

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087177.D
 Acq On : 19 May 2016 8:12
 Operator : UM/SJ
 Sample : H3120-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104

Quant Time: May 19 12:42:41 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 16:55:01 2016
 Response via : Initial Calibration

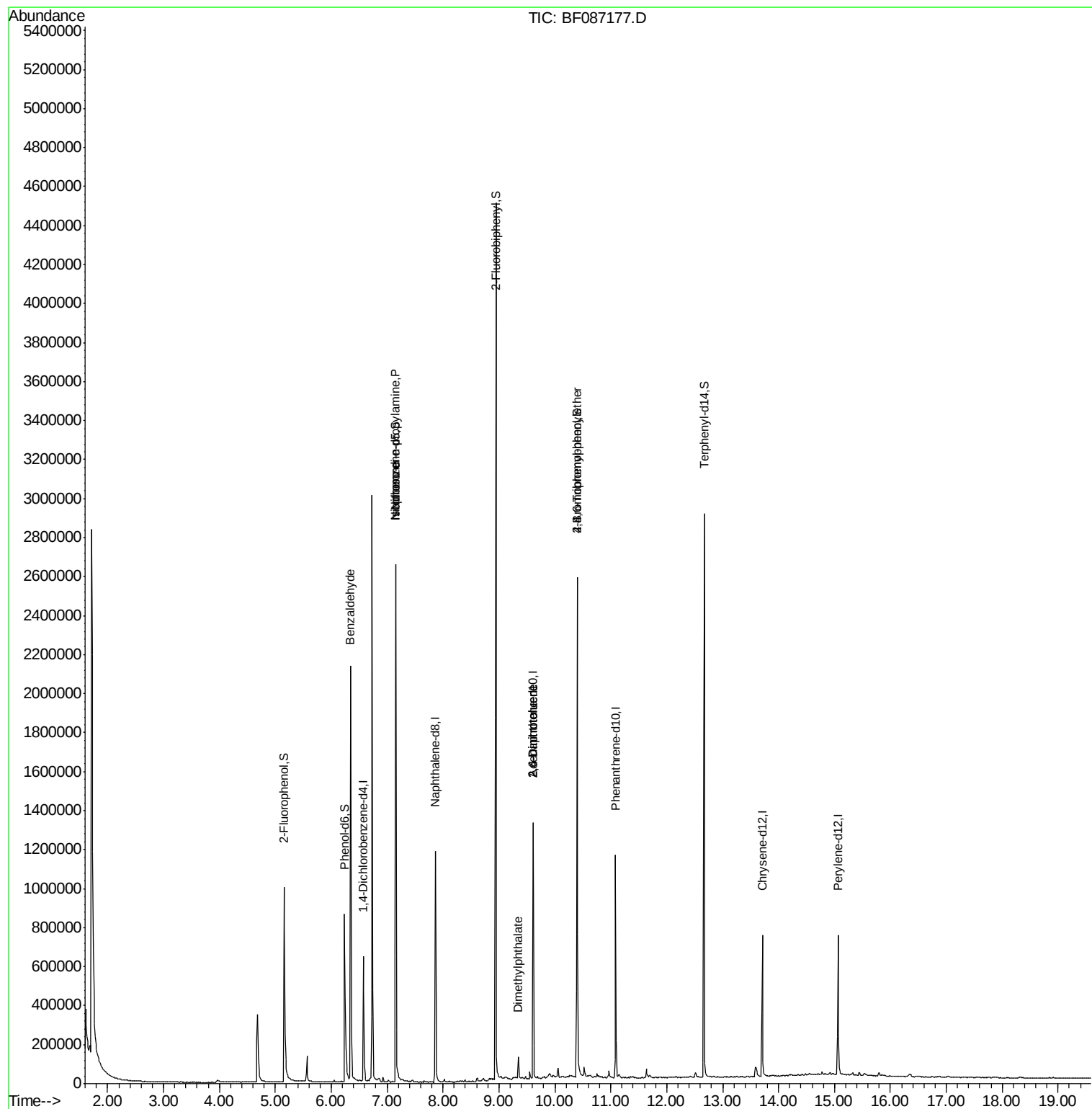
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	122419	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	503567	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	233230	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	382426	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	276203	20.00	ng	-0.05
86) Perylene-d12	15.06	264	287157	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	412687	56.66	ng	-0.05
7) Phenol-d6	6.24	99	354347	36.28	ng	-0.05
23) Nitrobenzene-d5	7.15	82	819414	81.10	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	305004	118.34	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1417859	100.68	ng	-0.03
78) Terphenyl-d14	12.67	244	1053179	86.26	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	20124	2.79	ng	# 68
19) n-Nitroso-di-n-propylamine	7.15	70	118734	15.99	ng	# 73
25) Isophorone	7.15	82	671738	36.32	ng	# 68
49) Dimethylphthalate	9.35	163	40860	2.30	ng	# 98
50) 2,6-Dinitrotoluene	9.61	165	29724	7.69	ng	# 21
55) 4-Nitrophenol	9.78	139	207	Below Cal		# 1
56) 2,4-Dinitrotoluene	9.61	165	29724	6.01	ng	# 16
66) 4-Bromophenyl-phenylether	10.40	248	17836	4.54	ng	# 1

