

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
 Data File : BF087219.D
 Acq On : 20 May 2016 8:34
 Operator : UM/SJ
 Sample : H3166-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-113

Quant Time: May 20 10:04:42 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)

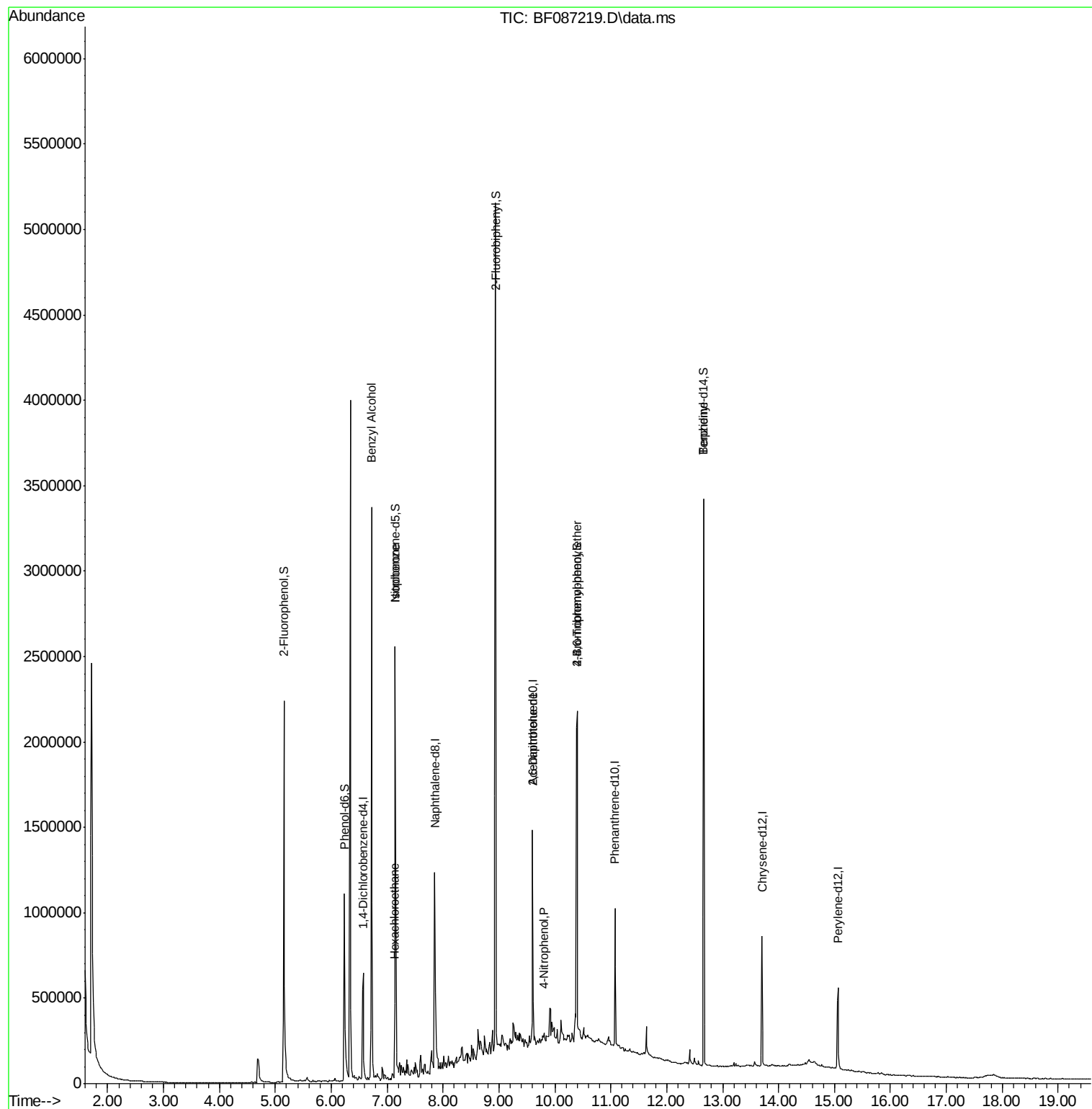
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.570	152	127665	20.00	ng	-0.03
21) Naphthalene-d8	7.850	136	509982	20.00	ng	-0.05
38) Acenaphthene-d10	9.599	164	223517	20.00	ng	-0.05
63) Phenanthrene-d10	11.073	188	350255	20.00	ng	-0.05
75) Chrysene-d12	13.702	240	253922	20.00	ng	-0.06
86) Perylene-d12	15.062	264	241683	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.153	112	637901	41.99	ng	-0.05
7) Phenol-d6	6.239	99	545668	26.78	ng	-0.05
23) Nitrobenzene-d5	7.142	82	916056	44.76	ng	-0.05
41) 2,4,6-Tribromophenol	10.399	330	368315	74.56	ng	-0.05
44) 2-Fluorobiphenyl	8.936	172	1428318	52.92	ng	-0.05
78) Terphenyl-d14	12.662	244	944045	42.05	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.239	77	1202	Below Cal		Qvalue
15) Benzyl Alcohol	6.719	79	17468	2.30	ng	# 42
18) Hexachloroethane	7.130	117	12840	3.34	ng	# 6
25) Isophorone	7.142	82	816411	43.58	ng	# 68
50) 2,6-Dinitrotoluene	9.599	165	30189	8.15	ng	# 24
55) 4-Nitrophenol	9.805	139	3525	2.99	ng	# 1
66) 4-Bromophenyl-phenylether	10.399	248	21095	5.86	ng	# 1
76) Benzidine	12.662	184	16039	2.63	ng	# 93

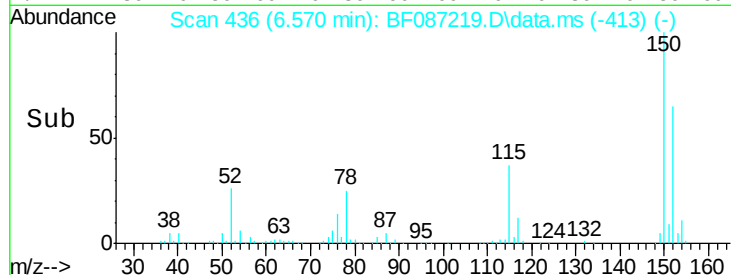
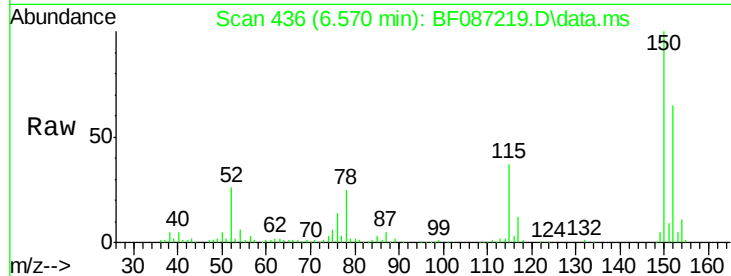
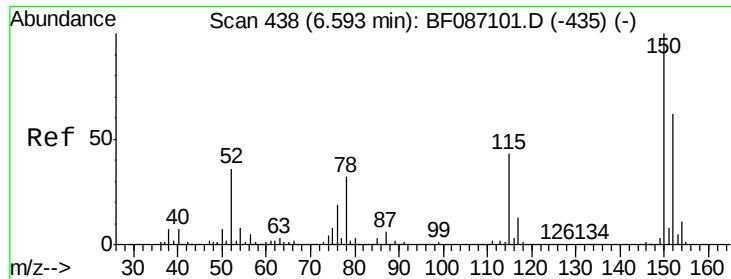
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

