

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102315\
 Data File : BF082478.D
 Acq On : 23 Oct 2015 21:21
 Operator : UM/IZ
 Sample : PB86220BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86220BL

Quant Time: Oct 24 04:53:50 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 24 04:47:19 2015
 Response via : Initial Calibration

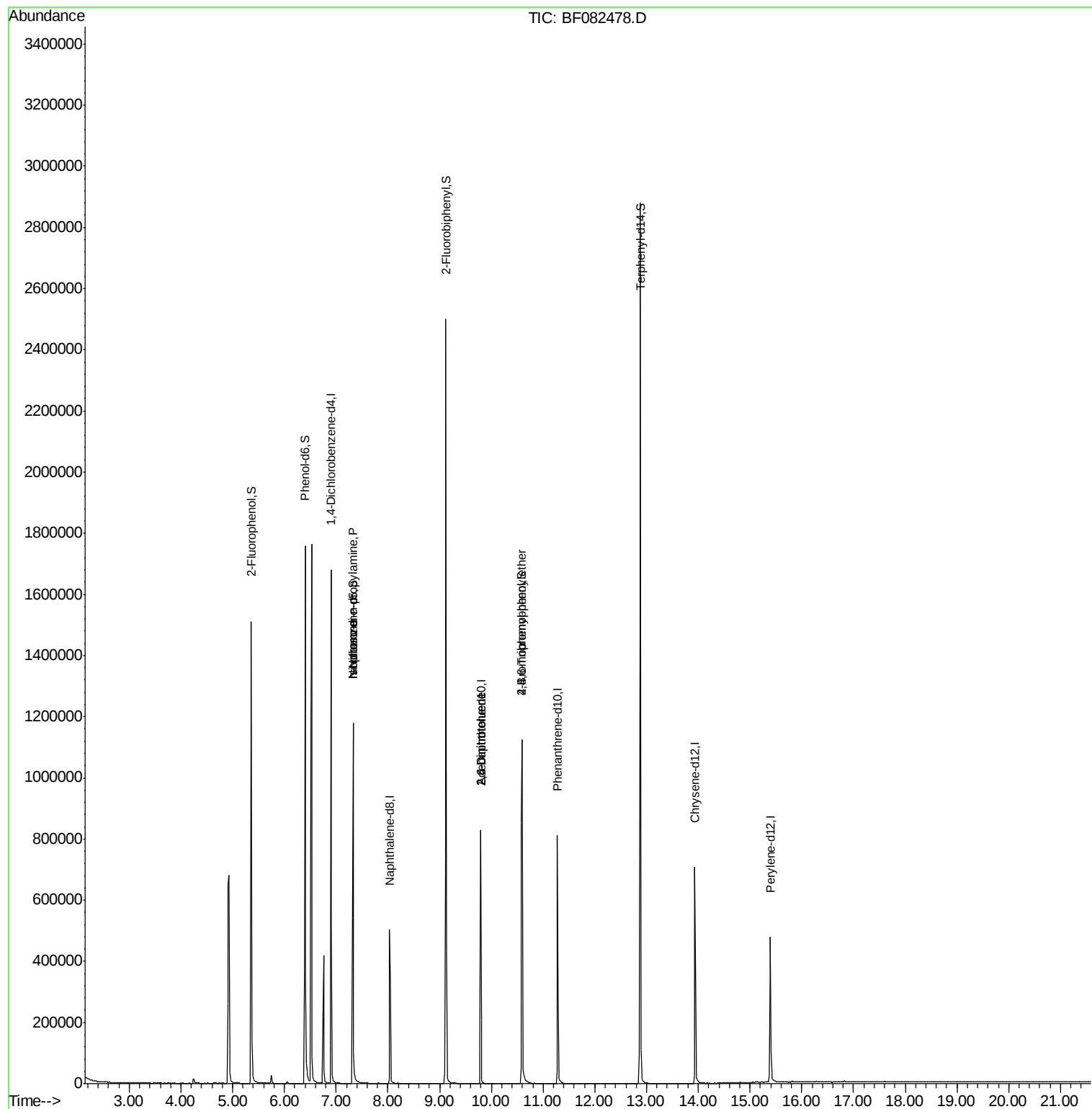
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	284525	20.00	ng	0.15
21) Naphthalene-d8	8.03	136	343317	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	182752	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	362774	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	334201	20.00	ng	-0.02
86) Perylene-d12	15.40	264	276026	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	594952	42.20	ng	0.01
7) Phenol-d6	6.40	99	685177	37.35	ng	-0.01
23) Nitrobenzene-d5	7.33	82	478466	93.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	195097	113.83	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	925646	84.00	ng	-0.01
78) Terphenyl-d14	12.88	244	1115109	88.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	62047	4.82	ng	# 77
25) Isophorone	7.33	82	463150	44.89	ng	# 66
50) 2,6-Dinitrotoluene	9.79	165	23153	8.53	ng	# 32
56) 2,4-Dinitrotoluene	9.79	165	23155	6.82	ng	# 23
66) 4-Bromophenyl-phenylether	10.59	248	14614	4.03	ng	# 1

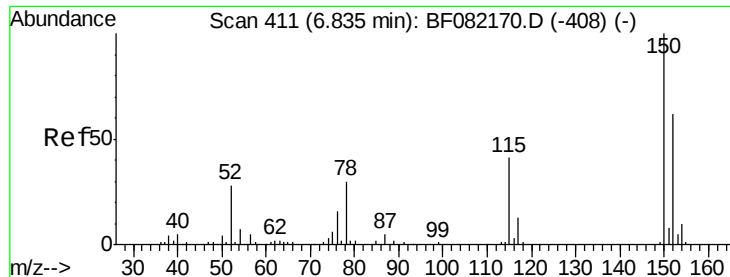
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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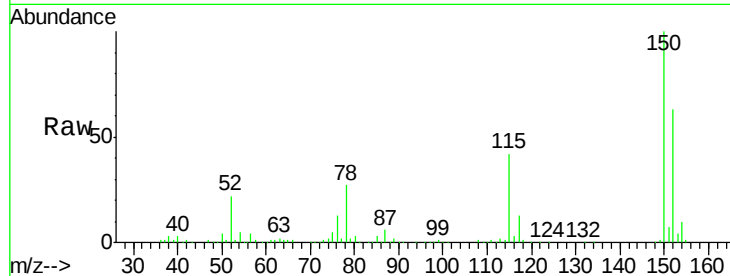


