

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077875.D
 Acq On : 20 Mar 2015 20:54
 Operator : TP/IZ
 Sample : G1575-08
 Misc : W
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-9V

Quant Time: Mar 20 23:08:42 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

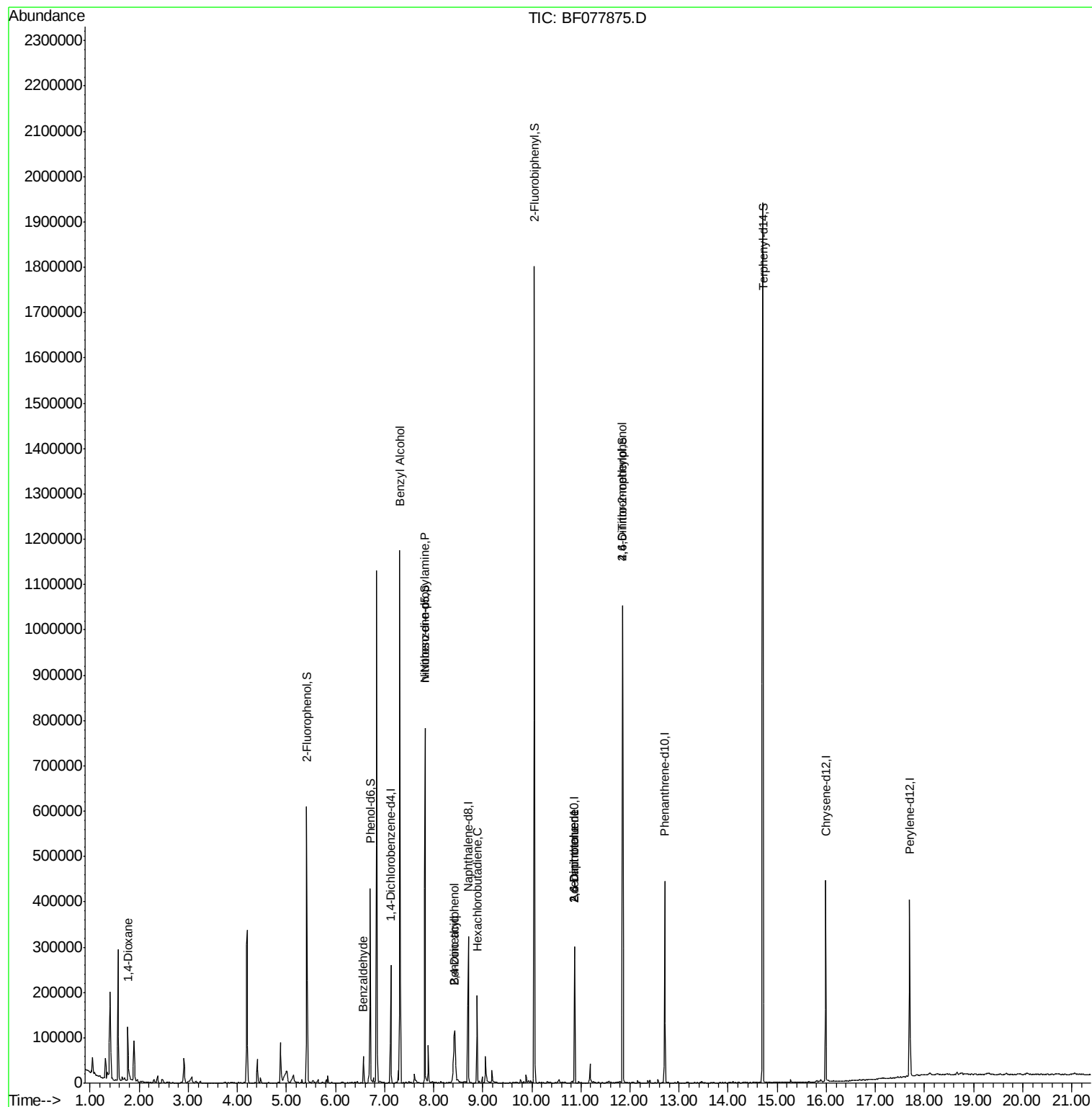
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	43772	20.00	ng	0.00
21) Naphthalene-d8	8.70	136	178176	20.00	ng	0.00
38) Acenaphthene-d10	10.86	164	87524	20.00	ng	-0.01
63) Phenanthrene-d10	12.71	188	174281	20.00	ng	-0.01
75) Chrysene-d12	15.99	240	183150	20.00	ng	-0.02
86) Perylene-d12	17.70	264	176946	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	201691	80.43	ng	0.00
7) Phenol-d6	6.70	99	168057	54.24	ng	0.00
23) Nitrobenzene-d5	7.82	82	298763	109.92	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	122346	146.10	ng	-0.01
44) 2-Fluorobiphenyl	10.05	172	650825	109.28	ng	0.00
78) Terphenyl-d14	14.71	244	733914	97.88	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.77	88	4503	3.96	ng	Qvalue # 100
9) Benzaldehyde	6.57	77	16013	12.62	ng	96
15) Benzyl Alcohol	7.31	79	7593	3.14	ng	# 56
19) n-Nitroso-di-n-propylamine	7.82	70	37953	17.71	ng	# 77
27) 2,4-Dimethylphenol	8.43	122	57972	22.20	ng	# 6
32) Benzoic acid	8.43	122	58519	40.67	ng	98
34) Hexachlorobutadiene	8.89	225	26895	17.04	ng	96
50) 2,6-Dinitrotoluene	10.86	165	11152	8.29	ng	# 24
56) 2,4-Dinitrotoluene	10.86	165	11154	6.36	ng	# 11
64) 4,6-Dinitro-2-methylphenol	11.85	198	287	4.61	ng	# 1

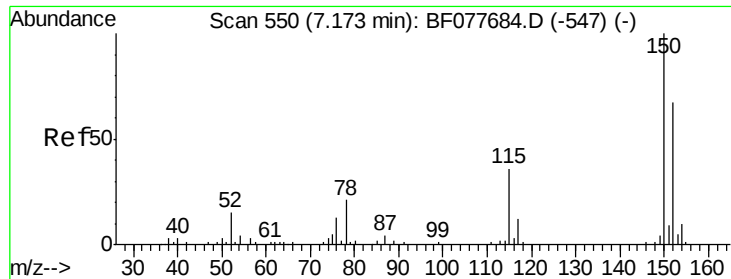
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 20 23:52:05 2015
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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: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampleId :

RW-9V

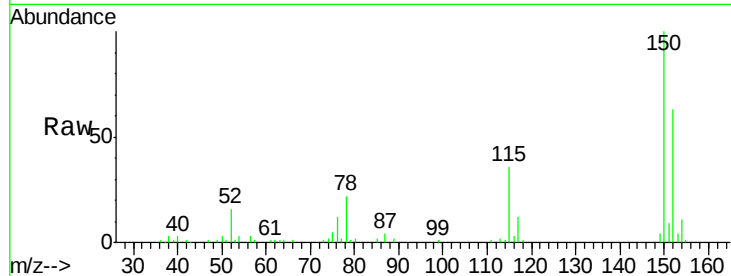
Tgt Ion:152 Resp: 43772

Ion Ratio Lower Upper

152 100

150 157.9 119.5 179.3

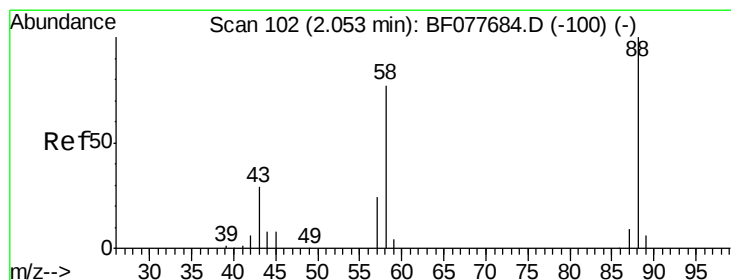
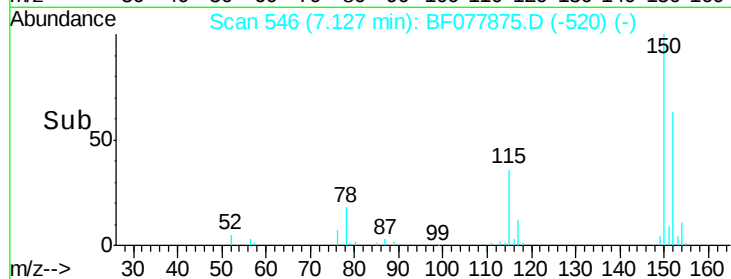
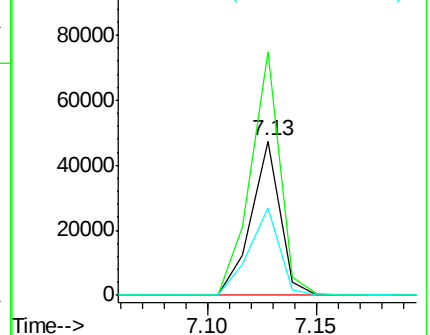
115 56.8 43.0 64.4



