

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087064.D
 Acq On : 15 May 2016 12:34
 Operator : UM/SJ
 Sample : H3053-01
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Quant Time: May 16 04:56:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

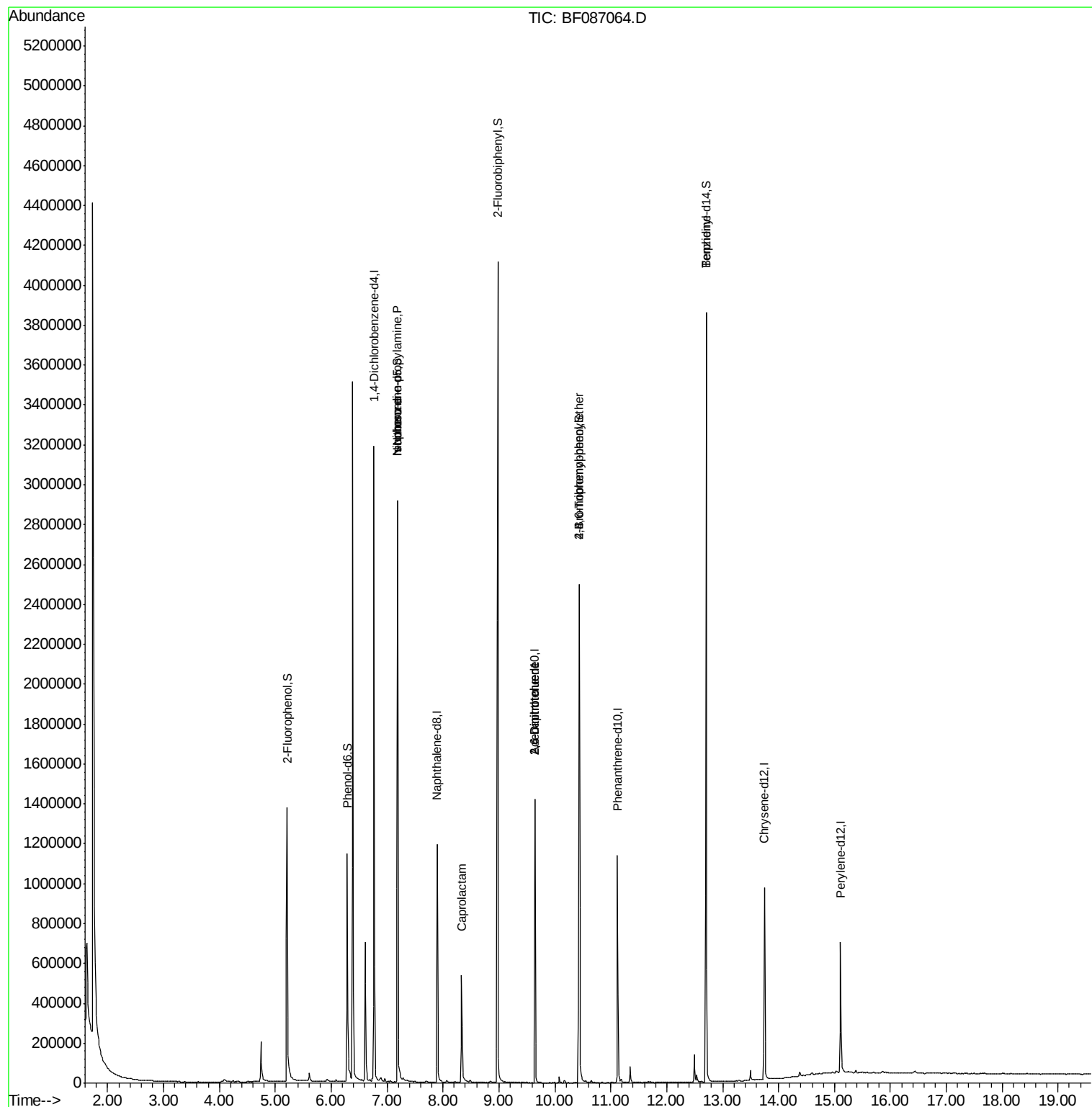
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	410168	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	524343	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	256863	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	434655	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	312036	20.00	ng	-0.09
86) Perylene-d12	15.11	264	289533	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	473601	19.55	ng	-0.08
7) Phenol-d6	6.28	99	454866	14.05	ng	-0.08
23) Nitrobenzene-d5	7.19	82	924357	88.52	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	305023	112.17	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1472205	96.33	ng	-0.08
78) Terphenyl-d14	12.71	244	1133603	77.08	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	134221	5.93	ng	# 72
25) Isophorone	7.19	82	916929	47.33	ng	# 68
35) Caprolactam	8.33	113	59553	24.72	ng	# 42
50) 2,6-Dinitrotoluene	9.64	165	33328	8.08	ng	# 20
56) 2,4-Dinitrotoluene	9.64	165	33330	6.53	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18309	4.15	ng	# 1
76) Benzidine	12.71	184	18339	2.31	ng	99

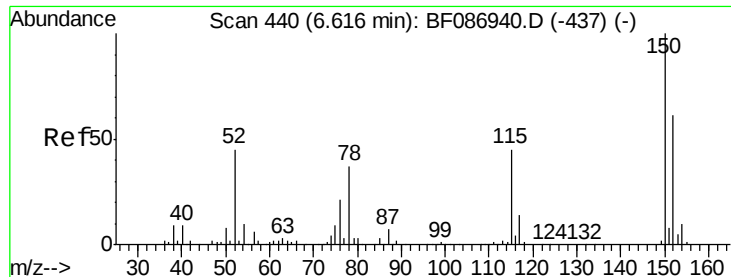
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087064.D
Acq On : 15 May 2016 12:34
Operator : UM/SJ
Sample : H3053-01
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-13

Quant Time: May 16 04:56:52 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration



