

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088202.D
 Acq On : 21 Jun 2016 6:34
 Operator : UM/SJ
 Sample : H3611-17
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP5-COMP

Quant Time: Jun 21 08:02:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

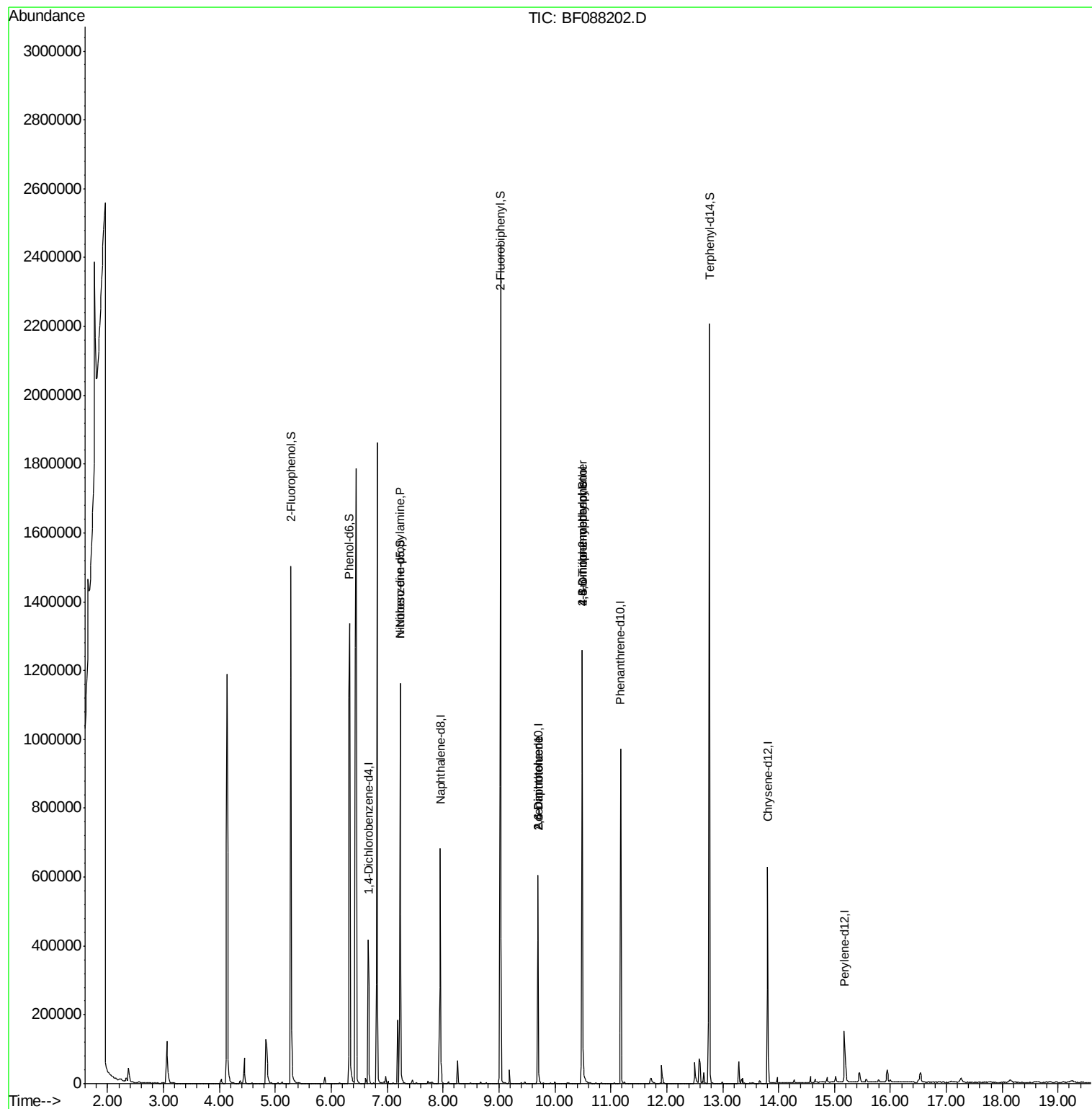
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	88659	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	370777	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	152440	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	336974	20.00	ng	0.00
75) Chrysene-d12	13.81	240	234230	20.00	ng	0.00
86) Perylene-d12	15.18	264	54666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	650165	125.37	ng	0.02
7) Phenol-d6	6.33	99	728089	115.84	ng	0.00
23) Nitrobenzene-d5	7.23	82	463816	73.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	224179	139.28	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	893939	92.62	ng	-0.01
78) Terphenyl-d14	12.77	244	942132	91.53	ng	0.00
Target Compounds						
10) Phenol	6.44	94	1359	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	59444	14.78	ng	72
45) 1,1'-Biphenyl	9.13	154	261	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.70	165	18840	7.45	ng	39
56) 2,4-Dinitrotoluene	9.70	165	18840	5.80	ng	37
57) Fluorene	10.25	166	1188	Below Cal	#	93
64) 4,6-Dinitro-2-methylphenol	10.49	198	531	2.40	ng	27
66) 4-Bromophenyl-phenylether	10.49	248	13922	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: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088202.D

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Instrument :

BNA_F

ClientSampleId :

PL-UP5-COMP

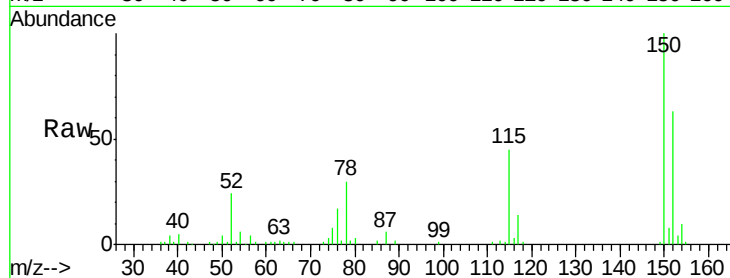
Tgt Ion:152 Resp: 88659

Ion Ratio Lower Upper

152 100

150 159.1 123.8 185.6

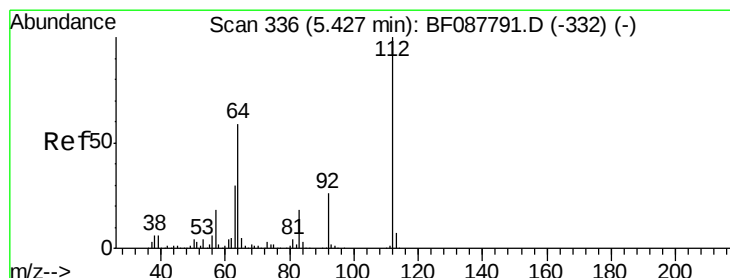
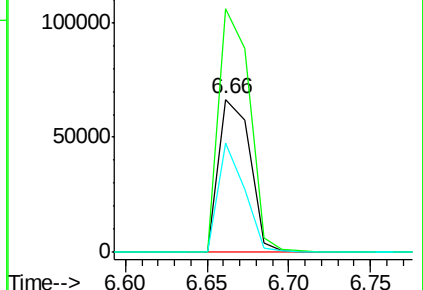
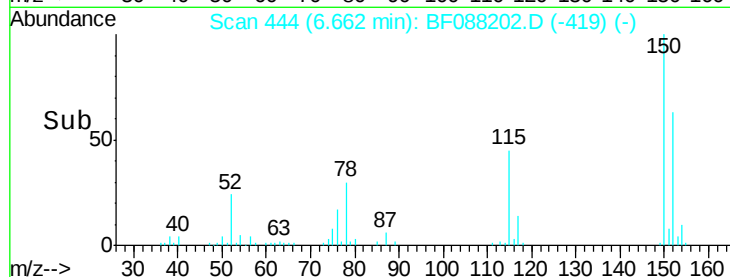
115 71.4 39.6 59.4#



