

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080613.D
 Acq On : 24 Jul 2015 2:01
 Operator : TP/UM
 Sample : G3068-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL3-72215

Quant Time: Jul 24 02:30:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 01:01:51 2015
 Response via : Initial Calibration

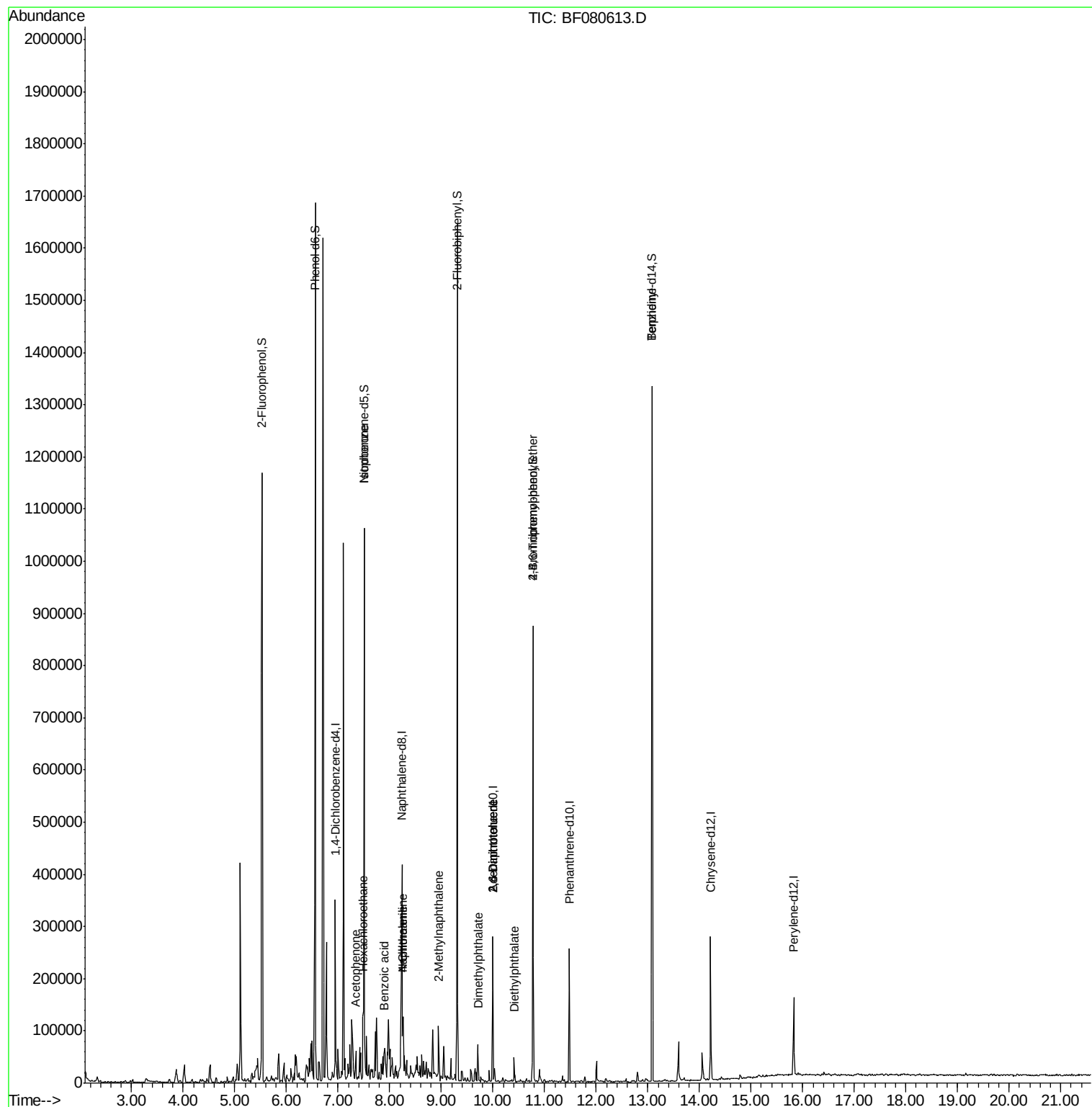
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	40417	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	155787	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	64942	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	117694	20.00	ng	0.00
75) Chrysene-d12	14.21	240	99960	20.00	ng	0.03
86) Perylene-d12	15.83	264	73154	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	323500	138.25	ng	0.01
7) Phenol-d6	6.56	99	409492	143.15	ng	0.00
23) Nitrobenzene-d5	7.50	82	258553	94.04	ng	0.00
41) 2,4,6-Tribromophenol	10.77	330	79464	154.42	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	402366	89.90	ng	0.00
78) Terphenyl-d14	13.08	244	383865	80.36	ng	0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.48	117	6806	6.29	ng	# 1
22) Acetophenone	7.34	105	11519	3.04	ng	# 60
25) Isophorone	7.50	82	242050	47.53	ng	# 67
31) Naphthalene	8.26	128	34955	4.49	ng	# 93
32) Benzoic acid	7.89	122	927	7.99	ng	# 56
33) 4-Chloroaniline	8.26	127	6163	2.02	ng	# 39
37) 2-Methylnaphthalene	8.94	142	27705	6.35	ng	# 96
49) Dimethylphthalate	9.71	163	34372	7.19	ng	# 95
50) 2,6-Dinitrotoluene	10.00	165	8277	9.26	ng	# 13
56) 2,4-Dinitrotoluene	10.00	165	8278	7.39	ng	# 10
59) Diethylphthalate	10.41	149	14584	3.27	ng	# 97
66) 4-Bromophenyl-phenylether	10.77	248	5462	4.57	ng	# 1
76) Benzidine	13.08	184	6189	2.11	ng	# 98

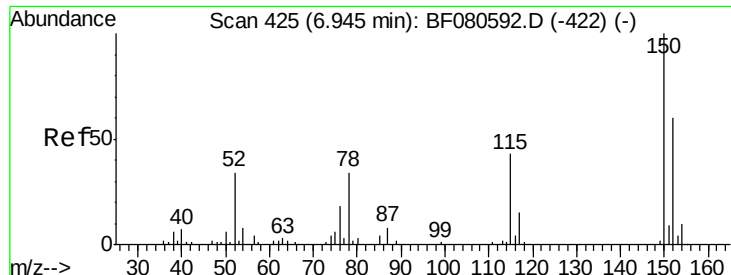
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

WESTWALL3-72215

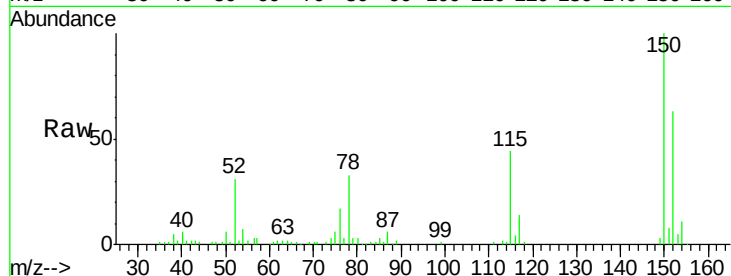
Tgt Ion:152 Resp: 40417

Ion Ratio Lower Upper

152 100

150 159.6 128.7 193.1

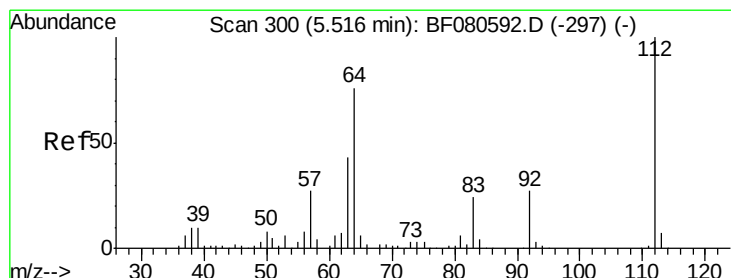
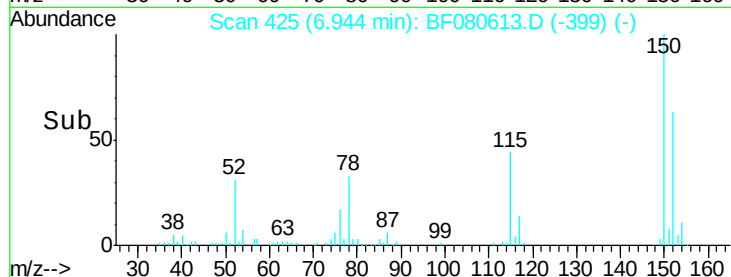
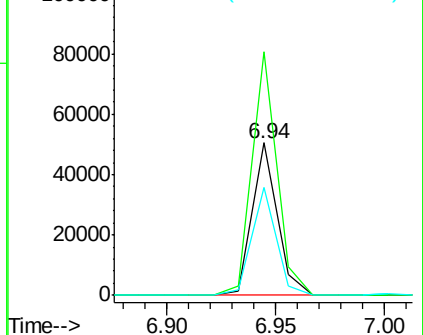
115 70.9 56.8 85.2



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: 138.25 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

