

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087973.D
 Acq On : 13 Jun 2016 3:20
 Operator : UM/SJ
 Sample : H3473-19
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Quant Time: Jun 13 05:05:11 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

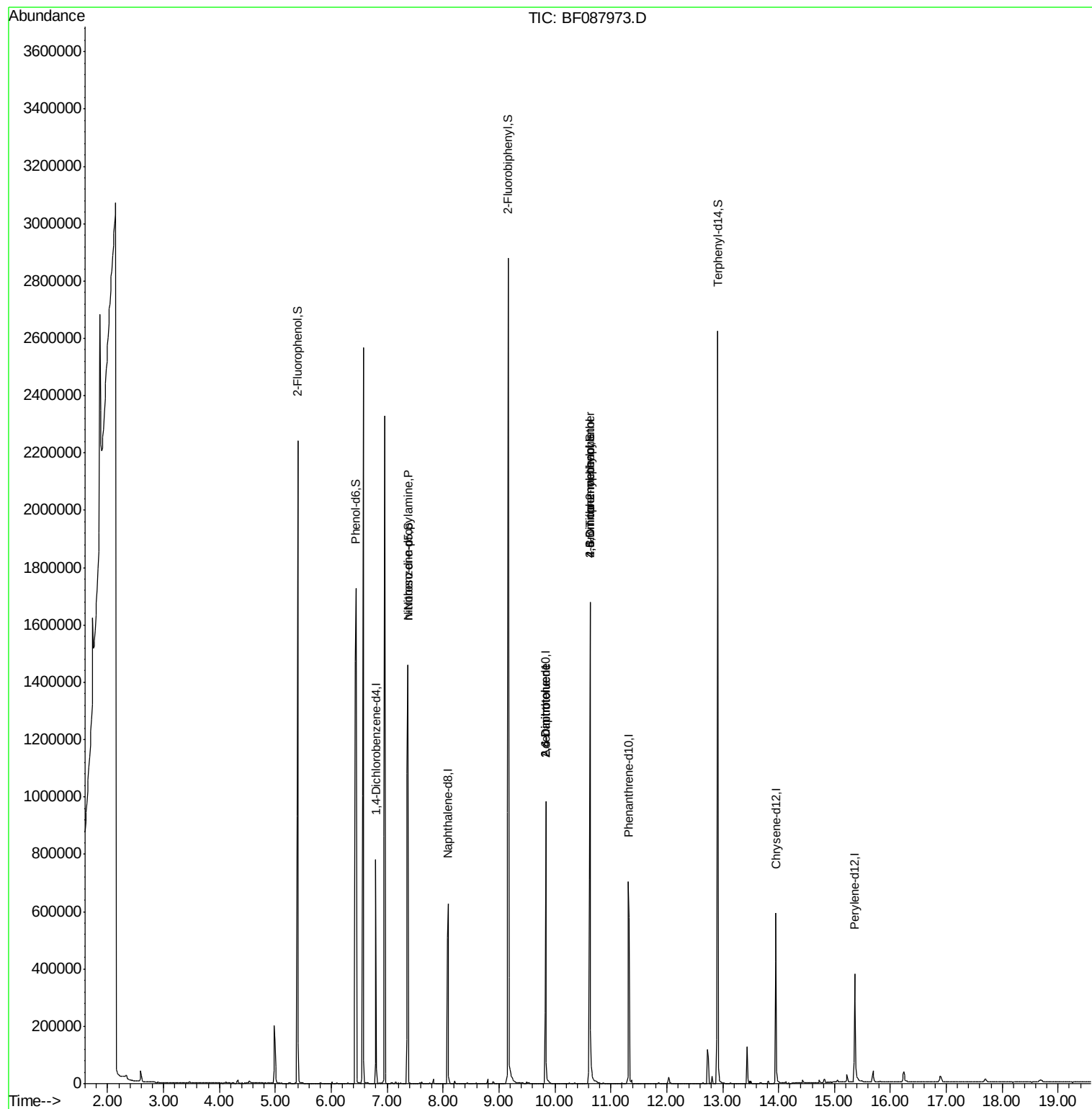
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108429	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	420302	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	211017	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	376649	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	286882	20.00	ng	-0.01
86) Perylene-d12	15.36	264	226759	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	697009	109.89	ng	0.01
7) Phenol-d6	6.44	99	951455	123.78	ng	0.00
23) Nitrobenzene-d5	7.37	82	653903	90.85	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	233585	104.84	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1070277	79.31	ng	-0.01
78) Terphenyl-d14	12.91	244	1058283	83.94	ng	-0.01
Target Compounds						
10) Phenol	6.57	94	1464	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	84716	17.23	ng	# 69
45) 1,1'-Biphenyl	9.27	154	814	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.84	165	26275	7.51	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	26271	5.84	ng	# 37
57) Fluorene	10.39	166	620	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.63	198	366	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15564	3.85	ng	# 1

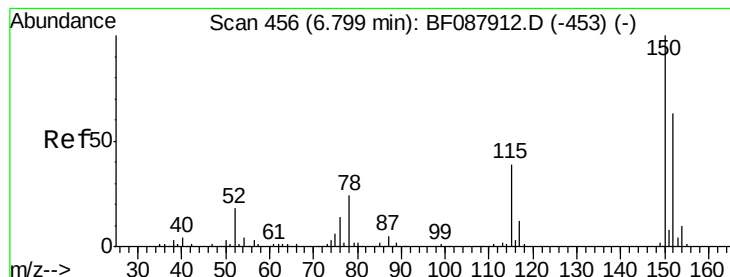
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087973.D

Acq: 13 Jun 2016 3:20

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

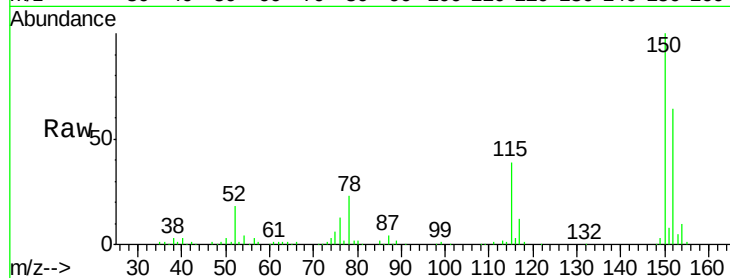
Tgt Ion:152 Resp: 108429

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

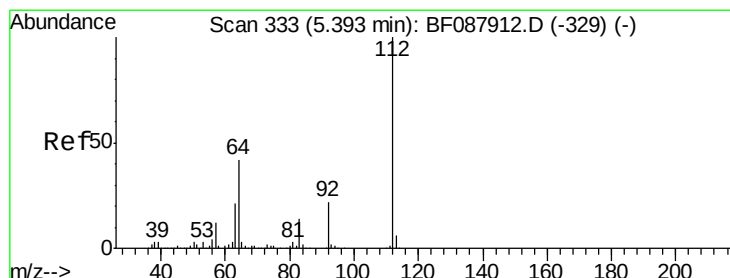
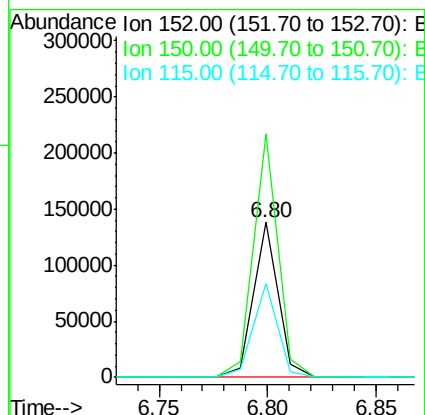
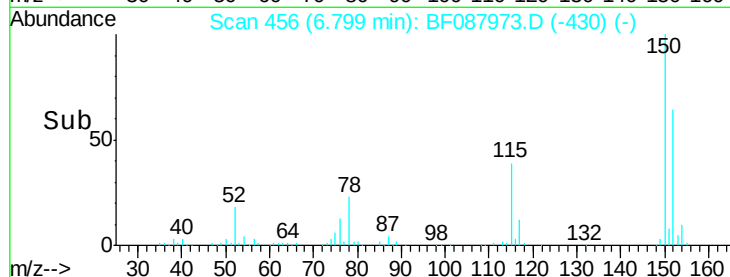
115 60.7 39.6 59.4#