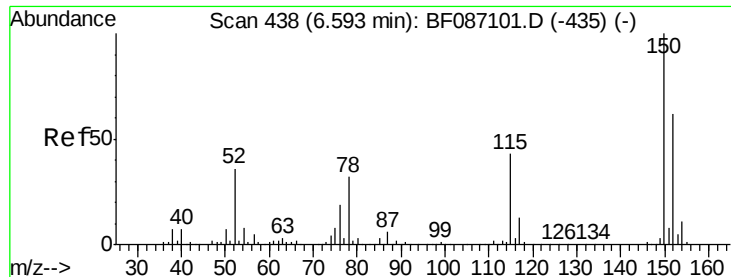
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 32 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104

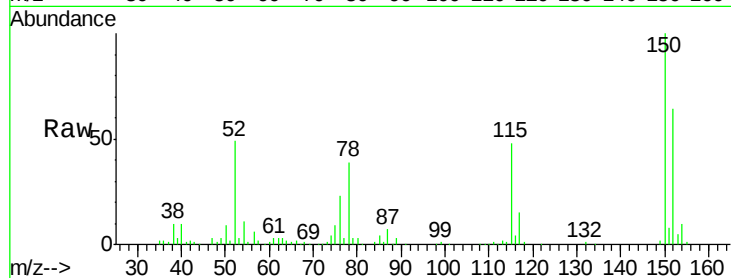
Tot Ion:152 Resp: 122419

Ion Ratio Lower Upper

152 100

150 156.8 125.8 188.6

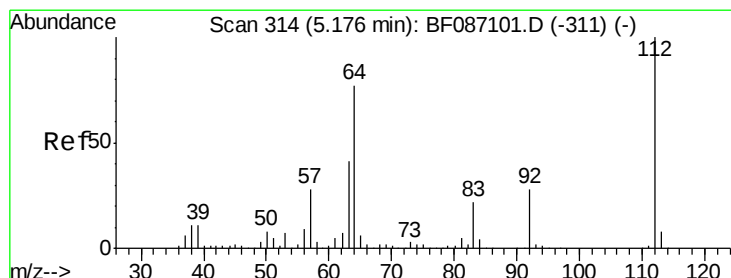
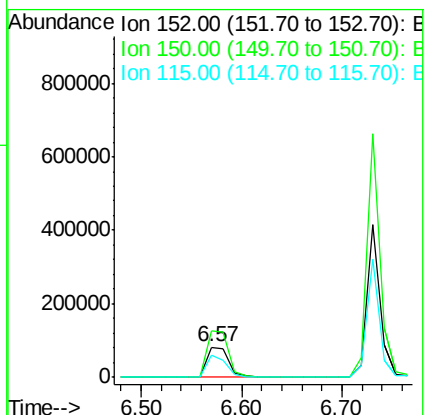
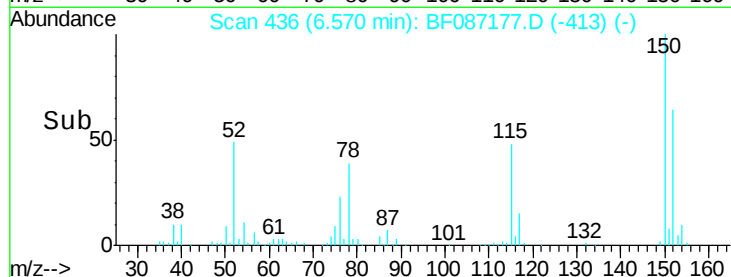
115 76.0 51.5 77.3



