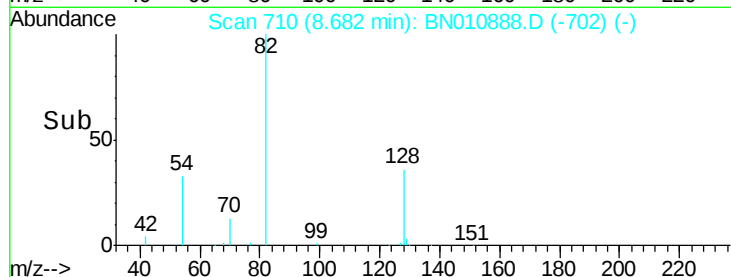


Abundance Ion 82.00 (81.70 to 82.70): BN010888.D (-702) (-)

Ion 128.00 (127.70 to 128.70): BN010888.D (-702) (-)

Ion 54.00 (53.70 to 54.70): BN010888.D (-702) (-)

Time-->



#9

Naphthalene

Concen: 0.030 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

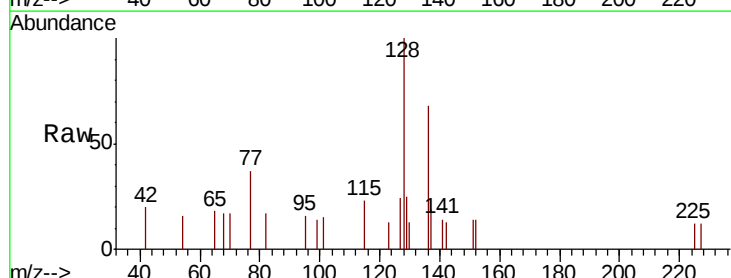
Tgt Ion: 128 Resp: 721

Ion Ratio Lower Upper

128 100

129 24.5 9.6 14.4#

127 24.3 11.4 17.2#

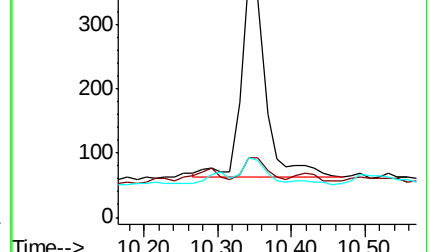
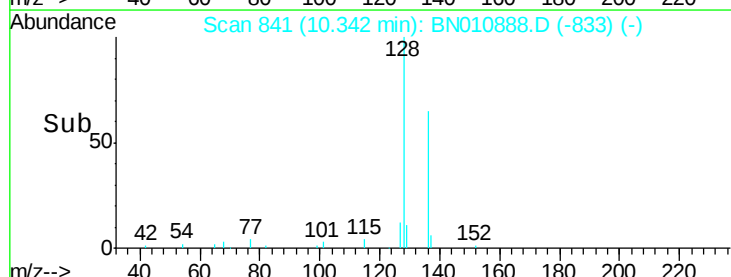


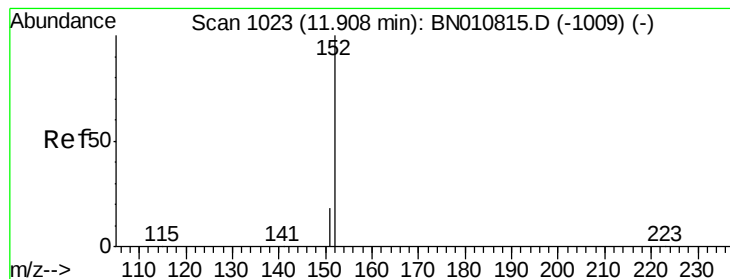
Abundance Ion 128.00 (127.70 to 128.70): BN010888.D (-833) (-)

Ion 129.00 (128.70 to 129.70): BN010888.D (-833) (-)

Ion 127.00 (126.70 to 127.70): BN010888.D (-833) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.334 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

