

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121856.D
 Acq On : 6 Oct 2020 17:00
 Operator : JU/CG
 Sample : L4272-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-2-(6)

Quant Time: Oct 06 17:52:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

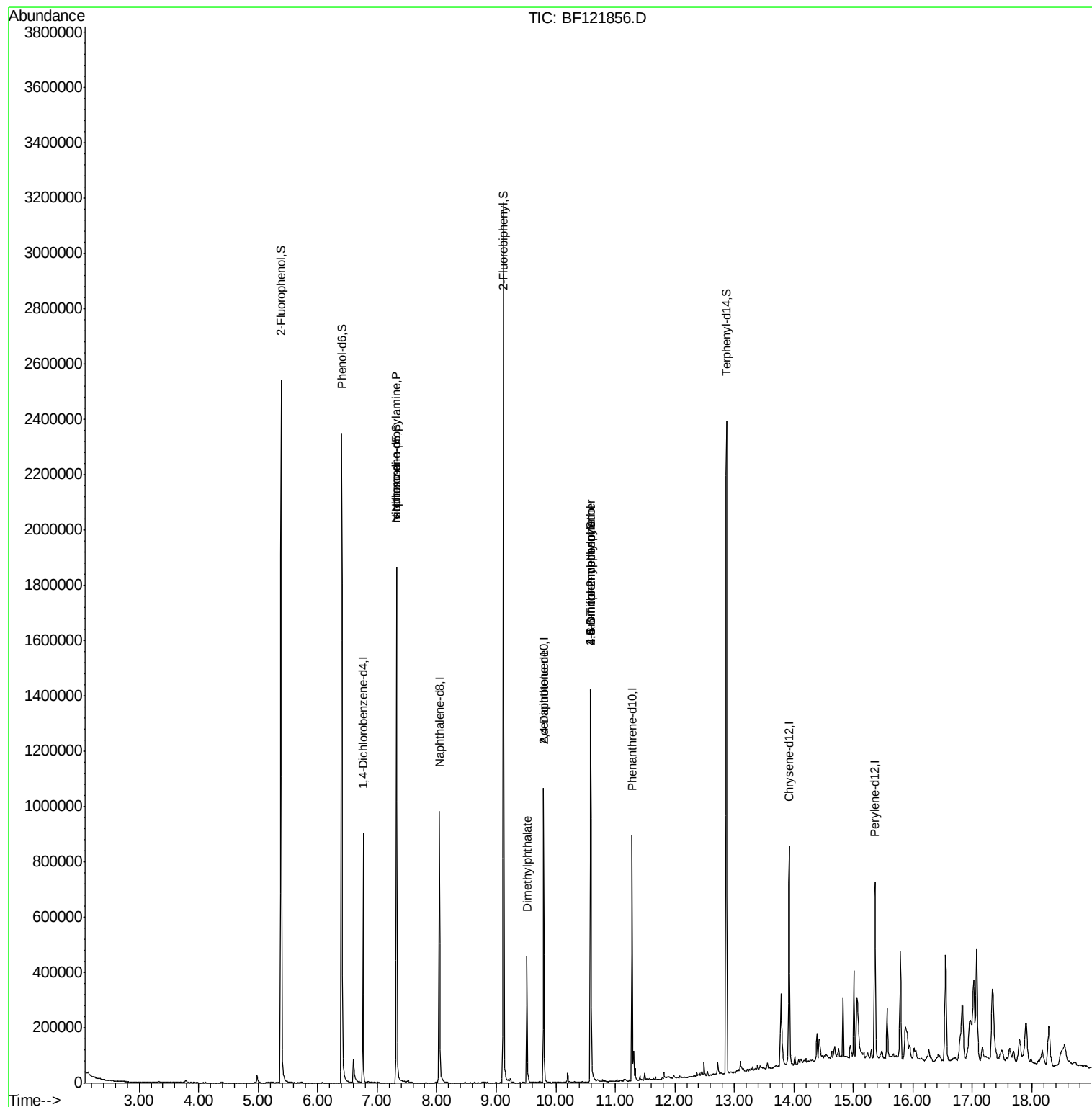
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	120050	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	455555	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	208283	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	323402	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	260100	20.00	ng	-0.01
86) Perylene-d12	15.36	264	272592	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	690973	85.54	ng	0.00
7) Phenol-d6	6.40	99	886414	83.64	ng	-0.01
23) Nitrobenzene-d5	7.33	82	596697	70.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	188992	73.01	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	998979	72.64	ng	-0.01
79) Terphenyl-d14	12.87	244	758739	59.10	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	79197	12.966	ng	# 79
25) Isophorone	7.33	82	596697	34.936	ng	# 67
50) Dimethylphthalate	9.52	163	190377	12.611	ng	# 99
57) 2,4-Dinitrotoluene	9.80	165	26437	6.536	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.59	198	281	6.973	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	10864	2.951	ng	# 1

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

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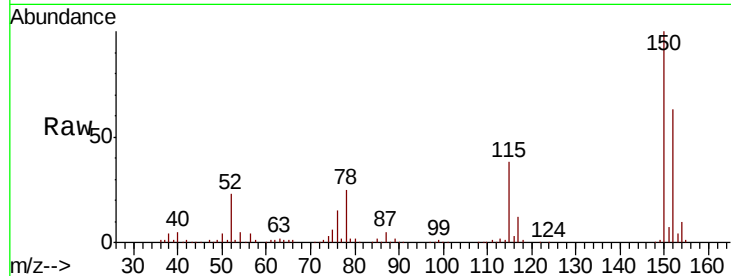




