

Data Path : Z:\HPCHEM1\BNA F\Data\BF012815\
 Data File : BF077113.D
 Acq On : 28 Jan 2015 21:31
 Operator : TP/IZ
 Sample : G1137-03DL 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 02:38:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 00:11:13 2015
 Response via : Initial Calibration

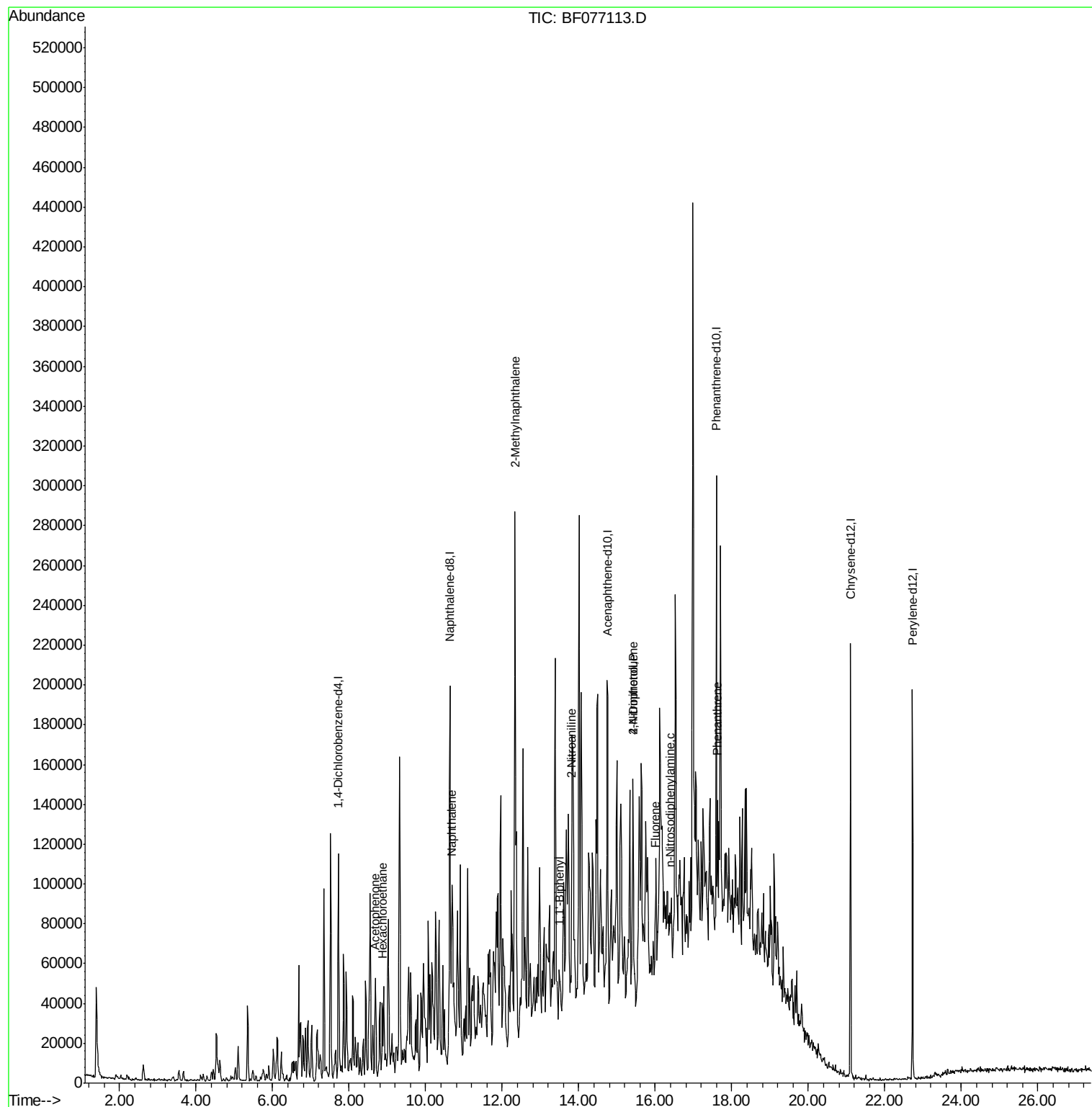
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	28673	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	124876	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	58074	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	103657	20.00	ng	0.00
75) Chrysene-d12	21.10	240	101219	20.00	ng	0.00
86) Perylene-d12	22.72	264	93806	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.79	112	1825	1.05	ng	0.03
7) Phenol-d6	7.17	99	2558	1.16	ng	0.02
23) Nitrobenzene-d5	9.04	82	2866	1.27	ng	0.02
41) 2,4,6-Tribromophenol	16.48	330	330	0.70	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	3748	0.98	ng	0.00
78) Terphenyl-d14	19.83	244	4737	1.08	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	8.86	117	1734	2.06	ng	# 1
22) Acetophenone	8.68	105	19417	6.35	ng	# 54
31) Naphthalene	10.68	128	46850	7.29	ng	97
37) 2-Methylnaphthalene	12.33	142	115263	26.25	ng	97
45) 1,1'-Biphenyl	13.49	154	11174	2.60	ng	94
47) 2-Nitroaniline	13.82	65	2221	2.07	ng	# 11
55) 4-Nitrophenol	15.42	139	3547	5.49	ng	# 42
56) 2,4-Dinitrotoluene	15.42	165	2869	4.33	ng	# 67
57) Fluorene	16.00	166	9905	2.37	ng	# 88
65) n-Nitrosodiphenylamine	16.38	169	9316	2.52	ng	# 35
70) Phenanthrene	17.63	178	30096	4.66	ng	# 95

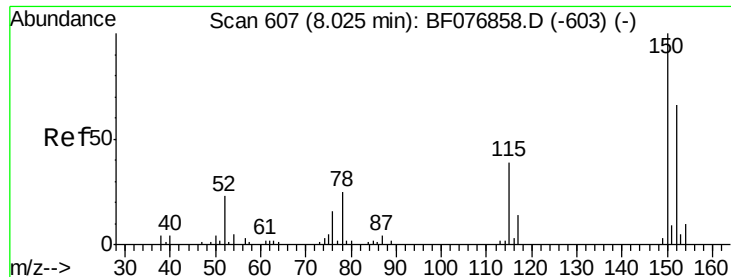
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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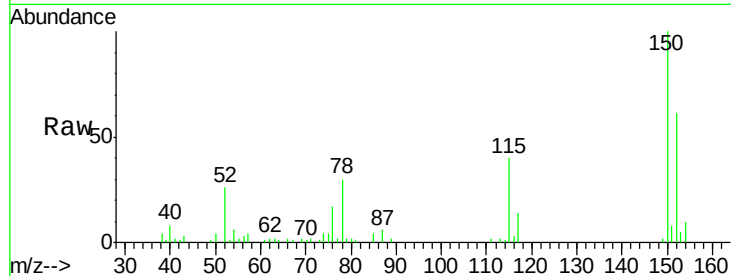


#1

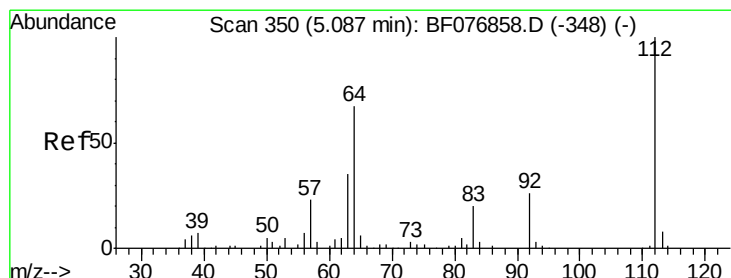
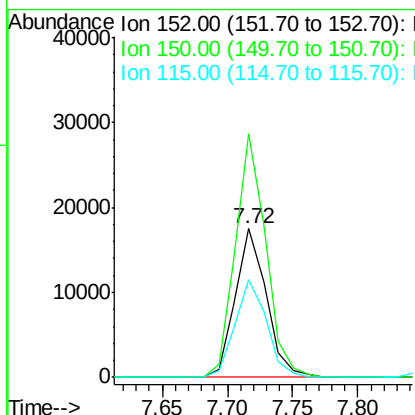
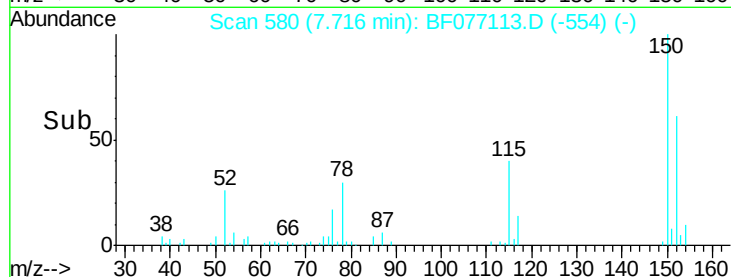
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF077113.D
Acq: 28 Jan 2015 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28673
Ion Ratio Lower Upper
152 100
150 164.1 121.7 182.5
115 65.8 47.0 70.6



