

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031915\
 Data File : BF077854.D
 Acq On : 20 Mar 2015 4:19
 Operator : TP/IZ
 Sample : G1573-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Quant Time: Mar 20 05:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 20 06:30:20 2015
 Response via : Initial Calibration

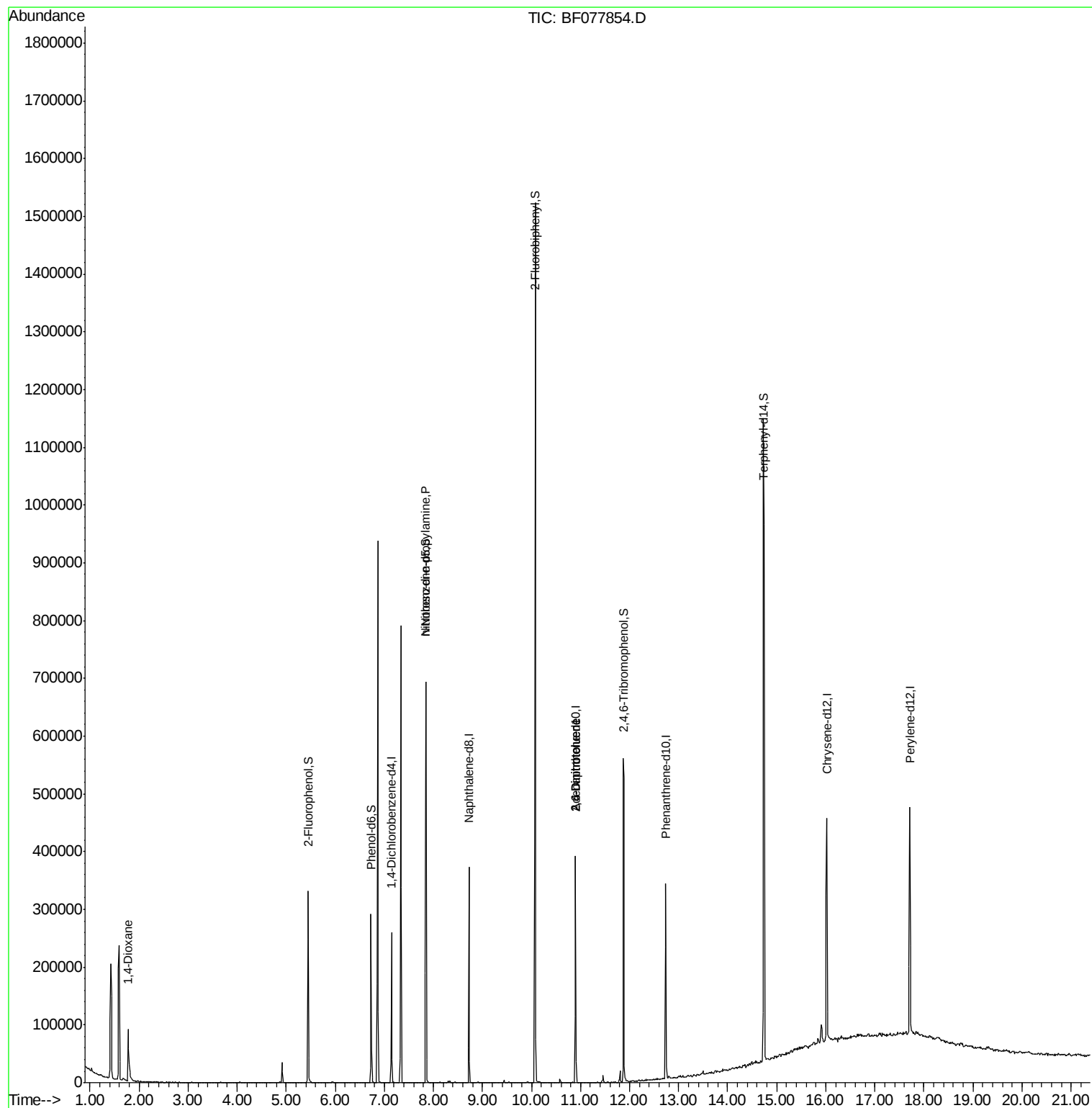
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.15	152	39958	20.00	ng	0.00
21) Naphthalene-d8	8.73	136	169611	20.00	ng	0.00
38) Acenaphthene-d10	10.90	164	83576	20.00	ng	0.00
63) Phenanthrene-d10	12.74	188	164450	20.00	ng	0.00
75) Chrysene-d12	16.02	240	180860	20.00	ng	-0.01
86) Perylene-d12	17.71	264	172636	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	132679	57.96	ng	0.01
7) Phenol-d6	6.73	99	104936	37.10	ng	0.00
23) Nitrobenzene-d5	7.85	82	225765	87.25	ng	0.00
41) 2,4,6-Tribromophenol	11.88	330	97079	121.40	ng	0.00
44) 2-Fluorobiphenyl	10.08	172	496531	87.31	ng	0.00
78) Terphenyl-d14	14.74	244	530066	71.59	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.78	88	3426	3.30	ng	# 100
19) n-Nitroso-di-n-propylamine	7.85	70	28666	14.65	ng	# 79
50) 2,6-Dinitrotoluene	10.90	165	10391	8.09	ng	# 24
56) 2,4-Dinitrotoluene	10.90	165	10392	6.20	ng	# 11

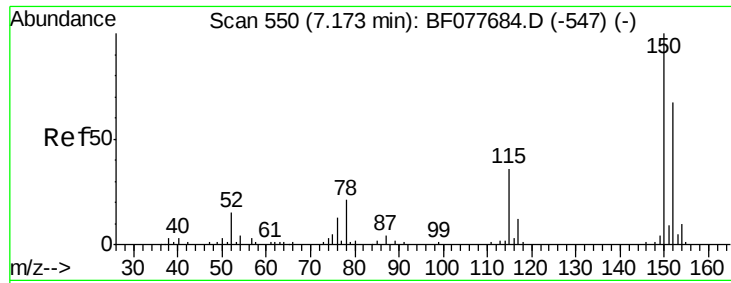
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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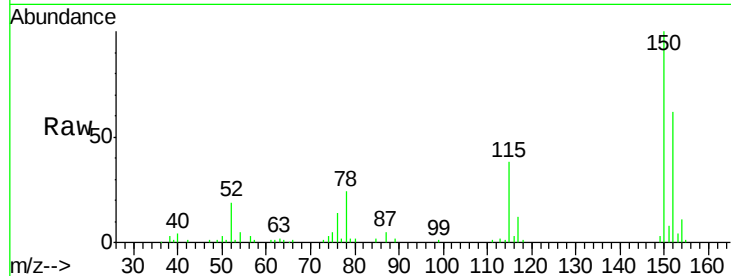




