

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007771.D
 Acq On : 20 Sep 2019 19:20
 Operator : HP/JU
 Sample : K4975-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE108D2-20190918

Quant Time: Sep 20 22:48:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

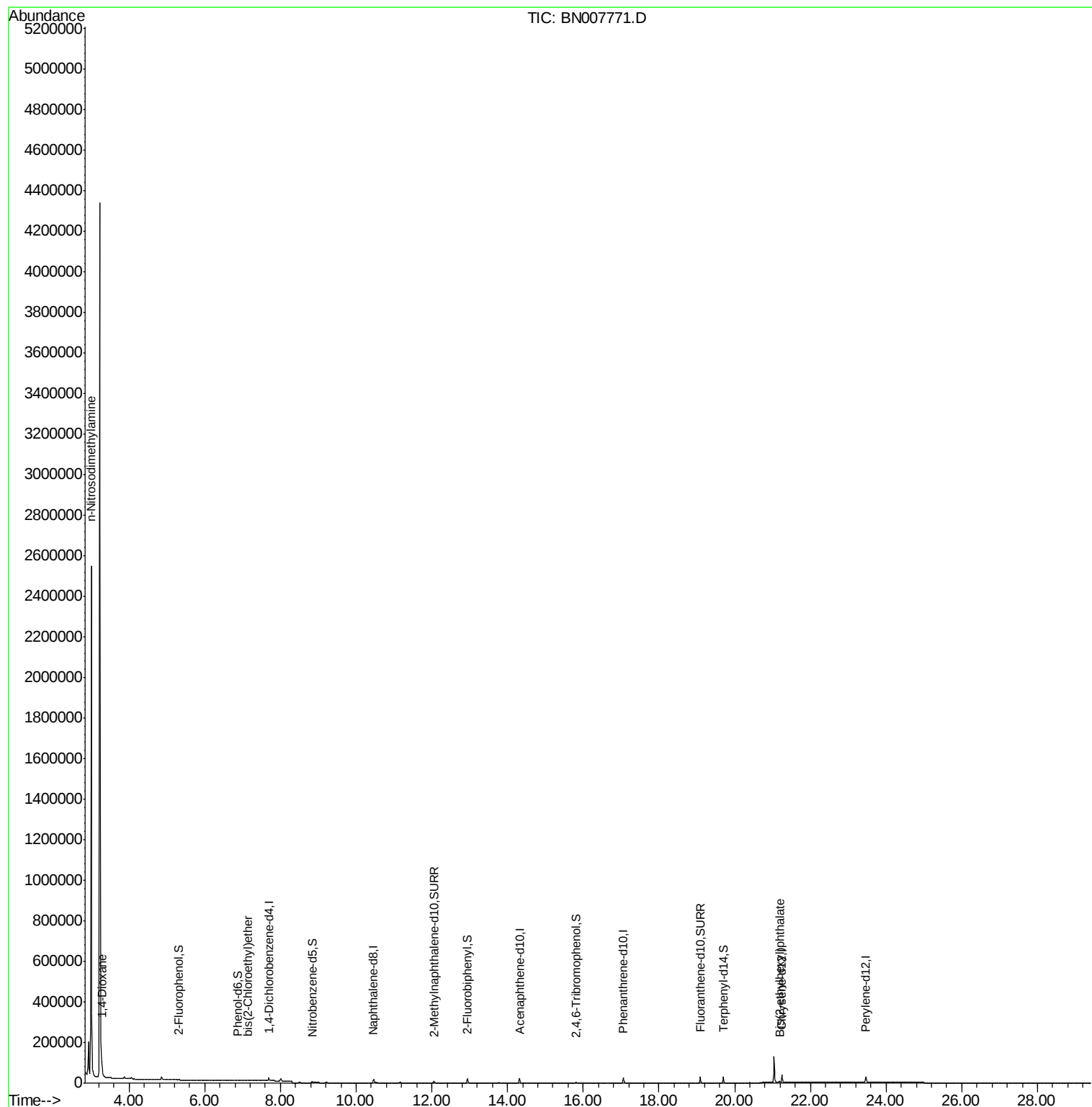
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6584	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	25048	0.40	ng	-0.01
13) Acenaphthene-d10	14.32	164	14880	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	33168	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	36512	0.40	ng	-0.02
34) Perylene-d12	23.47	264	38137	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	2241	0.10	ng	0.00
5) Phenol-d6	6.87	99	1722	0.06	ng	0.00
8) Nitrobenzene-d5	8.83	82	6001	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	13689	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.80	330	1501	0.19	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	20524	0.33	ng	0.00
25) Fluoranthene-d10	19.09	212	37089	0.33	ng	-0.01
29) Terphenyl-d14	19.70	244	32333	0.36	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	23441	3.194	ng	# 91
3) n-Nitrosodimethylamine	3.00	42	191034	56.835	ng	# 67
6) bis(2-Chloroethyl)ether	7.14	93	1778	0.095	ng	94
32) Bis(2-ethylhexyl)phthalate	21.19	149	9222	0.133	ng	# 87

