

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
 Data File : BF087218.D
 Acq On : 20 May 2016 8:05
 Operator : UM/SJ
 Sample : H3166-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-111

Quant Time: May 20 10:03:59 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)

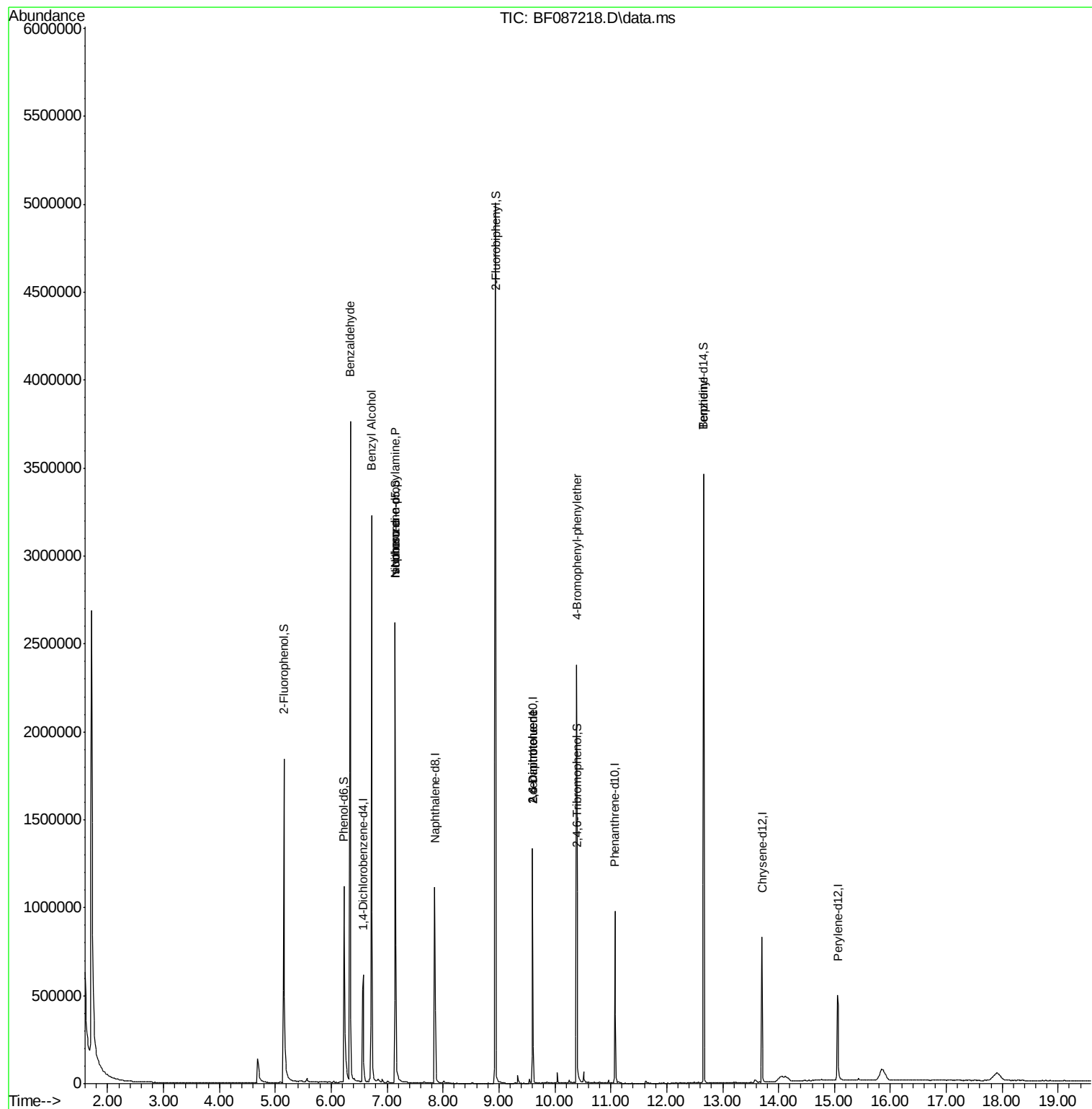
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.570	152	125892	20.00	ng	-0.03
21) Naphthalene-d8	7.850	136	521965	20.00	ng	-0.05
38) Acenaphthene-d10	9.599	164	241845	20.00	ng	-0.05
63) Phenanthrene-d10	11.073	188	380039	20.00	ng	-0.05
75) Chrysene-d12	13.702	240	281174	20.00	ng	-0.06
86) Perylene-d12	15.062	264	258191	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.153	112	577033	38.52	ng	-0.05
7) Phenol-d6	6.227	99	530531	26.41	ng	-0.06
23) Nitrobenzene-d5	7.142	82	891981	42.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.399	330	324112	60.64	ng	-0.05
44) 2-Fluorobiphenyl	8.936	172	1511278	51.75	ng	-0.05
78) Terphenyl-d14	12.662	244	1024592	41.22	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.341	77	27721	3.84	ng	Qvalue # 80
15) Benzyl Alcohol	6.719	79	16308	2.18	ng	# 45
19) n-Nitroso-di-n-propyla...	7.142	70	125192	16.39	ng	# 72
25) Isophorone	7.142	82	788681	41.14	ng	# 68
50) 2,6-Dinitrotoluene	9.599	165	31163	7.78	ng	# 21
56) 2,4-Dinitrotoluene	9.599	165	31163	6.07	ng	# 16
66) 4-Bromophenyl-phenylether	10.388	248	19014	4.87	ng	# 1
76) Benzidine	12.662	184	16658	2.53	ng	# 97

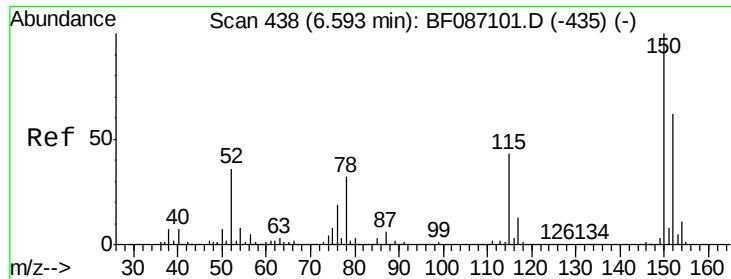
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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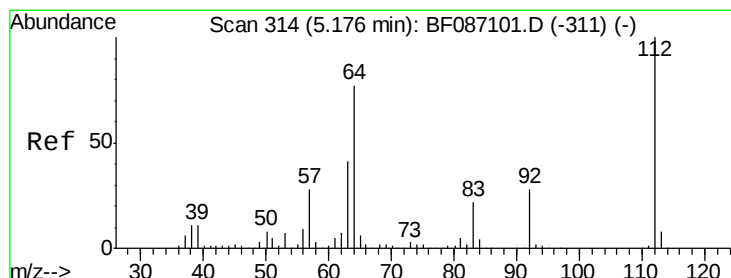
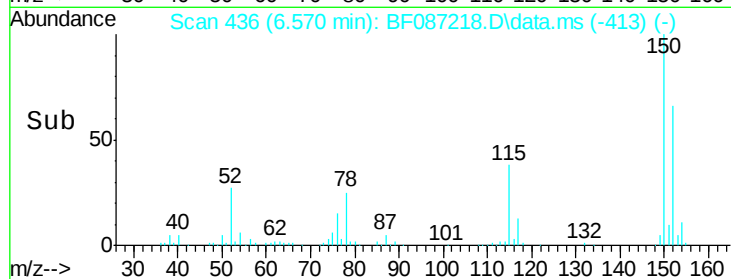
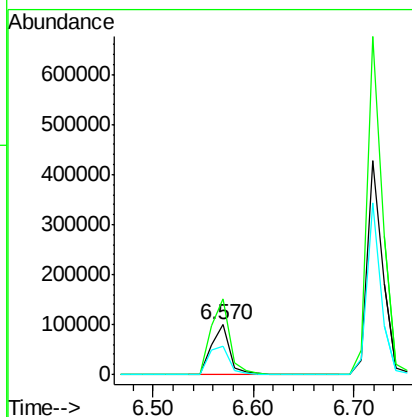
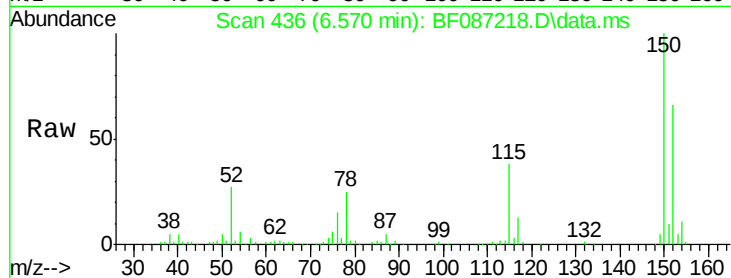




