

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088031.D
 Acq On : 15 Jun 2016 7:14
 Operator : UM/SJ
 Sample : H3473-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1065-(0-4)

Quant Time: Jun 15 12:53:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	96901	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	392505	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	160343	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	271609	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	229191	20.00	ng	-0.02
86) Perylene-d12	15.35	264	169481	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	724988	127.90	ng	0.01
7) Phenol-d6	6.42	99	758369	110.40	ng	-0.01
23) Nitrobenzene-d5	7.35	82	495394	73.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	183817	108.57	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1016434	100.60	ng	-0.01
78) Terphenyl-d14	12.89	244	687525	68.26	ng	-0.01

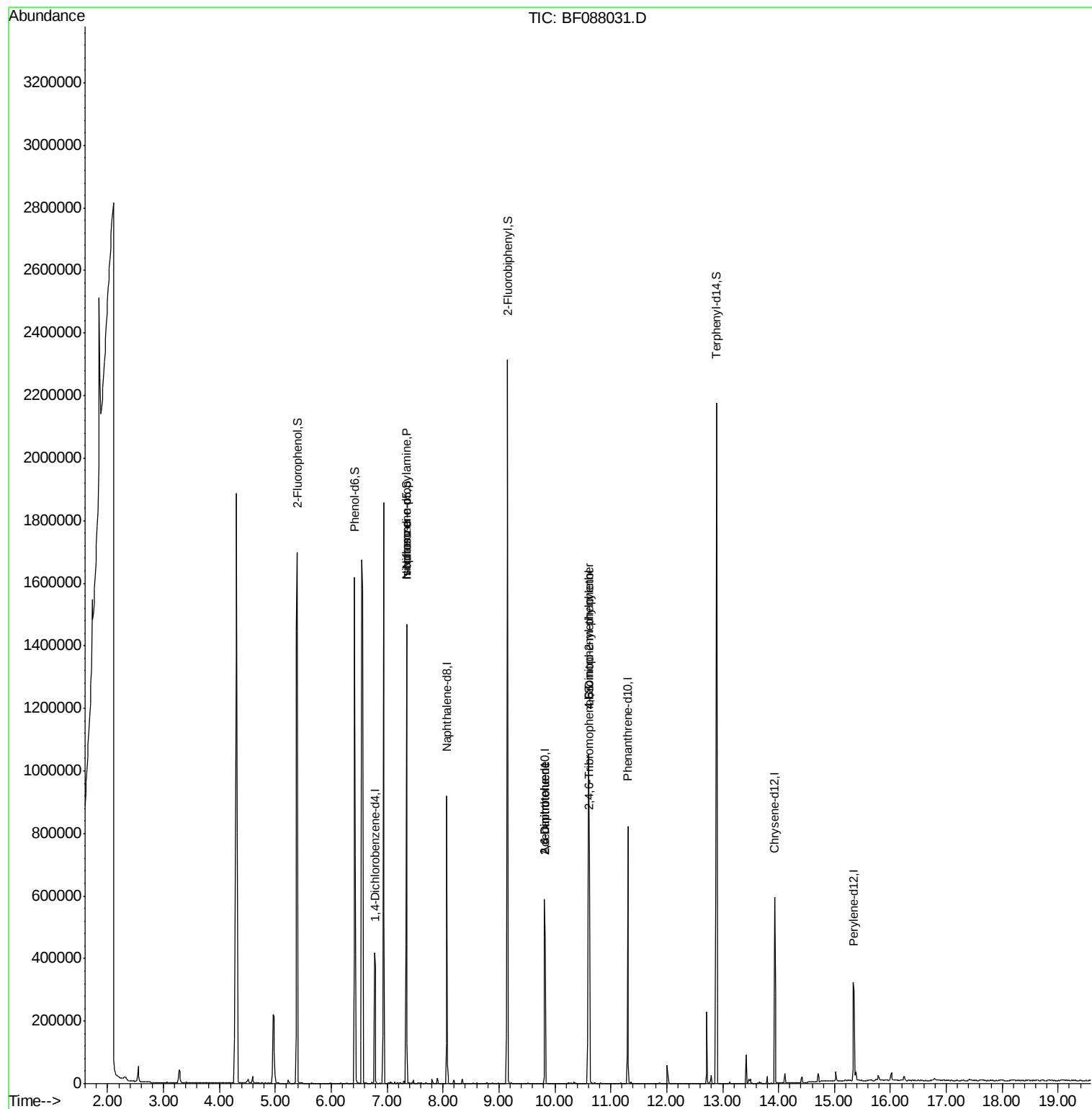
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	1363	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.35	70	64461	14.67	ng	72
25) Isophorone	7.35	82	386259	31.02	ng	65
45) 1,1'-Biphenyl	9.24	154	364	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.82	165	20622	7.75	ng	37
56) 2,4-Dinitrotoluene	9.82	165	20623	6.03	ng	36
57) Fluorene	10.36	166	713	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.60	198	237	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.60	248	11094	3.81	ng	1

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

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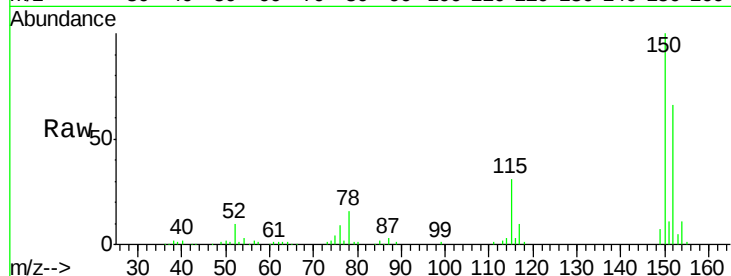




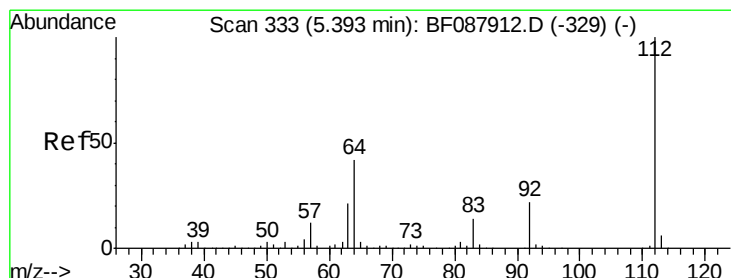
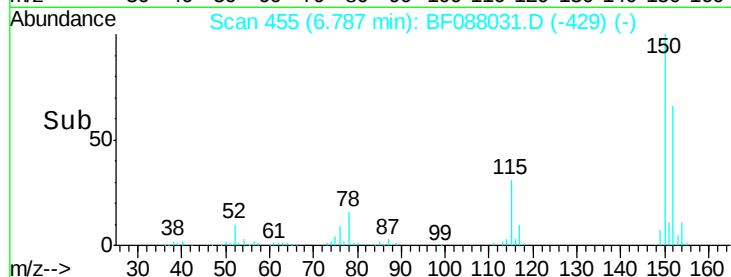
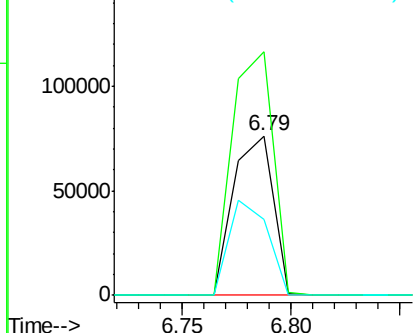
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Instrument :
 BNA_F
 ClientSampleId :
 STA-1065-(0-4)

Tgt Ion:152 Resp: 96901
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.8 185.6
 115 47.4 39.6 59.4

