

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062116\
 Data File : BF088223.D
 Acq On : 21 Jun 2016 20:15
 Operator : UM/SJ
 Sample : H3682-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-2

Quant Time: Jun 22 00:50:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

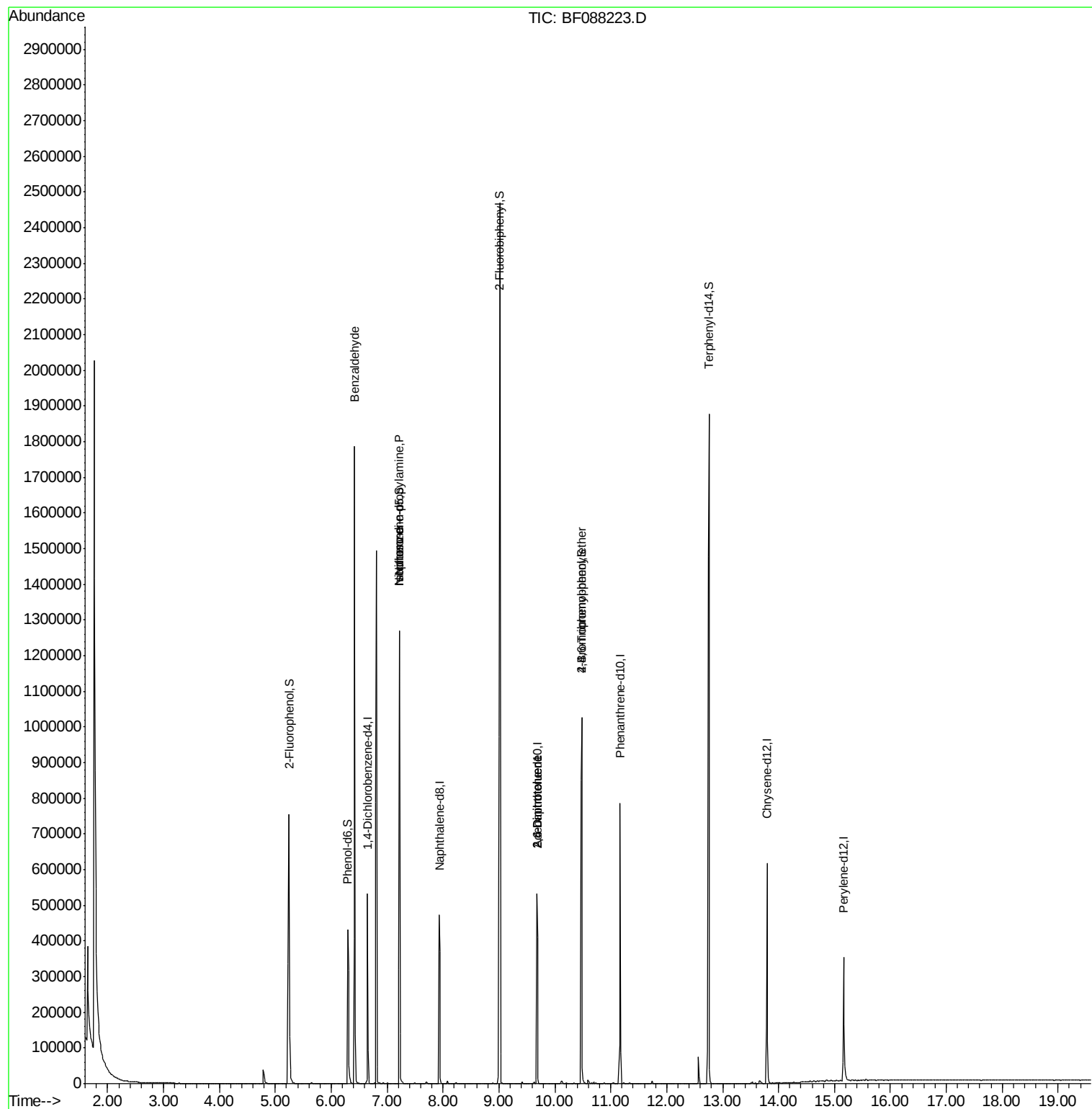
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	81360	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	311026	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	145595	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	278145	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	219238	20.00	ng	-0.01
86) Perylene-d12	15.17	264	158398	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	288416	60.60	ng	-0.01
7) Phenol-d6	6.30	99	226867	39.33	ng	-0.03
23) Nitrobenzene-d5	7.22	82	430658	80.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	182320	118.60	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	827818	89.62	ng	-0.02
78) Terphenyl-d14	12.75	244	799448	82.98	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.42	77	10652	2.65	ng	# 73
10) Phenol	6.32	94	2134	Below	Cal	# 51
19) n-Nitroso-di-n-propylamine	7.22	70	56415	15.29	ng	# 70
25) Isophorone	7.22	82	351001	35.58	ng	# 65
45) 1,1'-Biphenyl	9.02	154	1740	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.68	165	18569	7.69	ng	# 37
56) 2,4-Dinitrotoluene	9.68	165	18569	5.98	ng	# 36
66) 4-Bromophenyl-phenylether	10.48	248	12044	4.04	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: 6.65 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Instrument :

BNA_F

ClientSampleId :

GW-2

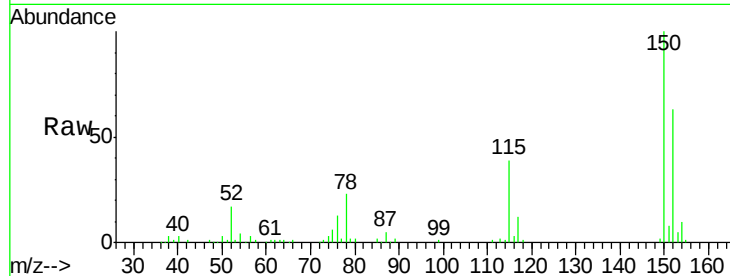
Tgt Ion:152 Resp: 81360

Ion Ratio Lower Upper

152 100

150 158.2 123.8 185.6

115 61.7 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

200000

150000

100000

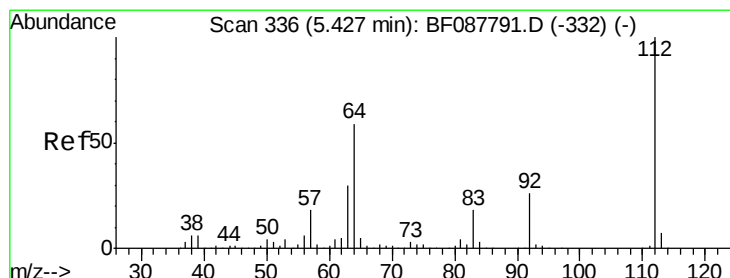
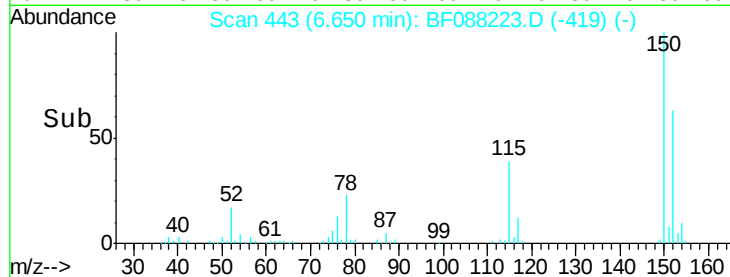
50000

