

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
 Data File : BF080113.D
 Acq On : 23 Jun 2015 2:28
 Operator : TP/IZ
 Sample : G2715-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 76-INFIELD(0-2)-6

Quant Time: Jun 23 05:00:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

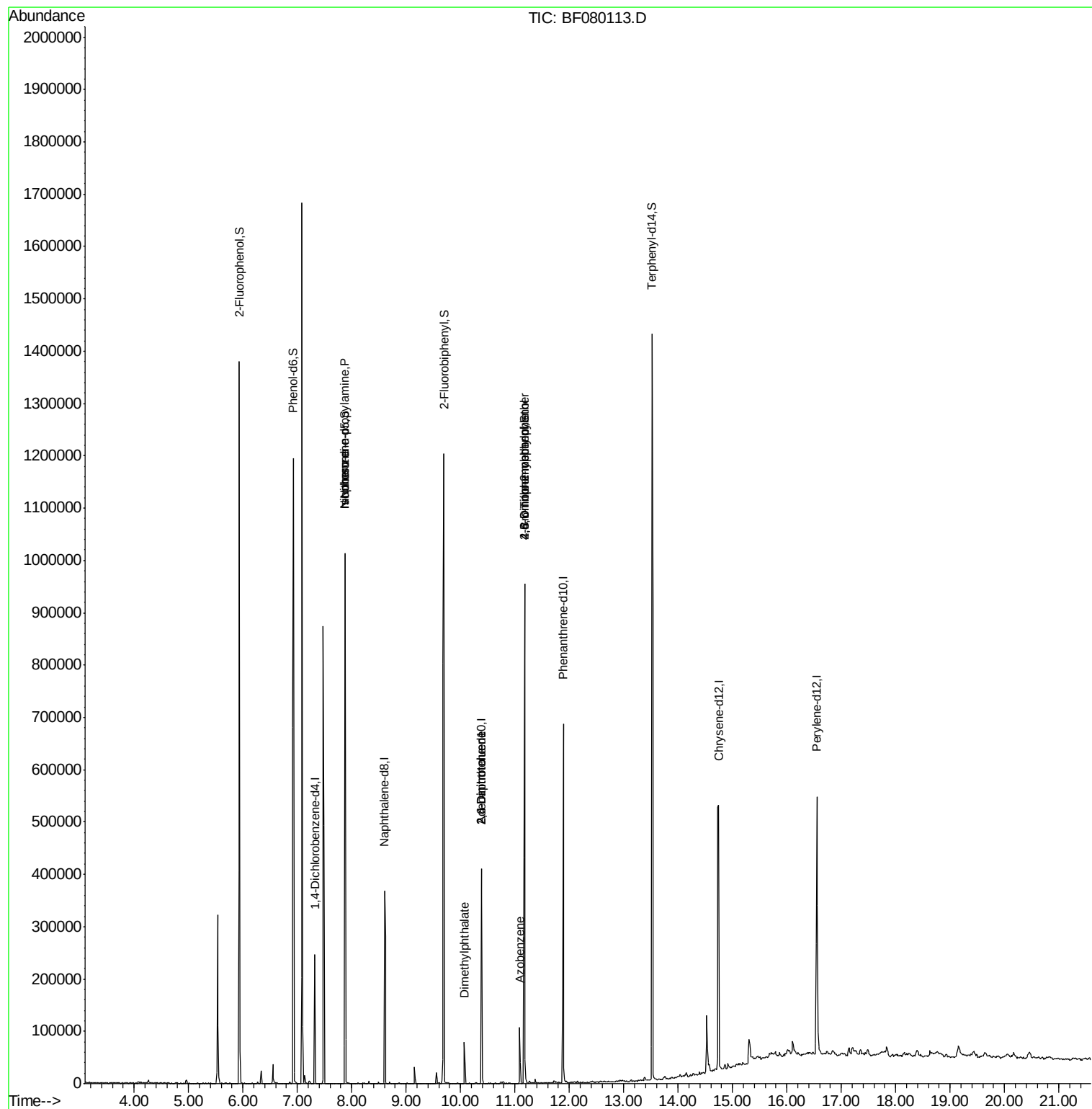
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	54814	20.00	ng	0.00
21) Naphthalene-d8	8.61	136	220272	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	115377	20.00	ng	-0.01
63) Phenanthrene-d10	11.89	188	253552	20.00	ng	-0.02
75) Chrysene-d12	14.75	240	279814	20.00	ng	-0.25
86) Perylene-d12	16.55	264	276029	20.00	ng	-0.38
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	364164	117.60	ng	0.00
7) Phenol-d6	6.93	99	487816	118.38	ng	0.00
23) Nitrobenzene-d5	7.88	82	277624	73.37	ng	0.00
41) 2,4,6-Tribromophenol	11.18	330	123330	109.31	ng	0.00
44) 2-Fluorobiphenyl	9.69	172	496165	61.33	ng	0.00
78) Terphenyl-d14	13.52	244	584969	48.82	ng	-0.15
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.88	70	36047	12.60	ng	# 60
25) Isophorone	7.88	82	277618	36.46	ng	# 58
49) Dimethylphthalate	10.07	163	39468	4.55	ng	# 95
50) 2,6-Dinitrotoluene	10.38	165	14685	8.44	ng	# 37
56) 2,4-Dinitrotoluene	10.38	165	14683	6.65	ng	# 31
62) Azobenzene	11.09	77	23506	2.64	ng	# 25
64) 4,6-Dinitro-2-methylphenol	11.18	198	252	3.72	ng	# 1
66) 4-Bromophenyl-phenylether	11.18	248	8626	3.20	ng	# 1

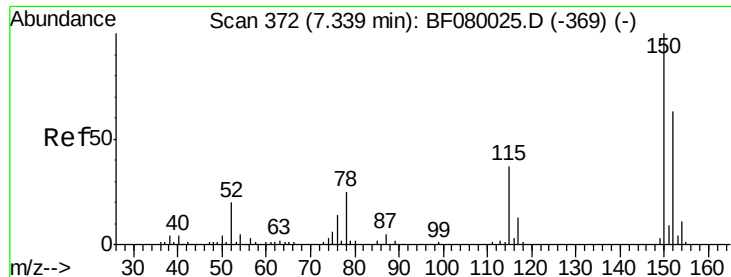
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062215\
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76-INFIELD(0-2)-6

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Instrument :

BNA_F

ClientSampleId :

