

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052120\
 Data File : BN010736.D
 Acq On : 21 May 2020 20:34
 Operator : CG/JU
 Sample : L2732-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 KY038PS027-200520

Quant Time: May 22 04:57:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 16:54:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2982	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	11415	0.40	ng	0.00
13) Acenaphthene-d10	14.19	164	7017	0.40	ng	-0.01
19) Phenanthrene-d10	16.94	188	14925	0.40	ng	-0.01
27) Chrysene-d12	21.14	240	13392	0.40	ng	-0.01
34) Perylene-d12	23.31	264	12804	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	682	0.12	ng	0.00
5) Phenol-d6	6.77	99	457	0.06	ng	0.00
8) Nitrobenzene-d5	8.71	82	2677	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.92	152	5692	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.70	330	844	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.81	172	9476	0.37	ng	-0.01
25) Fluoranthene-d10	18.98	212	14689	0.36	ng	0.00
29) Terphenyl-d14	19.59	244	12865	0.40	ng	0.00

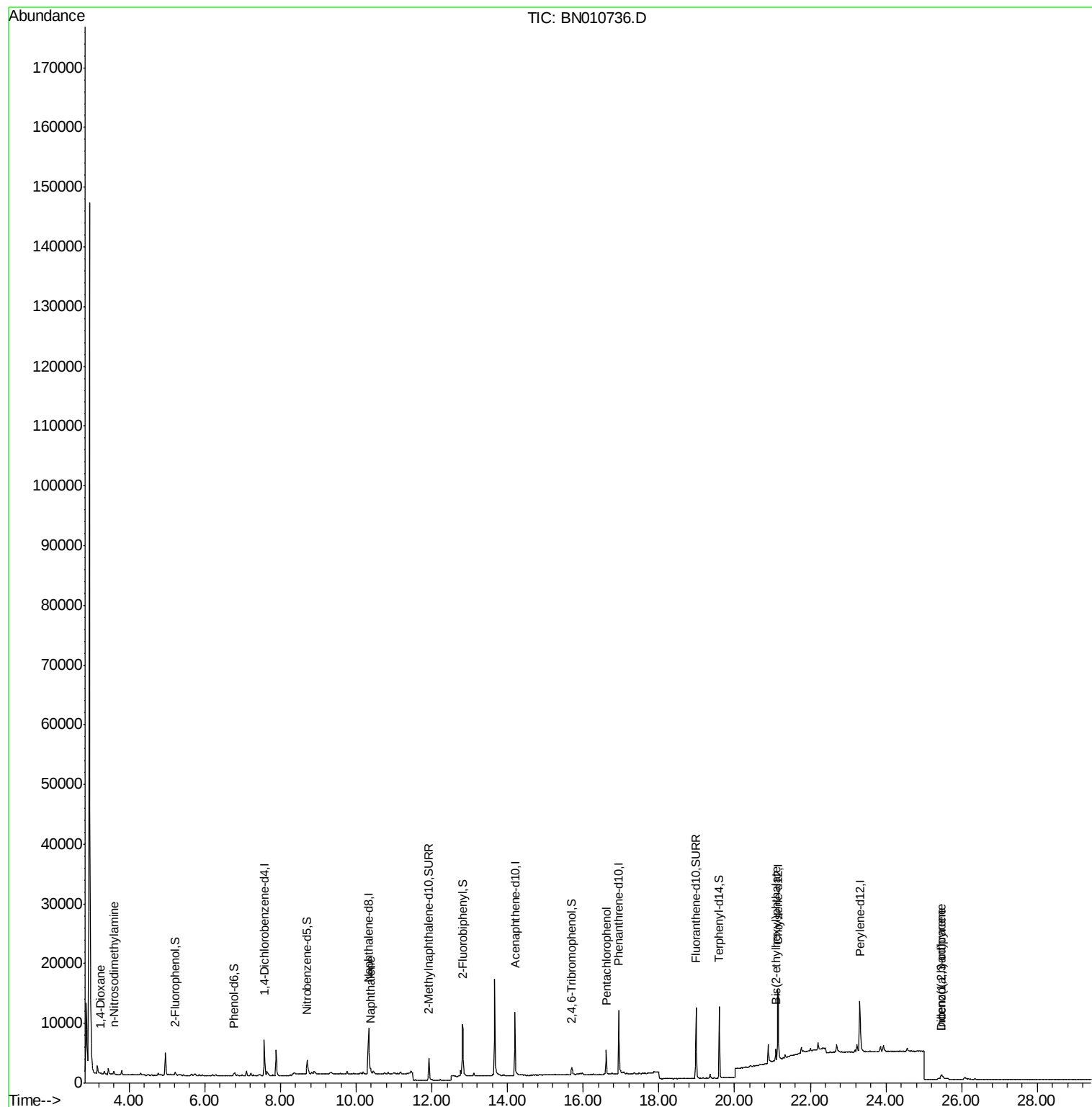
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	189	0.074	ng	# 75
3) n-Nitrosodimethylamine	3.59	42	94	0.064	ng	# 1
9) Naphthalene	10.38	128	1230	0.043	ng	# 85
22) Pentachlorophenol	16.60	266	2228	0.733	ng	99
32) Bis(2-ethylhexyl)phthalate	21.09	149	1744	0.102	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.46	276	1058	0.027	ng	# 87
38) Dibenzo(a,h)anthracene	25.47	278	1176	0.038	ng	# 12

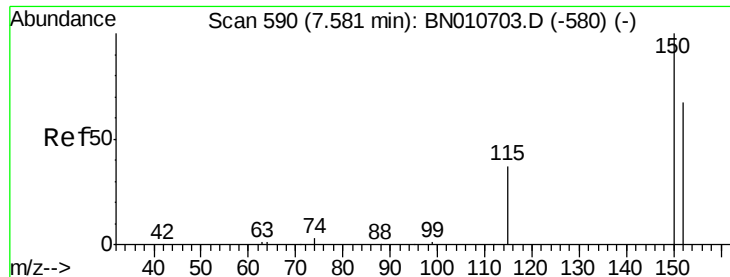
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

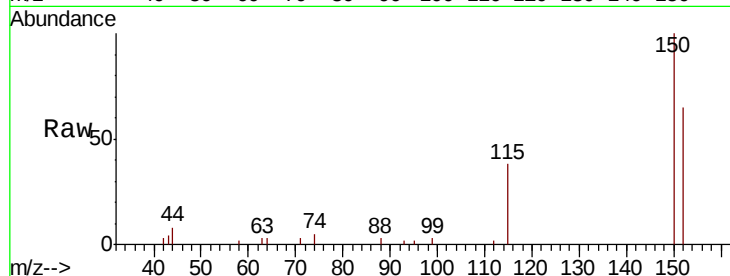
Tot Ion:152 Resp: 2982

Ion Ratio Lower Upper

152 100

150 154.3 119.4 179.0

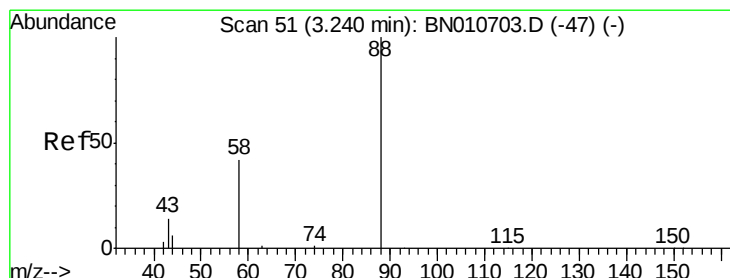
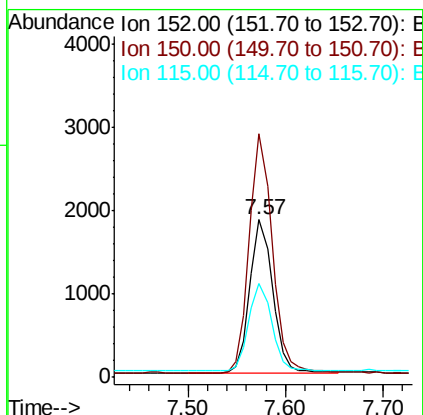
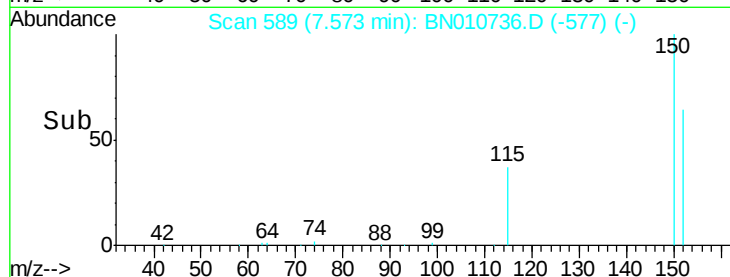
115 59.4 45.9 68.9



