

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
 Data File : BF077631.D
 Acq On : 6 Mar 2015 19:37
 Operator : TP/IZ
 Sample : G1442-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

Quant Time: Mar 09 12:34:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 22:10:32 2015
 Response via : Initial Calibration

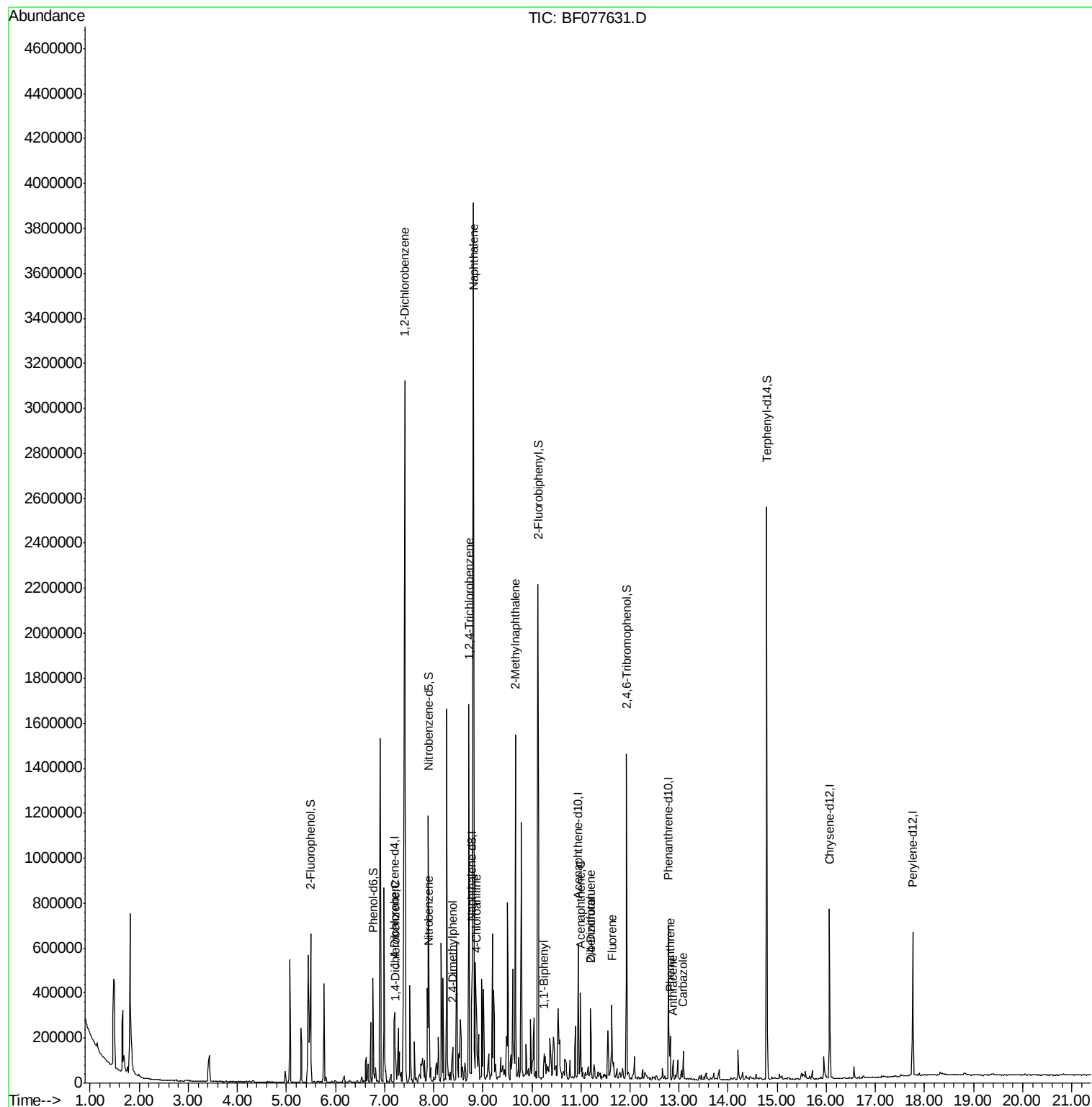
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.20	152	68783	20.00	ng	0.00
21) Naphthalene-d8	8.78	136	276584	20.00	ng	0.00
38) Acenaphthene-d10	10.95	164	135585	20.00	ng	0.00
63) Phenanthrene-d10	12.79	188	265893	20.00	ng	0.00
75) Chrysene-d12	16.07	240	283777	20.00	ng	0.00
86) Perylene-d12	17.76	264	274436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	207144	50.28	ng	0.00
7) Phenol-d6	6.76	99	154299	29.13	ng	0.00
23) Nitrobenzene-d5	7.89	82	381065	85.68	ng	0.00
41) 2,4,6-Tribromophenol	11.93	330	165536	126.80	ng	0.00
44) 2-Fluorobiphenyl	10.13	172	810939	93.26	ng	0.00
78) Terphenyl-d14	14.78	244	912541	75.18	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.22	146	44332	8.23	ng	95
14) 1,2-Dichlorobenzene	7.41	146	768042	149.96	ng	98
24) Nitrobenzene	7.91	77	10455	2.23	ng	# 77
27) 2,4-Dimethylphenol	8.39	122	9276	2.16	ng	93
30) 1,2,4-Trichlorobenzene	8.71	180	340682	76.93	ng	99
31) Naphthalene	8.81	128	1722757	124.55	ng	98
33) 4-Chloroaniline	8.86	127	197211	32.07	ng	98
37) 2-Methylnaphthalene	9.67	142	410496	41.79	ng	98
45) 1,1'-Biphenyl	10.25	154	32689	3.18	ng	98
51) Acenaphthene	10.99	154	88396	11.62	ng	99
54) Dibenzofuran	11.20	168	44080	3.75	ng	98
56) 2,4-Dinitrotoluene	11.20	165	39359	15.24	ng	# 73
57) Fluorene	11.63	166	100138	10.66	ng	98
70) Phenanthrene	12.82	178	86277	5.60	ng	100
71) Anthracene	12.88	178	33402	2.18	ng	97
72) Carbazole	13.09	167	58468	4.02	ng	97

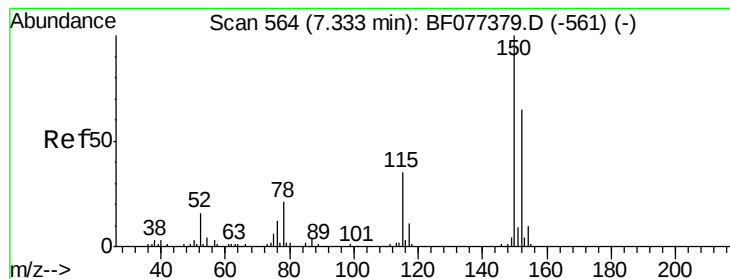
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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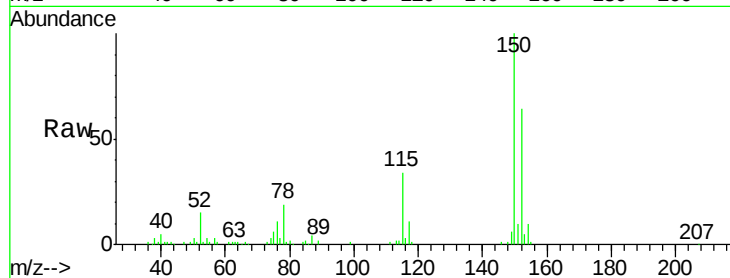


#1

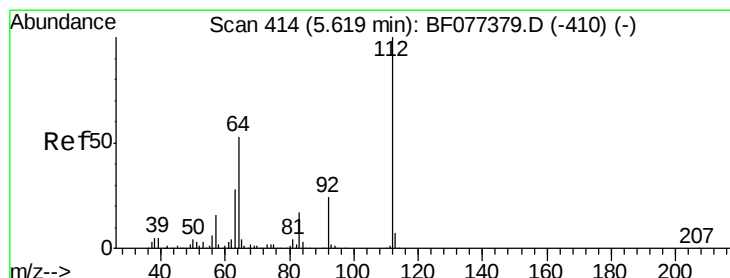
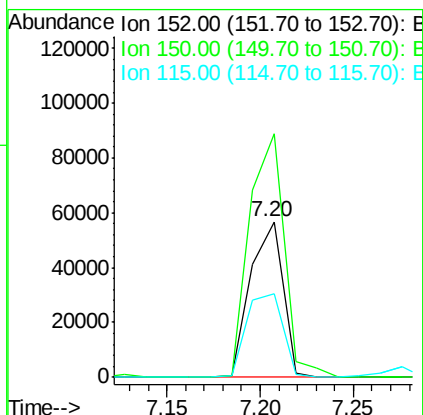
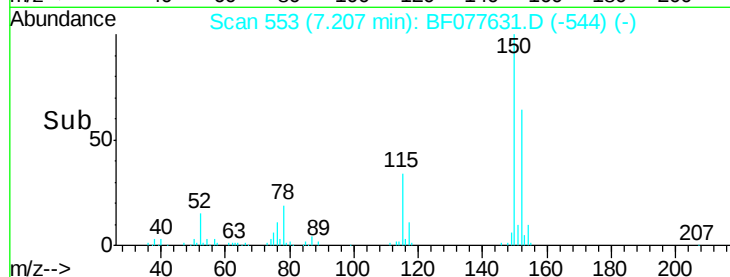
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515

Tgt Ion:152 Resp: 68783
Ion Ratio Lower Upper
152 100
150 156.2 124.0 186.0
115 53.9 49.4 74.2



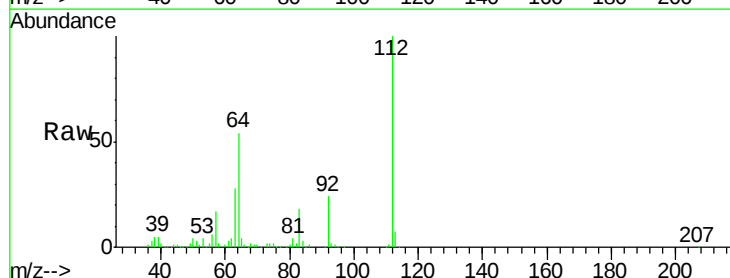
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



