

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062116\
 Data File : BF088217.D
 Acq On : 21 Jun 2016 17:19
 Operator : UM/SJ
 Sample : H3580-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 17:59:41 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

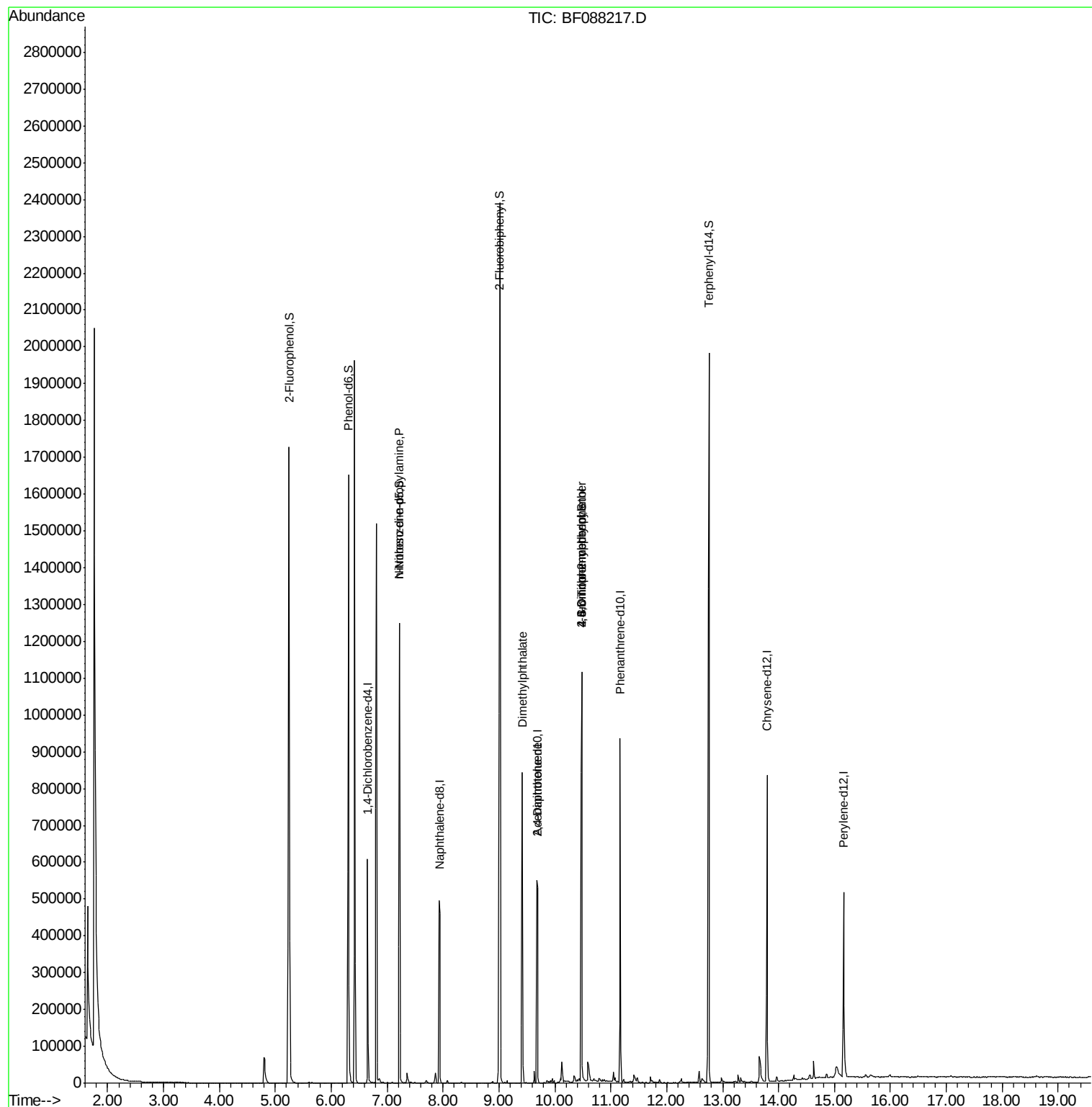
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	92513	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	354285	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	168292	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	327817	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	277330	20.00	ng	-0.01
86) Perylene-d12	15.17	264	218500	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	549801	101.60	ng	-0.01
7) Phenol-d6	6.31	99	675049	102.93	ng	-0.02
23) Nitrobenzene-d5	7.22	82	433998	71.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	188275	105.95	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	823450	76.30	ng	-0.02
78) Terphenyl-d14	12.75	244	784618	64.38	ng	-0.01
Target Compounds						
10) Phenol	6.32	94	7929	Below Cal	#	50
19) n-Nitroso-di-n-propylamine	7.22	70	56139	13.38	ng	# 71
45) 1,1'-Biphenyl	9.02	154	1744	Below Cal	#	1
49) Dimethylphthalate	9.42	163	342683	28.11	ng	100
56) 2,4-Dinitrotoluene	9.68	165	20978	5.85	ng	# 36
57) Fluorene	10.24	166	221	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.48	198	244	2.28	ng	# 5
66) 4-Bromophenyl-phenylether	10.48	248	12239	3.48	ng	# 1

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

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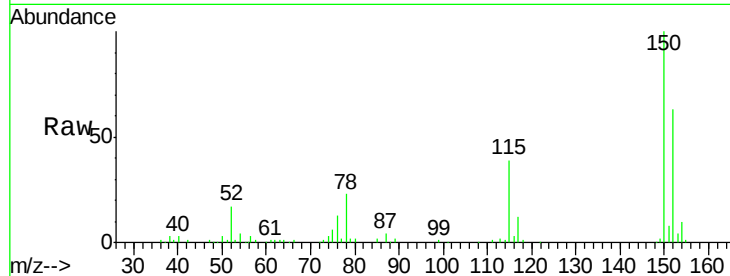