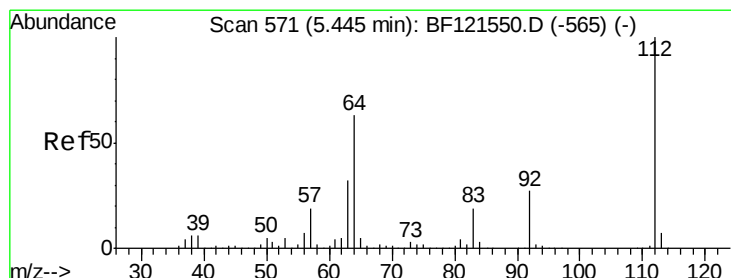
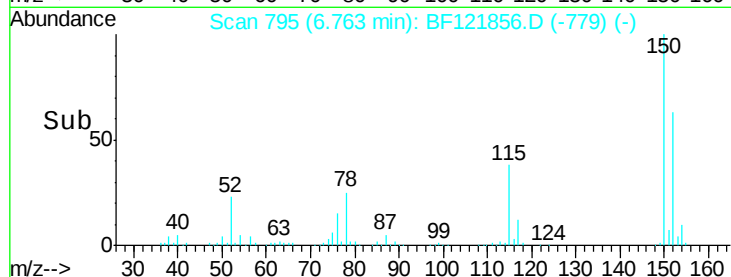
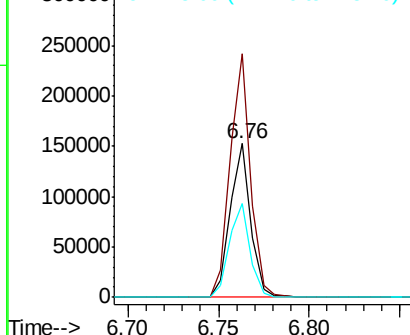
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Instrument :
 BNA_F
 ClientSampleId :
 MH-2-(6)

Tot Ion:152 Resp: 120050
 Ion Ratio Lower Upper
 152 100
 150 158.7 125.3 187.9
 115 60.9 51.9 77.9

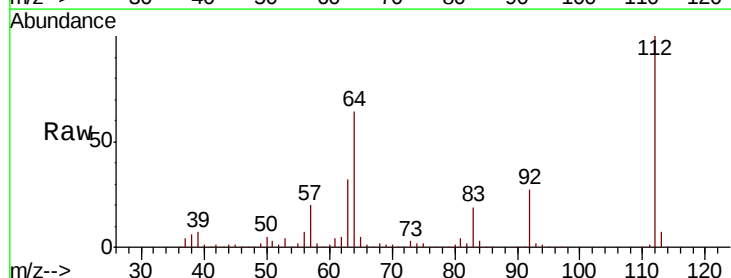


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

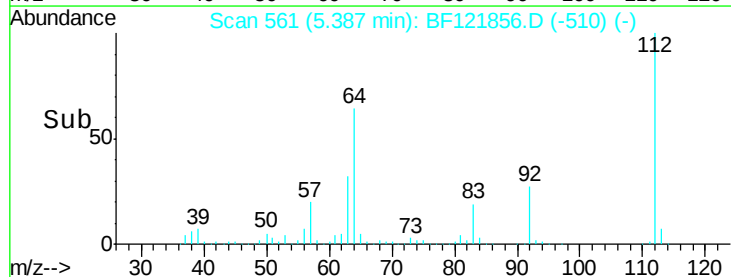
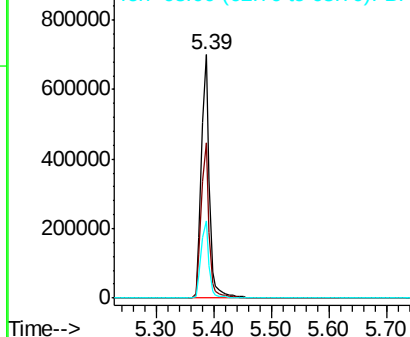


#5
 2-Fluorophenol
 Concen: 85.537 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Tgt Ion:112 Resp: 690973
 Ion Ratio Lower Upper
 112 100
 64 63.9 50.4 75.6
 63 31.9 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 83.640 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Instrument :

BNA_F

ClientSampleId :

MH-2-(6)

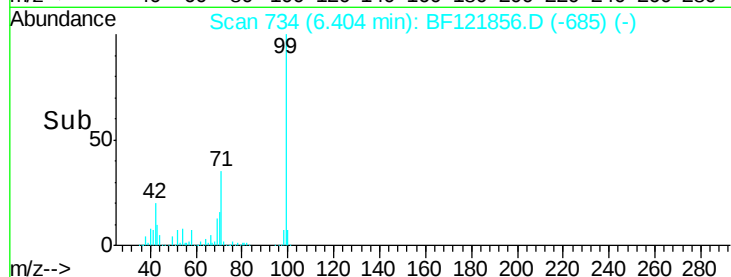
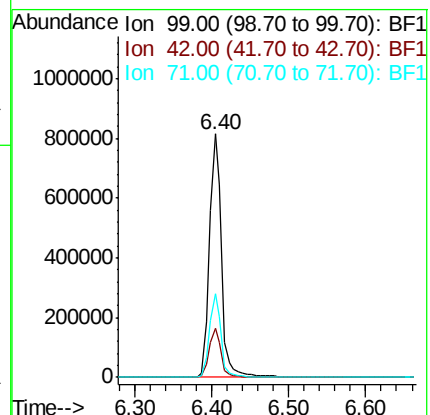
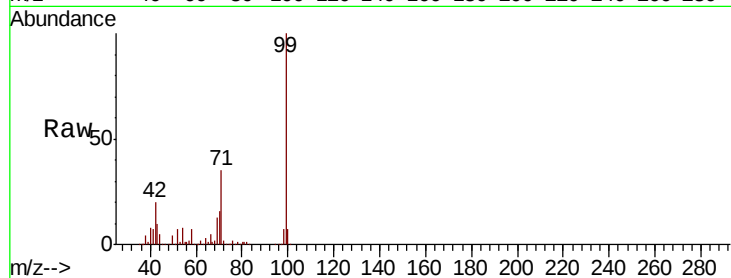
Tot Ion: 99 Resp: 886414

Ion Ratio Lower Upper

99 100

42 20.3 15.9 23.9

71 34.5 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.966 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Tgt Ion: 70 Resp: 79197