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 604

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

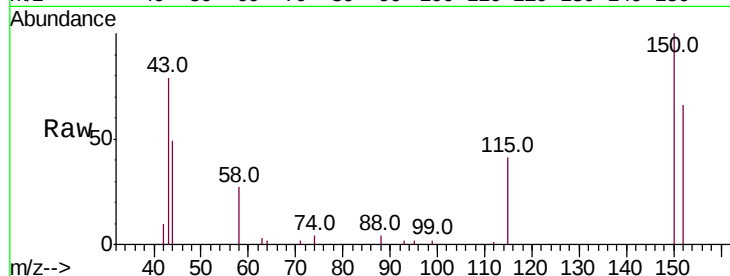
Tot Ion:152 Resp: 6584

Ion Ratio Lower Upper

152 100

150 152.6 125.6 188.4

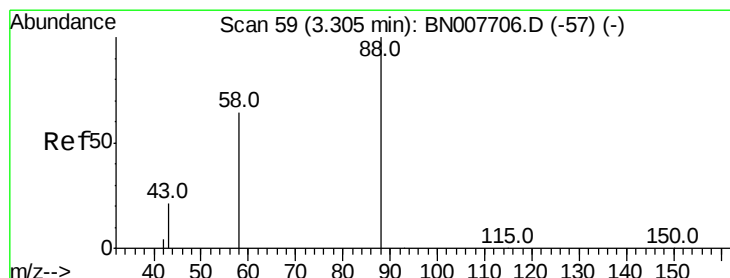
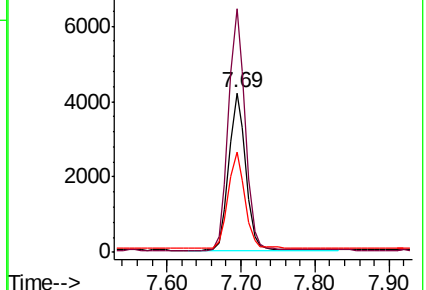
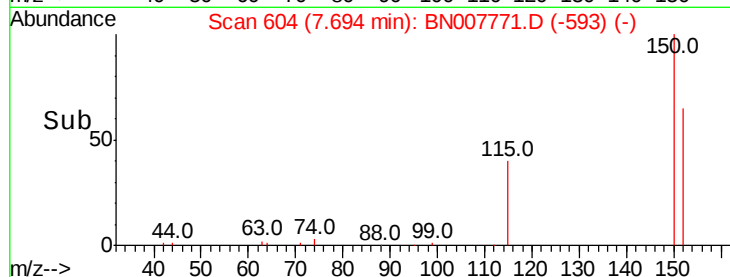
115 62.7 53.3 79.9



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: 3.194 ng

RT: 3.29 min Scan# 57

Delta R.T. -0.02 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

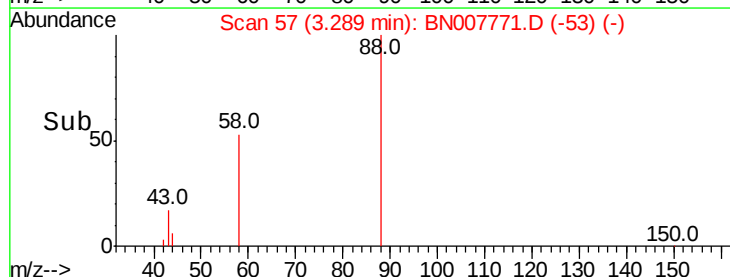
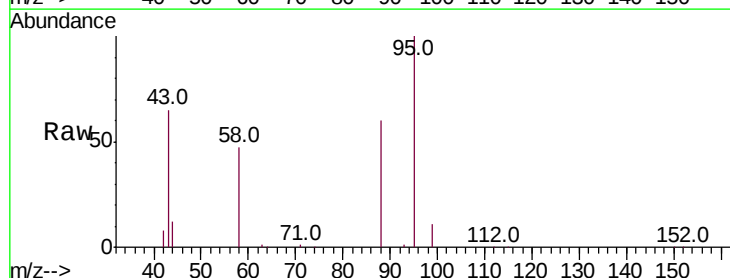
Tgt Ion: 88 Resp: 23441

Ion Ratio Lower Upper

88 100

58 60.7 44.6 66.8

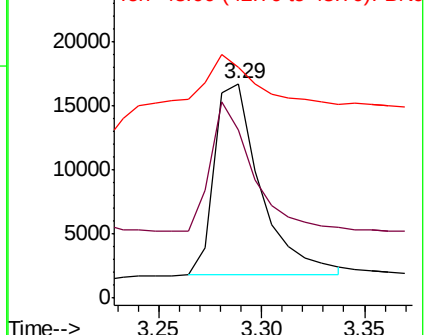
43 24.9 14.4 21.6#



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





#3

n-Nitrosodimethylamine

Concen: 56.835 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

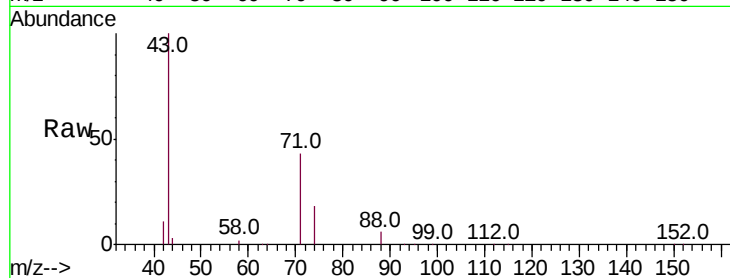
Tot Ion: 42 Resp: 191034

Ion Ratio Lower Upper

42 100

74 151.2 87.9 131.9#

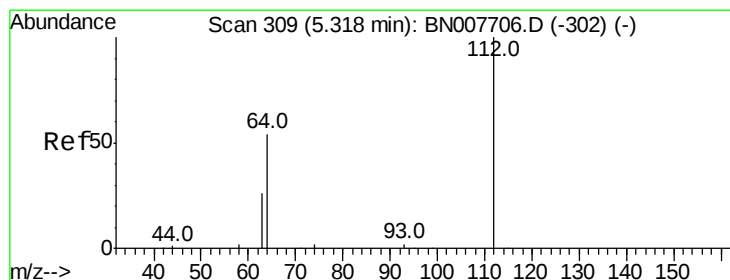
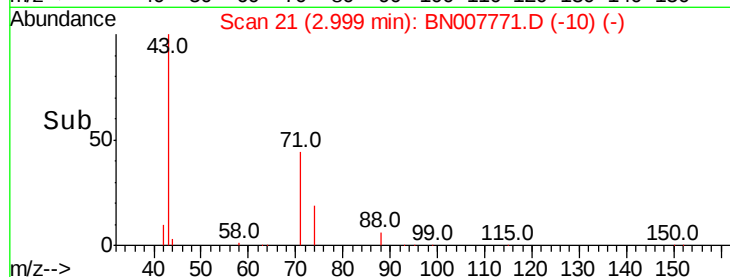
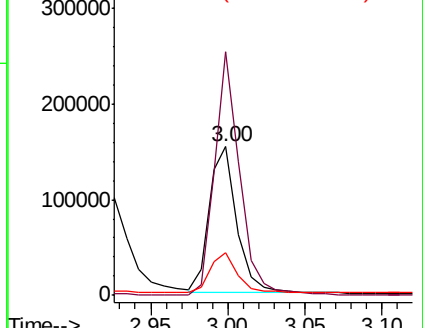
44 26.8 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BN007706.D (-20) (-)