#1

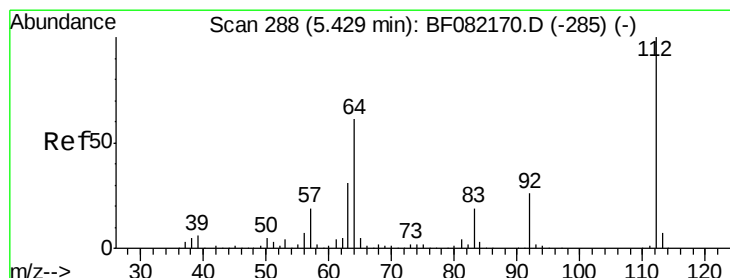
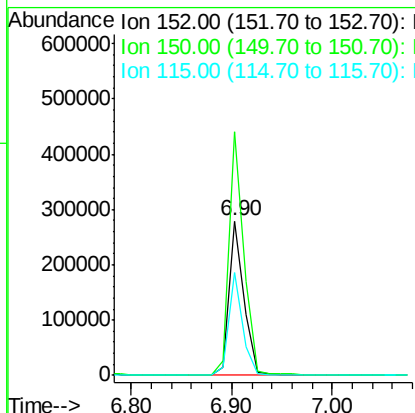
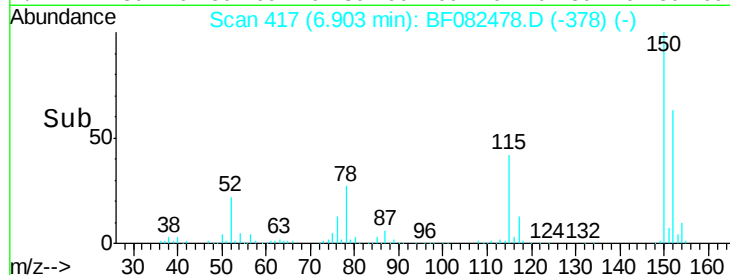
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 417
 Delta R.T. 0.15 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PB86220BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	129.0	193.4
115	66.9	52.1	78.1



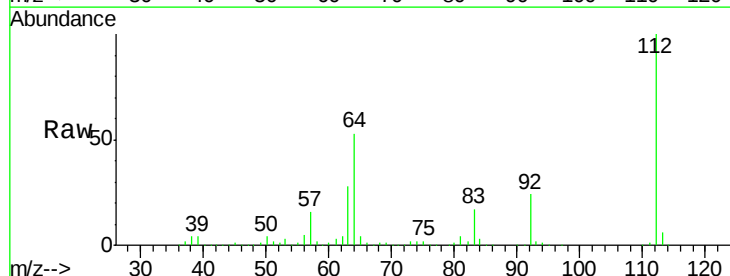
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



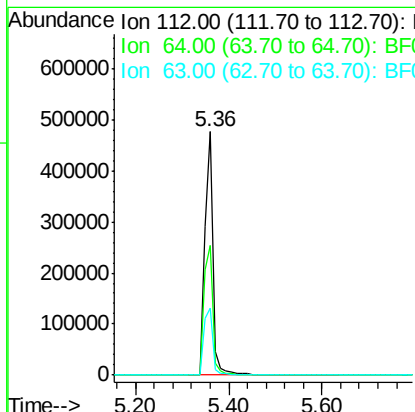
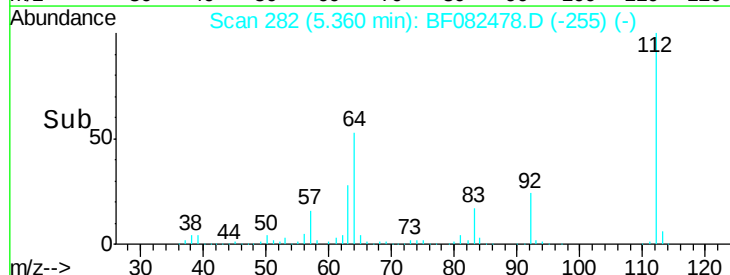
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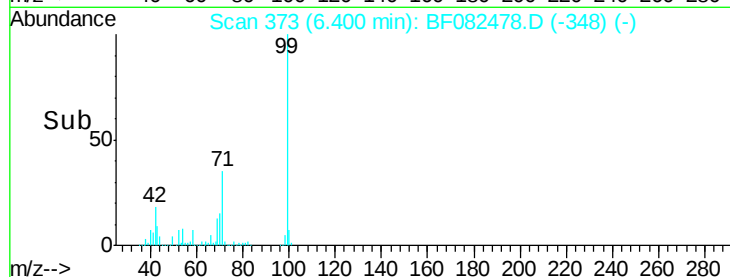
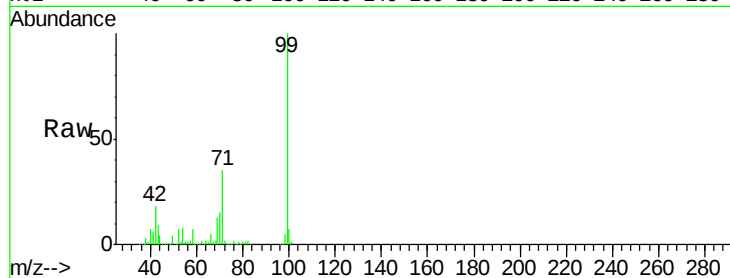
2-Fluorophenol
 Concen: 42.20 ng
 RT: 5.36 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	48.6	73.0
63	27.8	25.1	37.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.35 ng

