

Data Path : Z:\HPCHEM1\BNA F\Data\BF012615\
 Data File : BF077096.D
 Acq On : 27 Jan 2015 21:38
 Operator : TP/IZ
 Sample : G1138-08
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 04:50:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 04:24:51 2015
 Response via : Initial Calibration

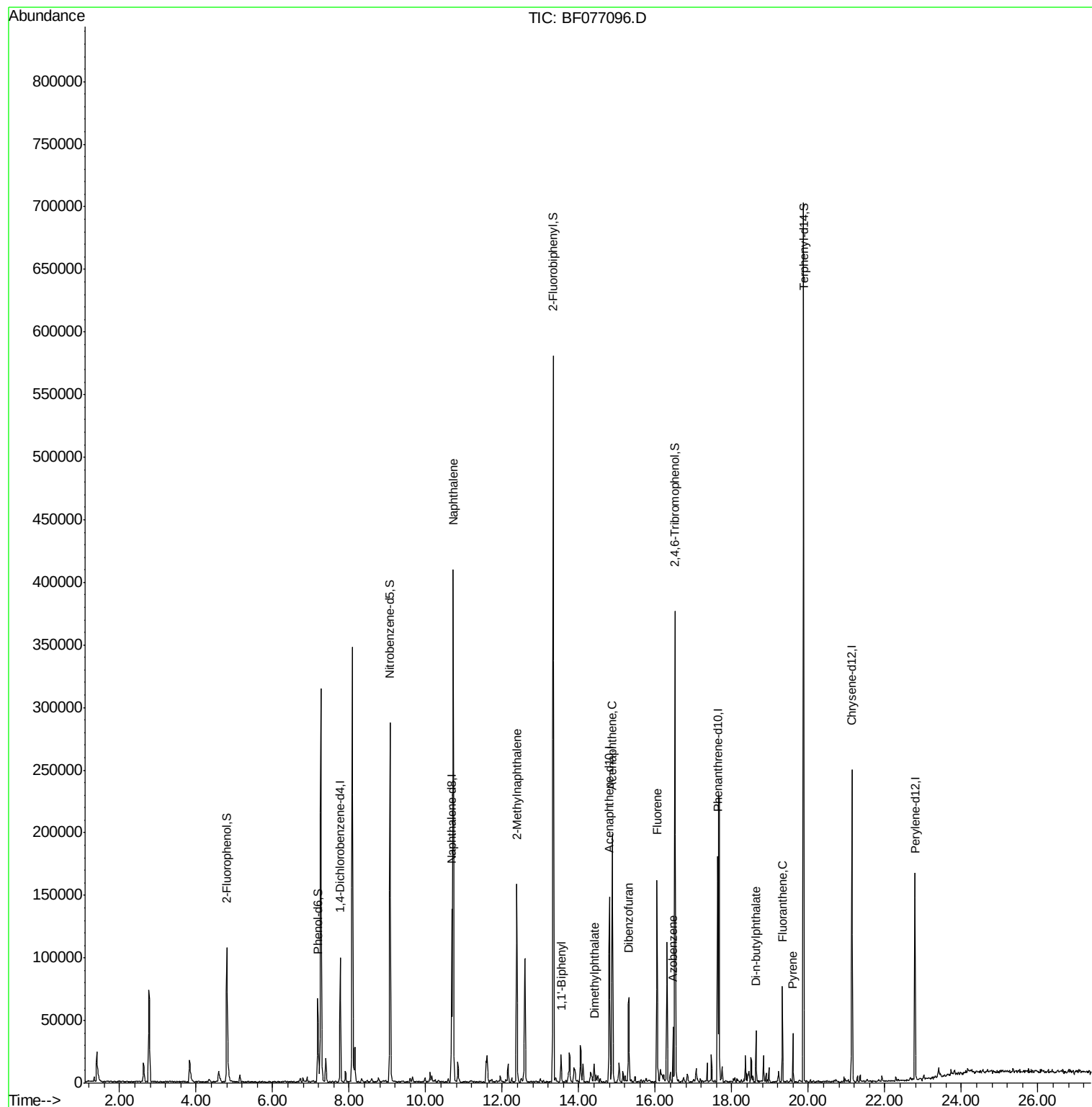
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	26899	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	114229	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	53591	20.00	ng	0.00
63) Phenanthrene-d10	17.64	188	103189	20.00	ng	0.00
75) Chrysene-d12	21.13	240	100580	20.00	ng	0.00
86) Perylene-d12	22.79	264	92426	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.80	112	65383	39.96	ng	0.00
7) Phenol-d6	7.18	99	46354	22.46	ng	0.00
23) Nitrobenzene-d5	9.06	82	148386	71.97	ng	0.00
41) 2,4,6-Tribromophenol	16.52	330	52222	120.05	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	305701	86.81	ng	0.00
78) Terphenyl-d14	19.88	244	283187	64.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.90	77	321	Below Cal		Qvalue # 1
31) Naphthalene	10.72	128	302692	51.47	ng	99
37) 2-Methylnaphthalene	12.38	142	75271	18.74	ng	94
45) 1,1'-Biphenyl	13.53	154	13703	3.45	ng	98
49) Dimethylphthalate	14.40	163	13805	3.63	ng	# 96
51) Acenaphthene	14.87	154	77338	24.72	ng	96
54) Dibenzofuran	15.31	168	54048	11.86	ng	96
57) Fluorene	16.05	166	66018	17.10	ng	97
62) Azobenzene	16.46	77	14736	3.68	ng	# 1
73) Di-n-butylphthalate	18.63	149	23560	3.34	ng	99
74) Fluoranthene	19.32	202	37086	5.62	ng	99
77) Pyrene	19.60	202	19478	2.83	ng	# 94

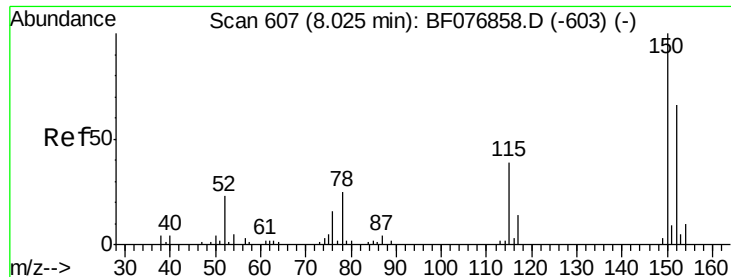
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 28 04:24:51 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 584

Delta R.T. 0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

Instrument :

BNA_F

ClientSampleId :

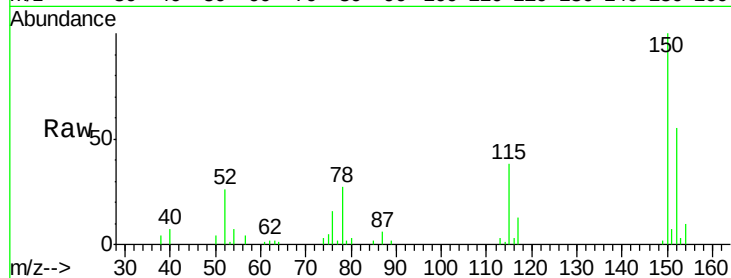
Tot Ion:152 Resp: 26899

Ion Ratio Lower Upper

152 100

150 182.2 121.7 182.5

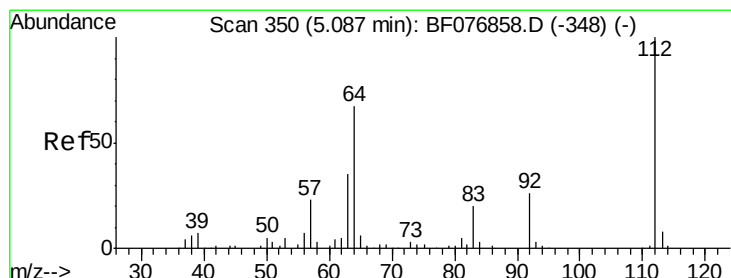
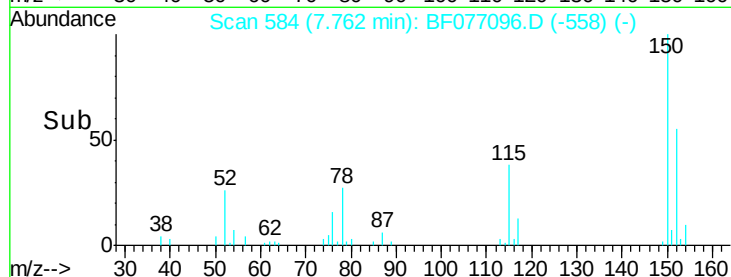
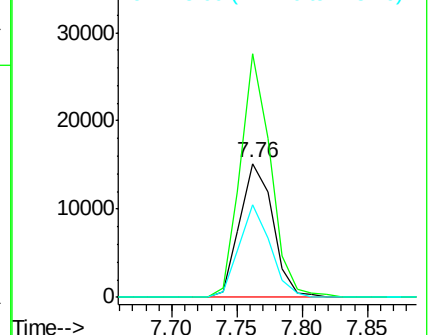
115 69.3 47.0 70.6