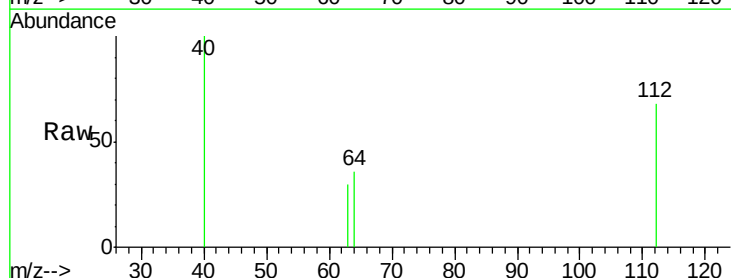
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



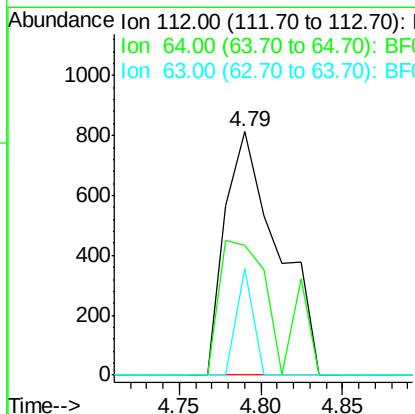
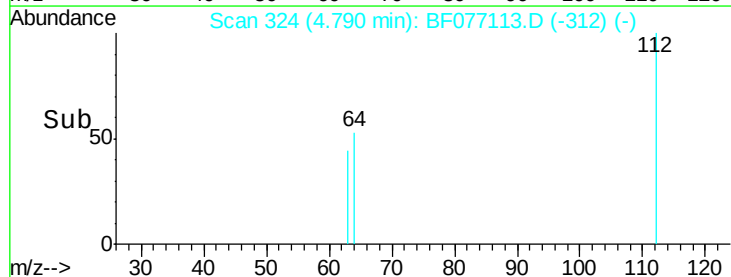
#5

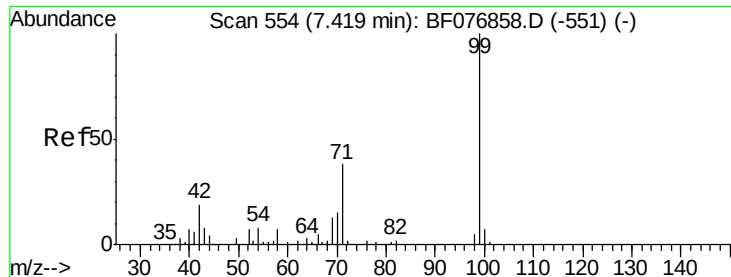
2-Fluorophenol
Concen: 1.05 ng
RT: 4.79 min Scan# 324
Delta R.T. 0.03 min
Lab File: BF077113.D
Acq: 28 Jan 2015 21:31

Tgt Ion:112 Resp: 1825
Ion Ratio Lower Upper
112 100
64 53.3 54.2 81.4#
63 44.0 28.4 42.6#



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: 1.16 ng

RT: 7.17 min Scan# 532

Delta R.T. 0.02 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

Instrument :

BNA_F

ClientSampled :

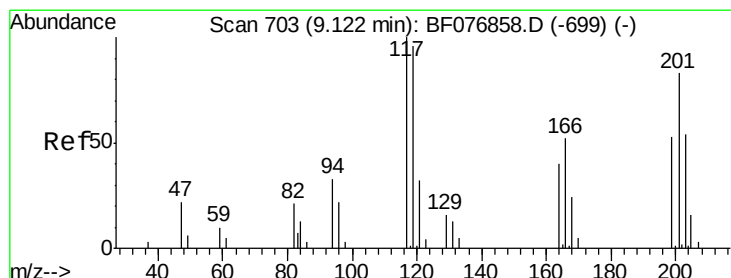
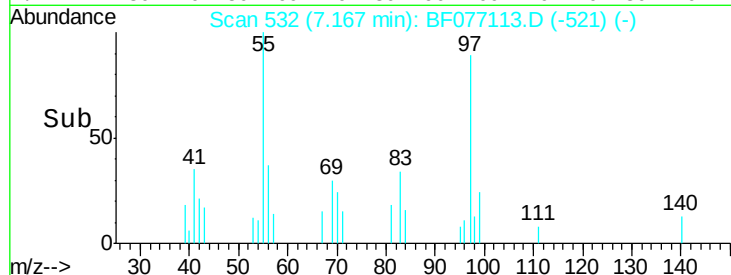
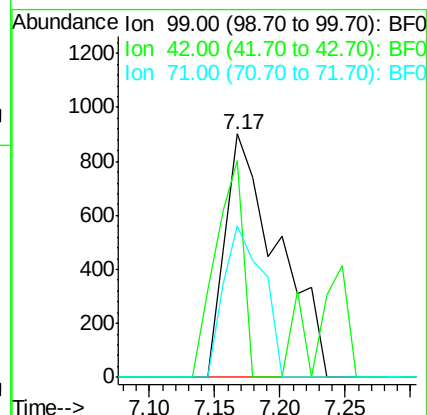
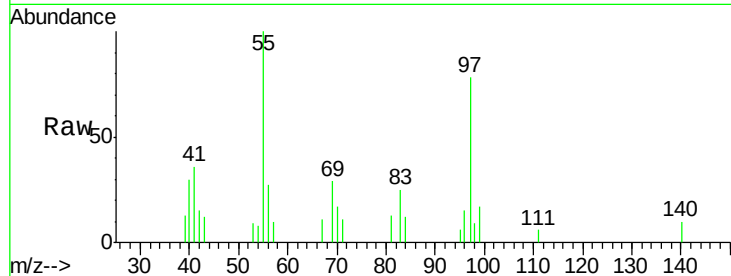
Tot Ion: 99 Resp: 2558

Ion Ratio Lower Upper

99 100

42 88.9 15.0 22.4#

71 62.2 30.5 45.7#



#18

Hexachloroethane

Concen: 2.06 ng

RT: 8.86 min Scan# 680

Delta R.T. 0.03 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

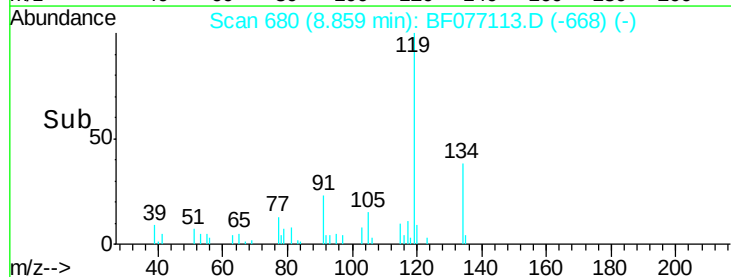
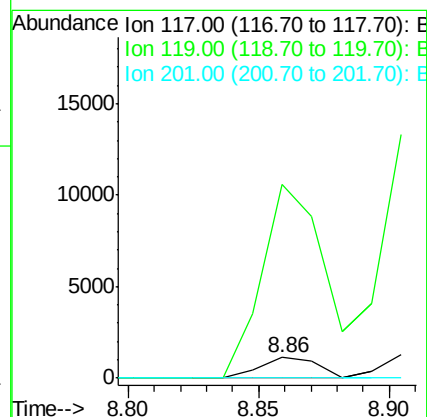
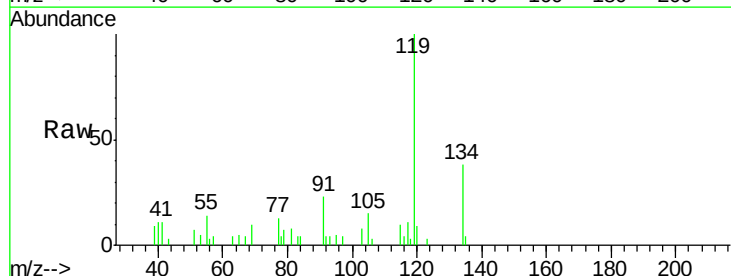
Tgt Ion: 117 Resp: 1734