RT: 6.40 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

Instrument :

BNA_F

ClientSampleId :

PB86220BL

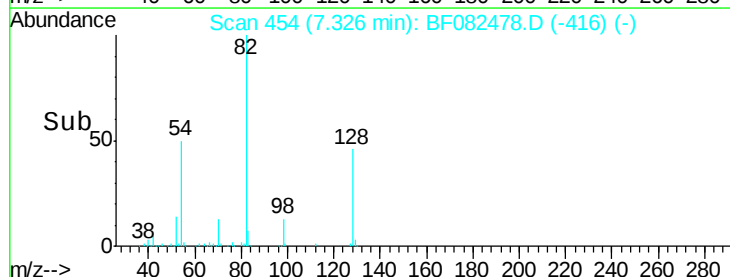
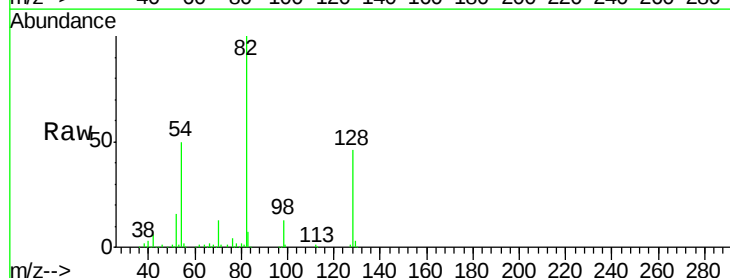
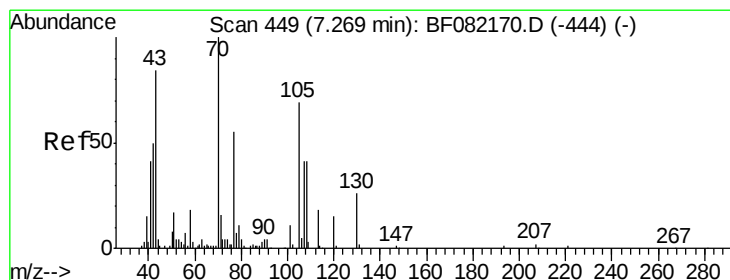
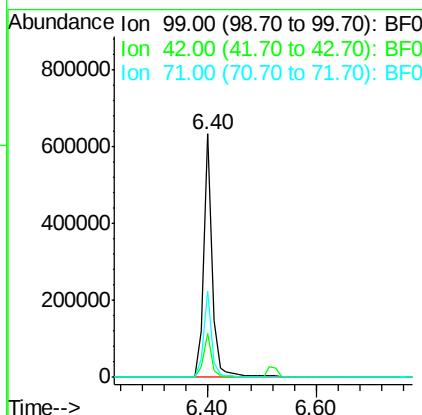
Tot Ion: 99 Resp: 685177

Ion Ratio Lower Upper

99 100

42 18.1 13.2 19.8

71 35.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.82 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.14 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

Tgt Ion: 70 Resp: 62047

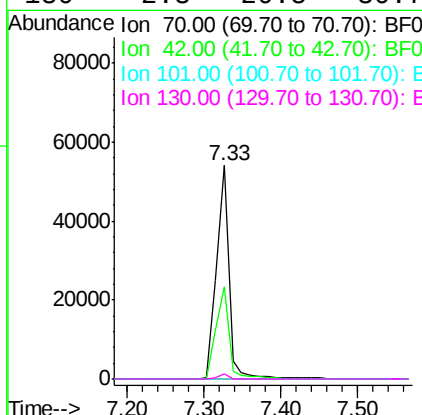
Ion Ratio Lower Upper

70 100

42 42.9 39.8 59.8

101 0.0 8.6 13.0#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

Instrument :

BNA_F

ClientSampleId :

PB86220BL

Tot Ion:136 Resp: 343317

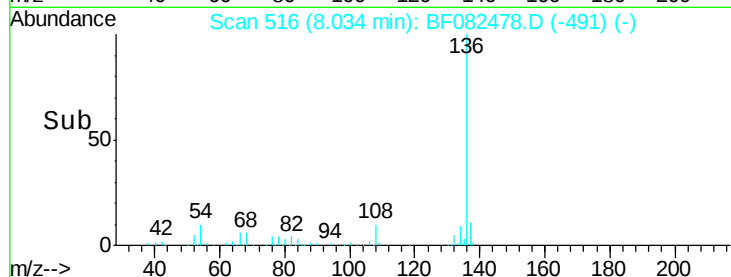
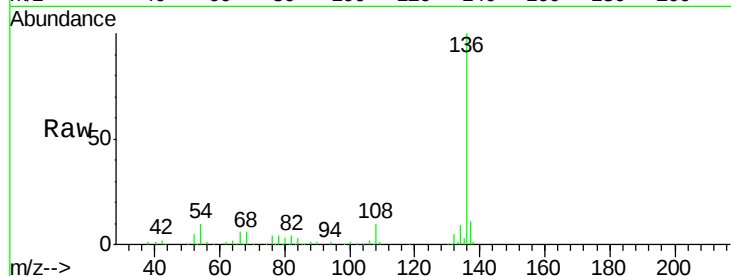
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 10.0 7.5 11.3