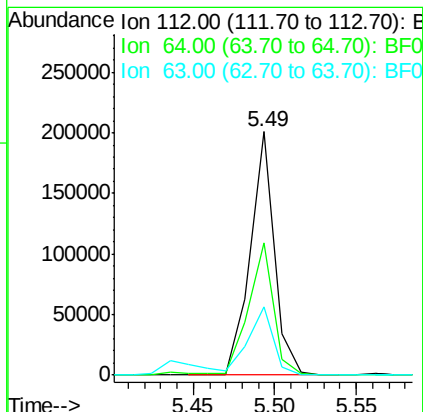
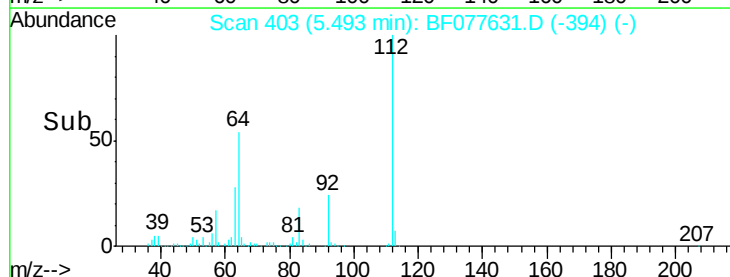
#5

2-Fluorophenol
Concen: 50.28 ng
RT: 5.49 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

Tgt Ion:112 Resp: 207144
Ion Ratio Lower Upper
112 100
64 54.2 48.5 72.7
63 28.0 25.0 37.4



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: 29.13 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515

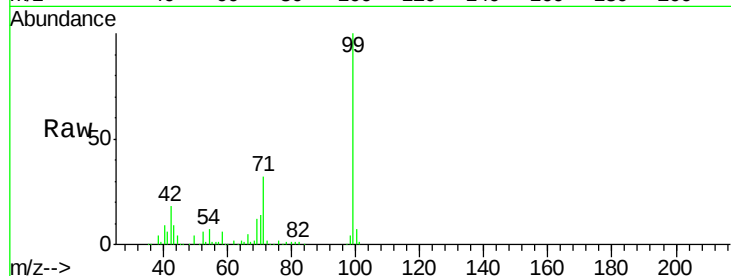
Tgt Ion: 99 Resp: 154299

Ion Ratio Lower Upper

99 100

42 18.2 16.2 24.4

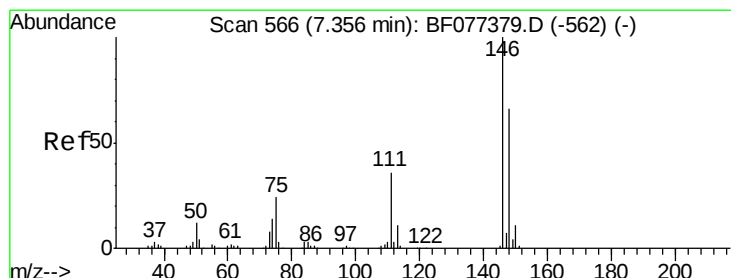
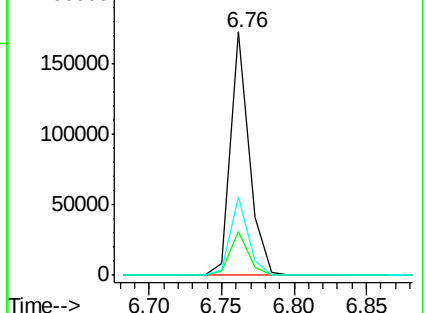
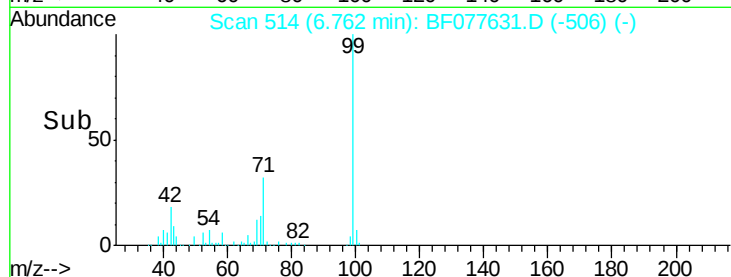
71 32.1 26.7 40.1



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



#13

1,4-Dichlorobenzene

Concen: 8.23 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

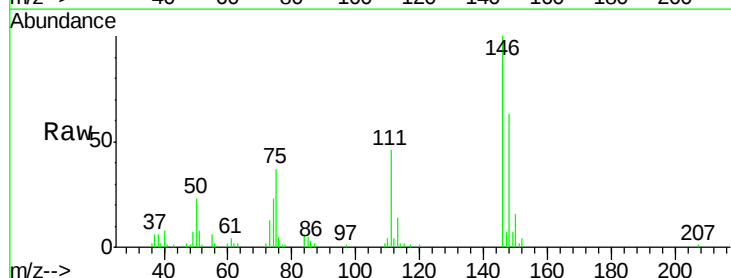
Tgt Ion: 146 Resp: 44332

Ion Ratio Lower Upper

146 100

148 63.4 52.0 78.0

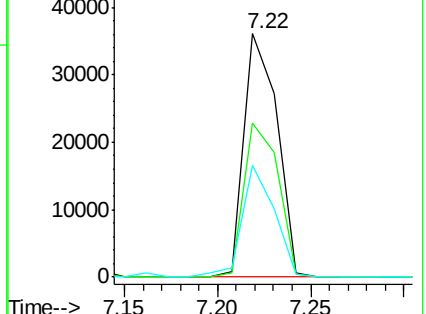
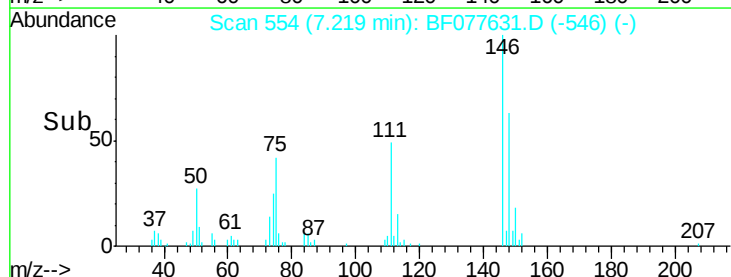
111 45.9 31.9 47.9

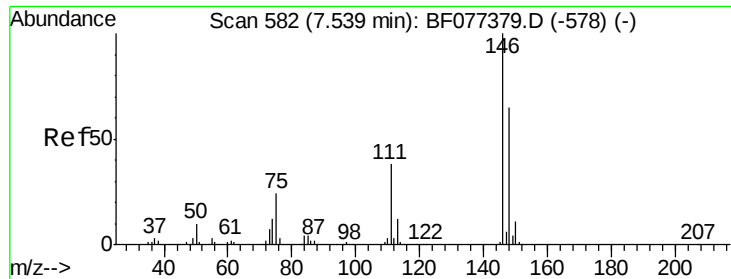


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 149.96 ng

RT: 7.41 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515

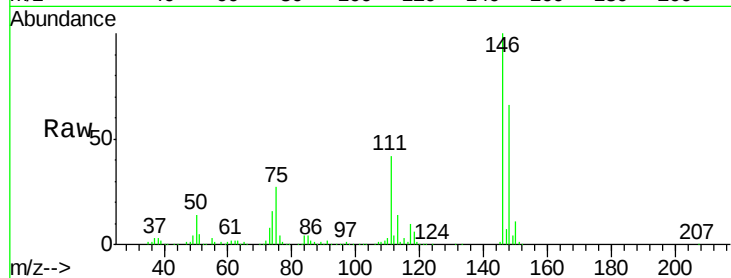
Tgt Ion:146 Resp: 768042

Ion Ratio Lower Upper

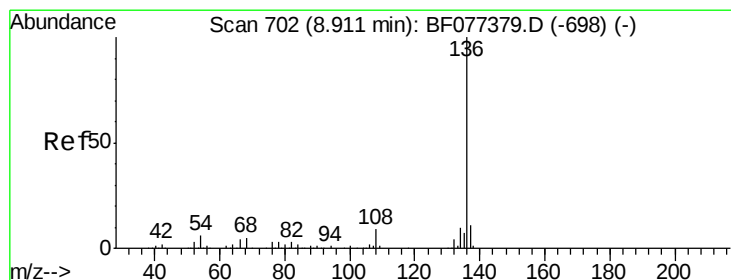
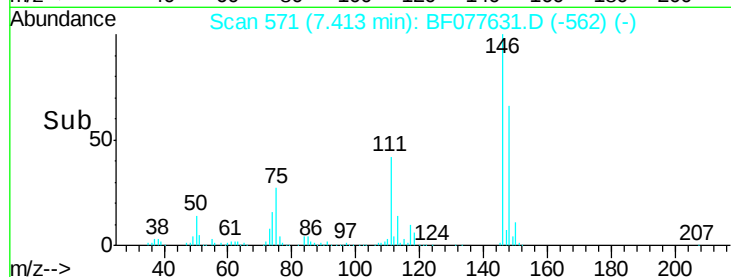
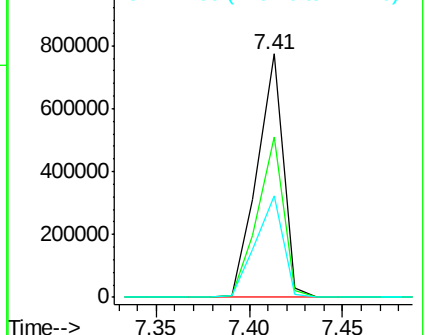
146 100

148 65.8 51.6 77.4

111 41.9 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.78 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Tgt Ion:136 Resp: 276584