Ion 74.00 (73.70 to 74.70): BN007771.D (-10) (-)

Ion 44.00 (43.70 to 44.70): BN007771.D (-10) (-)



#4

2-Fluorophenol

Concen: 0.099 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

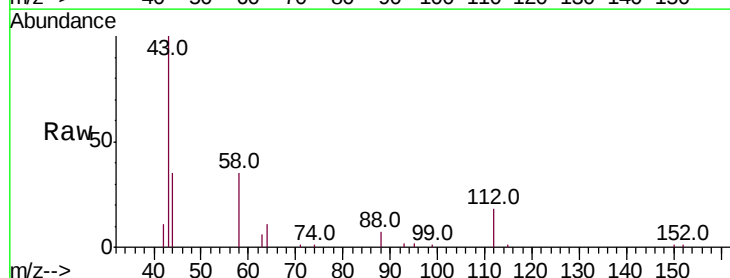
Tgt Ion: 112 Resp: 2241

Ion Ratio Lower Upper

112 100

64 59.7 46.6 70.0

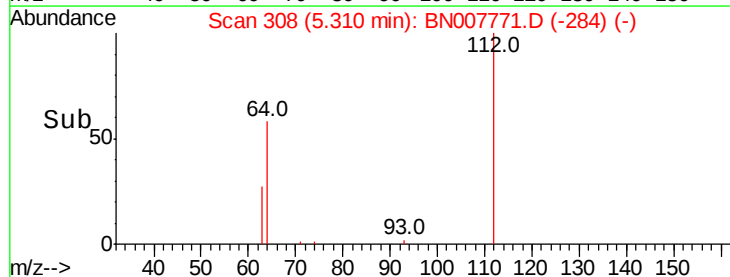
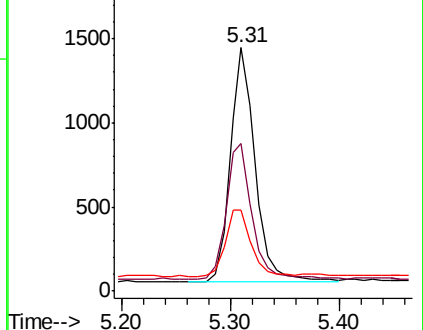
63 29.5 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BN007706.D (-302) (-)

Ion 64.00 (63.70 to 64.70): BN007771.D (-284) (-)

Ion 63.00 (62.70 to 63.70): BN007771.D (-284) (-)





#5

Phenol-d6

Concen: 0.056 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

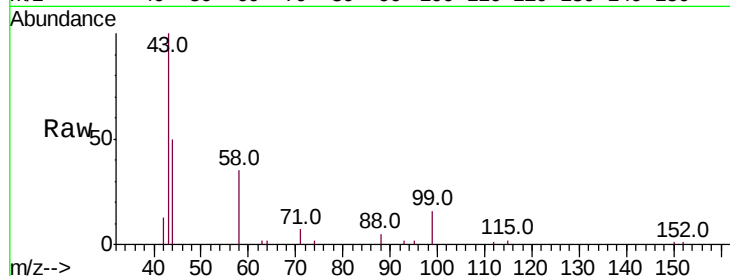
Tot Ion: 99 Resp: 1722

Ion Ratio Lower Upper

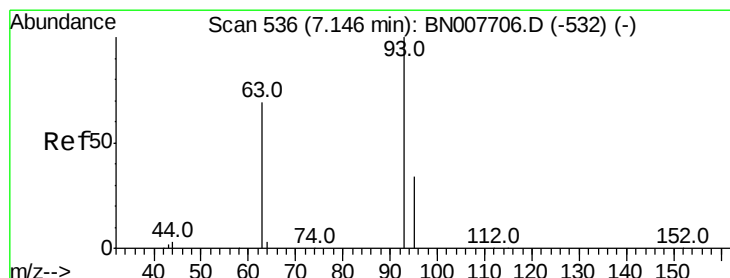
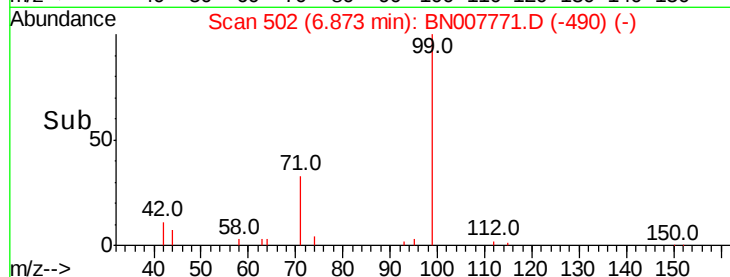
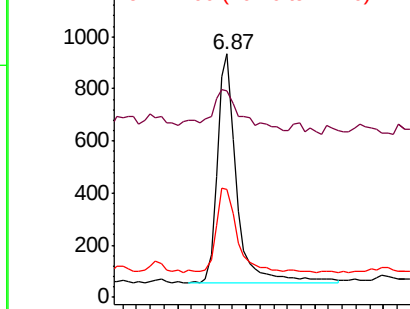
99 100

42 29.8 12.8 19.2#

71 38.4 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.095 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