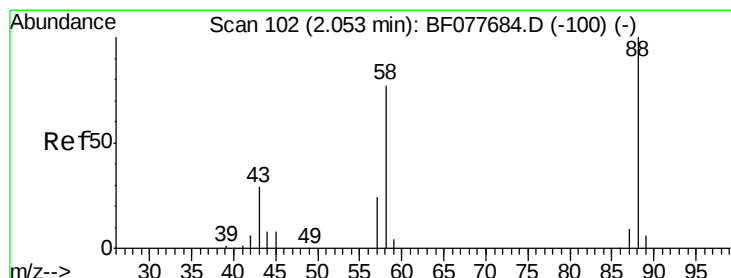
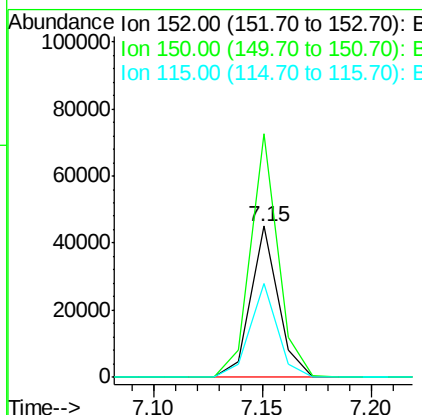
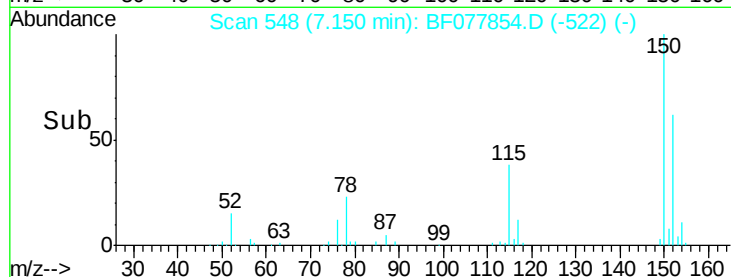
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.15 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.9	119.5	179.3
115	61.8	43.0	64.4

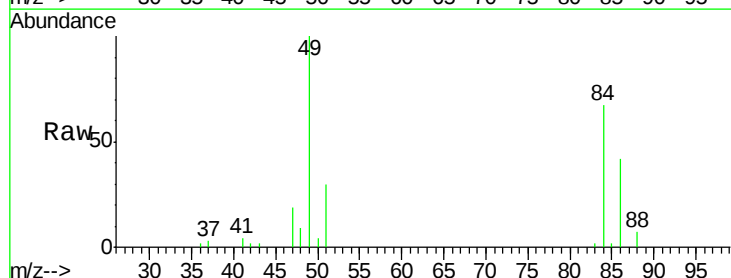


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

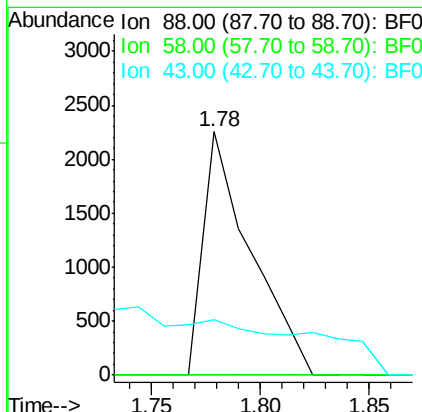
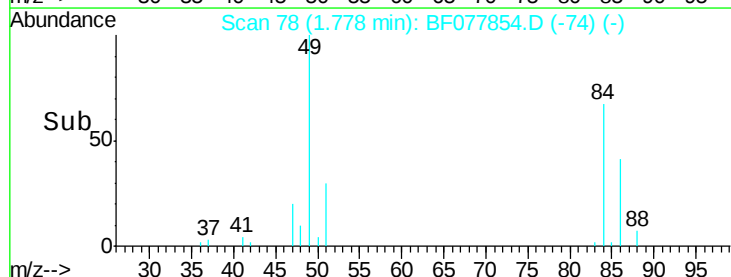


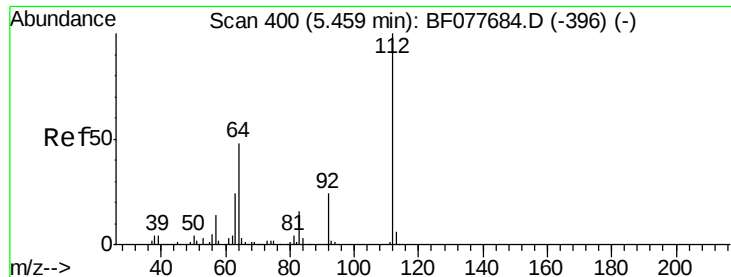
#2
 1,4-Dioxane
 Concen: 3.30 ng
 RT: 1.78 min Scan# 78
 Delta R.T. -0.25 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0



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: 57.96 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

Instrument :

BNA_F

ClientSampled :