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: 125.37 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF088202.D

Acq: 21 Jun 2016 6:34

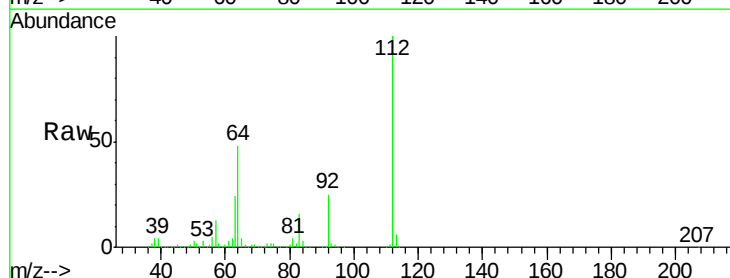
Tgt Ion:112 Resp: 650165

Ion Ratio Lower Upper

112 100

64 47.7 42.2 63.2

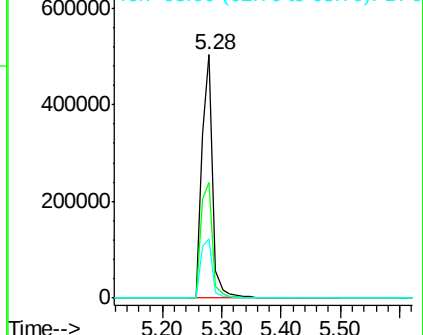
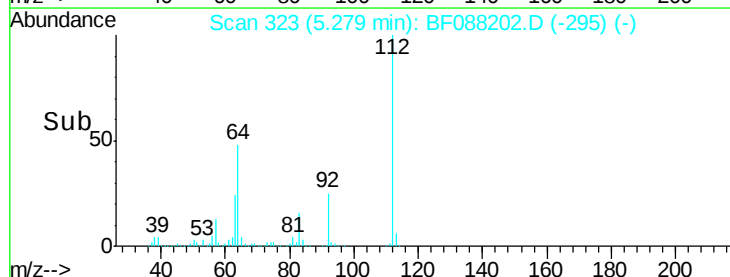
63 24.5 21.8 32.8

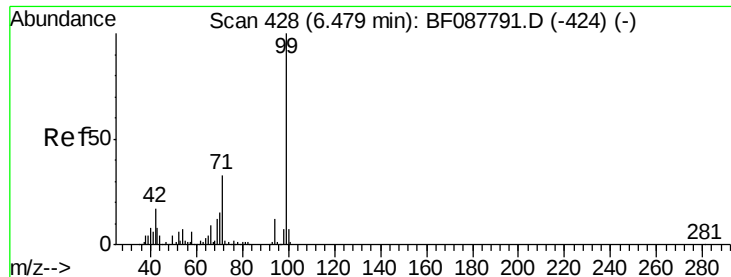


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.84 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088202.D

Acq: 21 Jun 2016 6:34

Instrument :

BNA_F

ClientSampleId :

PL-UP5-COMP

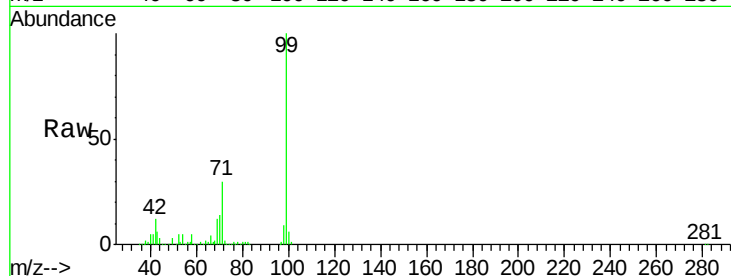
Tgt Ion: 99 Resp: 728089

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

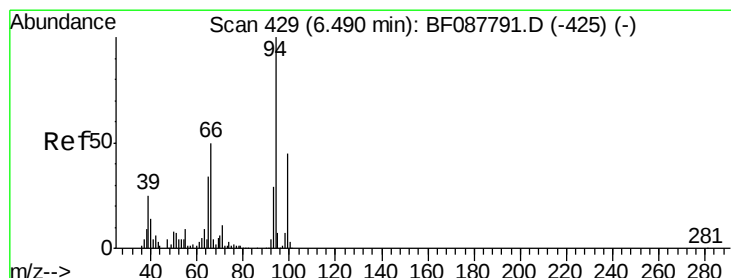
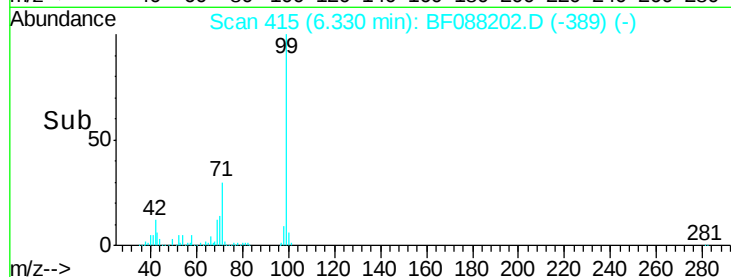
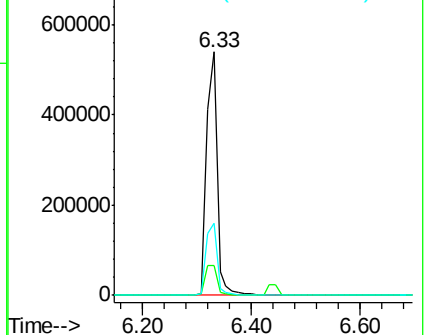
71 29.6 23.4 35.0



