

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
 Data File : BF077623.D
 Acq On : 6 Mar 2015 15:49
 Operator : TP/IZ
 Sample : G1426-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315DL

Quant Time: Mar 06 22:32:42 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	63341	20.00	ng	0.00
21) Naphthalene-d8	8.78	136	251887	20.00	ng	0.00
38) Acenaphthene-d10	10.95	164	130692	20.00	ng	0.00
63) Phenanthrene-d10	12.79	188	254225	20.00	ng	0.00
75) Chrysene-d12	16.07	240	274480	20.00	ng	0.00
86) Perylene-d12	17.77	264	265654	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	43953	11.58	ng	0.00
7) Phenol-d6	6.76	99	35550	7.29	ng	0.00
23) Nitrobenzene-d5	7.89	82	80454	19.86	ng	0.00
41) 2,4,6-Tribromophenol	11.93	330	35484	28.20	ng	0.00
44) 2-Fluorobiphenyl	10.12	172	184493	22.01	ng	0.00
78) Terphenyl-d14	14.78	244	216116	18.41	ng	0.00

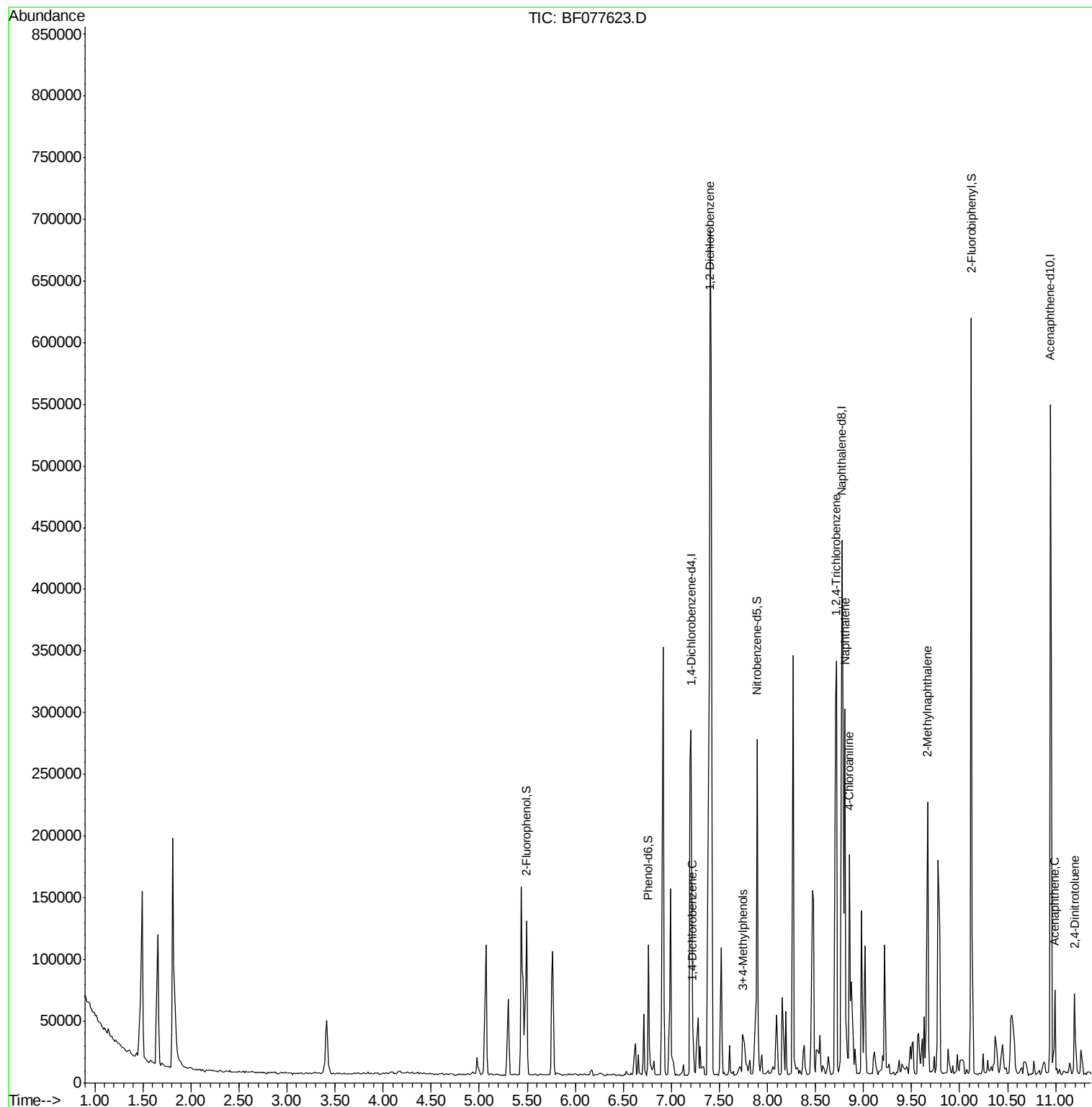
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) 1,4-Dichlorobenzene	7.22	146	10152	2.05	ng	96
14) 1,2-Dichlorobenzene	7.41	146	209189	44.35	ng	97
20) 3+4-Methylphenols	7.75	107	15366	3.33	ng	# 27
30) 1,2,4-Trichlorobenzene	8.71	180	90918	22.54	ng	96
31) Naphthalene	8.80	128	148408	11.78	ng	98
33) 4-Chloroaniline	8.86	127	68308	12.20	ng	98
37) 2-Methylnaphthalene	9.66	142	58215	6.51	ng	99
51) Acenaphthene	10.99	154	16626	2.27	ng	98
56) 2,4-Dinitrotoluene	11.20	165	8729	3.51	ng	# 65

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

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BNA_F
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DCW-WW-064-3315DL

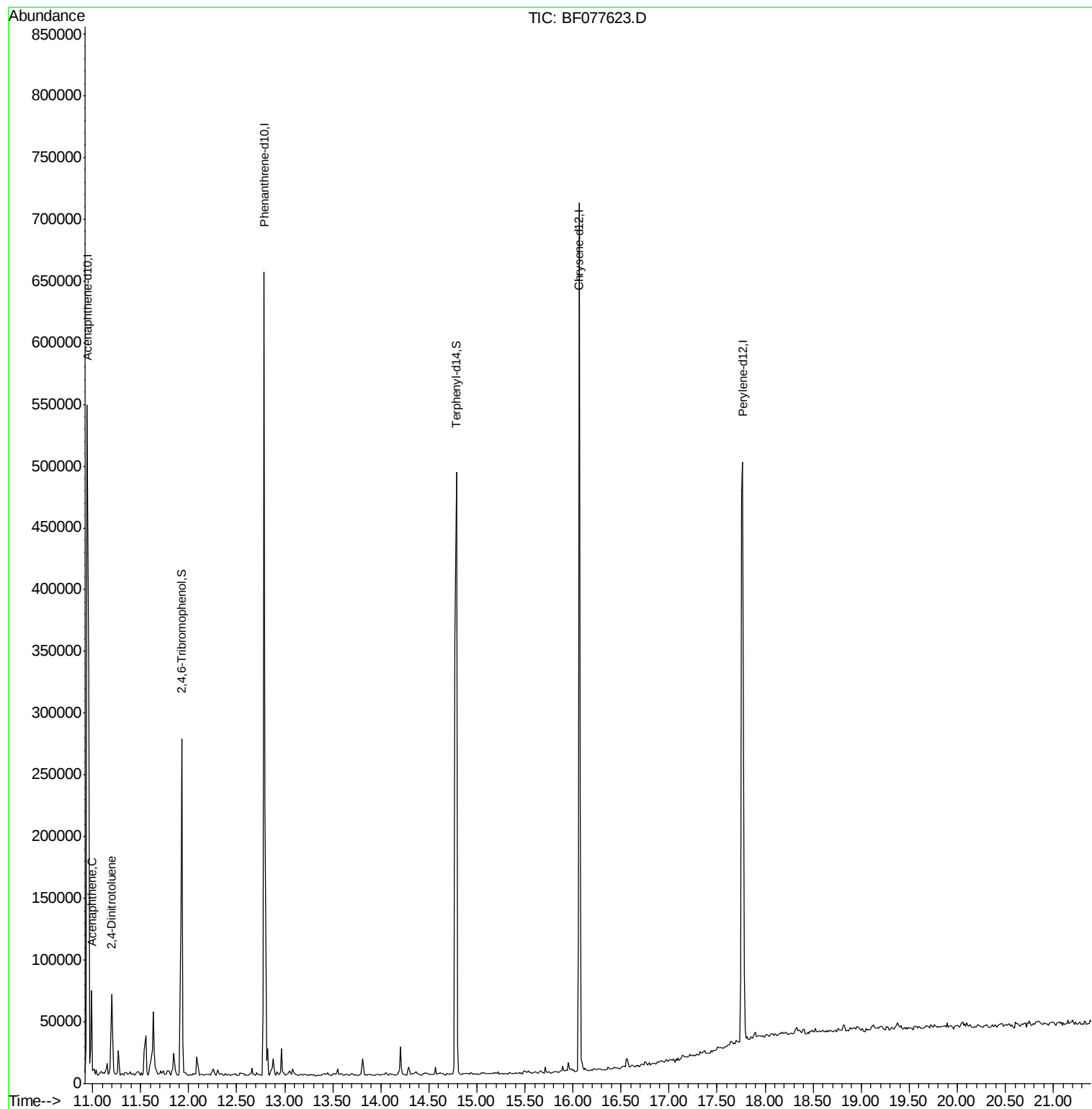
Quant Time: Mar 06 22:32:42 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 22:10:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.20 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315DL