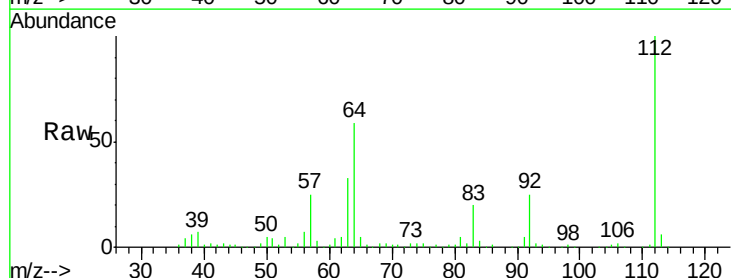
Tgt Ion:112 Resp: 323500

Ion Ratio Lower Upper

112 100

64 58.6 60.2 90.2#

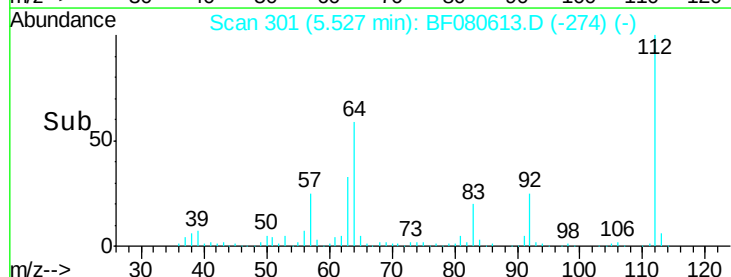
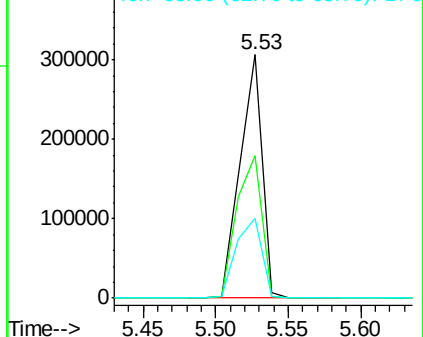
63 33.0 34.8 52.2#

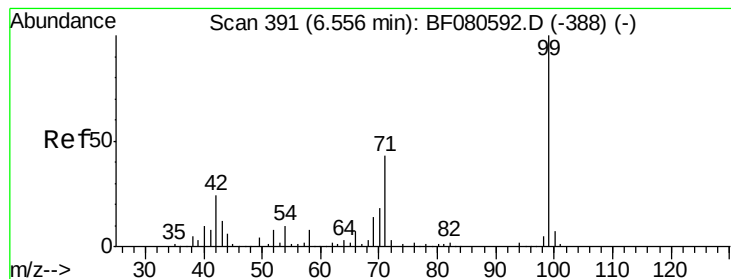


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.15 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

WESTWALL3-72215

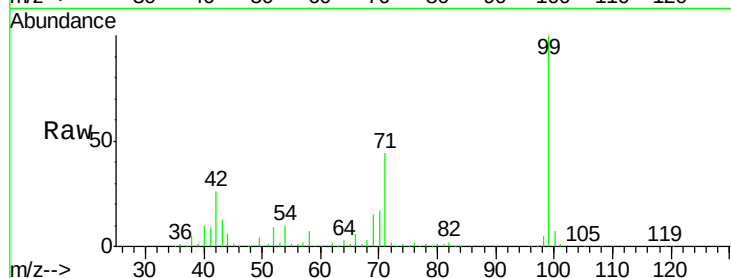
Tgt Ion: 99 Resp: 409492

Ion Ratio Lower Upper

99 100

42 26.5 17.4 26.2#

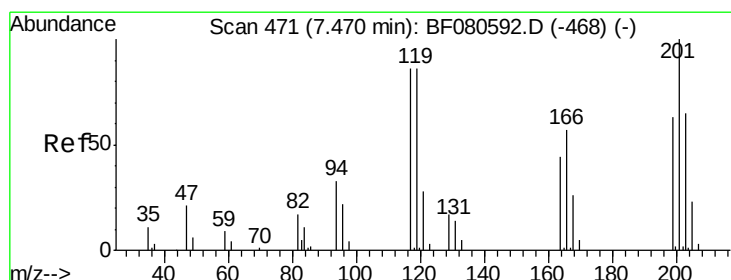
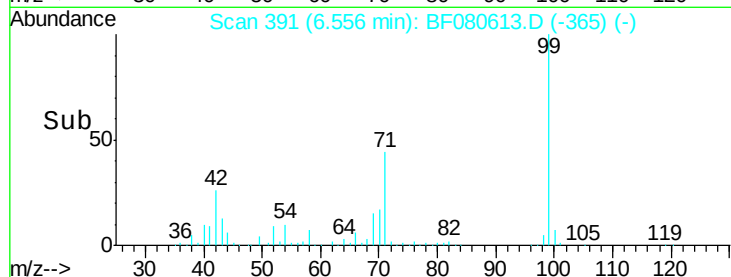
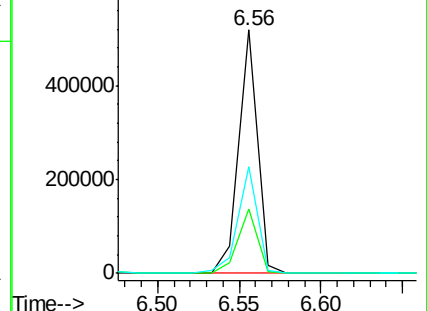
71 43.6 29.0 43.6#



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



#18

Hexachloroethane

Concen: 6.29 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.01 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

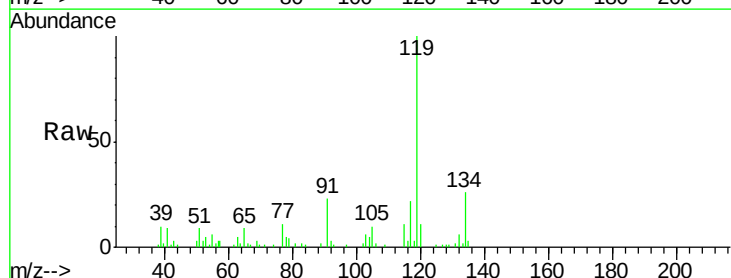
Tgt Ion: 117 Resp: 6806

Ion Ratio Lower Upper

117 100

119 463.7 76.5 114.7#

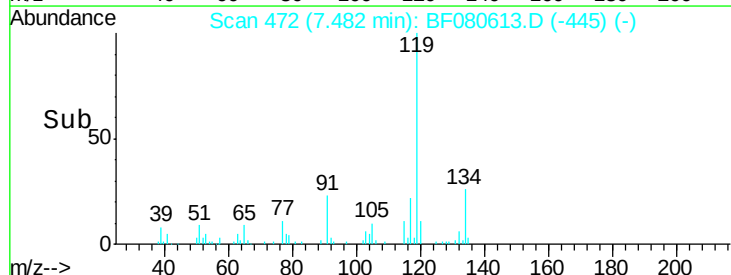
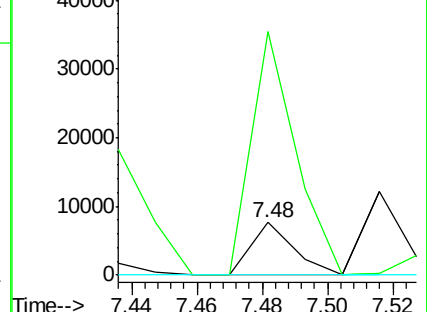
201 0.0 91.6 137.4#

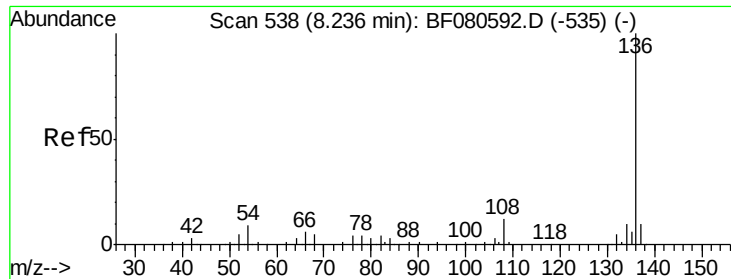


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

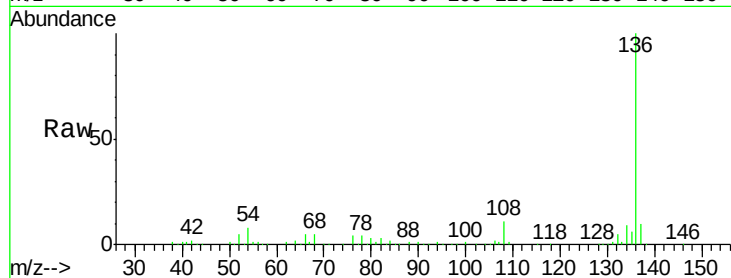




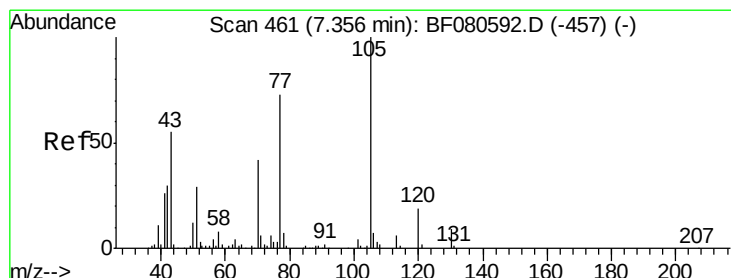
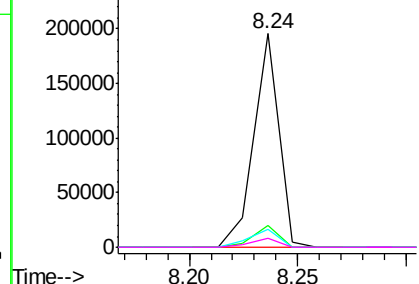
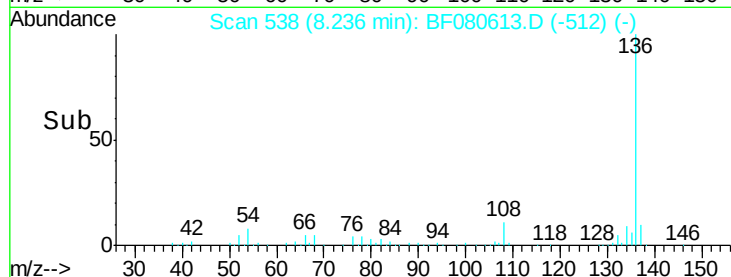
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
WESTWALL3-72215