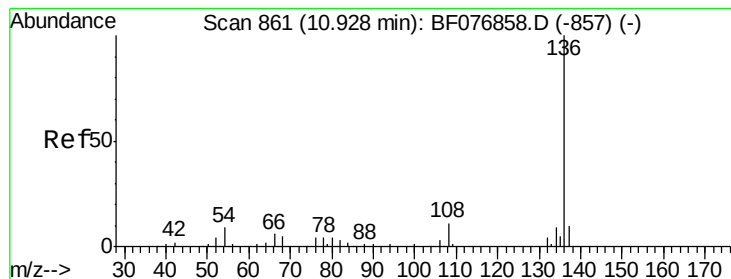
Ion Ratio Lower Upper

117 100

119 939.6 77.1 115.7#

201 0.0 66.8 100.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.63 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 124876

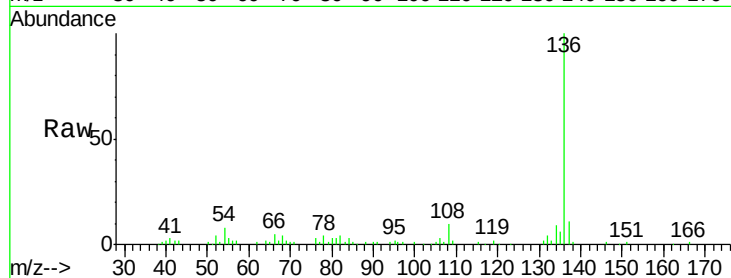
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 7.6 7.0 10.4

68 4.5 3.7 5.5

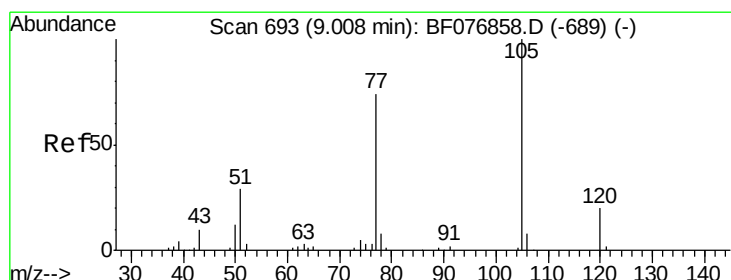
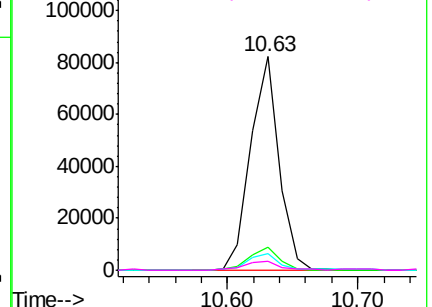
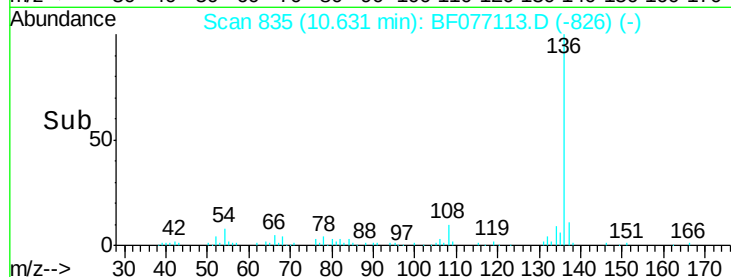


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 6.35 ng

RT: 8.68 min Scan# 664

Delta R.T. -0.05 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

Tgt Ion:105 Resp: 19417

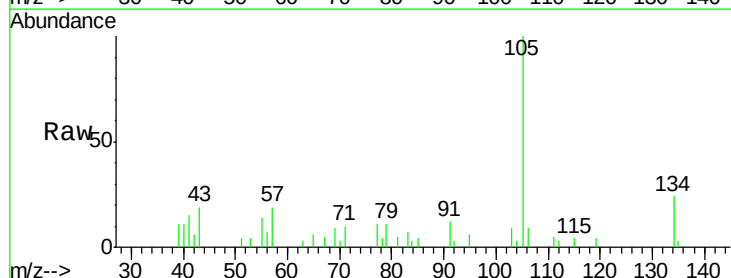
Ion Ratio Lower Upper

105 100

71 9.6 0.0 0.0#

51 3.5 23.3 34.9#

120 0.0 16.1 24.1#

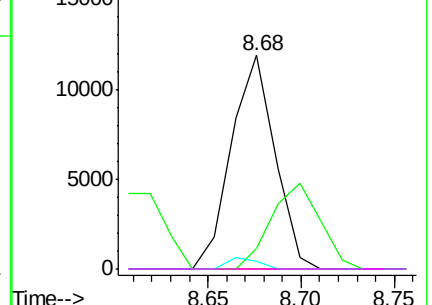
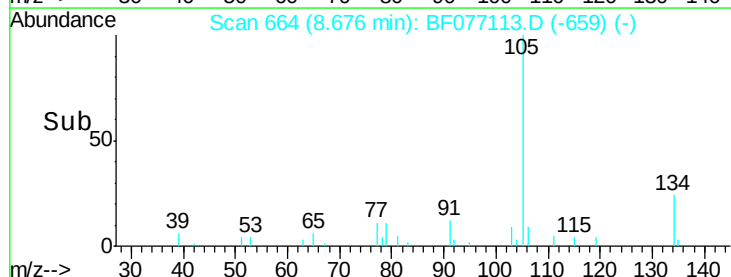


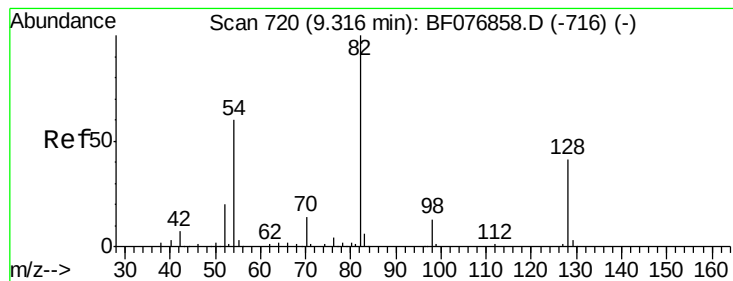
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 1.27 ng

RT: 9.04 min Scan# 696

Delta R.T. 0.02 min

Lab File: BF077113.D

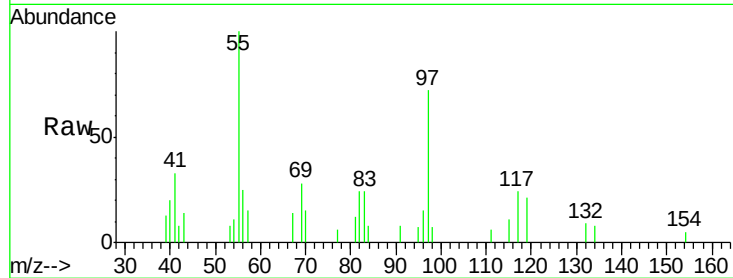
Acq: 28 Jan 2015 21:31

Instrument :

BNA_F

ClientSampleId :

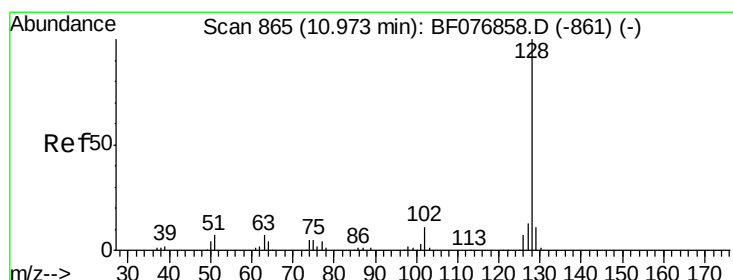
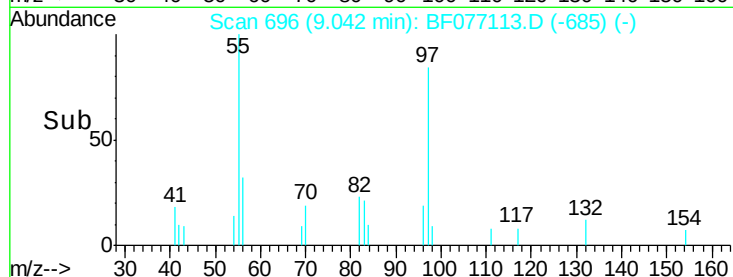
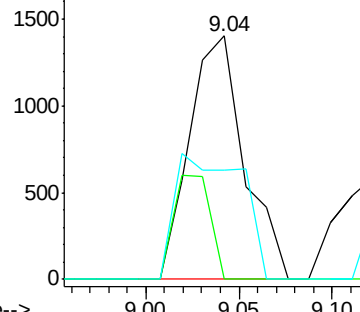
Tot Ion:	82	Resp:	2866
Ion	Ratio	Lower	Upper
82	100		
128	0.0	33.1	49.7#
54	44.8	48.3	72.5#