76-INFIELD(0-2)-6

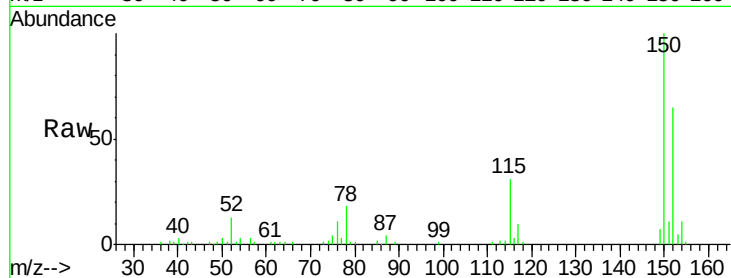
Tgt Ion:152 Resp: 54814

Ion Ratio Lower Upper

152 100

150 153.4 124.7 187.1

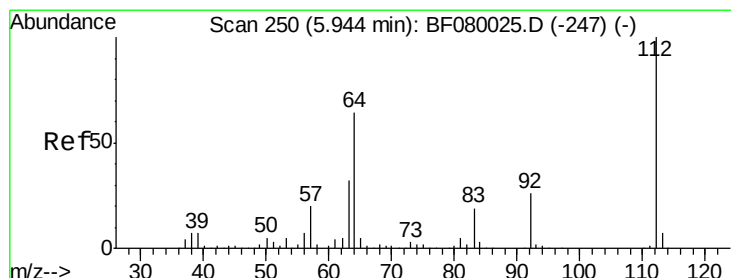
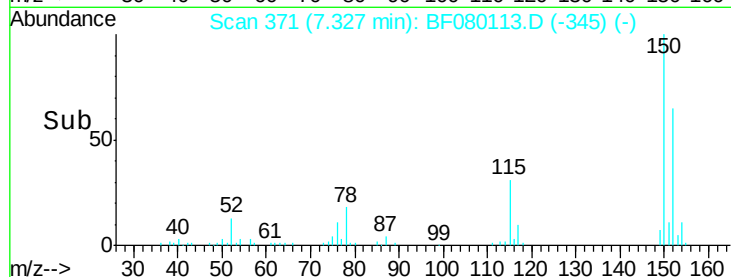
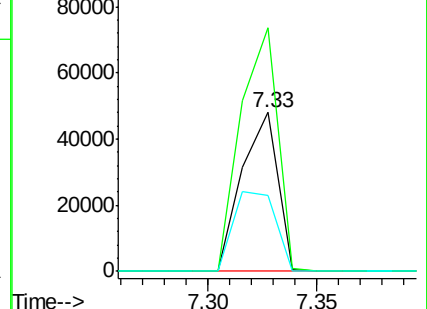
115 47.9 39.0 58.4



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: 117.60 ng

RT: 5.93 min Scan# 249

Delta R.T. -0.00 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

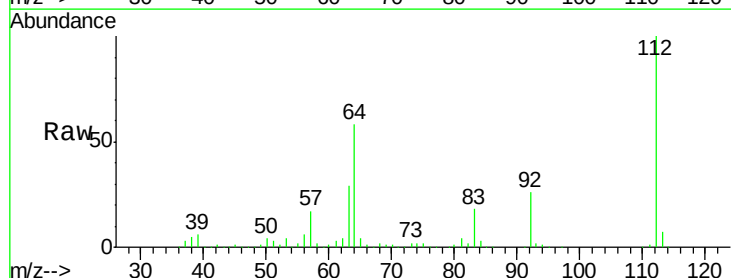
Tgt Ion:112 Resp: 364164

Ion Ratio Lower Upper

112 100

64 57.8 39.7 59.5

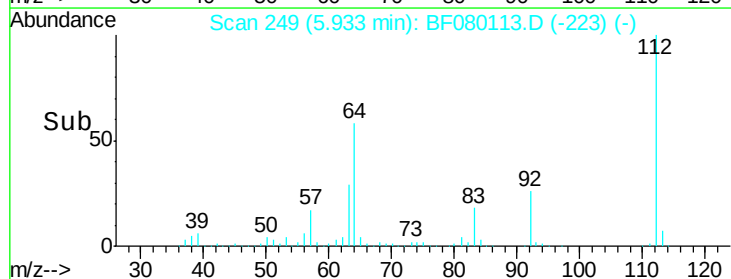
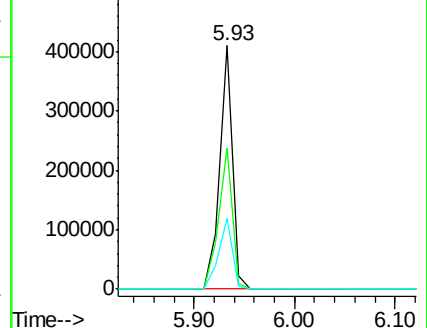
63 29.3 17.4 26.0#

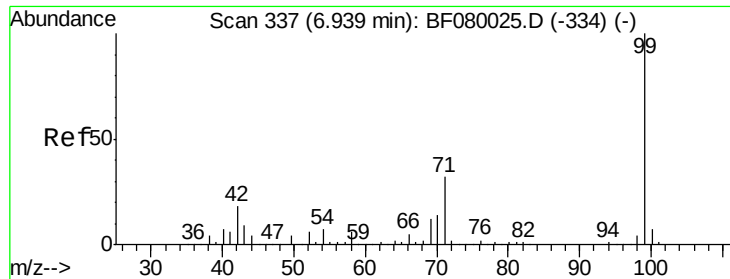


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.38 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.00 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Instrument :

BNA_F

ClientSampleId :

76-INFIELD(0-2)-6

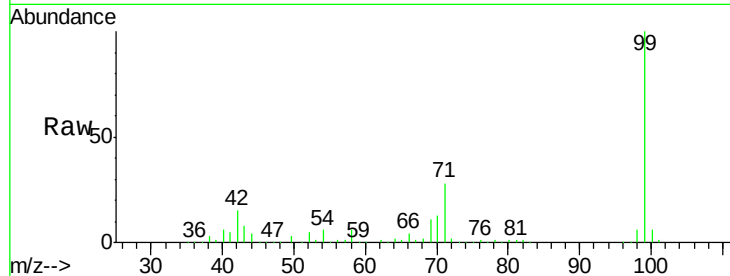
Tgt Ion: 99 Resp: 487816

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

71 28.2 14.2 21.2#



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

6.93

500000

400000

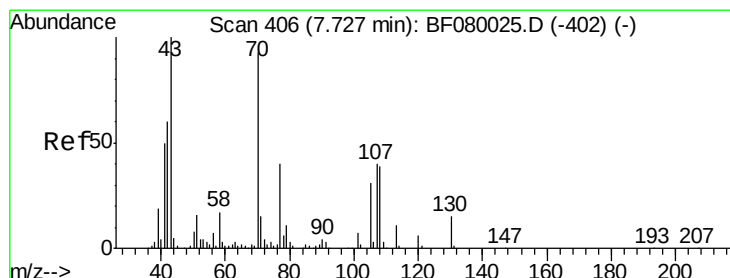
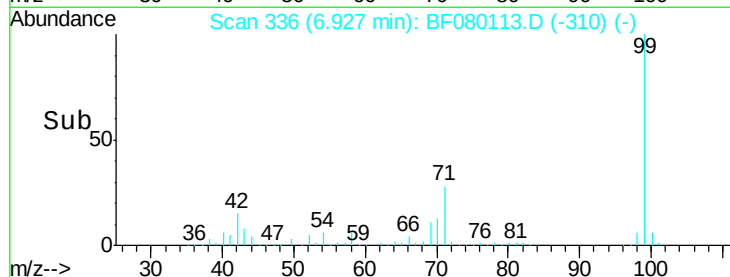
300000

200000

100000

0

Time--> 6.80 6.90 7.00 7.10



#19

n-Nitroso-di-n-propylamine

Concen: 12.60 ng

RT: 7.88 min Scan# 419

Delta R.T. 0.16 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Tgt Ion: 70 Resp: 36047