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.570 min Scan# 43
 Delta R.T. -0.034 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

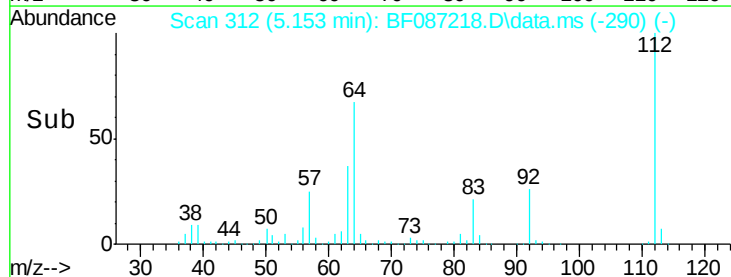
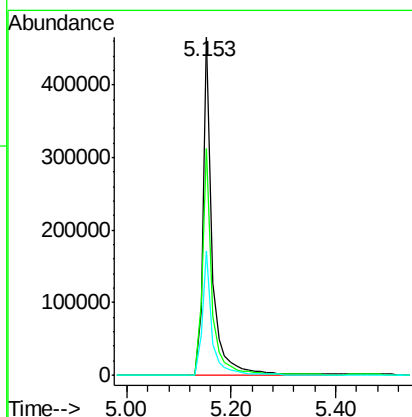
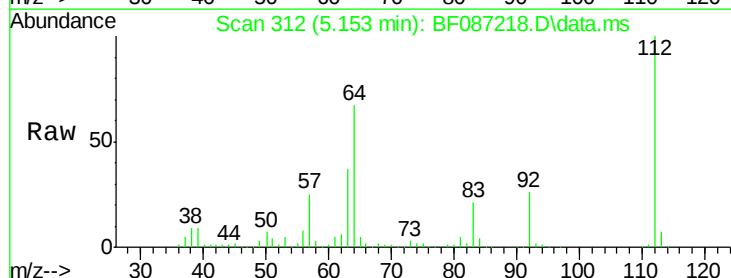
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-111

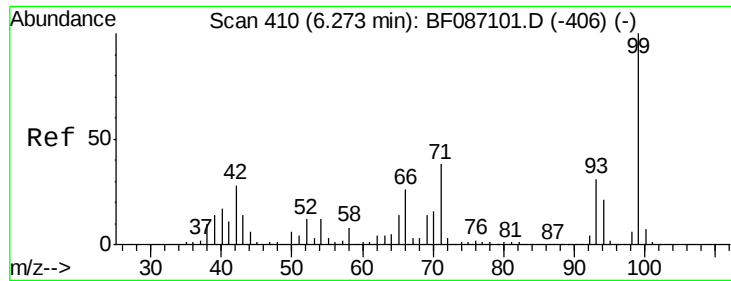
Tot Ion:152 Resp: 125892
 Ion Ratio Lower Upper
 152 100
 150 150.8 125.8 188.6
 115 57.2 51.5 77.3



#5
 2-Fluorophenol
 Concen: 38.52 ng
 RT: 5.153 min Scan# 312
 Delta R.T. -0.046 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Tgt Ion:112 Resp: 577033
 Ion Ratio Lower Upper
 112 100
 64 67.1 52.1 78.1
 63 36.7 25.7 38.5





#7

Phenol-d6

Concen: 26.41 ng

RT: 6.227 min Scan# 40

Delta R.T. -0.057 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

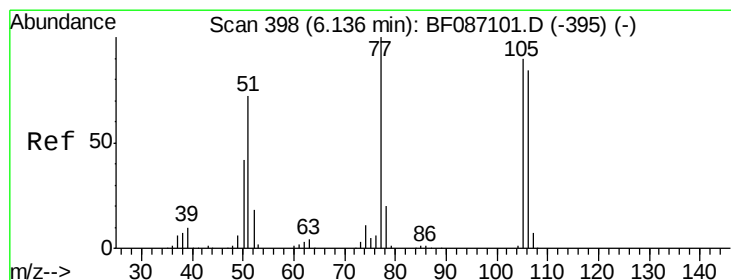
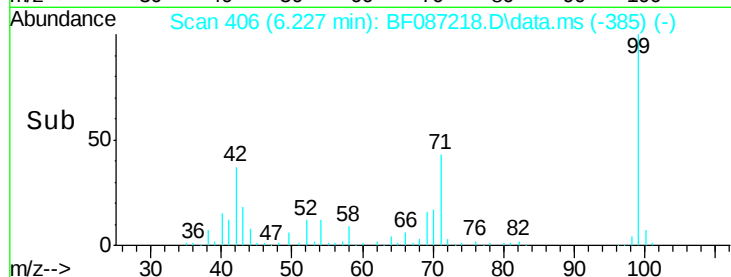
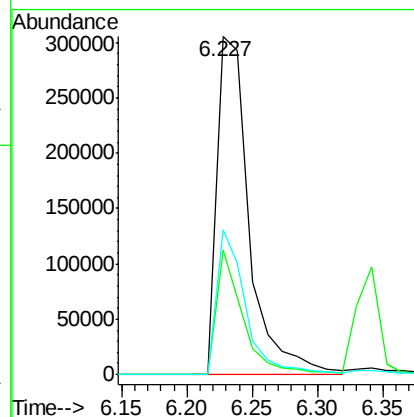
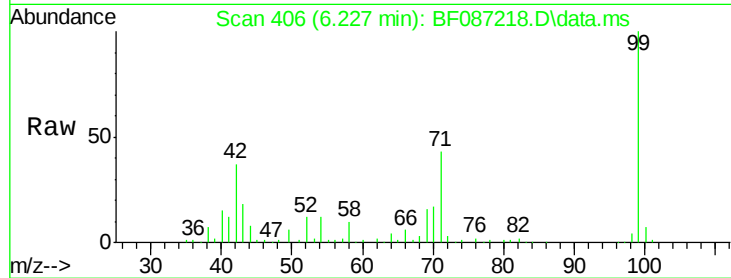
Tot Ion: 99 Resp: 530531