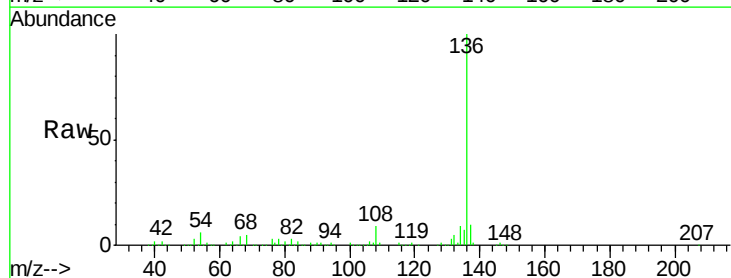
Ion Ratio Lower Upper

136 100

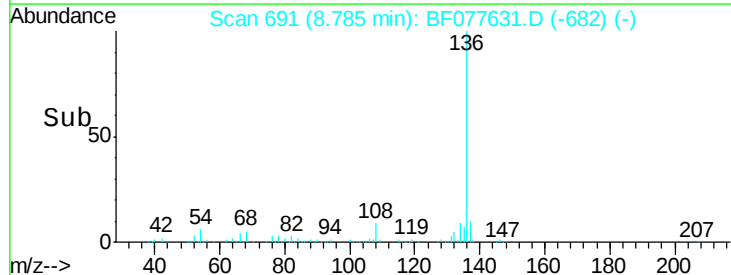
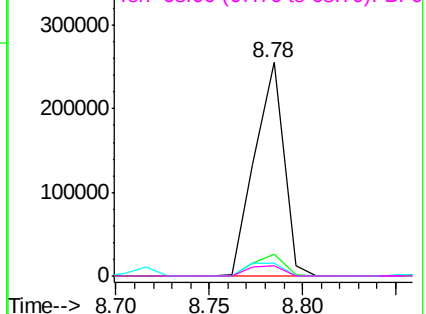
137 10.4 8.6 13.0

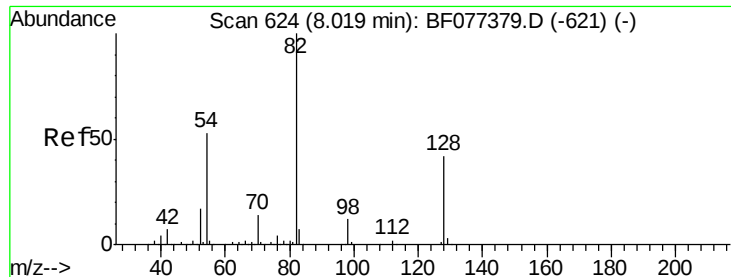
54 5.9 6.2 9.4#

68 5.0 5.0 7.6#



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

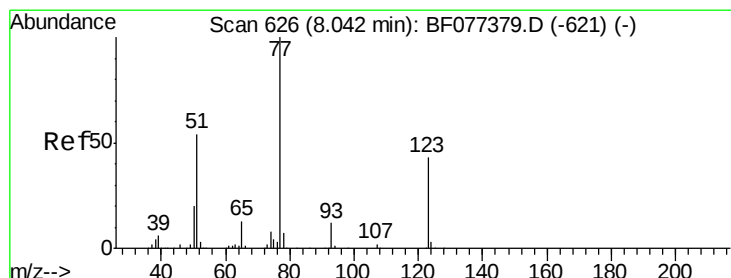
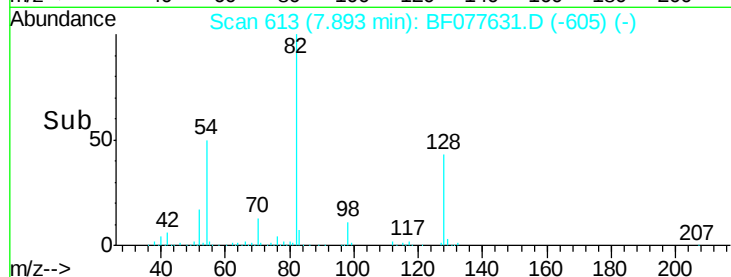
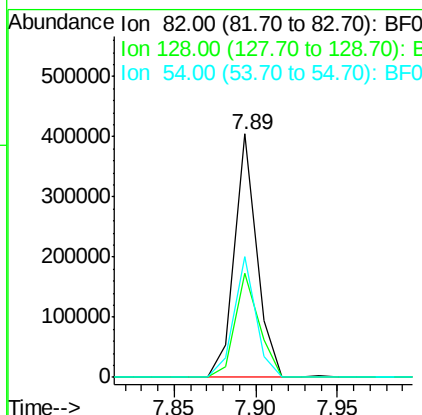
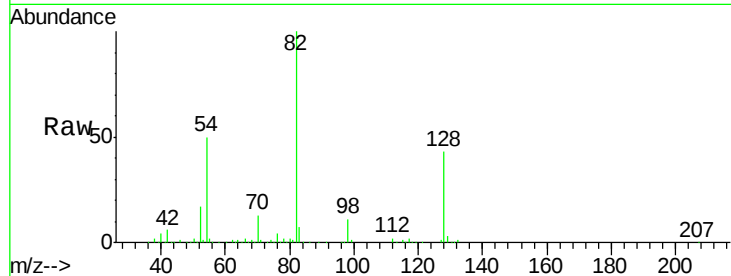




#23
 Nitrobenzene-d5
 Concen: 85.68 ng
 RT: 7.89 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

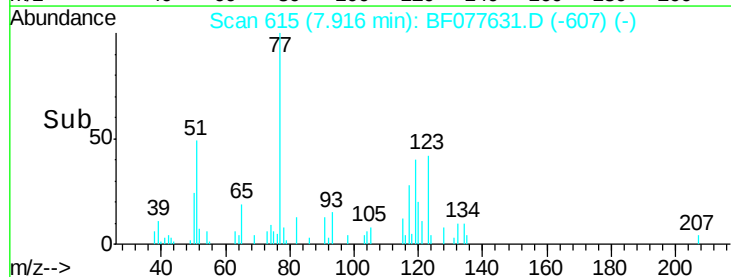
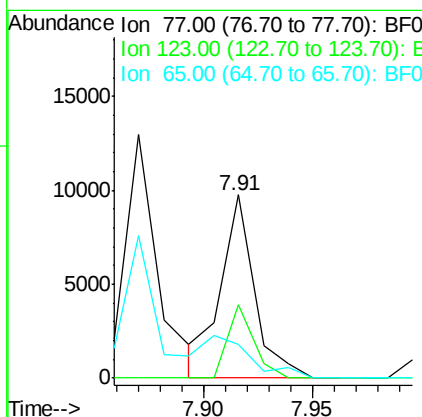
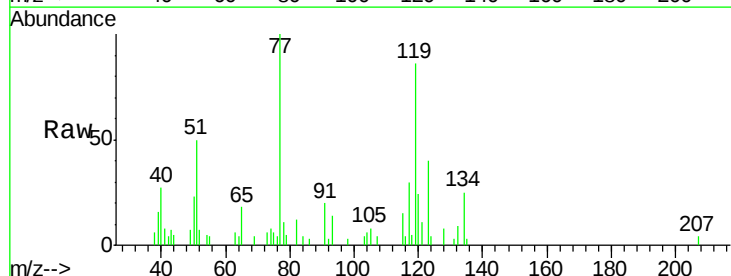
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

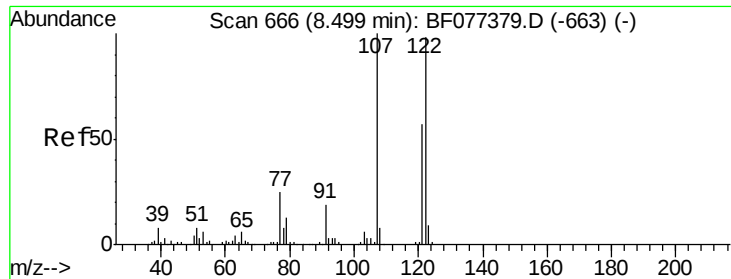
Tgt Ion: 82 Resp: 381065
 Ion Ratio Lower Upper
 82 100
 128 42.9 43.8 65.8#
 54 49.7 36.7 55.1



#24
 Nitrobenzene
 Concen: 2.23 ng
 RT: 7.91 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Tgt Ion: 77 Resp: 10455
 Ion Ratio Lower Upper
 77 100
 123 39.8 45.9 68.9#
 65 18.3 9.5 14.3#





#27

2,4-Dimethylphenol

Concen: 2.16 ng

RT: 8.39 min Scan# 656

Delta R.T. 0.01 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515

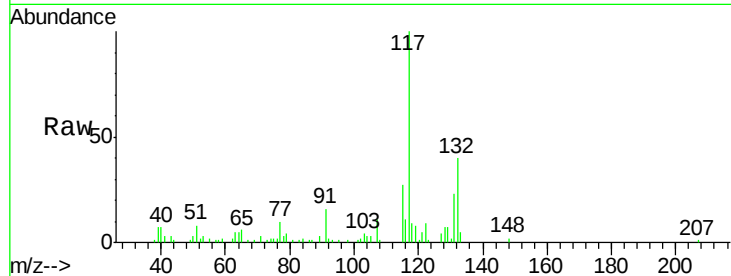
Tgt Ion:122 Resp: 9276

Ion Ratio Lower Upper

122 100

107 118.1 86.6 130.0

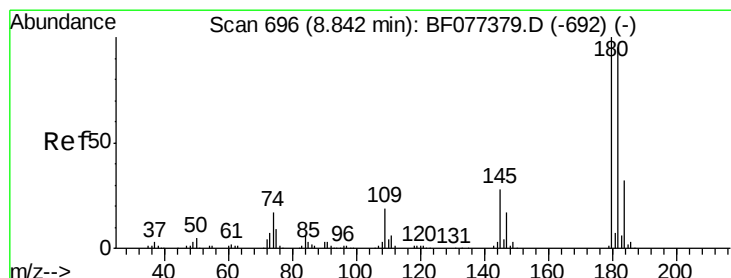
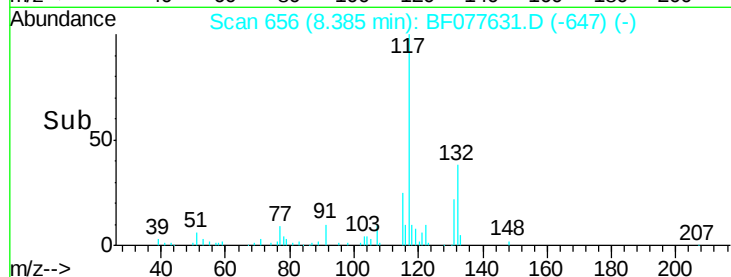
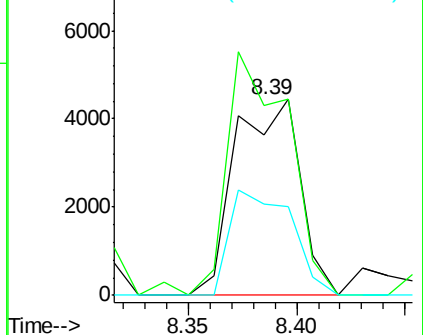
121 56.8 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#30