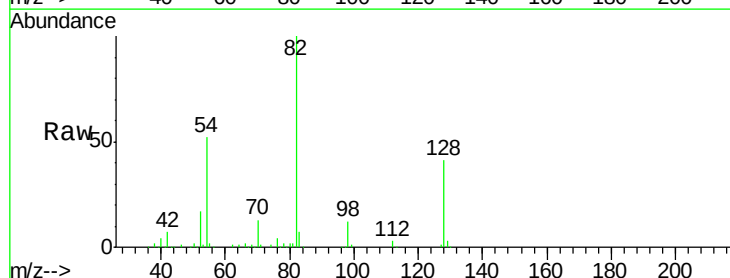
Ion Ratio Lower Upper

70 100

42 49.7 63.8 95.6#

101 0.0 9.2 13.8#

130 2.0 27.3 40.9#



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

7.88

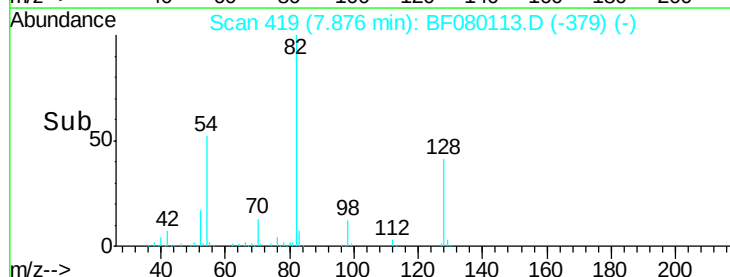
60000

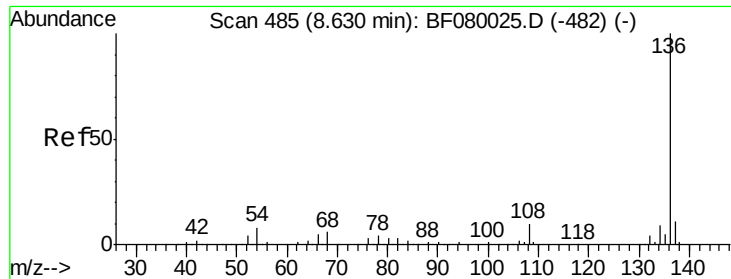
40000

20000

0

Time--> 7.85 7.90

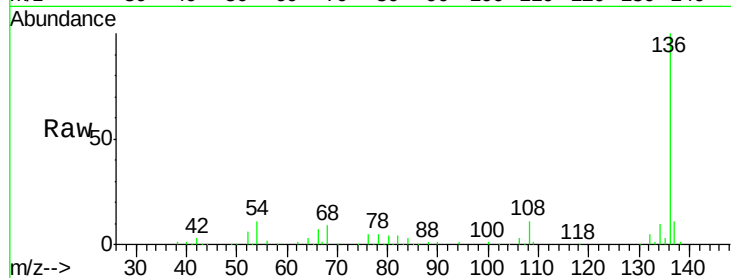




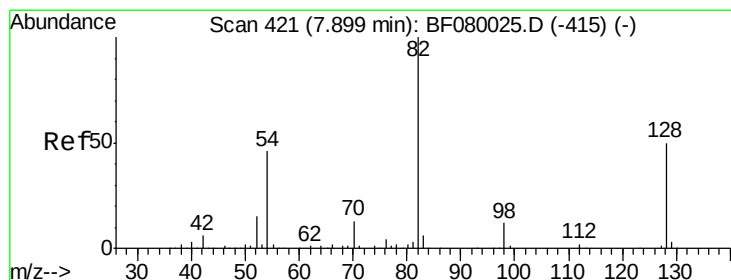
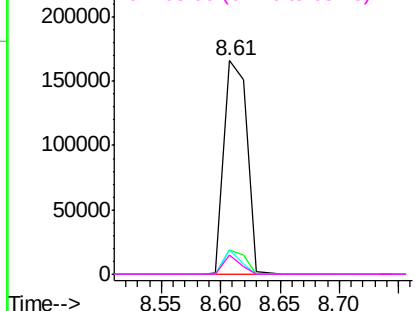
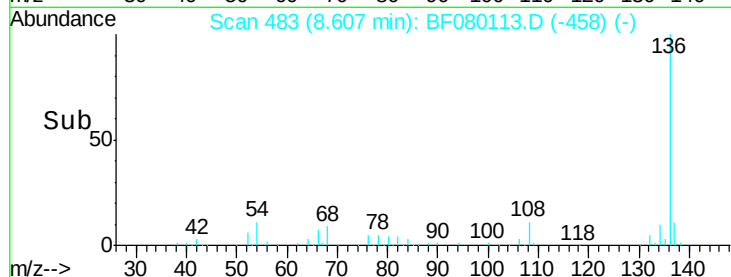
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF080113.D
Acq: 23 Jun 2015 2:28

Instrument :
BNA_F
ClientSampleId :
76-INFIELD(0-2)-6

Tgt Ion:	136	Resp:	220272
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	11.4	8.2	12.2
68	8.7	5.8	8.6#

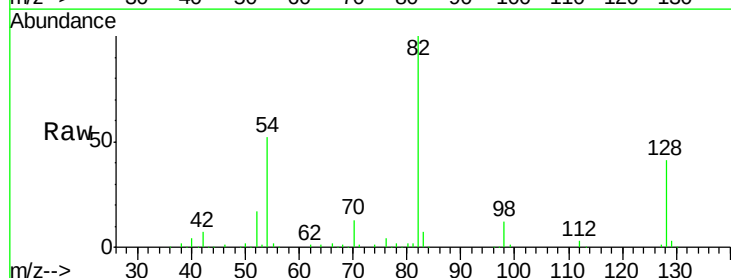


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

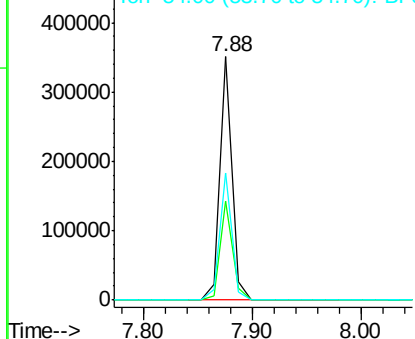
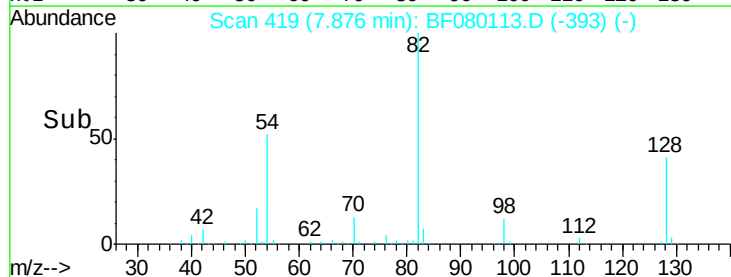


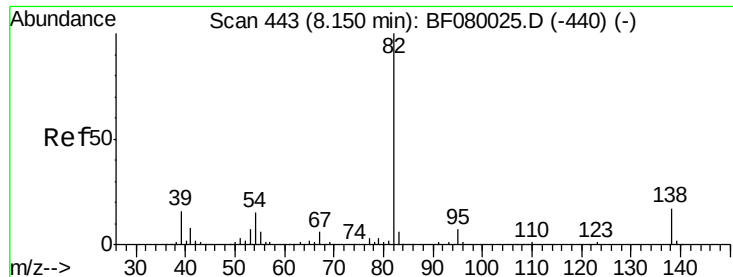
#23
Nitrobenzene-d5
Concen: 73.37 ng
RT: 7.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF080113.D
Acq: 23 Jun 2015 2:28

Tgt Ion:	82	Resp:	277624
Ion	Ratio	Lower	Upper
82	100		
128	40.7	51.0	76.6#
54	52.4	47.5	71.3