Ion Ratio Lower Upper

99 100

42 36.9 13.6 20.4#

71 42.7 24.6 36.8#



#9

Benzaldehyde

Concen: 3.84 ng

RT: 6.341 min Scan# 416

Delta R.T. 0.194 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

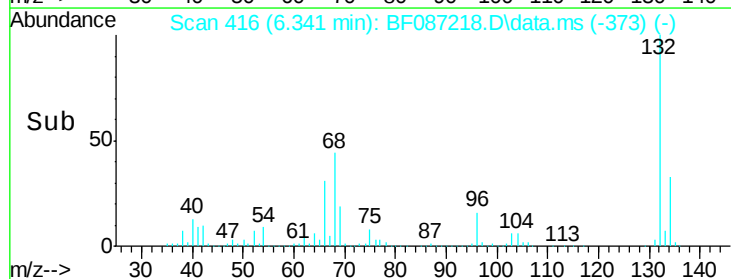
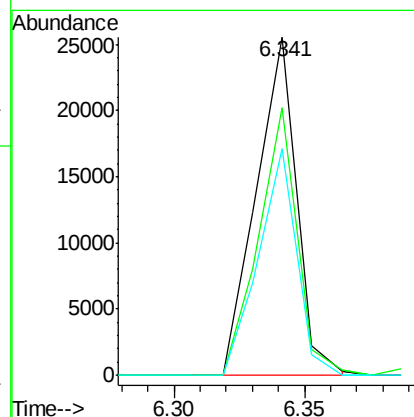
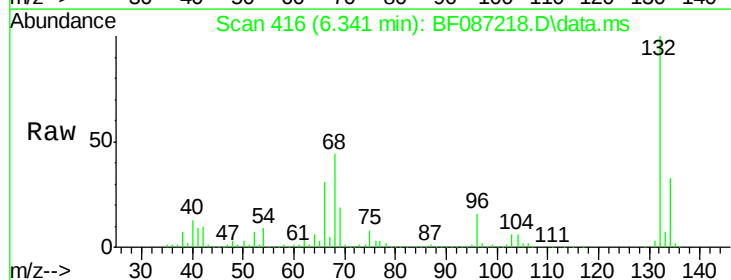
Tgt Ion: 77 Resp: 27721

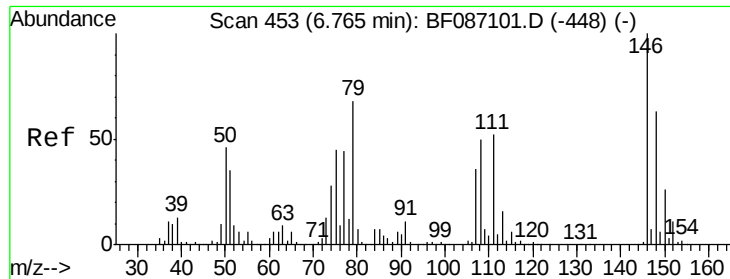
Ion Ratio Lower Upper

77 100

105 79.3 72.7 112.7

106 66.9 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.719 min Scan# 44

Delta R.T. -0.057 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

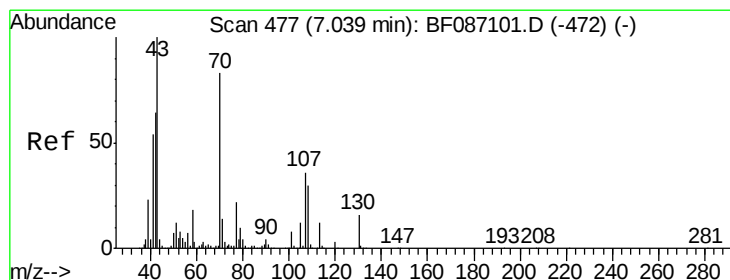
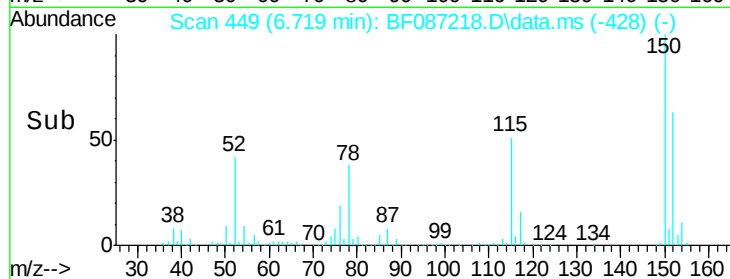
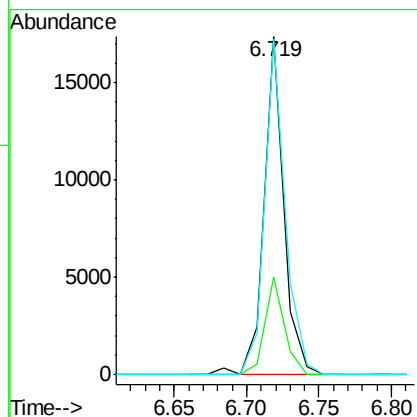
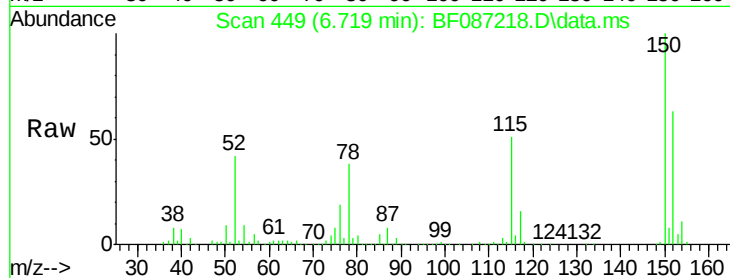
Tot Ion: 79 Resp: 16308

Ion Ratio Lower Upper

79 100

108 28.8 68.4 102.6#

77 99.2 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.39 ng

RT: 7.142 min Scan# 486

Delta R.T. 0.091 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Tgt Ion: 70 Resp: 125192

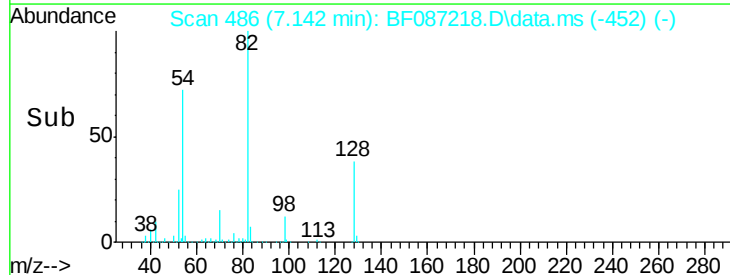
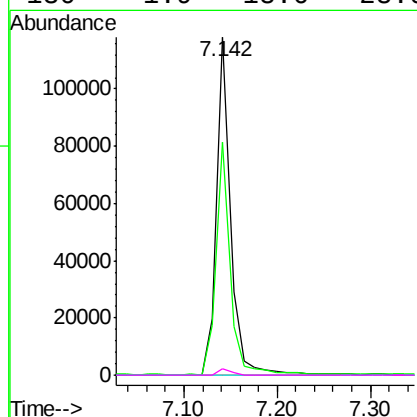
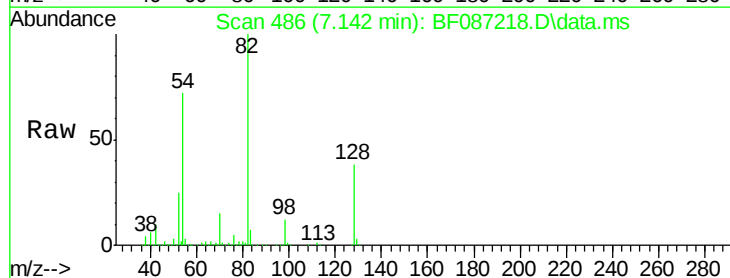
Ion Ratio Lower Upper