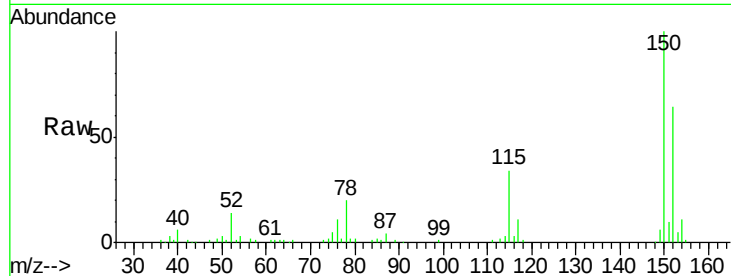
Tgt Ion:152 Resp: 63341

Ion Ratio Lower Upper

152 100

150 155.4 124.0 186.0

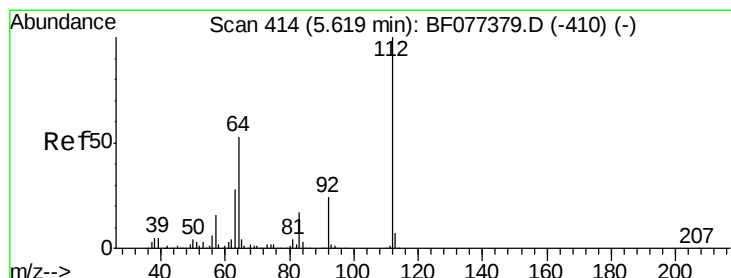
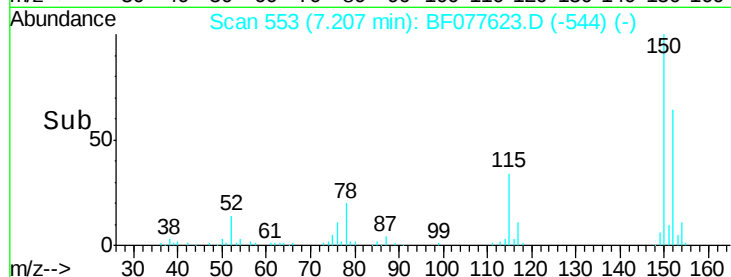
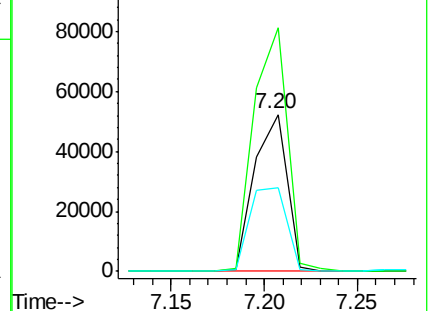
115 53.5 49.4 74.2



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: 11.58 ng

RT: 5.49 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

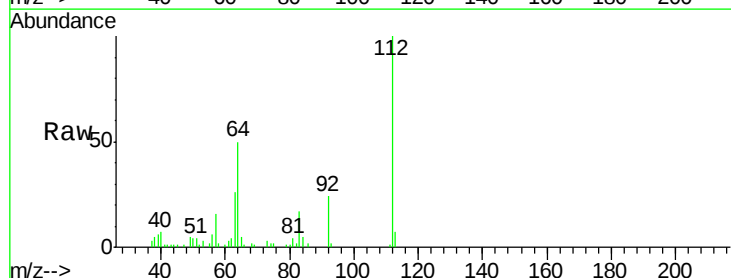
Tgt Ion:112 Resp: 43953

Ion Ratio Lower Upper

112 100

64 49.7 48.5 72.7

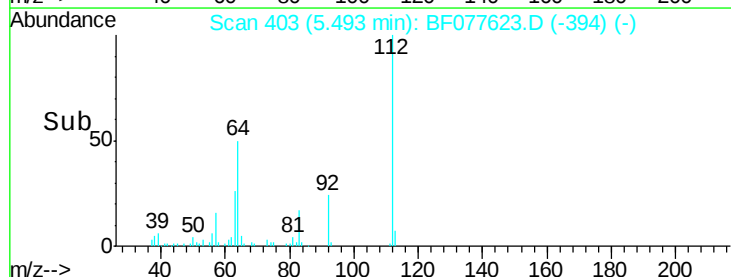
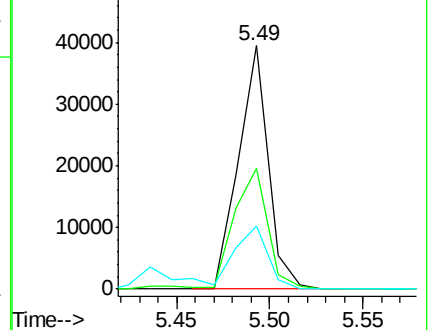
63 25.9 25.0 37.4

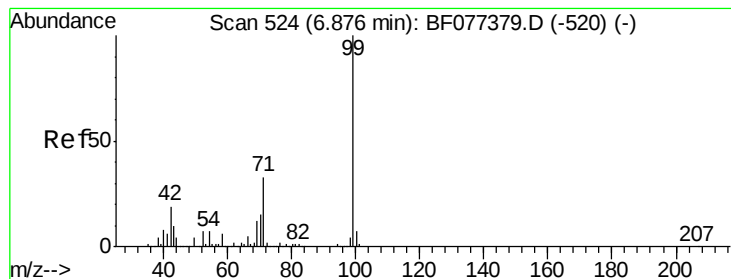


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.29 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315DL

