

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088201.D
 Acq On : 21 Jun 2016 6:05
 Operator : UM/SJ
 Sample : H3611-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP4-COMP

Quant Time: Jun 21 06:51:10 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	6.67	152	82703	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	346232	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	156834	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	315351	20.00	ng	0.00
75) Chrysene-d12	13.81	240	243218	20.00	ng	0.00
86) Perylene-d12	15.18	264	104787	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	660717	136.58	ng	0.02
7) Phenol-d6	6.33	99	770551	131.43	ng	0.00
23) Nitrobenzene-d5	7.23	82	487809	82.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	215031	129.85	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	886667	89.08	ng	-0.01
78) Terphenyl-d14	12.77	244	931773	87.18	ng	0.00

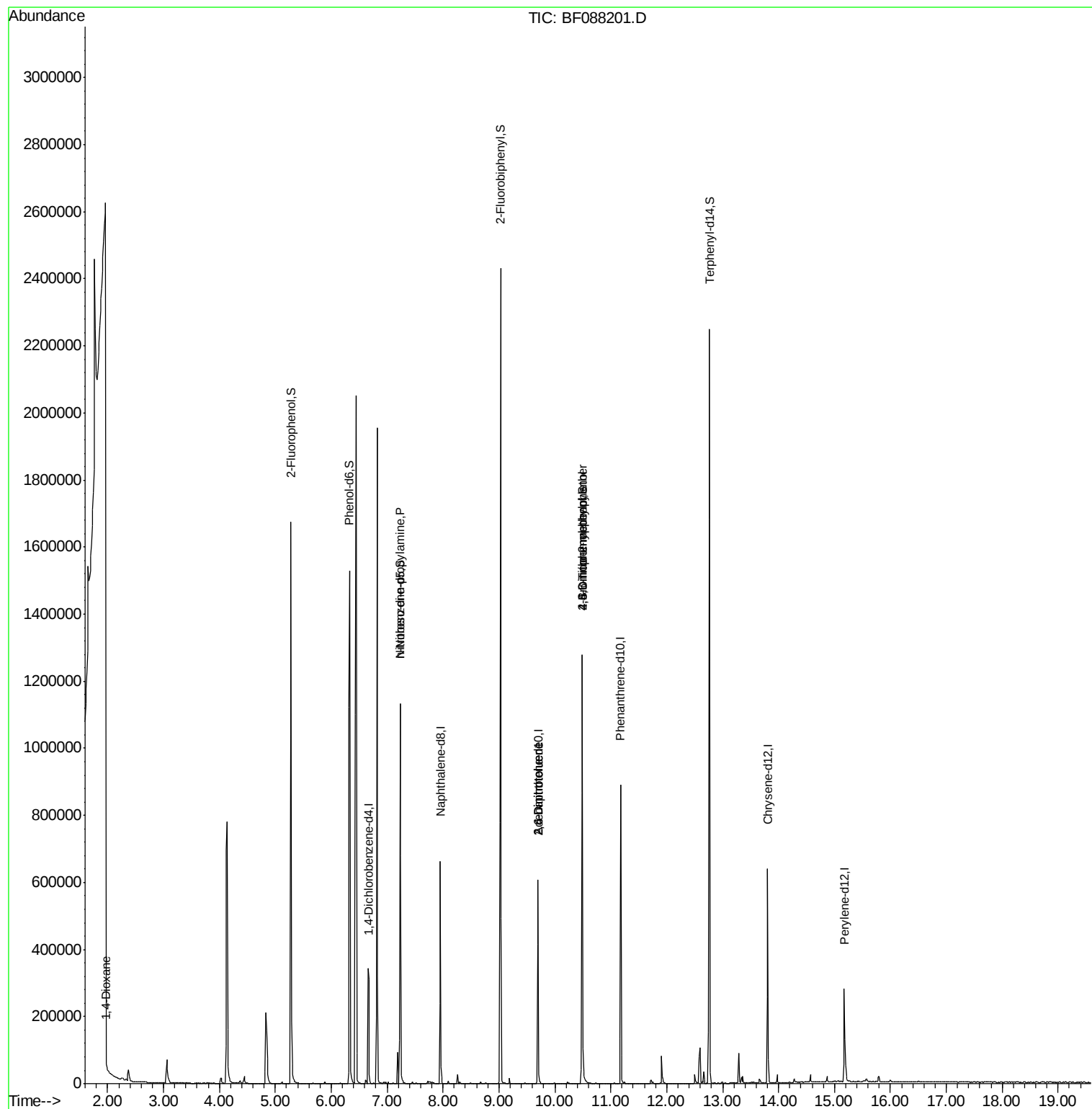
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.98	88	7087	3.01	ng	# 87
10) Phenol	6.44	94	1240	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.23	70	61602	16.42	ng	# 71
45) 1,1'-Biphenyl	9.13	154	398	Below Cal		# 43
50) 2,6-Dinitrotoluene	9.70	165	19526	7.50	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	19526	5.84	ng	# 36
57) Fluorene	10.25	166	1542	Below Cal		# 90
64) 4,6-Dinitro-2-methylphenol	10.49	198	254	2.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	14179	4.19	ng	# 1

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

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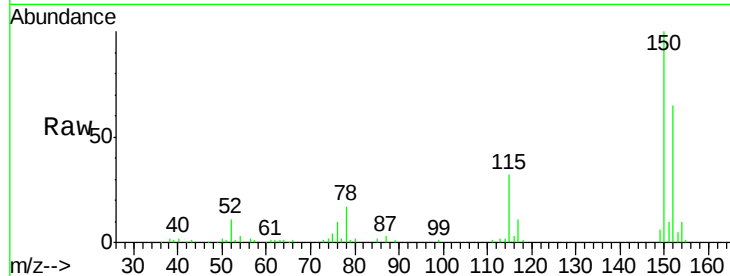




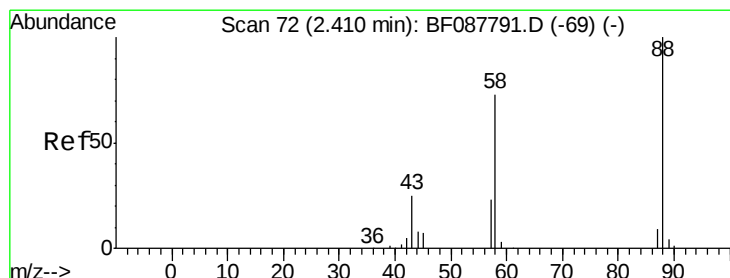
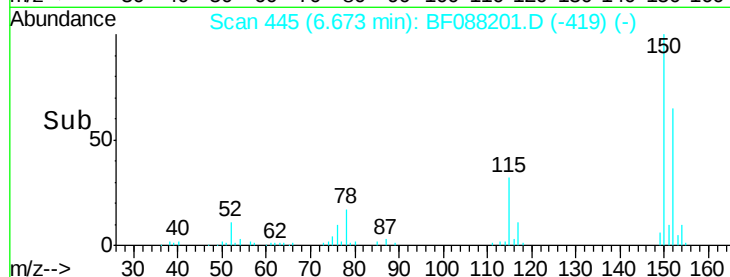
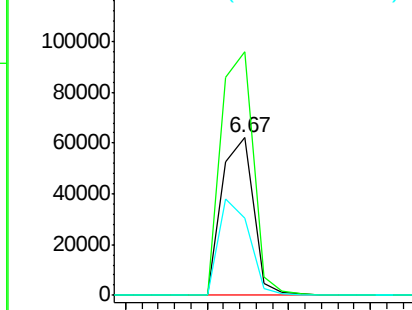
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP4-COMP

