

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088452.D
 Acq On : 27 Jun 2016 13:20
 Operator : UM/SJ
 Sample : PB91593TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91593TB

Quant Time: Jun 27 19:07:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

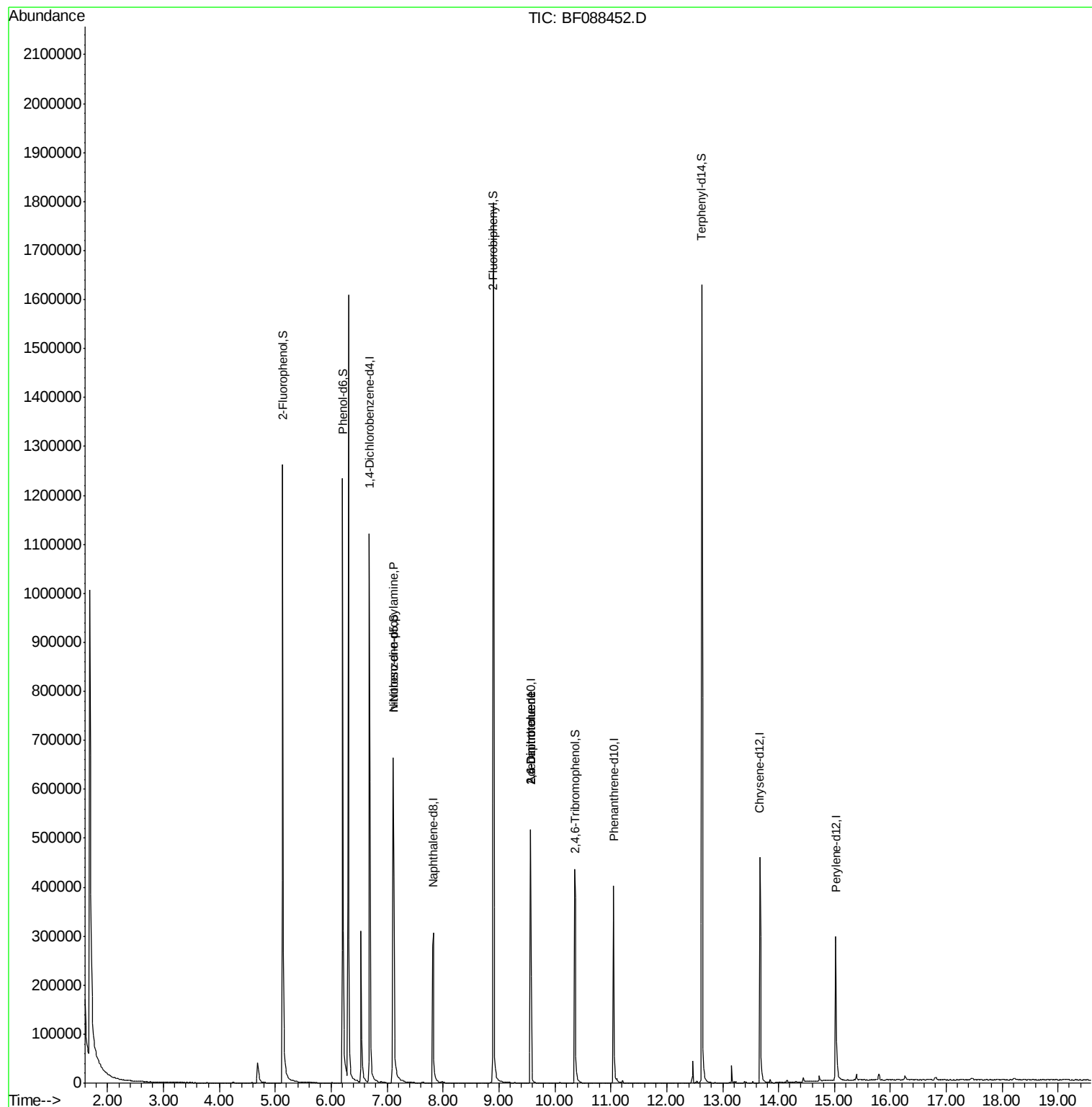
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	249743	20.00	ng	-0.16
21) Naphthalene-d8	7.83	136	271091	20.00	ng	-0.30
38) Acenaphthene-d10	9.56	164	128774	20.00	ng	-0.32
63) Phenanthrene-d10	11.05	188	251179	20.00	ng	-0.31
75) Chrysene-d12	13.67	240	229672	20.00	ng	-0.32
86) Perylene-d12	15.03	264	184100	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	510686	34.96	ng	-0.30
7) Phenol-d6	6.20	99	593419	33.52	ng	-0.27
23) Nitrobenzene-d5	7.11	82	359954	77.54	ng	-0.31
41) 2,4,6-Tribromophenol	10.36	330	86300	63.47	ng	-0.31
44) 2-Fluorobiphenyl	8.90	172	717444	87.70	ng	-0.31
78) Terphenyl-d14	12.63	244	687097	68.08	ng	-0.32
Target Compounds						
10) Phenol	6.31	94	715	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.11	70	44887	3.96	ng	# 72
45) 1,1'-Biphenyl	8.90	154	1101	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.56	165	16232	7.60	ng	# 37
56) 2,4-Dinitrotoluene	9.56	165	16234	5.91	ng	# 36