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: BF088202.D

Acq: 21 Jun 2016 6:34

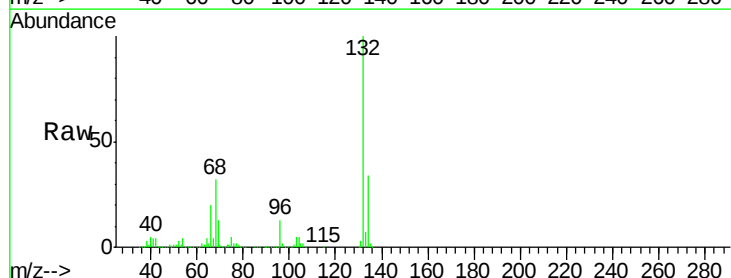
Tgt Ion: 94 Resp: 1359

Ion Ratio Lower Upper

94 100

65 875.1 5.9 45.9#

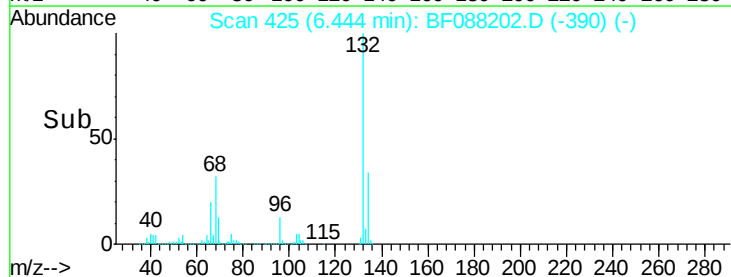
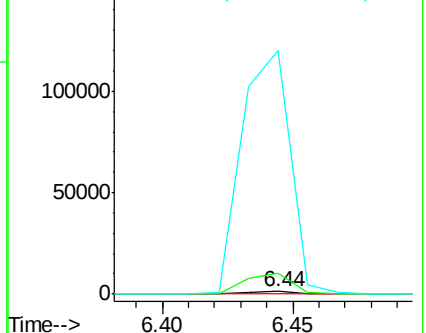
66 9911.8 14.0 54.0#



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

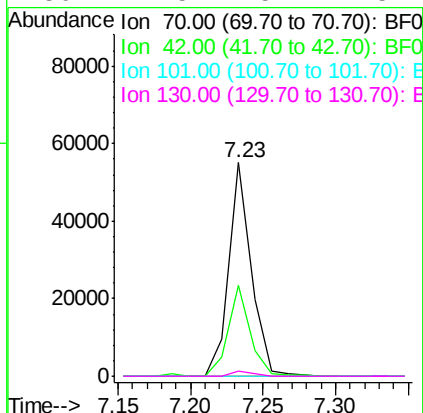
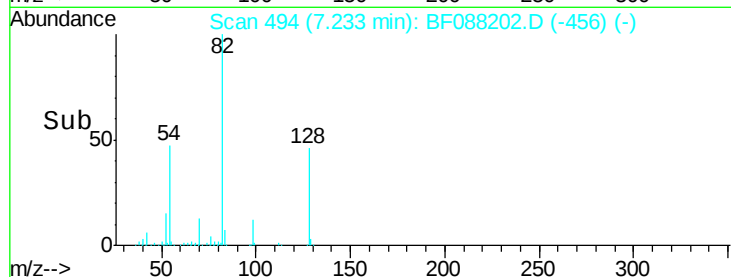
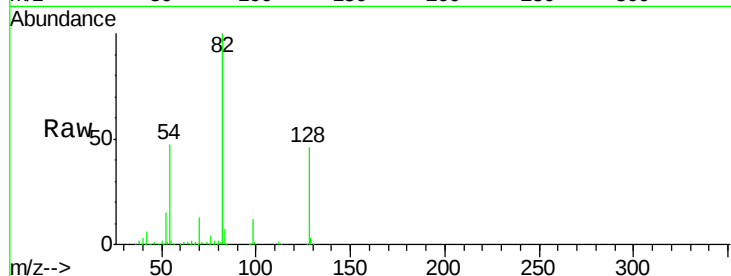




#19
n-Nitroso-di-n-propylamine
Concen: 14.78 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.14 min
Lab File: BF088202.D
Acq: 21 Jun 2016 6:34

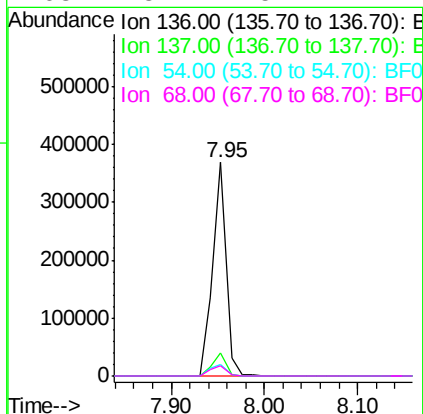
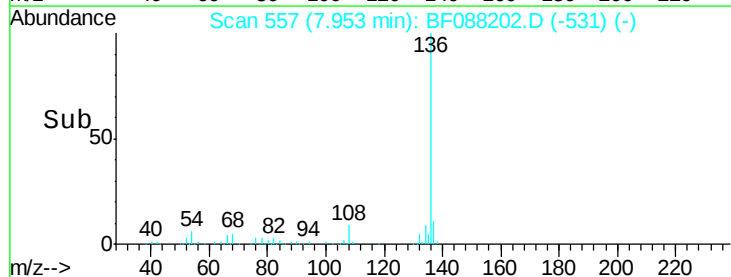
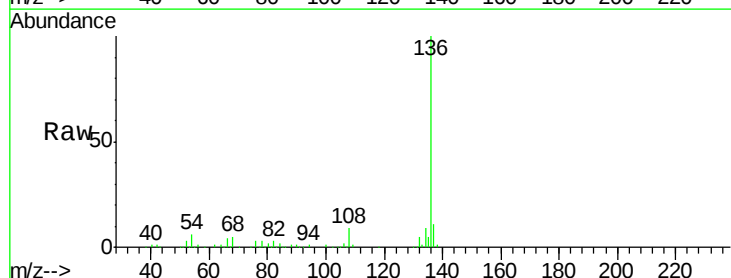
Instrument :
BNA_F
ClientSampleId :
PL-UP5-COMP

Tgt Ion: 70 Resp: 59444
Ion Ratio Lower Upper
70 100
42 42.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 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: BF088202.D
Acq: 21 Jun 2016 6:34

Tgt Ion: 136 Resp: 370777
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.6 6.6 10.0#
68 5.1 5.1 7.7#

