

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077872.D
 Acq On : 20 Mar 2015 19:27
 Operator : TP/IZ
 Sample : G1589-03
 Misc : W
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB

Quant Time: Mar 20 23:07:48 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 23:52:05 2015
 Response via : Initial Calibration

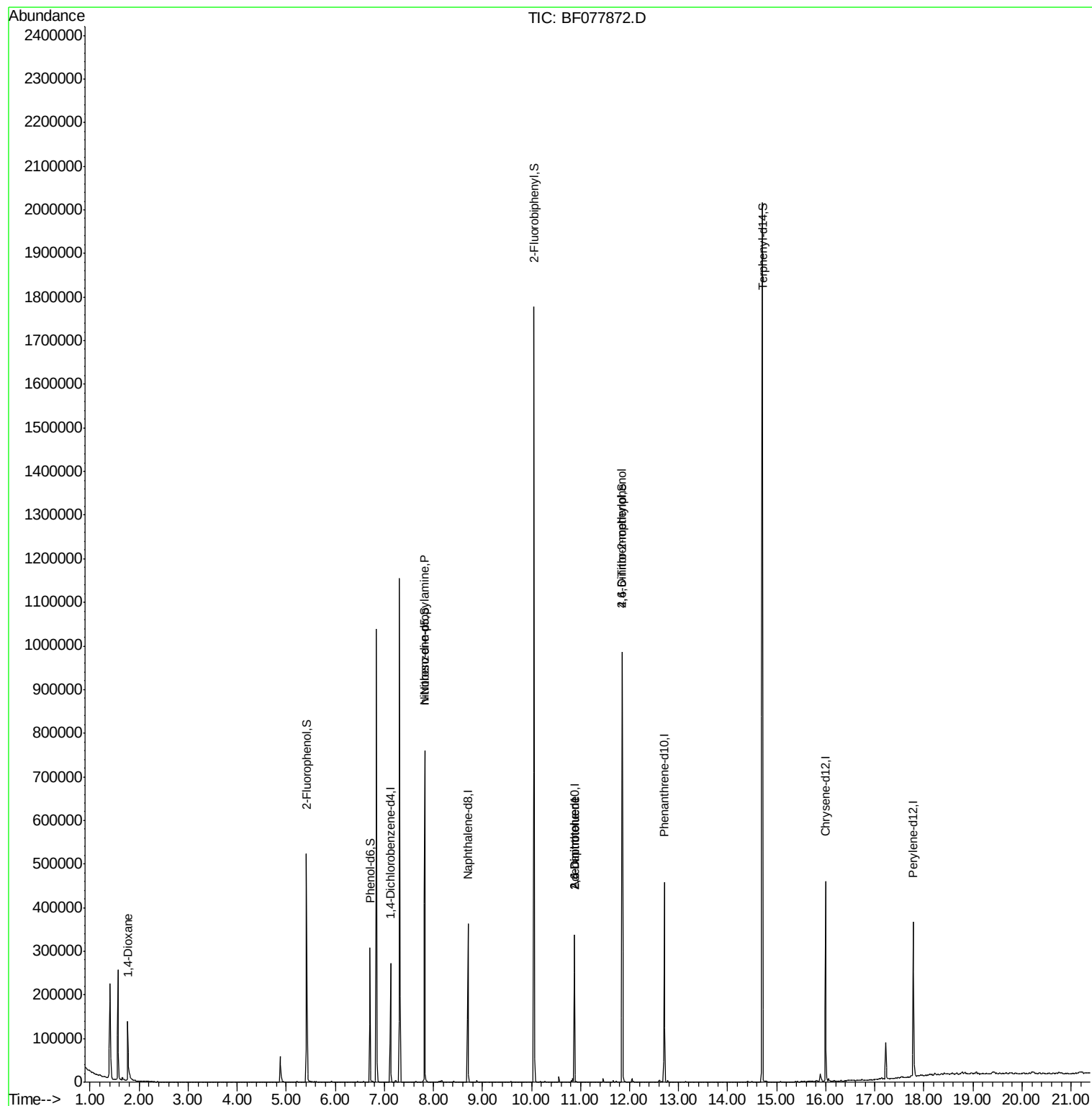
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	46209	20.00	ng	0.00
21) Naphthalene-d8	8.70	136	186966	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	92122	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	177872	20.00	ng	-0.01
75) Chrysene-d12	16.00	240	187931	20.00	ng	-0.01
86) Perylene-d12	17.78	264	181256	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	172505	65.16	ng	0.00
7) Phenol-d6	6.70	99	129932	39.73	ng	0.00
23) Nitrobenzene-d5	7.82	82	290916	102.00	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	120096	136.26	ng	-0.01
44) 2-Fluorobiphenyl	10.05	172	623005	99.39	ng	0.00
78) Terphenyl-d14	14.71	244	745898	96.95	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.77	88	5187	4.32	ng	# 100
19) n-Nitroso-di-n-propylamine	7.82	70	36794	16.26	ng	# 77
50) 2,6-Dinitrotoluene	10.88	165	11896	8.40	ng	# 24
56) 2,4-Dinitrotoluene	10.88	165	11896	6.44	ng	# 11
64) 4,6-Dinitro-2-methylphenol	11.85	198	206	4.52	ng	# 1
76) Benzidine	14.40	184	911	Below Cal		# 68

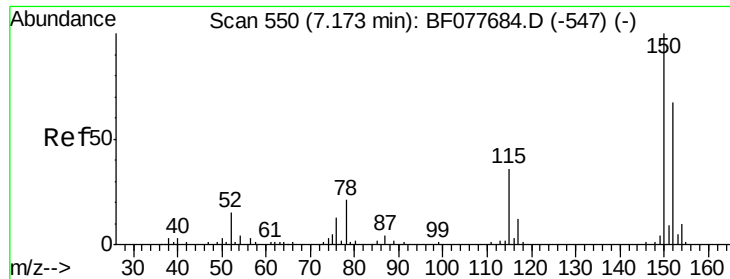
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.13 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

Instrument :

BNA_F

ClientSampled :

