

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007876.D
 Acq On : 26 Sep 2019 05:42
 Operator : JU
 Sample : K4974-05DL 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D4-20190916DL

Quant Time: Sep 26 07:47:20 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

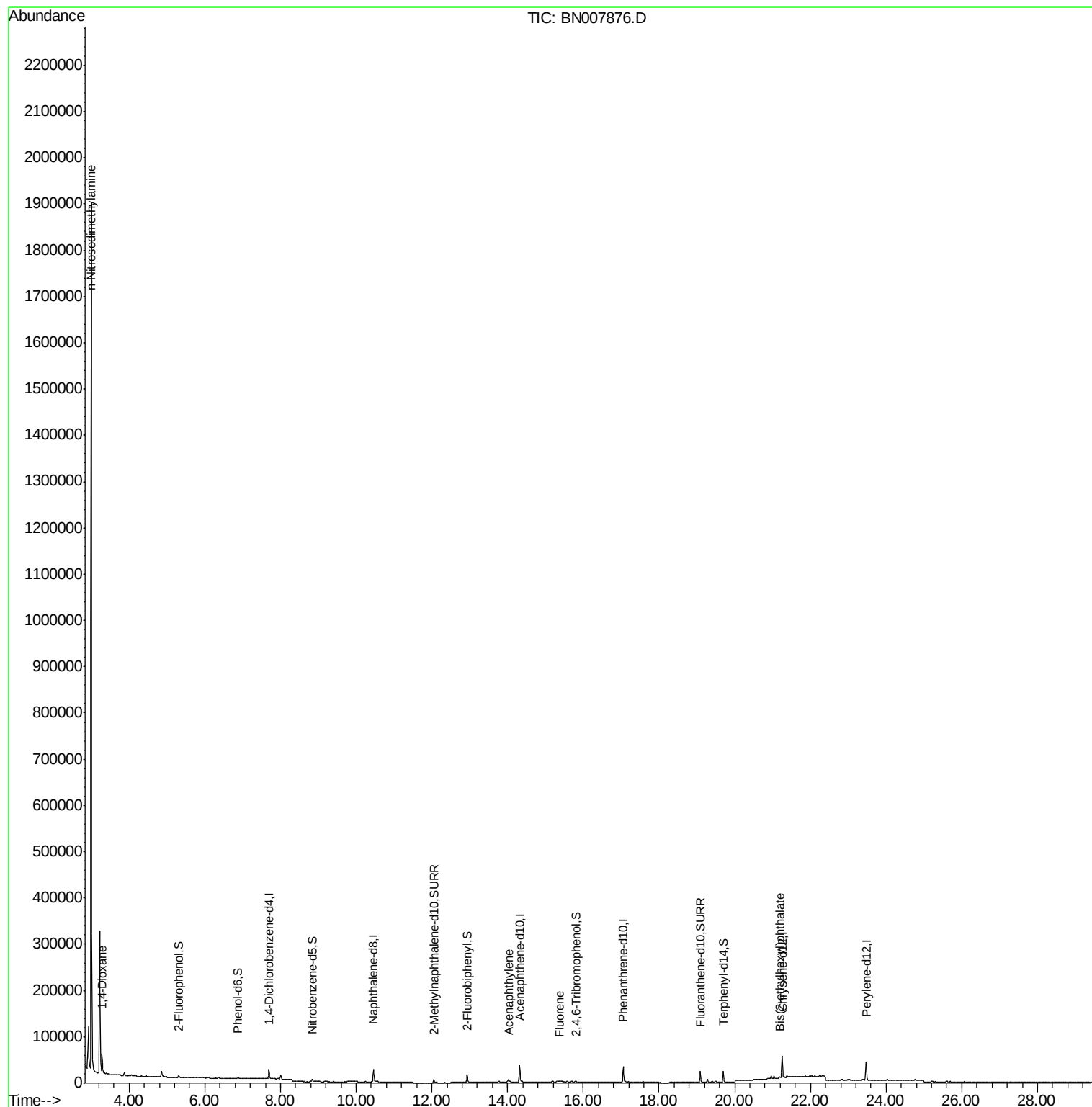
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	9562	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	37977	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	22504	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	45346	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	48468	0.40	ng	-0.01
34) Perylene-d12	23.47	264	53086	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	2228	0.07	ng	0.00
5) Phenol-d6	6.87	99	1779	0.04	ng	0.00
8) Nitrobenzene-d5	8.83	82	5639	0.17	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	10895	0.17	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1748	0.14	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16590	0.18	ng	-0.01
25) Fluoranthene-d10	19.09	212	26713	0.17	ng	-0.01
29) Terphenyl-d14	19.70	244	24903	0.21	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	33466	3.140	ng	94
3) n-Nitrosodimethylamine	3.00	42	138413	28.355	ng	# 66
16) Acenaphthylene	14.02	152	13712	0.115	ng	95
18) Fluorene	15.37	166	2414	0.024	ng	# 54
32) Bis(2-ethylhexyl)phthalate	21.19	149	3440	0.037	ng	# 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 604

Delta R.T. -0.01 min

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Acq: 26 Sep 2019 05:42

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BNA_N

ClientSampleId :