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: 3.96 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.23 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

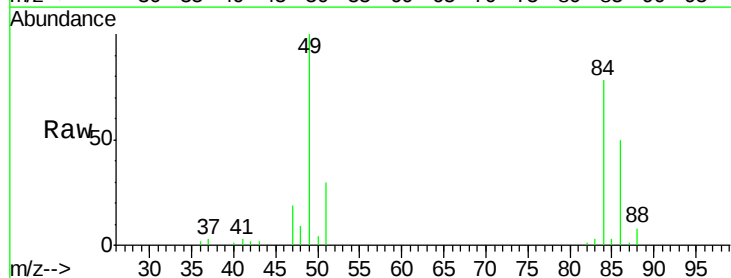
Tgt Ion: 88 Resp: 4503

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

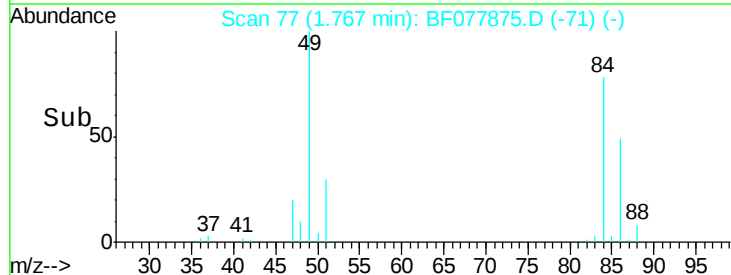
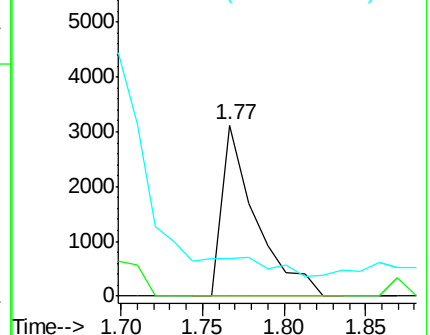
43 0.0 0.0 0.0

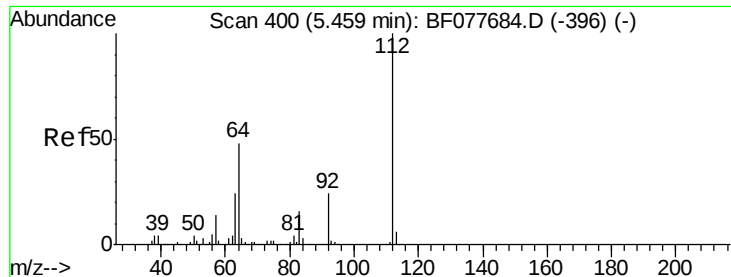


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 80.43 ng

RT: 5.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampleId :

RW-9V

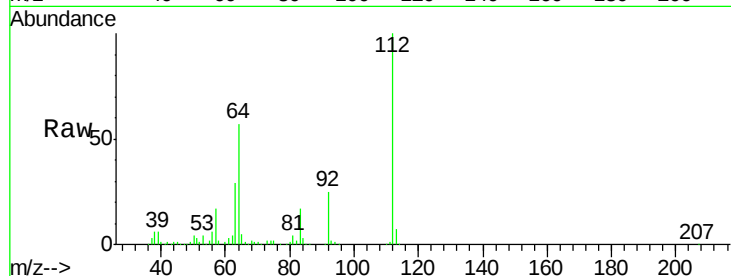
Tgt Ion: 112 Resp: 201691

Ion Ratio Lower Upper

112 100

64 57.4 38.6 57.8

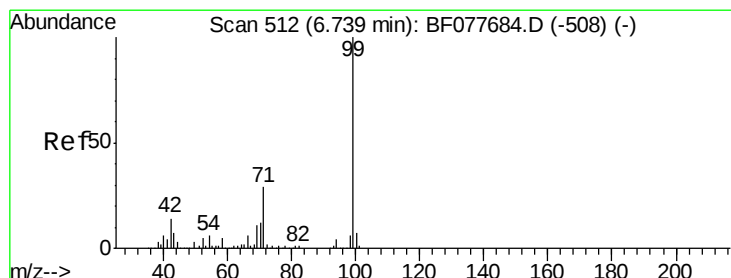
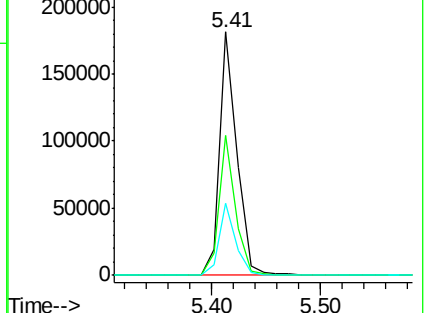
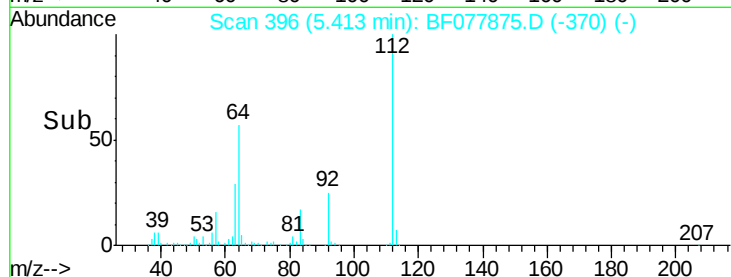
63 29.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): BF077875.D (-370) (-)

Ion 64.00 (63.70 to 64.70): BF077875.D (-370) (-)

Ion 63.00 (62.70 to 63.70): BF077875.D (-370) (-)



#7

Phenol-d6

Concen: 54.24 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

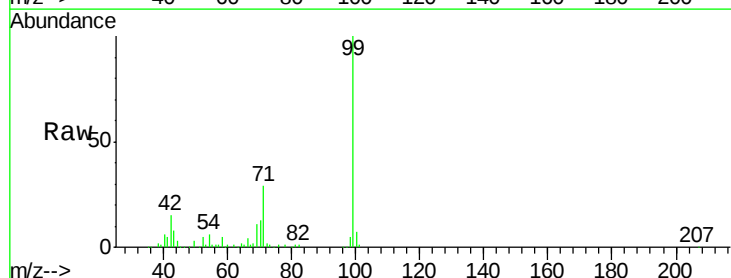
Tgt Ion: 99 Resp: 168057

Ion Ratio Lower Upper

99 100

42 14.8 11.0 16.4

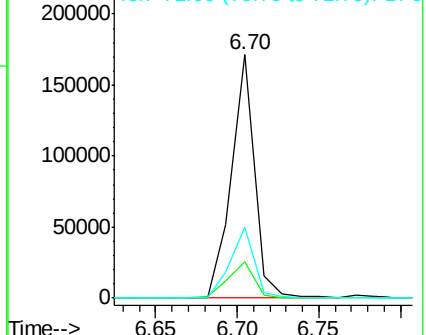
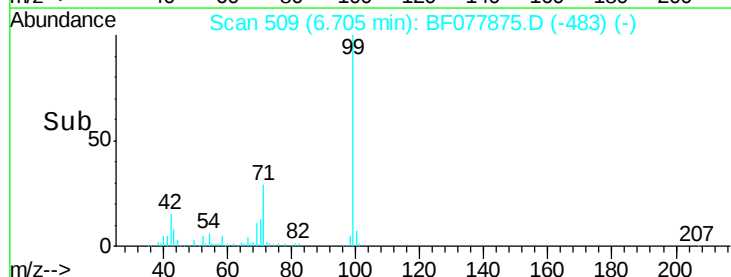
71 29.3 23.4 35.2