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: 56.66 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

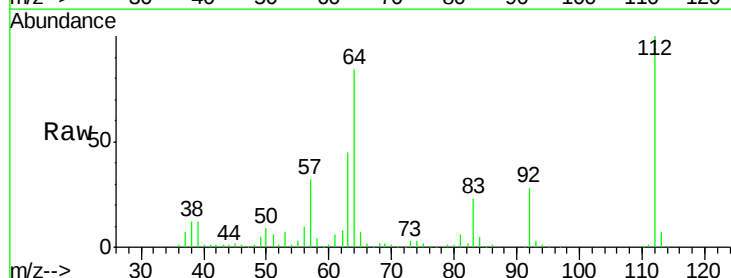
Tgt Ion:112 Resp: 412687

Ion Ratio Lower Upper

112 100

64 83.8 52.1 78.1#

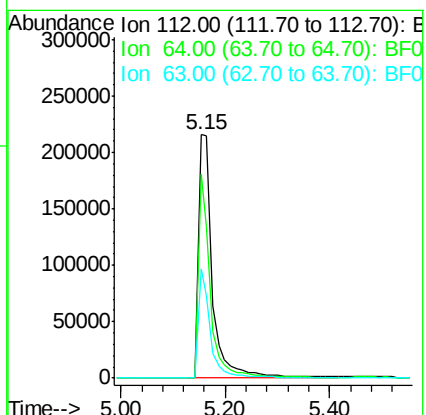
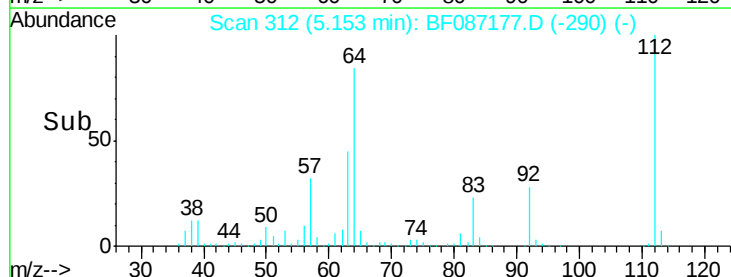
63 45.0 25.7 38.5#

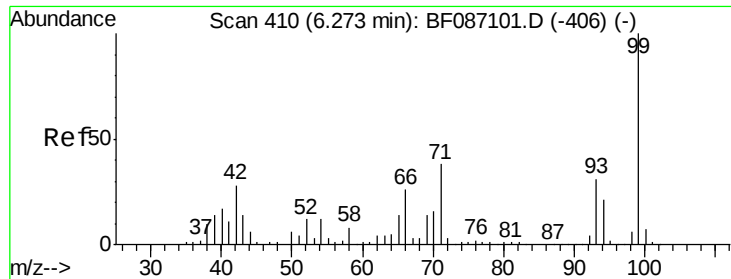


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.28 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104

