

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087962.D
 Acq On : 12 Jun 2016 21:58
 Operator : UM/SJ
 Sample : H3473-01
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Quant Time: Jun 13 05:01:53 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 02:17:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102929	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	423383	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	207512	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	390822	20.00	ng	0.00
75) Chrysene-d12	13.95	240	284595	20.00	ng	-0.01
86) Perylene-d12	15.36	264	225737	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	681271	113.15	ng	0.01
7) Phenol-d6	6.44	99	984230	134.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	673124	92.84	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	236484	107.93	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1094911	82.74	ng	-0.01
78) Terphenyl-d14	12.91	244	1035257	82.78	ng	-0.01

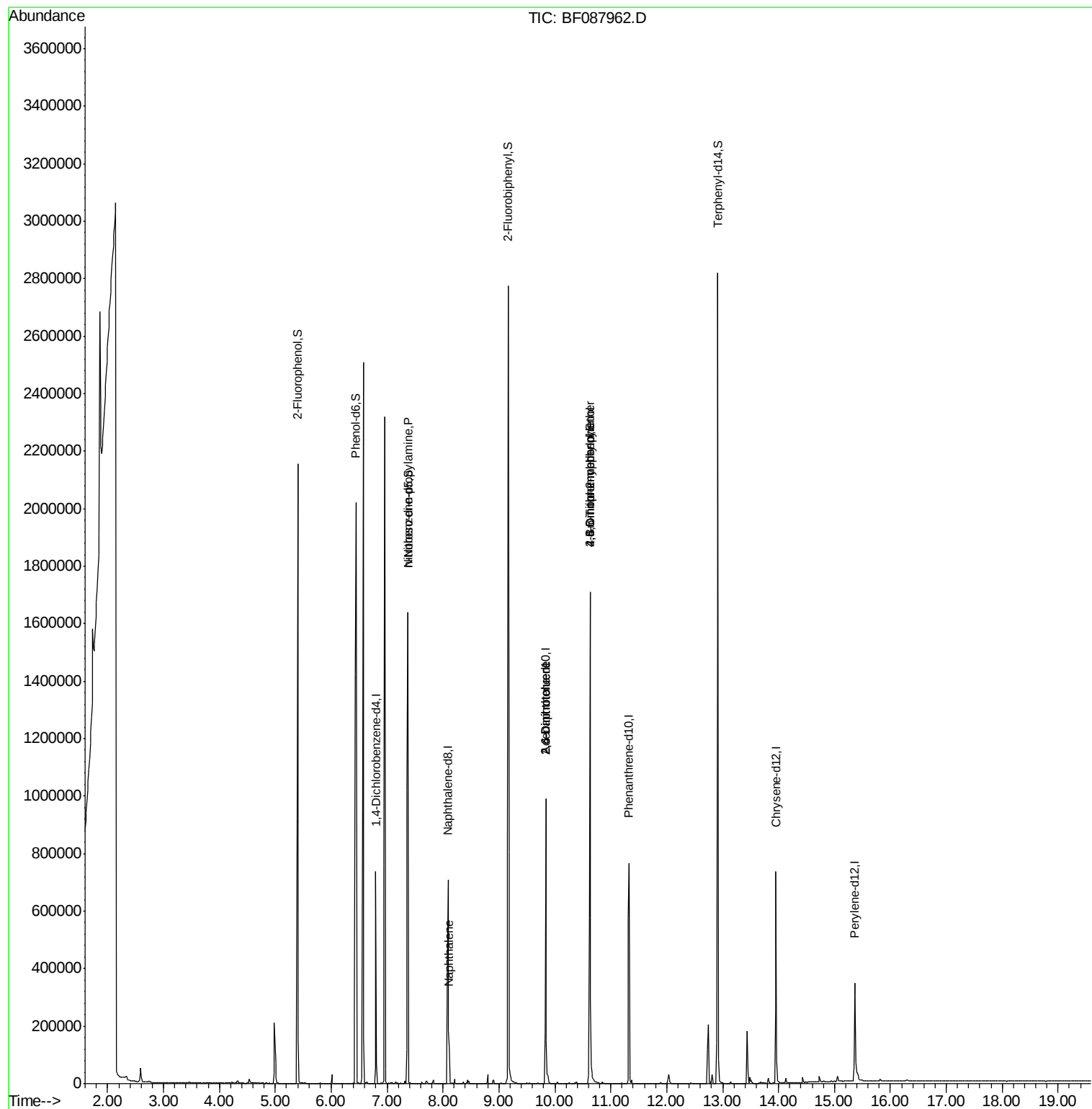
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1400	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	88446	18.95	ng	70
31) Naphthalene	8.10	128	108872	5.20	ng	98
45) 1,1'-Biphenyl	9.27	154	1717	Below Cal		89
50) 2,6-Dinitrotoluene	9.84	165	26395	7.67	ng	39
56) 2,4-Dinitrotoluene	9.84	165	26397	5.97	ng	38
57) Fluorene	10.39	166	3141	Below Cal	#	97
64) 4,6-Dinitro-2-methylphenol	10.63	198	418	2.33	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	15188	3.62	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: 6.80 min Scan# 456

Delta R.T. 0.00 min

Lab File: BF087962.D

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Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

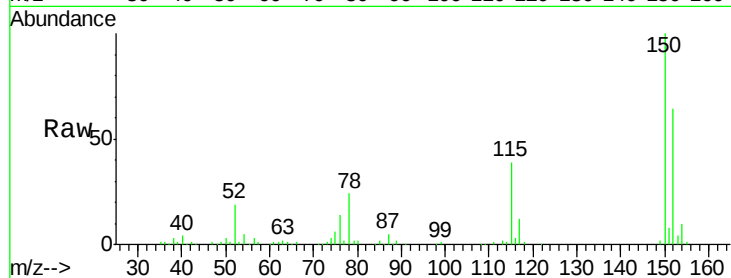
Tgt Ion:152 Resp: 102929

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

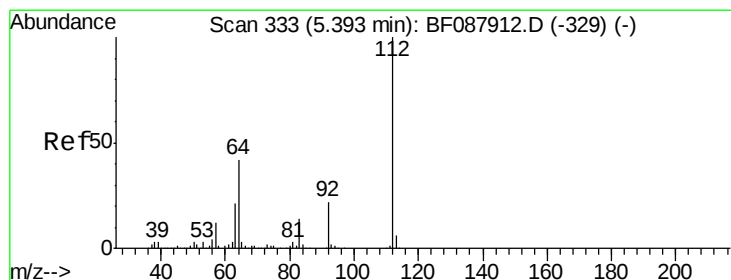
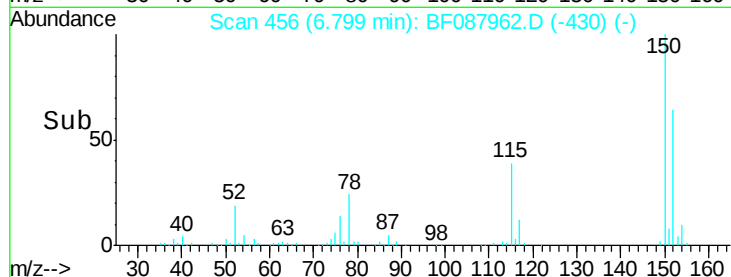
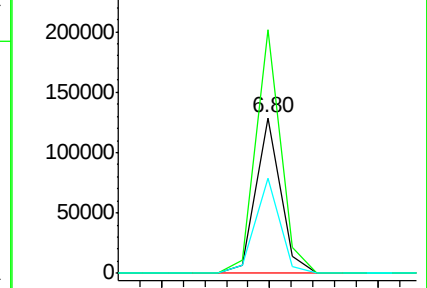
115 61.0 39.6 59.4#