1,2,4-Trichlorobenzene

Concen: 76.93 ng

RT: 8.71 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

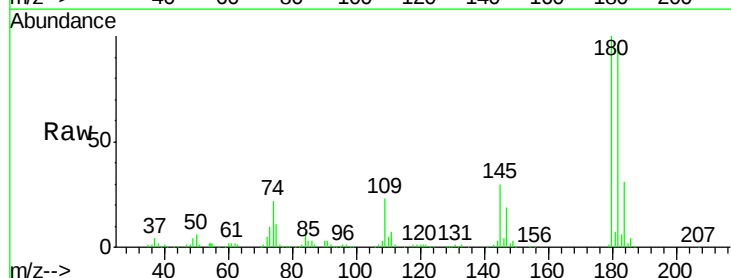
Tgt Ion:180 Resp: 340682

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.4

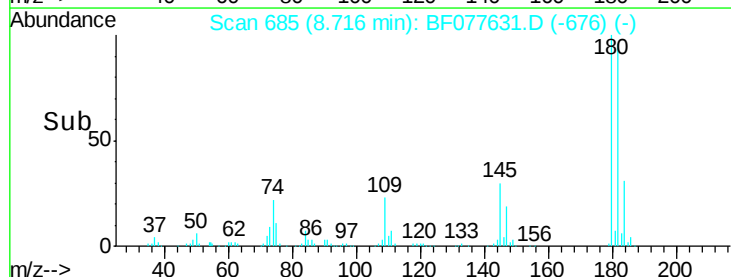
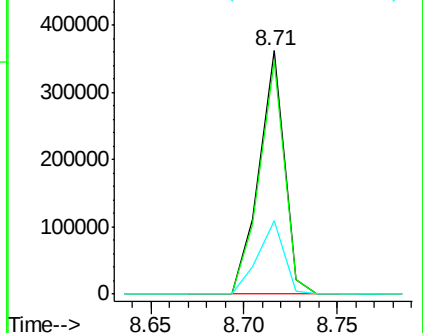
145 30.0 24.5 36.7

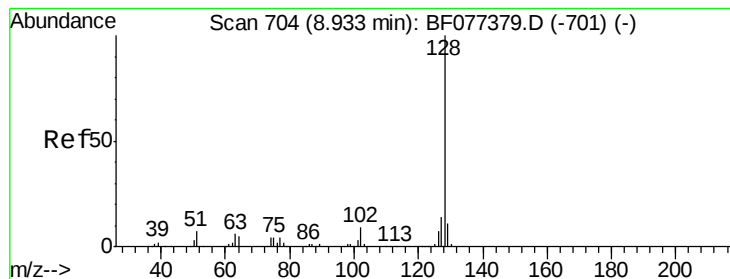


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 124.55 ng

RT: 8.81 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Instrument :

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ClientSampleId :

DCW-WW-076-3515

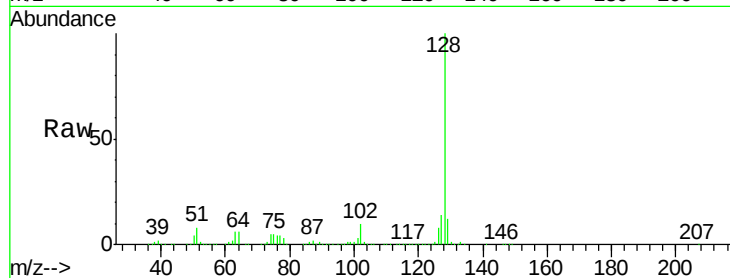
Tgt Ion:128 Resp: 1722757

Ion Ratio Lower Upper

128 100

129 12.2 9.4 14.0

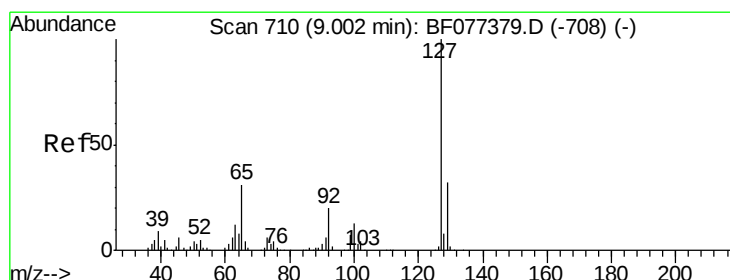
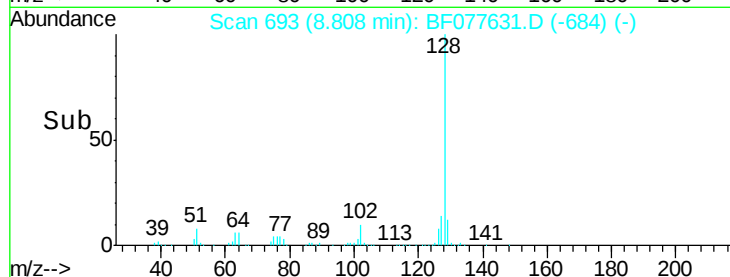
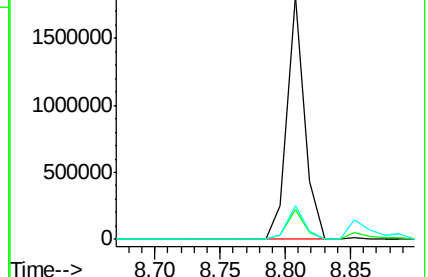
127 14.1 10.6 15.8



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



#33

4-Chloroaniline

Concen: 32.07 ng

RT: 8.86 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Tgt Ion:127 Resp: 197211

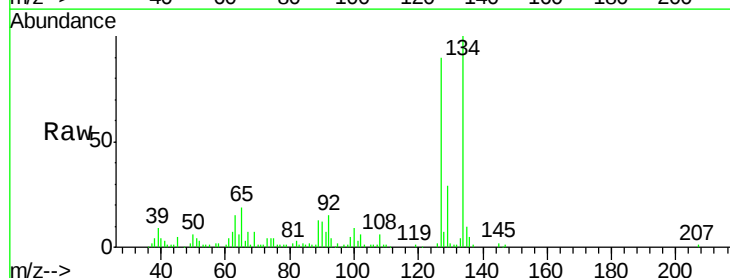
Ion Ratio Lower Upper

127 100

129 31.6 26.9 40.3

65 20.5 16.7 25.1

92 16.1 12.5 18.7

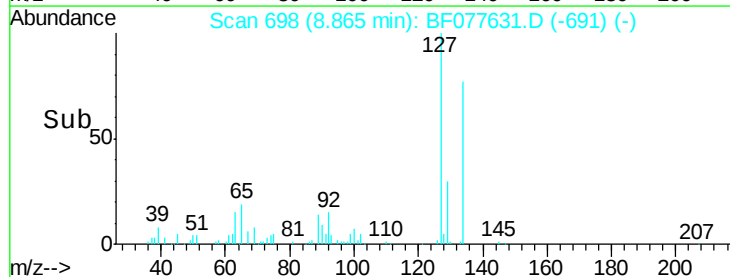
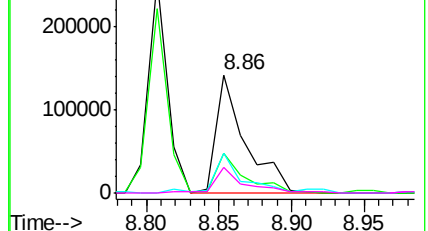


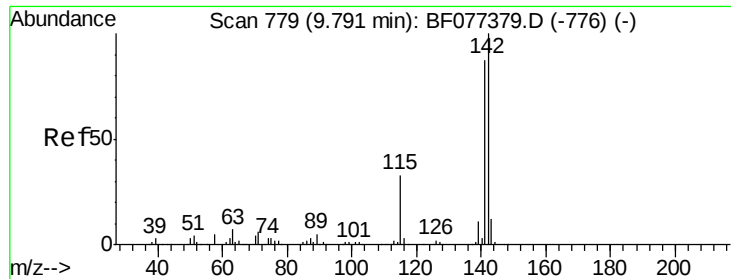
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