MW-23

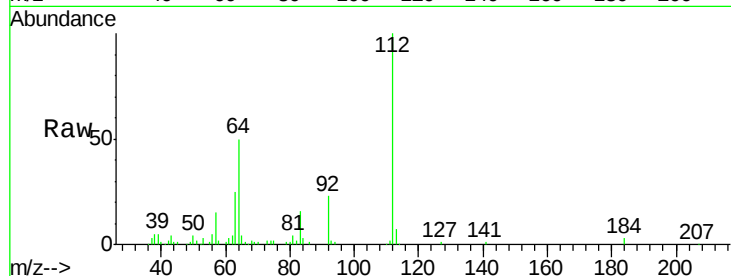
Tgt Ion: 112 Resp: 132679

Ion Ratio Lower Upper

112 100

64 50.1 38.6 57.8

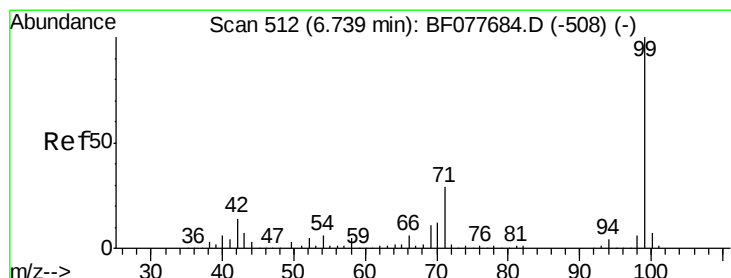
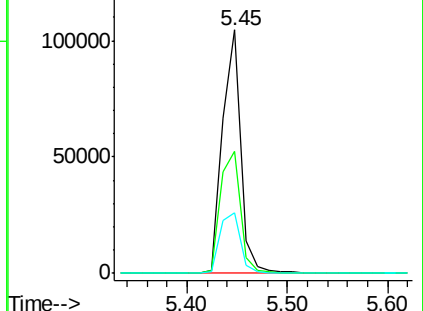
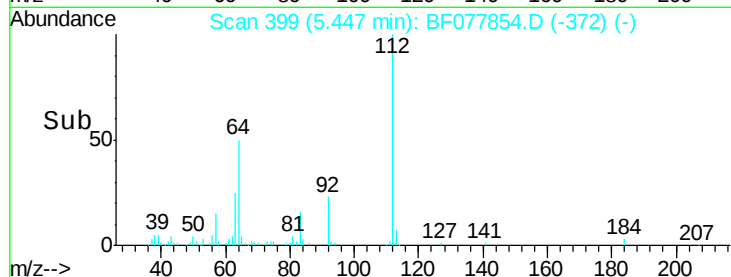
63 25.0 19.3 28.9



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: 37.10 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

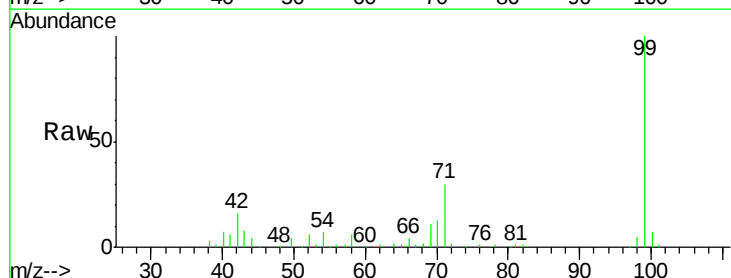
Tgt Ion: 99 Resp: 104936

Ion Ratio Lower Upper

99 100

42 16.0 11.0 16.4

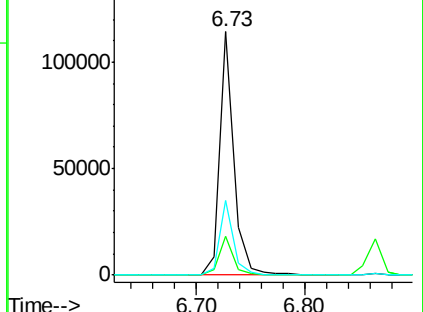
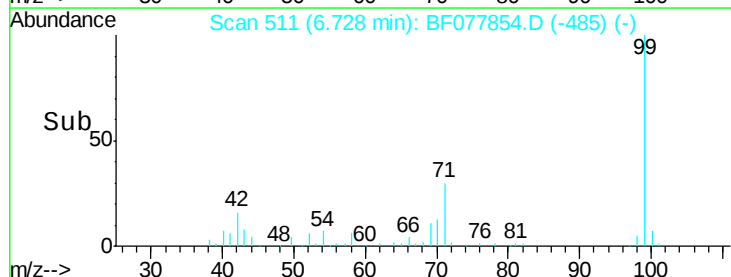
71 30.4 23.4 35.2

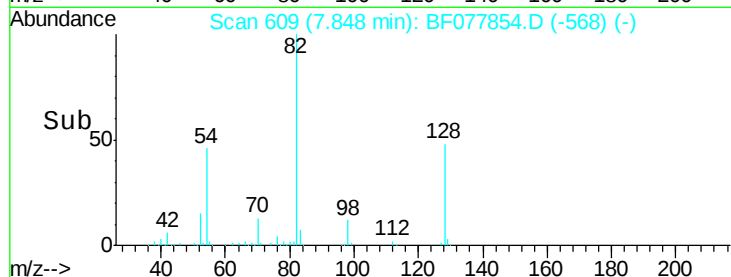
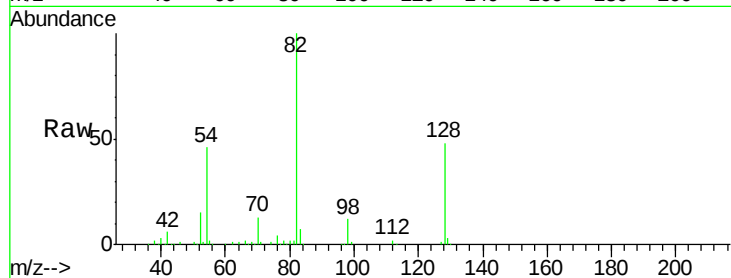
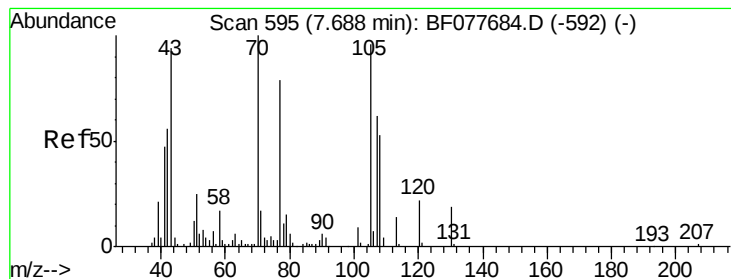