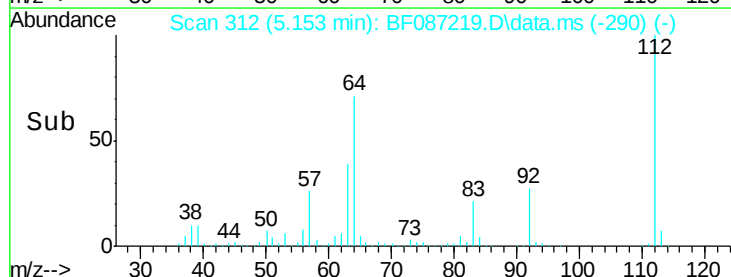
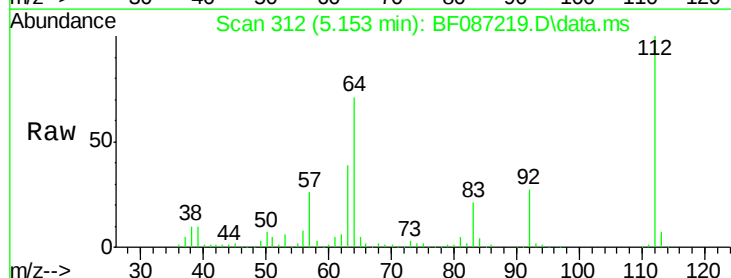
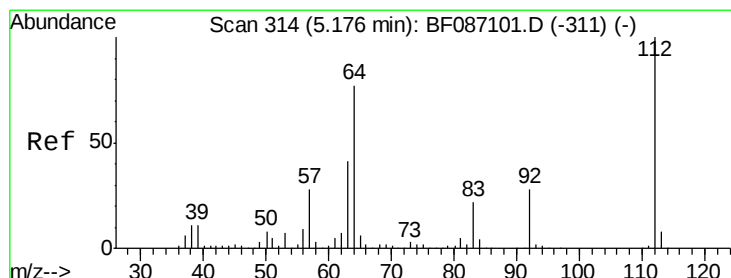
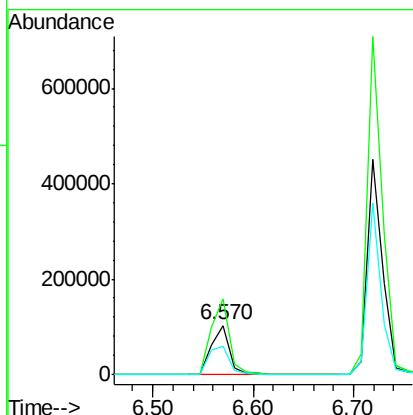
Tot Ion:152 Resp: 127665

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

115 57.6 51.5 77.3



#5

2-Fluorophenol

Concen: 41.99 ng

RT: 5.153 min Scan# 312

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

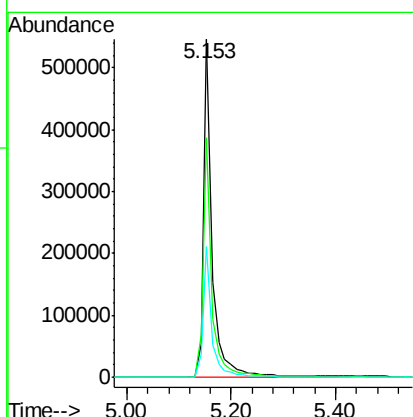
Tgt Ion:112 Resp: 637901

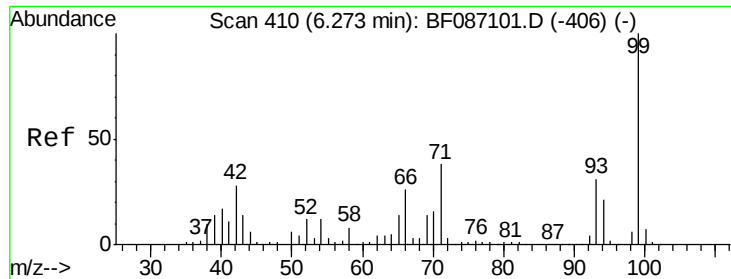
Ion Ratio Lower Upper

112 100

64 70.8 52.1 78.1

63 38.7 25.7 38.5#





#7

Phenol-d6

Concen: 26.78 ng

RT: 6.239 min Scan# 40

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

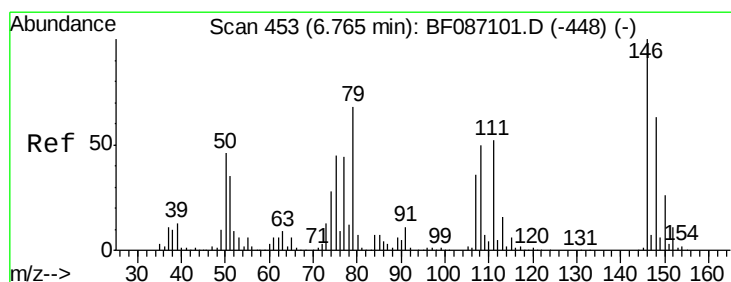
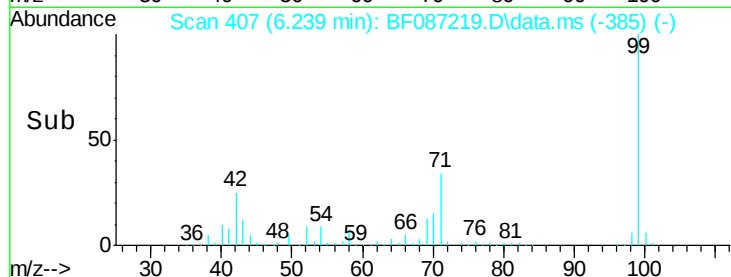
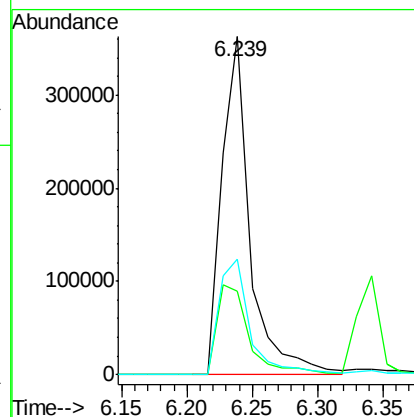
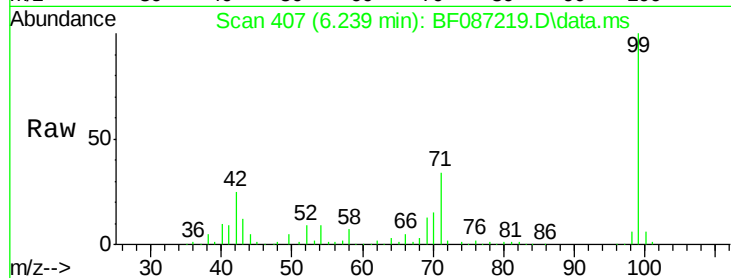
Tot Ion: 99 Resp: 545668

