

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
 Data File : BN010889.D
 Acq On : 16 Jun 2020 03:48
 Operator : CG/JU
 Sample : L2989-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 16 04:26:30 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	2510	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	8836	0.40	ng	0.00
13) Acenaphthene-d10	14.17	164	5126	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	10017	0.40	ng	0.00
27) Chrysene-d12	21.12	240	9068	0.40	ng	-0.01
34) Perylene-d12	23.27	264	9332	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	791	0.16	ng	0.00
5) Phenol-d6	6.74	99	525	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2359	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	4452	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	607	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	7433	0.37	ng	0.00
25) Fluoranthene-d10	18.95	212	11234	0.41	ng	0.00
29) Terphenyl-d14	19.57	244	10445	0.49	ng	0.00

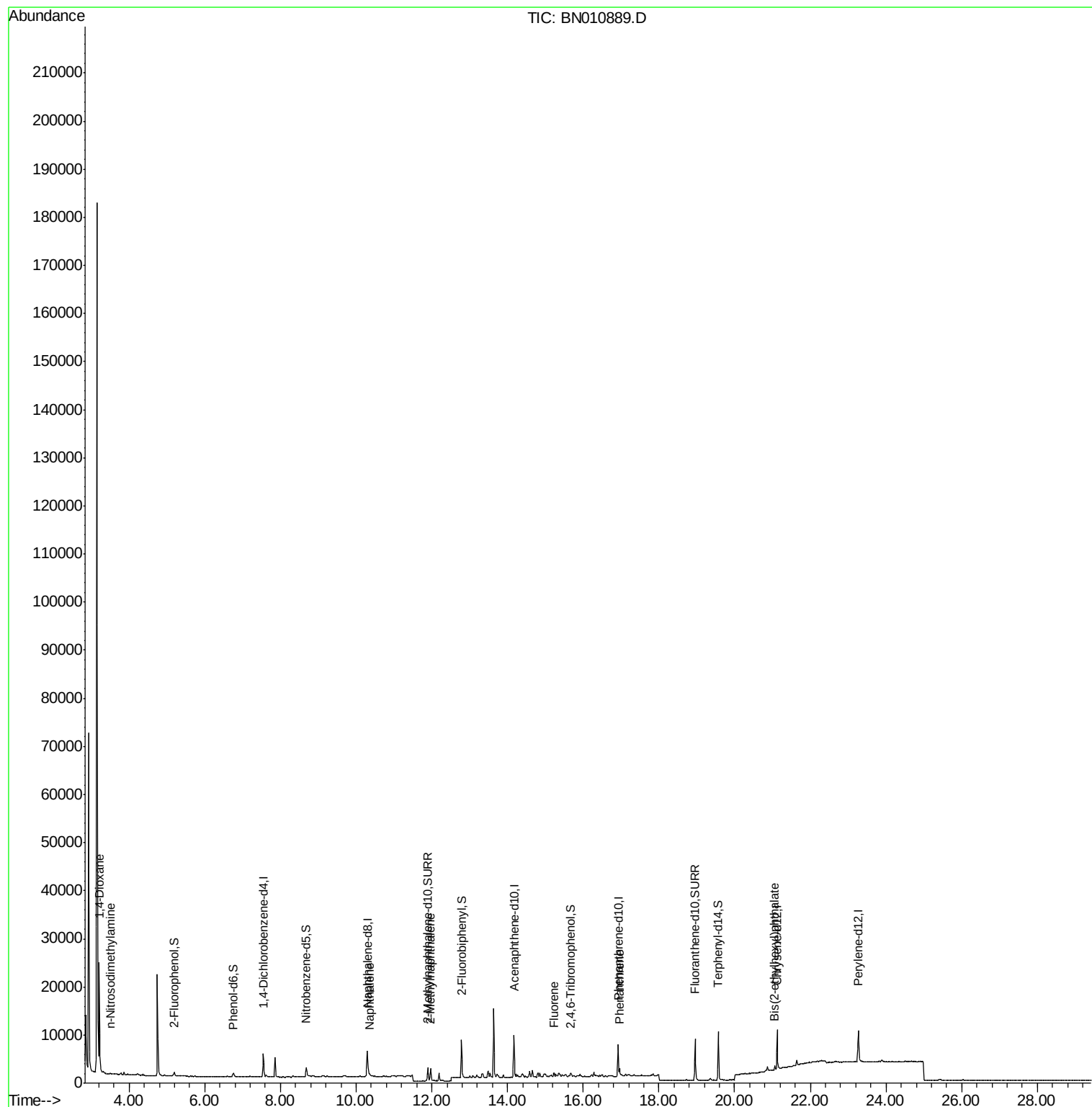
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	16760	6.817	ng	97
3) n-Nitrosodimethylamine	3.51	42	42	0.029	ng	# 1
9) Naphthalene	10.34	128	494	0.022	ng	# 62
12) 2-Methylnaphthalene	11.97	142	2046	0.138	ng	97
18) Fluorene	15.23	166	452	0.024	ng	# 94
23) Phenanthrene	16.96	178	1804	0.066	ng	96
32) Bis(2-ethylhexyl)phthalate	21.06	149	986	0.111	ng	# 92

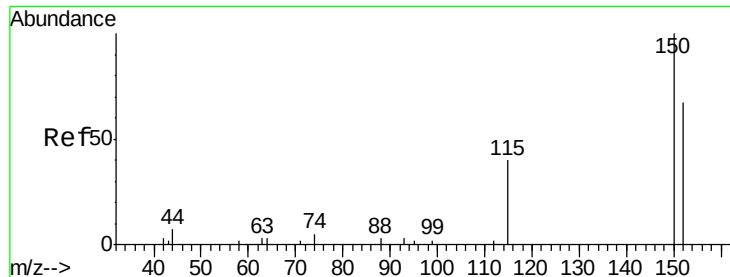
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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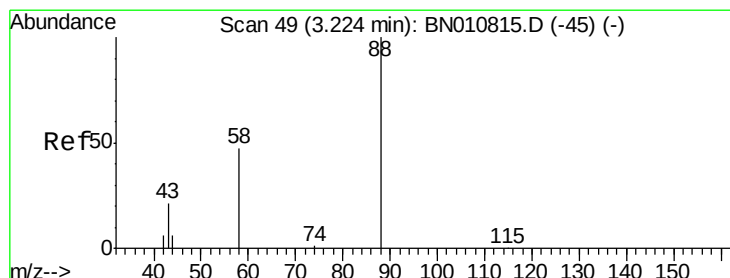
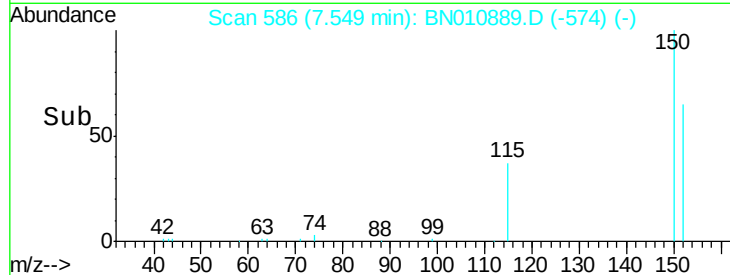
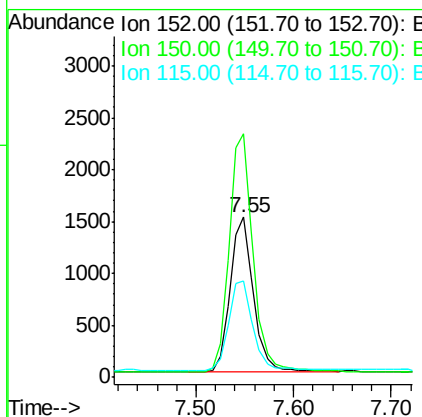
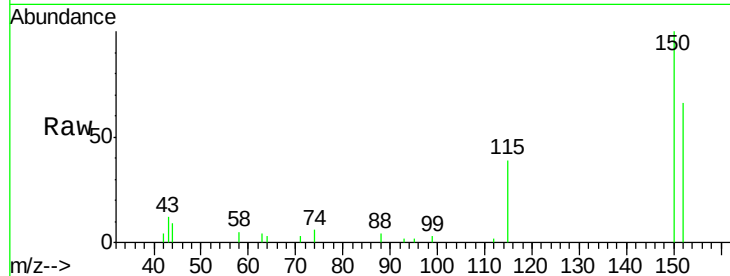