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



#5

2-Fluorophenol

Concen: 109.89 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF087973.D

Acq: 13 Jun 2016 3:20

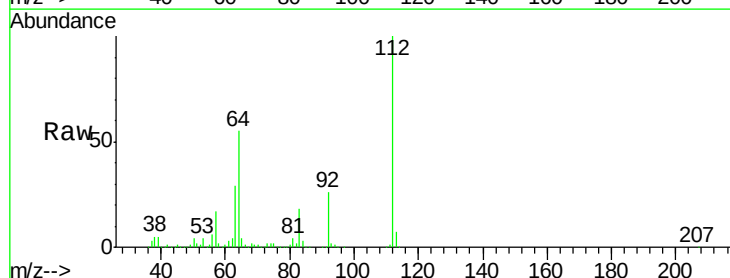
Tgt Ion:112 Resp: 697009

Ion Ratio Lower Upper

112 100

64 55.1 42.2 63.2

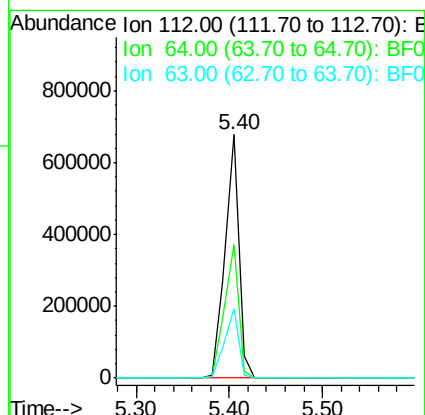
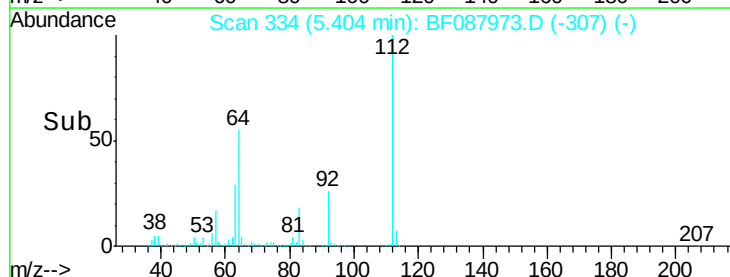
63 28.6 21.8 32.8

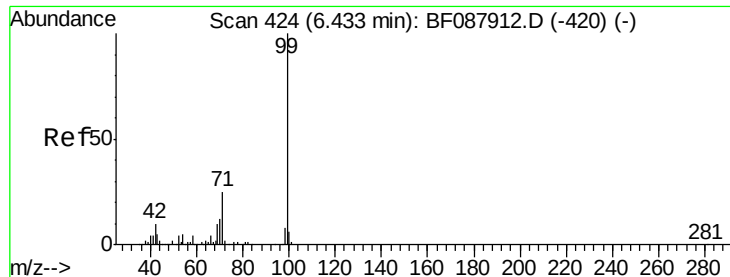


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.78 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF087973.D

Acq: 13 Jun 2016 3:20

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

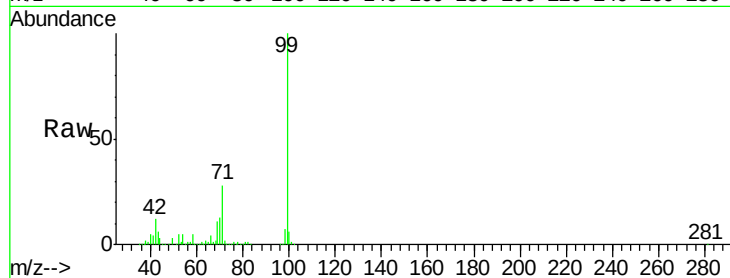
Tgt Ion: 99 Resp: 951455

Ion Ratio Lower Upper

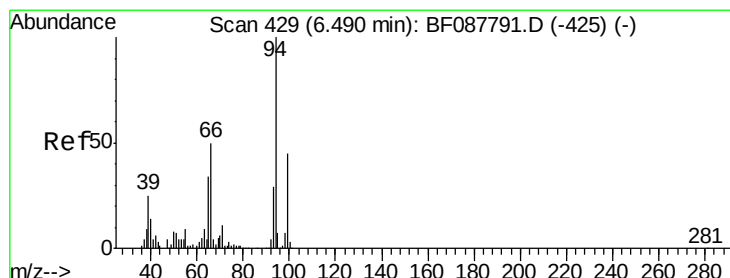
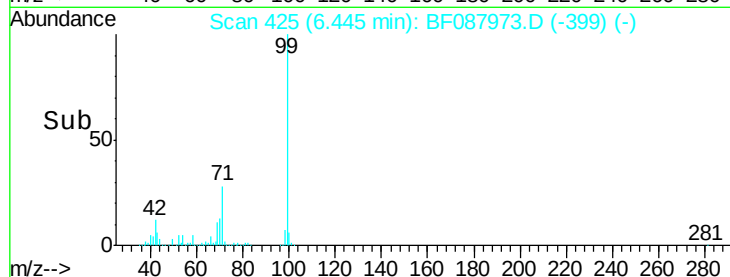
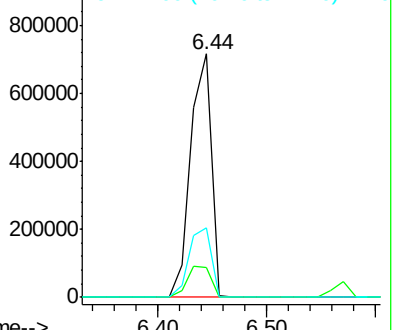
99 100