RE132D4-20190916DL

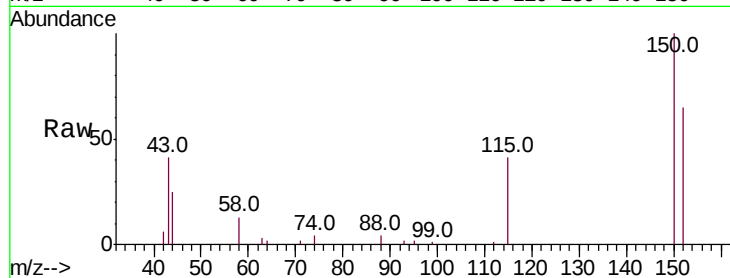
Tot Ion:152 Resp: 9562

Ion Ratio Lower Upper

152 100

150 152.9 125.6 188.4

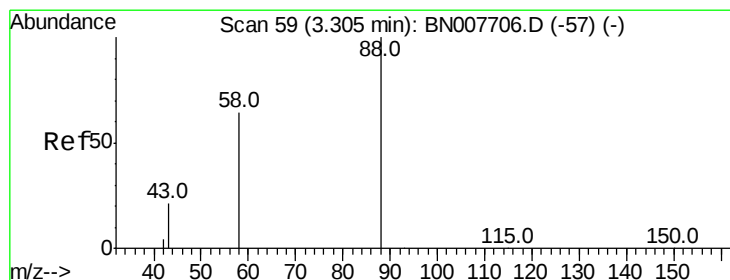
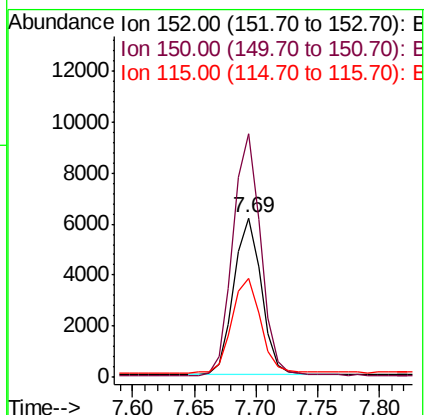
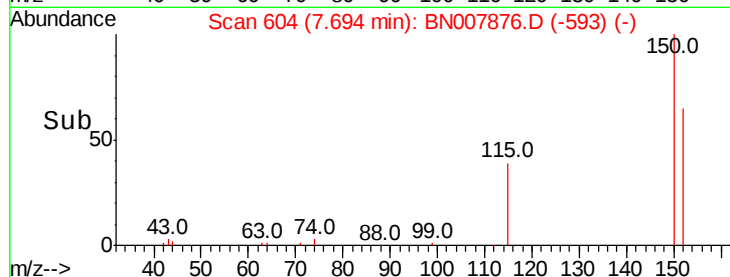
115 62.4 53.3 79.9



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: 3.140 ng

RT: 3.29 min Scan# 57

Delta R.T. -0.02 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

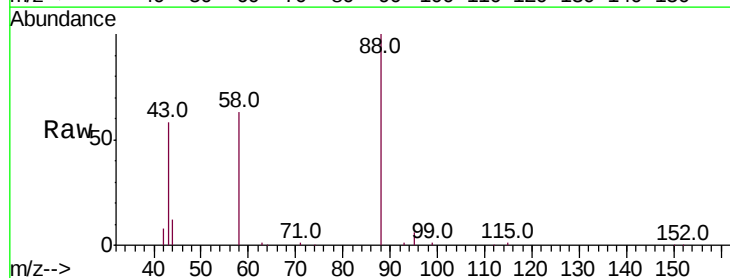
Tgt Ion: 88 Resp: 33466

Ion Ratio Lower Upper

88 100

58 60.2 44.6 66.8

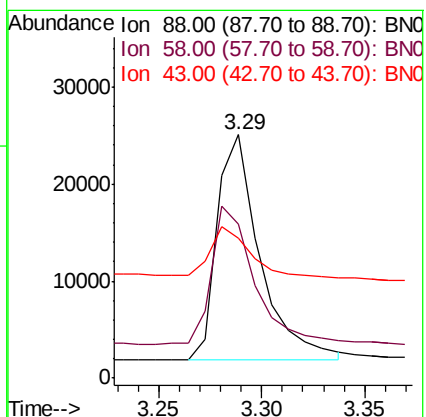
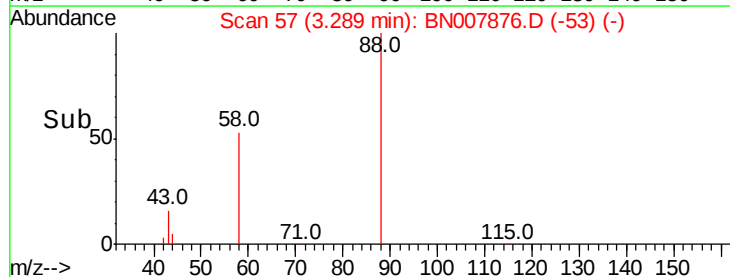
43 21.0 14.4 21.6



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: 28.355 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

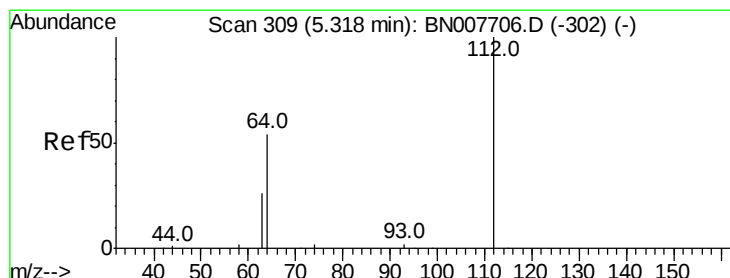
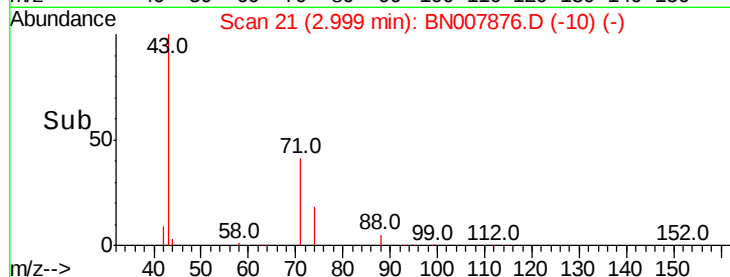
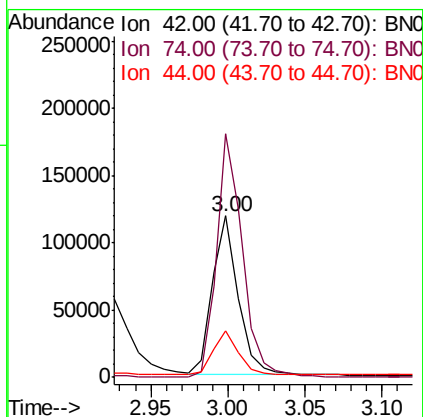
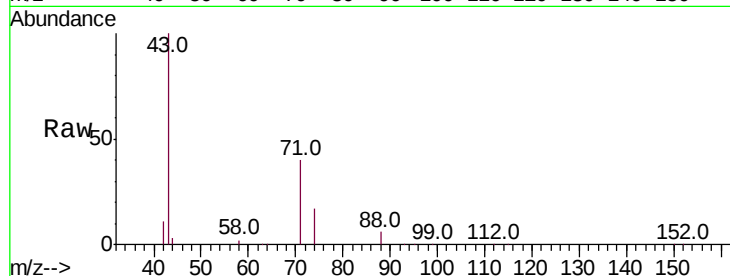
Lab File: BN007876.D

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Instrument :
BNA_N
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RE132D4-20190916DL

