

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088263.D
 Acq On : 22 Jun 2016 21:45
 Operator : UM/SJ
 Sample : H3676-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 02:28:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

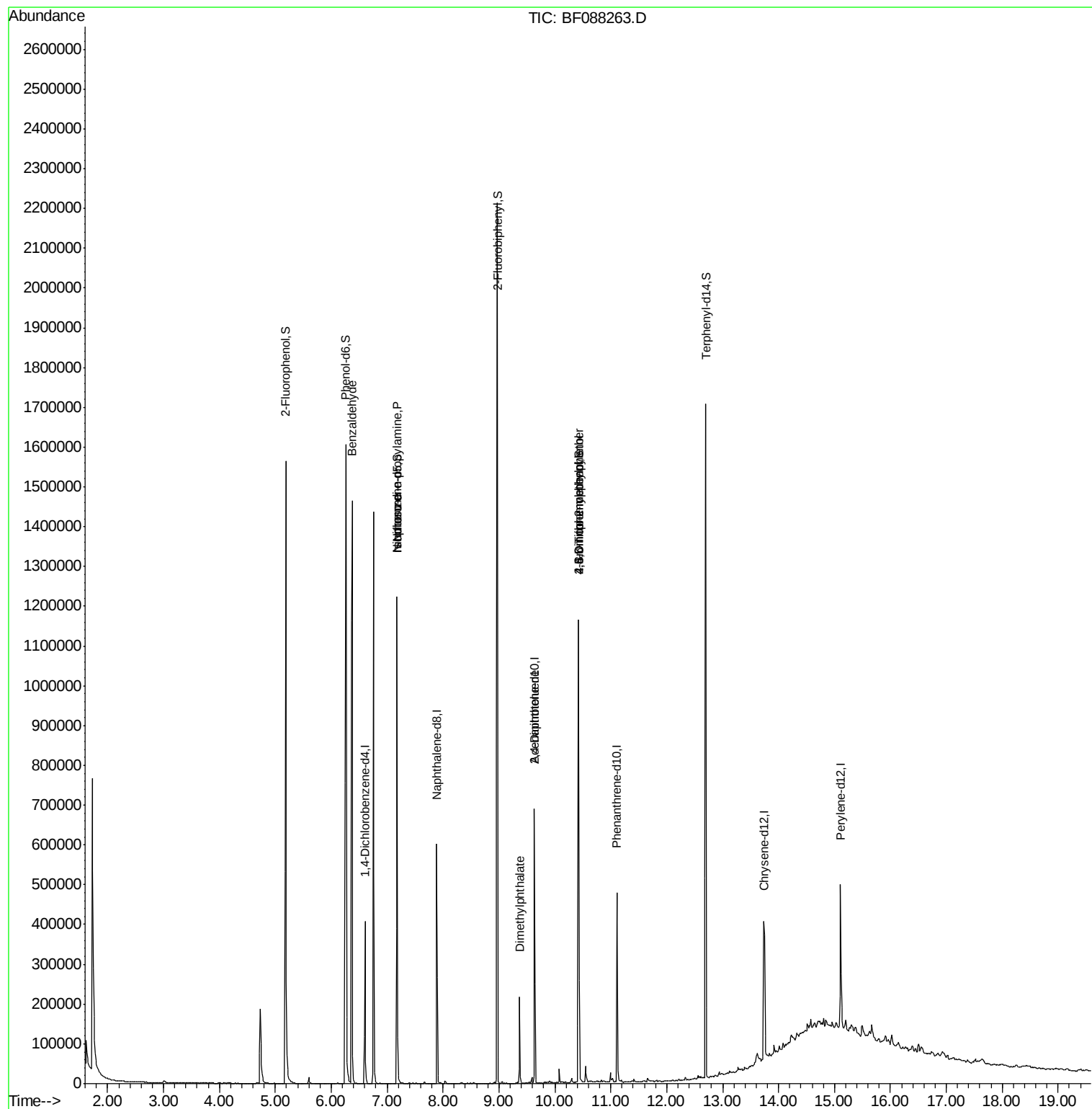
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	73953	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	322158	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	142039	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	251232	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	165509	20.00	ng	0.00
86) Perylene-d12	15.11	264	153752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	544516	125.87	ng	0.01
7) Phenol-d6	6.26	99	703899	134.26	ng	0.00
23) Nitrobenzene-d5	7.18	82	435946	79.02	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	134332	89.57	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	739239	81.53	ng	0.00
78) Terphenyl-d14	12.70	244	523593	71.99	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	11969	3.13	ng	83
10) Phenol	6.27	94	3625	Below	Cal	# 2
19) n-Nitroso-di-n-propylamine	7.18	70	57265	17.07	ng	# 69
25) Isophorone	7.18	82	435938	42.66	ng	# 65
45) 1,1'-Biphenyl	8.97	154	1442	Below	Cal	# 1
49) Dimethylphthalate	9.37	163	92049	8.95	ng	99
56) 2,4-Dinitrotoluene	9.63	165	18192	6.01	ng	# 36
57) Fluorene	10.42	166	7095	Below	Cal	# 91
64) 4,6-Dinitro-2-methylphenol	10.42	198	221	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.42	248	8718	3.23	ng	# 1

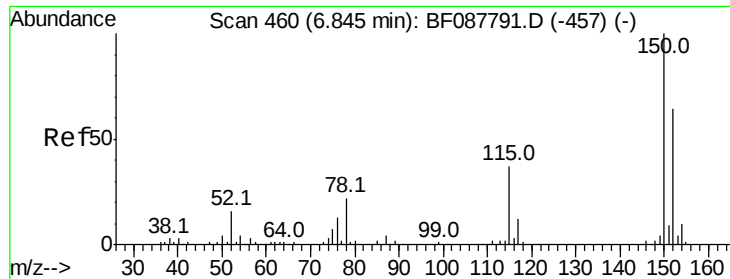
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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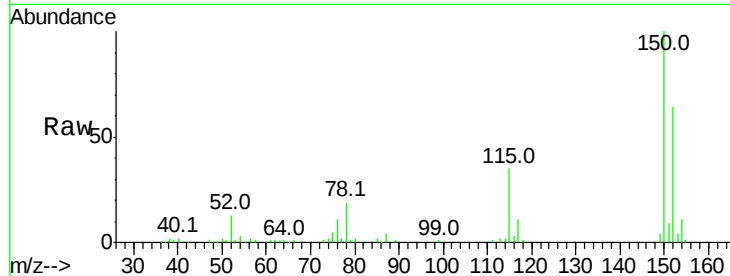