FB

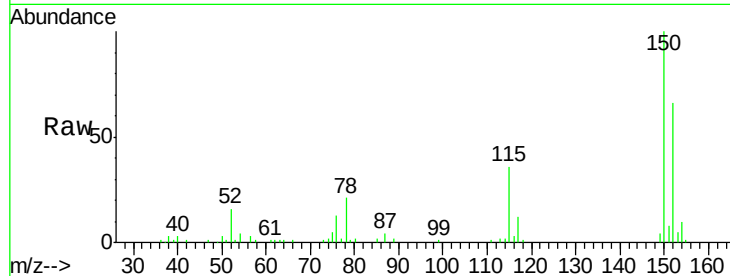
Tgt Ion:152 Resp: 46209

Ion Ratio Lower Upper

152 100

150 152.6 119.5 179.3

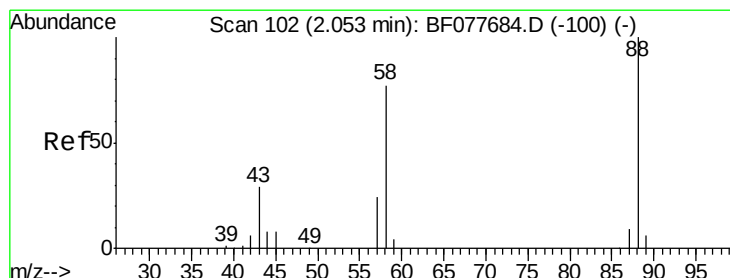
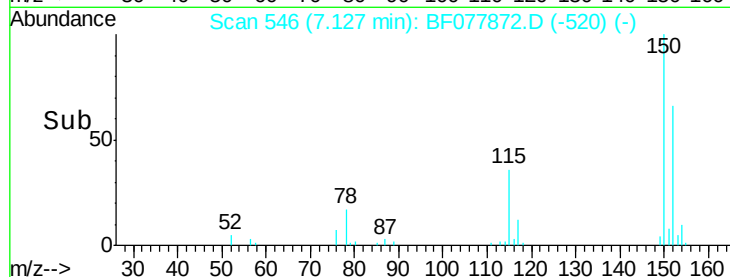
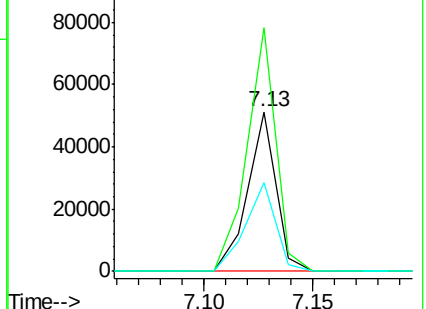
115 55.4 43.0 64.4



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: 4.32 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.23 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

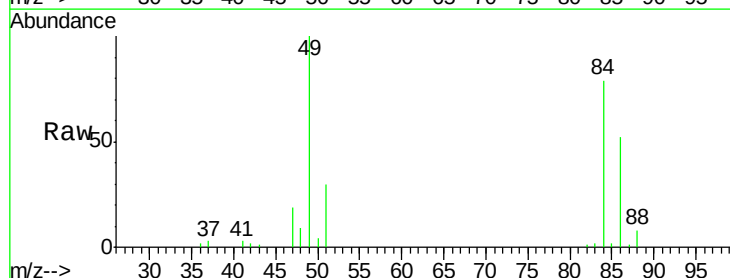
Tgt Ion: 88 Resp: 5187

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

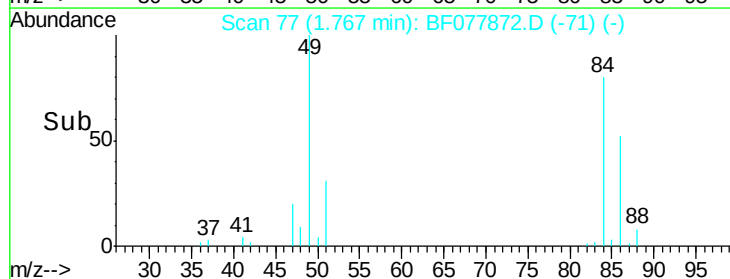
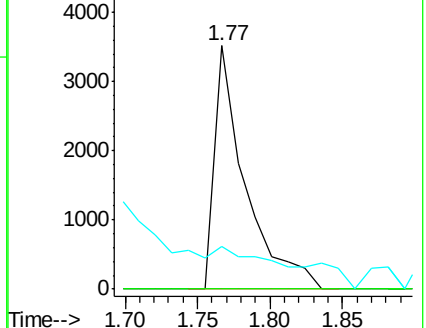
43 0.0 0.0 0.0

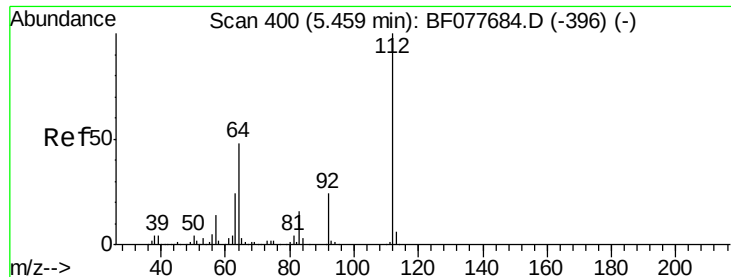


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 65.16 ng

RT: 5.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

Instrument :

BNA_F

ClientSampleId :