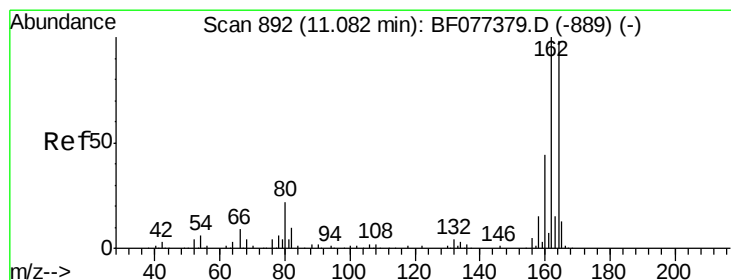
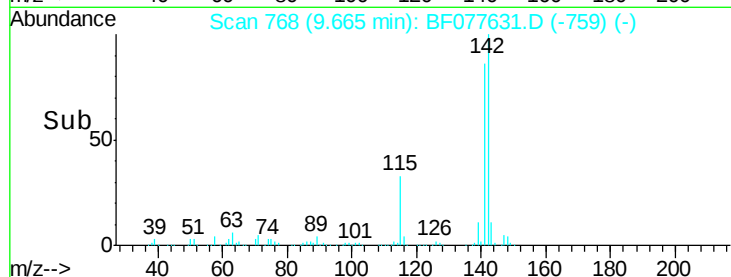
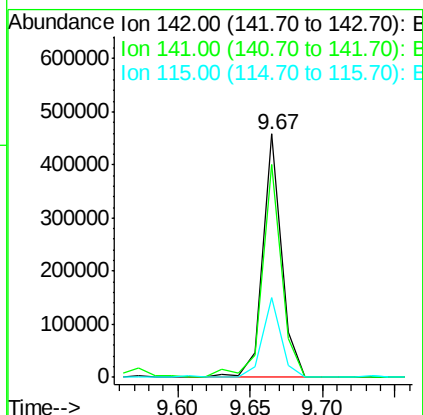
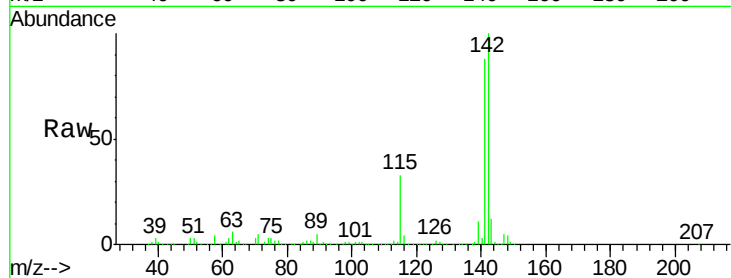




#37
 2-Methylnaphthalene
 Concen: 41.79 ng
 RT: 9.67 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

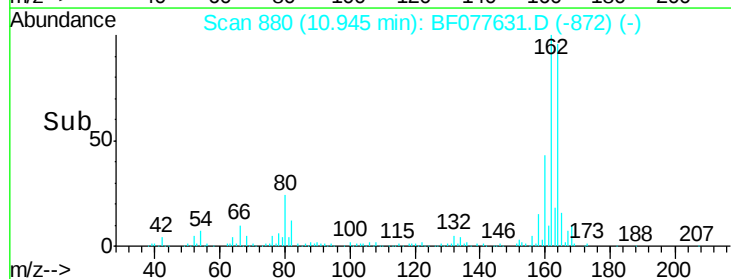
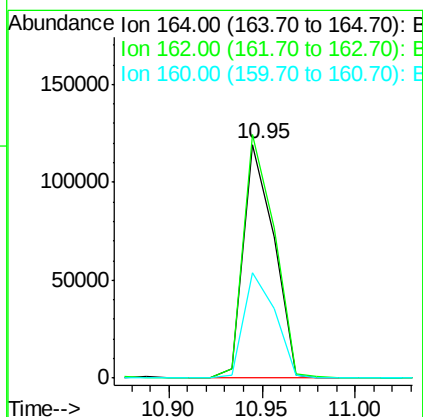
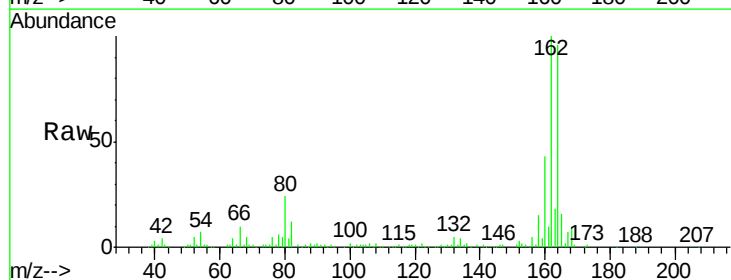
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

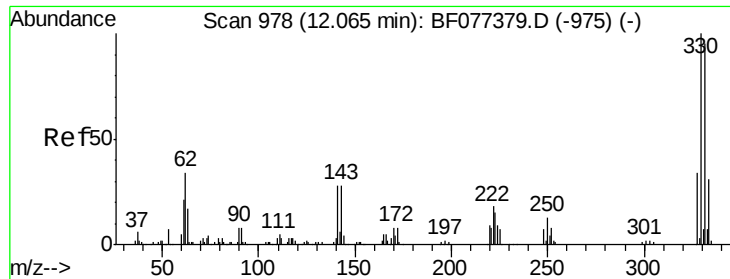
Tgt Ion:142 Resp: 410496
 Ion Ratio Lower Upper
 142 100
 141 87.6 70.7 106.1
 115 32.8 24.2 36.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.95 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Tgt Ion:164 Resp: 135585
 Ion Ratio Lower Upper
 164 100
 162 104.3 83.2 124.8
 160 45.3 34.6 52.0

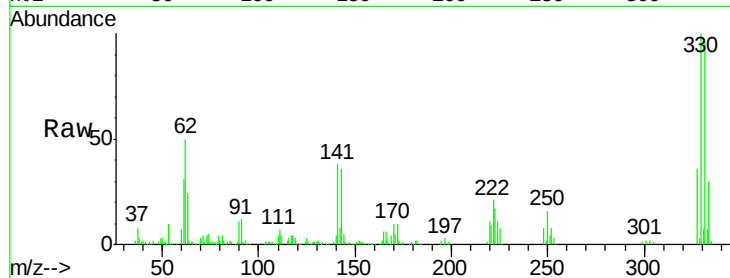




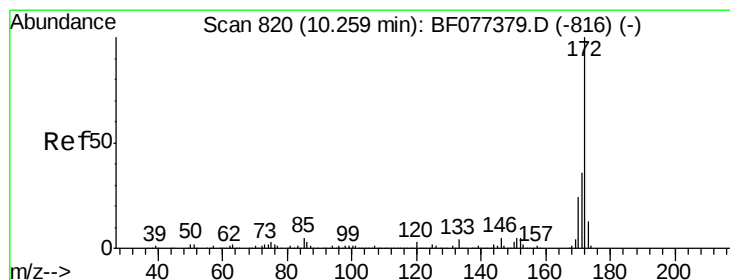
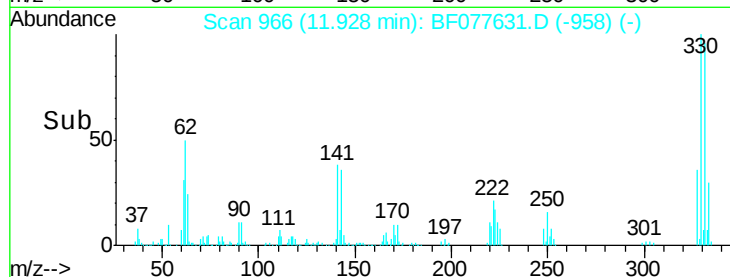
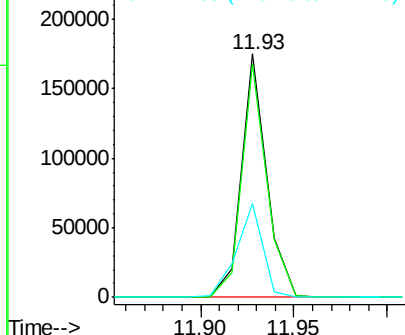
#41
 2,4,6-Tribromophenol
 Concen: 126.80 ng
 RT: 11.93 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

Tgt Ion:330 Resp: 165536
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.2
 141 41.0 28.8 43.2

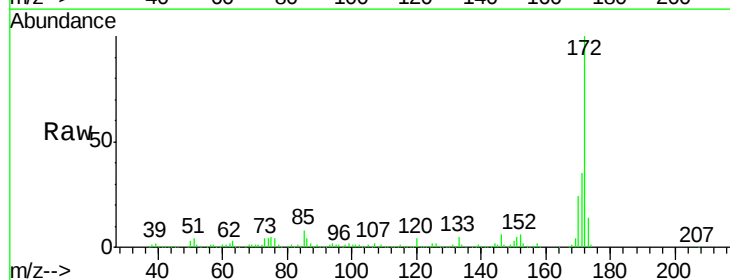


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

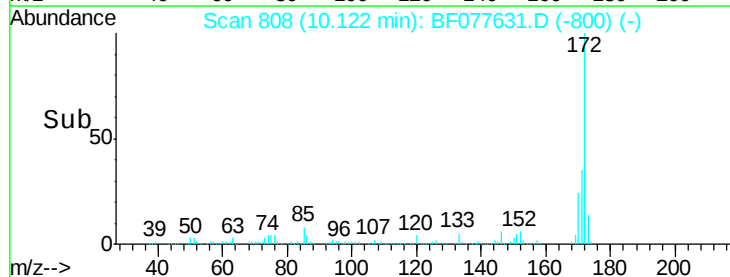
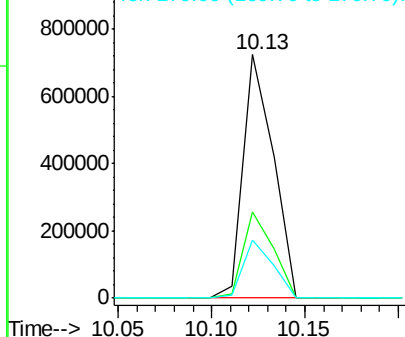


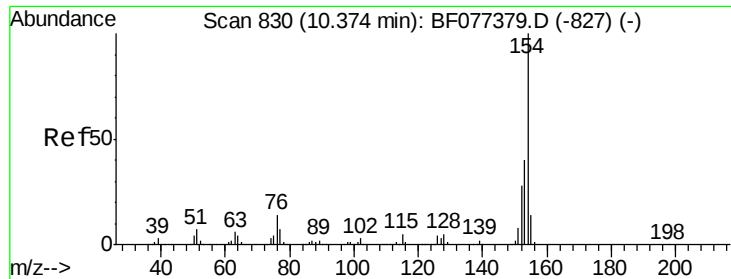
#44
 2-Fluorobiphenyl
 Concen: 93.26 ng
 RT: 10.13 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Tgt Ion:172 Resp: 810939
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 23.7 19.4 29.2