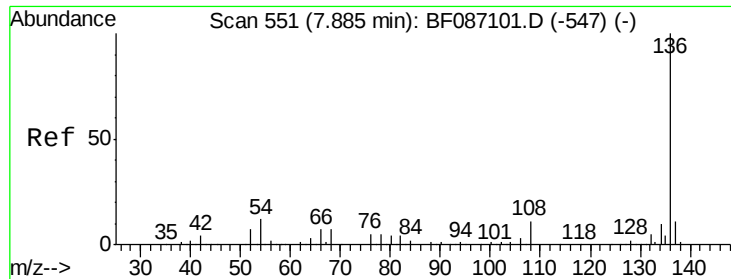
70 100

42 68.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

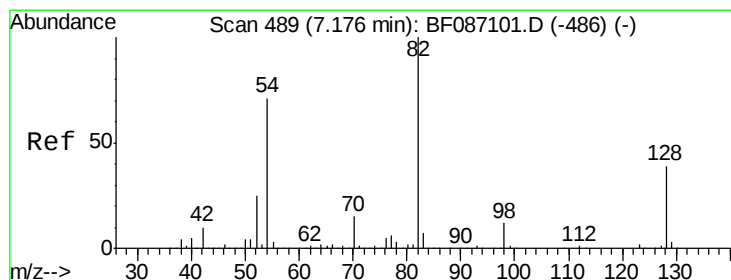
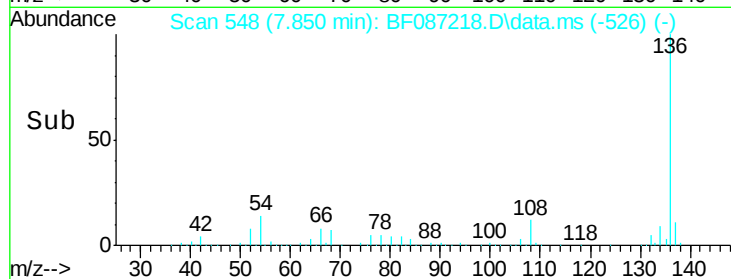
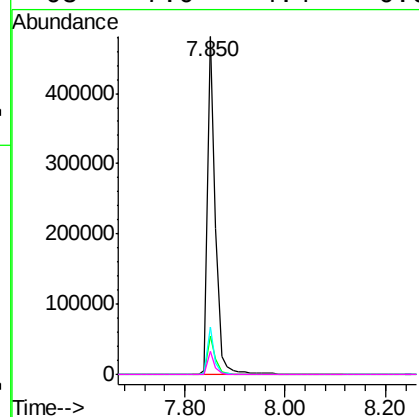
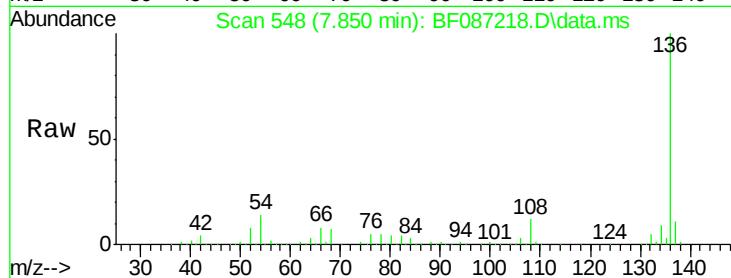




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.850 min Scan# 54
Delta R.T. -0.046 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

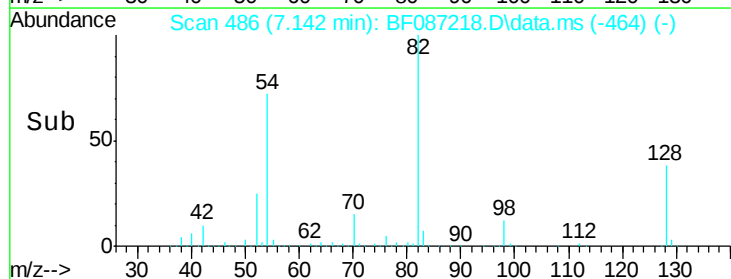
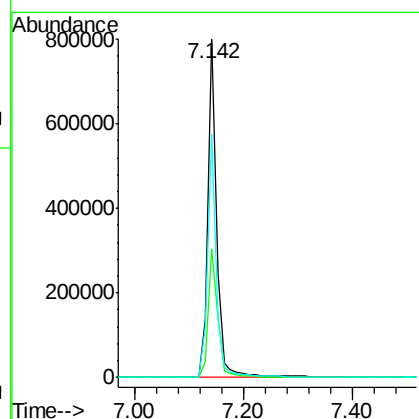
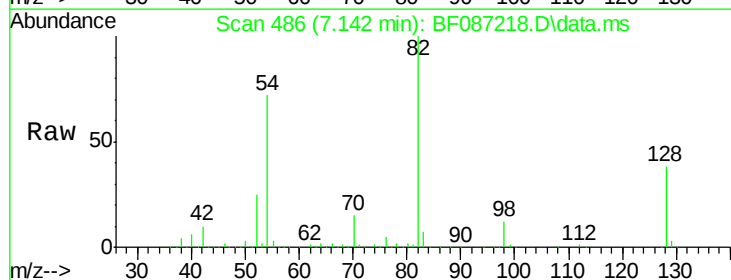
Instrument :
BNA_F
ClientSampleId :
RAV-GT-111

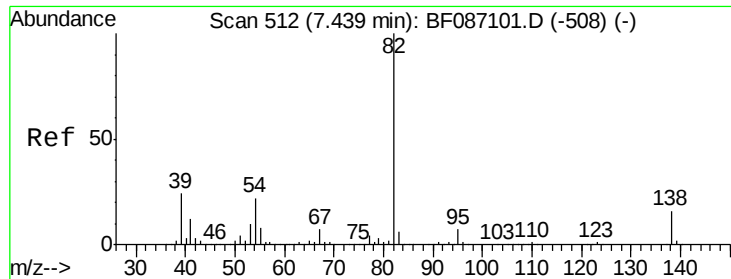
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	14.0	5.0	7.4#
68	7.0	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 42.58 ng
RT: 7.142 min Scan# 486
Delta R.T. -0.046 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	40.6	61.0#
54	72.1	38.1	57.1#