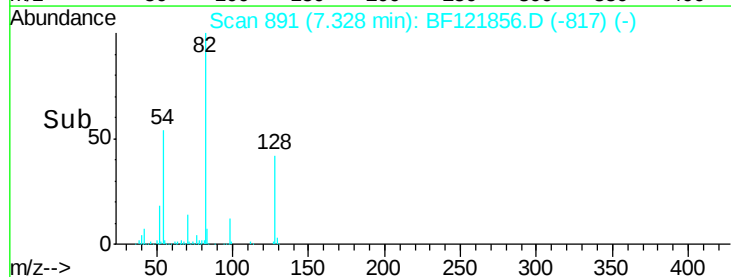
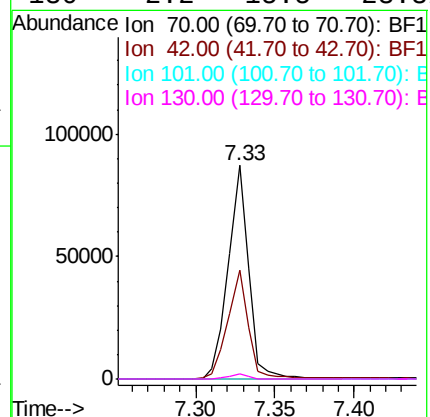
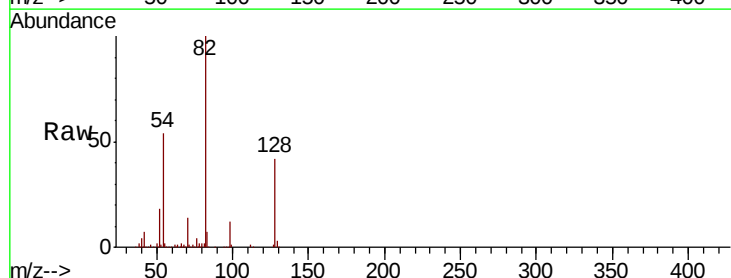
Ion Ratio Lower Upper

70 100

42 51.2 50.2 75.4

101 0.0 7.5 11.3#

130 2.2 15.5 23.3#

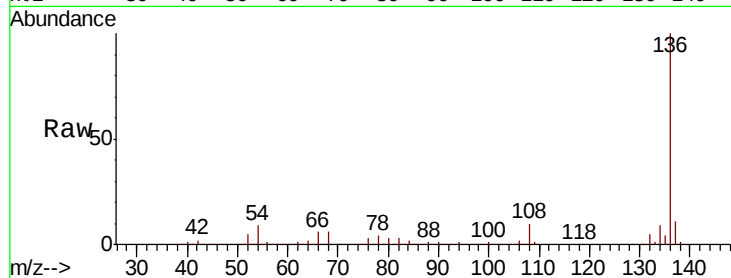




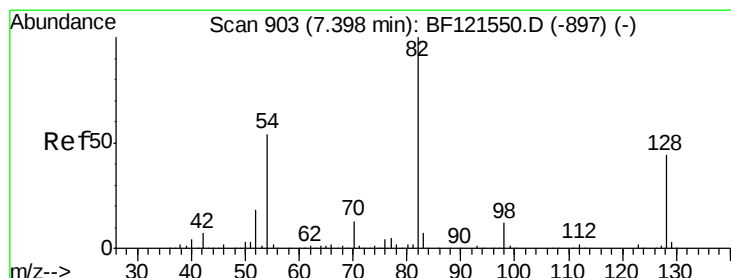
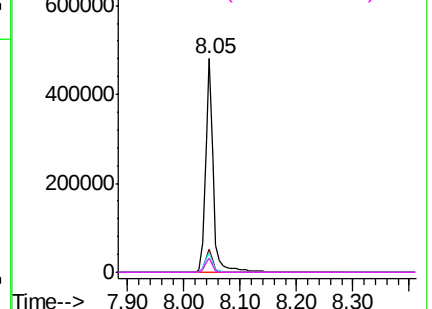
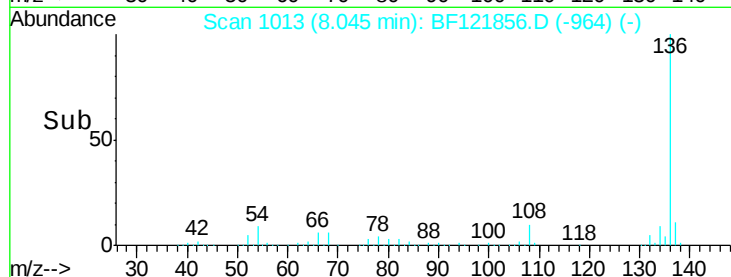
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121856.D
Acq: 6 Oct 2020 17:00

Instrument :
BNA_F
ClientSampleId :
MH-2-(6)

Tot Ion:136	Resp:	455555
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 13.0
54	9.1	7.1 10.7
68	6.5	5.0 7.4

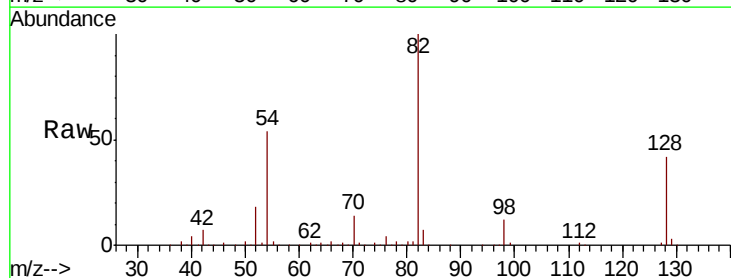


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

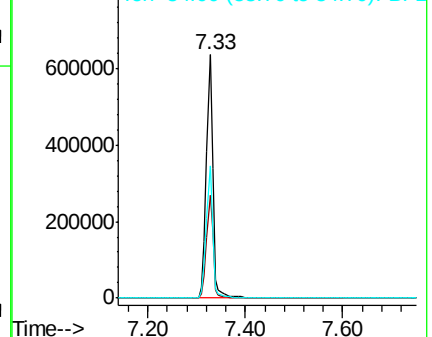
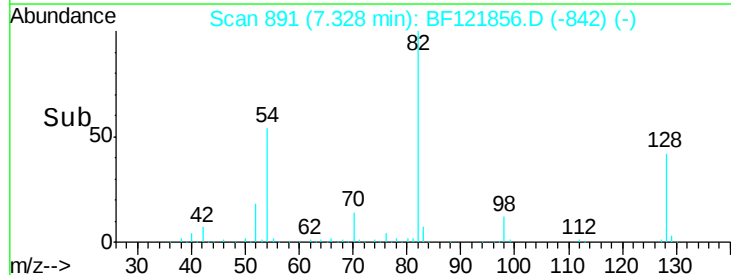