Tgt Ion:152 Resp: 82703
 Ion Ratio Lower Upper
 152 100
 150 154.5 123.8 185.6
 115 49.1 39.6 59.4

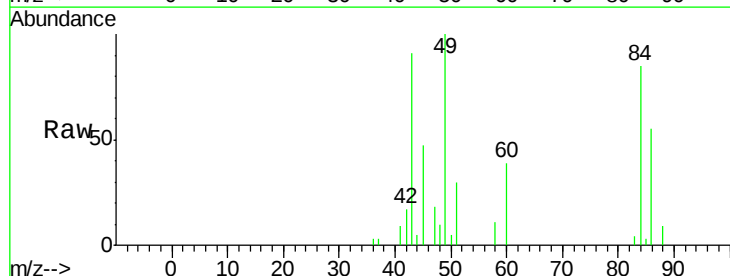


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

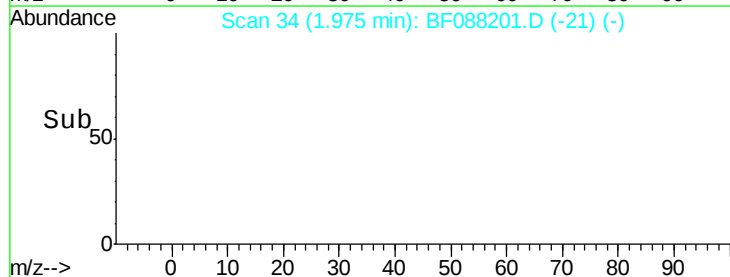
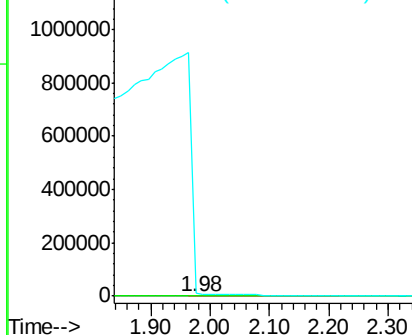


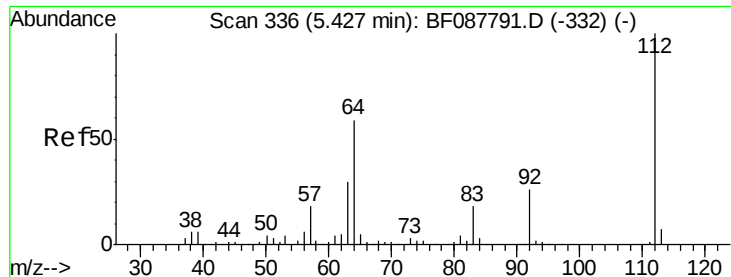
#2
 1,4-Dioxane
 Concen: 3.01 ng
 RT: 1.98 min Scan# 34
 Delta R.T. -0.15 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Tgt Ion: 88 Resp: 7087
 Ion Ratio Lower Upper
 88 100
 58 41.6 0.0 0.0#
 43 0.0 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 136.58 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

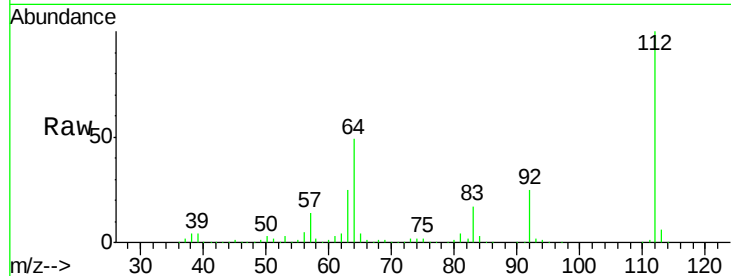
Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

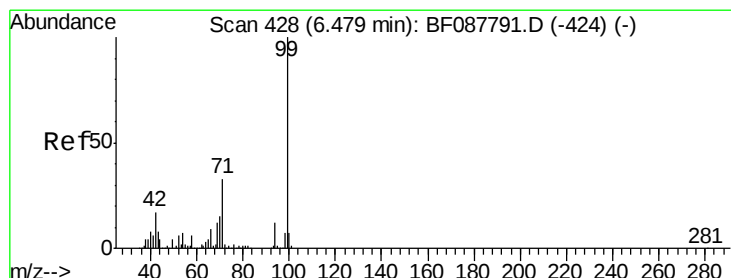
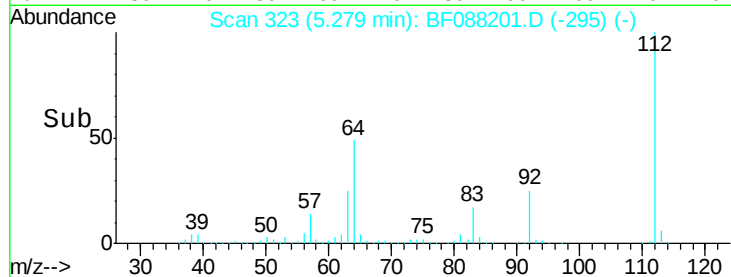
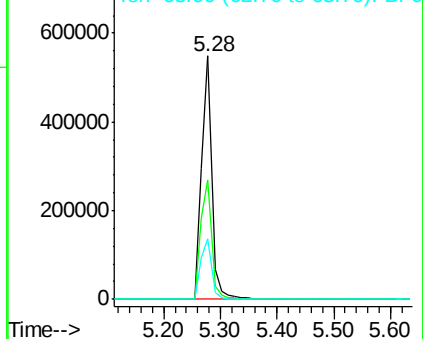
Tgt Ion:	112	Resp:	660717
Ion	Ratio	Lower	Upper
112	100		
64	49.0	42.2	63.2
63	25.0	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 131.43 ng

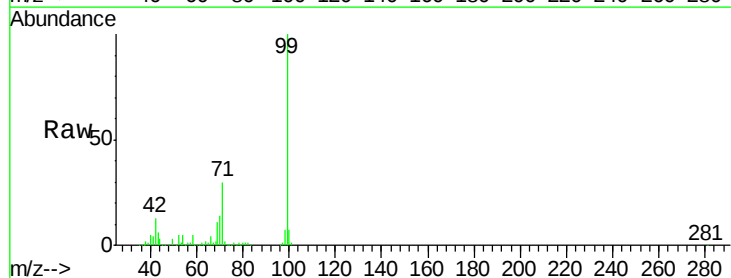
RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