Ion Ratio Lower Upper

99 100

42 24.7 13.6 20.4#

71 34.3 24.6 36.8



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.719 min Scan# 449

Delta R.T. -0.057 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

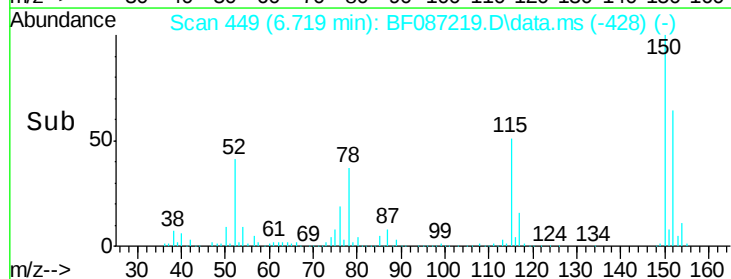
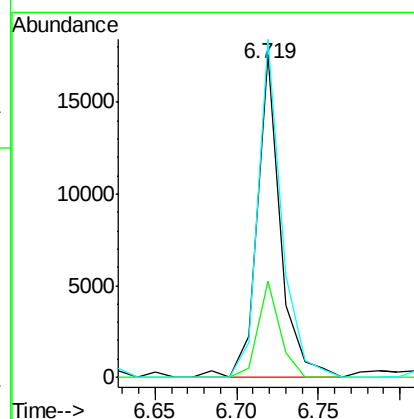
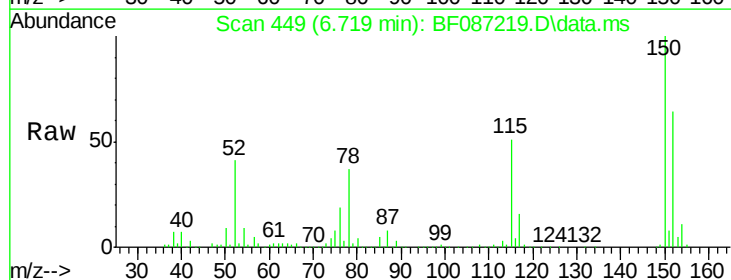
Tgt Ion: 79 Resp: 17468

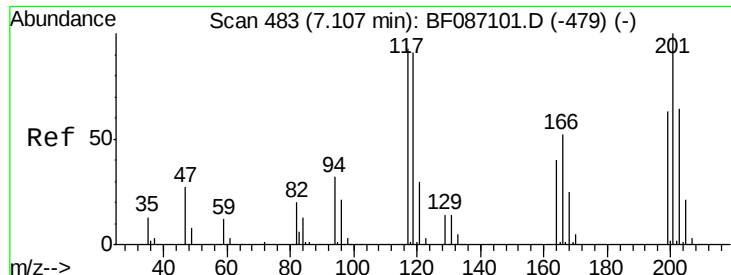
Ion Ratio Lower Upper

79 100

108 29.9 68.4 102.6#

77 104.8 50.6 76.0#





#18

Hexachloroethane

Concen: 3.34 ng

RT: 7.130 min Scan# 48

Delta R.T. 0.011 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

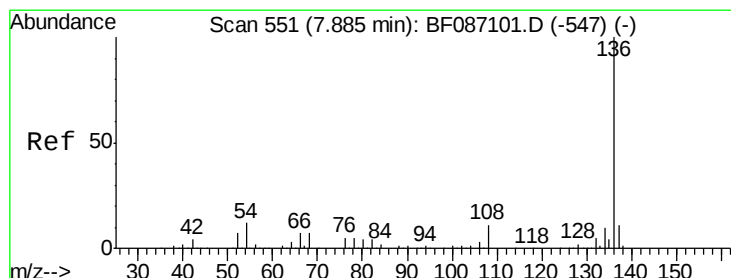
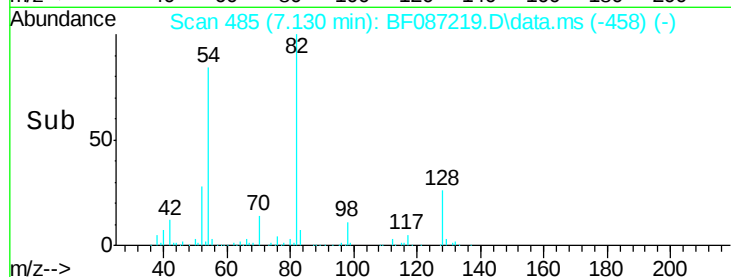
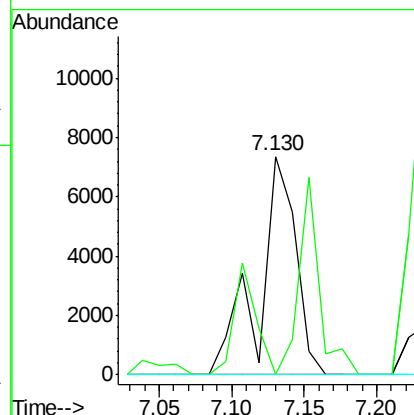
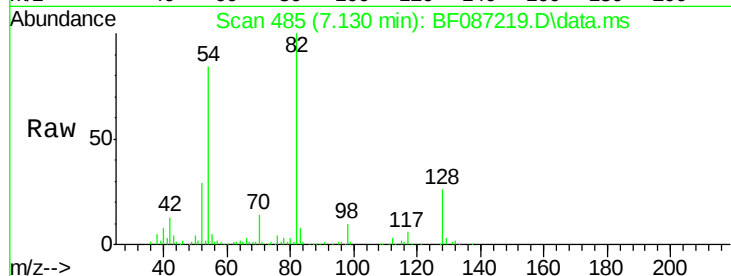
Tot Ion:117 Resp: 12840

Ion Ratio Lower Upper

117 100

119 0.0 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: BF087219.D

Acq: 20 May 2016 8:34

Tgt Ion:136 Resp: 509982

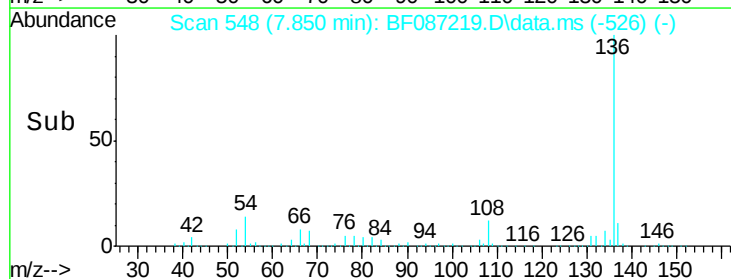
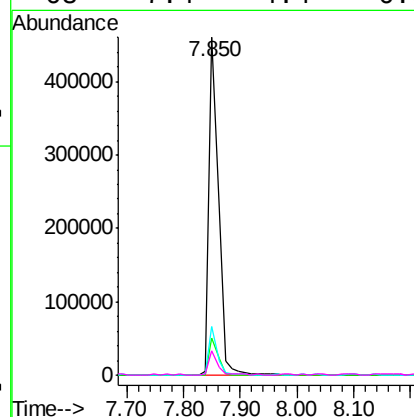
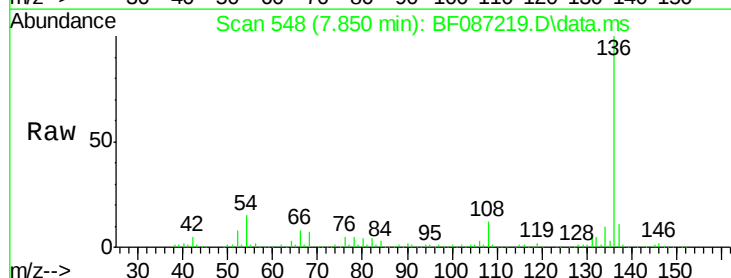
Ion Ratio Lower Upper