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: 0.074 ng

RT: 3.24 min Scan# 51

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

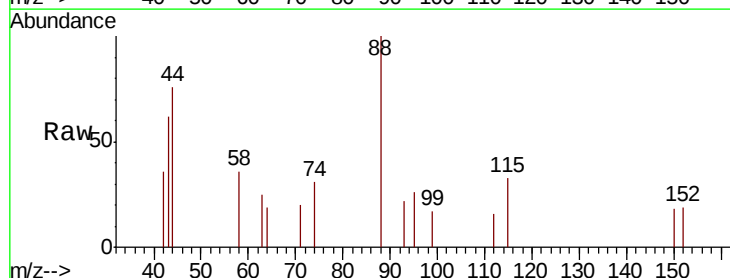
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

58 41.3 39.0 58.6

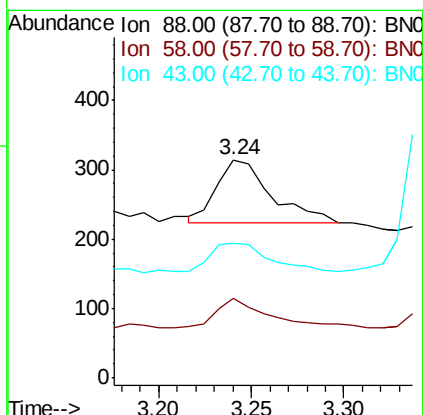
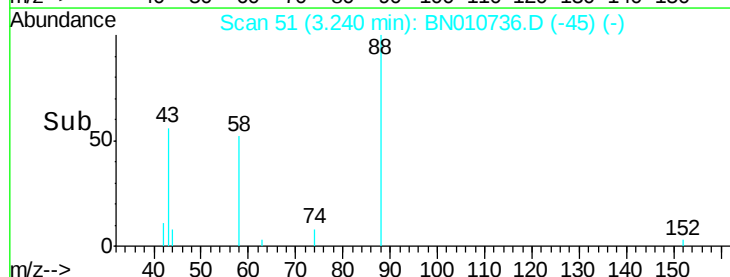
43 45.5 13.1 19.7#

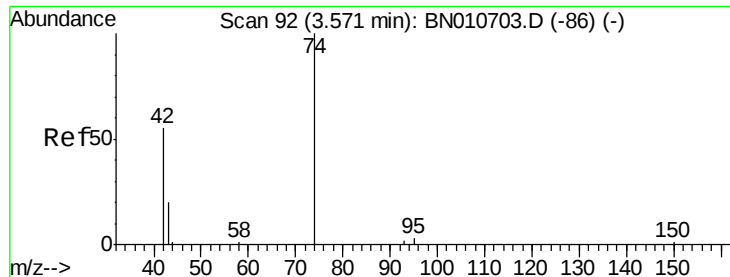


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.064 ng

RT: 3.59 min Scan# 94

Delta R.T. 0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

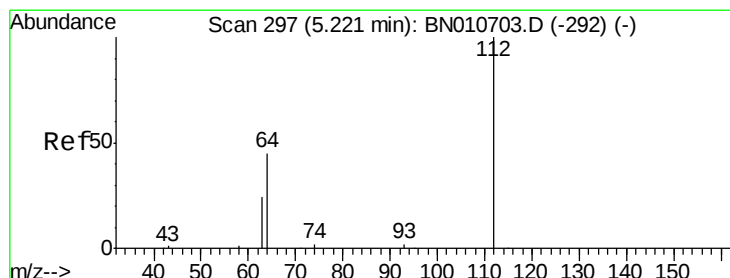
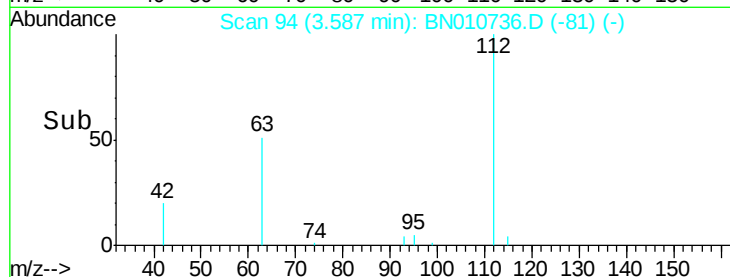
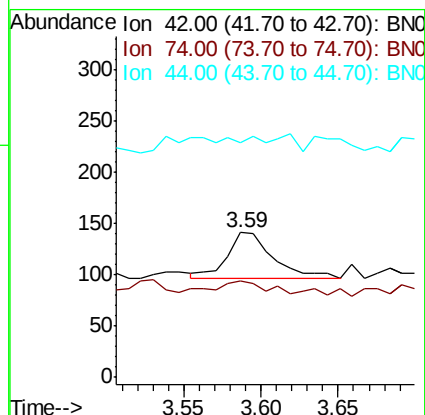
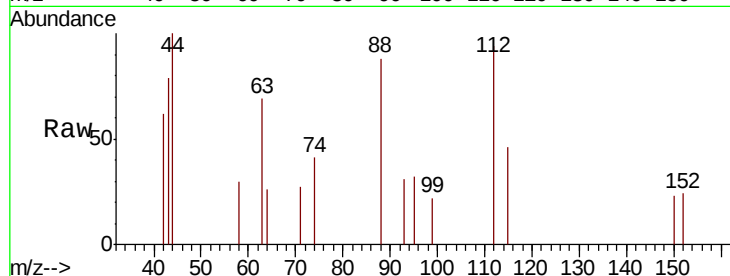
Tot Ion: 42 Resp: 94

Ion Ratio Lower Upper

42 100

74 22.3 146.2 219.2#

44 0.0 3.0 4.4#



#4

2-Fluorophenol

Concen: 0.117 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

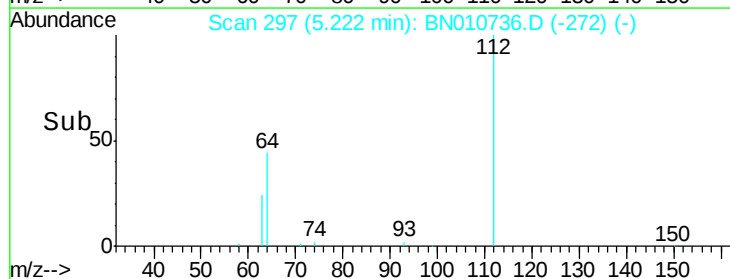
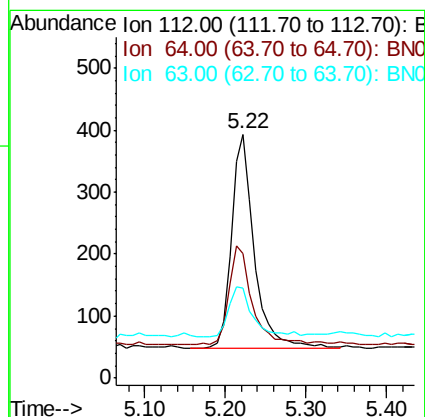
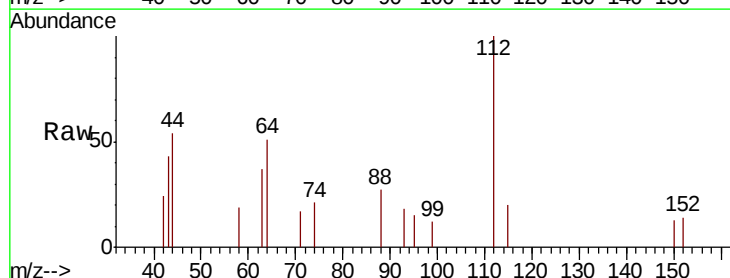
Tgt Ion: 112 Resp: 682