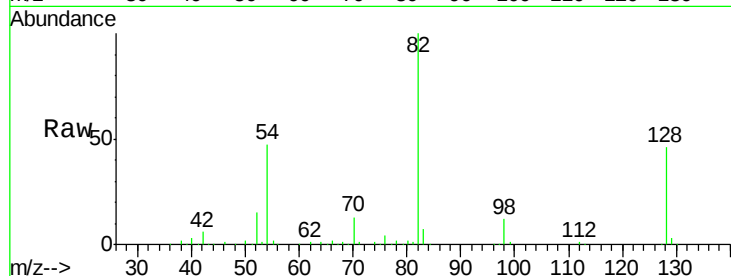




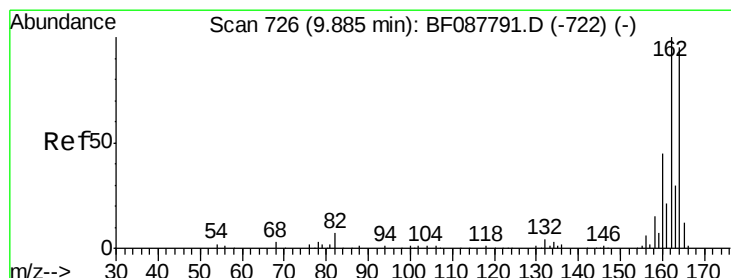
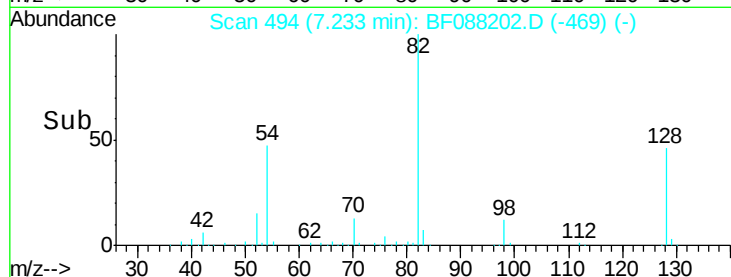
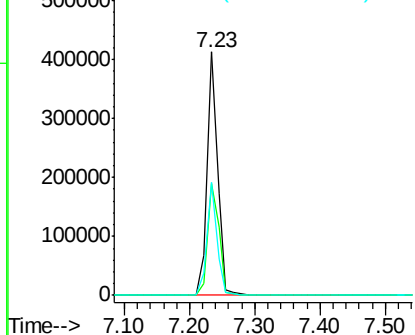
#23
 Nitrobenzene-d5
 Concen: 73.05 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP5-COMP

Tgt Ion: 82 Resp: 463816
 Ion Ratio Lower Upper
 82 100
 128 46.1 35.9 53.9
 54 46.6 40.9 61.3

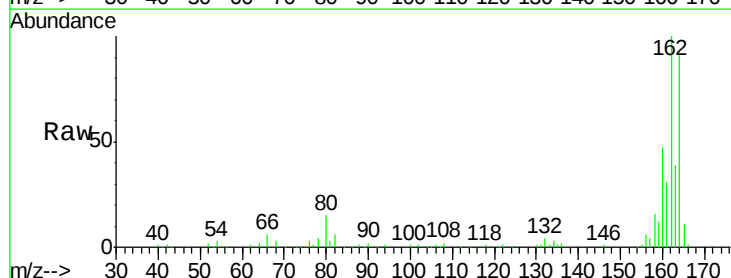


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

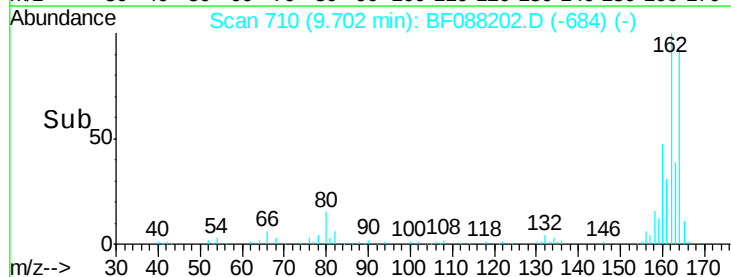
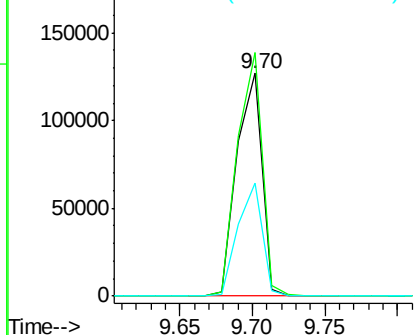


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

Tgt Ion: 164 Resp: 152440
 Ion Ratio Lower Upper
 164 100
 162 109.1 85.4 128.2
 160 51.0 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

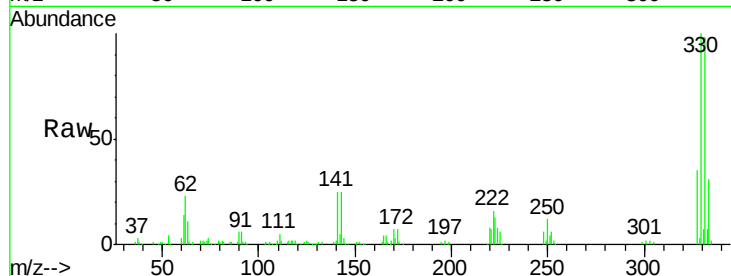




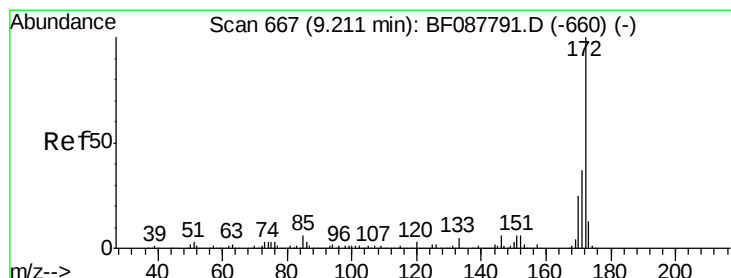
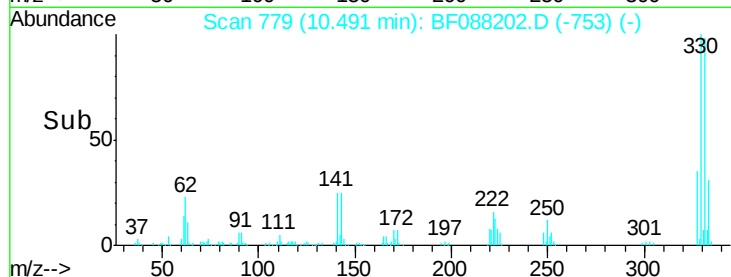
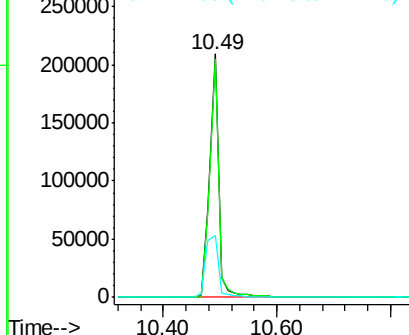
#41
 2,4,6-Tribromophenol
 Concen: 139.28 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP5-COMP

Tgt Ion:330 Resp: 224179
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 35.9 0.0 0.0#

