

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
 Data File : BF087208.D
 Acq On : 20 May 2016 3:15
 Operator : UM/SJ
 Sample : H3121-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

Quant Time: May 20 09:56:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:47:59 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

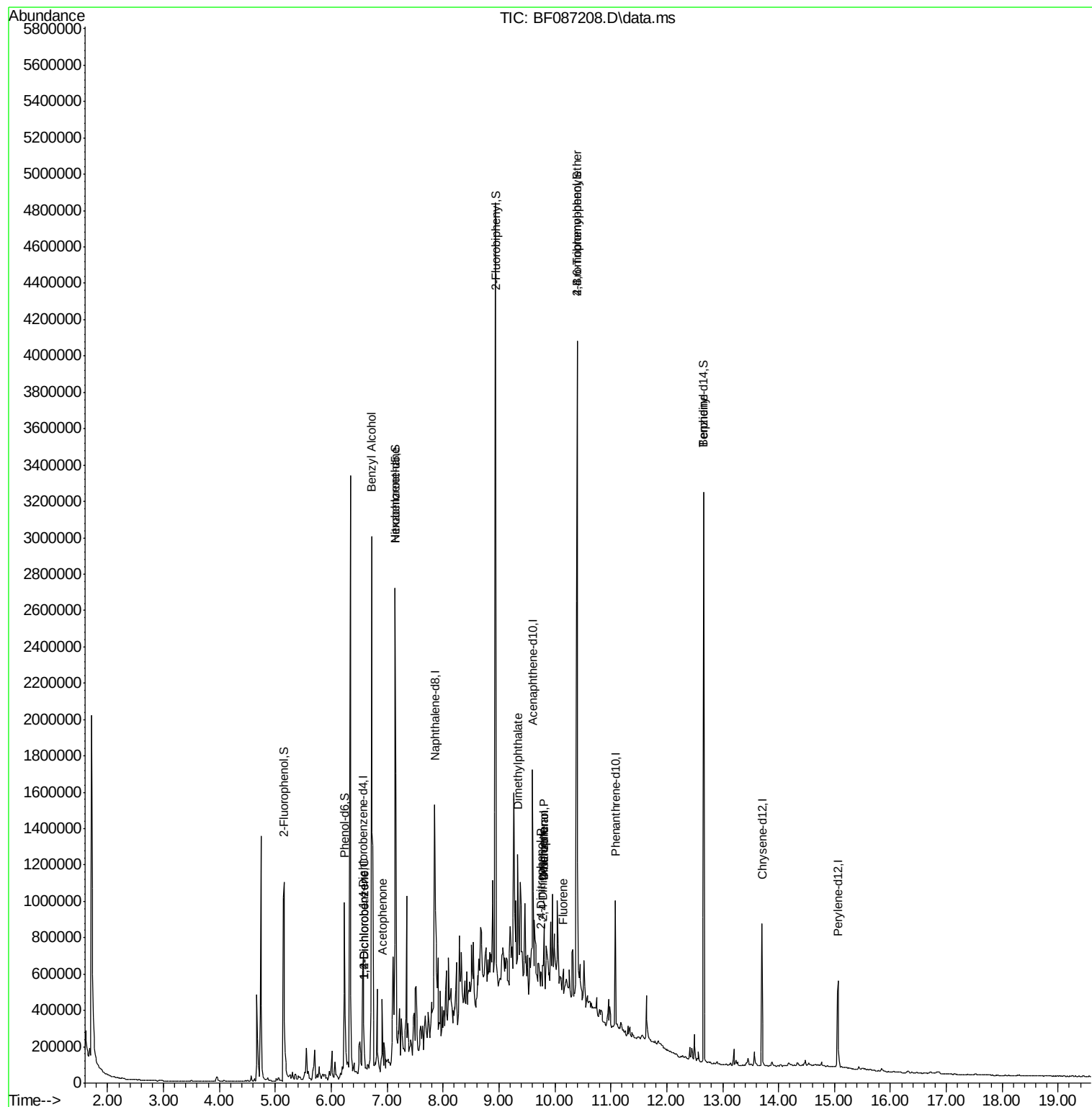
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.570	152	124906	20.00	ng	-0.03
21) Naphthalene-d8	7.850	136	475683	20.00	ng	-0.05
38) Acenaphthene-d10	9.599	164	210679	20.00	ng	-0.05
63) Phenanthrene-d10	11.085	188	363998	20.00	ng	-0.03
75) Chrysene-d12	13.702	240	258199	20.00	ng	-0.06
86) Perylene-d12	15.063	264	248549	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.153	112	478863	32.22	ng	-0.05
7) Phenol-d6	6.239	99	441008	22.12	ng	-0.05
23) Nitrobenzene-d5	7.142	82	849395	44.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.399	330	332371	71.38	ng	-0.05
44) 2-Fluorobiphenyl	8.936	172	1250443	49.15	ng	-0.05
78) Terphenyl-d14	12.662	244	887038	38.86	ng	-0.05
Target Compounds						
						Qvalue
13) 1,4-Dichlorobenzene	6.582	146	36112	3.67	ng	# 90
14) 1,2-Dichlorobenzene	6.582	146	36112	4.19	ng	# 95
15) Benzyl Alcohol	6.719	79	18109	2.44	ng	# 42
18) Hexachloroethane	7.142	117	226719	60.31	ng	# 13
22) Acetophenone	6.913	105	64418	5.53	ng	# 67
49) Dimethylphthalate	9.336	163	93763	5.83	ng	# 95
53) 2,4-Dinitrophenol	9.759	184	1910	5.64	ng	# 51
54) Dibenzofuran	9.805	168	34992	2.12	ng	# 57
55) 4-Nitrophenol	9.805	139	18408	14.97	ng	# 64
56) 2,4-Dinitrotoluene	9.782	165	9423	2.11	ng	# 62
57) Fluorene	10.148	166	30877	2.32	ng	# 91
66) 4-Bromophenyl-phenylether	10.399	248	21023	5.62	ng	# 1
76) Benzidine	12.662	184	14386	2.44	ng	# 92

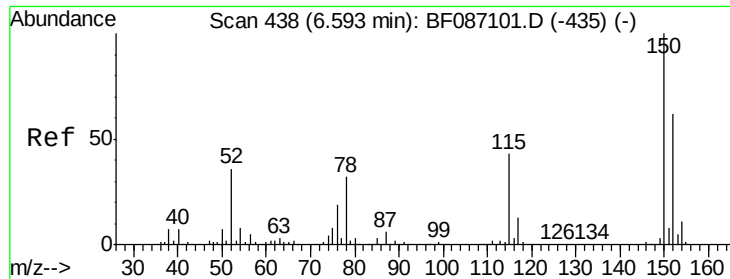
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.570 min Scan# 43

Delta R.T. -0.034 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

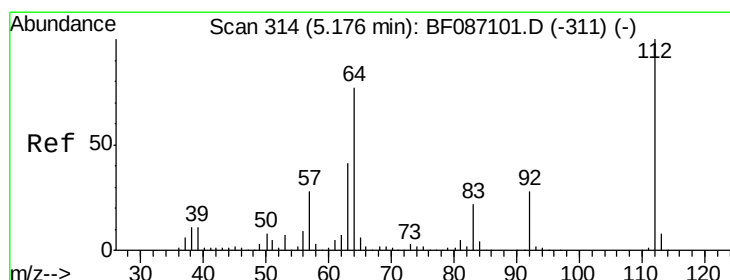
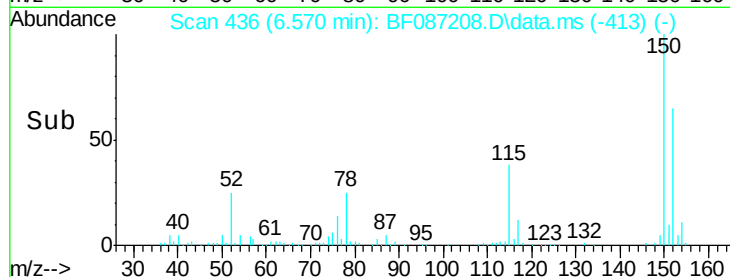
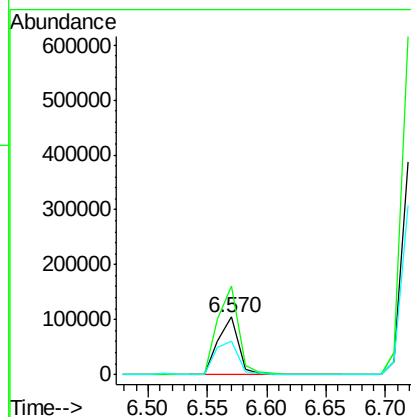
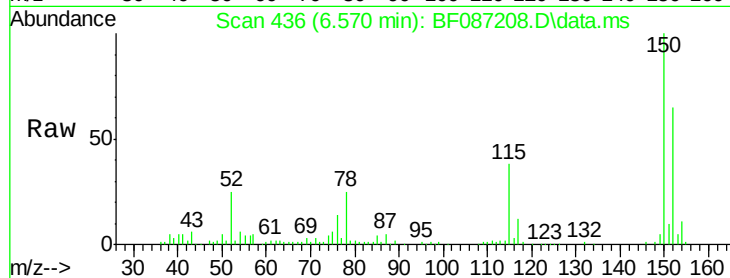
Tot Ion:152 Resp: 124906