Tot Ion: 42 Resp: 138413

Ion	Ratio	Lower	Upper
42	100		
74	152.0	87.9	131.9#
44	27.2	29.4	44.0#



#4

2-Fluorophenol

Concen: 0.068 ng

RT: 5.31 min Scan# 308

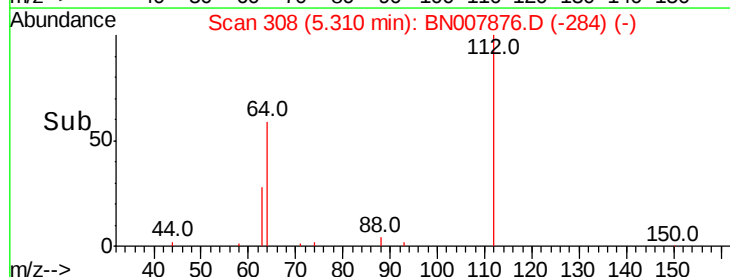
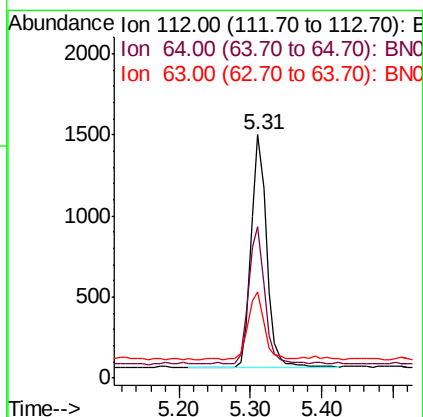
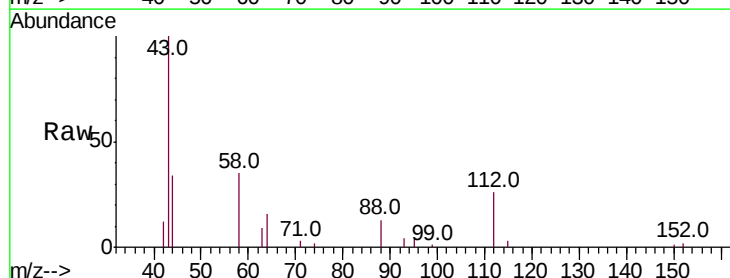
Delta R.T. -0.01 min

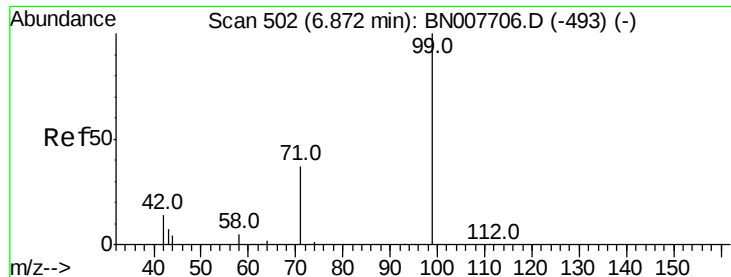
Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Tgt Ion: 112 Resp: 2228

Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.6	70.0
63	29.7	23.1	34.7





#5

Phenol-d6

Concen: 0.038 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

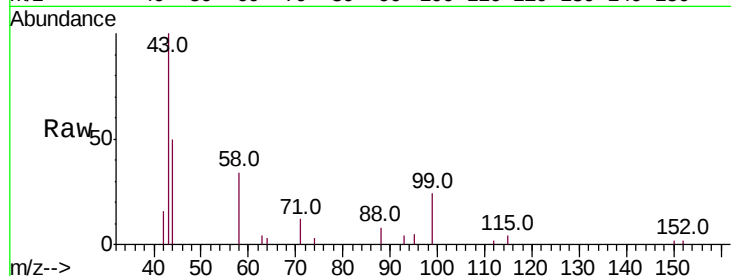
Tot Ion: 99 Resp: 1779

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

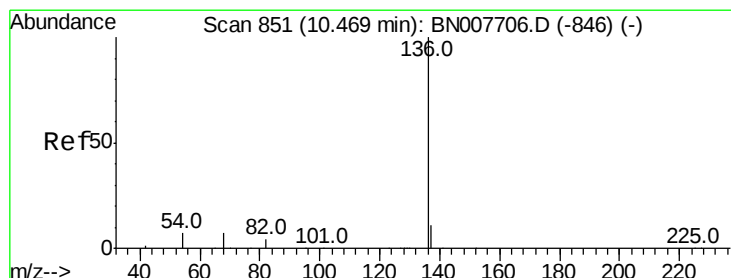
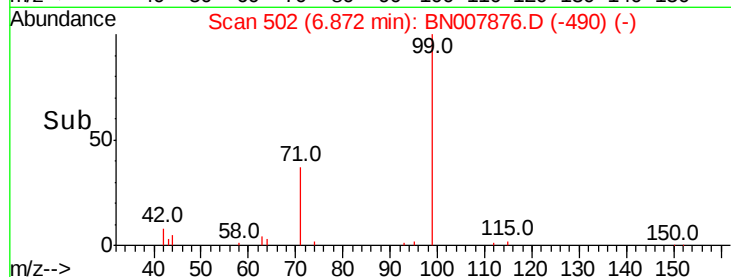
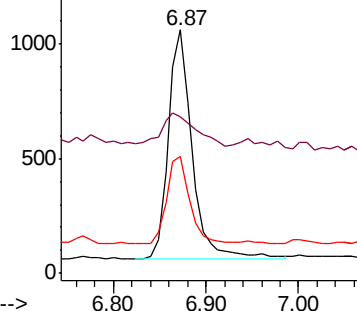
71 37.2 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Tgt Ion: 136 Resp: 37977

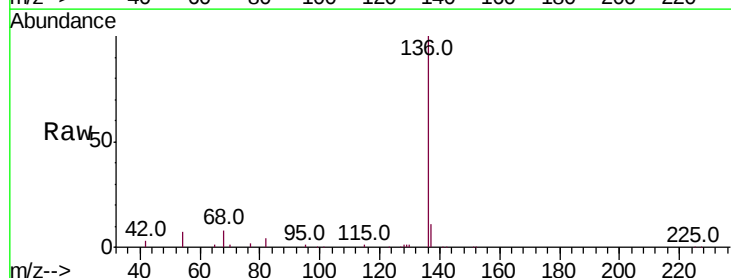
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.2 5.8 8.8

68 7.8 6.5 9.7

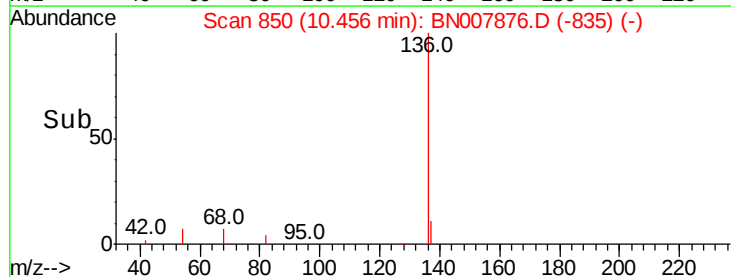
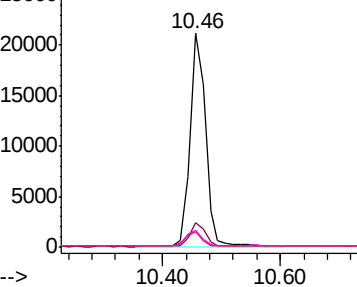


Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)