Tgt Ion:	136	Resp:	155787
Ion	Ratio	Lower	Upper
136	100		
137	10.5	7.8	11.8
54	8.4	7.2	10.8
68	4.5	3.8	5.6

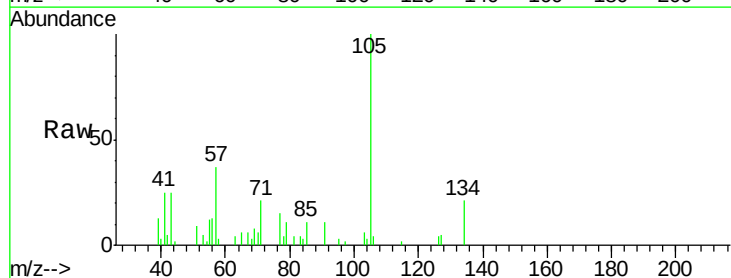


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

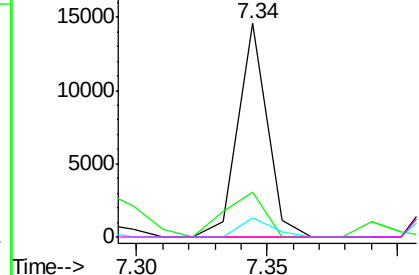
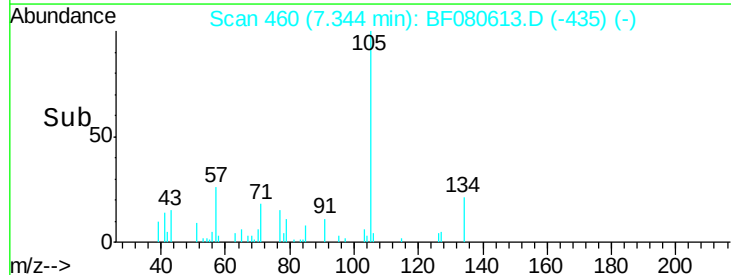


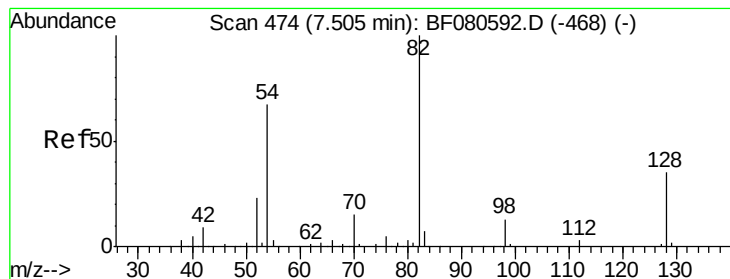
#22
Acetophenone
Concen: 3.04 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Tgt Ion:	105	Resp:	11519
Ion	Ratio	Lower	Upper
105	100		
71	21.0	5.5	8.3#
51	9.0	23.0	34.4#
120	0.0	15.8	23.8#



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: 94.04 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

WESTWALL3-72215

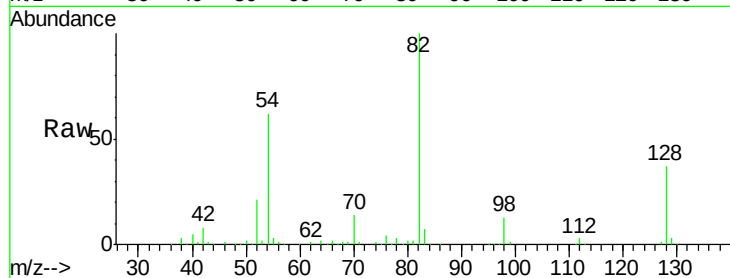
Tgt Ion: 82 Resp: 258553

Ion Ratio Lower Upper

82 100

128 37.3 28.9 43.3

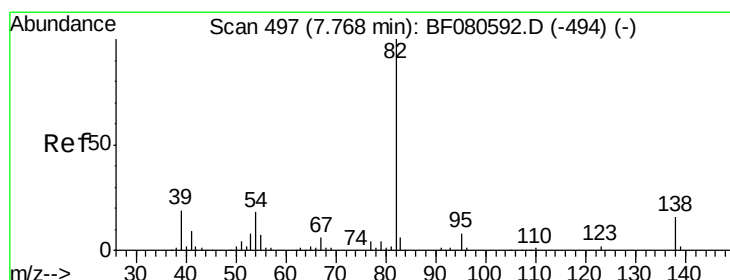
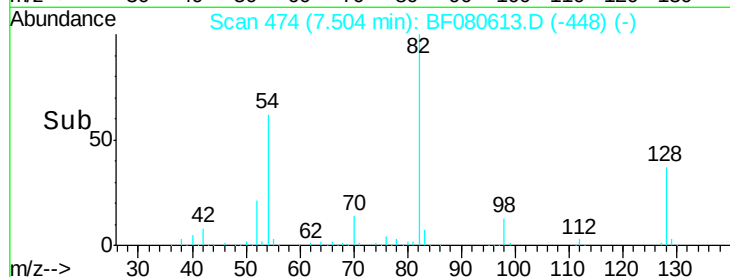
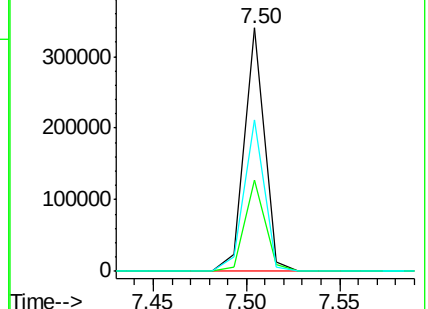
54 62.3 54.5 81.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 47.53 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.26 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

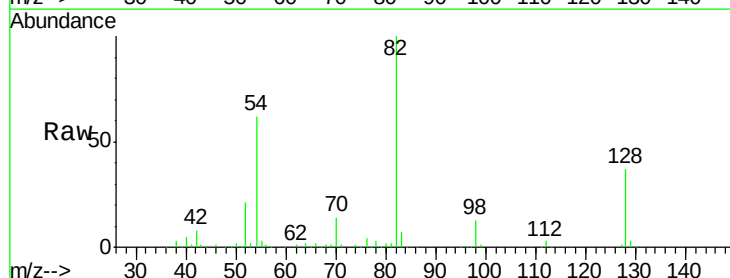
Tgt Ion: 82 Resp: 242050

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

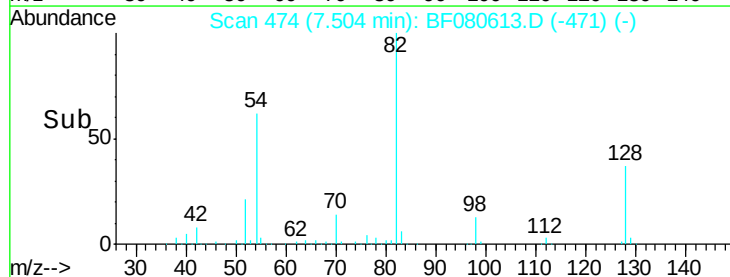
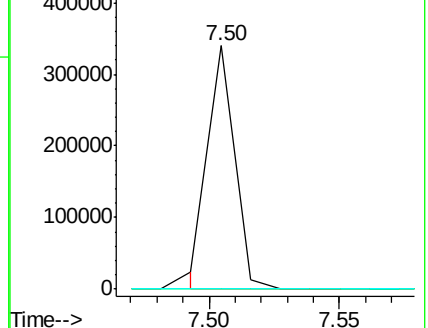
138 0.0 13.4 20.2#