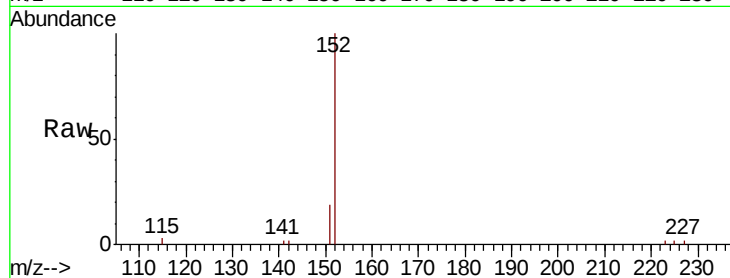
RE105D2-20200609

Tot Ion:152 Resp: 4896

Ion Ratio Lower Upper

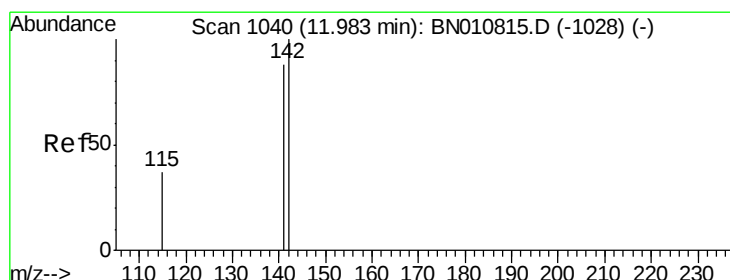
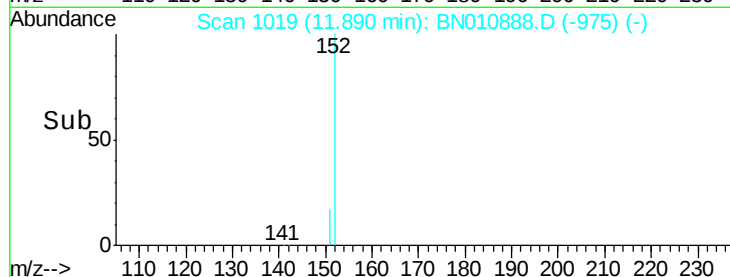
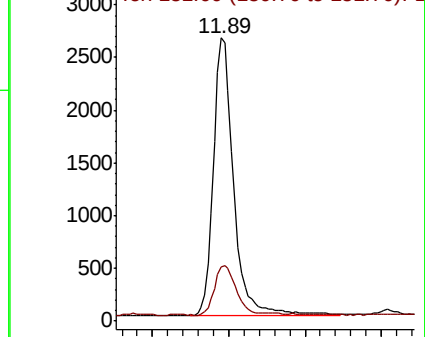
152 100

151 19.5 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: 0.175 ng

RT: 11.97 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

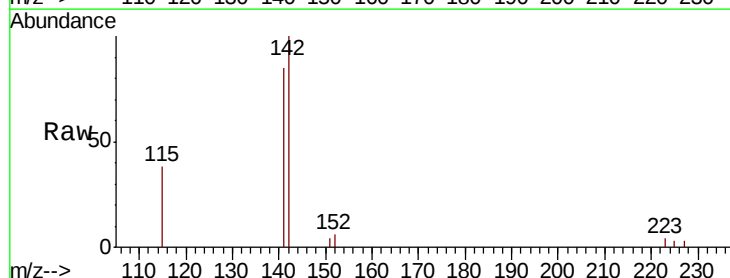
Tgt Ion:142 Resp: 2775

Ion Ratio Lower Upper

142 100

141 85.4 70.8 106.2

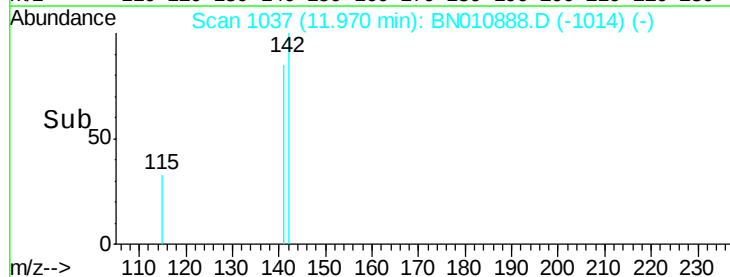
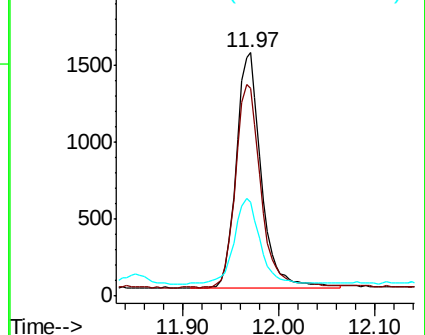
115 38.3 31.5 47.3

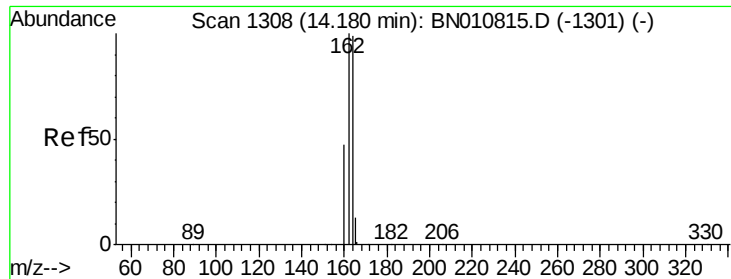


Abundance Ion 142.00 (141.70 to 142.70): E

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. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