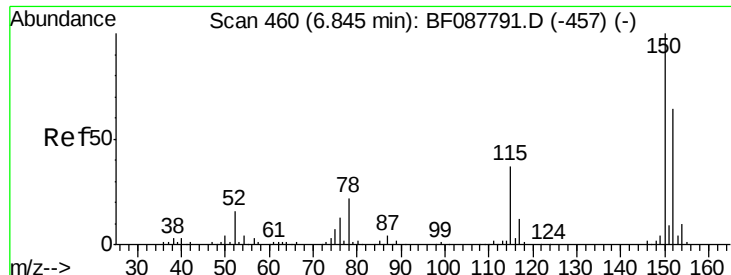
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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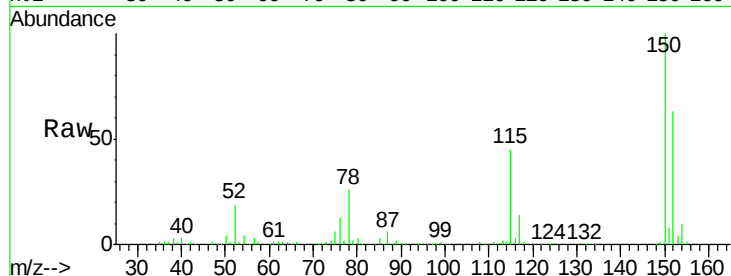


#1

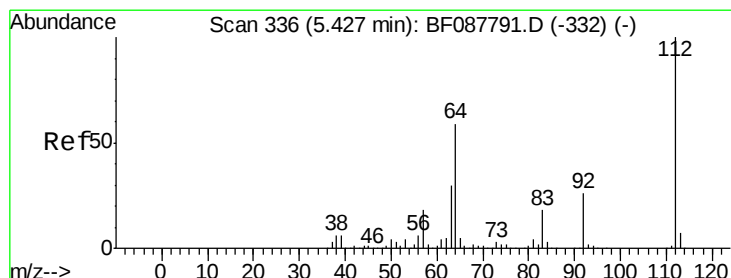
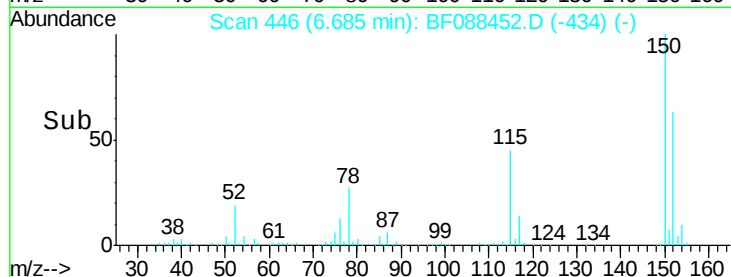
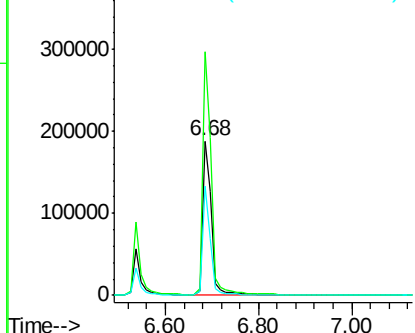
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.16 min
Lab File: BF088452.D
Acq: 27 Jun 2016 13:20

Instrument :
BNA_F
ClientSampleId :
PB91593TB

Tot Ion:152 Resp: 249743
Ion Ratio Lower Upper
152 100
150 157.9 123.8 185.6
115 70.7 39.6 59.4#



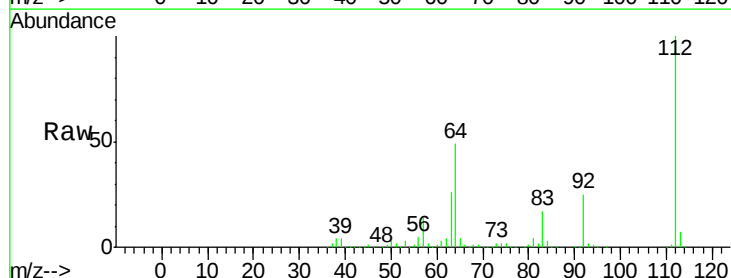
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



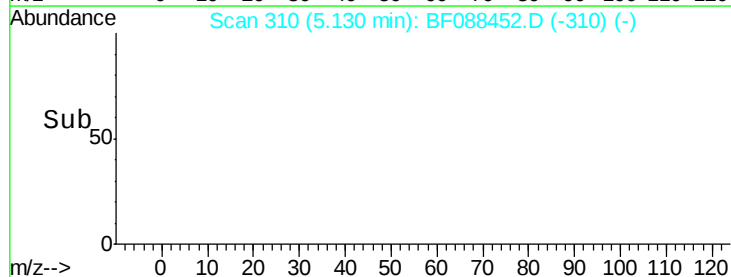
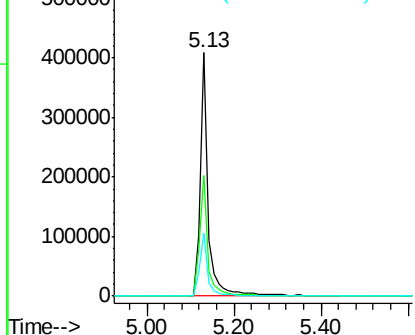
#5

2-Fluorophenol
Concen: 34.96 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088452.D
Acq: 27 Jun 2016 13:20

Tgt Ion:112 Resp: 510686
Ion Ratio Lower Upper
112 100
64 49.4 42.2 63.2
63 25.9 21.8 32.8



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: 33.52 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.27 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

Instrument :

BNA_F

ClientSampleId :

PB91593TB

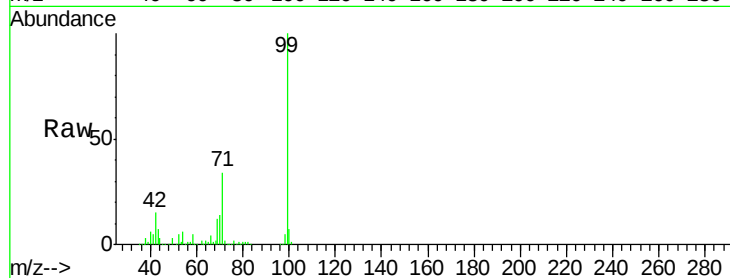
Tot Ion: 99 Resp: 593419

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 34.0 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.20