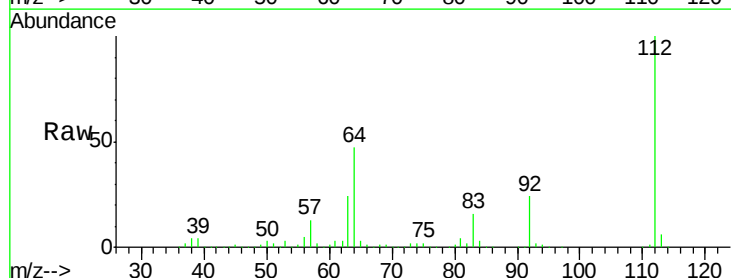


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

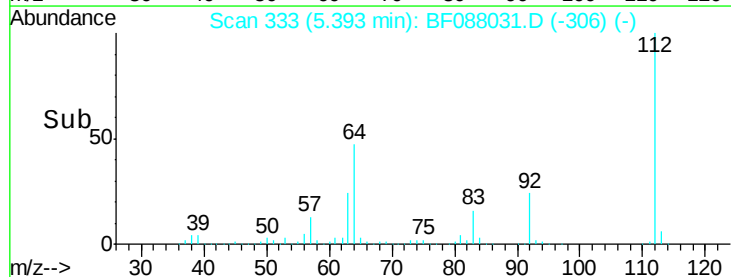
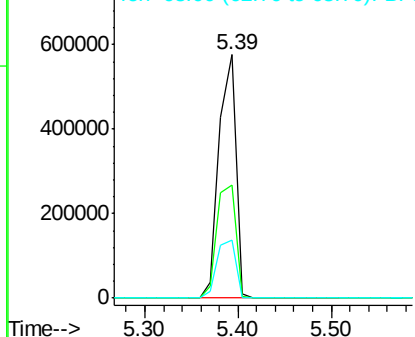


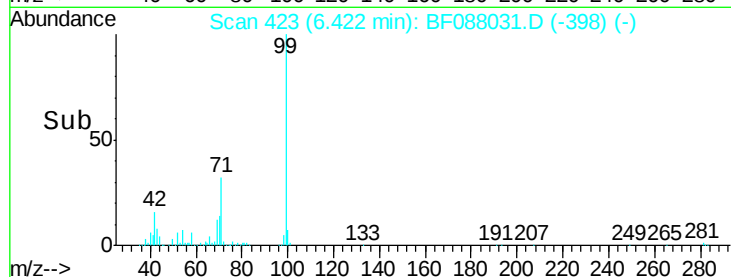
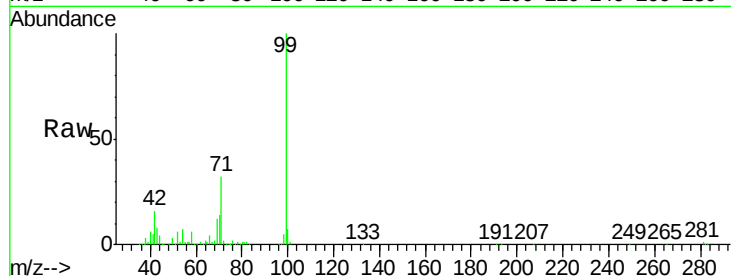
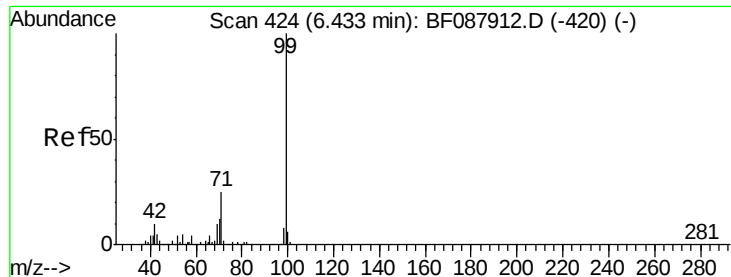
#5
 2-Fluorophenol
 Concen: 127.90 ng
 RT: 5.39 min Scan# 333
 Delta R.T. 0.01 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Tgt Ion:112 Resp: 724988
 Ion Ratio Lower Upper
 112 100
 64 46.6 42.2 63.2
 63 23.8 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: 110.40 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

Instrument :

BNA_F

ClientSampleId :

STA-1065-(0-4)

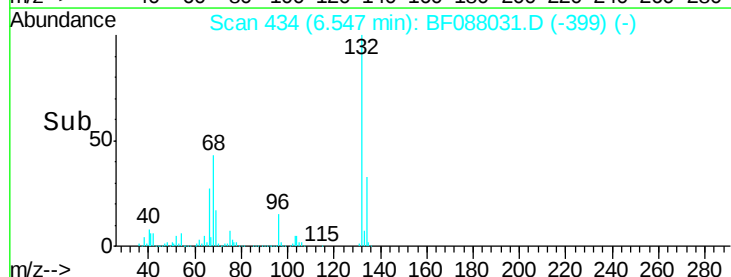
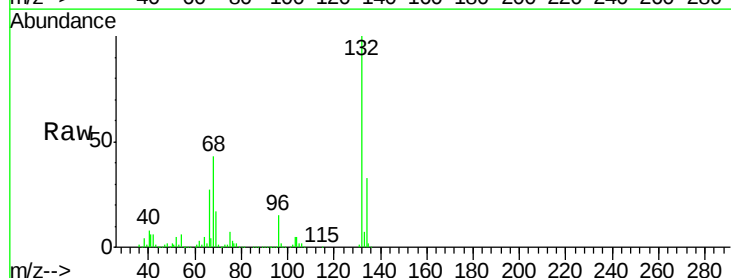
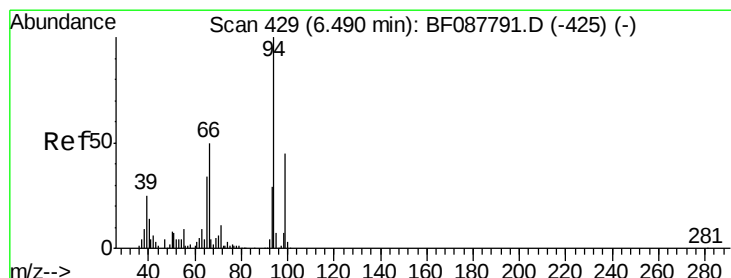
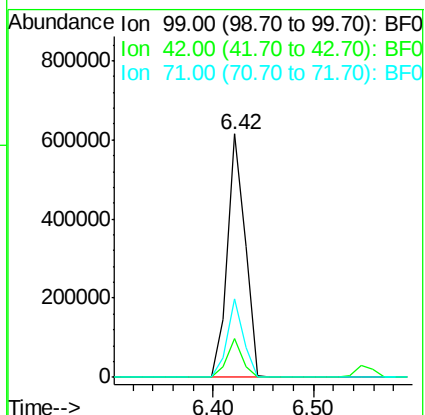
Tgt Ion: 99 Resp: 758369