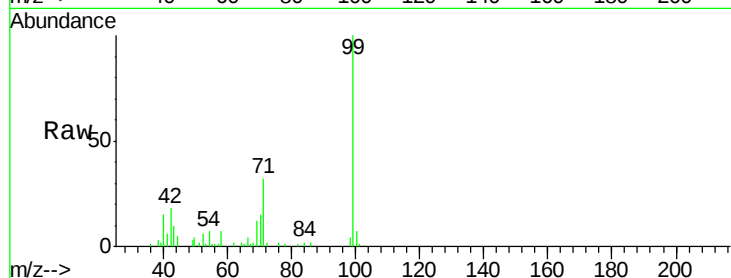
Tgt Ion: 99 Resp: 35550

Ion Ratio Lower Upper

99 100

42 17.6 16.2 24.4

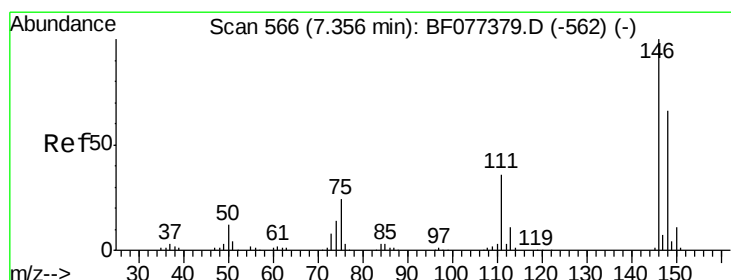
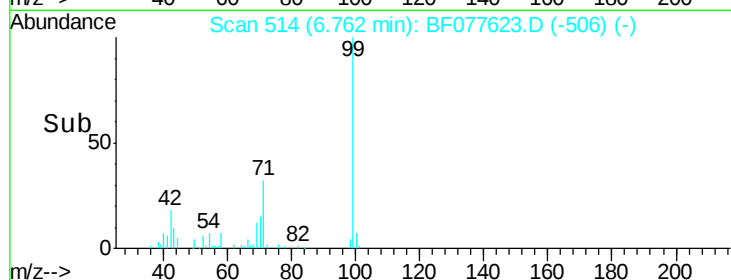
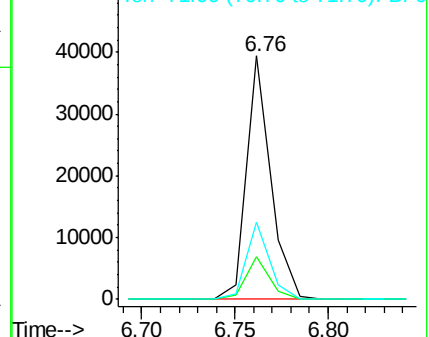
71 31.7 26.7 40.1



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: 2.05 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

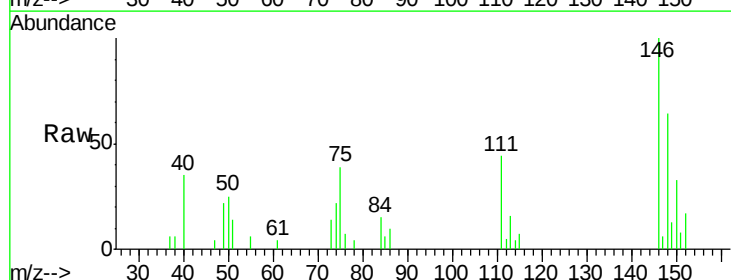
Tgt Ion: 146 Resp: 10152

Ion Ratio Lower Upper

146 100

148 63.7 52.0 78.0

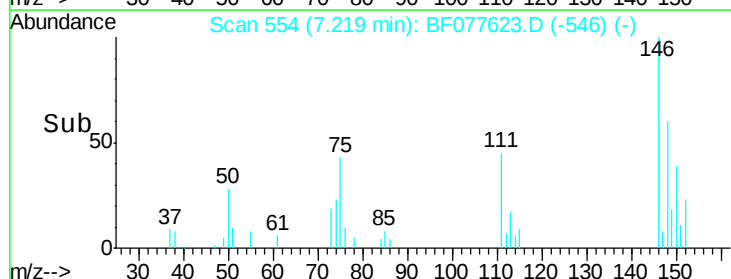
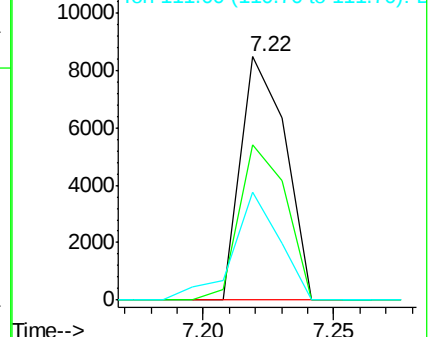
111 44.2 31.9 47.9

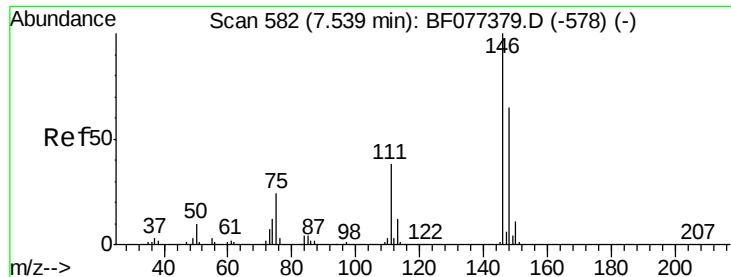


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 44.35 ng

RT: 7.41 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315DL

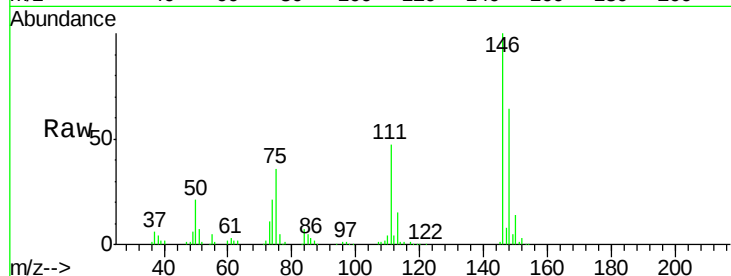
Tgt Ion:146 Resp: 209189

Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

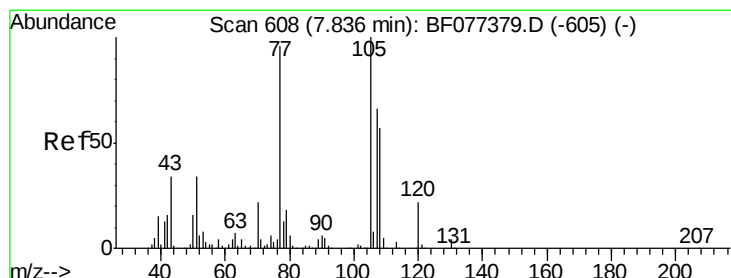
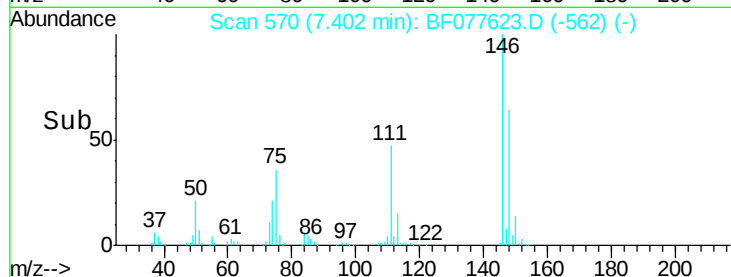
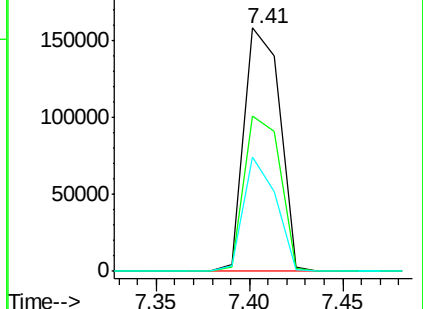
111 47.1 34.2 51.2



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



#20

3+4-Methylphenols

Concen: 3.33 ng

RT: 7.75 min Scan# 601

Delta R.T. 0.02 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Tgt Ion:107 Resp: 15366

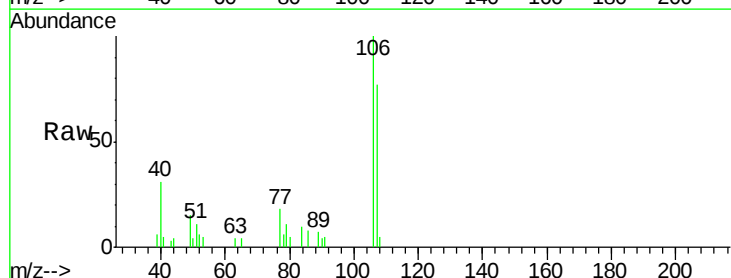
Ion Ratio Lower Upper

107 100

108 7.0 76.8 116.8#

77 22.9 65.8 105.8#

79 14.4 9.6 49.6

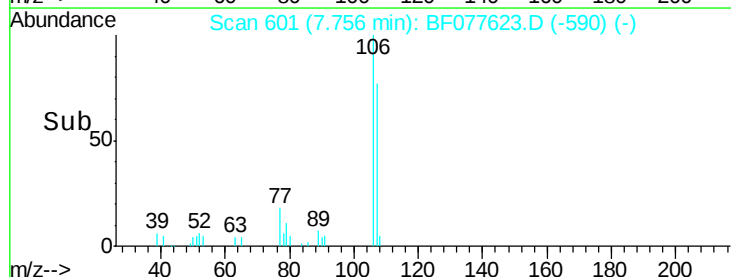
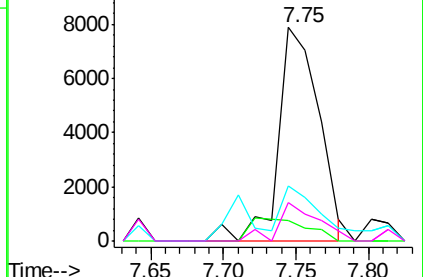