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: 39.96 ng

RT: 4.80 min Scan# 325

Delta R.T. 0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

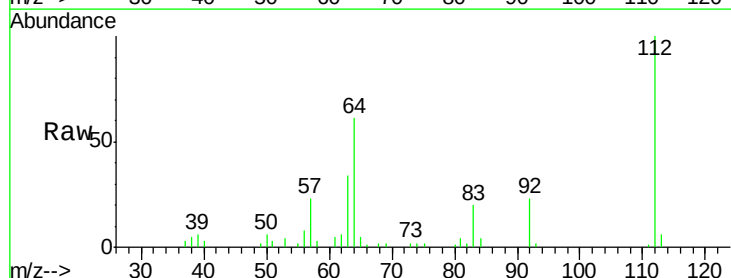
Tgt Ion:112 Resp: 65383

Ion Ratio Lower Upper

112 100

64 61.5 54.2 81.4

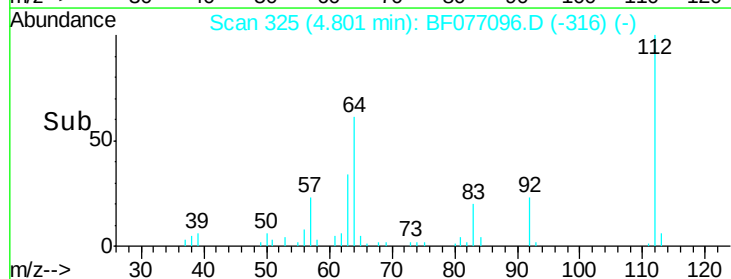
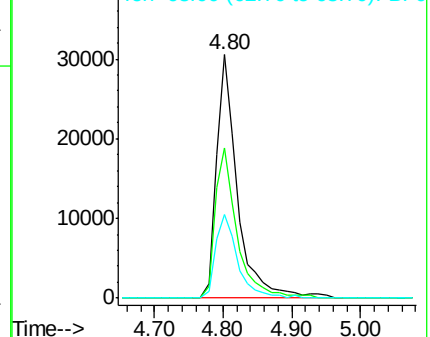
63 34.3 28.4 42.6

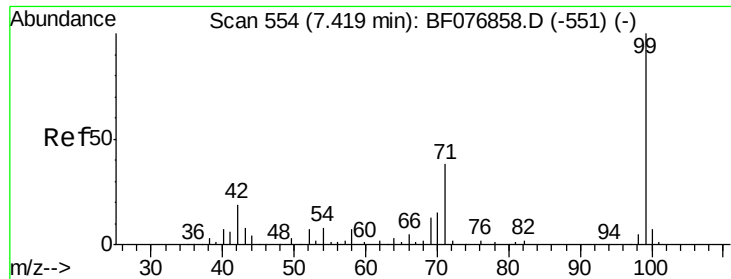


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.46 ng

RT: 7.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

Instrument :

BNA_F

ClientSampleId :

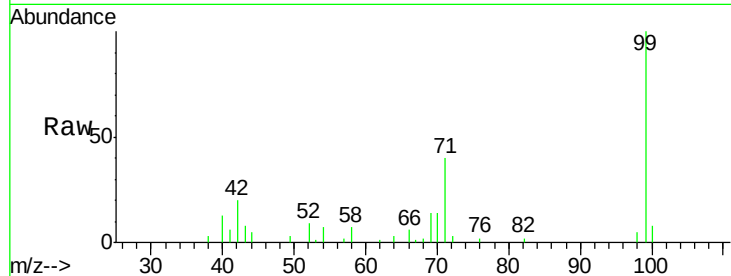
Tot Ion: 99 Resp: 46354

Ion Ratio Lower Upper

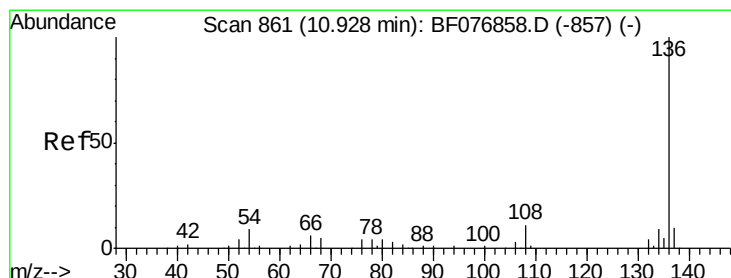
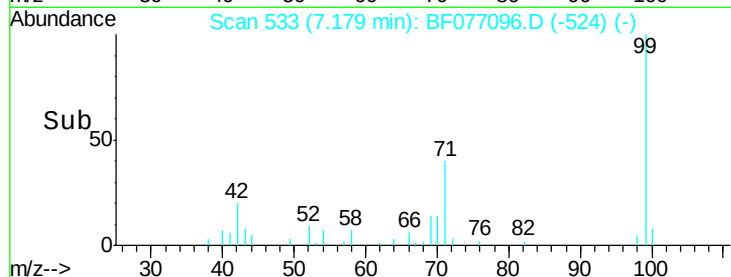
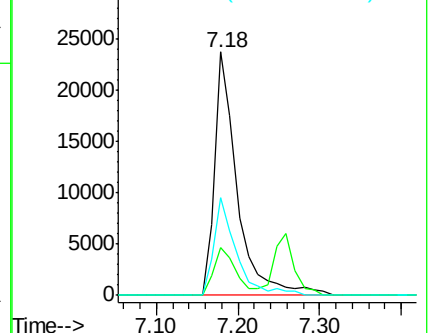
99 100

42 19.7 15.0 22.4

71 40.0 30.5 45.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

Tgt Ion: 136 Resp: 114229

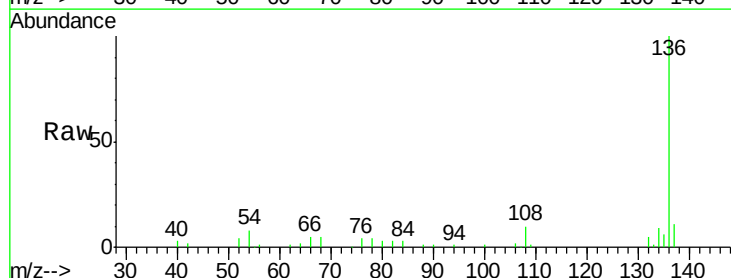
Ion Ratio Lower Upper

136 100

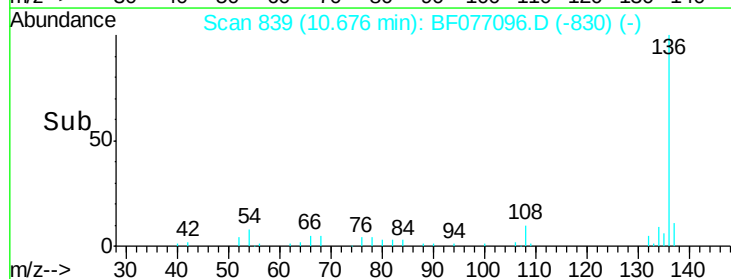
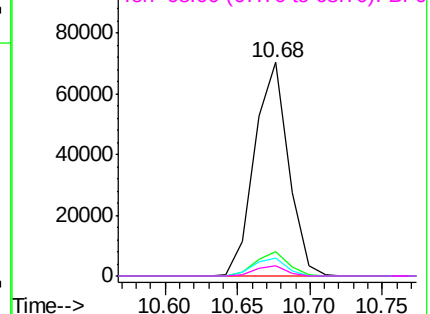
137 11.2 8.1 12.1