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

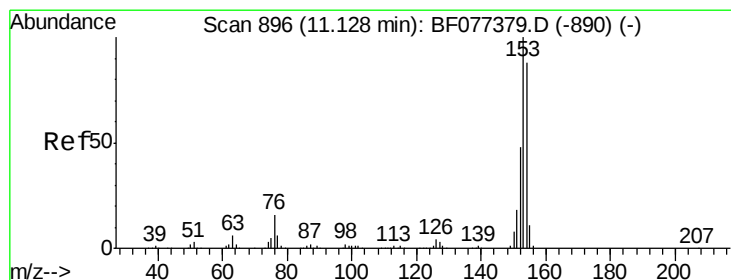
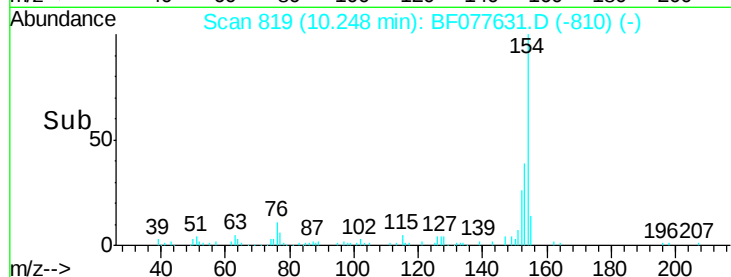
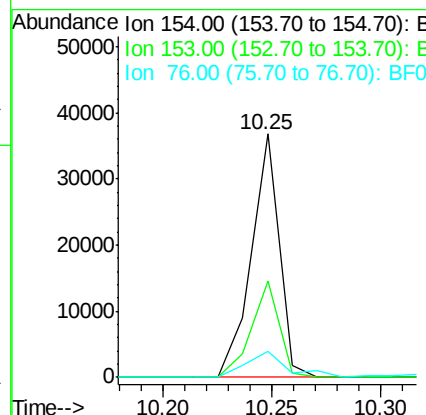
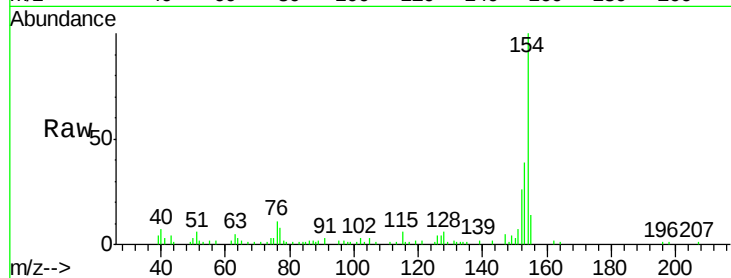




#45
1,1'-Biphenyl
Concen: 3.18 ng
RT: 10.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

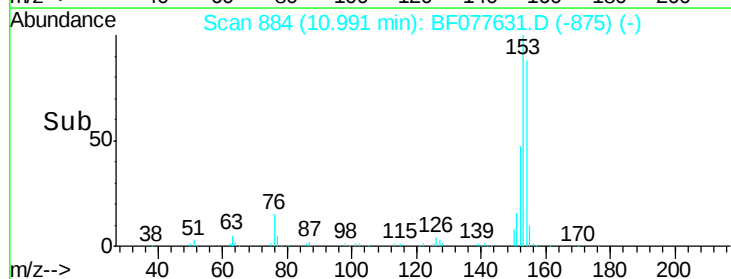
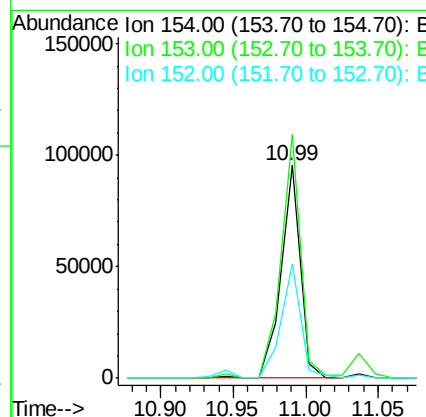
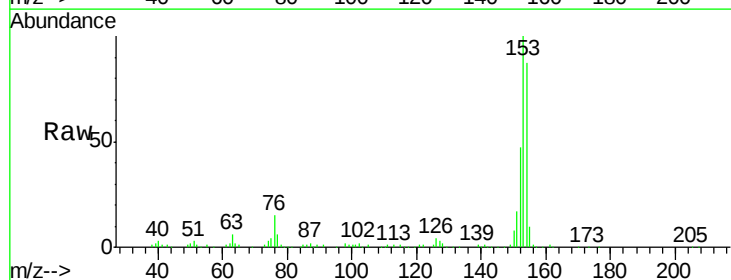
Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515

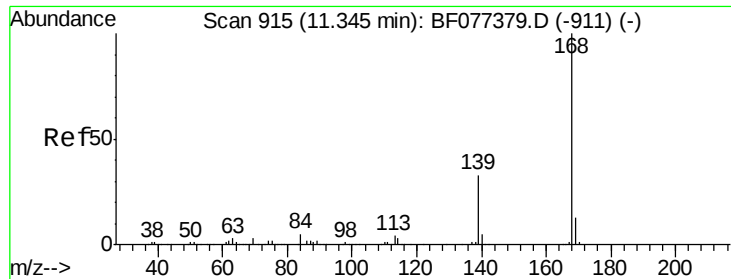
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.2	60.2
76	10.5	0.0	29.4



#51
Acenaphthene
Concen: 11.62 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.5	135.7
152	54.1	43.5	65.3

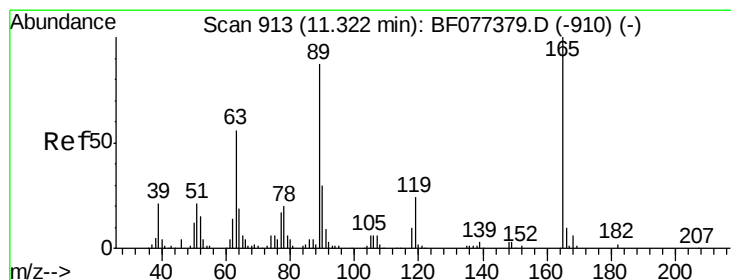
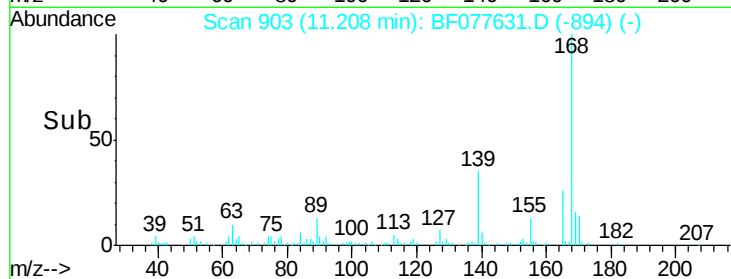
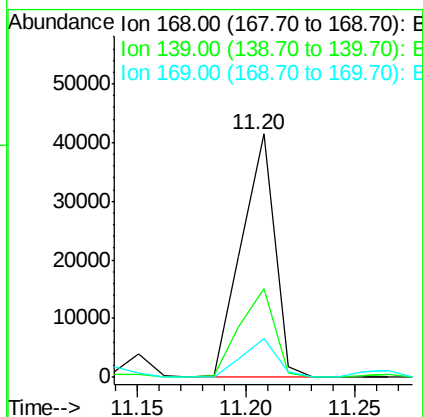
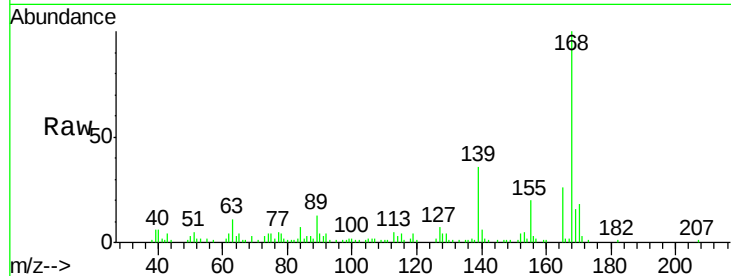




#54
Dibenzofuran
Concen: 3.75 ng
RT: 11.20 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

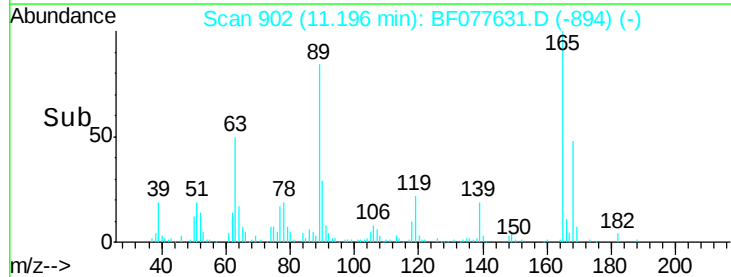
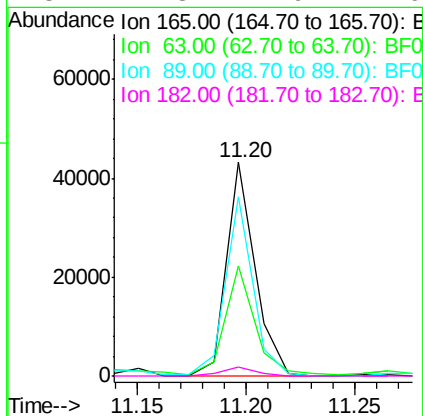
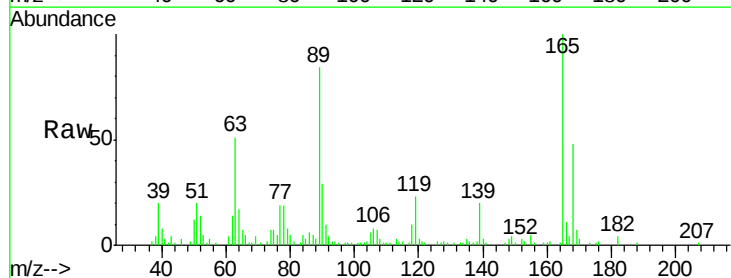
Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515