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





#25

Isophorone

Concen: 36.46 ng

RT: 7.88 min Scan# 419

Delta R.T. -0.26 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Instrument :

BNA_F

ClientSampleId :

76-INFIELD(0-2)-6

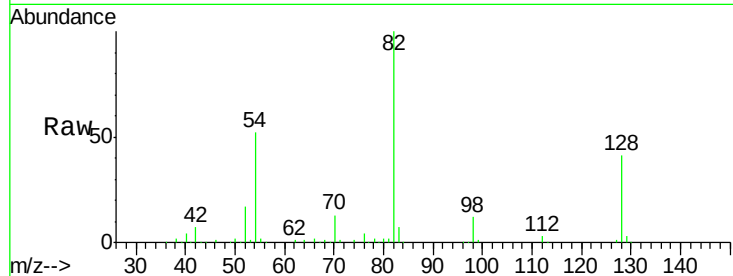
Tgt Ion: 82 Resp: 277618

Ion Ratio Lower Upper

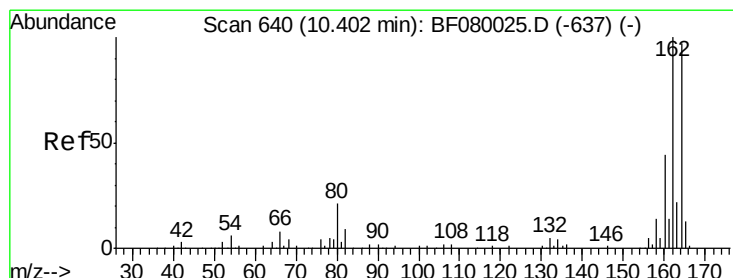
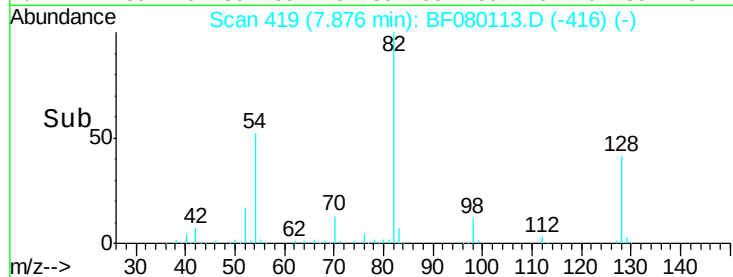
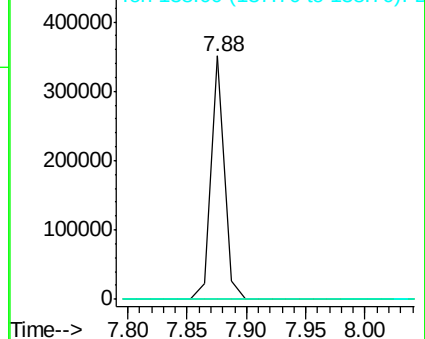
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

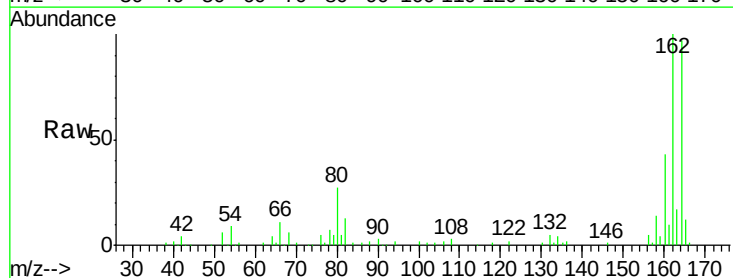
Tgt Ion: 164 Resp: 115377

Ion Ratio Lower Upper

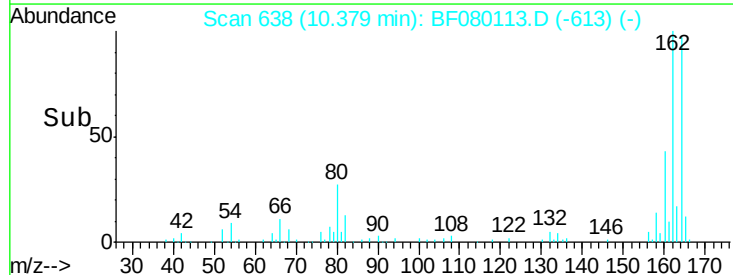
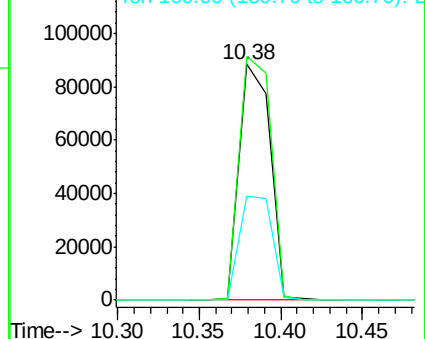
164 100

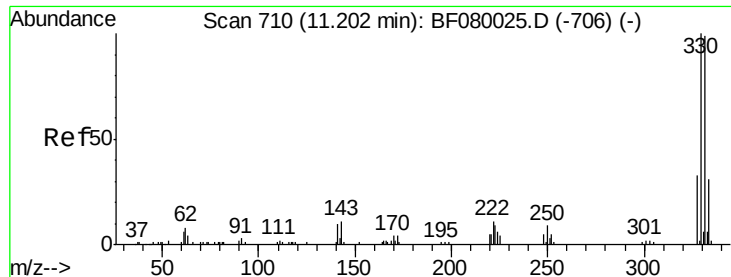
162 103.3 75.2 112.8

160 44.0 31.5 47.3



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

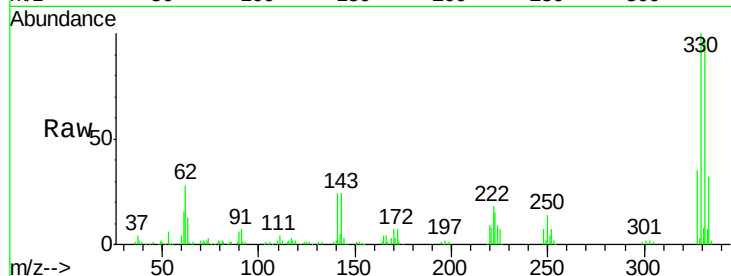




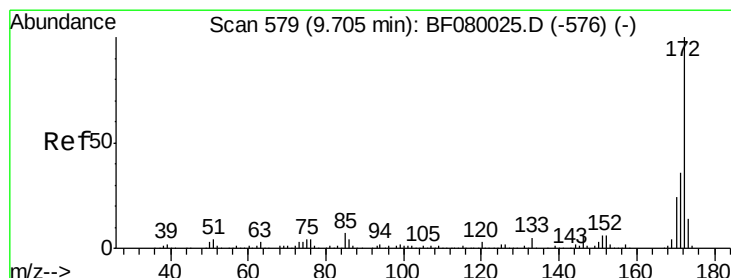
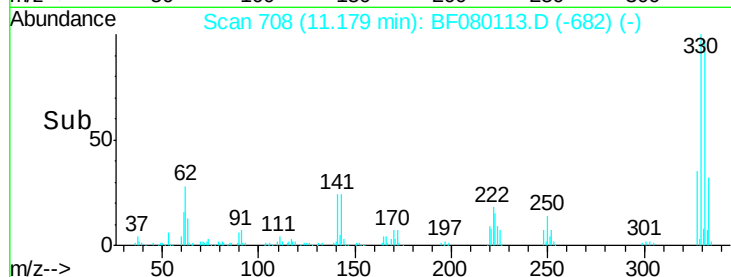
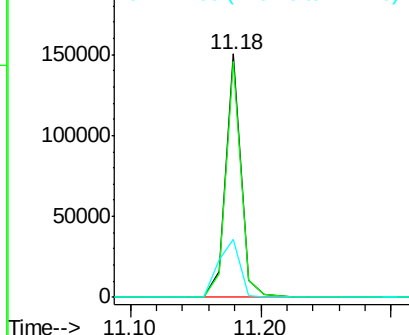
#41
 2,4,6-Tribromophenol
 Concen: 109.31 ng
 RT: 11.18 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