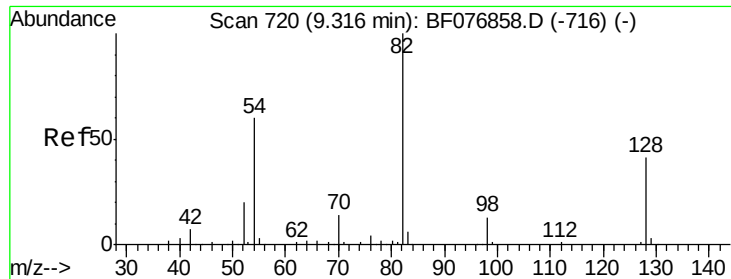
54 8.3 7.0 10.4

68 5.0 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

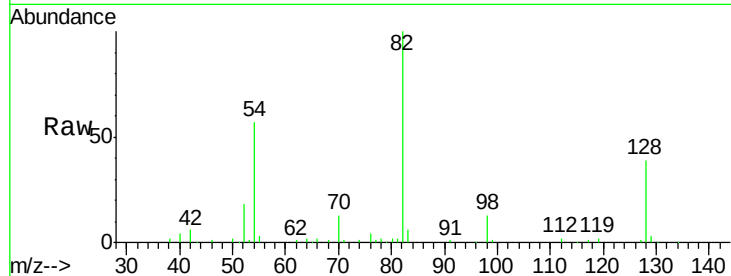




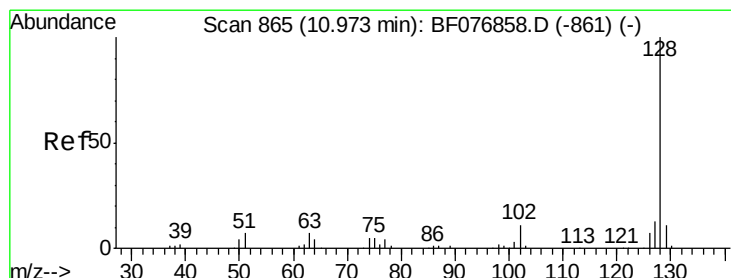
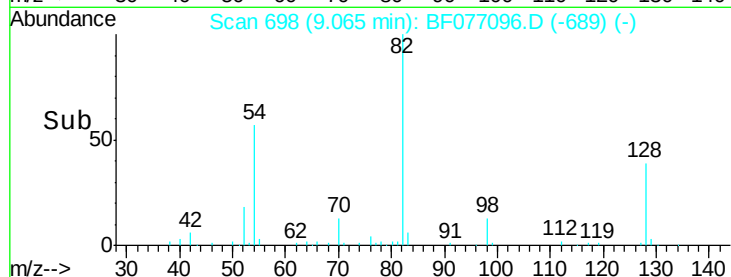
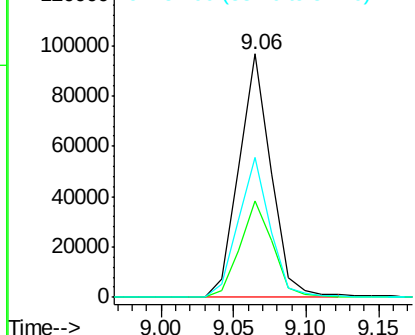
#23
 Nitrobenzene-d5
 Concen: 71.97 ng
 RT: 9.06 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 148386
 Ion Ratio Lower Upper
 82 100
 128 39.4 33.1 49.7
 54 57.3 48.3 72.5

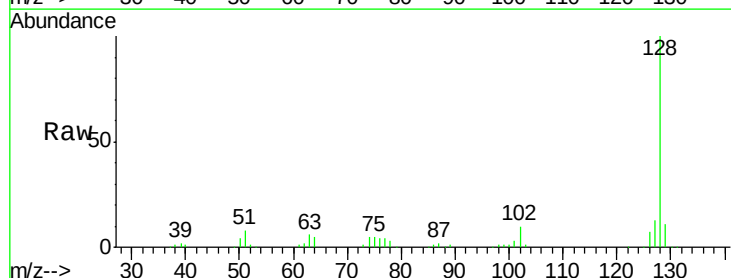


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

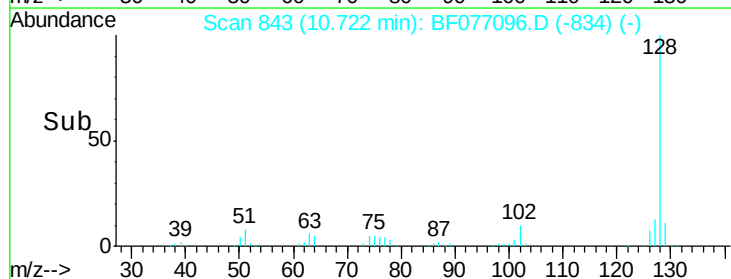
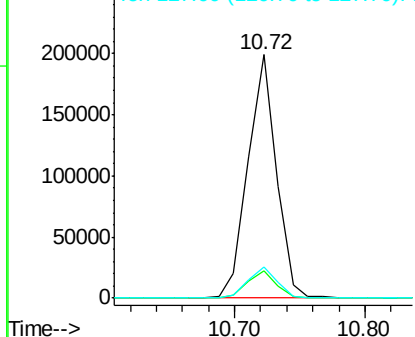


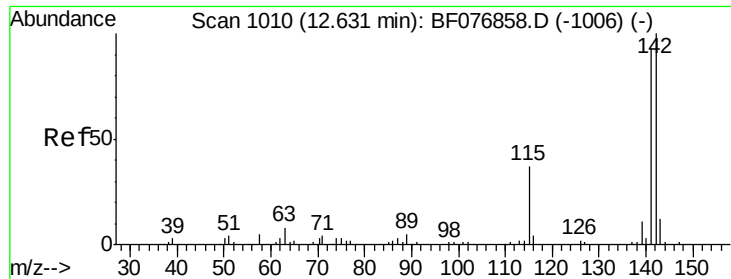
#31
 Naphthalene
 Concen: 51.47 ng
 RT: 10.72 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion: 128 Resp: 302692
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.0 13.6
 127 12.9 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

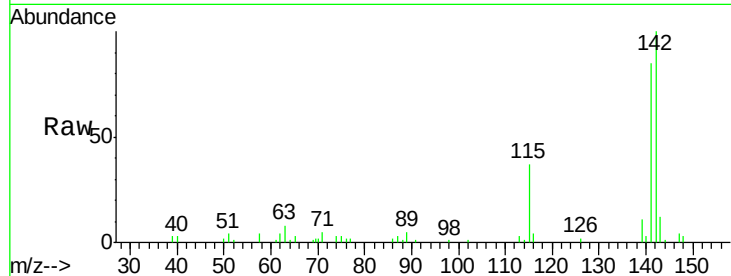




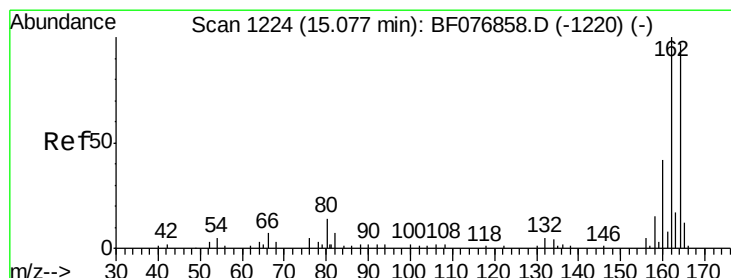
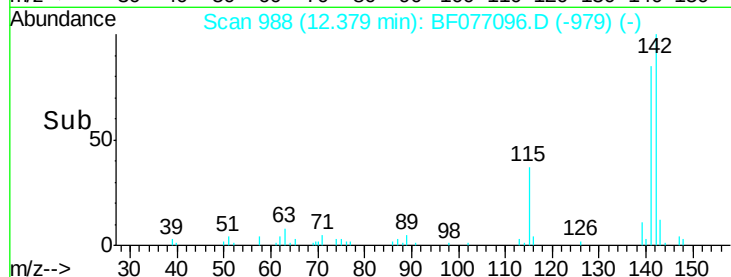
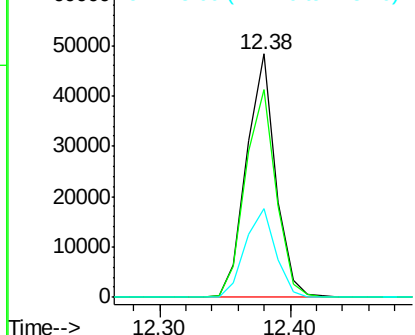
#37
2-Methylnaphthalene
Concen: 18.74 ng
RT: 12.38 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF077096.D
Acq: 27 Jan 2015 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 75271
Ion Ratio Lower Upper
142 100
141 85.2 74.5 111.7
115 36.6 29.7 44.5