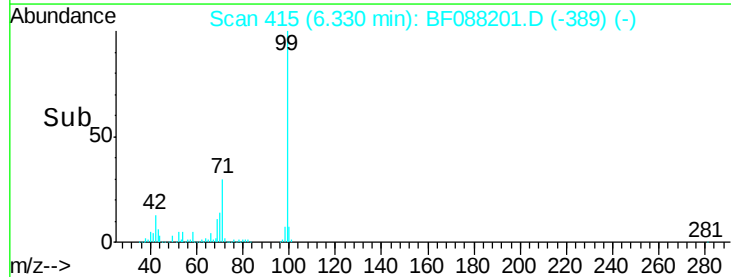
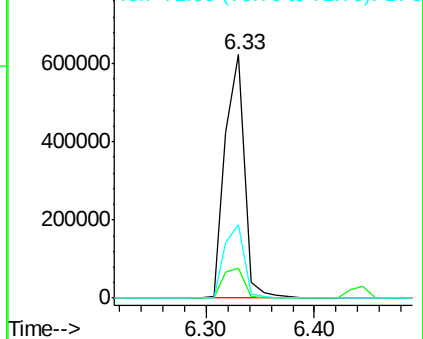
Tgt Ion:	99	Resp:	770551
Ion	Ratio	Lower	Upper
99	100		
42	12.5	12.2	18.2
71	30.1	23.4	35.0

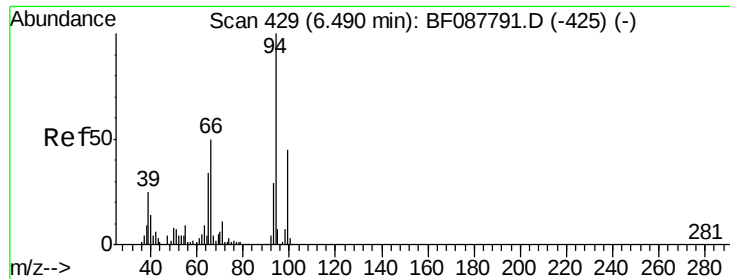


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. 0.10 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

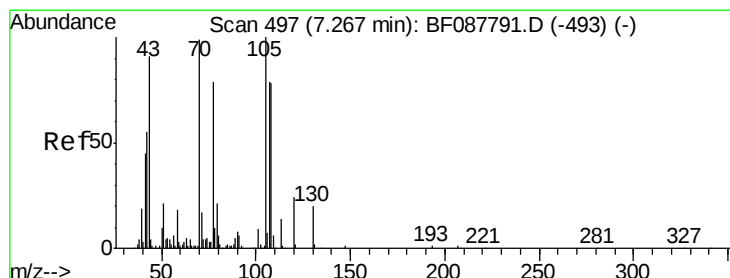
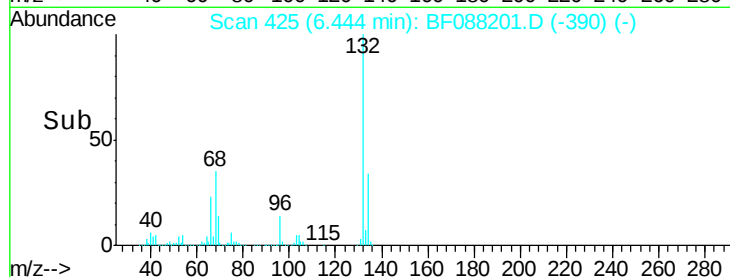
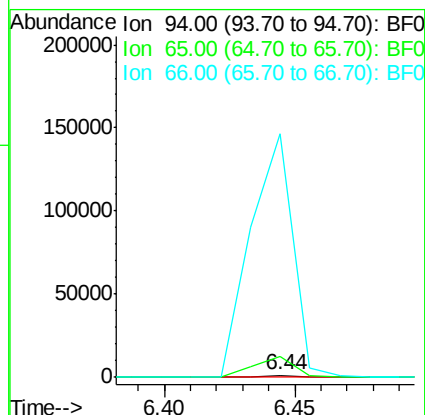
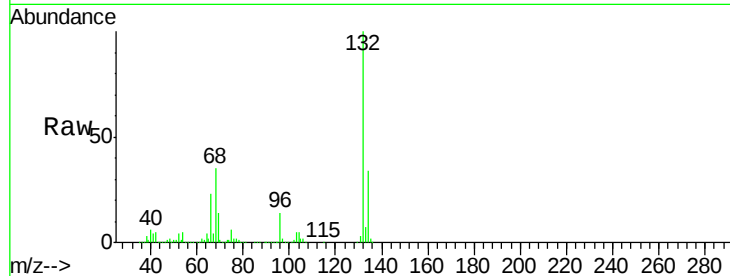
Tgt Ion: 94 Resp: 1240

Ion Ratio Lower Upper

94 100

65 1048.1 5.9 45.9#

66 12388.5 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.42 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.14 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Tgt Ion: 70 Resp: 61602

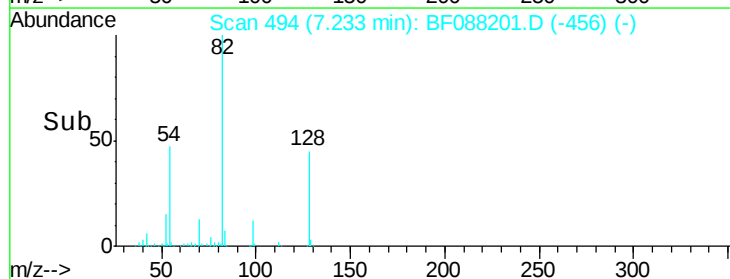
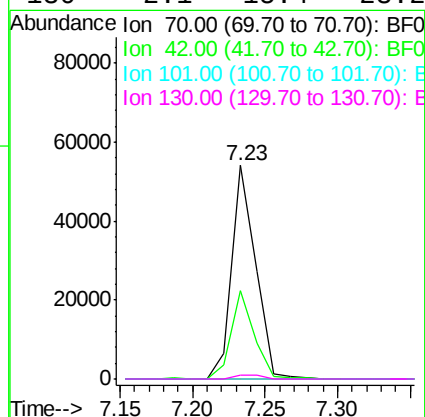
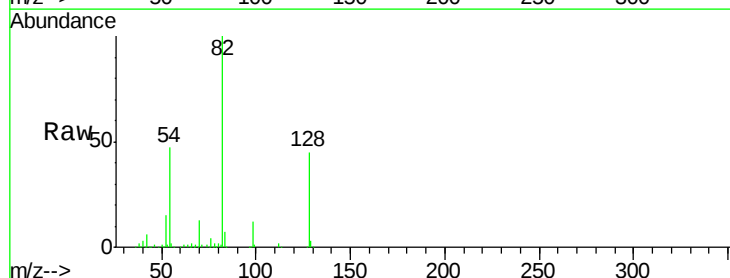
Ion Ratio Lower Upper

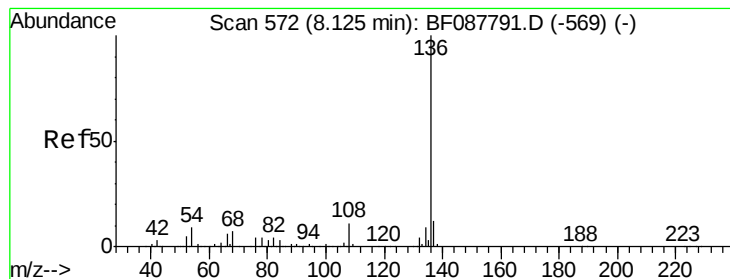
70 100

42 41.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

Tgt Ion: 136 Resp: 346232

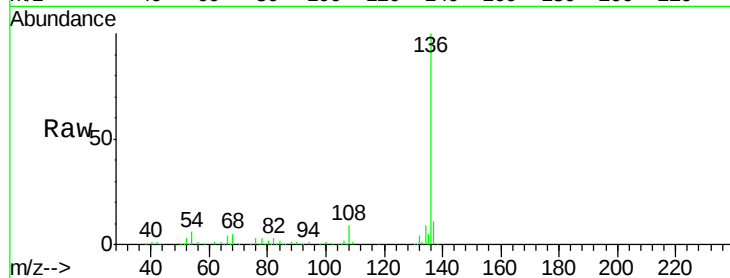
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.5 6.6 10.0#