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

71 32.5 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.55 min Scan# 434

Delta R.T. 0.10 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

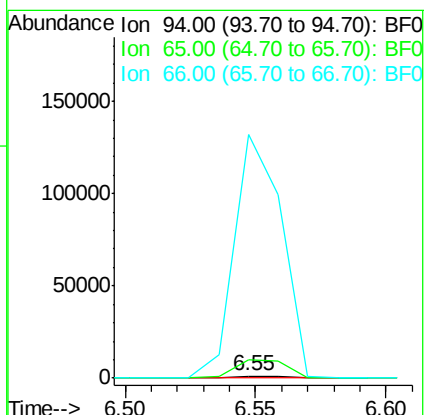
Tgt Ion: 94 Resp: 1363

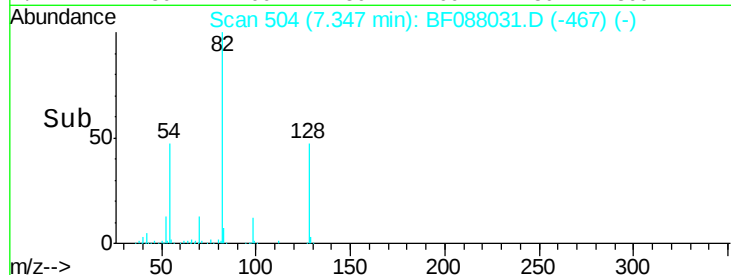
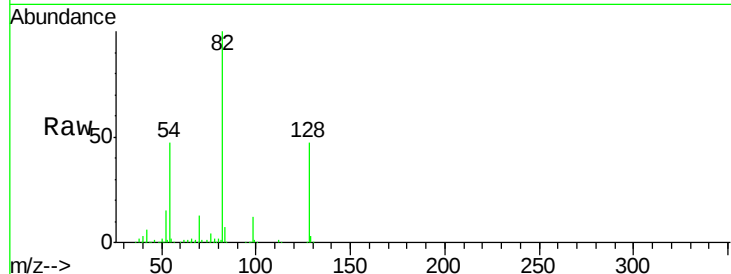
Ion Ratio Lower Upper

94 100

65 952.9 5.9 45.9#

66 12843.6 14.0 54.0#

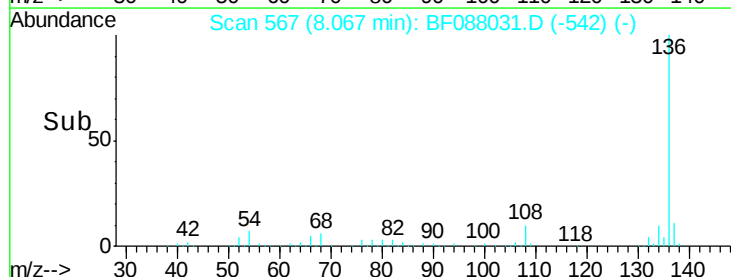
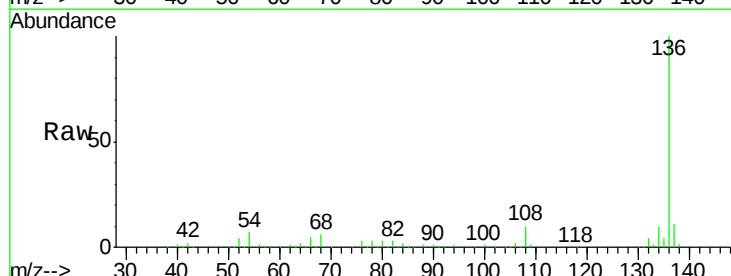
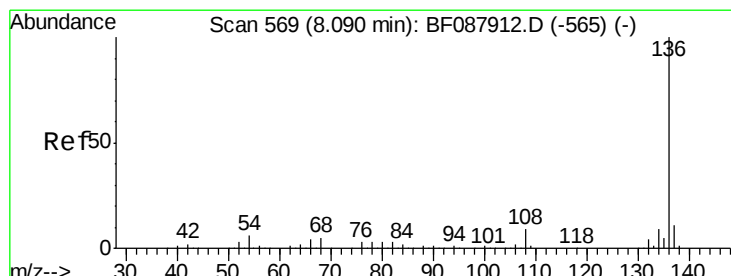
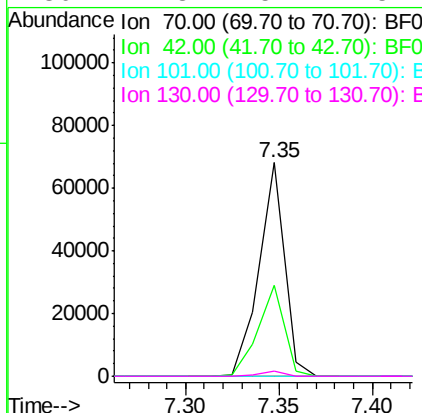




#19
n-Nitroso-di-n-propylamine
Concen: 14.67 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088031.D
Acq: 15 Jun 2016 7:14

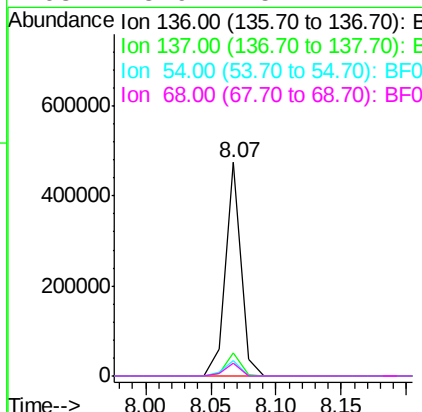
Instrument :
BNA_F
ClientSampleId :
STA-1065-(0-4)

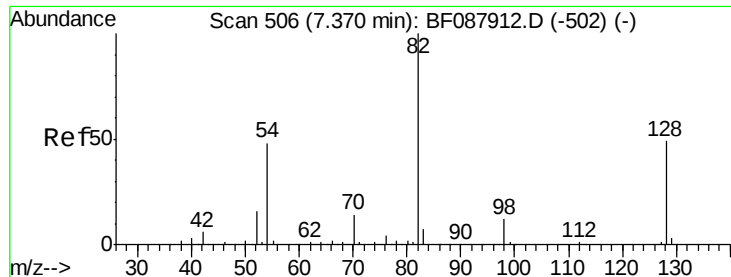
Tgt Ion:	70	Resp:	64461
Ion	Ratio	Lower	Upper
70	100		
42	42.6	49.6	74.4#
101	0.0	7.1	10.7#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088031.D
Acq: 15 Jun 2016 7:14

Tgt Ion:	136	Resp:	392505
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.1	6.6	10.0
68	5.9	5.1	7.7

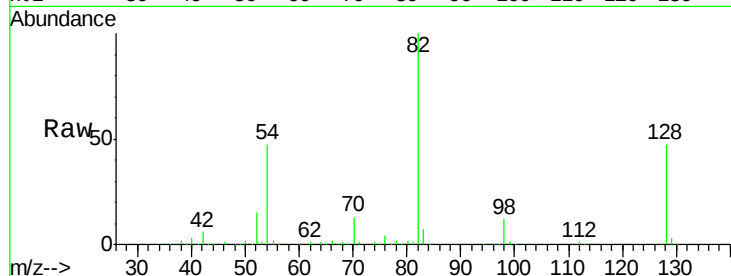




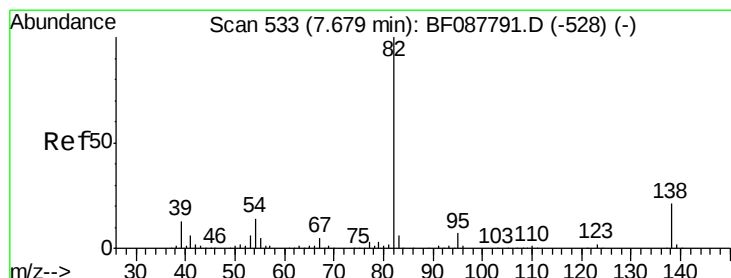
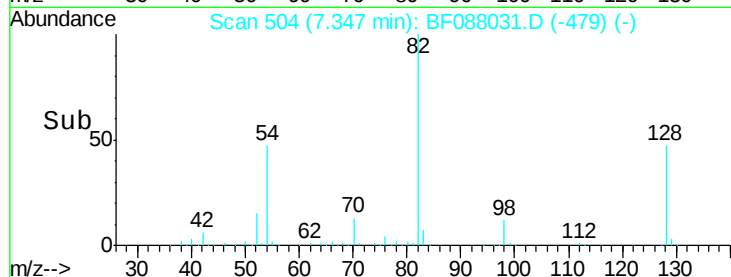
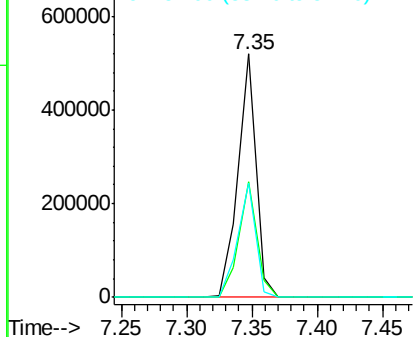
#23
 Nitrobenzene-d5
 Concen: 73.70 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Instrument :
 BNA_F
 ClientSampleId :
 STA-1065-(0-4)