#1

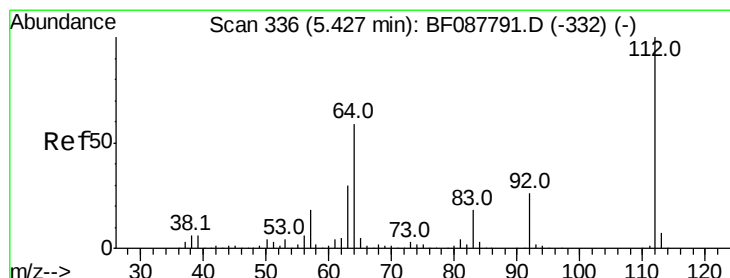
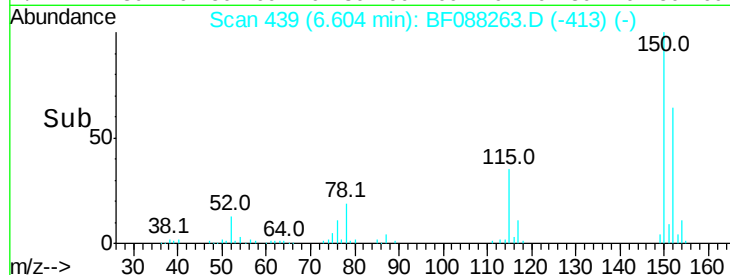
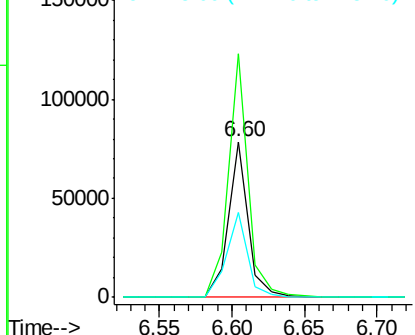
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73953
Ion Ratio Lower Upper
152 100
150 156.4 123.8 185.6
115 54.3 39.6 59.4



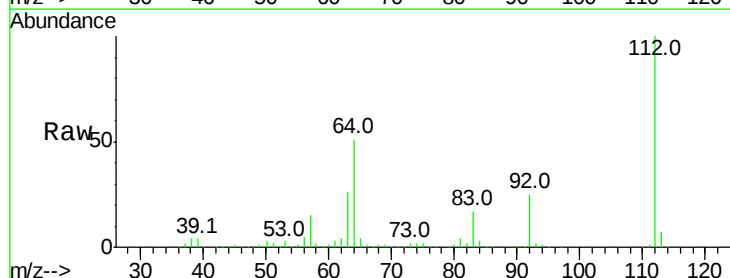
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



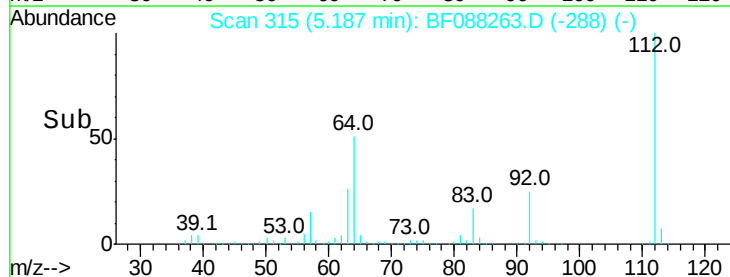
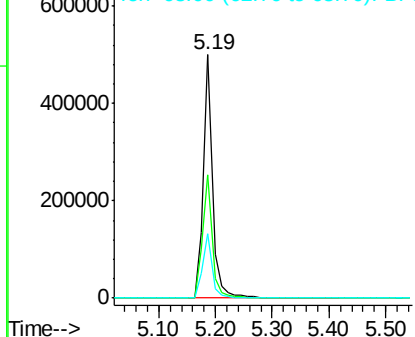
#5

2-Fluorophenol
Concen: 125.87 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

Tgt Ion:112 Resp: 544516
Ion Ratio Lower Upper
112 100
64 50.9 42.2 63.2
63 26.3 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: 134.26 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

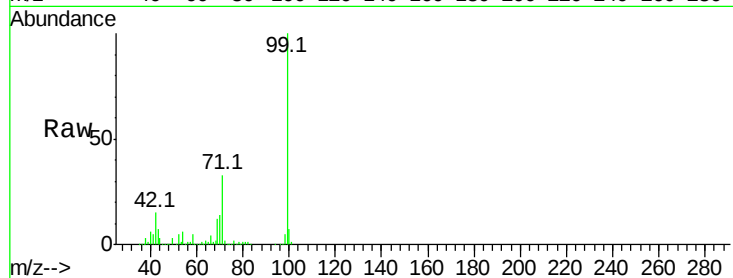
Tot Ion: 99 Resp: 703899

Ion Ratio Lower Upper

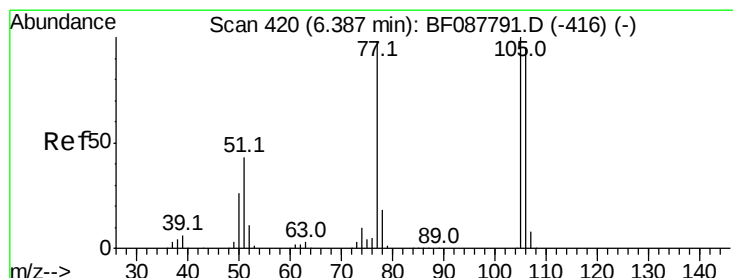
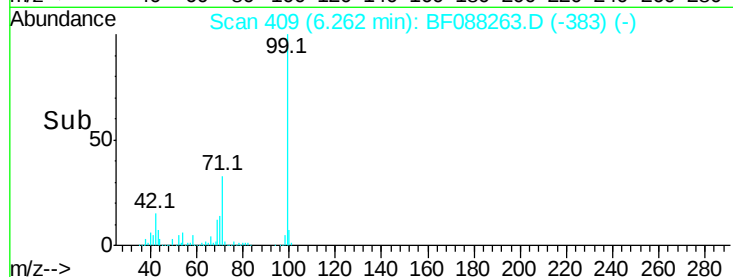
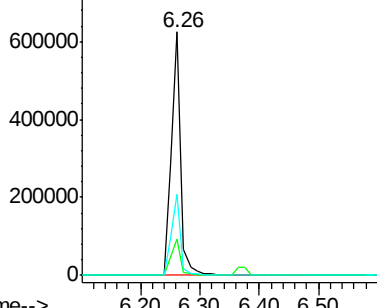
99 100

42 14.7 12.2 18.2

71 33.4 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: 3.13 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.23 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

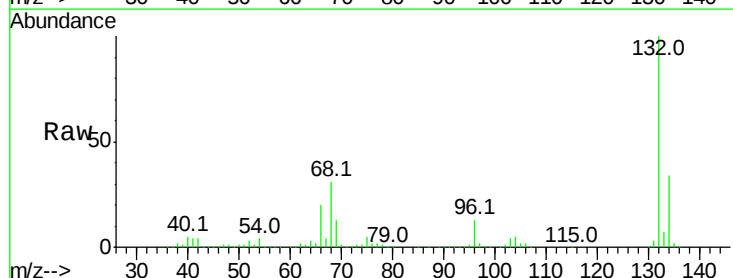
Tgt Ion: 77 Resp: 11969

Ion Ratio Lower Upper

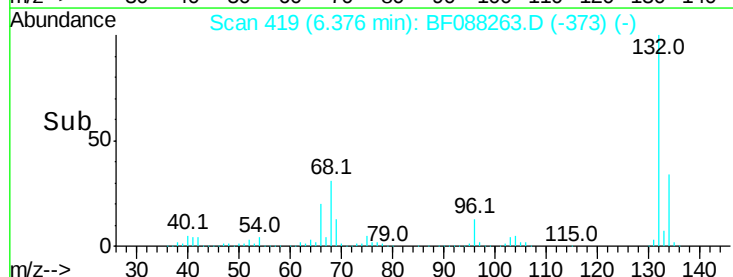
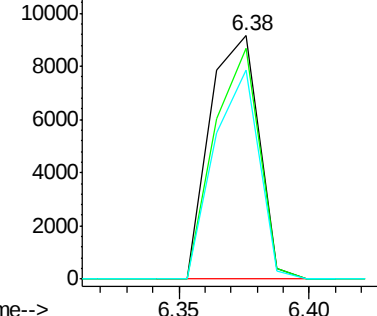
77 100