#8

Nitrobenzene-d5

Concen: 0.170 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

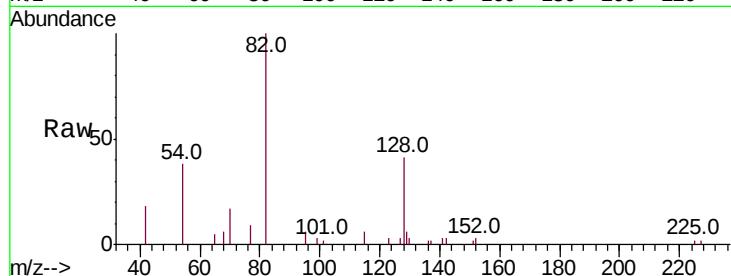
Tot Ion: 82 Resp: 5639

Ion Ratio Lower Upper

82 100

128 40.5 24.5 36.7#

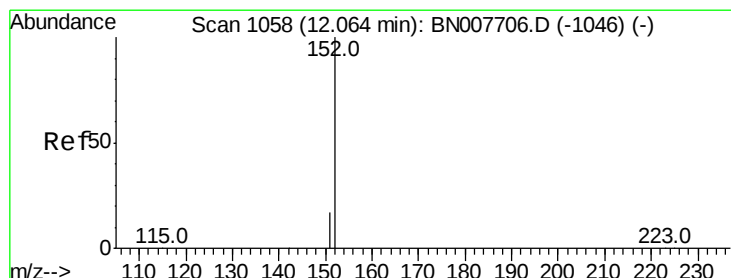
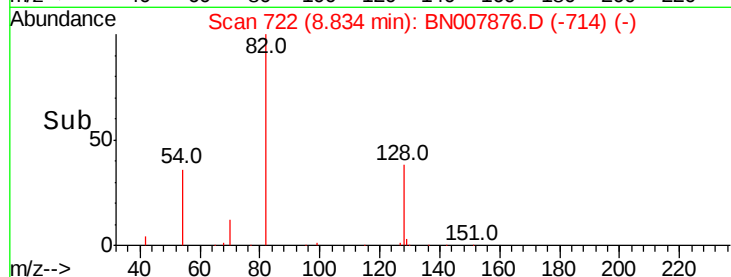
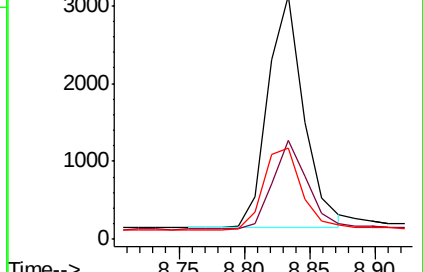
54 37.7 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.170 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007876.D

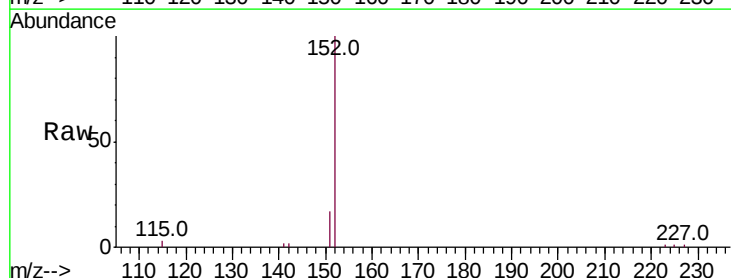
Acq: 26 Sep 2019 05:42

Tgt Ion: 152 Resp: 10895

Ion Ratio Lower Upper

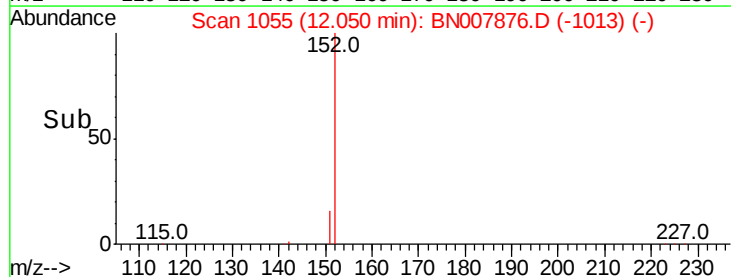
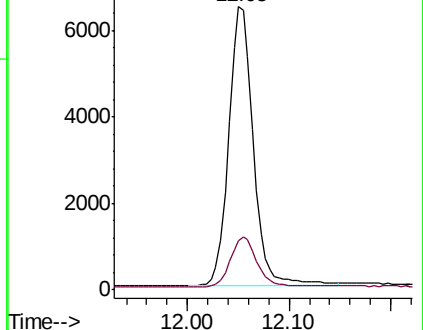
152 100

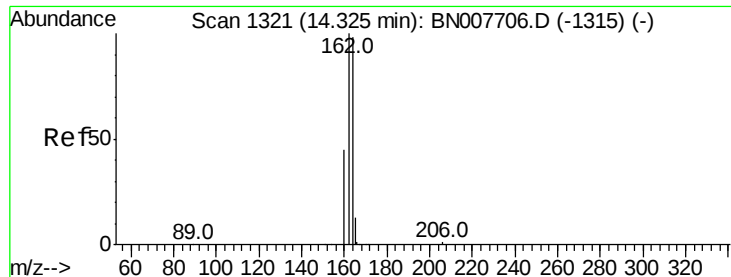
151 18.9 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

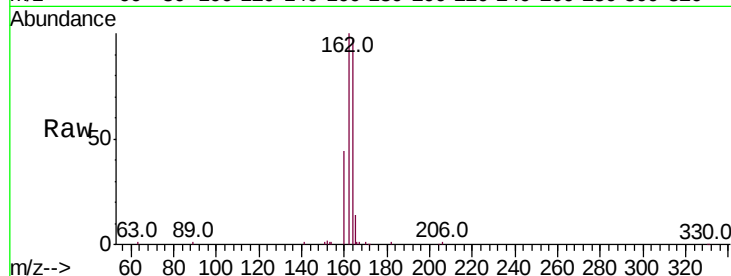
Tot Ion:164 Resp: 22504

Ion Ratio Lower Upper

164 100

162 103.5 81.7 122.5

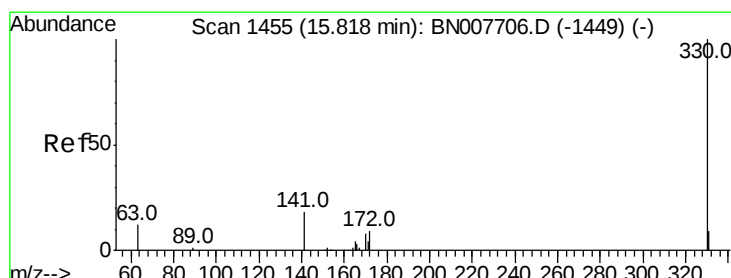
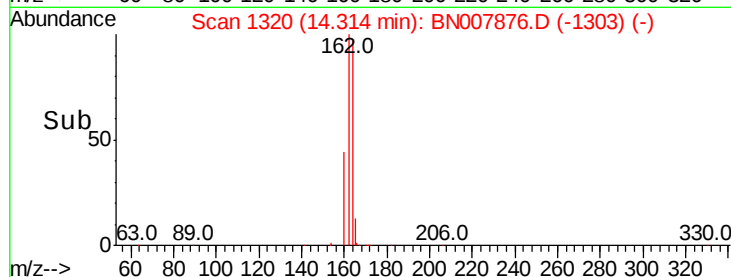
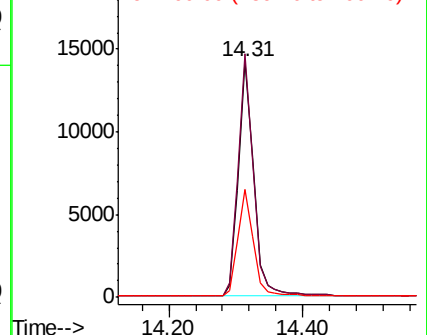
160 45.8 37.0 55.4