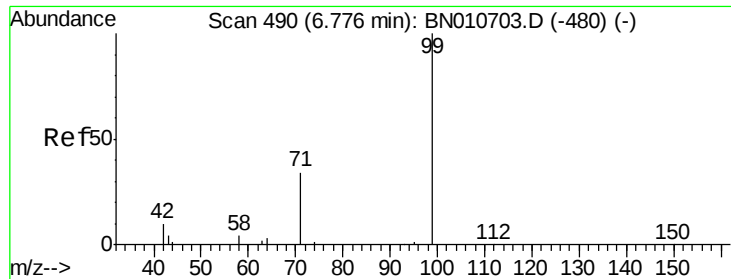
Ion Ratio Lower Upper

112 100

64 47.8 36.2 54.4

63 25.2 19.8 29.8





#5

Phenol-d6

Concen: 0.064 ng

RT: 6.77 min Scan# 489

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

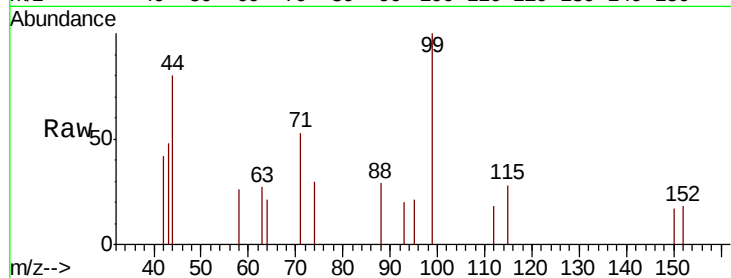
Tot Ion: 99 Resp: 457

Ion Ratio Lower Upper

99 100

42 22.8 9.8 14.8#

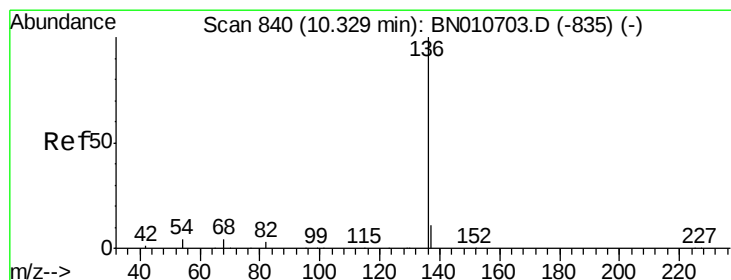
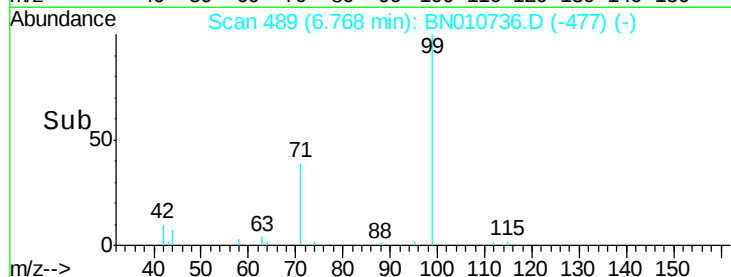
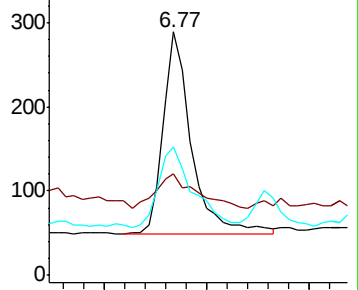
71 48.6 28.6 42.8#



Abundance Ion 99.00 (98.70 to 99.70): BN010703.D (-480) (-)

Ion 42.00 (41.70 to 42.70): BN010703.D (-480) (-)

Ion 71.00 (70.70 to 71.70): BN010703.D (-480) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Tgt Ion: 136 Resp: 11415

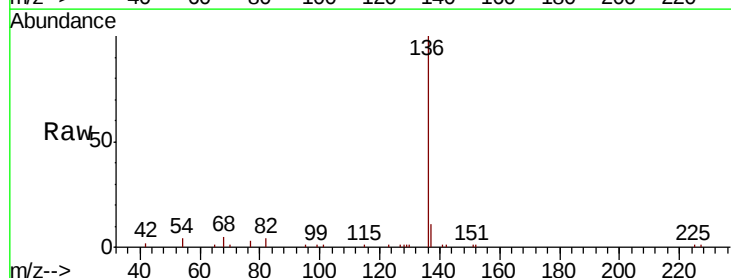
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 3.9 3.6 5.4

68 4.9 4.1 6.1

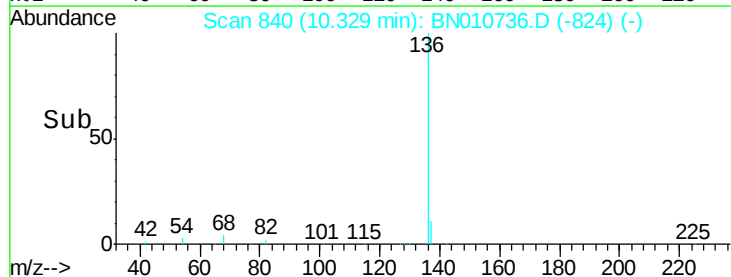
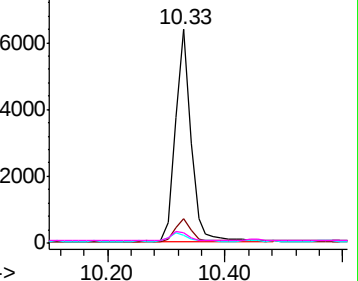


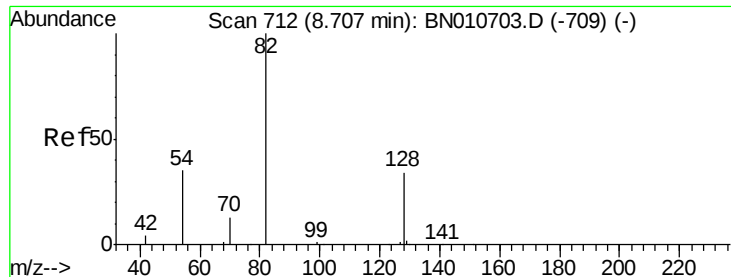
Abundance Ion 136.00 (135.70 to 136.70): BN010703.D (-835) (-)

Ion 137.00 (136.70 to 137.70): BN010703.D (-835) (-)

Ion 54.00 (53.70 to 54.70): BN010703.D (-835) (-)

Ion 68.00 (67.70 to 68.70): BN010703.D (-835) (-)