FB

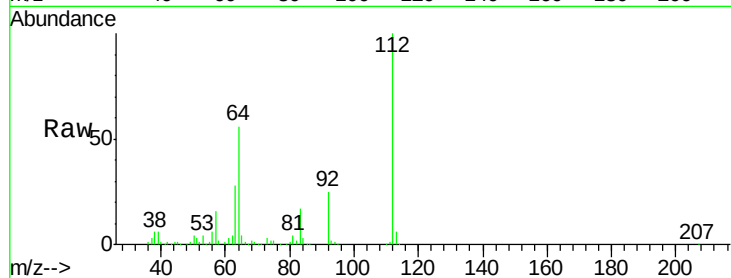
Tgt Ion: 112 Resp: 172505

Ion Ratio Lower Upper

112 100

64 56.3 38.6 57.8

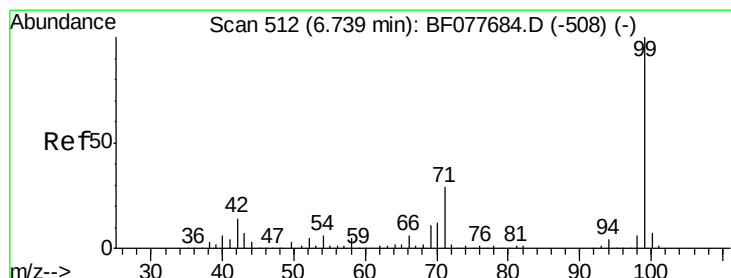
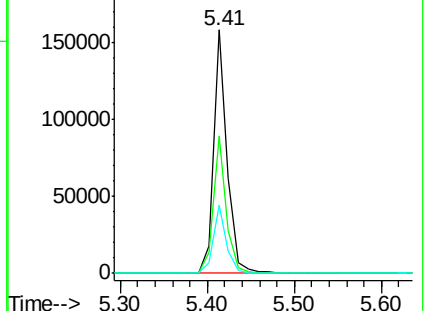
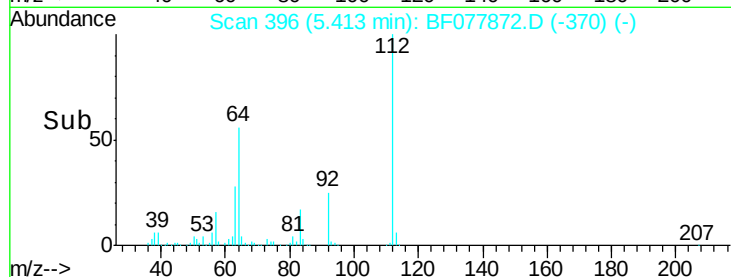
63 28.3 19.3 28.9



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: 39.73 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

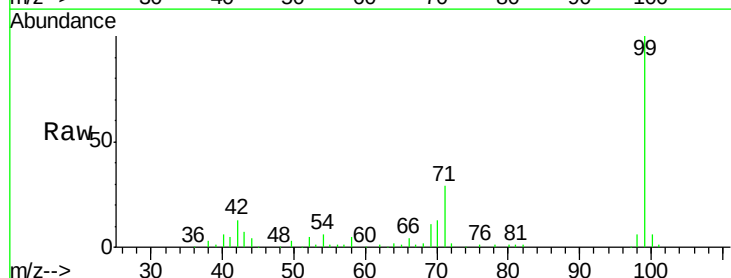
Tgt Ion: 99 Resp: 129932

Ion Ratio Lower Upper

99 100

42 13.5 11.0 16.4

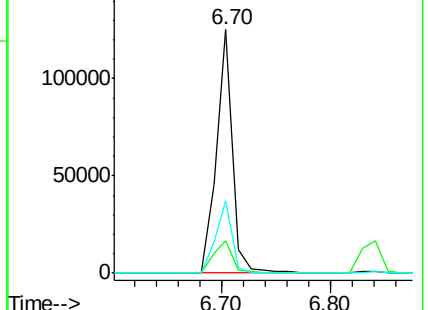
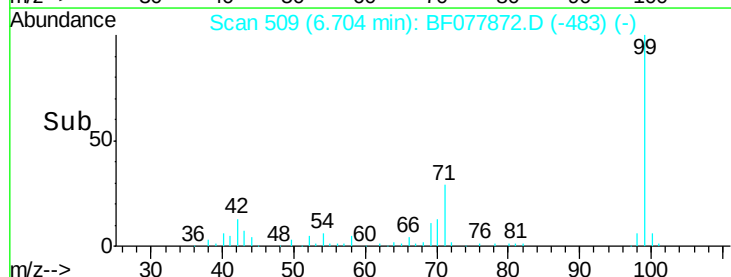
71 29.4 23.4 35.2

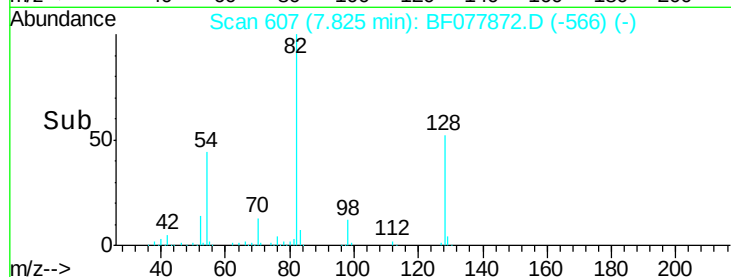
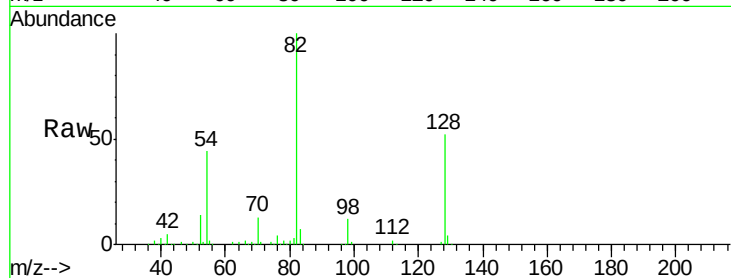
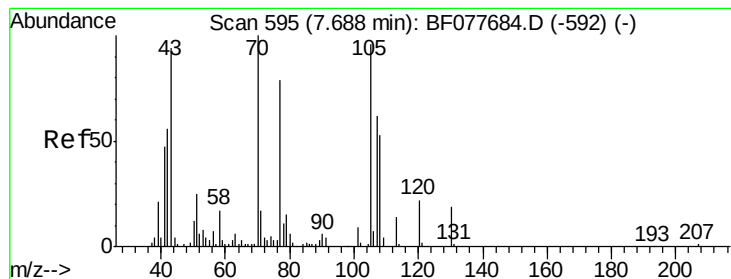


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 16.26 ng

RT: 7.82 min Scan# 607

Delta R.T. 0.17 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

Instrument :

BNA_F

ClientSampleId :