Tgt Ion: 82 Resp: 495394
 Ion Ratio Lower Upper
 82 100
 128 47.4 35.9 53.9
 54 47.1 40.9 61.3

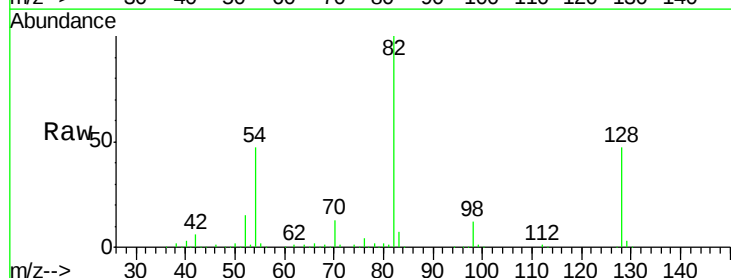


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

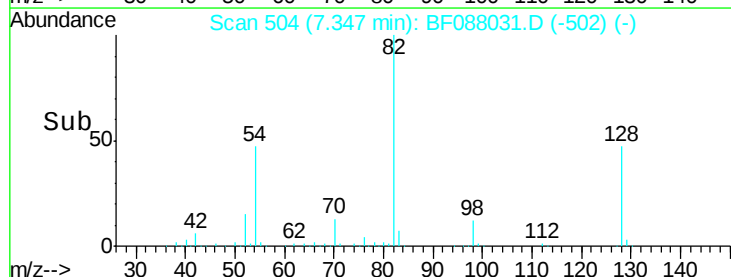
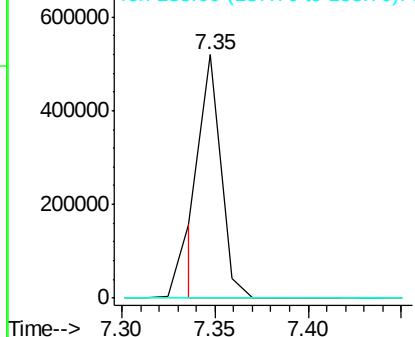


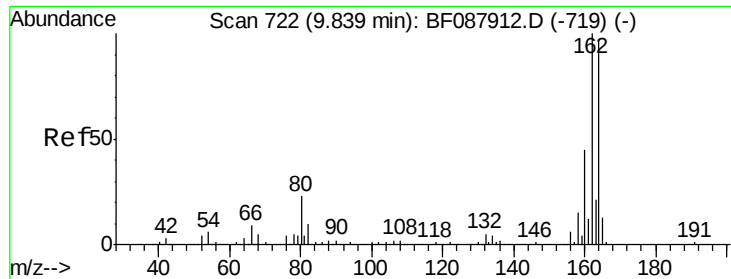
#25
 Isophorone
 Concen: 31.02 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.27 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Tgt Ion: 82 Resp: 386259
 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

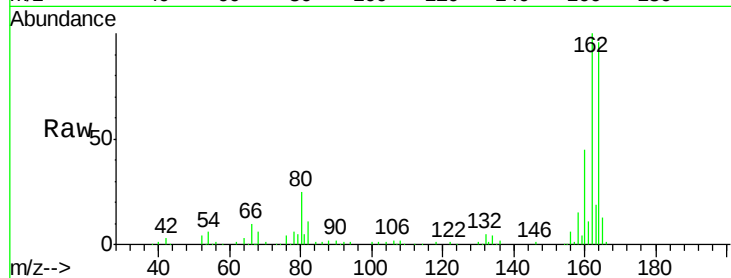




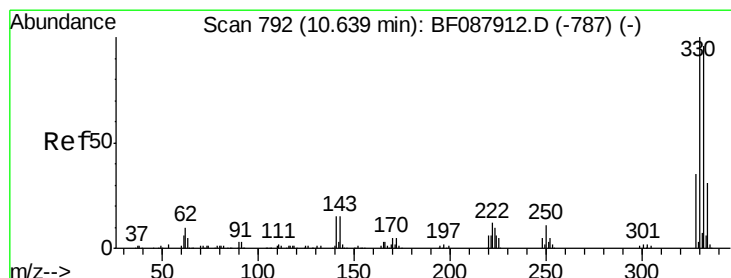
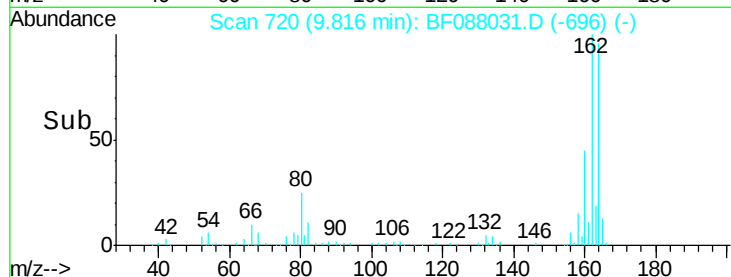
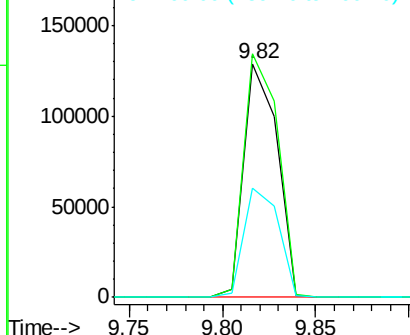
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.02 min
Lab File: BF088031.D
Acq: 15 Jun 2016 7:14

Instrument :
BNA_F
ClientSampleId :
STA-1065-(0-4)

Tgt Ion:164 Resp: 160343
Ion Ratio Lower Upper
164 100
162 104.2 85.4 128.2
160 46.8 39.5 59.3

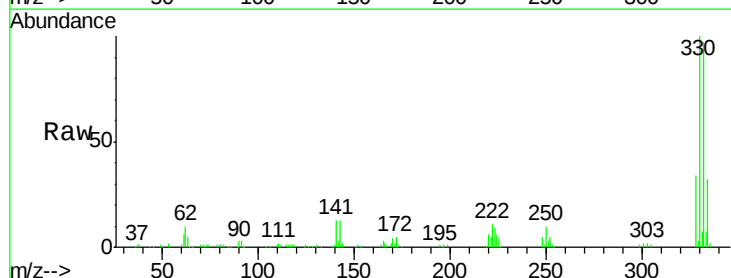


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

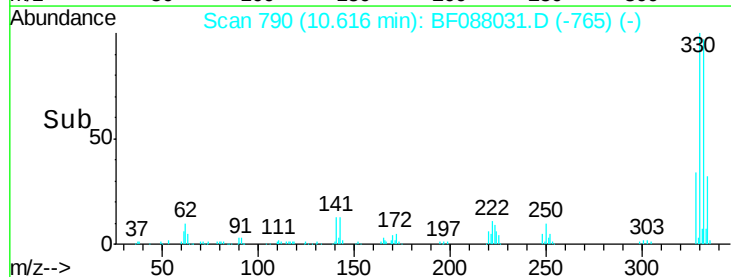
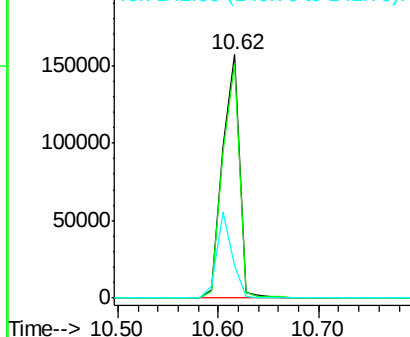