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

2,4,6-Tribromophenol

Concen: 0.143 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

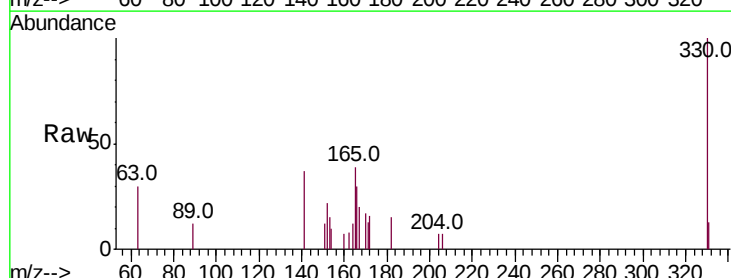
Tgt Ion:330 Resp: 1748

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

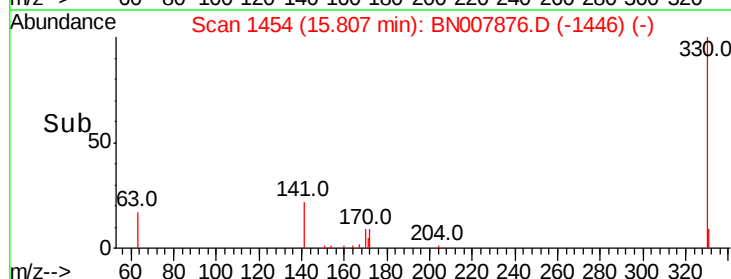
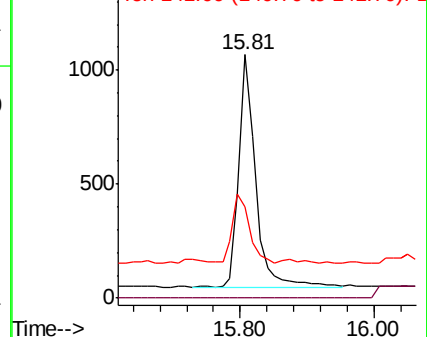
141 29.7 28.7 43.1

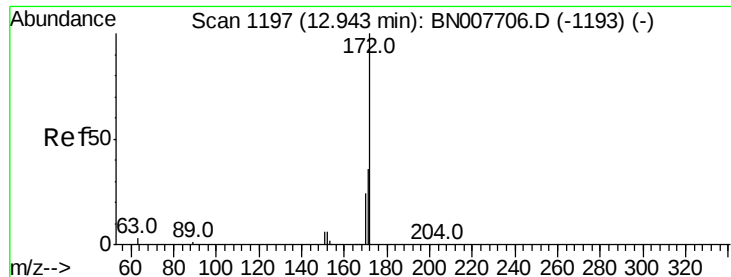


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

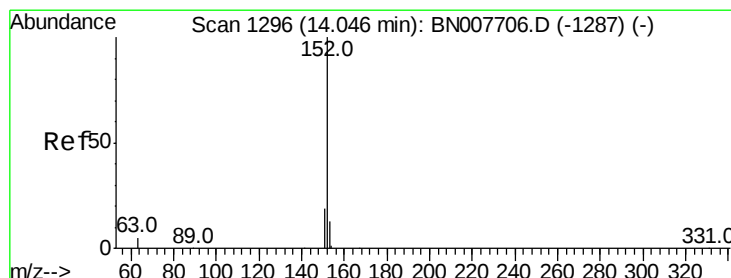
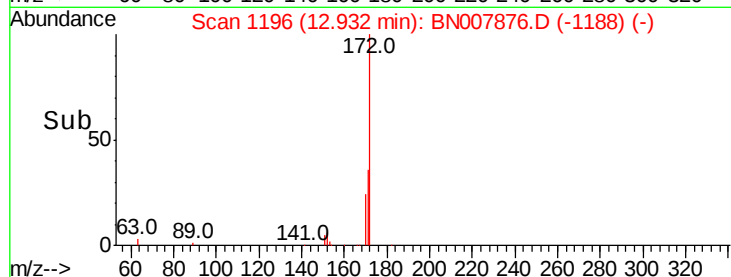
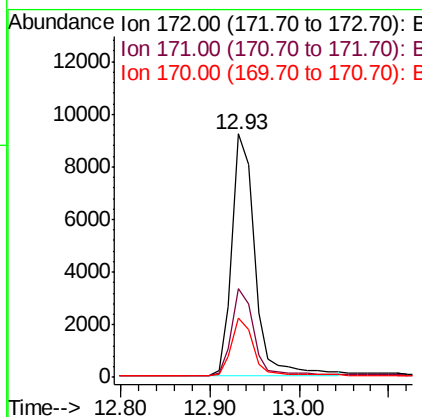
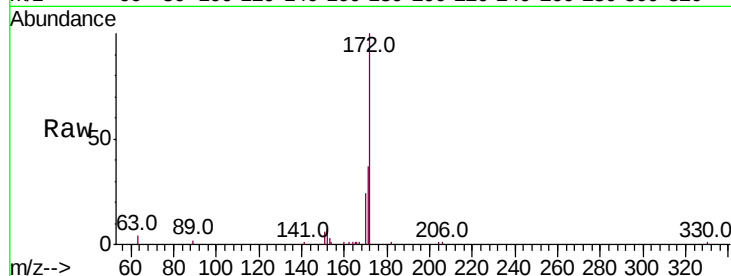




#15
2-Fluorobiphenyl
Concen: 0.179 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007876.D
Acq: 26 Sep 2019 05:42