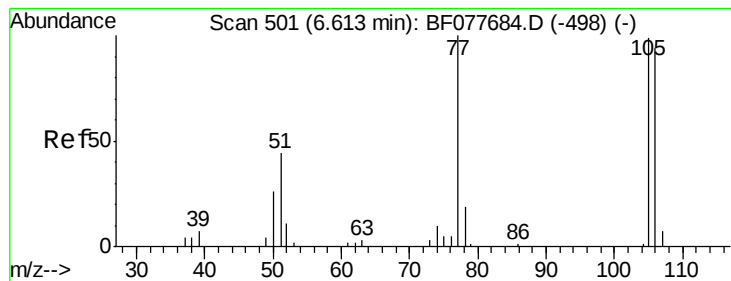


Abundance Ion 99.00 (98.70 to 99.70): BF077875.D (-483) (-)

Ion 42.00 (41.70 to 42.70): BF077875.D (-483) (-)

Ion 71.00 (70.70 to 71.70): BF077875.D (-483) (-)





#9

Benzaldehyde

Concen: 12.62 ng

RT: 6.57 min Scan# 497

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampleId :

RW-9V

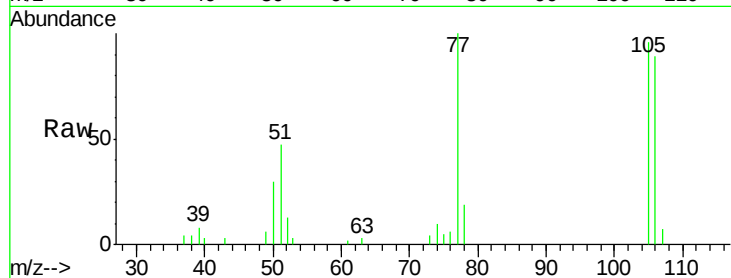
Tgt Ion: 77 Resp: 16013

Ion Ratio Lower Upper

77 100

105 95.7 78.8 118.8

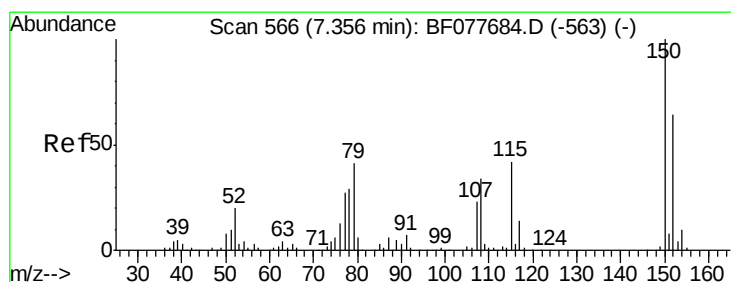
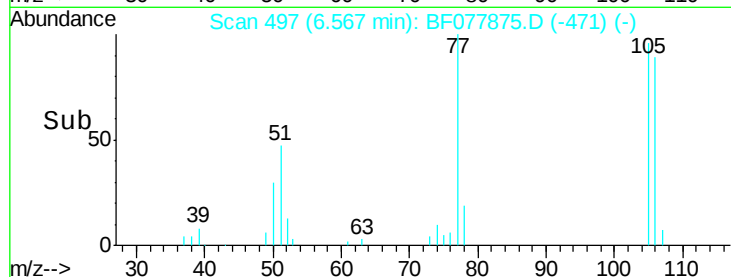
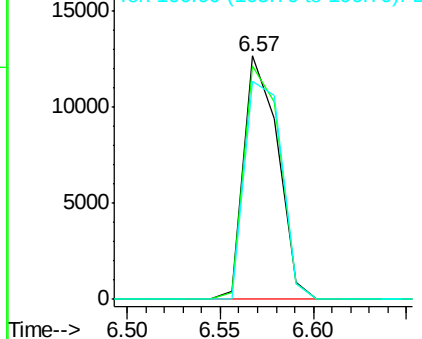
106 89.5 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 3.14 ng

RT: 7.31 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

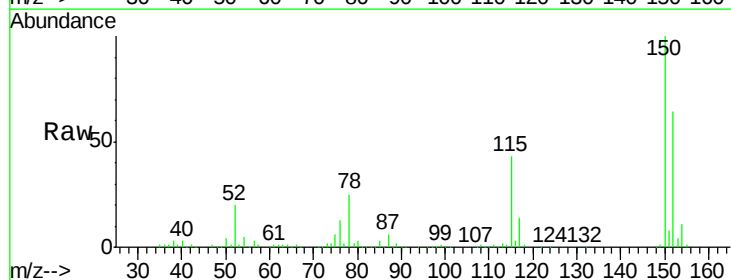
Tgt Ion: 79 Resp: 7593

Ion Ratio Lower Upper

79 100

108 37.9 65.0 97.4#

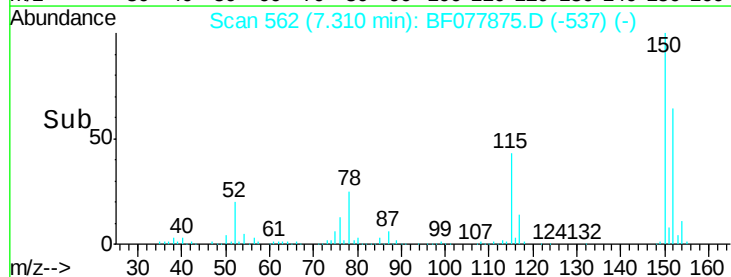
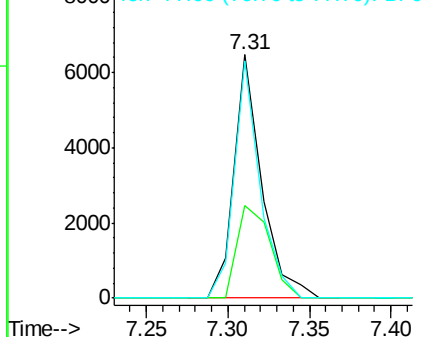
77 97.4 53.0 79.6#