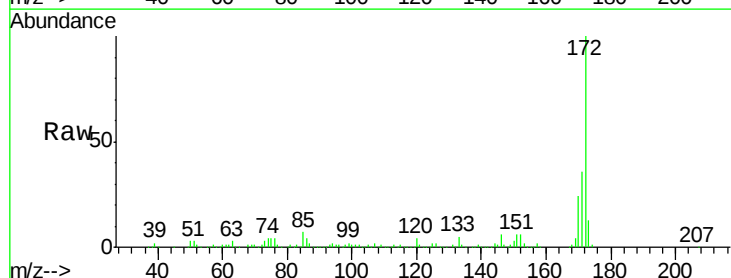


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

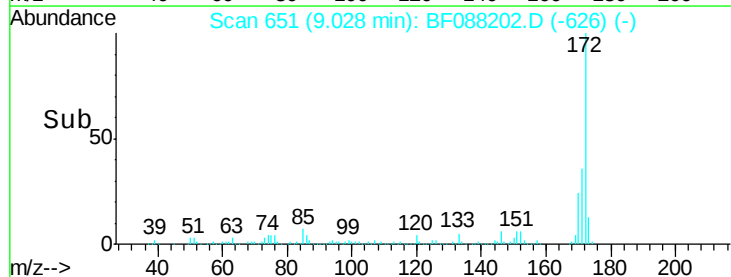
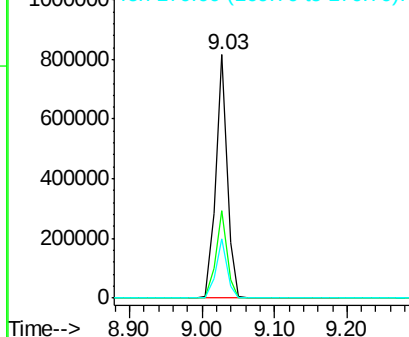


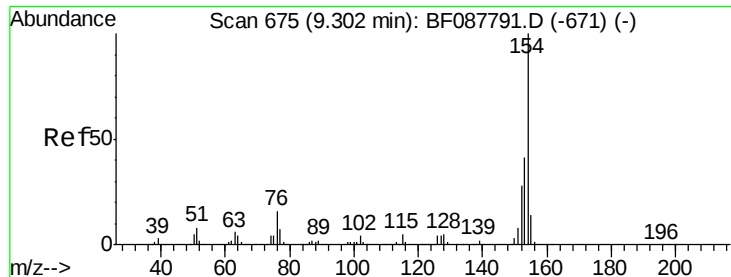
#44
 2-Fluorobiphenyl
 Concen: 92.62 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

Tgt Ion:172 Resp: 893939
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.2 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: BF088202.D

Acq: 21 Jun 2016 6:34

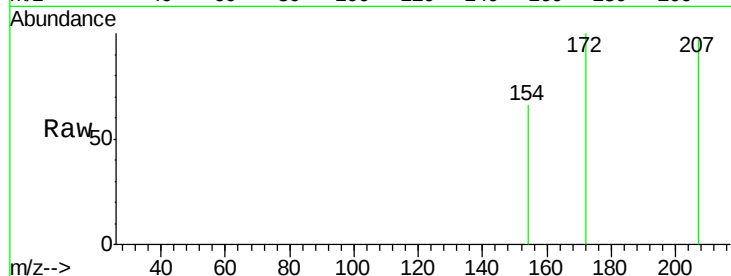
Instrument :

BNA_F

ClientSampleId :

PL-UP5-COMP

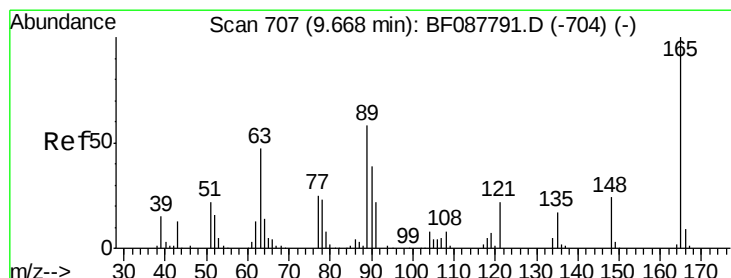
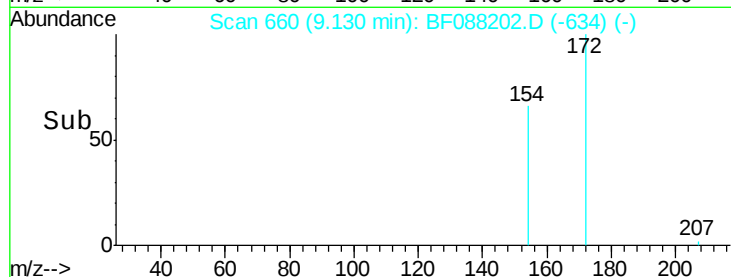
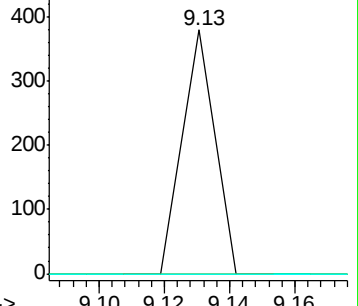
Tgt Ion:	154	Resp:	261
Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1



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: 7.45 ng

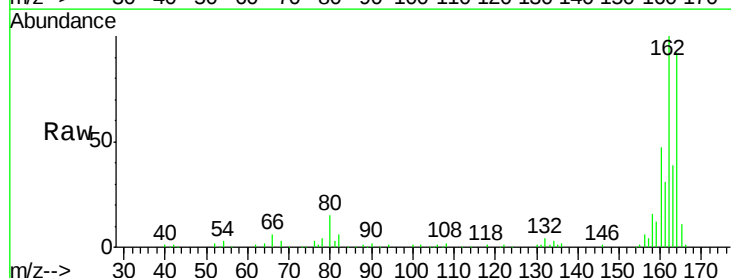
RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF088202.D

Acq: 21 Jun 2016 6:34

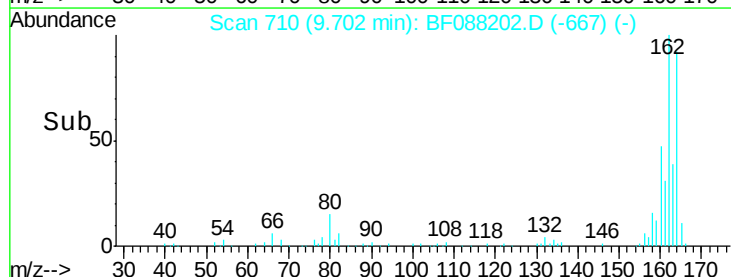
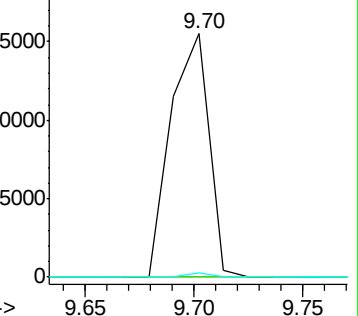
Tgt Ion:	165	Resp:	18840
Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	2.0	32.2	48.2#