Ion Ratio Lower Upper

152 100

150 154.4 125.8 188.6

115 57.9 51.5 77.3



#5

2-Fluorophenol

Concen: 32.22 ng

RT: 5.153 min Scan# 312

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

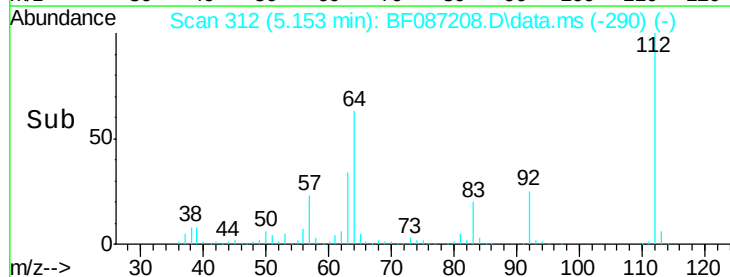
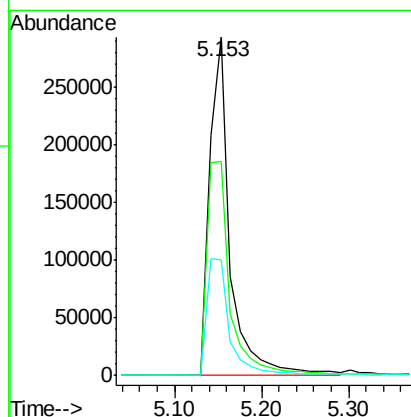
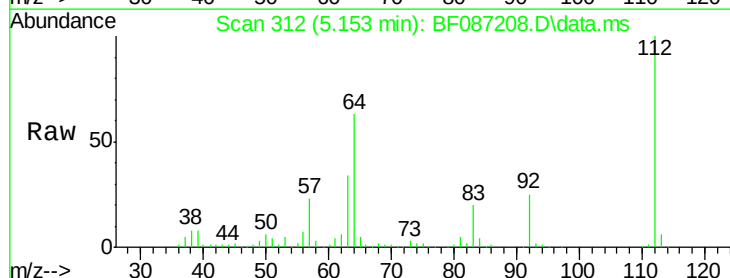
Tgt Ion:112 Resp: 478863

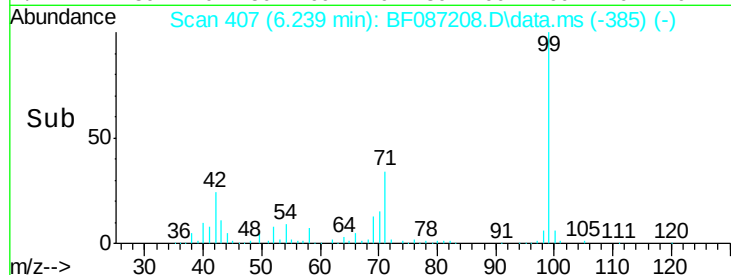
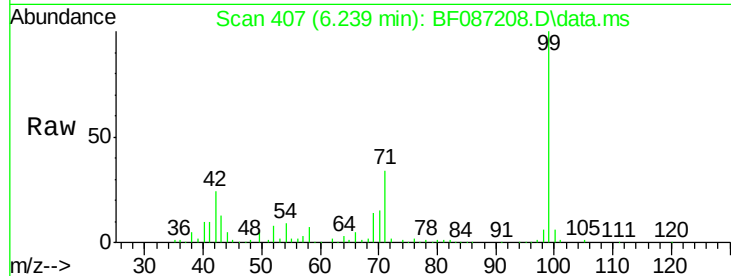
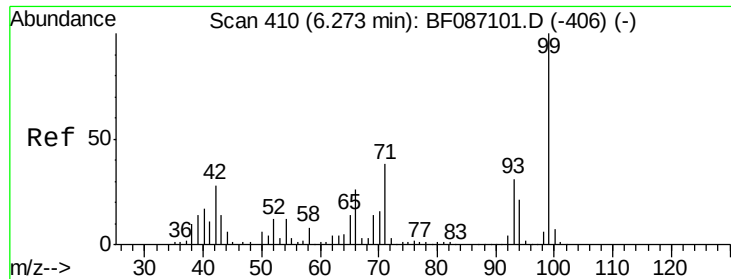
Ion Ratio Lower Upper

112 100

64 63.1 52.1 78.1

63 34.0 25.7 38.5





#7

Phenol-d6

Concen: 22.12 ng

RT: 6.239 min Scan# 40

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

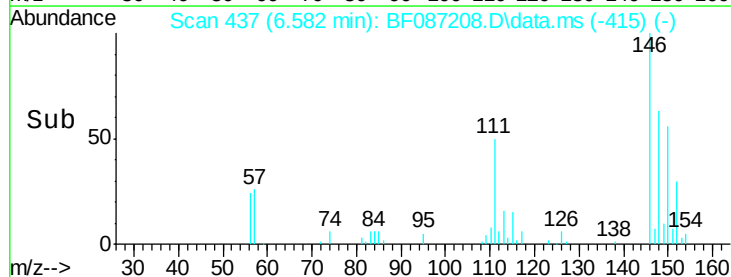
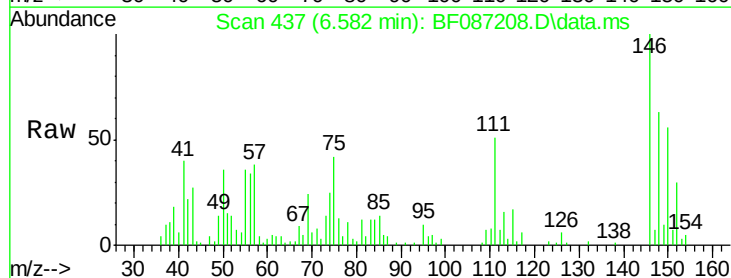
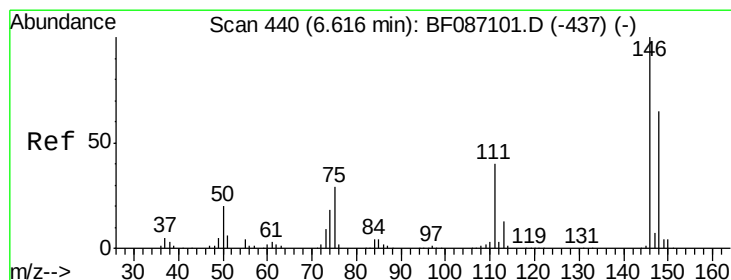
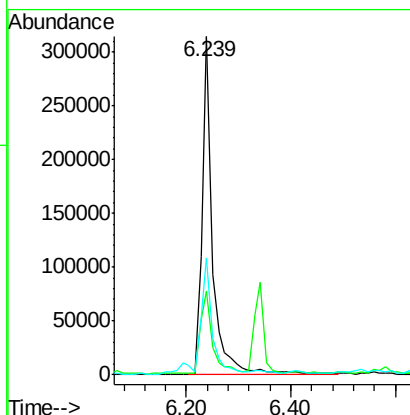
Tot Ion: 99 Resp: 441008

Ion Ratio Lower Upper

99 100

42 24.5 13.6 20.4#

71 34.5 24.6 36.8



#13

1,4-Dichlorobenzene

Concen: 3.67 ng

RT: 6.582 min Scan# 437

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

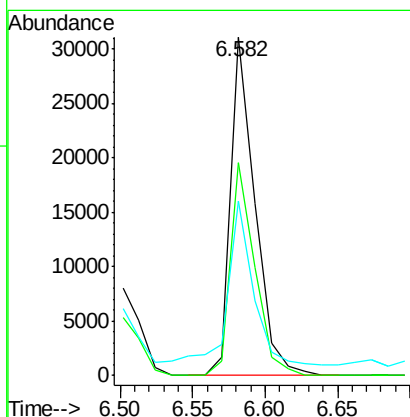
Tgt Ion: 146 Resp: 36112

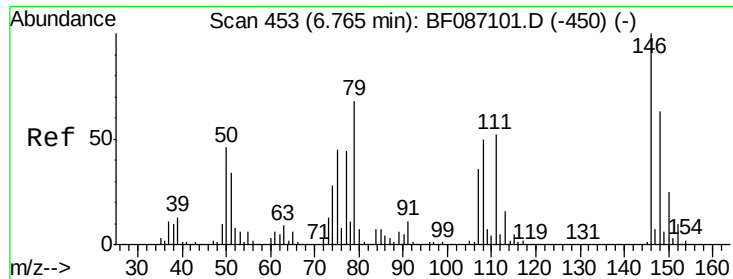
Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.4