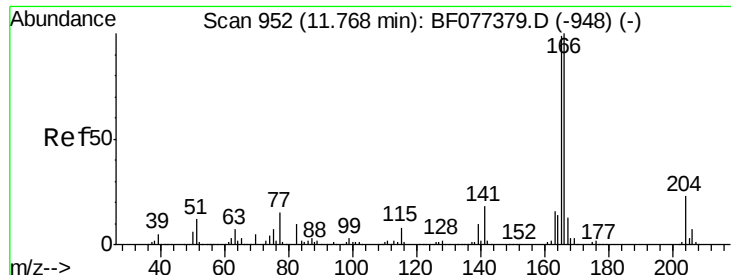
Tgt Ion:168 Resp: 44080
Ion Ratio Lower Upper
168 100
139 36.2 29.3 43.9
169 16.0 10.9 16.3



#56
2,4-Dinitrotoluene
Concen: 15.24 ng
RT: 11.20 min Scan# 902
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

Tgt Ion:165 Resp: 39359
Ion Ratio Lower Upper
165 100
63 51.3 29.8 44.8#
89 83.7 48.5 72.7#
182 4.3 1.9 2.9#

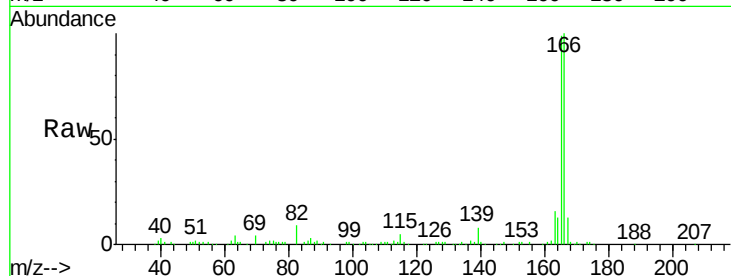




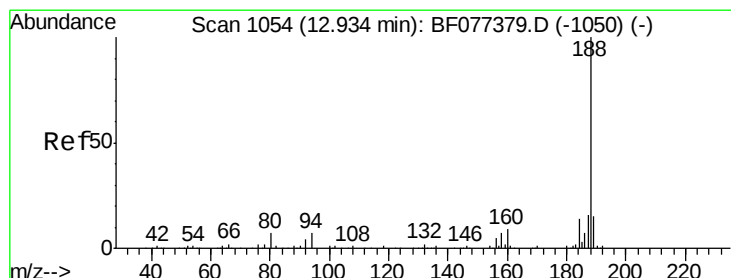
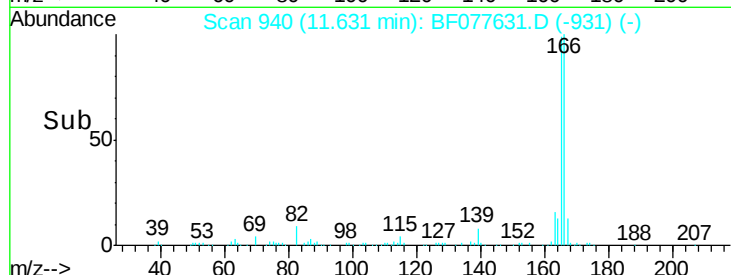
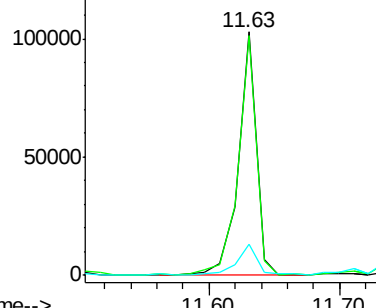
#57
Fluorene
 Concen: 10.66 ng
 RT: 11.63 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

Tgt Ion:166 Resp: 100138
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.6 116.4
 167 12.9 10.6 16.0

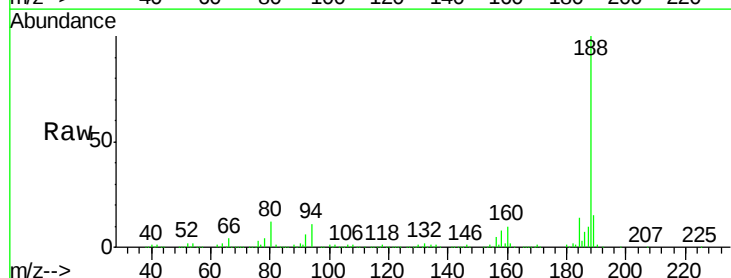


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

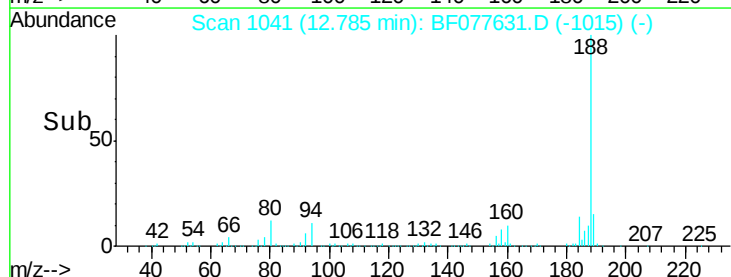
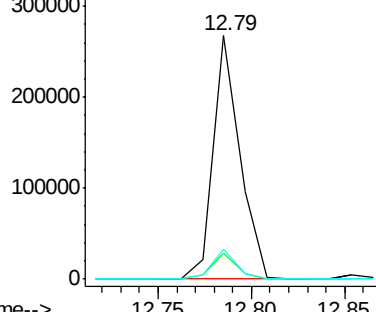


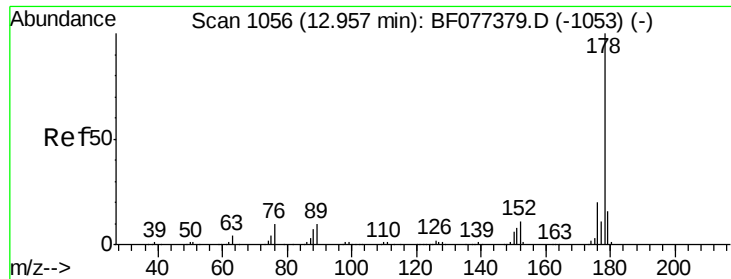
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.79 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Tgt Ion:188 Resp: 265893
 Ion Ratio Lower Upper
 188 100
 94 10.8 7.4 11.2
 80 12.2 8.0 12.0#



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

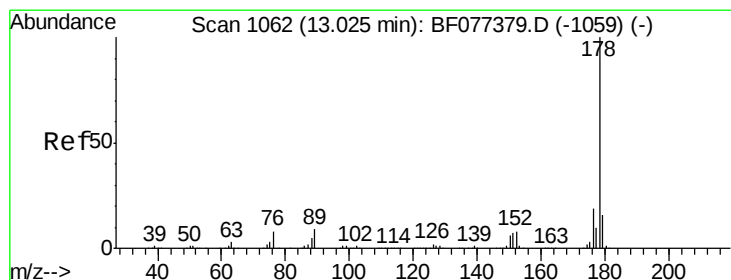
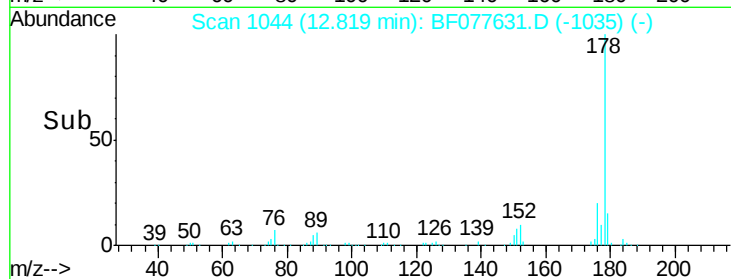
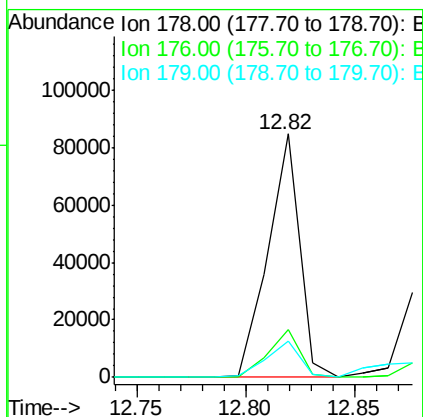
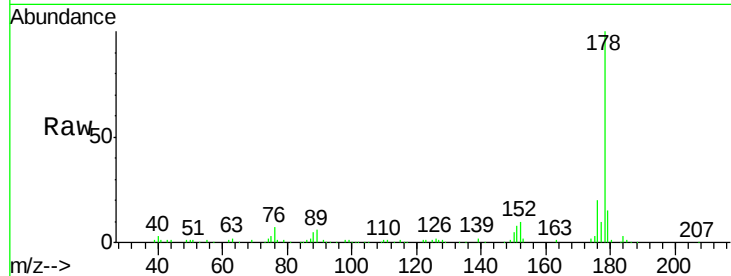




#70
Phenanthrene
Concen: 5.60 ng
RT: 12.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

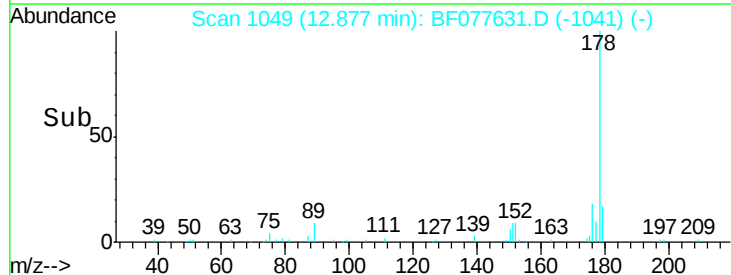
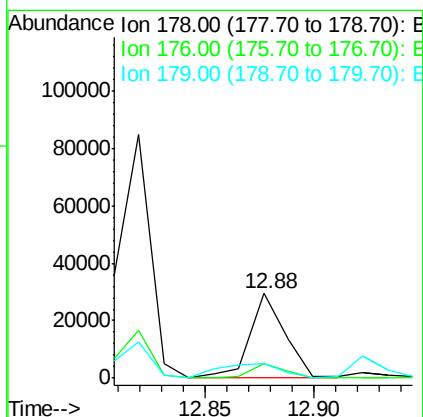
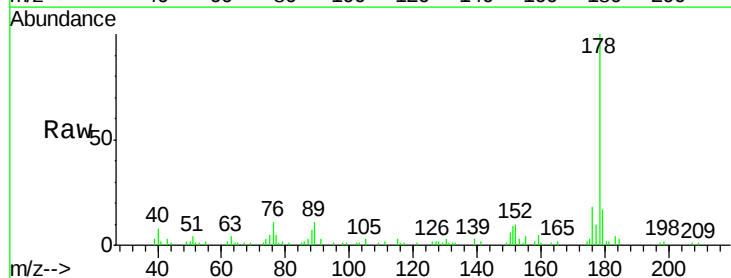
Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515