#8

Nitrobenzene-d5

Concen: 0.338 ng

RT: 8.71 min Scan# 712

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

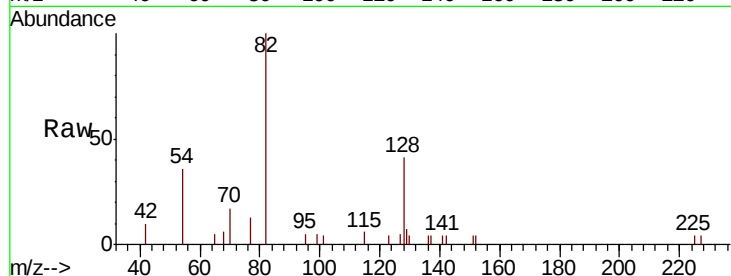
Tot Ion: 82 Resp: 2677

Ion Ratio Lower Upper

82 100

128 40.7 29.0 43.4

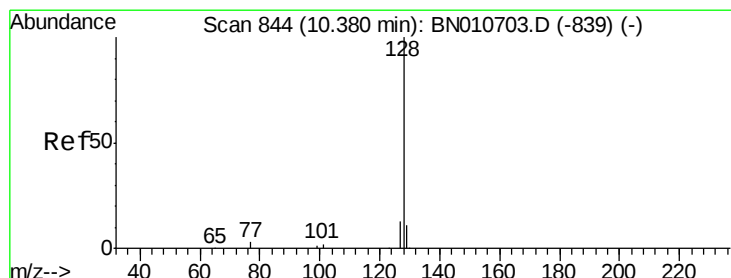
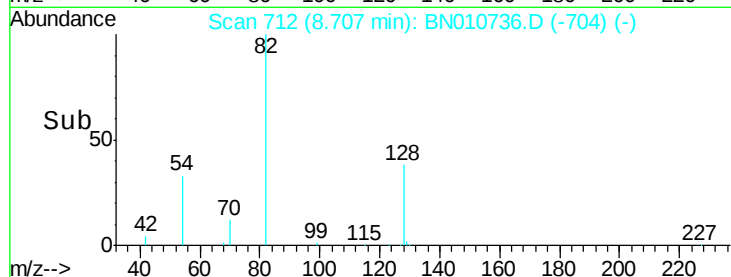
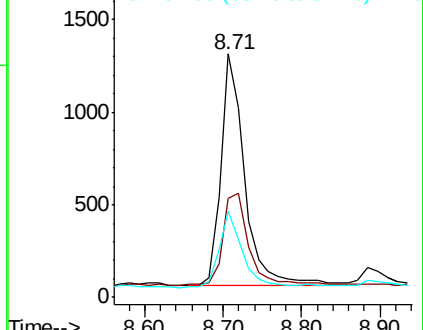
54 35.6 29.3 43.9



Abundance Ion 82.00 (81.70 to 82.70): BN010736.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN010736.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN010736.D (-704) (-)



#9

Naphthalene

Concen: 0.043 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

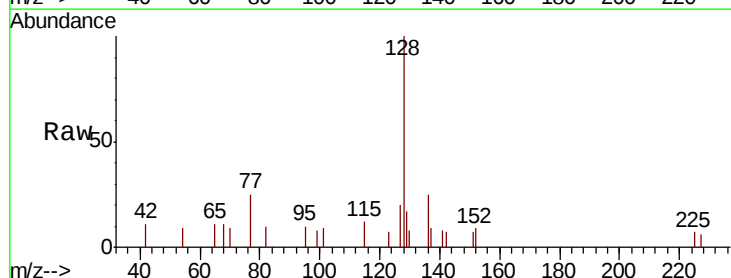
Tgt Ion: 128 Resp: 1230

Ion Ratio Lower Upper

128 100

129 16.9 9.3 13.9#

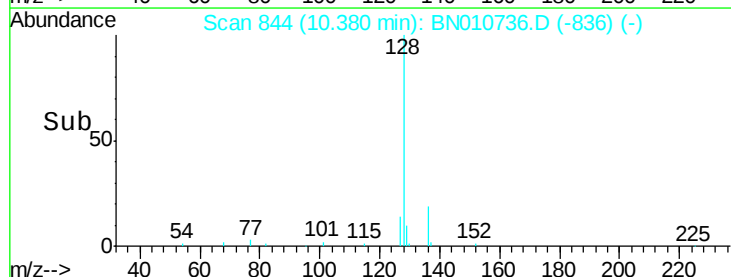
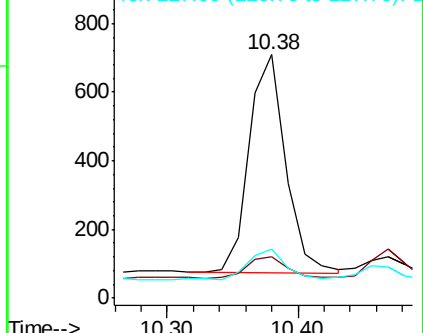
127 20.0 11.0 16.6#

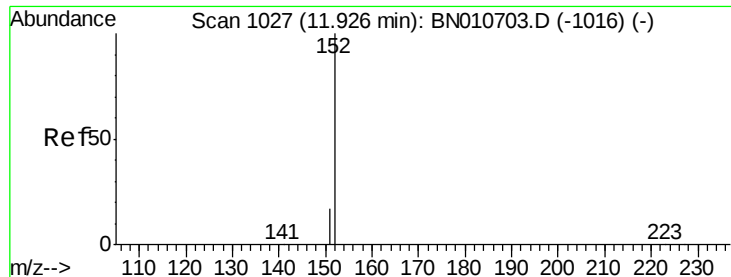


Abundance Ion 128.00 (127.70 to 128.70): BN010736.D (-836) (-)

Ion 129.00 (128.70 to 129.70): BN010736.D (-836) (-)

Ion 127.00 (126.70 to 127.70): BN010736.D (-836) (-)

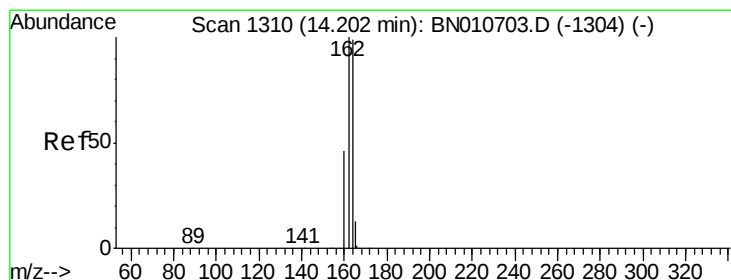
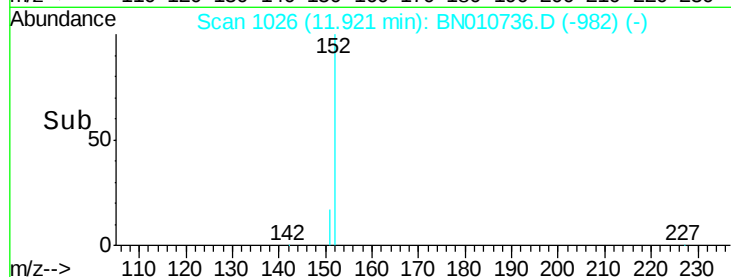
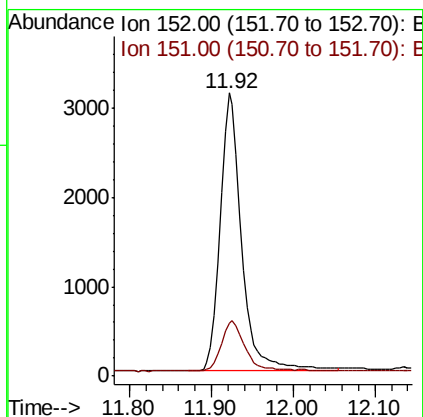
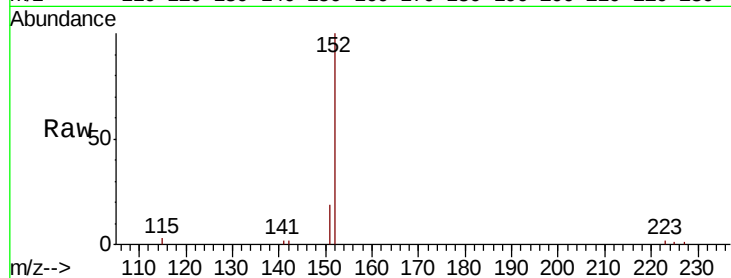