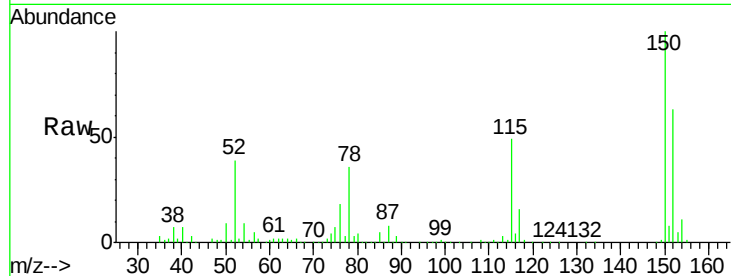


#1

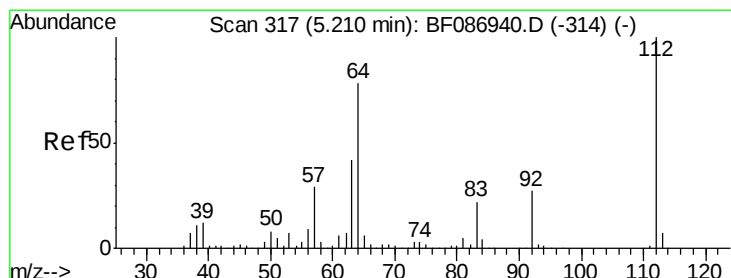
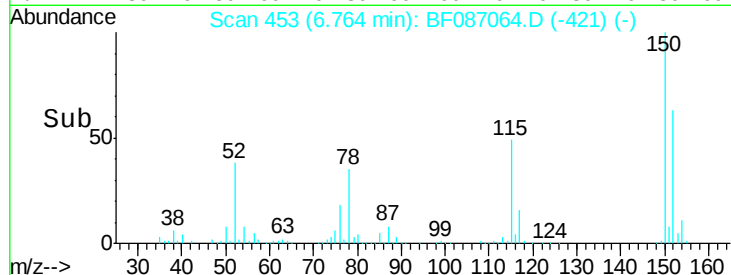
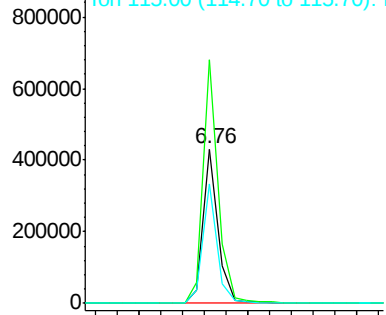
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Instrument :
BNA_F
ClientSampleId :
W-13

Tgt Ion:152 Resp: 410168
Ion Ratio Lower Upper
152 100
150 157.7 125.8 188.6
115 77.2 51.5 77.3



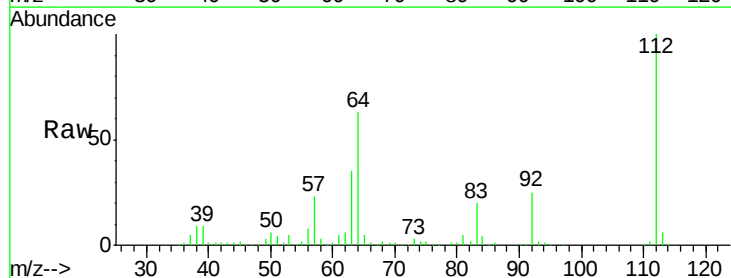
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



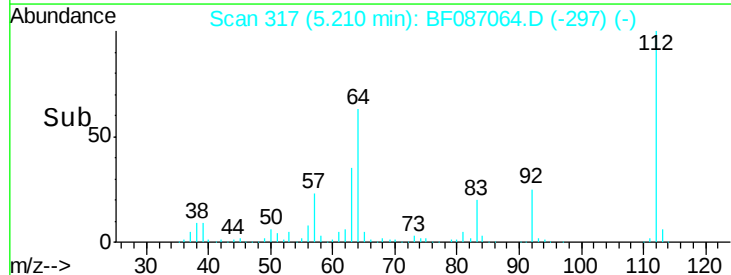
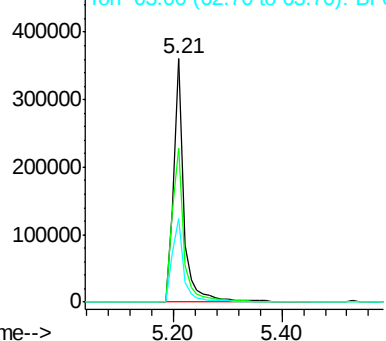
#5

2-Fluorophenol
Concen: 19.55 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.08 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Tgt Ion:112 Resp: 473601
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 34.5 25.7 38.5



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: 14.05 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

Instrument :

BNA_F

ClientSampleId :

W-13

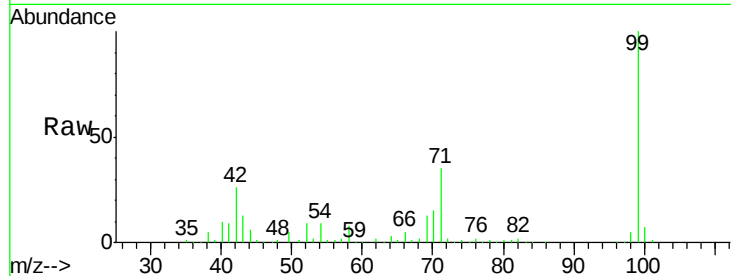
Tgt Ion: 99 Resp: 454866

Ion Ratio Lower Upper

99 100

42 26.1 13.6 20.4#

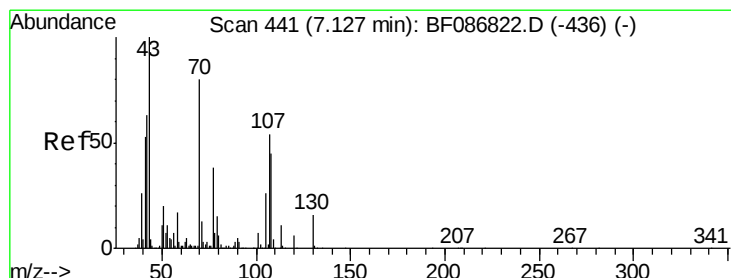
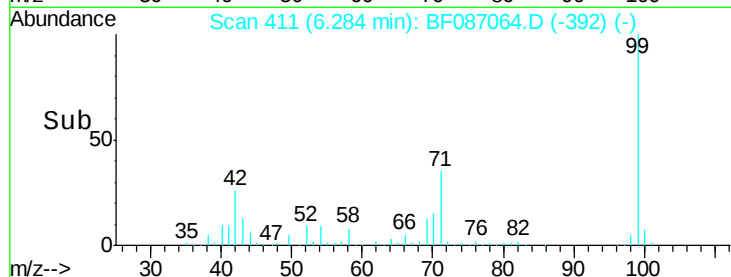
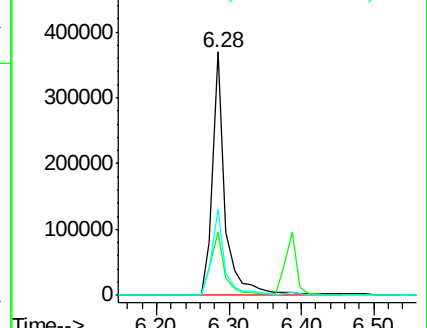
71 35.3 24.6 36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.93 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