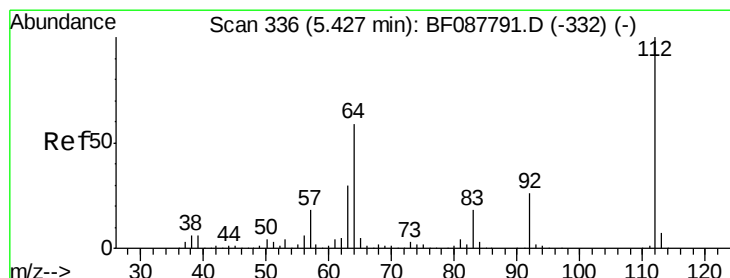
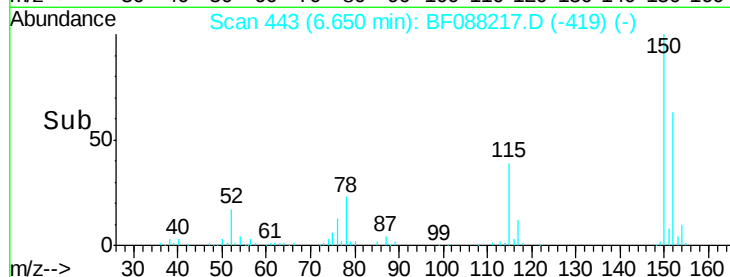
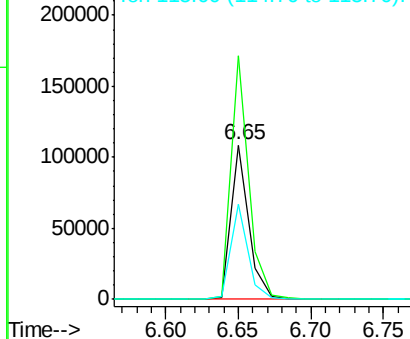
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.02 min
 Lab File: BF088217.D
 Acq: 21 Jun 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 92513
 Ion Ratio Lower Upper
 152 100
 150 157.6 123.8 185.6
 115 61.2 39.6 59.4#

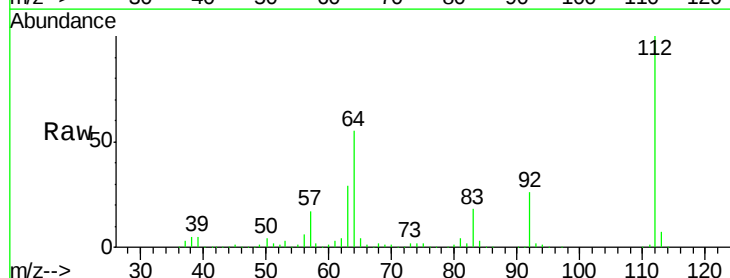


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

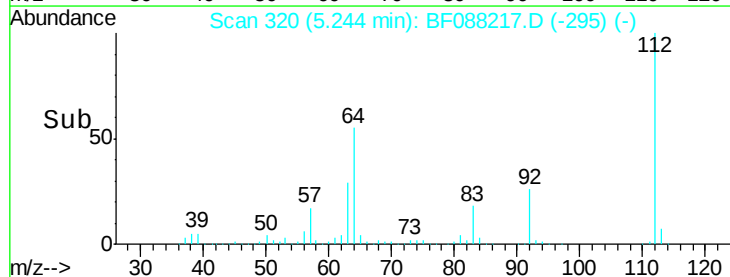
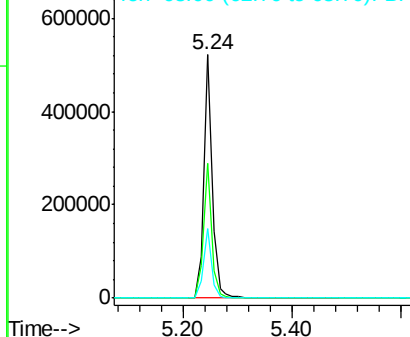


#5
 2-Fluorophenol
 Concen: 101.60 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: BF088217.D
 Acq: 21 Jun 2016 17:19

Tgt Ion:112 Resp: 549801
 Ion Ratio Lower Upper
 112 100
 64 55.5 42.2 63.2
 63 28.6 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: 102.93 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

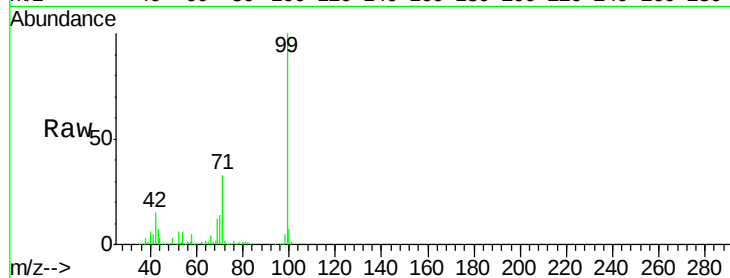
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 675049

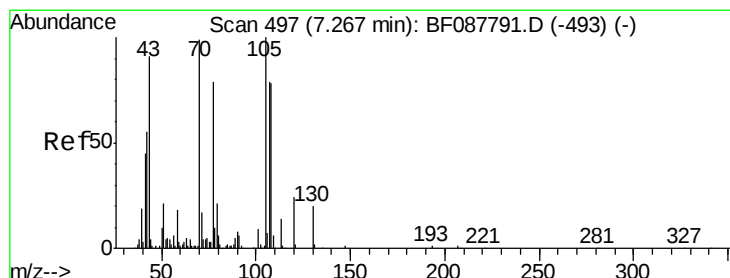
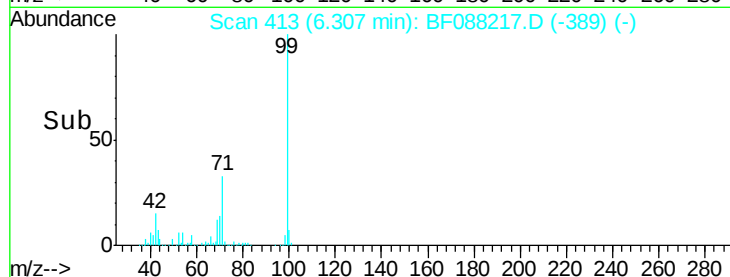
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	33.5	23.4	35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.38 ng

RT: 7.22 min Scan# 493

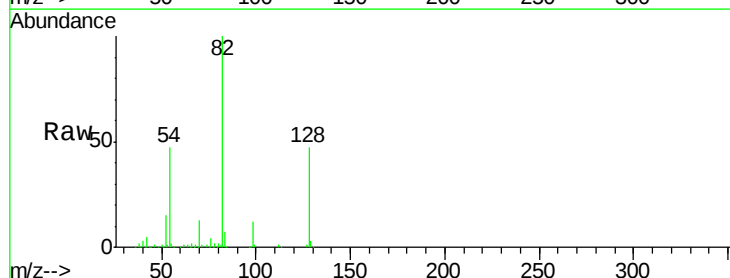
Delta R.T. 0.13 min

Lab File: BF088217.D

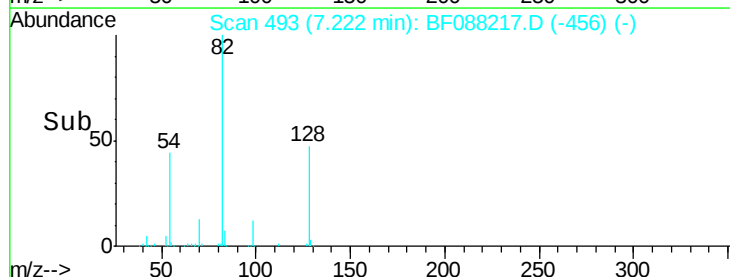
Acq: 21 Jun 2016 17:19

Tgt Ion: 70 Resp: 56139

Ion	Ratio	Lower	Upper
70	100		
42	40.9	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#