111 51.4 30.7 46.1#

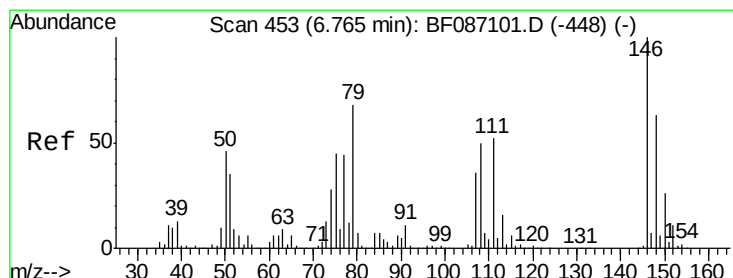
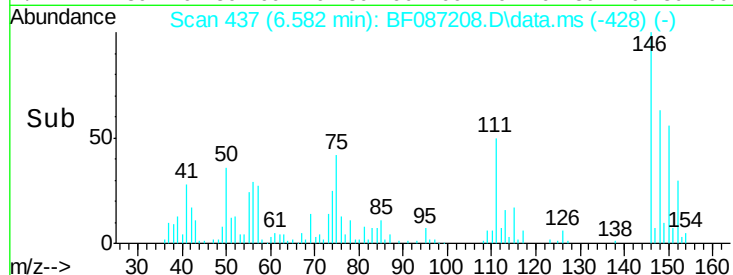
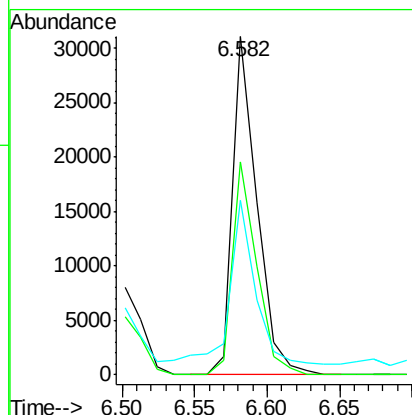
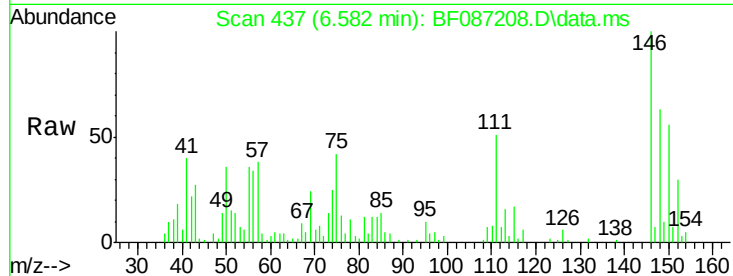




#14
 1,2-Dichlorobenzene
 Concen: 4.19 ng
 RT: 6.582 min Scan# 43
 Delta R.T. -0.194 min
 Lab File: BF087208.D
 Acq: 20 May 2016 3:15

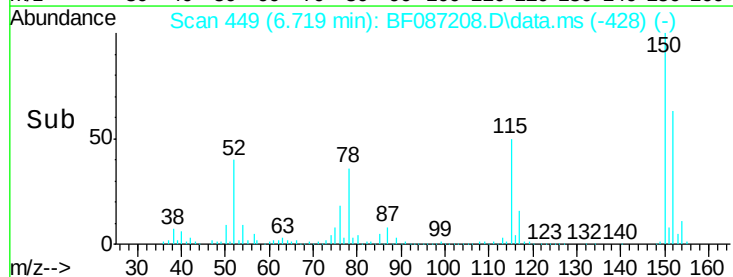
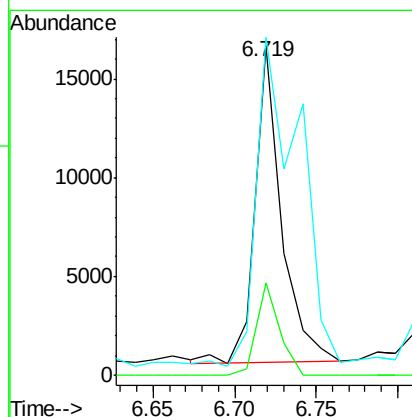
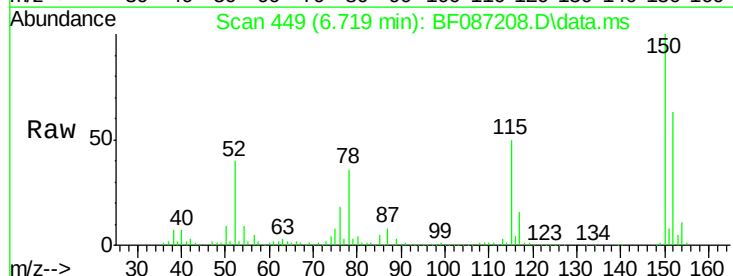
Instrument :
 BNA_F
 ClientSampleId :
 MW-01

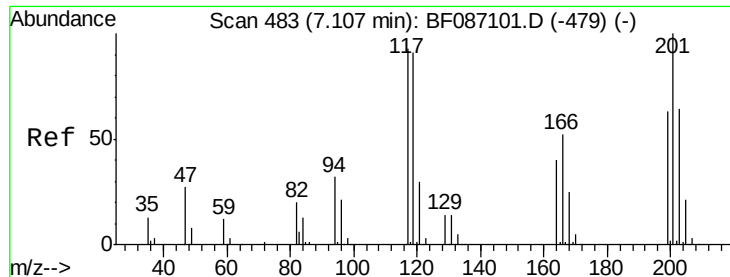
Tot Ion:146 Resp: 36112
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.0 76.6
 111 51.4 36.2 54.4



#15
 Benzyl Alcohol
 Concen: 2.44 ng
 RT: 6.719 min Scan# 449
 Delta R.T. -0.057 min
 Lab File: BF087208.D
 Acq: 20 May 2016 3:15

Tgt Ion: 79 Resp: 18109
 Ion Ratio Lower Upper
 79 100
 108 27.9 68.4 102.6#
 77 102.6 50.6 76.0#





#18

Hexachloroethane

Concen: 60.31 ng

RT: 7.142 min Scan# 48

Delta R.T. 0.023 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

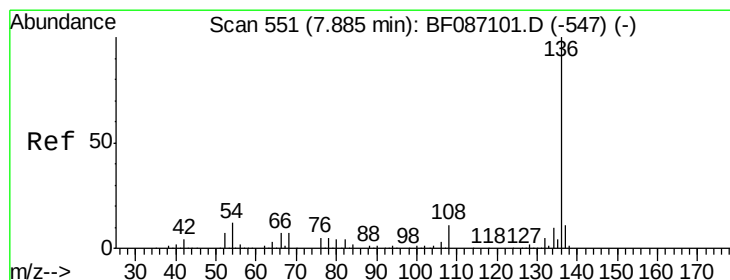
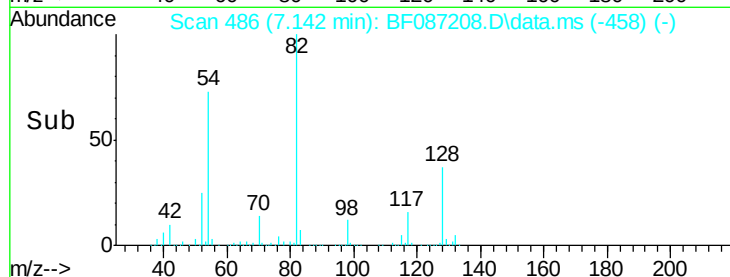
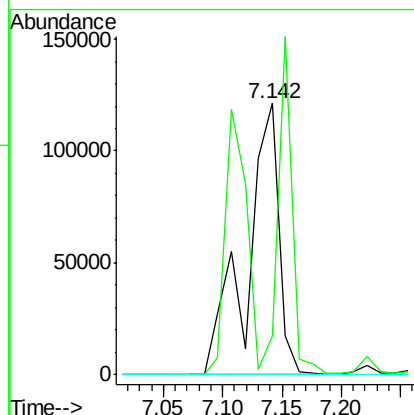
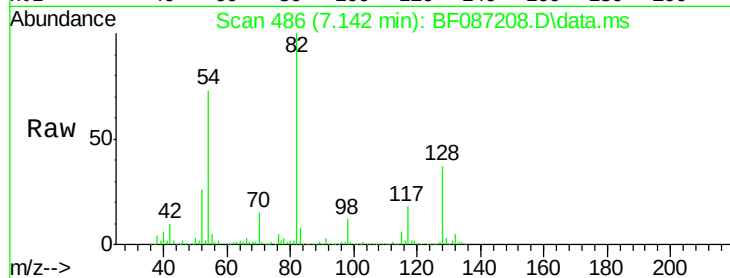
Tot Ion:117 Resp: 226719

Ion Ratio Lower Upper

117 100

119 14.1 76.5 114.7#

201 0.0 63.0 94.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.850 min Scan# 548

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Tgt Ion:136 Resp: 475683

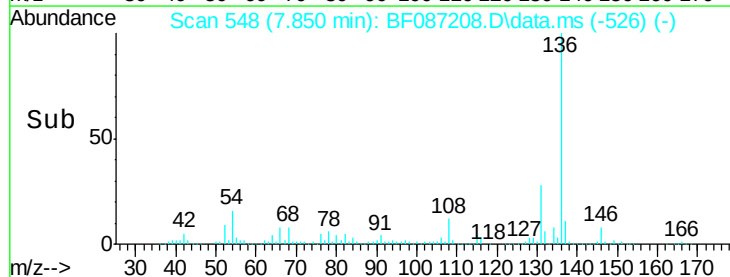
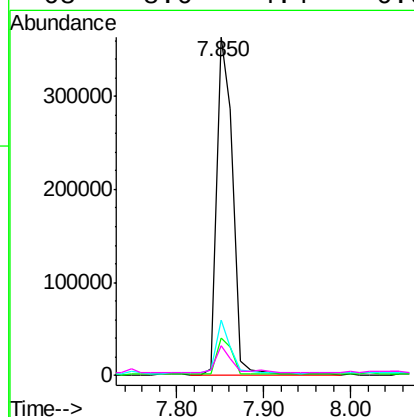
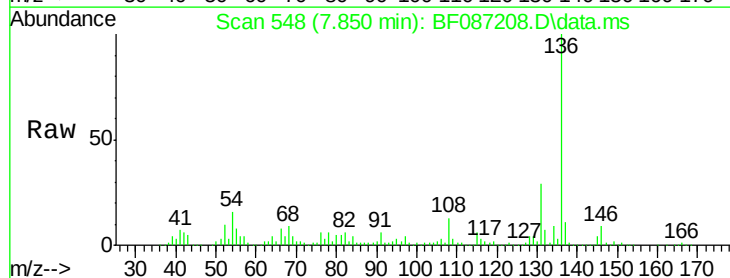
Ion Ratio Lower Upper