FB

Tgt Ion: 70 Resp: 36794

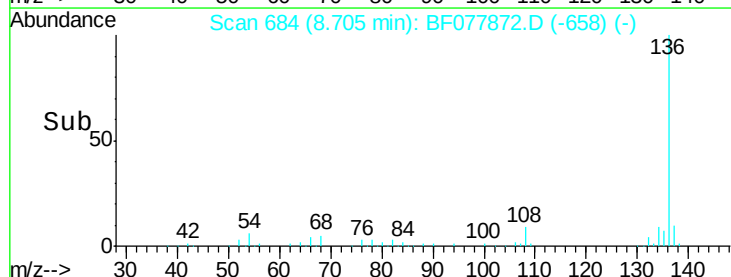
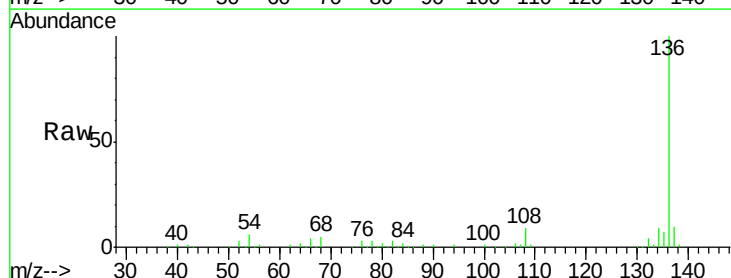
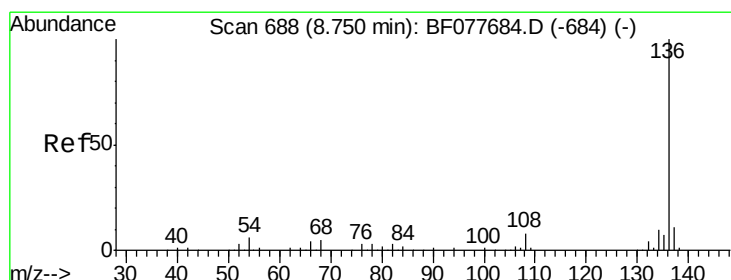
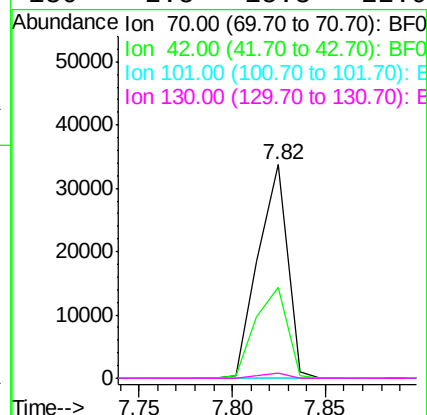
Ion Ratio Lower Upper

70 100

42 42.5 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: 8.70 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF077872.D

Acq: 20 Mar 2015 19:27

Tgt Ion: 136 Resp: 186966

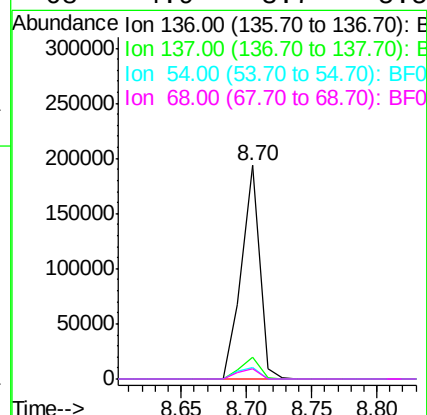
Ion Ratio Lower Upper

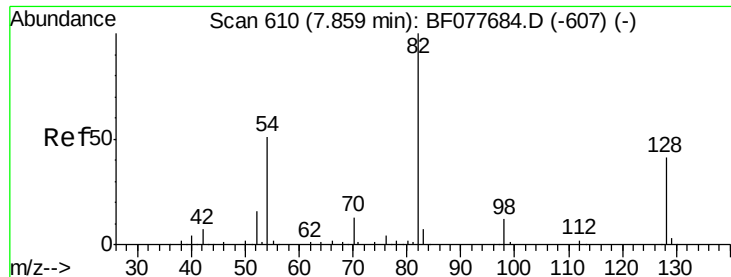
136 100

137 10.4 8.7 13.1

54 5.7 4.6 6.8

68 4.9 3.7 5.5

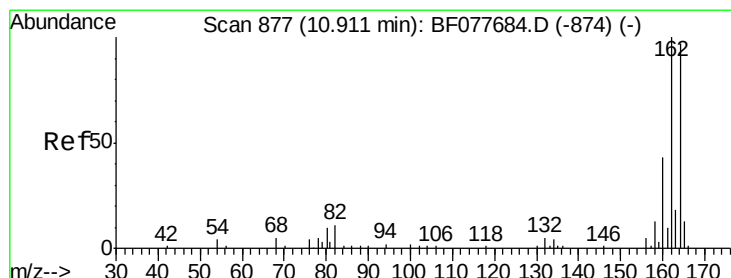
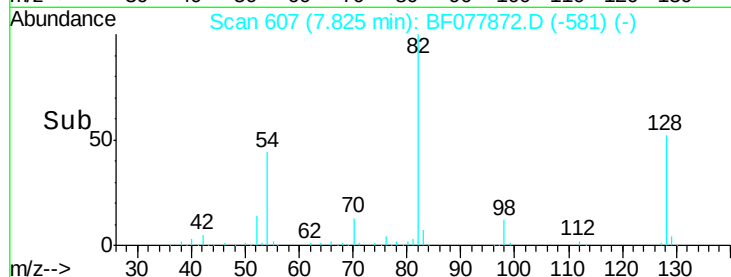
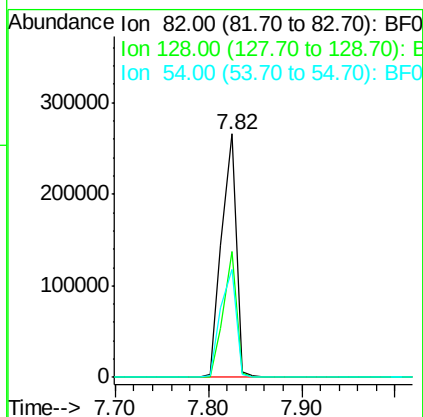
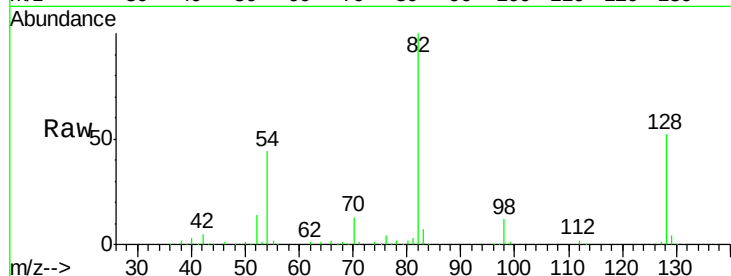




#23
 Nitrobenzene-d5
 Concen: 102.00 ng
 RT: 7.82 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