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



#31

Naphthalene

Concen: 7.29 ng

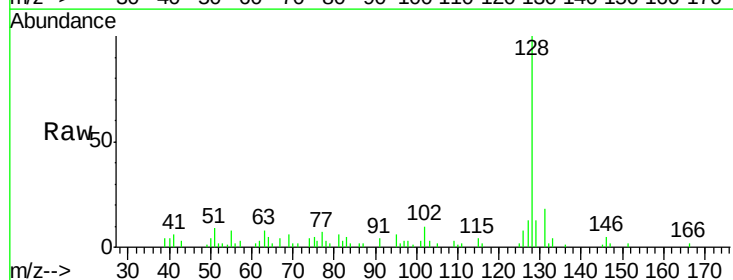
RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

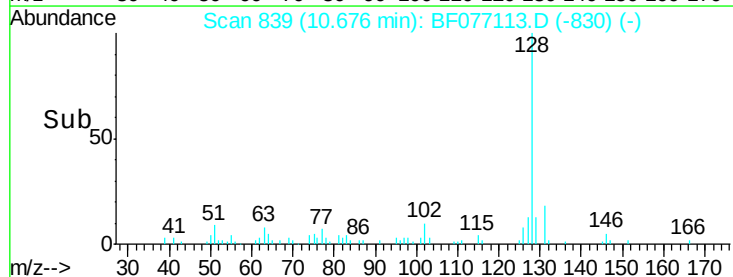
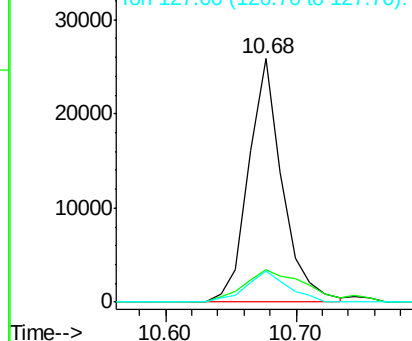
Tgt Ion:	128	Resp:	46850
Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.0	13.6
127	13.0	10.2	15.2

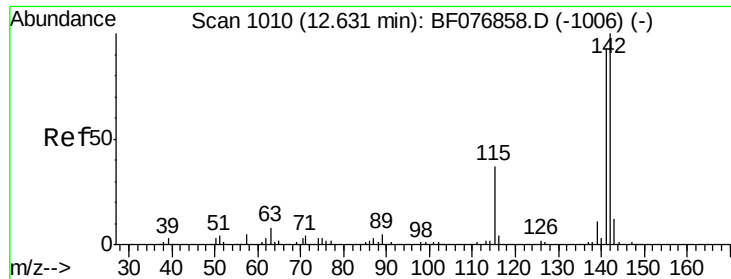


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

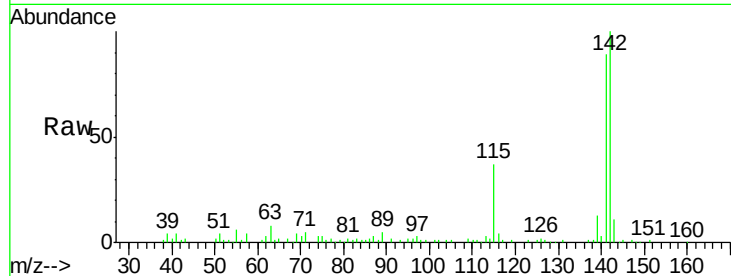




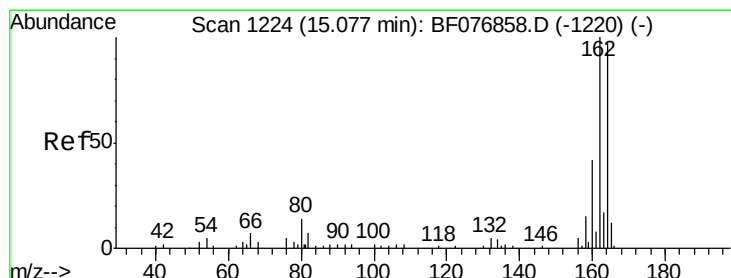
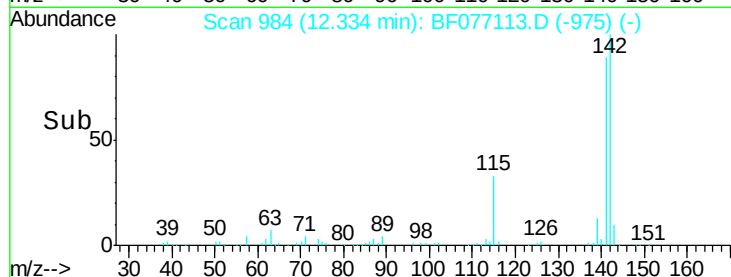
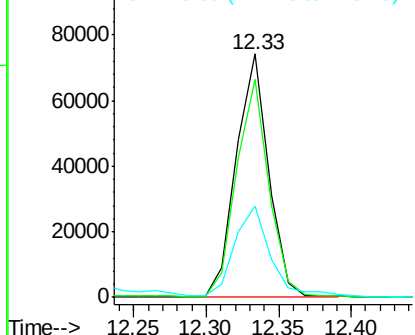
#37
 2-Methylnaphthalene
 Concen: 26.25 ng
 RT: 12.33 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 115263
 Ion Ratio Lower Upper
 142 100
 141 89.5 74.5 111.7
 115 37.3 29.7 44.5

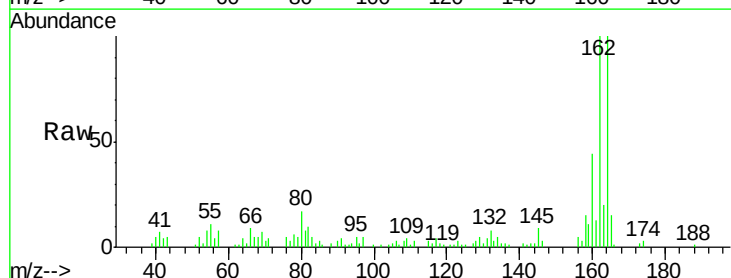


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

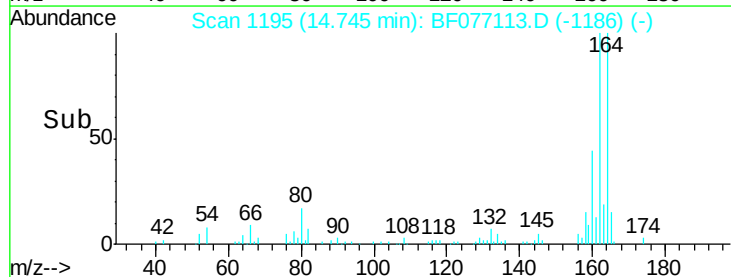
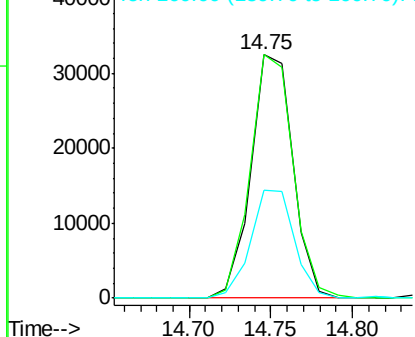


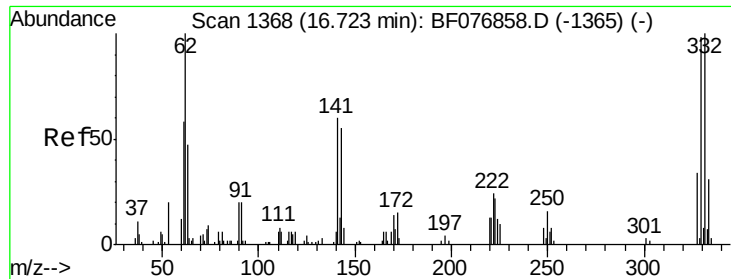
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

Tgt Ion:164 Resp: 58074
 Ion Ratio Lower Upper
 164 100
 162 100.0 82.4 123.6
 160 44.3 34.8 52.2