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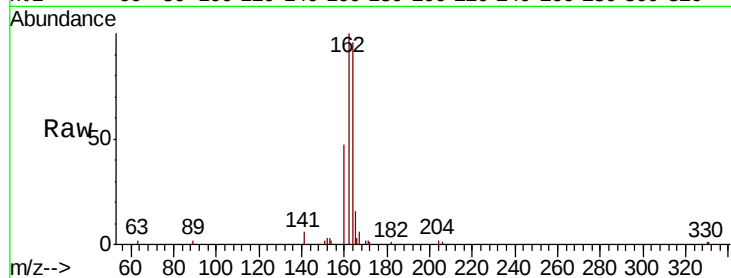
Tot Ion:164 Resp: 5394

Ion Ratio Lower Upper

164 100

162 104.5 81.0 121.6

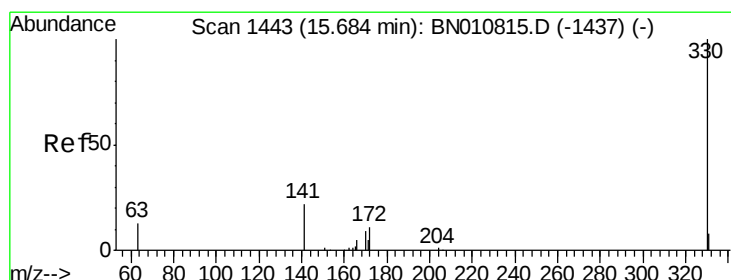
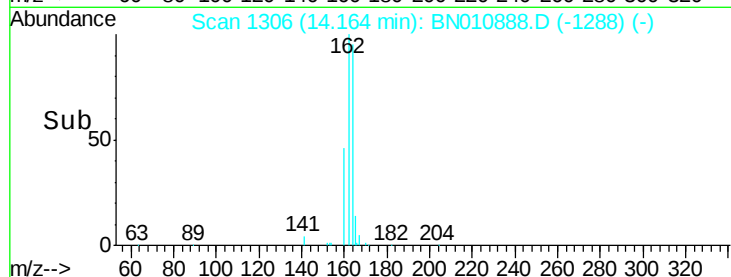
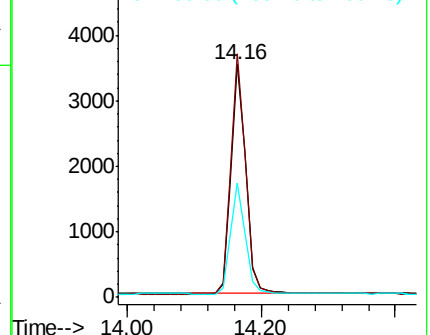
160 48.8 38.9 58.3



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: 0.304 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

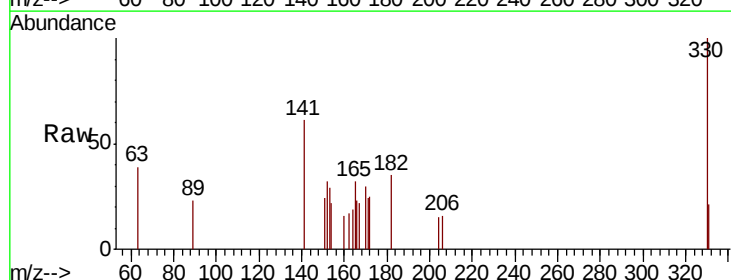
Tgt Ion:330 Resp: 586

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

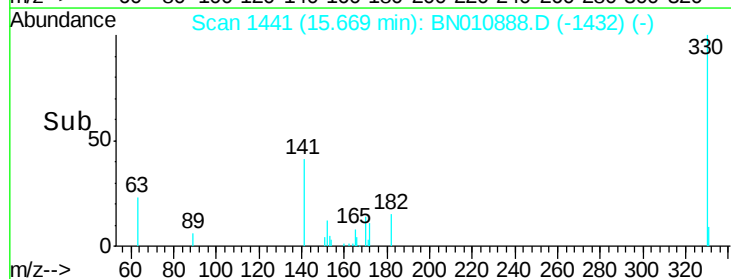
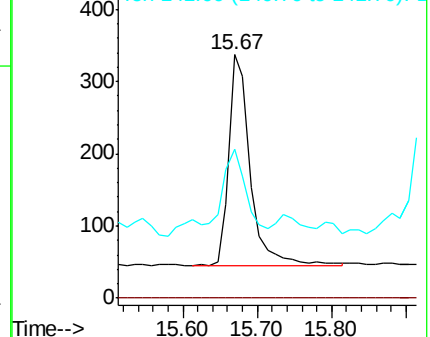
141 36.7 33.2 49.8