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

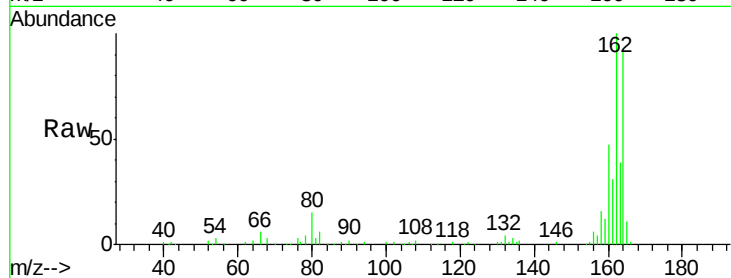




#56
2,4-Dinitrotoluene
Concen: 5.80 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF088202.D
Acq: 21 Jun 2016 6:34

Instrument :
BNA_F
ClientSampleId :
PL-UP5-COMP

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

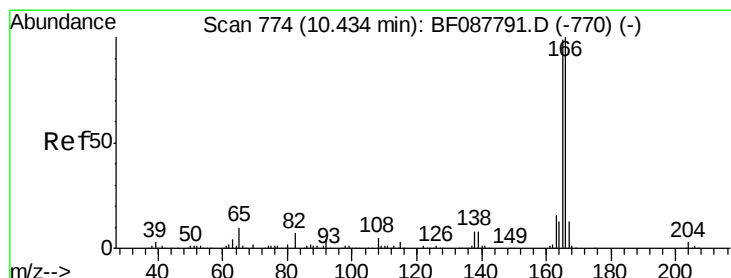
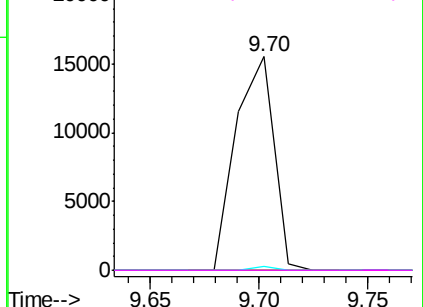
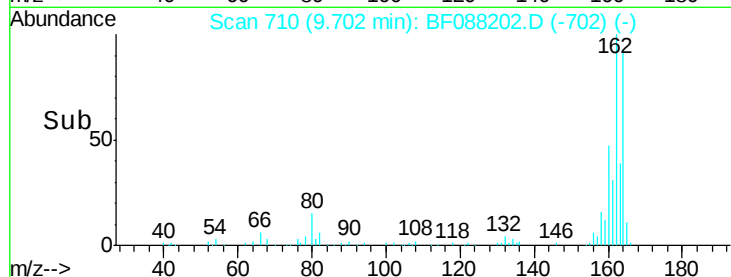


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

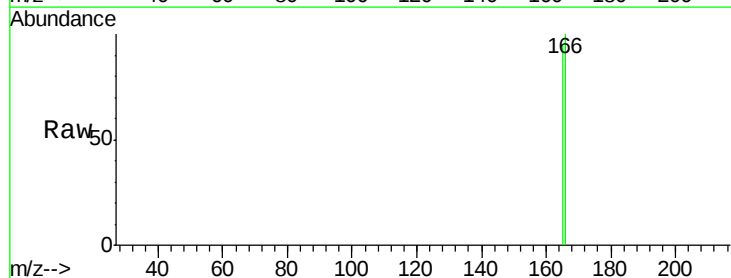
Ion 89.00 (88.70 to 89.70): BF0

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: BF088202.D
Acq: 21 Jun 2016 6:34

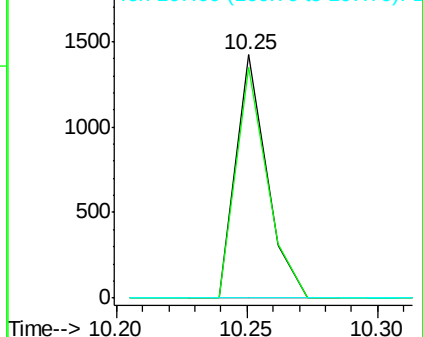
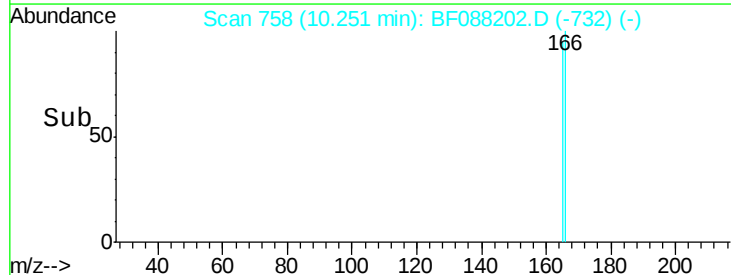
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	77.8	116.8
167	0.0	11.2	16.8#

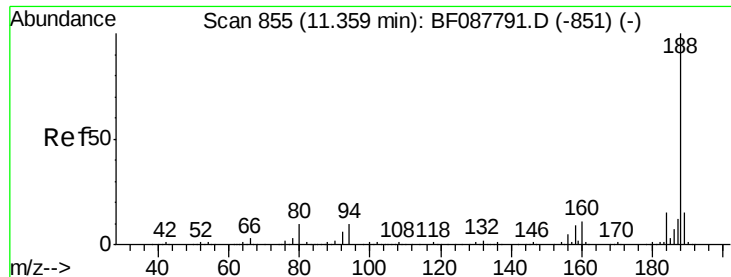


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

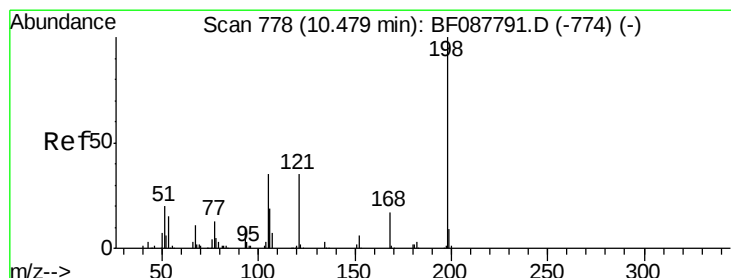
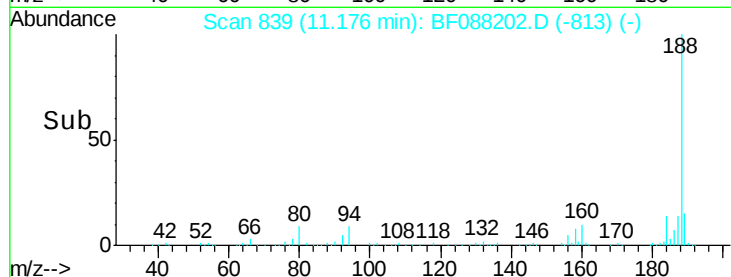
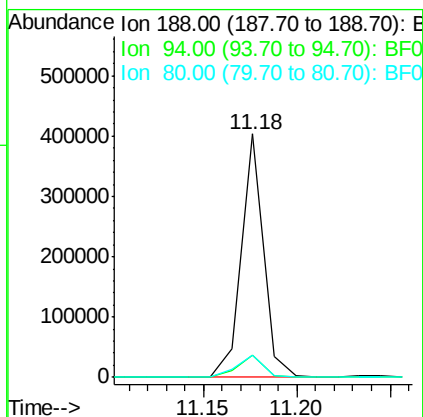
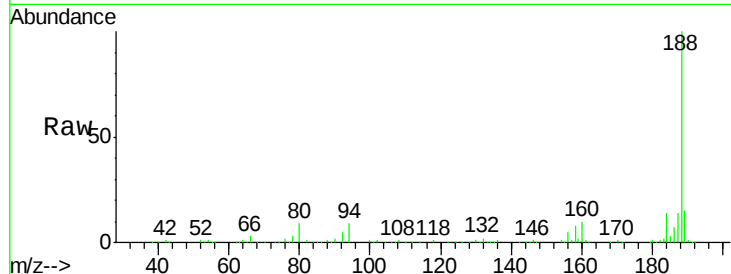