500000

400000

300000

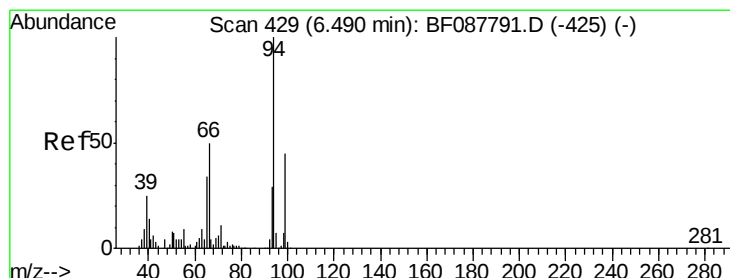
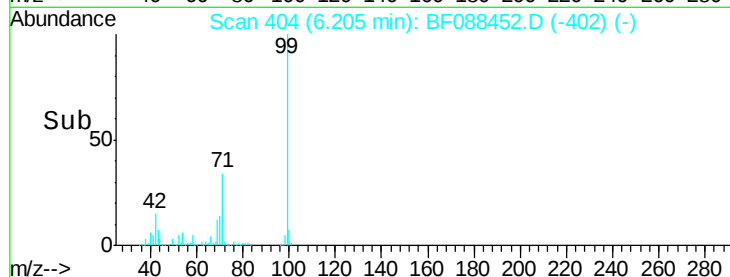
200000

100000

0

6.00 6.20 6.40 6.60

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. -0.18 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

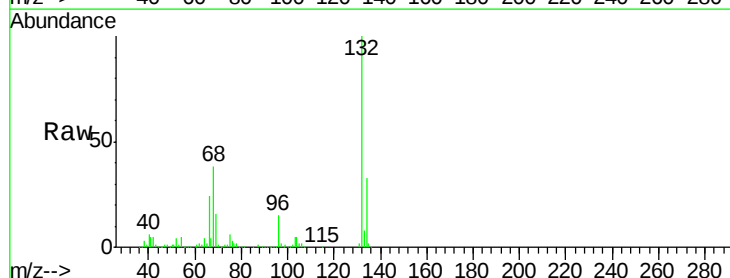
Tgt Ion: 94 Resp: 715

Ion Ratio Lower Upper

94 100

65 926.0 5.9 45.9#

66 11505.6 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

150000

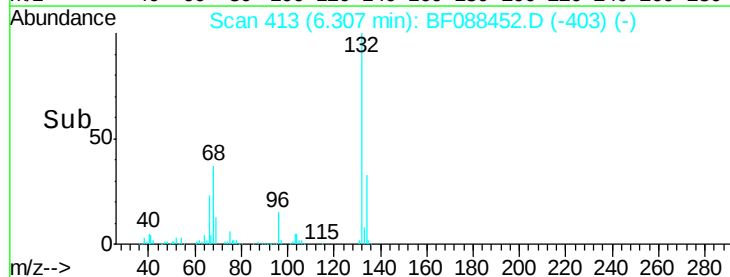
100000

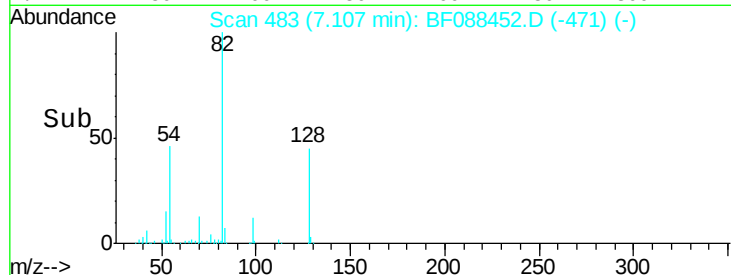
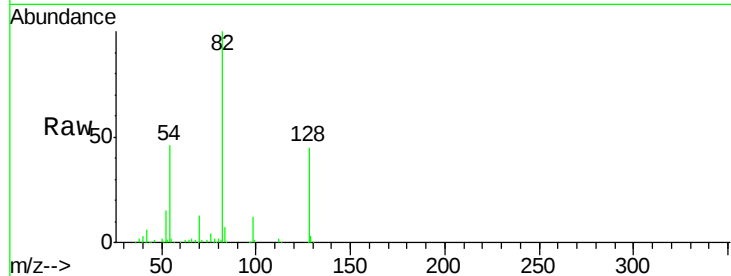
50000

