

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
 Data File : BF087216.D
 Acq On : 20 May 2016 7:07
 Operator : UM/SJ
 Sample : H3141-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-105

Quant Time: May 20 10:02:30 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)

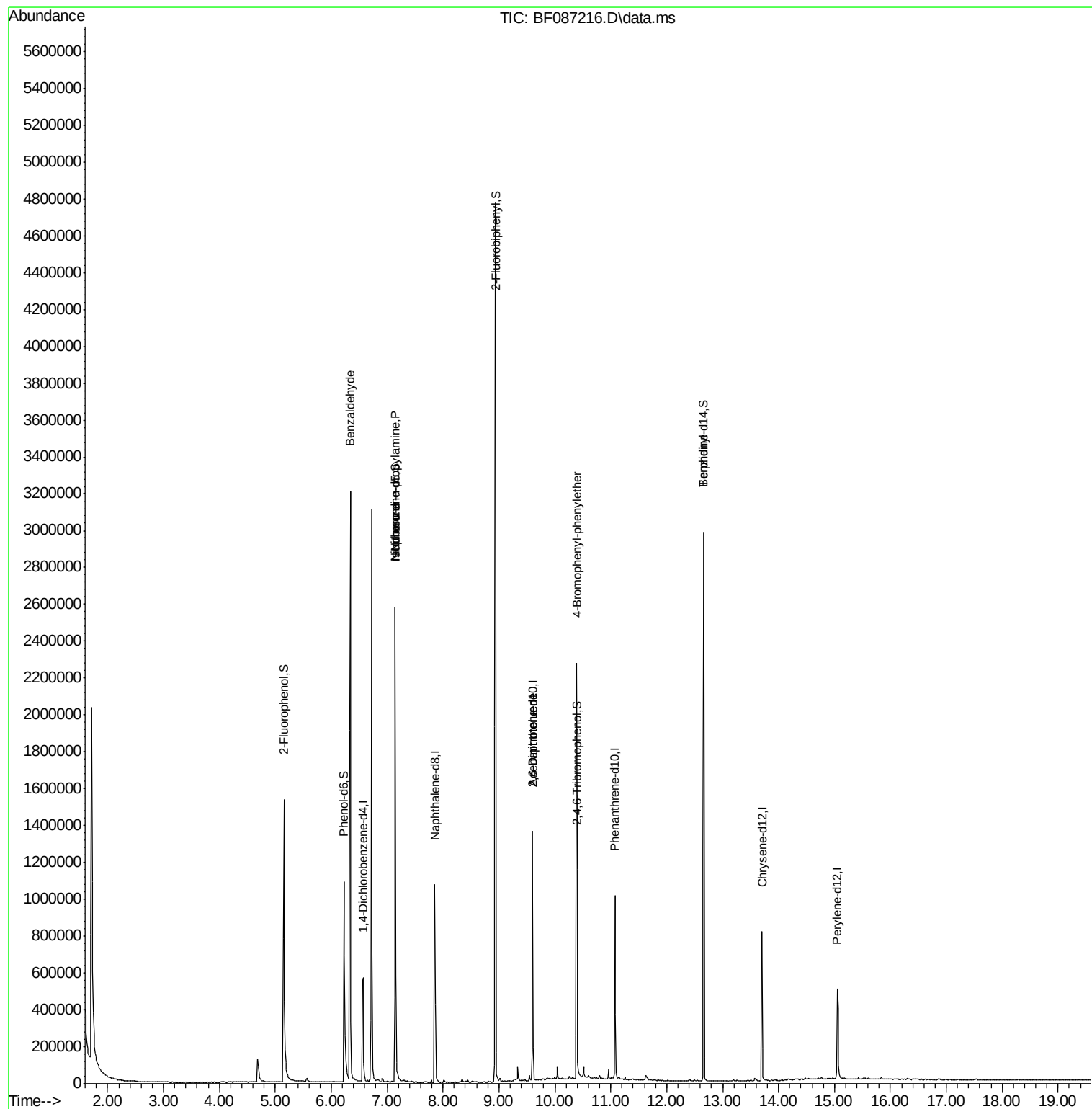
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.570	152	123840	20.00	ng	-0.03
21) Naphthalene-d8	7.850	136	515796	20.00	ng	-0.05
38) Acenaphthene-d10	9.599	164	236327	20.00	ng	-0.05
63) Phenanthrene-d10	11.074	188	371092	20.00	ng	-0.05
75) Chrysene-d12	13.702	240	268863	20.00	ng	-0.06
86) Perylene-d12	15.051	264	245061	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.153	112	548896	37.25	ng	-0.05
7) Phenol-d6	6.227	99	492582	24.92	ng	-0.06
23) Nitrobenzene-d5	7.142	82	837024	40.44	ng	-0.05
41) 2,4,6-Tribromophenol	10.399	330	323042	61.85	ng	-0.05
44) 2-Fluorobiphenyl	8.936	172	1476868	51.75	ng	-0.05
78) Terphenyl-d14	12.662	244	926354	38.97	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.342	77	25839	3.62	ng	Qvalue # 81
19) n-Nitroso-di-n-propyla...	7.142	70	119452	15.90	ng	# 72
25) Isophorone	7.142	82	736798	38.89	ng	# 68
50) 2,6-Dinitrotoluene	9.599	165	30656	7.83	ng	# 21
56) 2,4-Dinitrotoluene	9.599	165	30656	6.11	ng	# 16
66) 4-Bromophenyl-phenylether	10.388	248	18240	4.78	ng	# 1
76) Benzydine	12.662	184	15258	2.47	ng	# 95

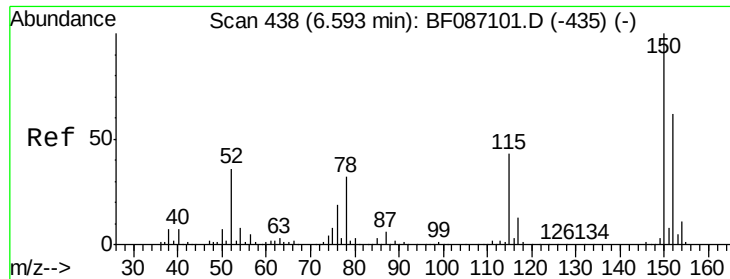
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF051916\RAW\
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Operator : UM/SJ
Sample : H3141-01
Misc :
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Quant Time: May 20 10:02:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
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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: BF087216.D