Instrument :
 BNA_F
 ClientSampleId :
 76-INFIELD(0-2)-6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	34.5	29.7	44.5

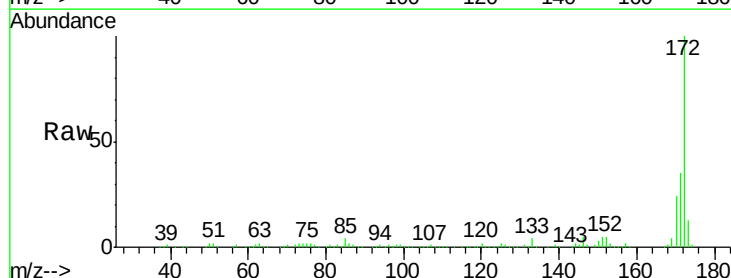


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

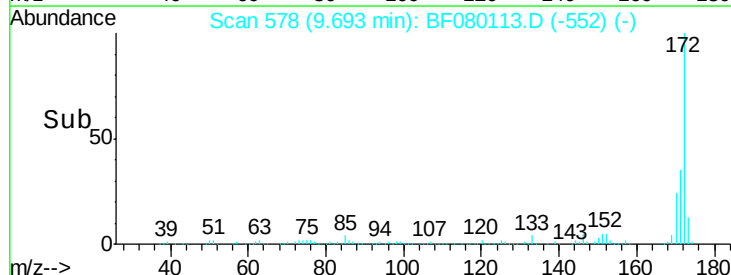
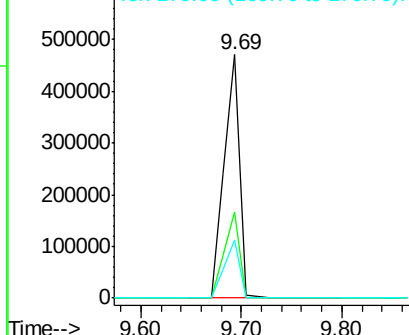


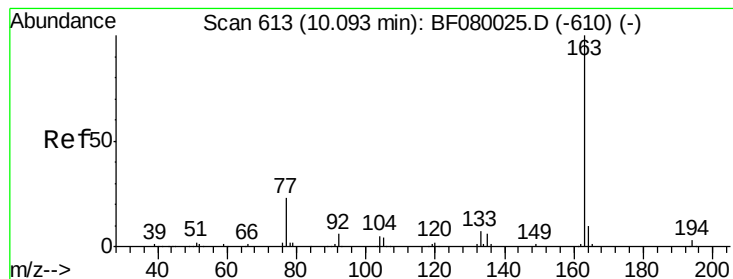
#44
 2-Fluorobiphenyl
 Concen: 61.33 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.1	39.1
170	23.6	17.4	26.2



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





#49

Dimethylphthalate

Concen: 4.55 ng

RT: 10.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Instrument :

BNA_F

ClientSampleId :

76-INFIELD(0-2)-6

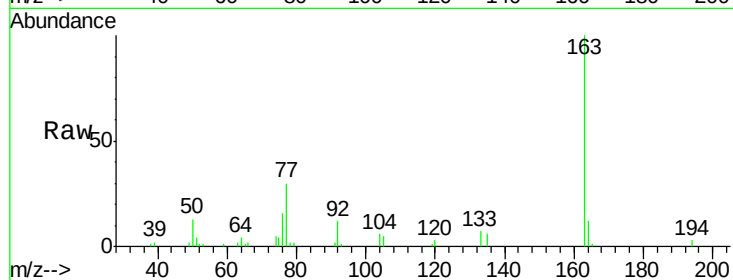
Tgt Ion:163 Resp: 39468

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

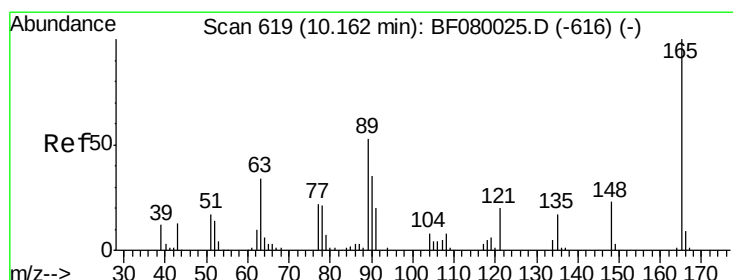
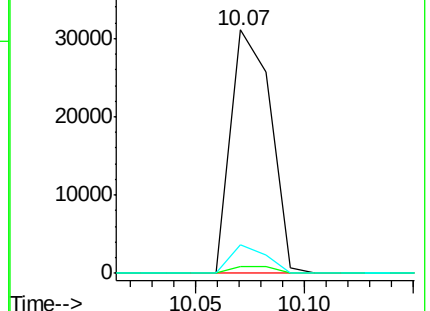
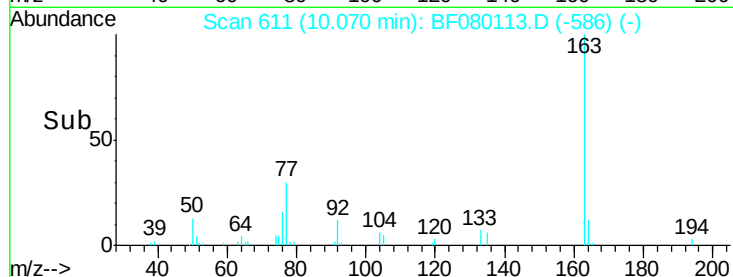
164 11.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.44 ng

RT: 10.38 min Scan# 638

Delta R.T. 0.23 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

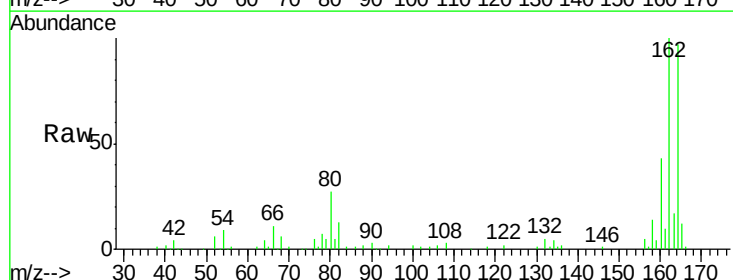
Tgt Ion:165 Resp: 14685

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

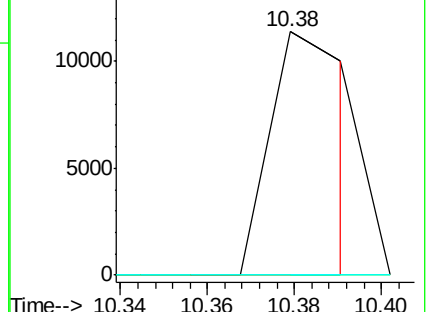
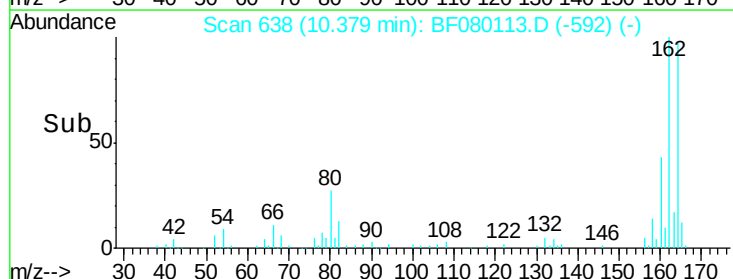
89 0.0 28.6 43.0#