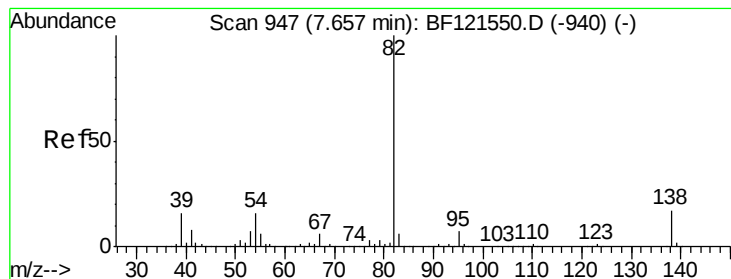
#23
Nitrobenzene-d5
Concen: 70.327 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121856.D
Acq: 6 Oct 2020 17:00

Tgt Ion: 82	Resp:	596697
Ion Ratio	Lower	Upper
82	100	
128	42.4	35.0 52.4
54	54.2	43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.936 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Instrument :

BNA_F

ClientSampleId :

MH-2-(6)

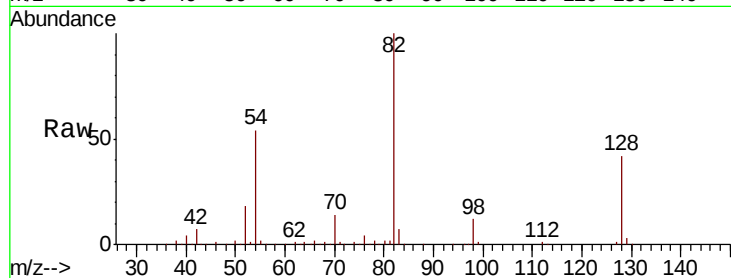
Tot Ion: 82 Resp: 596697

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

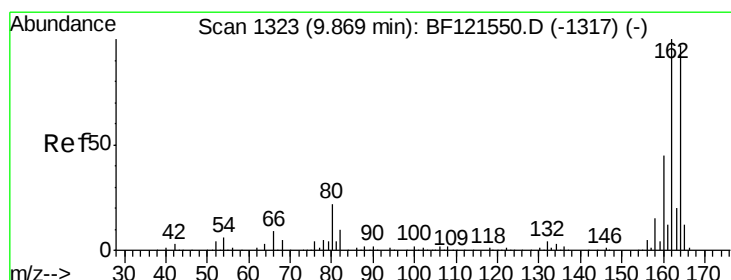
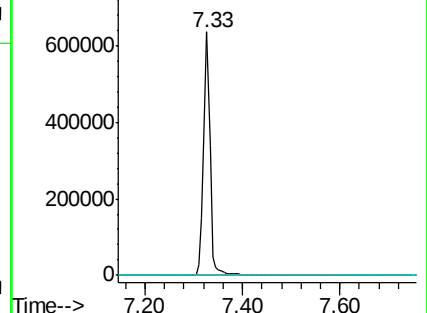
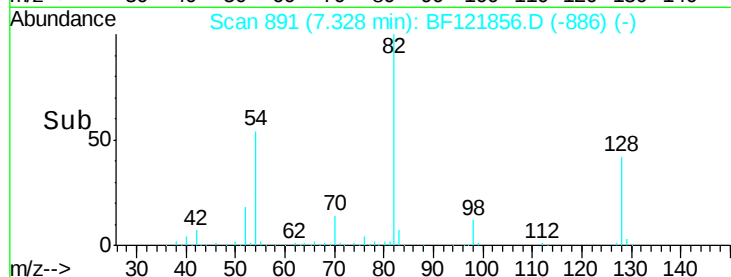
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

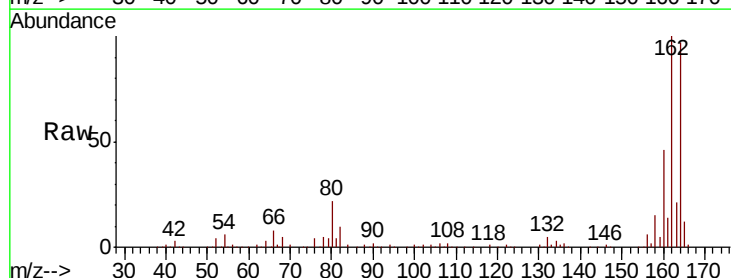
Tgt Ion: 164 Resp: 208283

Ion Ratio Lower Upper

164 100

162 102.8 83.2 124.8

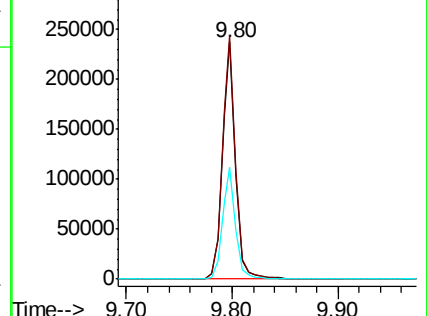
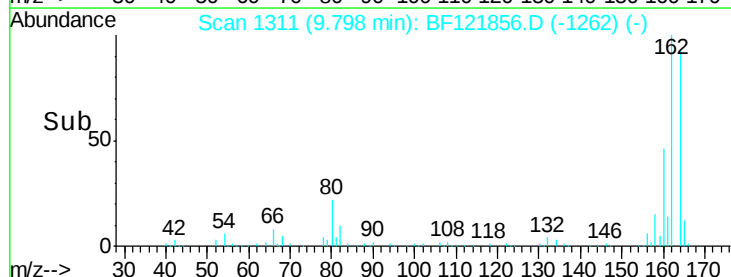
160 47.0 37.5 56.3