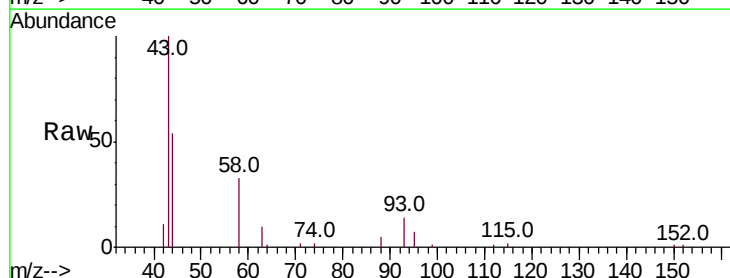
Tgt Ion: 93 Resp: 1778

Ion Ratio Lower Upper

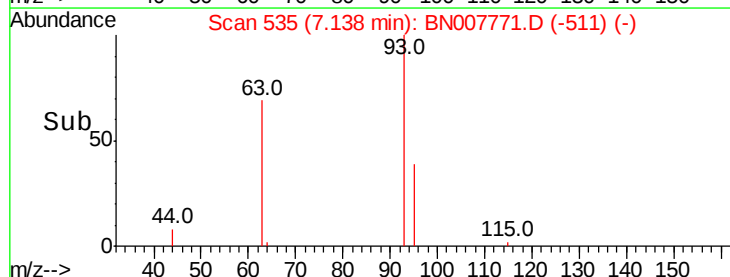
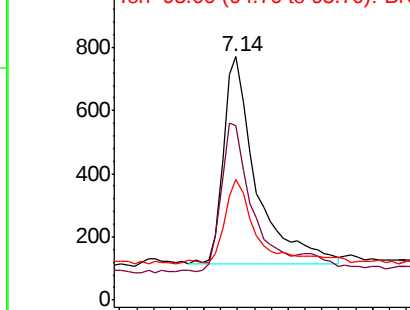
93 100

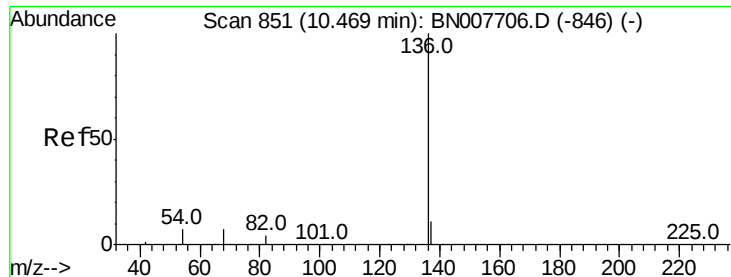
63 67.1 59.3 88.9

95 38.6 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

Tot Ion:136 Resp: 25048

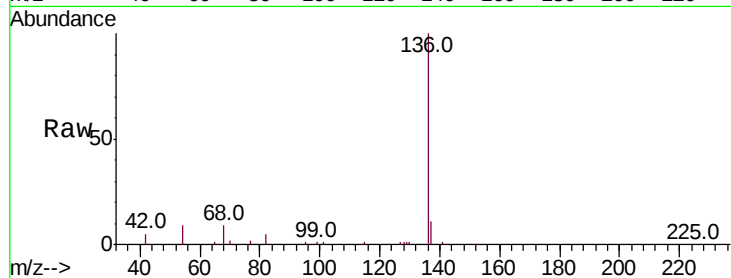
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 8.6 5.8 8.8

68 8.9 6.5 9.7

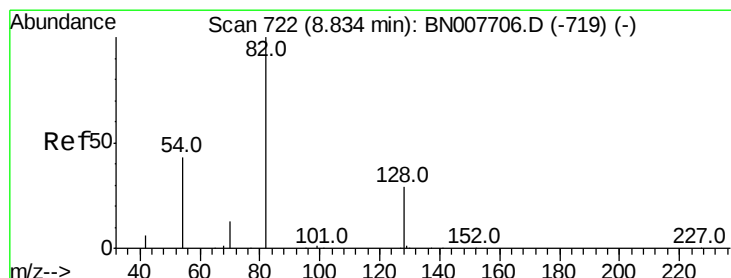
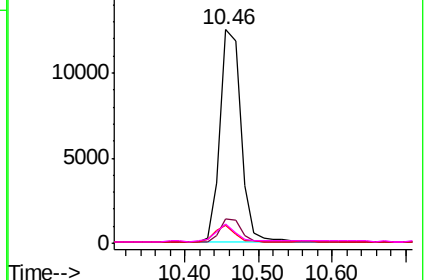
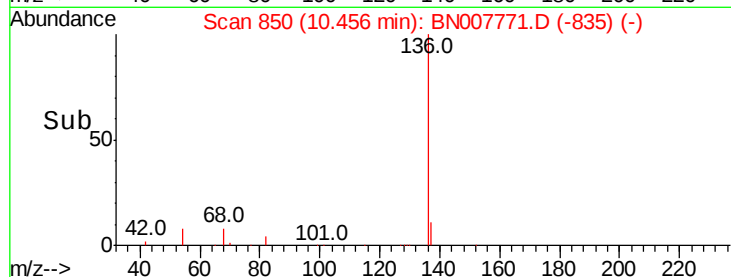


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.274 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

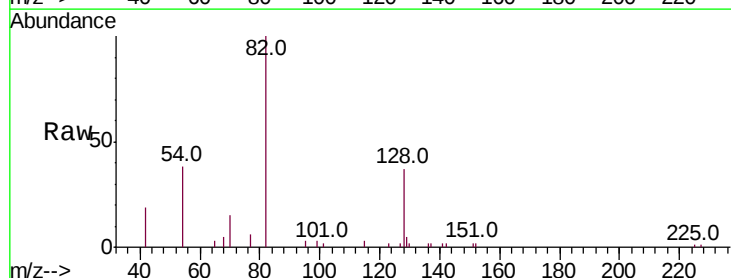
Tgt Ion: 82 Resp: 6001

Ion Ratio Lower Upper

82 100

128 37.5 24.5 36.7#

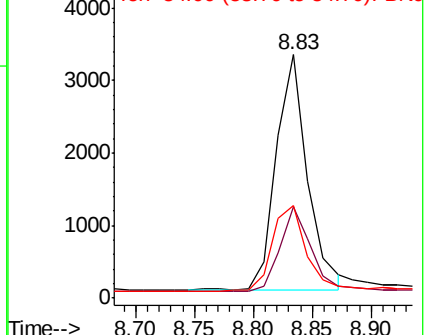
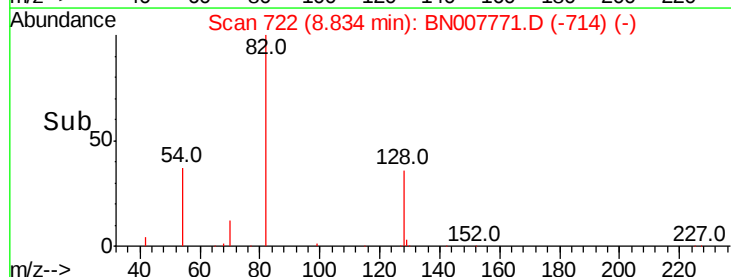
54 38.2 35.2 52.8