42 12.2 12.2 18.2

71 28.4 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



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087973.D

Acq: 13 Jun 2016 3:20

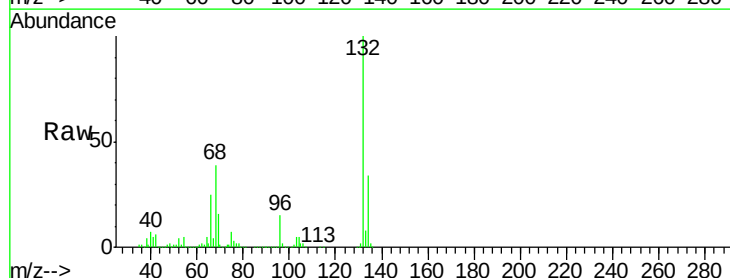
Tgt Ion: 94 Resp: 1464

Ion Ratio Lower Upper

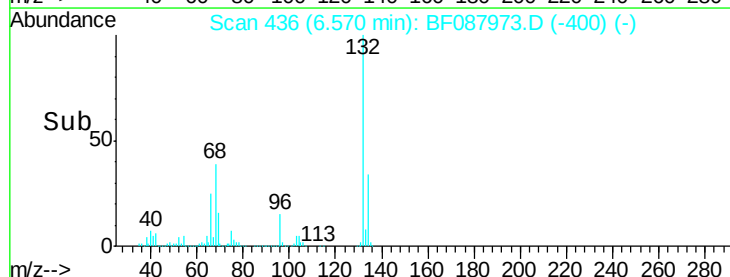
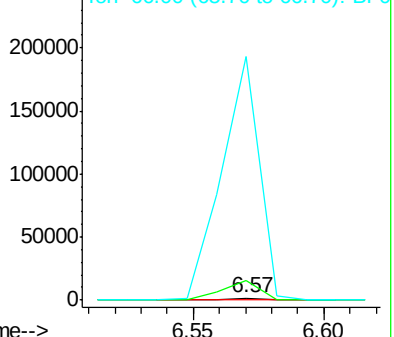
94 100

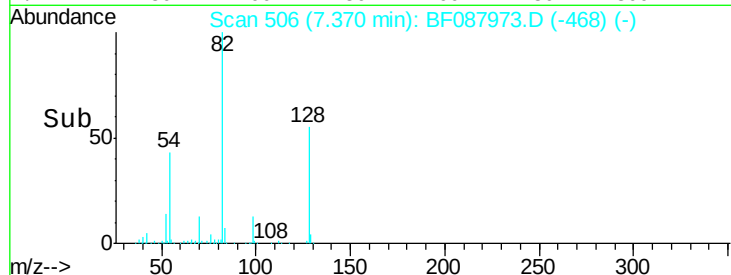
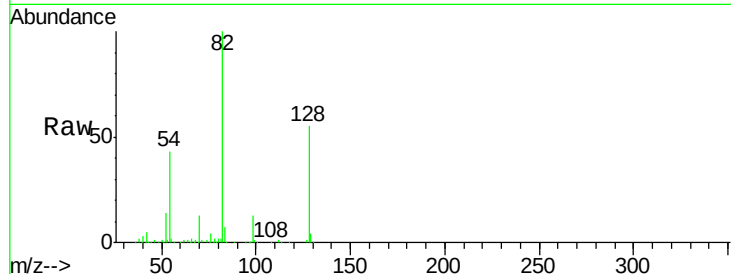
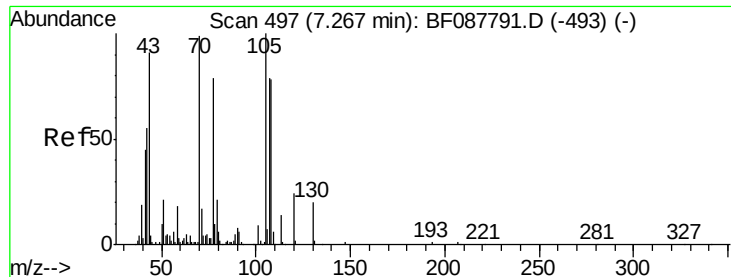
65 1064.6 5.9 45.9#

66 13239.0 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

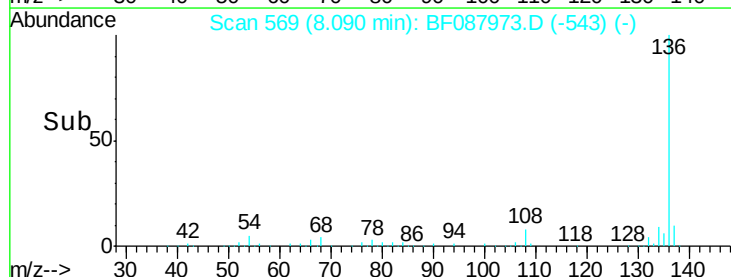
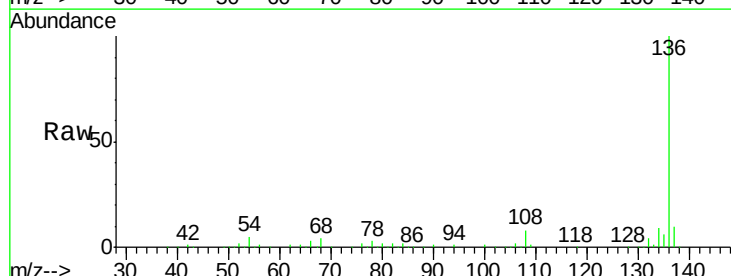
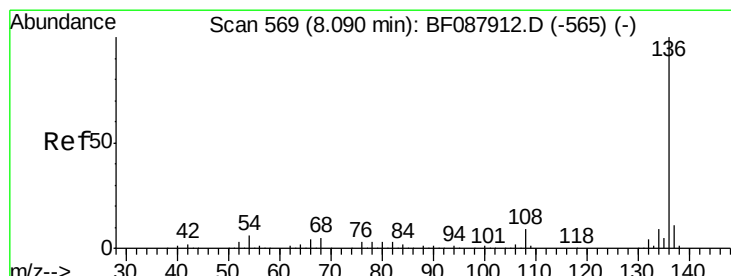
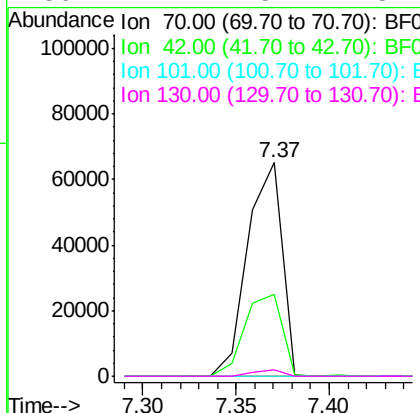




#19
n-Nitroso-di-n-propylamine
Concen: 17.23 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

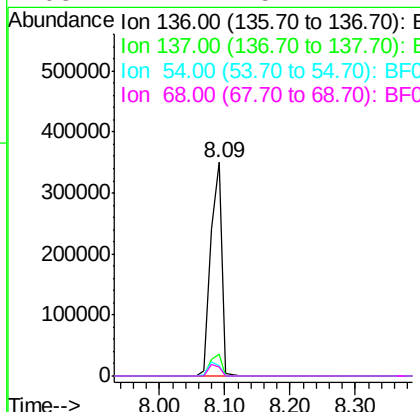
Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

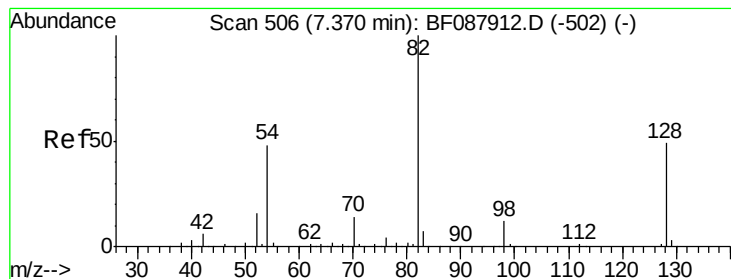
Tgt Ion: 70 Resp: 84716
Ion Ratio Lower Upper
70 100
42 38.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