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.55 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: BN010889.D
 Acq: 16 Jun 2020 03:48

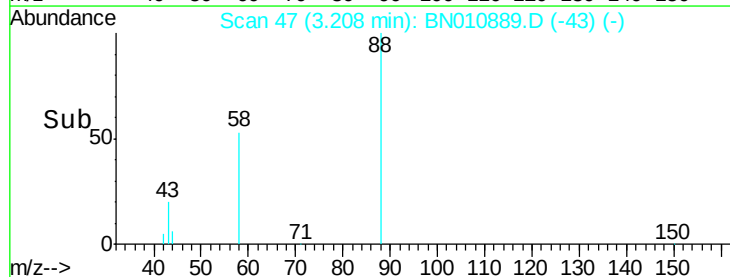
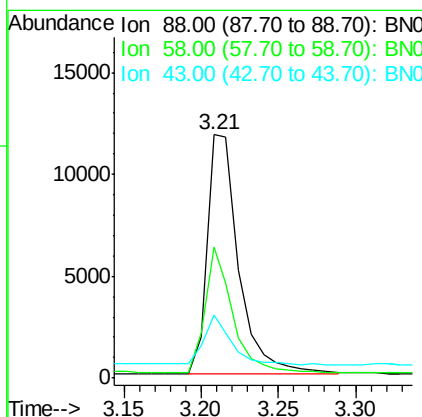
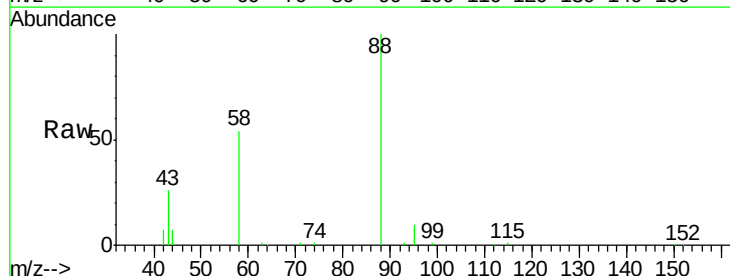
Instrument :
 BNA_N
 ClientSampleId :

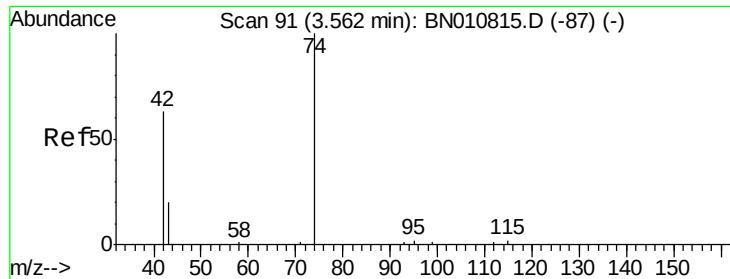
Tot Ion:152 Resp: 2510
 Ion Ratio Lower Upper
 152 100
 150 152.0 123.8 185.6
 115 59.8 49.2 73.8



#2
 1,4-Dioxane
 Concen: 6.817 ng
 RT: 3.21 min Scan# 47
 Delta R.T. -0.02 min
 Lab File: BN010889.D
 Acq: 16 Jun 2020 03:48

Tgt Ion: 88 Resp: 16760
 Ion Ratio Lower Upper
 88 100
 58 45.4 38.2 57.4
 43 17.8 15.1 22.7



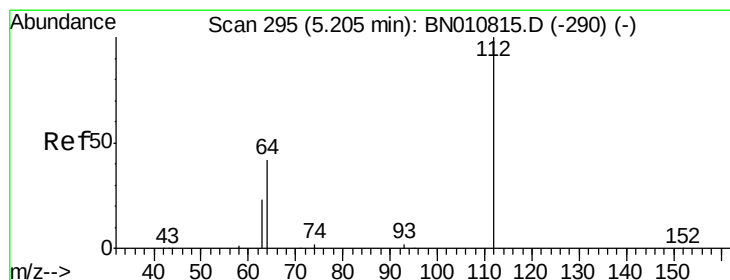
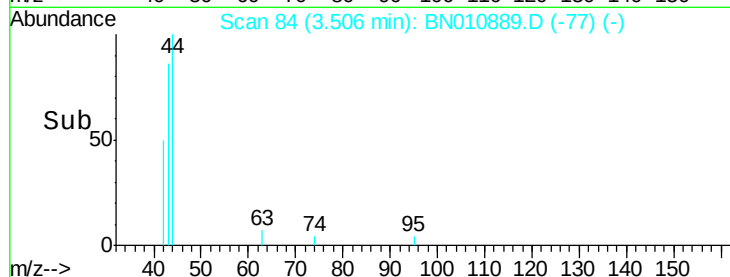
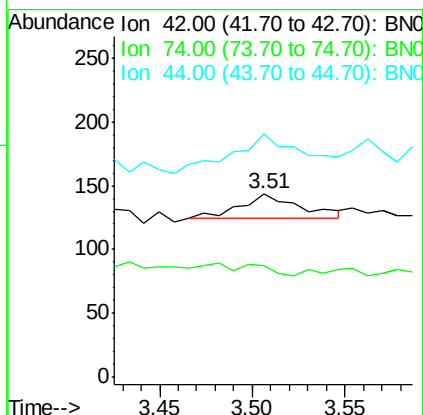
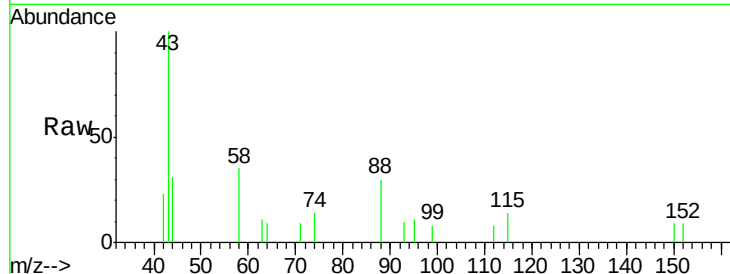


#3

n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 3.51 min Scan# 84
 Delta R.T. -0.04 min
 Lab File: BN010889.D
 Acq: 16 Jun 2020 03:48

Instrument :
 BNA_N
 ClientSampleId :