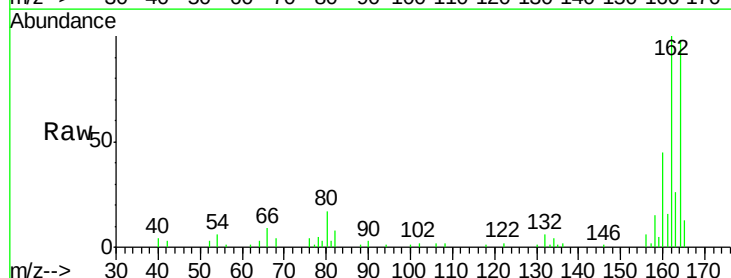


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

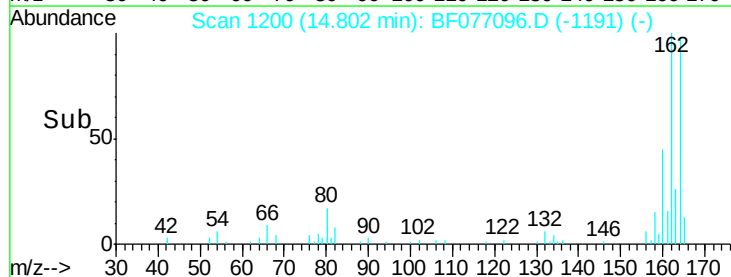
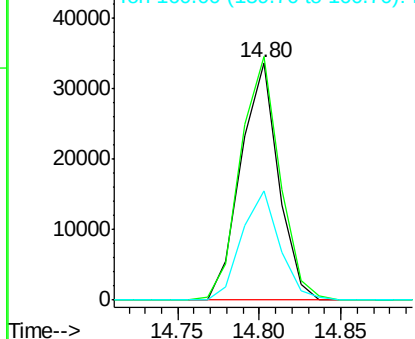


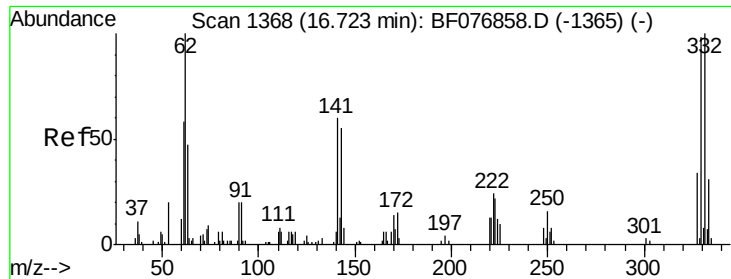
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF077096.D
Acq: 27 Jan 2015 21:38

Tgt Ion:164 Resp: 53591
Ion Ratio Lower Upper
164 100
162 102.5 82.4 123.6
160 45.8 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

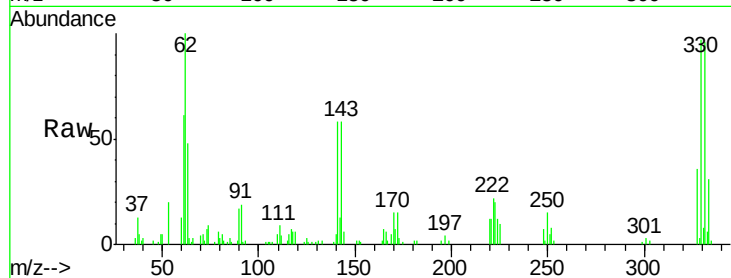




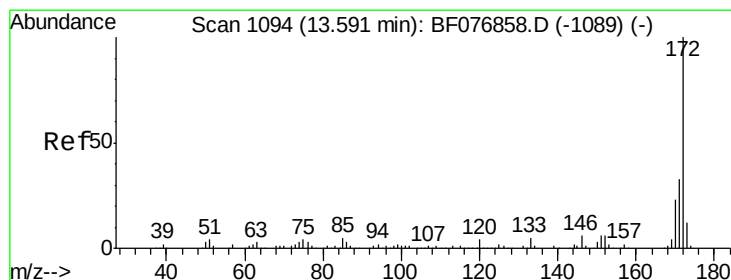
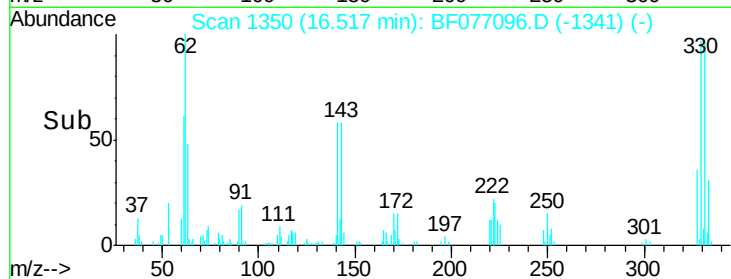
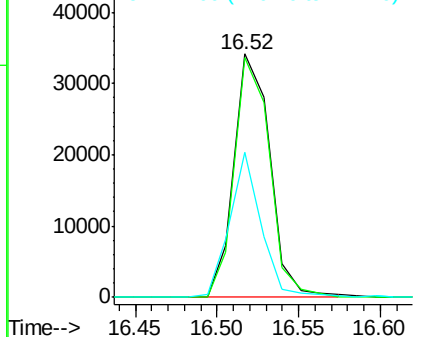
#41
2,4,6-Tribromophenol
Concen: 120.05 ng
RT: 16.52 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BF077096.D
Acq: 27 Jan 2015 21:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:330 Resp: 52222
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.6
141 52.4 38.5 57.7

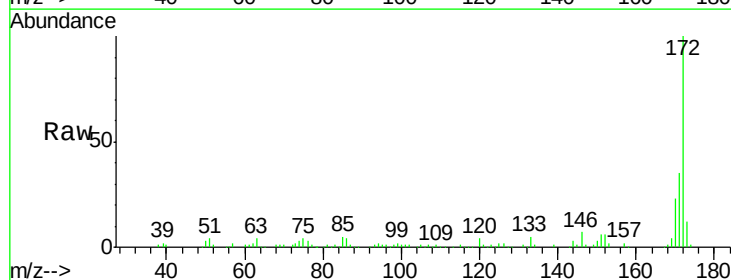


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

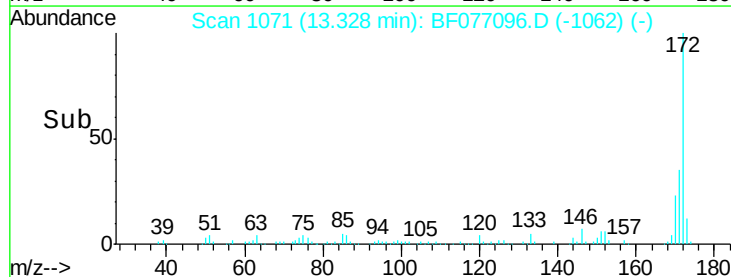
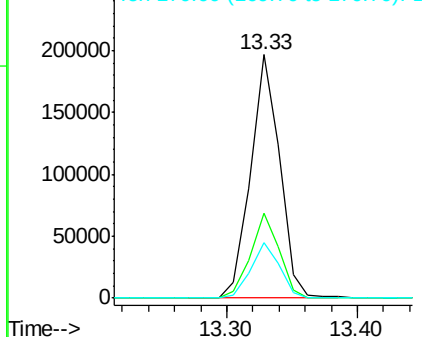


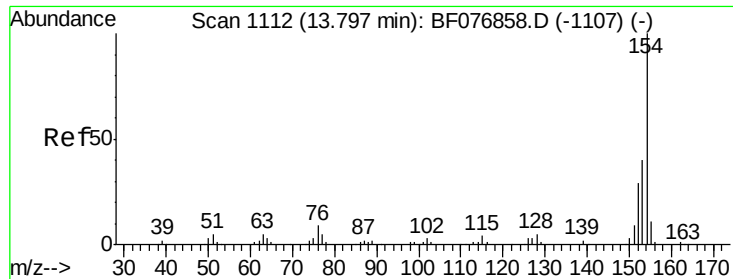
#44
2-Fluorobiphenyl
Concen: 86.81 ng
RT: 13.33 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BF077096.D
Acq: 27 Jan 2015 21:38

Tgt Ion:172 Resp: 305701
Ion Ratio Lower Upper
172 100
171 34.9 26.6 40.0
170 22.8 18.0 27.0