68 6.0 4.6 7.0

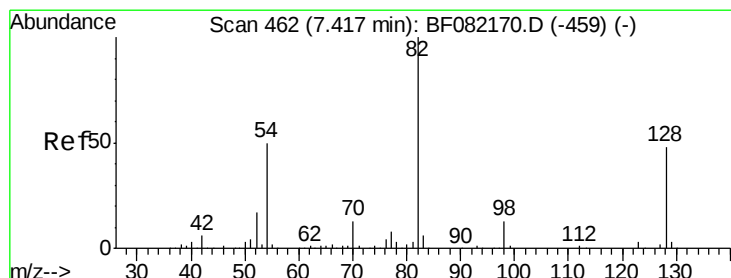
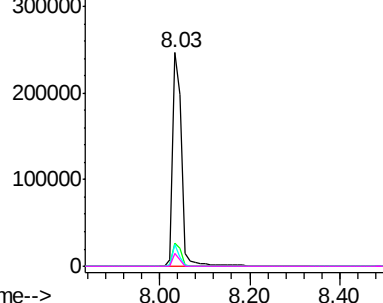


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 93.59 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

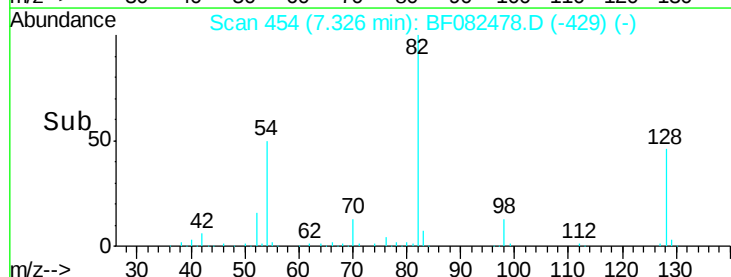
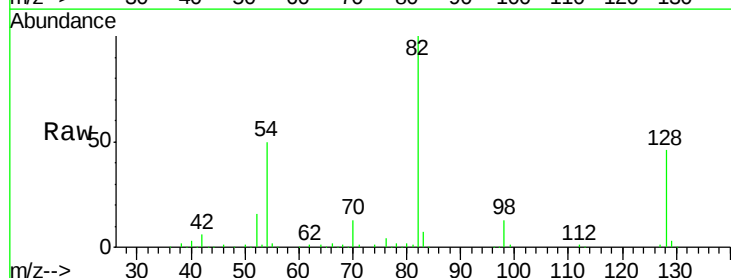
Tgt Ion: 82 Resp: 478466

Ion Ratio Lower Upper

82 100

128 45.7 38.7 58.1

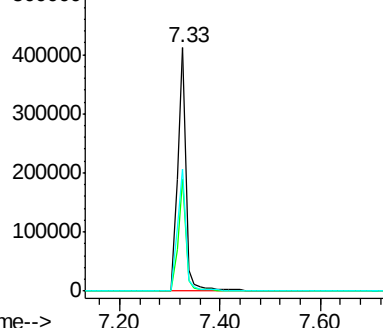
54 50.2 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.89 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.26 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

Instrument :

BNA_F

ClientSampleId :

PB86220BL

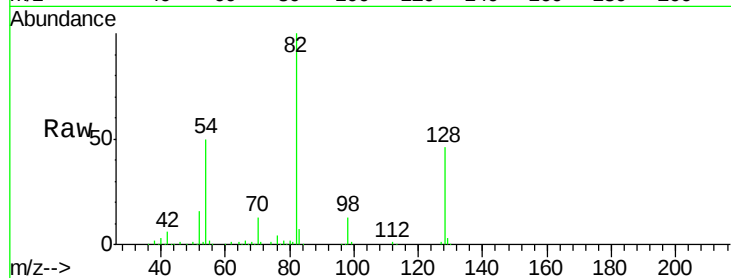
Tot Ion: 82 Resp: 463150

Ion Ratio Lower Upper

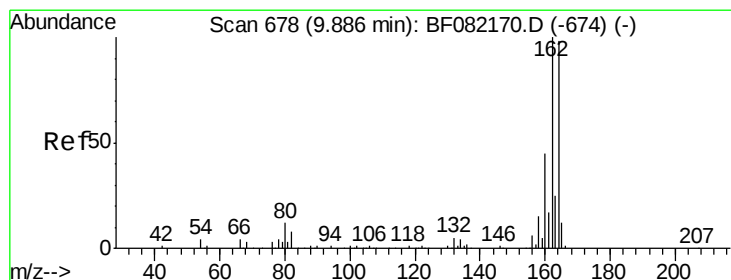
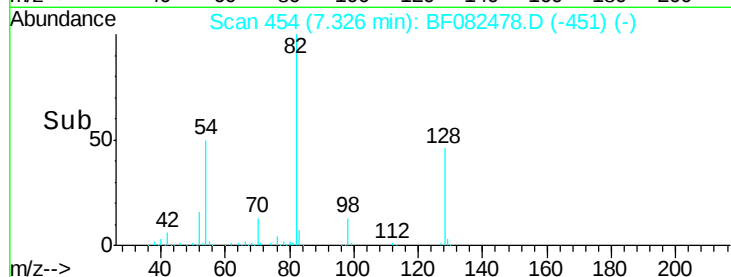
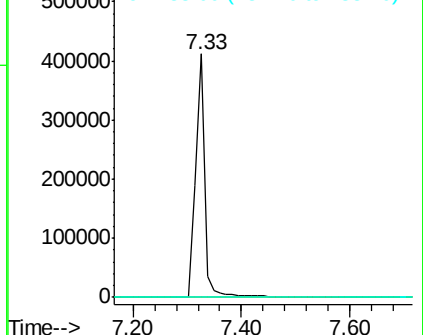
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