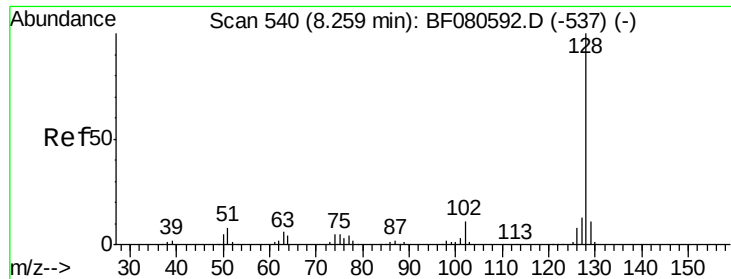


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

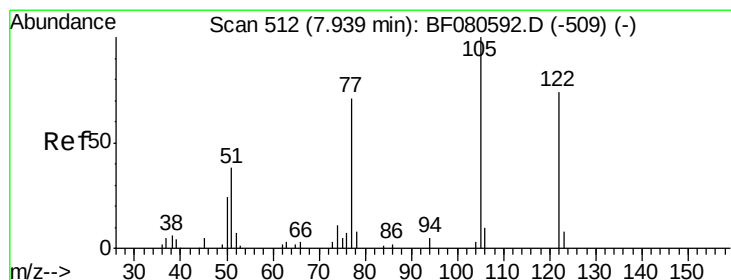
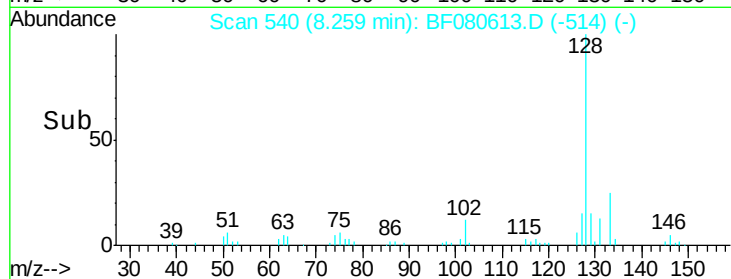
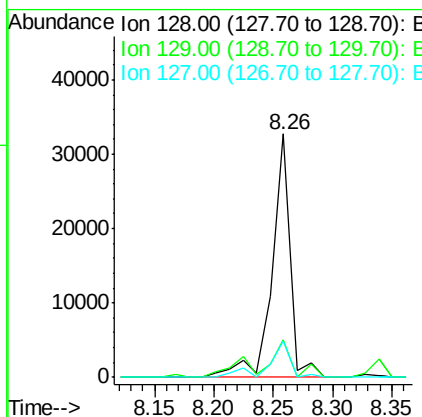
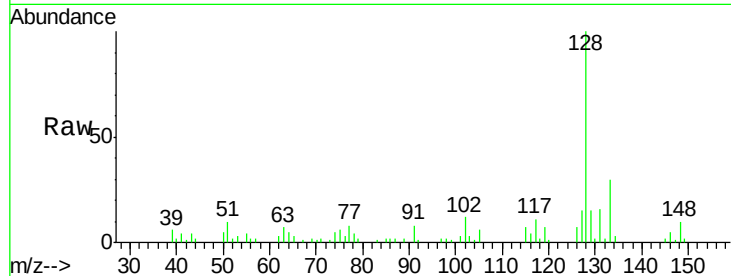




#31
Naphthalene
Concen: 4.49 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

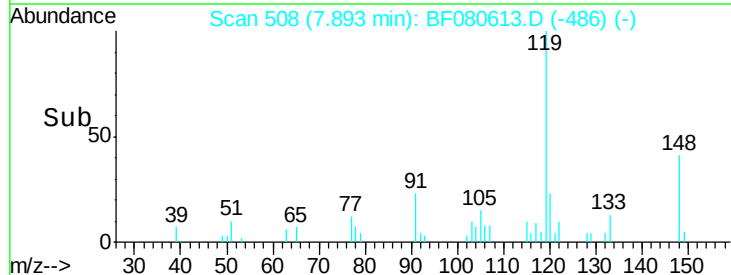
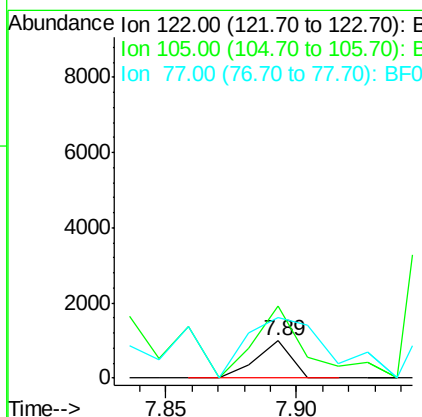
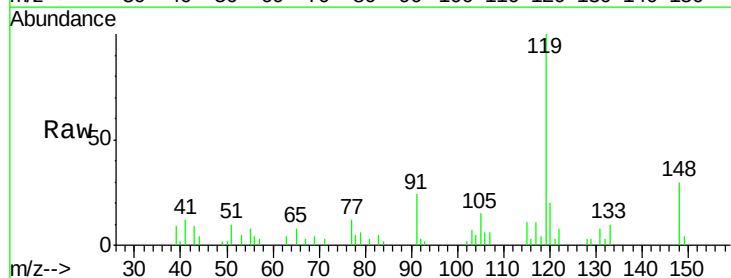
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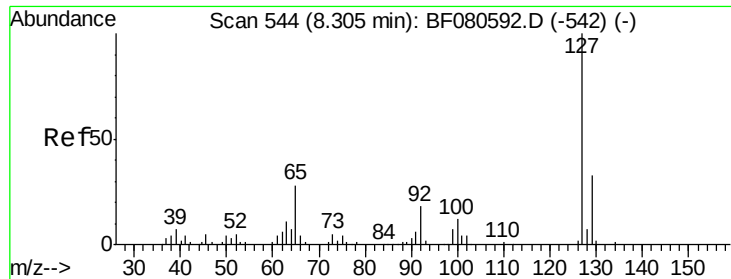
Tgt Ion:128 Resp: 34955
Ion Ratio Lower Upper
128 100
129 15.2 8.6 13.0#
127 14.9 10.7 16.1



#32
Benzoic acid
Concen: 7.99 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.05 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Tgt Ion:122 Resp: 927
Ion Ratio Lower Upper
122 100
105 192.4 112.5 152.5#
77 162.5 102.5 142.5#

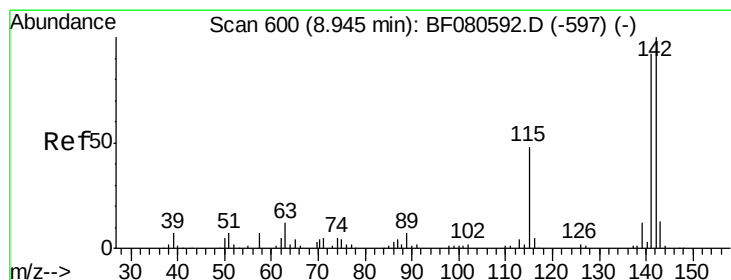
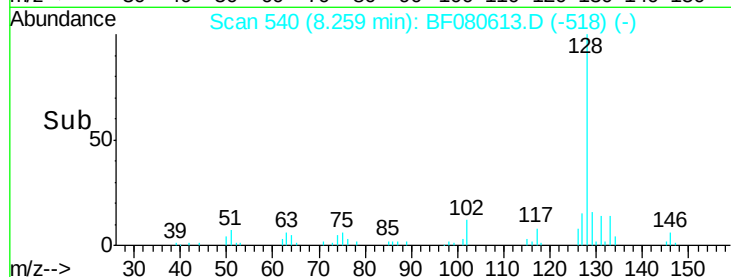
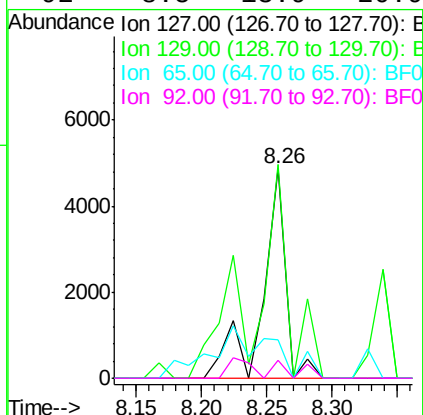
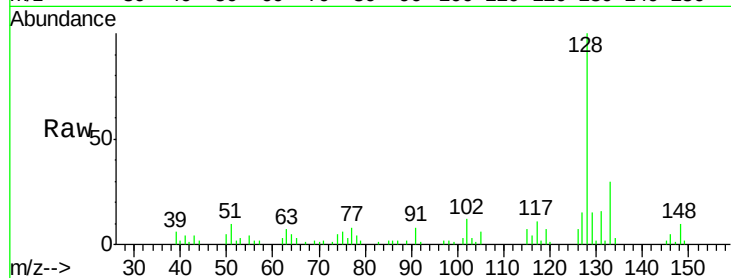




#33
 4-Chloroaniline
 Concen: 2.02 ng
 RT: 8.26 min Scan# 540
 Delta R.T. -0.05 min
 Lab File: BF080613.D
 Acq: 24 Jul 2015 2:01