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: 113.15 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

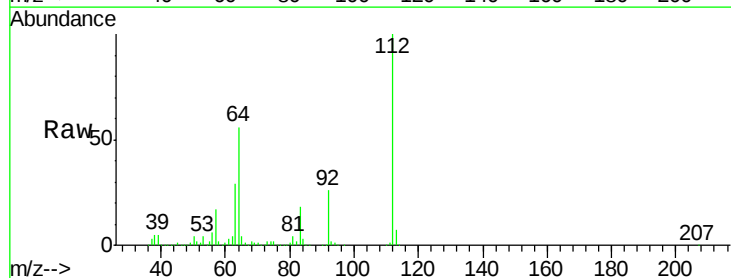
Tgt Ion:112 Resp: 681271

Ion Ratio Lower Upper

112 100

64 56.0 42.2 63.2

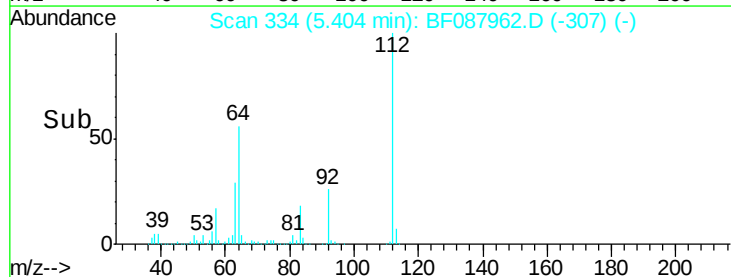
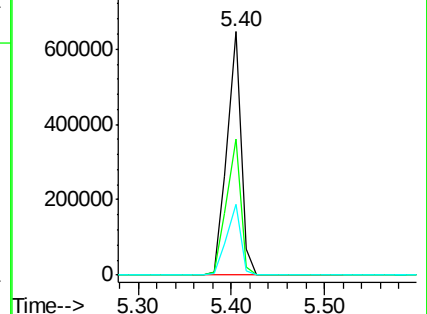
63 29.0 21.8 32.8



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: 134.89 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

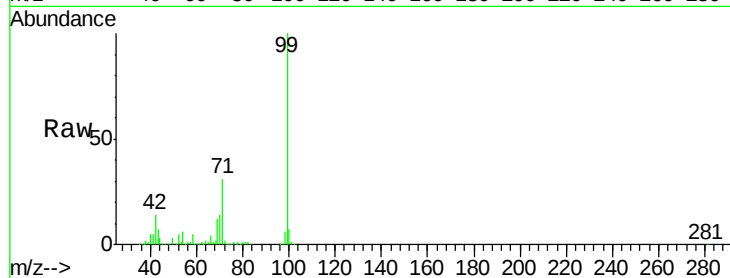
Tgt Ion: 99 Resp: 984230

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

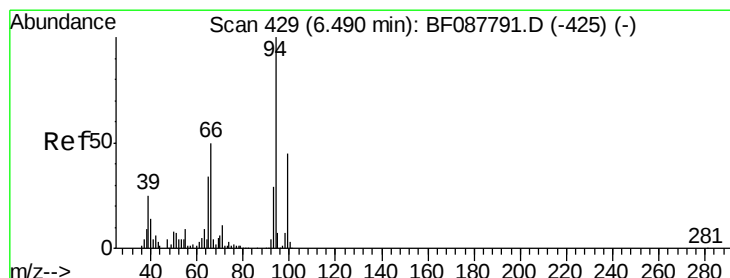
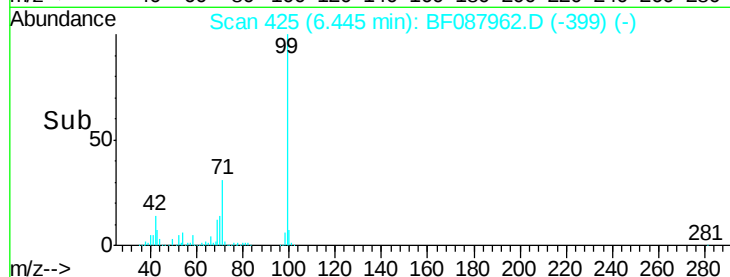
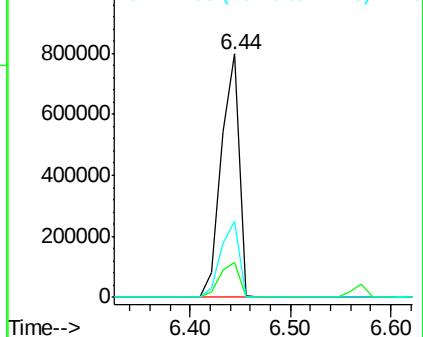
71 31.2 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

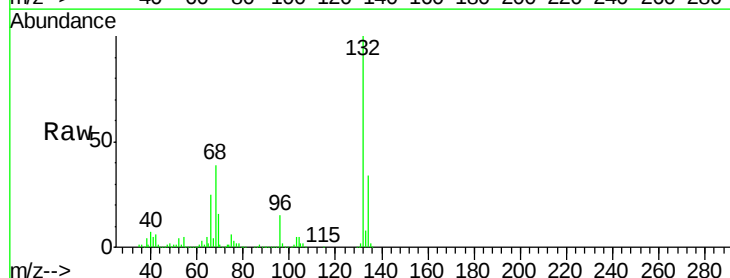
Tgt Ion: 94 Resp: 1400

Ion Ratio Lower Upper

94 100

65 1042.3 5.9 45.9#

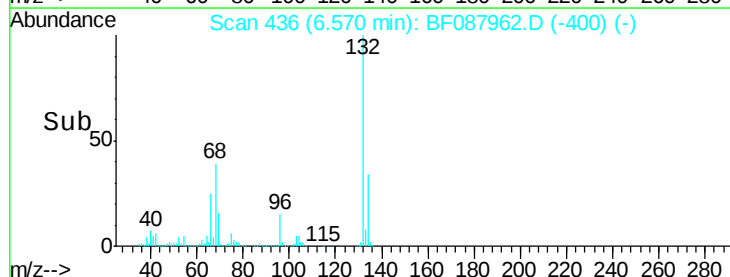
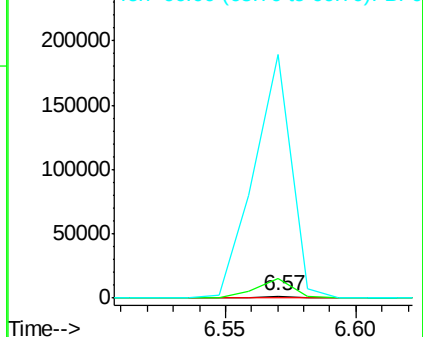
66 12852.1 14.0 54.0#