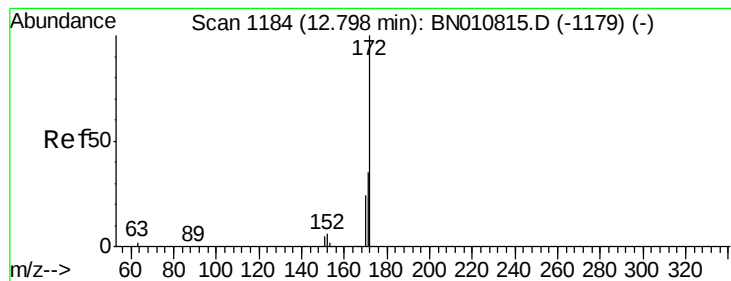


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

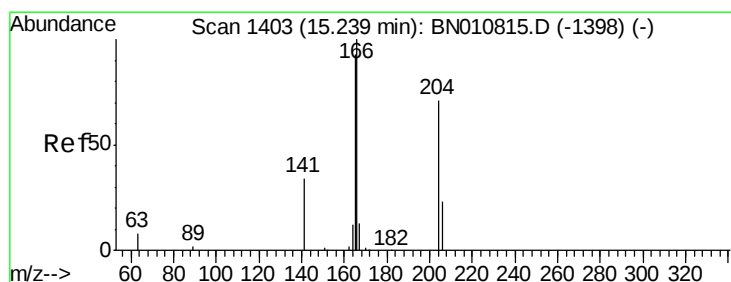
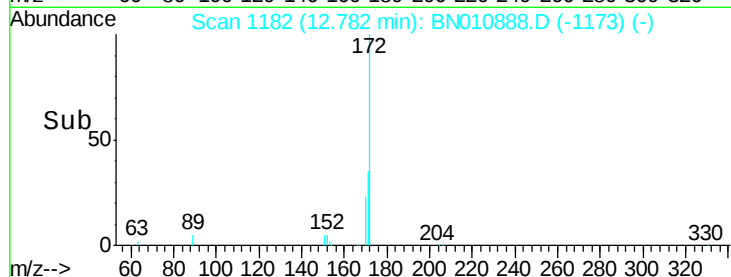
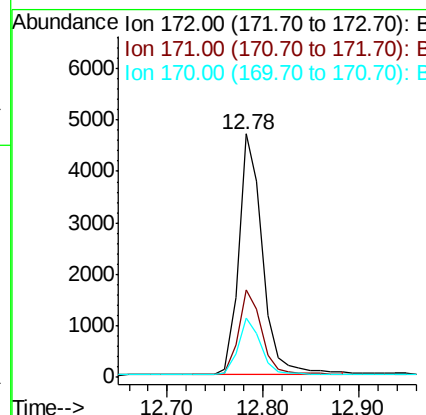
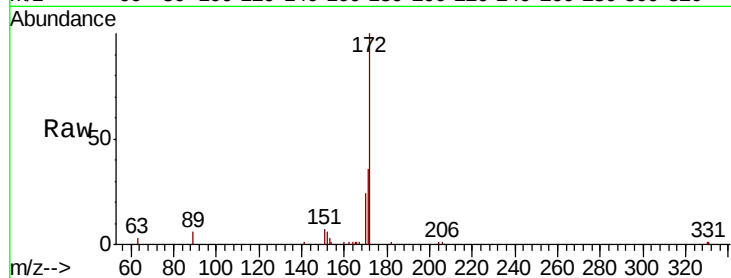




#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010888.D
Acq: 16 Jun 2020 03:12

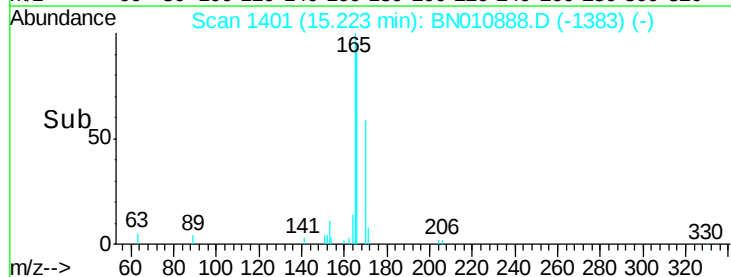
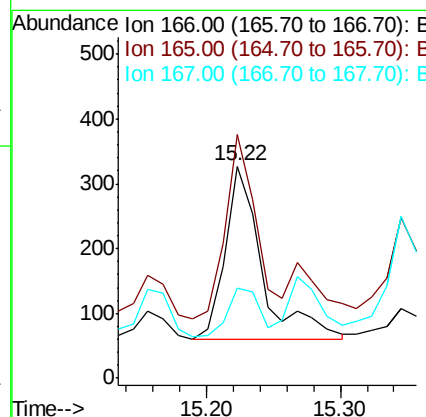
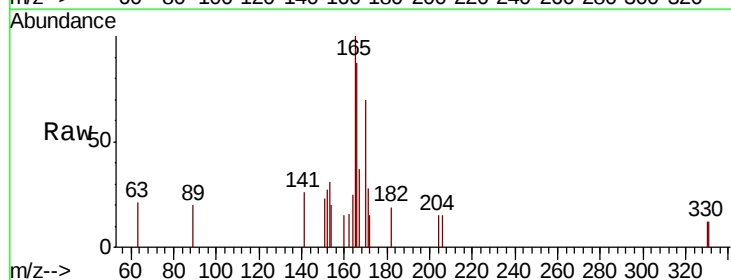
Instrument :
BNA_N
ClientSampleId :
RE105D2-20200609