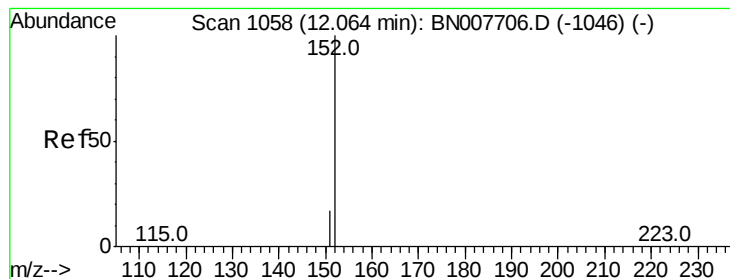


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.05 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

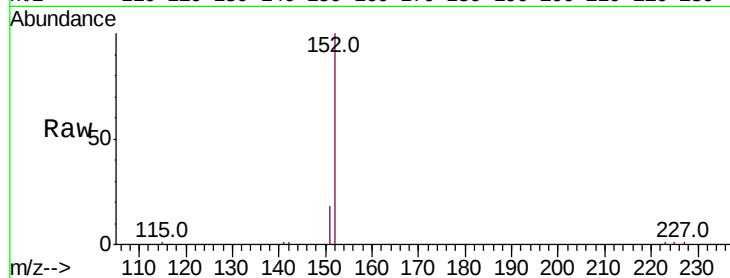
RE108D2-20190918

Tot Ion:152 Resp: 13689

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.05

8000

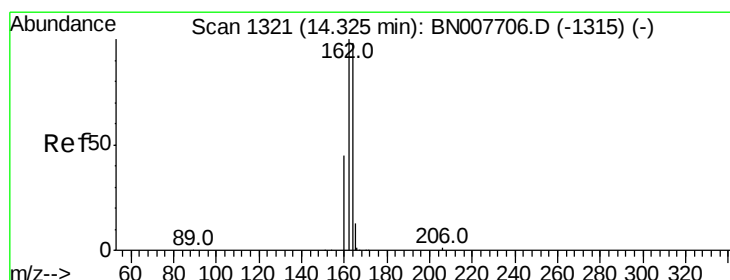
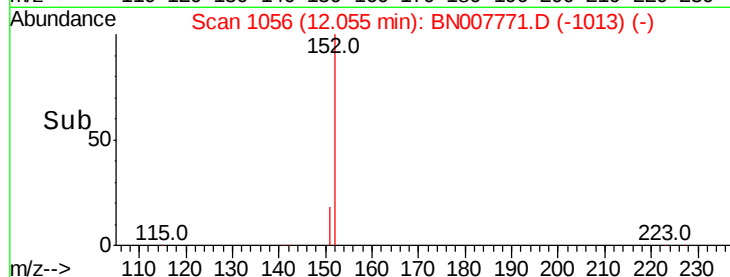
6000