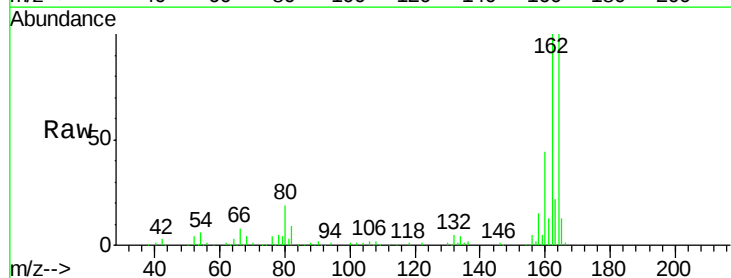
Tgt Ion: 164 Resp: 182752

Ion Ratio Lower Upper

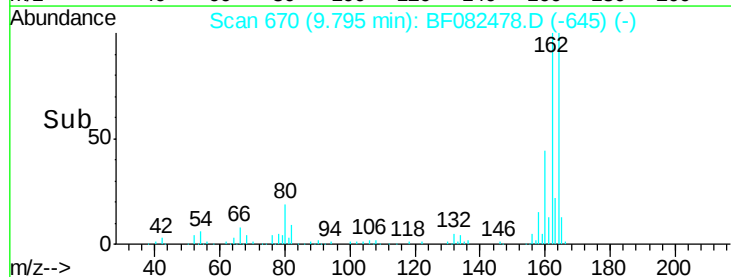
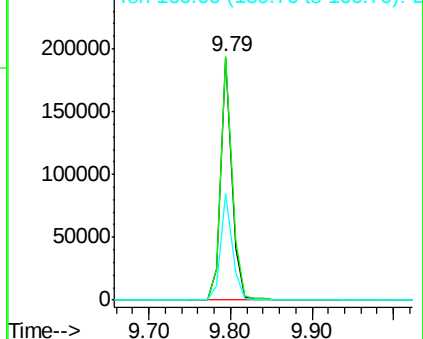
164 100

162 100.5 81.6 122.4

160 44.2 36.4 54.6



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

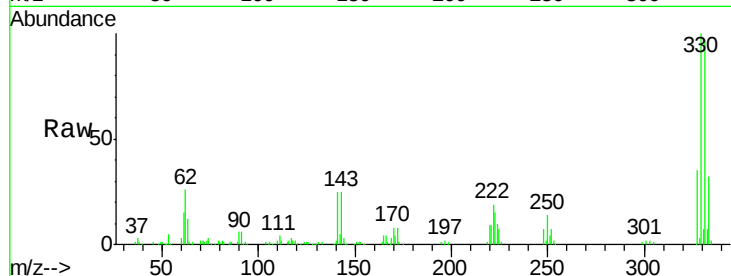




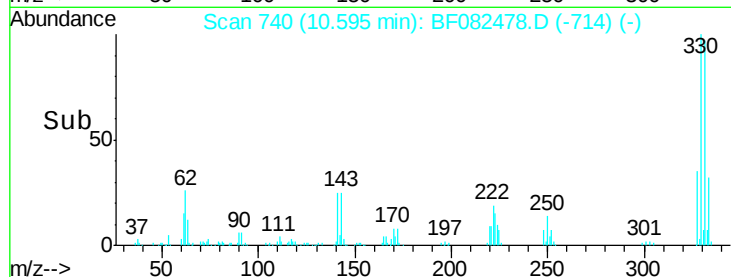
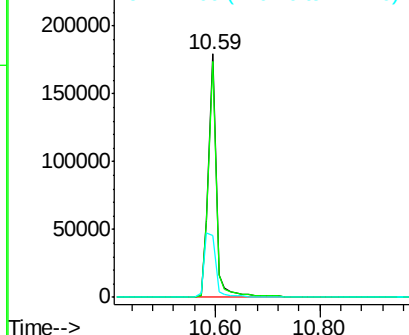
#41
 2,4,6-Tribromophenol
 Concen: 113.83 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

Instrument :
 BNA_F
 ClientSampleId :
 PB86220BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.1	115.7
141	38.9	29.8	44.8

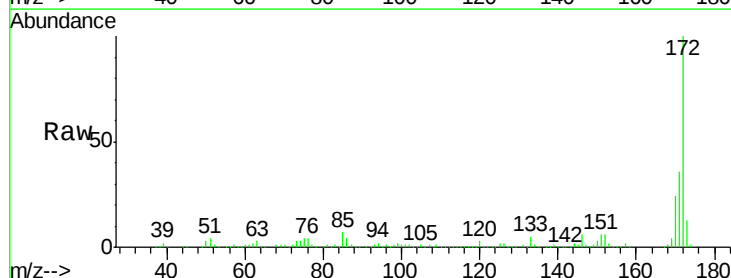


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

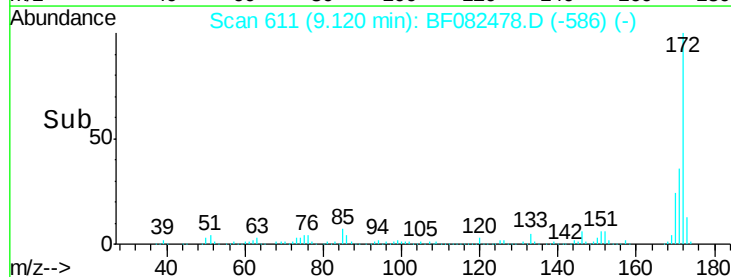
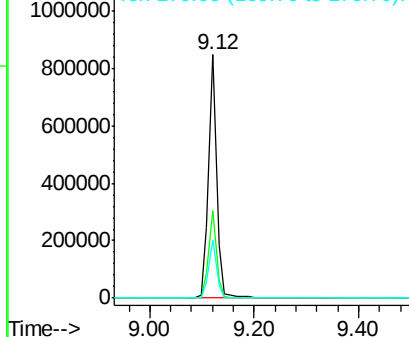