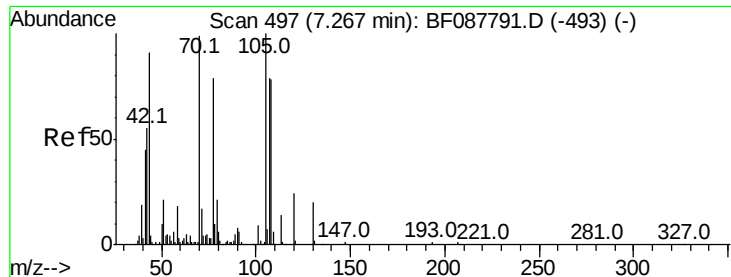
105 94.8 90.6 130.6

106 85.9 85.3 125.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

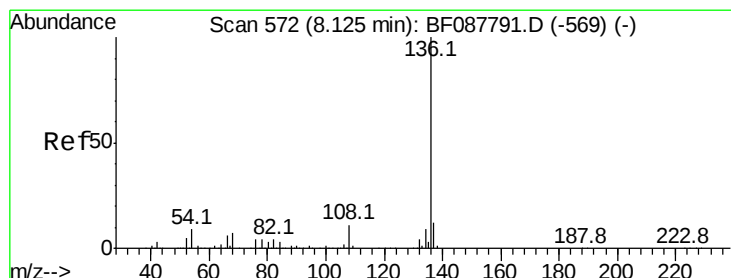
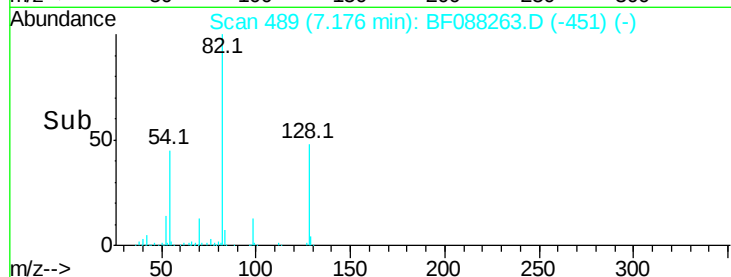
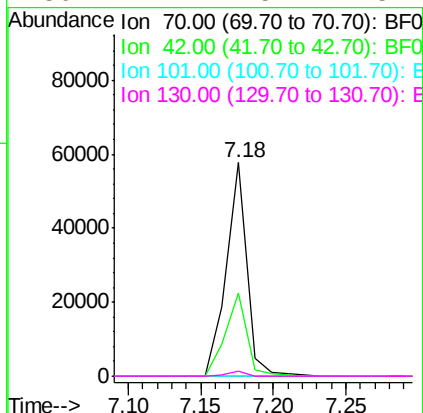
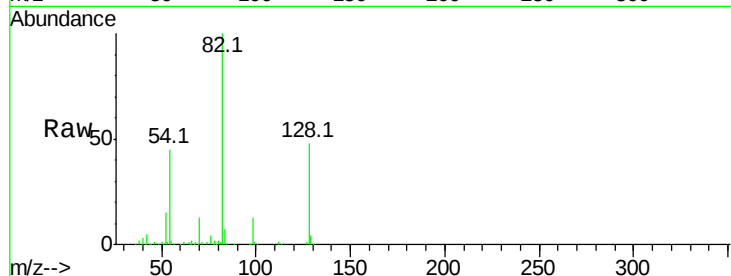




#19
n-Nitroso-di-n-propylamine
Concen: 17.07 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

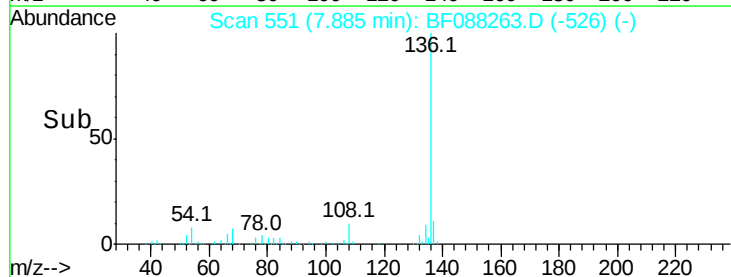
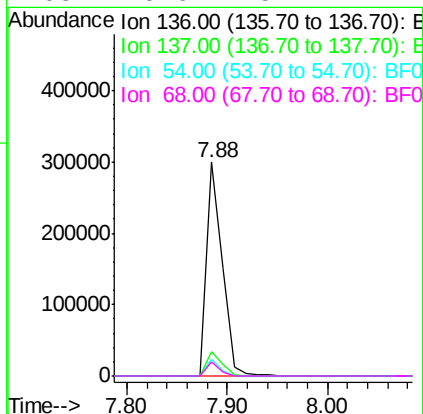
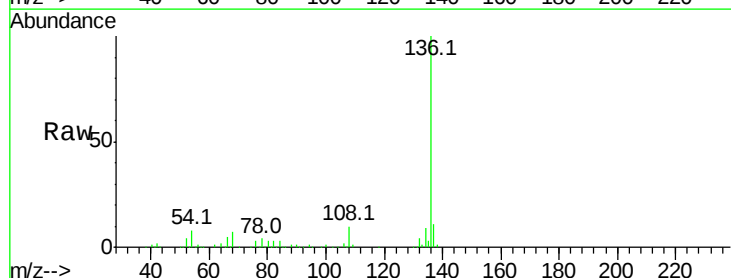
Instrument :
BNA_F
ClientSampleId :

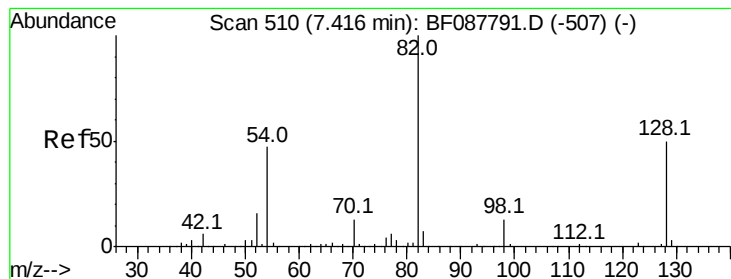
Tot Ion: 70 Resp: 57265
Ion Ratio Lower Upper
70 100
42 39.0 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

Tgt Ion: 136 Resp: 322158
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.1 6.6 10.0
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 79.02 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

Instrument :

BNA_F

ClientSampled :