4000

2000

0

Time--> 11.90 12.00 12.10 12.20



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

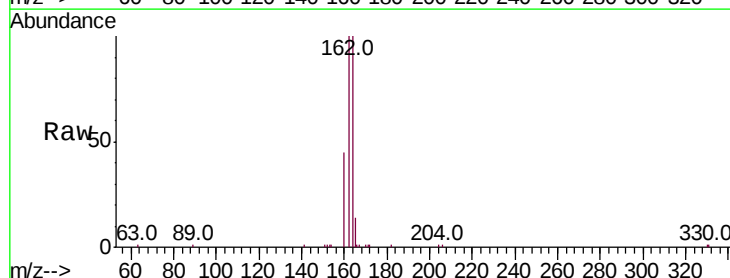
Tgt Ion:164 Resp: 14880

Ion Ratio Lower Upper

164 100

162 99.6 81.7 122.5

160 45.0 37.0 55.4



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

14.32

12000

10000

8000

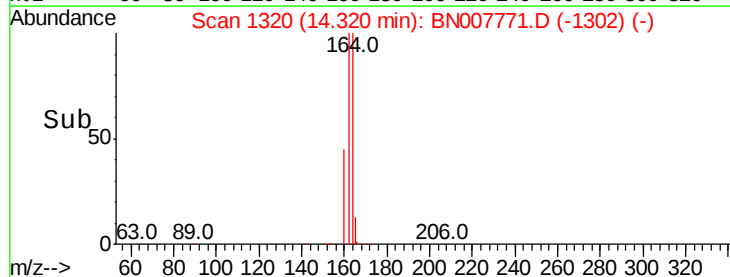
6000

4000

2000

0

Time--> 14.20 14.30 14.40 14.50

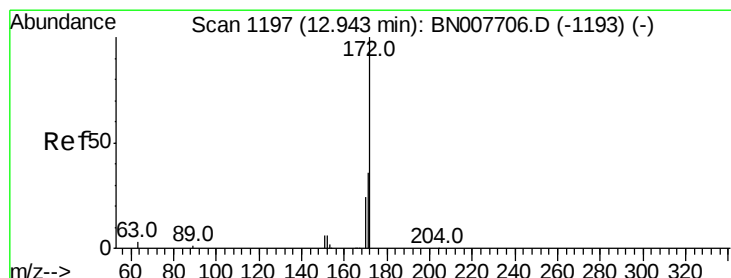
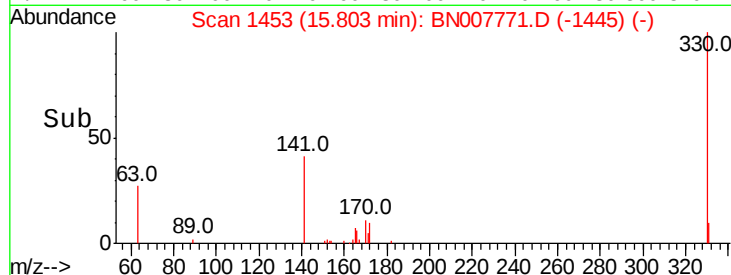
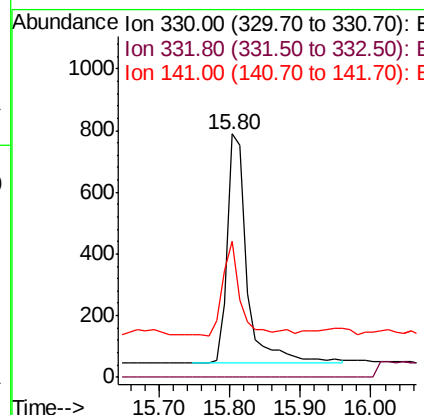
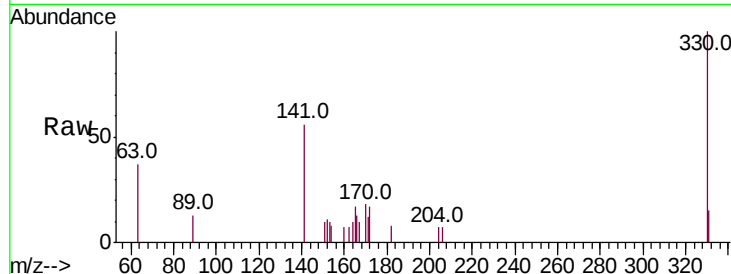




#14
 2,4,6-Tribromophenol
 Concen: 0.185 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN007771.D
 Acq: 20 Sep 2019 19:20

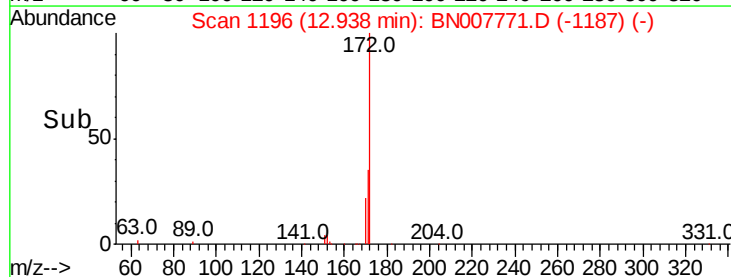
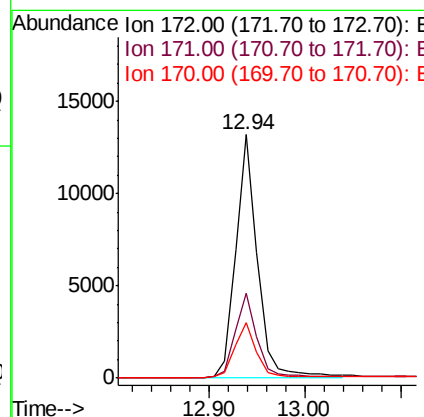
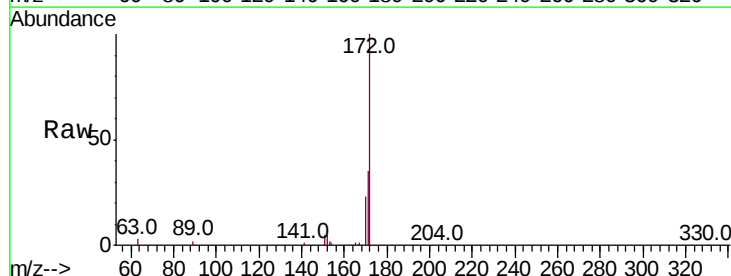
Instrument :
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 RE108D2-20190918

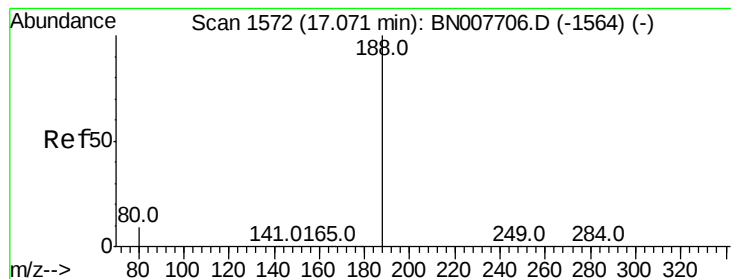
Tot Ion:330 Resp: 1501
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 33.0 28.7 43.1



#15
 2-Fluorobiphenyl
 Concen: 0.335 ng
 RT: 12.94 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BN007771.D
 Acq: 20 Sep 2019 19:20

Tgt Ion:172 Resp: 20524
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.8 43.2
 170 22.6 19.5 29.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