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.65 ng

RT: 7.85 min Scan# 609

Delta R.T. 0.17 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

Instrument :

BNA_F

ClientSampled :

MW-23

Tgt Ion: 70 Resp: 28666

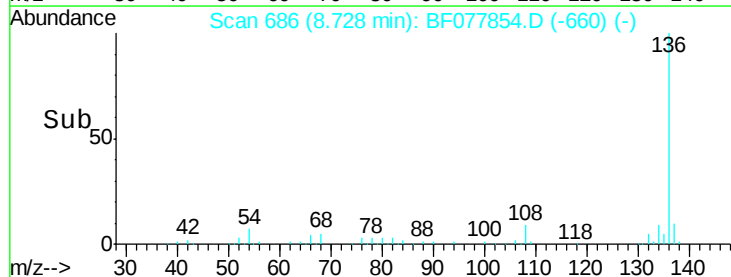
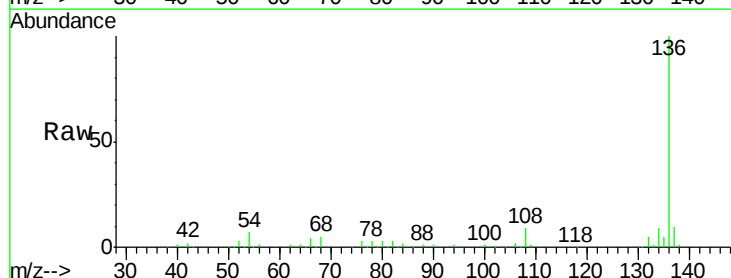
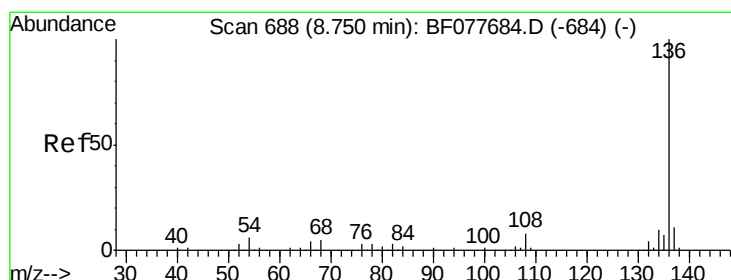
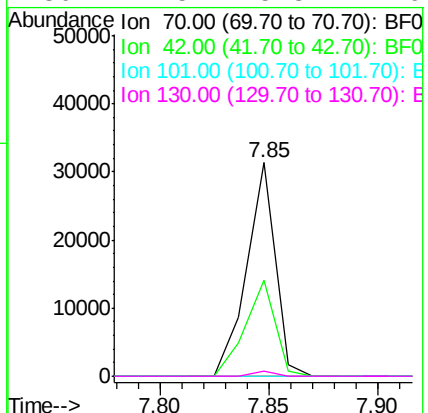
Ion Ratio Lower Upper

70 100

42 45.0 44.5 66.7

101 0.0 7.4 11.2#

130 2.5 15.3 22.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.73 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

Tgt Ion: 136 Resp: 169611

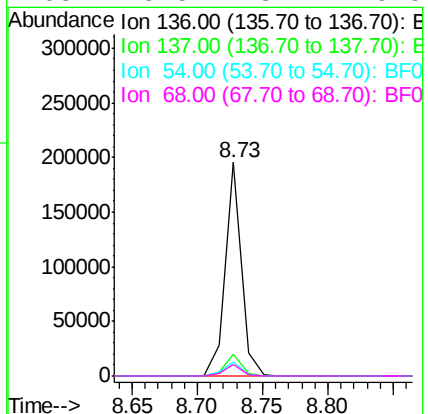
Ion Ratio Lower Upper

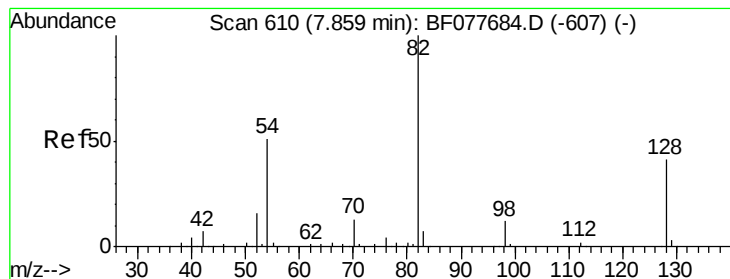
136 100

137 10.5 8.7 13.1

54 6.8 4.6 6.8

68 5.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 87.25 ng

RT: 7.85 min Scan# 609

Delta R.T. 0.00 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

Instrument :

BNA_F

ClientSampleId :