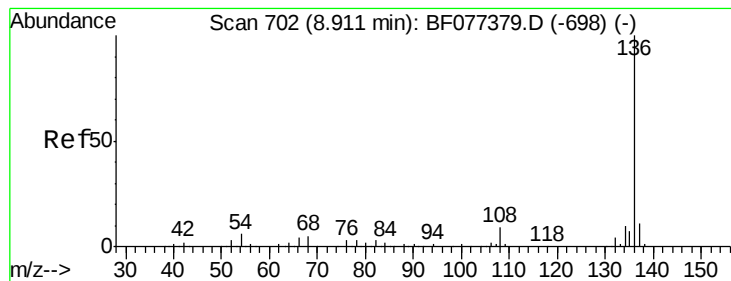
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.78 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315DL

Tgt Ion:136 Resp: 251887

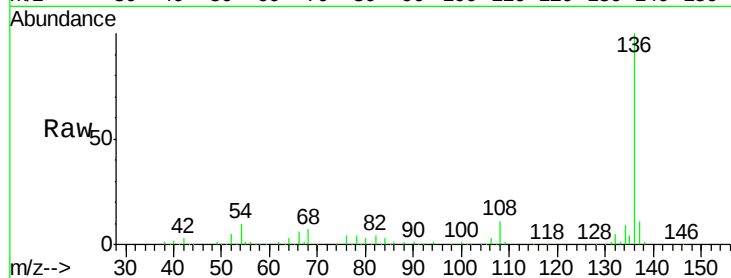
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.8 6.2 9.4#

68 7.4 5.0 7.6

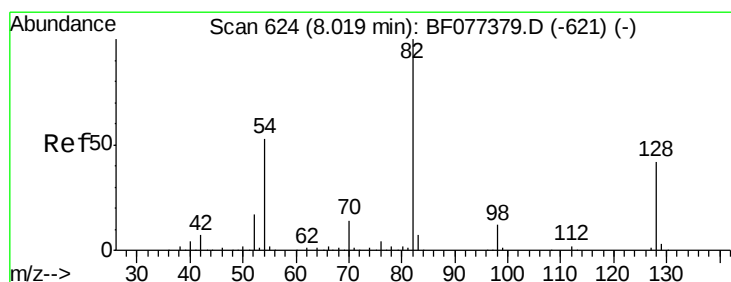
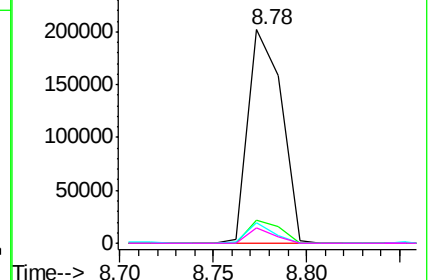
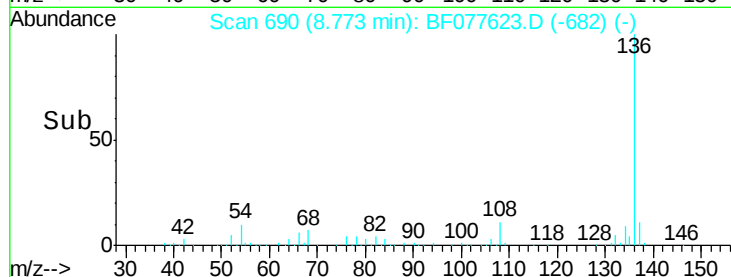


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.86 ng

RT: 7.89 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

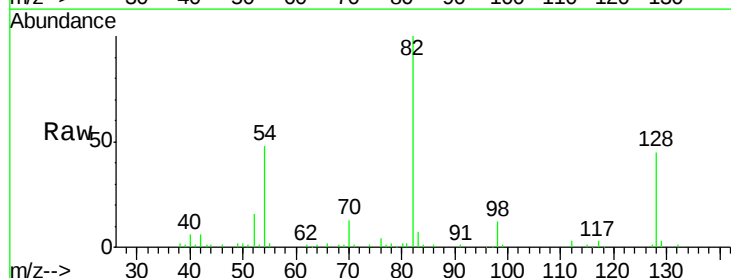
Tgt Ion: 82 Resp: 80454

Ion Ratio Lower Upper

82 100

128 45.3 43.8 65.8

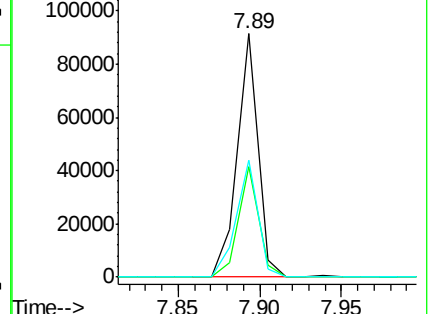
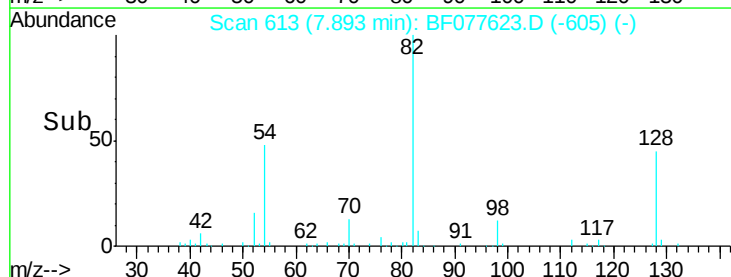
54 48.2 36.7 55.1