0

6.28 6.30 6.32 6.34

Time-->

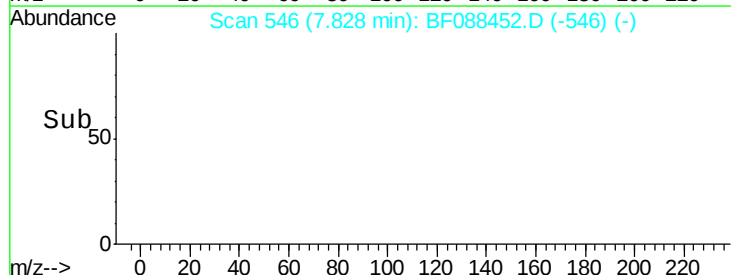
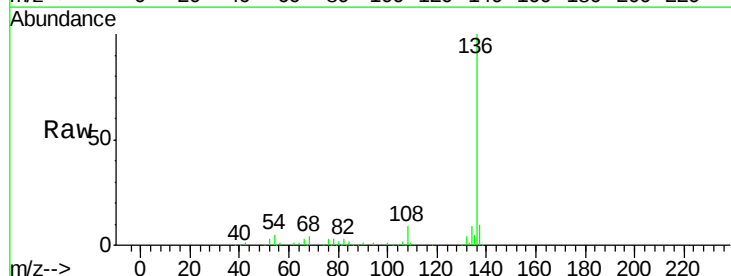
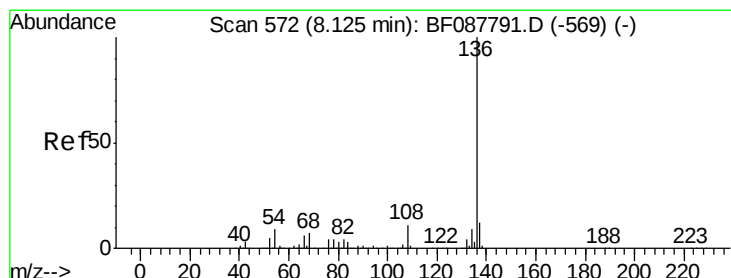
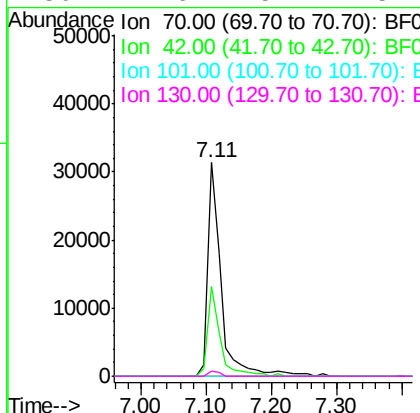




#19
n-Nitroso-di-n-propylamine
Concen: 3.96 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.16 min
Lab File: BF088452.D
Acq: 27 Jun 2016 13:20

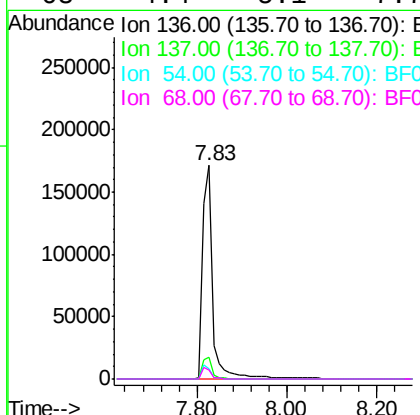
Instrument :
BNA_F
ClientSampleId :
PB91593TB

Tot Ion: 70 Resp: 44887
Ion Ratio Lower Upper
70 100
42 42.2 49.6 74.4#
101 0.0 7.1 10.7#
130 2.6 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.30 min
Lab File: BF088452.D
Acq: 27 Jun 2016 13:20

Tgt Ion: 136 Resp: 271091
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 4.9 6.6 10.0#
68 4.4 5.1 7.7#

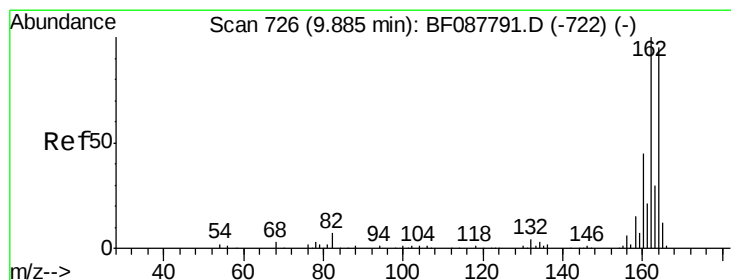
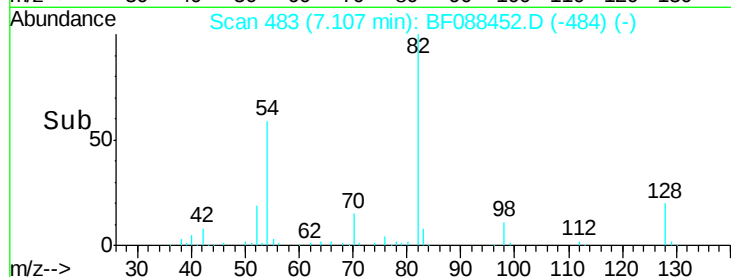
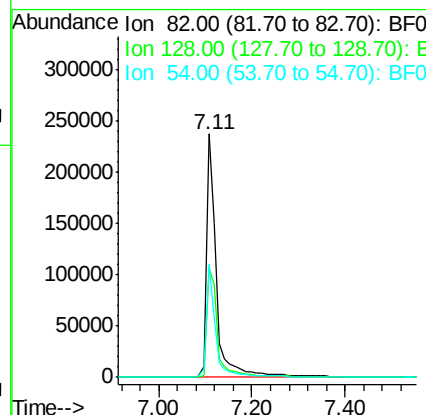
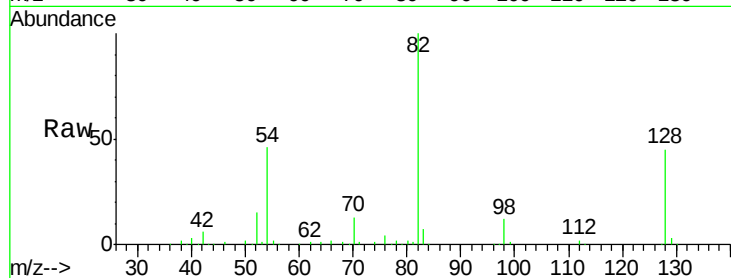




#23
 Nitrobenzene-d5
 Concen: 77.54 ng
 RT: 7.11 min Scan# 483
 Delta R.T. -0.31 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