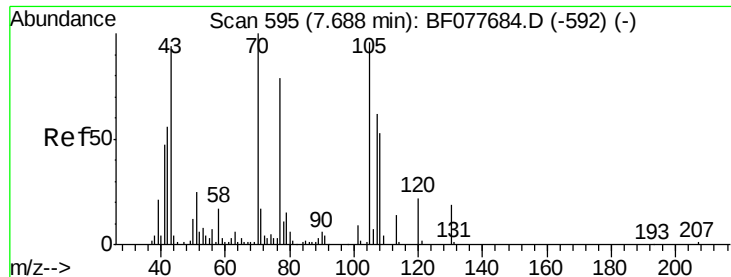


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

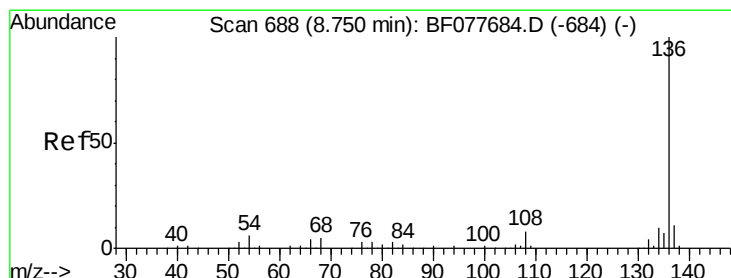
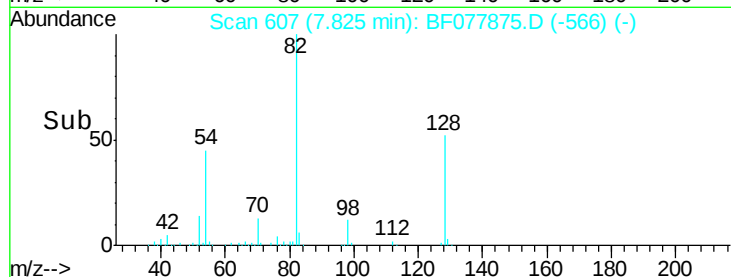
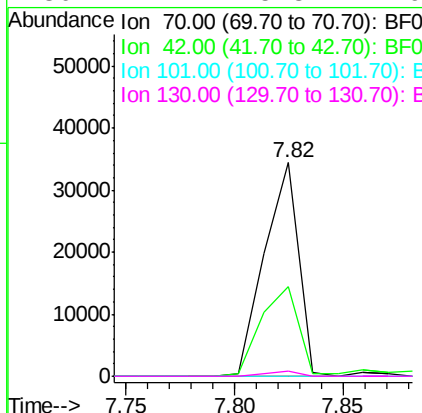
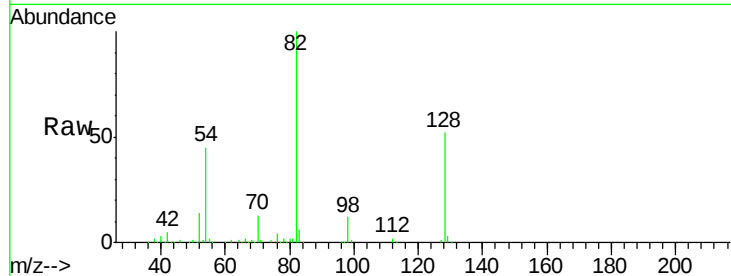




#19
n-Nitroso-di-n-propylamine
Concen: 17.71 ng
RT: 7.82 min Scan# 607
Delta R.T. 0.17 min
Lab File: BF077875.D
Acq: 20 Mar 2015 20:54

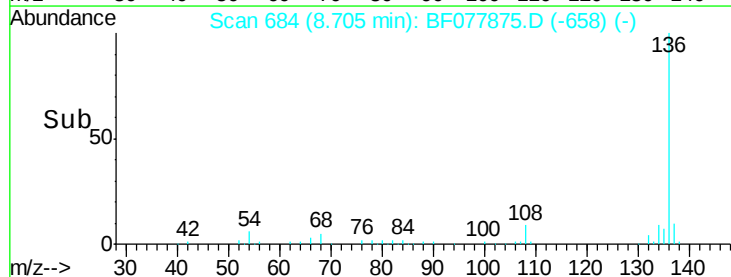
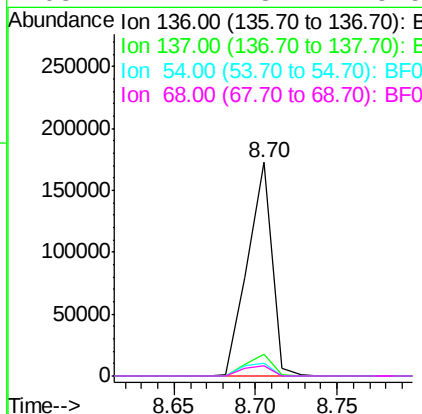
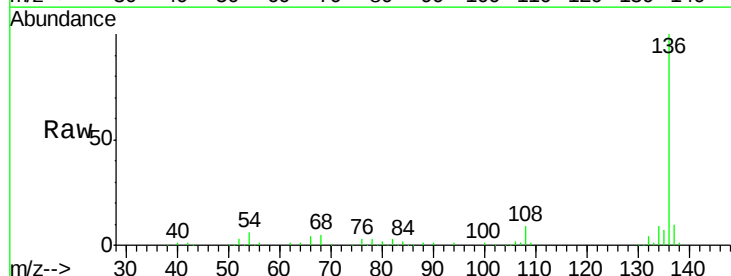
Instrument :
BNA_F
ClientSampled :
RW-9V

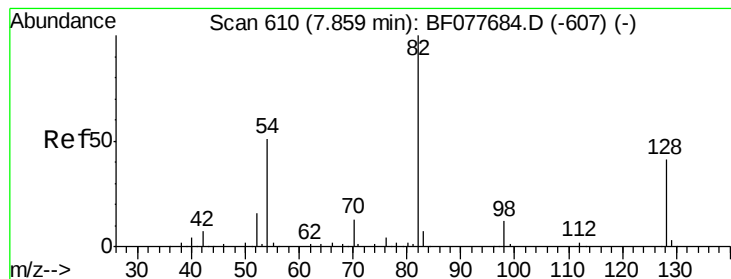
Tgt Ion: 70 Resp: 37953
Ion Ratio Lower Upper
70 100
42 42.2 44.5 66.7#
101 0.0 7.4 11.2#
130 2.4 15.3 22.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.70 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF077875.D
Acq: 20 Mar 2015 20:54

Tgt Ion: 136 Resp: 178176
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 5.7 4.6 6.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 109.92 ng

RT: 7.82 min Scan# 607

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampleId :

RW-9V

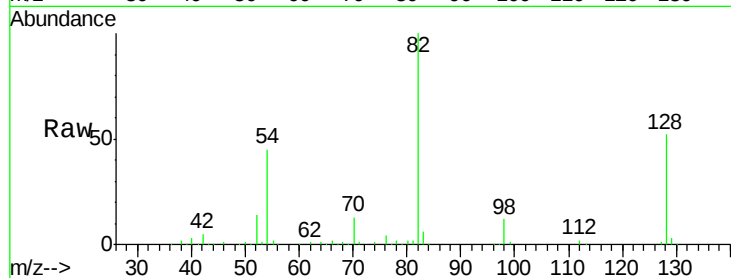
Tgt Ion: 82 Resp: 298763

Ion Ratio Lower Upper

82 100

128 51.8 32.8 49.2#

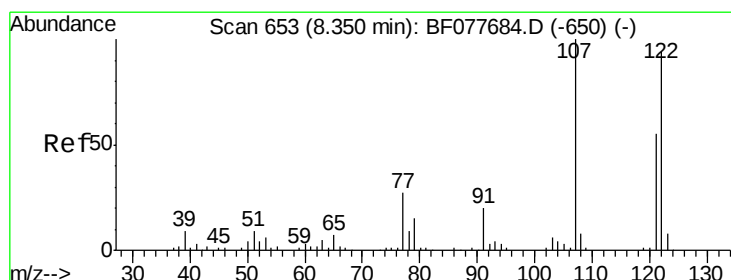
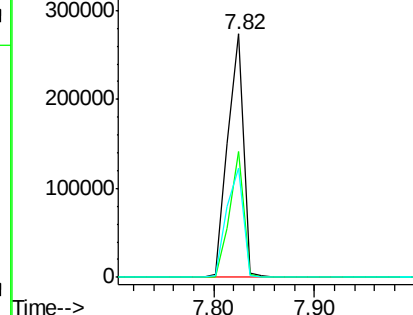
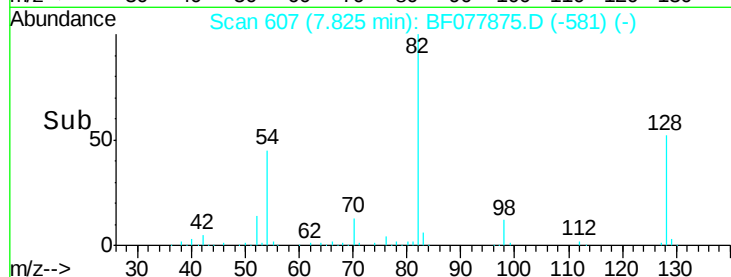
54 44.7 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF077684.D (-607) (-)

Ion 128.00 (127.70 to 128.70): BF077684.D (-607) (-)

Ion 54.00 (53.70 to 54.70): BF077684.D (-607) (-)