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

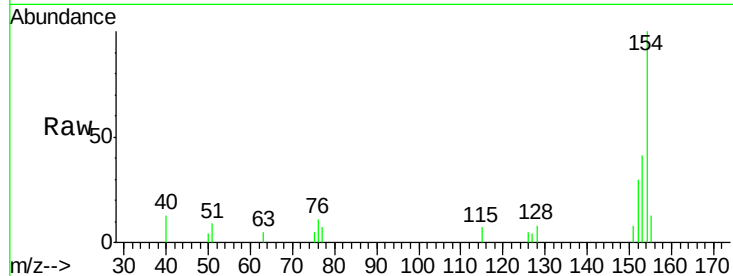




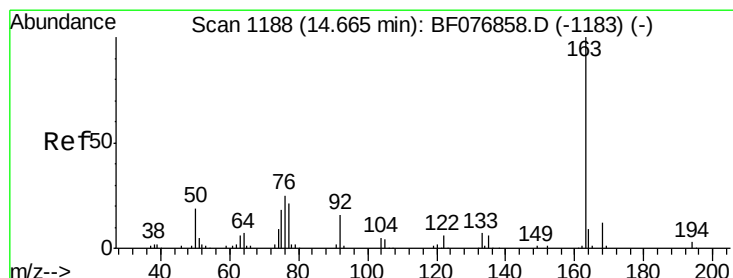
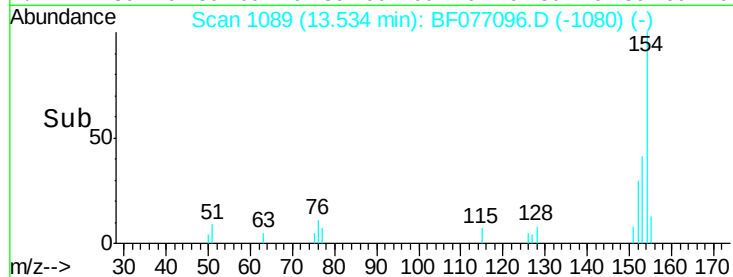
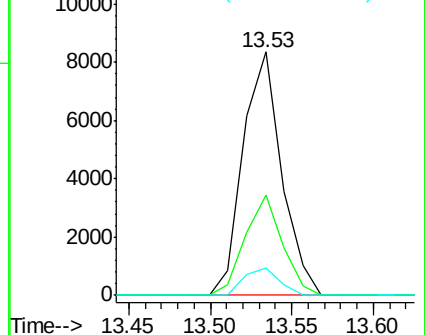
#45
 1,1'-Biphenyl
 Concen: 3.45 ng
 RT: 13.53 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 13703
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.2 60.2
 76 11.4 0.0 29.0

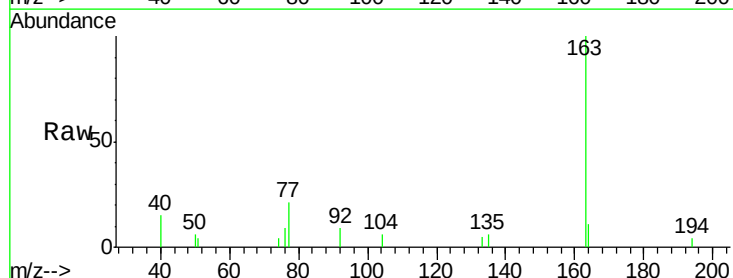


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

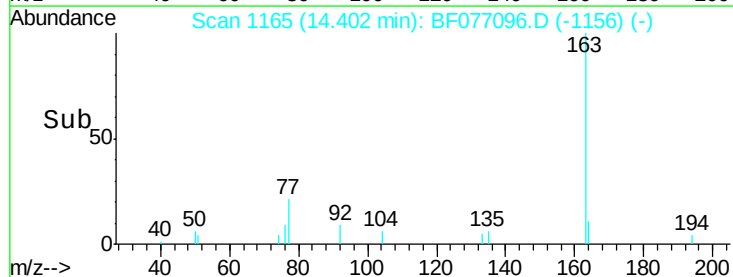
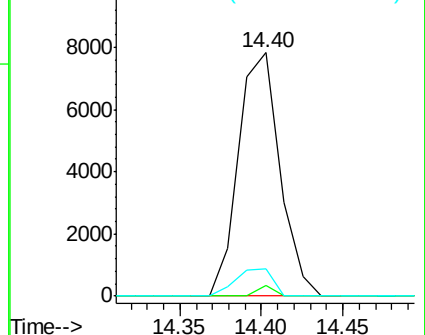


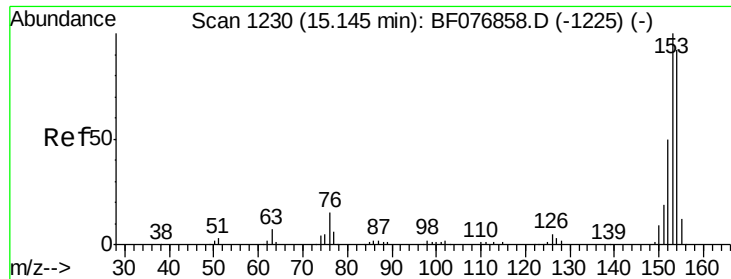
#49
 Dimethylphthalate
 Concen: 3.63 ng
 RT: 14.40 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion:163 Resp: 13805
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.6 4.0#
 164 11.0 7.5 11.3



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





#51

Acenaphthene

Concen: 24.72 ng

RT: 14.87 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

Instrument :

BNA_F

ClientSampleId :

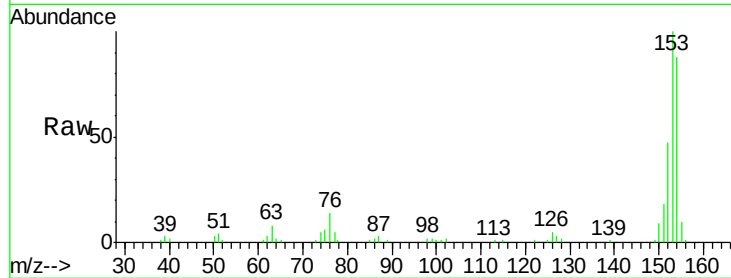
Tot Ion:154 Resp: 77338

Ion Ratio Lower Upper

154 100

153 114.1 87.0 130.6

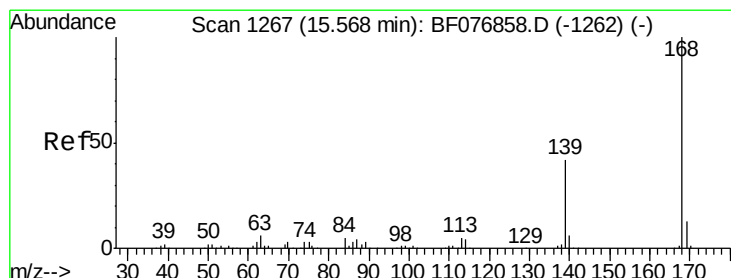
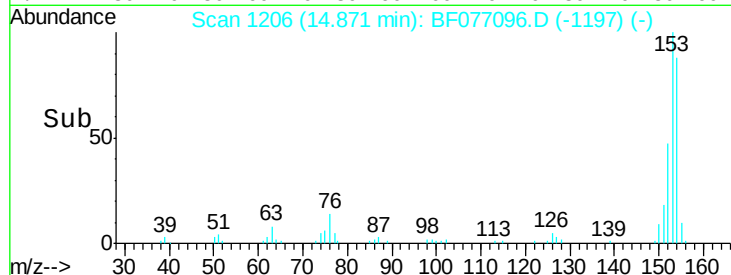
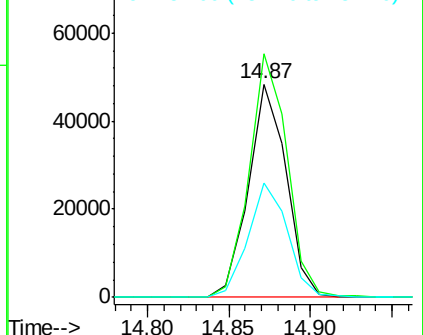
152 53.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 11.86 ng