Acq: 20 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

RAV-GT-105

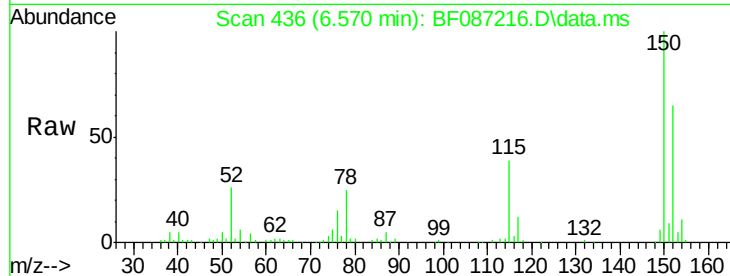
Tot Ion:152 Resp: 123840

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

115 59.4 51.5 77.3



Abundance

600000

500000

400000

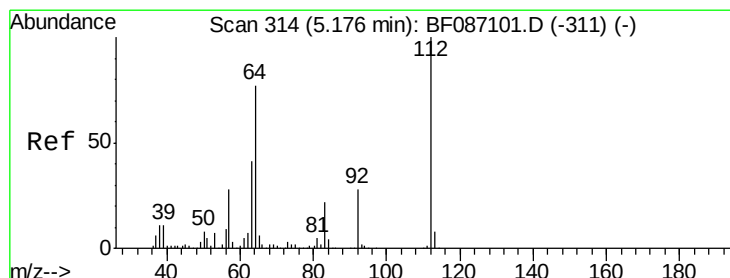
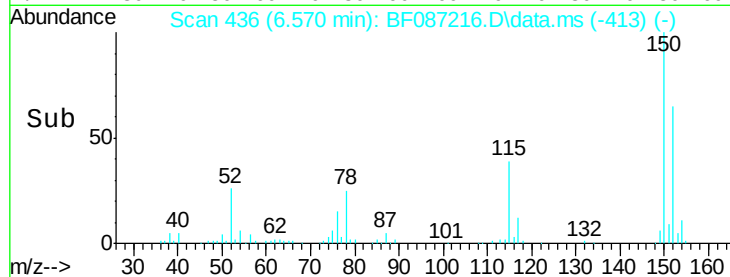
300000

200000

100000

0

Time-->



#5

2-Fluorophenol

Concen: 37.25 ng

RT: 5.153 min Scan# 312

Delta R.T. -0.046 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

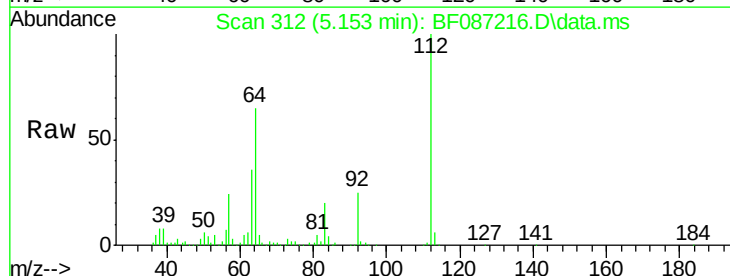
Tgt Ion:112 Resp: 548896

Ion Ratio Lower Upper

112 100

64 65.2 52.1 78.1

63 35.7 25.7 38.5



Abundance

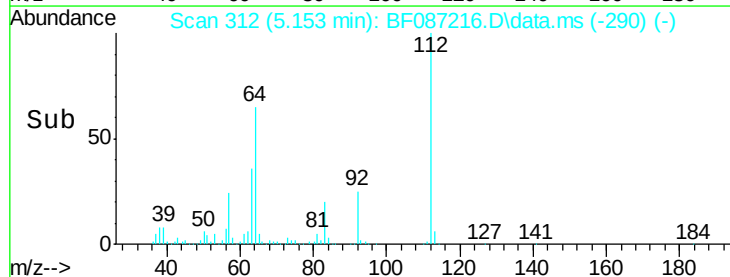
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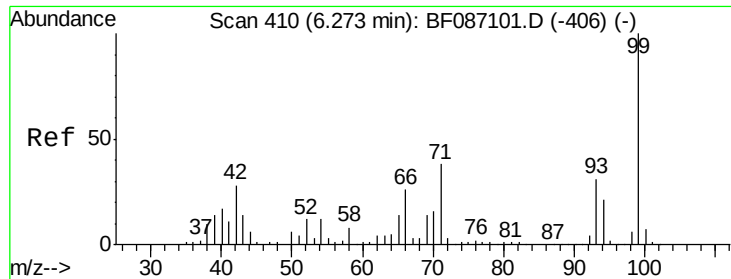
200000

100000

0

Time-->





#7

Phenol-d6

Concen: 24.92 ng

RT: 6.227 min Scan# 40

Delta R.T. -0.057 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

RAV-GT-105

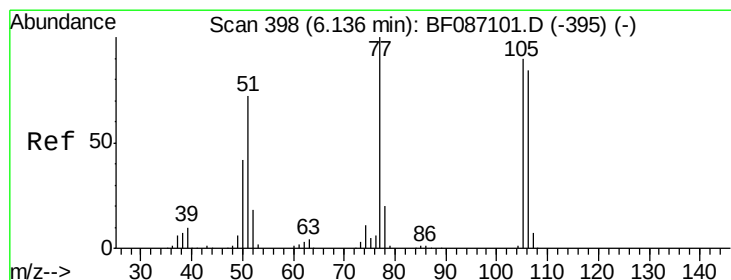
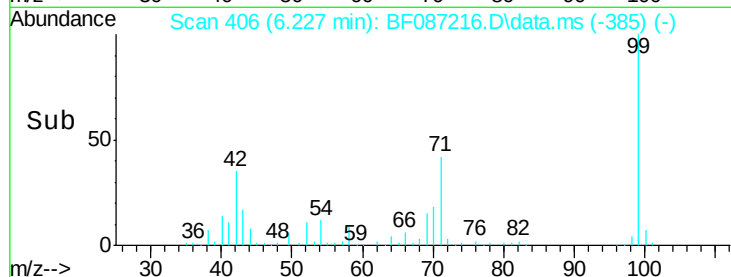
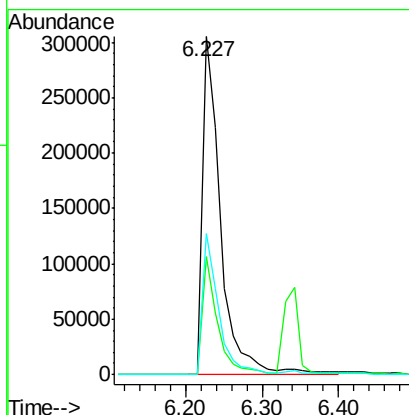
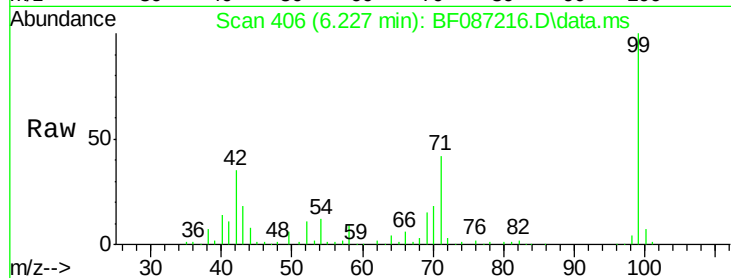
Tot Ion: 99 Resp: 492582