Tgt Ion: 136 Resp: 420302
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 4.7 6.6 10.0#
68 4.2 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 90.85 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF087973.D

Acq: 13 Jun 2016 3:20

Instrument :

BNA_F

ClientSampleId :

STA-1172-(0-4)

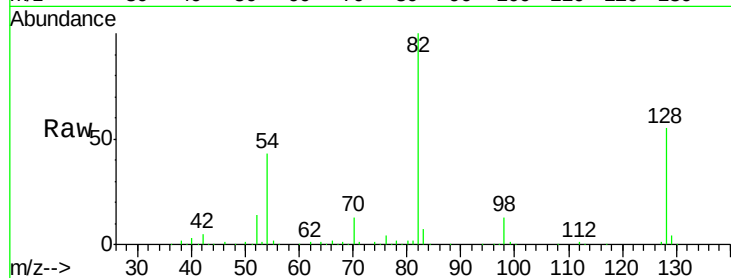
Tgt Ion: 82 Resp: 653903

Ion Ratio Lower Upper

82 100

128 54.8 35.9 53.9#

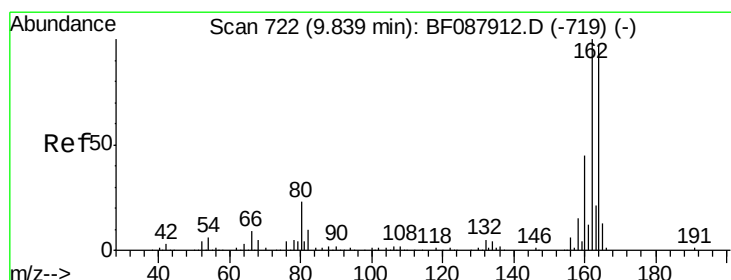
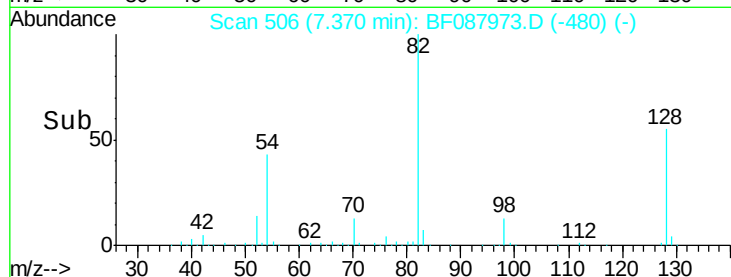
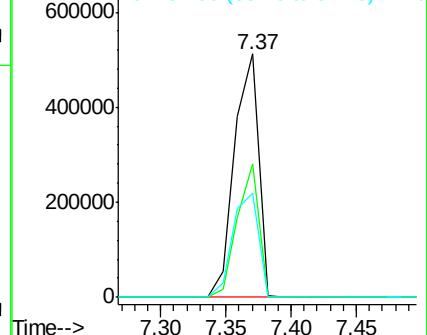
54 42.9 40.9 61.3



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: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF087973.D

Acq: 13 Jun 2016 3:20

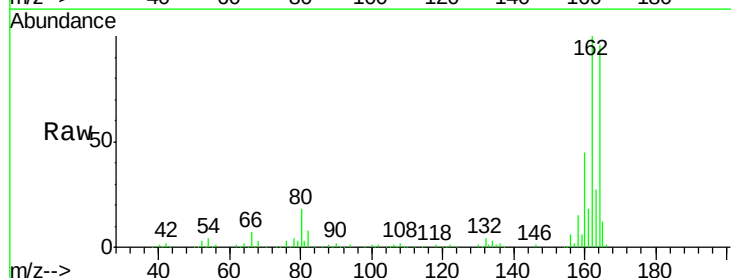
Tgt Ion: 164 Resp: 211017

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

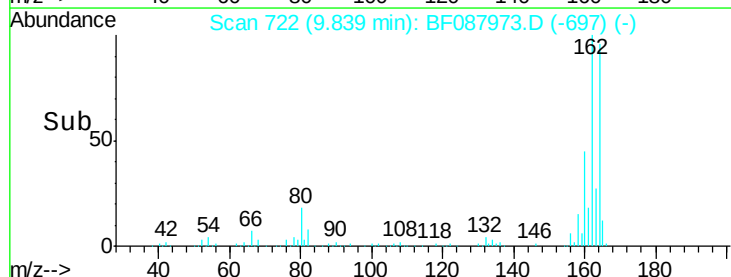
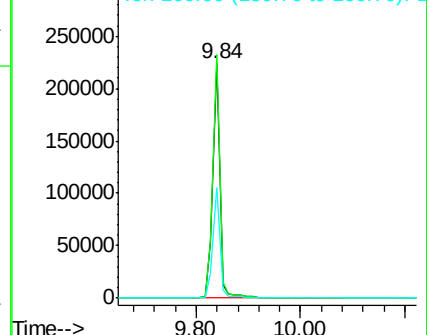
160 47.3 39.5 59.3