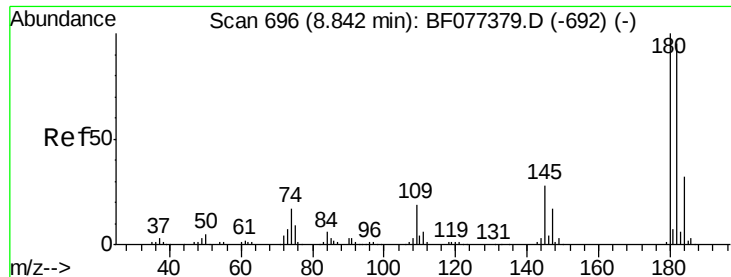


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

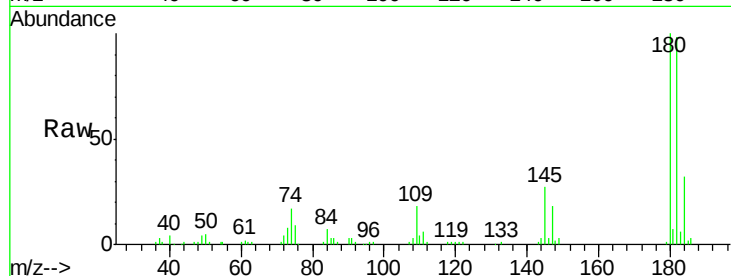




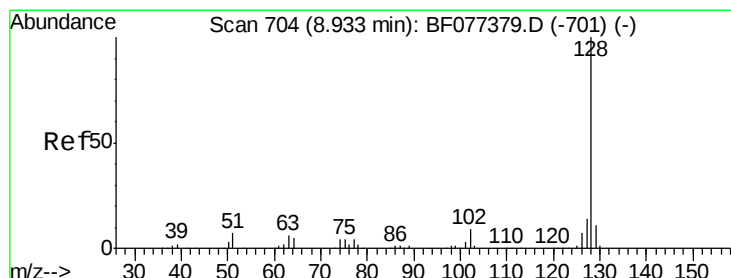
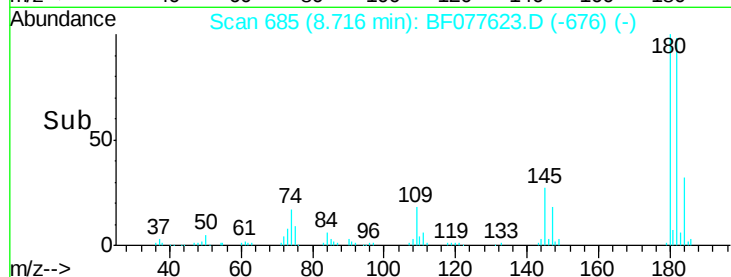
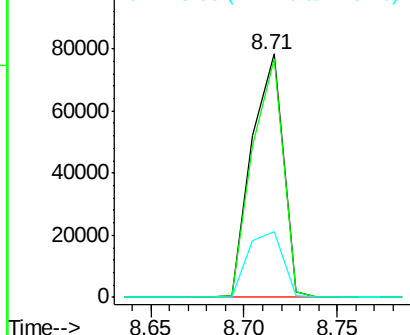
#30
 1,2,4-Trichlorobenzene
 Concen: 22.54 ng
 RT: 8.71 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF077623.D
 Acq: 6 Mar 2015 15:49

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315DL

Tgt Ion:180 Resp: 90918
 Ion Ratio Lower Upper
 180 100
 182 98.1 76.2 114.4
 145 26.9 24.5 36.7

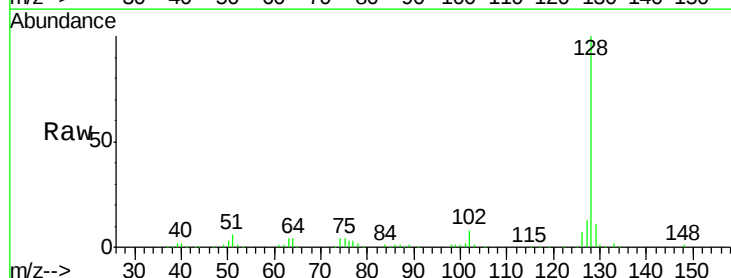


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

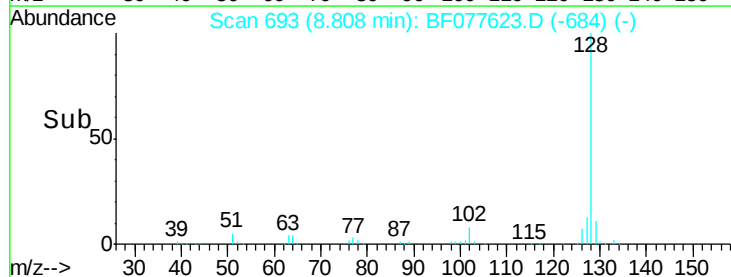
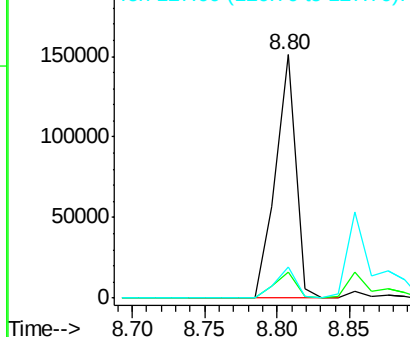


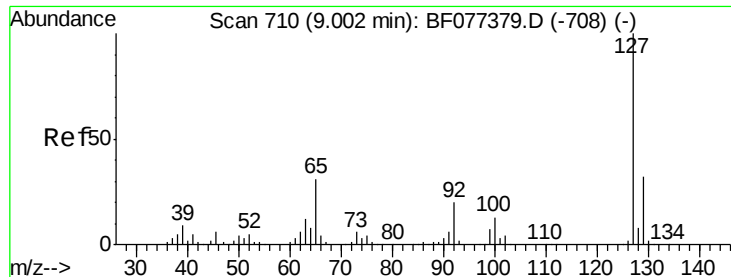
#31
 Naphthalene
 Concen: 11.78 ng
 RT: 8.80 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF077623.D
 Acq: 6 Mar 2015 15:49

Tgt Ion:128 Resp: 148408
 Ion Ratio Lower Upper
 128 100
 129 10.7 9.4 14.0
 127 12.6 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

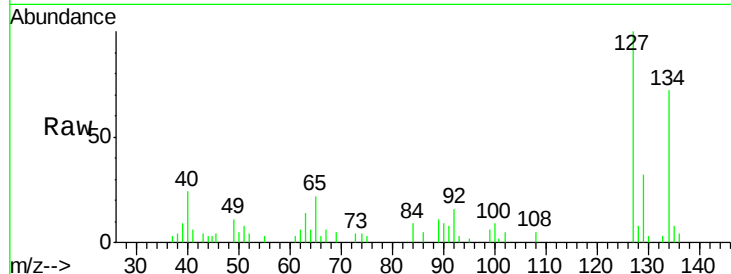




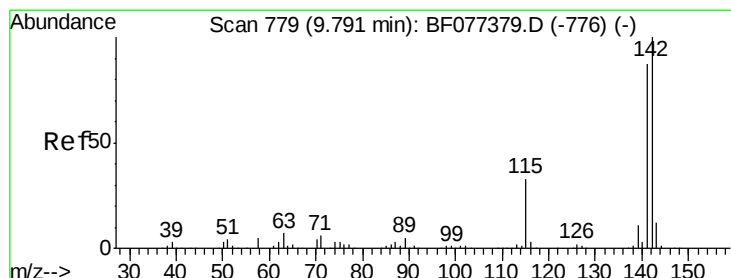
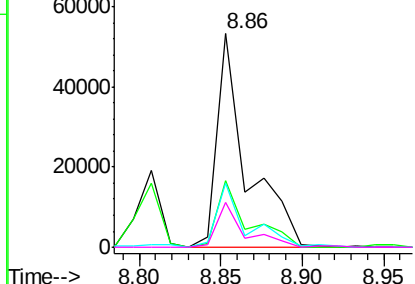
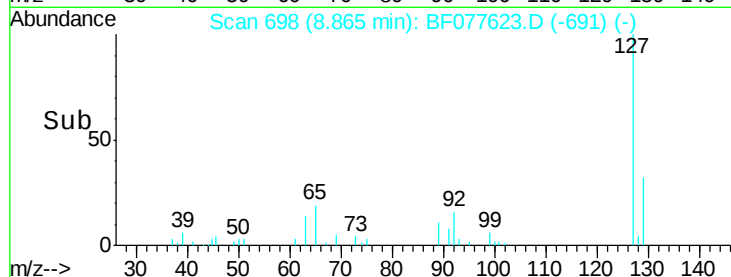
#33
4-Chloroaniline
Concen: 12.20 ng
RT: 8.86 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315DL

Tgt Ion:	127	Resp:	68308
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.9	40.3
65	22.1	16.7	25.1
92	16.0	12.5	18.7

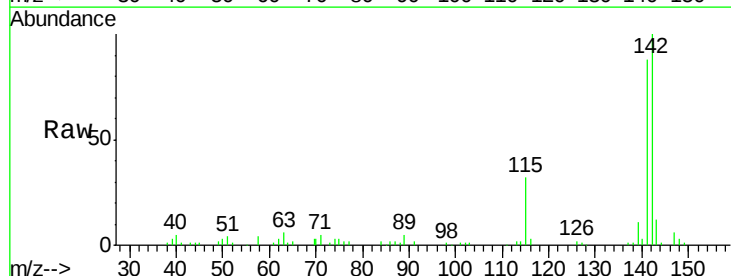


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

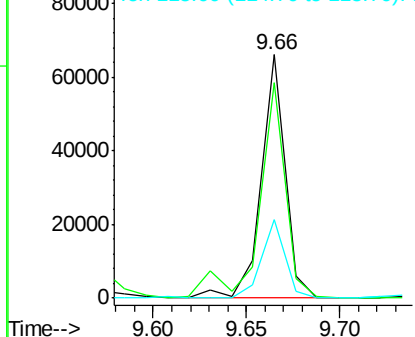
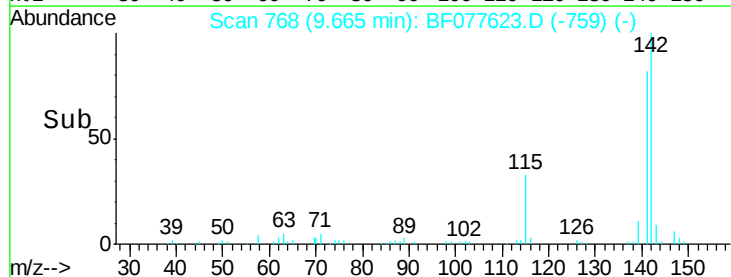