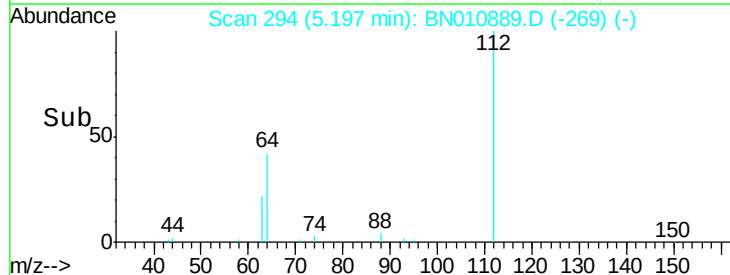
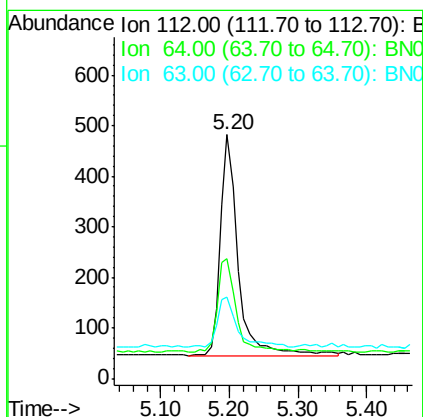
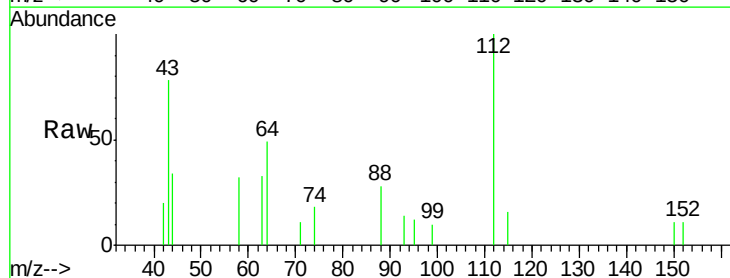
Tot Ion: 42 Resp: 42
 Ion Ratio Lower Upper
 42 100
 74 0.0 140.7 211.1#
 44 111.9 1.4 2.2#

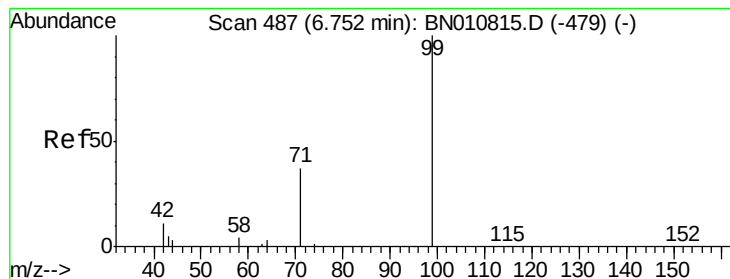


#4

2-Fluorophenol
 Concen: 0.163 ng
 RT: 5.20 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: BN010889.D
 Acq: 16 Jun 2020 03:48

Tgt Ion: 112 Resp: 791
 Ion Ratio Lower Upper
 112 100
 64 44.5 37.4 56.0
 63 26.9 22.2 33.4





#5

Phenol-d6

Concen: 0.092 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampleId :

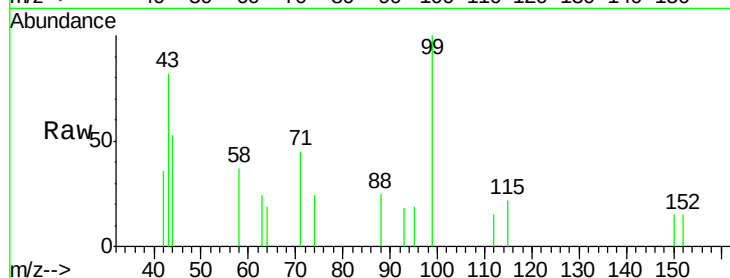
Tot Ion: 99 Resp: 525

Ion Ratio Lower Upper

99 100

42 18.3 11.1 16.7#

71 41.3 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) (-)

6.74

400

300

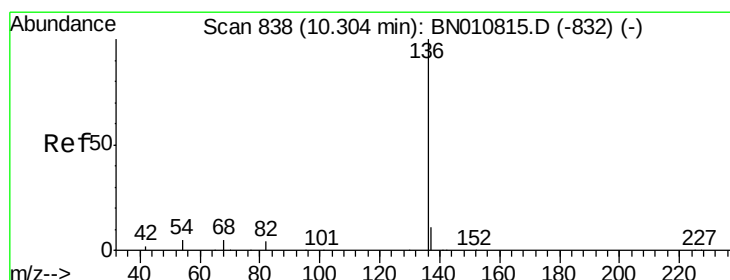
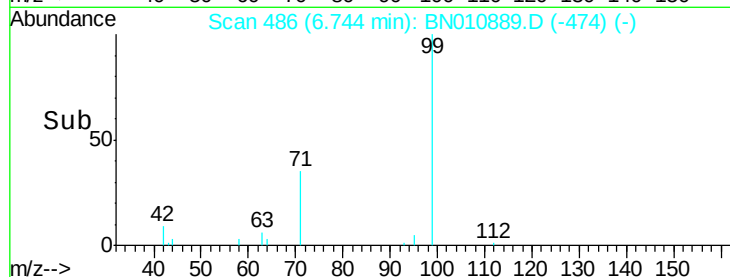
200

100

0

6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Tgt Ion: 136 Resp: 8836

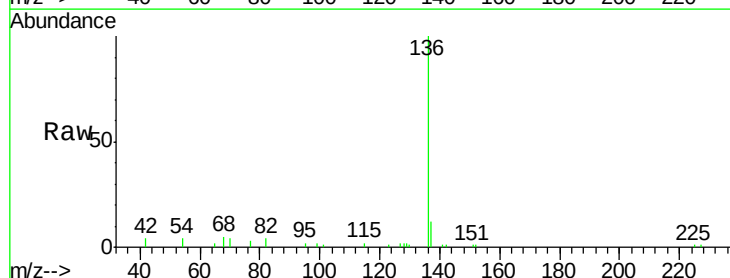
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 4.2 4.9 7.3#

68 4.8 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

5000

4000

3000

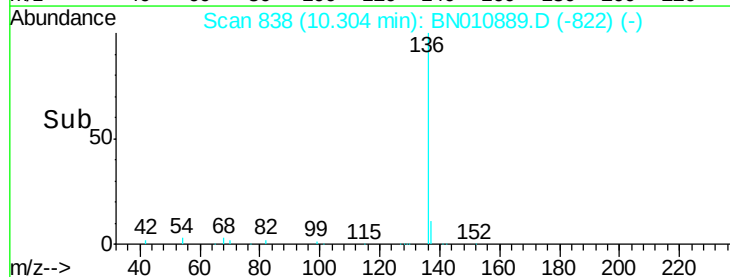
2000

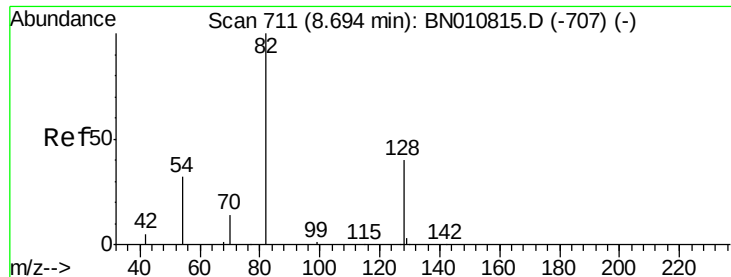
1000

0

10.20 10.30 10.40 10.50

Time-->





#8

Nitrobenzene-d5

Concen: 0.361 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampleId :