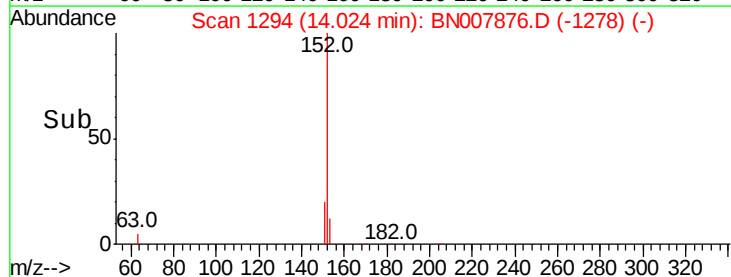
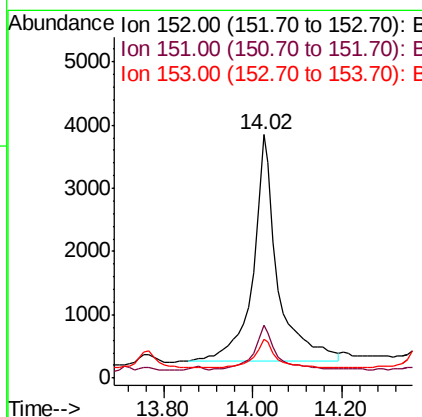
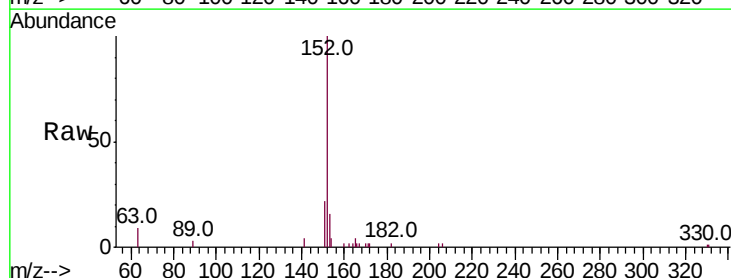
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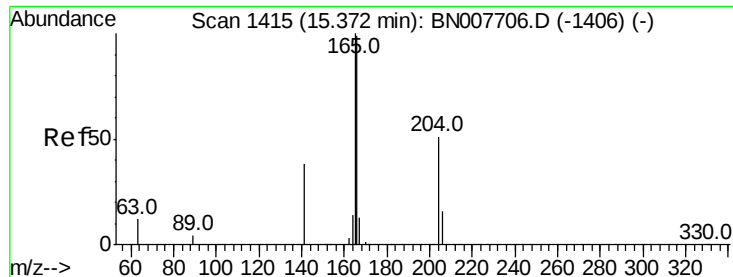
Tot Ion:172 Resp: 16590
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.3 19.5 29.3



#16
Acenaphthylene
Concen: 0.115 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007876.D
Acq: 26 Sep 2019 05:42

Tgt Ion:152 Resp: 13712
Ion Ratio Lower Upper
152 100
151 17.3 15.5 23.3
153 11.0 10.4 15.6





#18

Fluorene

Concen: 0.024 ng

RT: 15.37 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

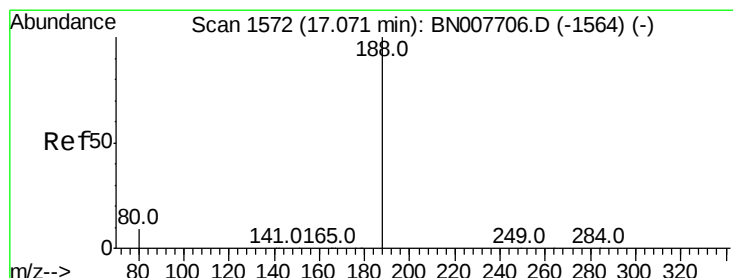
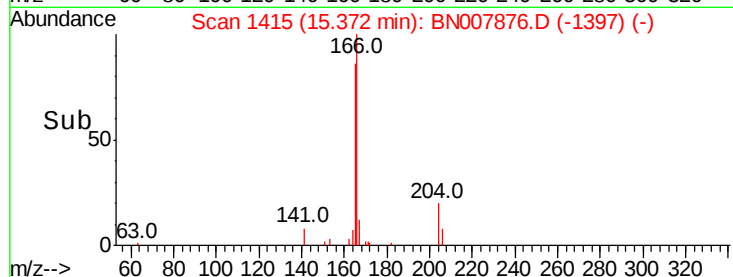
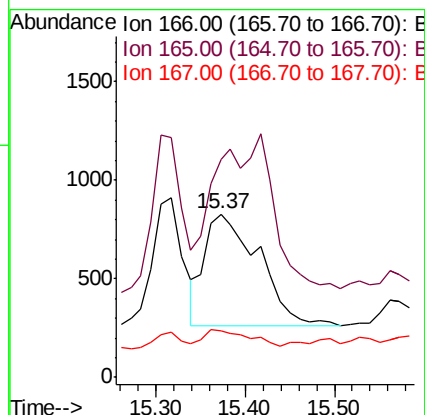
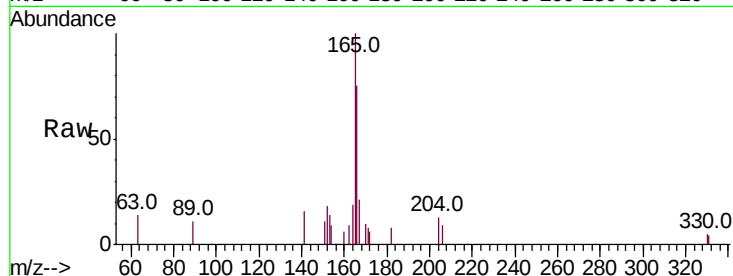
Tot Ion:166 Resp: 2414

Ion Ratio Lower Upper

166 100

165 50.0 78.0 117.0#

167 0.0 10.9 16.3#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

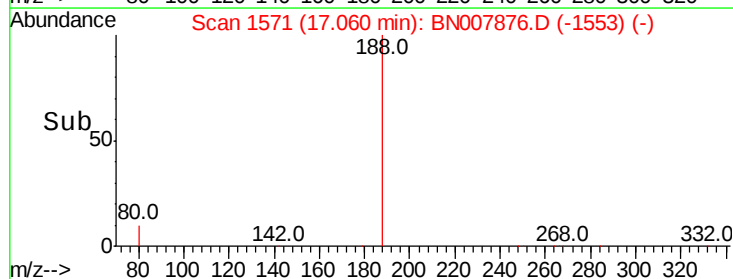
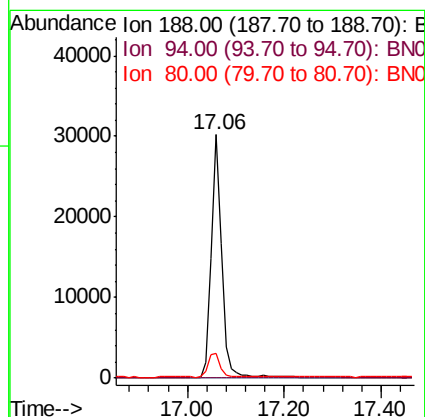
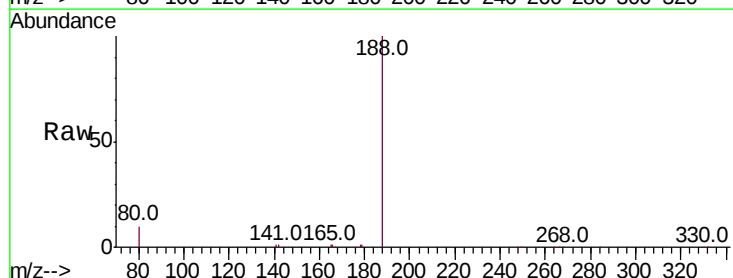
Tgt Ion:188 Resp: 45346