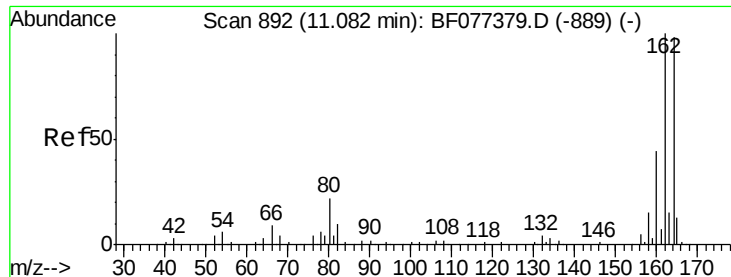
#37
2-Methylnaphthalene
Concen: 6.51 ng
RT: 9.66 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:	142	Resp:	58215
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1
115	32.3	24.2	36.4



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

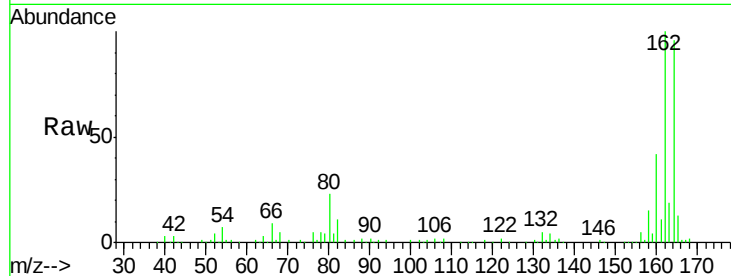




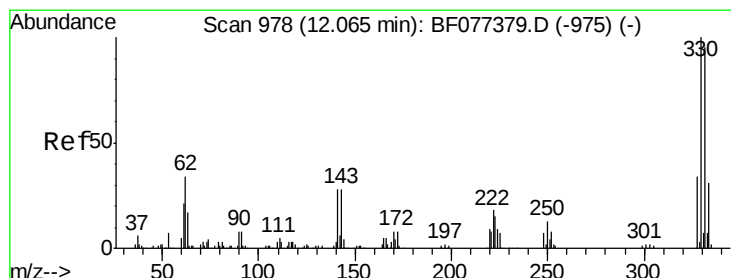
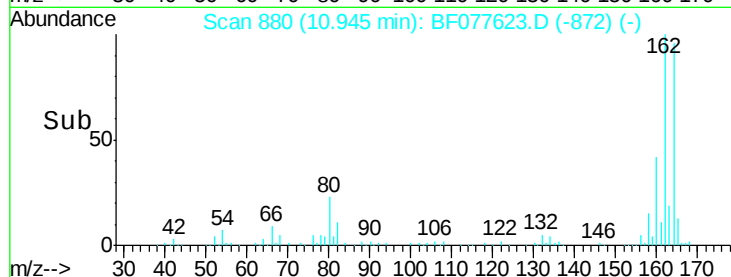
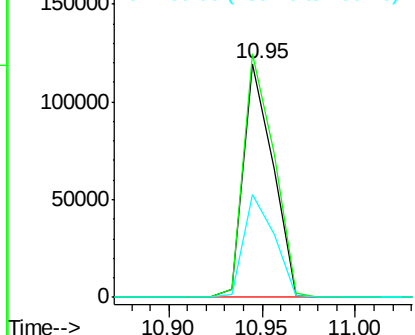
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315DL

Tgt Ion:164 Resp: 130692
Ion Ratio Lower Upper
164 100
162 104.2 83.2 124.8
160 44.1 34.6 52.0

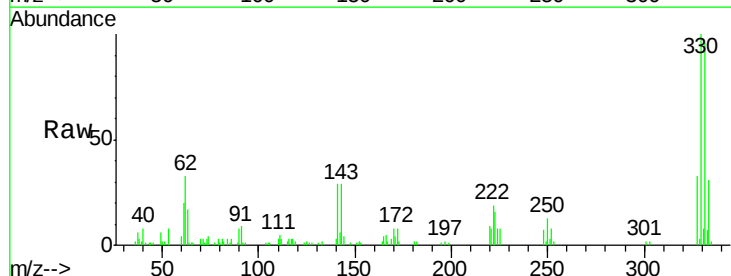


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

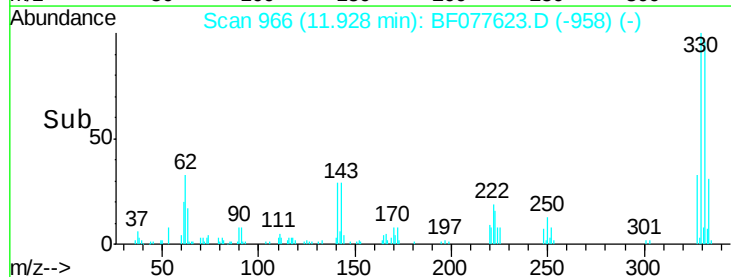
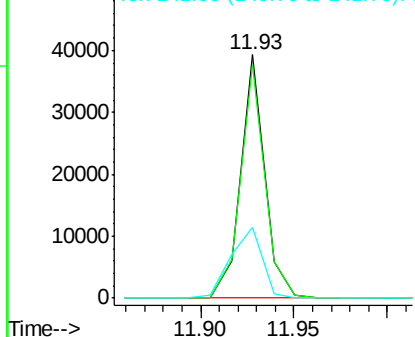


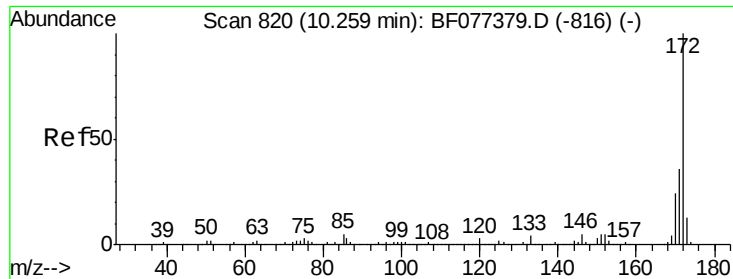
#41
2,4,6-Tribromophenol
Concen: 28.20 ng
RT: 11.93 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:330 Resp: 35484
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.2
141 38.1 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