#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 11.92 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BN010736.D
Acq: 21 May 2020 20:34

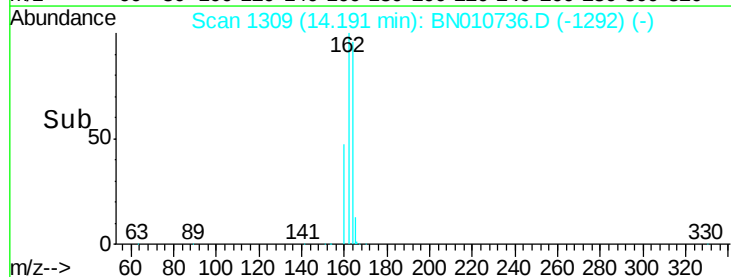
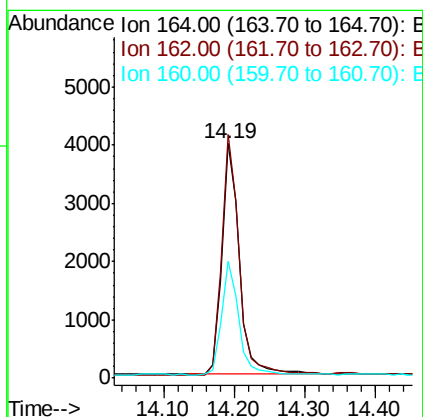
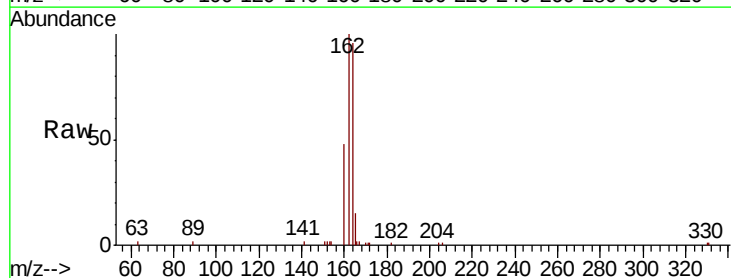
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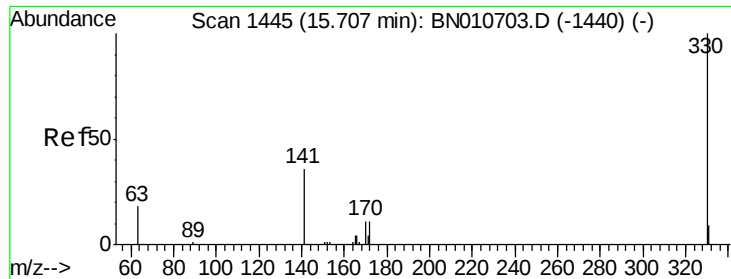
Tot Ion:152 Resp: 5692
Ion Ratio Lower Upper
152 100
151 19.6 15.0 22.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.19 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN010736.D
Acq: 21 May 2020 20:34

Tgt Ion:164 Resp: 7017
Ion Ratio Lower Upper
164 100
162 103.8 81.1 121.7
160 49.9 37.9 56.9





#14

2,4,6-Tribromophenol

Concen: 0.332 ng

RT: 15.70 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

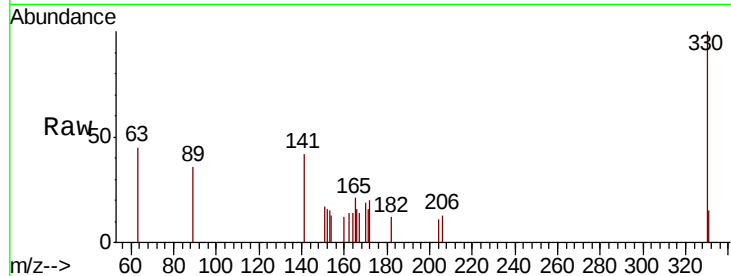
Tot Ion:330 Resp: 844

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

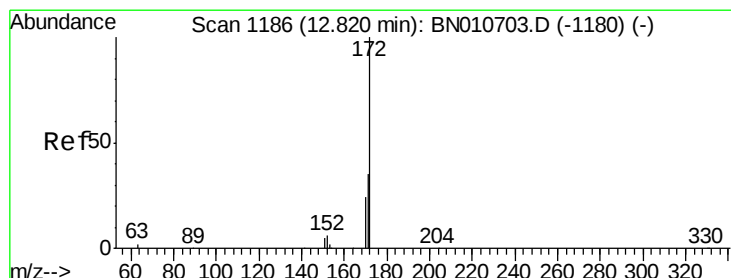
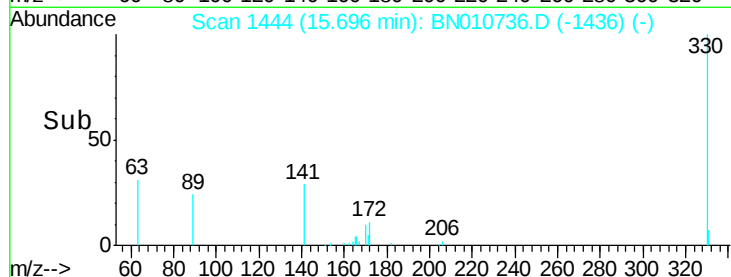
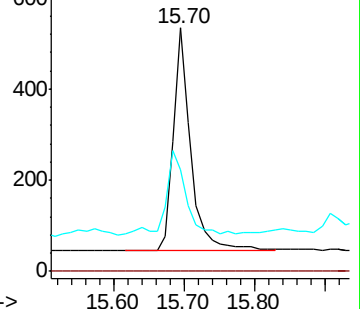
141 41.0 28.8 43.2



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: 0.368 ng

RT: 12.81 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

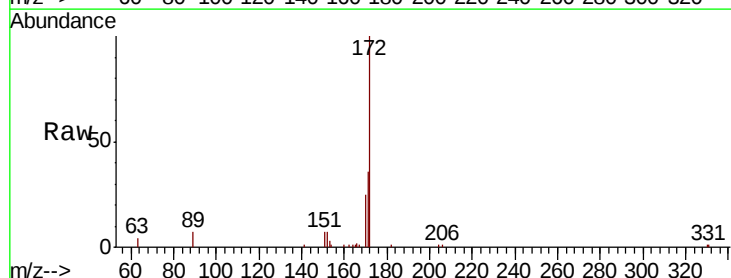
Tgt Ion:172 Resp: 9476

Ion Ratio Lower Upper

172 100

171 36.2 28.6 42.8

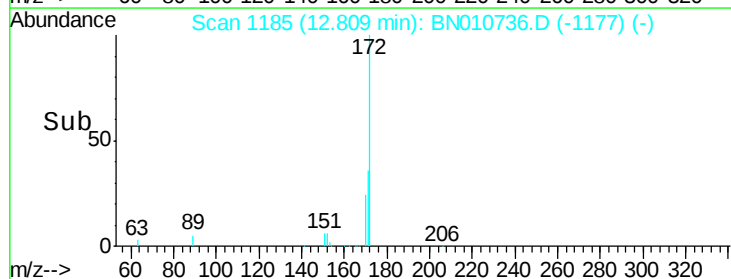
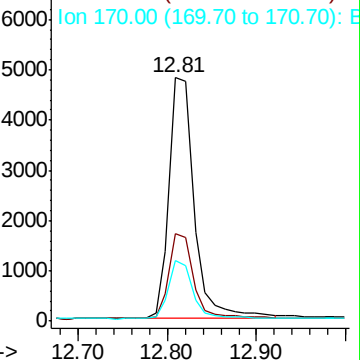
170 24.7 19.8 29.8