68 4.8 5.1 7.7#

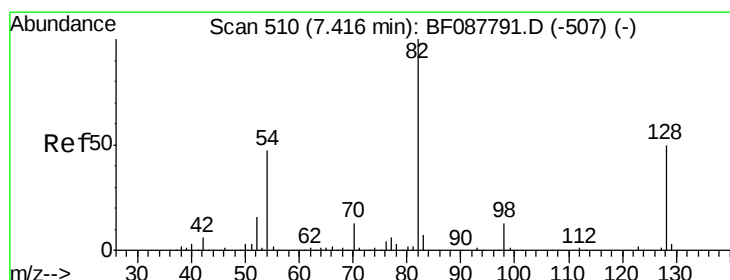
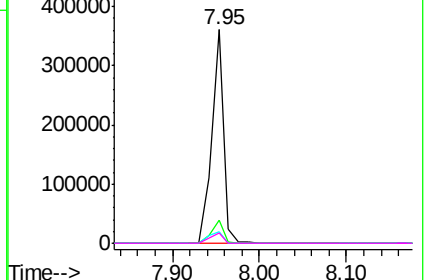
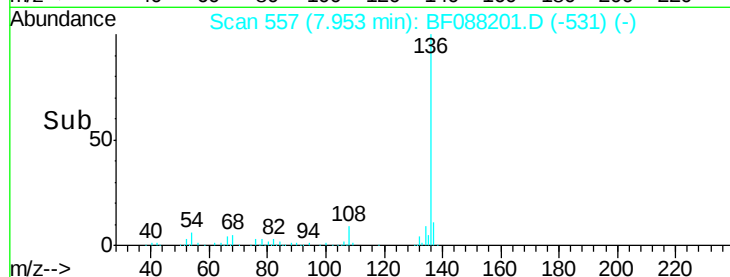


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.27 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

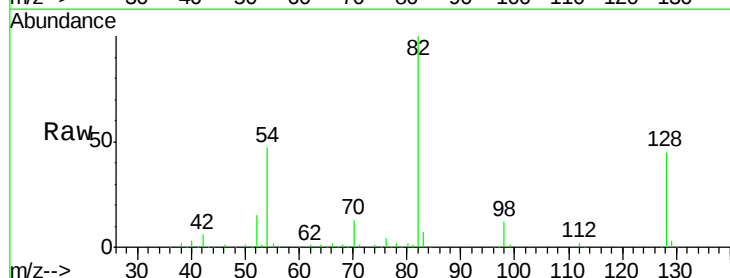
Tgt Ion: 82 Resp: 487809

Ion Ratio Lower Upper

82 100

128 45.5 35.9 53.9

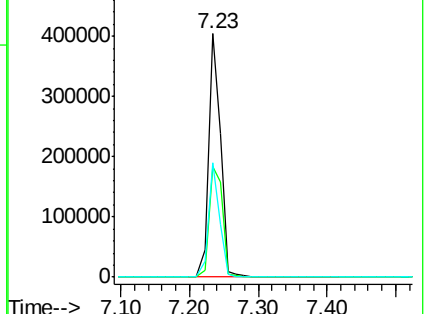
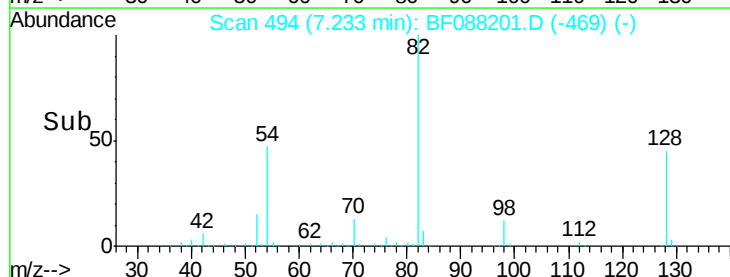
54 46.7 40.9 61.3

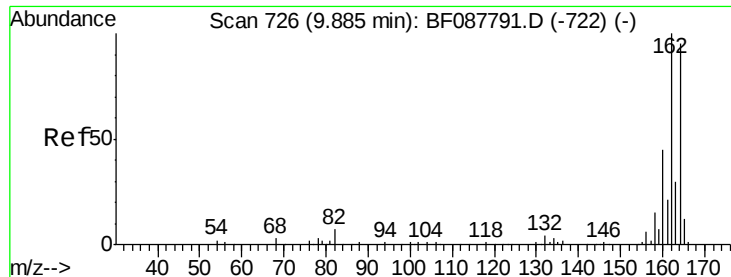


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

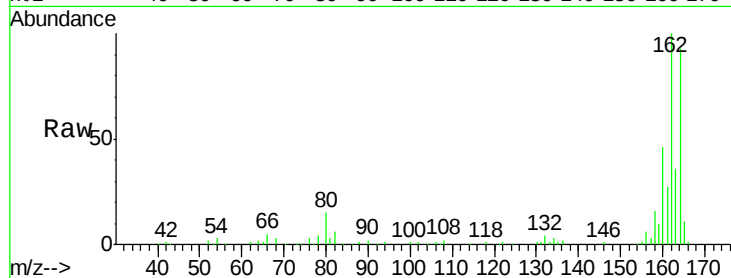




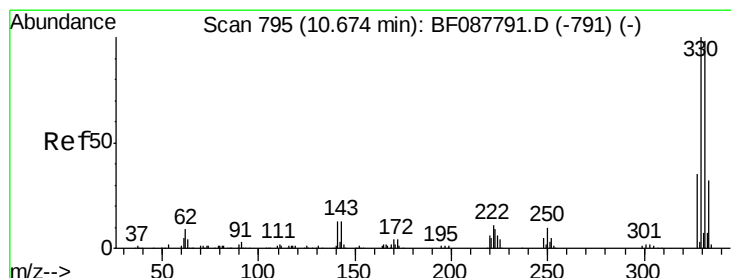
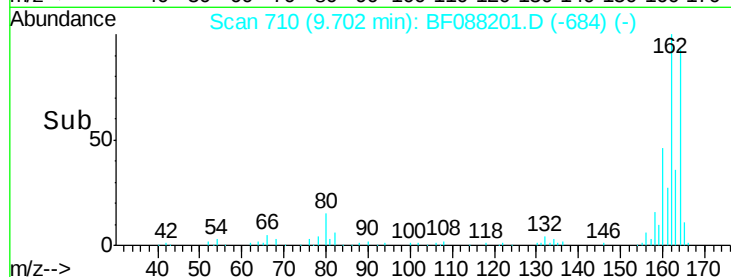
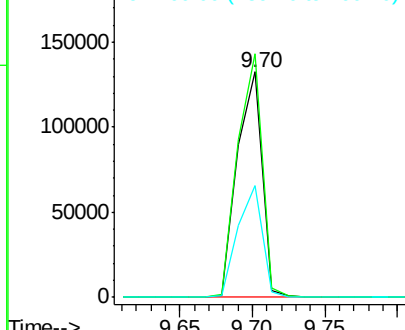
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP4-COMP