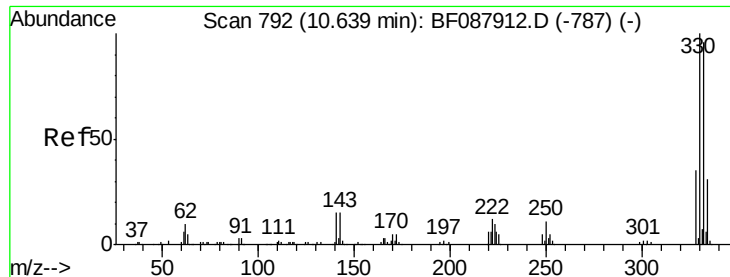


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

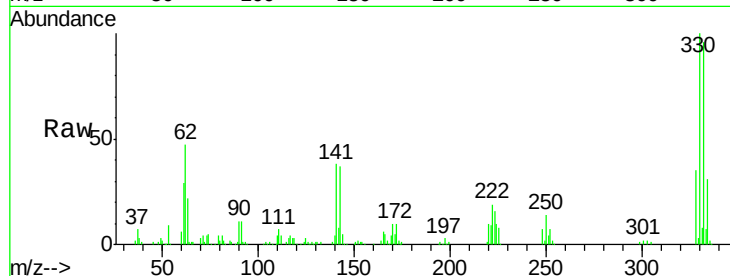




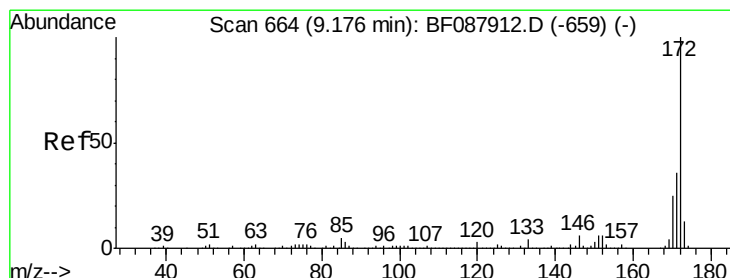
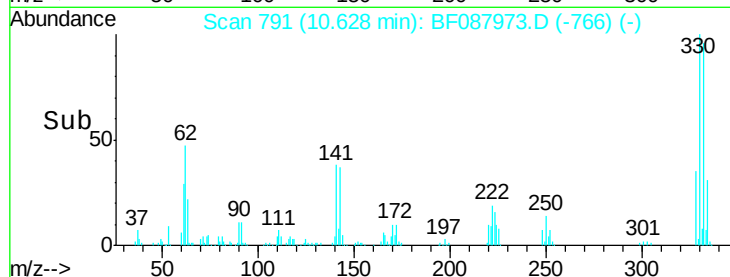
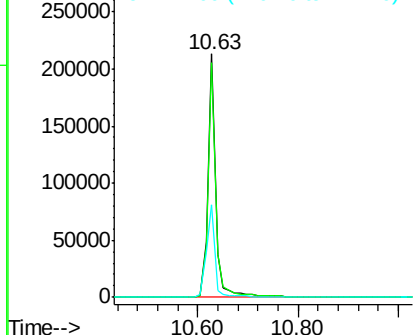
#41
 2,4,6-Tribromophenol
 Concen: 104.84 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Tgt Ion:330 Resp: 233585
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 41.7 0.0 0.0#

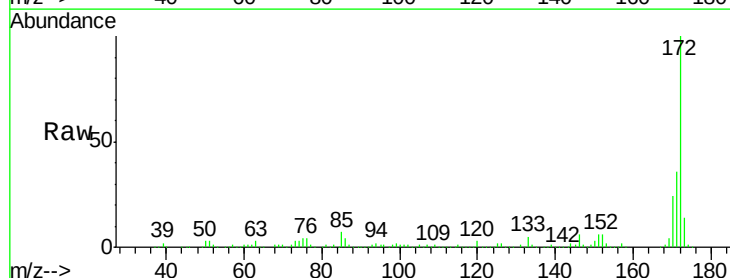


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

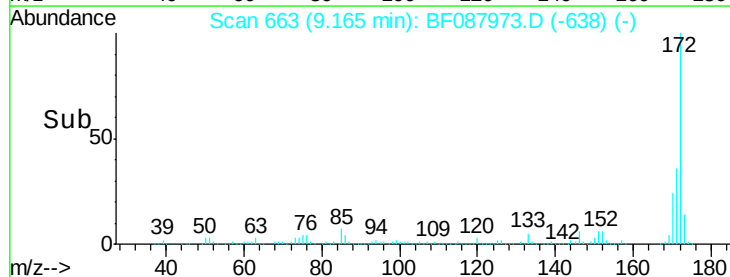
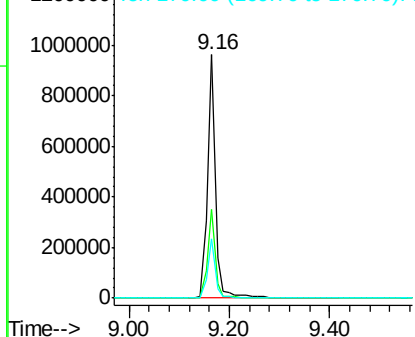


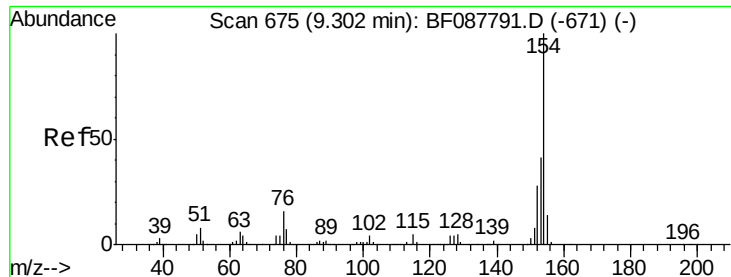
#44
 2-Fluorobiphenyl
 Concen: 79.31 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Tgt Ion:172 Resp: 1070277
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

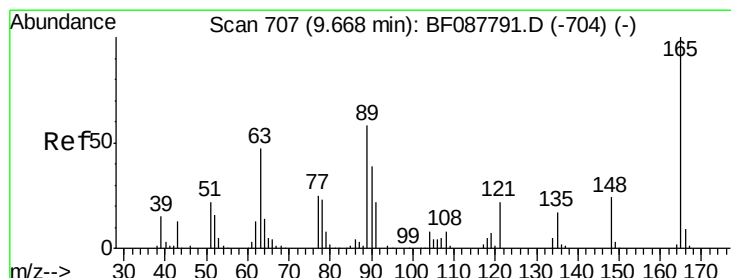
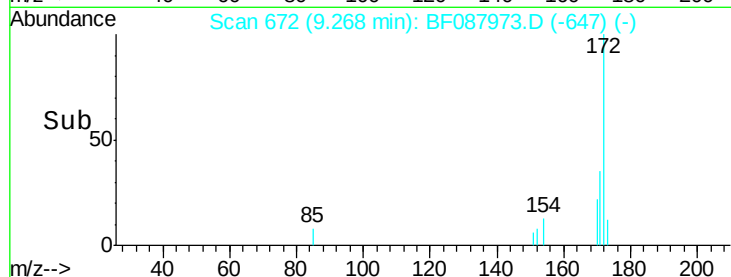
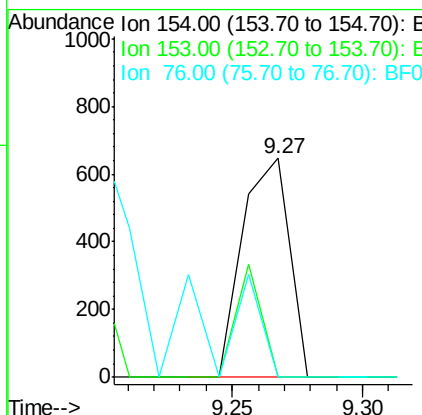
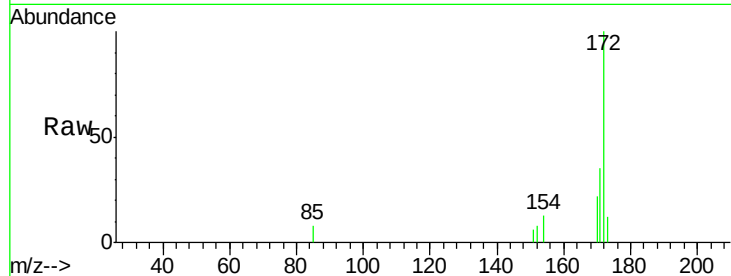