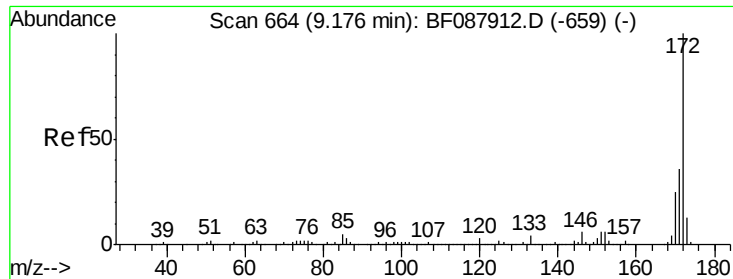
#41
2,4,6-Tribromophenol
Concen: 108.57 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF088031.D
Acq: 15 Jun 2016 7:14

Tgt Ion:330 Resp: 183817
Ion Ratio Lower Upper
330 100
332 96.9 0.0 0.0#
141 32.1 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

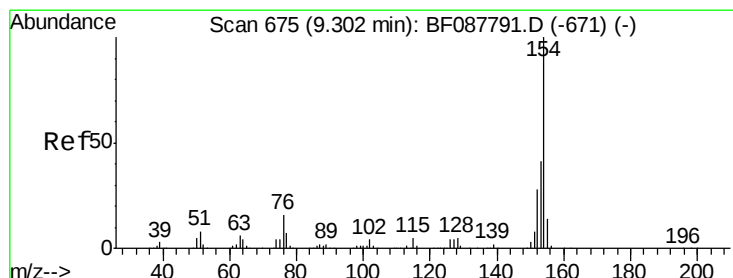
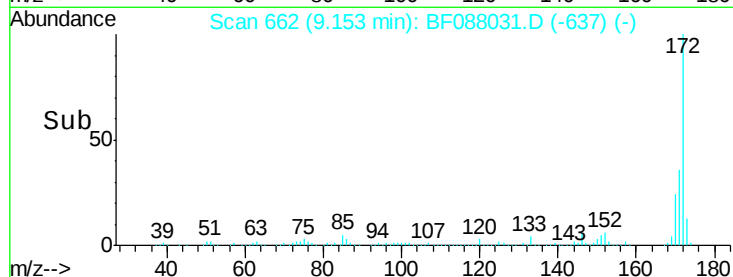
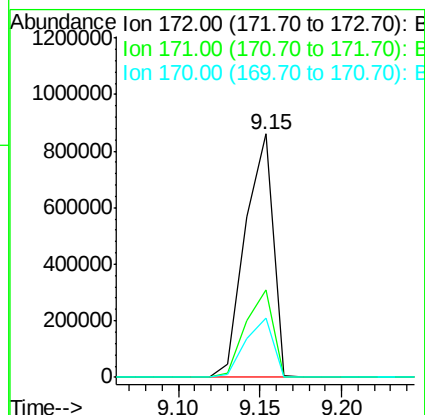
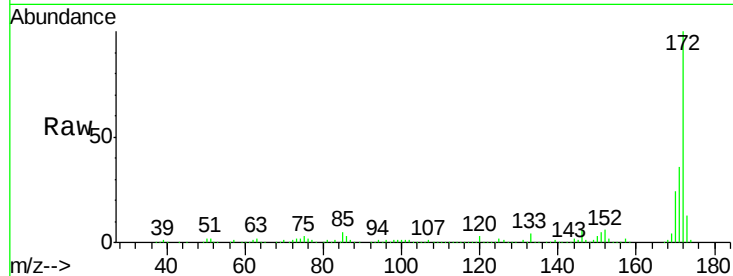




#44
 2-Fluorobiphenyl
 Concen: 100.60 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

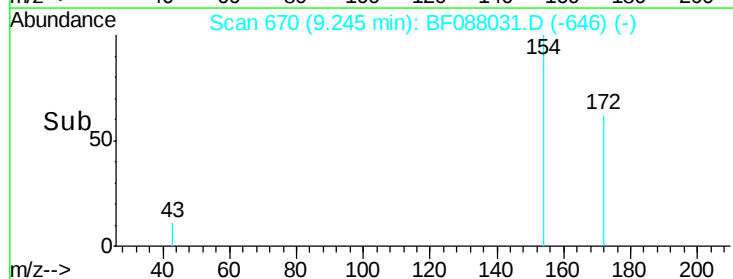
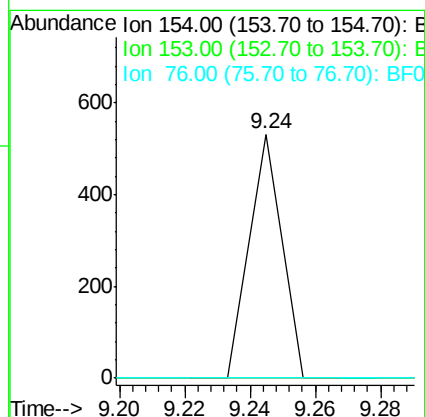
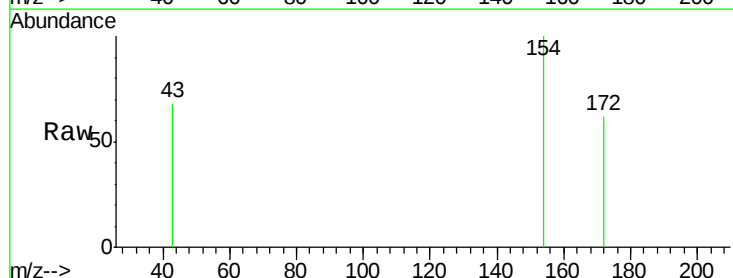
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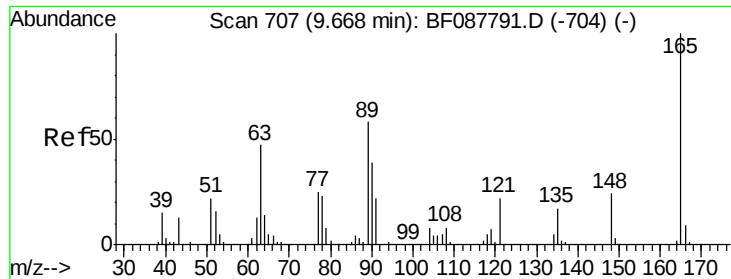
Tgt Ion:172 Resp: 1016434
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Tgt Ion:154 Resp: 364
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1