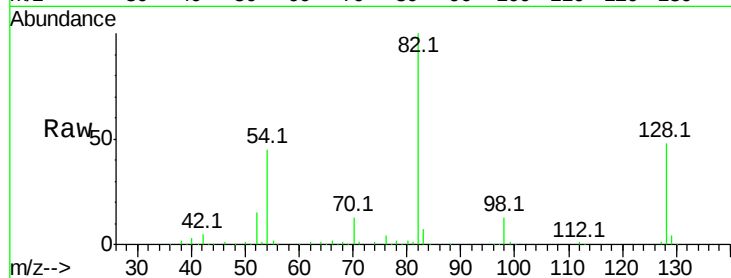
Tot Ion: 82 Resp: 435946

Ion Ratio Lower Upper

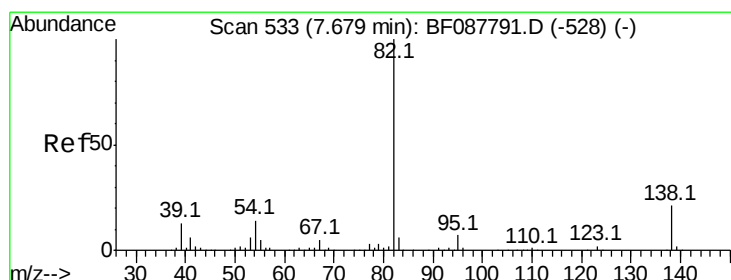
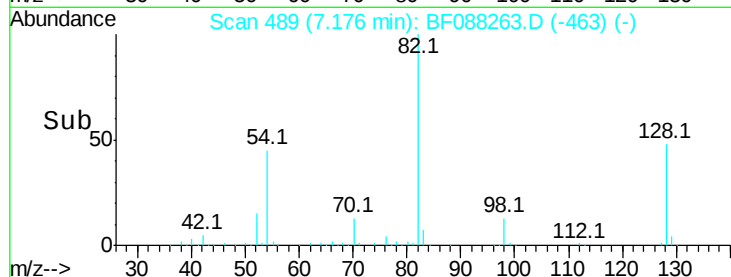
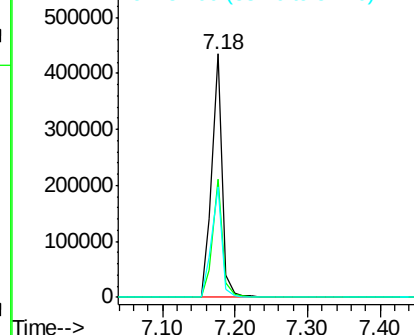
82 100

128 48.3 35.9 53.9

54 45.2 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 42.66 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

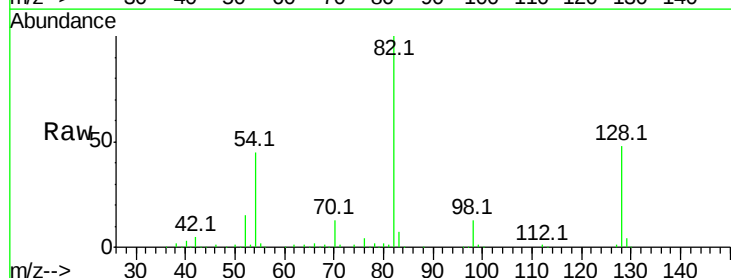
Tgt Ion: 82 Resp: 435938

Ion Ratio Lower Upper

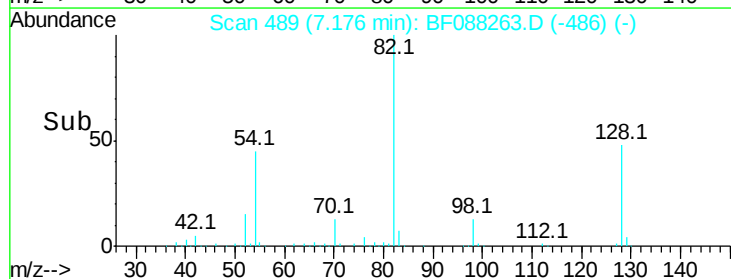
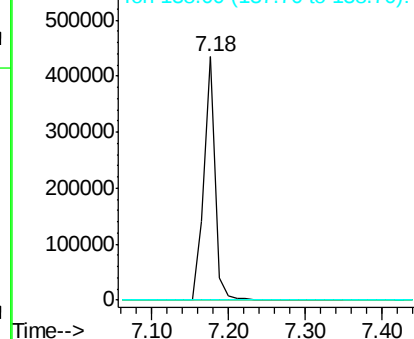
82 100

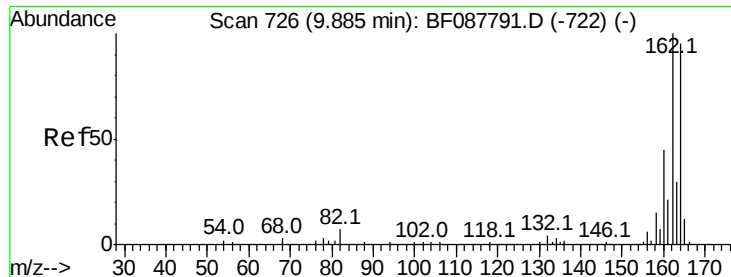
95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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

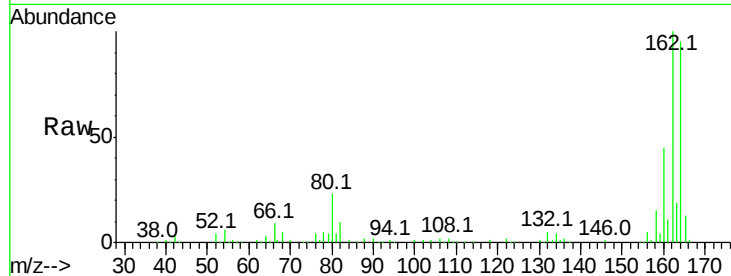




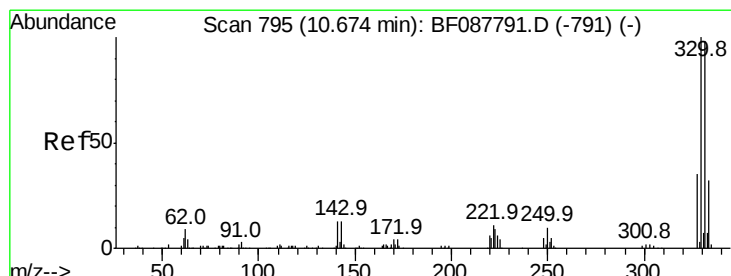
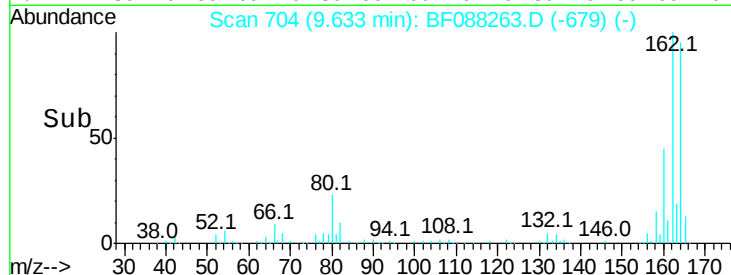
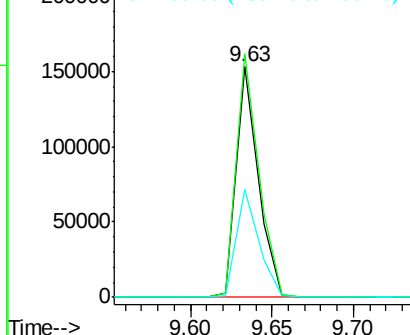
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 142039
 Ion Ratio Lower Upper
 164 100
 162 105.6 85.4 128.2
 160 47.0 39.5 59.3