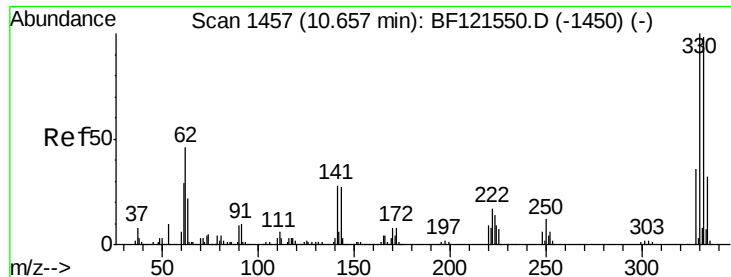


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

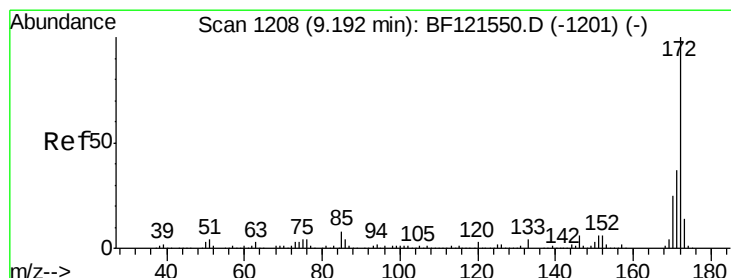
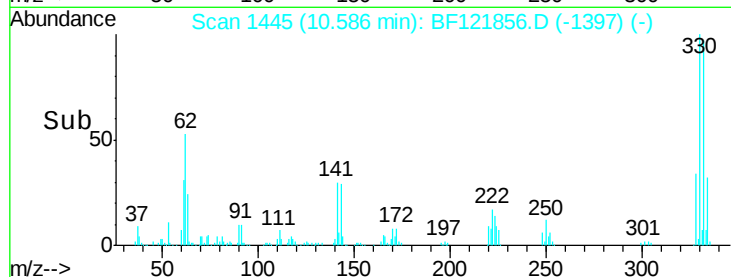
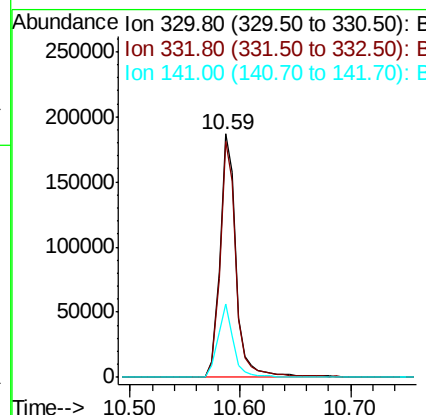
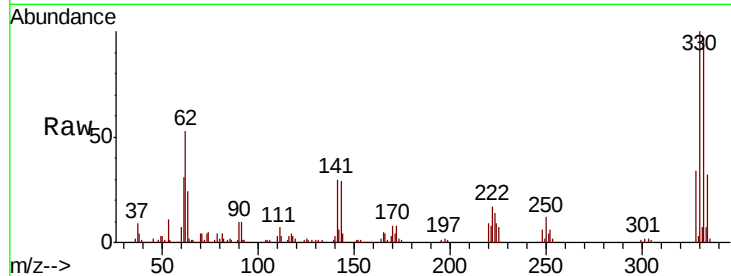




#42
 2,4,6-Tribromophenol
 Concen: 73.007 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

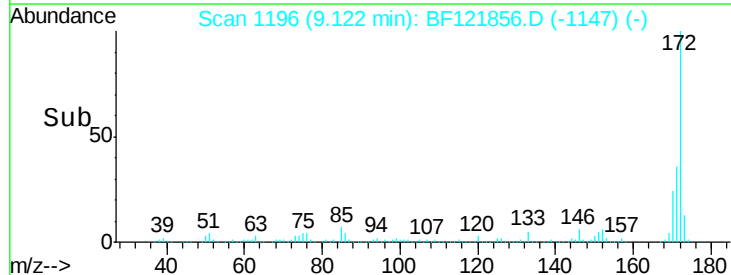
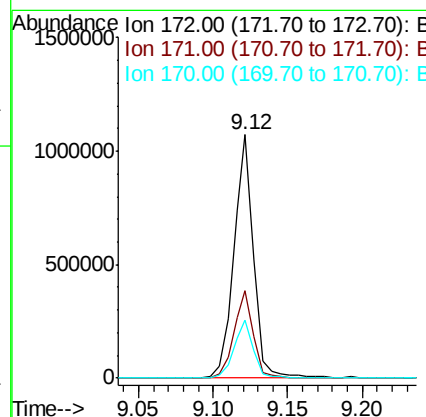
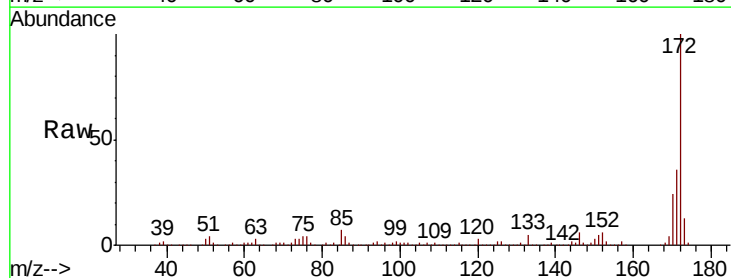
Instrument :
 BNA_F
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 MH-2-(6)

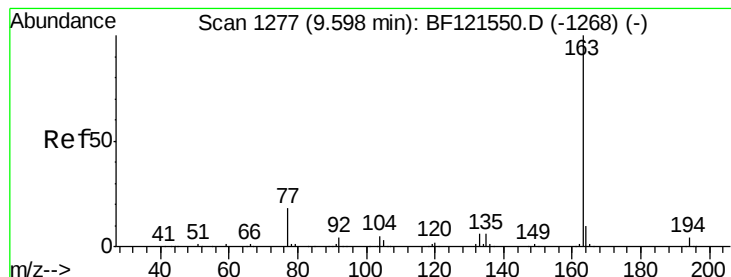
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	29.3	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 72.641 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.1	43.7
170	23.6	19.8	29.6





#50

Dimethylphthalate

Concen: 12.611 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Instrument :

BNA_F

ClientSampleId :

MH-2-(6)