0

6.65

6.60 6.65 6.70 6.75

Time-->



#5

2-Fluorophenol

Concen: 60.60 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

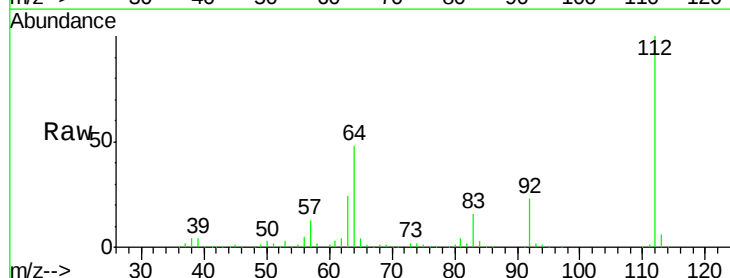
Tgt Ion:112 Resp: 288416

Ion Ratio Lower Upper

112 100

64 48.0 42.2 63.2

63 24.2 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

300000

200000

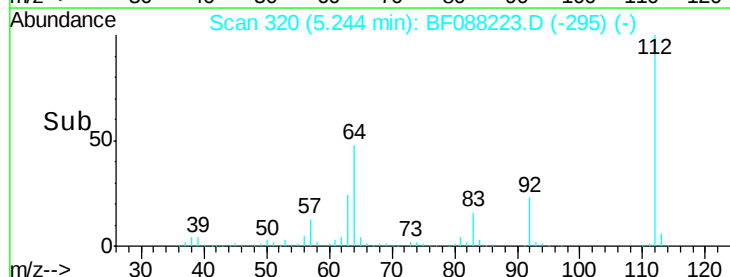
100000

0

5.24

5.10 5.20 5.30 5.40 5.50

Time-->





#7

Phenol-d6

Concen: 39.33 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Instrument :

BNA_F

ClientSampleId :

GW-2

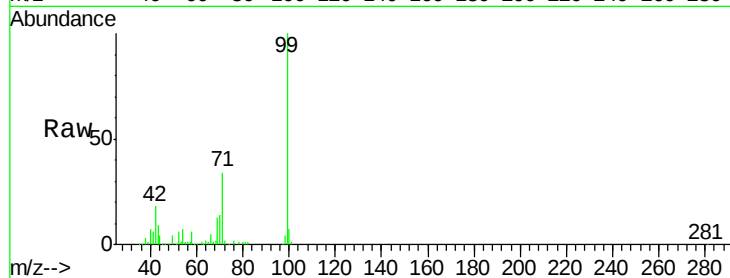
Tgt Ion: 99 Resp: 226867

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

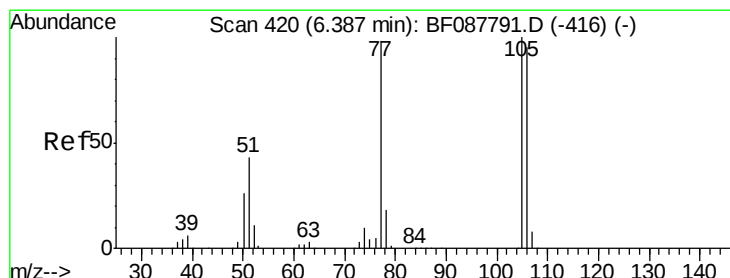
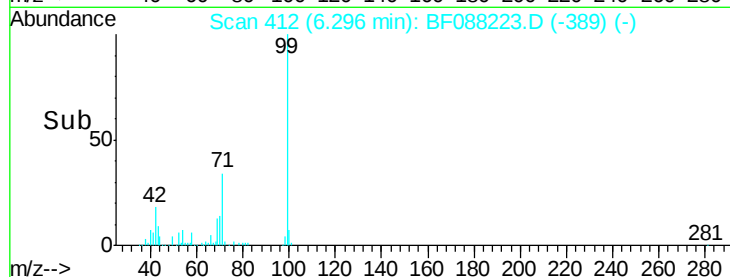
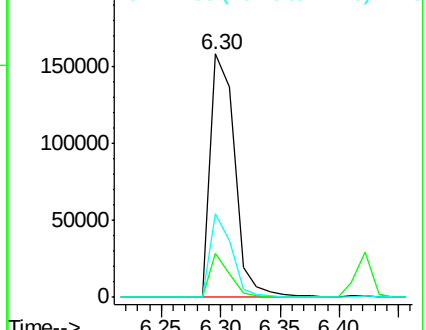
71 34.4 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.65 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.21 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

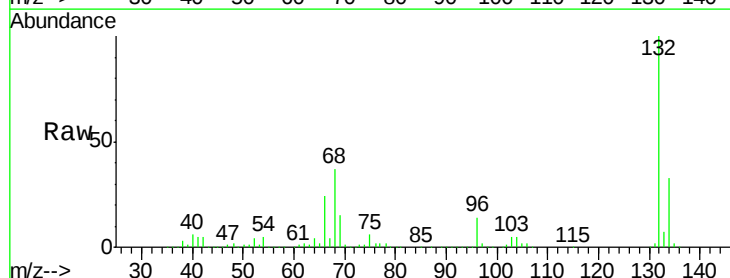
Tgt Ion: 77 Resp: 10652

Ion Ratio Lower Upper

77 100

105 83.4 90.6 130.6#

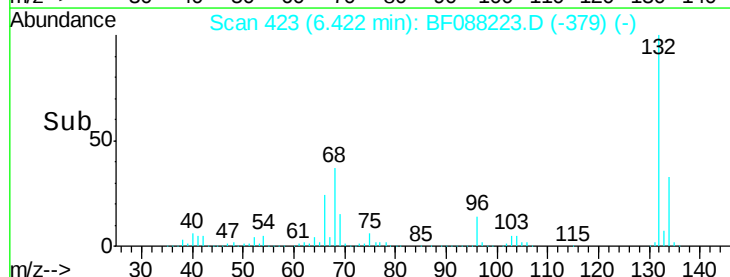
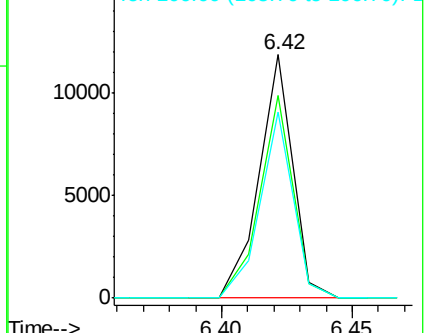
106 76.5 85.3 125.3#