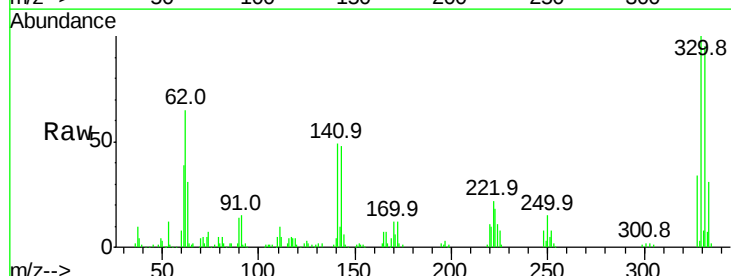


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

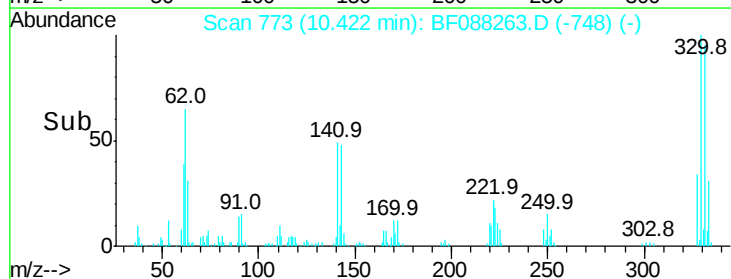
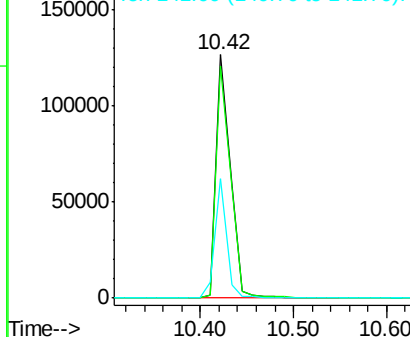


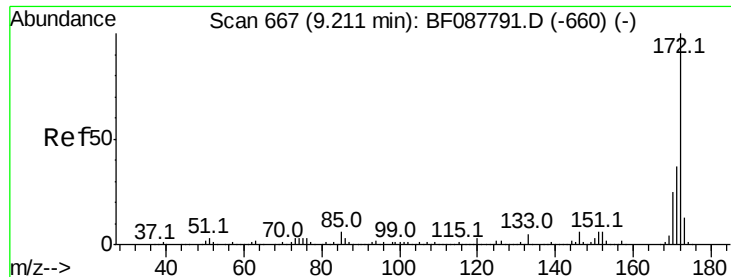
#41
 2,4,6-Tribromophenol
 Concen: 89.57 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Tgt Ion:330 Resp: 134332
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 40.7 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

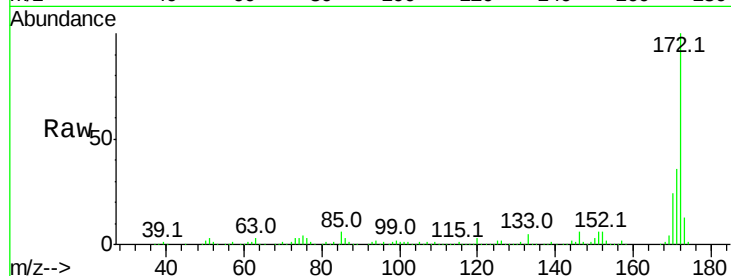




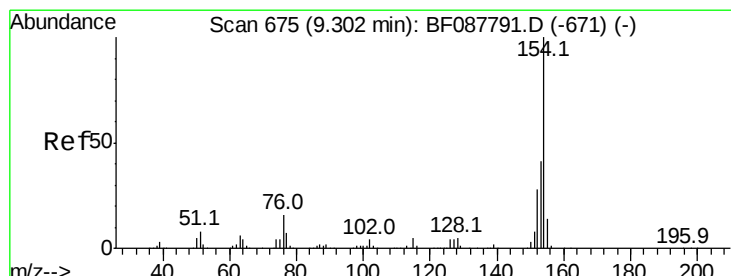
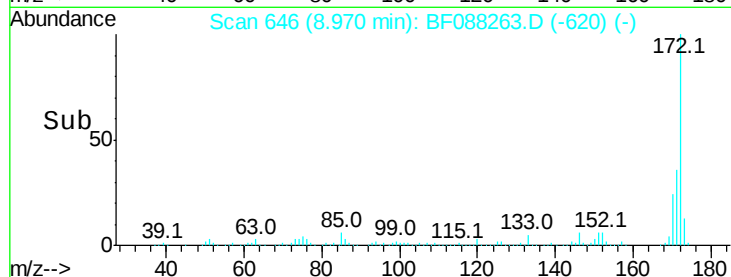
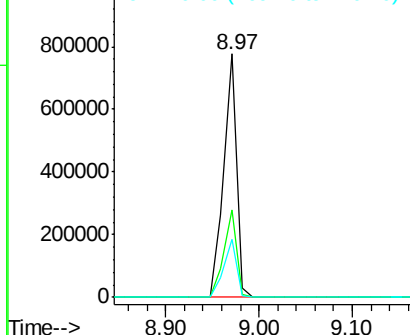
#44
 2-Fluorobiphenyl
 Concen: 81.53 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.0	19.2	28.8

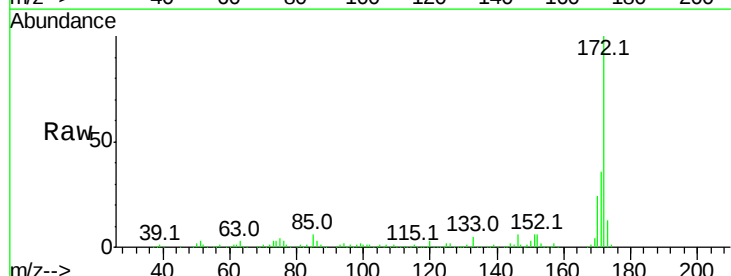


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

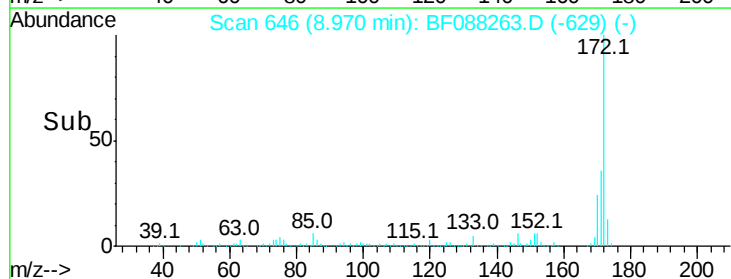
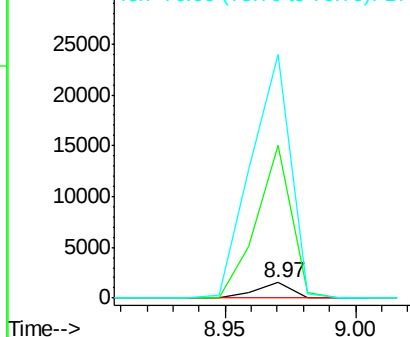


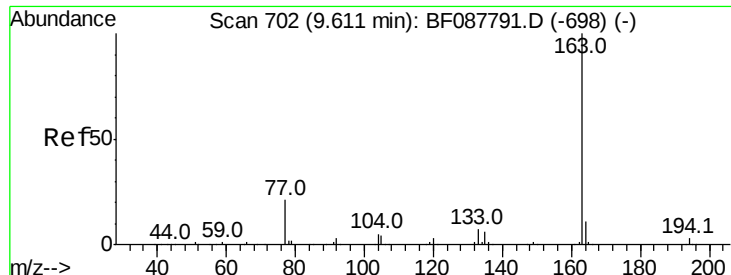
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.97 min Scan# 646
 Delta R.T. -0.10 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	981.5	20.6	60.6#
76	1562.5	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