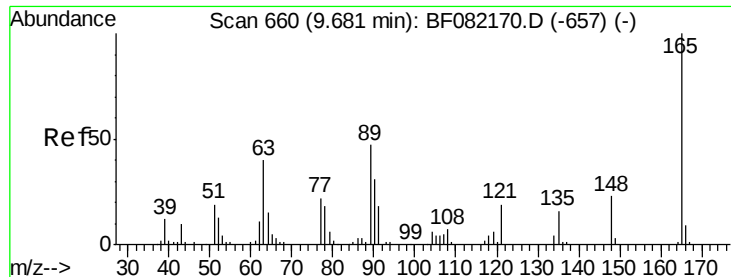
#44
 2-Fluorobiphenyl
 Concen: 84.00 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.1	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

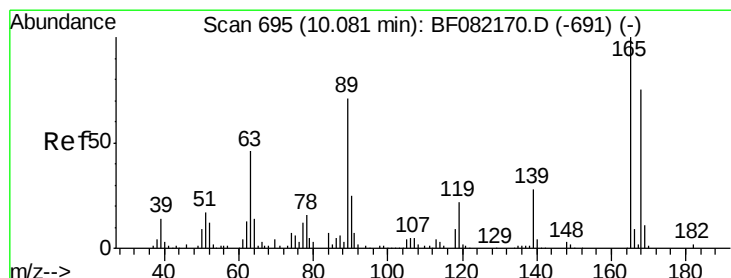
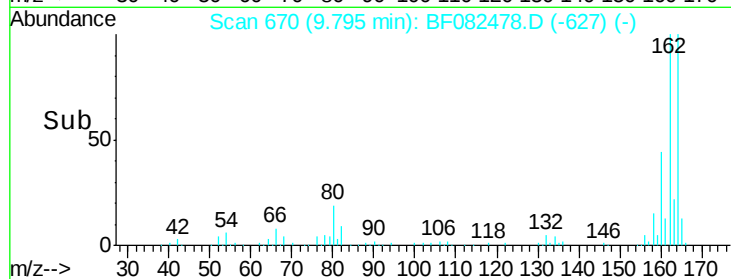
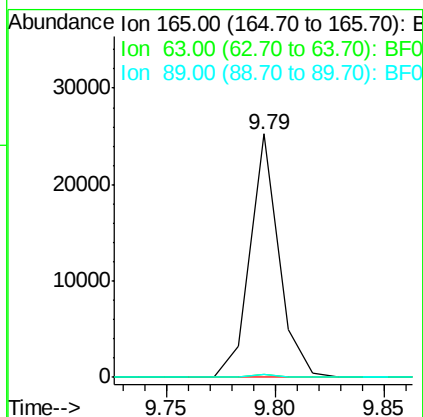
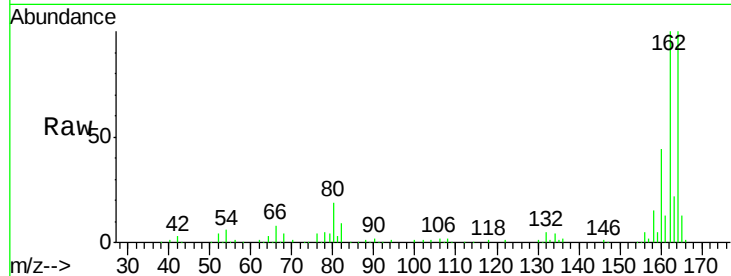




#50
 2,6-Dinitrotoluene
 Concen: 8.53 ng
 RT: 9.79 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

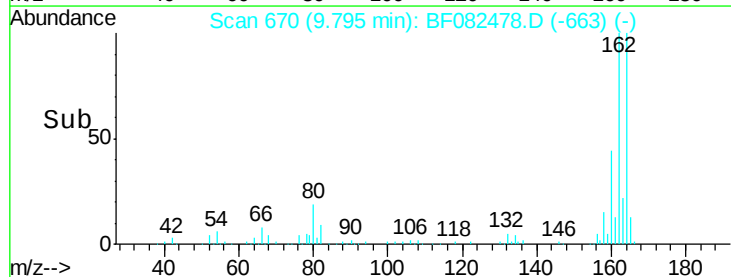
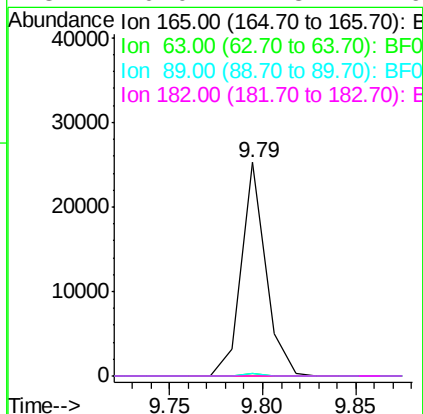
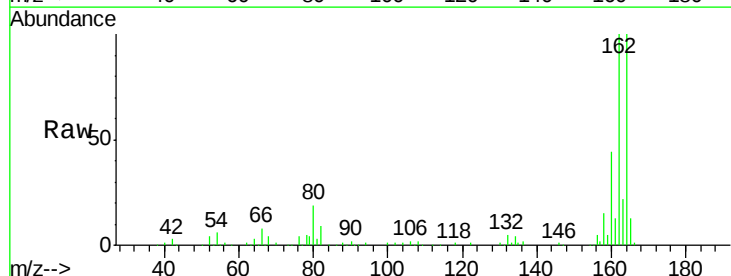
Instrument :
 BNA_F
 ClientSampleId :
 PB86220BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	1.4	37.8	56.6#



#56
 2,4-Dinitrotoluene
 Concen: 6.82 ng
 RT: 9.79 min Scan# 670
 Delta R.T. -0.22 min
 Lab File: BF082478.D
 Acq: 23 Oct 2015 21:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.6	58.0#
89	1.4	57.0	85.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

Instrument :

BNA_F

ClientSampleId :