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

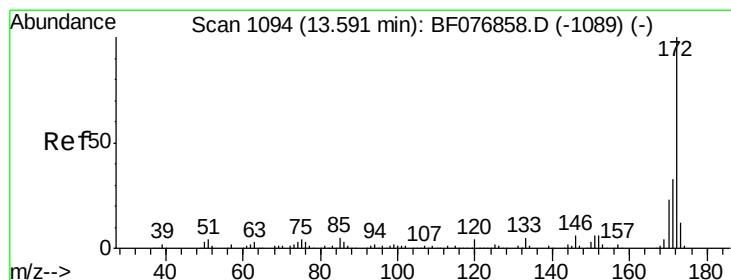
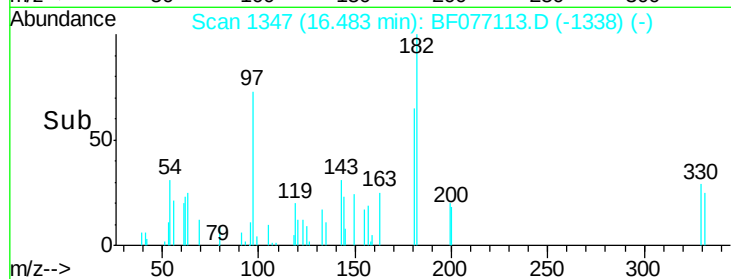
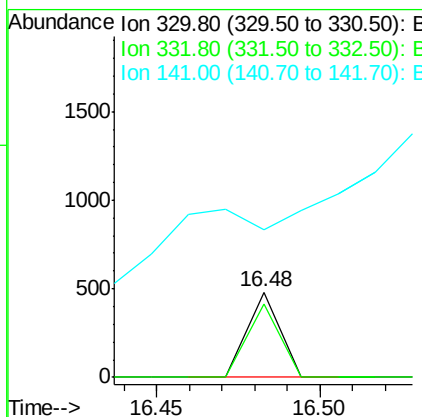
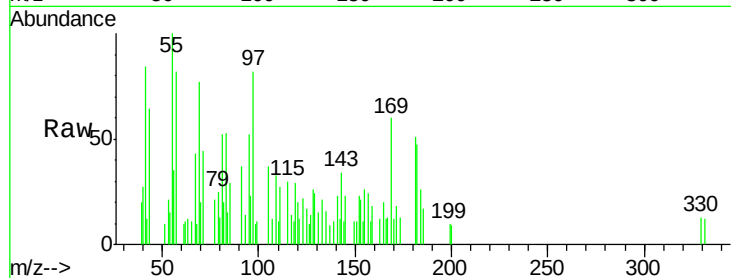




#41
 2,4,6-Tribromophenol
 Concen: 0.70 ng
 RT: 16.48 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

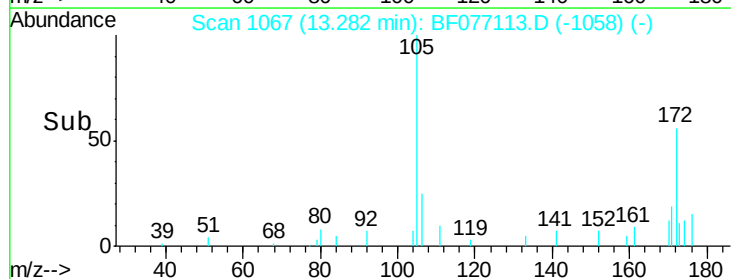
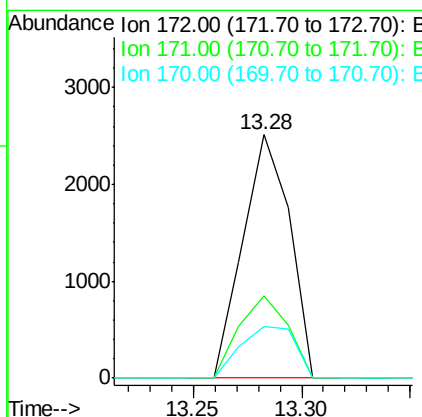
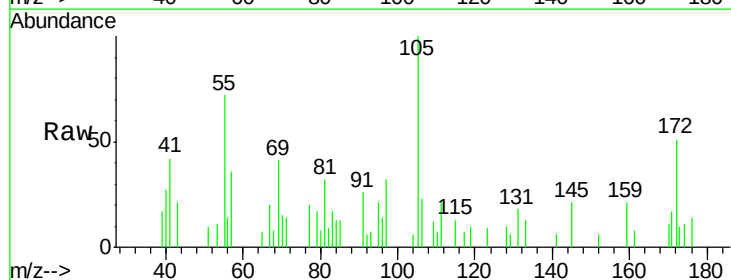
Instrument :
 BNA_F
 ClientSampleId :

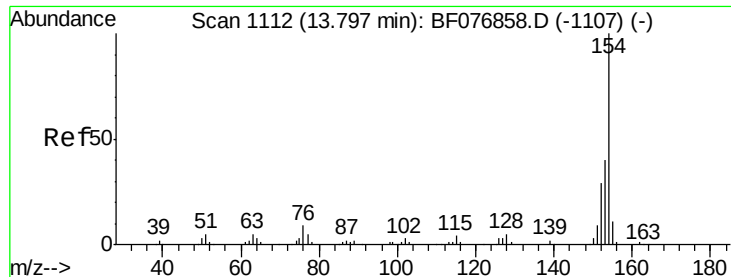
Tot Ion:330 Resp: 330
 Ion Ratio Lower Upper
 330 100
 332 85.8 77.8 116.6
 141 129.4 38.5 57.7#



#44
 2-Fluorobiphenyl
 Concen: 0.98 ng
 RT: 13.28 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

Tgt Ion:172 Resp: 3748
 Ion Ratio Lower Upper
 172 100
 171 33.7 26.6 40.0
 170 21.2 18.0 27.0





#45

1,1'-Biphenyl

Concen: 2.60 ng

RT: 13.49 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

Instrument :

BNA_F

ClientSampleId :

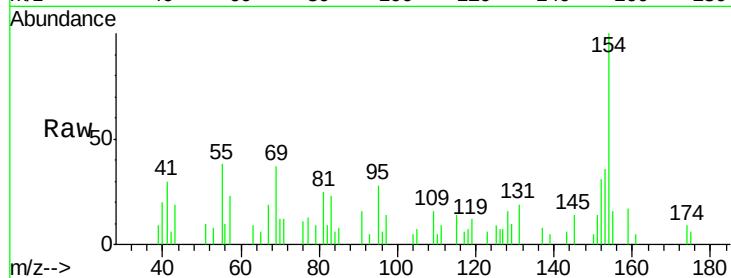
Tot Ion:154 Resp: 11174

Ion Ratio Lower Upper

154 100

153 36.4 20.2 60.2

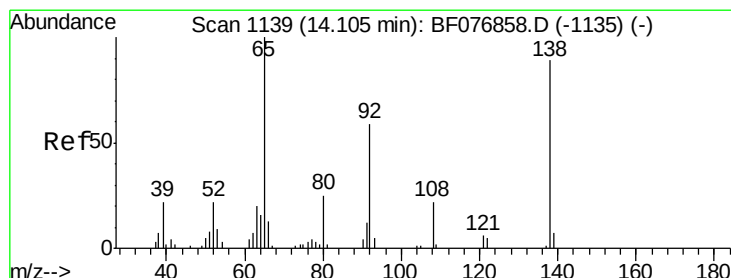
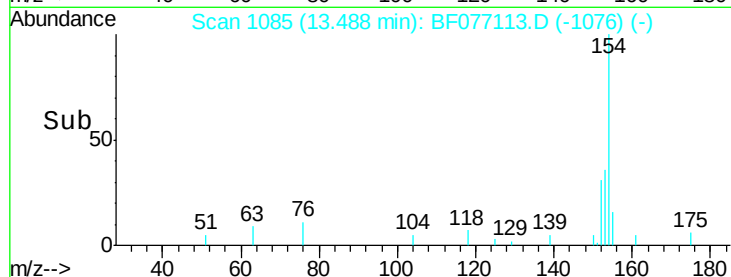
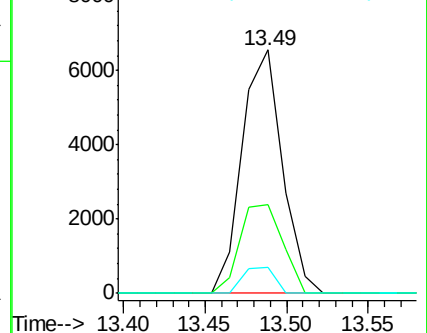
76 10.7 0.0 29.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 2.07 ng