Ion Ratio Lower Upper

99 100

42 35.0 13.6 20.4#

71 41.9 24.6 36.8#



#9

Benzaldehyde

Concen: 3.62 ng

RT: 6.342 min Scan# 416

Delta R.T. 0.195 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

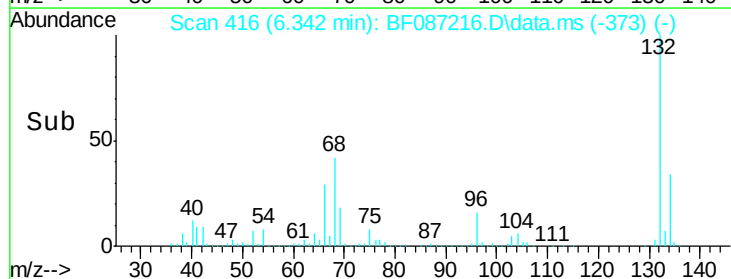
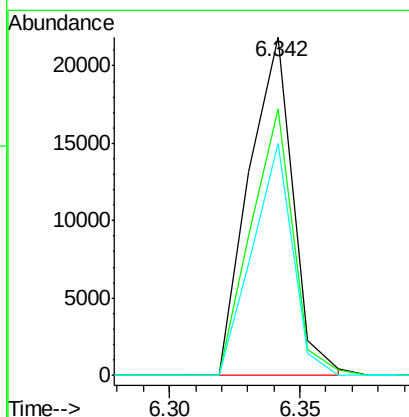
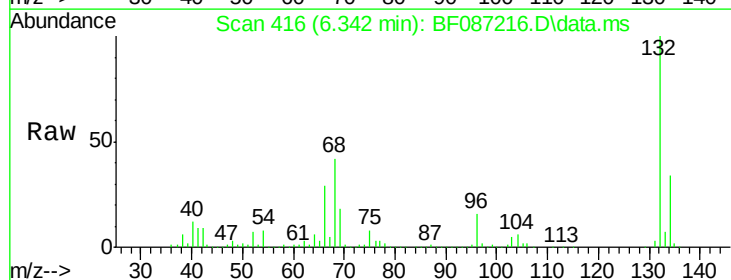
Tgt Ion: 77 Resp: 25839

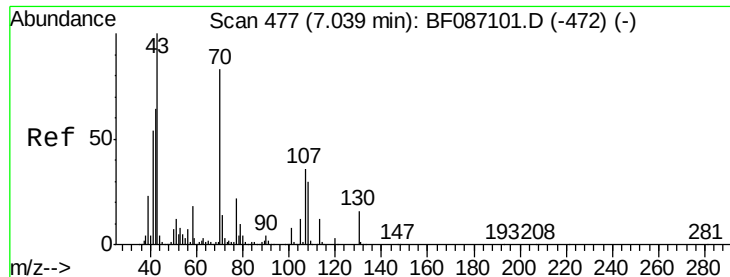
Ion Ratio Lower Upper

77 100

105 78.7 72.7 112.7

106 68.4 70.8 110.8#

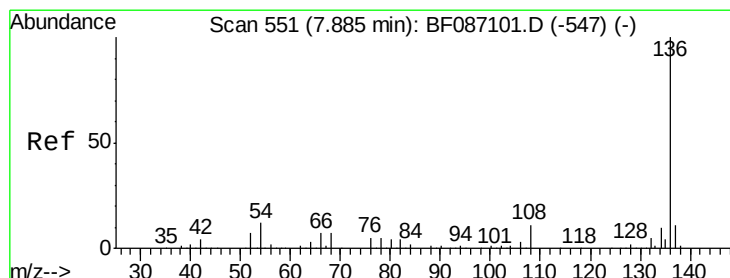
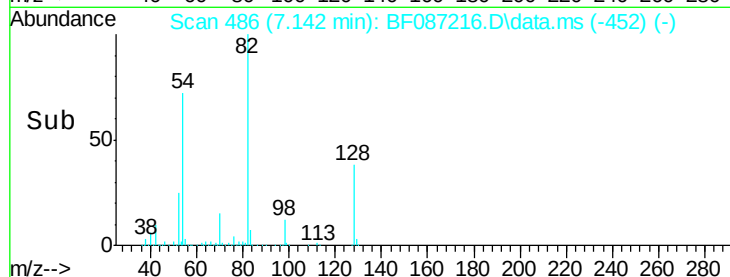
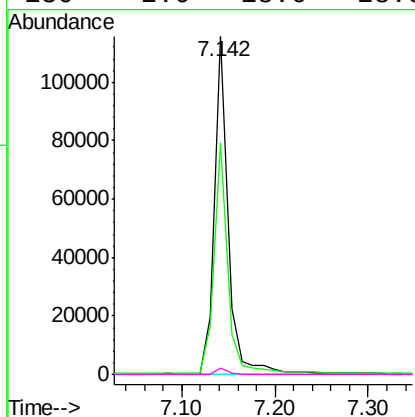
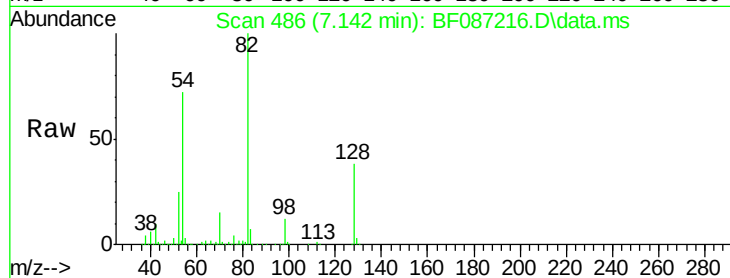




#19
n-Nitroso-di-n-propylamine
Concen: 15.90 ng
RT: 7.142 min Scan# 48
Delta R.T. 0.092 min
Lab File: BF087216.D
Acq: 20 May 2016 7:07

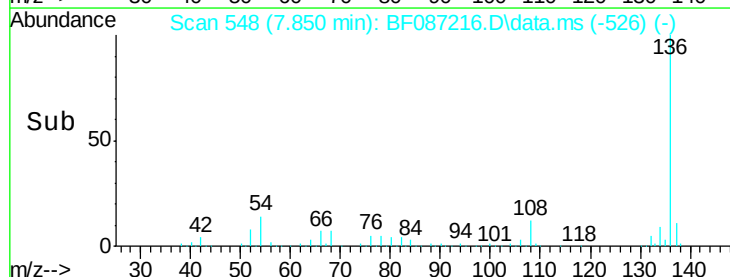
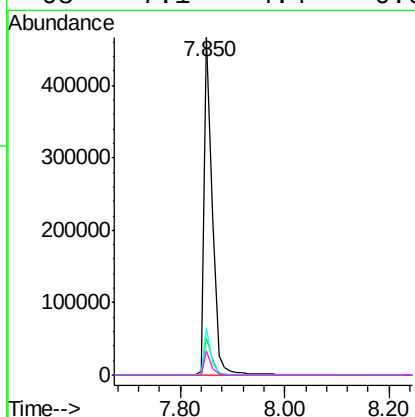
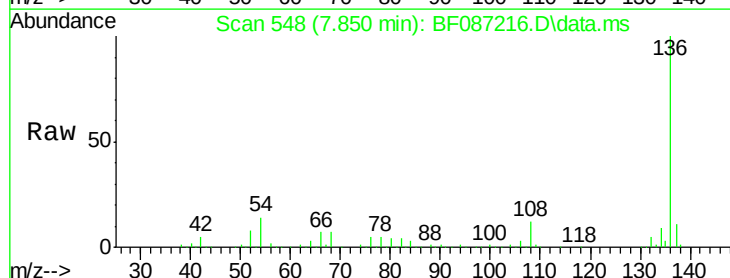
Instrument :
BNA_F
ClientSampleId :
RAV-GT-105