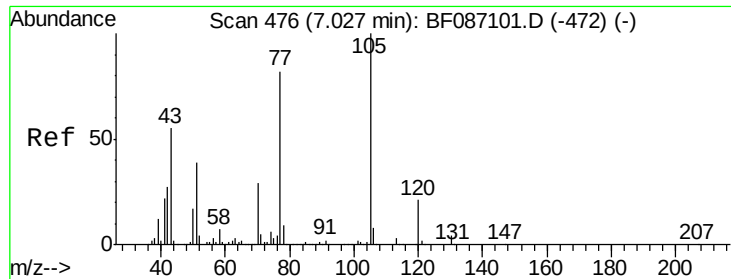
136 100

137 11.2 8.8 13.2

54 16.4 5.0 7.4#

68 8.6 4.4 6.6#





#22

Acetophenone

Concen: 5.53 ng

RT: 6.913 min Scan# 46

Delta R.T. -0.126 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampled :

MW-01

Tot Ion:105 Resp: 64418

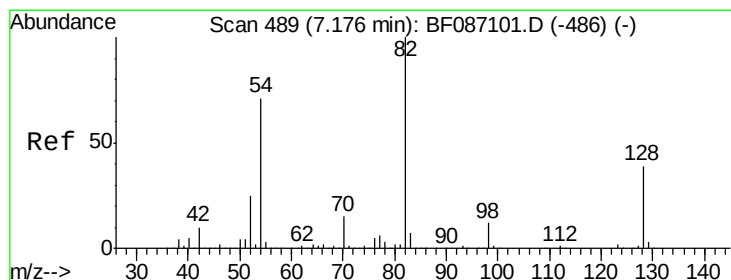
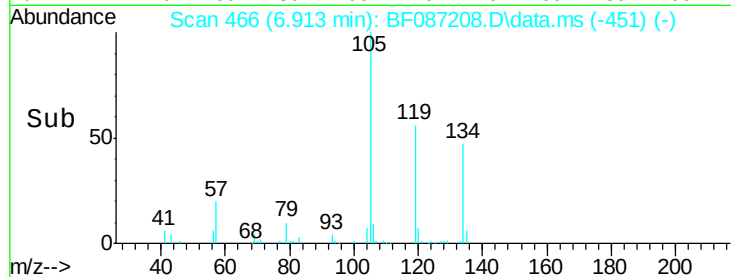
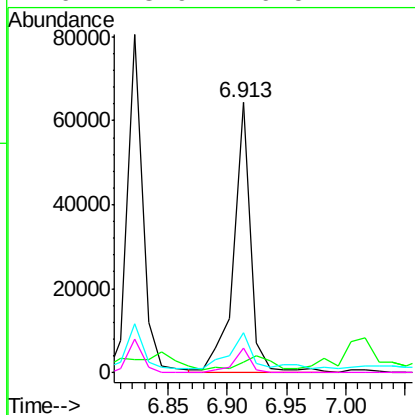
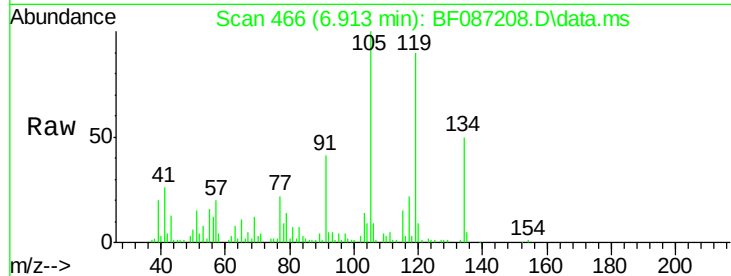
Ion Ratio Lower Upper

105 100

71 3.9 4.8 7.2#

51 14.9 32.6 49.0#

120 8.9 16.5 24.7#



#23

Nitrobenzene-d5

Concen: 44.50 ng

RT: 7.142 min Scan# 486

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

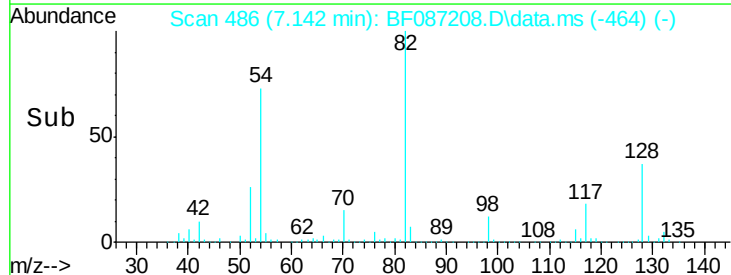
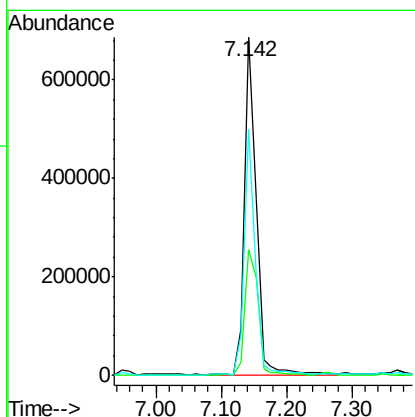
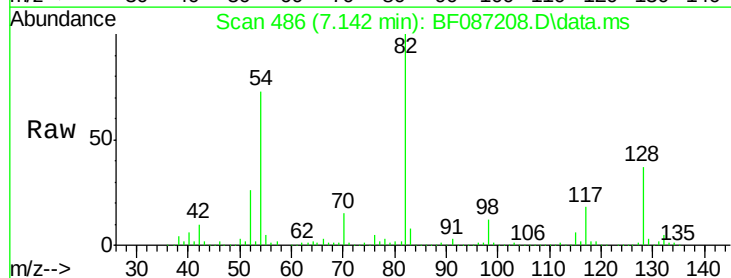
Tgt Ion: 82 Resp: 849395

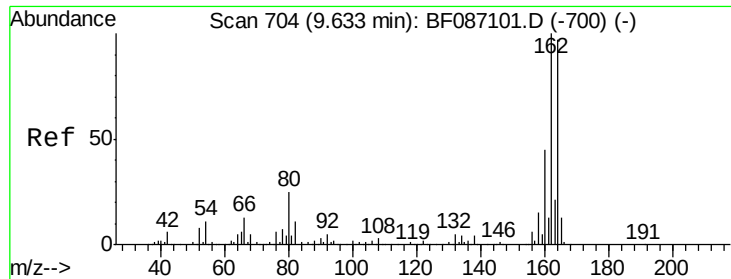
Ion Ratio Lower Upper

82 100

128 37.1 40.6 61.0#

54 72.6 38.1 57.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.599 min Scan# 704

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

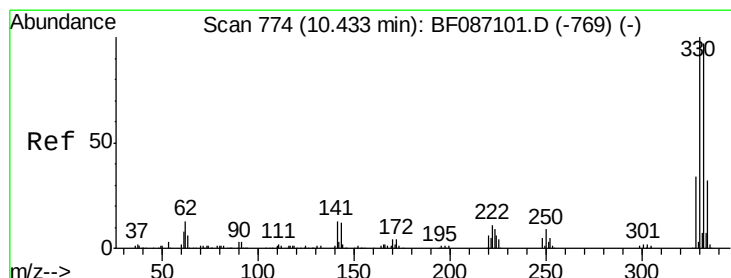
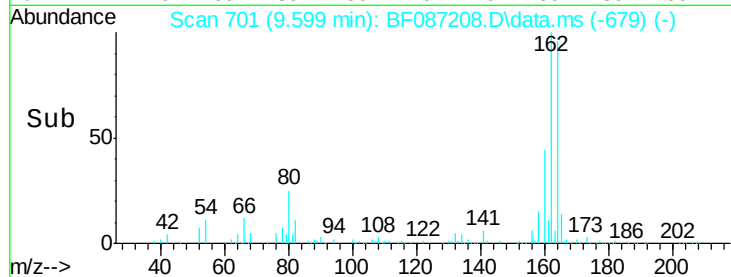
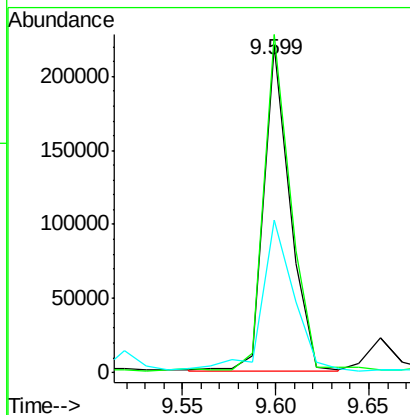
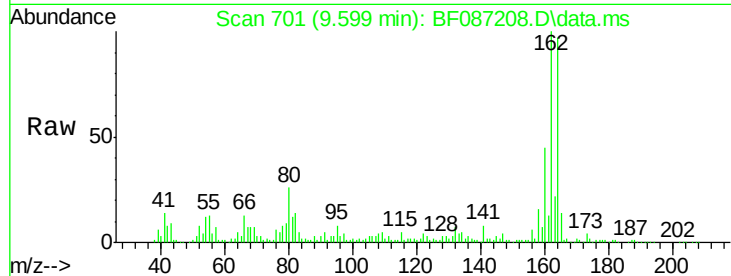
Tot Ion:164 Resp: 210679