Tgt Ion:164 Resp: 156834
 Ion Ratio Lower Upper
 164 100
 162 107.9 85.4 128.2
 160 49.4 39.5 59.3

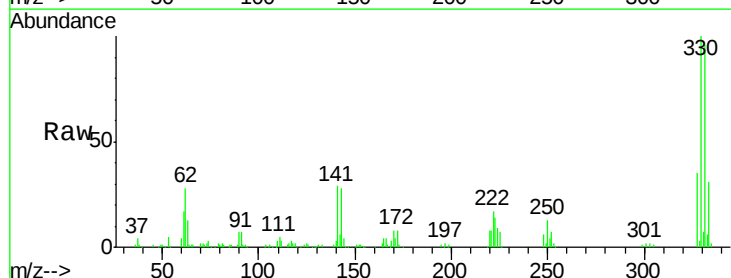


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

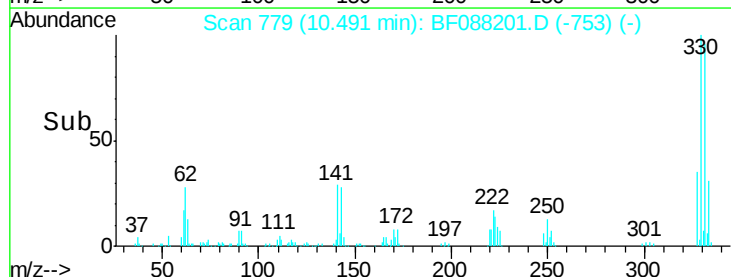
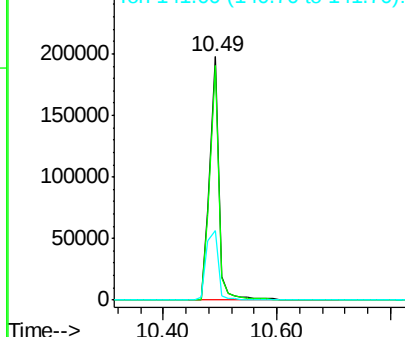


#41
 2,4,6-Tribromophenol
 Concen: 129.85 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Tgt Ion:330 Resp: 215031
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 37.6 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: 89.08 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

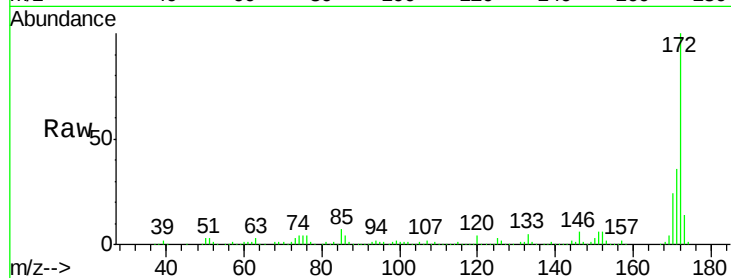
Tgt Ion:172 Resp: 886667

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

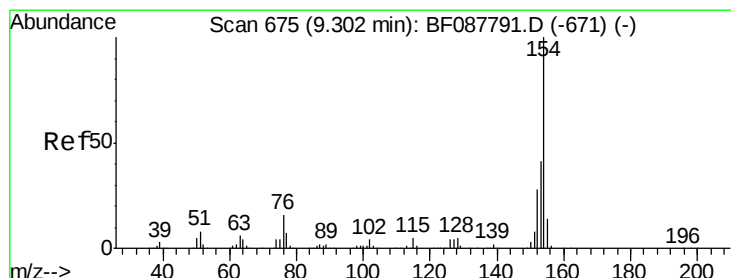
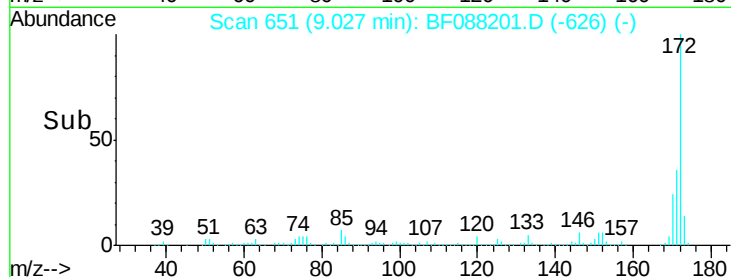
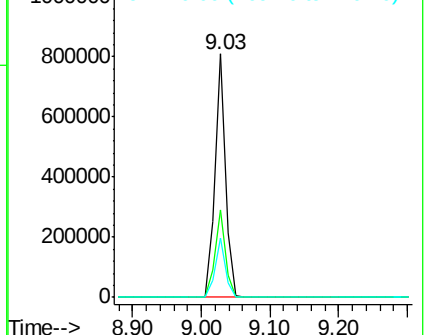
170 24.1 19.2 28.8



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: 9.13 min Scan# 660

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

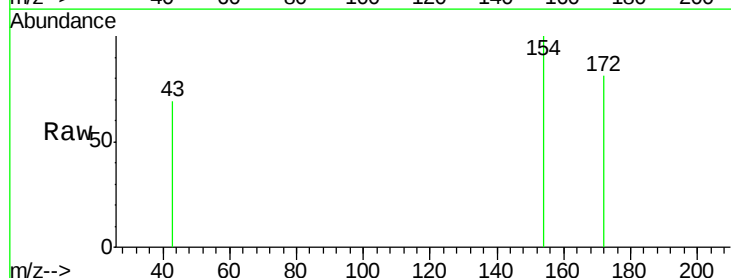
Tgt Ion:154 Resp: 398

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

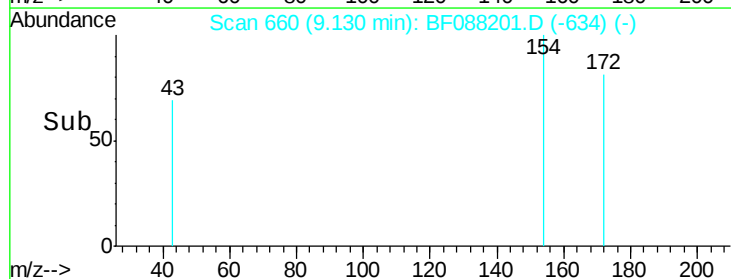
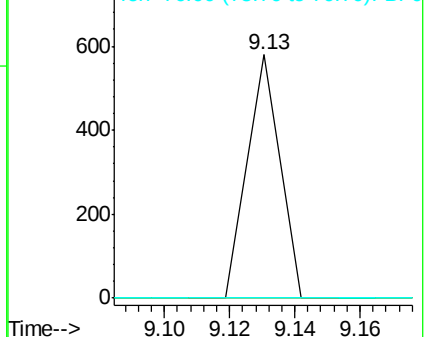
76 0.0 0.0 35.1