PB86220BL

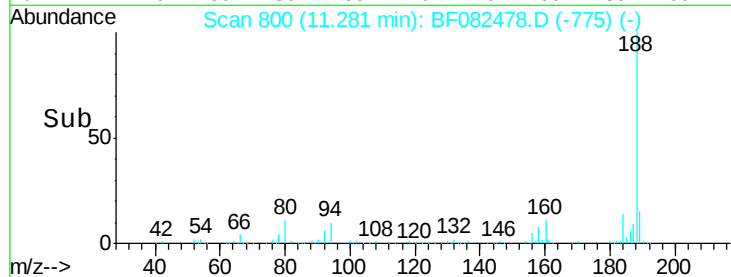
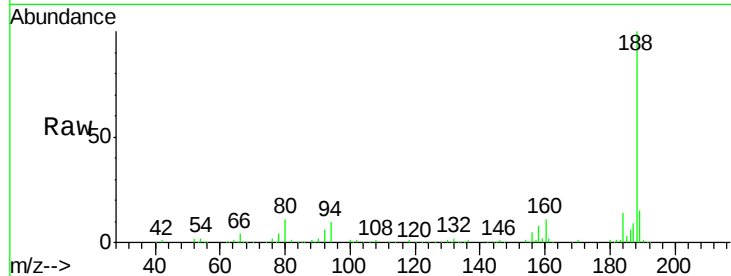
Tot Ion:188 Resp: 362774

Ion Ratio Lower Upper

188 100

94 10.0 5.8 8.6#

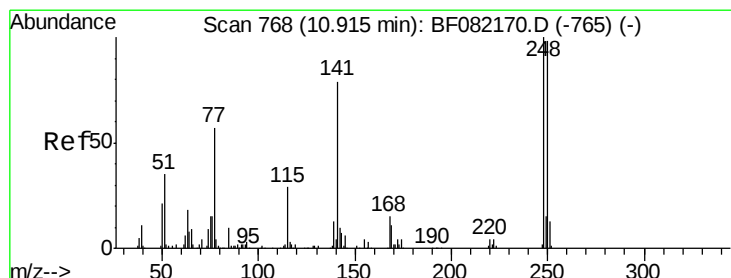
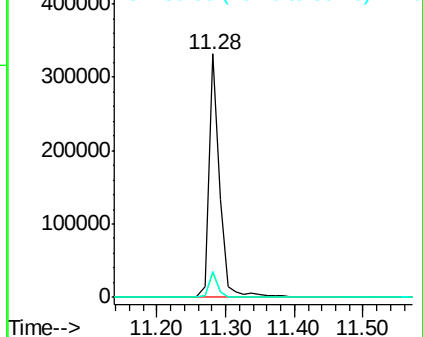
80 10.7 6.4 9.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.03 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

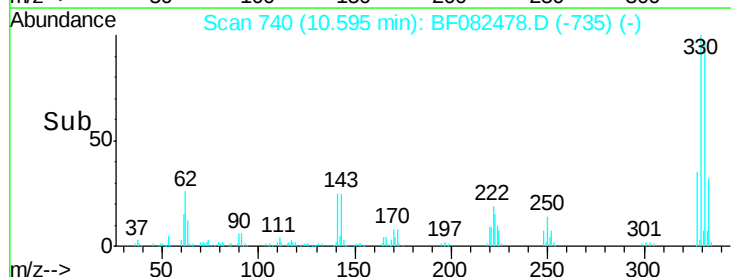
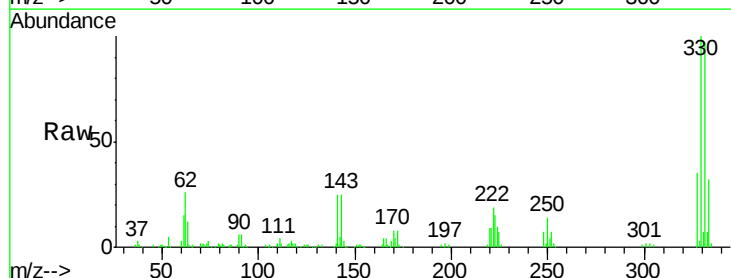
Tgt Ion:248 Resp: 14614