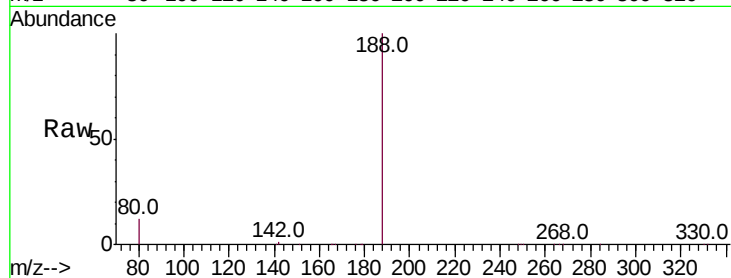
Tot Ion:188 Resp: 33168

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

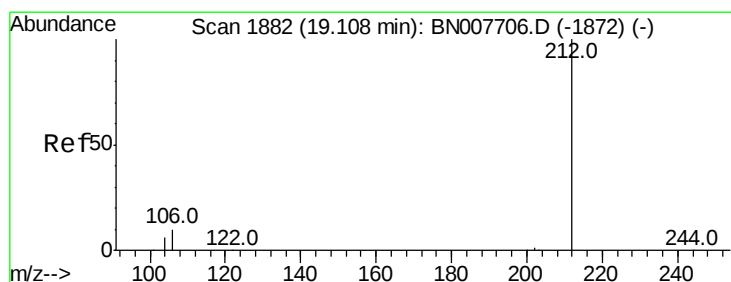
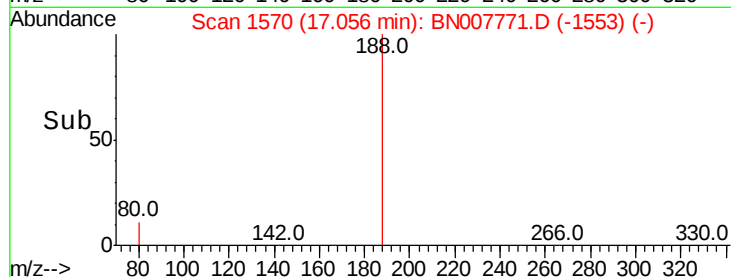
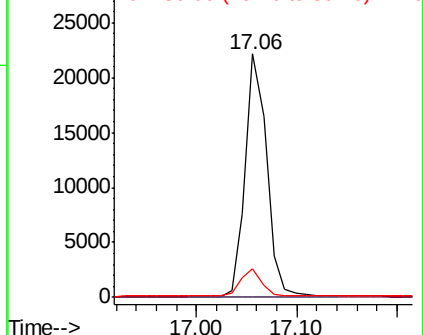
80 11.5 7.4 11.2#



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



#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.09 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

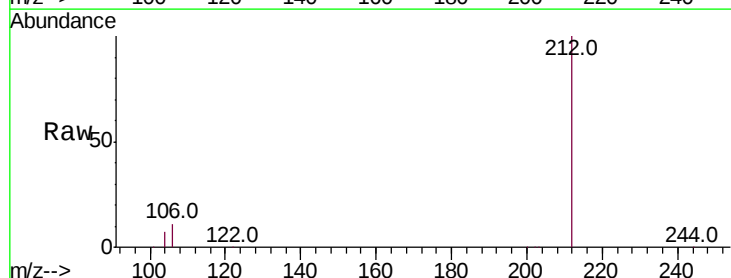
Tgt Ion:212 Resp: 37089

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

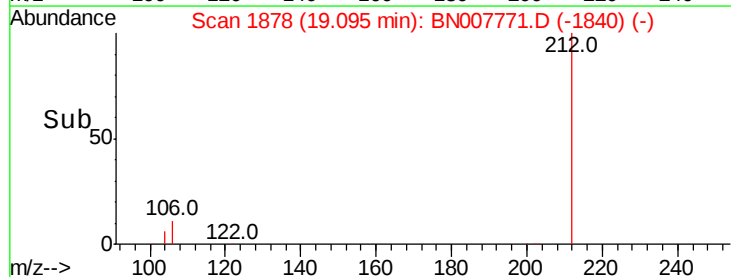
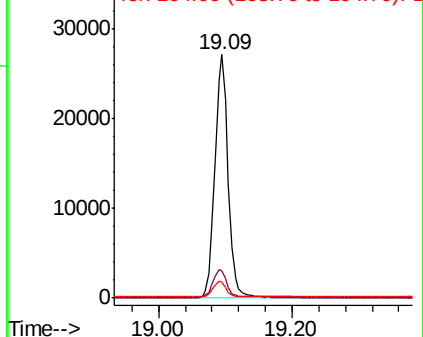
104 6.6 5.3 7.9

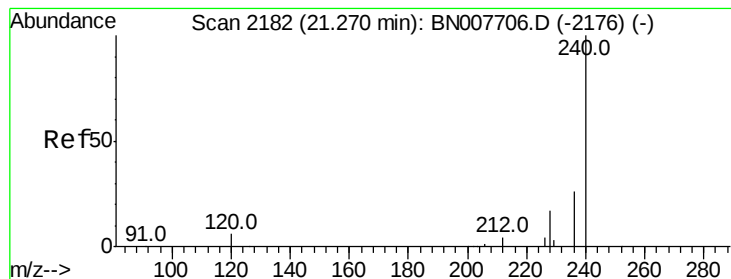


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.25 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

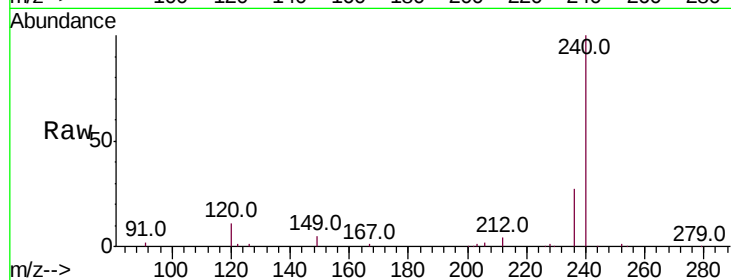
Tot Ion:240 Resp: 36512

Ion Ratio Lower Upper

240 100

120 10.7 5.4 8.2#

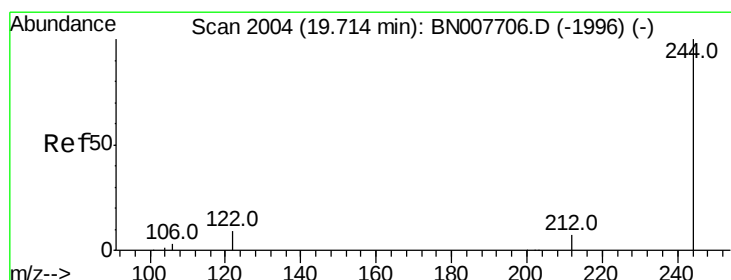
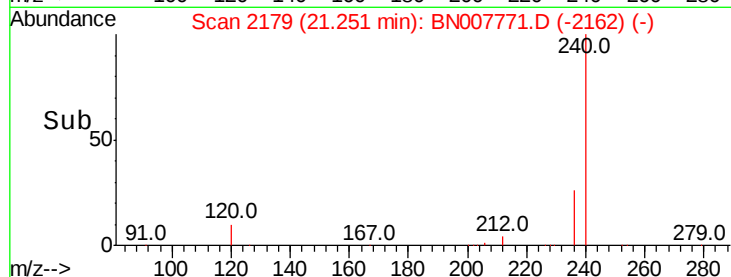
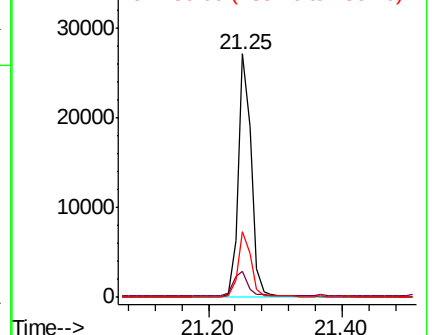
236 26.7 21.0 31.4