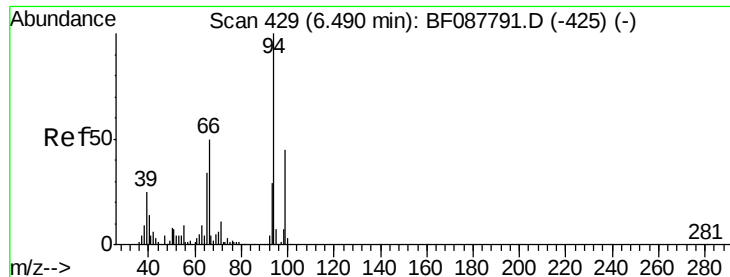


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Instrument :

BNA_F

ClientSampleId :

GW-2

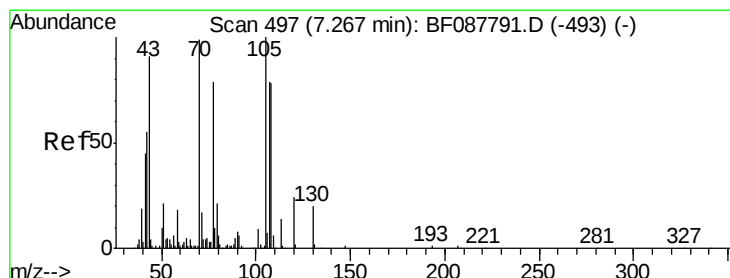
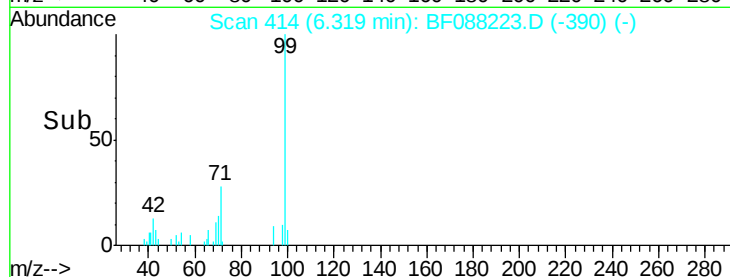
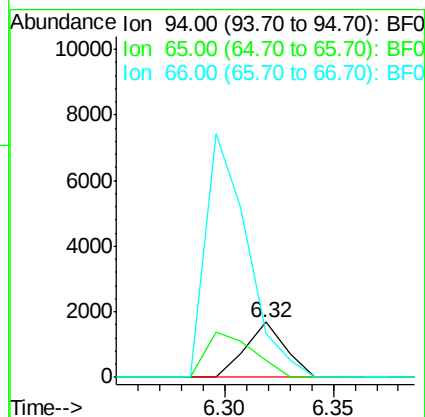
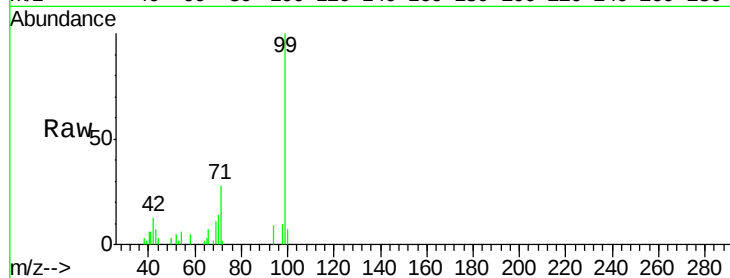
Tgt Ion: 94 Resp: 2134

Ion Ratio Lower Upper

94 100

65 31.0 5.9 45.9

66 78.7 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.29 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.13 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Tgt Ion: 70 Resp: 56415

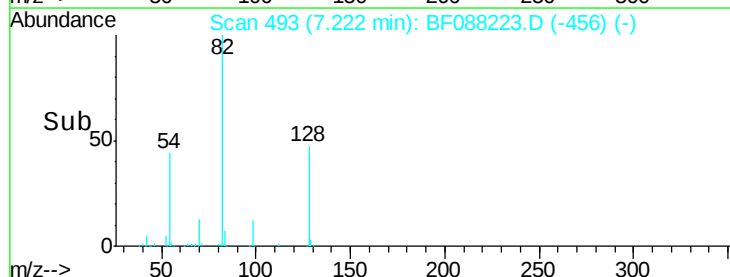
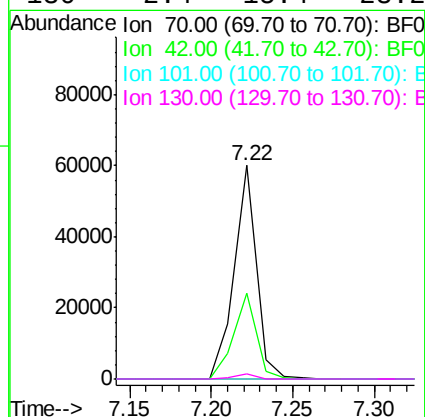
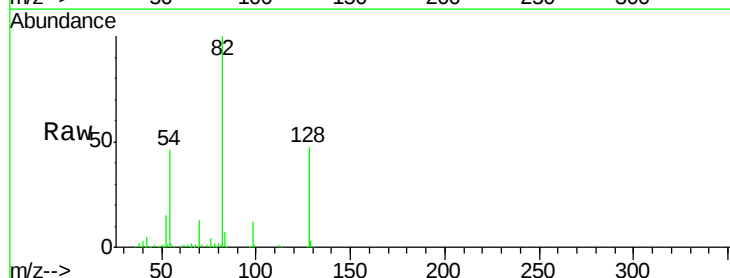
Ion Ratio Lower Upper