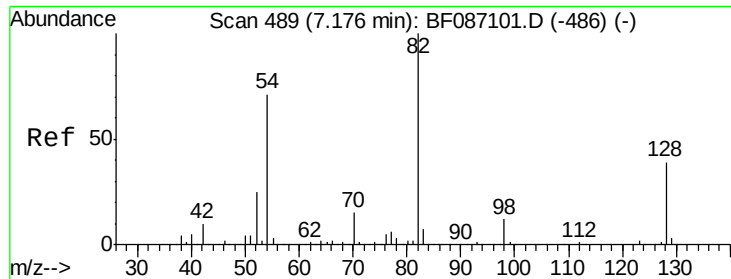
Tot Ion: 70 Resp: 119452
Ion Ratio Lower Upper
70 100
42 68.6 43.1 64.7#
101 0.0 8.1 12.1#
130 2.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.850 min Scan# 548
Delta R.T. -0.046 min
Lab File: BF087216.D
Acq: 20 May 2016 7:07

Tgt Ion: 136 Resp: 515796
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 14.2 5.0 7.4#
68 7.1 4.4 6.6#

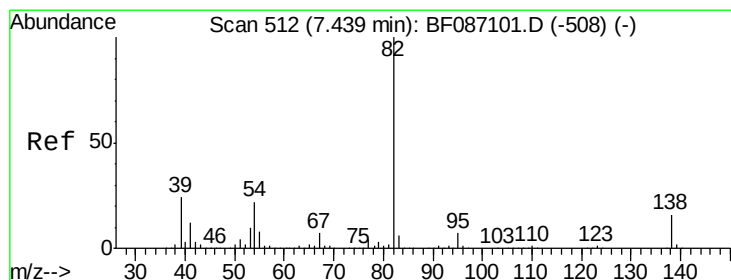
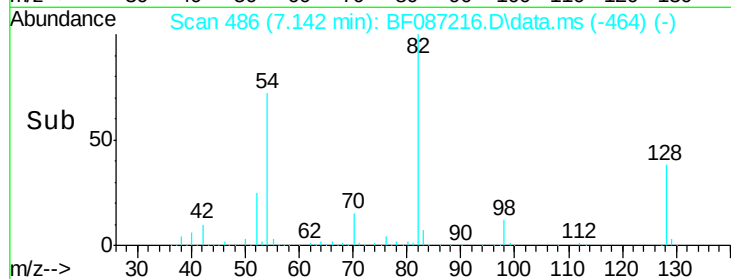
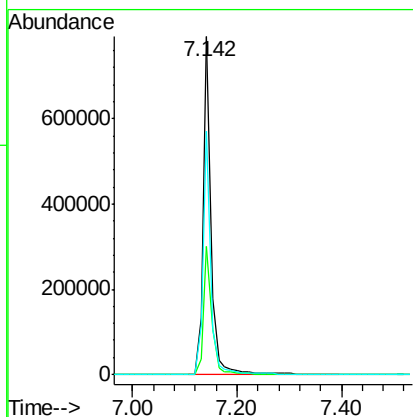
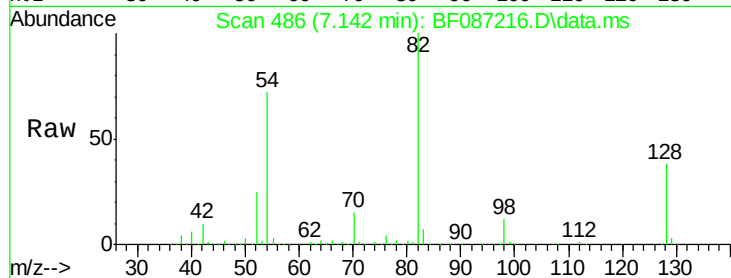




#23
Nitrobenzene-d5
Concen: 40.44 ng
RT: 7.142 min Scan# 486
Delta R.T. -0.046 min
Lab File: BF087216.D
Acq: 20 May 2016 7:07

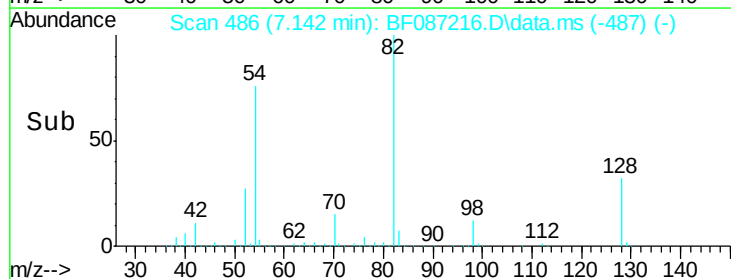
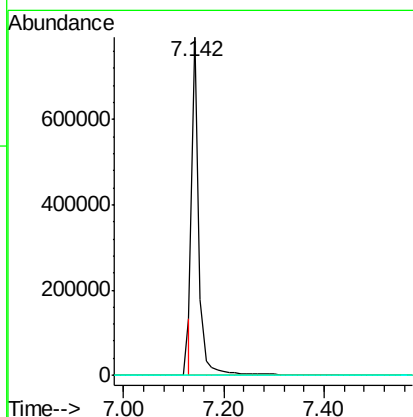
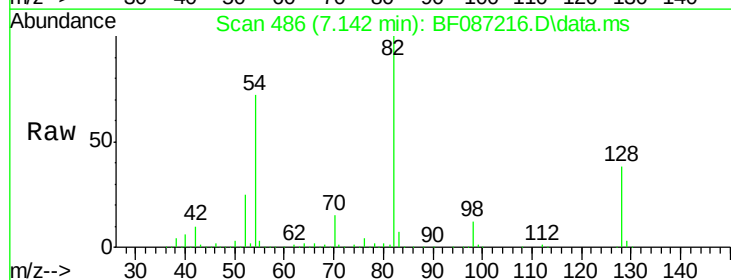
Instrument :
BNA_F
ClientSampleId :
RAV-GT-105

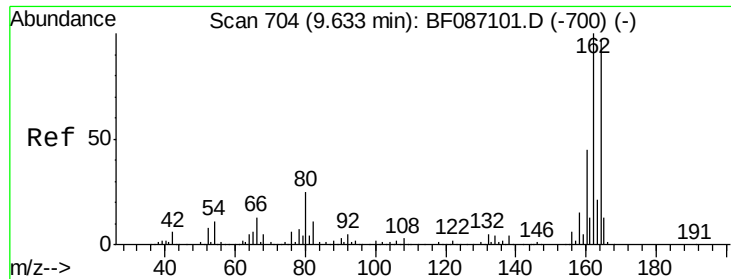
Tot Ion	82	Resp	837024
Ion	Ratio	Lower	Upper
82	100		
128	37.9	40.6	61.0#
54	71.9	38.1	57.1#



#25
Isophorone
Concen: 38.89 ng
RT: 7.142 min Scan# 486
Delta R.T. -0.308 min
Lab File: BF087216.D
Acq: 20 May 2016 7:07

Tgt Ion	82	Resp	736798
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# 704