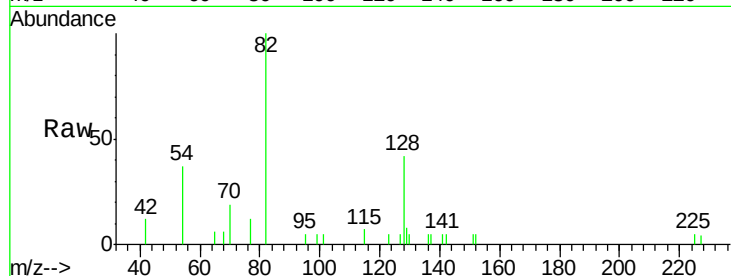
Tot Ion: 82 Resp: 2359

Ion Ratio Lower Upper

82 100

128 41.7 35.4 53.0

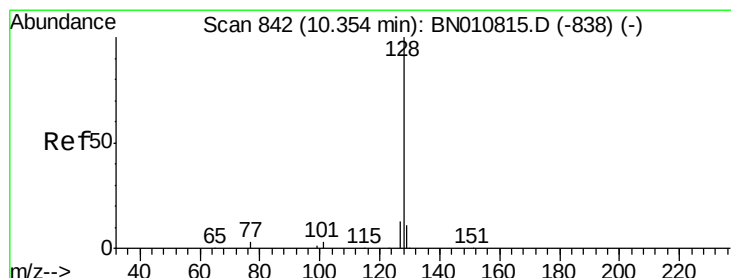
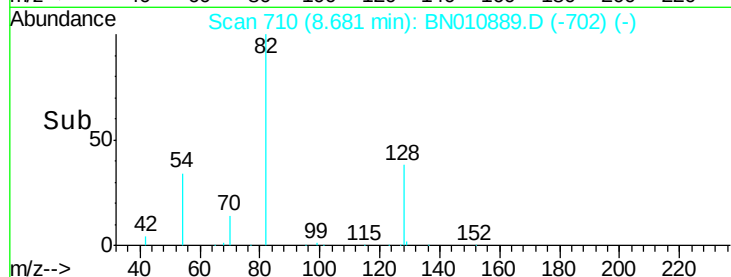
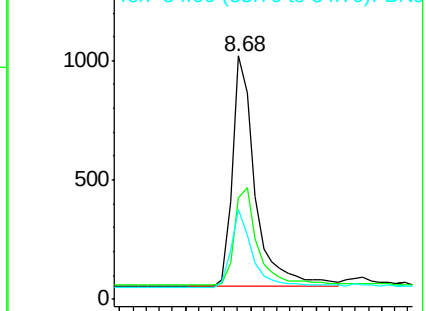
54 36.8 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010889.D (-702) (-)

Ion 128.00 (127.70 to 128.70): BN010889.D (-702) (-)

Ion 54.00 (53.70 to 54.70): BN010889.D (-702) (-)



#9

Naphthalene

Concen: 0.022 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

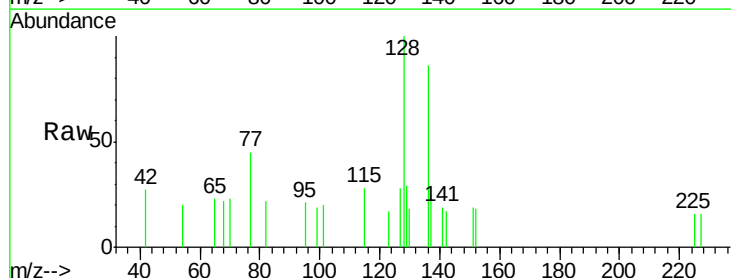
Tgt Ion: 128 Resp: 494

Ion Ratio Lower Upper

128 100

129 28.9 9.6 14.4#

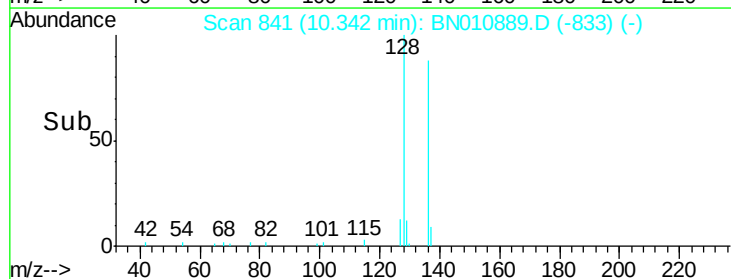
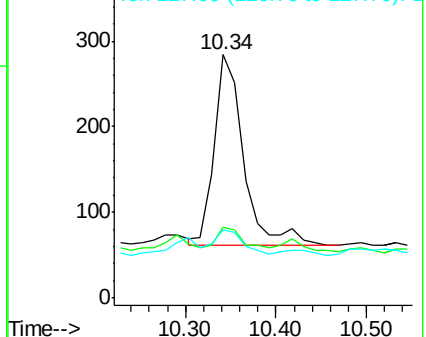
127 27.8 11.4 17.2#

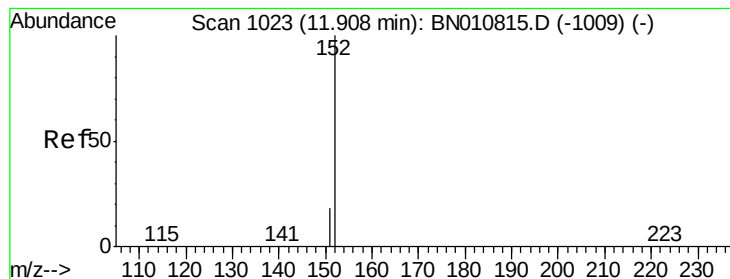


Abundance Ion 128.00 (127.70 to 128.70): BN010889.D (-833) (-)

Ion 129.00 (128.70 to 129.70): BN010889.D (-833) (-)

Ion 127.00 (126.70 to 127.70): BN010889.D (-833) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.325 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

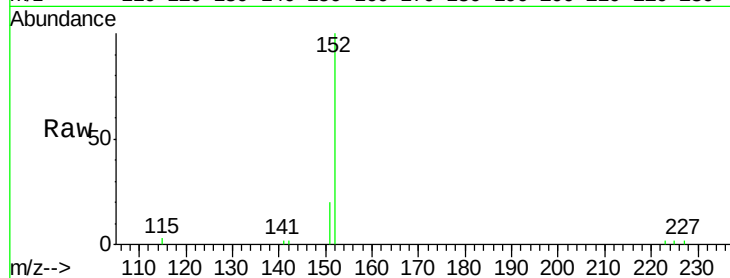
ClientSampleId :

Tot Ion:152 Resp: 4452

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

2500

2000

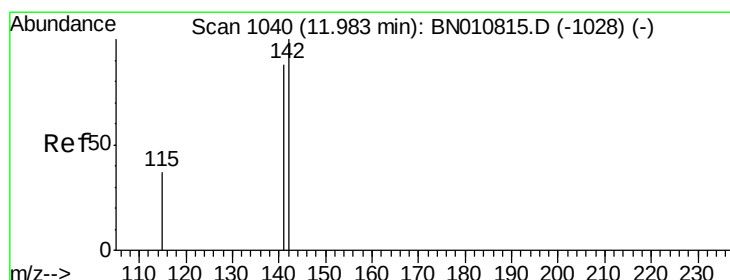
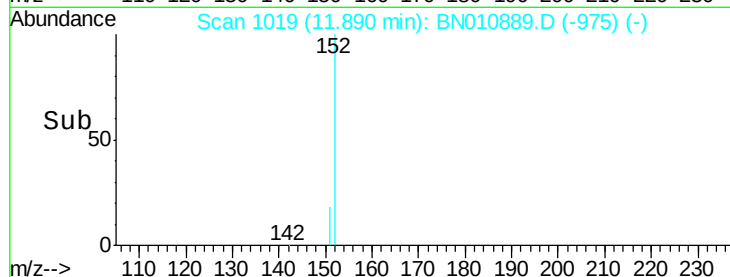
1500