#25

Isophorone

Concen: 41.14 ng

RT: 7.142 min Scan# 48

Delta R.T. -0.309 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

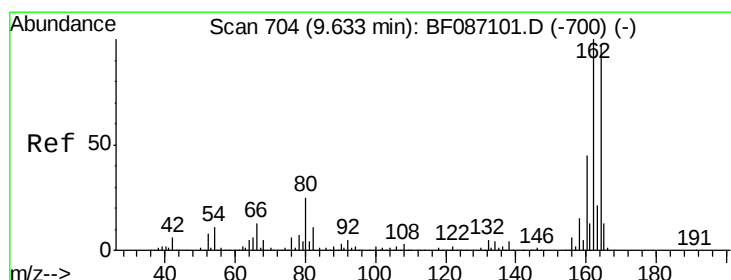
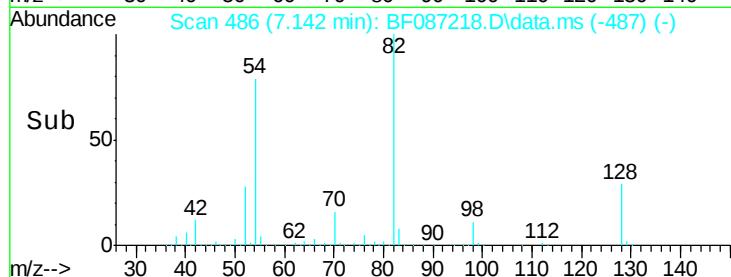
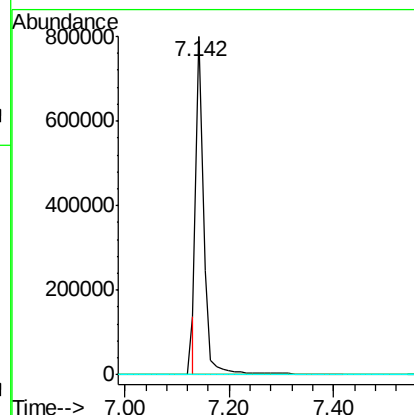
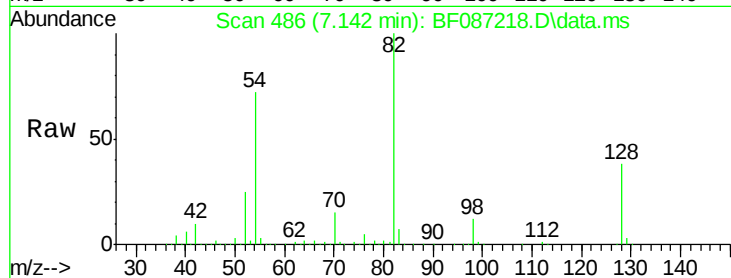
Tot Ion: 82 Resp: 788681

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.599 min Scan# 701

Delta R.T. -0.046 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

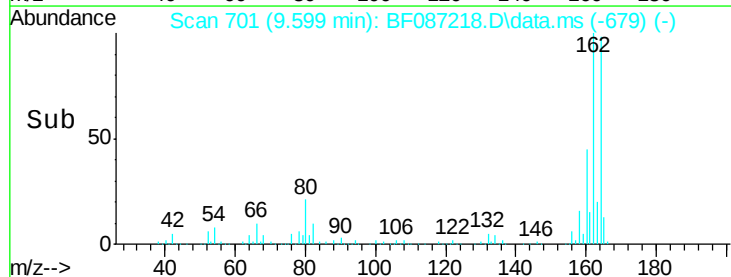
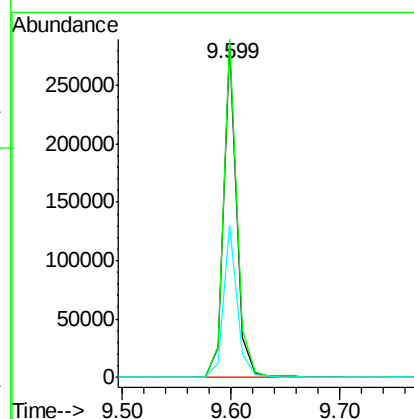
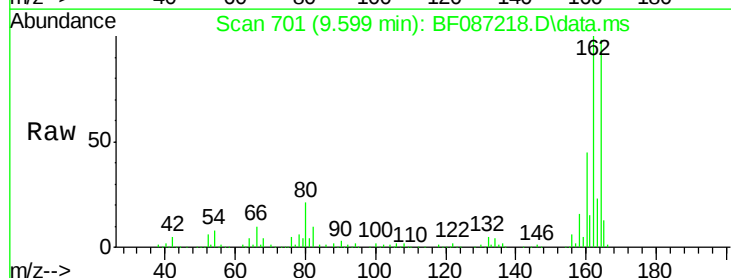
Tgt Ion: 164 Resp: 241845

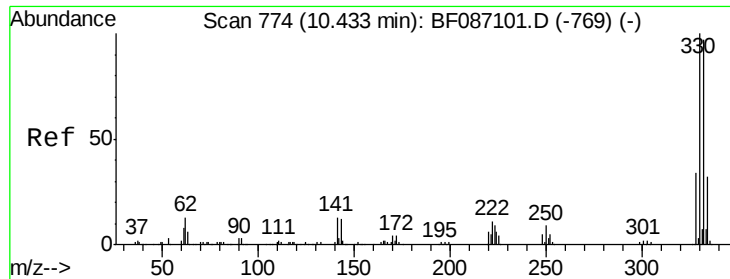
Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

160 46.1 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 60.64 ng

RT: 10.399 min Scan# 77

Delta R.T. -0.046 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

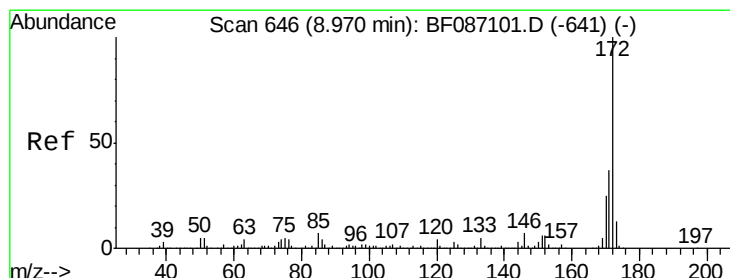
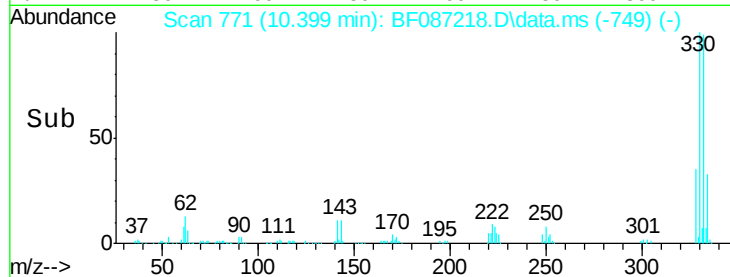
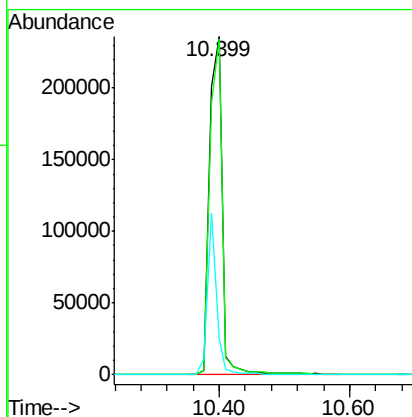
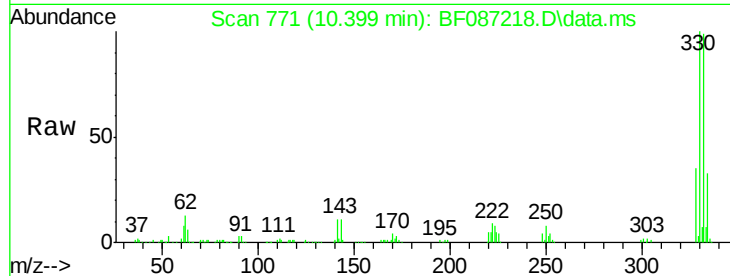
Tot Ion:330 Resp: 324112