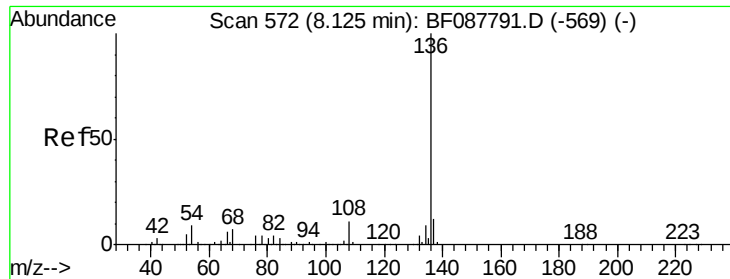
70 100

42 40.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

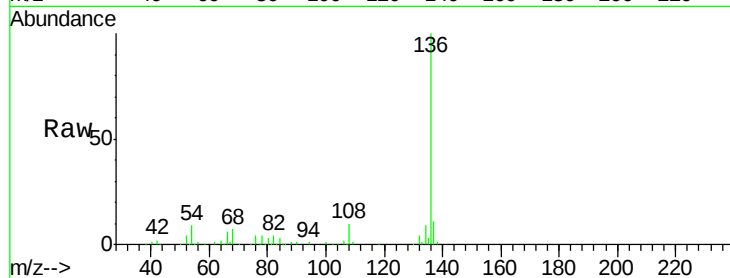




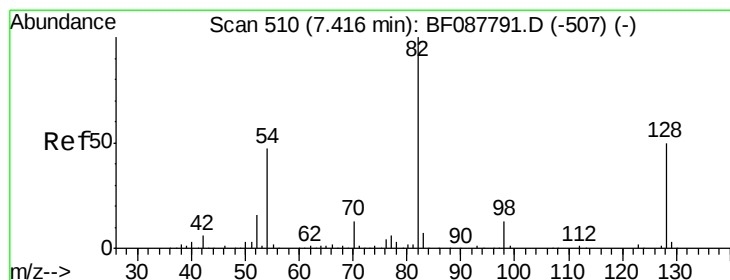
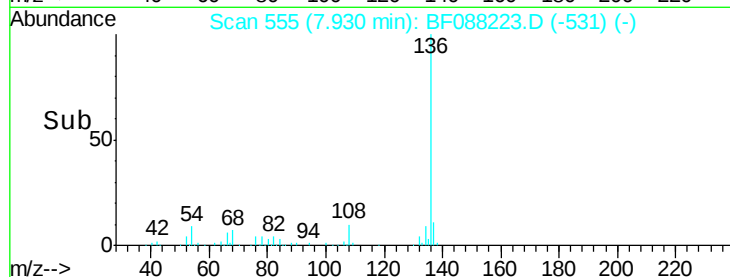
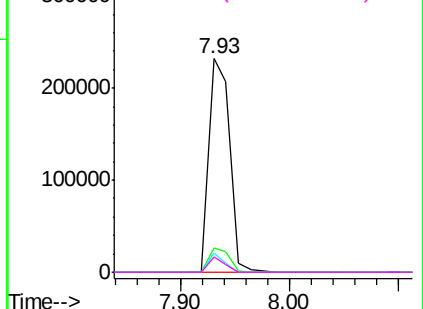
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF088223.D
Acq: 21 Jun 2016 20:15

Instrument :
BNA_F
ClientSampleId :
GW-2

Tgt Ion:	136	Resp:	311026
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.2	6.6	10.0
68	7.1	5.1	7.7

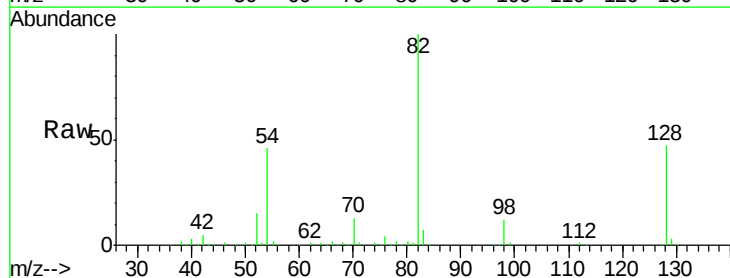


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

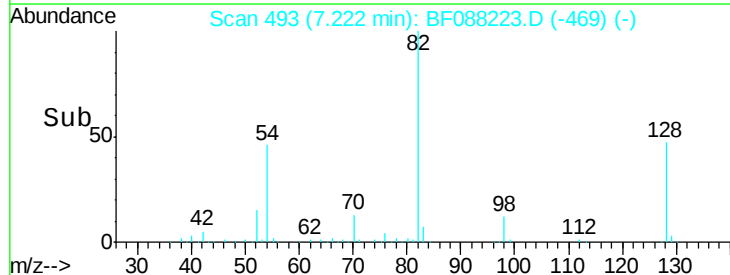
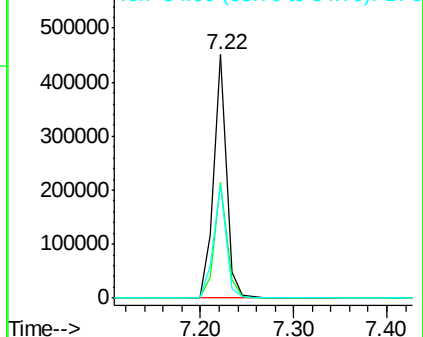


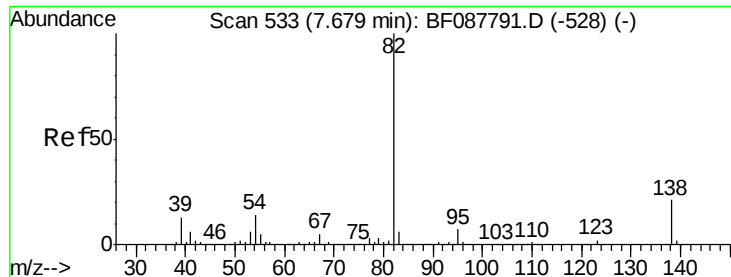
#23
Nitrobenzene-d5
Concen: 80.85 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.02 min
Lab File: BF088223.D
Acq: 21 Jun 2016 20:15

Tgt Ion:	82	Resp:	430658
Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.9	53.9
54	46.3	40.9	61.3



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: 35.58 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.29 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Instrument :

BNA_F

ClientSampleId :

GW-2

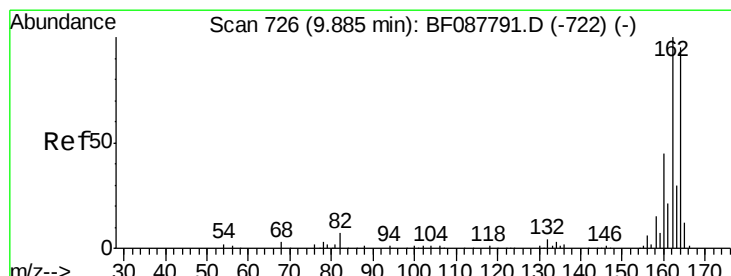
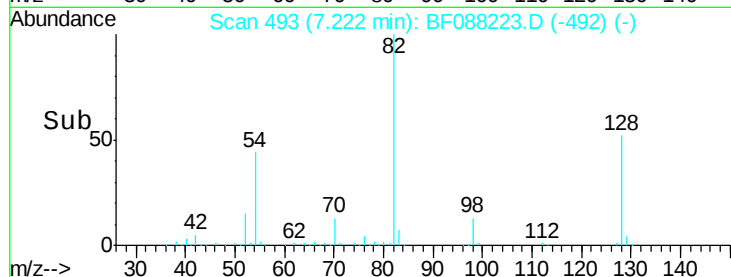
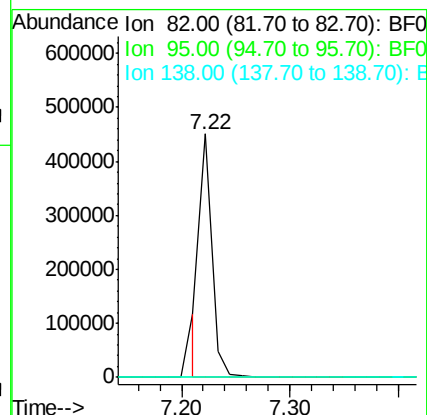
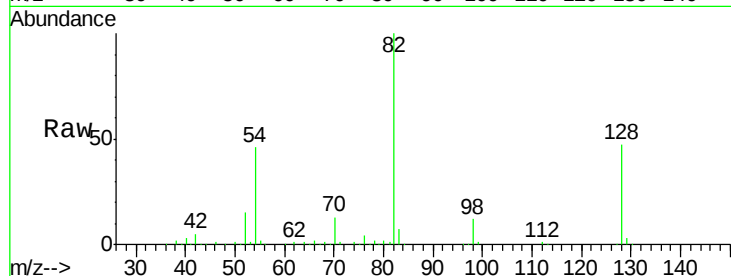
Tgt Ion: 82 Resp: 351001