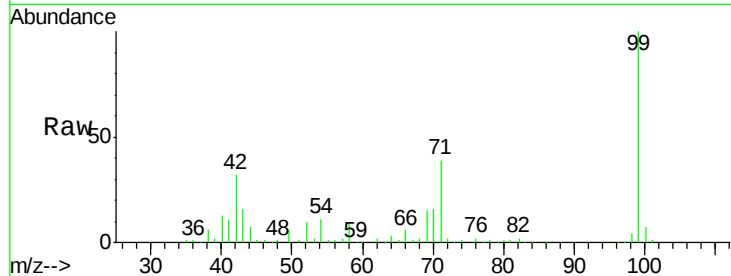
Tot Ion: 99 Resp: 354347

Ion Ratio Lower Upper

99 100

42 31.7 13.6 20.4#

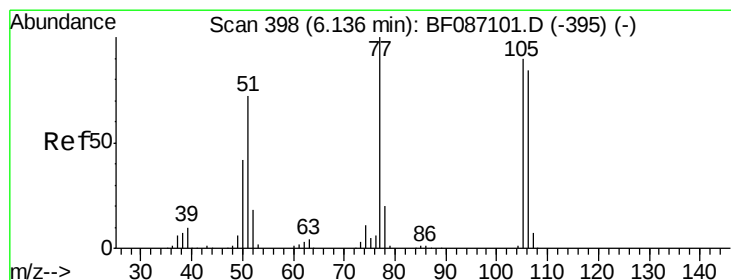
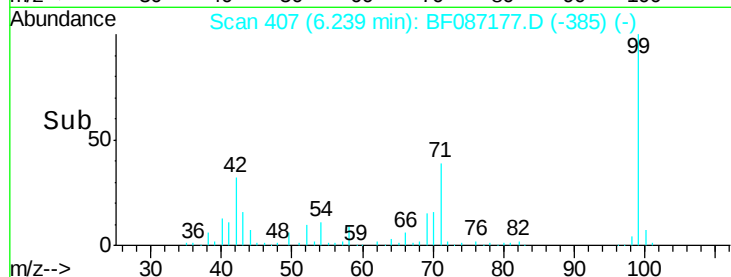
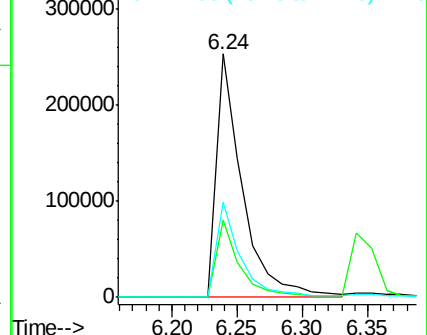
71 39.1 24.6 36.8#



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



#9

Benzaldehyde

Concen: 2.79 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

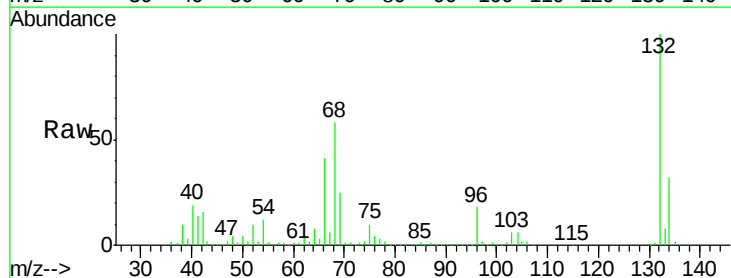
Tgt Ion: 77 Resp: 20124

Ion Ratio Lower Upper

77 100

105 65.3 72.7 112.7#

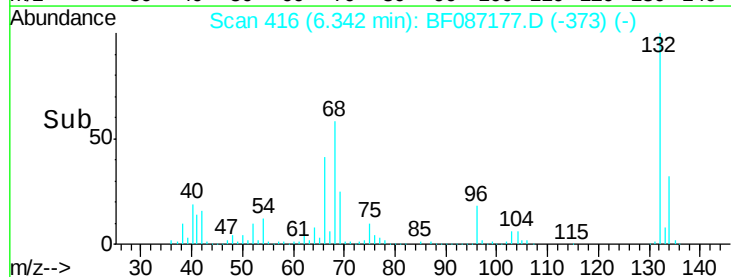
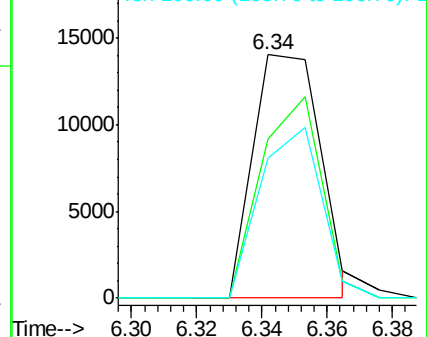
106 57.6 70.8 110.8#