1000

500

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.138 ng

RT: 11.97 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

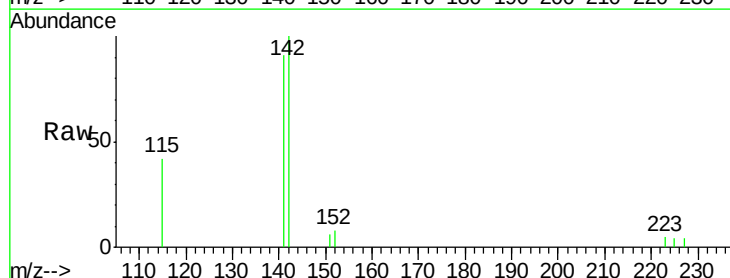
Tgt Ion:142 Resp: 2046

Ion Ratio Lower Upper

142 100

141 90.5 70.8 106.2

115 41.8 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

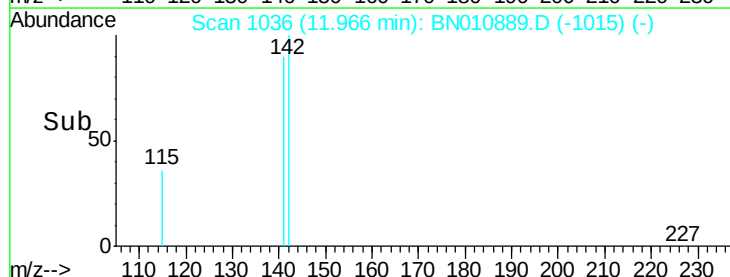
1500

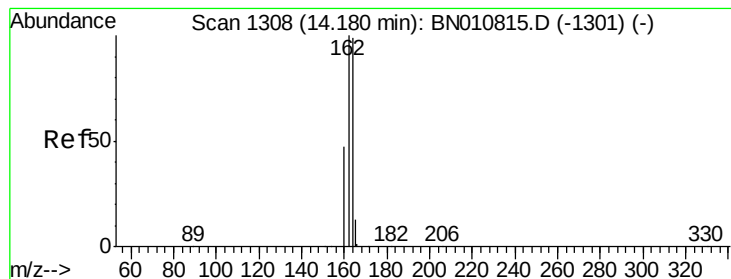
1000

500

0

Time--> 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampleId :

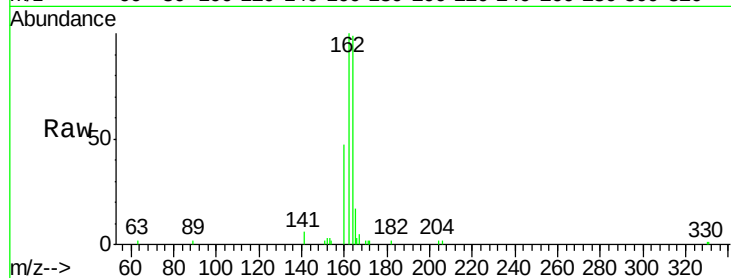
Tot Ion:164 Resp: 5126

Ion Ratio Lower Upper

164 100

162 100.6 81.0 121.6

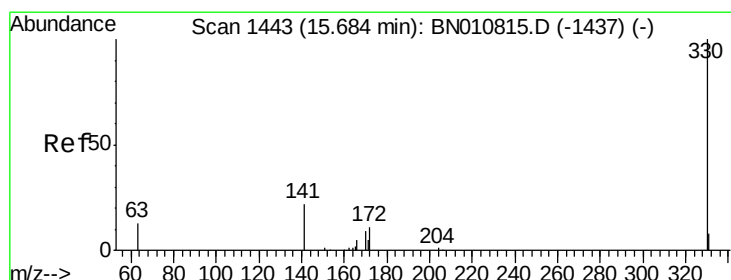
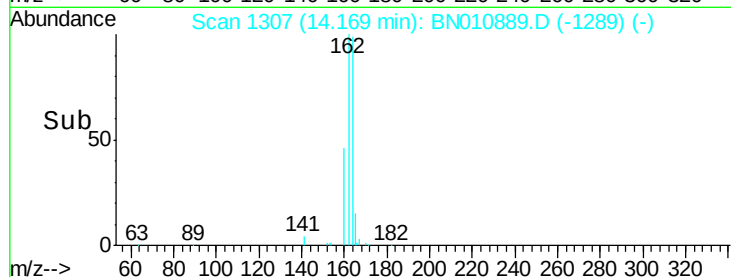
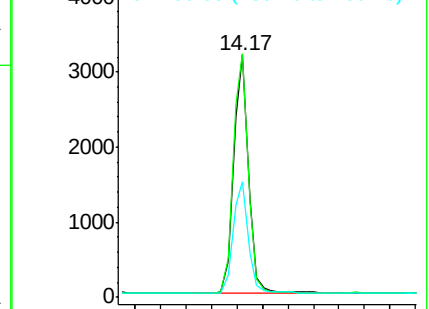
160 47.5 38.9 58.3



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: 0.331 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

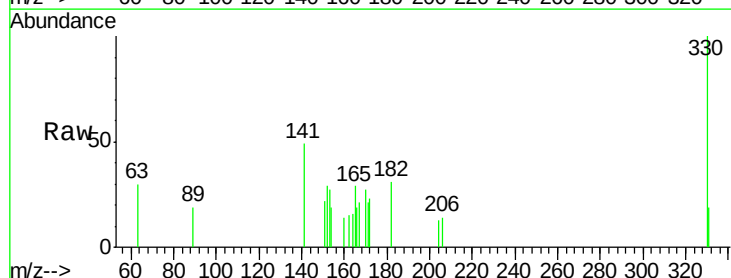
Tgt Ion:330 Resp: 607

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

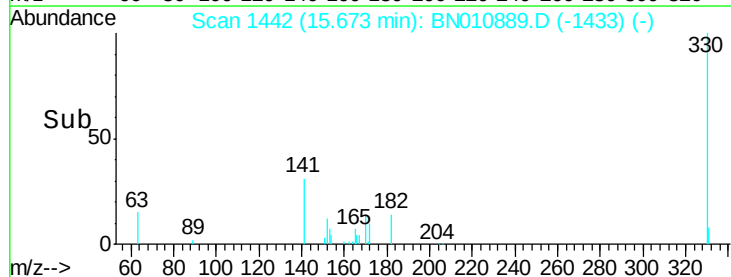
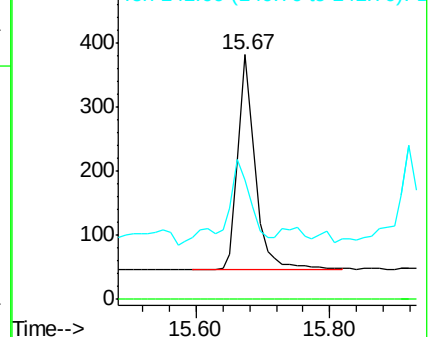
141 40.7 33.2 49.8