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

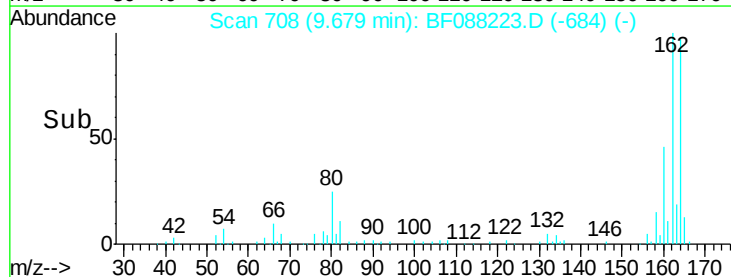
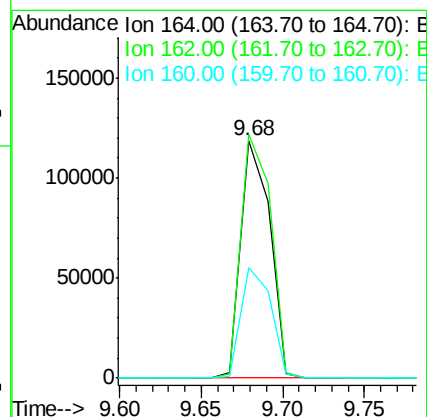
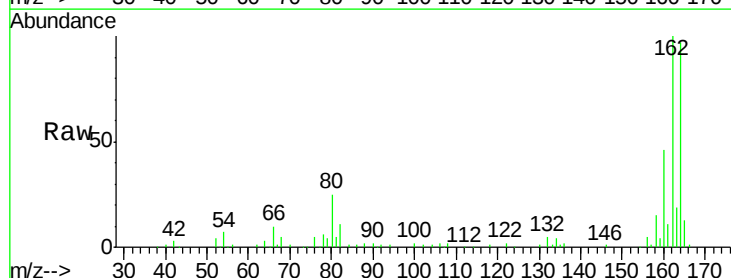
Tgt Ion: 164 Resp: 145595

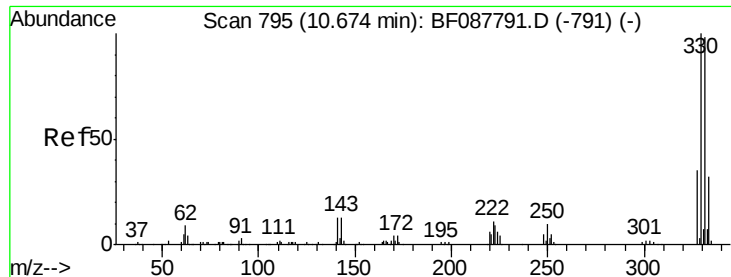
Ion Ratio Lower Upper

164 100

162 102.6 85.4 128.2

160 46.7 39.5 59.3

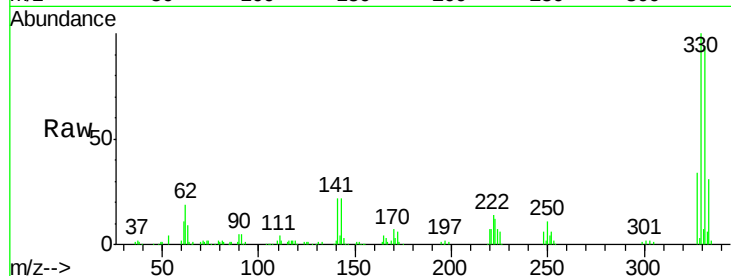




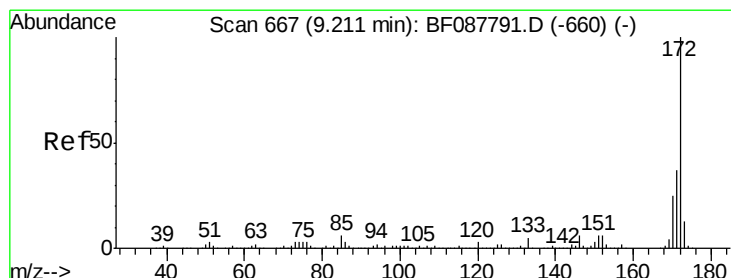
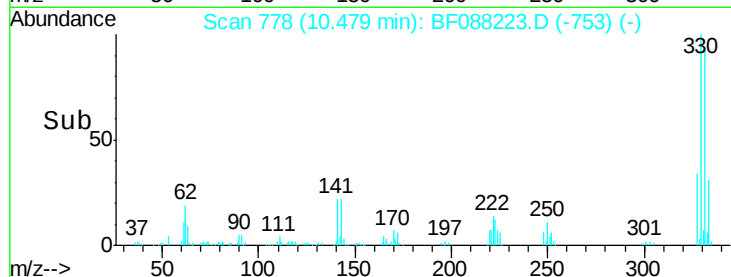
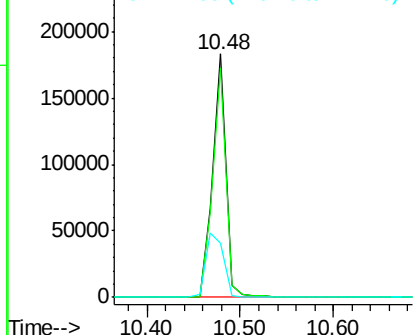
#41
 2,4,6-Tribromophenol
 Concen: 118.60 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	35.2	0.0	0.0#

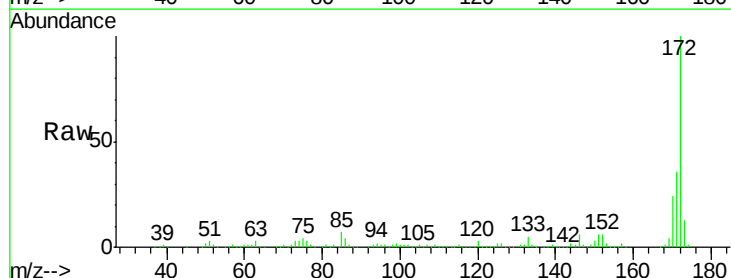


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

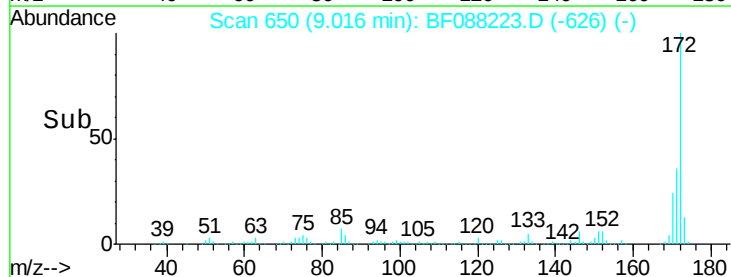
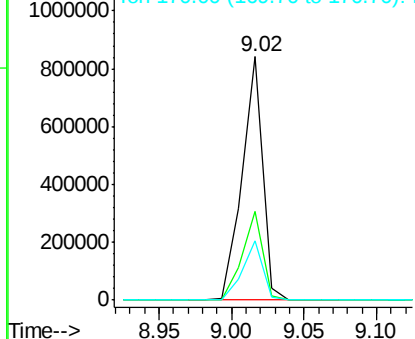