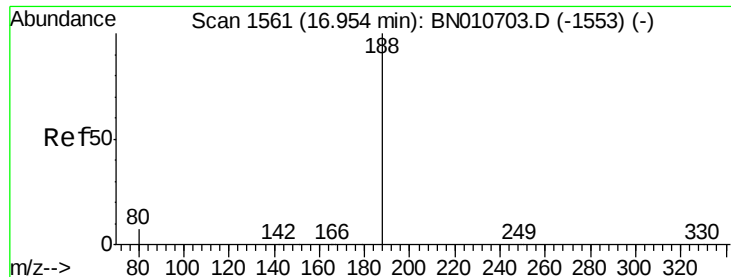


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN010736.D

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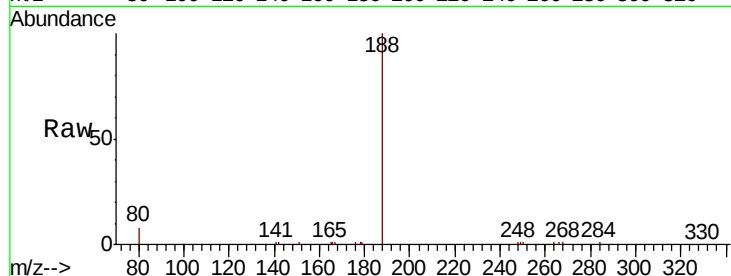
Tot Ion:188 Resp: 14925

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

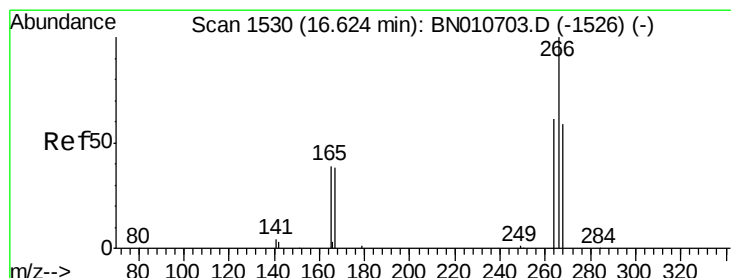
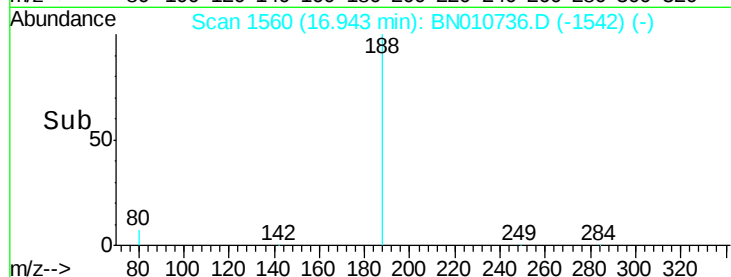
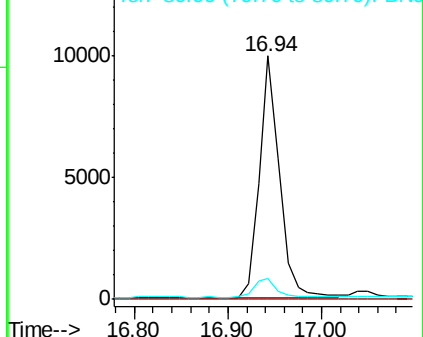
80 8.4 6.3 9.5



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



#22

Pentachlorophenol

Concen: 0.733 ng

RT: 16.60 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

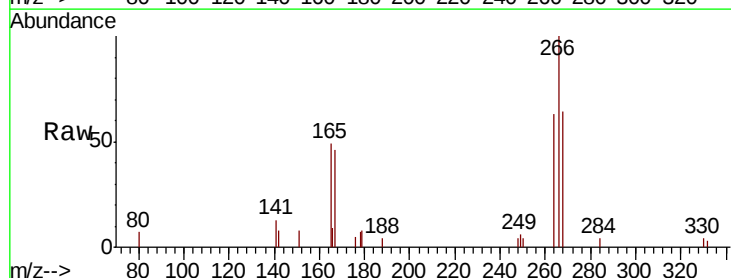
Tgt Ion:266 Resp: 2228

Ion Ratio Lower Upper

266 100

264 63.1 51.1 76.7

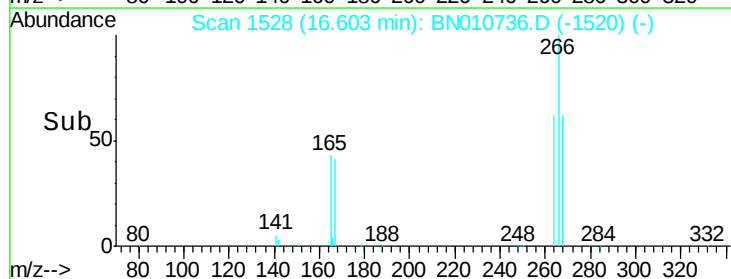
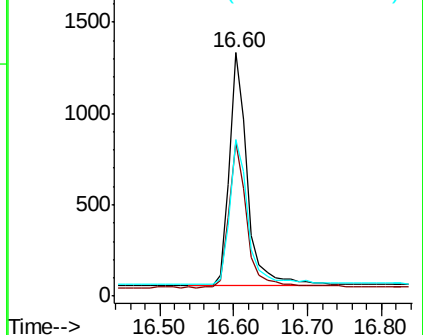
268 64.1 52.1 78.1

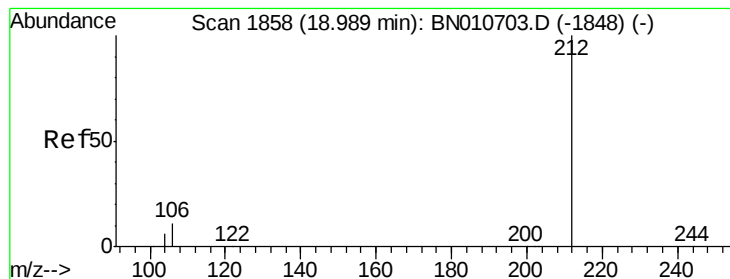


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 18.98 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