RT: 15.31 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BF077096.D

Acq: 27 Jan 2015 21:38

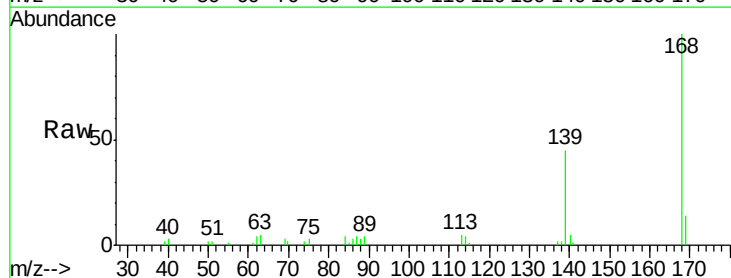
Tgt Ion:168 Resp: 54048

Ion Ratio Lower Upper

168 100

139 44.7 33.4 50.2

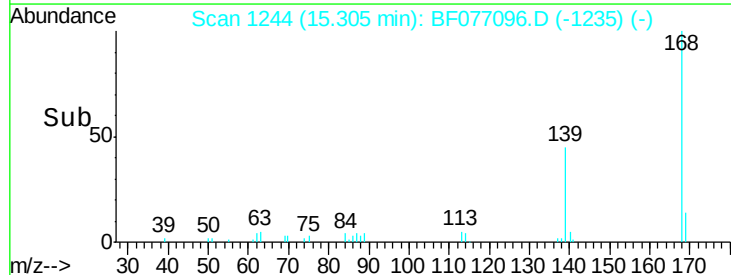
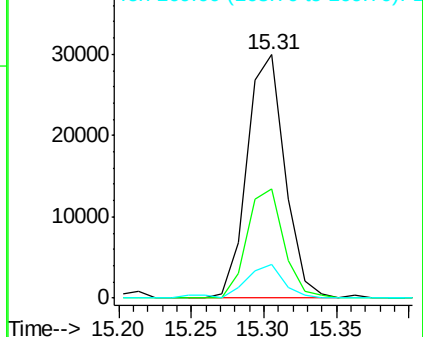
169 14.1 10.6 15.8

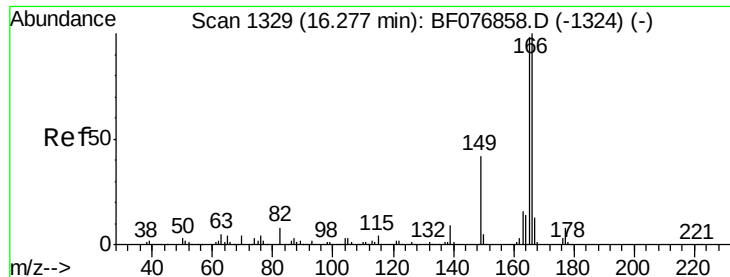


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

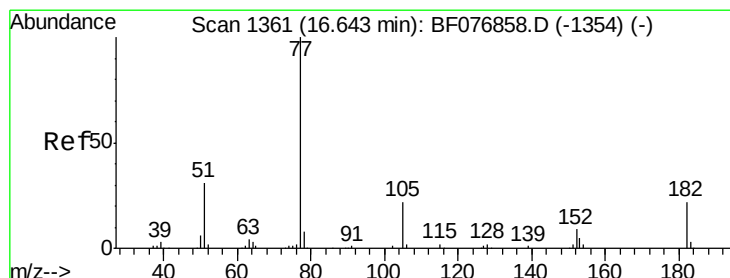
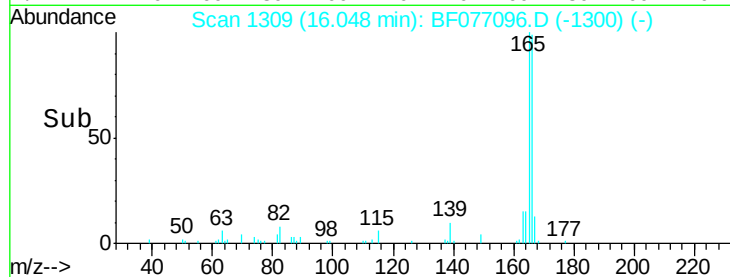
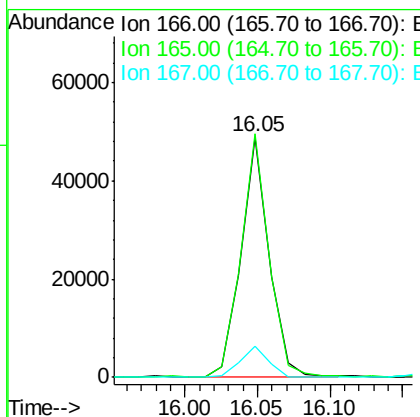
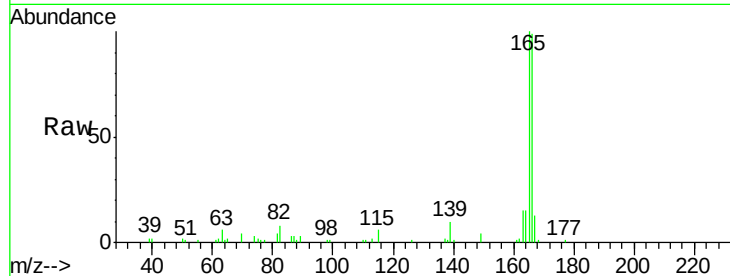




#57
 Fluorene
 Concen: 17.10 ng
 RT: 16.05 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

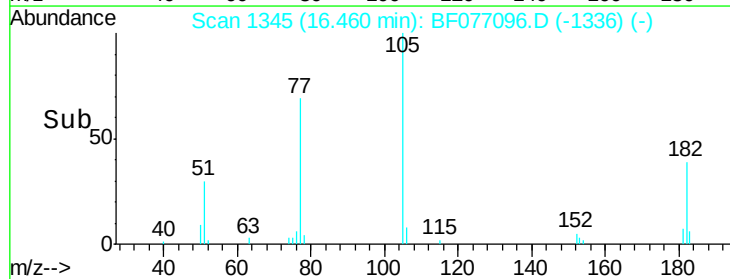
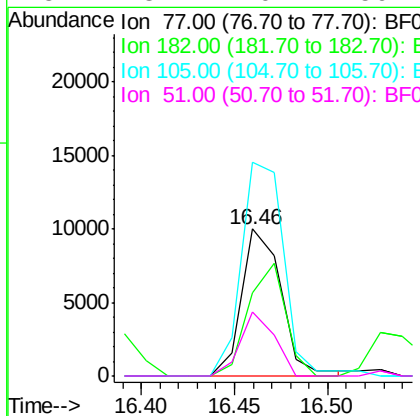
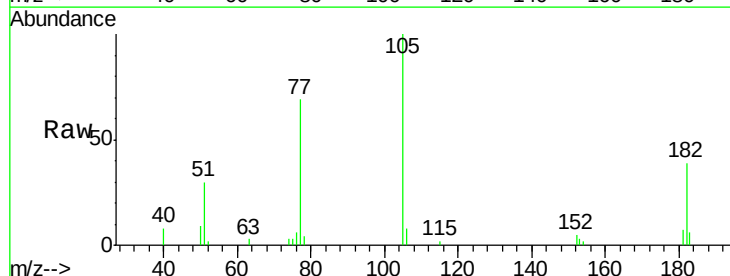
Instrument :
 BNA_F
 ClientSampleId :

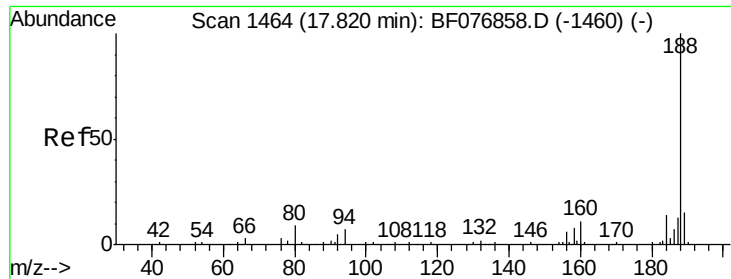
Tot Ion:166 Resp: 66018
 Ion Ratio Lower Upper
 166 100
 165 101.3 78.5 117.7
 167 13.2 10.4 15.6



#62
 Azobenzene
 Concen: 3.68 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion: 77 Resp: 14736
 Ion Ratio Lower Upper
 77 100
 182 56.9 2.0 42.0#
 105 145.1 2.3 42.3#
 51 43.1 10.7 50.7