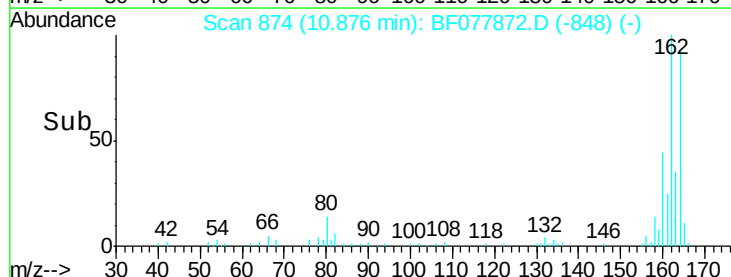
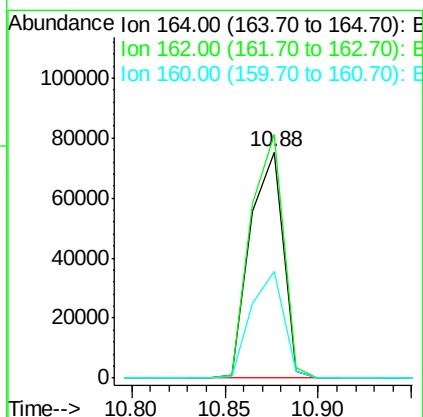
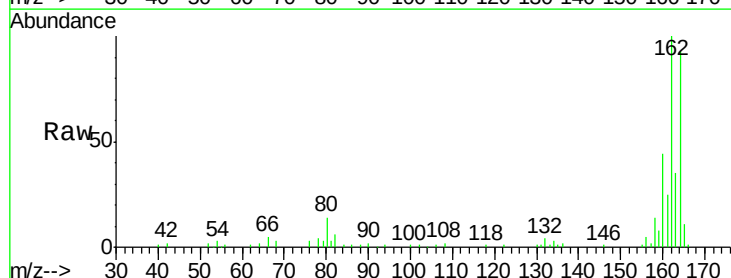
Instrument :
 BNA_F
 ClientSampleId :
 FB

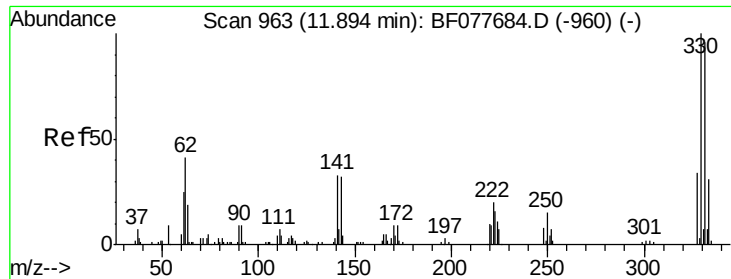
Tgt Ion: 82 Resp: 290916
 Ion Ratio Lower Upper
 82 100
 128 51.9 32.8 49.2#
 54 44.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.88 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

Tgt Ion: 164 Resp: 92122
 Ion Ratio Lower Upper
 164 100
 162 107.6 82.4 123.6
 160 46.9 35.8 53.6

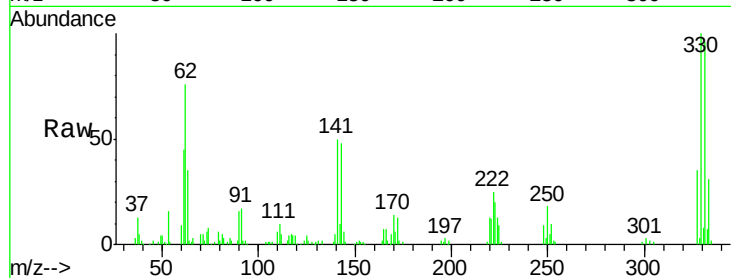




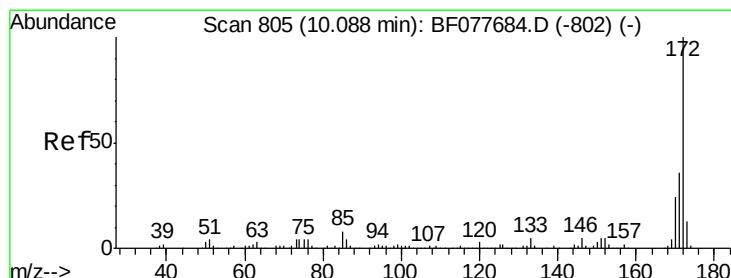
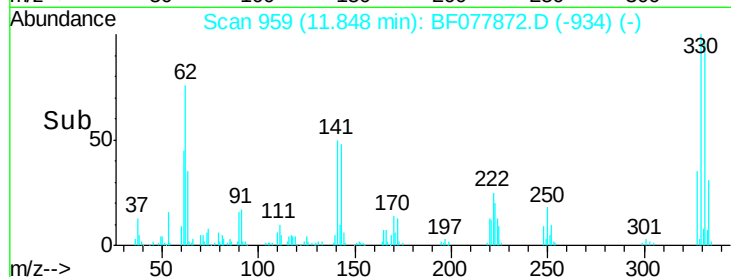
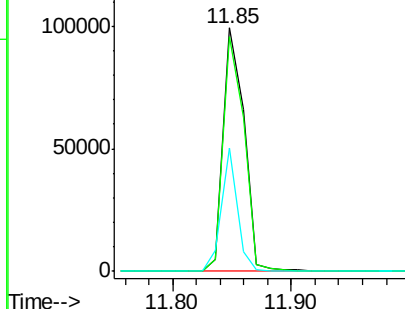
#41
 2,4,6-Tribromophenol
 Concen: 136.26 ng
 RT: 11.85 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	38.5	0.0	0.0#

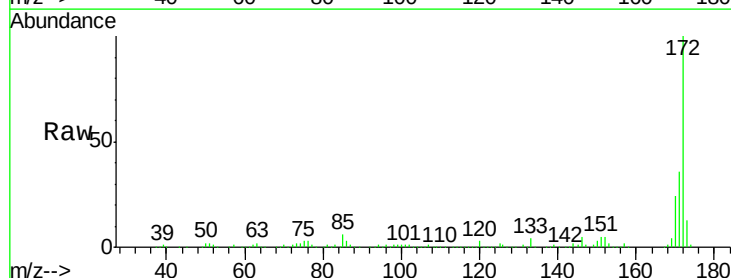


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

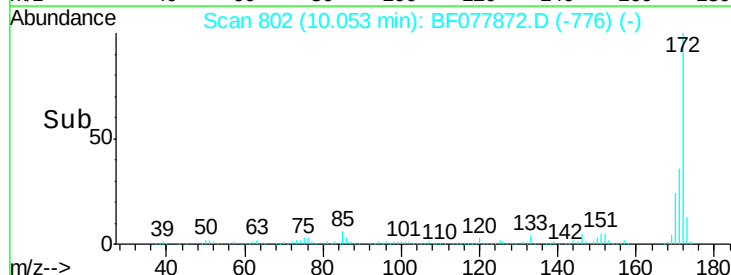
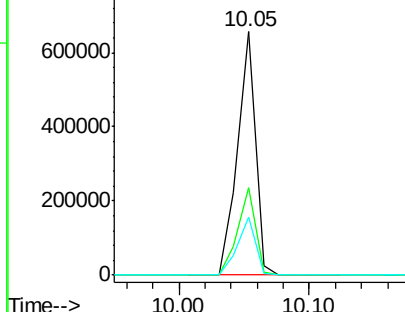