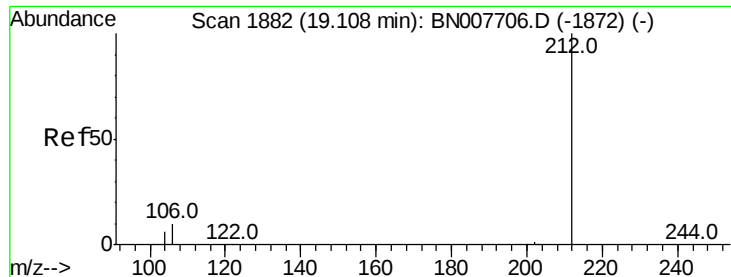
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 7.4 11.2





#25

Fluoranthene-d10

Concen: 0.175 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

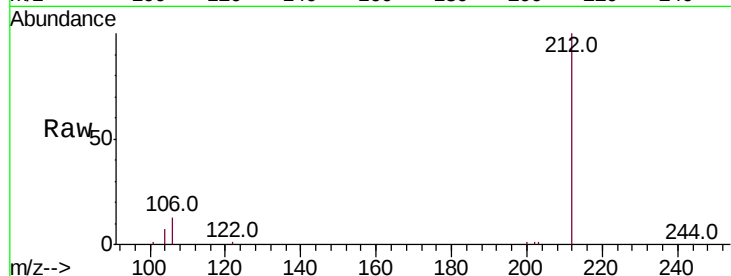
Tot Ion:212 Resp: 26713

Ion Ratio Lower Upper

212 100

106 12.0 9.4 14.0

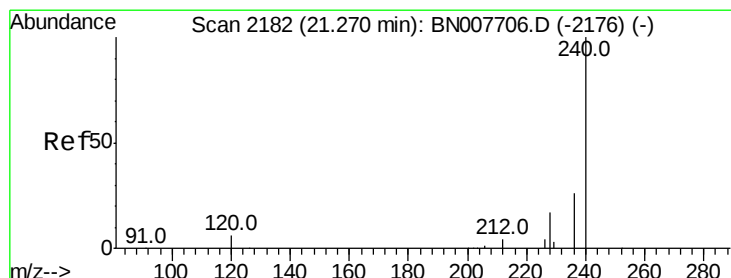
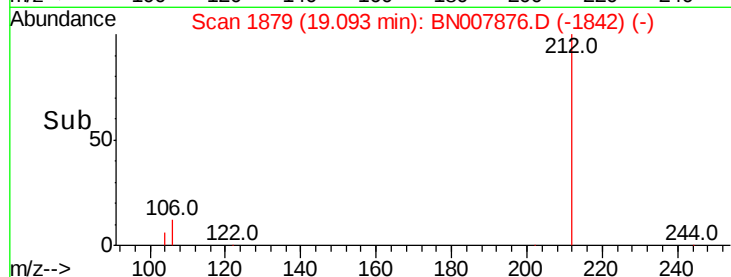
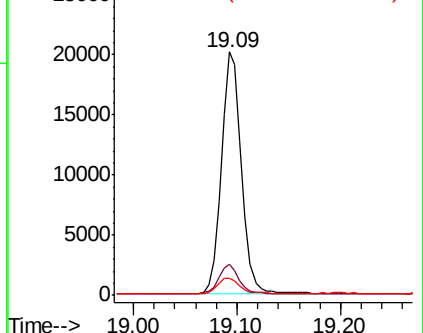
104 6.6 5.3 7.9



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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

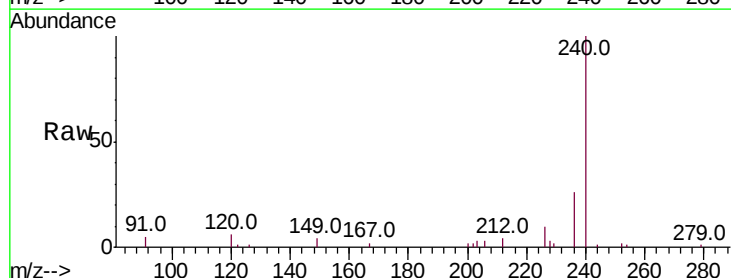
Tgt Ion:240 Resp: 48468

Ion Ratio Lower Upper

240 100

120 5.8 5.4 8.2

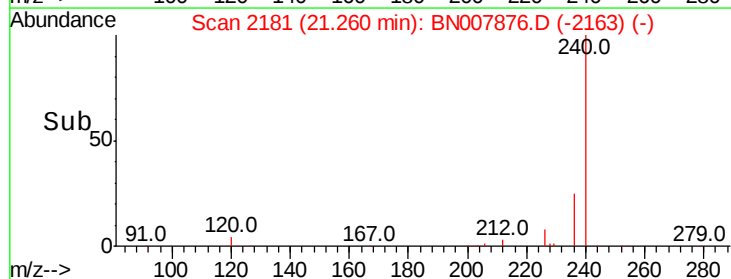
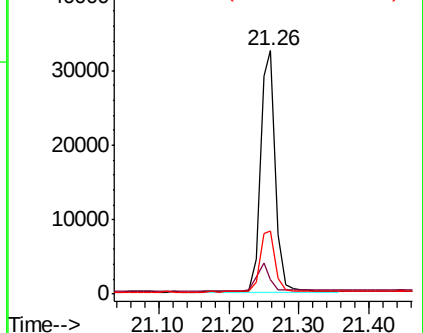
236 25.9 21.0 31.4

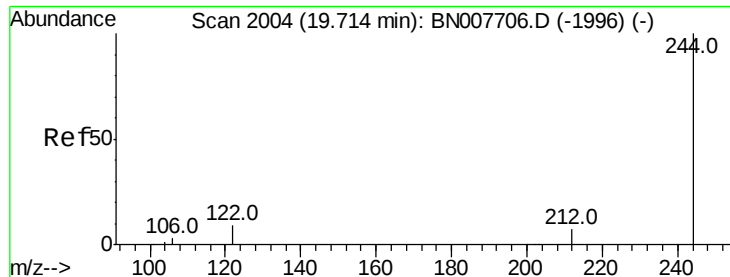


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.209 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

Instrument :

BNA_N

ClientSampleId :