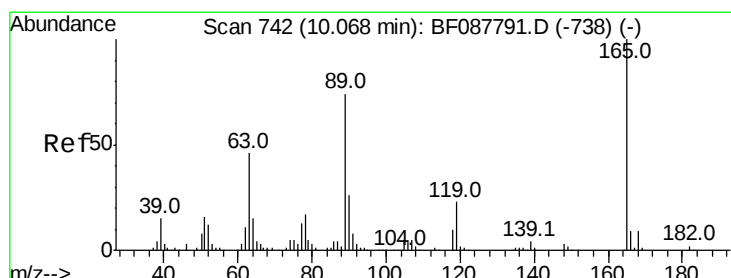
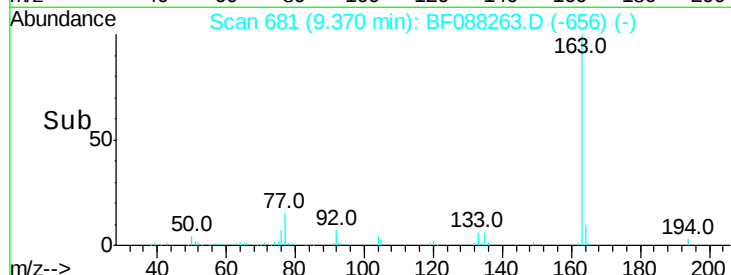
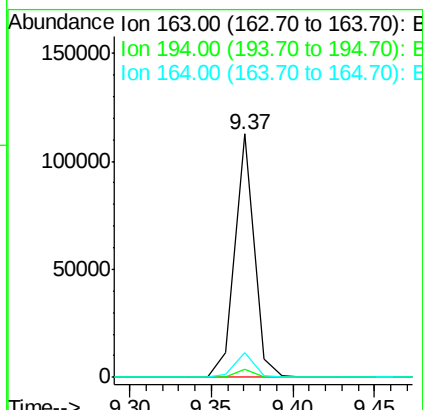
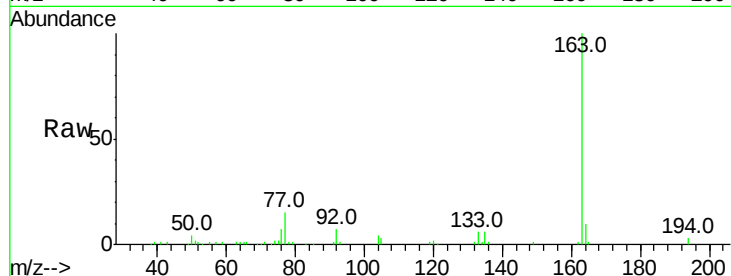




#49
Dimethylphthalate
Concen: 8.95 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

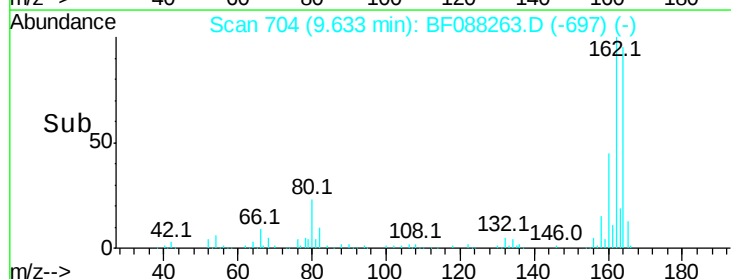
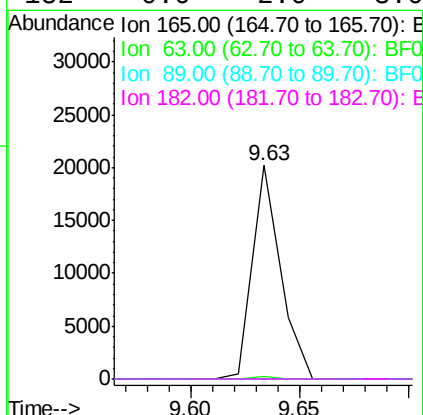
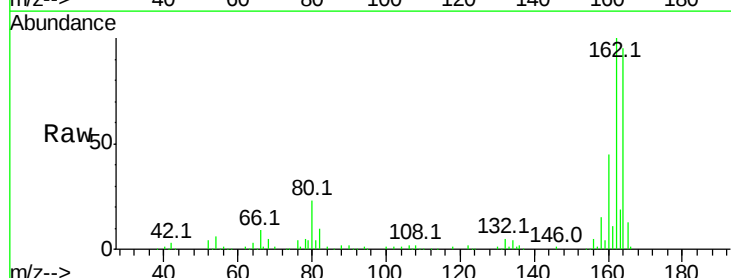
Instrument :
BNA_F
ClientSampleId :

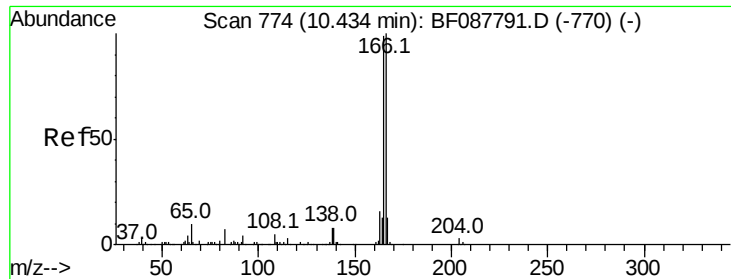
Tot Ion:163 Resp: 92049
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.0 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088263.D
Acq: 22 Jun 2016 21:45

Tgt Ion:165 Resp: 18192
Ion Ratio Lower Upper
165 100
63 1.5 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#

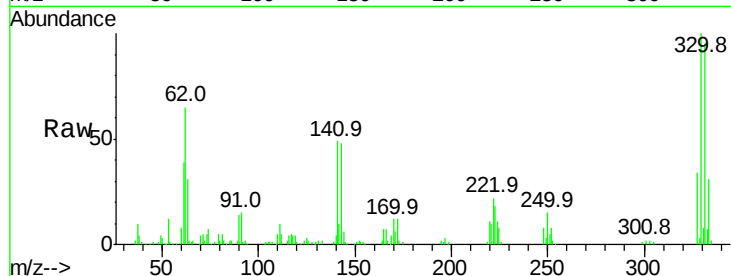




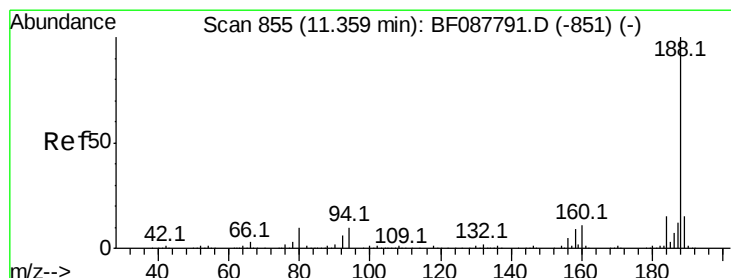
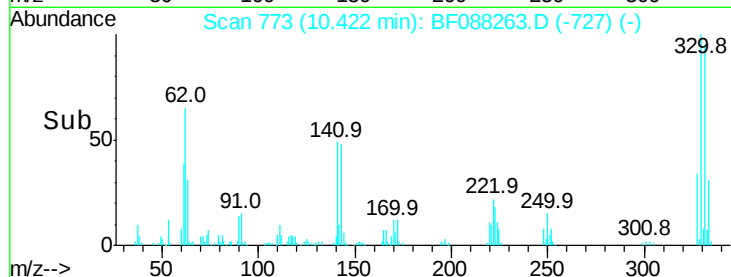
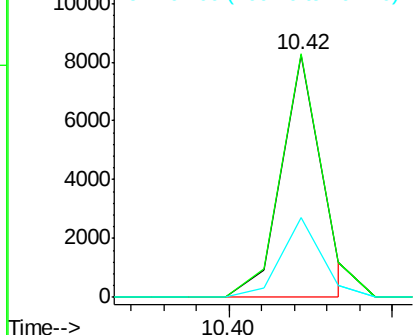
#57
Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 773
 Delta R.T. 0.23 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 7095
 Ion Ratio Lower Upper
 166 100
 165 100.3 77.8 116.8
 167 32.8 11.2 16.8#