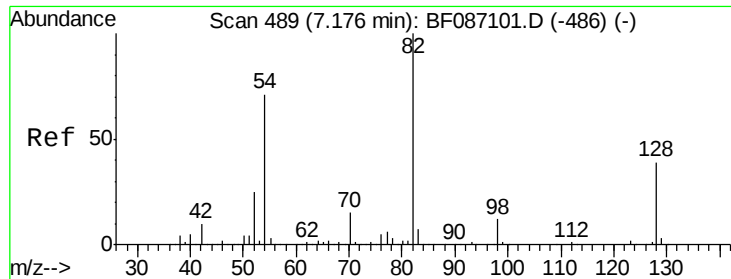
136 100

137 11.2 8.8 13.2

54 14.6 5.0 7.4#

68 7.4 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 44.76 ng

RT: 7.142 min Scan# 486

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

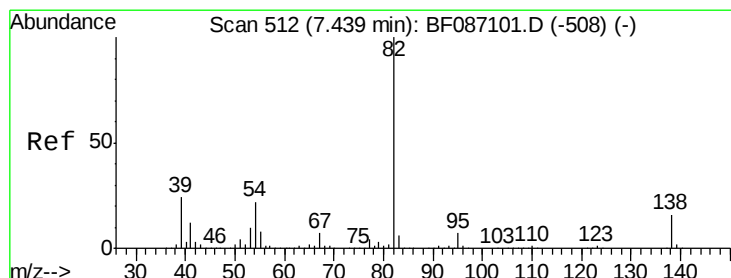
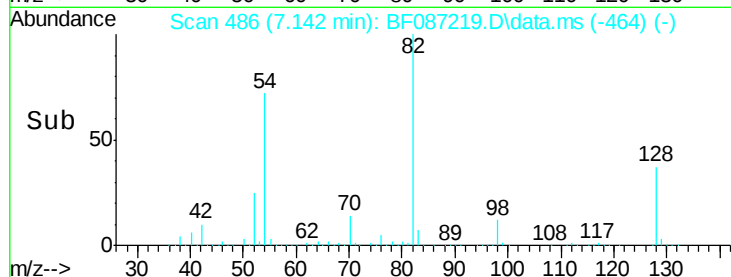
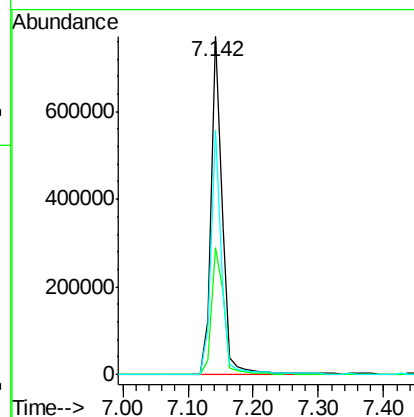
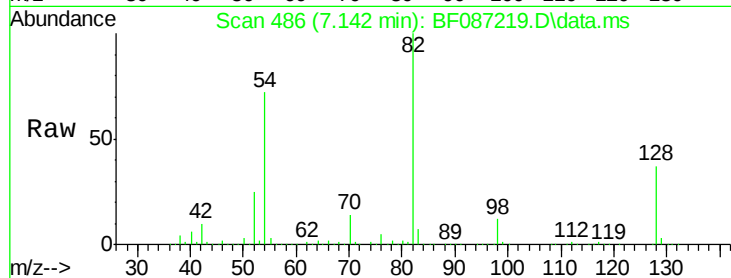
Tot Ion: 82 Resp: 916056

Ion Ratio Lower Upper

82 100

128 37.4 40.6 61.0#

54 72.4 38.1 57.1#



#25

Isophorone

Concen: 43.58 ng

RT: 7.142 min Scan# 486

Delta R.T. -0.309 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

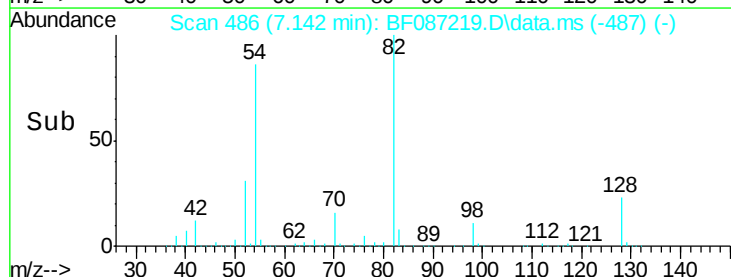
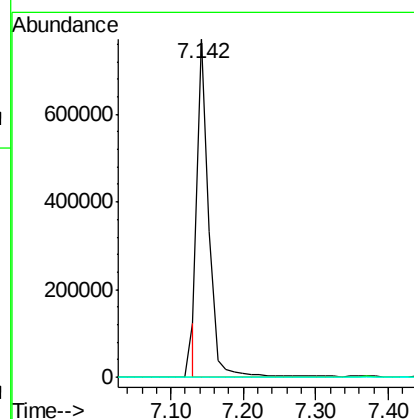
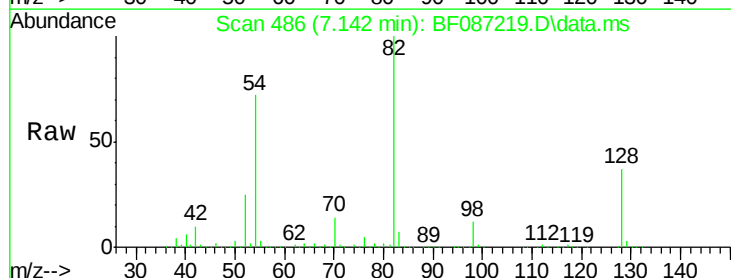
Tgt Ion: 82 Resp: 816411

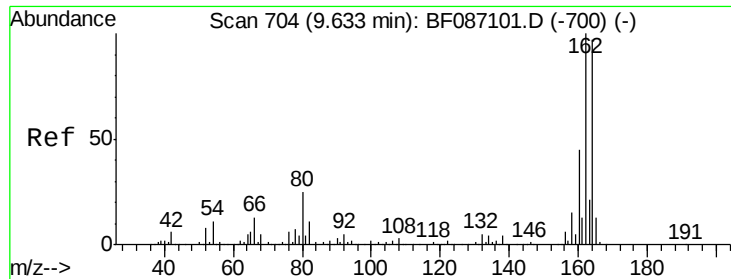
Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.599 min Scan# 704