#27

2,4-Dimethylphenol

Concen: 22.20 ng

RT: 8.43 min Scan# 660

Delta R.T. 0.11 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

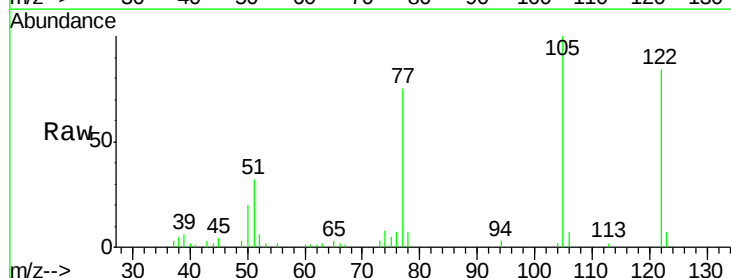
Tgt Ion: 122 Resp: 57972

Ion Ratio Lower Upper

122 100

107 0.0 84.7 127.1#

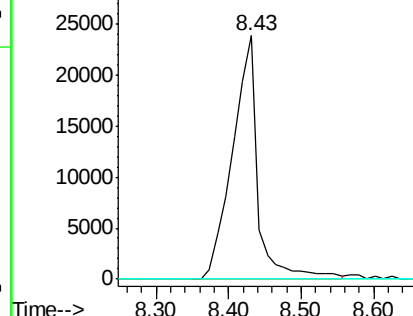
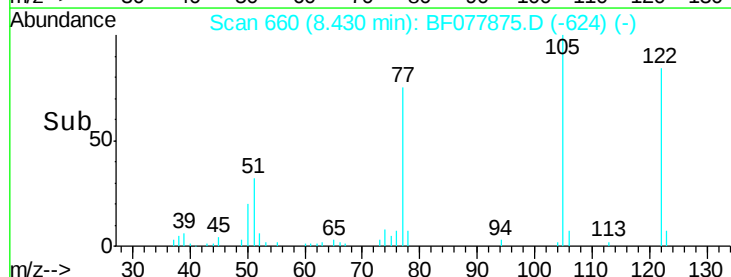
121 0.0 46.6 69.8#

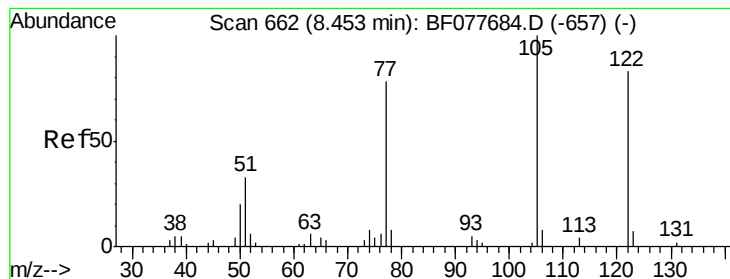


Abundance Ion 122.00 (121.70 to 122.70): BF077684.D (-650) (-)

Ion 107.00 (106.70 to 107.70): BF077684.D (-650) (-)

Ion 121.00 (120.70 to 121.70): BF077684.D (-650) (-)





#32

Benzoic acid

Concen: 40.67 ng

RT: 8.43 min Scan# 660

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampleId :

RW-9V

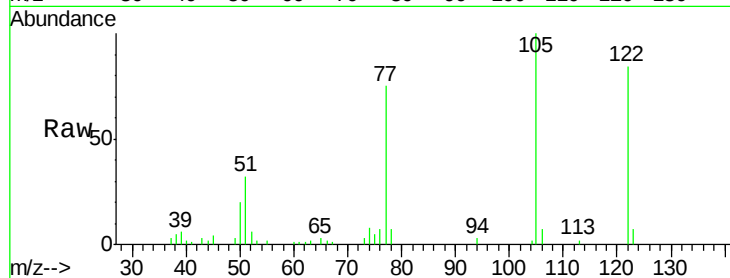
Tgt Ion:122 Resp: 58519

Ion Ratio Lower Upper

122 100

105 119.5 99.9 139.9

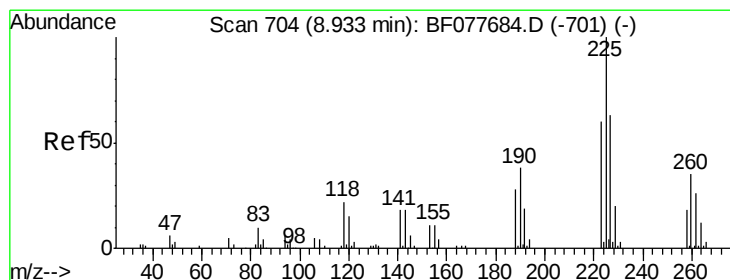
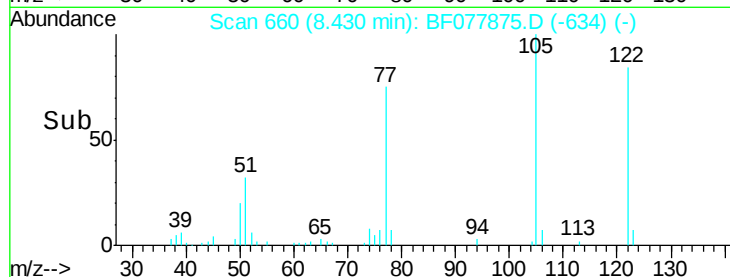
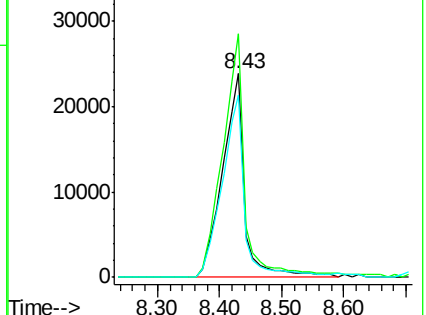
77 89.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#34

Hexachlorobutadiene

Concen: 17.04 ng

RT: 8.89 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

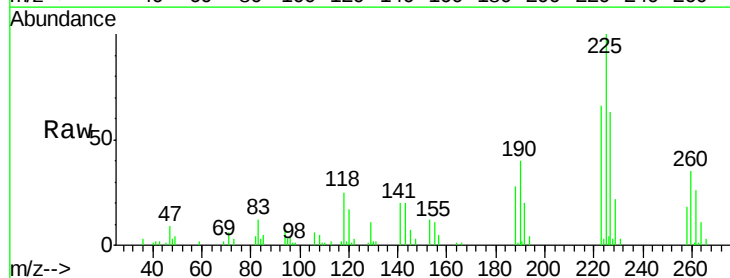
Tgt Ion:225 Resp: 26895

Ion Ratio Lower Upper

225 100

223 65.7 47.9 71.9

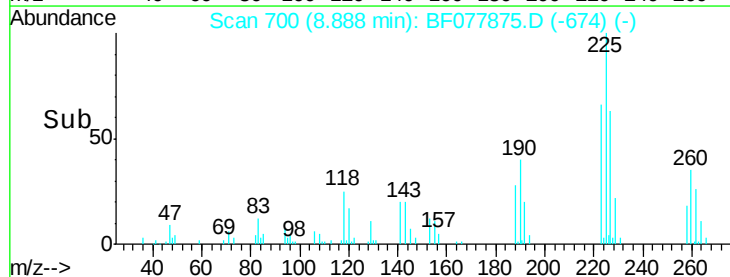
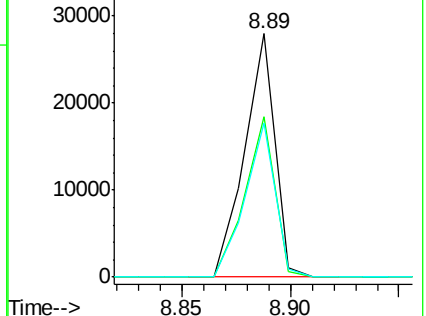
227 63.3 50.1 75.1