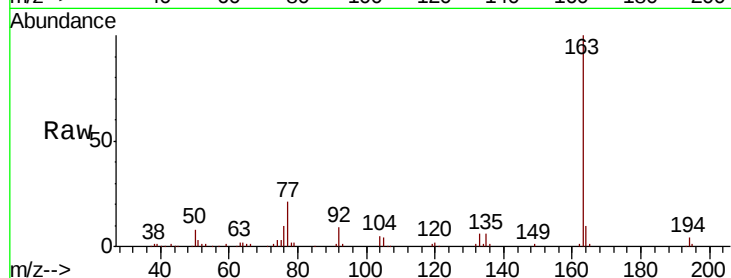
Tot Ion:163 Resp: 190377

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

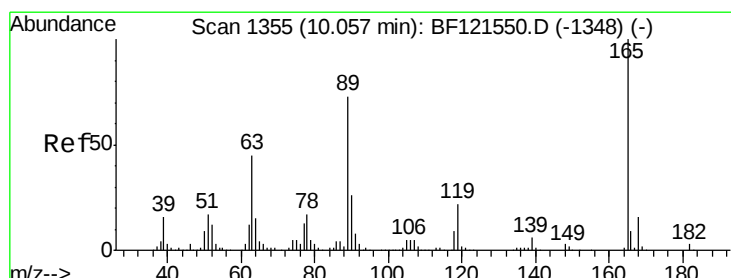
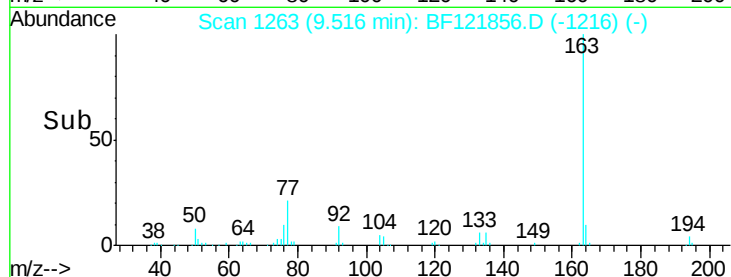
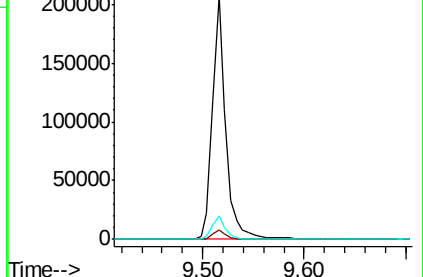
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.536 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.21 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Tgt Ion:165 Resp: 26437

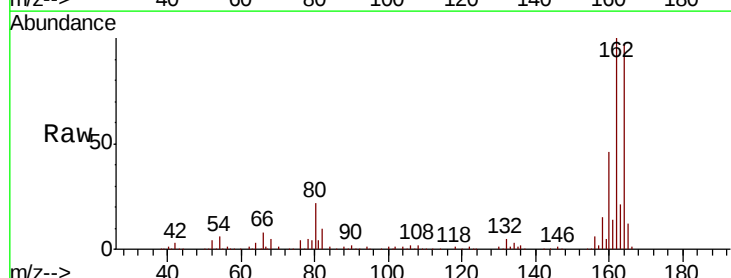
Ion Ratio Lower Upper

165 100

63 1.7 41.3 61.9#

89 1.9 61.8 92.8#

182 0.0 2.1 3.1#

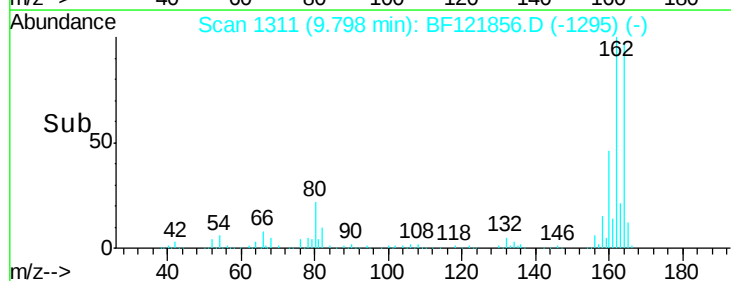
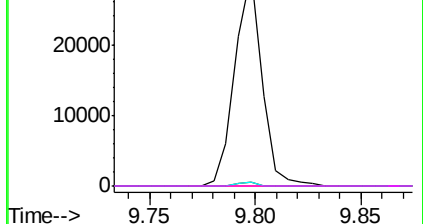


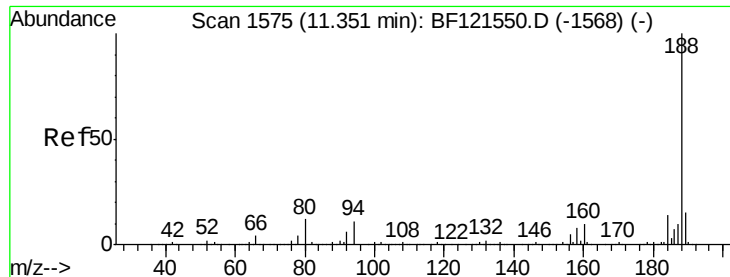
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

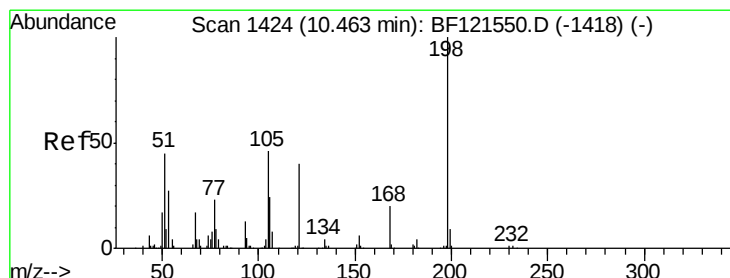
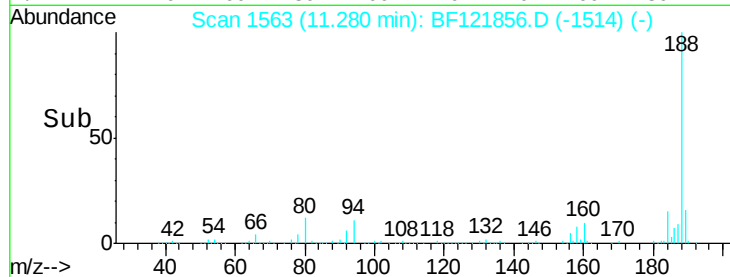
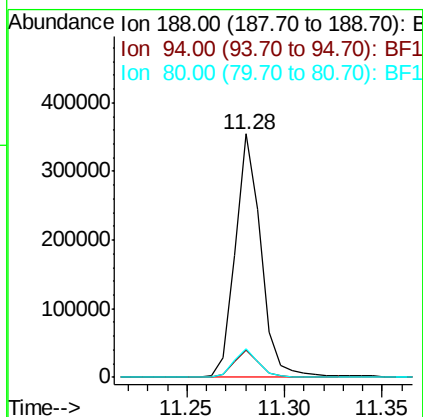
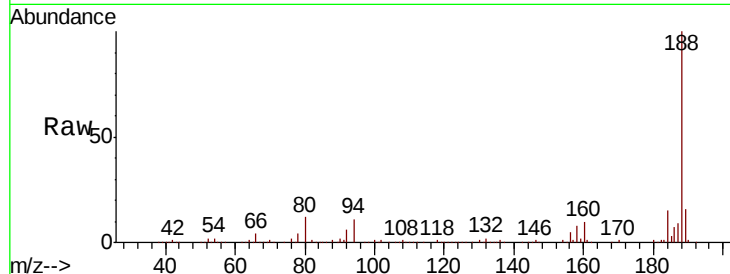