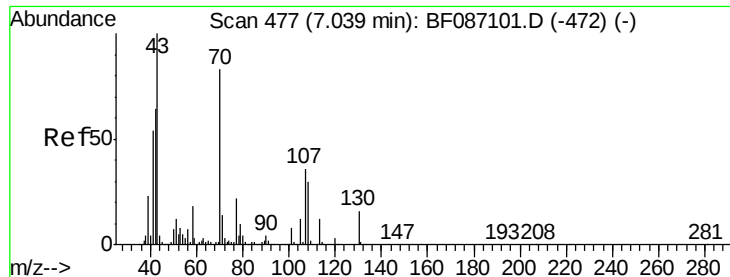


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

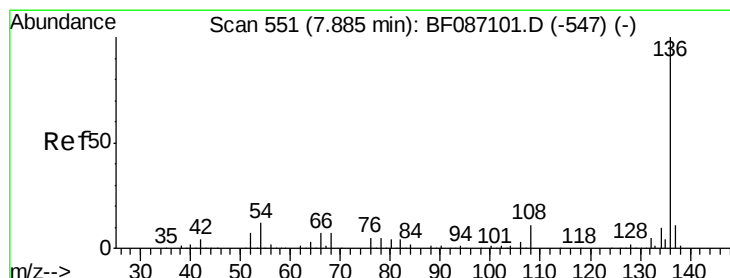
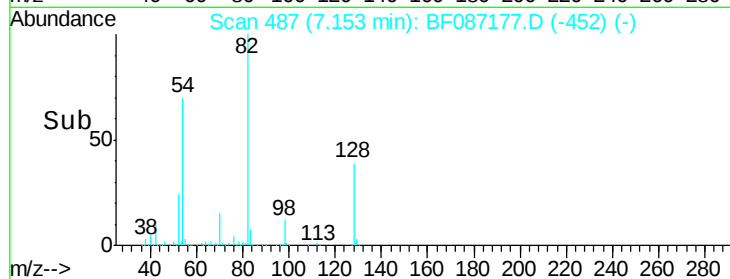
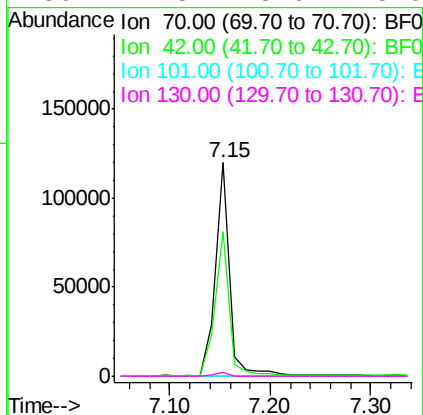
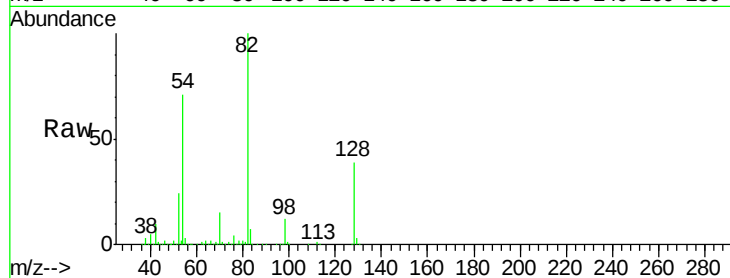




#19
n-Nitroso-di-n-propylamine
Concen: 15.99 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.10 min
Lab File: BF087177.D
Acq: 19 May 2016 8:12

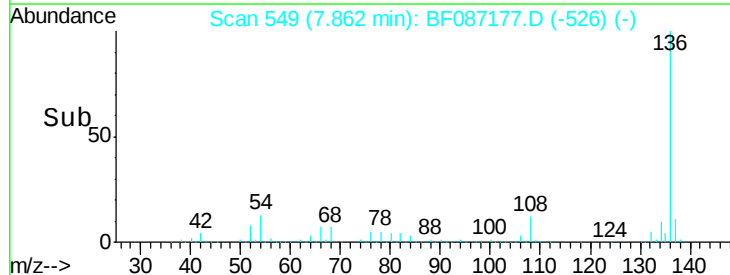
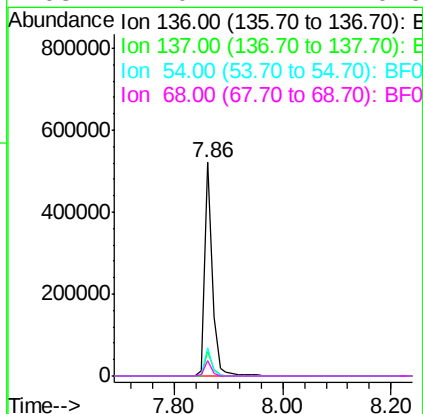
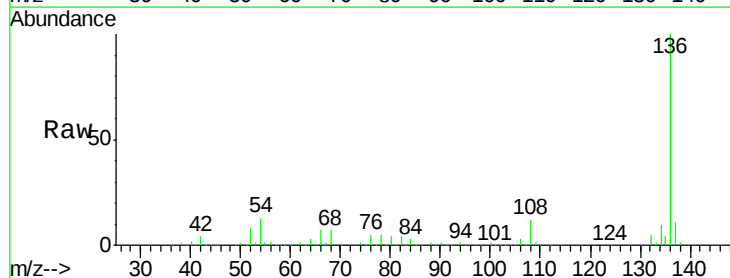
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104