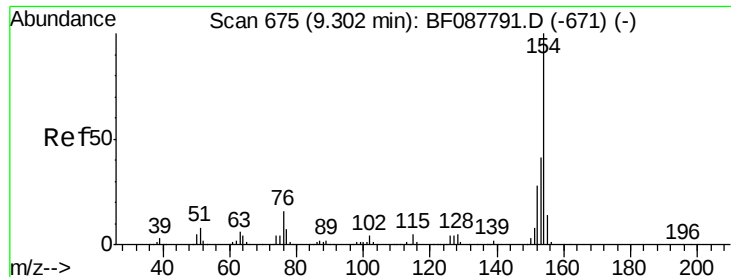
#44
 2-Fluorobiphenyl
 Concen: 89.62 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.4	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

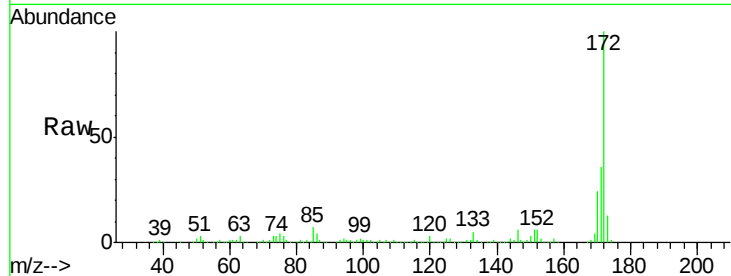




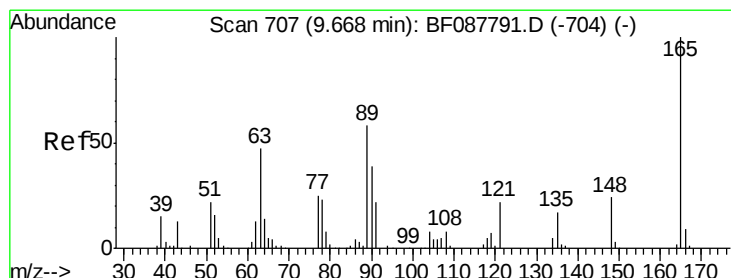
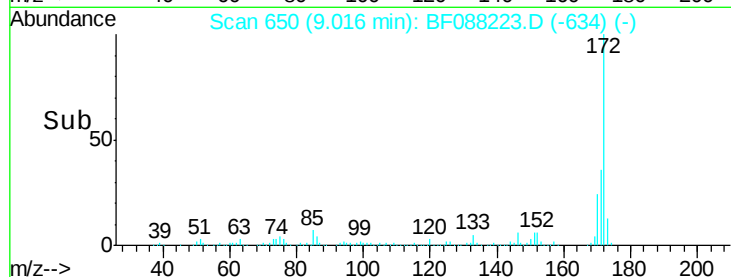
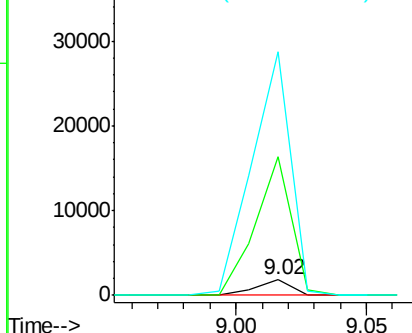
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.11 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:154 Resp: 1740
 Ion Ratio Lower Upper
 154 100
 153 902.3 20.6 60.6#
 76 1581.9 0.0 35.1#

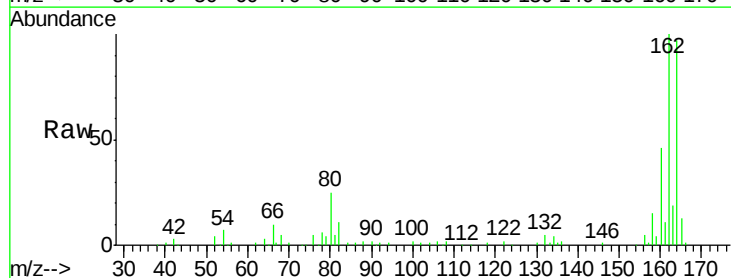


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

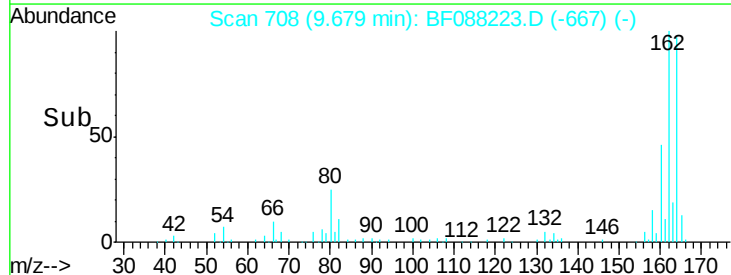
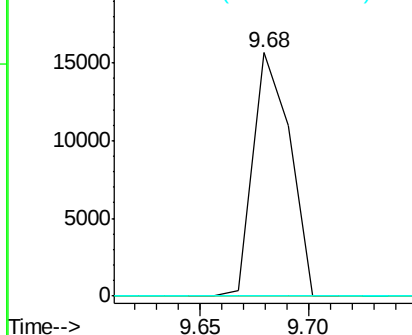


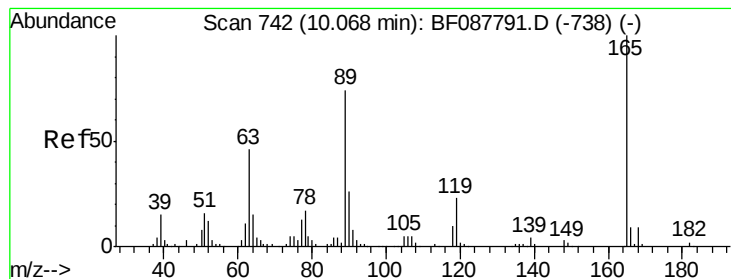
#50
 2,6-Dinitrotoluene
 Concen: 7.69 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.17 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Tgt Ion:165 Resp: 18569
 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: 5.98 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.23 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

Instrument :

BNA_F

ClientSampleId :