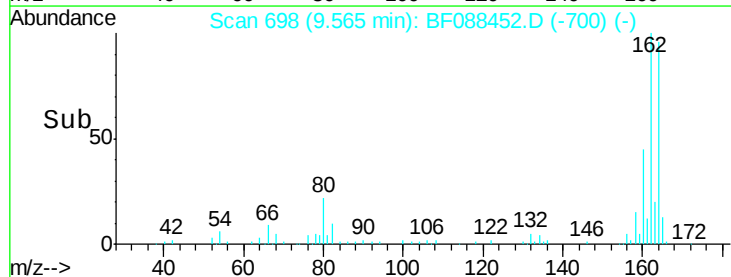
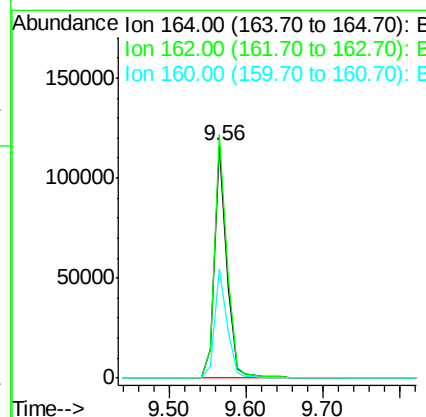
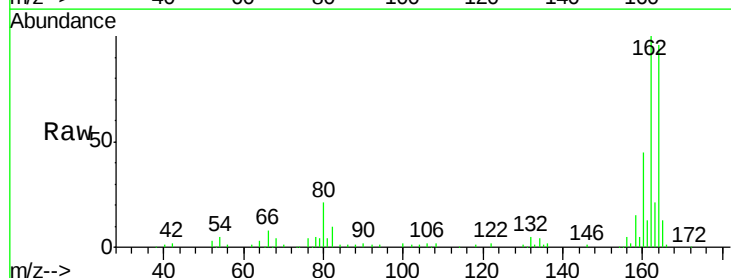
Instrument :
 BNA_F
 ClientSampleId :
 PB91593TB

Tot Ion: 82 Resp: 359954
 Ion Ratio Lower Upper
 82 100
 128 45.1 35.9 53.9
 54 46.2 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.32 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

Tgt Ion:164 Resp: 128774
 Ion Ratio Lower Upper
 164 100
 162 104.6 85.4 128.2
 160 47.0 39.5 59.3

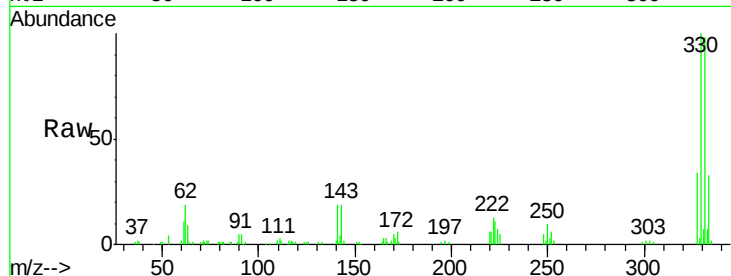




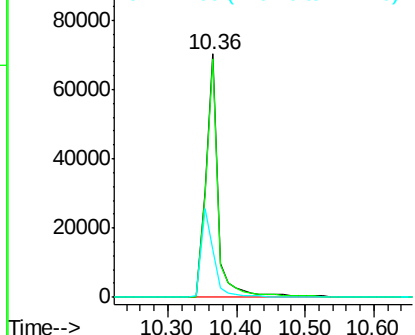
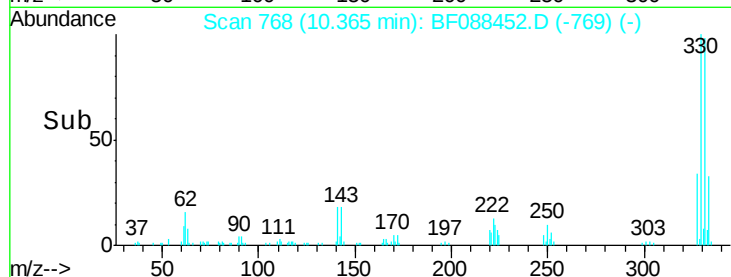
#41
 2,4,6-Tribromophenol
 Concen: 63.47 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

Instrument :
 BNA_F
 ClientSampleId :
 PB91593TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	36.6	0.0	0.0#

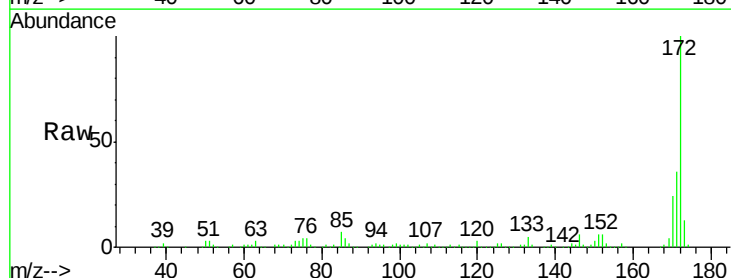


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

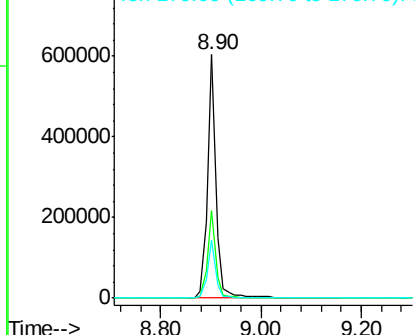
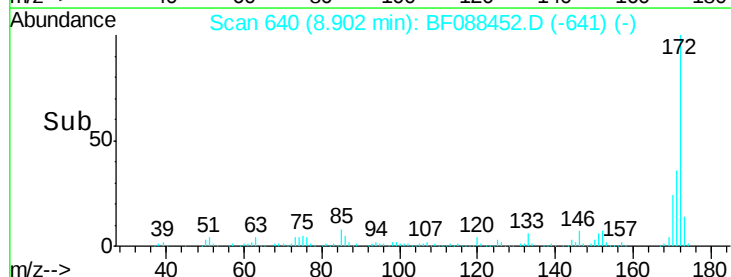