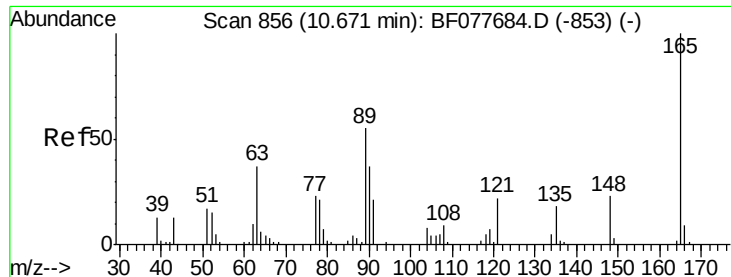
#44
 2-Fluorobiphenyl
 Concen: 99.39 ng
 RT: 10.05 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.8	18.8	28.2



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

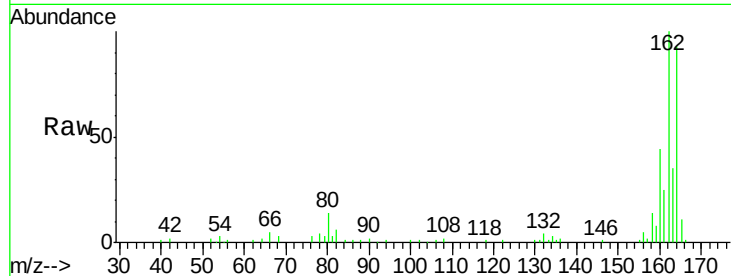




#50
 2,6-Dinitrotoluene
 Concen: 8.40 ng
 RT: 10.88 min Scan# 874
 Delta R.T. 0.24 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FB

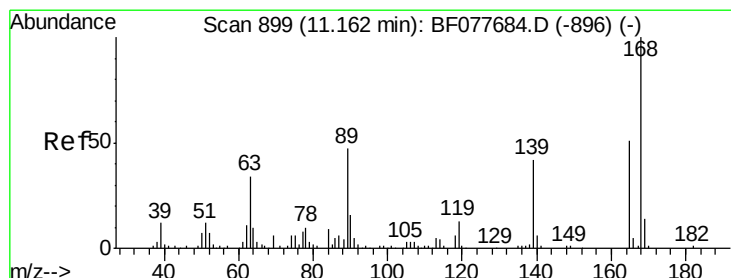
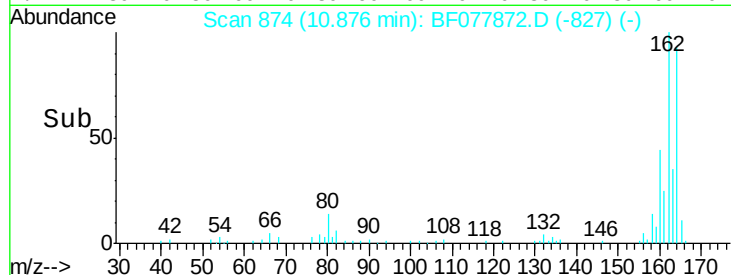
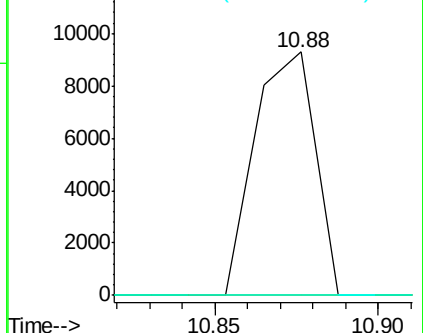
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



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: 6.44 ng
 RT: 10.88 min Scan# 874
 Delta R.T. -0.25 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

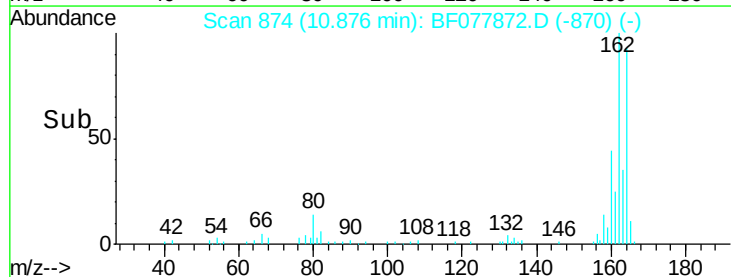
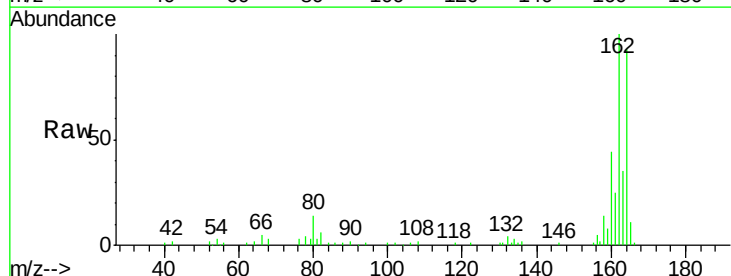
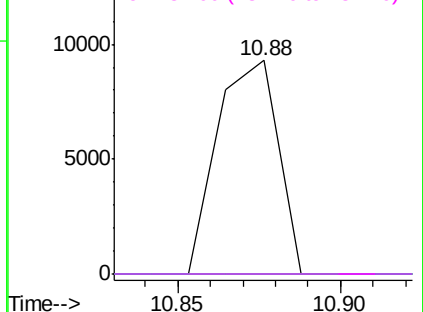
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