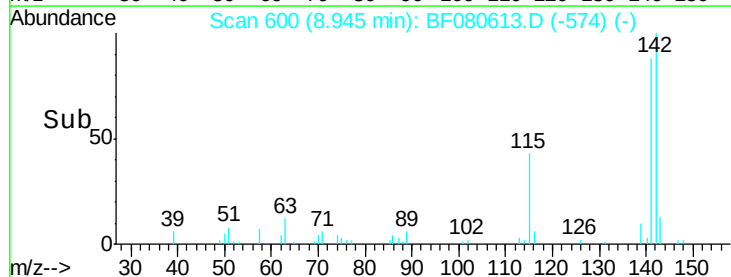
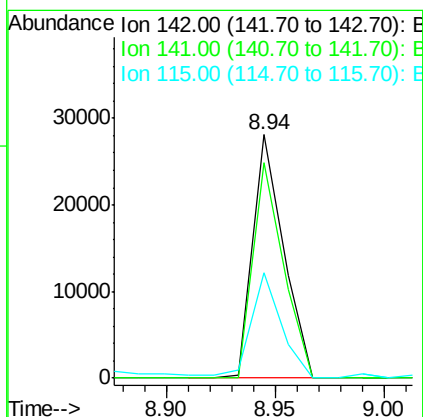
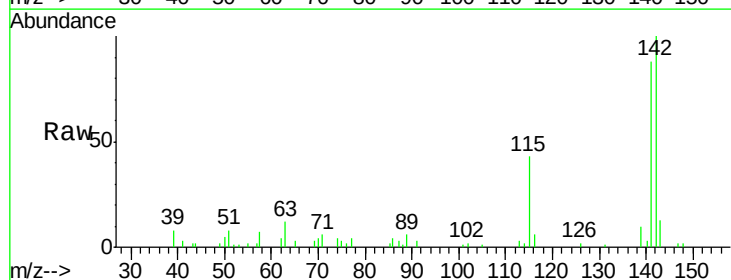
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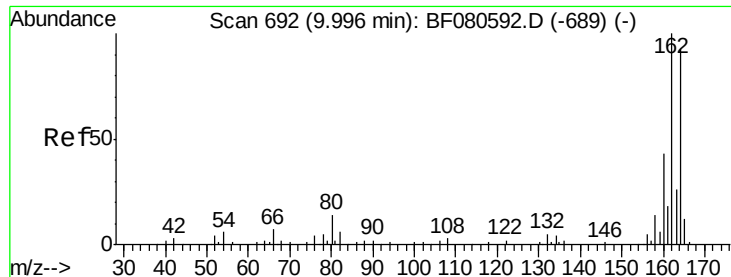
Tgt Ion:	127	Resp:	6163
Ion	Ratio	Lower	Upper
127	100		
129	101.9	27.8	41.6#
65	18.2	21.2	31.8#
92	8.5	13.9	20.9#



#37
 2-Methylnaphthalene
 Concen: 6.35 ng
 RT: 8.94 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF080613.D
 Acq: 24 Jul 2015 2:01

Tgt Ion:	142	Resp:	27705
Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.6	109.0
115	43.3	38.2	57.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

WESTWALL3-72215

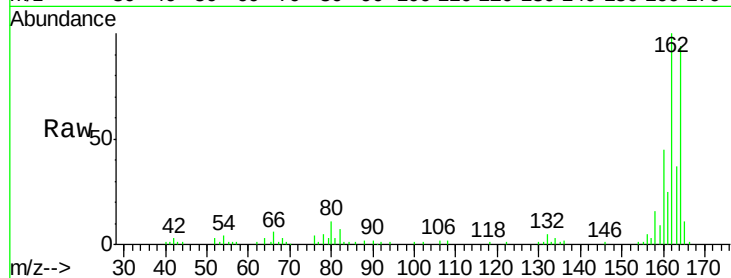
Tgt Ion:164 Resp: 64942

Ion Ratio Lower Upper

164 100

162 106.2 82.2 123.4

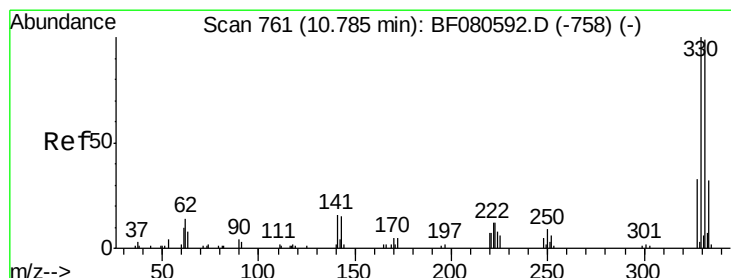
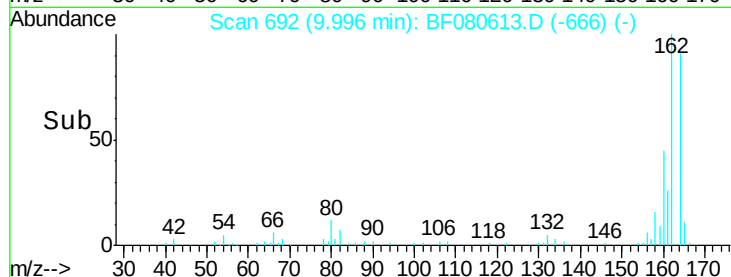
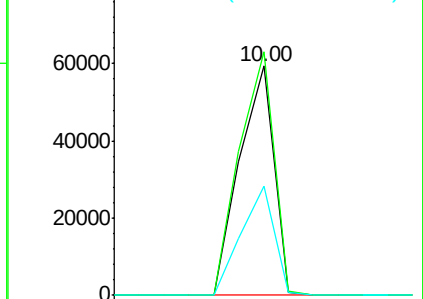
160 47.7 36.1 54.1



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: 154.42 ng

RT: 10.77 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

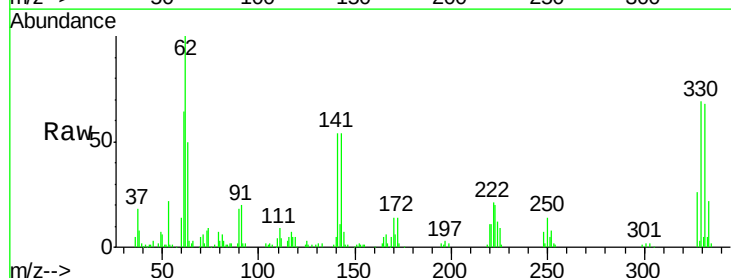
Tgt Ion:330 Resp: 79464

Ion Ratio Lower Upper

330 100

332 97.1 78.3 117.5

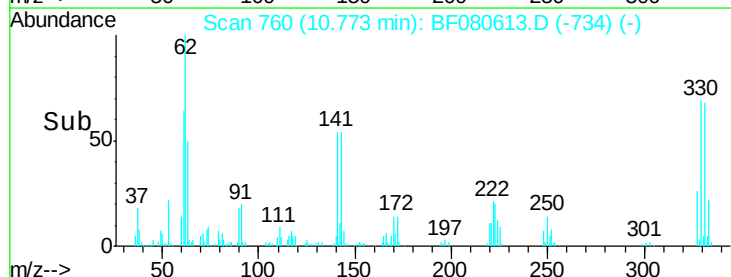
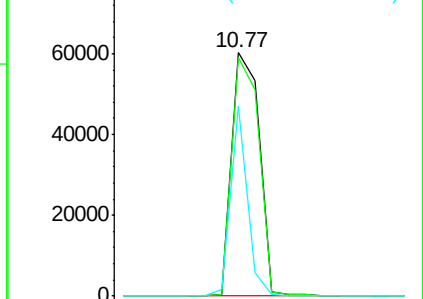
141 47.5 37.9 56.9

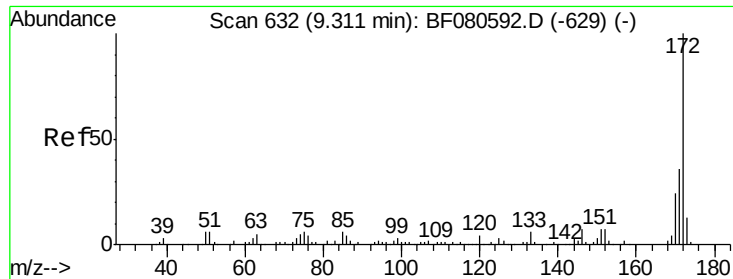


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

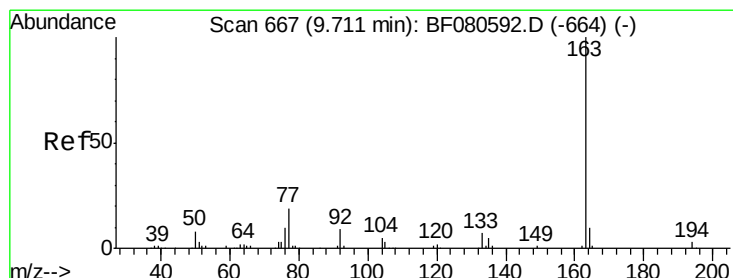
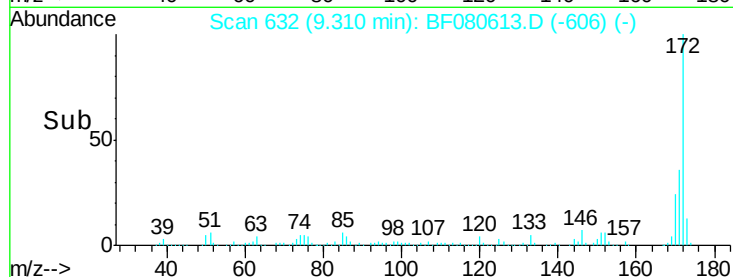
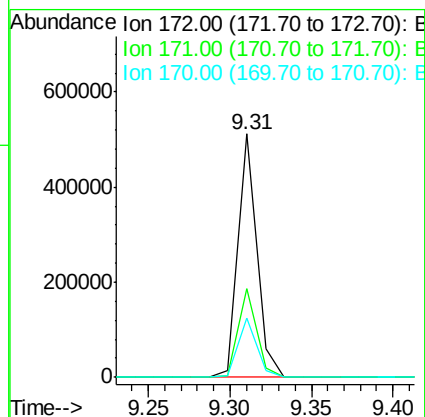
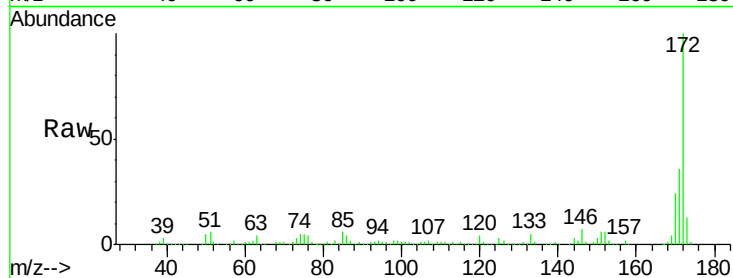