Abundance Ion 70.00 (69.70 to 70.70): BF0

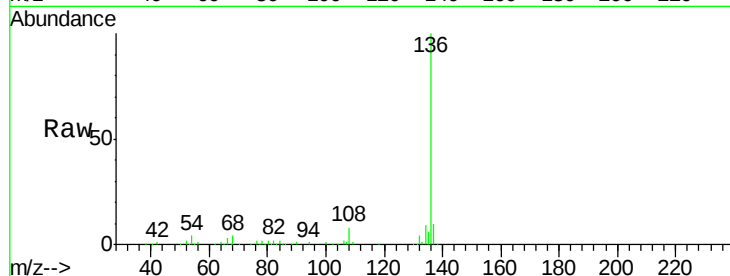




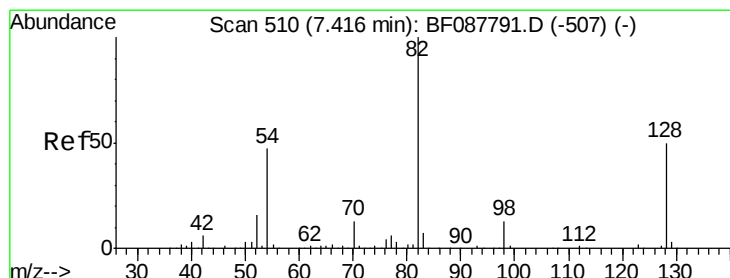
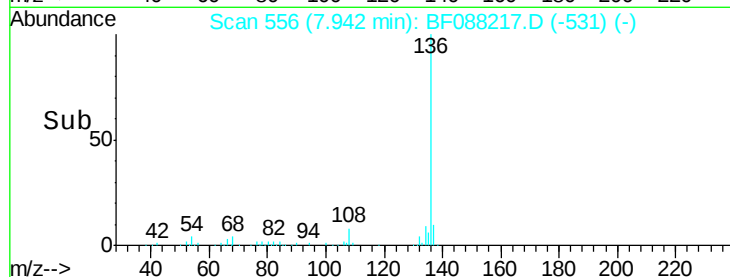
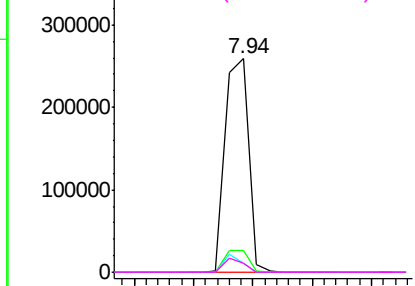
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	354285
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	4.5	6.6 10.0#
68	4.3	5.1 7.7#

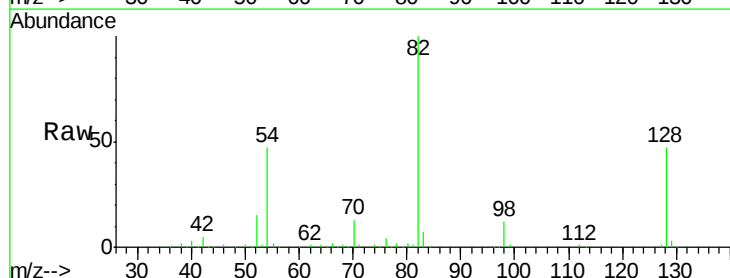


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

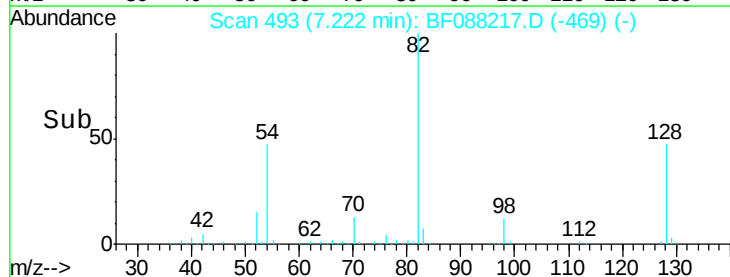
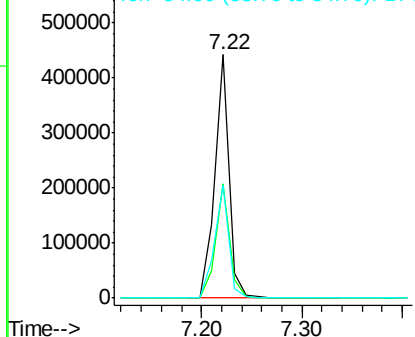


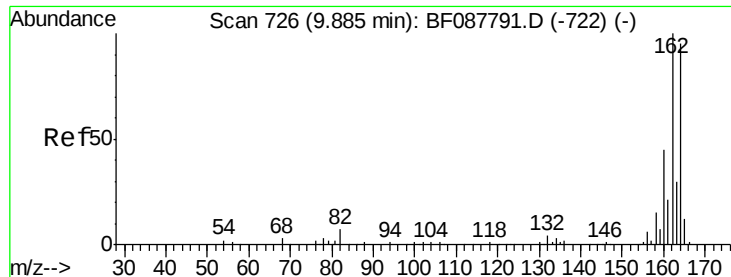
#23
Nitrobenzene-d5
Concen: 71.53 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.02 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

Tgt Ion: 82	Resp:	433998
Ion Ratio	Lower	Upper
82	100	
128	47.2	35.9 53.9
54	46.6	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA_F

ClientSampleId :