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

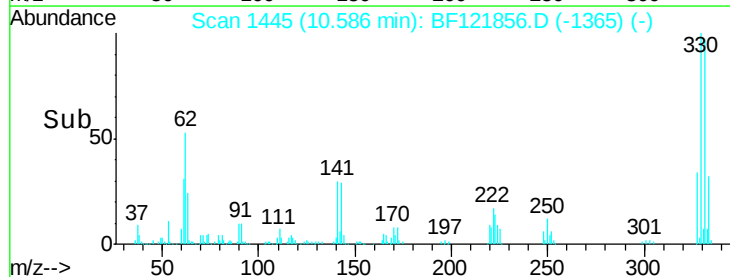
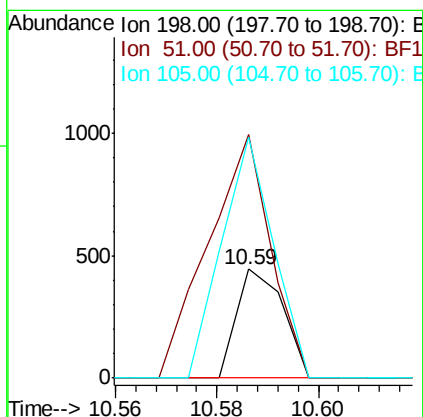
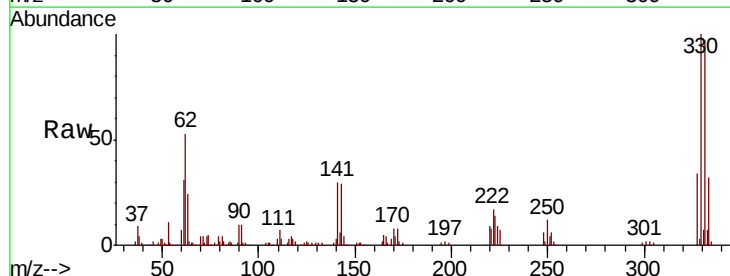
Instrument :
 BNA_F
 ClientSampleId :
 MH-2-(6)

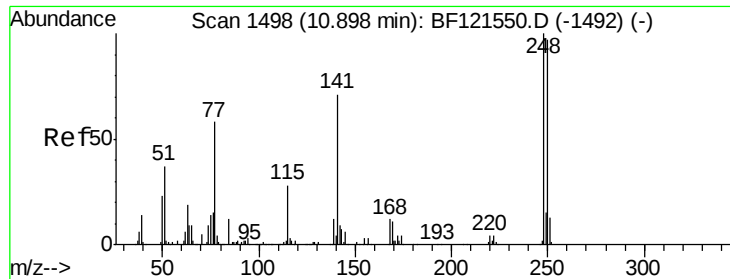
Tot Ion:188 Resp: 323402
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.3 12.5
 80 11.8 9.1 13.7



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.973 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Tgt Ion:198 Resp: 281
 Ion Ratio Lower Upper
 198 100
 51 224.1 29.6 69.6#
 105 221.6 24.4 64.4#

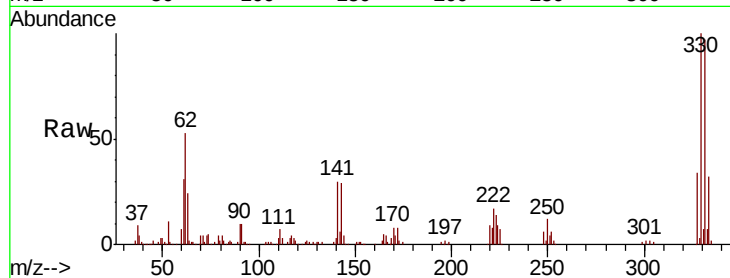




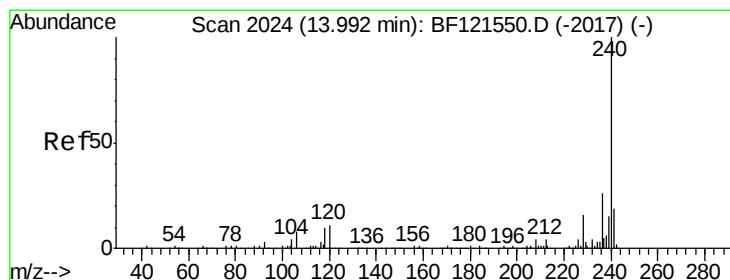
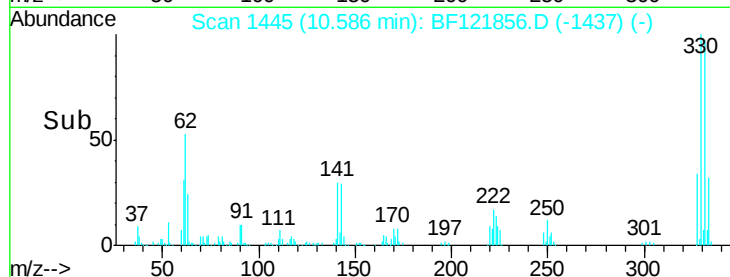
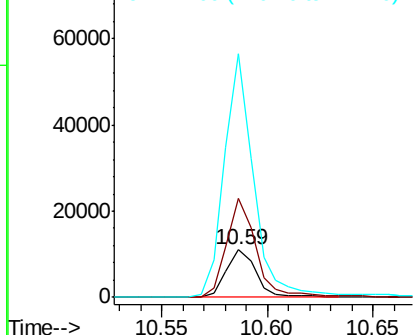
#67
 4-Bromophenyl-phenylether
 Concen: 2.951 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Instrument :
 BNA_F
 ClientSampleId :
 MH-2-(6)

Tot Ion:248 Resp: 10864
 Ion Ratio Lower Upper
 248 100
 250 208.5 77.0 115.6#
 141 515.6 53.7 80.5#