#44
2-Fluorobiphenyl
Concen: 89.90 ng
RT: 9.31 min Scan# 632
Delta R.T. 0.00 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

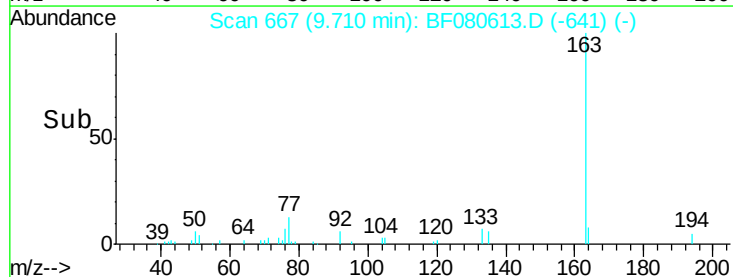
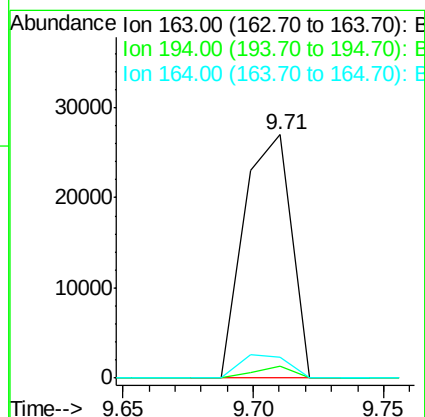
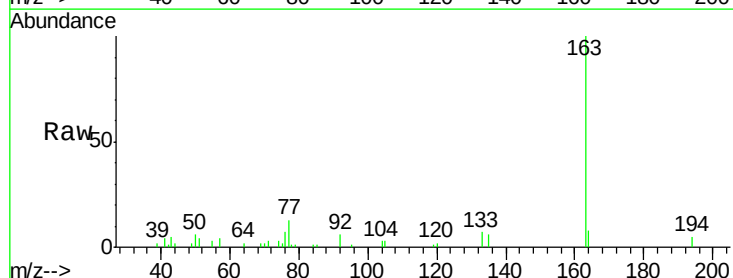
Instrument :
BNA_F
ClientSampleId :
WESTWALL3-72215

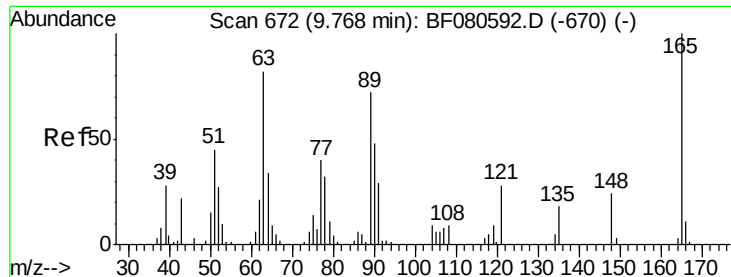
Tgt Ion:172 Resp: 402366
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 24.3 19.1 28.7



#49
Dimethylphthalate
Concen: 7.19 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Tgt Ion:163 Resp: 34372
Ion Ratio Lower Upper
163 100
194 4.6 2.5 3.7#
164 8.3 8.1 12.1

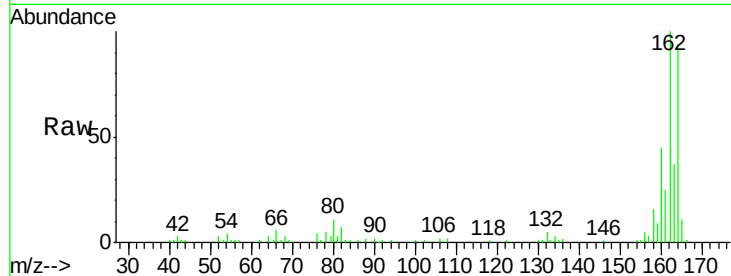




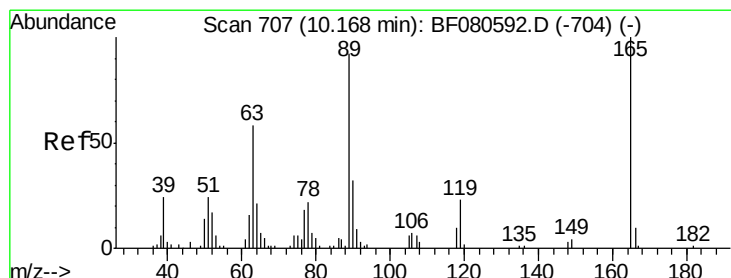
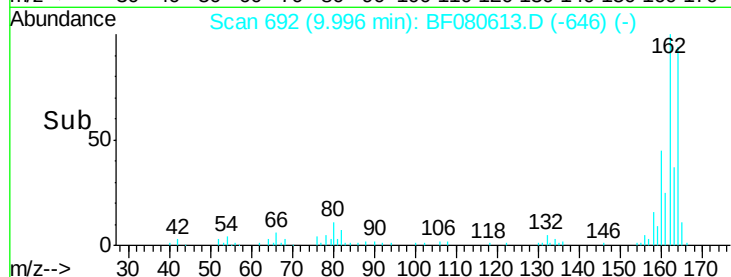
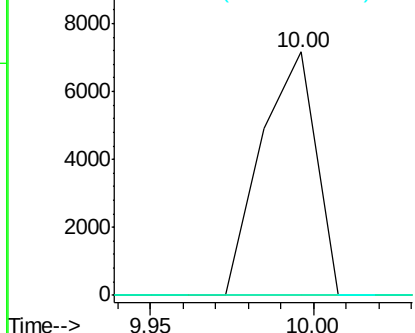
#50
 2,6-Dinitrotoluene
 Concen: 9.26 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.23 min
 Lab File: BF080613.D
 Acq: 24 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL3-72215

Tgt Ion:165 Resp: 8277
 Ion Ratio Lower Upper
 165 100
 63 0.0 59.0 88.6#
 89 0.0 56.9 85.3#

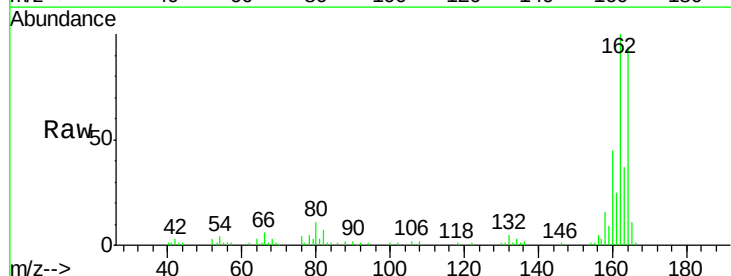


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

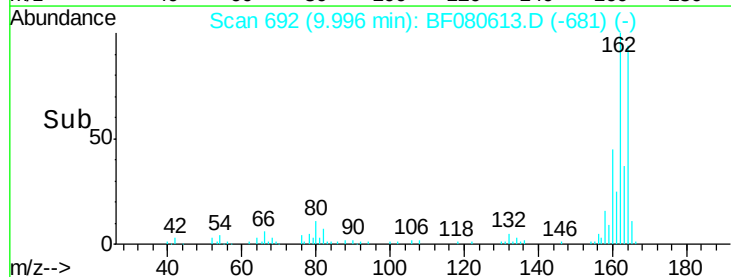
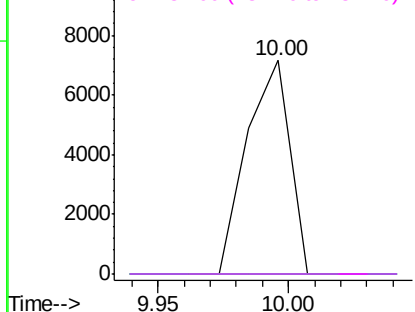


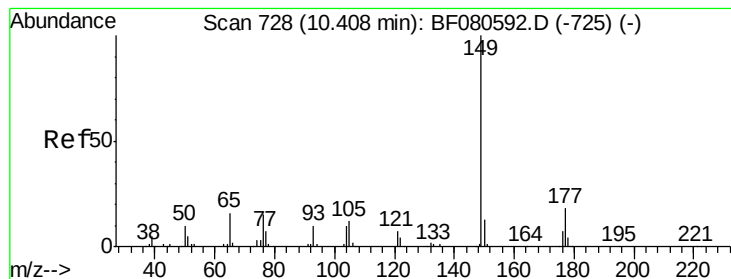
#56
 2,4-Dinitrotoluene
 Concen: 7.39 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.17 min
 Lab File: BF080613.D
 Acq: 24 Jul 2015 2:01