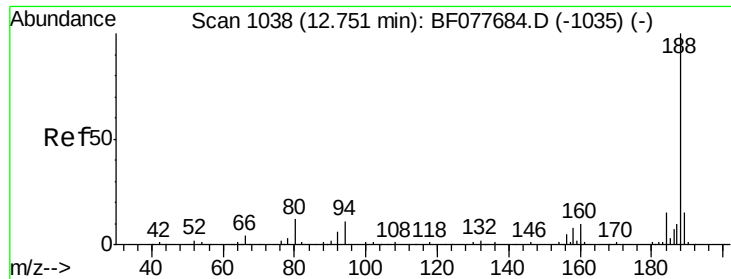
Abundance Ion 165.00 (164.70 to 165.70): E

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

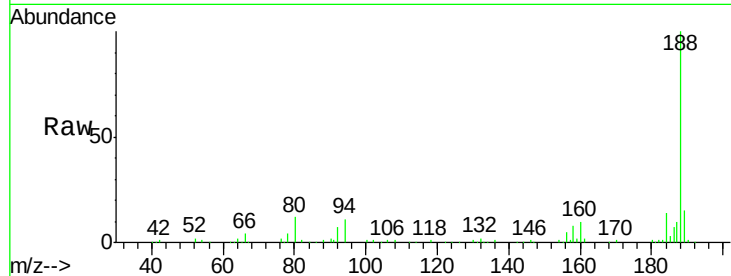




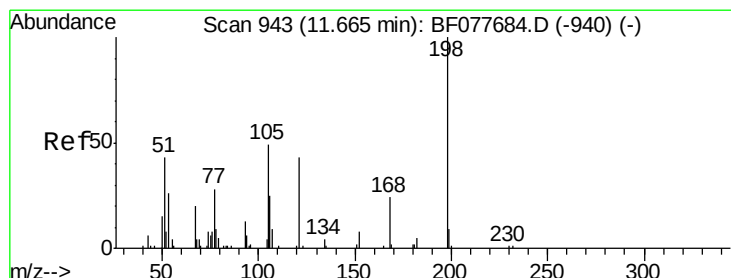
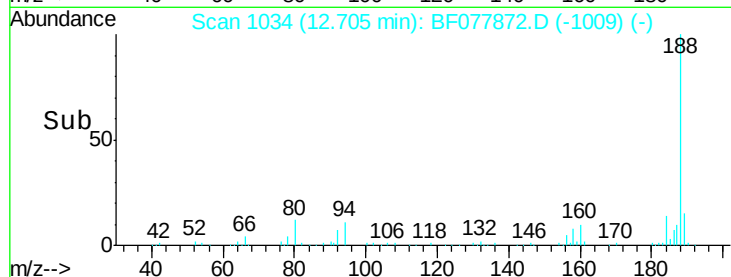
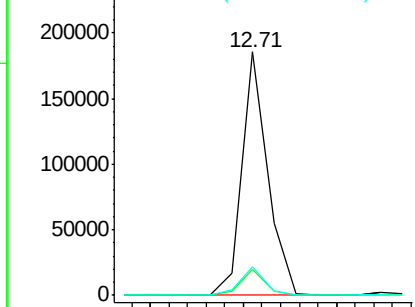
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF077872.D
Acq: 20 Mar 2015 19:27

Instrument :
BNA_F
ClientSampleId :
FB

Tgt Ion:188 Resp: 177872
Ion Ratio Lower Upper
188 100
94 10.9 8.7 13.1
80 12.0 9.3 13.9

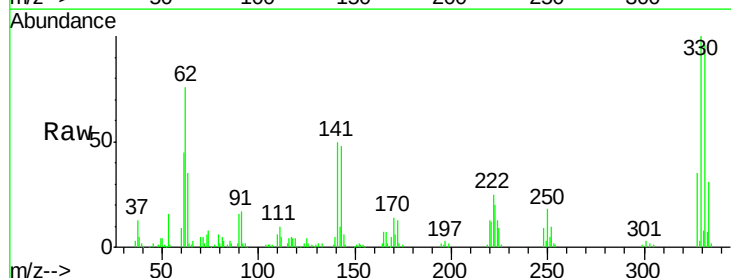


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

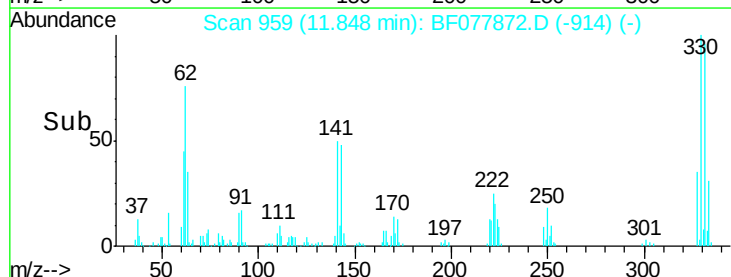
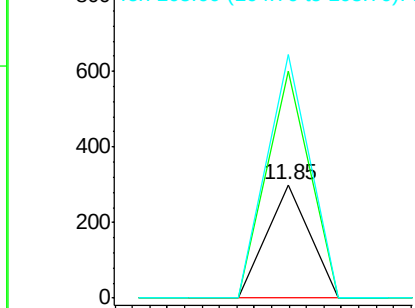


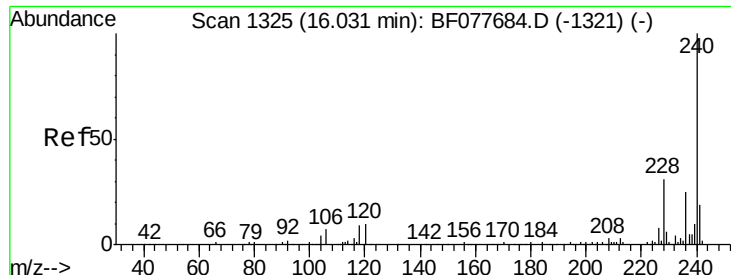
#64
4,6-Dinitro-2-methylphenol
Concen: 4.52 ng
RT: 11.85 min Scan# 959
Delta R.T. 0.22 min
Lab File: BF077872.D
Acq: 20 Mar 2015 19:27

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 200.3 28.8 68.8#
105 214.7 30.5 70.5#