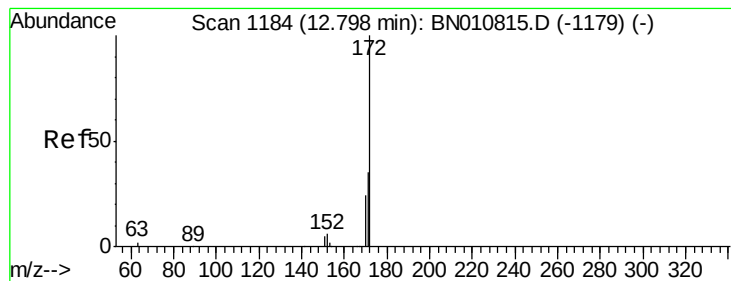


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.367 ng

RT: 12.79 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BN010889.D

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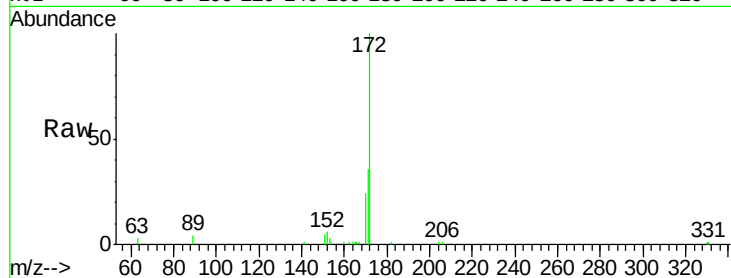
Tot Ion:172 Resp: 7433

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

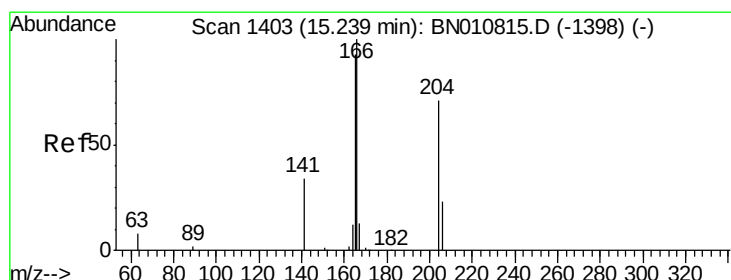
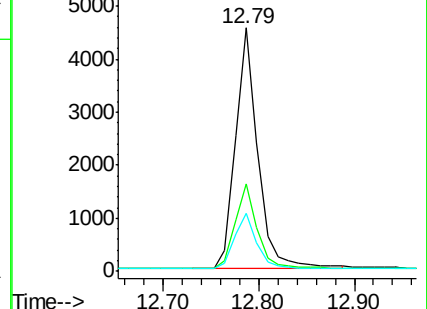
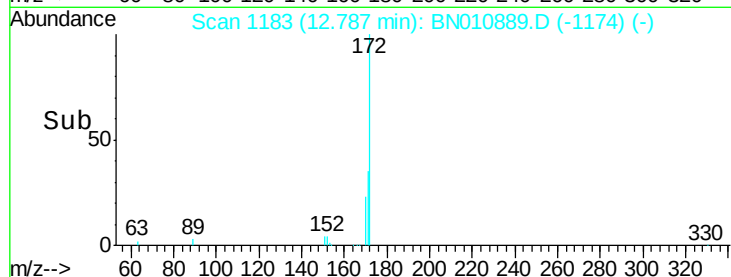
170 23.6 19.7 29.5



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



#18

Fluorene

Concen: 0.024 ng

RT: 15.23 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

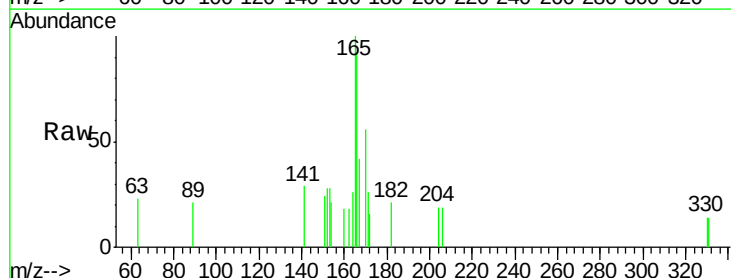
Tgt Ion:166 Resp: 452

Ion Ratio Lower Upper

166 100

165 93.6 77.2 115.8

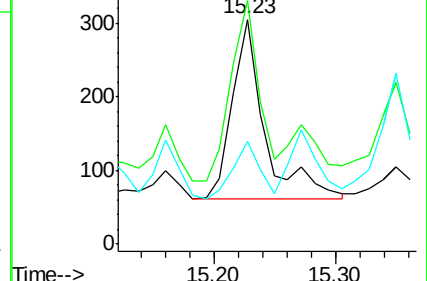
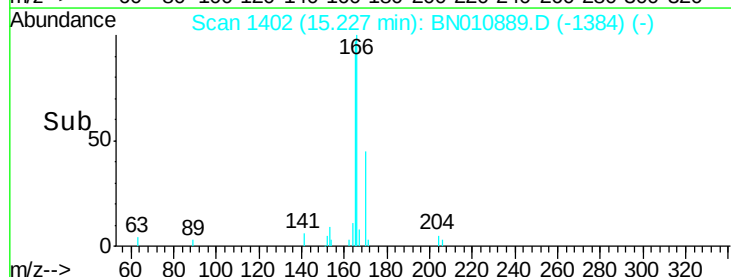
167 25.9 10.7 16.1#

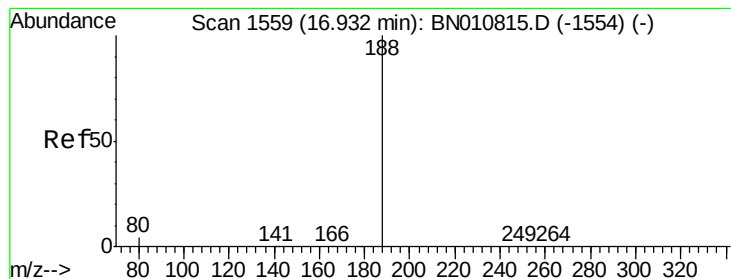


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampleId :

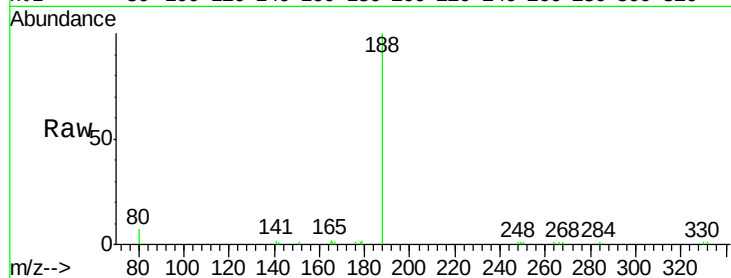
Tot Ion:188 Resp: 10017

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.5 4.5 6.7#



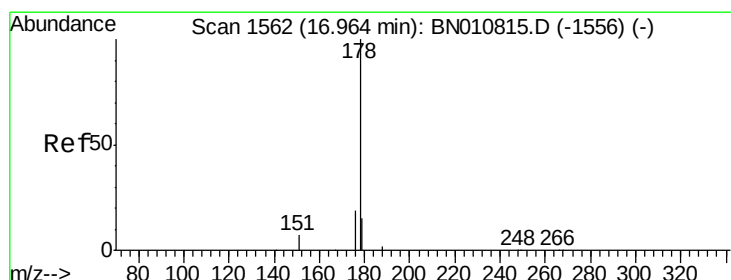
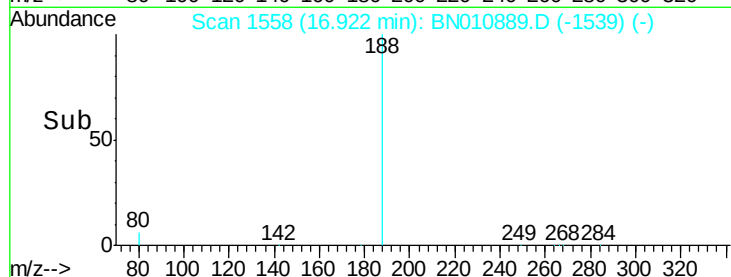
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