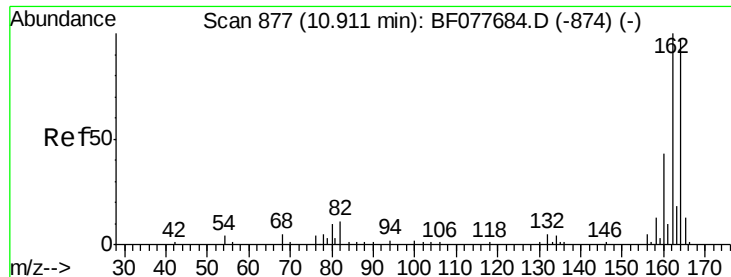


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

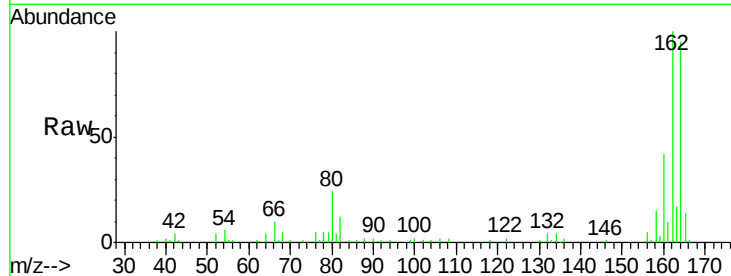




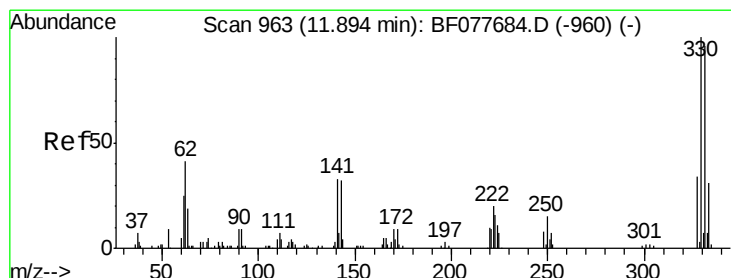
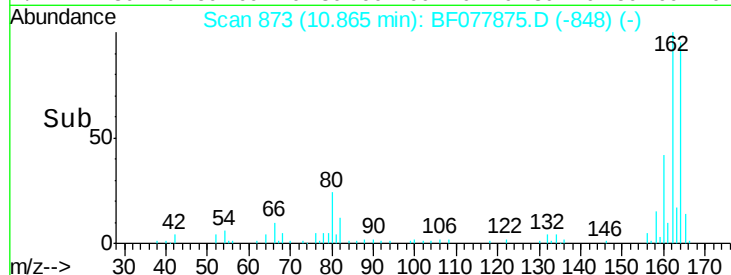
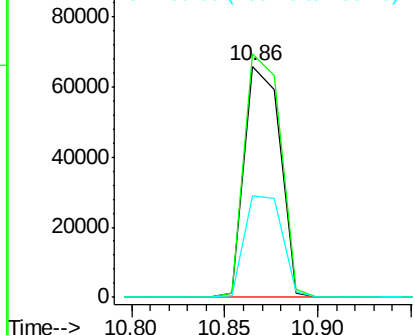
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF077875.D
Acq: 20 Mar 2015 20:54

Instrument :
BNA_F
ClientSampleId :
RW-9V

Tgt Ion:164 Resp: 87524
Ion Ratio Lower Upper
164 100
162 105.5 82.4 123.6
160 44.1 35.8 53.6

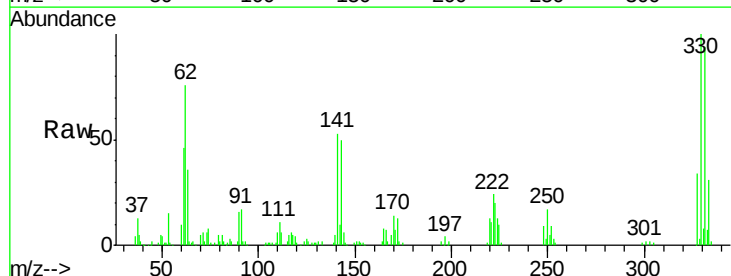


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

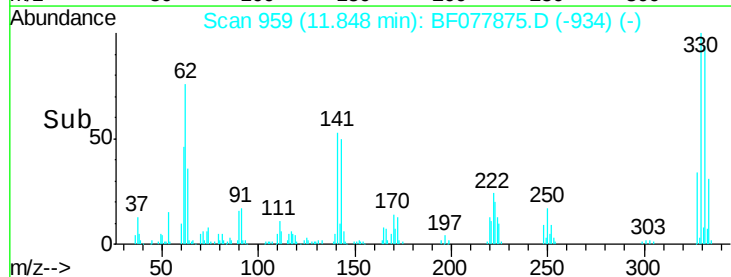
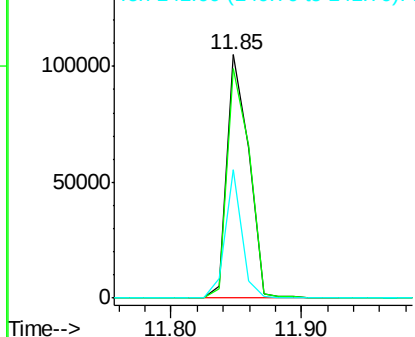


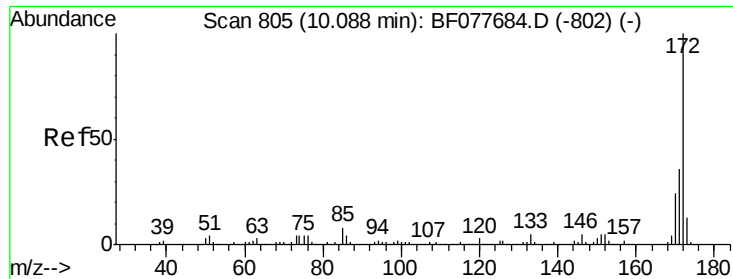
#41
2,4,6-Tribromophenol
Concen: 146.10 ng
RT: 11.85 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF077875.D
Acq: 20 Mar 2015 20:54

Tgt Ion:330 Resp: 122346
Ion Ratio Lower Upper
330 100
332 96.8 0.0 0.0#
141 40.5 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

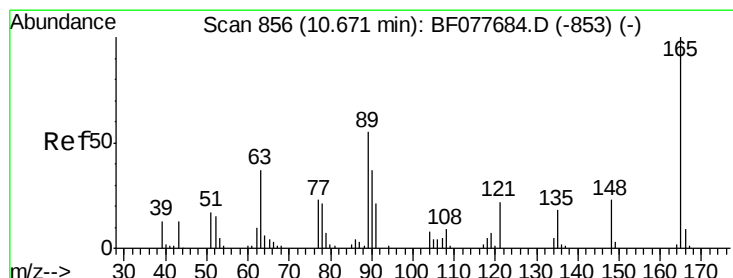
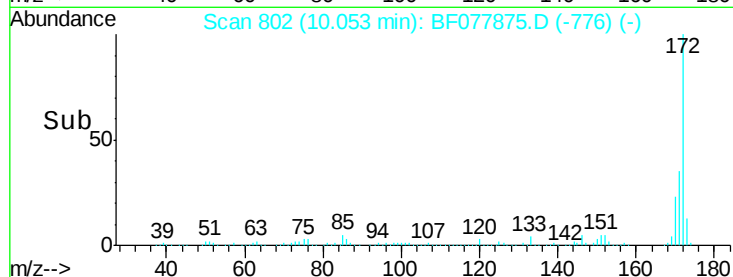
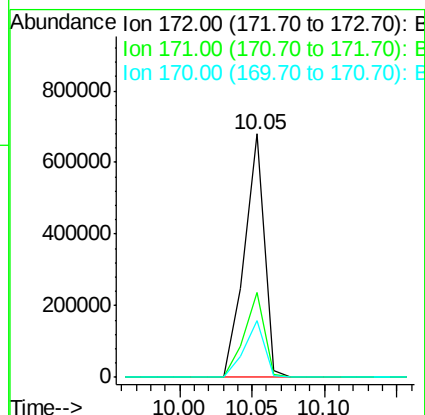
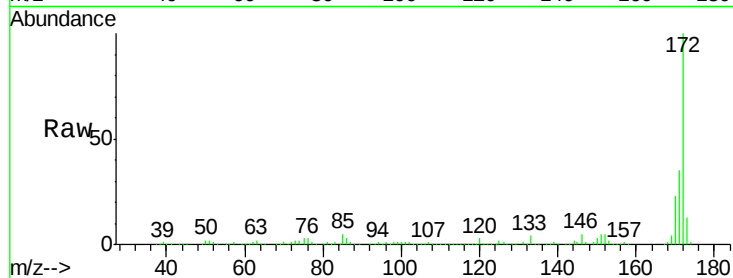




#44
 2-Fluorobiphenyl
 Concen: 109.28 ng
 RT: 10.05 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