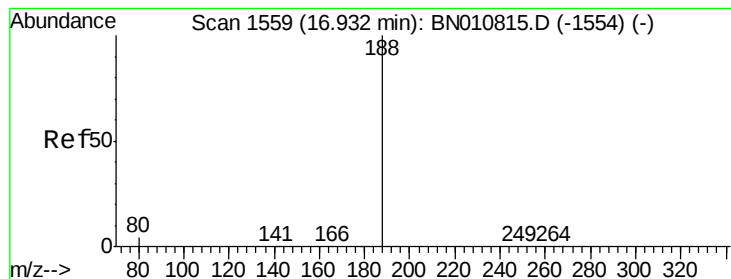
Tot Ion:172 Resp: 8122
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.2 19.7 29.5



#18
Fluorene
Concen: 0.026 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN010888.D
Acq: 16 Jun 2020 03:12

Tgt Ion:166 Resp: 512
Ion Ratio Lower Upper
166 100
165 88.5 77.2 115.8
167 23.8 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

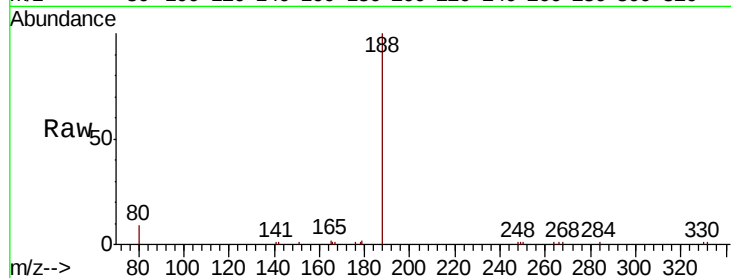
Tot Ion:188 Resp: 10807

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

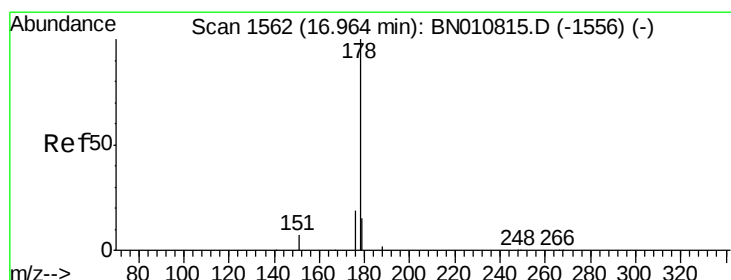
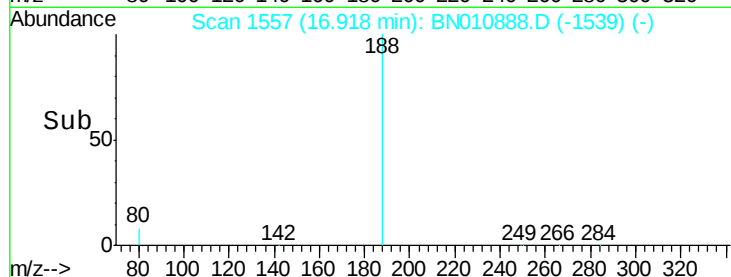
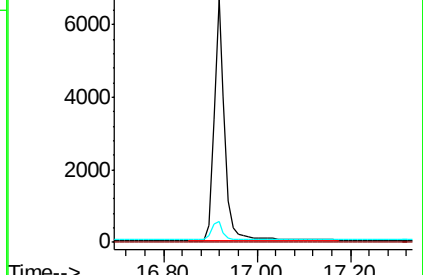
80 8.6 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#23