Tgt Ion:165 Resp: 8278
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.1 72.1#
 89 0.0 77.4 116.0#
 182 0.0 1.3 1.9#



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





#59

Diethylphthalate

Concen: 3.27 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

WESTWALL3-72215

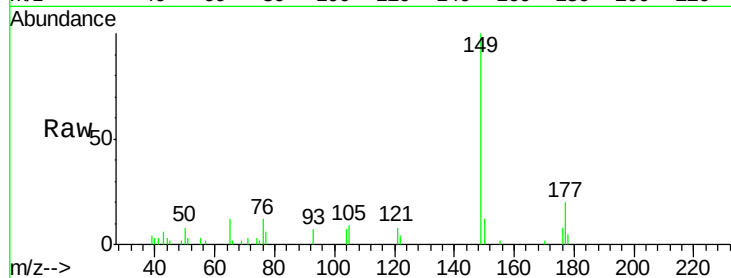
Tgt Ion:149 Resp: 14584

Ion Ratio Lower Upper

149 100

177 20.2 14.9 22.3

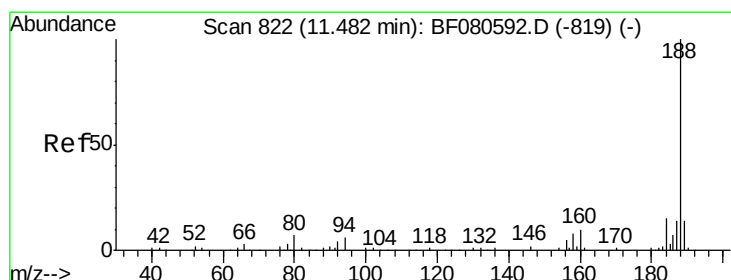
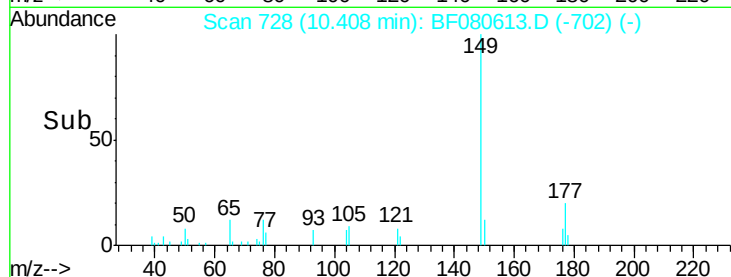
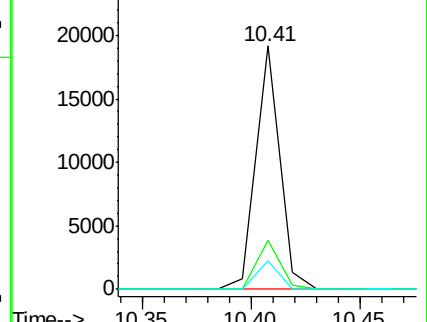
150 11.7 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF080613.D

Acq: 24 Jul 2015 2:01

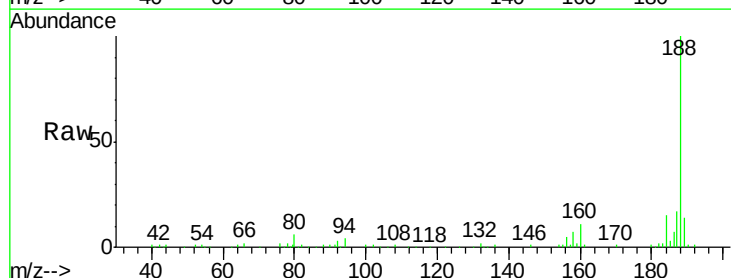
Tgt Ion:188 Resp: 117694

Ion Ratio Lower Upper

188 100

94 4.5 6.1 9.1#

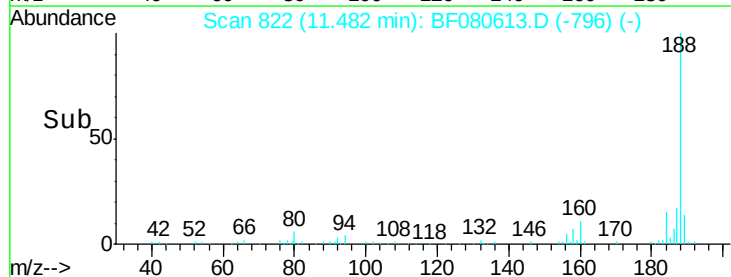
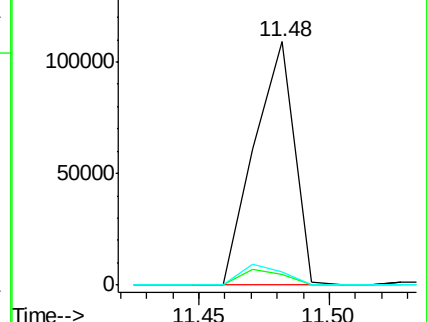
80 5.5 7.0 10.6#

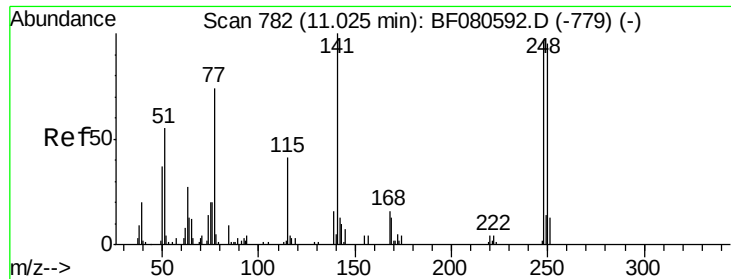


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

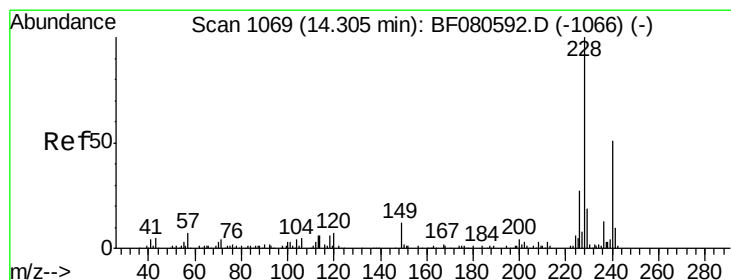
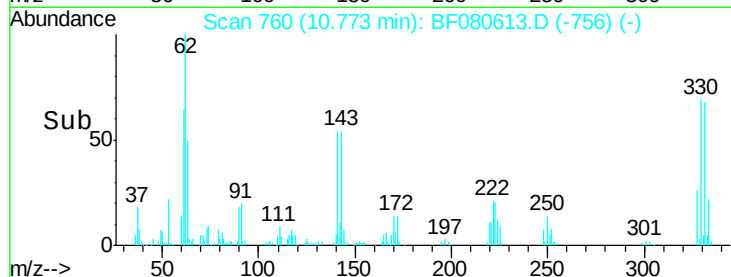
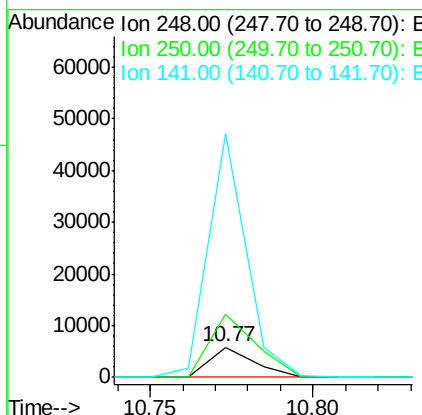
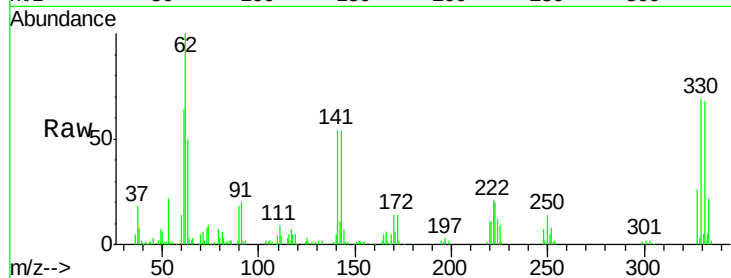




#66
4-Bromophenyl-phenylether
Concen: 4.57 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.25 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