#44
 2-Fluorobiphenyl
 Concen: 87.70 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.31 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.90 min Scan# 640

Delta R.T. -0.40 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

Instrument :

BNA_F

ClientSampleId :

PB91593TB

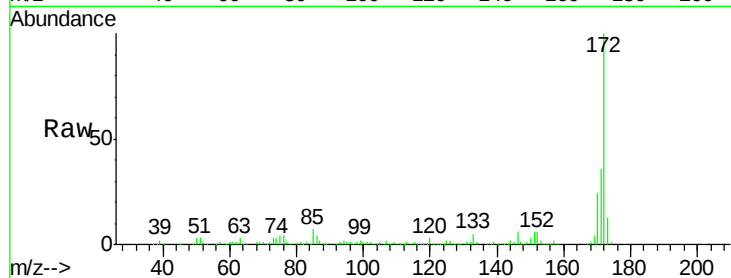
Tot Ion:154 Resp: 1101

Ion Ratio Lower Upper

154 100

153 987.4 20.6 60.6#

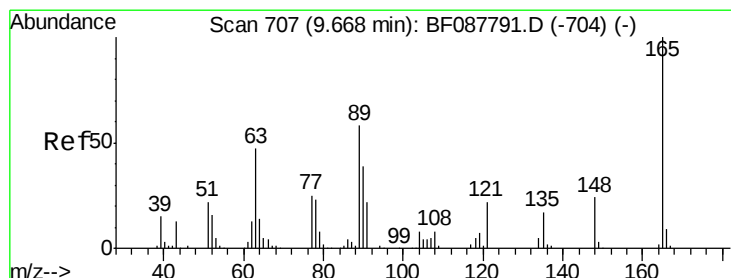
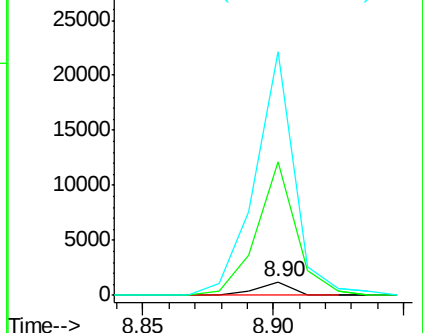
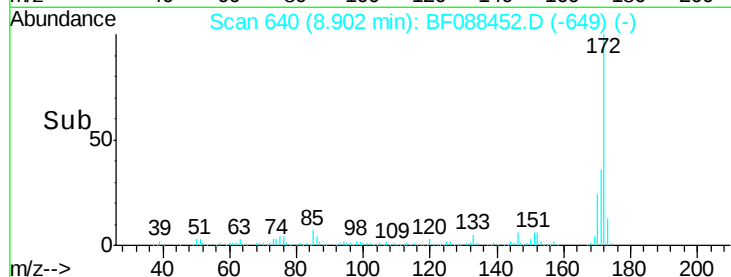
76 1793.8 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.60 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.10 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

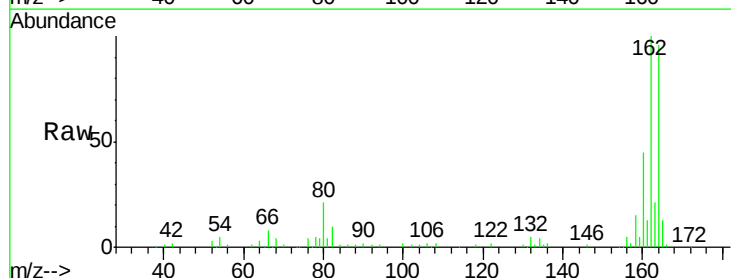
Tgt Ion:165 Resp: 16232

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

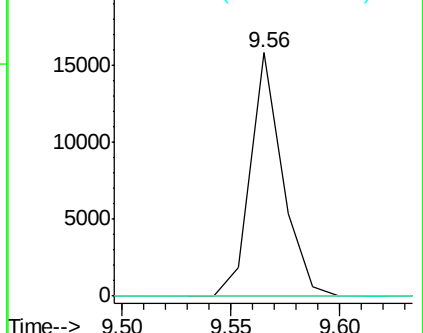
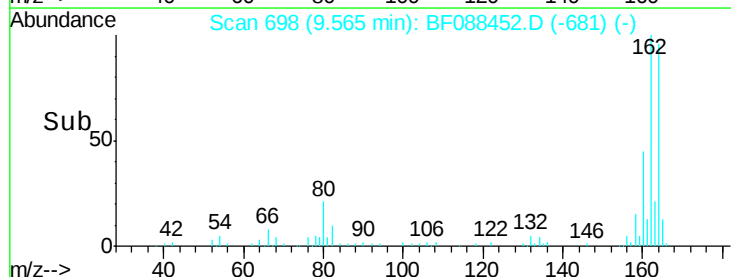
89 0.0 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

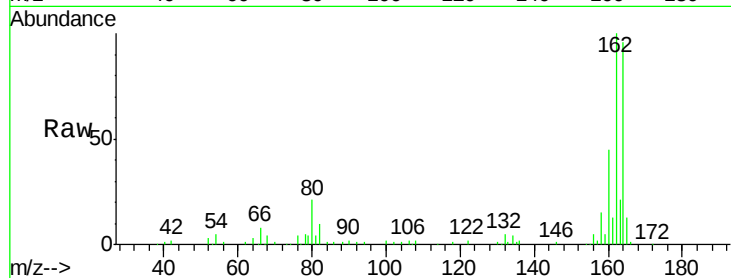




#56
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.50 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