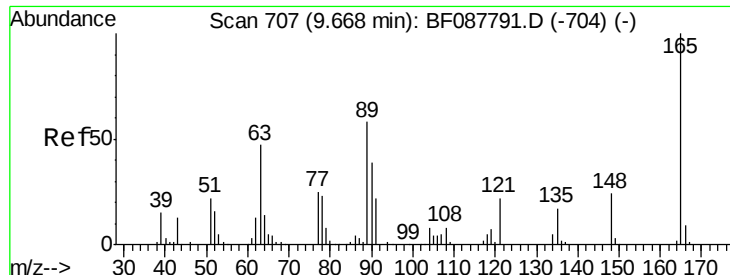


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

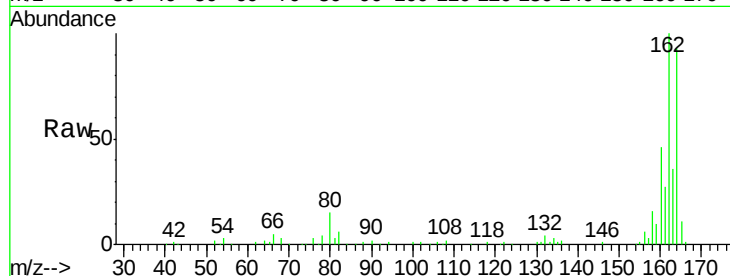




#50
 2,6-Dinitrotoluene
 Concen: 7.50 ng
 RT: 9.70 min Scan# 710
 Delta R.T. 0.19 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP4-COMP

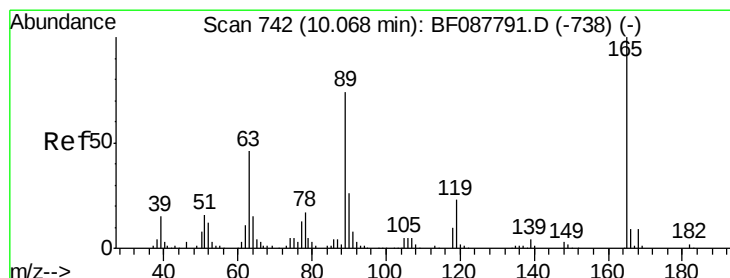
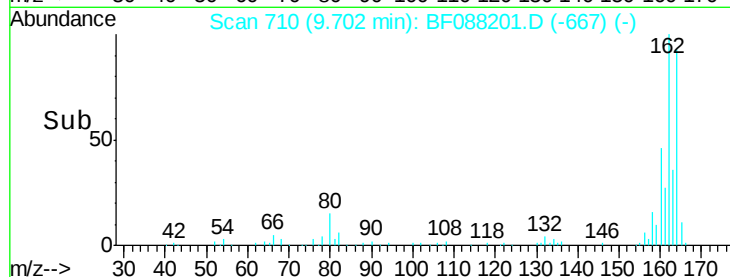
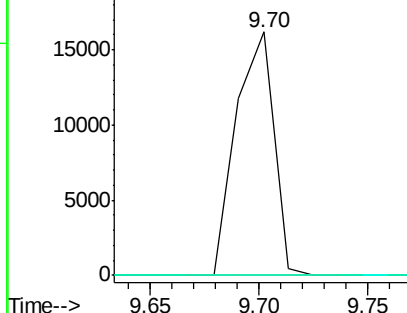
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.84 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.21 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

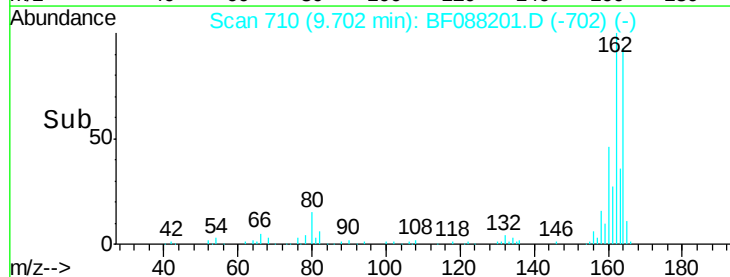
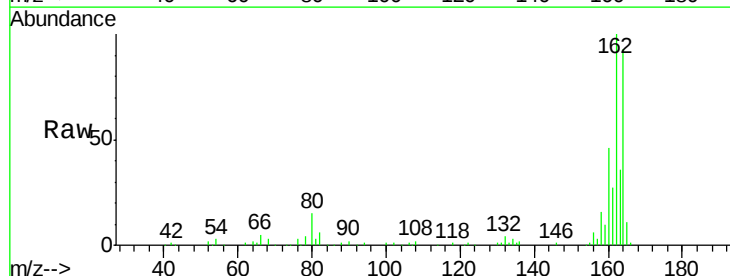
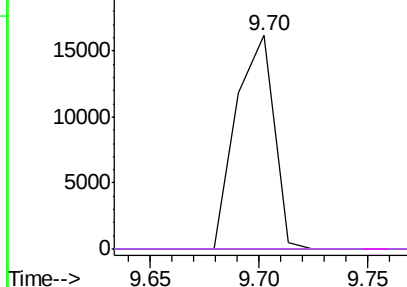
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E

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

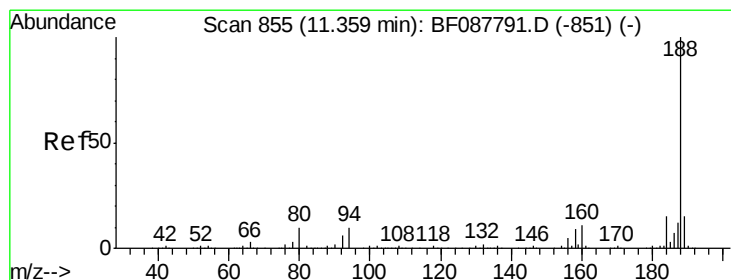
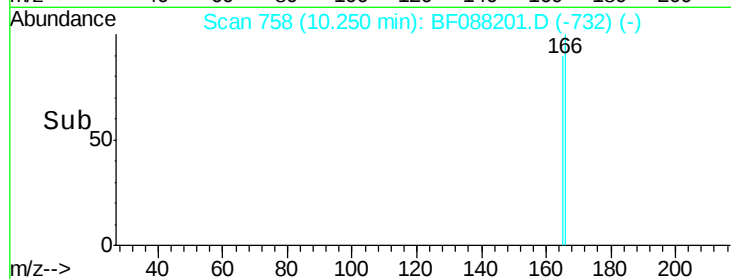
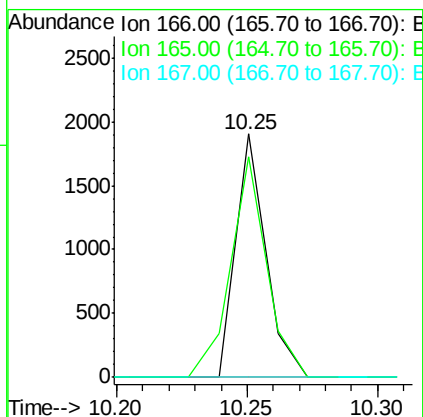
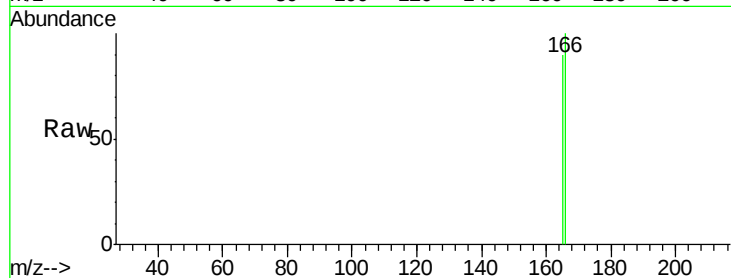