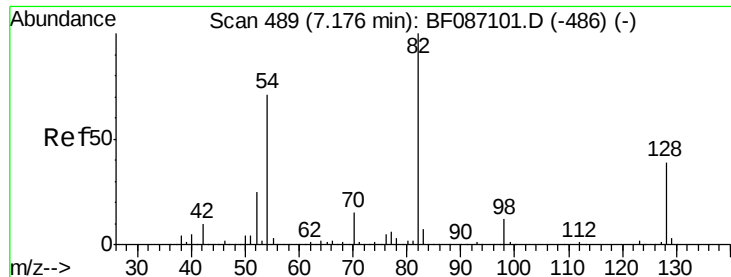
Tot Ion: 70 Resp: 118734
Ion Ratio Lower Upper
70 100
42 67.6 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087177.D
Acq: 19 May 2016 8:12

Tgt Ion: 136 Resp: 503567
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 13.3 5.0 7.4#
68 7.0 4.4 6.6#

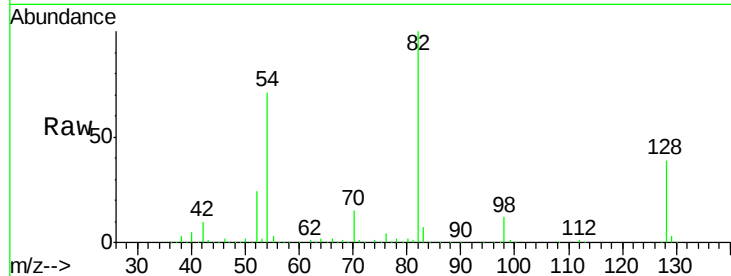




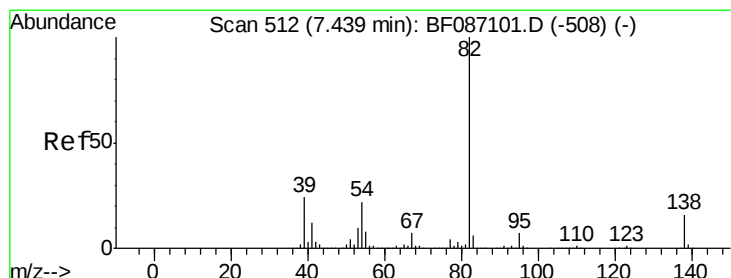
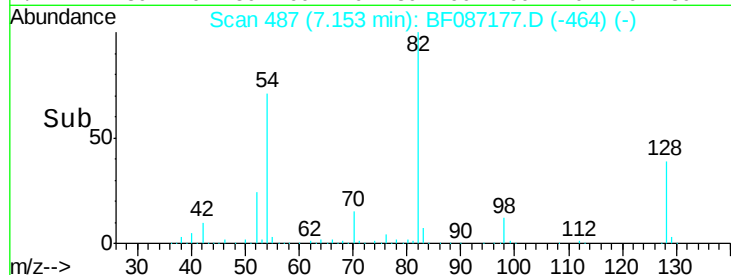
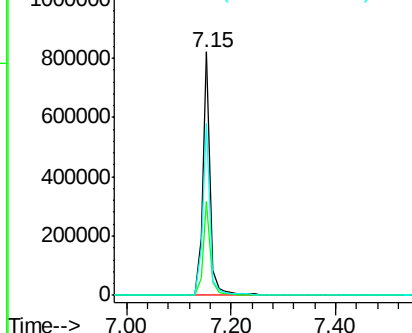
#23
Nitrobenzene-d5
Concen: 81.10 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087177.D
Acq: 19 May 2016 8:12