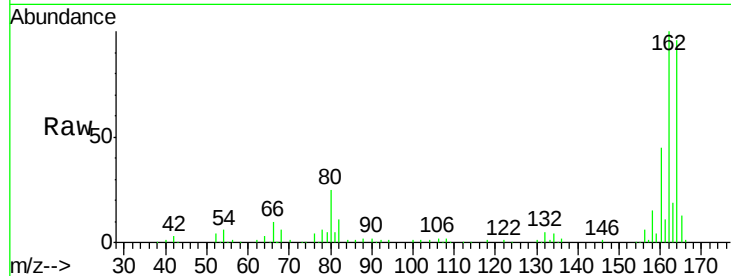




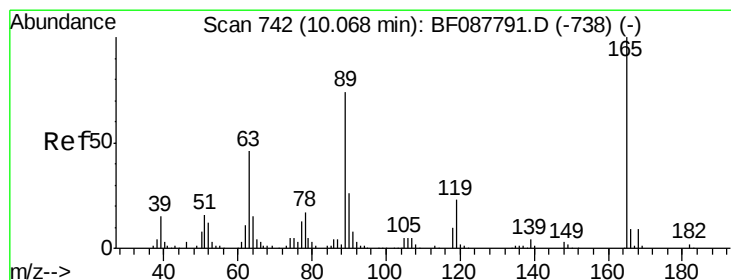
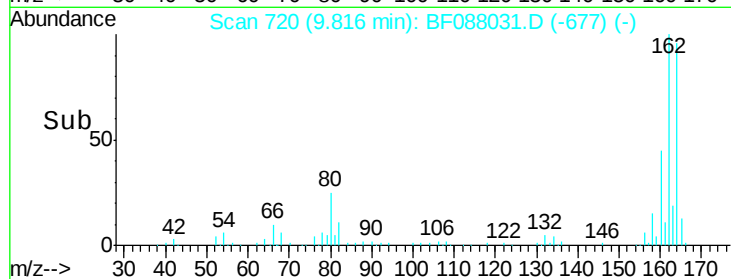
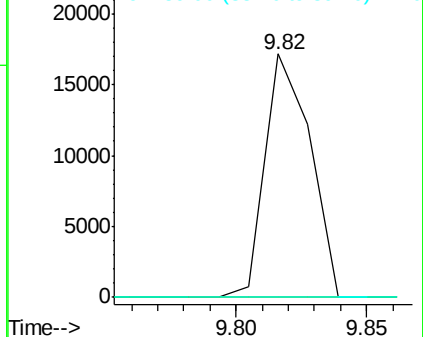
#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.19 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Instrument :
 BNA_F
 ClientSampleId :
 STA-1065-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



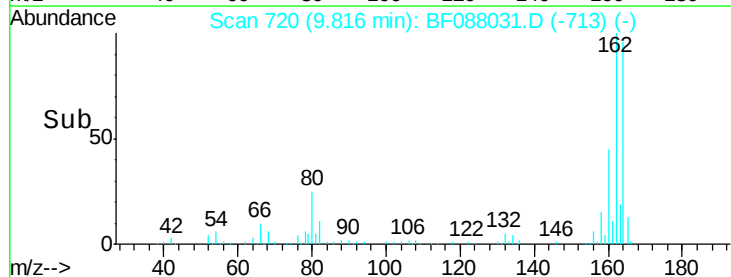
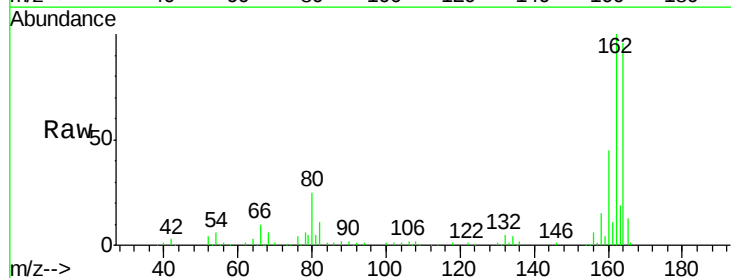
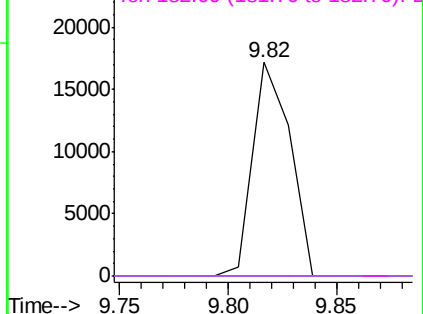
Abundance Ion 165.00 (164.70 to 165.70): E

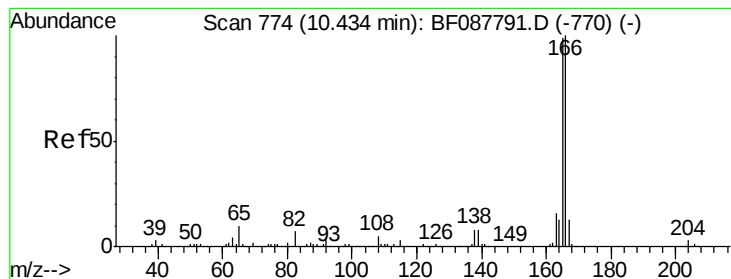


#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.22 min
 Lab File: BF088031.D
 Acq: 15 Jun 2016 7:14

Tgt 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





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

Instrument :

BNA_F

ClientSampleId :

STA-1065-(0-4)

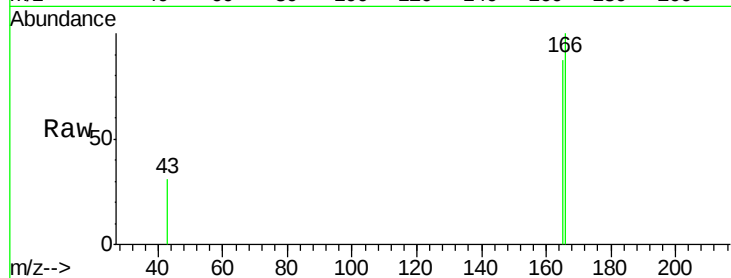
Tgt Ion:166 Resp: 713

Ion Ratio Lower Upper

166 100

165 87.4 77.8 116.8

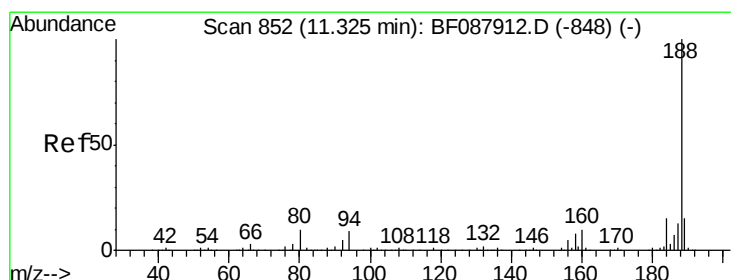
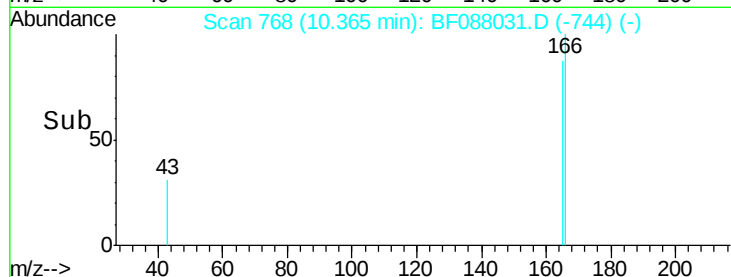
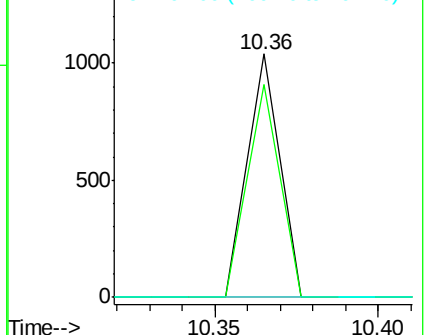
167 0.0 11.2 16.8#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