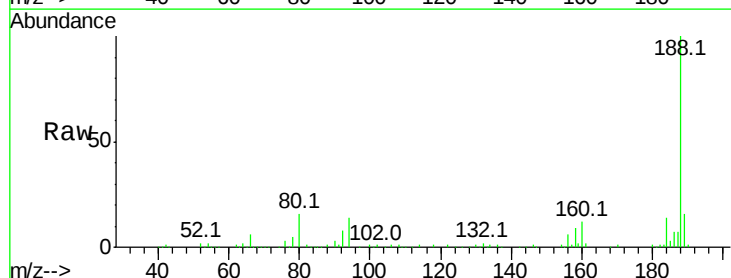


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

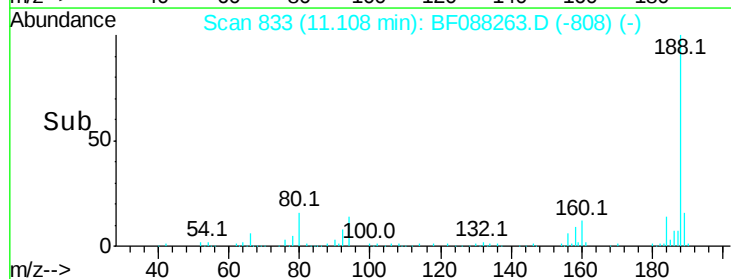
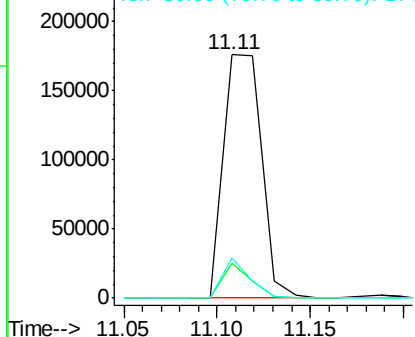


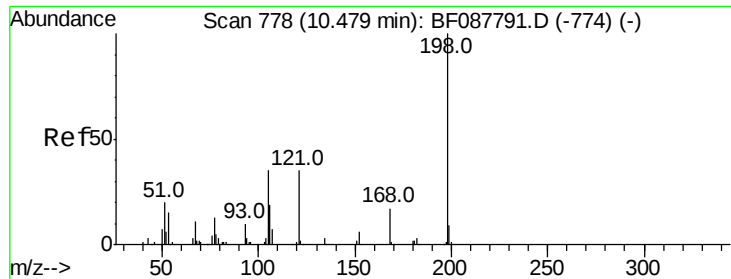
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Tgt Ion:188 Resp: 251232
 Ion Ratio Lower Upper
 188 100
 94 14.5 9.0 13.6#
 80 16.4 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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.16 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

Instrument :

BNA_F

ClientSampled :

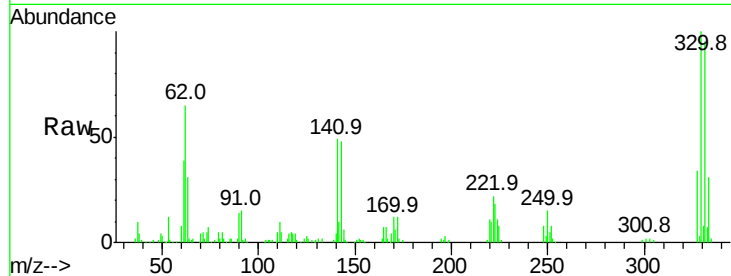
Tot Ion:198 Resp: 221

Ion Ratio Lower Upper

198 100

51 181.1 39.6 79.6#

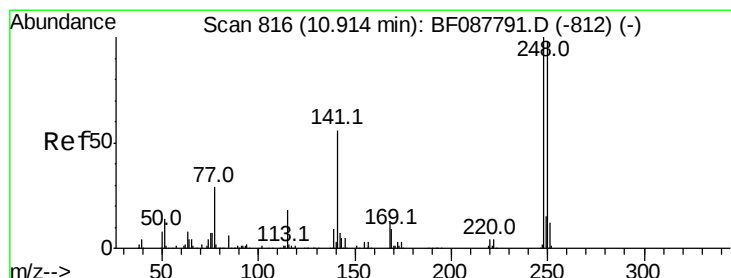
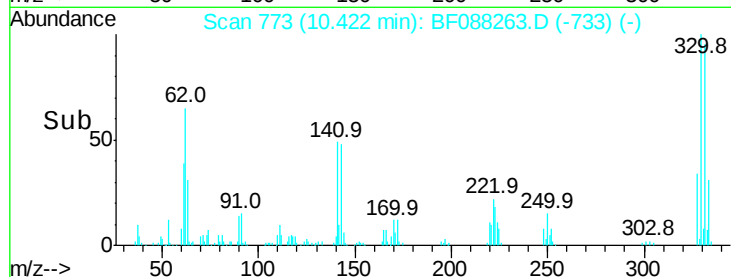
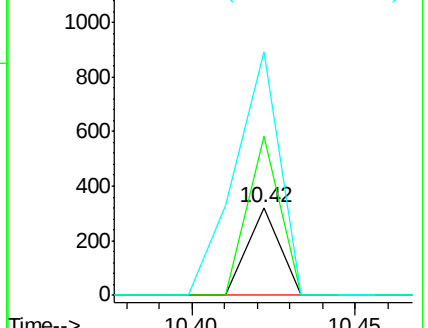
105 277.0 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.23 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

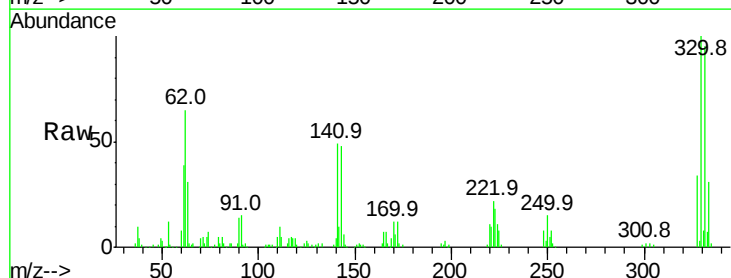
Tgt Ion:248 Resp: 8718

Ion Ratio Lower Upper

248 100

250 196.9 77.1 115.7#

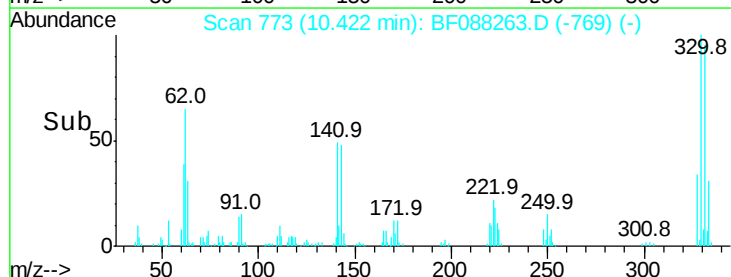
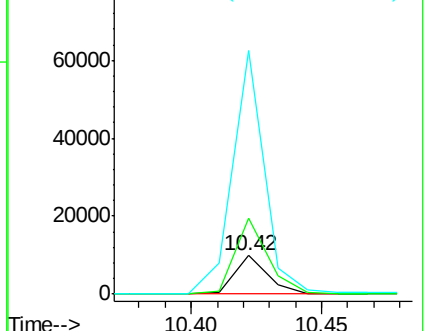
141 627.9 50.6 76.0#