#57
 Fluorene
 Concen: Below Cal
 RT: 10.25 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

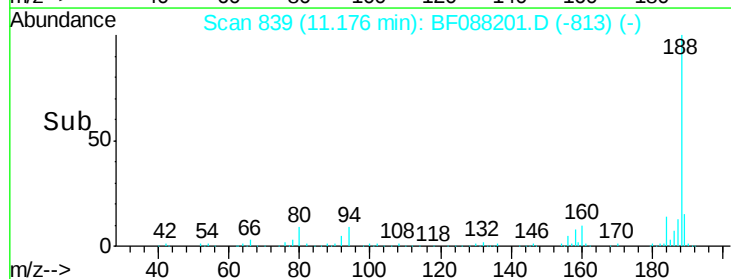
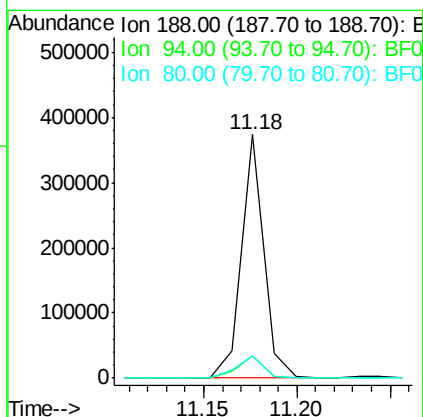
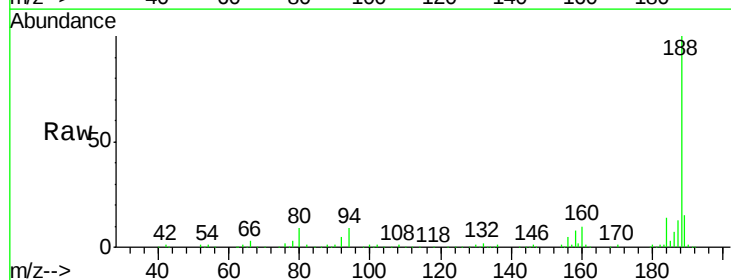
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP4-COMP

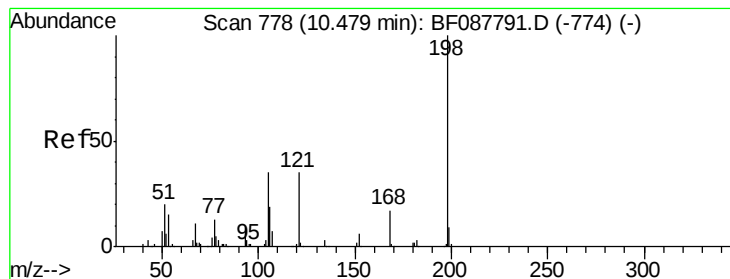
Tgt Ion:166 Resp: 1542
 Ion Ratio Lower Upper
 166 100
 165 90.4 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF088201.D
 Acq: 21 Jun 2016 6:05

Tgt Ion:188 Resp: 315351
 Ion Ratio Lower Upper
 188 100
 94 9.1 9.0 13.6
 80 9.1 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.29 ng

RT: 10.49 min Scan# 779

Delta R.T. 0.17 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

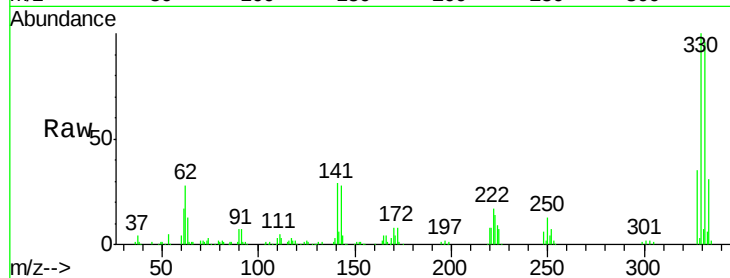
Tgt Ion:198 Resp: 254

Ion Ratio Lower Upper

198 100

51 114.6 39.6 79.6#

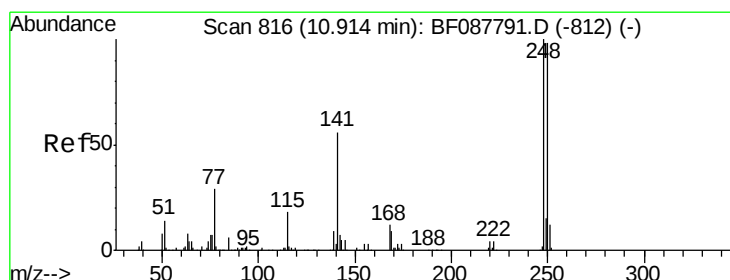
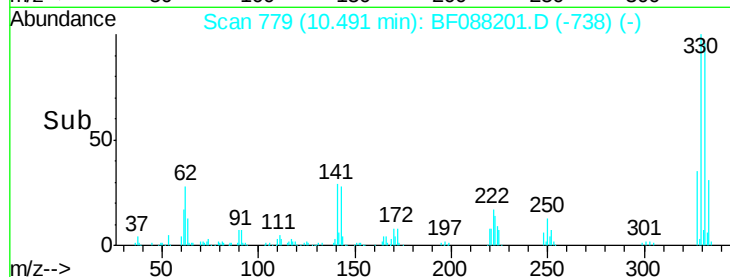
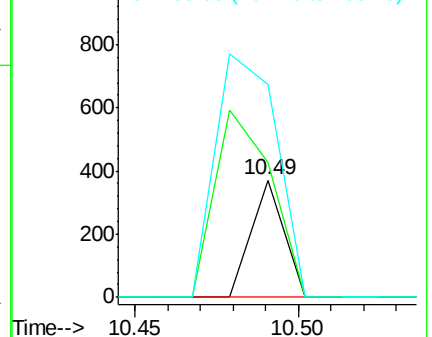
105 182.2 36.6 76.6#



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: 4.19 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.24 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