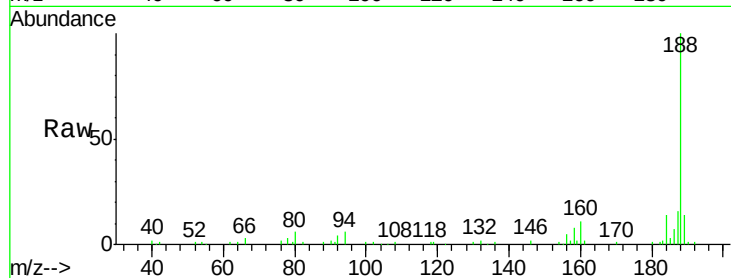




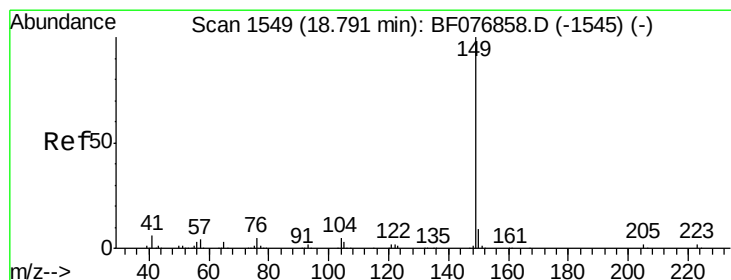
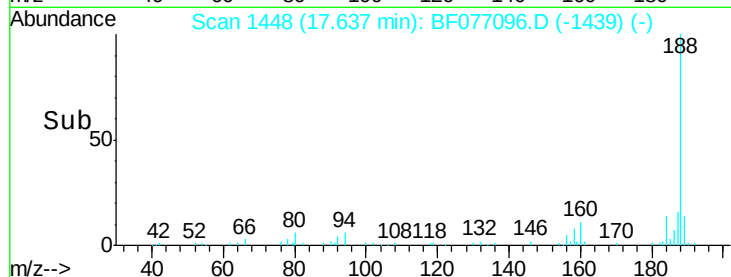
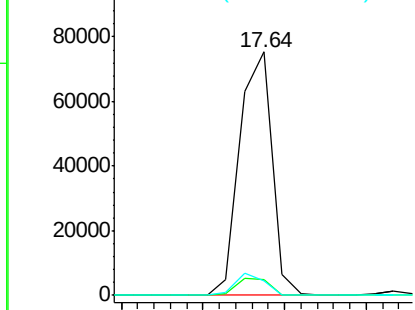
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.64 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 103189
 Ion Ratio Lower Upper
 188 100
 94 6.5 6.0 9.0
 80 5.9 6.9 10.3#

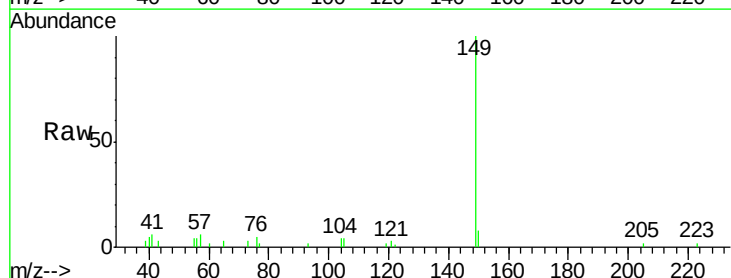


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

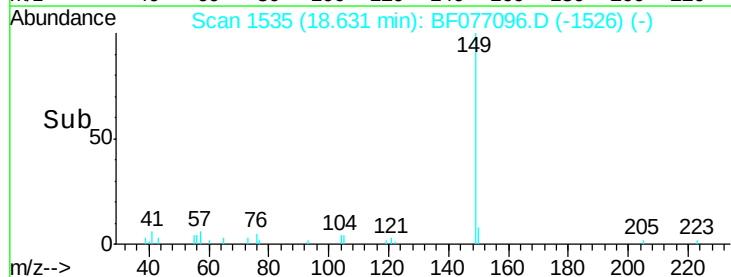
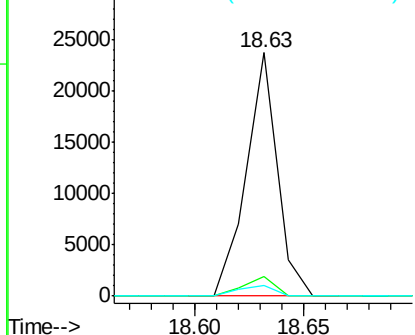


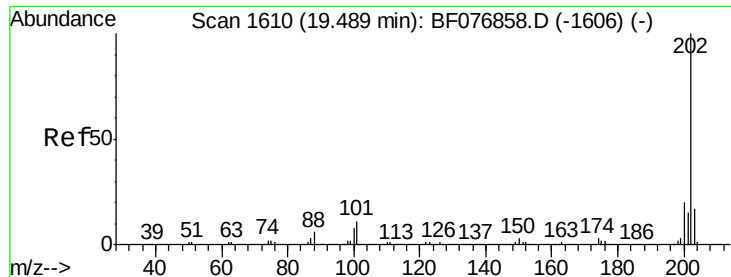
#73
 Di-n-butylphthalate
 Concen: 3.34 ng
 RT: 18.63 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion:149 Resp: 23560
 Ion Ratio Lower Upper
 149 100
 150 8.2 6.9 10.3
 104 4.1 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

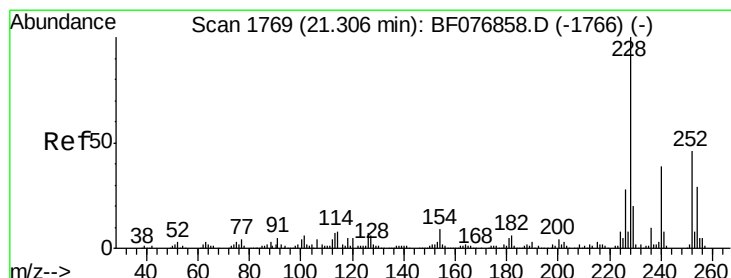
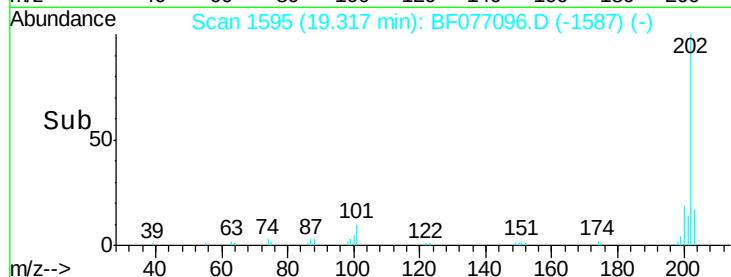
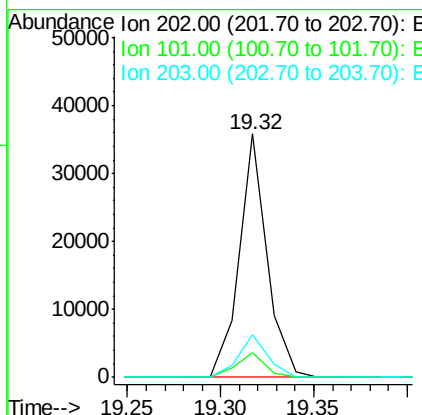
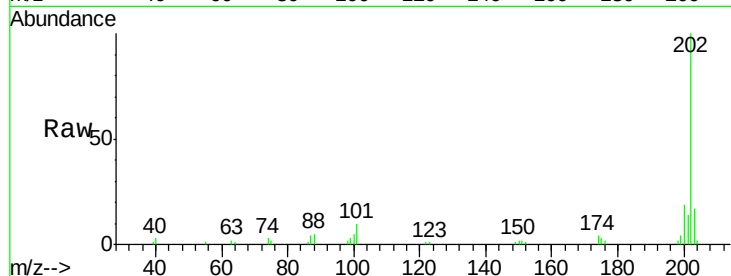




#74
 Fluoranthene
 Concen: 5.62 ng
 RT: 19.32 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