Tgt Ion: 70 Resp: 134221

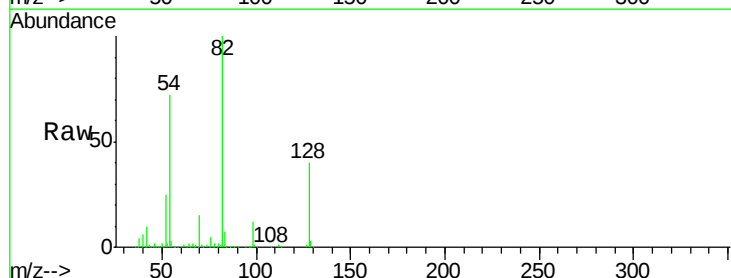
Ion Ratio Lower Upper

70 100

42 68.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

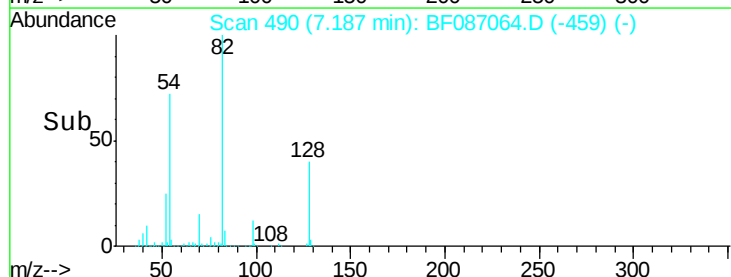
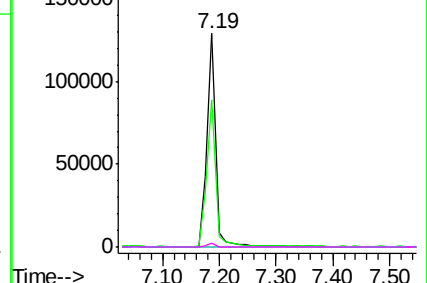


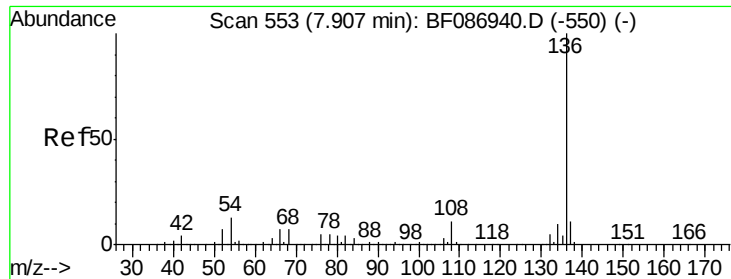
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

Instrument :

BNA_F

ClientSampleId :

W-13

Tgt Ion:136 Resp: 524343

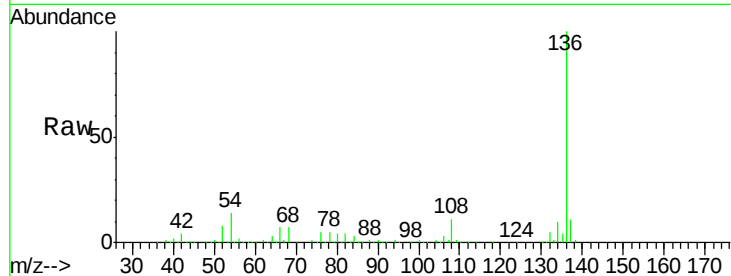
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 13.6 5.0 7.4#

68 7.0 4.4 6.6#

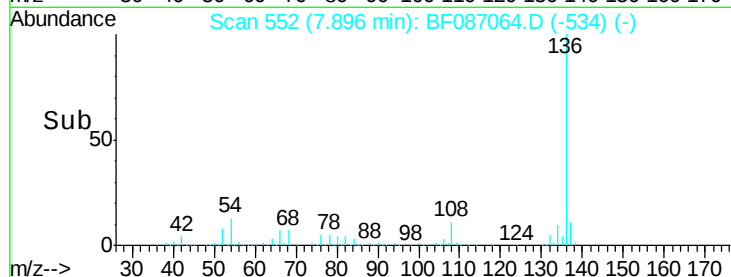


Abundance Ion 136.00 (135.70 to 136.70): E

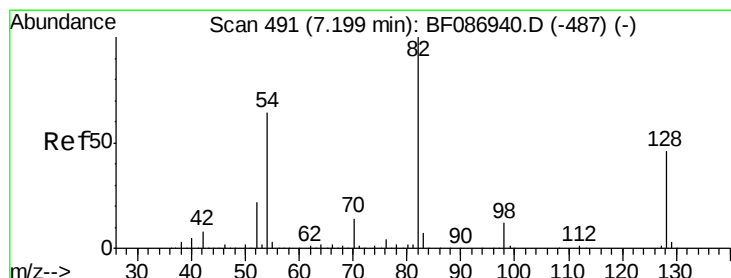
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 88.52 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

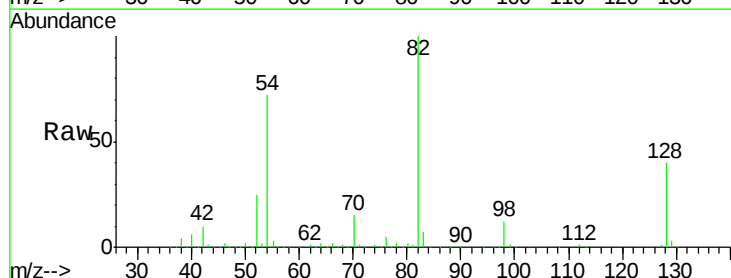
Tgt Ion: 82 Resp: 924357

Ion Ratio Lower Upper

82 100

128 39.6 40.6 61.0#

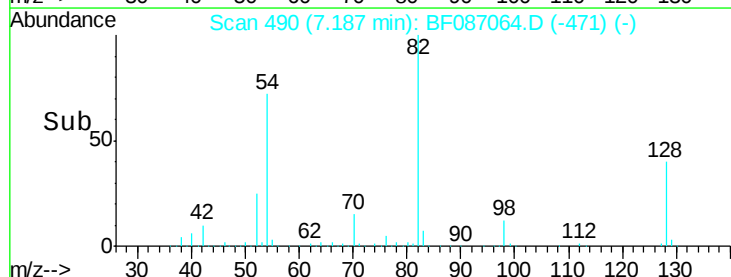
54 71.8 38.1 57.1#



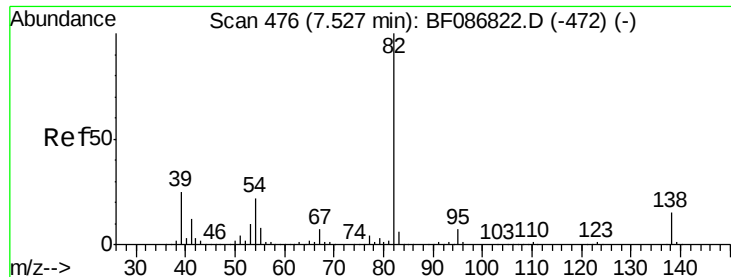
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 47.33 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