Delta R.T. -0.046 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

RAV-GT-105

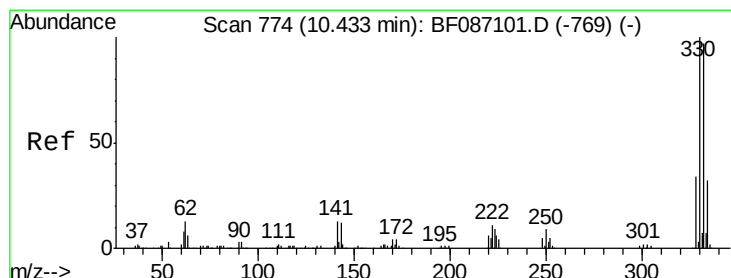
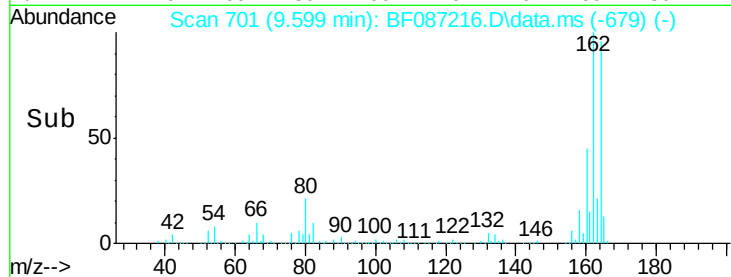
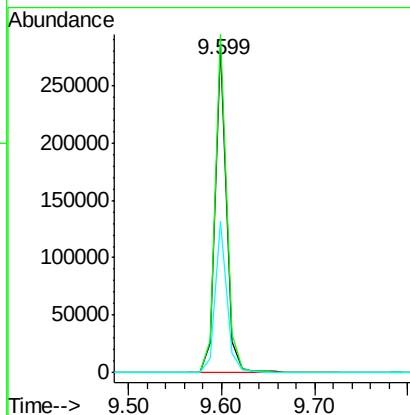
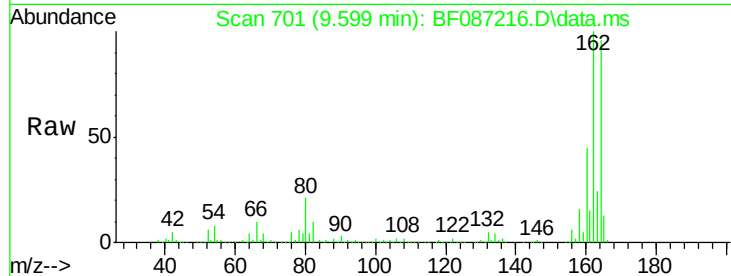
Tot Ion:164 Resp: 236327

Ion Ratio Lower Upper

164 100

162 104.0 82.8 124.2

160 46.5 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 61.85 ng

RT: 10.399 min Scan# 771

Delta R.T. -0.046 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

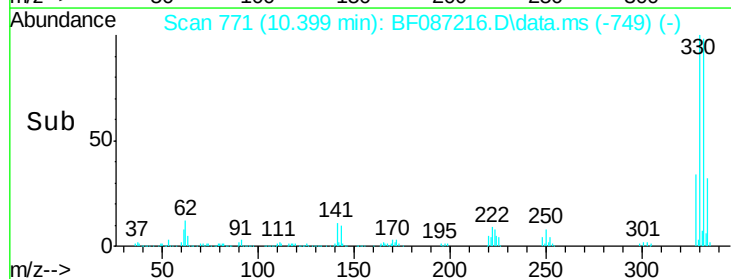
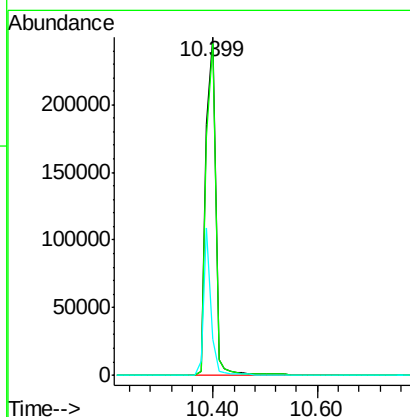
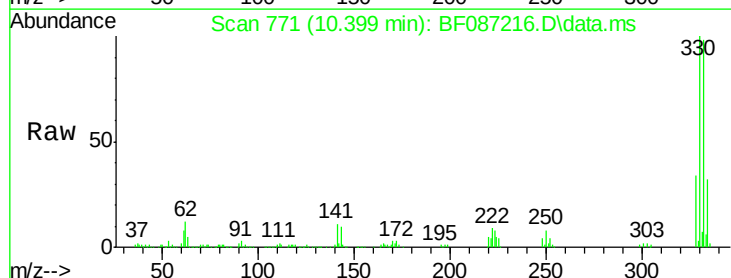
Tgt Ion:330 Resp: 323042

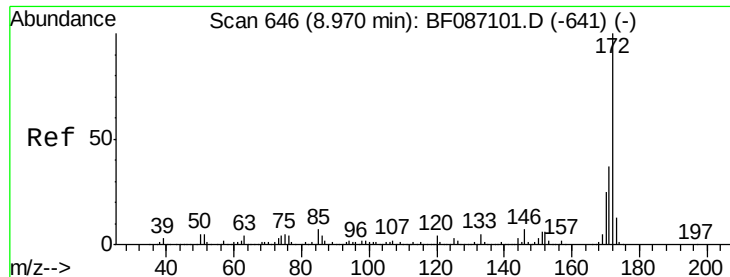
Ion Ratio Lower Upper

330 100

332 96.7 79.0 118.4

141 33.0 31.2 46.8



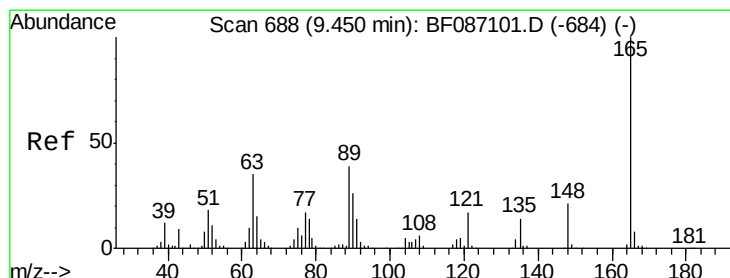
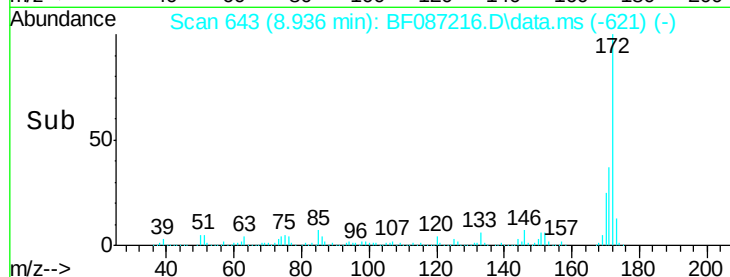
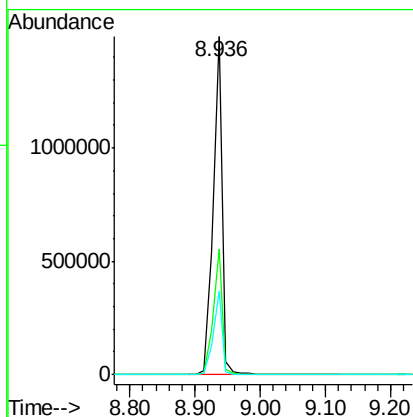
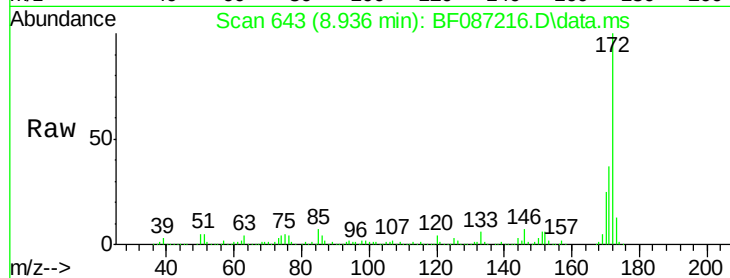