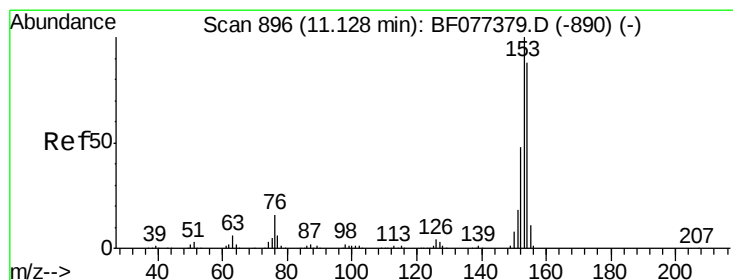
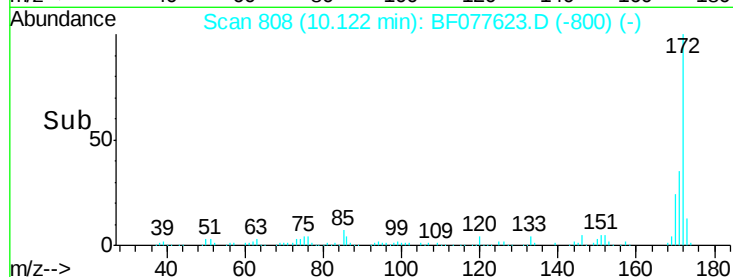
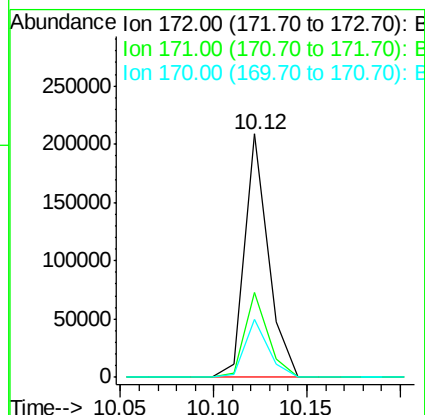
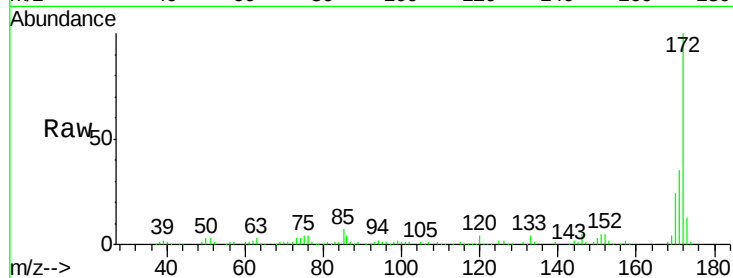




#44
 2-Fluorobiphenyl
 Concen: 22.01 ng
 RT: 10.12 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF077623.D
 Acq: 6 Mar 2015 15:49

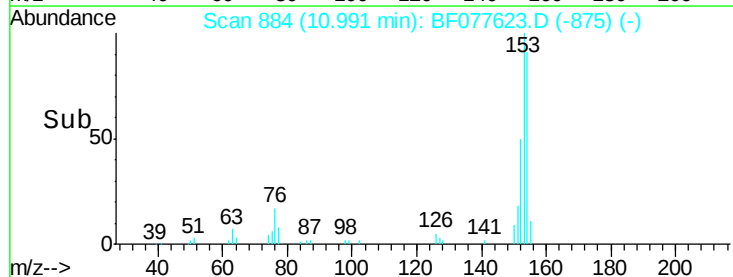
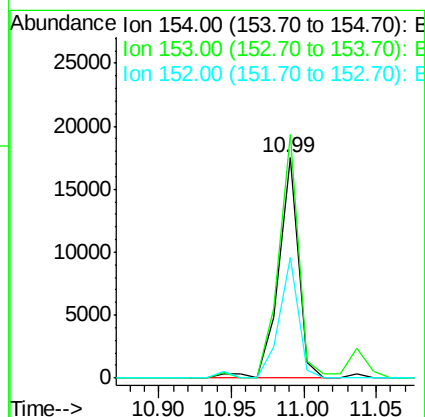
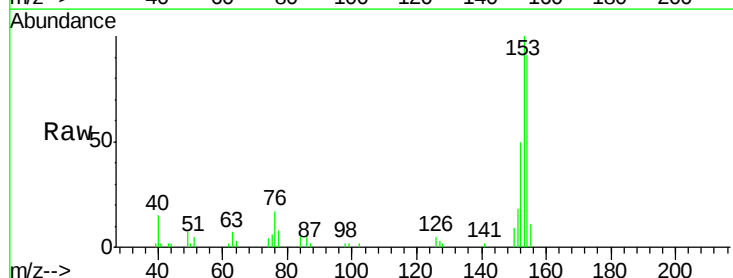
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-064-3315DL

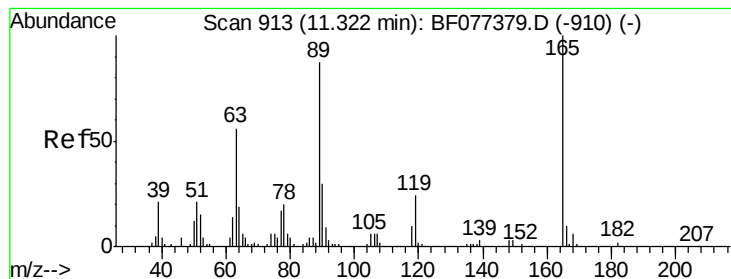
Tgt Ion:172 Resp: 184493
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 24.1 19.4 29.2



#51
 Acenaphthene
 Concen: 2.27 ng
 RT: 10.99 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BF077623.D
 Acq: 6 Mar 2015 15:49

Tgt Ion:154 Resp: 16626
 Ion Ratio Lower Upper
 154 100
 153 110.4 90.5 135.7
 152 54.8 43.5 65.3





#56

2,4-Dinitrotoluene

Concen: 3.51 ng

RT: 11.20 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

Instrument :

BNA_F

ClientSampleId :

DCW-WW-064-3315DL

Tgt Ion:165 Resp: 8729

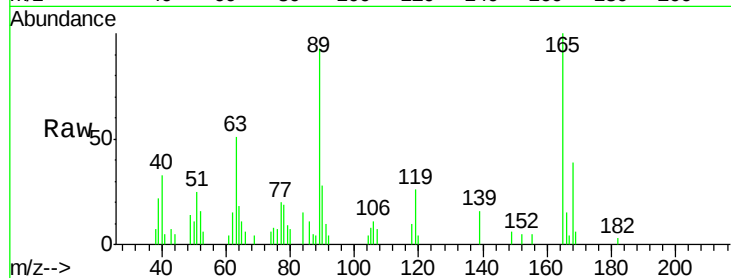
Ion Ratio Lower Upper

165 100

63 51.3 29.8 44.8#

89 93.3 48.5 72.7#

182 3.3 1.9 2.9#

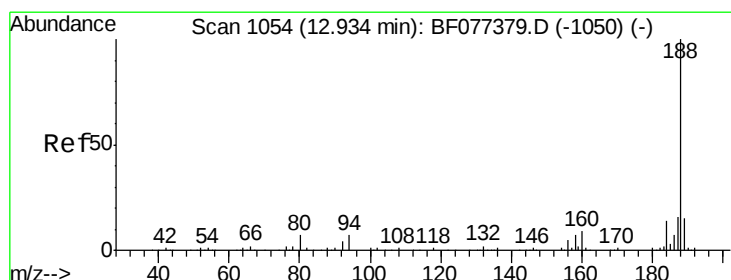
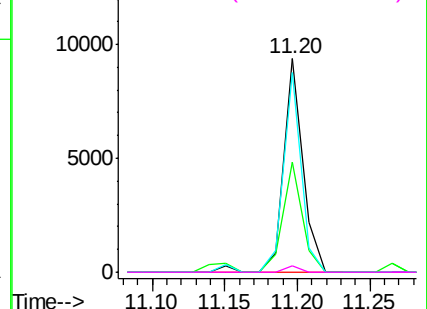
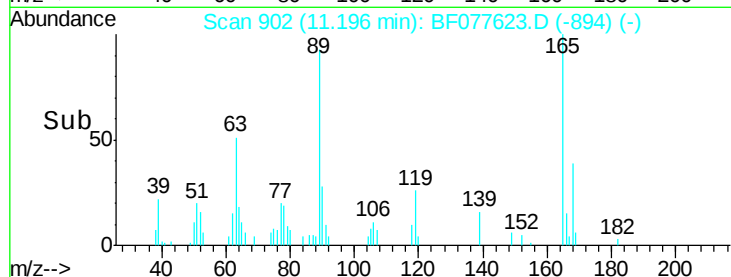


Abundance Ion 165.00 (164.70 to 165.70): E

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: 12.79 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF077623.D