GW-2

Tgt Ion:165 Resp: 18569

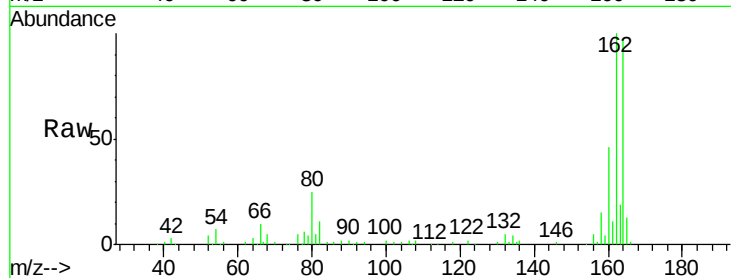
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

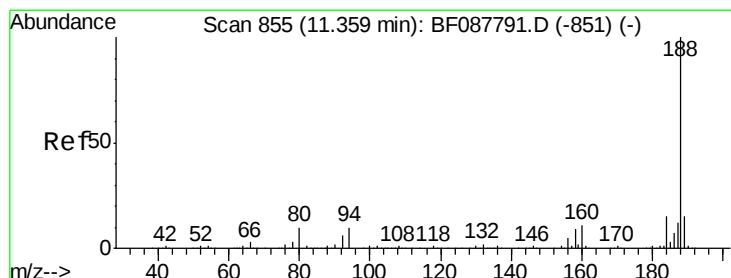
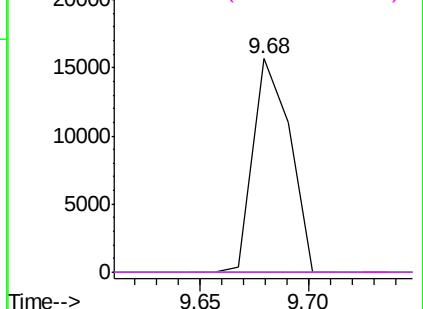
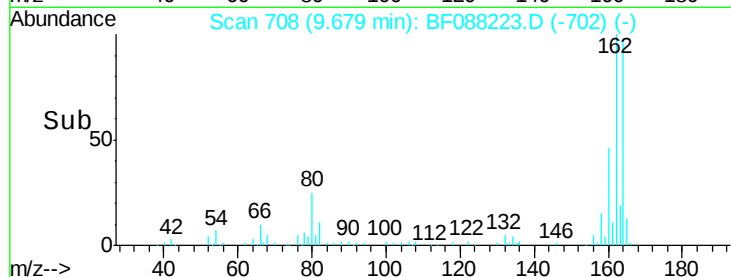


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088223.D

Acq: 21 Jun 2016 20:15

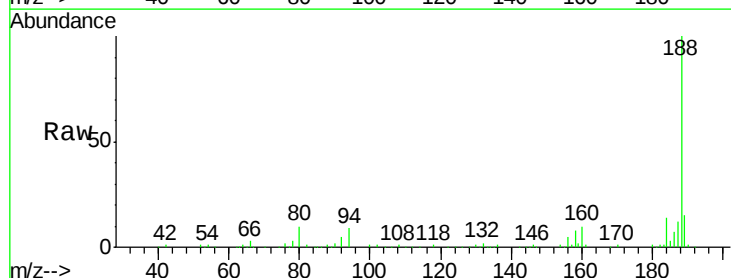
Tgt Ion:188 Resp: 278145

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.6

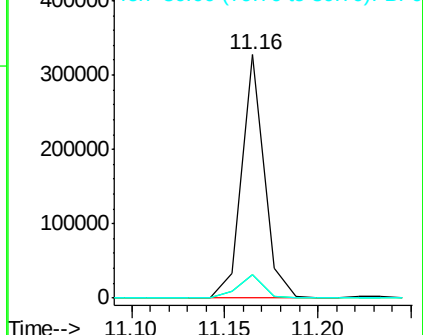
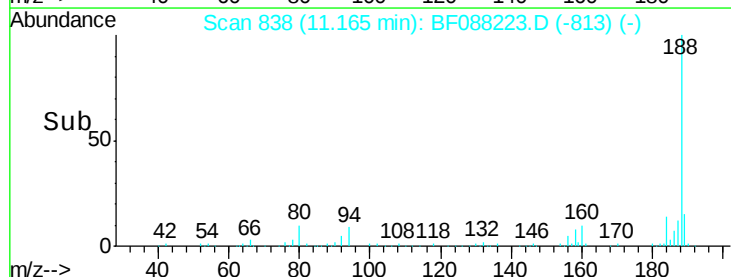
80 9.9 10.0 15.0#

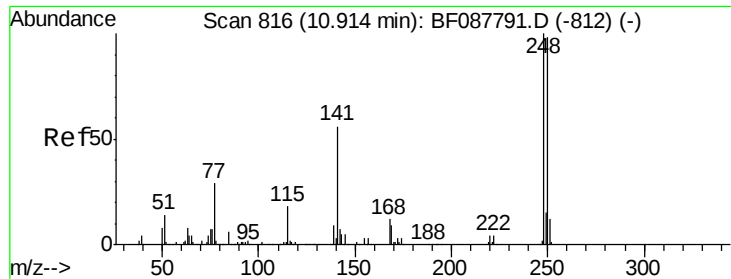


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

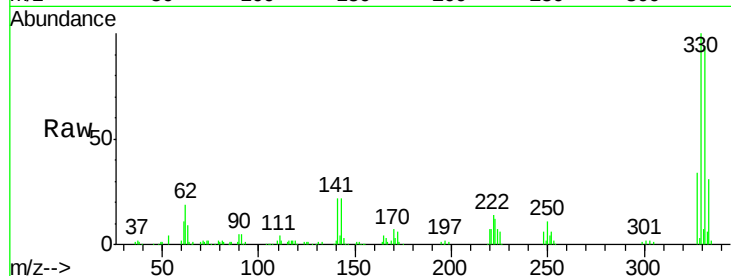




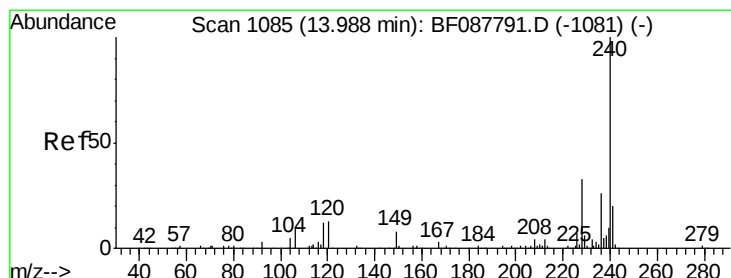
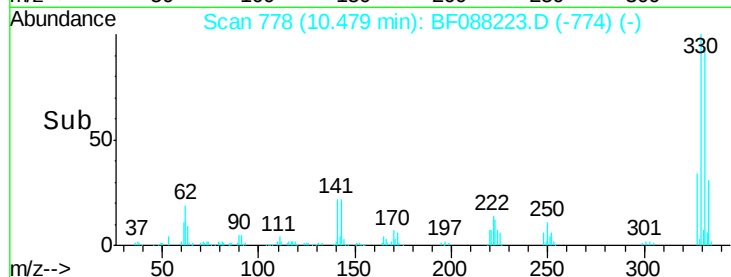
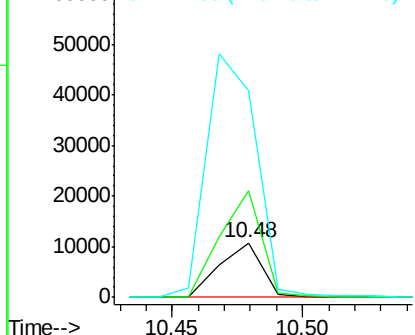
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.25 min
Lab File: BF088223.D
Acq: 21 Jun 2016 20:15