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

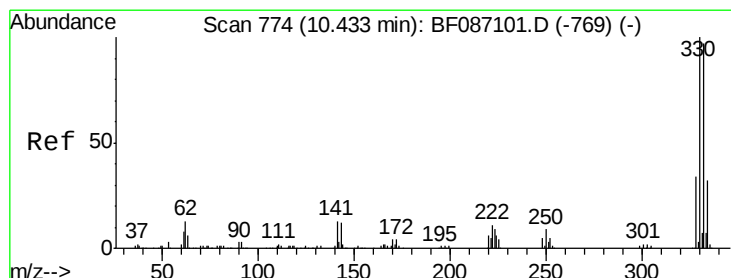
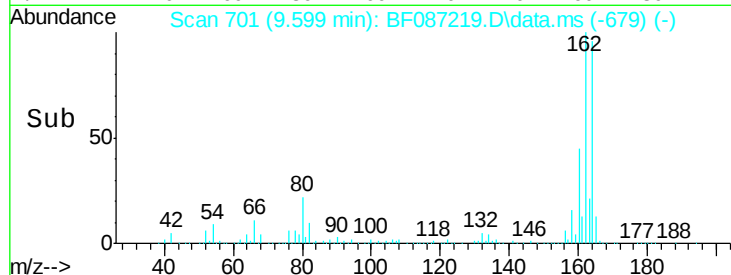
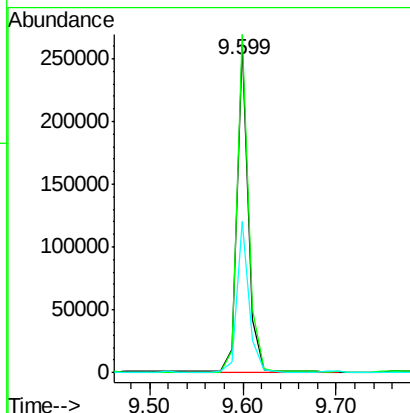
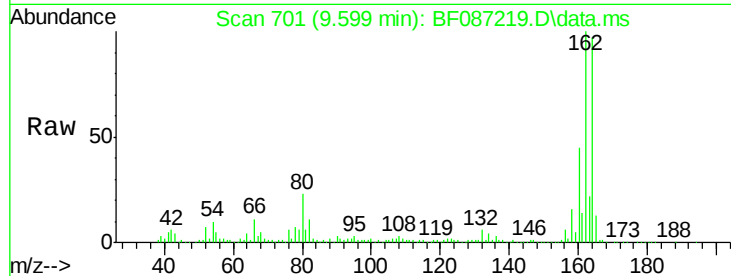
Tot Ion:164 Resp: 223517

Ion Ratio Lower Upper

164 100

162 103.6 82.8 124.2

160 46.5 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 74.56 ng

RT: 10.399 min Scan# 771

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

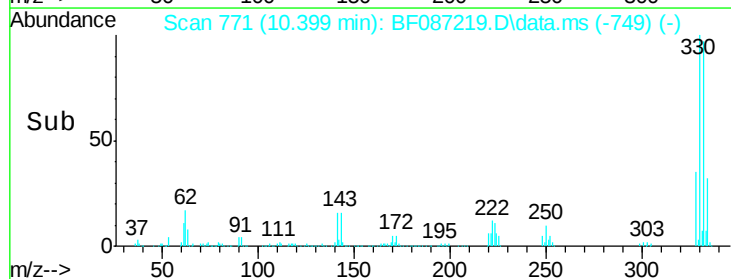
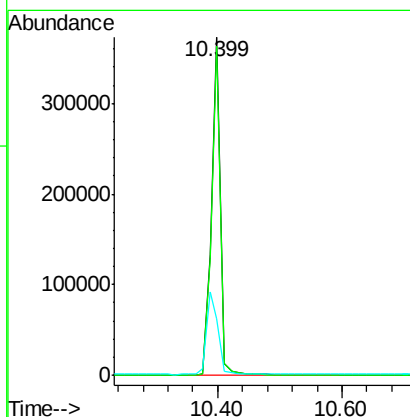
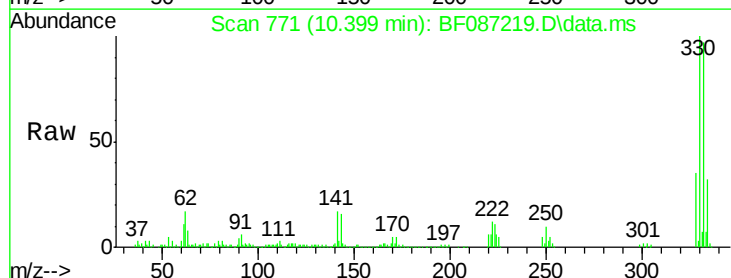
Tgt Ion:330 Resp: 368315

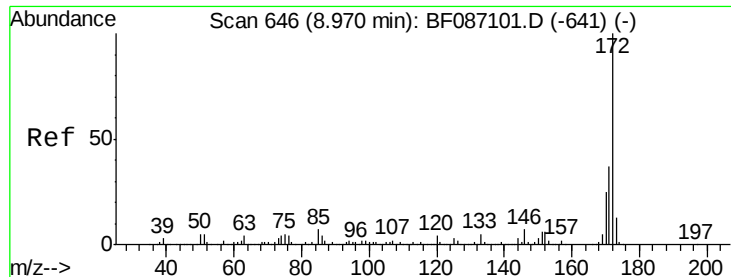
Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

141 31.0 31.2 46.8#

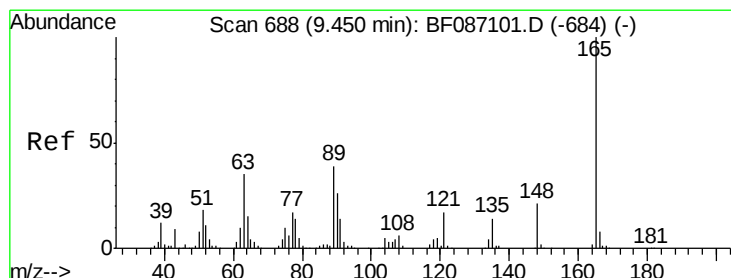
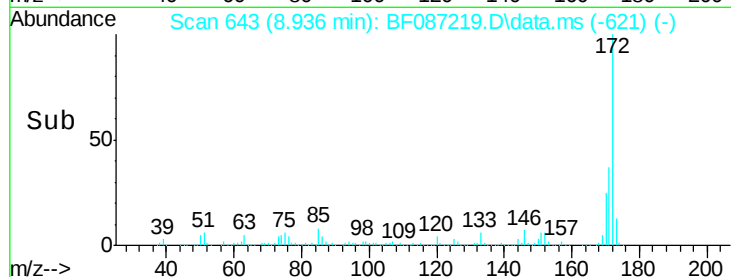
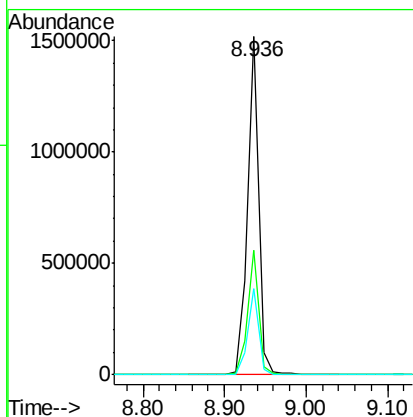
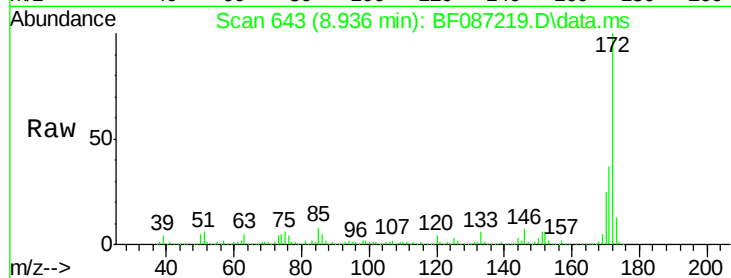