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 33.5 31.2 46.8



#44

2-Fluorobiphenyl

Concen: 51.75 ng

RT: 8.936 min Scan# 643

Delta R.T. -0.046 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

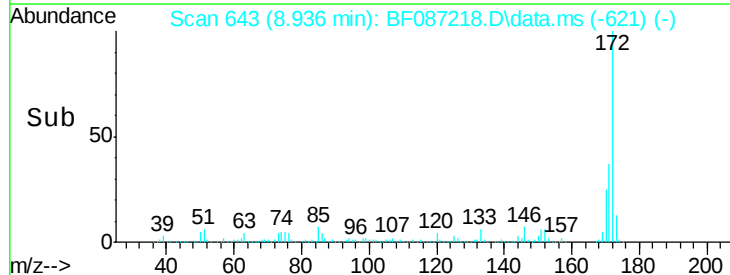
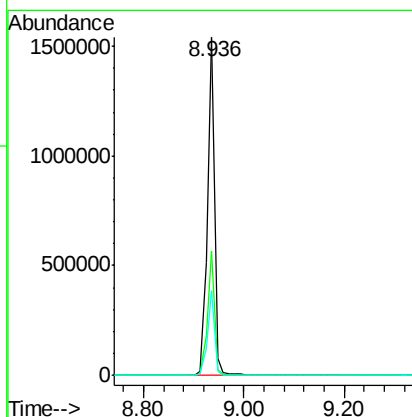
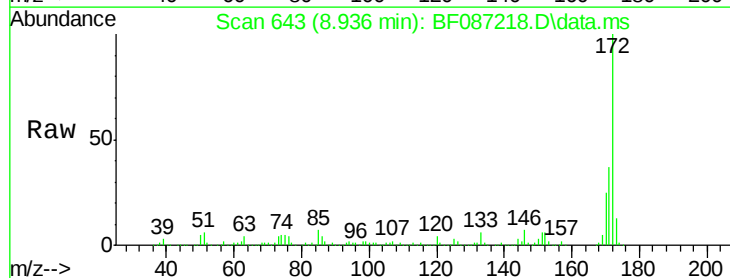
Tgt Ion:172 Resp: 1511278

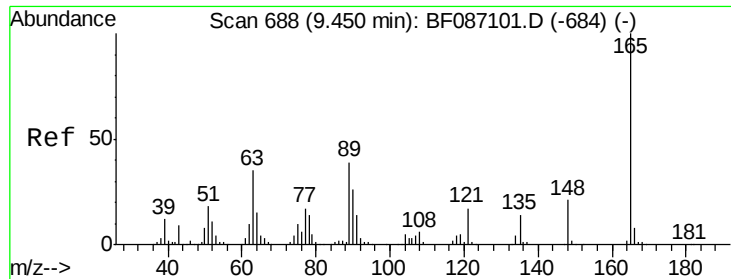
Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.6

170 24.9 19.8 29.8

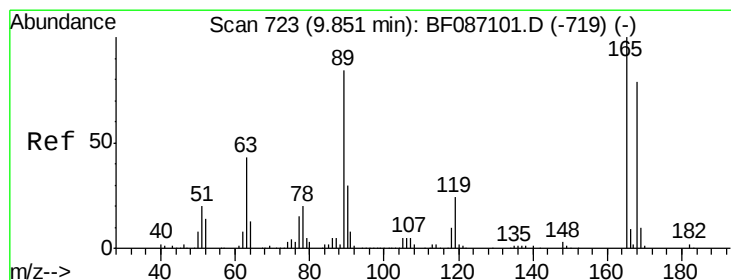
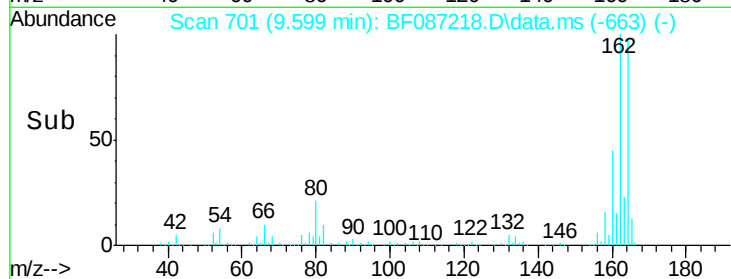
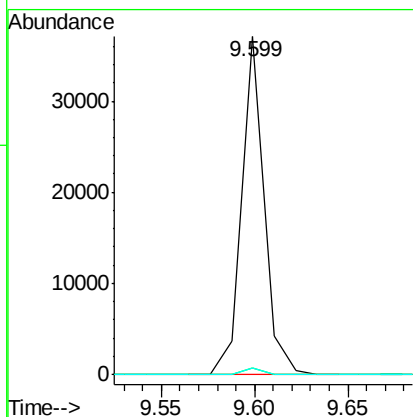
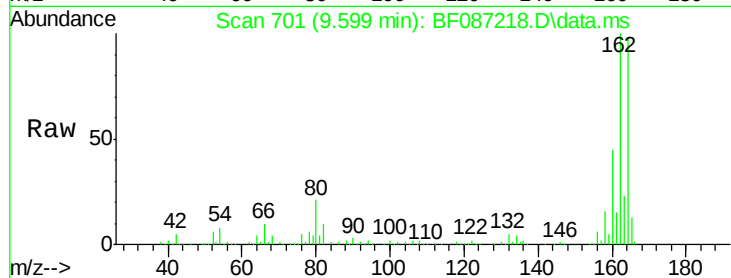




#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.599 min Scan# 701
Delta R.T. 0.137 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

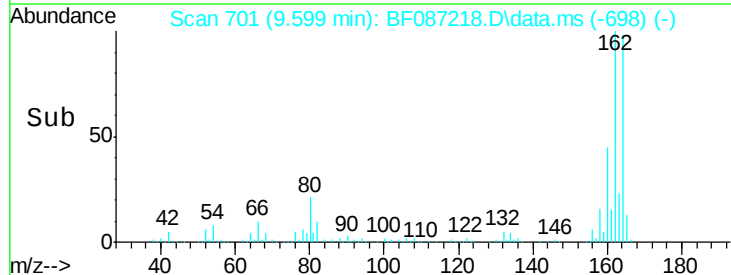
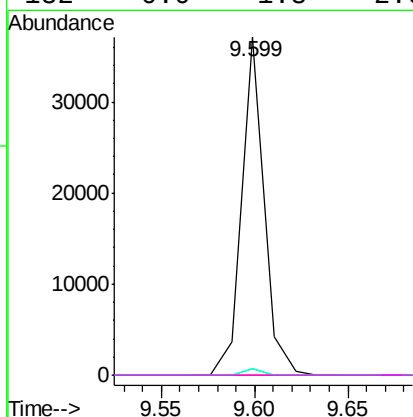
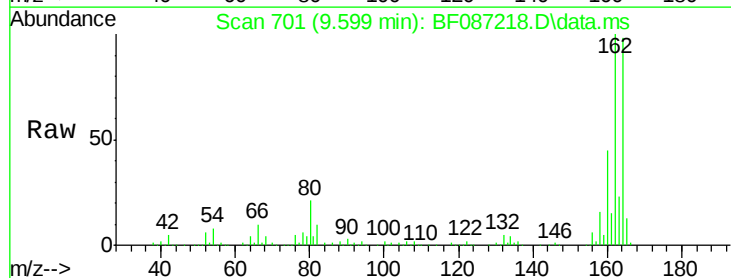
Instrument :
BNA_F
ClientSampleId :
RAV-GT-111