MW-23

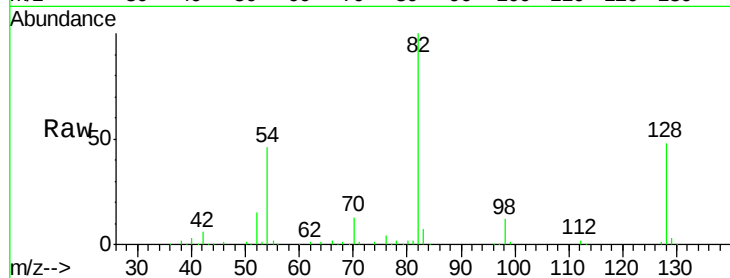
Tgt Ion: 82 Resp: 225765

Ion Ratio Lower Upper

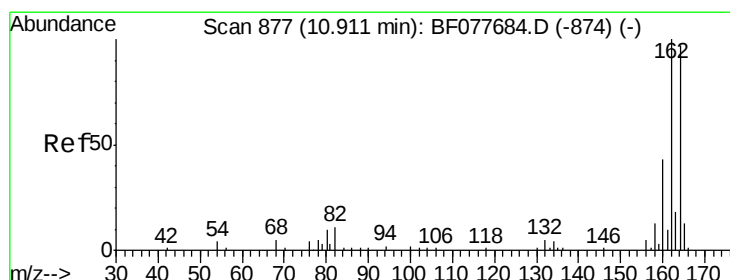
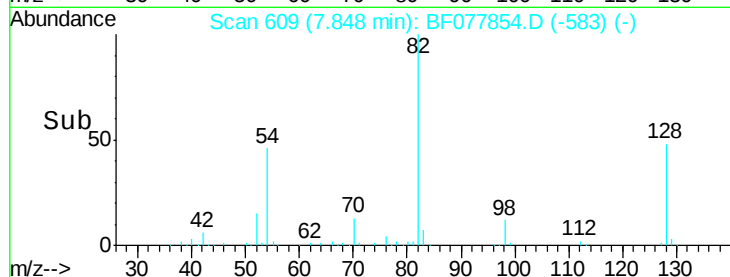
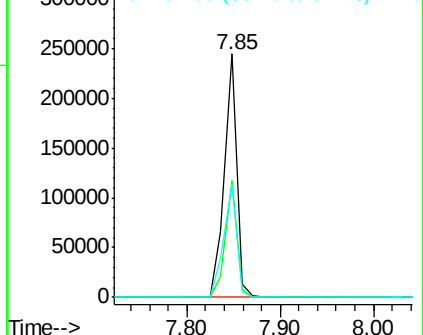
82 100

128 48.1 32.8 49.2

54 46.3 40.6 60.8



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: 10.90 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

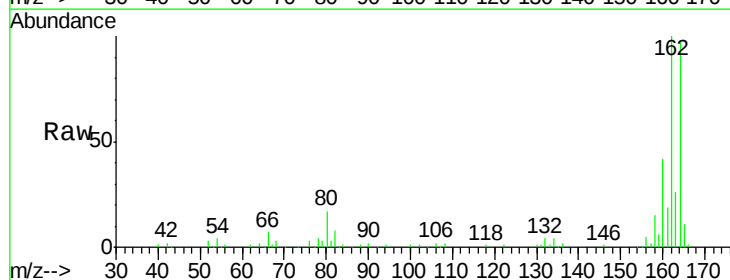
Tgt Ion: 164 Resp: 83576

Ion Ratio Lower Upper

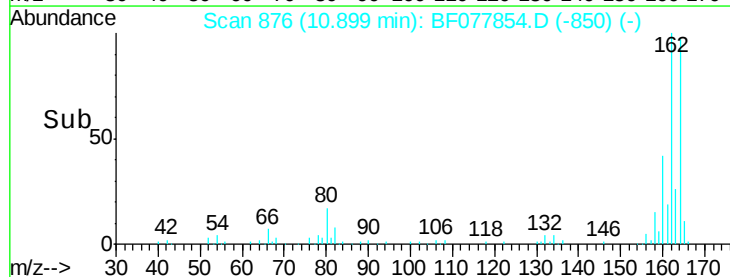
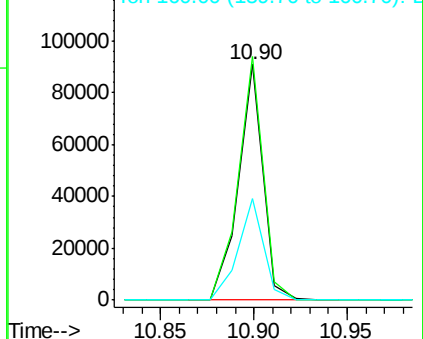
164 100

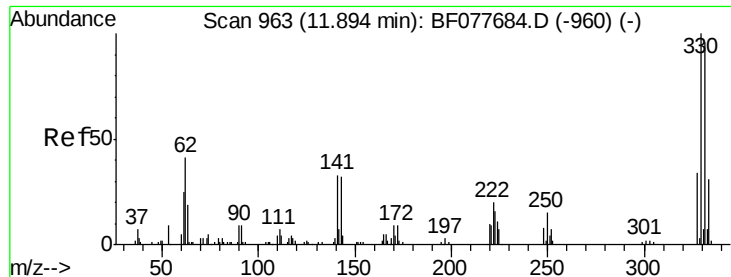
162 103.3 82.4 123.6

160 43.3 35.8 53.6



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

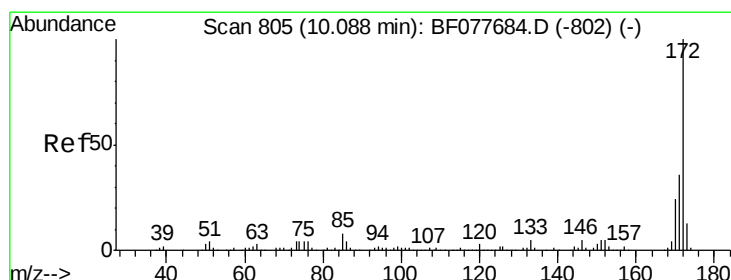
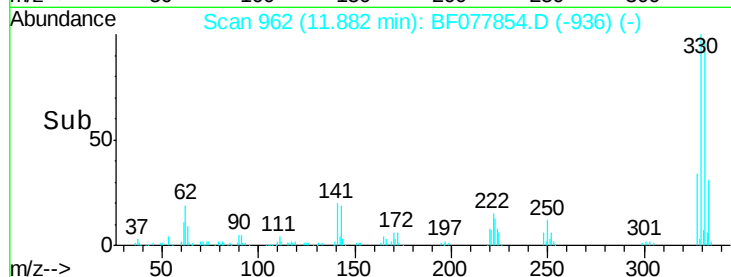
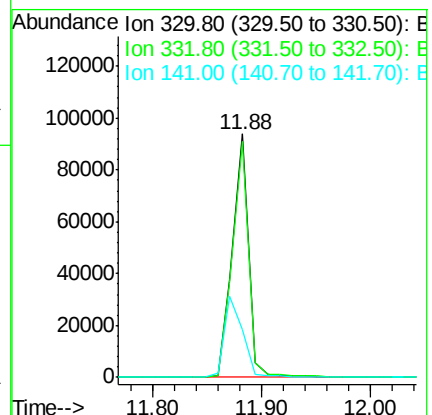
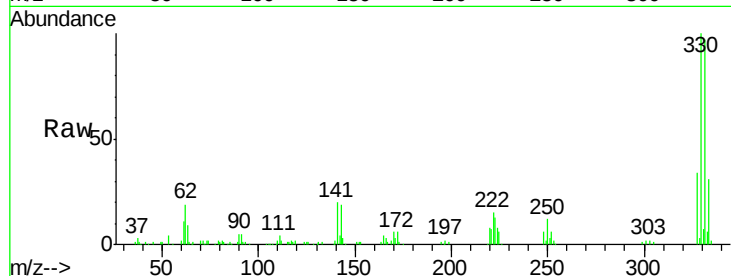