#44
2-Fluorobiphenyl
Concen: 52.92 ng
RT: 8.936 min Scan# 64
Delta R.T. -0.046 min
Lab File: BF087219.D
Acq: 20 May 2016 8:34

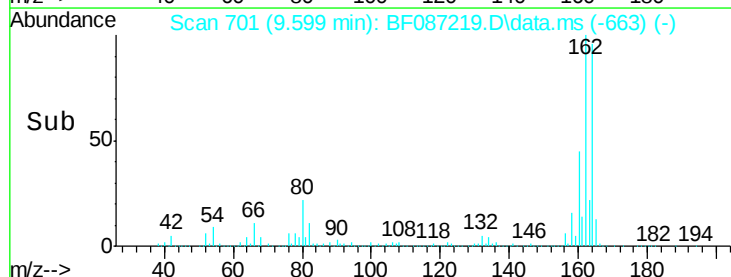
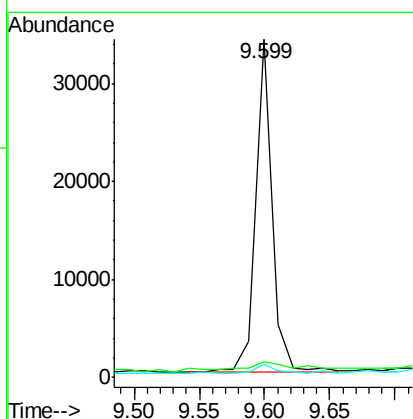
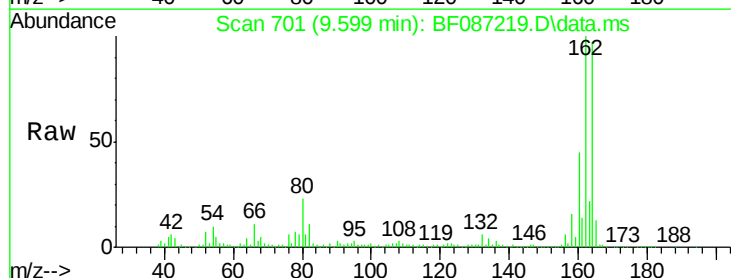
Instrument :
BNA_F
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RAV-GT-113

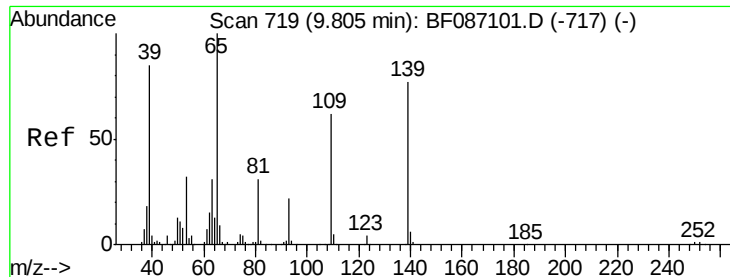
Tot Ion:172 Resp: 1428318
Ion Ratio Lower Upper
172 100
171 37.0 29.0 43.6
170 25.2 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 8.15 ng
RT: 9.599 min Scan# 701
Delta R.T. 0.137 min
Lab File: BF087219.D
Acq: 20 May 2016 8:34

Tgt Ion:165 Resp: 30189
Ion Ratio Lower Upper
165 100
63 4.7 51.8 77.8#
89 3.9 50.7 76.1#





#55

4-Nitrophenol

Concen: 2.99 ng

RT: 9.805 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

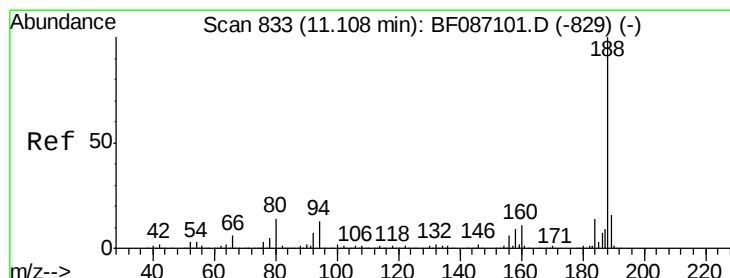
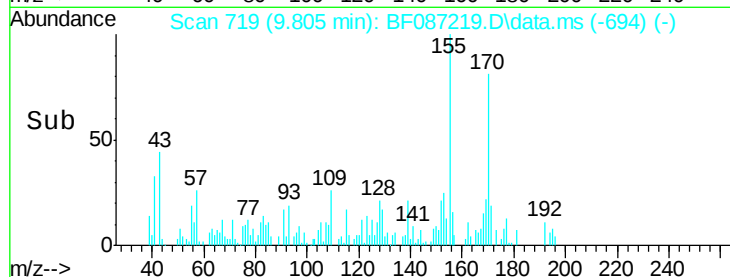
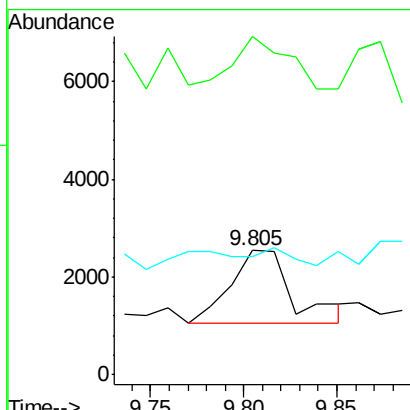
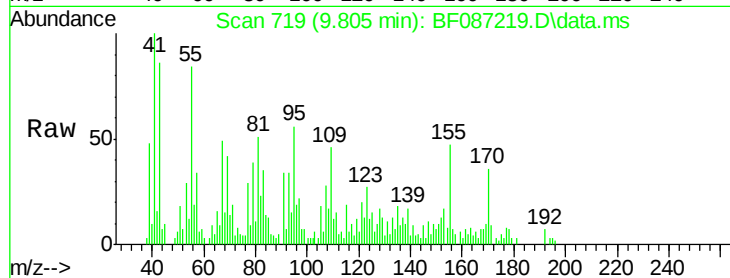
Tot Ion:139 Resp: 3525

Ion Ratio Lower Upper

139 100

109 272.1 36.9 76.9#

65 94.6 64.0 104.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.073 min Scan# 830