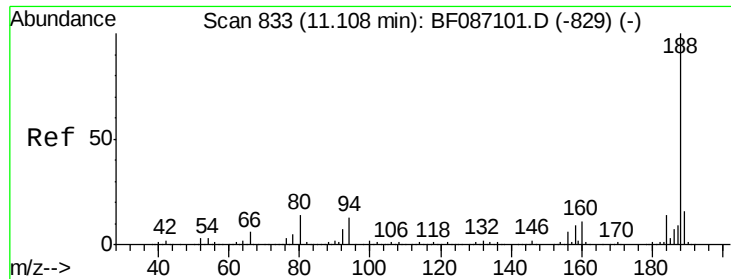
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	51.8	77.8#
89	2.0	50.7	76.1#



#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.599 min Scan# 701
Delta R.T. -0.263 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	2.0	70.0	105.0#
182	0.0	1.8	2.6#

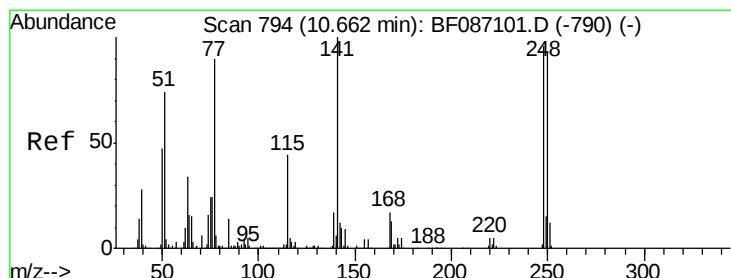
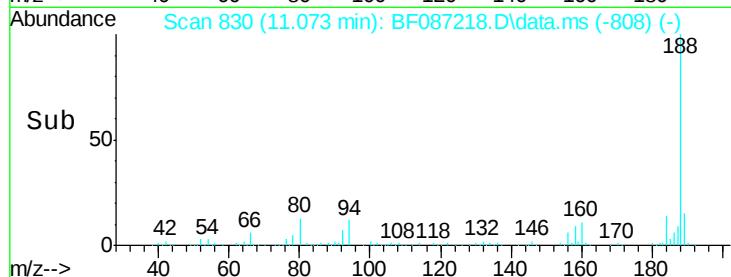
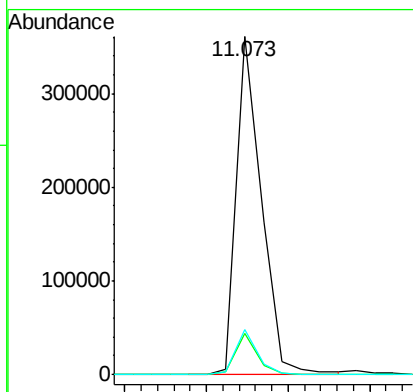
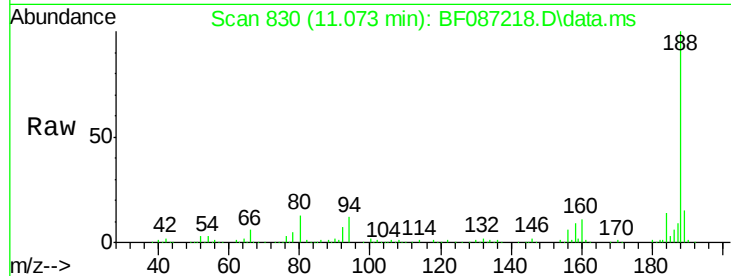




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.073 min Scan# 83
Delta R.T. -0.046 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

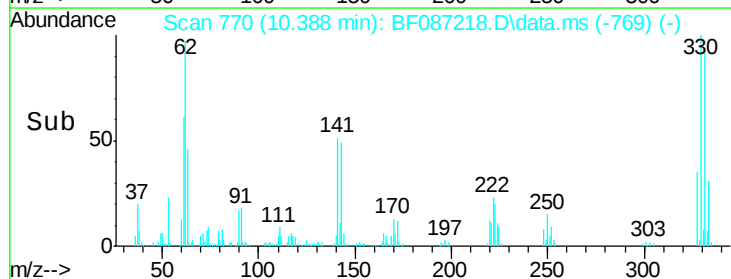
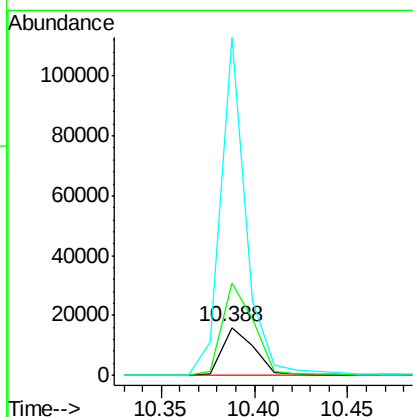
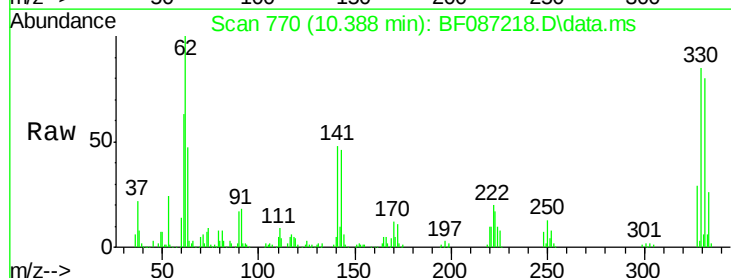
Instrument :
BNA_F
ClientSampleId :
RAV-GT-111

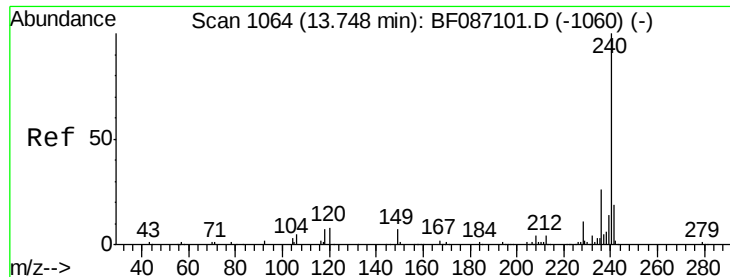
Tot Ion:188 Resp: 380039
Ion Ratio Lower Upper
188 100
94 12.1 6.8 10.2#
80 13.4 7.1 10.7#



#66
4-Bromophenyl-phenylether
Concen: 4.87 ng
RT: 10.388 min Scan# 770
Delta R.T. -0.286 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

Tgt Ion:248 Resp: 19014
Ion Ratio Lower Upper
248 100
250 192.8 78.6 117.8#
141 702.2 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.702 min Scan# 10