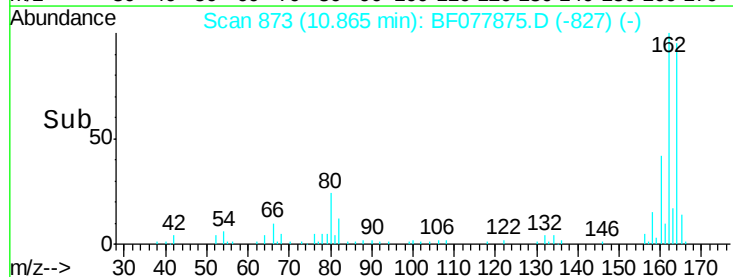
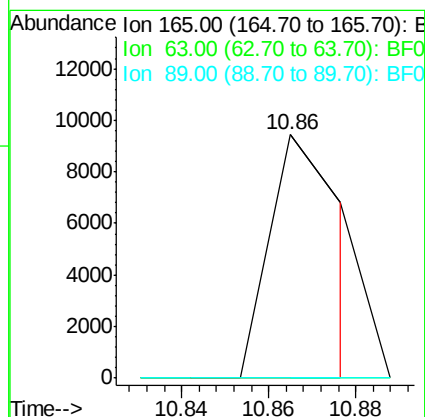
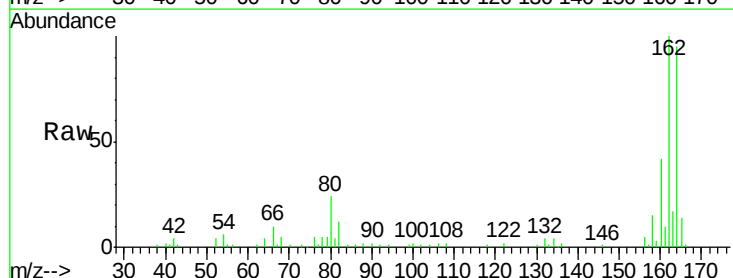
Instrument :
 BNA_F
 ClientSampleId :
 RW-9V

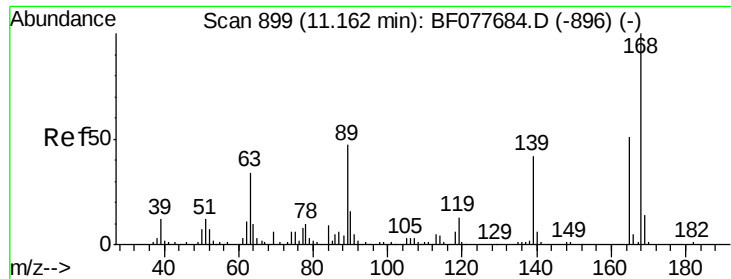
Tgt Ion:172 Resp: 650825
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.2 18.8 28.2



#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 10.86 min Scan# 873
 Delta R.T. 0.23 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

Tgt Ion:165 Resp: 11152
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.1 66.1#
 89 0.0 44.3 66.5#

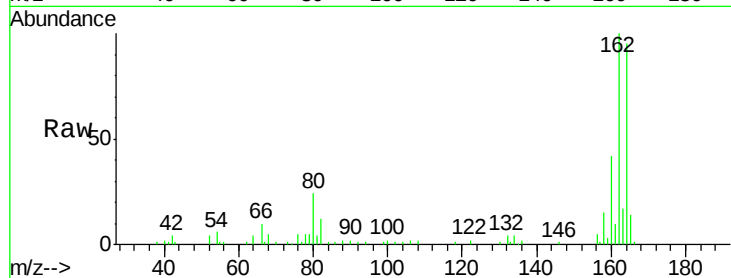




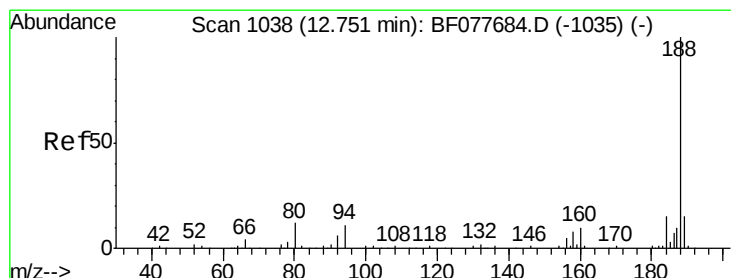
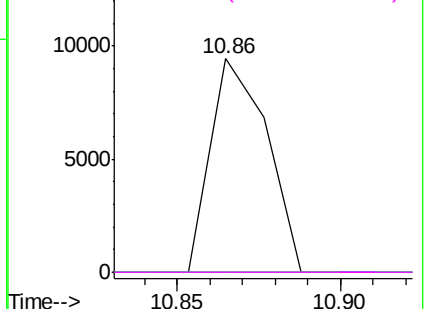
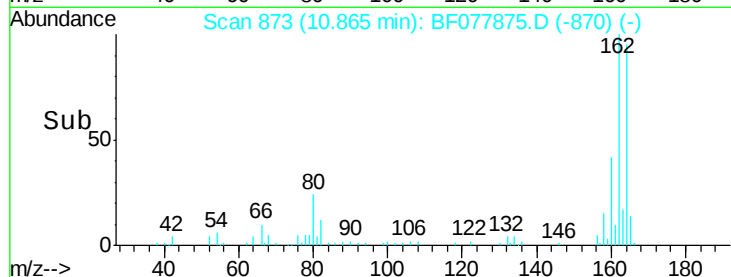
#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 10.86 min Scan# 873
 Delta R.T. -0.26 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

Instrument :
 BNA_F
 ClientSampleId :
 RW-9V

Tgt Ion:165 Resp: 11154
 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#

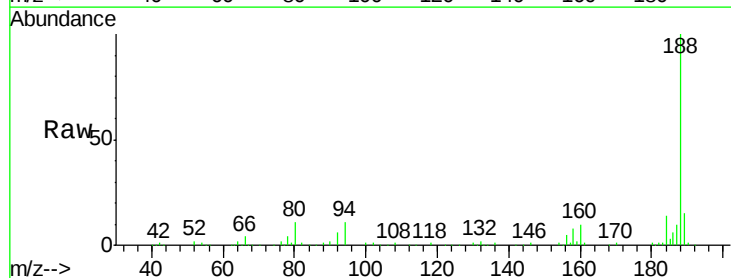


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

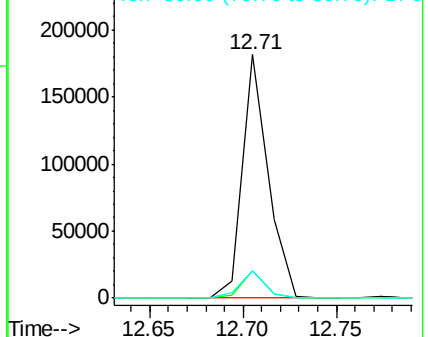
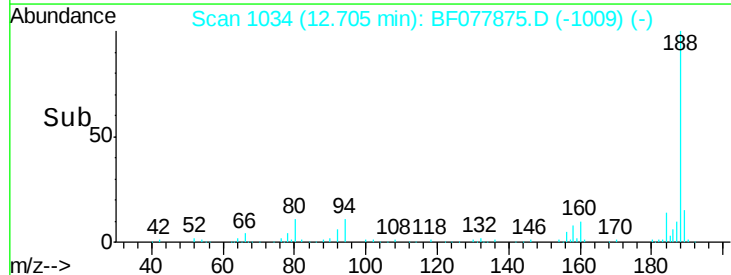


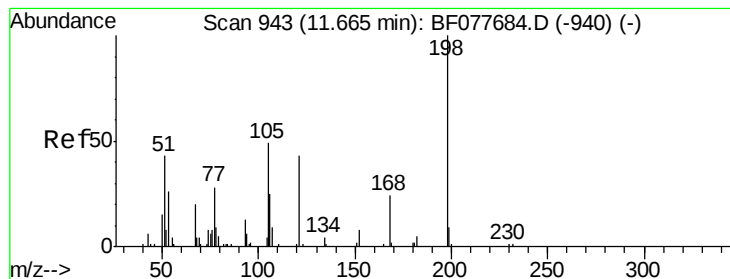
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.71 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

Tgt Ion:188 Resp: 174281
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.7 13.1
 80 11.4 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: 4.61 ng

RT: 11.85 min Scan# 959

Delta R.T. 0.22 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

Instrument :

BNA_F

ClientSampled :