Instrument :

BNA_F

ClientSampleId :

W-13

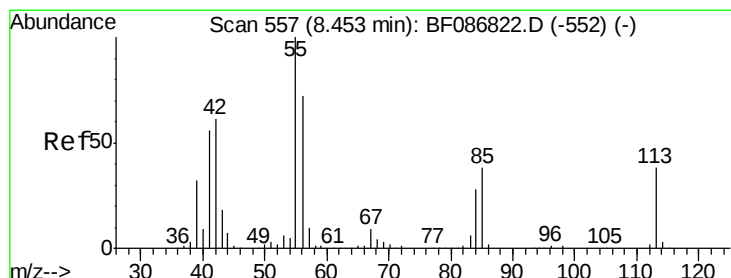
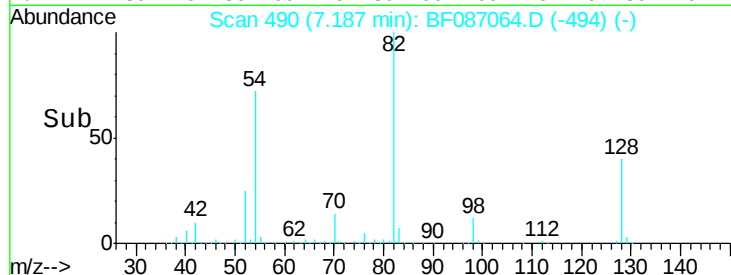
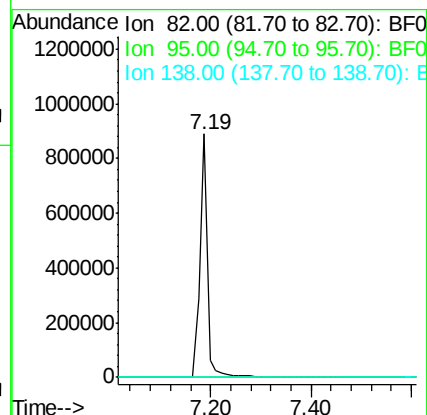
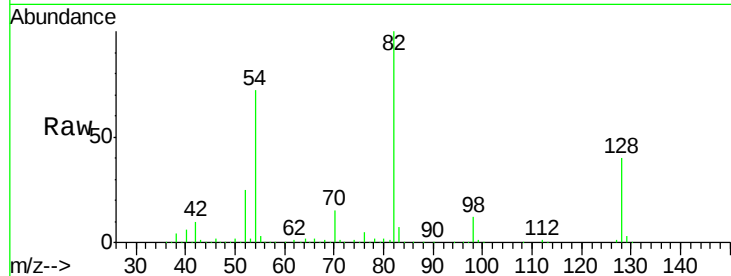
Tgt Ion: 82 Resp: 916929

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#35

Caprolactam

Concen: 24.72 ng

RT: 8.33 min Scan# 590

Delta R.T. -0.12 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

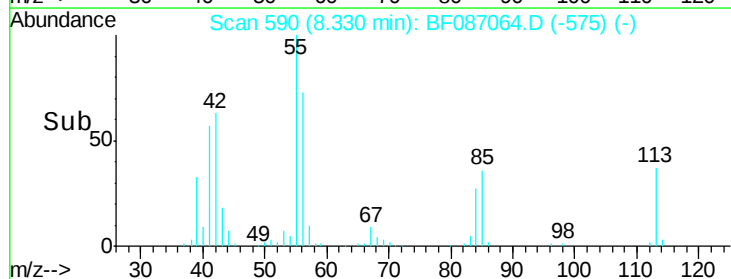
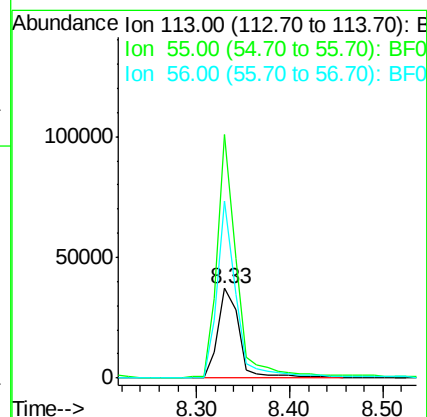
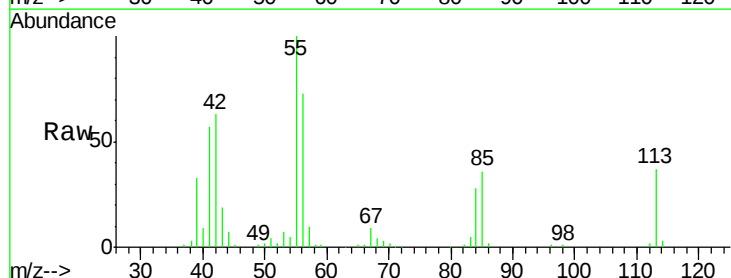
Tgt Ion: 113 Resp: 59553