Phenanthrene

Concen: 0.067 ng

RT: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

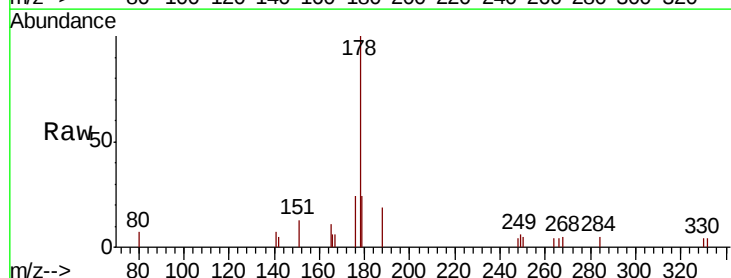
Tgt Ion:178 Resp: 1985

Ion Ratio Lower Upper

178 100

176 17.6 15.3 22.9

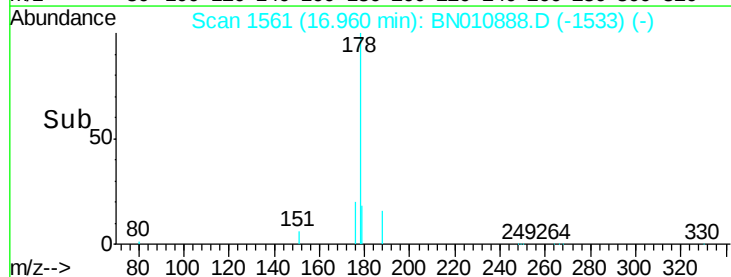
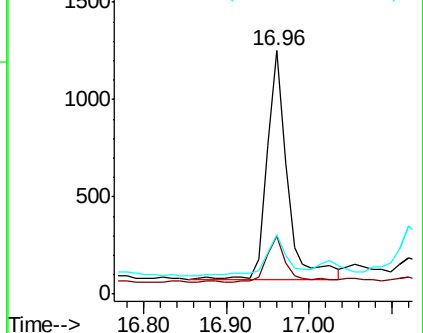
179 17.6 12.6 19.0

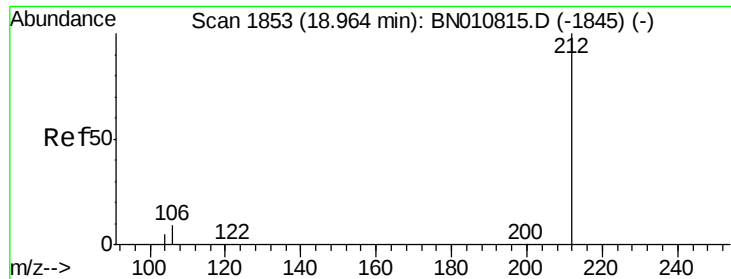


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 18.96 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

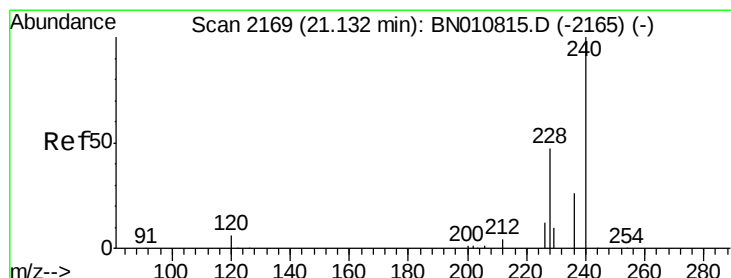
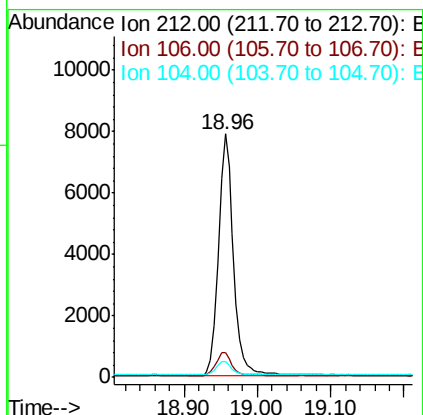
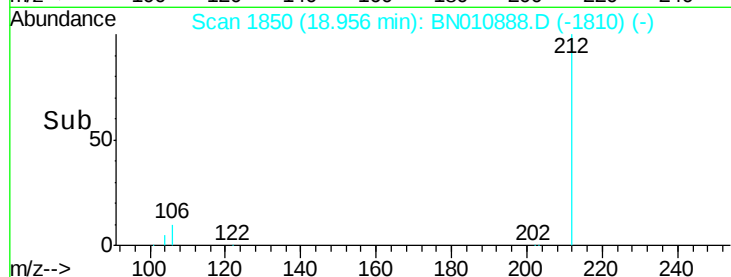
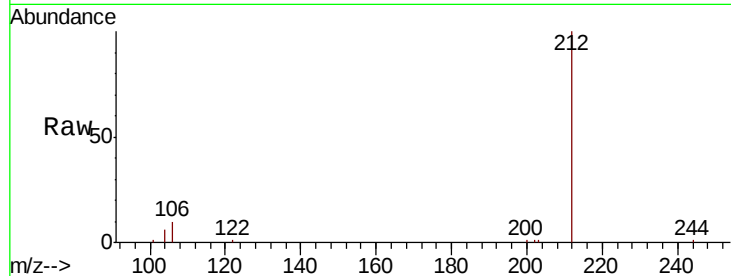
Tot Ion:212 Resp: 11226