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

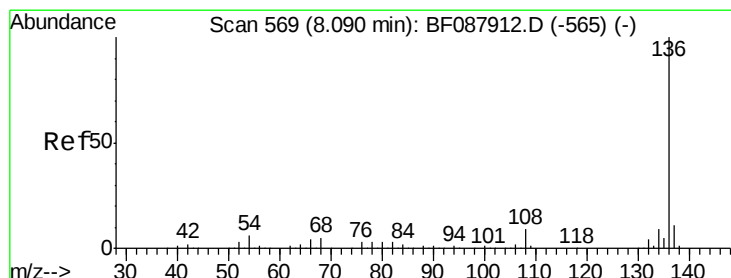
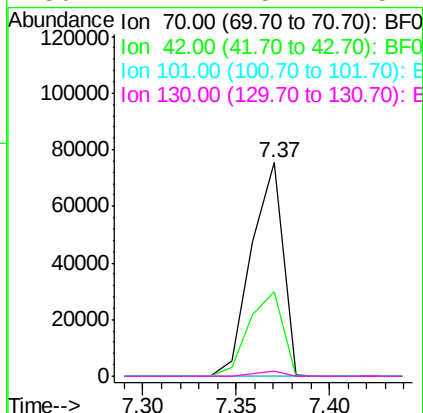
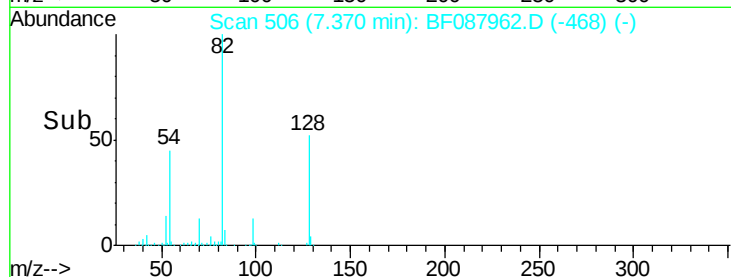
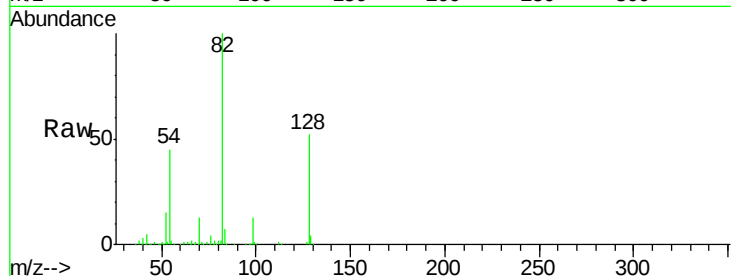




#19
n-Nitroso-di-n-propylamine
Concen: 18.95 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087962.D
Acq: 12 Jun 2016 21:58

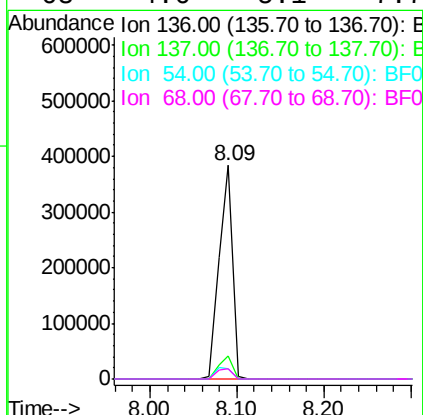
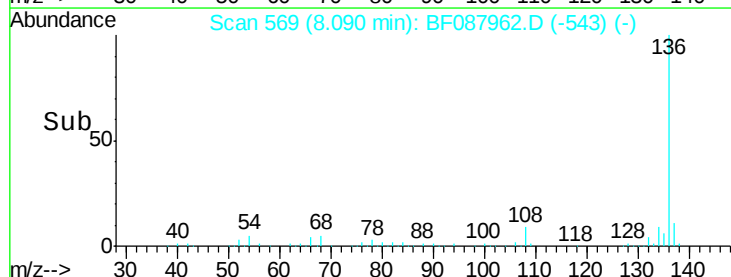
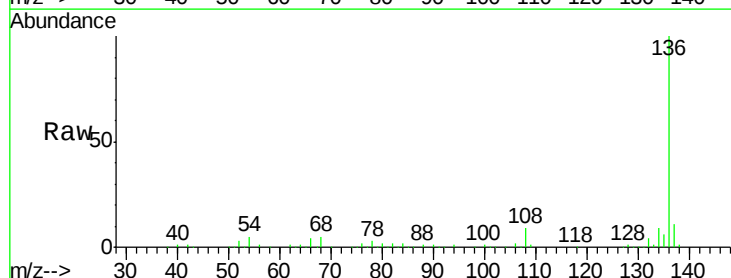
Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

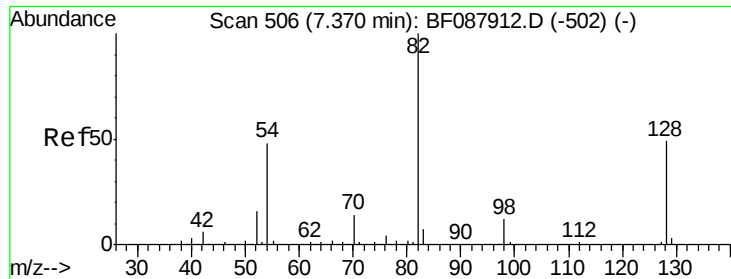
Tgt Ion: 70 Resp: 88446
Ion Ratio Lower Upper
70 100
42 39.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087962.D
Acq: 12 Jun 2016 21:58

Tgt Ion: 136 Resp: 423383
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.1 6.6 10.0#
68 4.6 5.1 7.7#