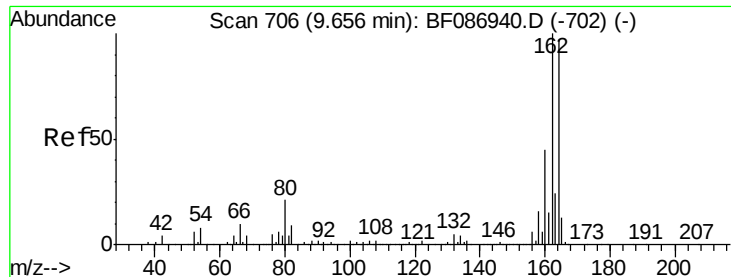
Ion Ratio Lower Upper

113 100

55 272.2 162.0 202.0#

56 197.5 115.3 155.3#

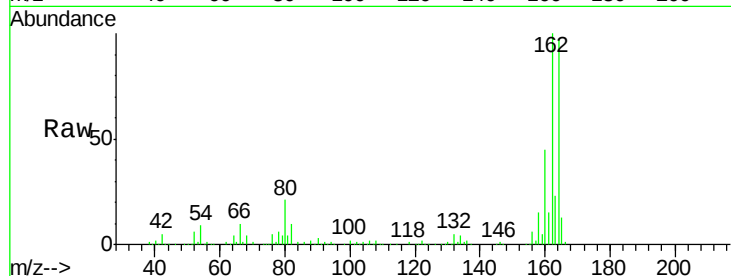




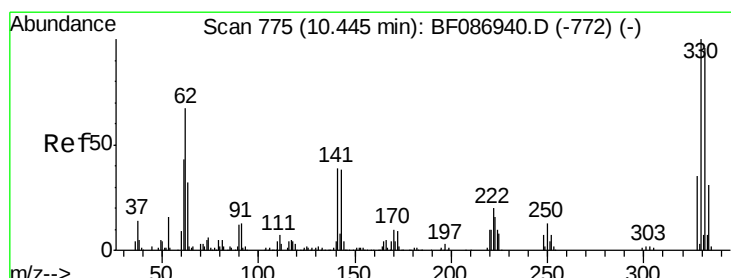
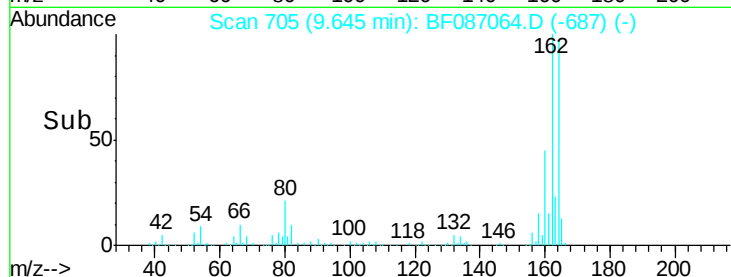
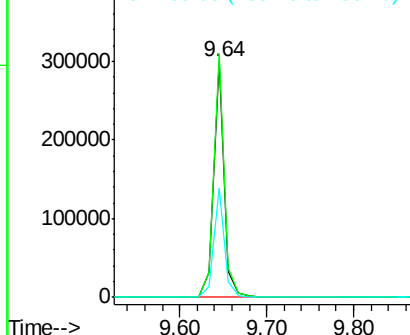
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Instrument :
BNA_F
ClientSampleId :
W-13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.8	124.2
160	46.3	36.9	55.3

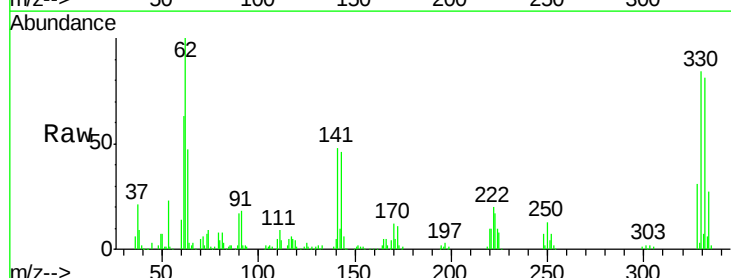


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

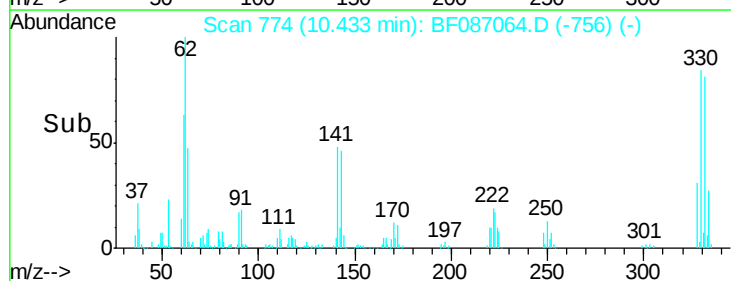
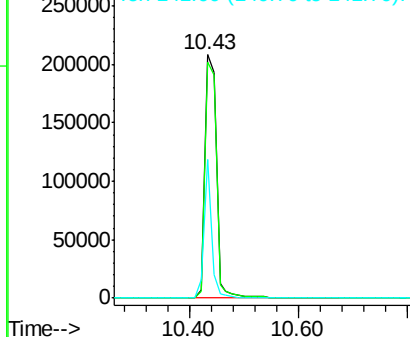


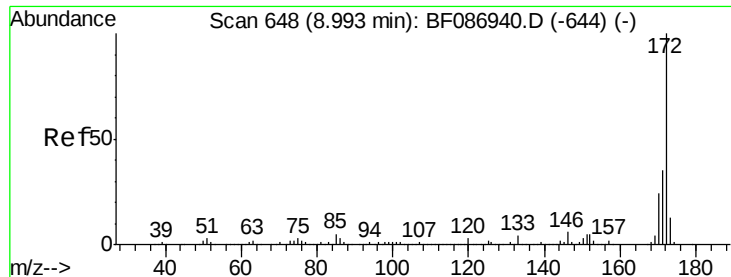
#41
2,4,6-Tribromophenol
Concen: 112.17 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.09 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.4
141	37.2	31.2	46.8



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

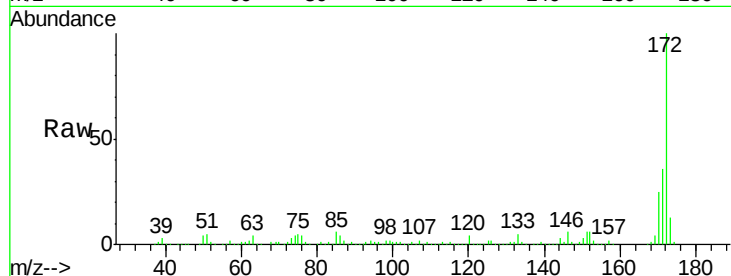




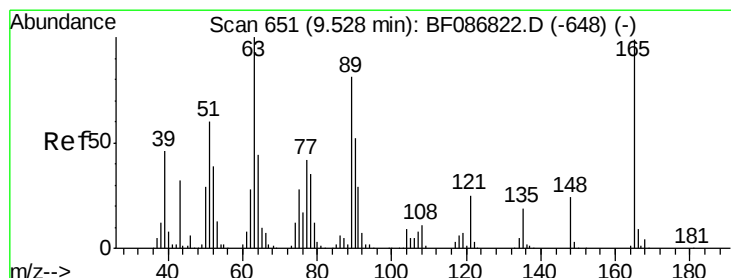
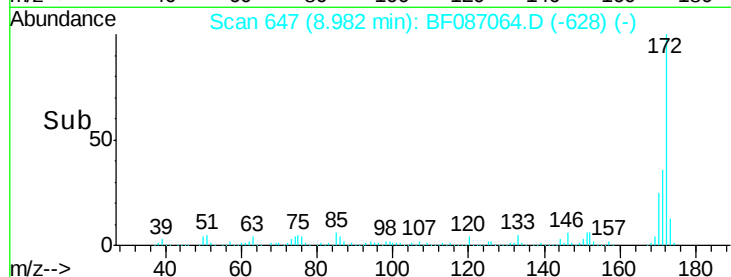
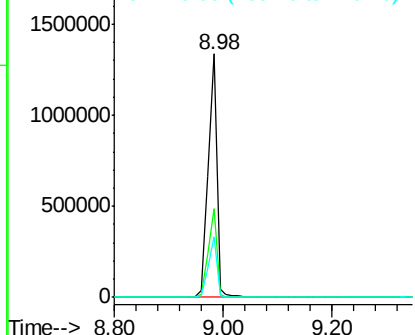
#44
 2-Fluorobiphenyl
 Concen: 96.33 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087064.D
 Acq: 15 May 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Tgt Ion:172 Resp: 1472205
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.7 19.8 29.8