Ion Ratio Lower Upper

212 100

106 9.6 6.6 10.0

104 5.7 4.0 6.0



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

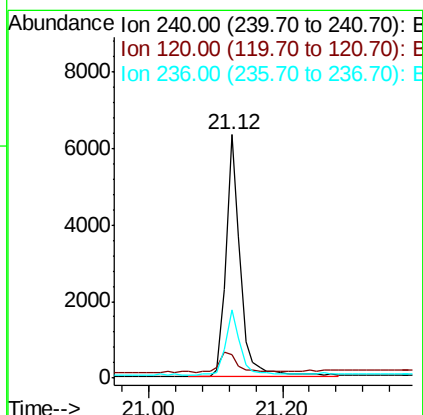
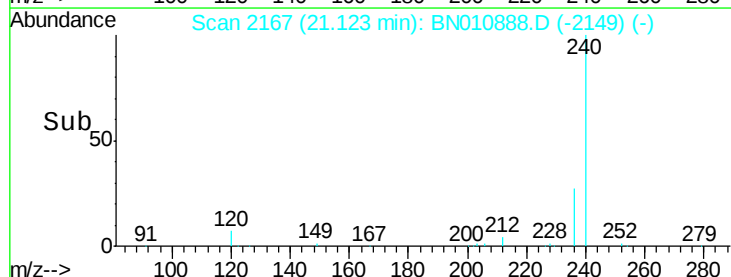
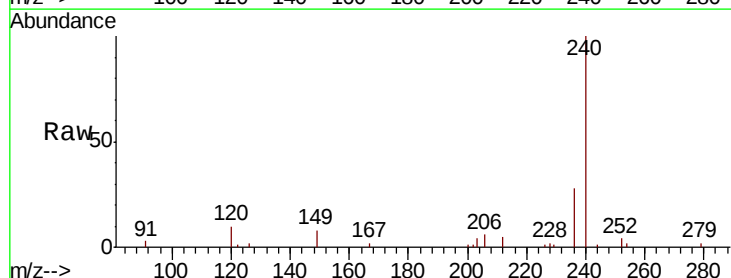
Tgt Ion:240 Resp: 9225

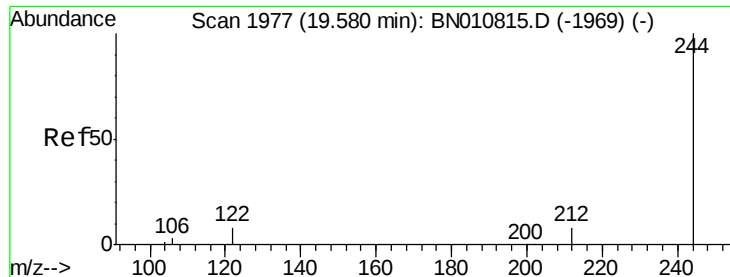
Ion Ratio Lower Upper

240 100

120 9.8 7.5 11.3

236 28.1 22.3 33.5





#29

Terphenyl-d14

Concen: 0.479 ng

RT: 19.57 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

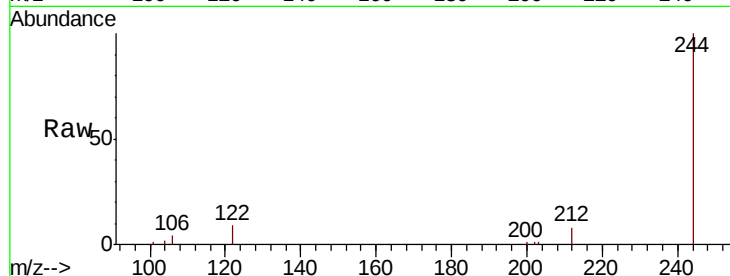
Tot Ion:244 Resp: 10342

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

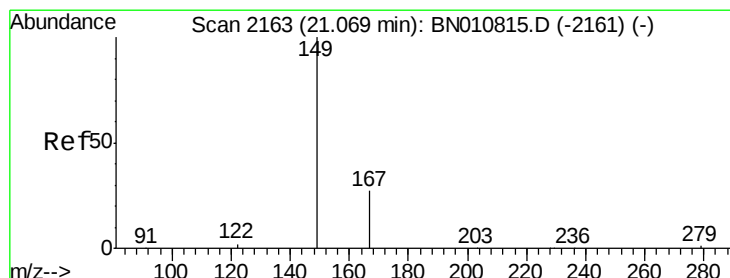
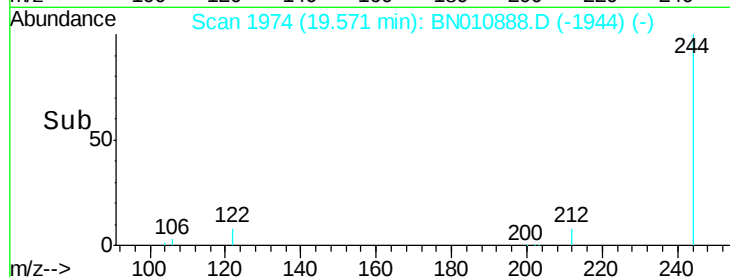
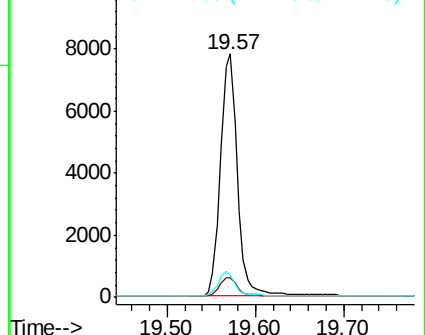
122 9.2 7.5 11.3