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: 0.361 ng

RT: 19.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

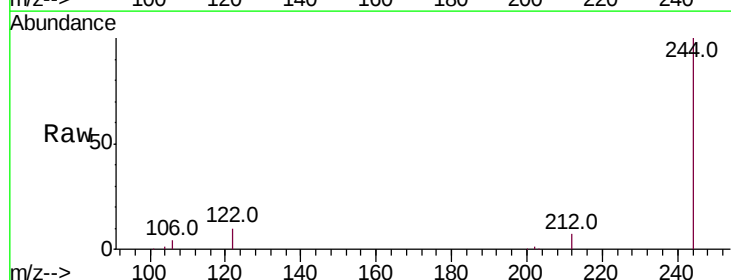
Tgt Ion:244 Resp: 32333

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

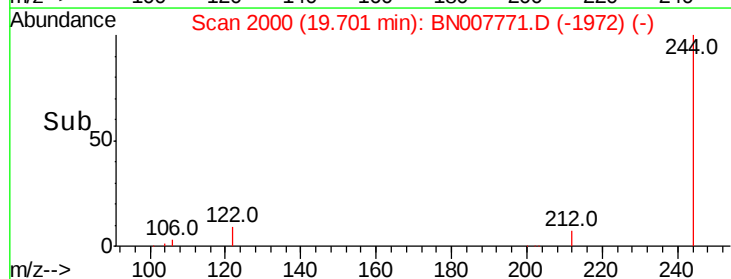
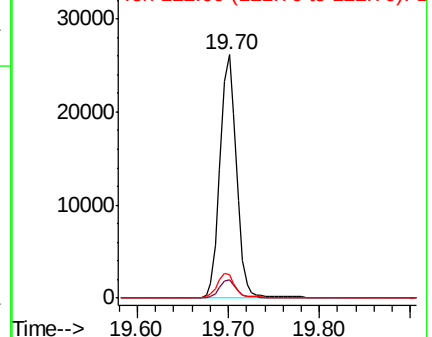
122 9.5 7.4 11.2

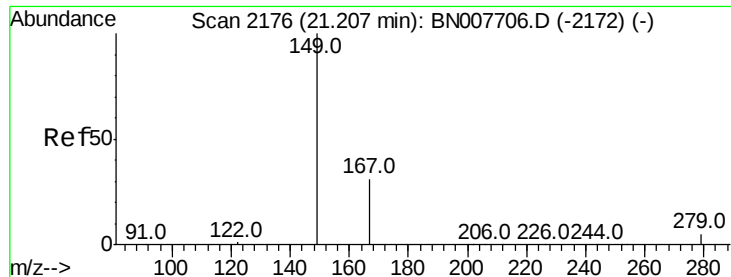


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng

RT: 21.19 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Instrument :

BNA_N

ClientSampleId :

RE108D2-20190918

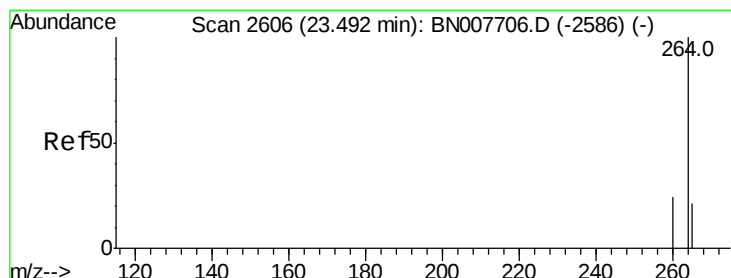
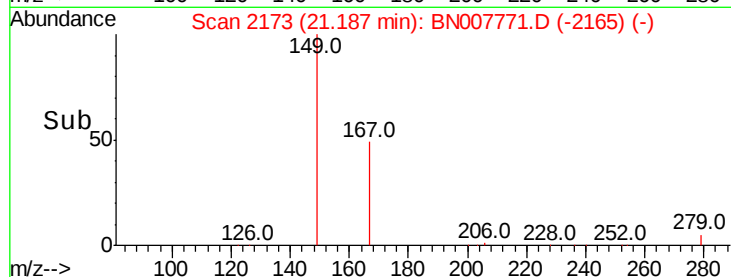
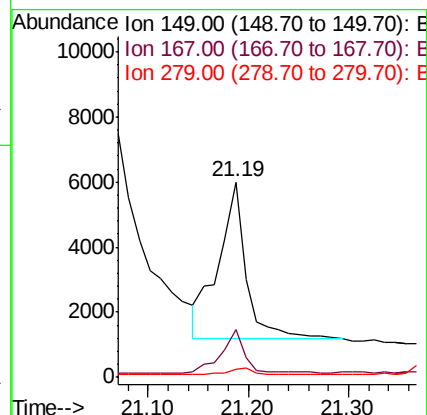
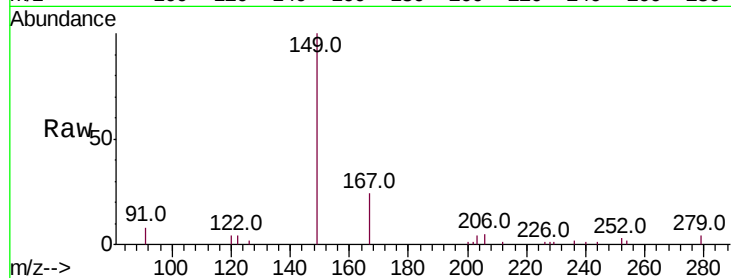
Tot Ion:149 Resp: 9222

Ion Ratio Lower Upper

149 100

167 22.1 23.7 35.5#

279 3.1 4.2 6.2#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2597

Delta R.T. -0.03 min

Lab File: BN007771.D

Acq: 20 Sep 2019 19:20

Tgt Ion:264 Resp: 38137

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 32.4 26.9 40.3