Acq: 6 Mar 2015 15:49

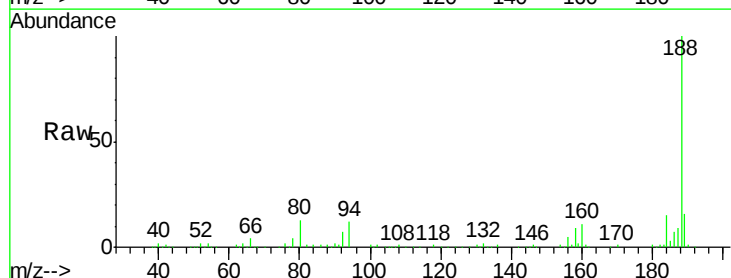
Tgt Ion:188 Resp: 254225

Ion Ratio Lower Upper

188 100

94 11.7 7.4 11.2#

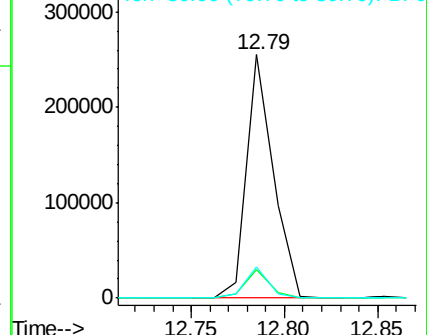
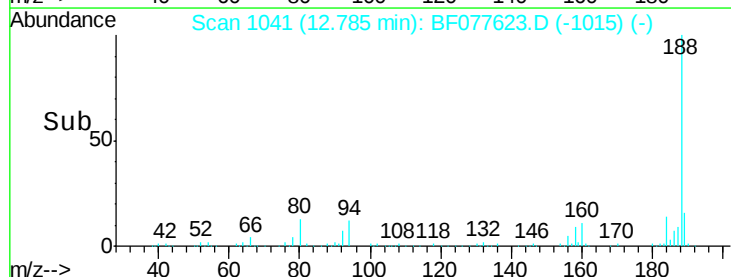
80 12.5 8.0 12.0#

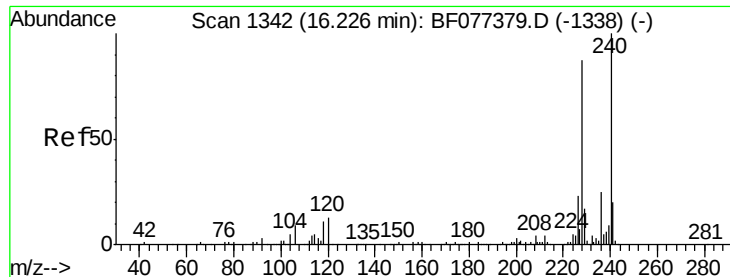


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

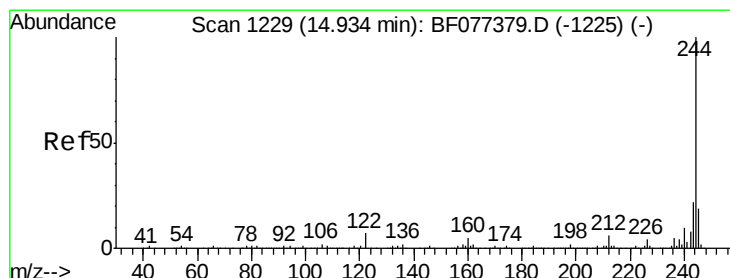
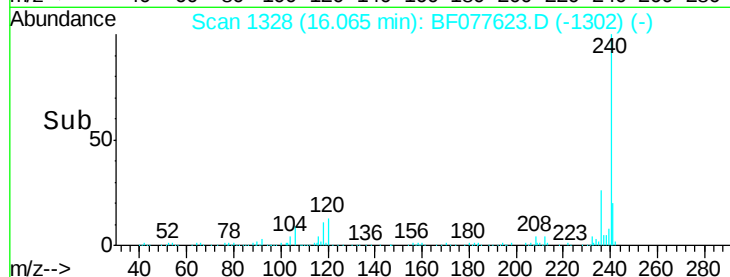
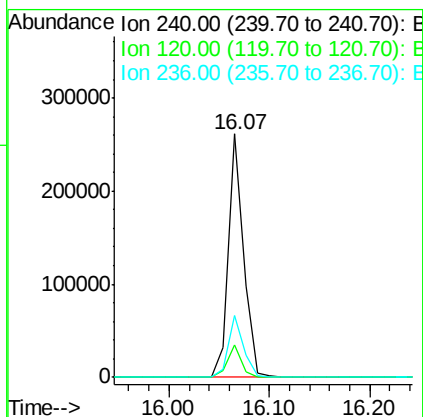
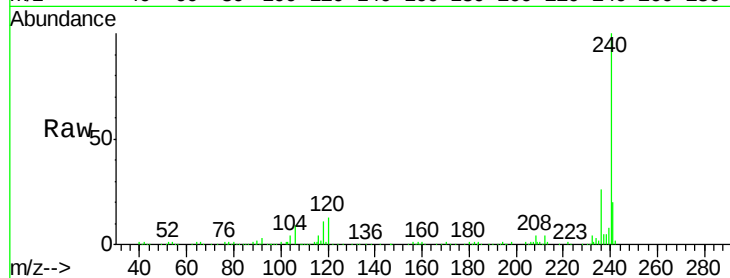




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.07 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

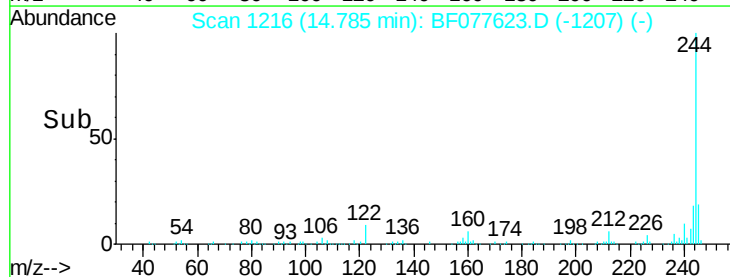
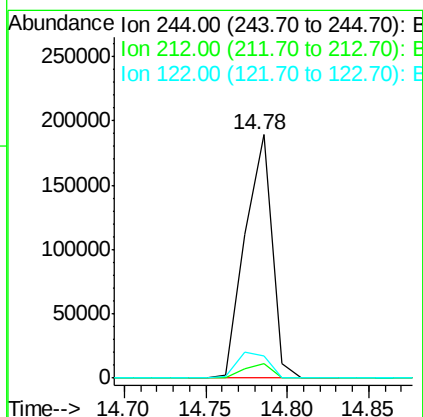
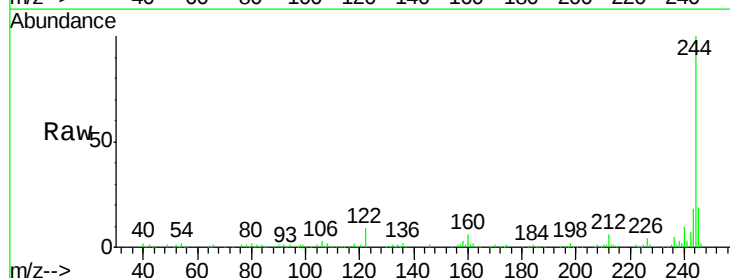
Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315DL

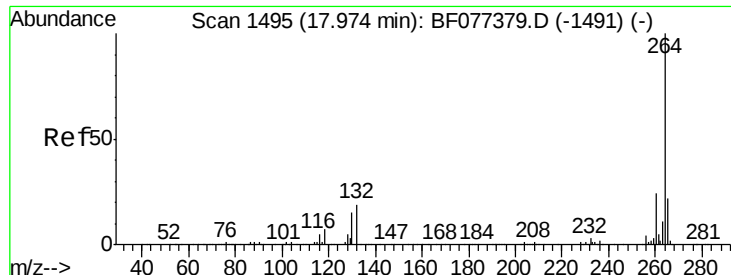
Tgt Ion:240 Resp: 274480
Ion Ratio Lower Upper
240 100
120 13.3 8.8 13.2#
236 25.6 20.7 31.1



#78
Terphenyl-d14
Concen: 18.41 ng
RT: 14.78 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:244 Resp: 216116
Ion Ratio Lower Upper
244 100
212 5.9 5.2 7.8
122 9.1 7.8 11.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1477
Delta R.T. 0.01 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Instrument :
BNA_F
ClientSampleId :
DCW-WW-064-3315DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.1	16.8	25.2