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

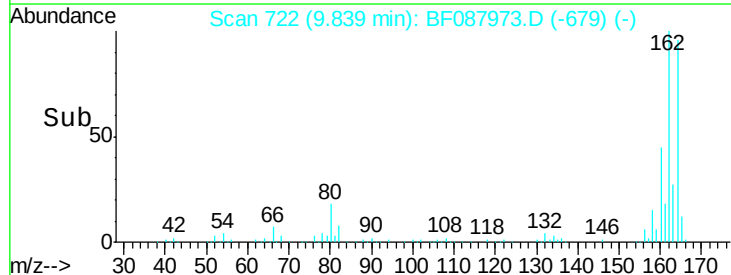
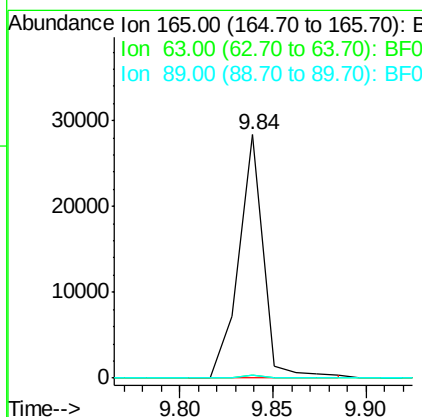
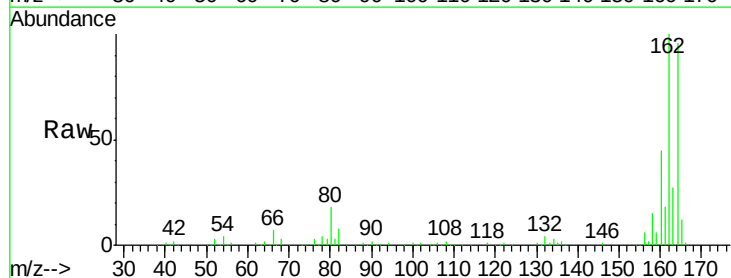
Instrument :
 BNA_F
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 STA-1172-(0-4)

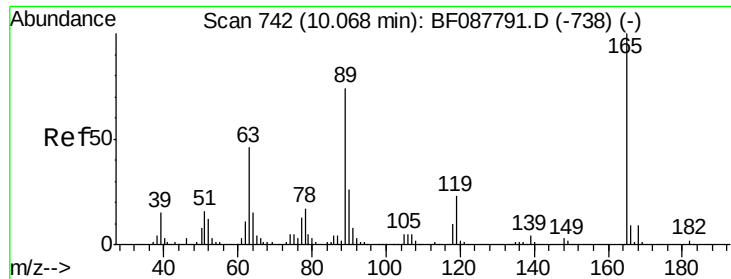
Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1



#50
 2,6-Dinitrotoluene
 Concen: 7.51 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.19 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.1	42.1#
89	1.4	32.2	48.2#

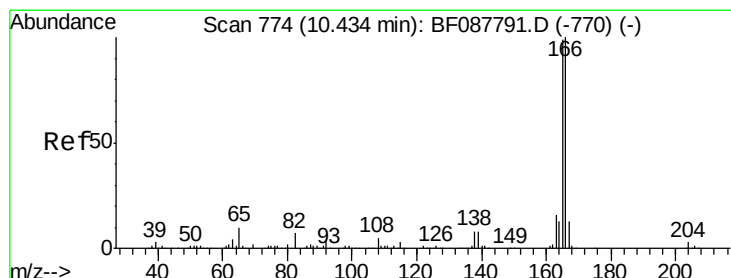
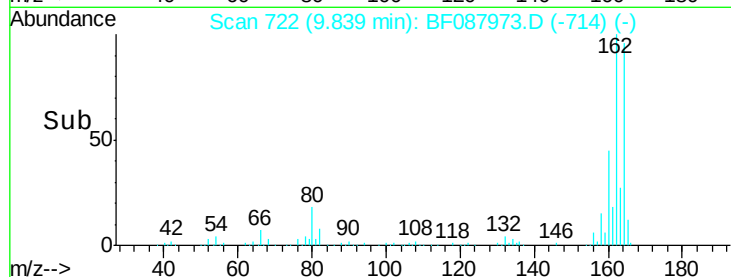
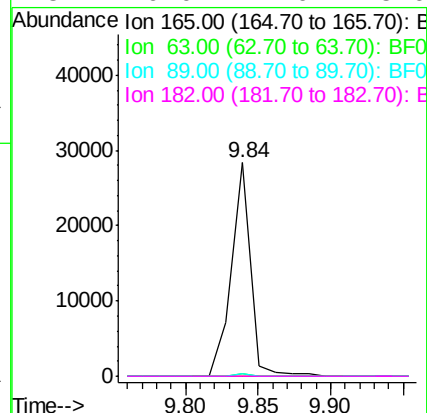
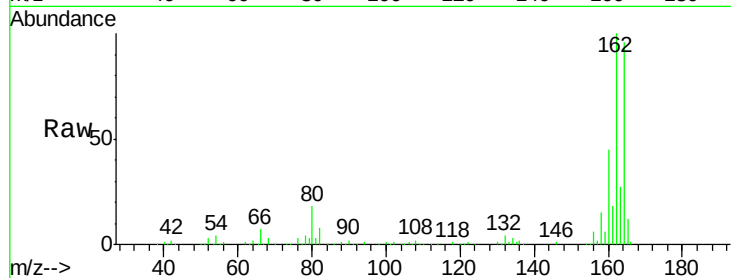




#56
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.21 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

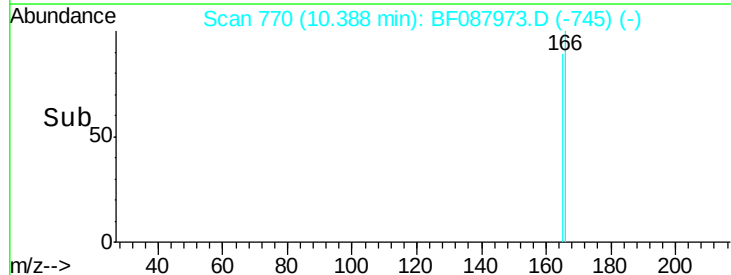
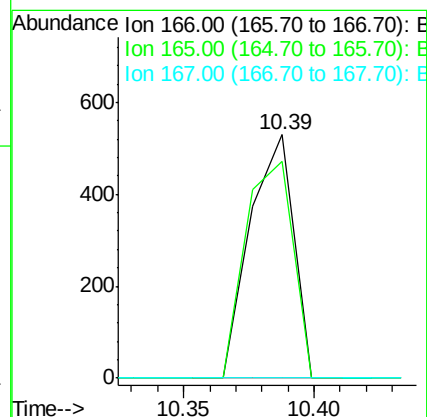
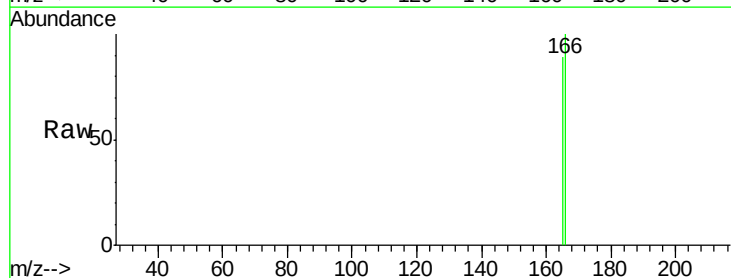
Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

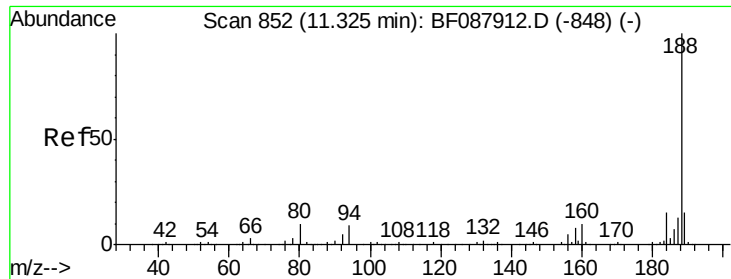
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.1	77.8	116.8
167	0.0	11.2	16.8#