Instrument :
 BNA_F
 ClientSampleId :
 PB91593TB

Tot Ion:165	Resp:	16234
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.0 33.0#
89	0.0	41.1 61.7#
182	0.0	2.0 3.0#

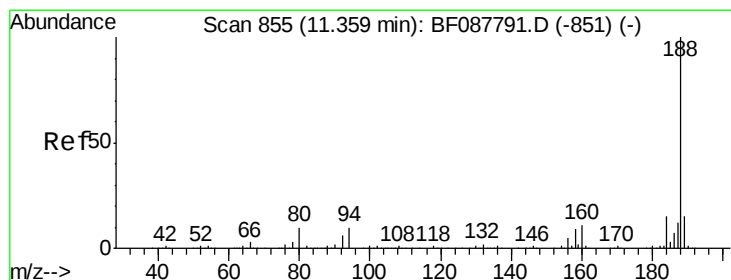
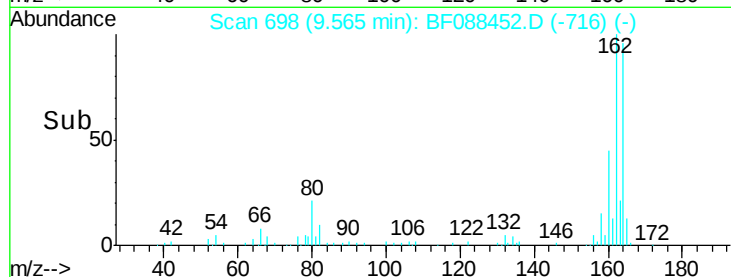
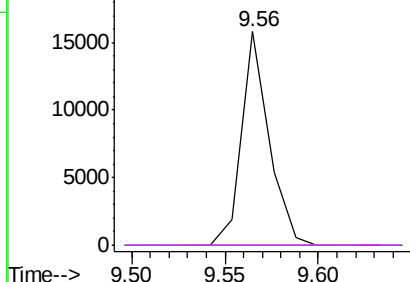


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

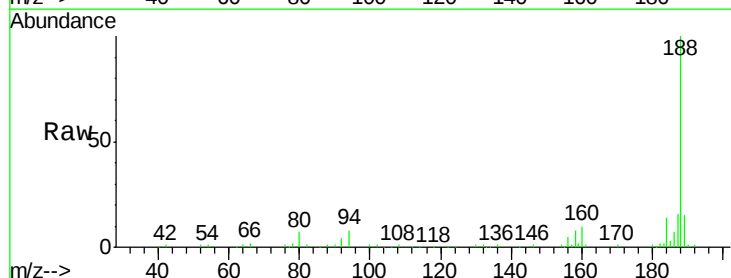
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.31 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

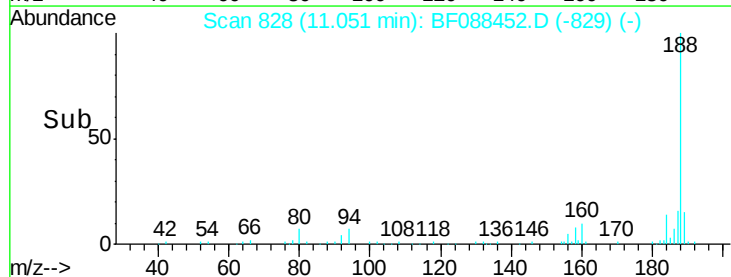
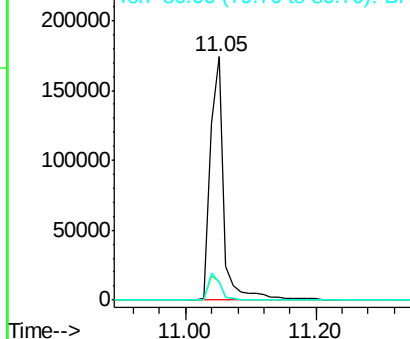
Tgt Ion:188	Resp:	251179
Ion Ratio	Lower	Upper
188	100	
94	7.6	9.0 13.6#
80	7.3	10.0 15.0#

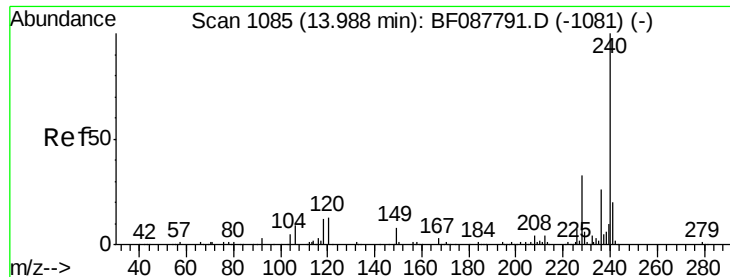


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.32 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

Instrument :

BNA_F

ClientSampleId :