Ion Ratio Lower Upper

164 100

162 103.4 82.8 124.2

160 46.5 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 71.38 ng

RT: 10.399 min Scan# 771

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

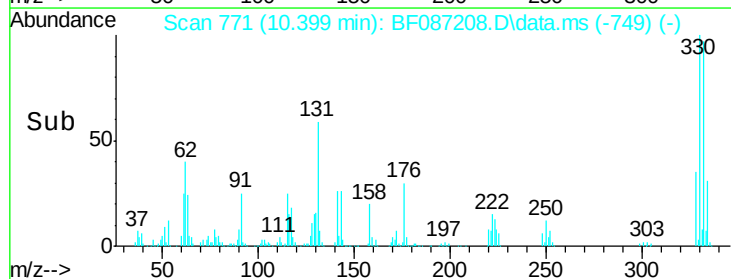
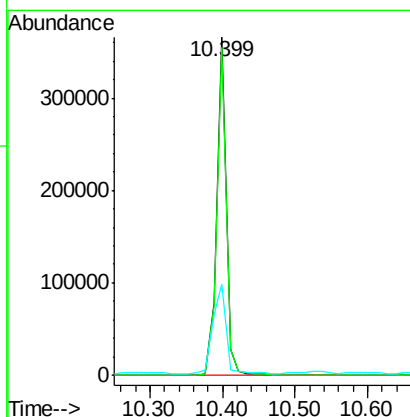
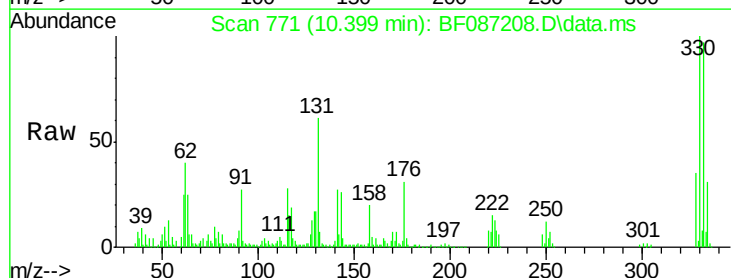
Tgt Ion:330 Resp: 332371

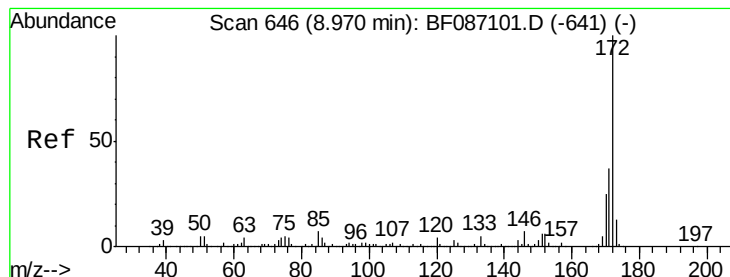
Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

141 36.2 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 49.15 ng

RT: 8.936 min Scan# 64

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

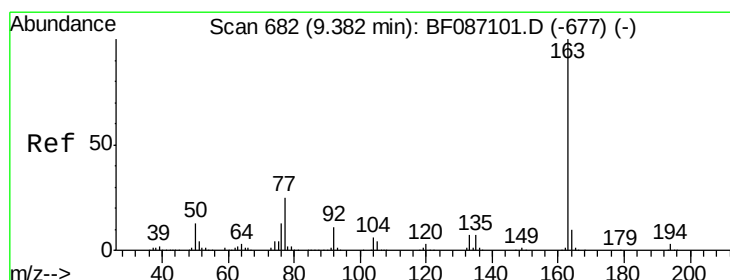
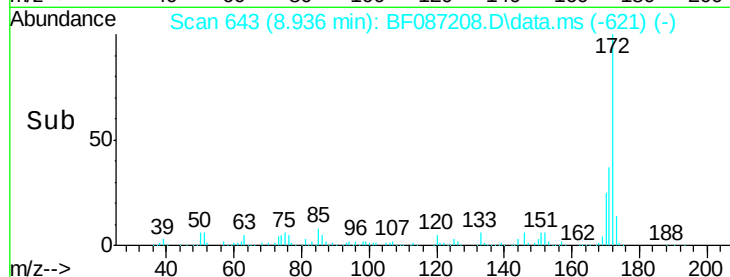
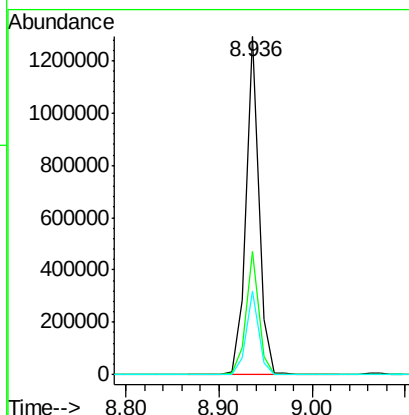
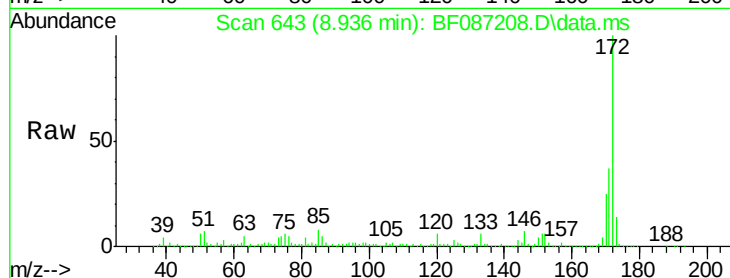
BNA_F

ClientSampleId :

MW-01

Tot Ion:172 Resp: 1250443

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.6
170	24.7	19.8	29.8



#49

Dimethylphthalate

Concen: 5.83 ng

RT: 9.336 min Scan# 678

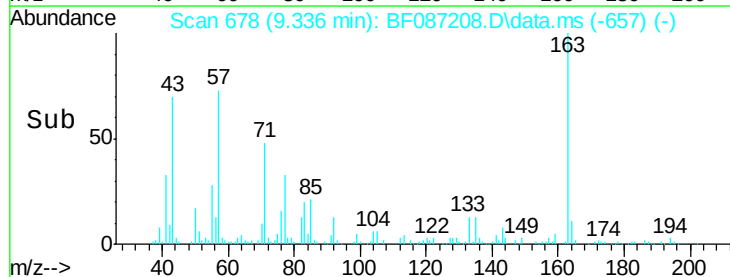
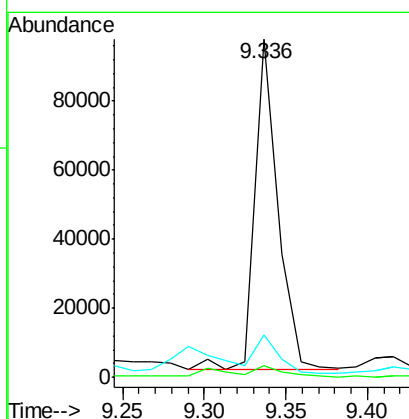
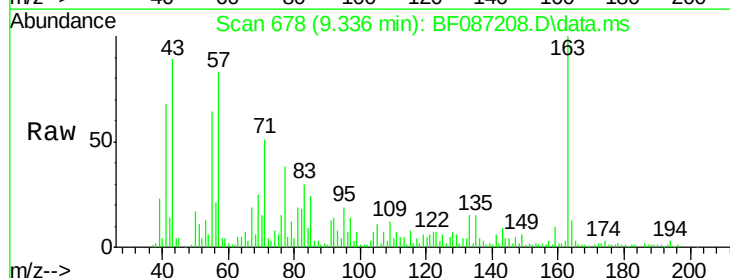
Delta R.T. -0.057 min