RE132D4-20190916DL

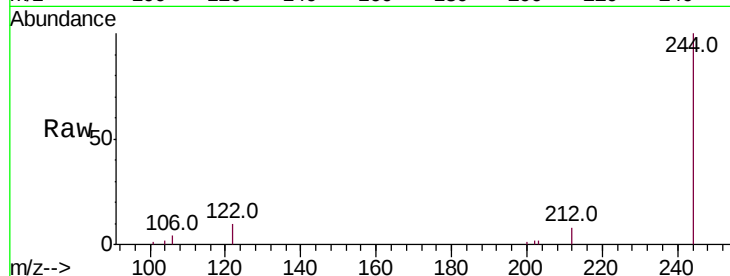
Tot Ion:244 Resp: 24903

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

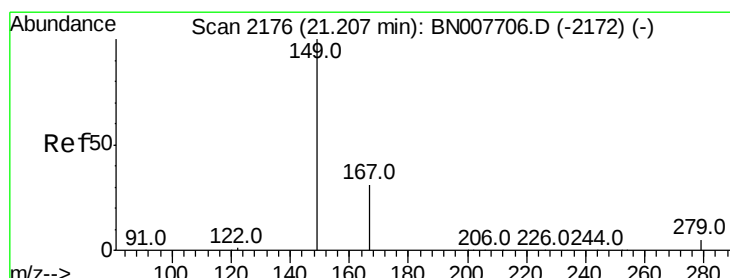
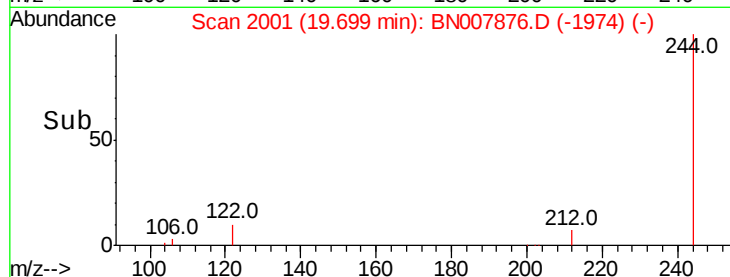
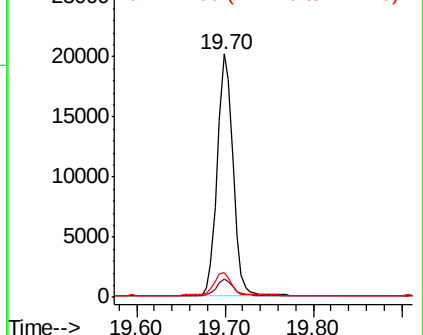
122 10.3 7.4 11.2



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: 0.037 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007876.D

Acq: 26 Sep 2019 05:42

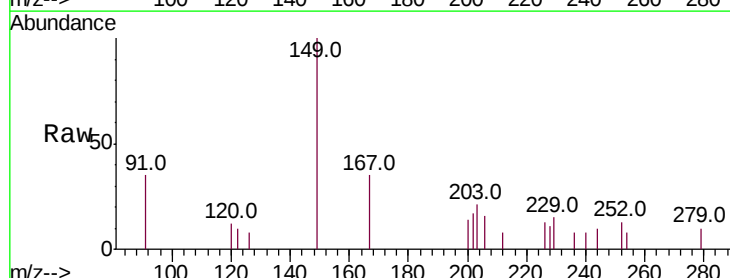
Tgt Ion:149 Resp: 3440

Ion Ratio Lower Upper

149 100

167 29.6 23.7 35.5

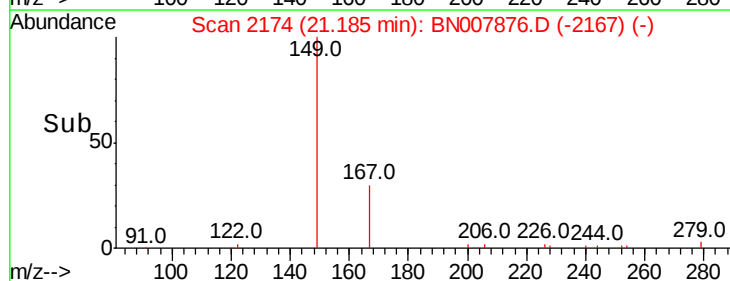
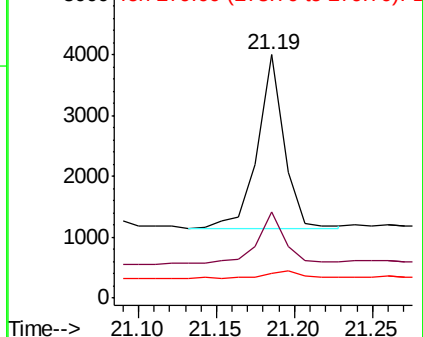
279 6.4 4.2 6.2#

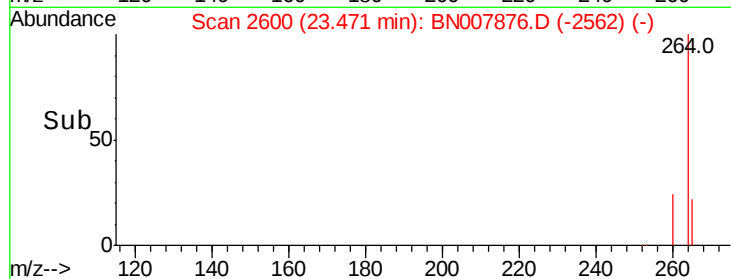
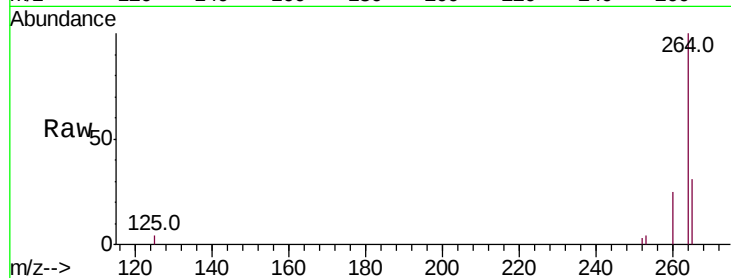
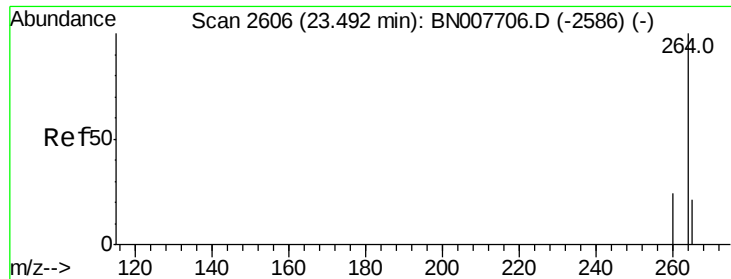


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.47 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN007876.D
 Acq: 26 Sep 2019 05:42

Instrument :
 BNA_N
 ClientSampleId :
 RE132D4-20190916DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	30.9	26.9	40.3