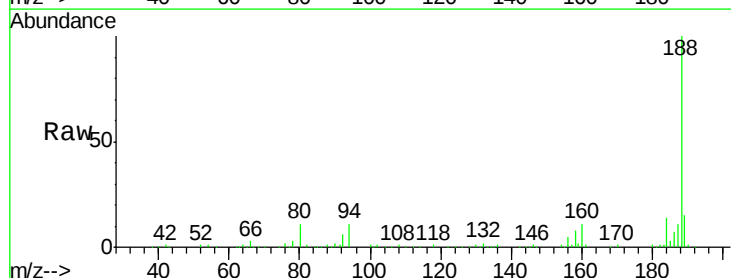
Tgt Ion:188 Resp: 271609

Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.6

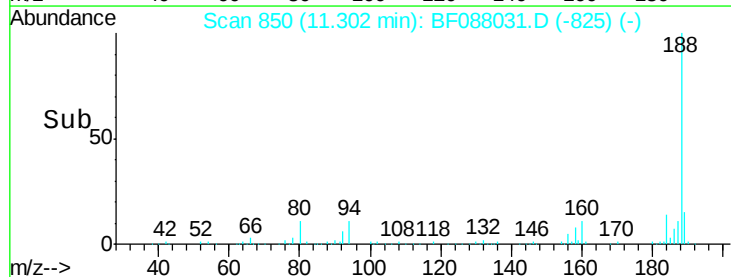
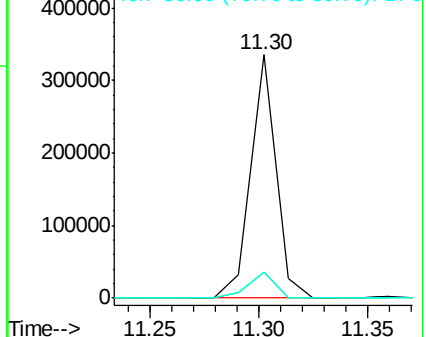
80 10.9 10.0 15.0

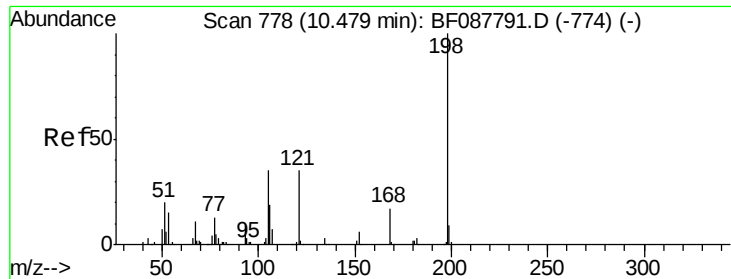


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.60 min Scan# 789

Delta R.T. 0.17 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

Instrument :

BNA_F

ClientSampleId :

STA-1065-(0-4)

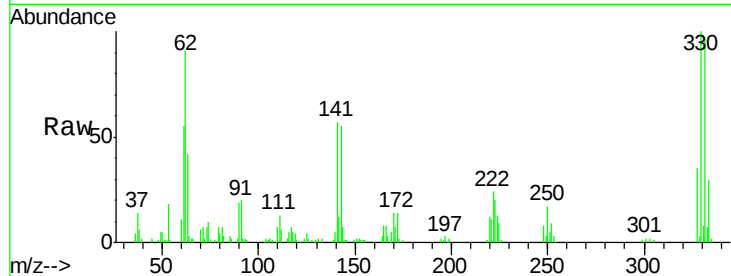
Tgt Ion:198 Resp: 237

Ion Ratio Lower Upper

198 100

51 213.3 39.6 79.6#

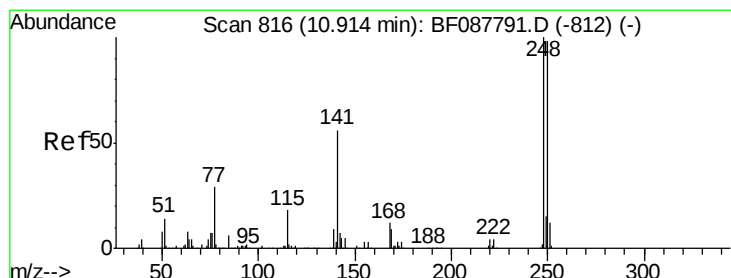
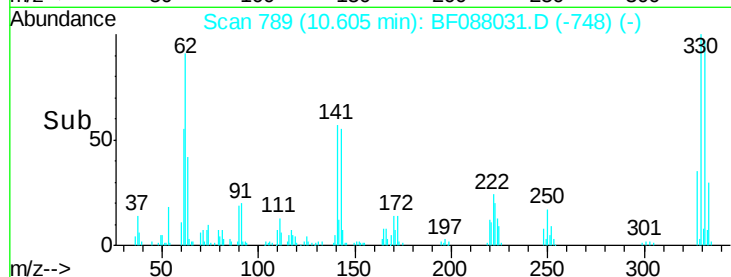
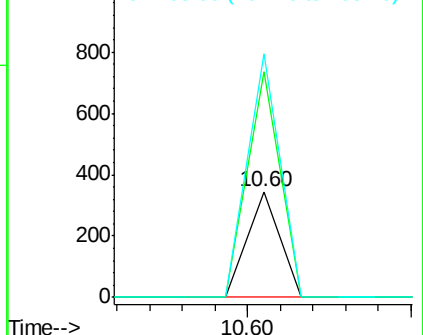
105 230.1 36.6 76.6#



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: 3.81 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.26 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

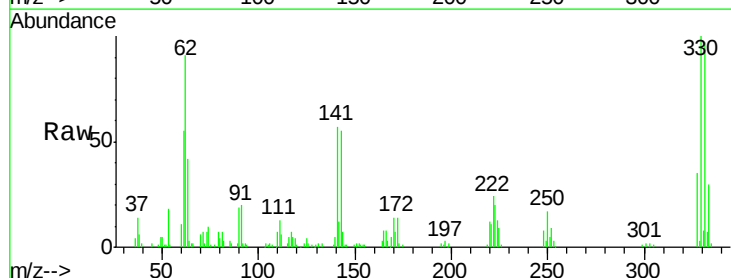
Tgt Ion:248 Resp: 11094

Ion Ratio Lower Upper

248 100

250 200.8 77.1 115.7#

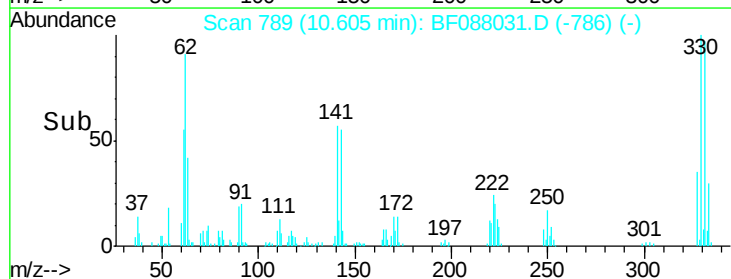
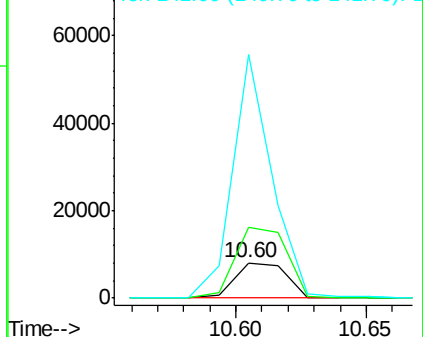
141 684.9 50.6 76.0#