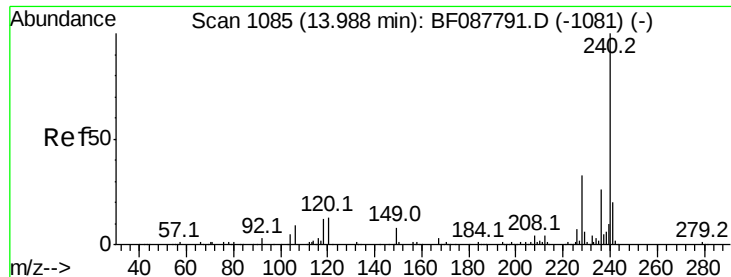


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

Instrument :

BNA_F

ClientSampleId :

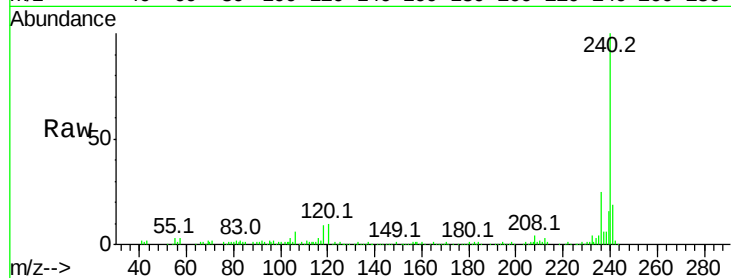
Tot Ion:240 Resp: 165509

Ion Ratio Lower Upper

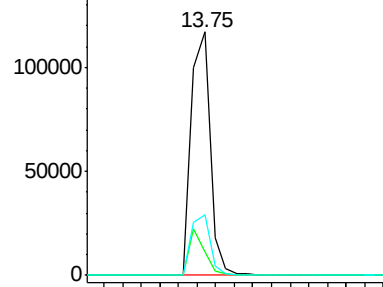
240 100

120 9.6 6.8 10.2

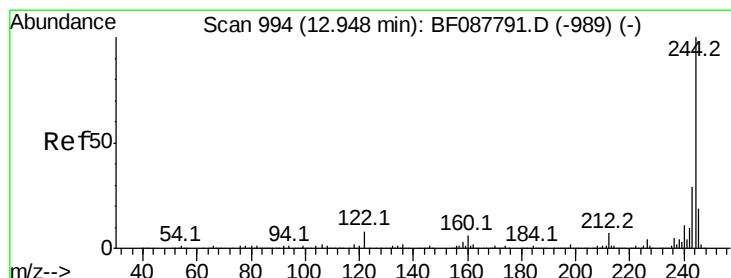
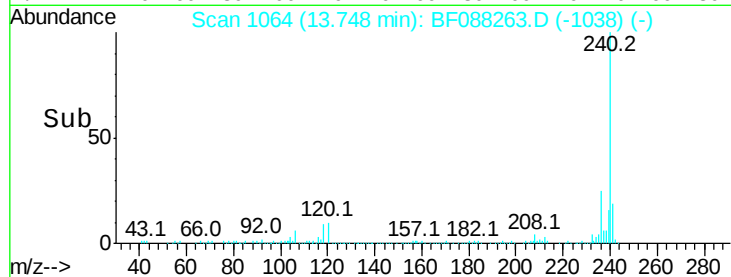
236 24.9 20.2 30.2



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



Time-->



#78

Terphenyl-d14

Concen: 71.99 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088263.D

Acq: 22 Jun 2016 21:45

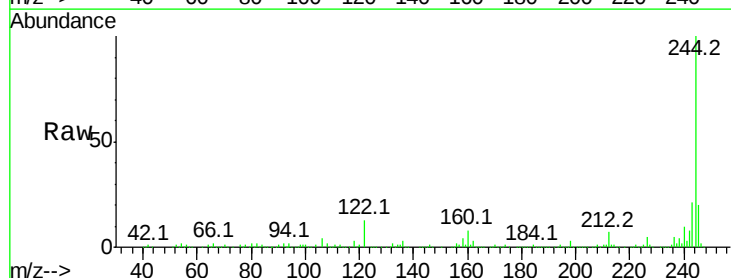
Tgt Ion:244 Resp: 523593

Ion Ratio Lower Upper

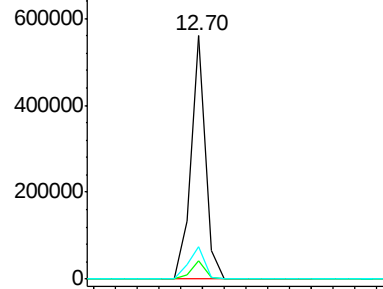
244 100

212 7.5 6.0 9.0

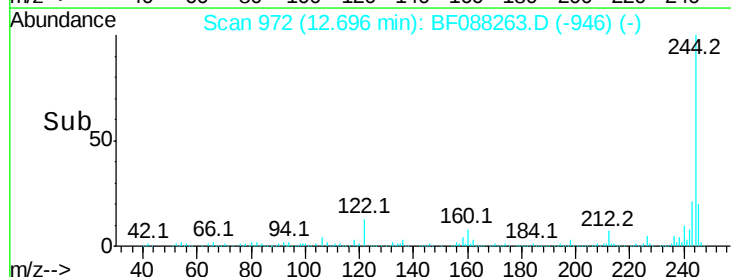
122 13.2 11.2 16.8

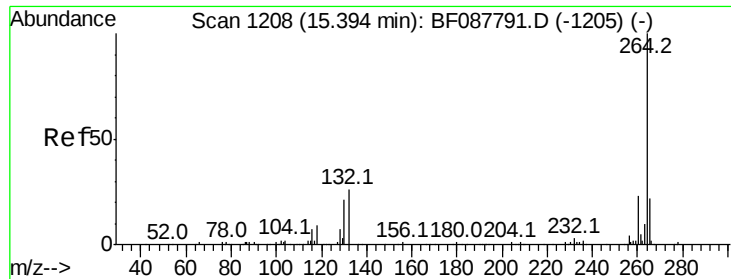


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

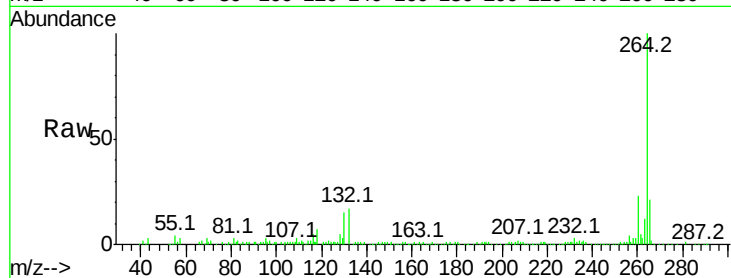




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088263.D
 Acq: 22 Jun 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	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