16.92

Time-->



#23

Phenanthrene

Concen: 0.066 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

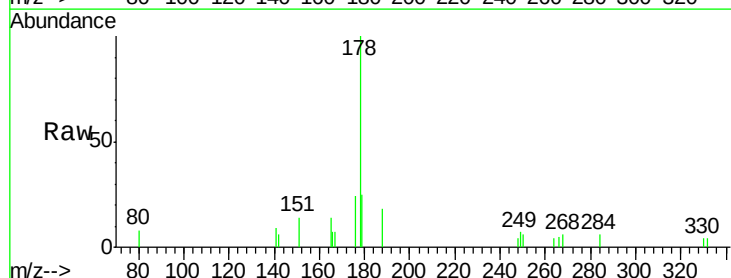
Tgt Ion:178 Resp: 1804

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 19.0 12.6 19.0



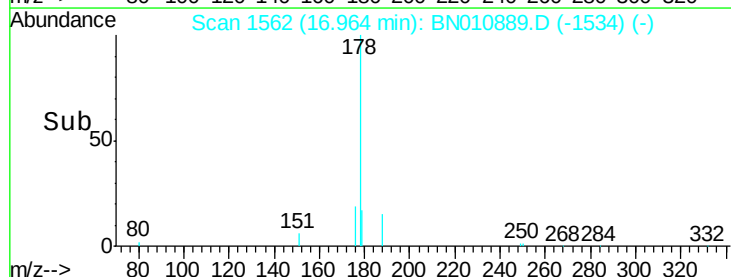
Abundance Ion 178.00 (177.70 to 178.70): E

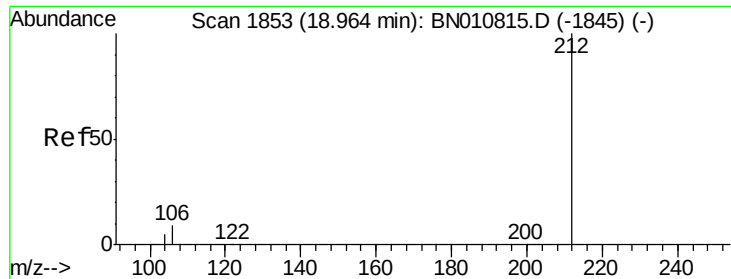
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.96

Time-->

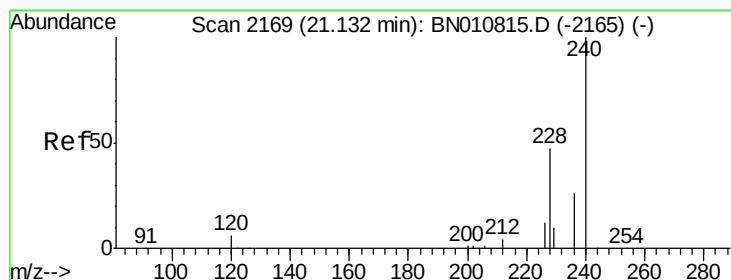
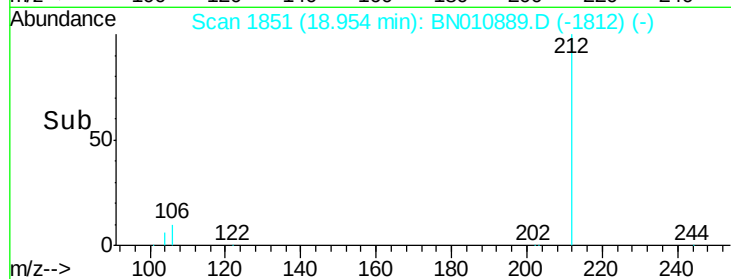
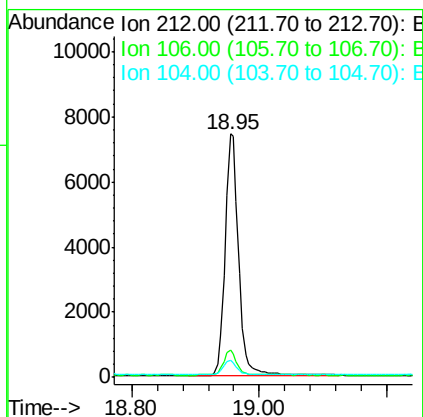
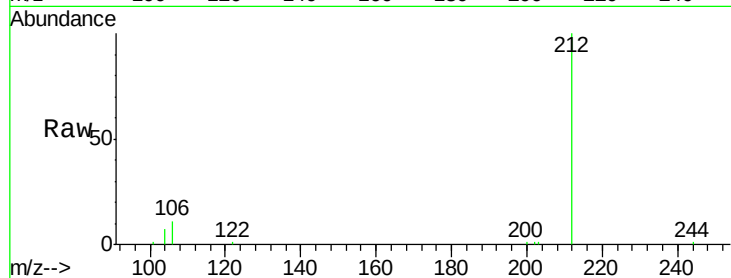




#25
Fluoranthene-d10
Concen: 0.406 ng
RT: 18.95 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BN010889.D
Acq: 16 Jun 2020 03:48

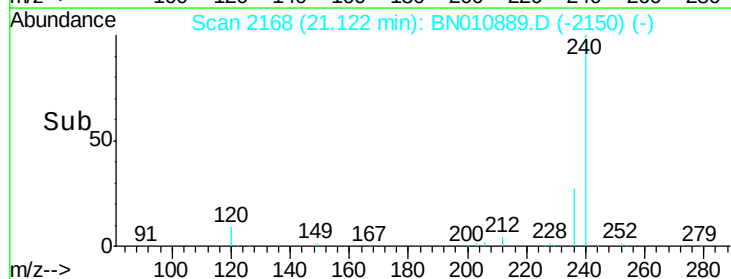
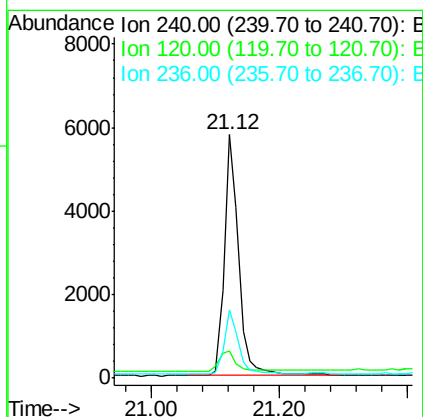
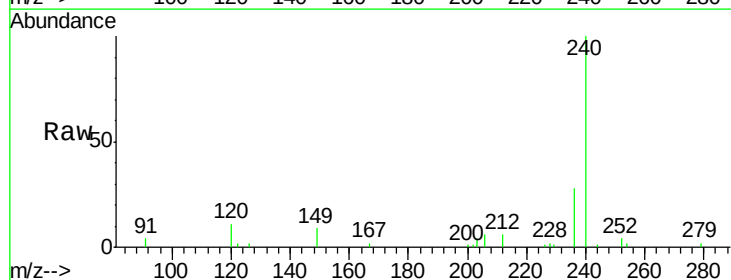
Instrument :
BNA_N
ClientSampleId :