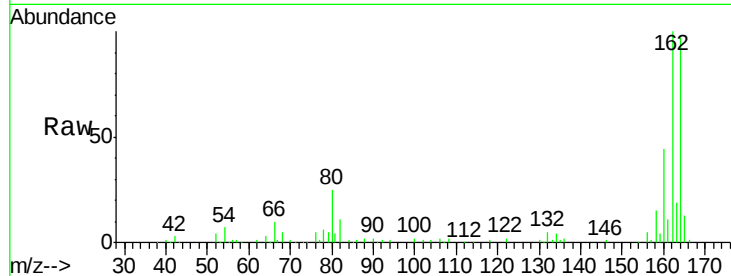
Tot Ion:164 Resp: 168292

Ion Ratio Lower Upper

164 100

162 103.3 85.4 128.2

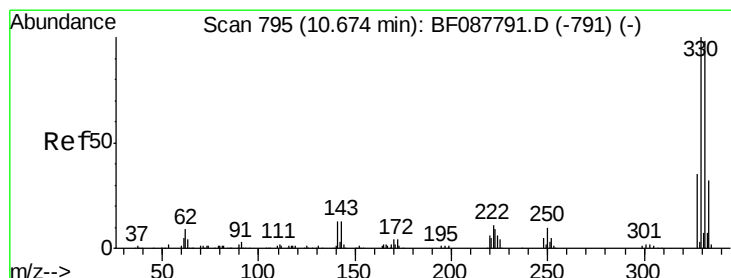
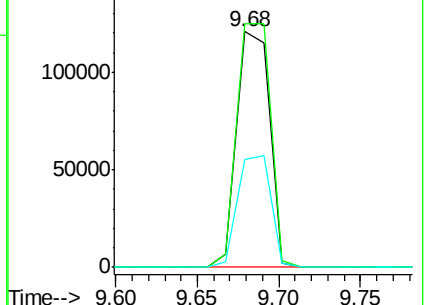
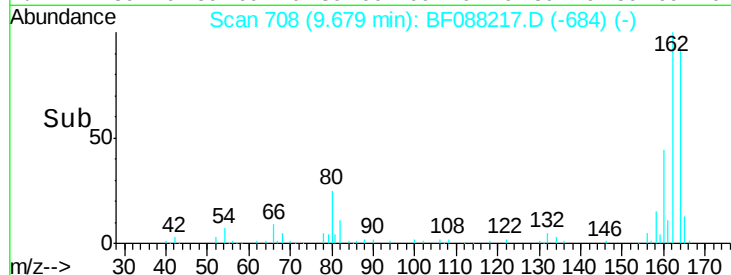
160 45.8 39.5 59.3



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: 105.95 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

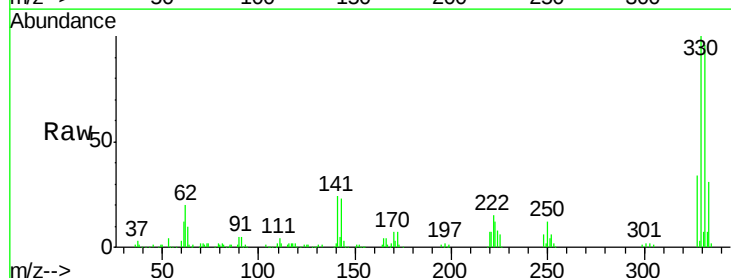
Tgt Ion:330 Resp: 188275

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

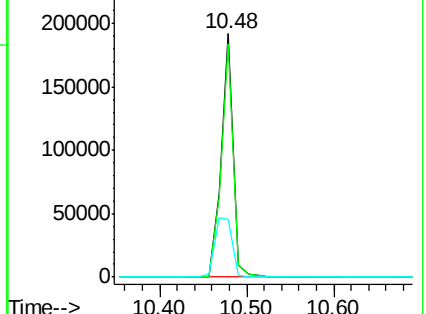
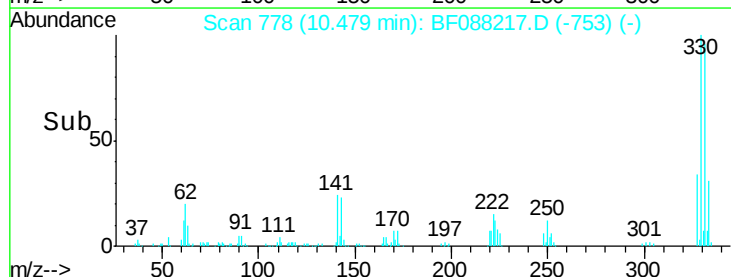
141 36.1 0.0 0.0#

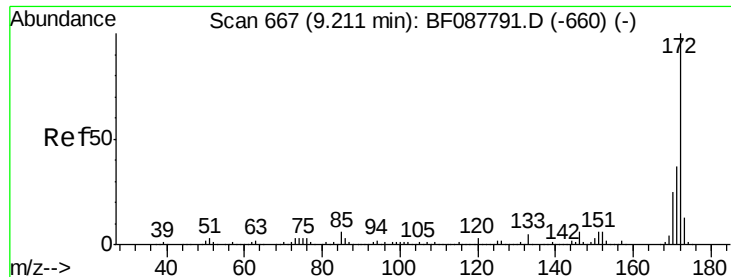


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.30 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA_F

ClientSampleId :

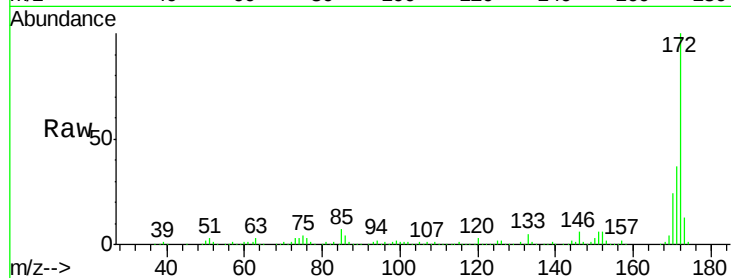
Tot Ion:172 Resp: 823450

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

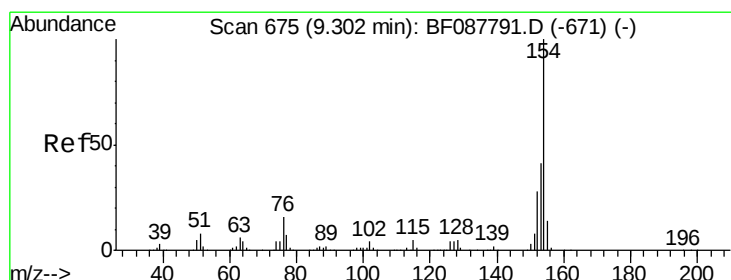
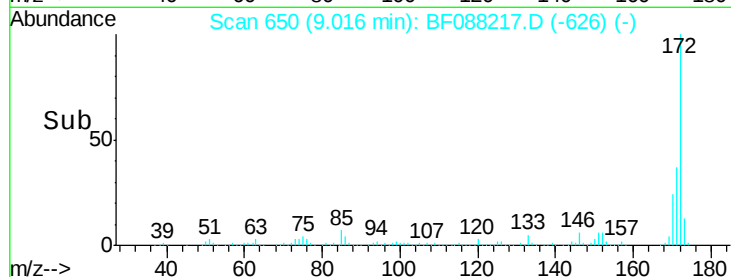
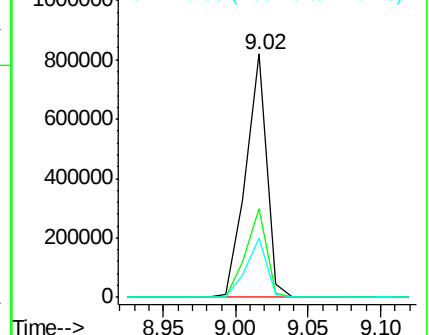
170 24.1 19.2 28.8