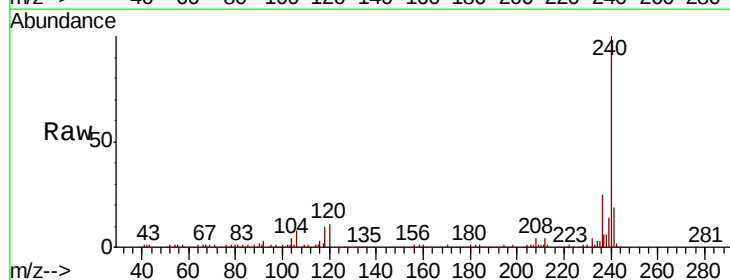


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

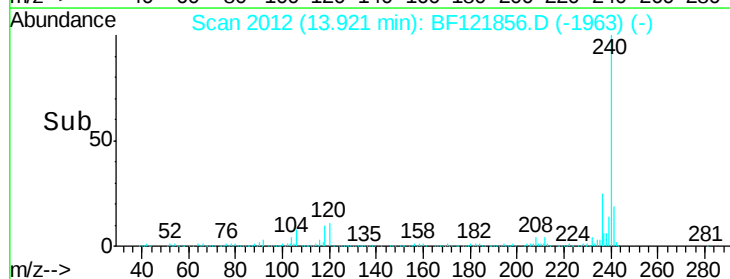
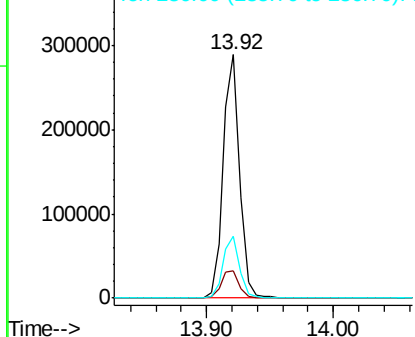


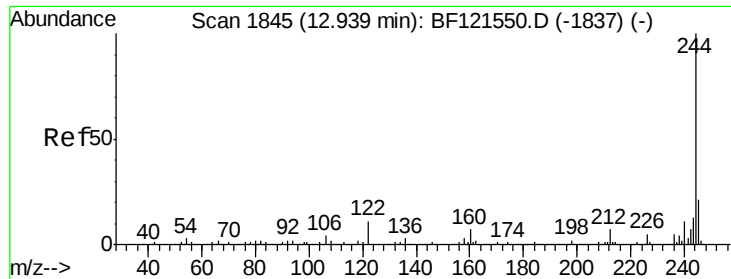
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121856.D
 Acq: 6 Oct 2020 17:00

Tgt Ion:240 Resp: 260100
 Ion Ratio Lower Upper
 240 100
 120 11.3 9.2 13.8
 236 25.4 20.9 31.3



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





#79

Terphenyl-d14

Concen: 59.098 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

Instrument :

BNA_F

ClientSampleId :

MH-2-(6)

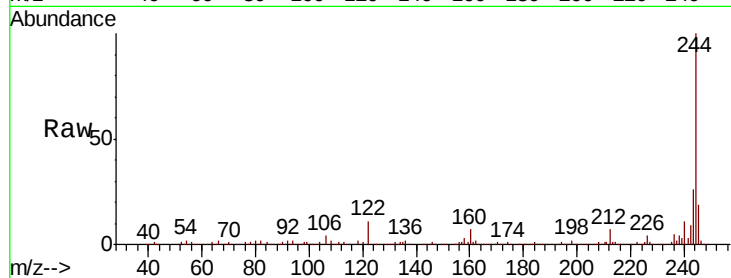
Tot Ion:244 Resp: 758739

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.6 8.1 12.1

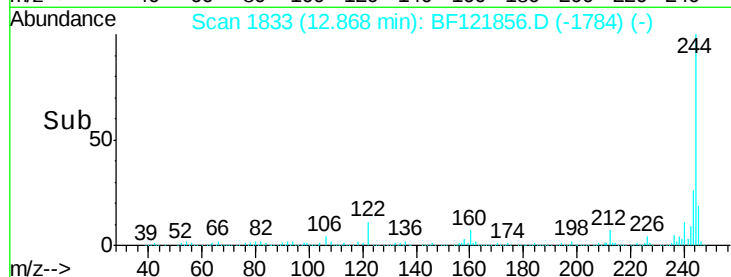


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



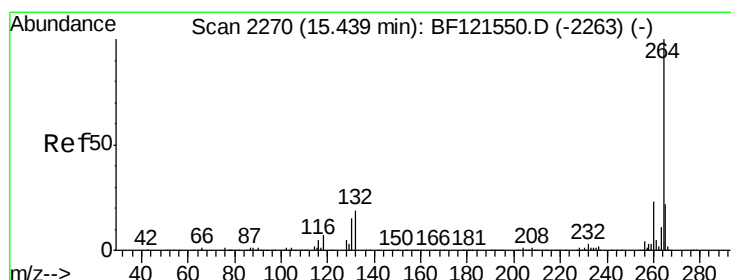
Abundance

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

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF121856.D

Acq: 6 Oct 2020 17:00

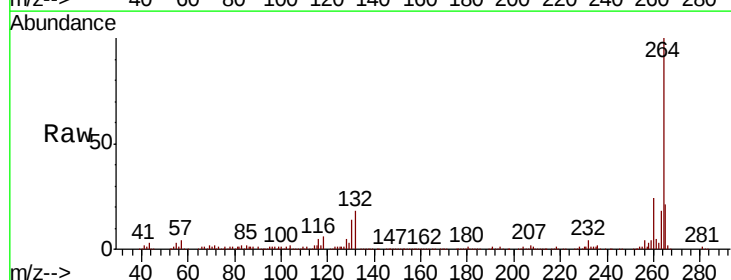
Tgt Ion:264 Resp: 272592

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 21.3 17.3 25.9

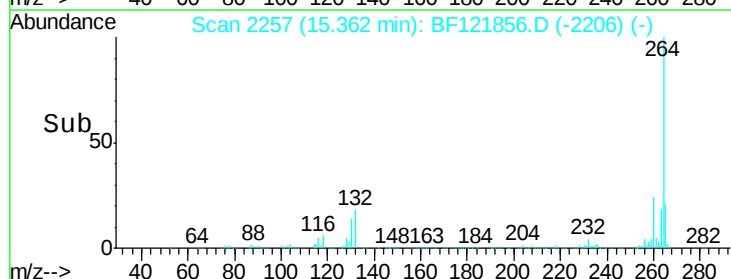


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



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

Time-->