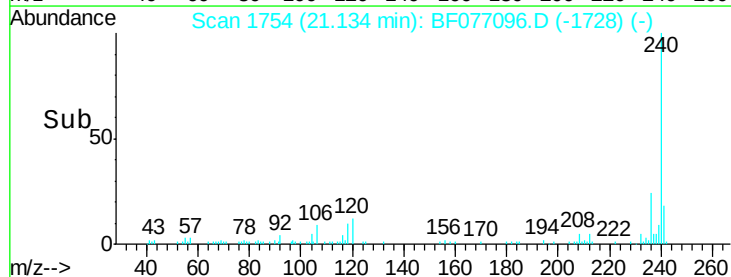
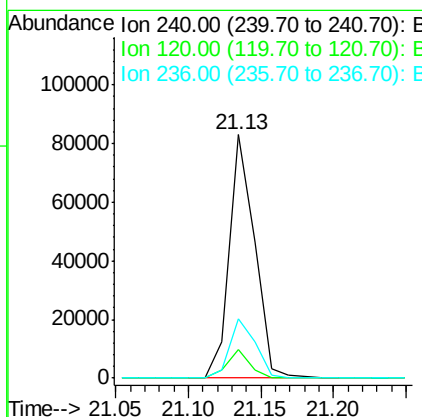
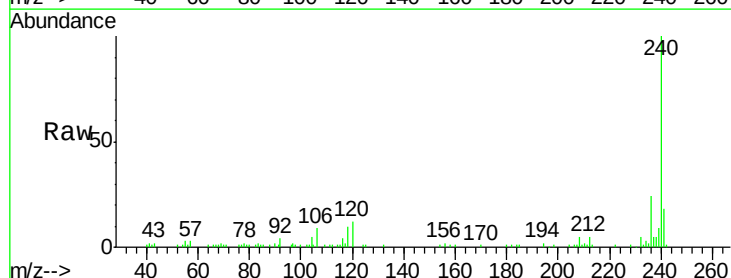
Instrument :
 BNA_F
 ClientSampleId :

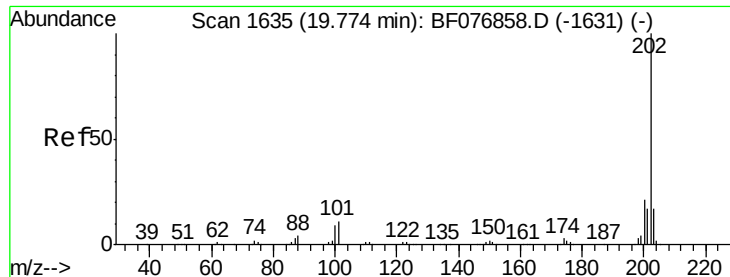
Tot Ion:202 Resp: 37086
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.7
 203 17.3 0.0 36.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.13 min Scan# 1754
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion:240 Resp: 100580
 Ion Ratio Lower Upper
 240 100
 120 11.9 10.4 15.6
 236 24.3 20.2 30.2

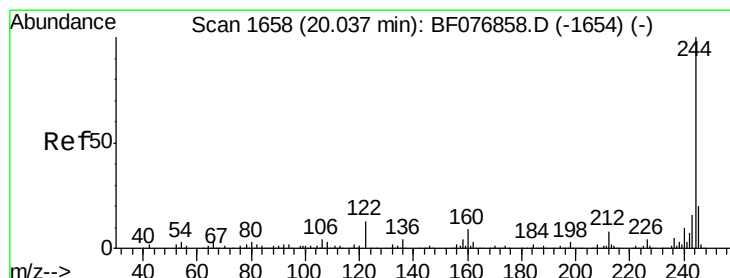
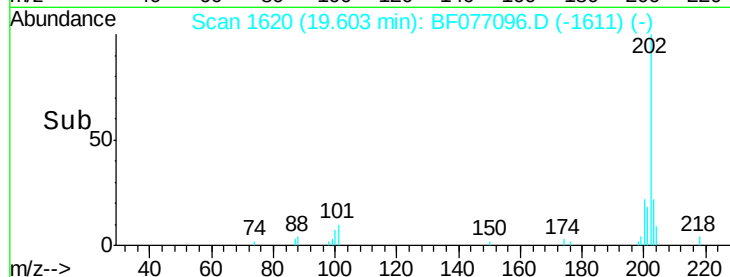
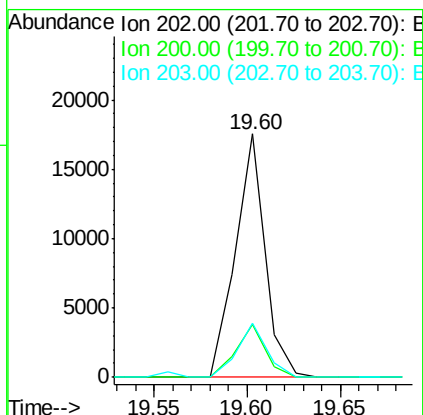
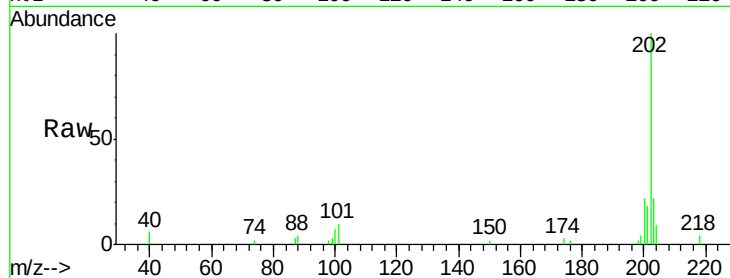




#77
 Pvrene
 Concen: 2.83 ng
 RT: 19.60 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

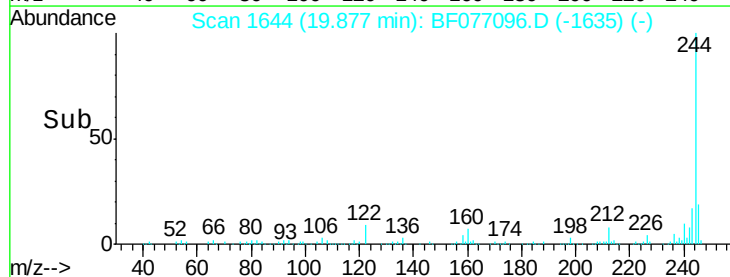
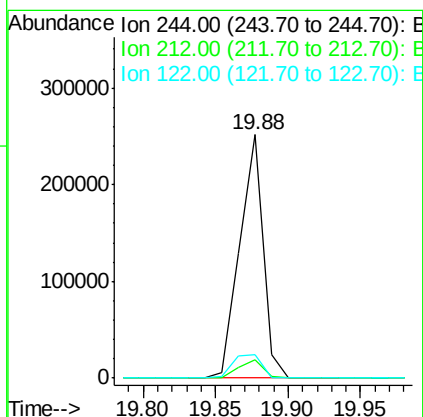
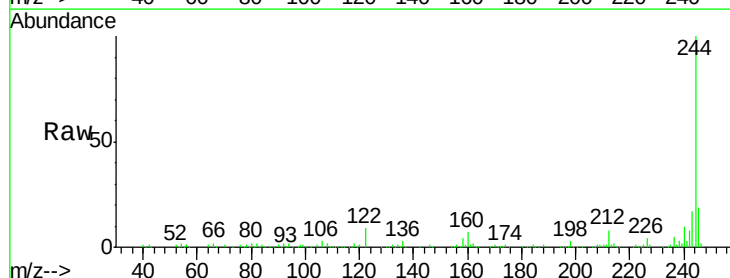
Instrument :
 BNA_F
 ClientSampleId :

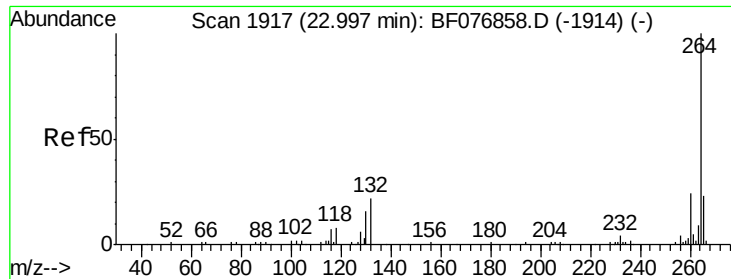
Tot Ion:202 Resp: 19478
 Ion Ratio Lower Upper
 202 100
 200 21.8 16.7 25.1
 203 22.2 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 64.82 ng
 RT: 19.88 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Tgt Ion:244 Resp: 283187
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 9.5 10.1 15.1#

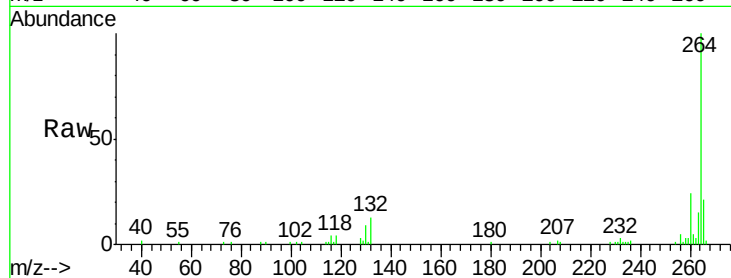




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 22.79 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: BF077096.D
 Acq: 27 Jan 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 92426
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.0 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