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

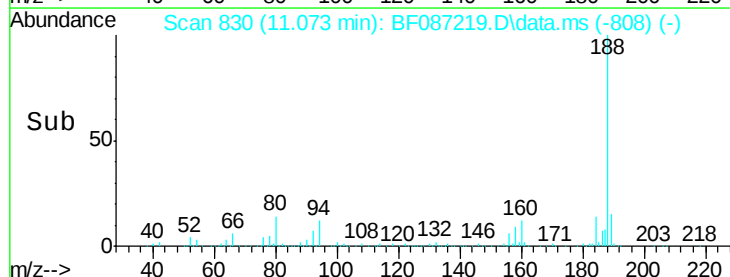
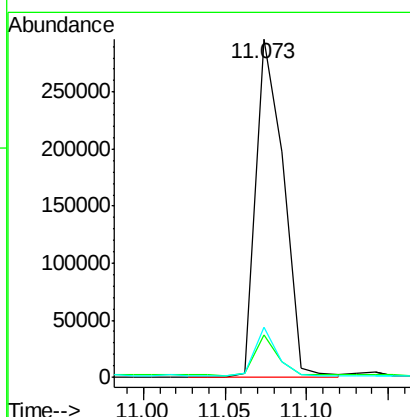
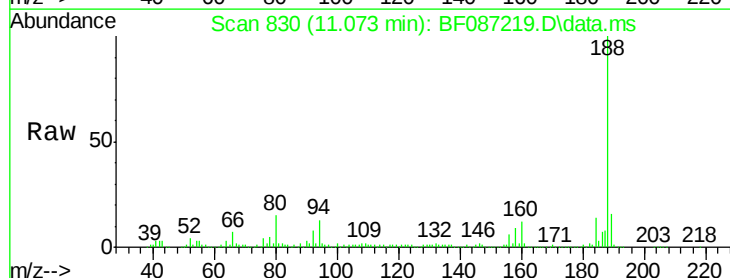
Tgt Ion:188 Resp: 350255

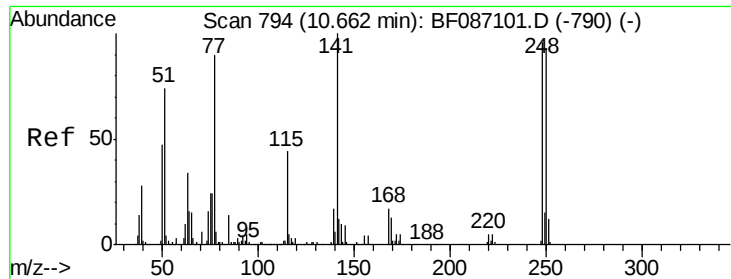
Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

80 14.9 7.1 10.7#





#66

4-Bromophenyl-phenylether

Concen: 5.86 ng

RT: 10.399 min Scan# 77

Delta R.T. -0.274 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

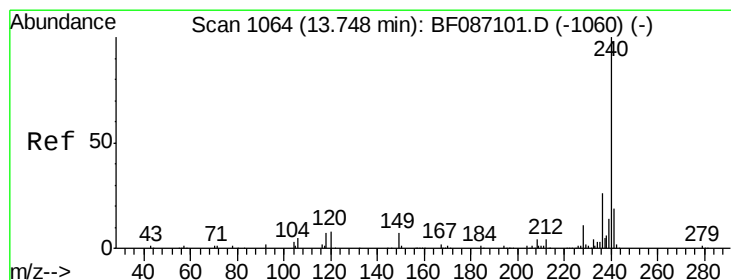
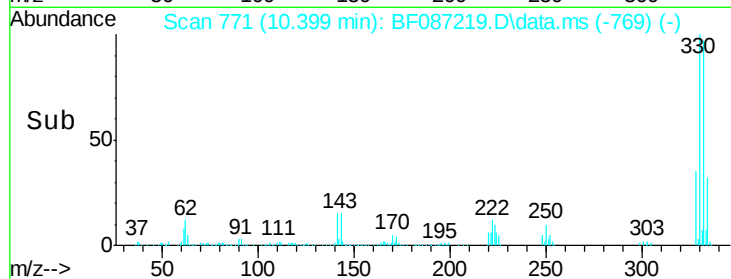
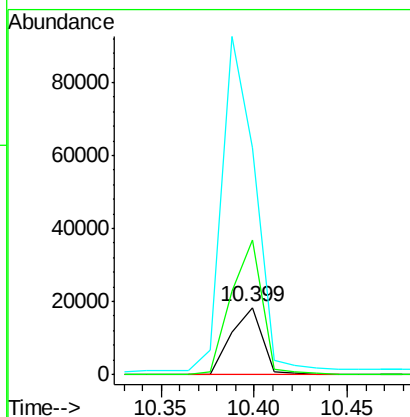
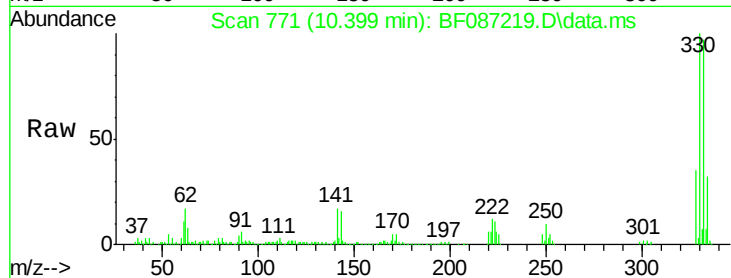
Tot Ion:248 Resp: 21095

Ion Ratio Lower Upper

248 100

250 201.7 78.6 117.8#

141 338.2 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: BF087219.D

Acq: 20 May 2016 8:34

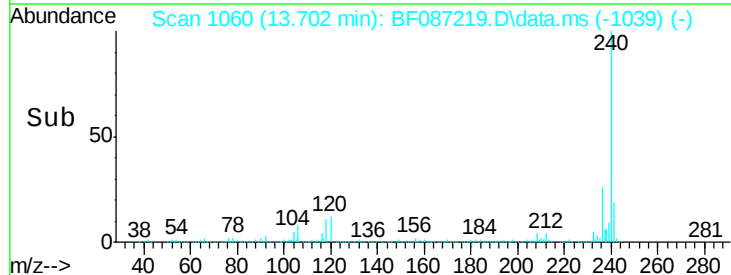
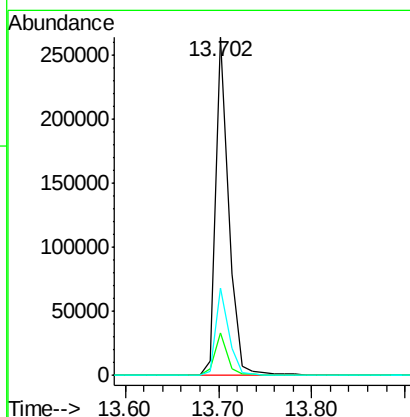
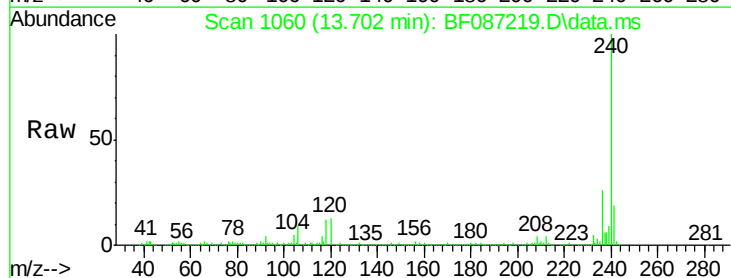
Tgt Ion:240 Resp: 253922