PB91593TB

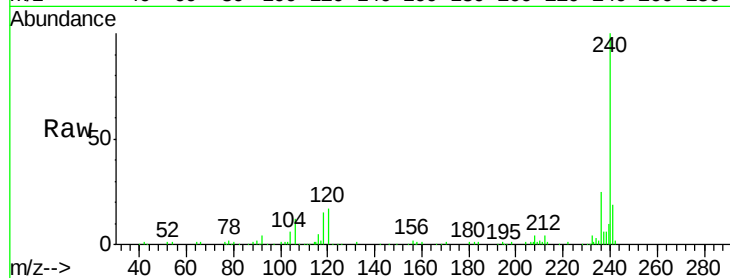
Tot Ion:240 Resp: 229672

Ion Ratio Lower Upper

240 100

120 16.8 6.8 10.2#

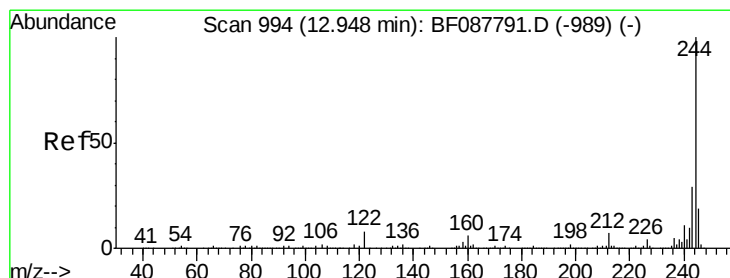
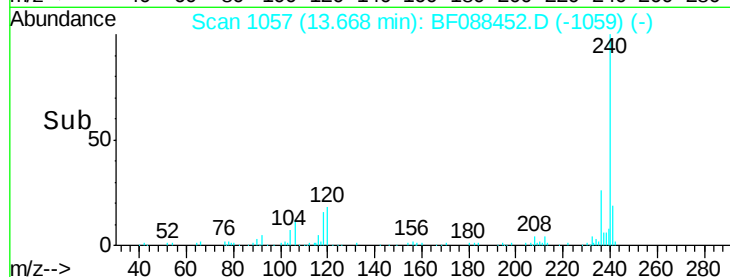
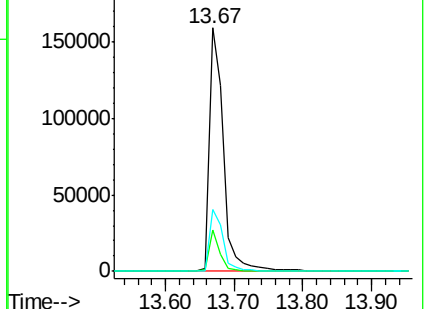
236 25.4 20.2 30.2



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: 68.08 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.32 min

Lab File: BF088452.D

Acq: 27 Jun 2016 13:20

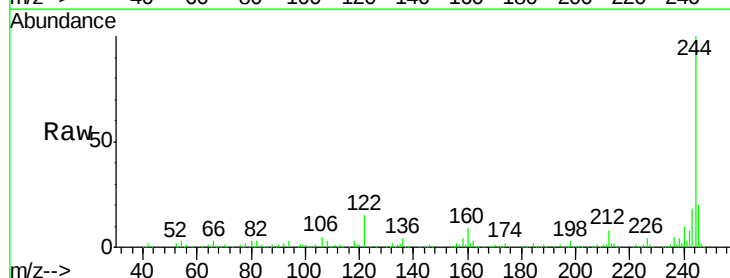
Tgt Ion:244 Resp: 687097

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

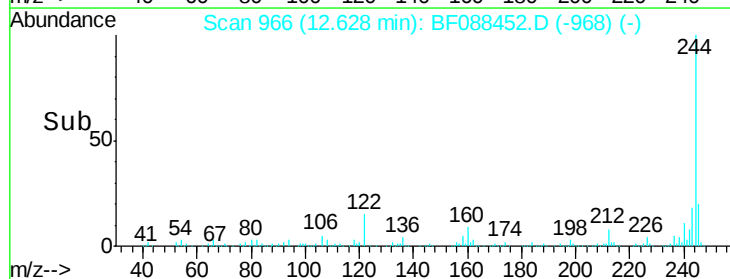
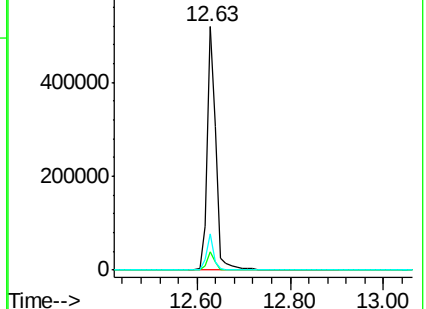
122 15.1 11.2 16.8

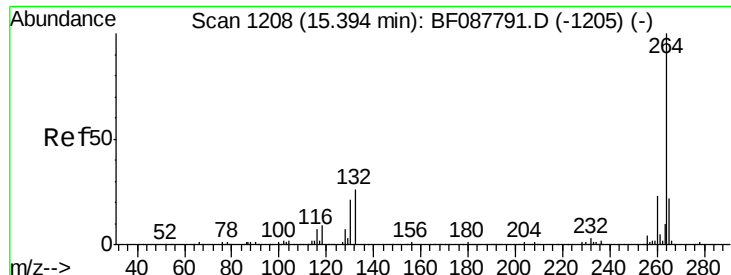


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

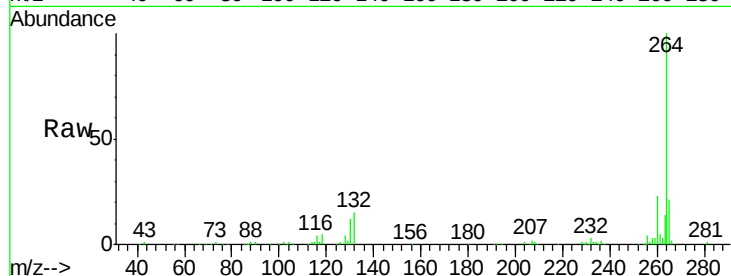




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088452.D
 Acq: 27 Jun 2016 13:20

Instrument :
 BNA_F
 ClientSampleId :
 PB91593TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.3	16.9	25.3



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