Delta R.T. -0.057 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

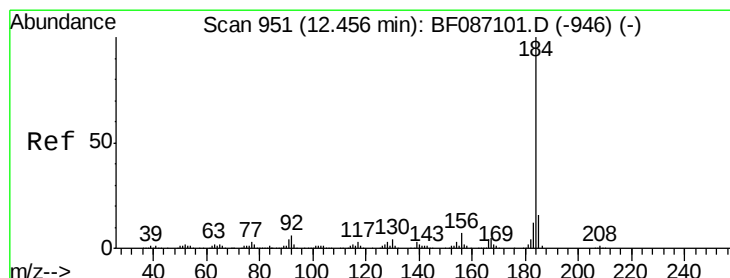
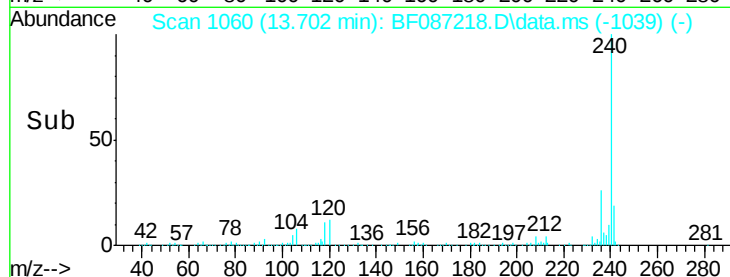
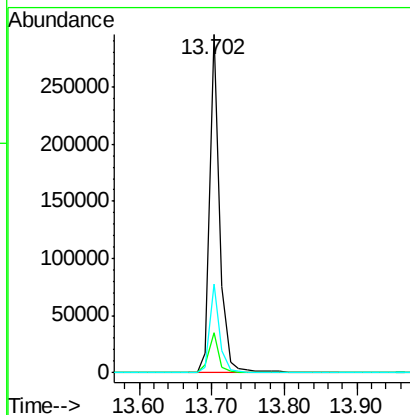
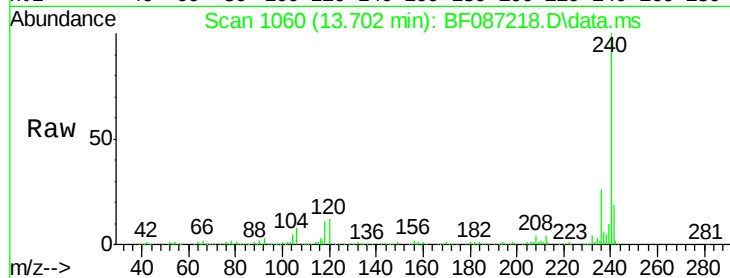
Tot Ion:240 Resp: 281174

Ion Ratio Lower Upper

240 100

120 11.9 11.2 16.8

236 26.0 21.2 31.8



#76

Benzidine

Concen: 2.53 ng

RT: 12.662 min Scan# 969

Delta R.T. 0.195 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

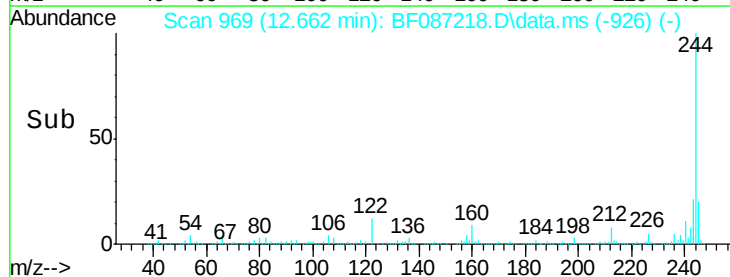
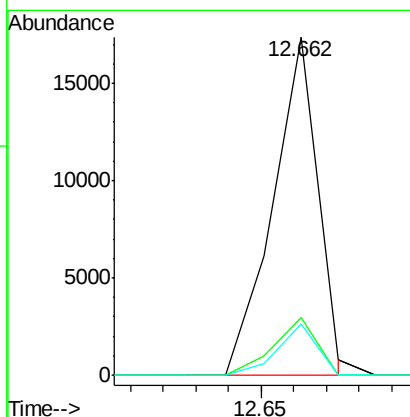
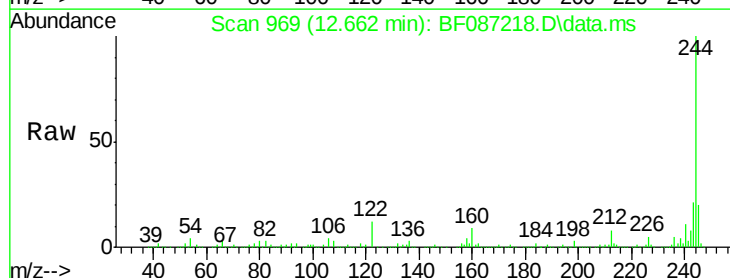
Tgt Ion:184 Resp: 16658

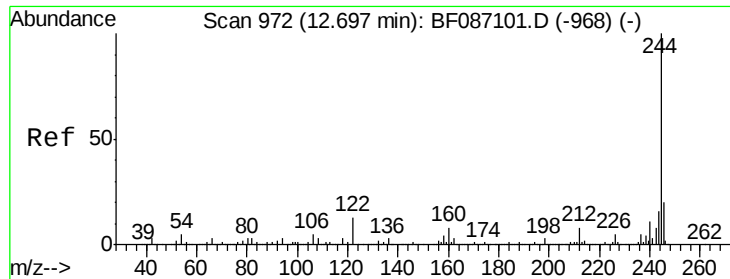
Ion Ratio Lower Upper

184 100

185 17.3 13.6 20.4

183 15.1 9.8 14.6#





#78

Terphenyl-d14

Concen: 41.22 ng

RT: 12.662 min Scan# 96

Delta R.T. -0.046 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT-111

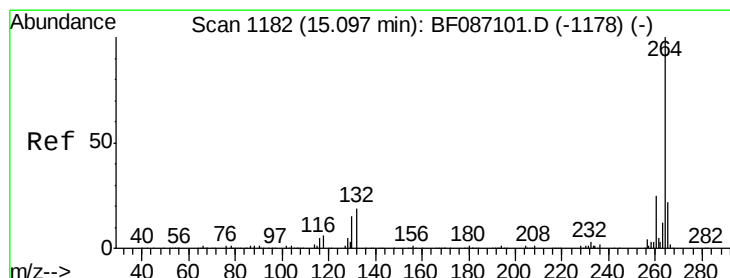
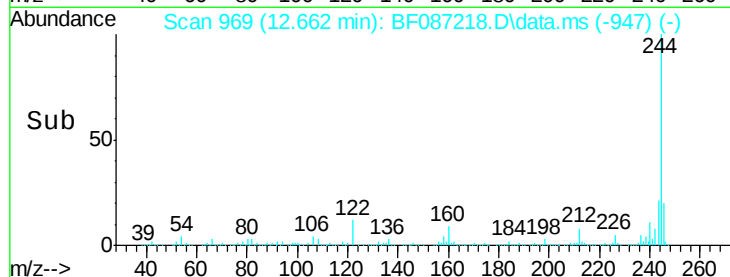
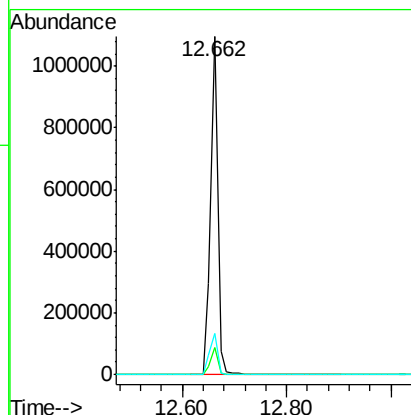
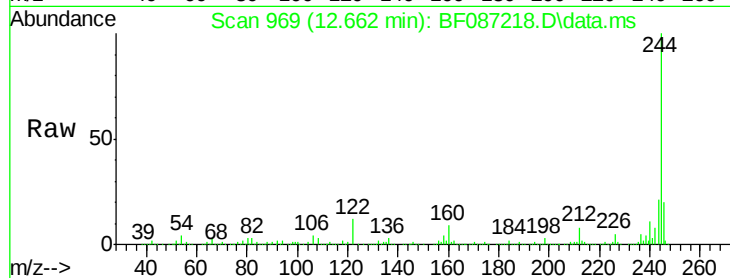
Tot Ion:244 Resp: 1024592

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

122 12.1 12.0 18.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.062 min Scan# 1179

Delta R.T. -0.046 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Tgt Ion:264 Resp: 258191

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.4 17.3 25.9