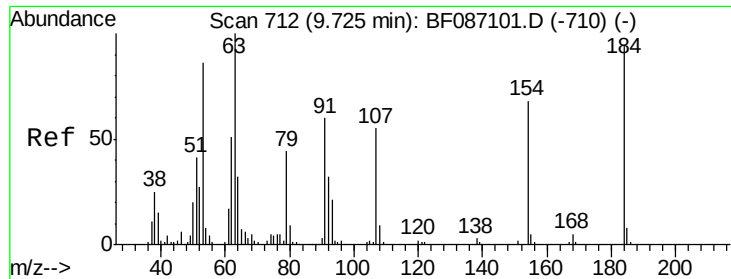
Lab File: BF087208.D

Acq: 20 May 2016 3:15

Tgt Ion:163 Resp: 93763

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	12.6	8.2	12.4#

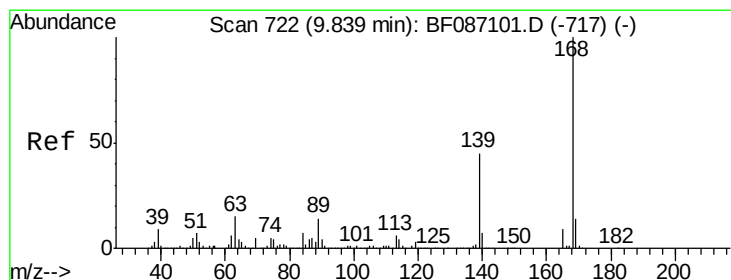
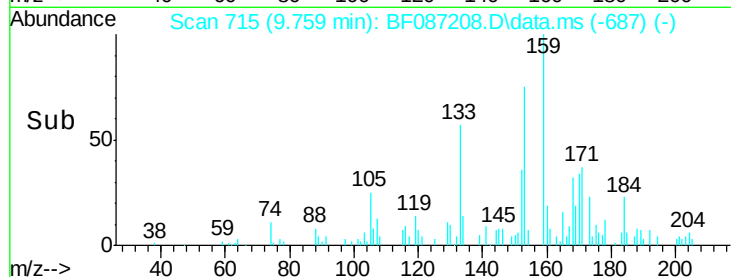
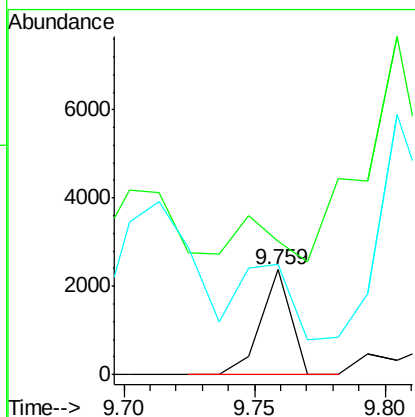
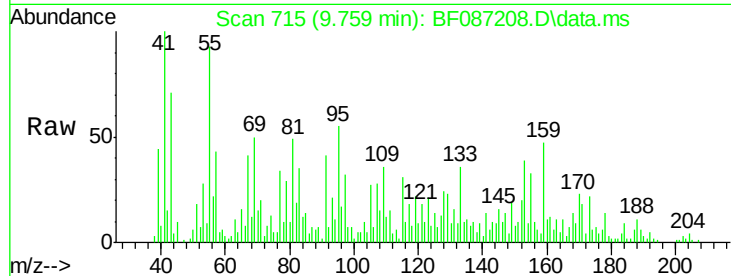




#53
2,4-Dinitrophenol
Concen: 5.64 ng
RT: 9.759 min Scan# 71
Delta R.T. 0.023 min
Lab File: BF087208.D
Acq: 20 May 2016 3:15

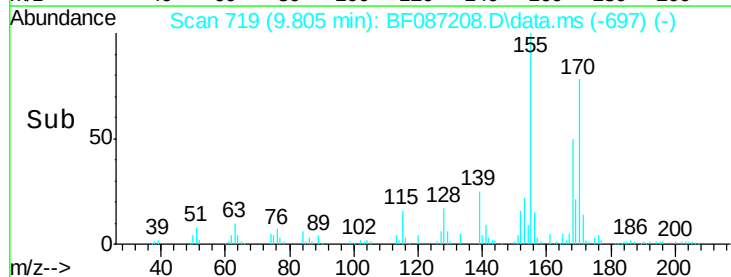
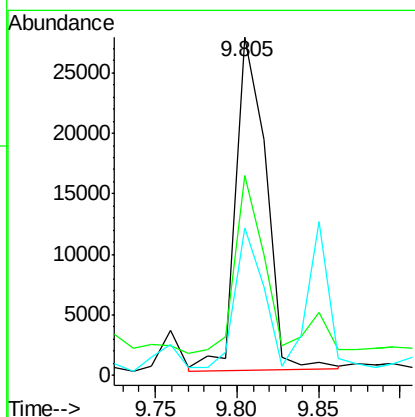
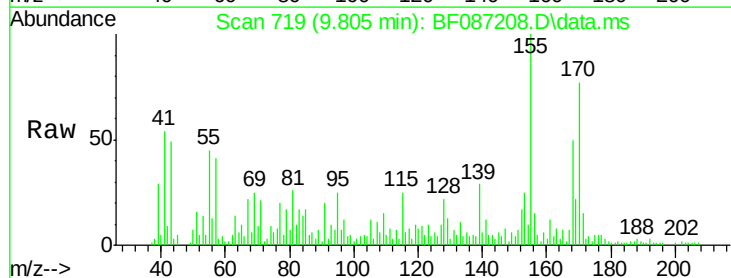
Instrument :
BNA_F
ClientSampleId :
MW-01

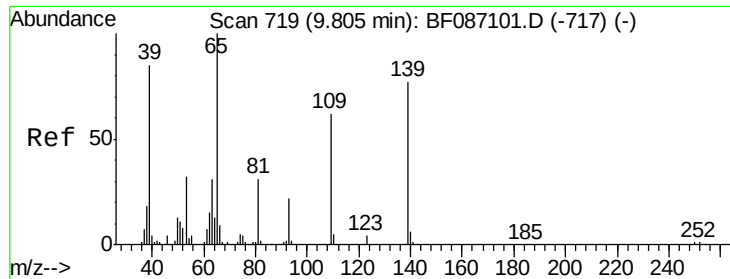
Tot Ion:184 Resp: 1910
Ion Ratio Lower Upper
184 100
63 127.2 55.8 83.8#
154 104.9 62.4 93.6#



#54
Dibenzofuran
Concen: 2.12 ng
RT: 9.805 min Scan# 719
Delta R.T. -0.046 min
Lab File: BF087208.D
Acq: 20 May 2016 3:15

Tgt Ion:168 Resp: 34992
Ion Ratio Lower Upper
168 100
139 59.0 31.4 47.0#
169 43.4 10.7 16.1#

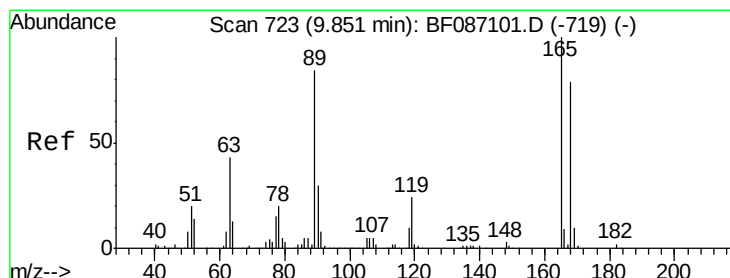
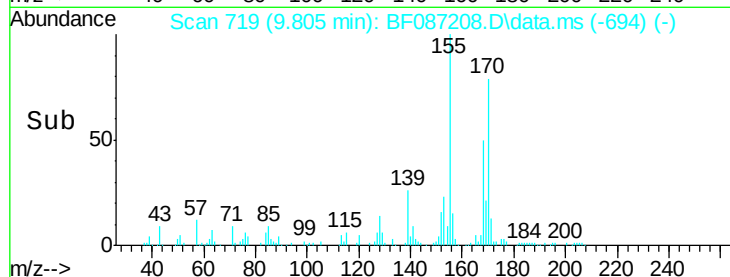
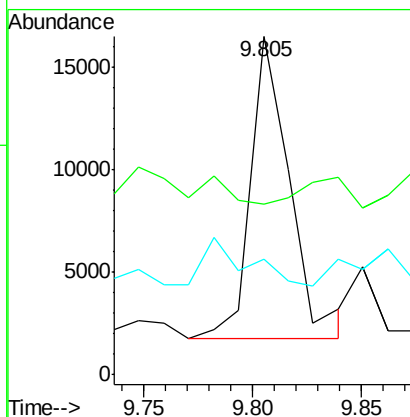
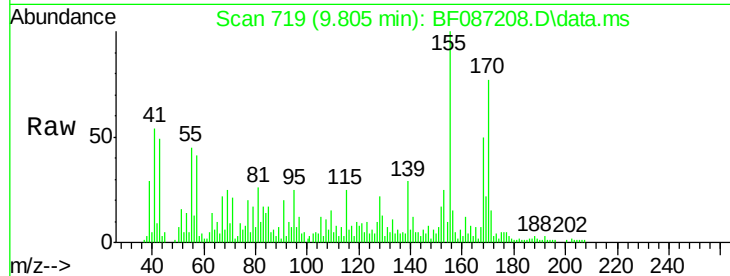




#55
4-Nitrophenol
Concen: 14.97 ng
RT: 9.805 min Scan# 717
Delta R.T. -0.011 min
Lab File: BF087208.D
Acq: 20 May 2016 3:15

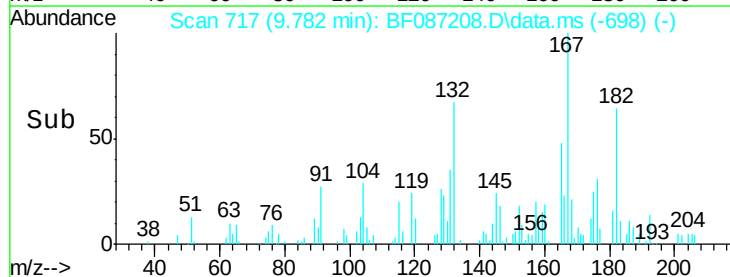
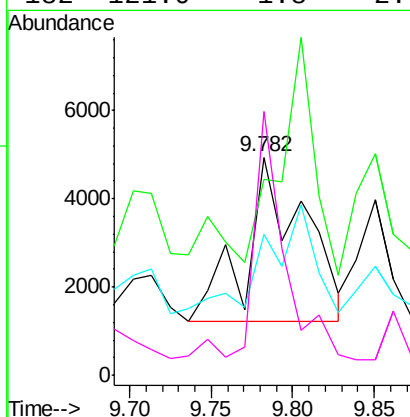
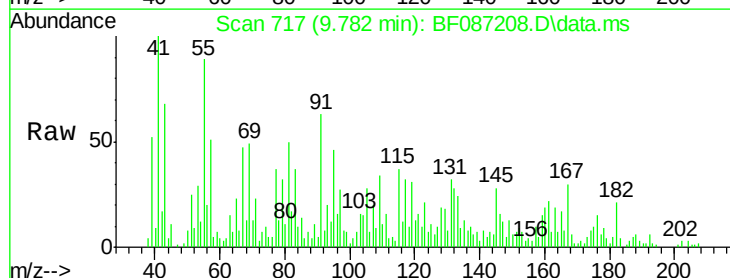
Instrument :
BNA_F
ClientSampleId :
MW-01