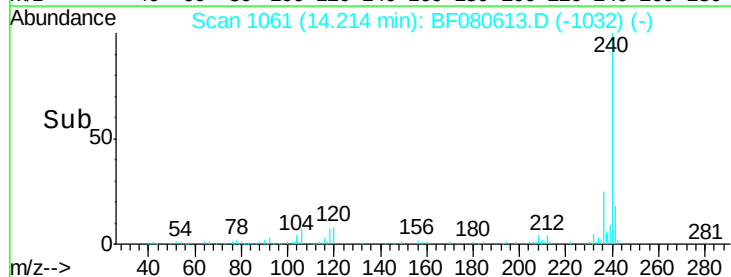
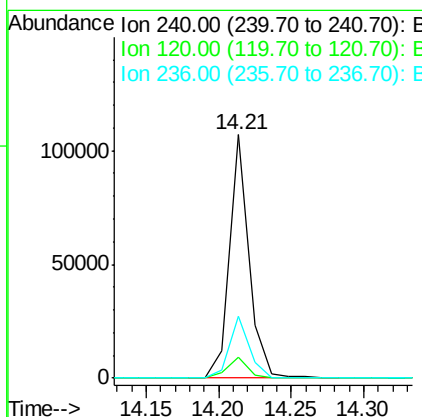
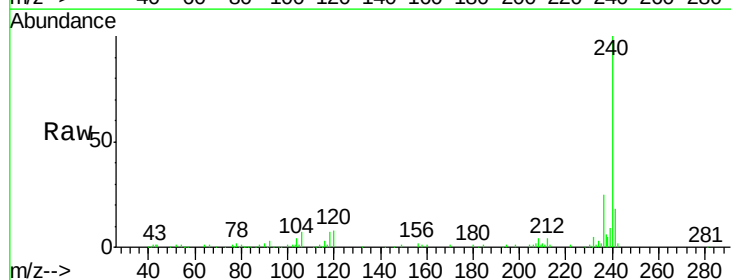
Instrument :
BNA_F
ClientSampleId :
WESTWALL3-72215

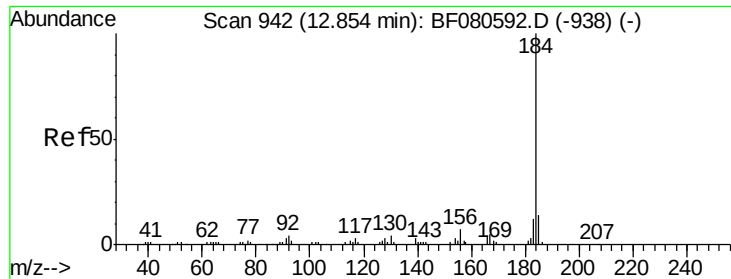
Tgt Ion:248 Resp: 5462
Ion Ratio Lower Upper
248 100
250 212.0 75.4 113.2#
141 814.4 93.4 140.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.21 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Tgt Ion:240 Resp: 99960
Ion Ratio Lower Upper
240 100
120 8.4 9.9 14.9#
236 25.2 19.1 28.7

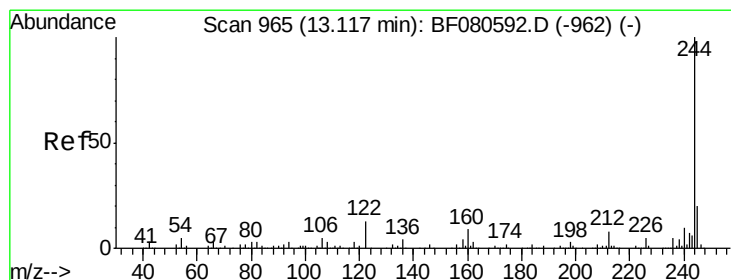
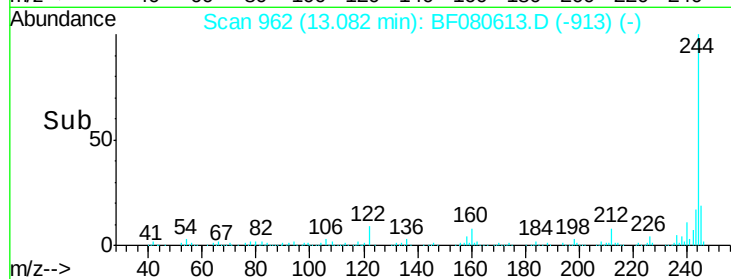
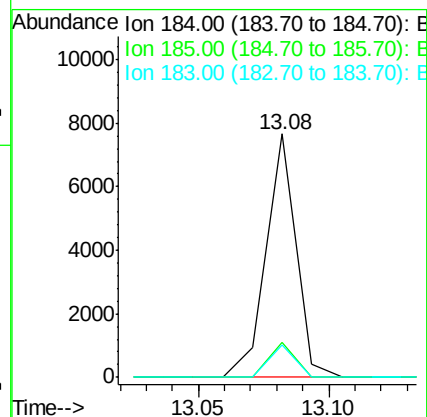
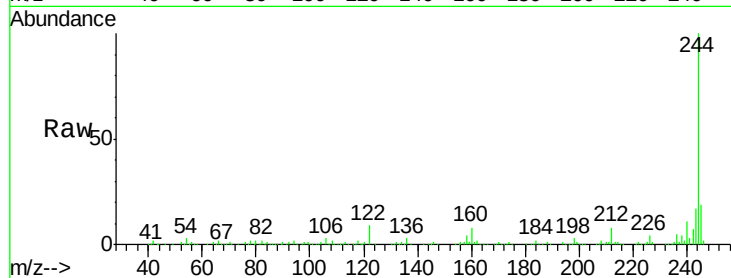




#76
Benzidine
Concen: 2.11 ng
RT: 13.08 min Scan# 962
Delta R.T. 0.26 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

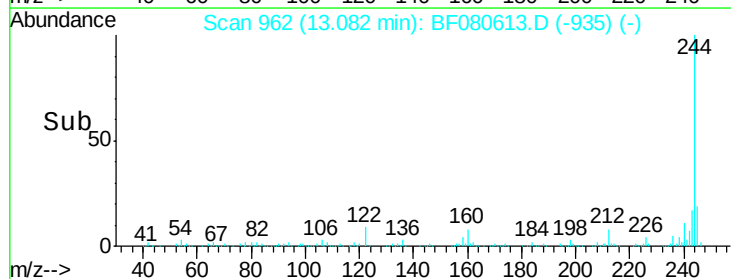
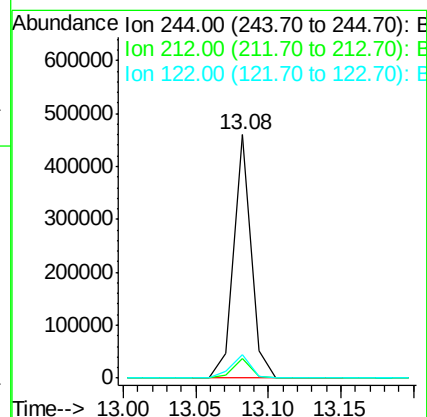
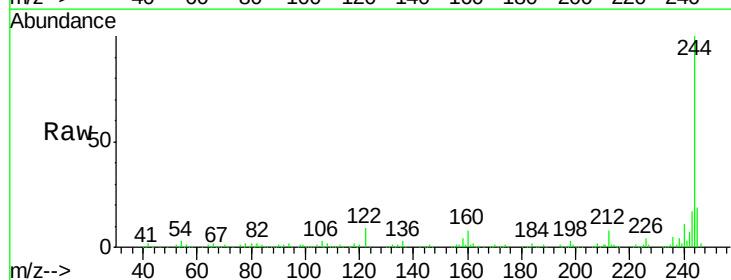
Instrument :
BNA_F
ClientSampleId :
WESTWALL3-72215

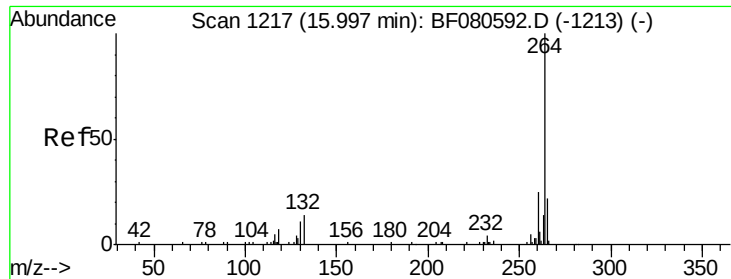
Tgt Ion:184 Resp: 6189
Ion Ratio Lower Upper
184 100
185 14.4 11.2 16.8
183 13.5 9.6 14.4



#78
Terphenyl-d14
Concen: 80.36 ng
RT: 13.08 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Tgt Ion:244 Resp: 383865
Ion Ratio Lower Upper
244 100
212 8.3 6.0 9.0
122 9.4 8.2 12.2

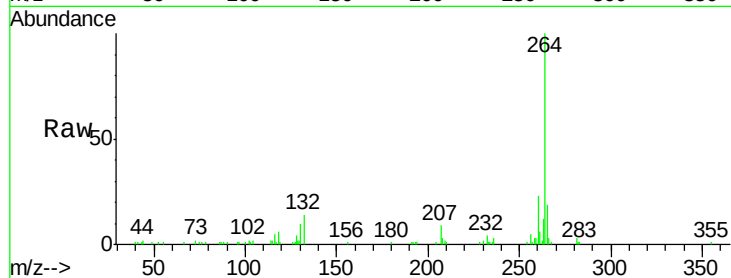




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.83 min Scan# 1202
Delta R.T. 0.08 min
Lab File: BF080613.D
Acq: 24 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
WESTWALL3-72215

Tgt Ion: 264 Resp: 73154
Ion Ratio Lower Upper
264 100
260 22.8 17.8 26.8
265 19.3 15.6 23.4



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