RT: 13.82 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

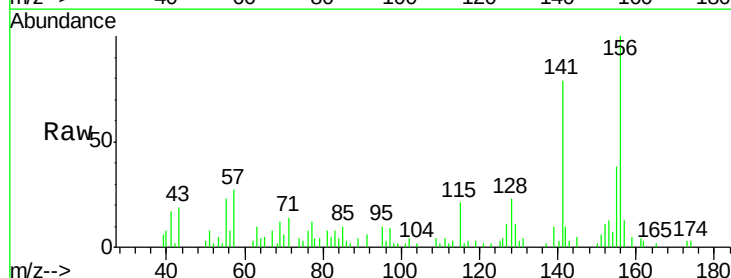
Tgt Ion: 65 Resp: 2221

Ion Ratio Lower Upper

65 100

92 0.0 47.3 70.9#

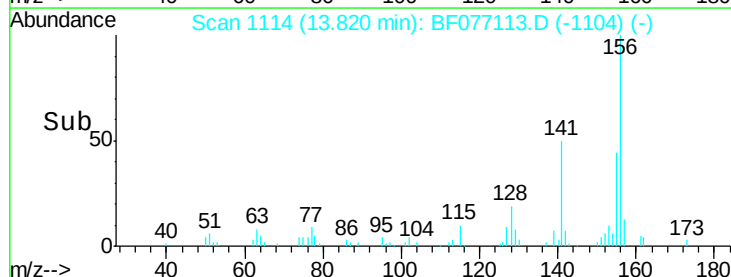
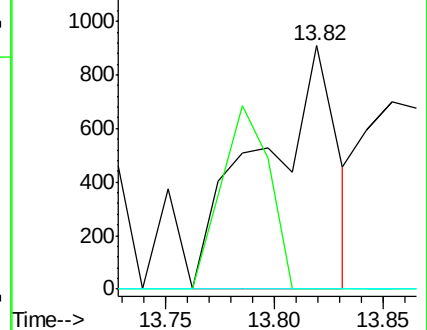
138 0.0 71.4 107.2#

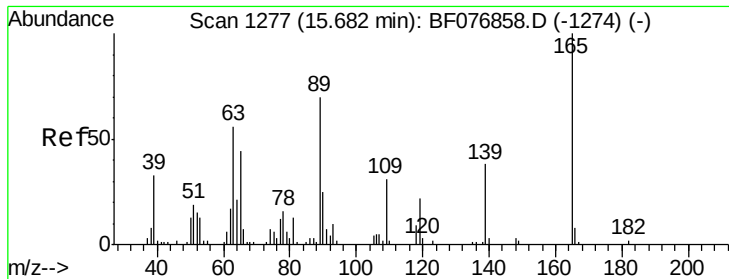


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

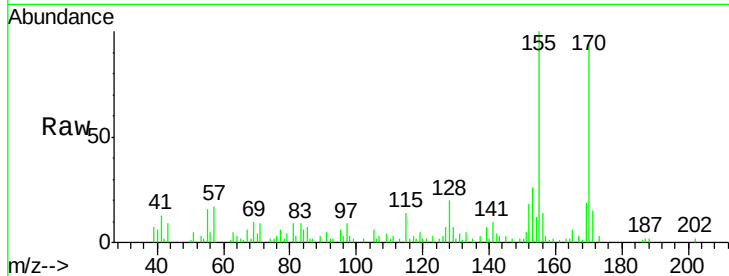




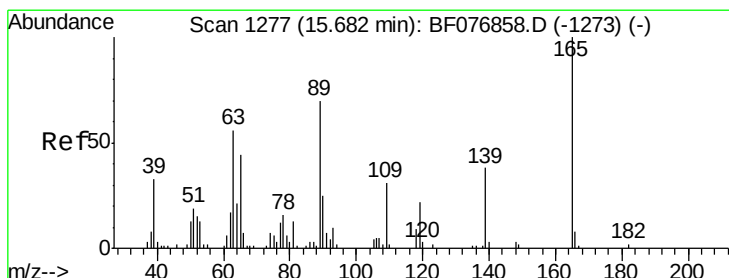
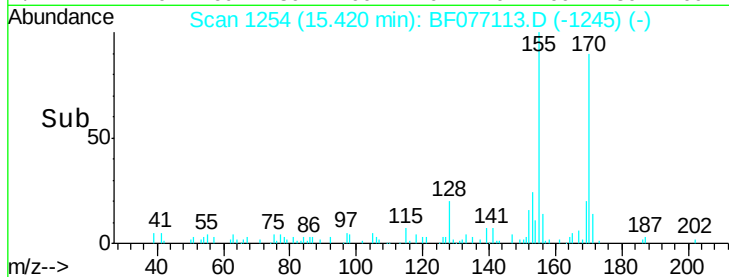
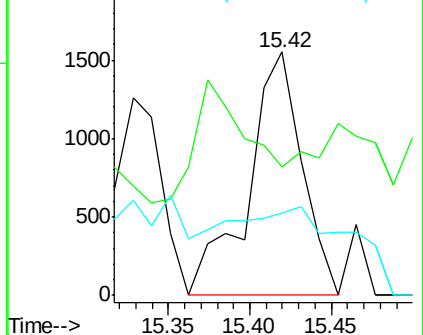
#55
4-Nitrophenol
Concen: 5.49 ng
RT: 15.42 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF077113.D
Acq: 28 Jan 2015 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 3547
Ion Ratio Lower Upper
139 100
109 52.9 61.0 101.0#
65 33.9 96.6 136.6#

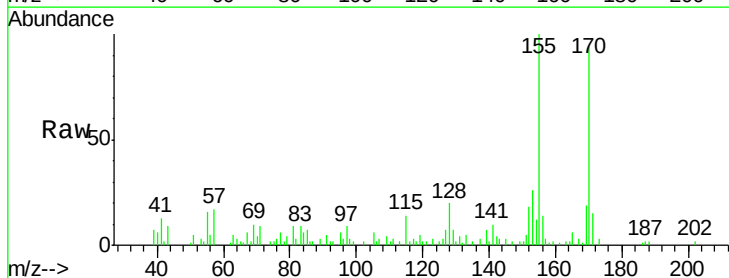


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

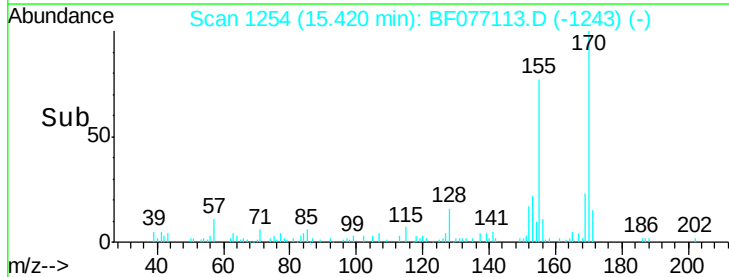
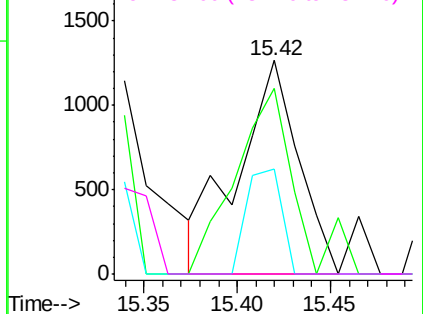


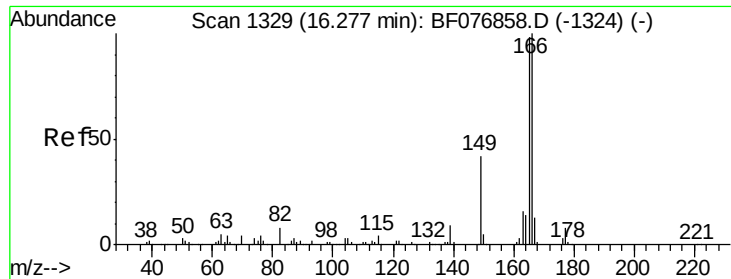
#56
2,4-Dinitrotoluene
Concen: 4.33 ng
RT: 15.42 min Scan# 1254
Delta R.T. 0.02 min
Lab File: BF077113.D
Acq: 28 Jan 2015 21:31

Tgt Ion:165 Resp: 2869
Ion Ratio Lower Upper
165 100
63 86.8 44.8 67.2#
89 49.1 56.2 84.2#
182 0.0 1.5 2.3#