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

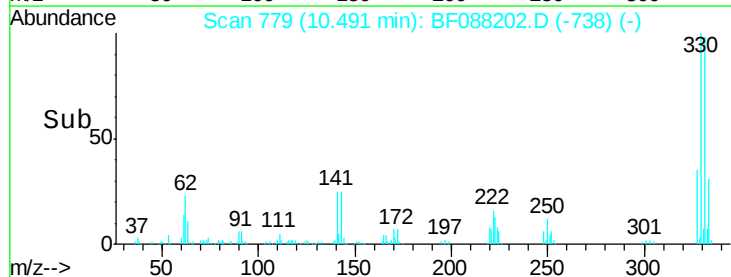
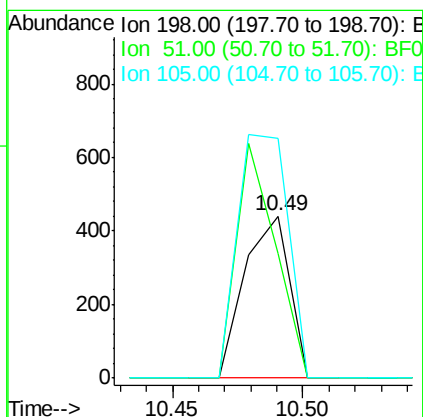
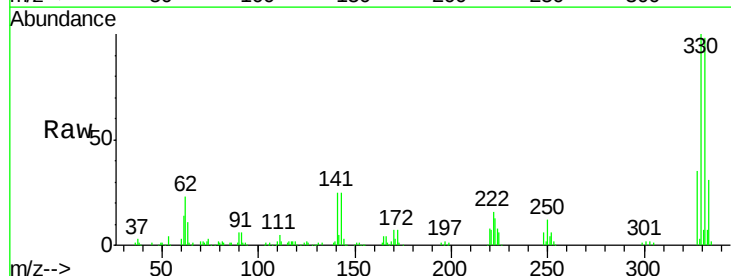
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP5-COMP

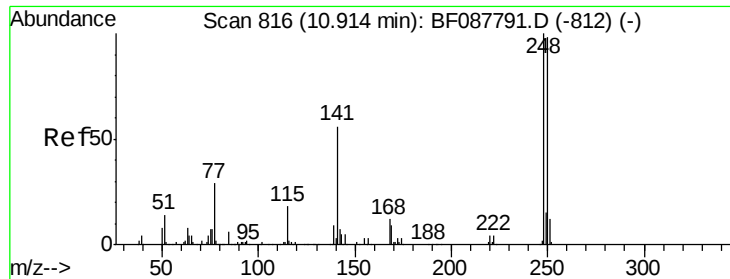
Tgt Ion:188 Resp: 336974
 Ion Ratio Lower Upper
 188 100
 94 9.2 9.0 13.6
 80 9.3 10.0 15.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.40 ng
 RT: 10.49 min Scan# 779
 Delta R.T. 0.17 min
 Lab File: BF088202.D
 Acq: 21 Jun 2016 6:34

Tgt Ion:198 Resp: 531
 Ion Ratio Lower Upper
 198 100
 51 77.3 39.6 79.6
 105 148.4 36.6 76.6#

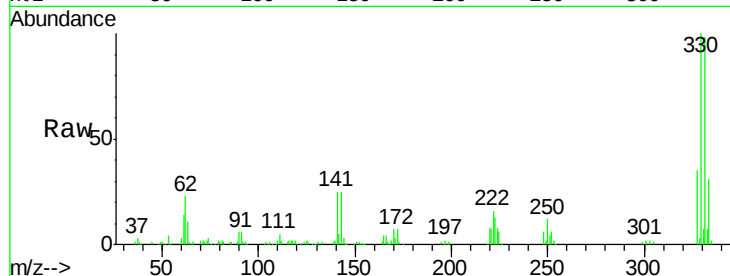




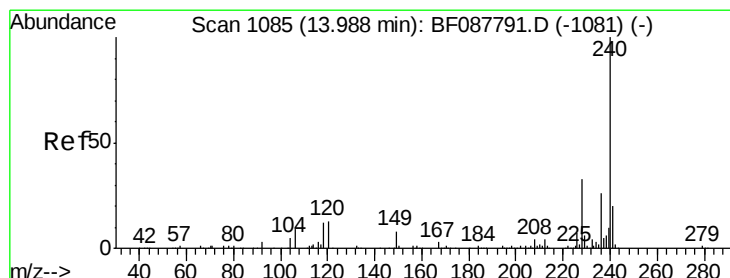
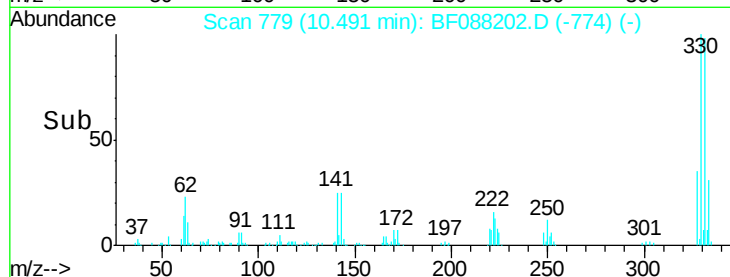
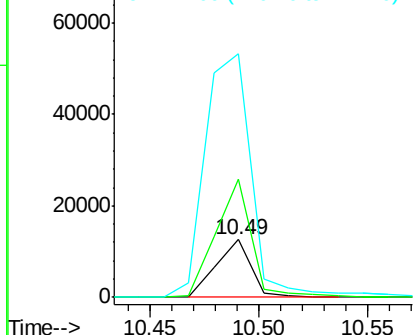
#66
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.24 min
Lab File: BF088202.D
Acq: 21 Jun 2016 6:34