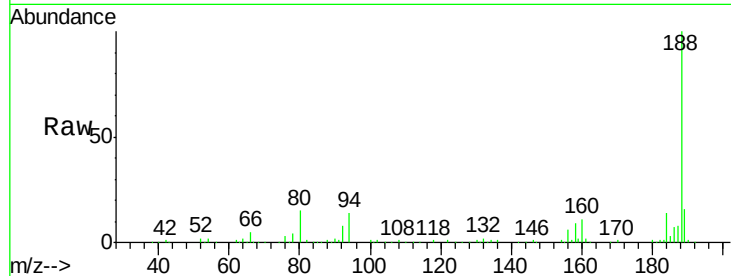




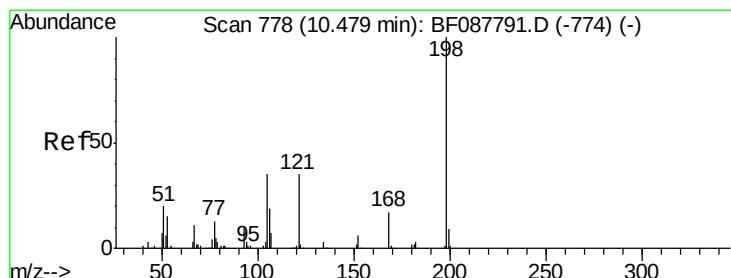
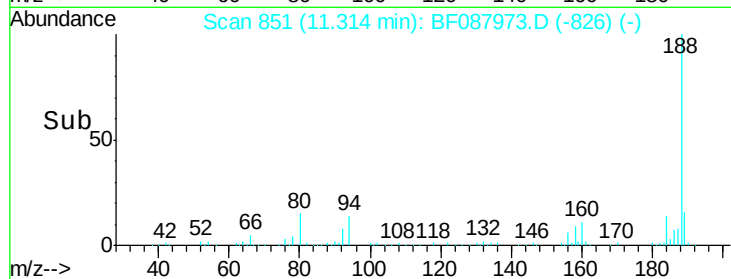
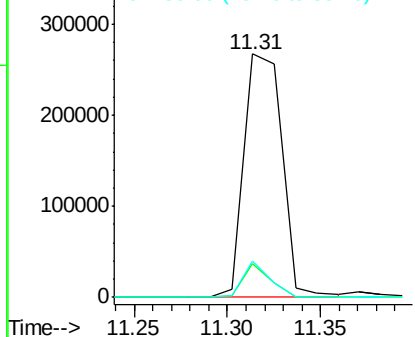
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Tgt Ion:188 Resp: 376649
 Ion Ratio Lower Upper
 188 100
 94 13.6 9.0 13.6#
 80 15.0 10.0 15.0

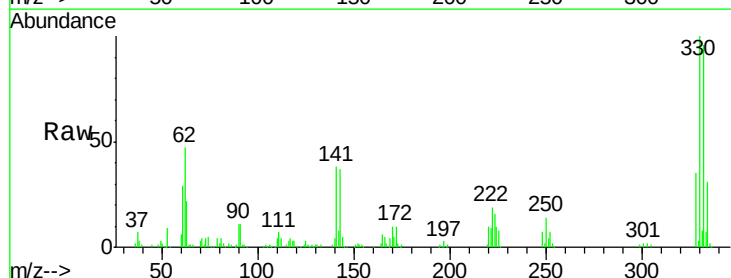


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

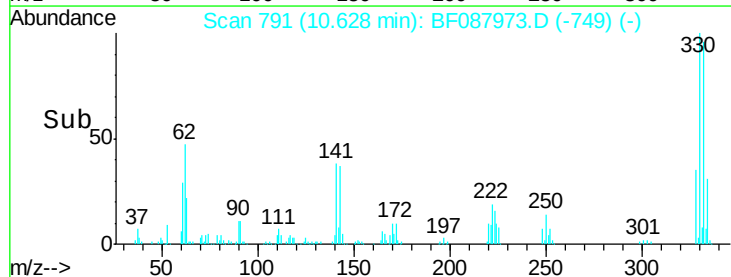
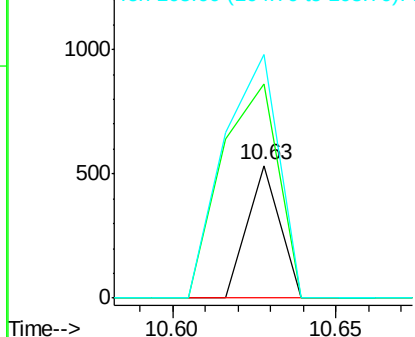


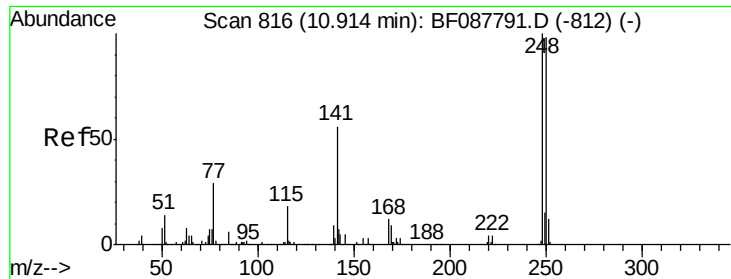
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.31 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.18 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Tgt Ion:198 Resp: 366
 Ion Ratio Lower Upper
 198 100
 51 161.8 39.6 79.6#
 105 183.5 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

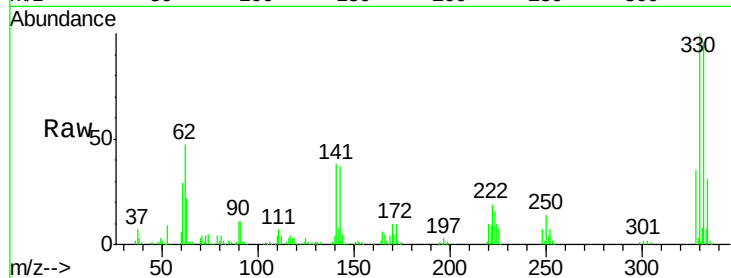




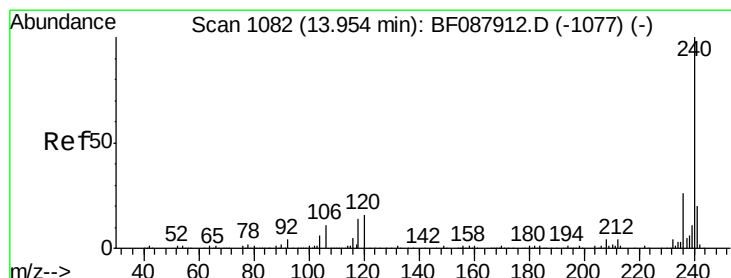
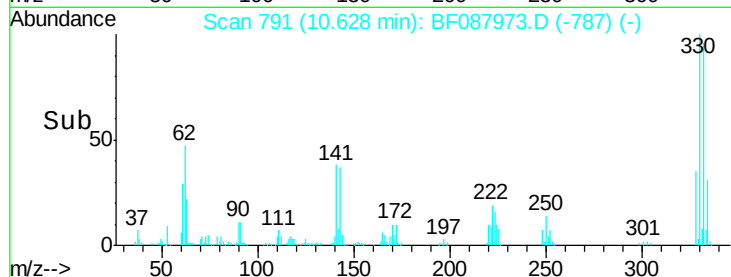
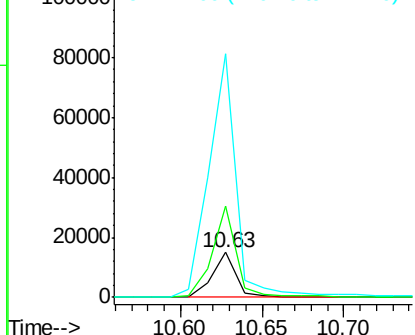
#66
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