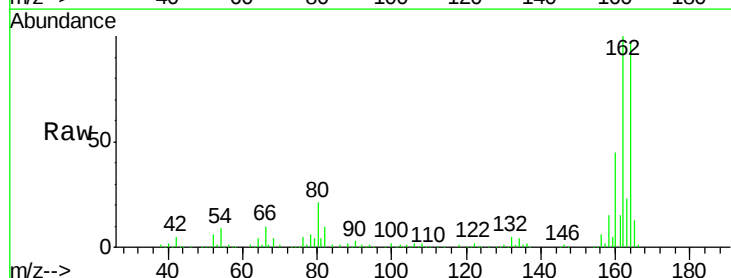


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

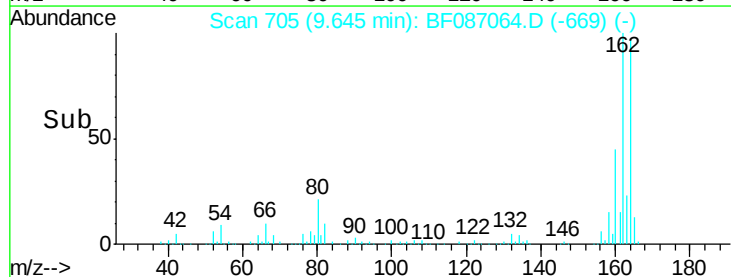
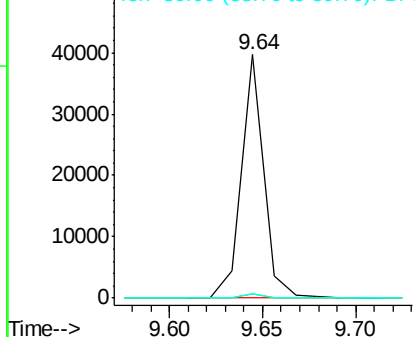


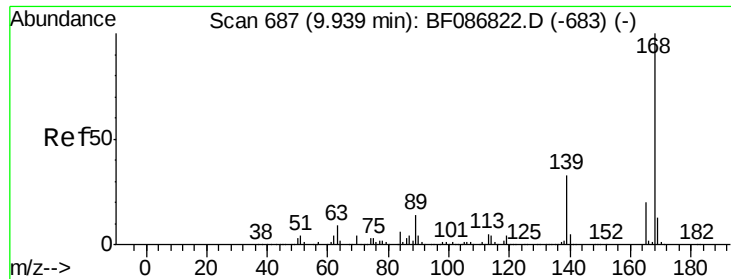
#50
 2,6-Dinitrotoluene
 Concen: 8.08 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087064.D
 Acq: 15 May 2016 12:34

Tgt Ion:165 Resp: 33328
 Ion Ratio Lower Upper
 165 100
 63 1.9 51.8 77.8#
 89 1.8 50.7 76.1#



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

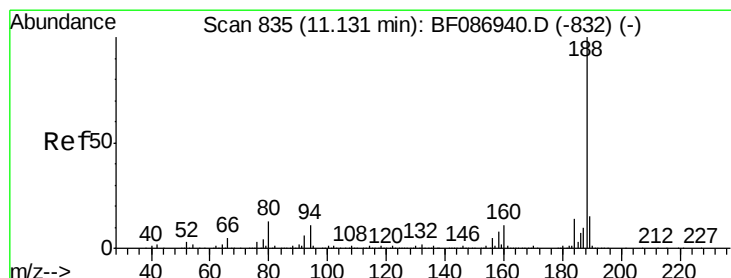
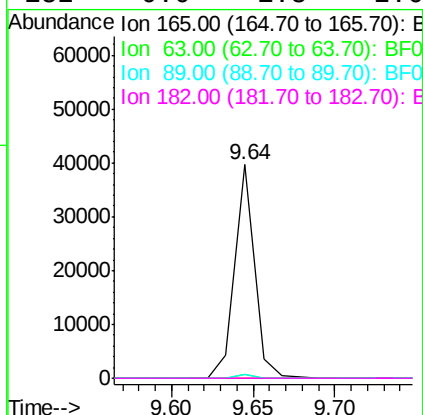
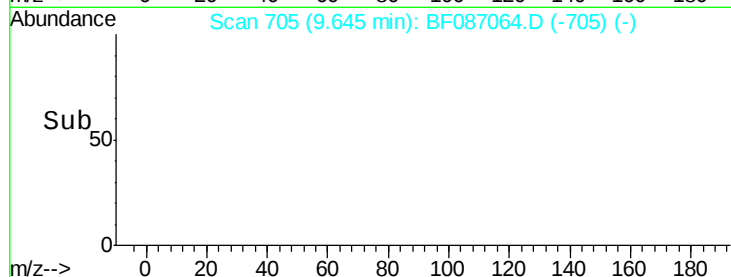
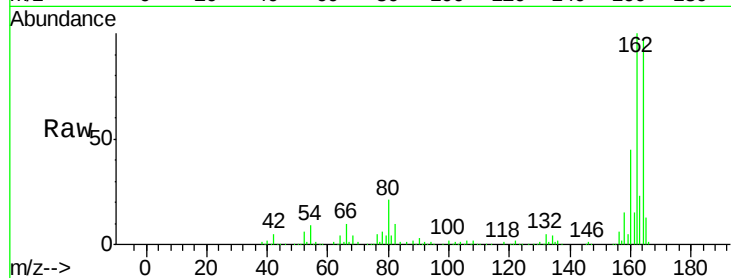




#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087064.D
 Acq: 15 May 2016 12:34