#44
 2-Fluorobiphenyl
 Concen: 51.75 ng
 RT: 8.936 min Scan# 64
 Delta R.T. -0.046 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-105

Tot Ion:172 Resp: 1476868

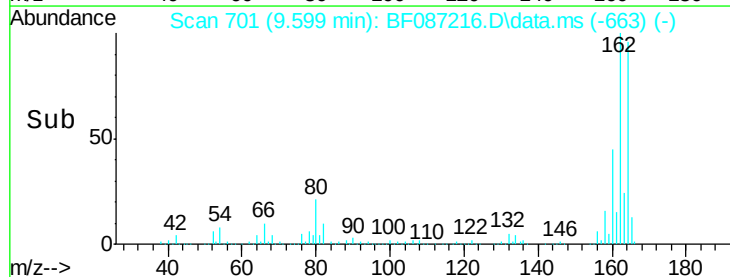
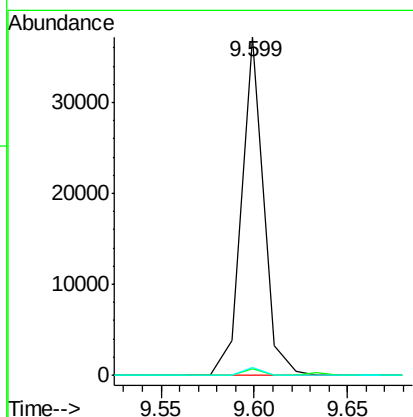
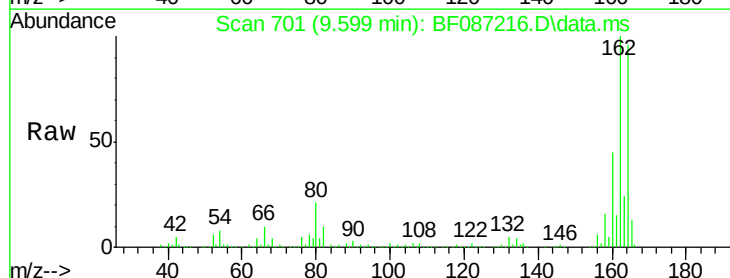
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.6
170	24.8	19.8	29.8

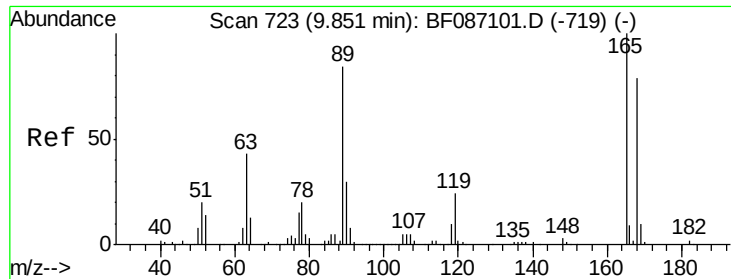


#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.599 min Scan# 701
 Delta R.T. 0.137 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

Tgt Ion:165 Resp: 30656

Ion	Ratio	Lower	Upper
165	100		
63	2.0	51.8	77.8#
89	2.2	50.7	76.1#

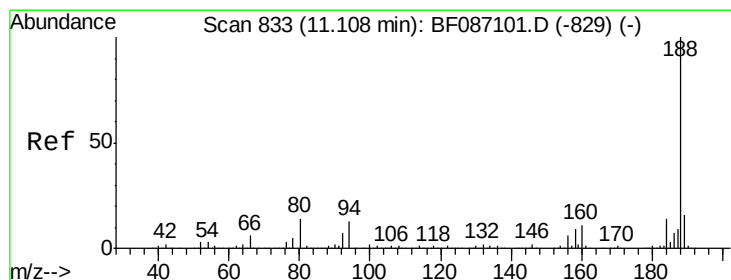
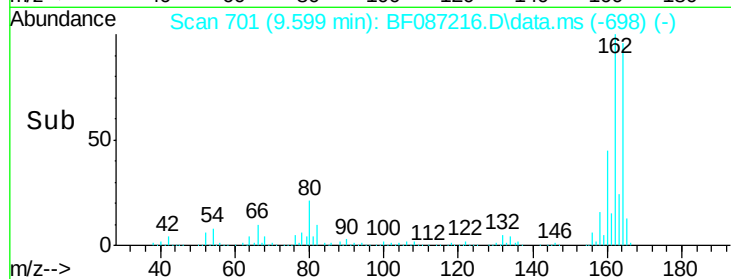
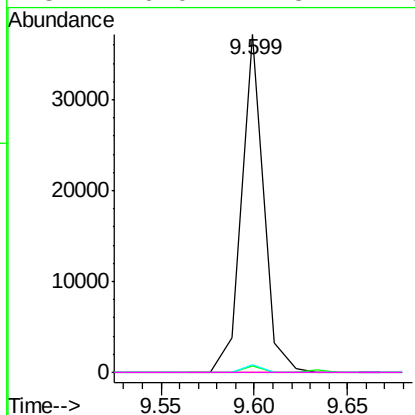
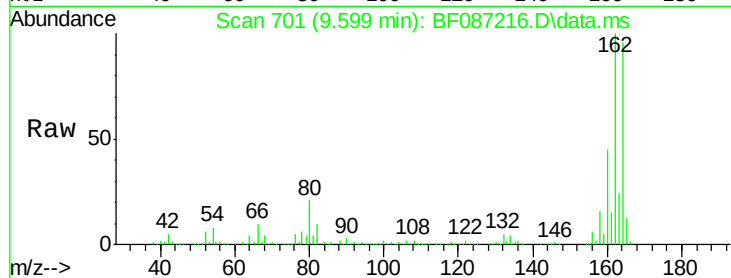




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.599 min Scan# 70
 Delta R.T. -0.263 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

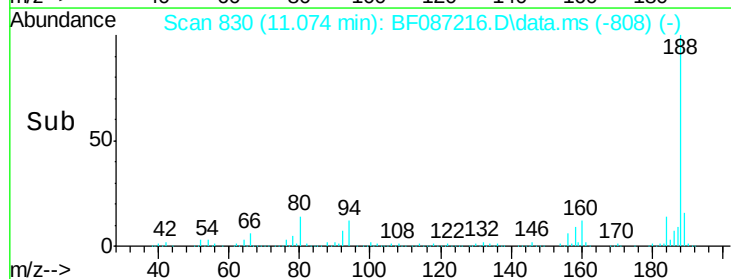
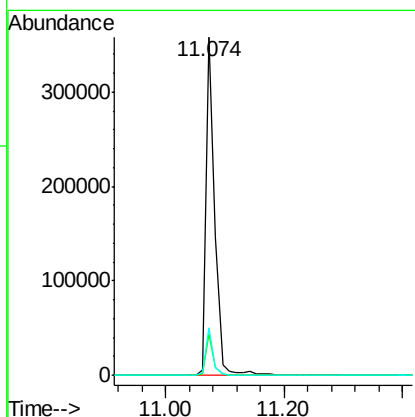
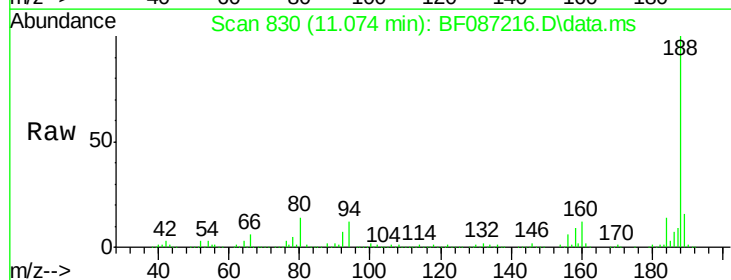
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-105