RW-9V

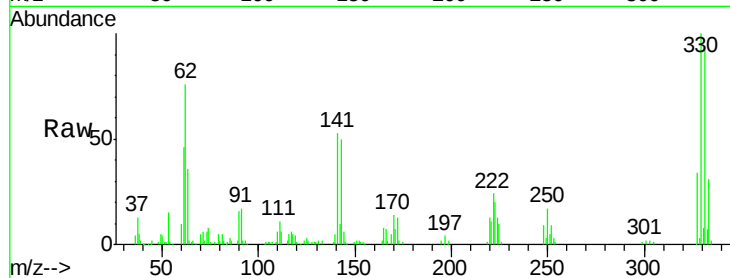
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 155.7 28.8 68.8#

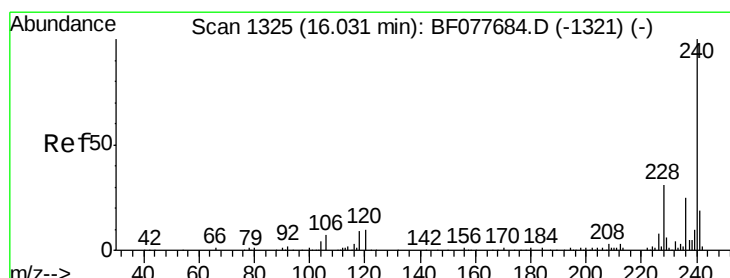
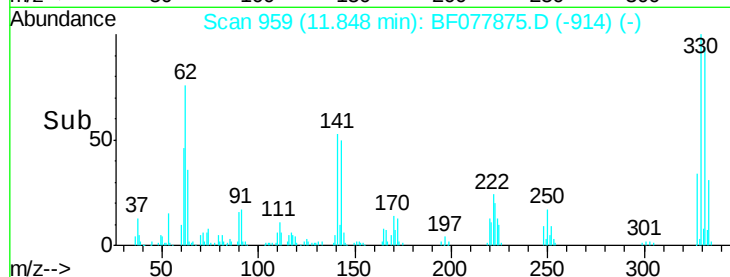
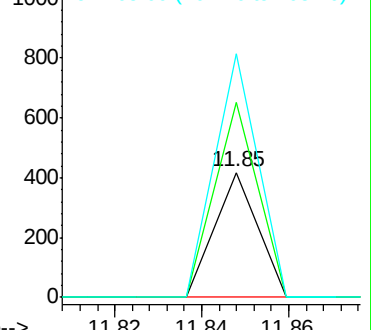
105 194.7 30.5 70.5#



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: 15.99 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF077875.D

Acq: 20 Mar 2015 20:54

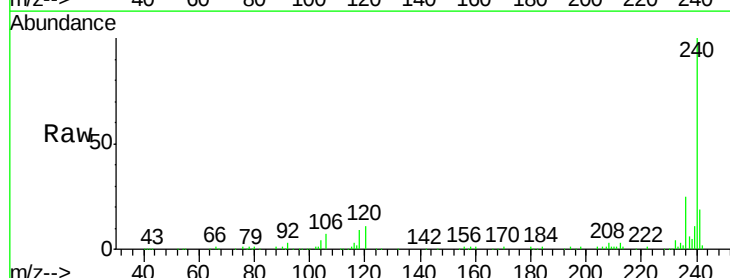
Tgt Ion:240 Resp: 183150

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

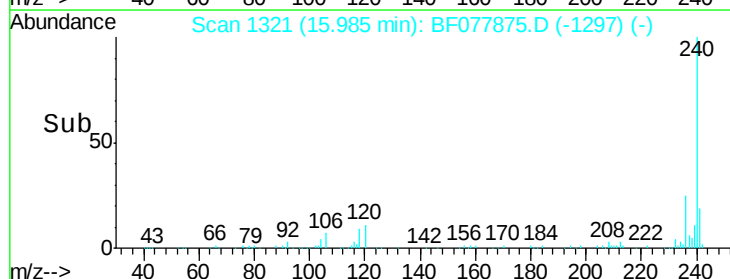
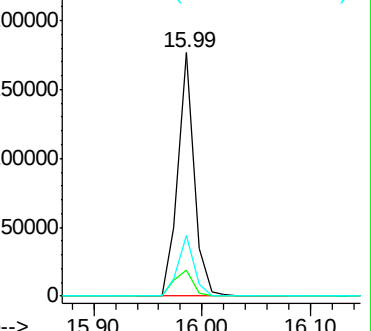
236 24.8 20.0 30.0

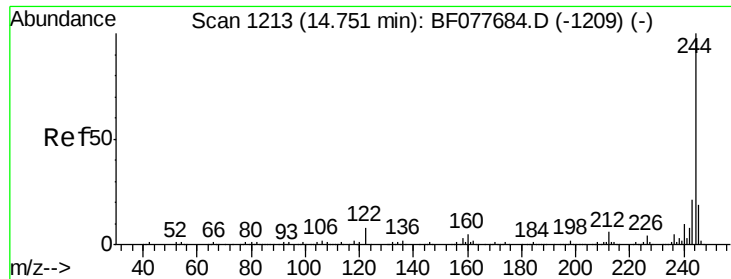


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

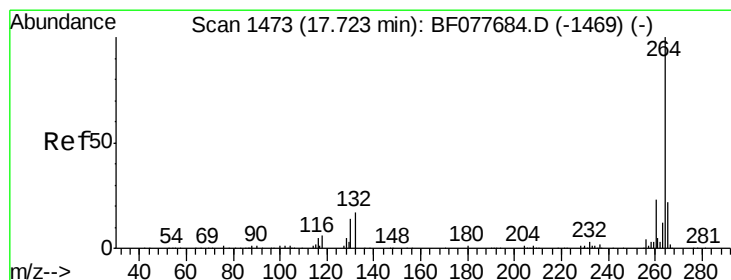
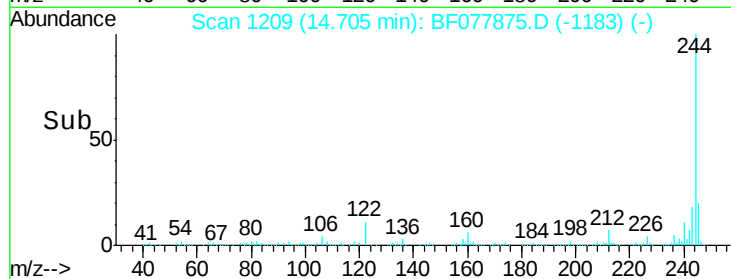
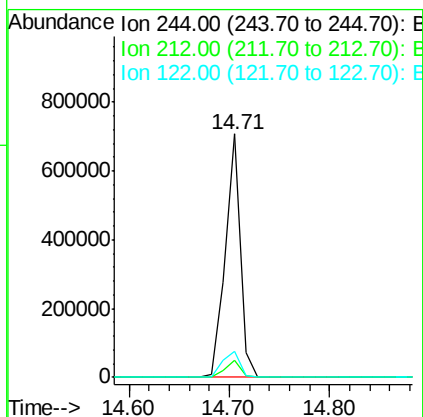
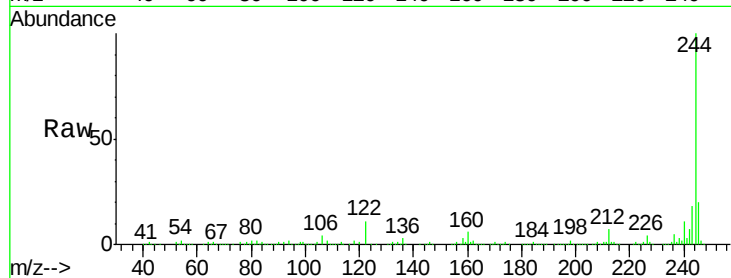




#78
 Terphenyl-d14
 Concen: 97.88 ng
 RT: 14.71 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

Instrument :
 BNA_F
 ClientSampleId :
 RW-9V

Tgt Ion:244 Resp: 733914
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.9 7.3
 122 10.8 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1471
 Delta R.T. -0.14 min
 Lab File: BF077875.D
 Acq: 20 Mar 2015 20:54

Tgt Ion:264 Resp: 176946
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 20.9 17.3 25.9