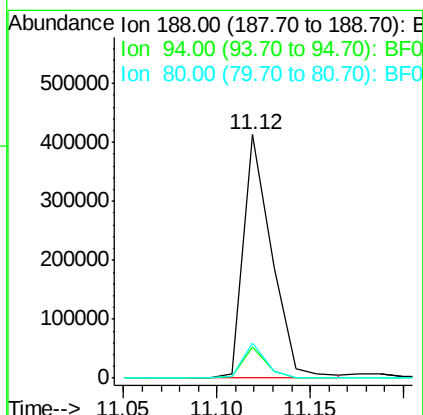
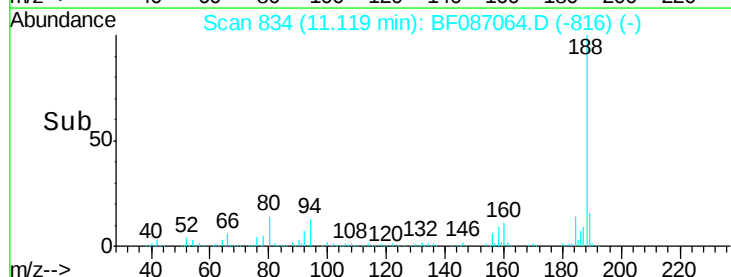
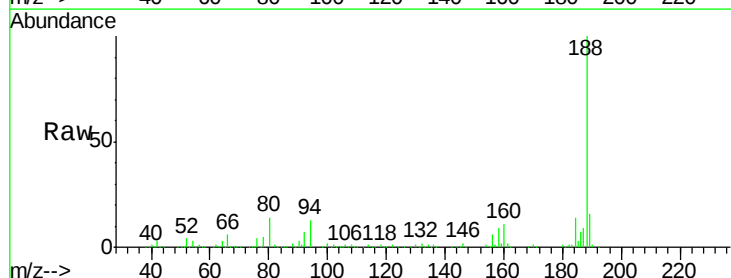
Instrument :
 BNA_F
 ClientSampleId :
 W-13

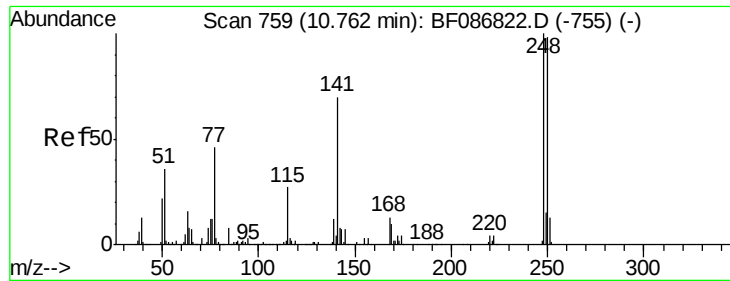
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	1.8	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087064.D
 Acq: 15 May 2016 12:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.8	10.2#
80	14.1	7.1	10.7#

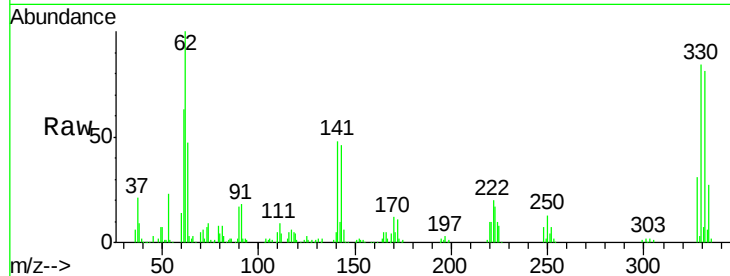




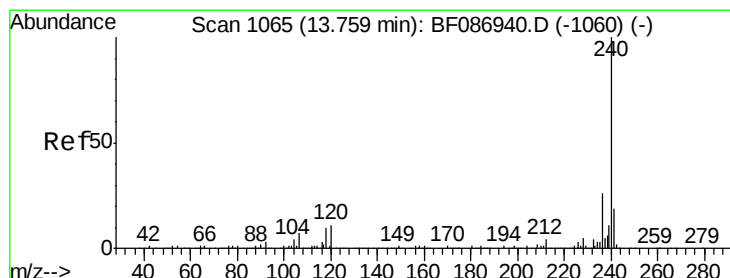
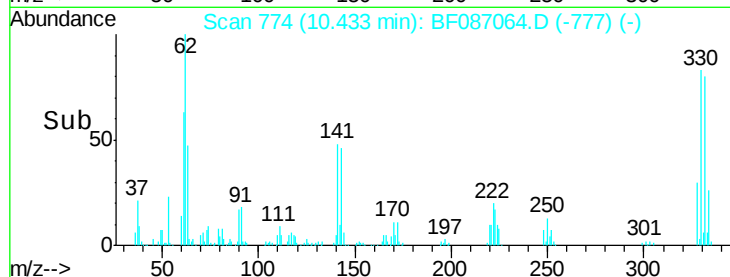
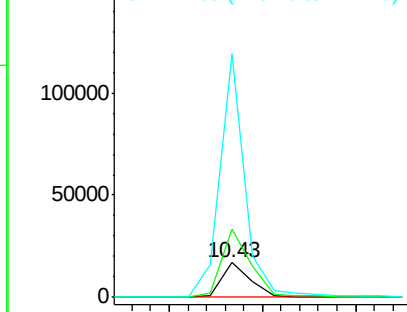
#66
4-Bromophenyl-phenylether
Concen: 4.15 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Instrument :
BNA_F
ClientSampleId :
W-13

Tgt Ion:248 Resp: 18309
Ion Ratio Lower Upper
248 100
250 198.8 78.6 117.8#
141 706.6 76.0 114.0#

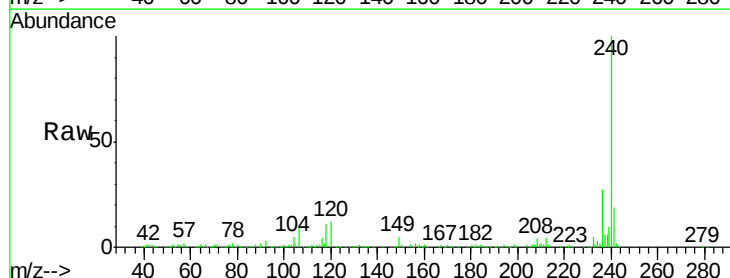


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

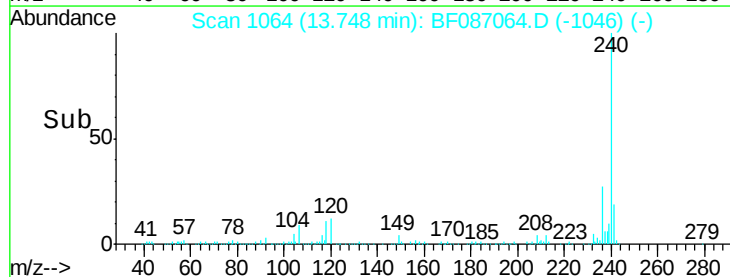
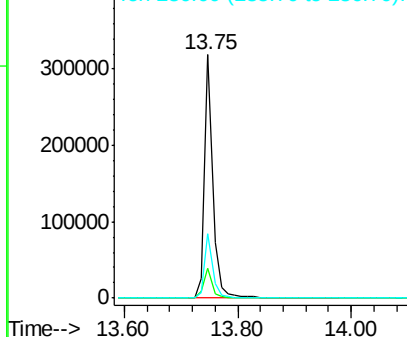