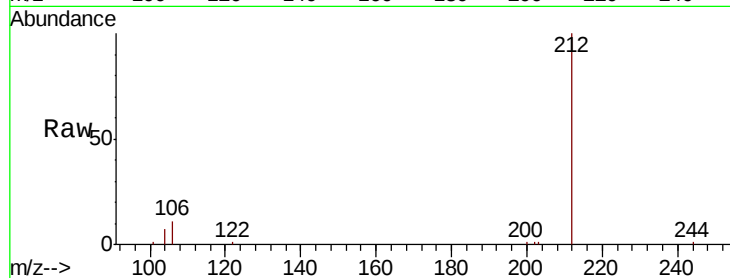
Tot Ion:212 Resp: 14689

Ion Ratio Lower Upper

212 100

106 9.8 8.2 12.2

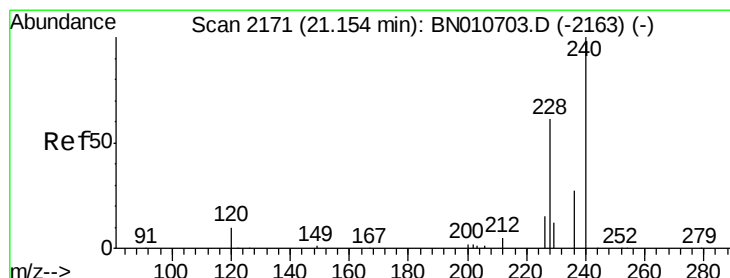
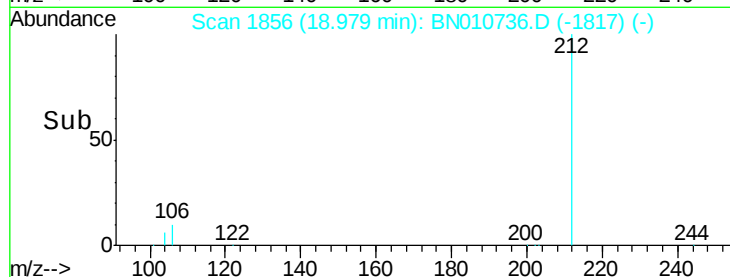
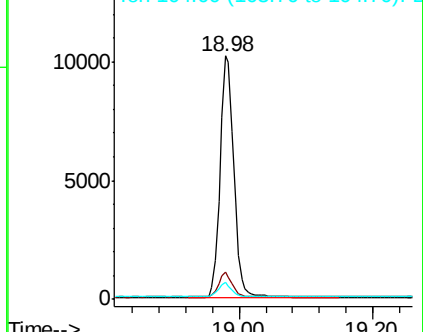
104 5.7 4.7 7.1



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: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

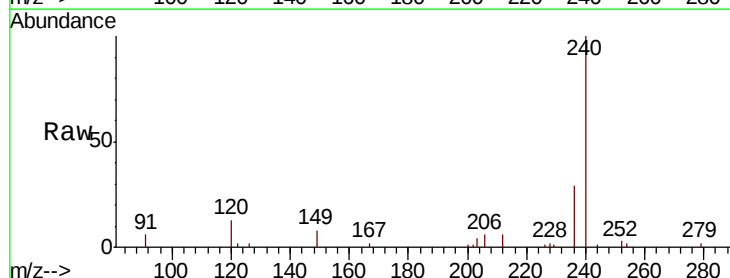
Tgt Ion:240 Resp: 13392

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

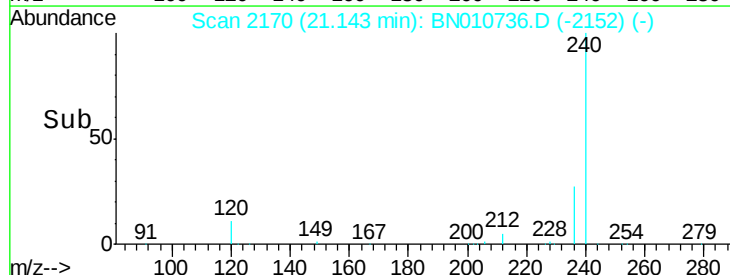
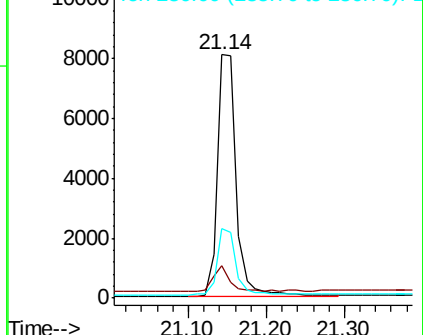
236 28.6 22.5 33.7

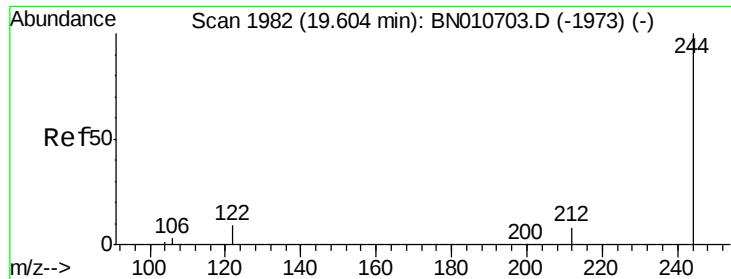


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.59 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

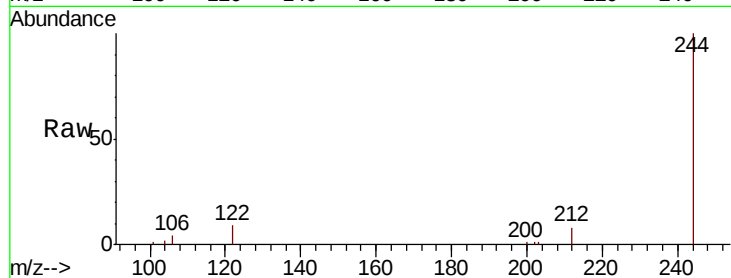
Tot Ion:244 Resp: 12865

Ion Ratio Lower Upper

244 100

212 8.2 6.8 10.2

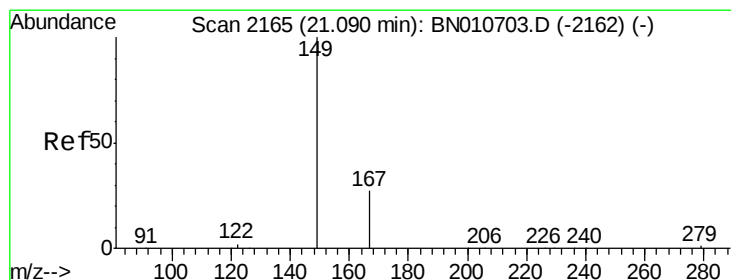
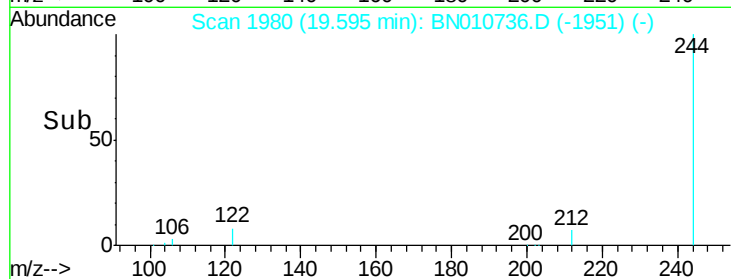
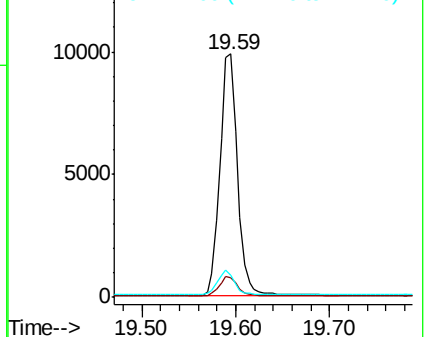
122 9.1 8.1 12.1



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: 0.102 ng

RT: 21.09 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

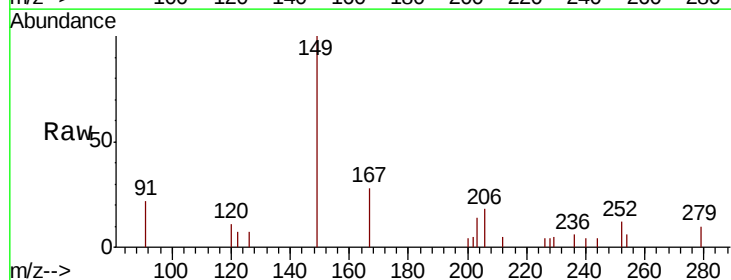
Tgt Ion:149 Resp: 1744

Ion Ratio Lower Upper

149 100

167 26.4 22.5 33.7

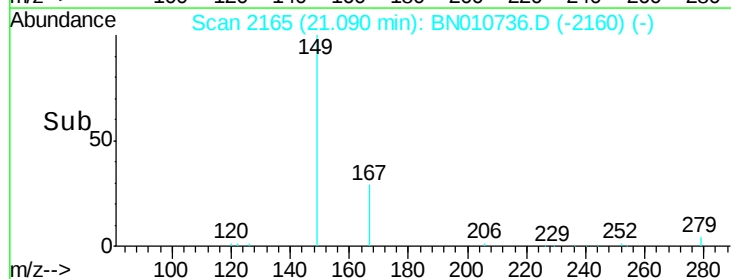
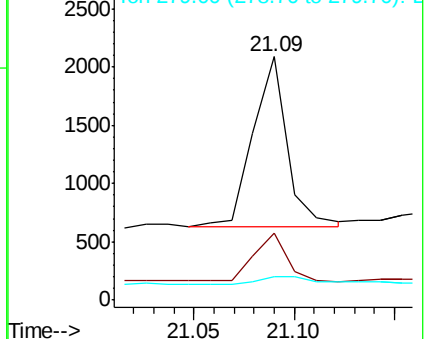
279 6.8 4.1 6.1#