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: BF088217.D

Acq: 21 Jun 2016 17:19

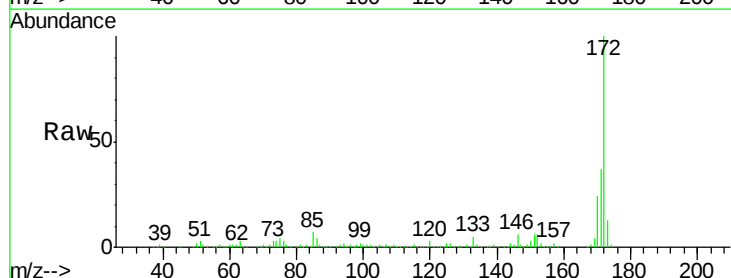
Tgt Ion:154 Resp: 1744

Ion Ratio Lower Upper

154 100

153 871.5 20.6 60.6#

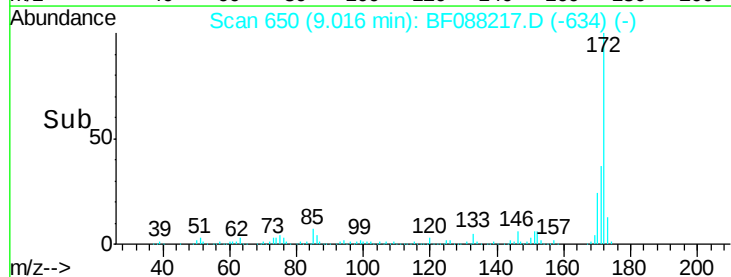
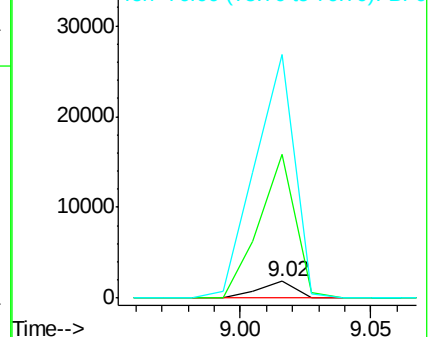
76 1474.7 0.0 35.1#

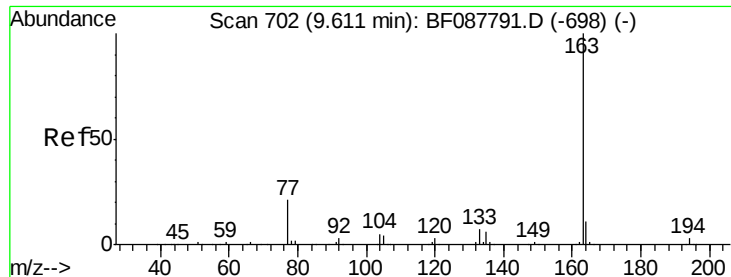


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

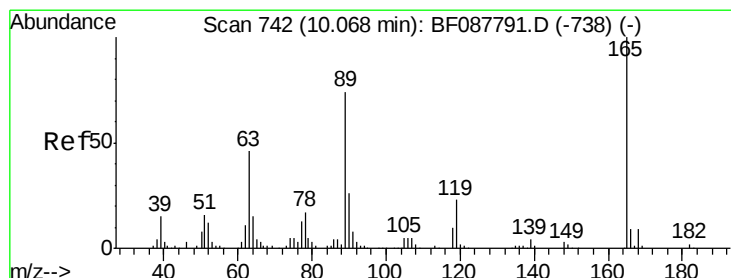
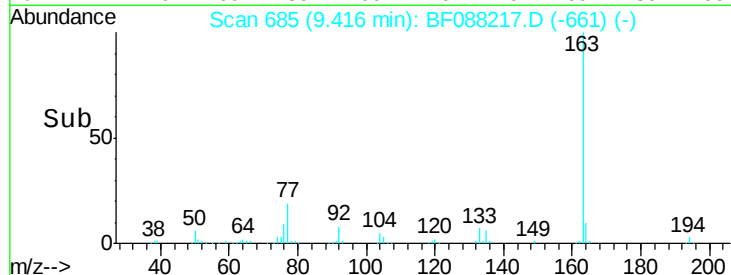
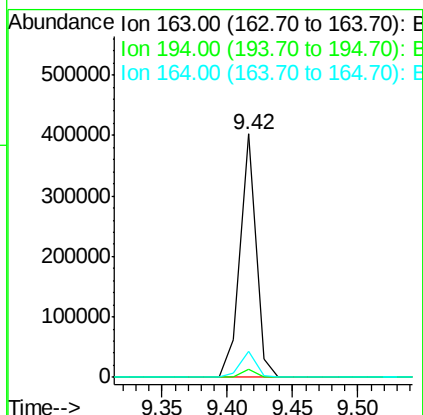
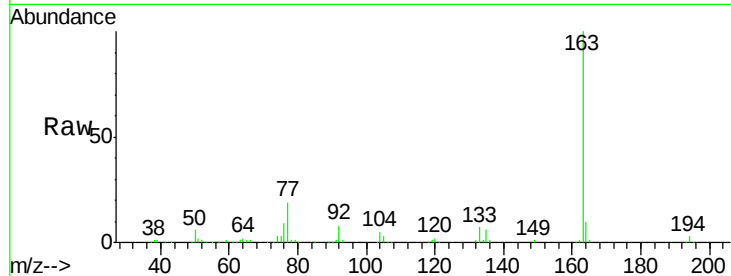




#49
Dimethylphthalate
Concen: 28.11 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