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104

Tot Ion: 82 Resp: 819414
Ion Ratio Lower Upper
82 100
128 38.6 40.6 61.0#
54 70.6 38.1 57.1#

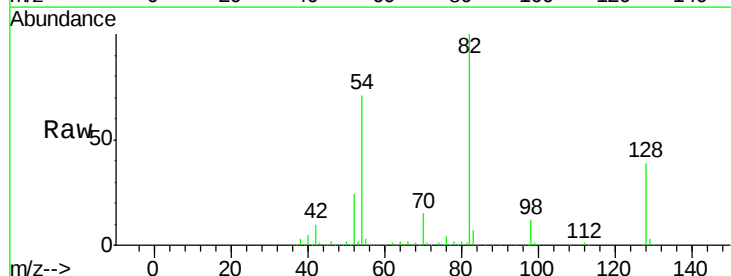


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

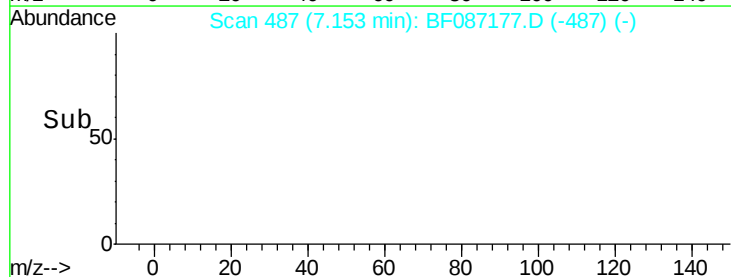
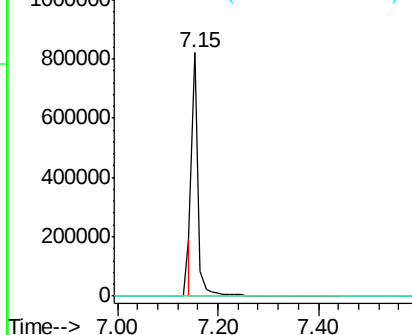


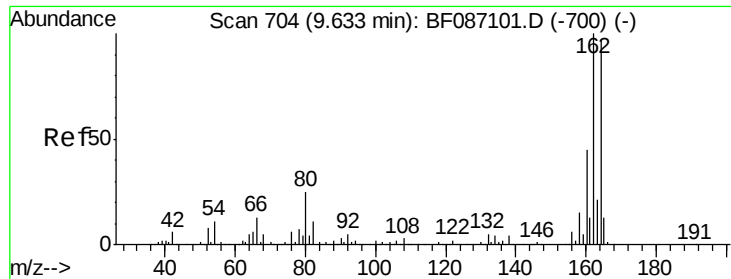
#25
Isophorone
Concen: 36.32 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.30 min
Lab File: BF087177.D
Acq: 19 May 2016 8:12

Tgt Ion: 82 Resp: 671738
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104