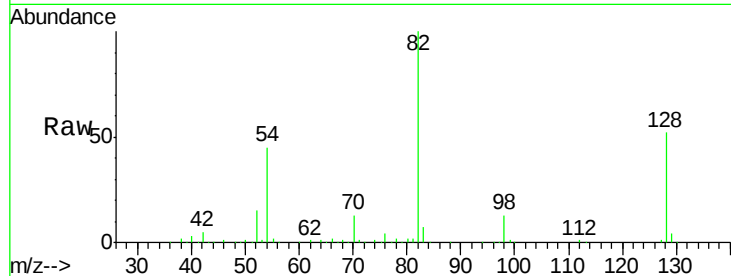




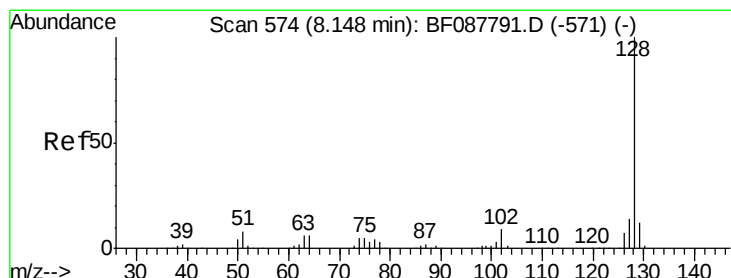
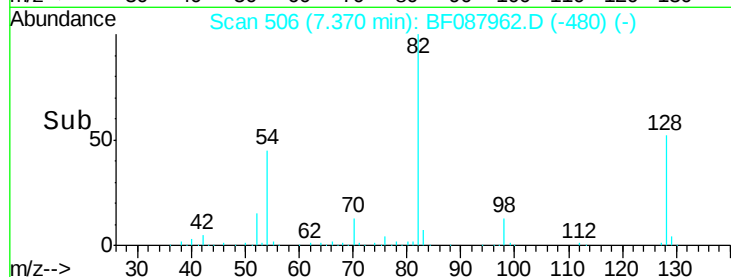
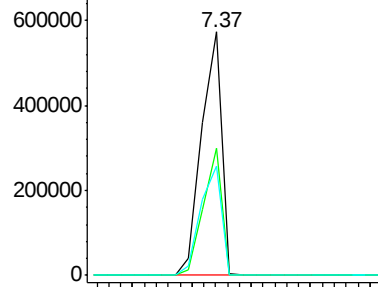
#23
 Nitrobenzene-d5
 Concen: 92.84 ng
 RT: 7.37 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tgt Ion: 82 Resp: 673124
 Ion Ratio Lower Upper
 82 100
 128 52.0 35.9 53.9
 54 44.8 40.9 61.3

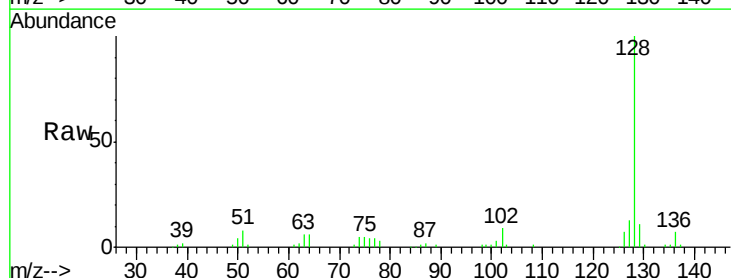


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

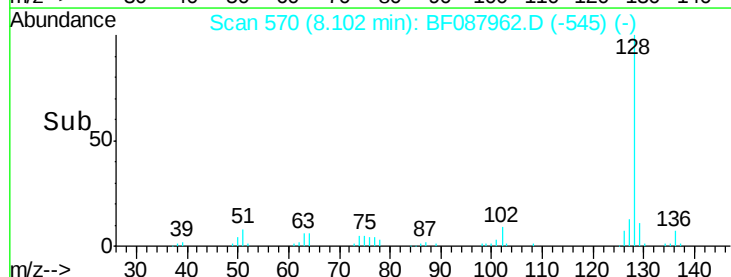
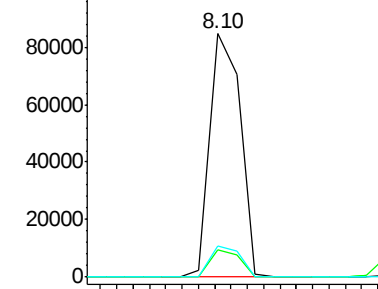


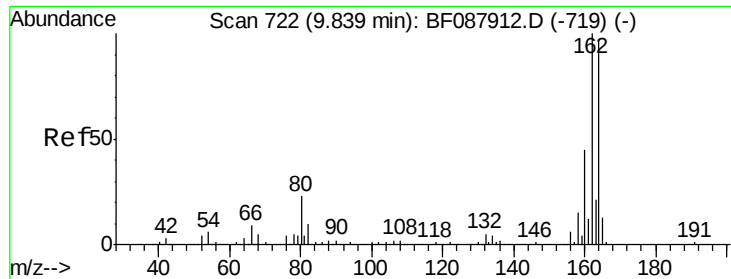
#31
 Naphthalene
 Concen: 5.20 ng
 RT: 8.10 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Tgt Ion: 128 Resp: 108872
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.4 14.2
 127 12.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

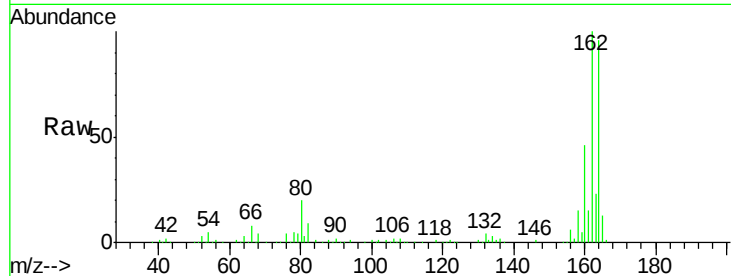
Tgt Ion:164 Resp: 207512

Ion Ratio Lower Upper

164 100

162 103.8 85.4 128.2

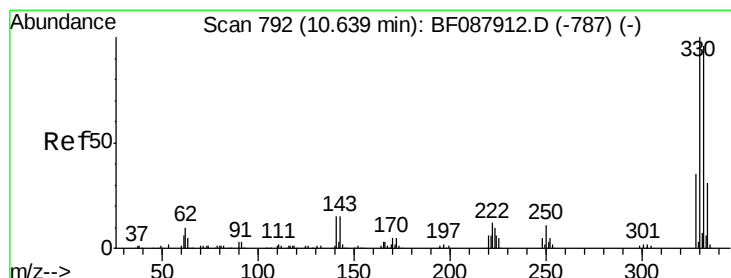
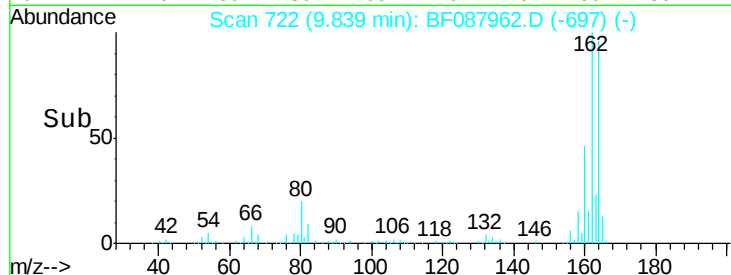
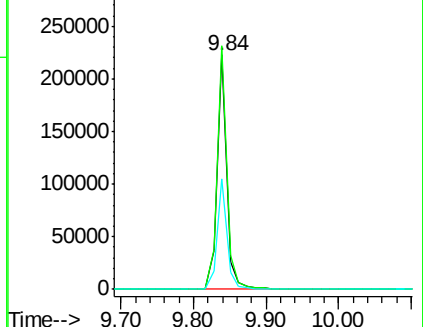
160 47.2 39.5 59.3



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: 107.93 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