#41
 2,4,6-Tribromophenol
 Concen: 121.40 ng
 RT: 11.88 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

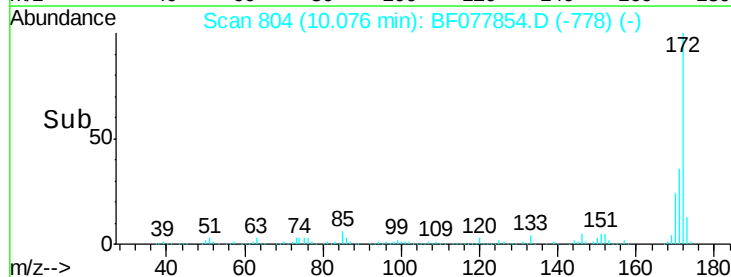
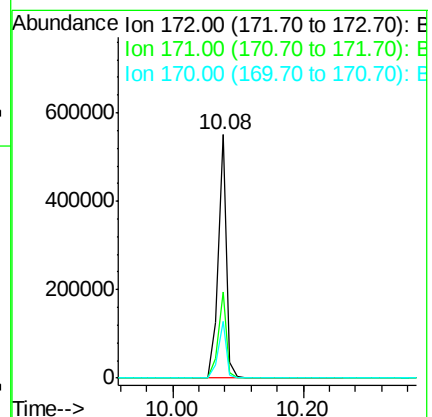
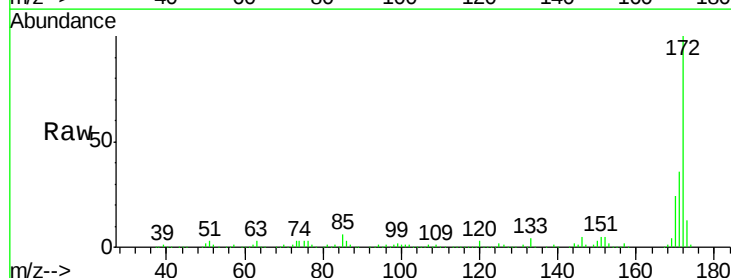
Instrument :
 BNA_F
 ClientSampleId :
 MW-23

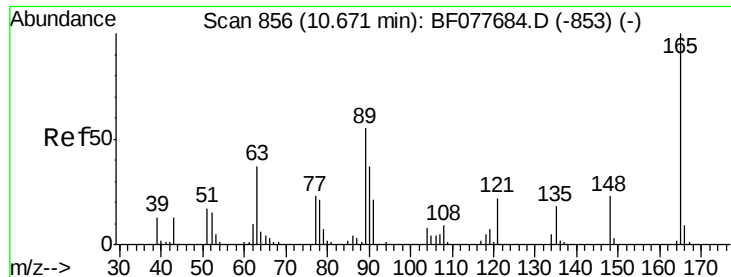
Tgt Ion:330 Resp: 97079
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 37.6 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 87.31 ng
 RT: 10.08 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

Tgt Ion:172 Resp: 496531
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.5 42.7
 170 23.5 18.8 28.2

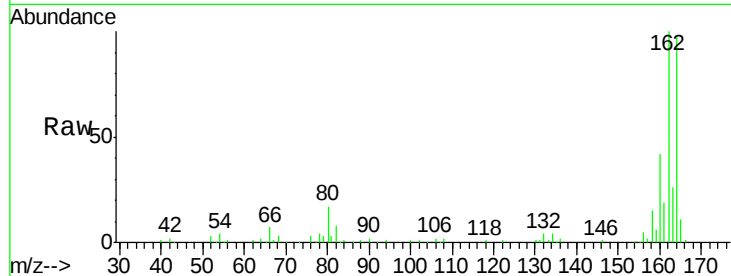




#50
 2,6-Dinitrotoluene
 Concen: 8.09 ng
 RT: 10.90 min Scan# 876
 Delta R.T. 0.24 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

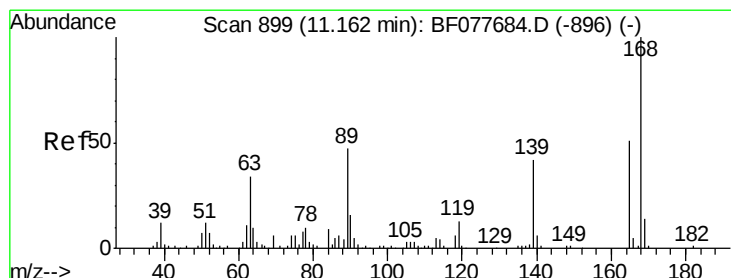
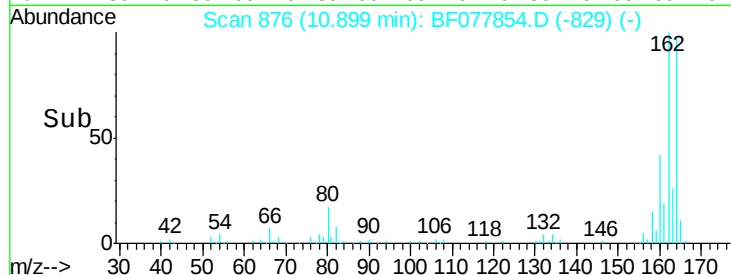
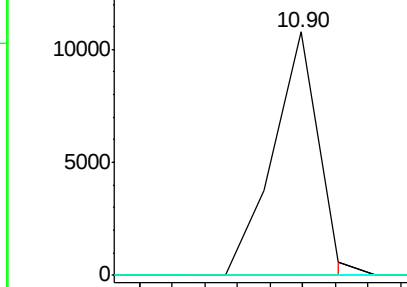
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