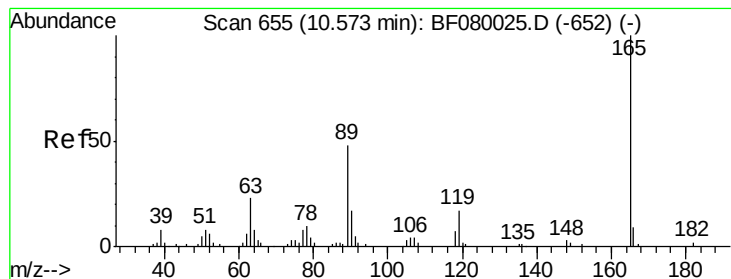


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

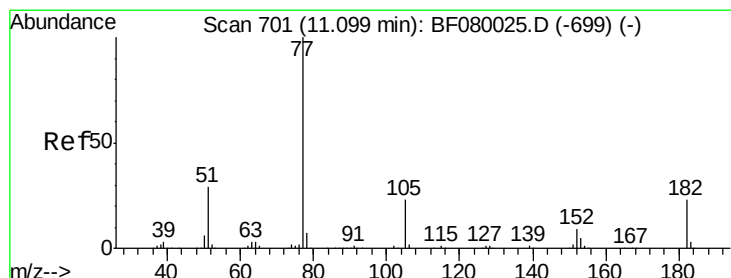
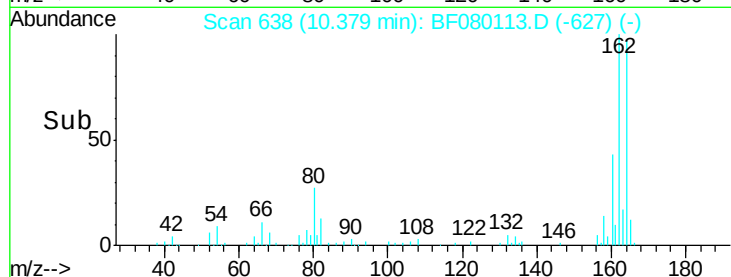
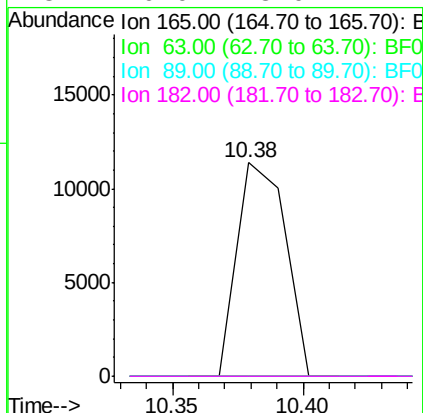
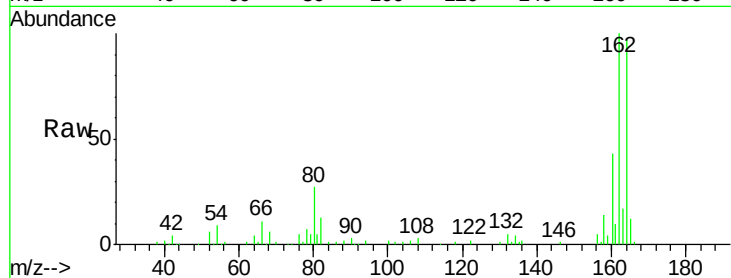




#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 10.38 min Scan# 638
 Delta R.T. -0.17 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

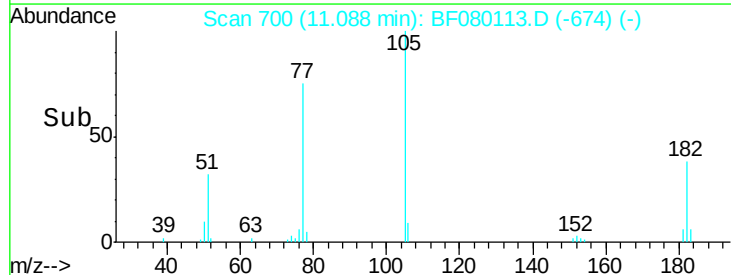
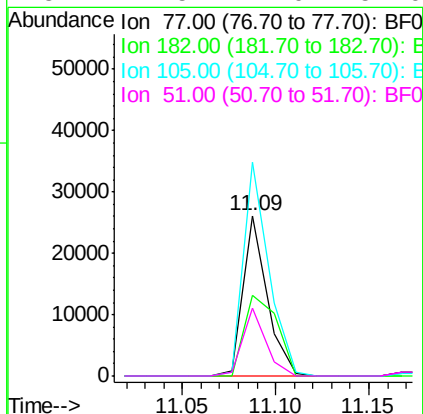
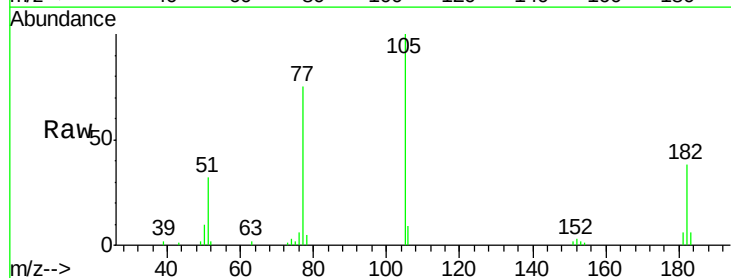
Instrument :
 BNA_F
 ClientSampleId :
 76-INFIELD(0-2)-6

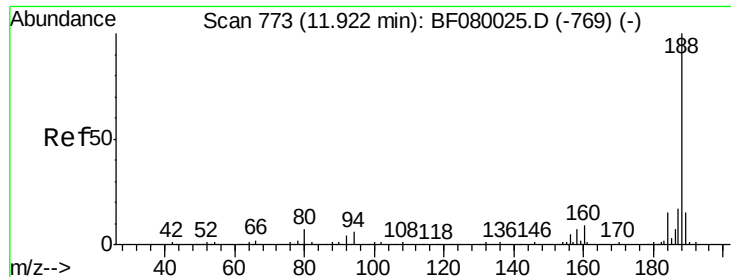
Tgt Ion:	165	Resp:	14683
Ion Ratio	Lower	Upper	
165	100		
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#



#62
 Azobenzene
 Concen: 2.64 ng
 RT: 11.09 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

Tgt Ion:	77	Resp:	23506
Ion Ratio	Lower	Upper	
77	100		
182	50.5	15.1	55.1
105	133.1	3.4	43.4#
51	42.5	12.0	52.0