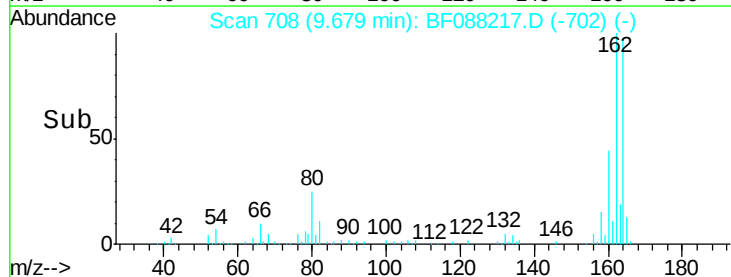
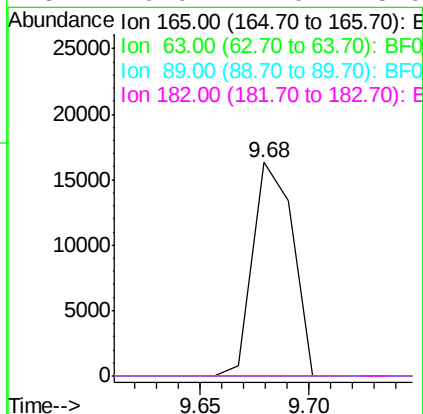
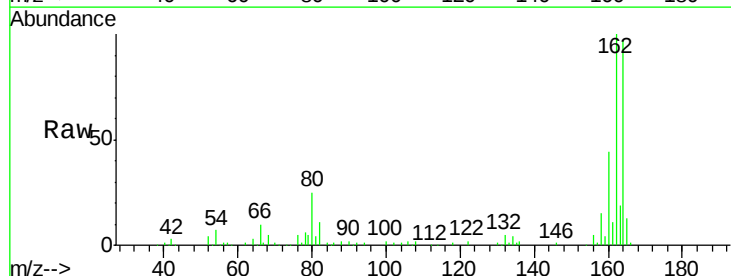
Instrument :
BNA_F
ClientSampleId :

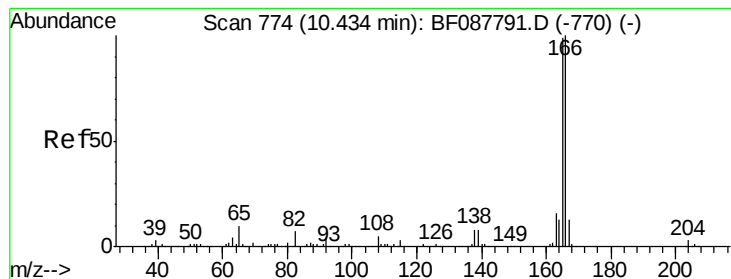
Tot Ion:163 Resp: 342683
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.5 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.85 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.23 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

Tgt Ion:165 Resp: 20978
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#





#57

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA_F

ClientSampleId :

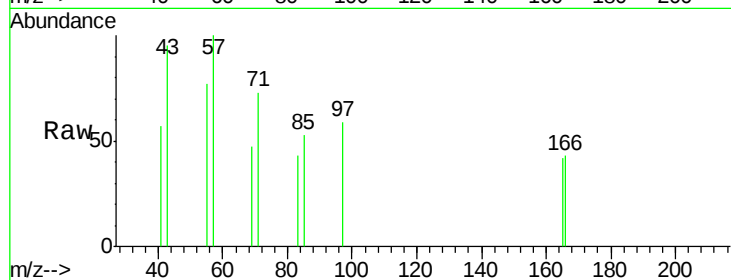
Tot Ion:166 Resp: 221

Ion Ratio Lower Upper

166 100

165 96.9 77.8 116.8

167 0.0 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

10.24

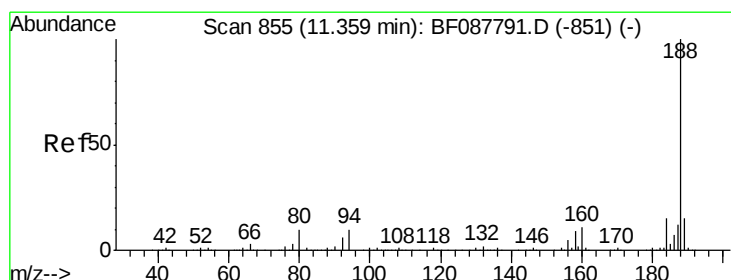
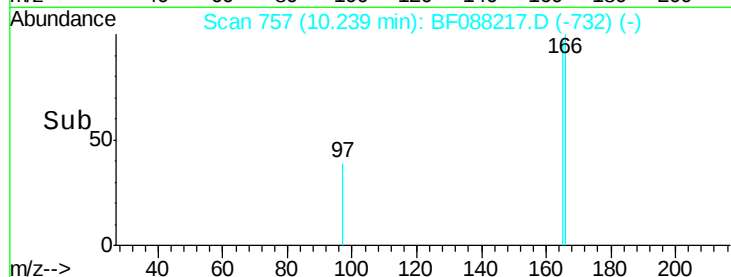
300