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: 6.20 ng
 RT: 10.90 min Scan# 876
 Delta R.T. -0.25 min
 Lab File: BF077854.D
 Acq: 20 Mar 2015 4:19

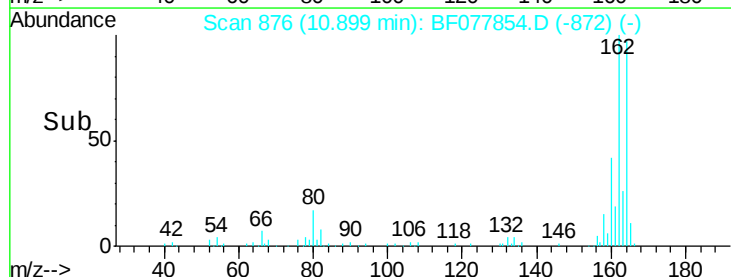
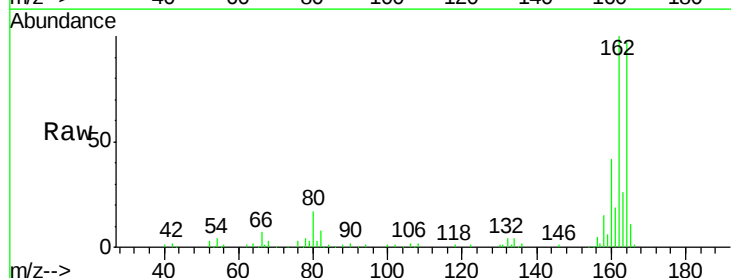
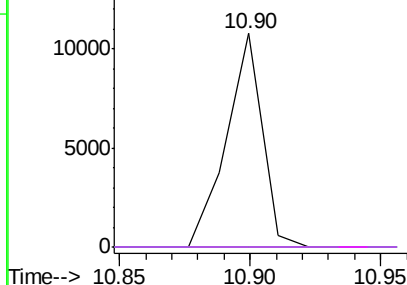
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

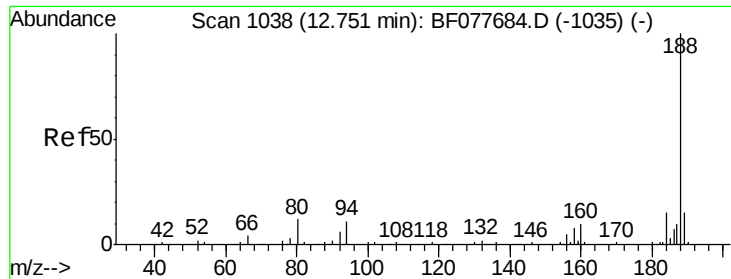
Abundance Ion 165.00 (164.70 to 165.70): E

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

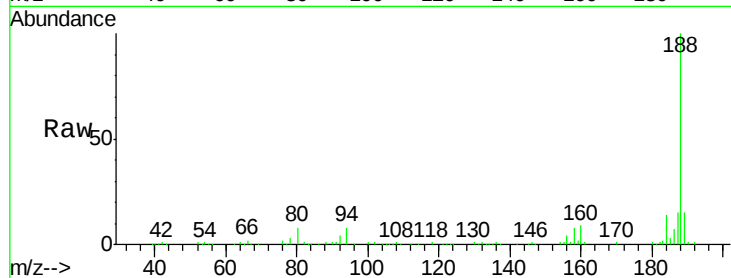




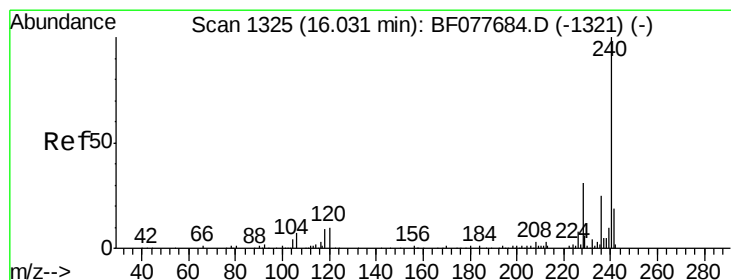
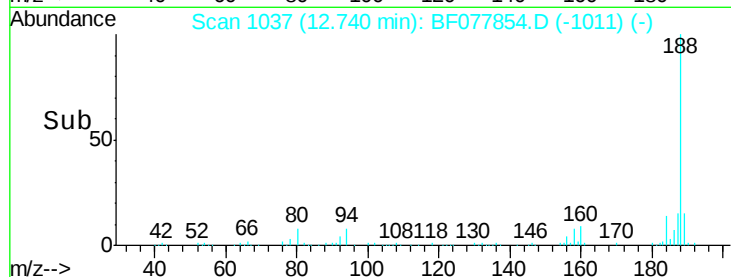
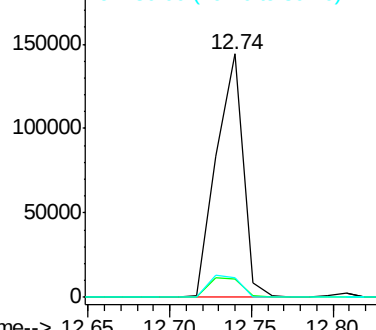
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.74 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF077854.D
Acq: 20 Mar 2015 4:19

Instrument :
BNA_F
ClientSampleId :
MW-23

Tgt Ion:188 Resp: 164450
Ion Ratio Lower Upper
188 100
94 7.7 8.7 13.1#
80 7.8 9.3 13.9#