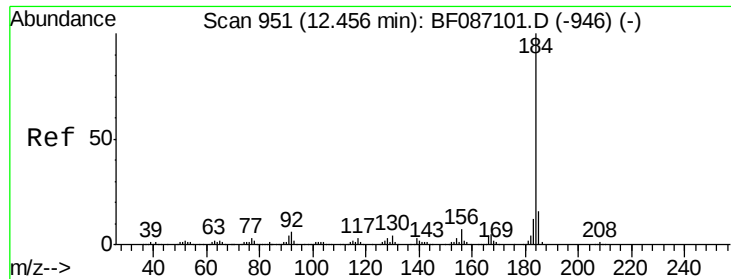
Ion Ratio Lower Upper

240 100

120 12.7 11.2 16.8

236 26.0 21.2 31.8





#76

Benzidine

Concen: 2.63 ng

RT: 12.662 min Scan# 96

Delta R.T. 0.195 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

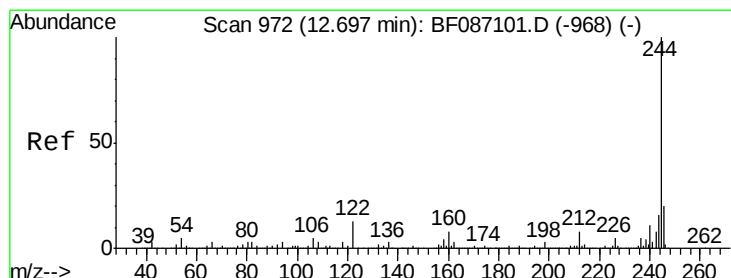
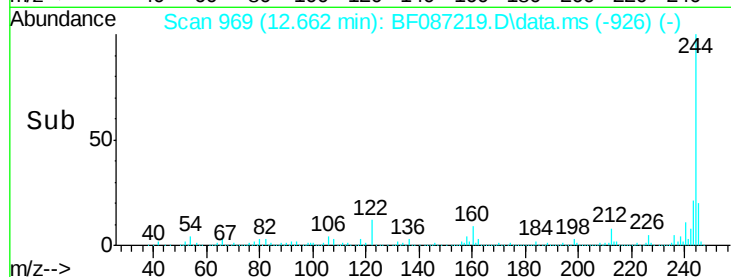
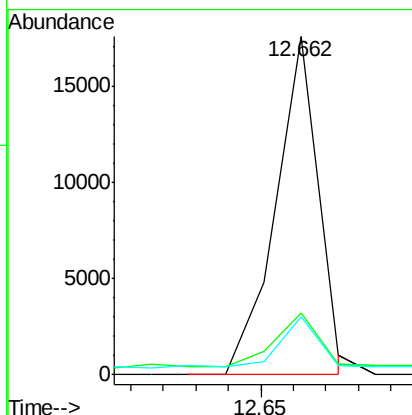
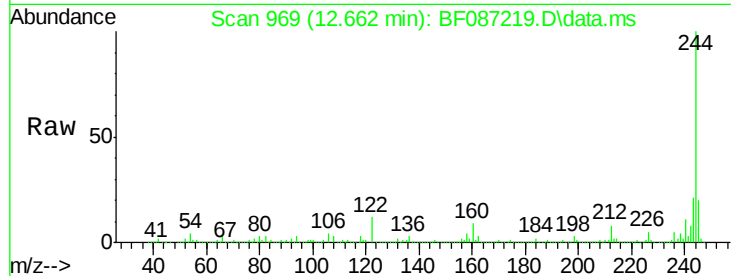
Tot Ion:184 Resp: 16039

Ion Ratio Lower Upper

184 100

185 18.3 13.6 20.4

183 16.9 9.8 14.6#



#78

Terphenyl-d14

Concen: 42.05 ng

RT: 12.662 min Scan# 969

Delta R.T. -0.046 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

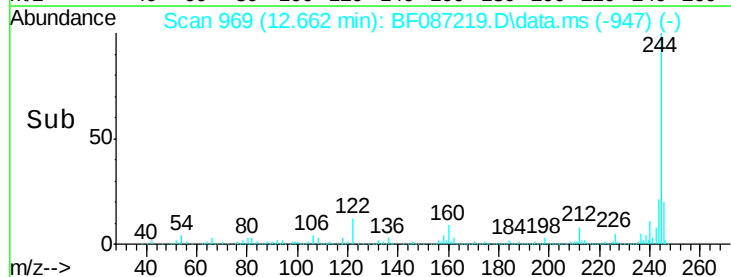
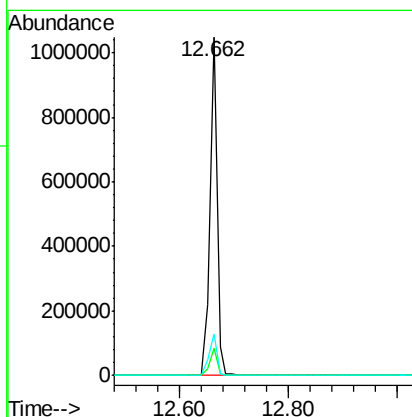
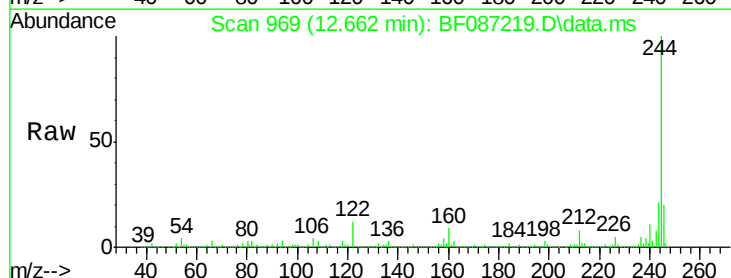
Tgt Ion:244 Resp: 944045

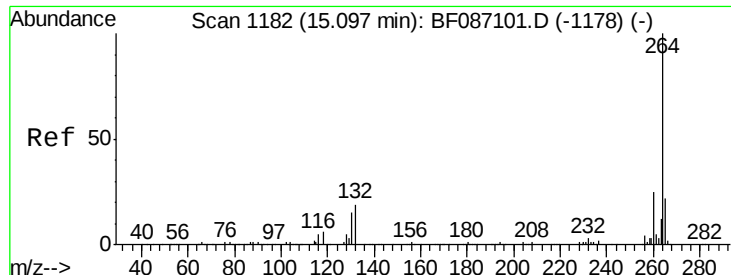
Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

122 12.3 12.0 18.0





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.062 min Scan# 11
Delta R.T. -0.046 min
Lab File: BF087219.D
Acq: 20 May 2016 8:34

Instrument :
BNA_F
ClientSampleId :
RAV-GT-113

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	21.8	17.3	25.9