Instrument :
BNA_F
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:248 Resp: 15564
Ion Ratio Lower Upper
248 100
250 202.9 77.1 115.7#
141 539.8 50.6 76.0#

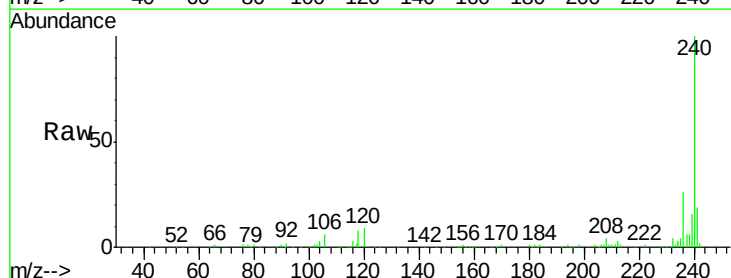


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

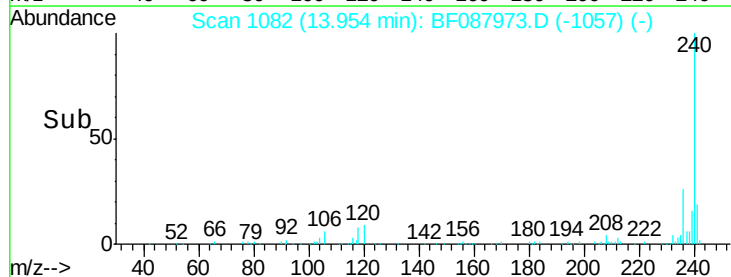
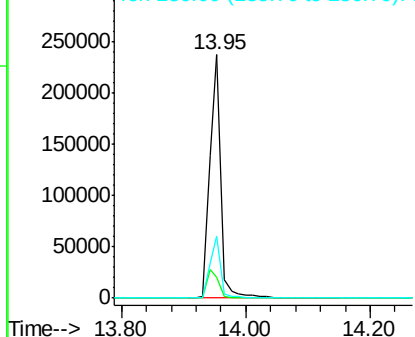


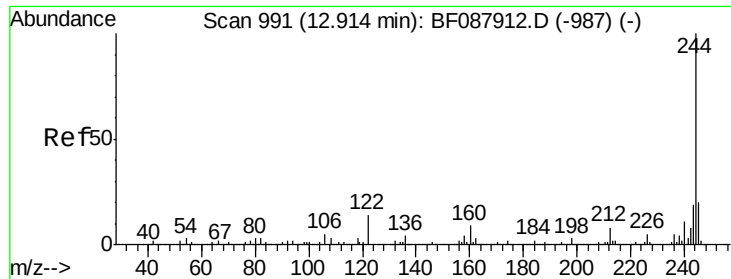
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF087973.D
Acq: 13 Jun 2016 3:20

Tgt Ion:240 Resp: 286882
Ion Ratio Lower Upper
240 100
120 8.7 6.8 10.2
236 25.5 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

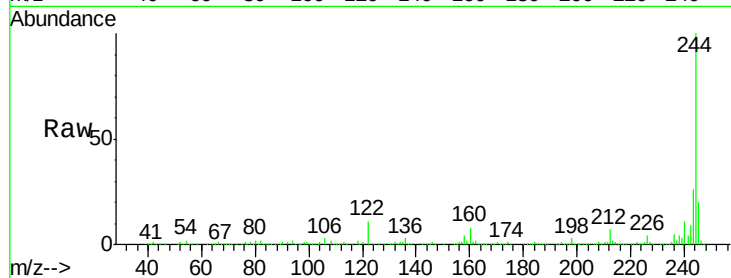




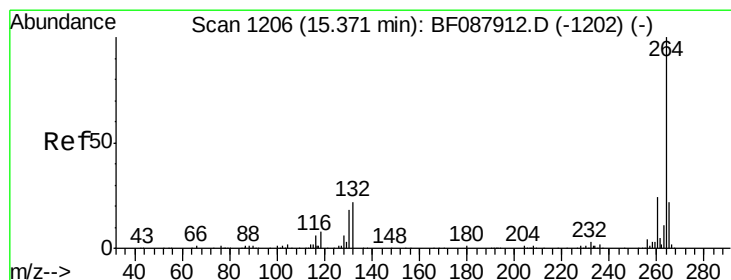
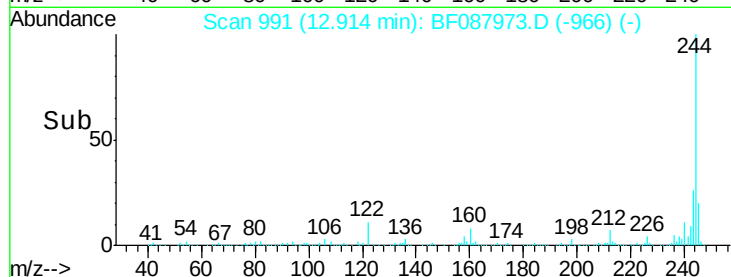
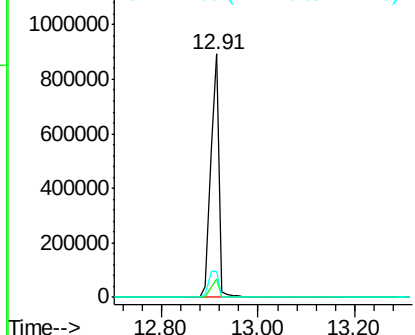
#78
 Terphenyl-d14
 Concen: 83.94 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 STA-1172-(0-4)

Tgt Ion:244 Resp: 1058283
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.9 11.2 16.8#

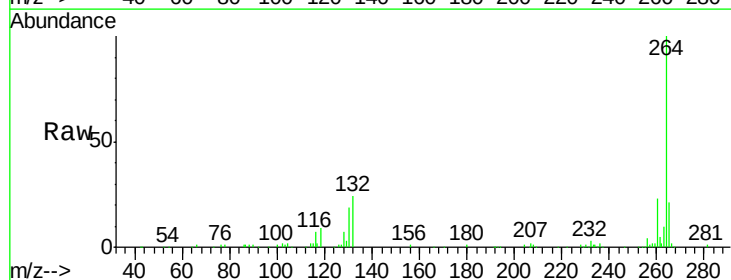


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF087973.D
 Acq: 13 Jun 2016 3:20

Tgt Ion:264 Resp: 226759
 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