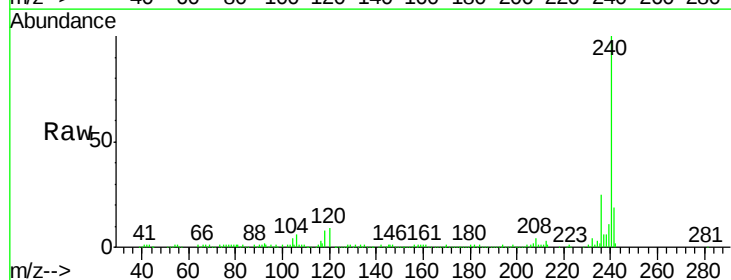


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

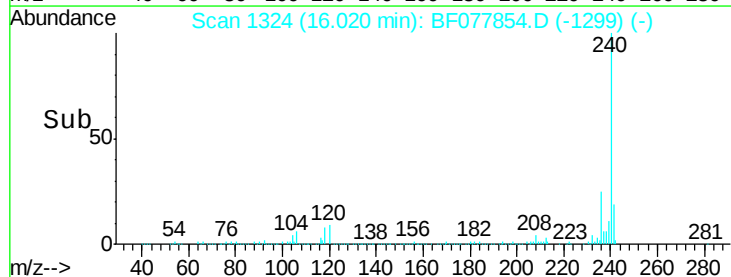
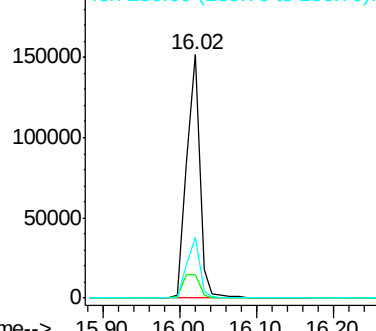


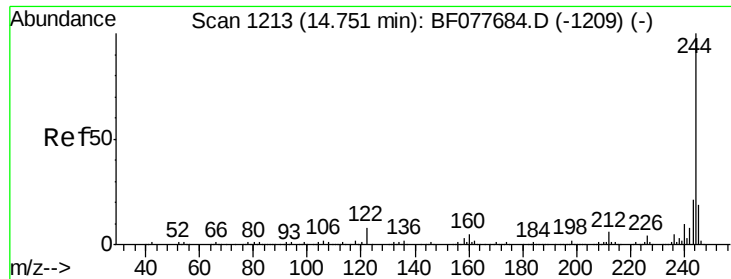
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.02 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF077854.D
Acq: 20 Mar 2015 4:19

Tgt Ion:240 Resp: 180860
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.2
236 24.8 20.0 30.0



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: 71.59 ng

RT: 14.74 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

Instrument :

BNA_F

ClientSampleId :

MW-23

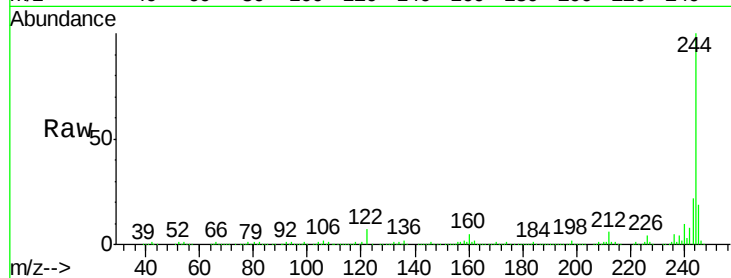
Tgt Ion:244 Resp: 530066

Ion Ratio Lower Upper

244 100

212 5.9 4.9 7.3

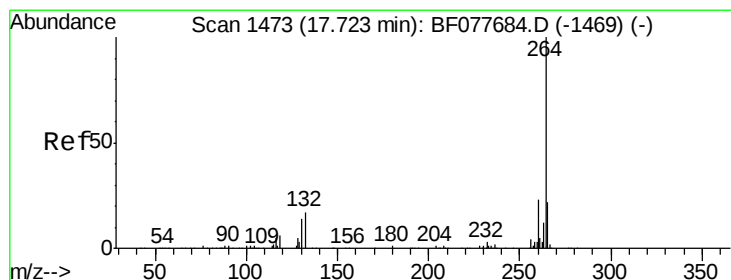
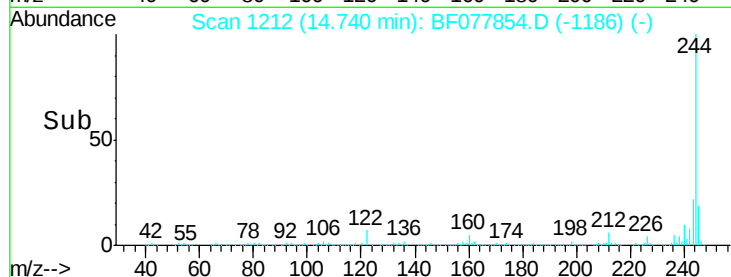
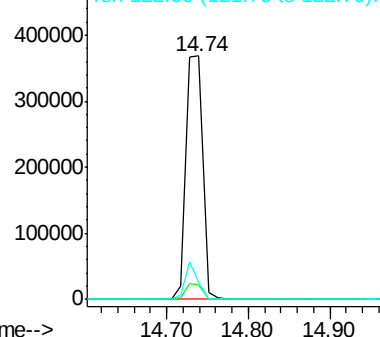
122 6.9 6.2 9.4



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: 17.71 min Scan# 1472

Delta R.T. -0.05 min

Lab File: BF077854.D

Acq: 20 Mar 2015 4:19

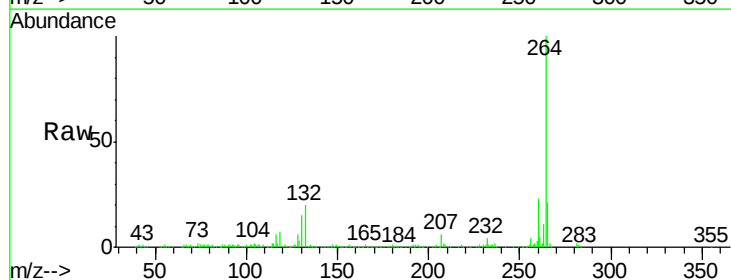
Tgt Ion:264 Resp: 172636

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.0 17.3 25.9



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