200

100

0

Time--> 10.20 10.25



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

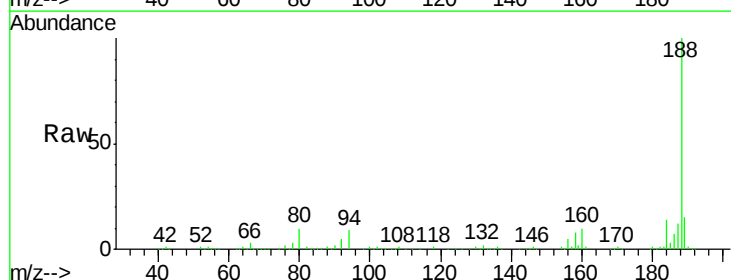
Tgt Ion:188 Resp: 327817

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.6

80 9.6 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

11.16

400000

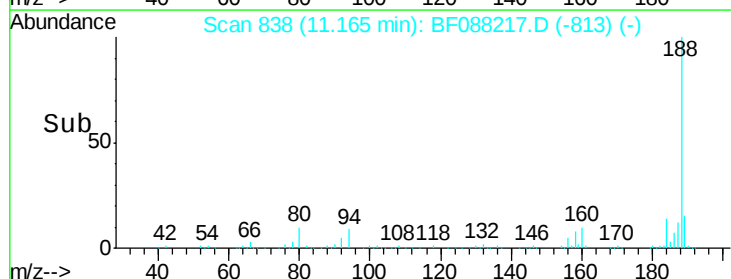
300000

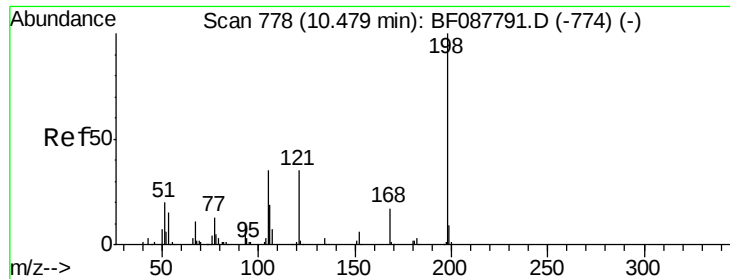
200000

100000

0

Time--> 11.10 11.15 11.20

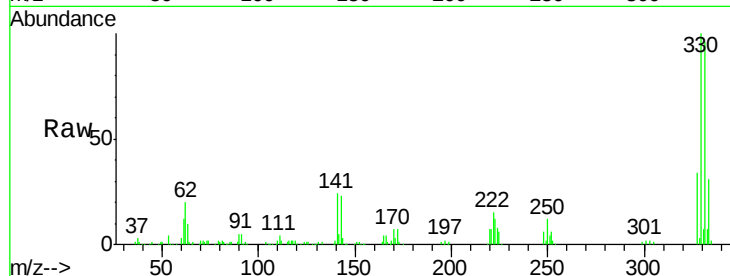




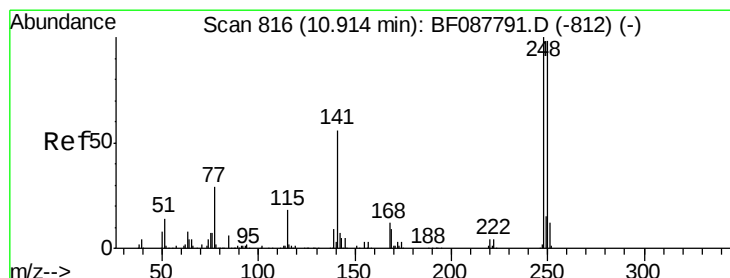
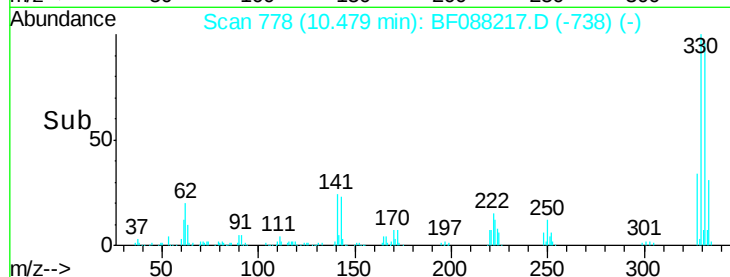
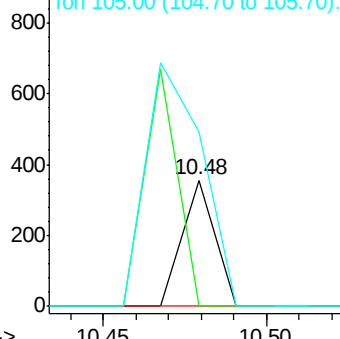
#64
4,6-Dinitro-2-methylphenol
Concen: 2.28 ng
RT: 10.48 min Scan# 778
Delta R.T. 0.16 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 244
Ion Ratio Lower Upper
198 100
51 0.0 39.6 79.6#
105 138.8 36.6 76.6#

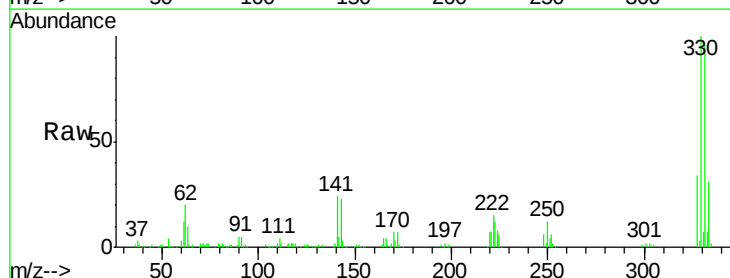


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

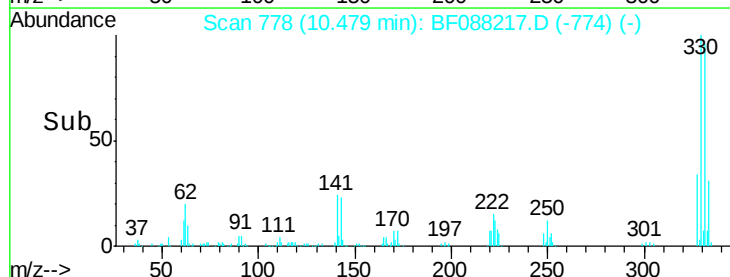
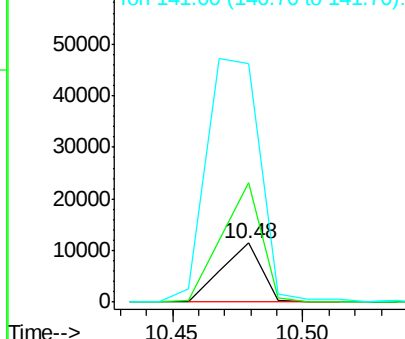


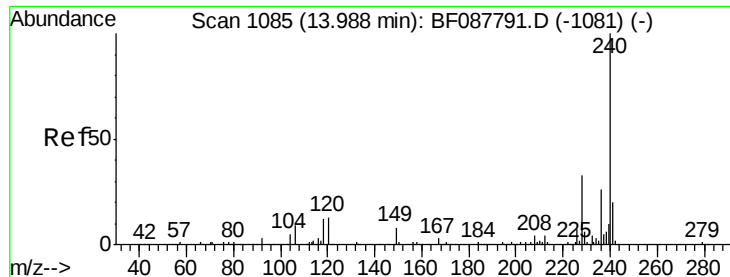
#66
4-Bromophenyl-phenylether
Concen: 3.48 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.25 min
Lab File: BF088217.D
Acq: 21 Jun 2016 17:19

Tgt Ion:248 Resp: 12239
Ion Ratio Lower Upper
248 100
250 202.3 77.1 115.7#
141 404.5 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

Chrvsene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA_F

ClientSampleId :