Instrument :
BNA_F
ClientSampleId :
PL-UP5-COMP

Tgt Ion: 248 Resp: 13922
Ion Ratio Lower Upper
248 100
250 205.1 77.1 115.7#
141 423.6 50.6 76.0#

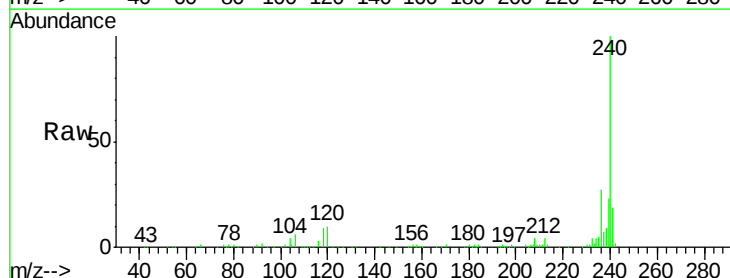


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

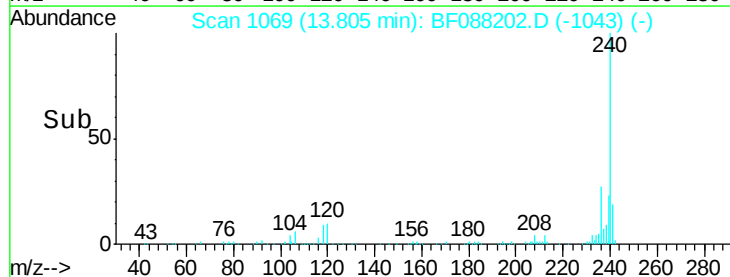
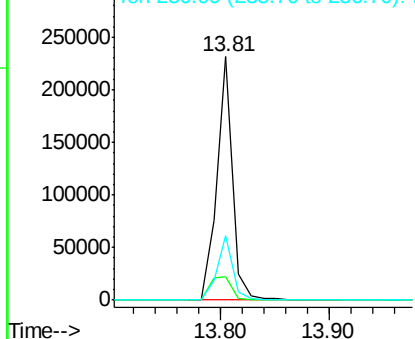


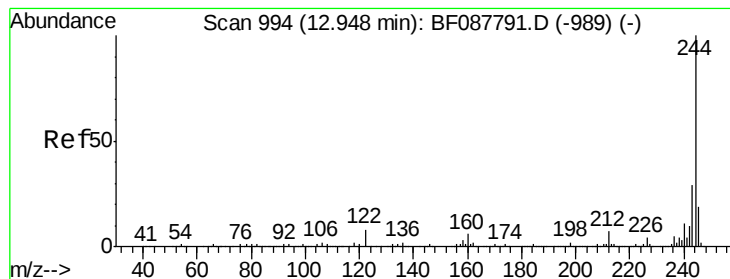
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BF088202.D
Acq: 21 Jun 2016 6:34

Tgt Ion: 240 Resp: 234230
Ion Ratio Lower Upper
240 100
120 9.6 6.8 10.2
236 26.5 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: 91.53 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088202.D

Acq: 21 Jun 2016 6:34

Instrument :

BNA_F

ClientSampleId :

PL-UP5-COMP

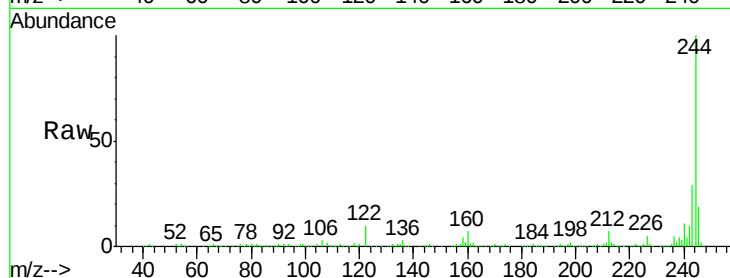
Tgt Ion:244 Resp: 942132

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

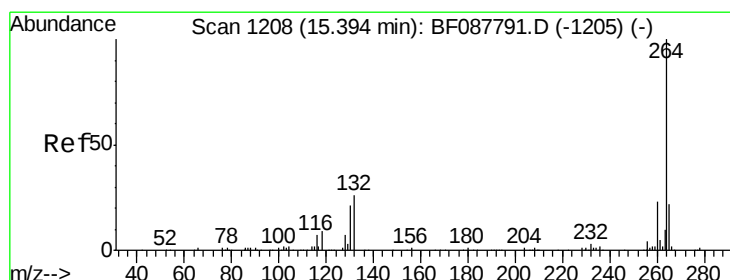
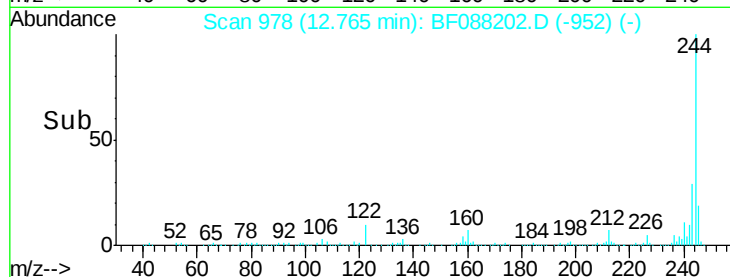
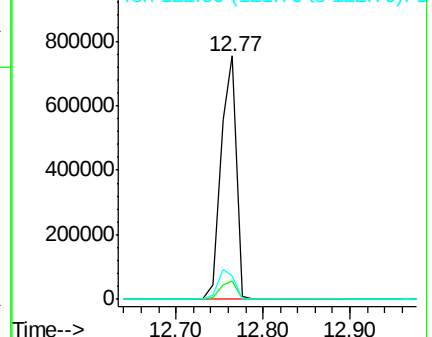
122 9.7 11.2 16.8#



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: 15.18 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF088202.D

Acq: 21 Jun 2016 6:34

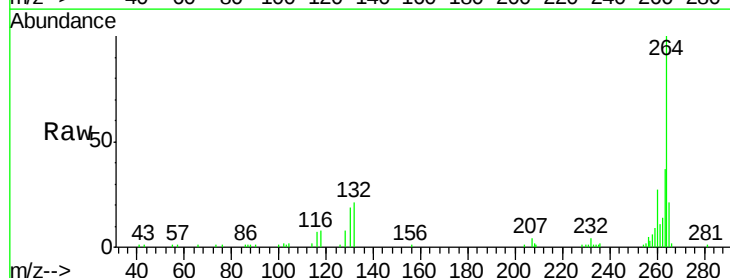
Tgt Ion:264 Resp: 54666

Ion Ratio Lower Upper

264 100

260 27.4 19.2 28.8

265 20.9 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