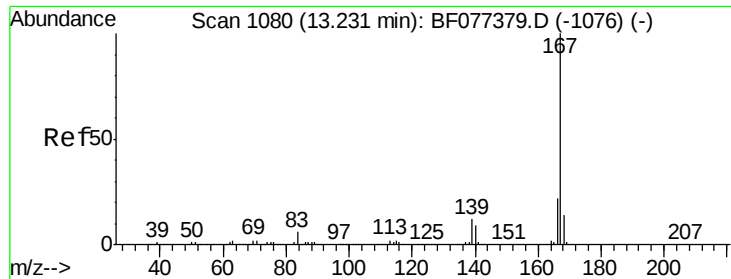
Tgt Ion:178 Resp: 86277
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.1 12.2 18.2



#71
Anthracene
Concen: 2.18 ng
RT: 12.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF077631.D
Acq: 6 Mar 2015 19:37

Tgt Ion:178 Resp: 33402
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 17.4 12.9 19.3





#72

Carbazole

Concen: 4.02 ng

RT: 13.09 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515

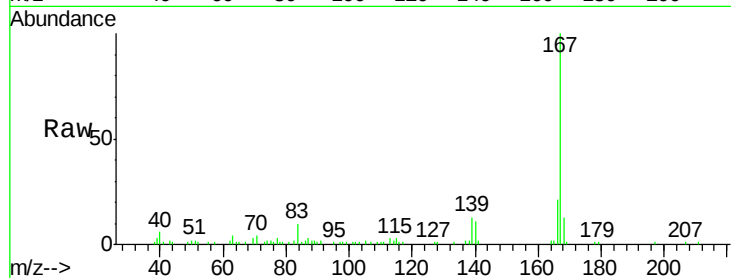
Tgt Ion:167 Resp: 58468

Ion Ratio Lower Upper

167 100

166 20.8 17.6 26.4

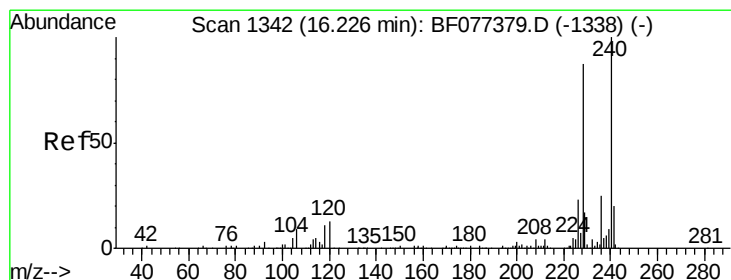
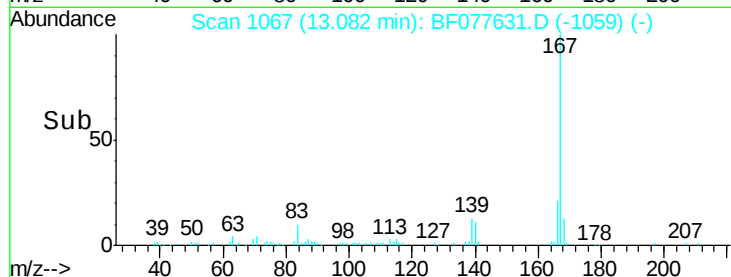
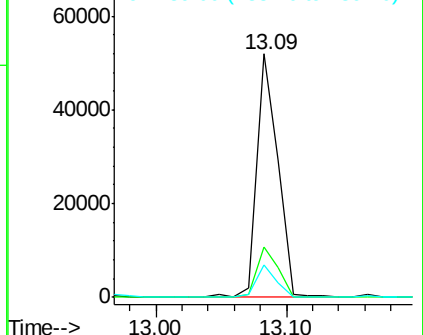
139 13.3 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.07 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF077631.D

Acq: 6 Mar 2015 19:37

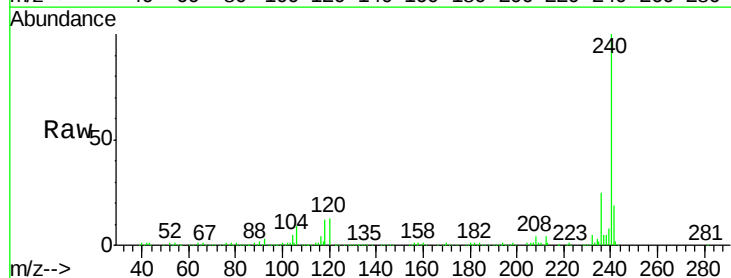
Tgt Ion:240 Resp: 283777

Ion Ratio Lower Upper

240 100

120 12.9 8.8 13.2

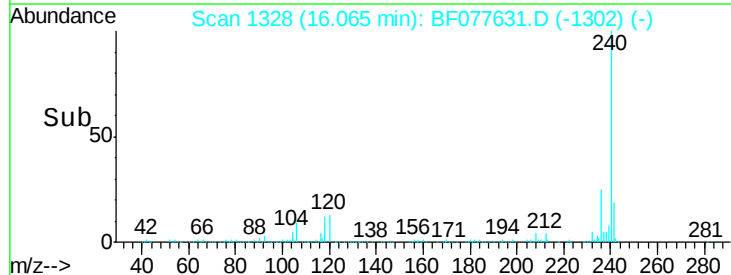
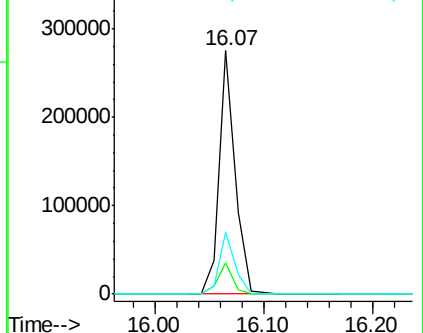
236 25.2 20.7 31.1

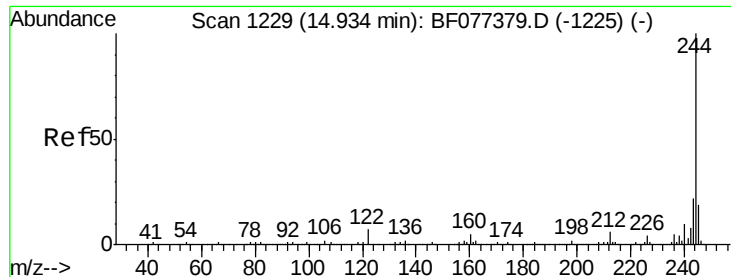


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

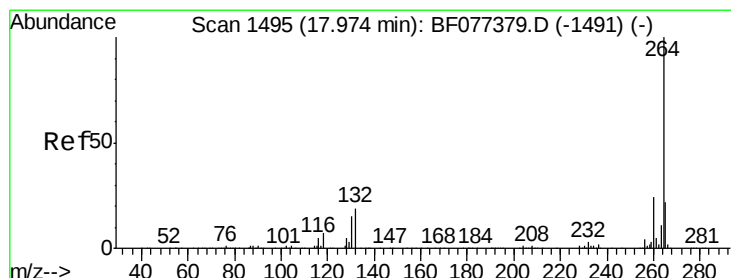
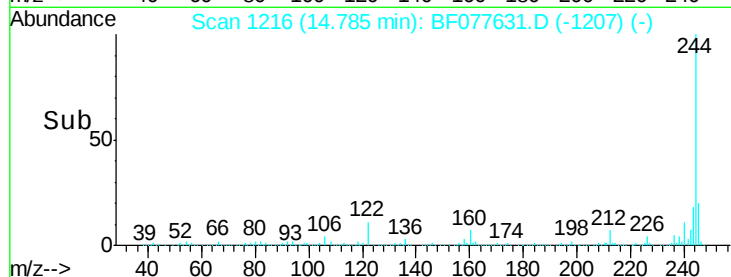
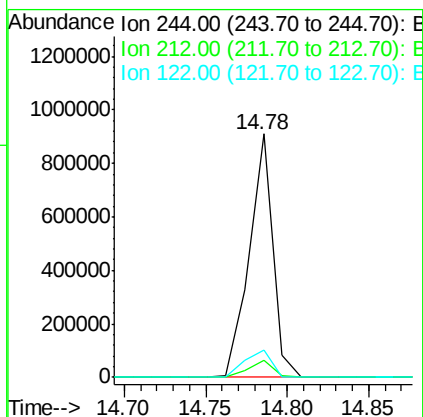
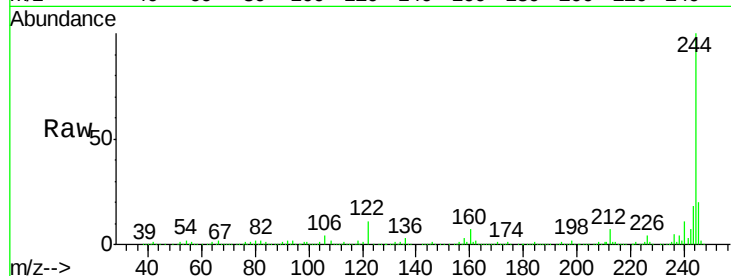




#78
 Terphenyl-d14
 Concen: 75.18 ng
 RT: 14.78 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515

Tgt Ion:244 Resp: 912541
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 11.2 7.8 11.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.76 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: BF077631.D
 Acq: 6 Mar 2015 19:37

Tgt Ion:264 Resp: 274436
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.3 28.9
 265 22.1 16.8 25.2