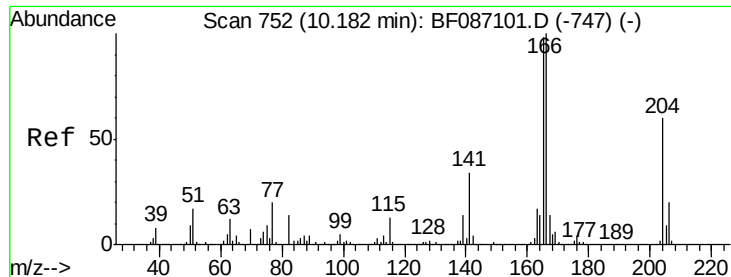
Tot Ion	Ratio	Lower	Upper
139	100		
109	50.5	36.9	76.9
65	34.1	64.0	104.0#



#56
2,4-Dinitrotoluene
Concen: 2.11 ng
RT: 9.782 min Scan# 717
Delta R.T. -0.080 min
Lab File: BF087208.D
Acq: 20 May 2016 3:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	89.9	44.3	66.5#
89	64.6	70.0	105.0#
182	121.0	1.8	2.6#

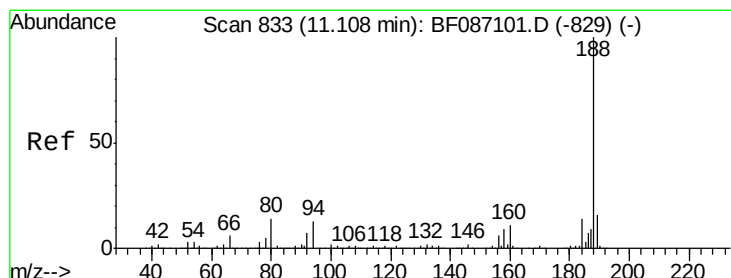
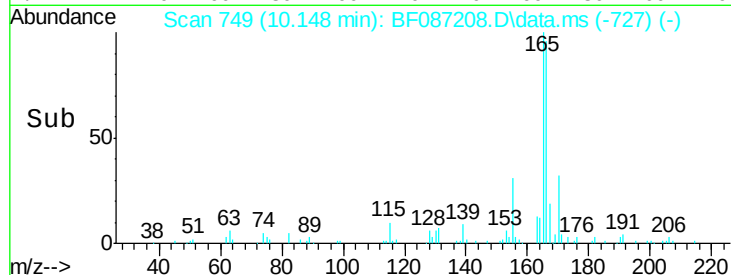
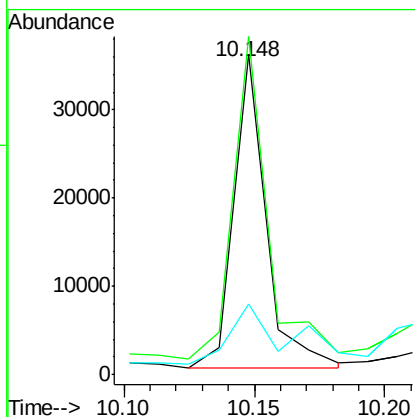
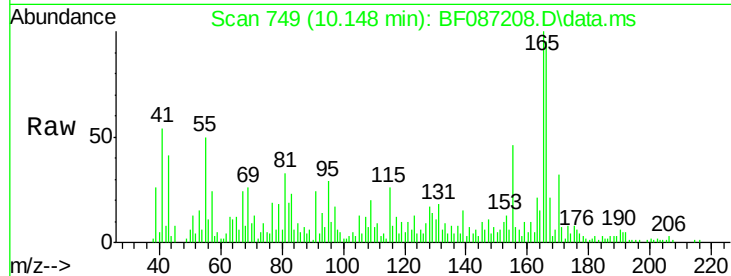




#57
 Fluorene
 Concen: 2.32 ng
 RT: 10.148 min Scan# 74
 Delta R.T. -0.046 min
 Lab File: BF087208.D
 Acq: 20 May 2016 3:15

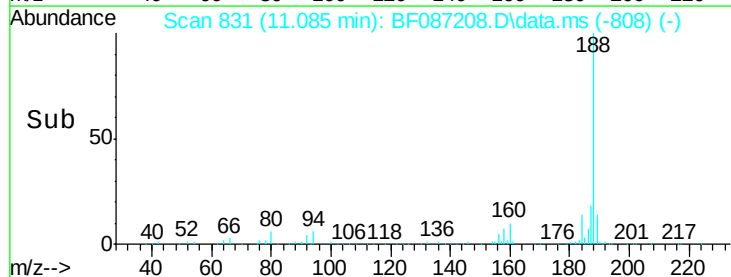
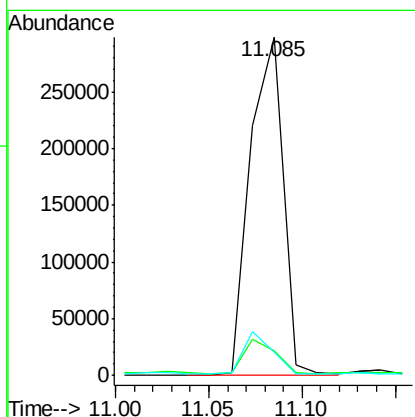
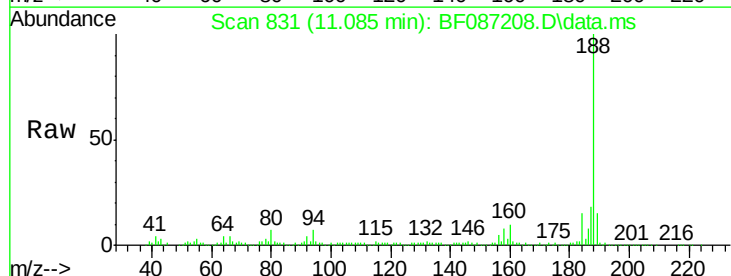
Instrument :
 BNA_F
 ClientSampleId :
 MW-01

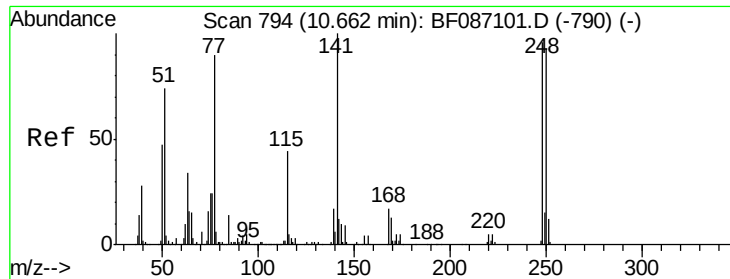
Tot Ion:166 Resp: 30877
 Ion Ratio Lower Upper
 166 100
 165 105.4 79.0 118.6
 167 22.1 10.6 15.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.085 min Scan# 831
 Delta R.T. -0.034 min
 Lab File: BF087208.D
 Acq: 20 May 2016 3:15

Tgt Ion:188 Resp: 363998
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.8 10.2
 80 7.0 7.1 10.7#





#66

4-Bromophenyl-phenylether

Concen: 5.62 ng

RT: 10.399 min Scan# 77

Delta R.T. -0.274 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

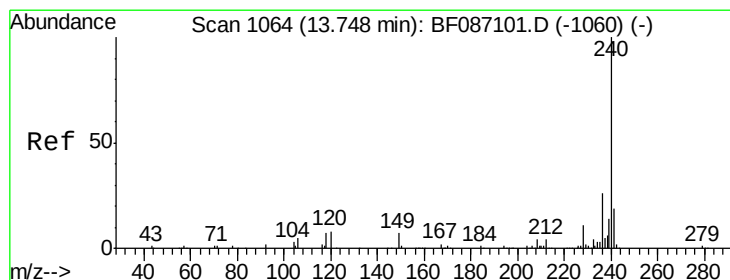
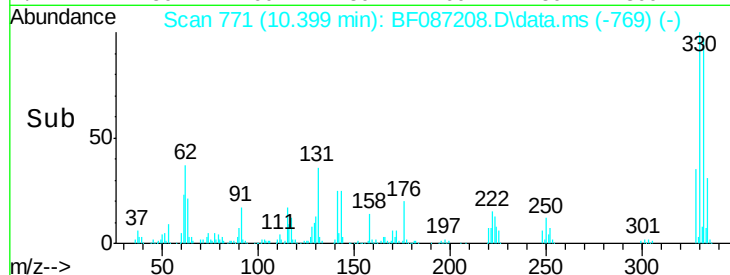
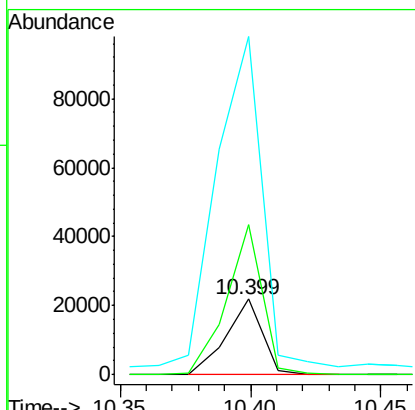
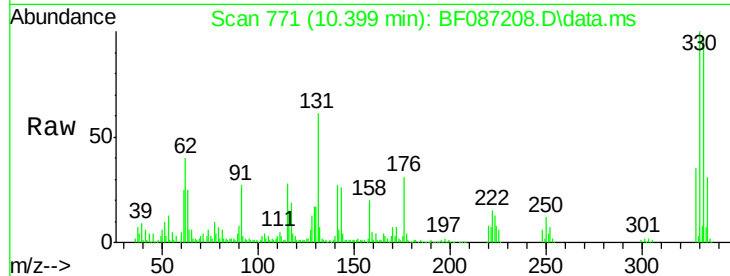
Tot Ion:248 Resp: 21023