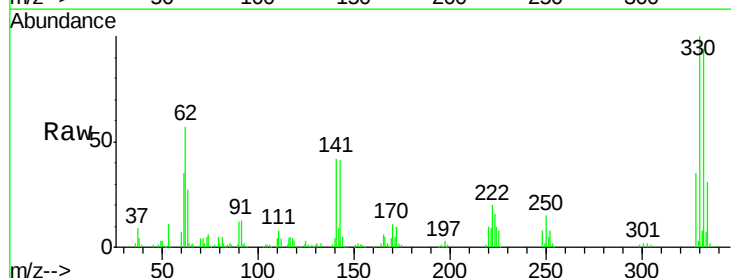
Tgt Ion:330 Resp: 236484

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

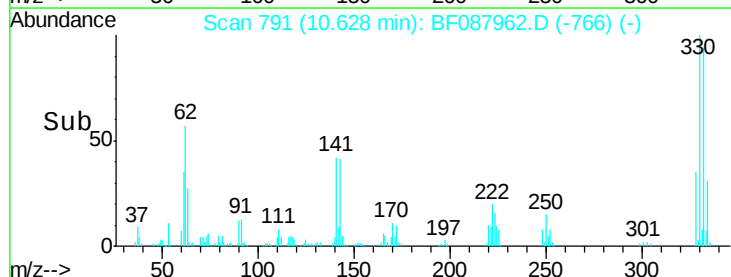
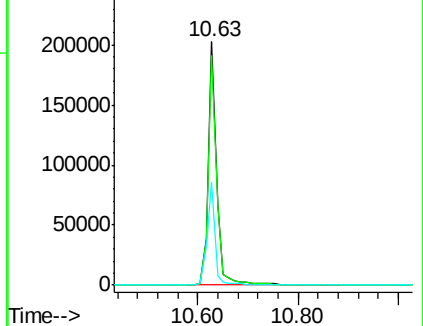
141 40.3 0.0 0.0#

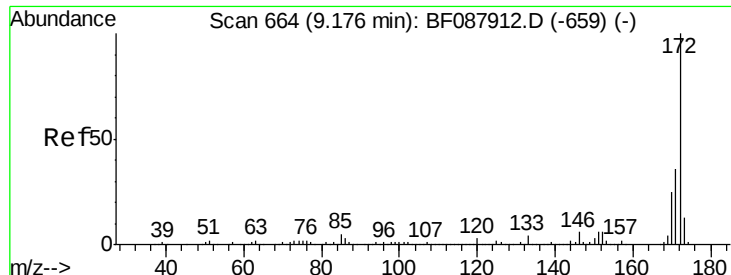


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

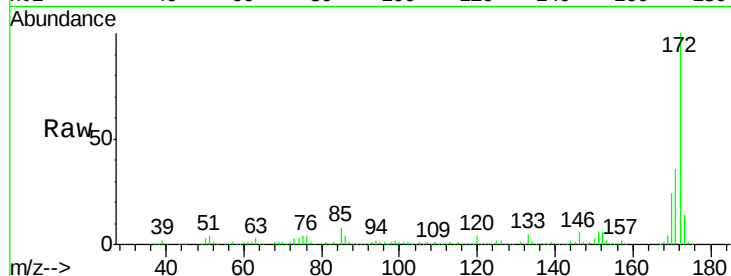




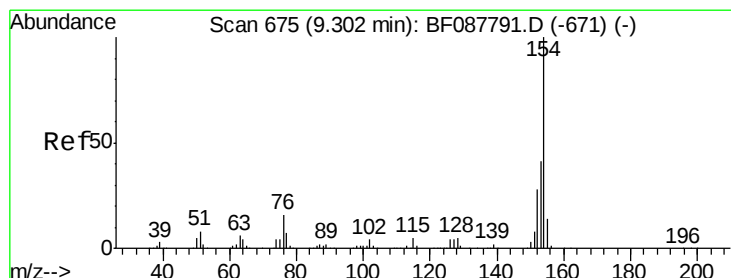
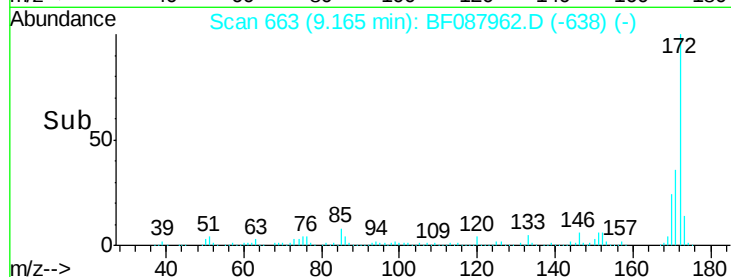
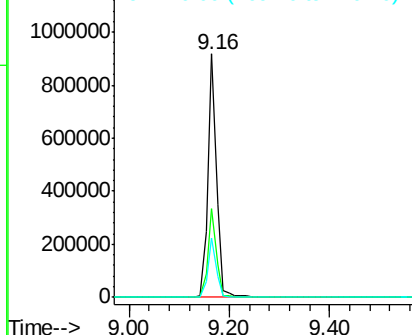
#44
 2-Fluorobiphenyl
 Concen: 82.74 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Instrument :
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 STA-1000-(0-4)

Tgt Ion:172 Resp: 1094911
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.3 19.2 28.8

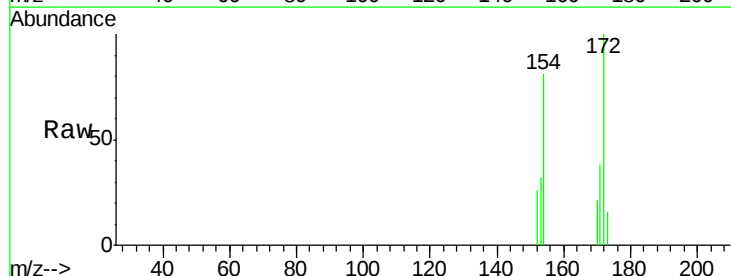


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

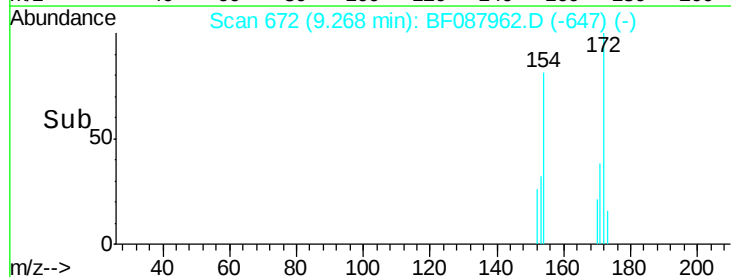
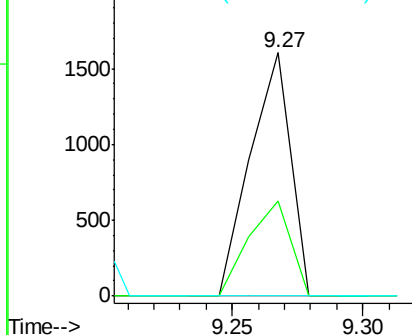


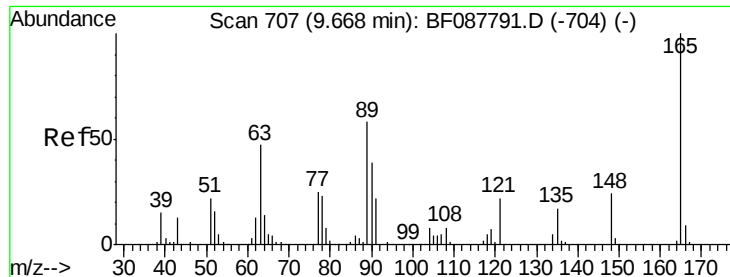
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Tgt Ion:154 Resp: 1717
 Ion Ratio Lower Upper
 154 100
 153 39.3 20.6 60.6
 76 0.0 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