Ion Ratio Lower Upper

248 100

250 201.6 78.6 117.8#

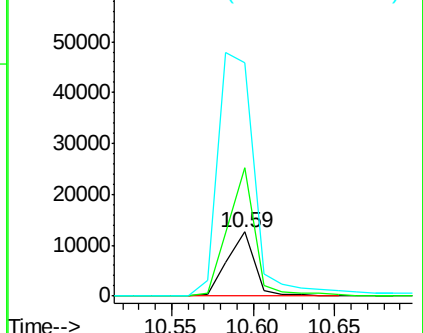
141 363.7 63.3 94.9#

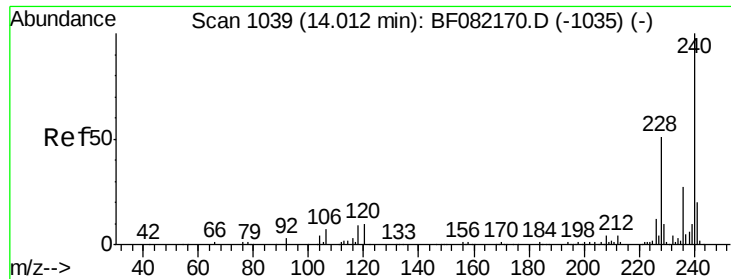


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF082478.D

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PB86220BL

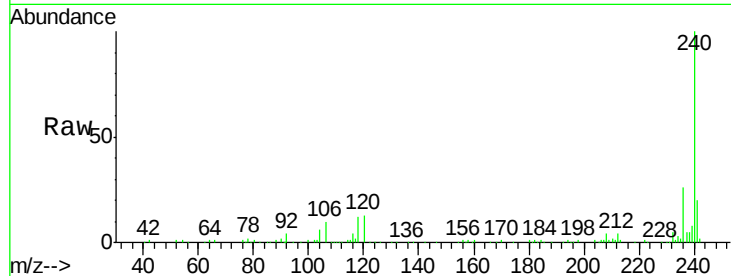
Tot Ion:240 Resp: 334201

Ion Ratio Lower Upper

240 100

120 13.4 8.1 12.1#

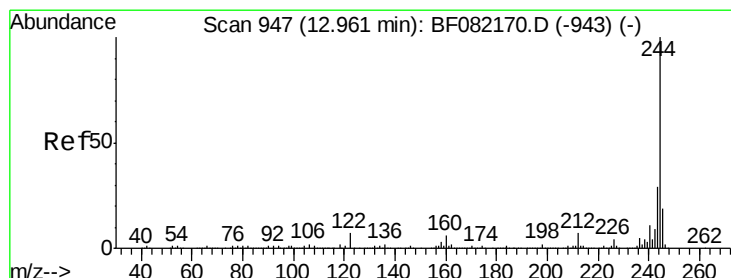
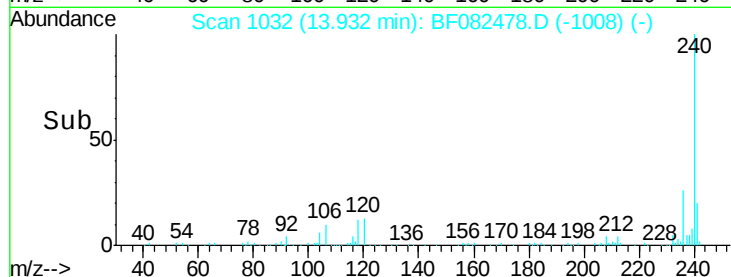
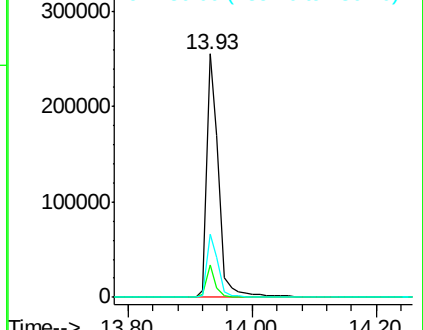
236 25.9 21.3 31.9



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



#78

Terphenyl-d14

Concen: 88.42 ng

RT: 12.88 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF082478.D

Acq: 23 Oct 2015 21:21

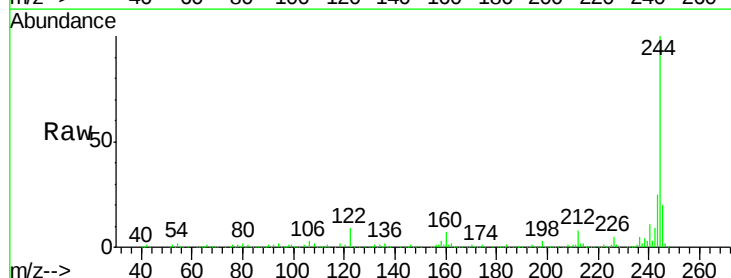
Tgt Ion:244 Resp: 1115109

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.6

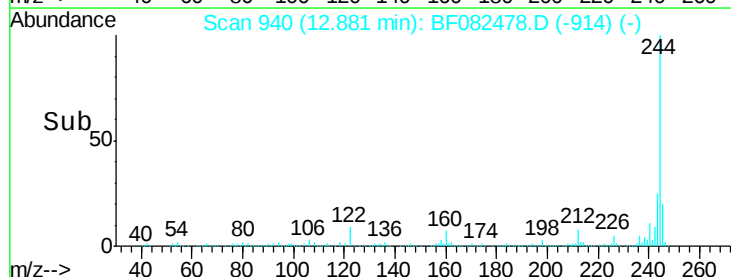
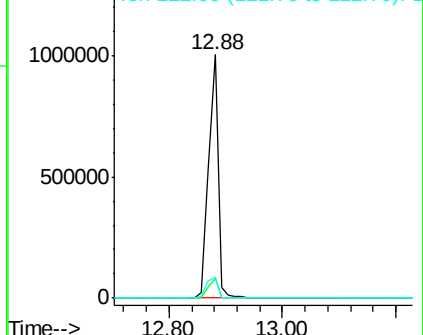
122 8.8 5.9 8.9

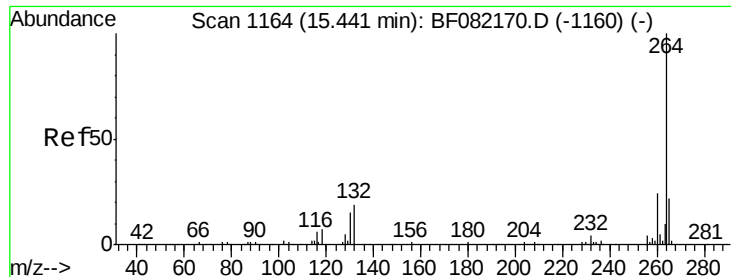


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



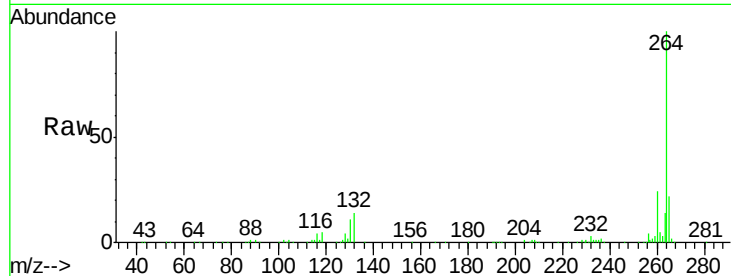


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF082478.D
Acq: 23 Oct 2015 21:21

Instrument :
BNA_F
ClientSampleId :
PB86220BL

Tot Ion: 264 Resp: 276026

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.7	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