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

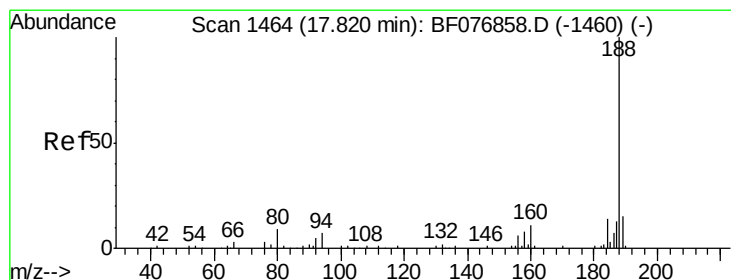
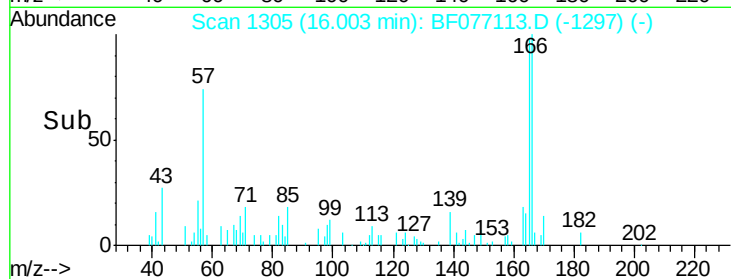
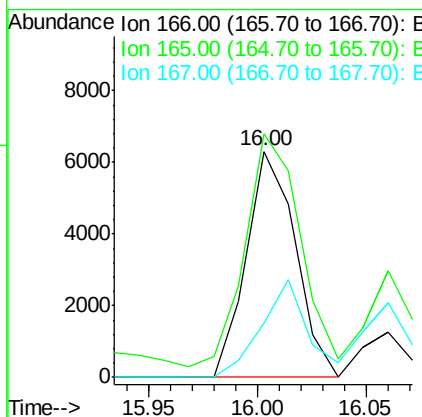
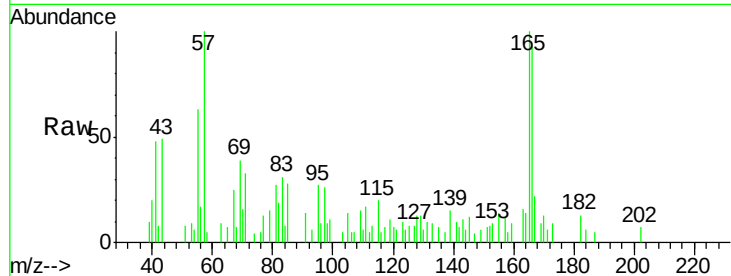




#57
 Fluorene
 Concen: 2.37 ng
 RT: 16.00 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

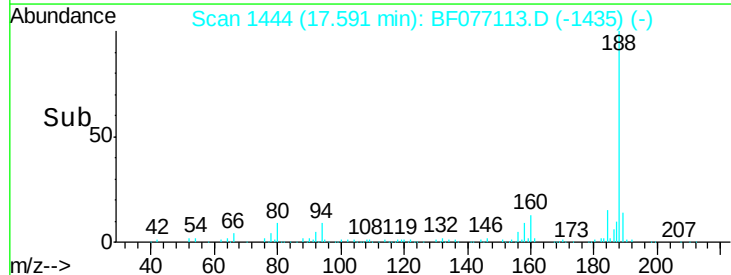
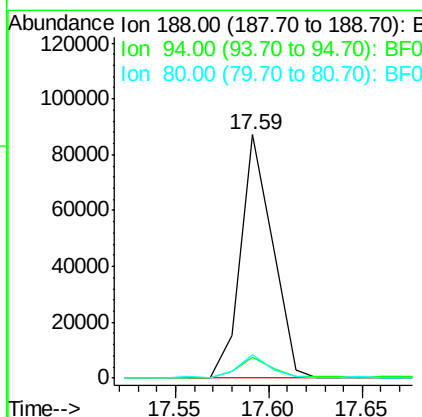
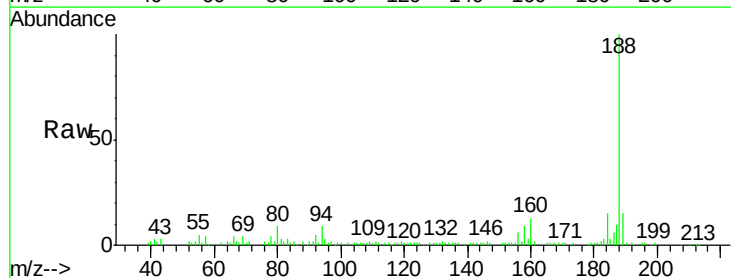
Instrument :
 BNA_F
 ClientSampleId :

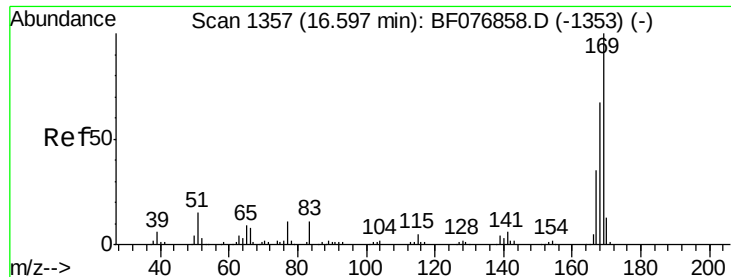
Tot Ion:166 Resp: 9905
 Ion Ratio Lower Upper
 166 100
 165 107.8 78.5 117.7
 167 23.8 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.59 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

Tgt Ion:188 Resp: 103657
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.0 9.0
 80 9.4 6.9 10.3

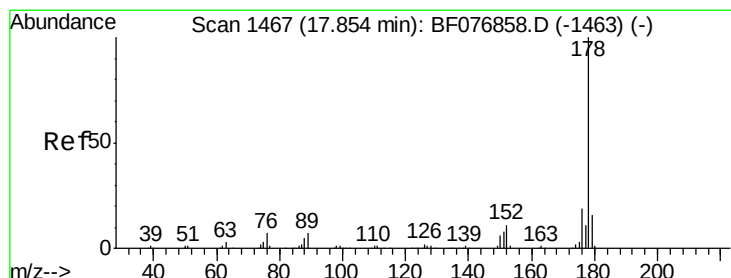
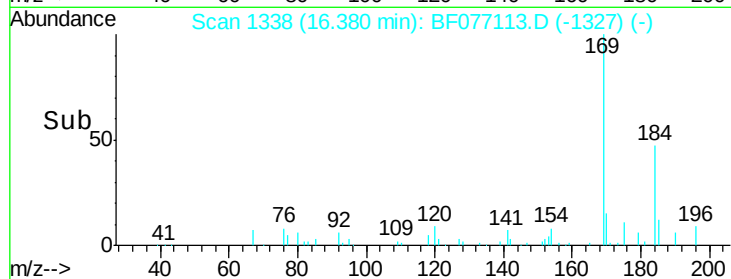
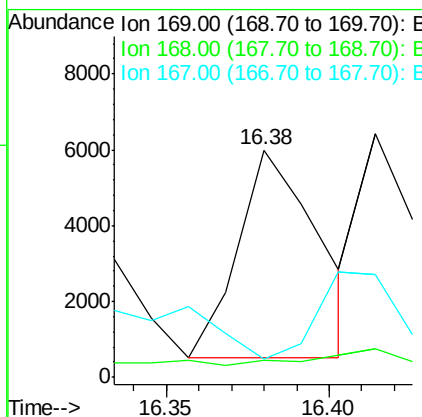
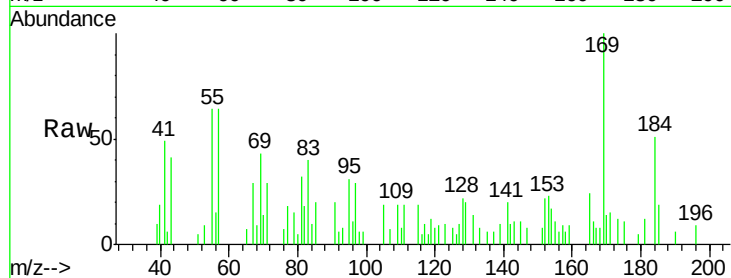




#65
 n-Nitrosodiphenylamine
 Concen: 2.52 ng
 RT: 16.38 min Scan# 1338
 Delta R.T. 0.02 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