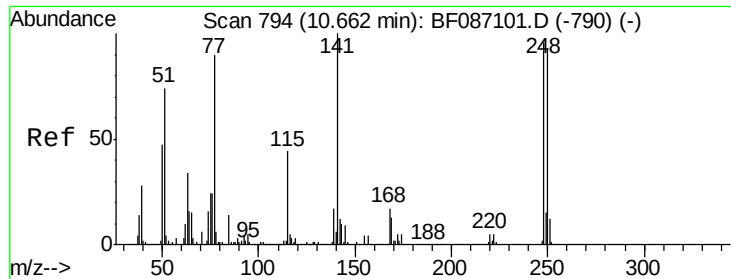
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.3	66.5#
89	2.2	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.074 min Scan# 830
 Delta R.T. -0.046 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	6.8	10.2#
80	14.1	7.1	10.7#

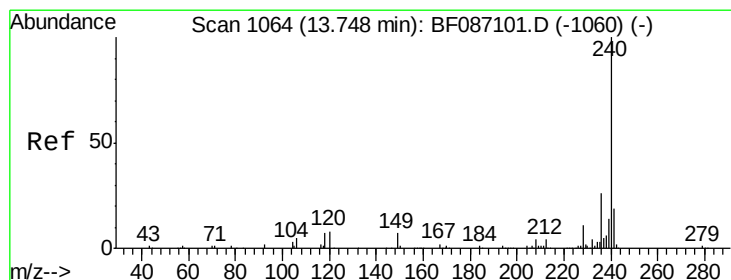
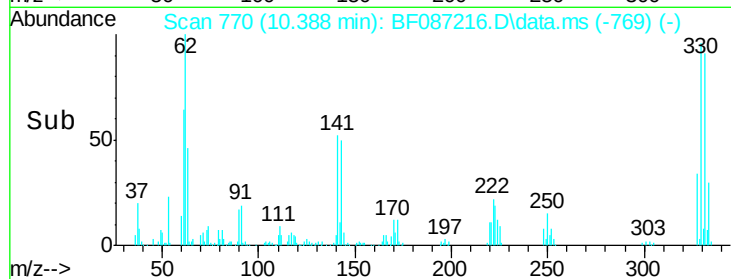
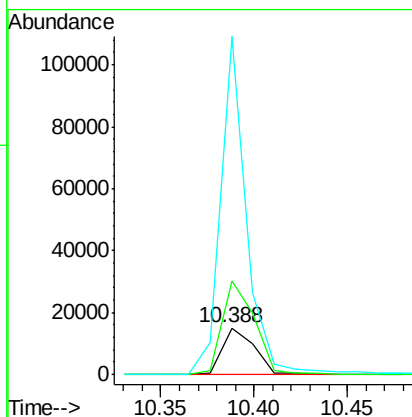
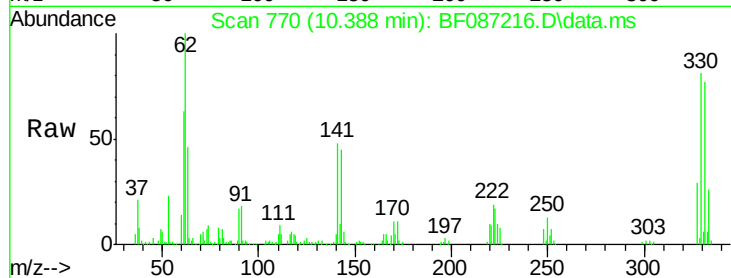




#66
 4-Bromophenyl-phenylether
 Concen: 4.78 ng
 RT: 10.388 min Scan# 77
 Delta R.T. -0.286 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

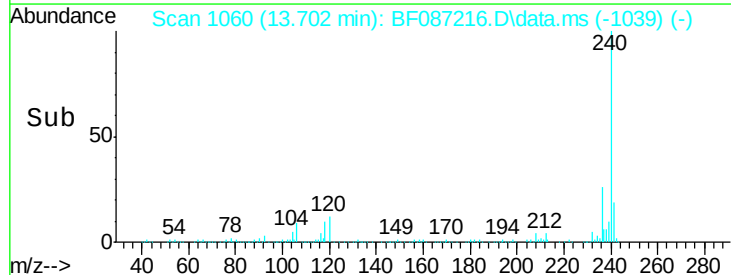
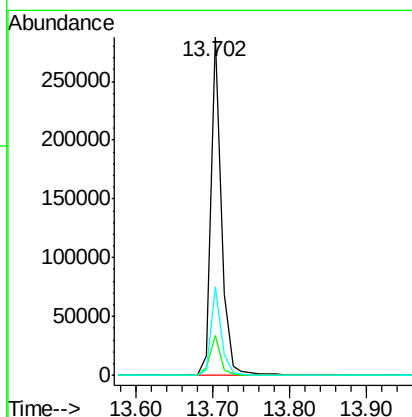
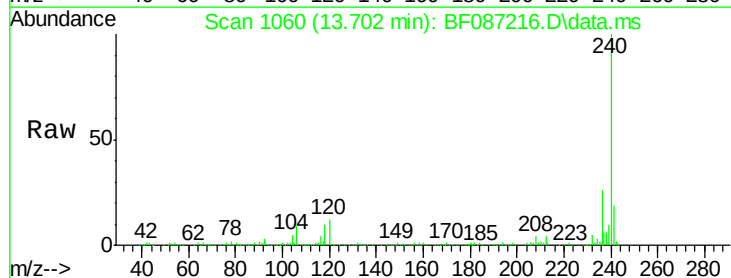
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-105

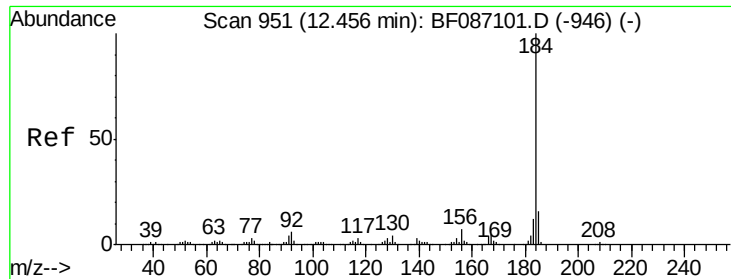
Tot Ion:248 Resp: 18240
 Ion Ratio Lower Upper
 248 100
 250 198.9 78.6 117.8#
 141 722.8 76.0 114.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.702 min Scan# 1060
 Delta R.T. -0.057 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

Tgt Ion:240 Resp: 268863
 Ion Ratio Lower Upper
 240 100
 120 11.9 11.2 16.8
 236 26.1 21.2 31.8