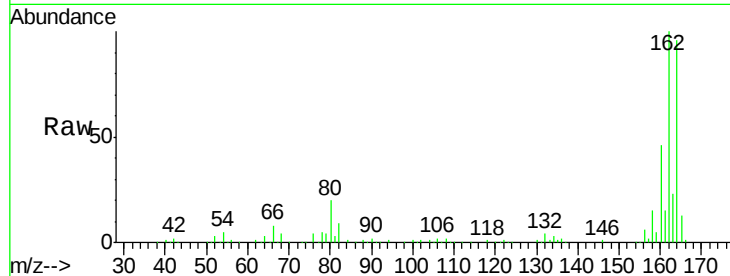




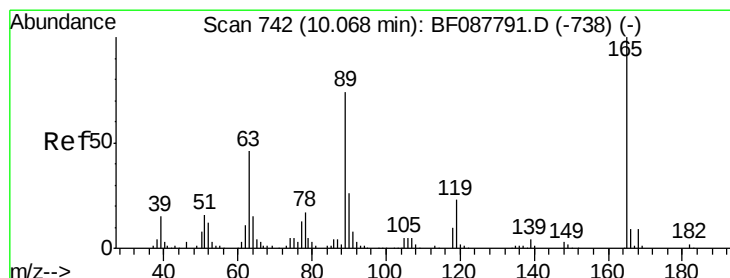
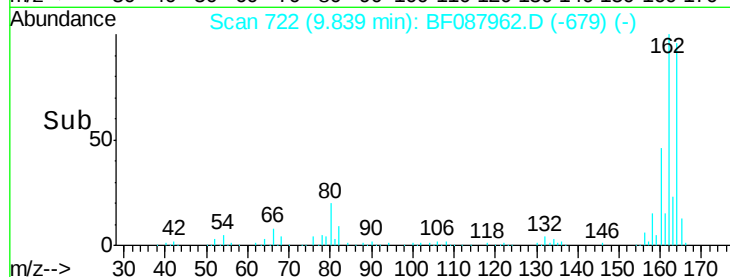
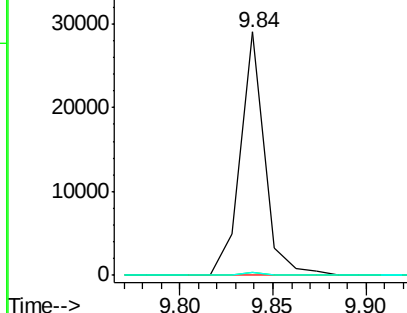
#50
 2,6-Dinitrotoluene
 Concen: 7.67 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.19 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Instrument :
 BNA_F
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 STA-1000-(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#

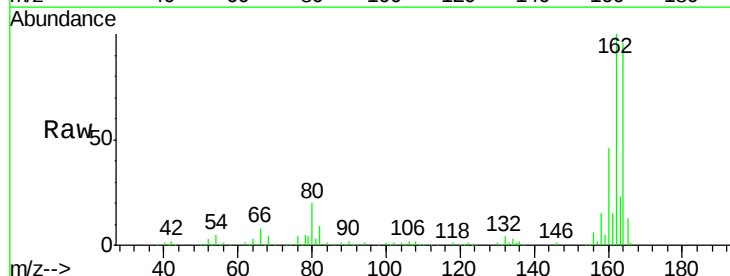


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

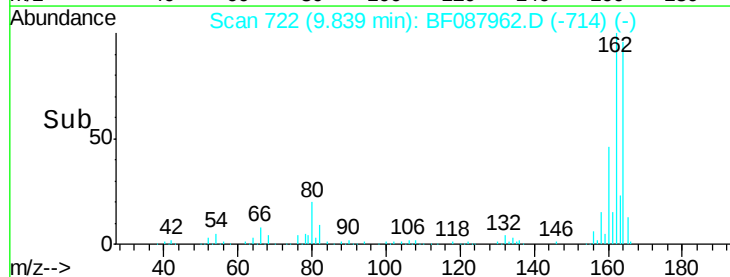
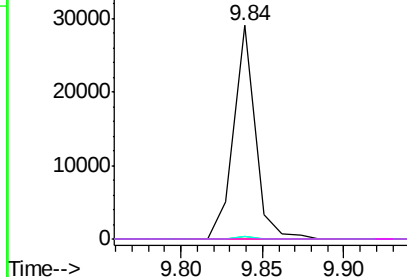


#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.21 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	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





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

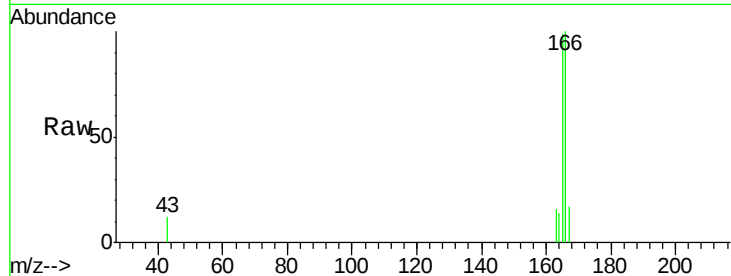
Tgt Ion:166 Resp: 3141

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.8

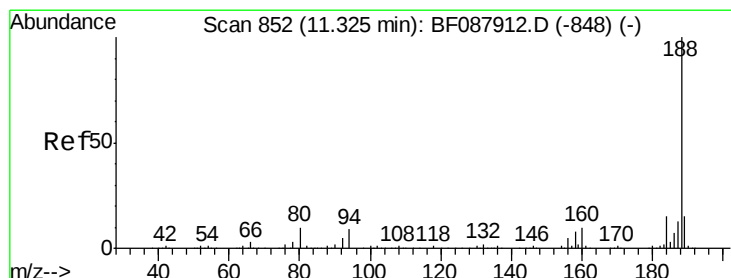
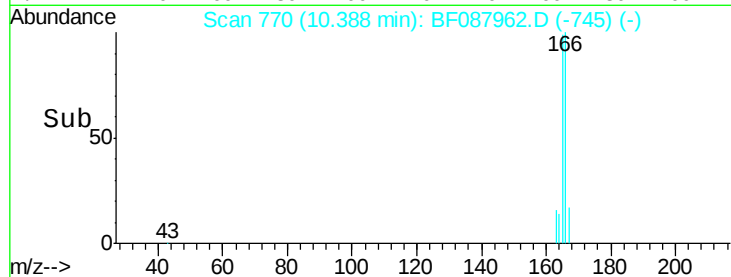
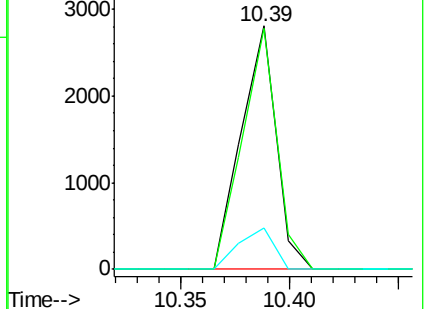
167 16.9 11.2 16.8#



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: 11.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