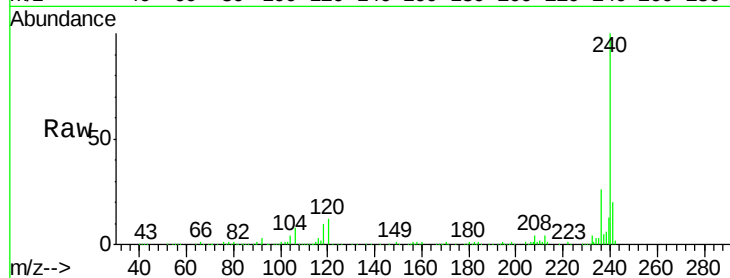
Tot Ion:240 Resp: 277330

Ion Ratio Lower Upper

240 100

120 11.8 6.8 10.2#

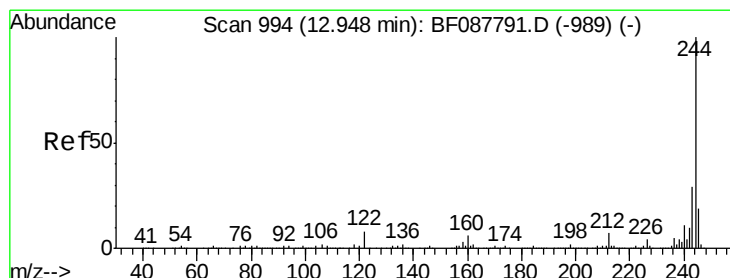
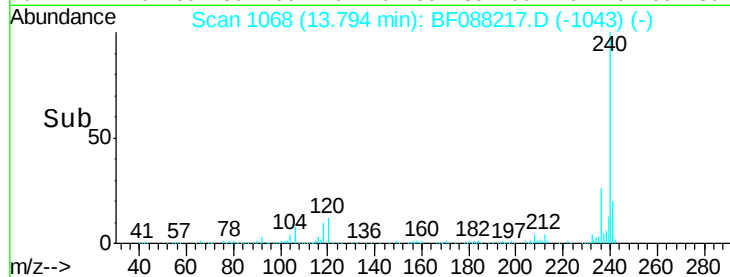
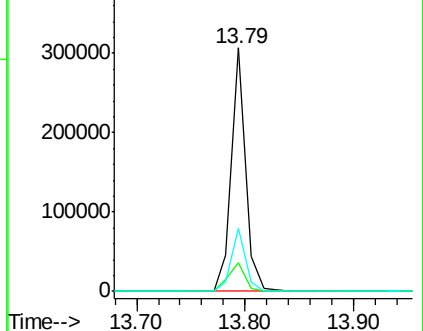
236 25.7 20.2 30.2



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: 64.38 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

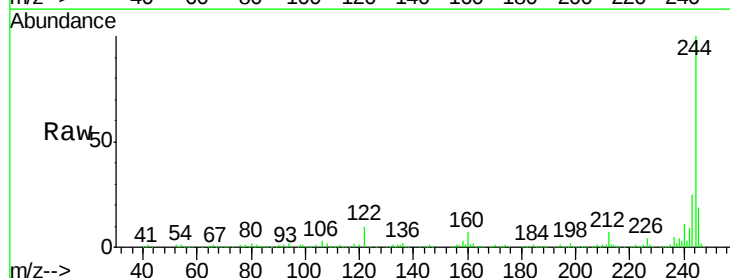
Tgt Ion:244 Resp: 784618

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

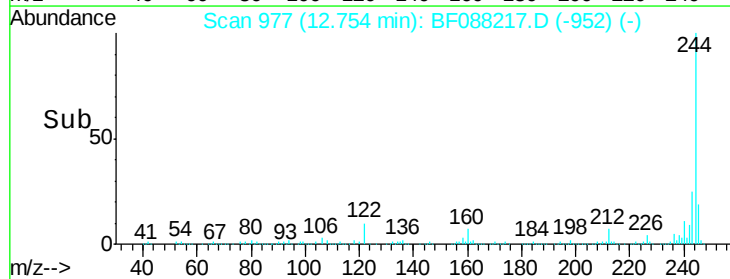
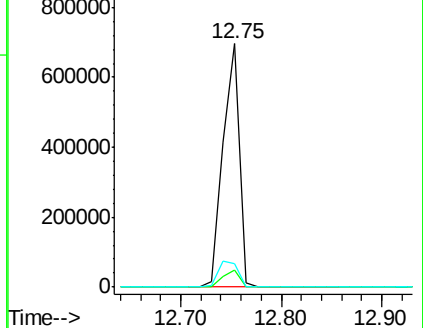
122 9.9 11.2 16.8#

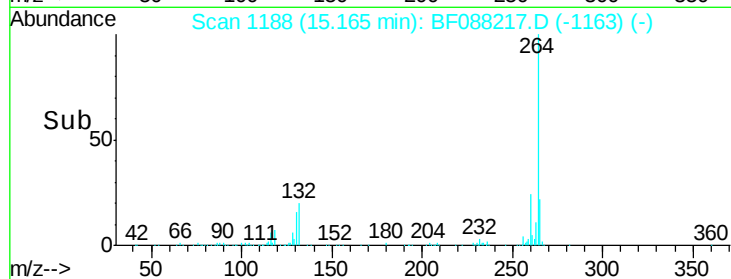
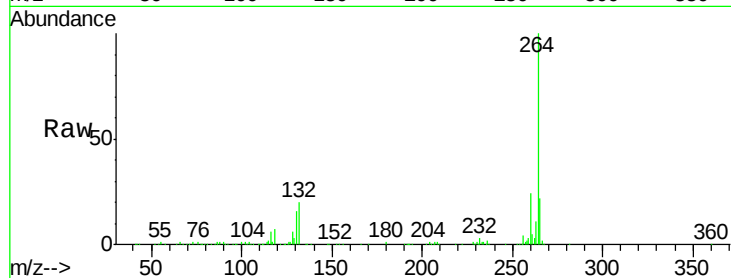
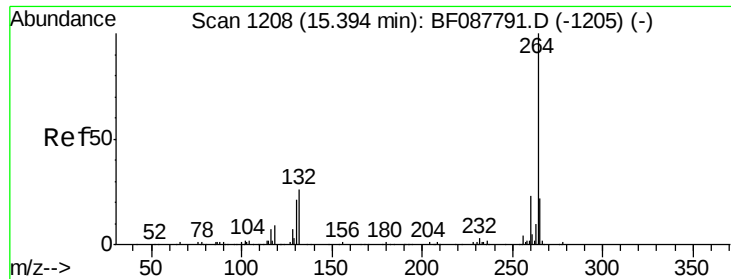


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF088217.D
 Acq: 21 Jun 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	16.9	25.3