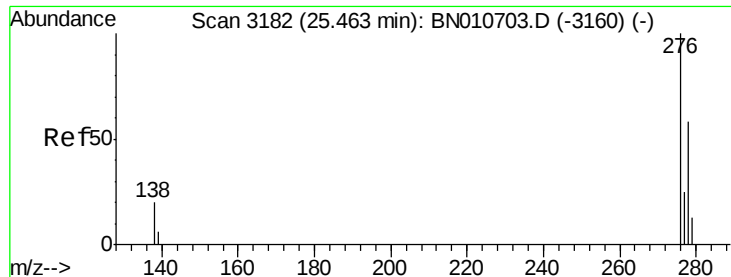


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.027 ng

RT: 25.46 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

KY038PS027-200520

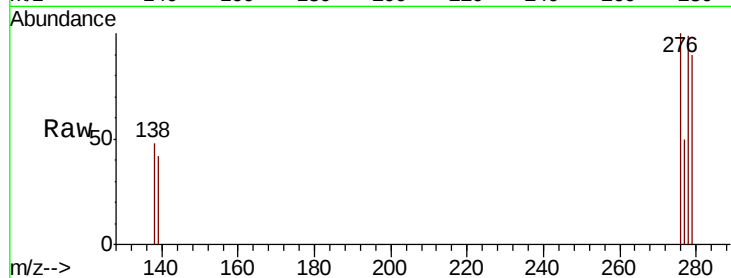
Tot Ion:276 Resp: 1058

Ion Ratio Lower Upper

276 100

138 9.4 15.1 22.7#

277 21.2 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.46

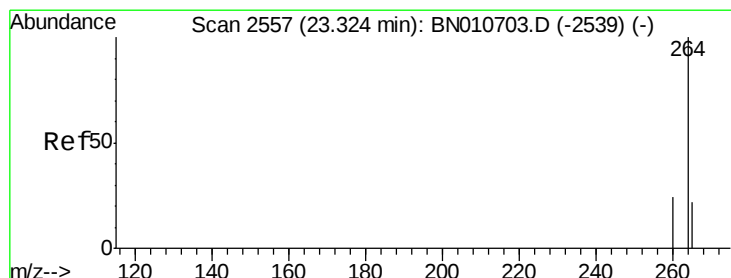
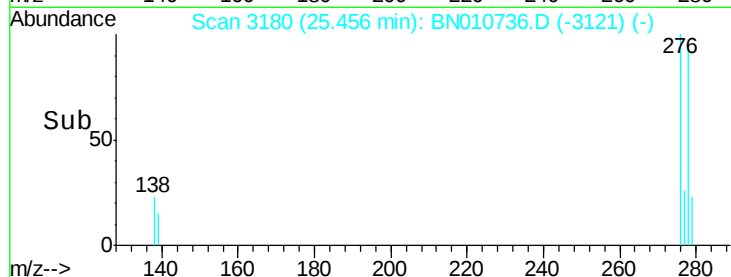
300

200

100

0

Time--> 25.30 25.40 25.50



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.31 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BN010736.D

Acq: 21 May 2020 20:34

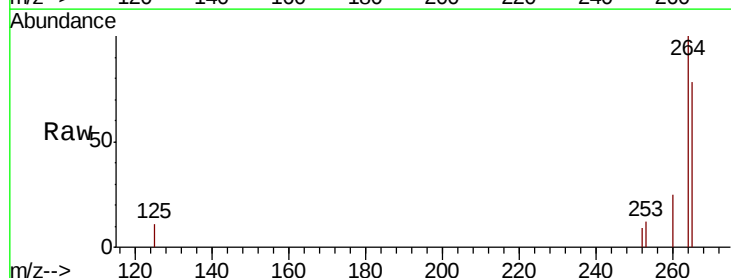
Tgt Ion:264 Resp: 12804

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 77.6 70.1 105.1



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

23.31

8000

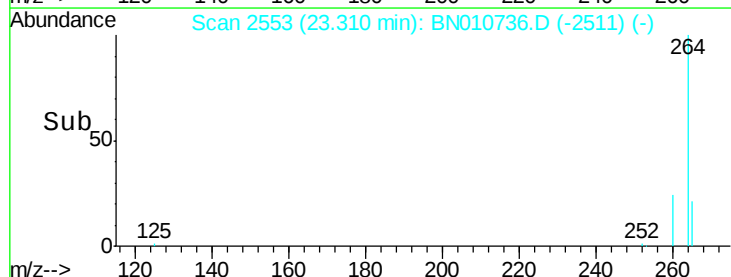
6000

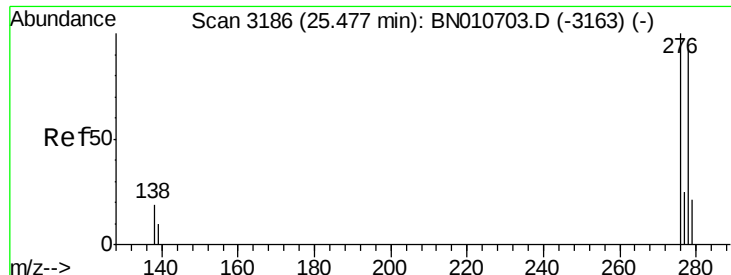
4000

2000

0

Time--> 23.20 23.30 23.40





#38

Dibenzo(a,h)anthracene

Concen: 0.038 ng

RT: 25.47 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BN010736.D

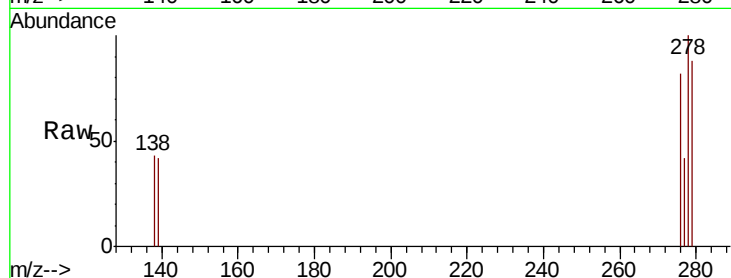
Acq: 21 May 2020 20:34

Instrument :

BNA_N

ClientSampleId :

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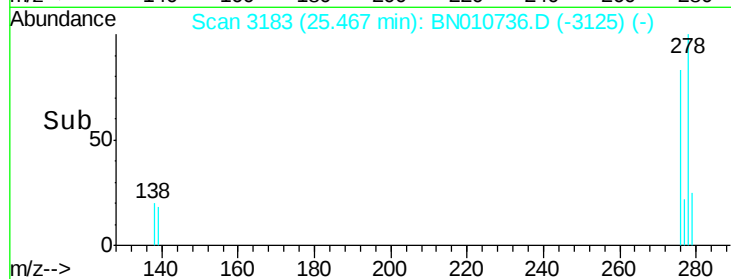
Tot Ion:278 Resp: 1176

Ion Ratio Lower Upper

278 100

139 41.6 13.0 19.4#

279 87.9 25.1 37.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