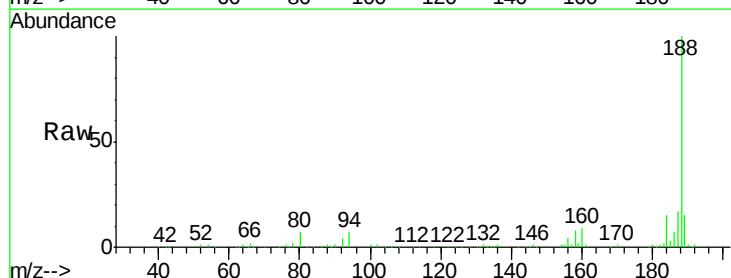
Tgt Ion:188 Resp: 390822

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.6#

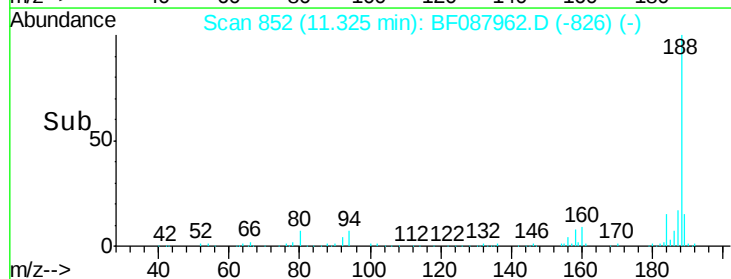
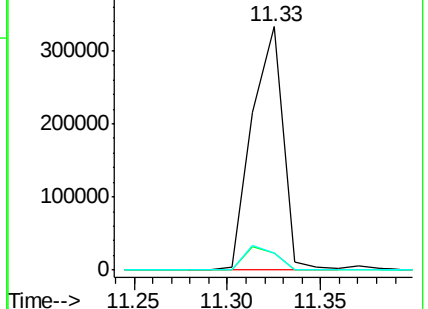
80 6.8 10.0 15.0#

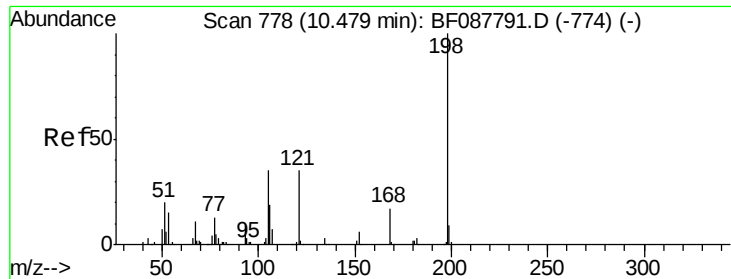


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

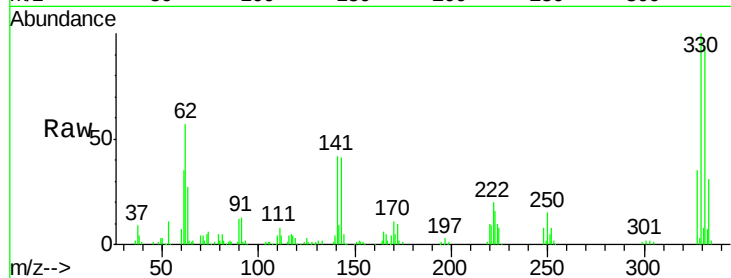




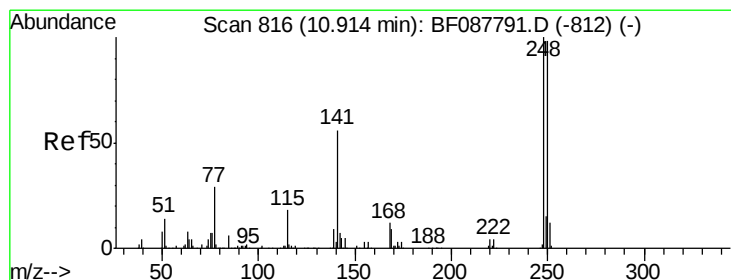
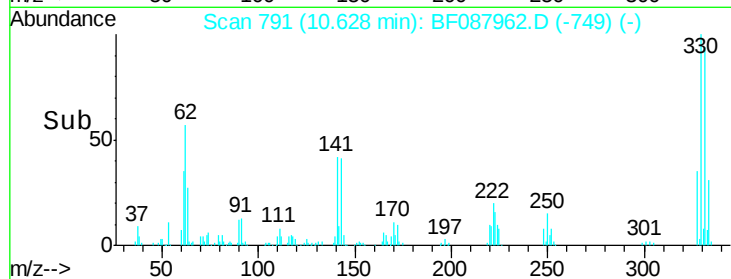
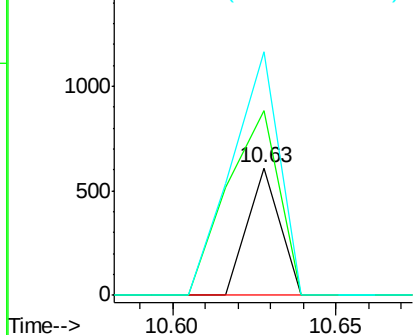
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.33 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.18 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Instrument :
 BNA_F
 ClientSampleId :
 STA-1000-(0-4)

Tgt Ion:198 Resp: 418
 Ion Ratio Lower Upper
 198 100
 51 145.1 39.6 79.6#
 105 190.8 36.6 76.6#

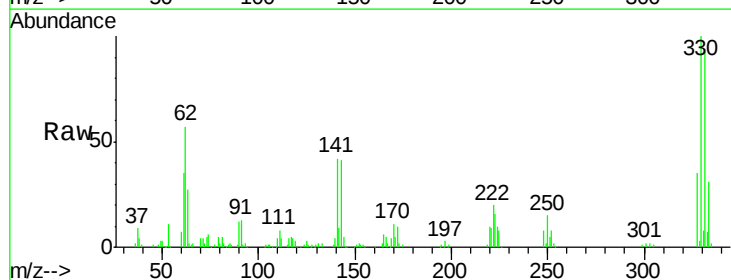


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

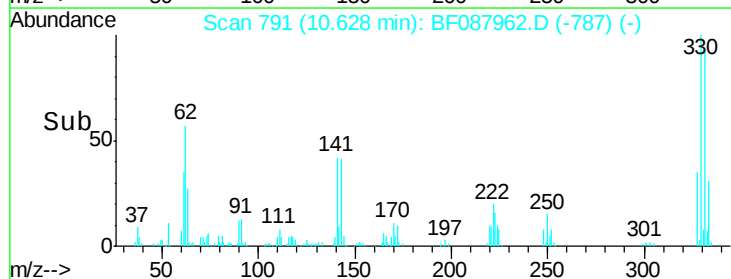
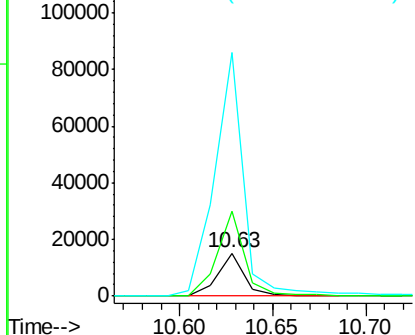