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

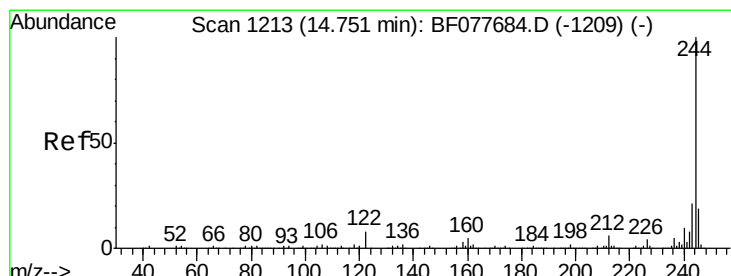
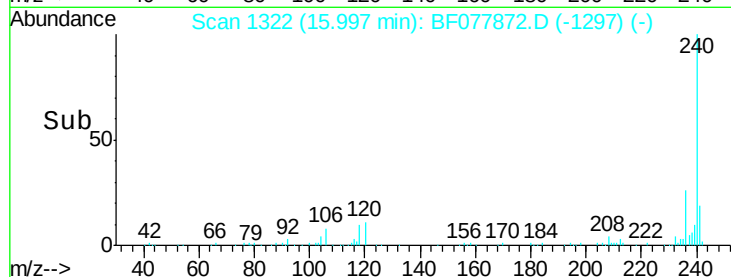
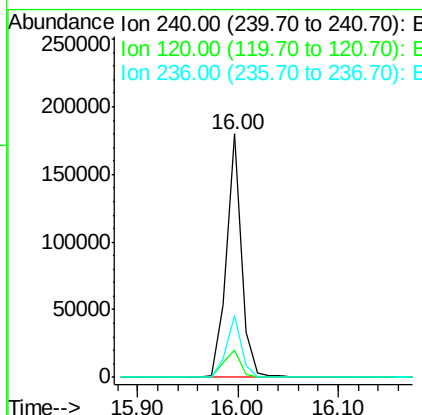
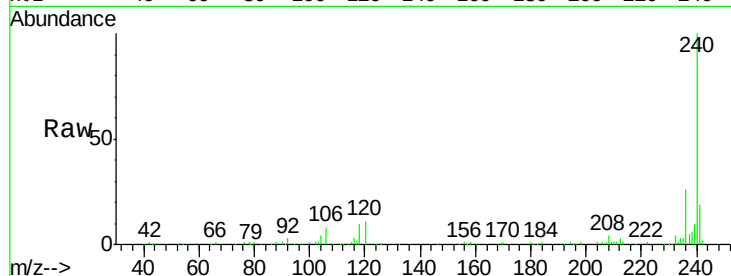




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.00 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

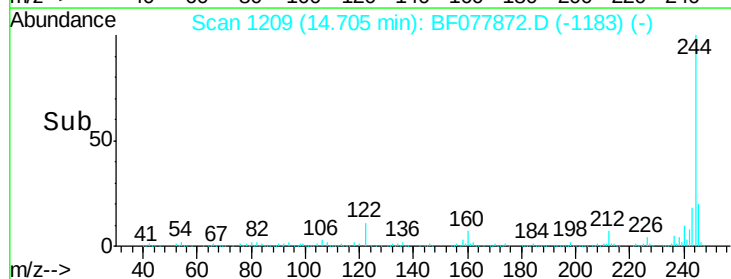
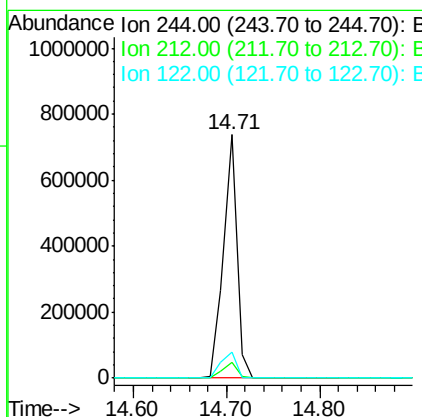
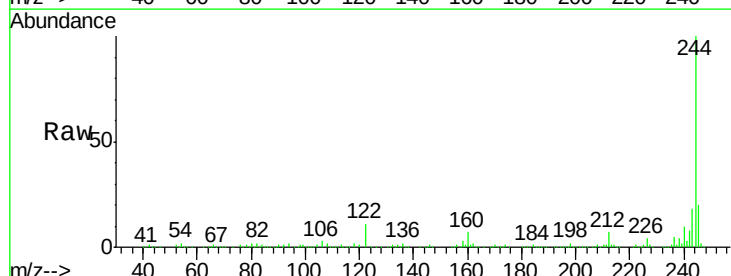
Instrument :
 BNA_F
 ClientSampled :
 FB

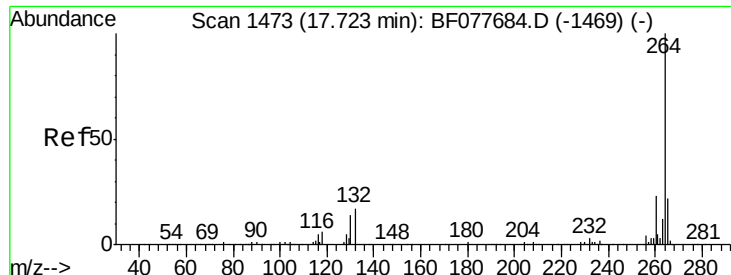
Tgt Ion:240 Resp: 187931
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.2 12.2
 236 25.6 20.0 30.0



#78
 Terphenyl-d14
 Concen: 96.95 ng
 RT: 14.71 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF077872.D
 Acq: 20 Mar 2015 19:27

Tgt Ion:244 Resp: 745898
 Ion Ratio Lower Upper
 244 100
 212 6.7 4.9 7.3
 122 10.8 6.2 9.4#

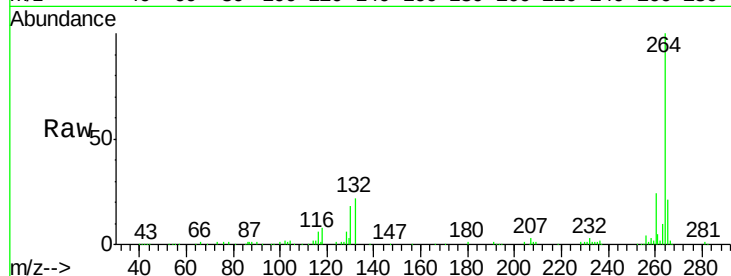




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.78 min Scan# 1478
Delta R.T. -0.06 min
Lab File: BF077872.D
Acq: 20 Mar 2015 19:27

Instrument :
BNA_F
ClientSampleId :
FB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	20.8	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