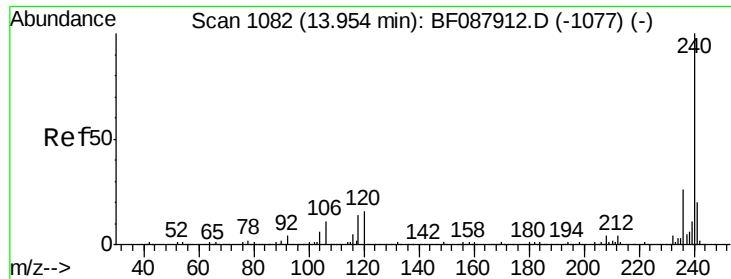


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

Instrument :

BNA_F

ClientSampleId :

STA-1065-(0-4)

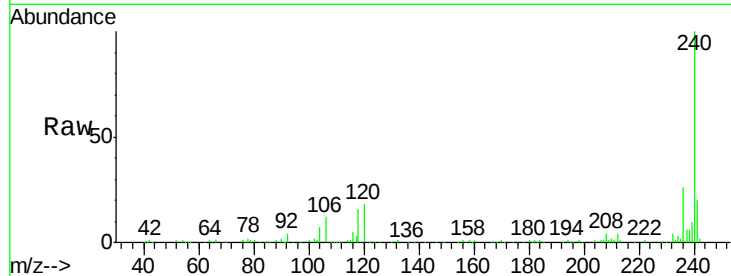
Tgt Ion:240 Resp: 229191

Ion Ratio Lower Upper

240 100

120 18.1 6.8 10.2#

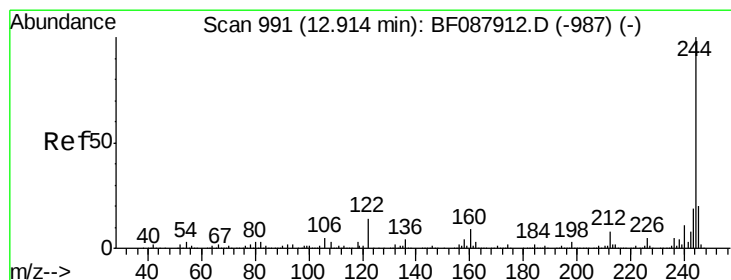
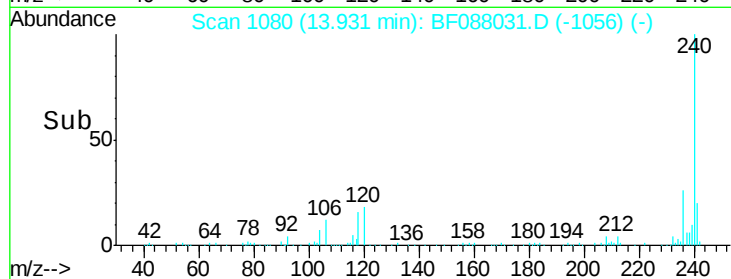
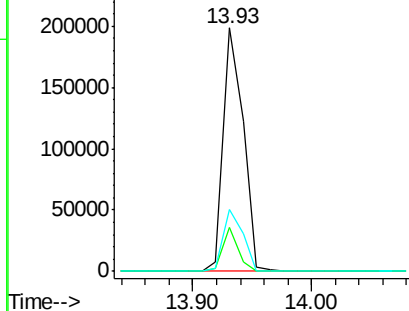
236 25.6 20.2 30.2



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: 68.26 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

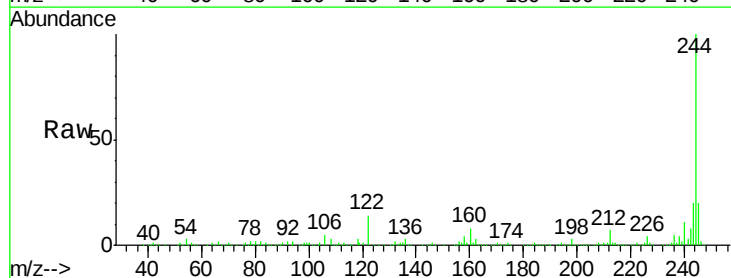
Tgt Ion:244 Resp: 687525

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

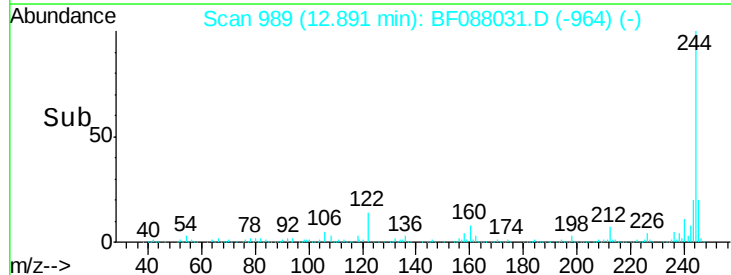
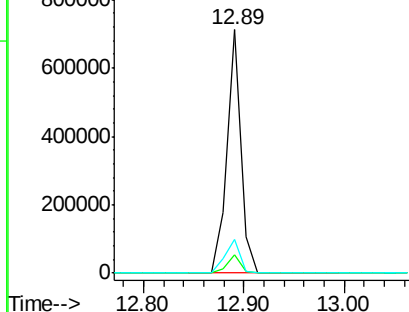
122 14.1 11.2 16.8

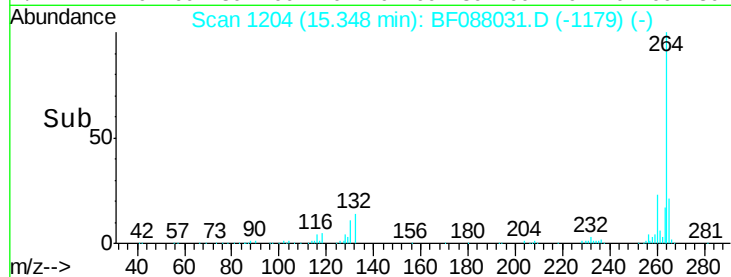
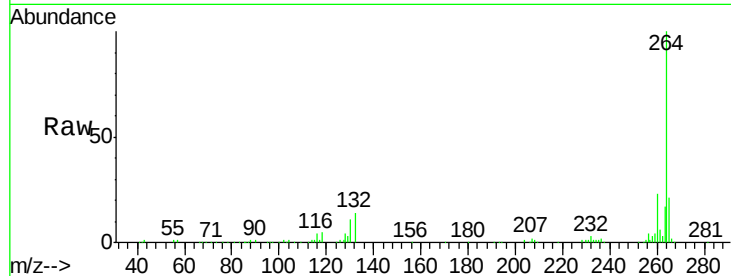
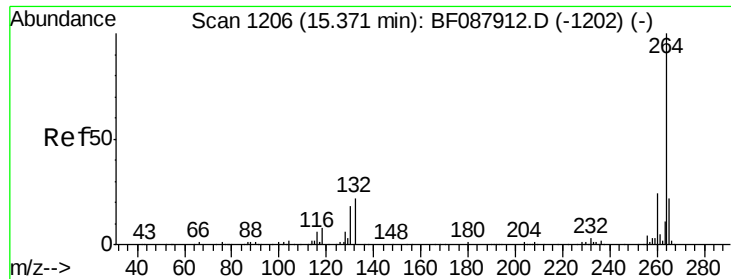


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF088031.D

Acq: 15 Jun 2016 7:14

Instrument :

BNA_F

ClientSampleId :

STA-1065-(0-4)

Tgt Ion:264 Resp: 169481

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.7 16.9 25.3