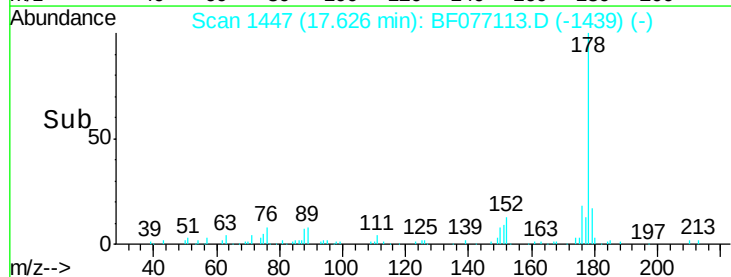
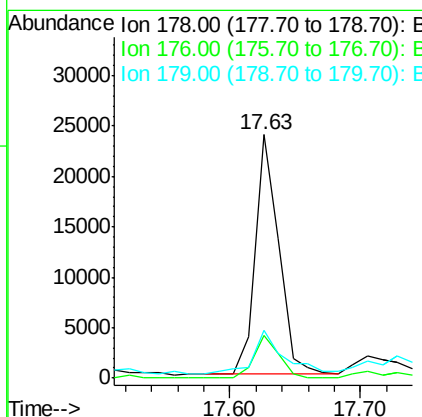
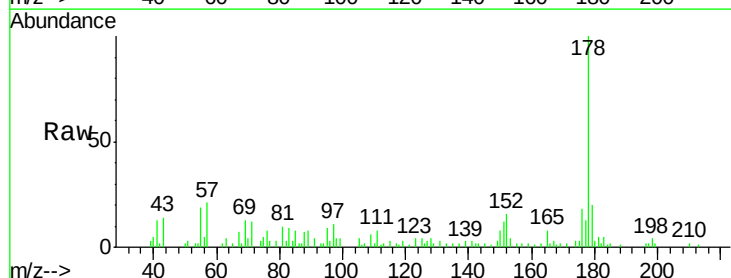
Instrument :
 BNA_F
 ClientSampleId :

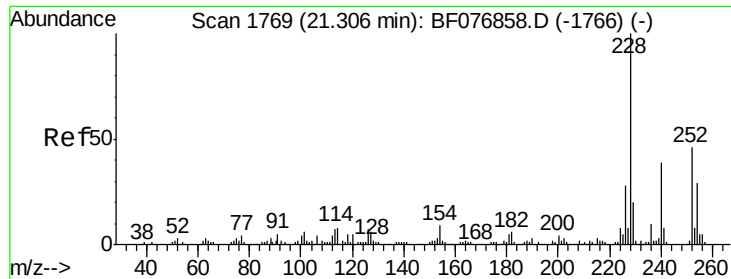
Tot Ion:169 Resp: 9316
 Ion Ratio Lower Upper
 169 100
 168 7.8 53.8 80.6#
 167 8.0 27.8 41.6#



#70
 Phenanthrene
 Concen: 4.66 ng
 RT: 17.63 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF077113.D
 Acq: 28 Jan 2015 21:31

Tgt Ion:178 Resp: 30096
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.1 22.7
 179 19.5 12.7 19.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.10 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

Instrument :

BNA_F

ClientSampled :

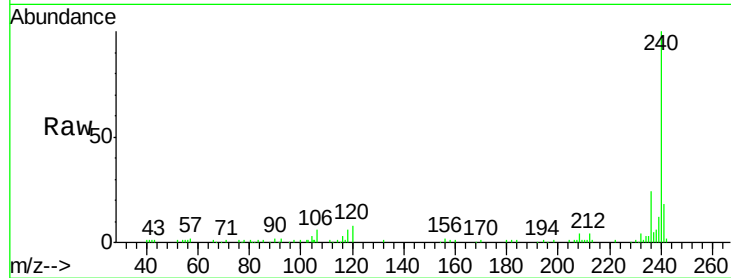
Tot Ion:240 Resp: 101219

Ion Ratio Lower Upper

240 100

120 8.4 10.4 15.6#

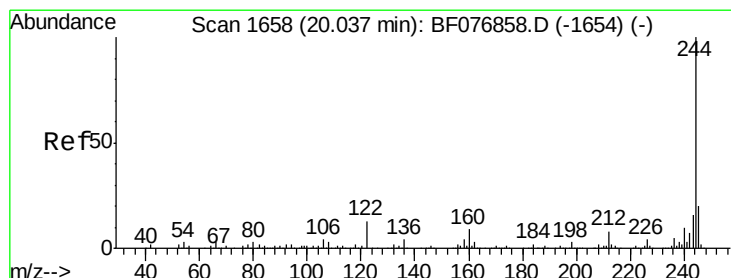
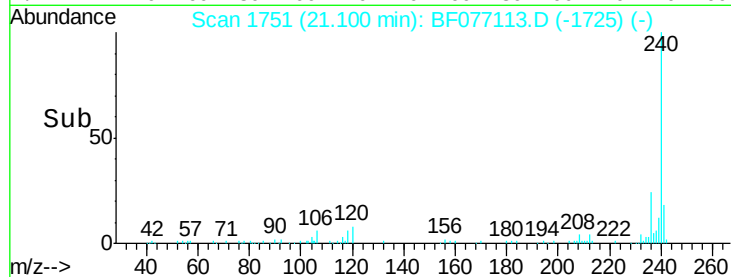
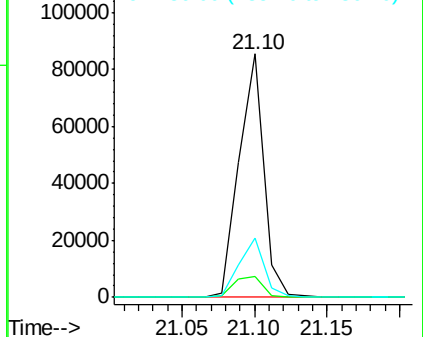
236 24.4 20.2 30.2



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: 1.08 ng

RT: 19.83 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF077113.D

Acq: 28 Jan 2015 21:31

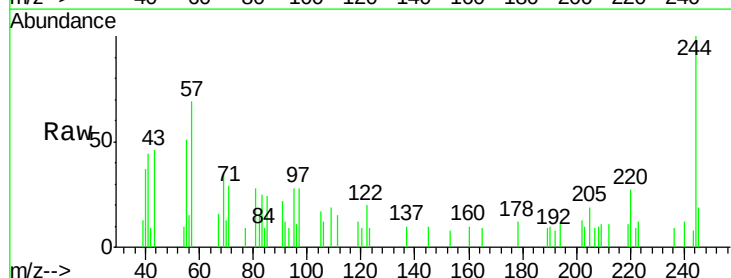
Tgt Ion:244 Resp: 4737

Ion Ratio Lower Upper

244 100

212 10.6 6.3 9.5#

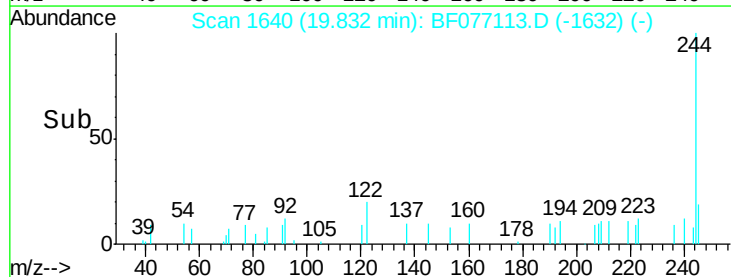
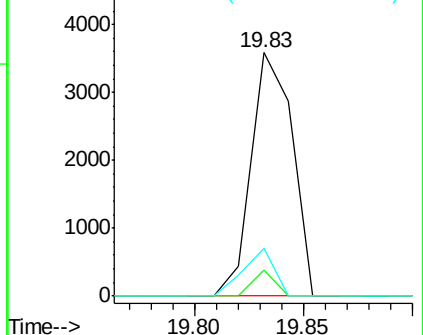
122 19.6 10.1 15.1#

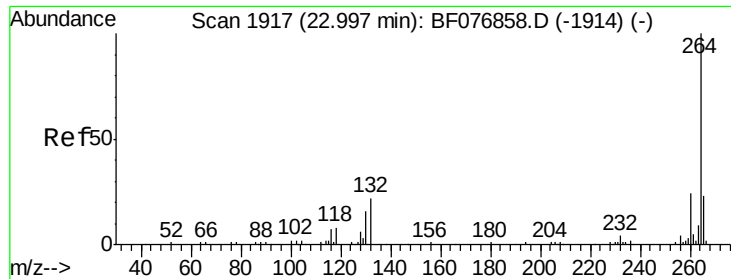


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



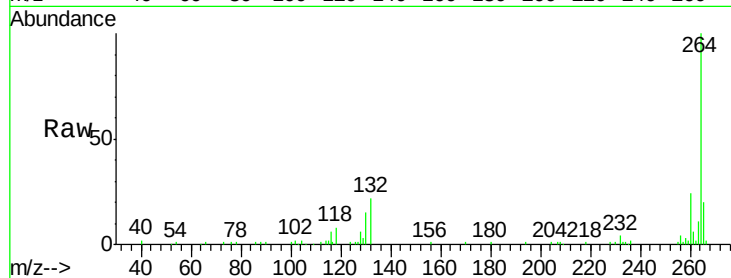


#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.72 min Scan# 1893
Delta R.T. -0.02 min
Lab File: BF077113.D
Acq: 28 Jan 2015 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 93806

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	20.3	18.1	27.1



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