Ion Ratio Lower Upper

248 100

250 198.6 78.6 117.8#

141 449.5 76.0 114.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.702 min Scan# 1060

Delta R.T. -0.057 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

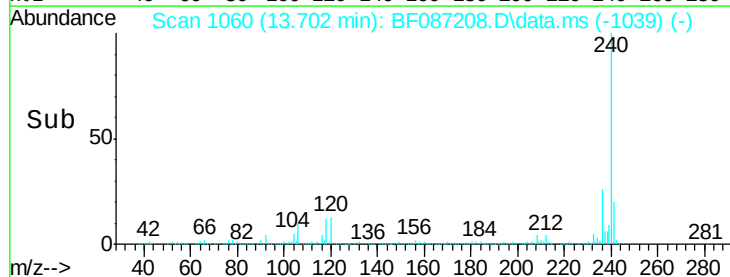
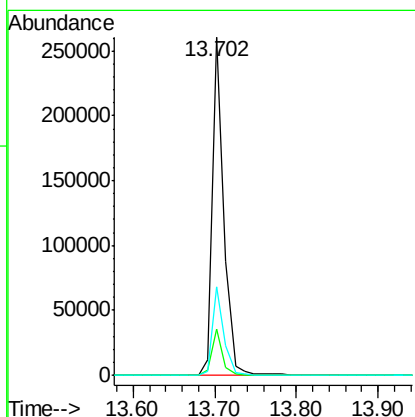
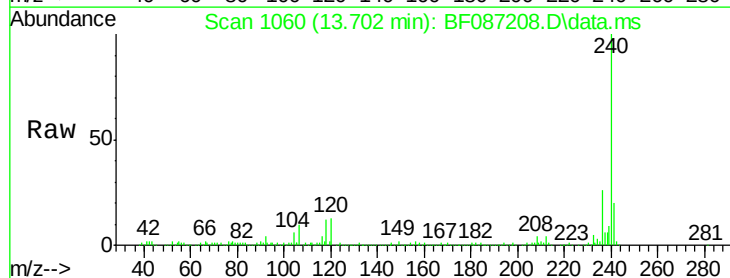
Tgt Ion:240 Resp: 258199

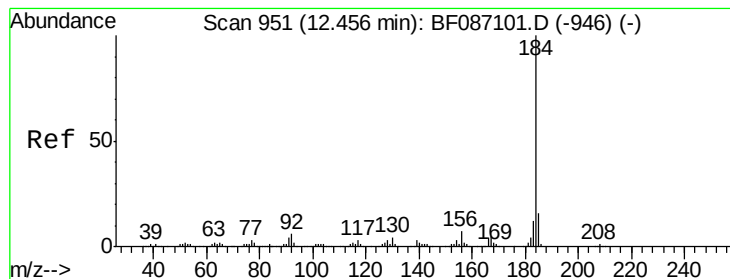
Ion Ratio Lower Upper

240 100

120 13.5 11.2 16.8

236 26.3 21.2 31.8





#76

Benzidine

Concen: 2.44 ng

RT: 12.662 min Scan# 96

Delta R.T. 0.195 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

Instrument :

BNA_F

ClientSampleId :

MW-01

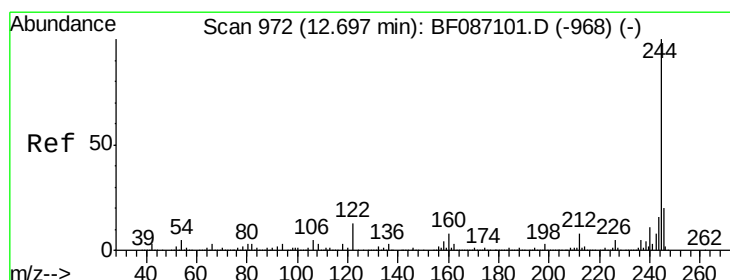
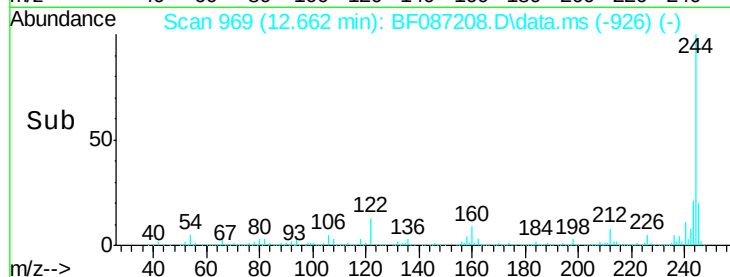
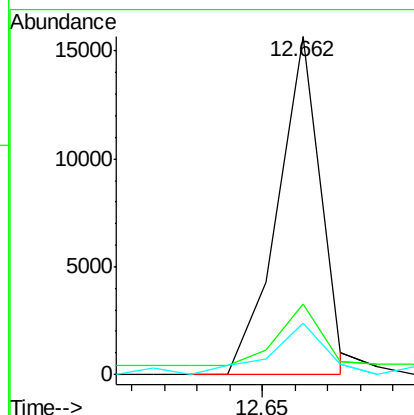
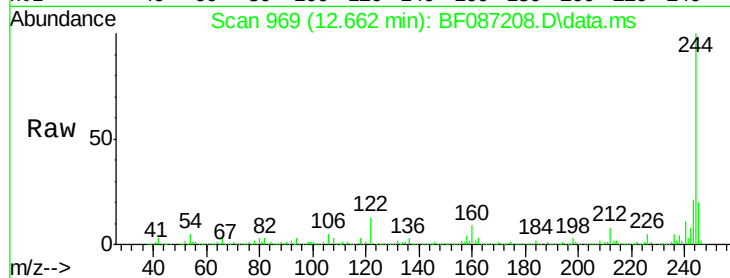
Tot Ion:184 Resp: 14386

Ion Ratio Lower Upper

184 100

185 21.0 13.6 20.4#

183 15.1 9.8 14.6#



#78

Terphenyl-d14

Concen: 38.86 ng

RT: 12.662 min Scan# 969

Delta R.T. -0.046 min

Lab File: BF087208.D

Acq: 20 May 2016 3:15

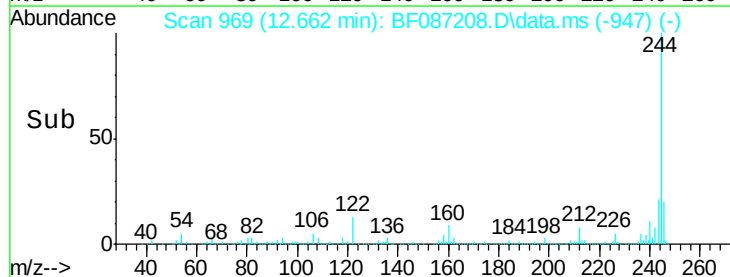
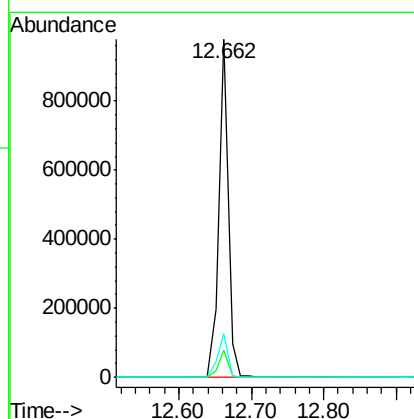
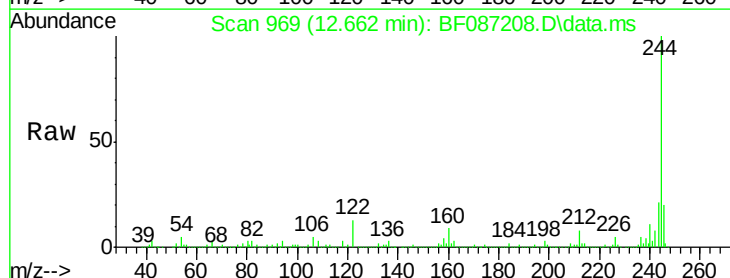
Tgt Ion:244 Resp: 887038

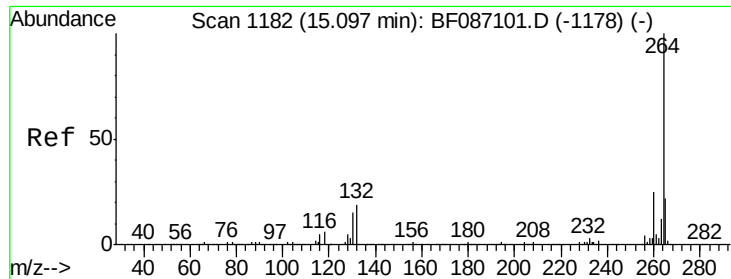
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

122 12.8 12.0 18.0





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.063 min Scan# 11
 Delta R.T. -0.046 min
 Lab File: BF087208.D
 Acq: 20 May 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.3	25.9