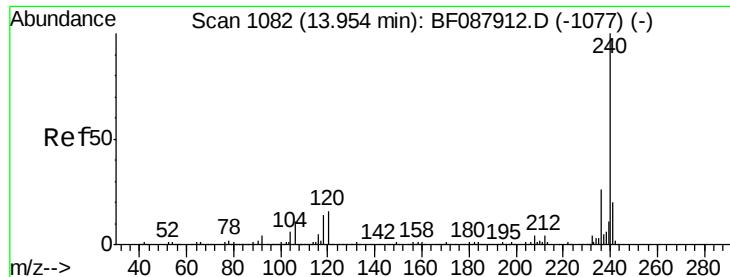
#66
 4-Bromophenyl-phenylether
 Concen: 3.62 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.25 min
 Lab File: BF087962.D
 Acq: 12 Jun 2016 21:58

Tgt Ion:248 Resp: 15188
 Ion Ratio Lower Upper
 248 100
 250 198.1 77.1 115.7#
 141 564.7 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: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

Instrument :

BNA_F

ClientSampleId :

STA-1000-(0-4)

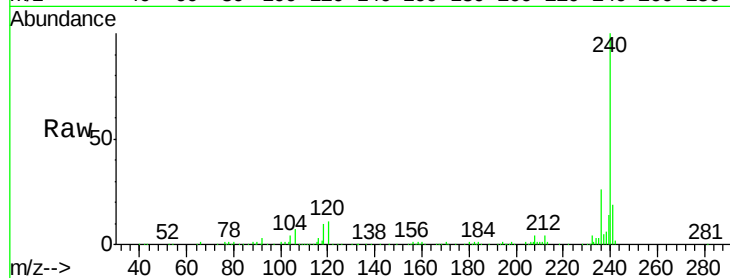
Tgt Ion:240 Resp: 284595

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

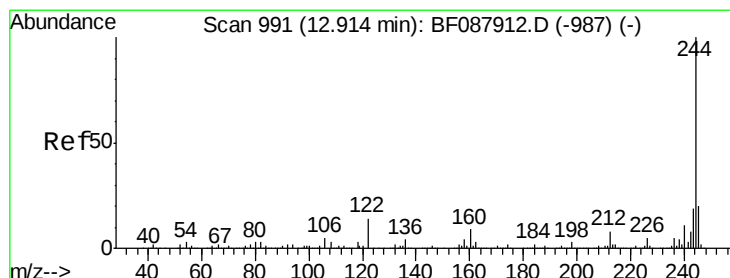
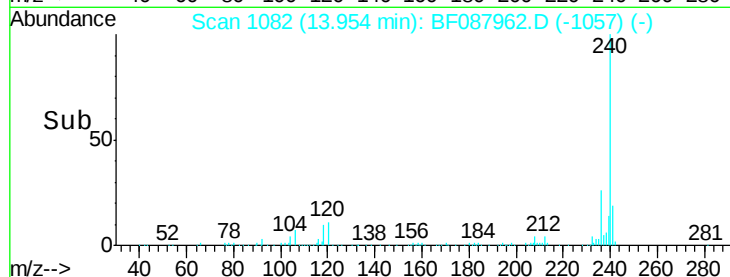
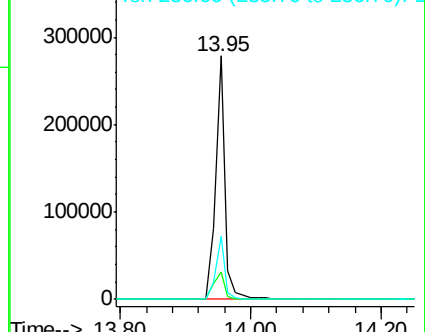
236 26.1 20.2 30.2



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: 82.78 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF087962.D

Acq: 12 Jun 2016 21:58

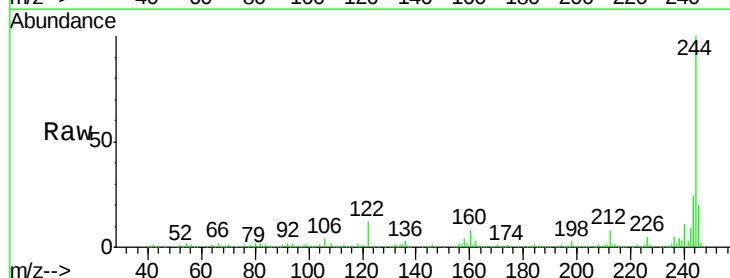
Tgt Ion:244 Resp: 1035257

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

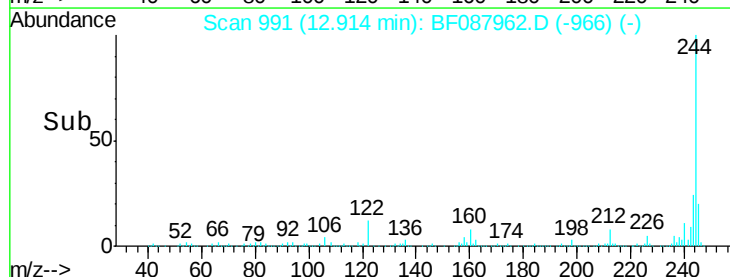
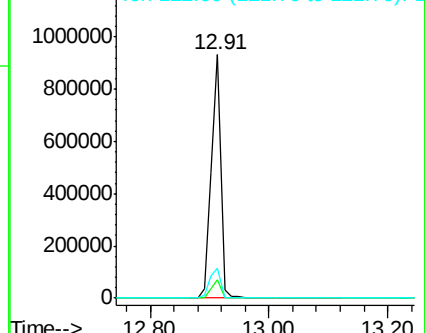
122 12.1 11.2 16.8

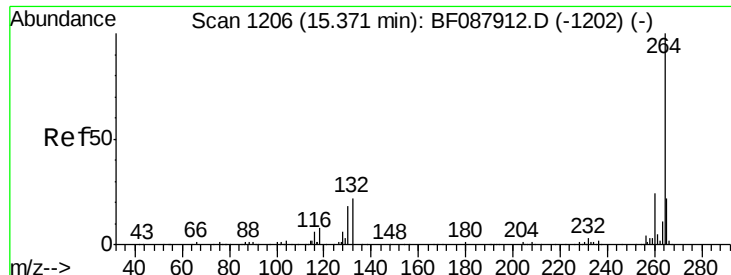


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

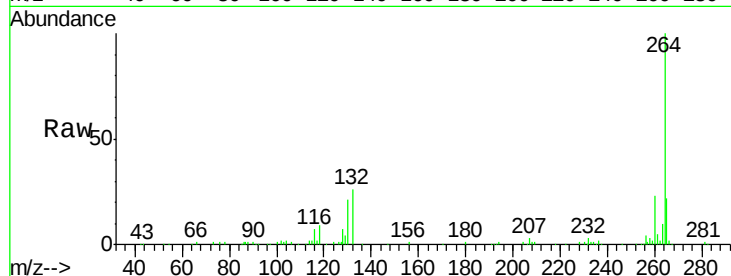




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087962.D
Acq: 12 Jun 2016 21:58

Instrument :
BNA_F
ClientSampleId :
STA-1000-(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.6	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