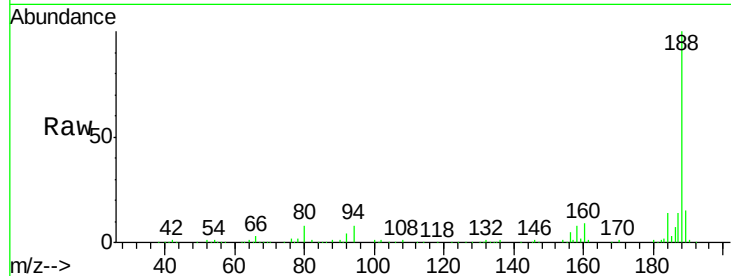




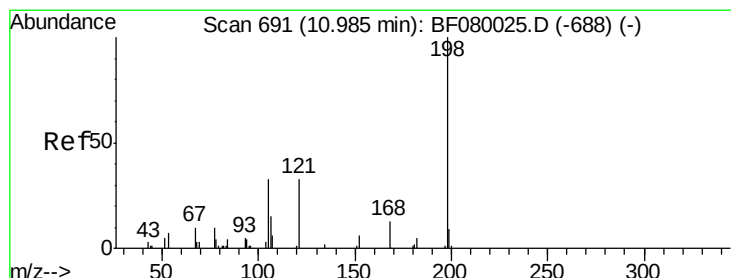
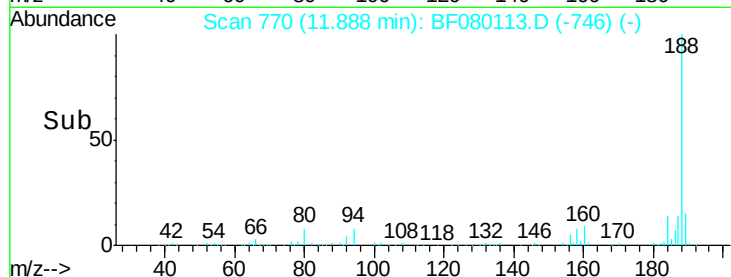
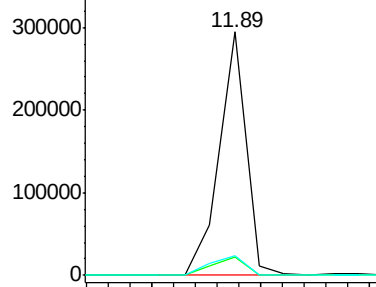
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.02 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

Instrument :
 BNA_F
 ClientSampleId :
 76-INFIELD(0-2)-6

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	11.1	16.7#
80	8.1	11.0	16.4#

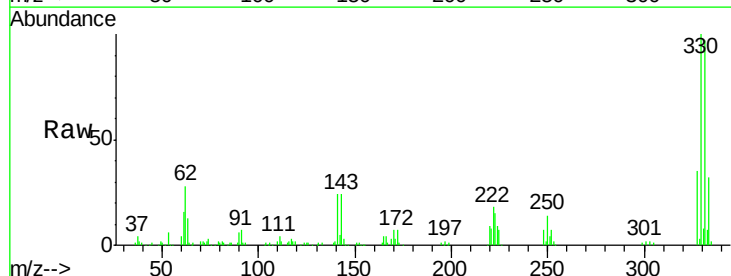


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

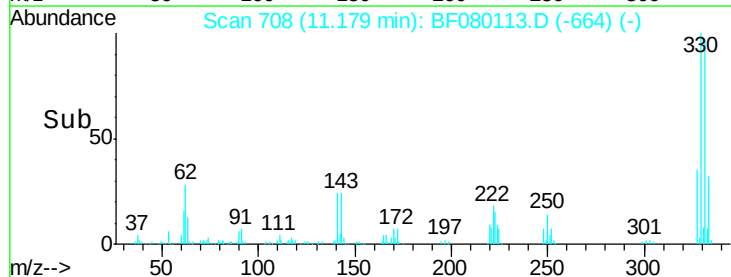
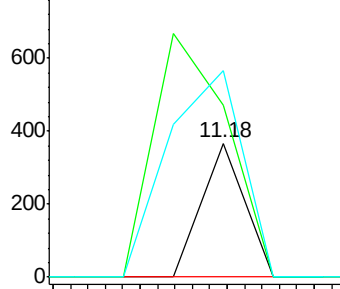


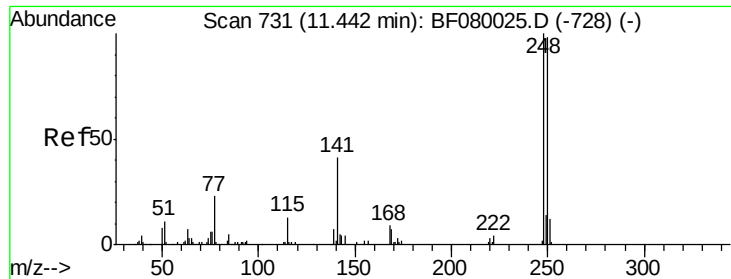
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.72 ng
 RT: 11.18 min Scan# 708
 Delta R.T. 0.21 min
 Lab File: BF080113.D
 Acq: 23 Jun 2015 2:28

Tgt Ion	Ratio	Lower	Upper
198	100		
51	128.9	39.6	79.6#
105	154.5	28.5	68.5#



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

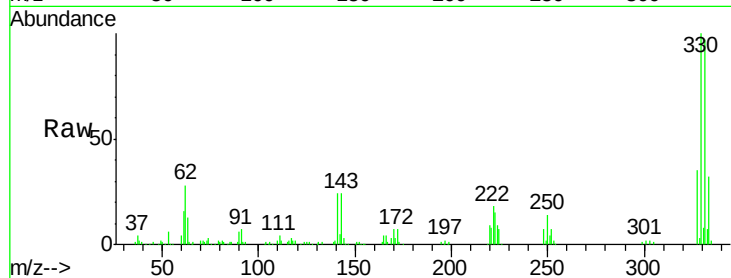




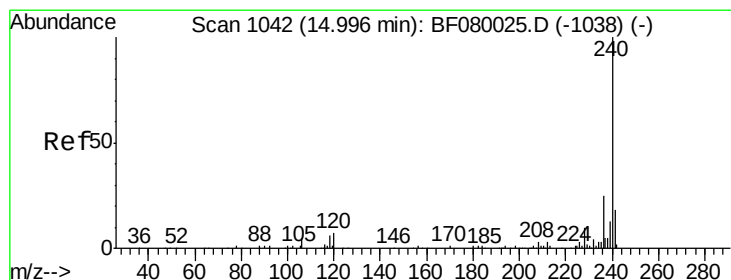
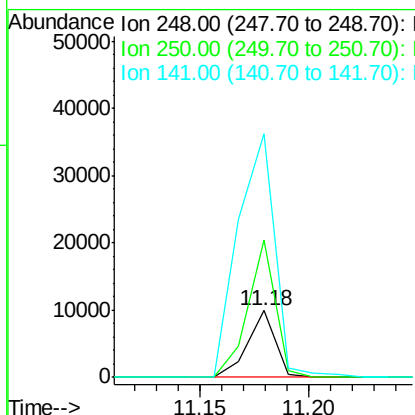
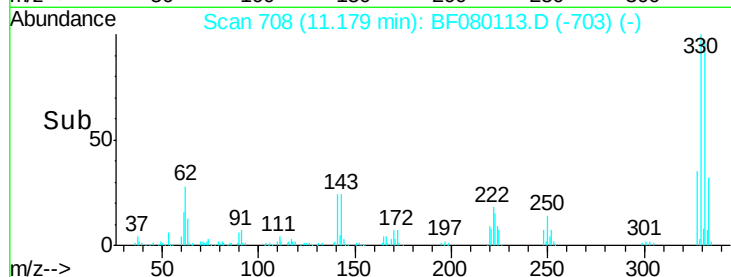
#66
4-Bromophenyl-phenylether
Concen: 3.20 ng
RT: 11.18 min Scan# 708
Delta R.T. -0.24 min
Lab File: BF080113.D
Acq: 23 Jun 2015 2:28