#76

Benzidine

Concen: 2.47 ng

RT: 12.662 min Scan# 96

Delta R.T. 0.195 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

RAV-GT-105

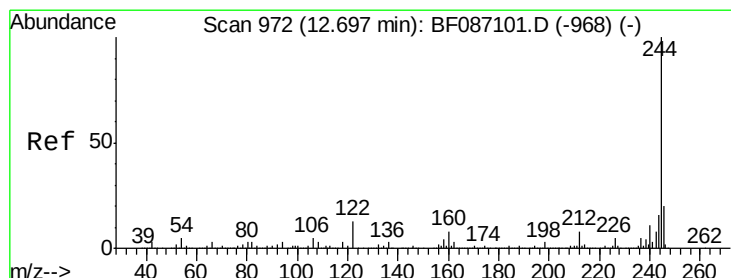
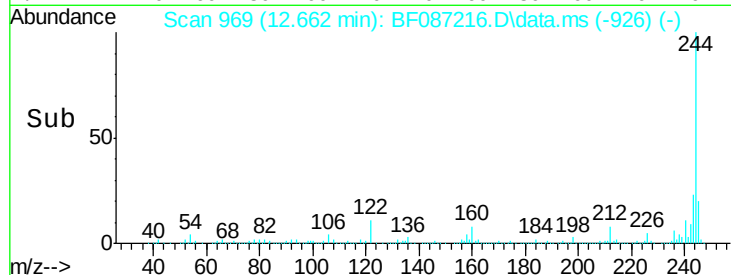
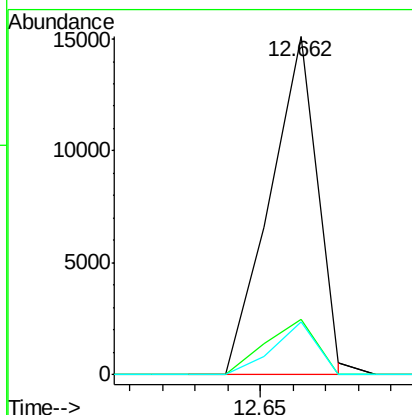
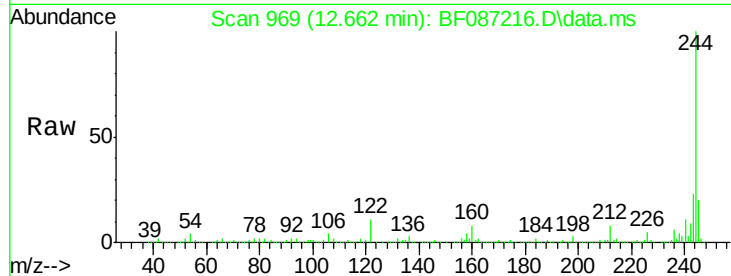
Tot Ion:184 Resp: 15258

Ion Ratio Lower Upper

184 100

185 16.3 13.6 20.4

183 15.6 9.8 14.6#



#78

Terphenyl-d14

Concen: 38.97 ng

RT: 12.662 min Scan# 969

Delta R.T. -0.046 min

Lab File: BF087216.D

Acq: 20 May 2016 7:07

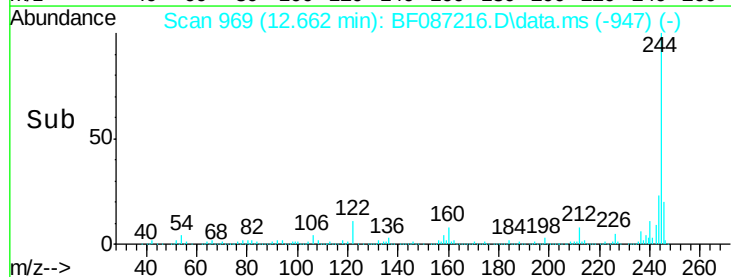
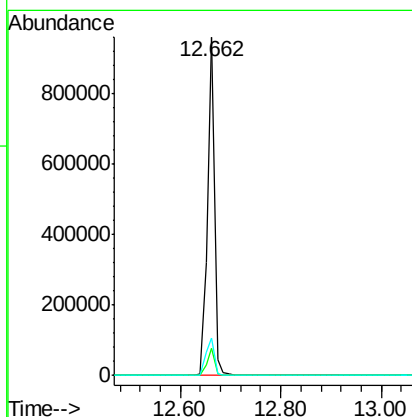
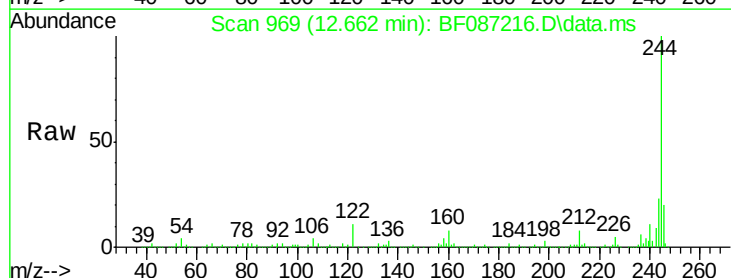
Tgt Ion:244 Resp: 926354

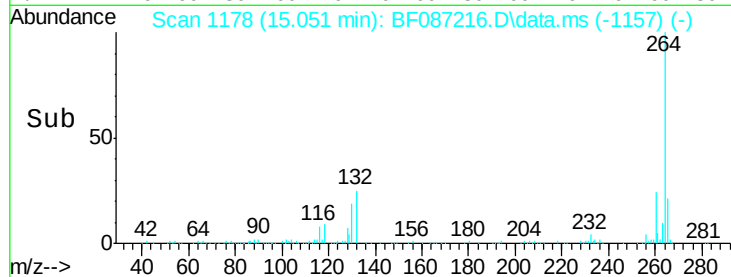
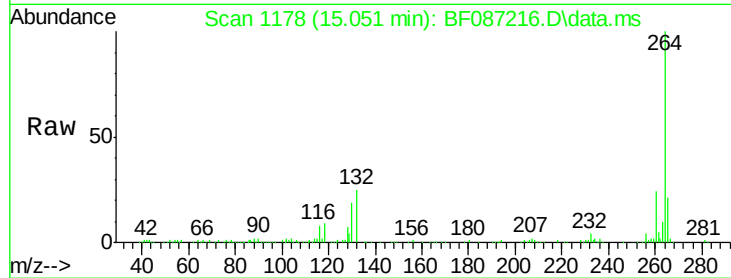
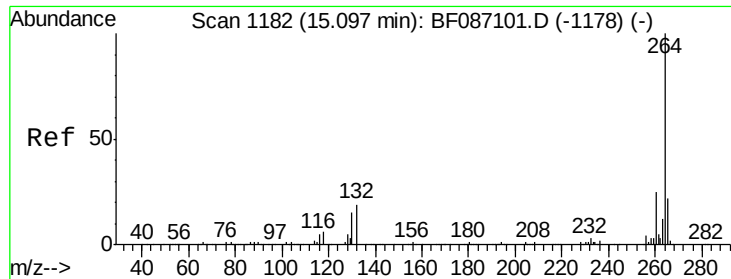
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 11.0 12.0 18.0#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.051 min Scan# 11
 Delta R.T. -0.057 min
 Lab File: BF087216.D
 Acq: 20 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-105

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	20.9	17.3	25.9