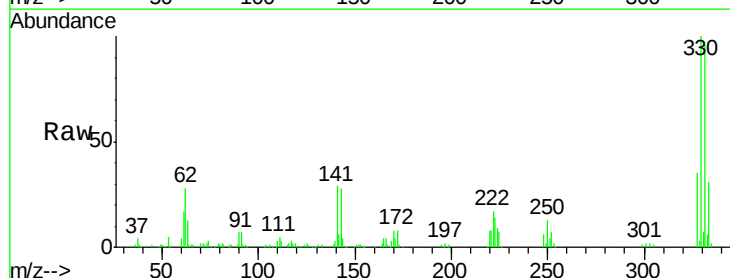
Tgt Ion:248 Resp: 14179

Ion Ratio Lower Upper

248 100

250 199.9 77.1 115.7#

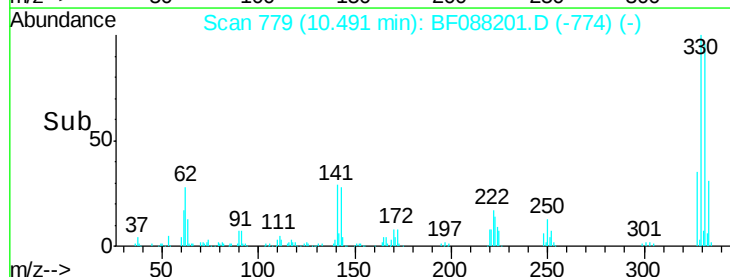
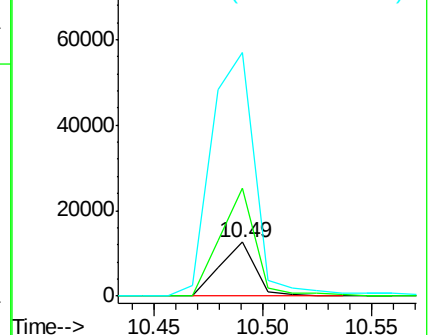
141 451.9 50.6 76.0#

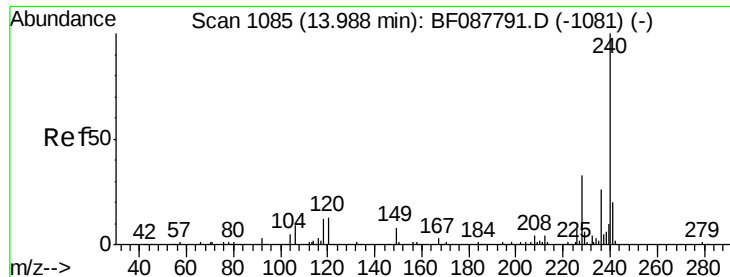


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

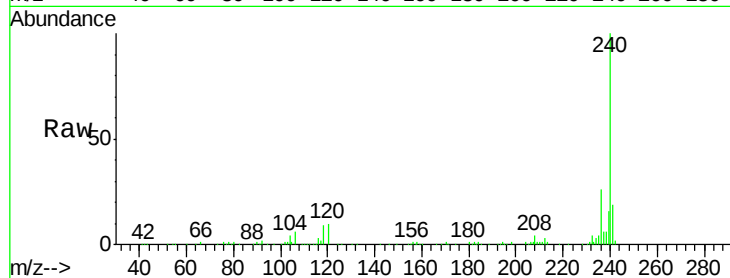
Tgt Ion:240 Resp: 243218

Ion Ratio Lower Upper

240 100

120 10.1 6.8 10.2

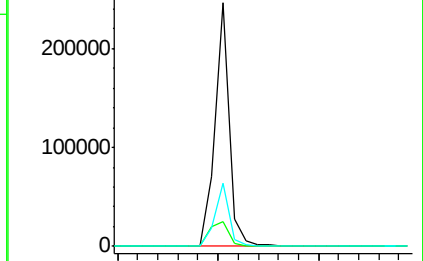
236 25.9 20.2 30.2



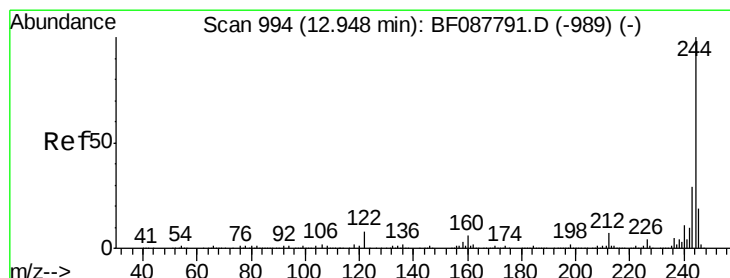
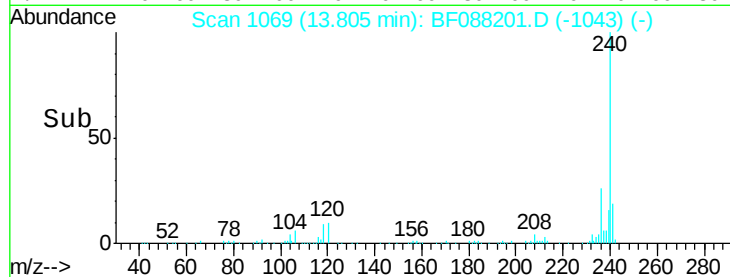
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.70 13.80 13.90



#78

Terphenyl-d14

Concen: 87.18 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

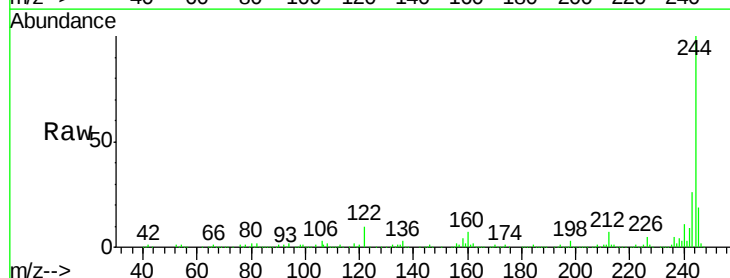
Tgt Ion:244 Resp: 931773

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

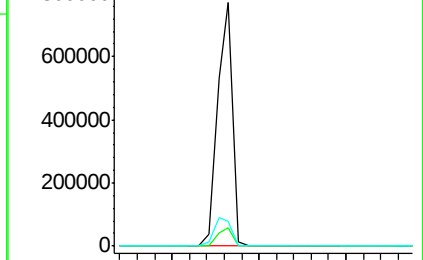
122 10.3 11.2 16.8#



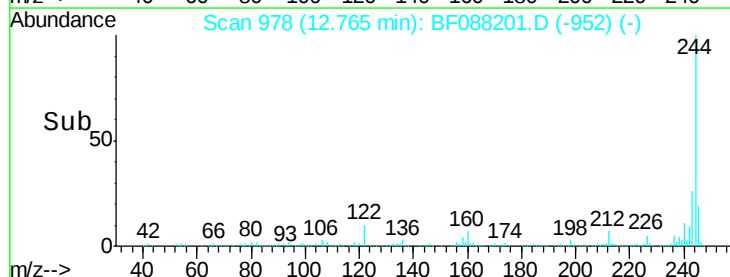
Abundance Ion 244.00 (243.70 to 244.70): E

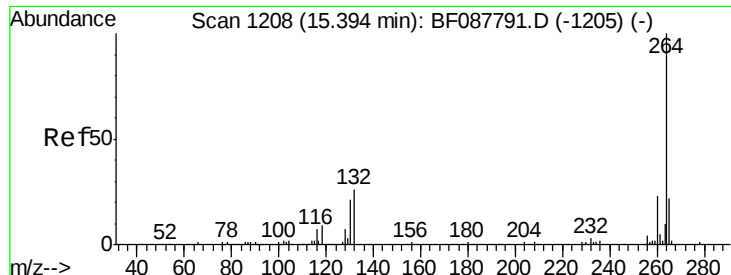
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.70 12.80 12.90





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF088201.D

Acq: 21 Jun 2016 6:05

Instrument :

BNA_F

ClientSampleId :

PL-UP4-COMP

Tgt Ion: 264 Resp: 104787

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 20.9 16.9 25.3