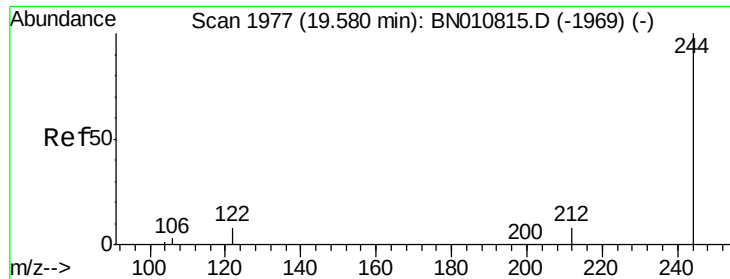
Tot Ion	Ratio	Lower	Upper
212	100		
106	9.9	6.6	10.0
104	5.8	4.0	6.0



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN010889.D
Acq: 16 Jun 2020 03:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	7.5	11.3
236	28.0	22.3	33.5





#29

Terphenyl-d14

Concen: 0.492 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampled :

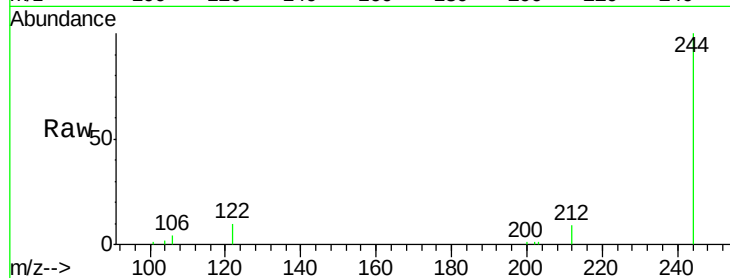
Tot Ion:244 Resp: 10445

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

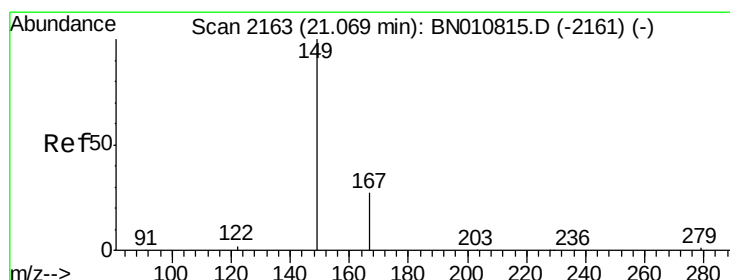
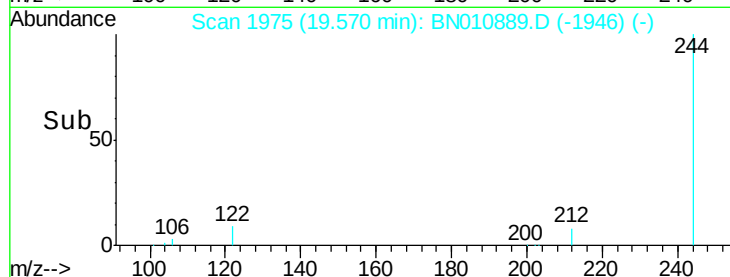
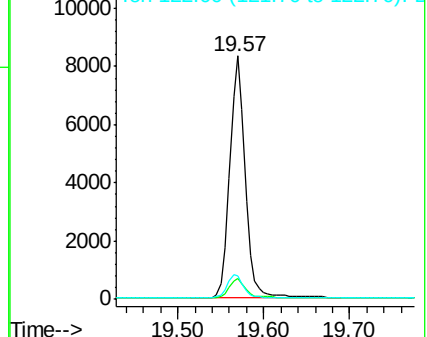
122 9.7 7.5 11.3



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: 0.111 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

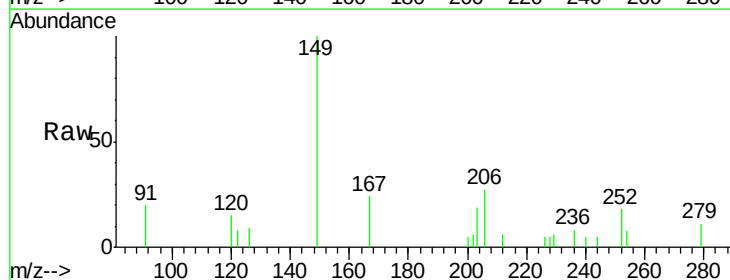
Tgt Ion:149 Resp: 986

Ion Ratio Lower Upper

149 100

167 25.2 24.1 36.1

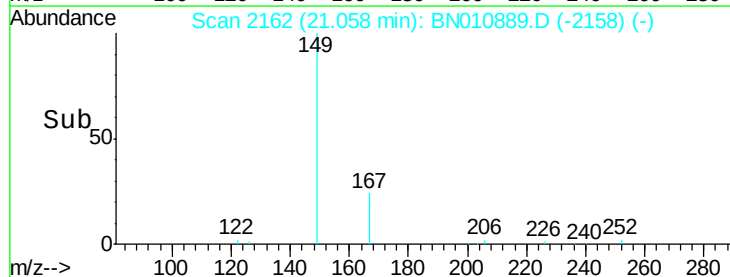
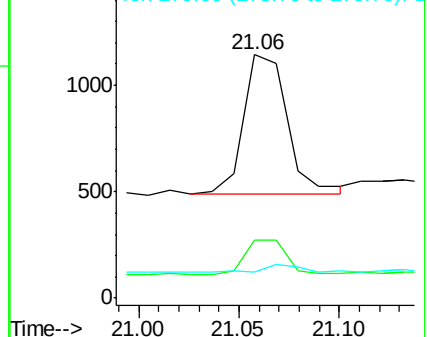
279 4.6 4.6 7.0#

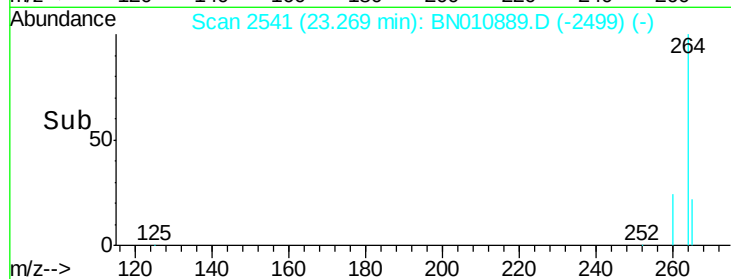
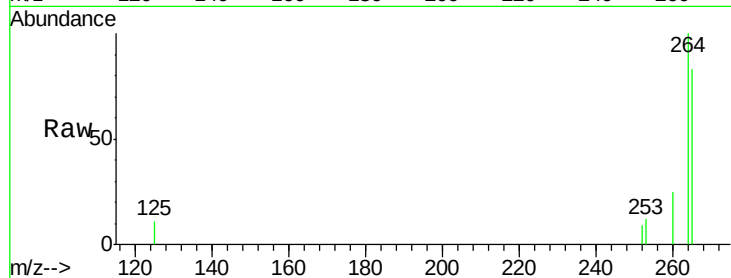
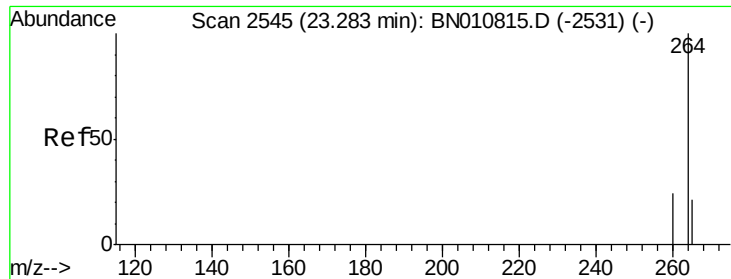


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2541

Delta R.T. -0.01 min

Lab File: BN010889.D

Acq: 16 Jun 2020 03:48

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 9332

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

265 82.6 75.0 112.4