Instrument :
BNA_F
ClientSampleId :
76-INFIELD(0-2)-6

Tgt Ion:248 Resp: 8626
Ion Ratio Lower Upper
248 100
250 206.6 78.5 117.7#
141 365.2 59.0 88.6#

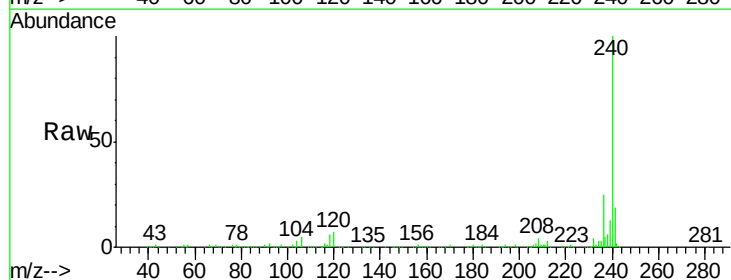


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

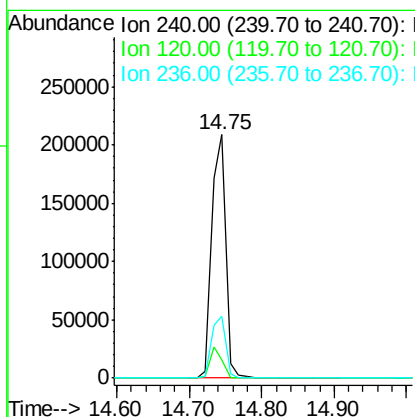
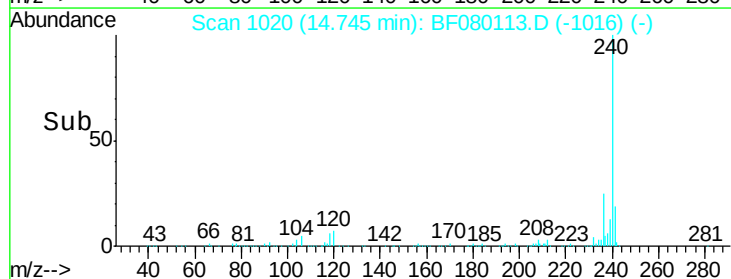


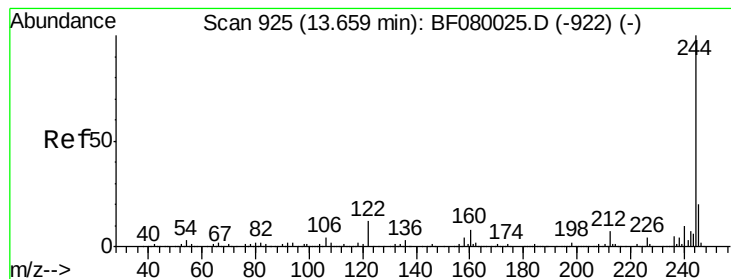
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1020
Delta R.T. -0.25 min
Lab File: BF080113.D
Acq: 23 Jun 2015 2:28

Tgt Ion:240 Resp: 279814
Ion Ratio Lower Upper
240 100
120 7.3 16.2 24.2#
236 25.2 18.4 27.6



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: 48.82 ng

RT: 13.52 min Scan# 913

Delta R.T. -0.15 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

Instrument :

BNA_F

ClientSampleId :

76-INFIELD(0-2)-6

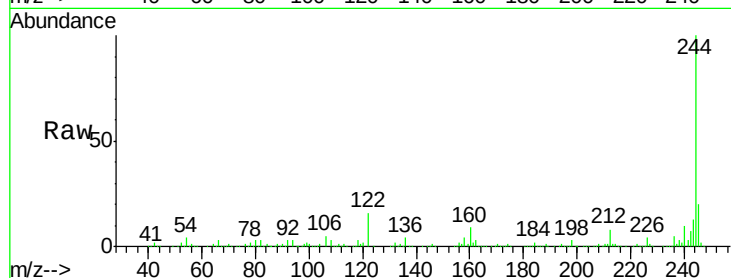
Tgt Ion:244 Resp: 584969

Ion Ratio Lower Upper

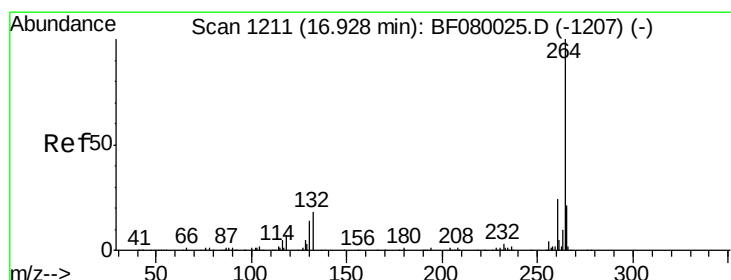
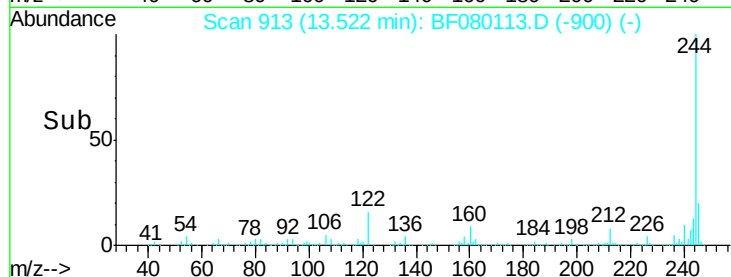
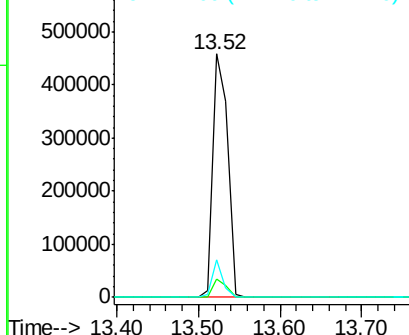
244 100

212 7.7 4.3 6.5#

122 15.6 17.4 26.2#



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: 16.55 min Scan# 1178

Delta R.T. -0.38 min

Lab File: BF080113.D

Acq: 23 Jun 2015 2:28

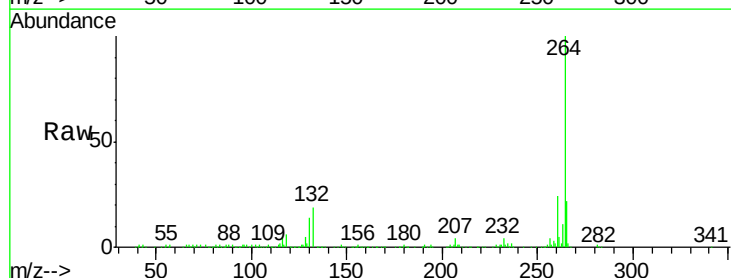
Tgt Ion:264 Resp: 276029

Ion Ratio Lower Upper

264 100

260 24.2 16.7 25.1

265 22.2 17.2 25.8



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