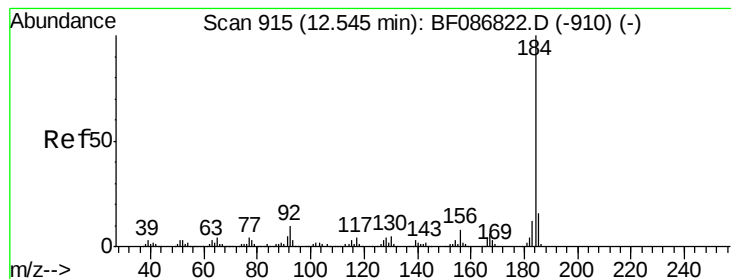
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.09 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Tgt Ion:240 Resp: 312036
Ion Ratio Lower Upper
240 100
120 12.4 11.2 16.8
236 26.7 21.2 31.8



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





#76

Benzidine

Concen: 2.31 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

Instrument :

BNA_F

ClientSampleId :

W-13

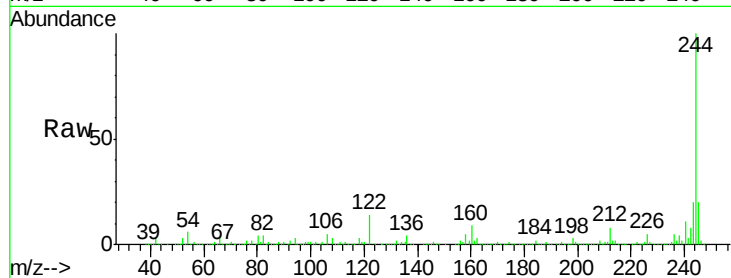
Tgt Ion:184 Resp: 18339

Ion Ratio Lower Upper

184 100

185 17.1 13.6 20.4

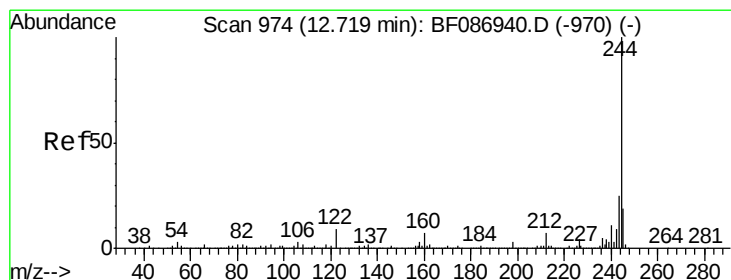
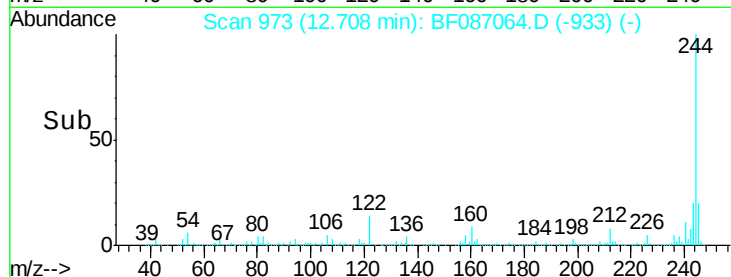
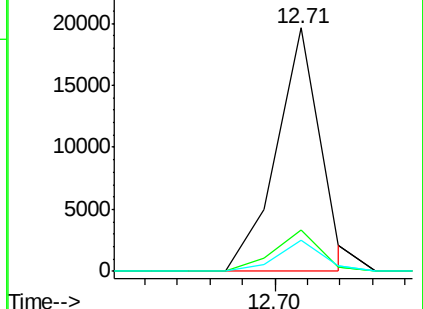
183 12.9 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 77.08 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087064.D

Acq: 15 May 2016 12:34

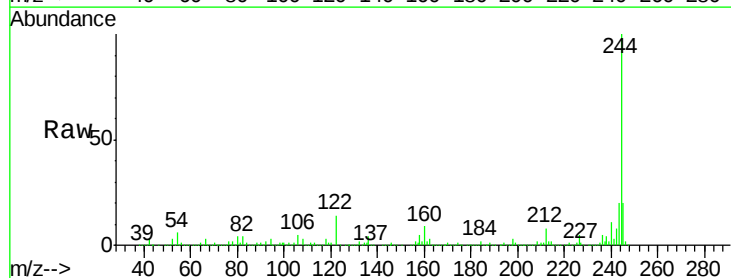
Tgt Ion:244 Resp: 1133603

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

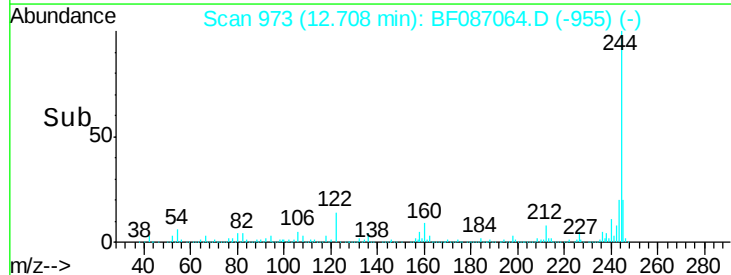
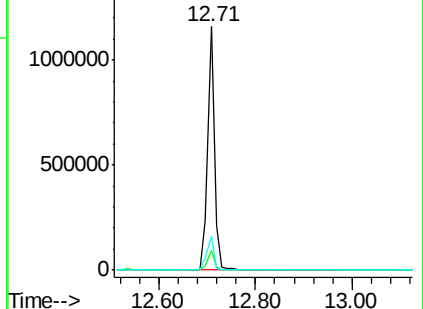
122 13.7 12.0 18.0

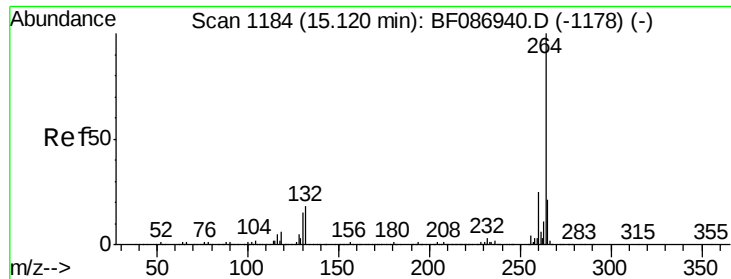


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087064.D
Acq: 15 May 2016 12:34

Instrument :
BNA_F
ClientSampleId :
W-13

Tgt Ion: 264 Resp: 289533
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.1 17.3 25.9