Instrument :
BNA_F
ClientSampleId :
GW-2

Tgt Ion:248 Resp: 12044
Ion Ratio Lower Upper
248 100
250 195.2 77.1 115.7#
141 378.4 50.6 76.0#

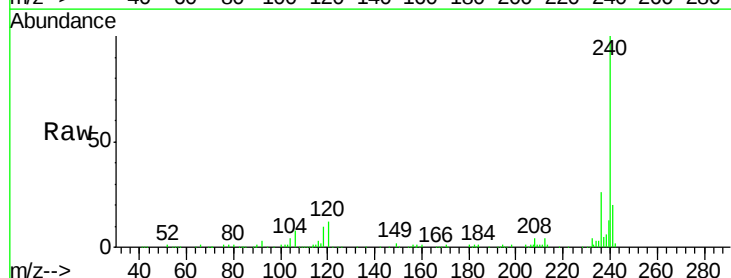


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

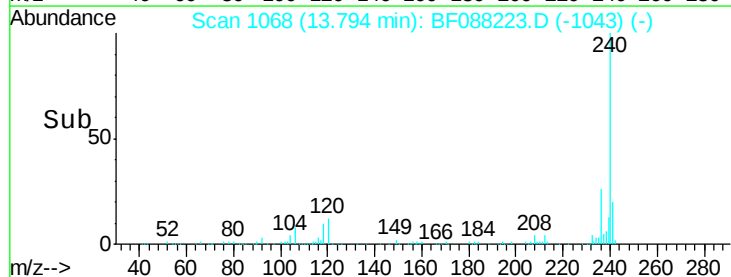
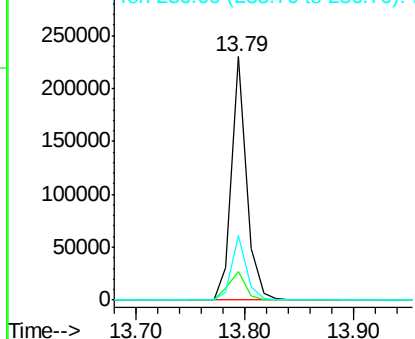


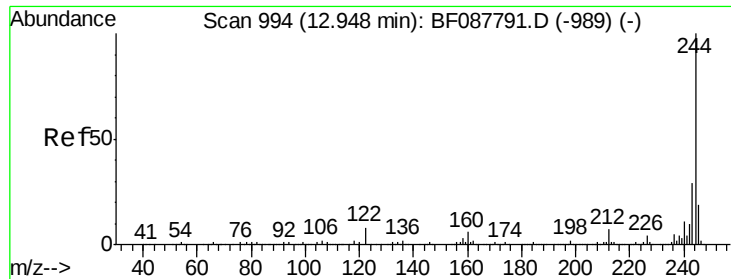
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF088223.D
Acq: 21 Jun 2016 20:15

Tgt Ion:240 Resp: 219238
Ion Ratio Lower Upper
240 100
120 11.9 6.8 10.2#
236 26.2 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

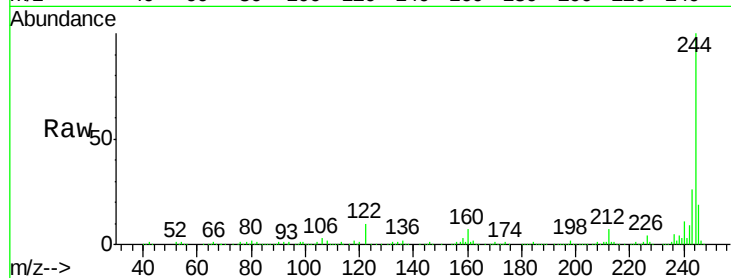




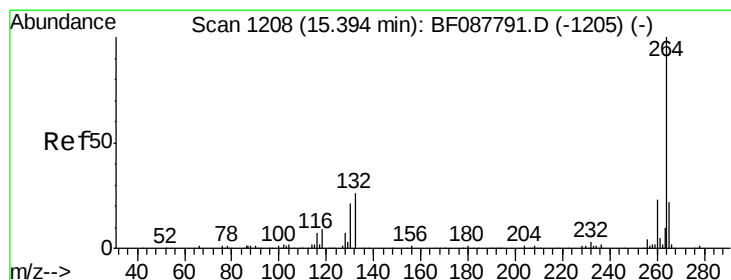
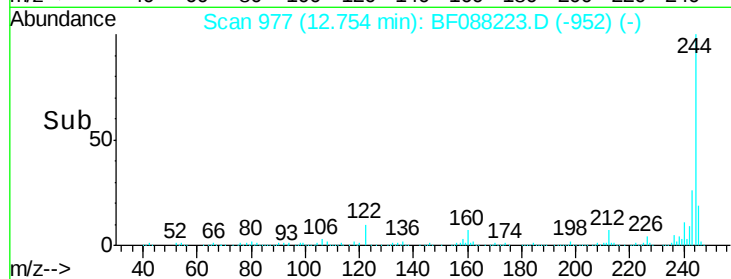
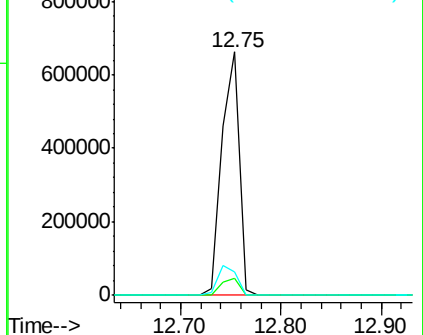
#78
 Terphenyl-d14
 Concen: 82.98 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Instrument :
 BNA_F
 ClientSampleID :
 GW-2

Tgt Ion:244 Resp: 799448
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.7 11.2 16.8#

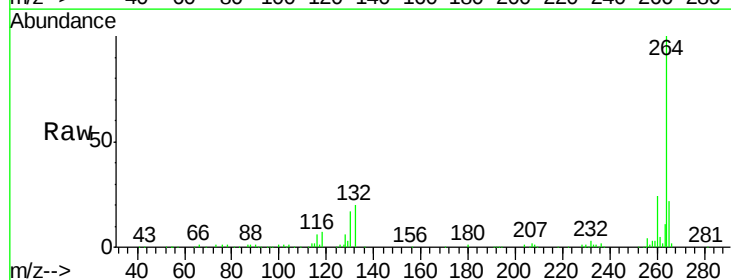


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF088223.D
 Acq: 21 Jun 2016 20:15

Tgt Ion:264 Resp: 158398
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 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