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: 0.108 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN010888.D

Acq: 16 Jun 2020 03:12

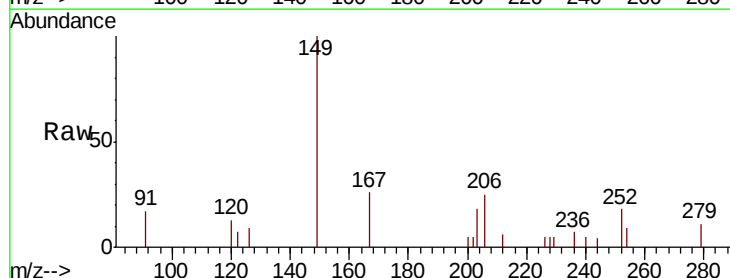
Tgt Ion:149 Resp: 976

Ion Ratio Lower Upper

149 100

167 26.2 24.1 36.1

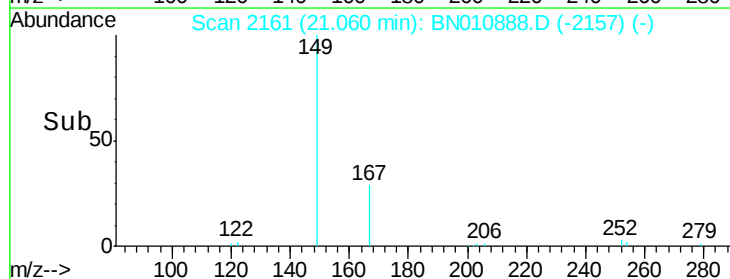
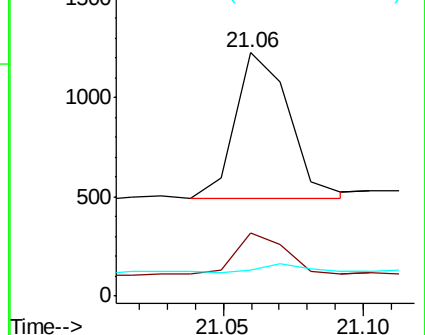
279 5.3 4.6 7.0

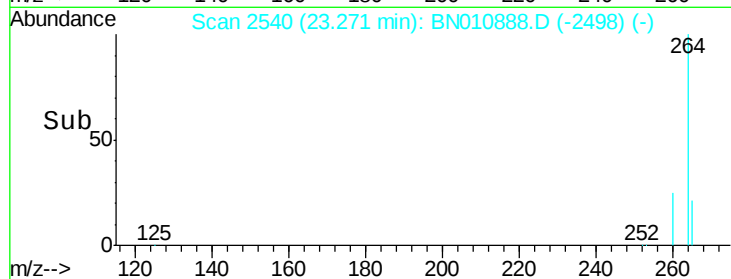
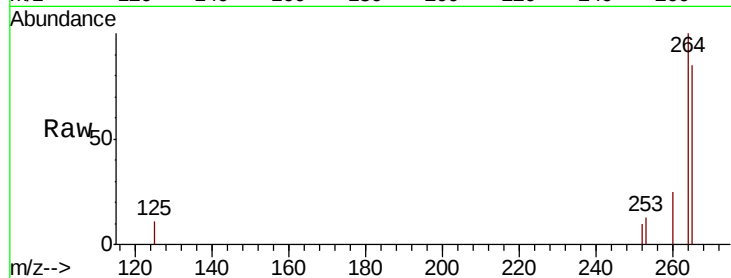
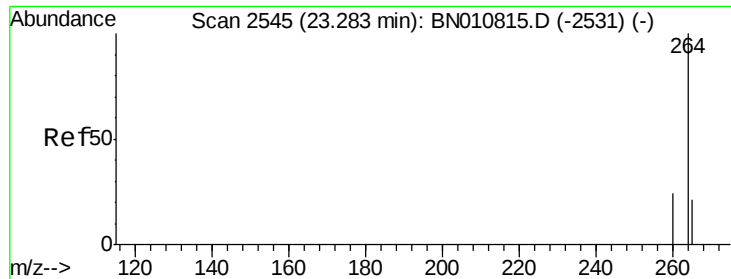


Abundance Ion 149.00 (148.70 to 149.70): E

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: BN010888.D

Acq: 16 Jun 2020 03:12

Instrument :

BNA_N

ClientSampleId :

RE105D2-20200609

Tot Ion:264 Resp: 9478

Ion Ratio Lower Upper

264 100

260 25.4 20.4 30.6

265 84.9 75.0 112.4