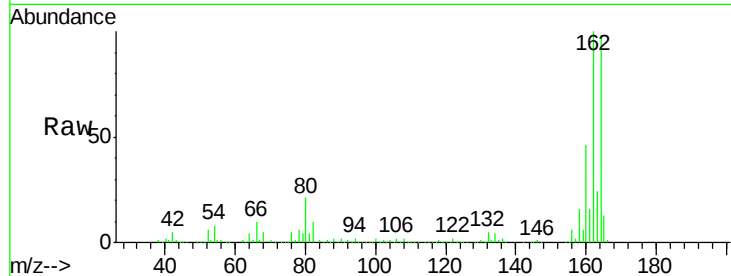
Tot Ion:164 Resp: 233230

Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

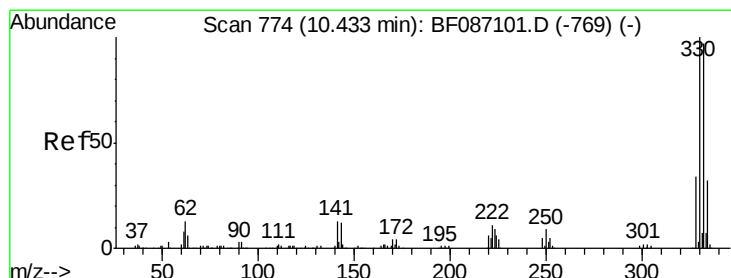
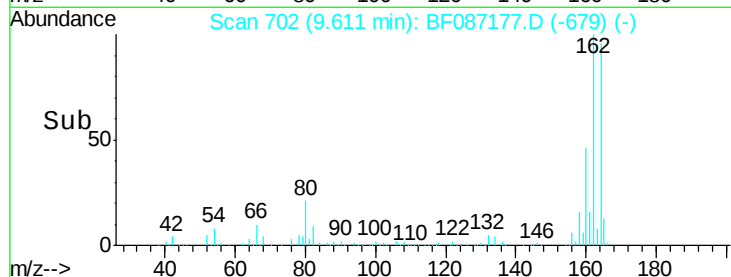
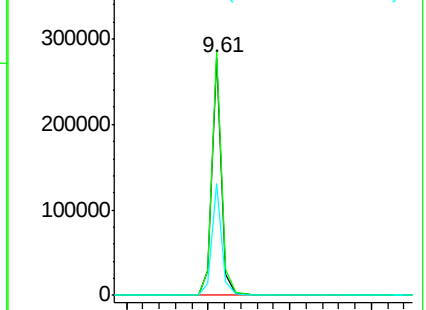
160 46.9 36.9 55.3



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: 118.34 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

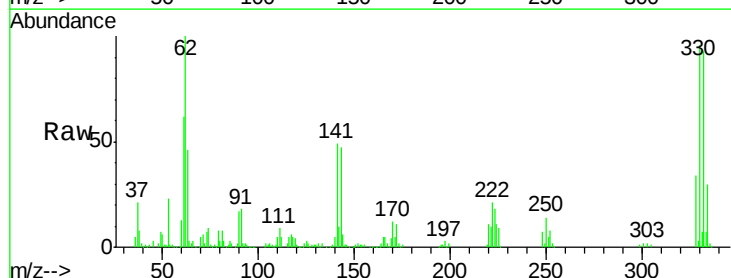
Tgt Ion:330 Resp: 305004

Ion Ratio Lower Upper

330 100

332 97.5 79.0 118.4

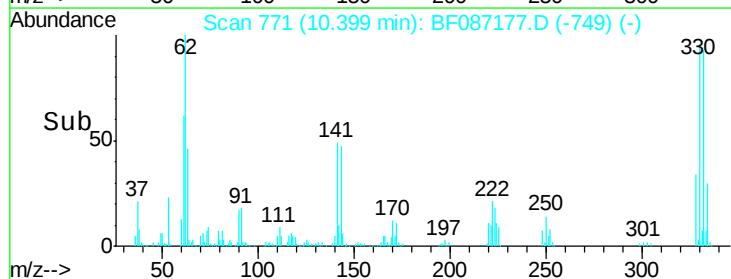
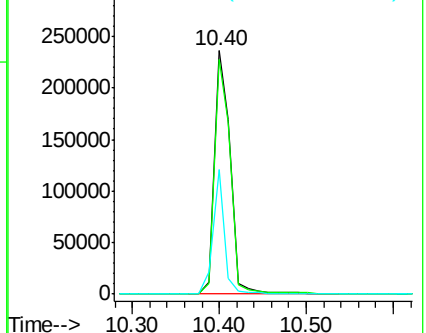
141 37.5 31.2 46.8

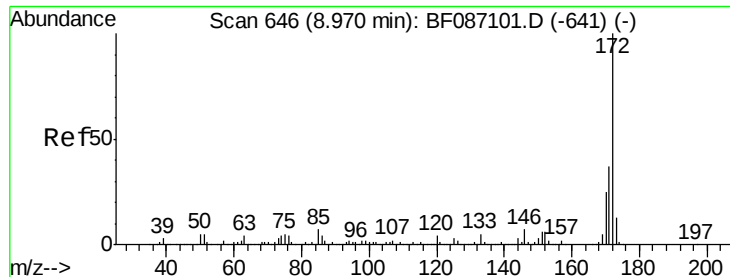


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.68 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

Instrument :

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ClientSampleId :

RAV-GT-104

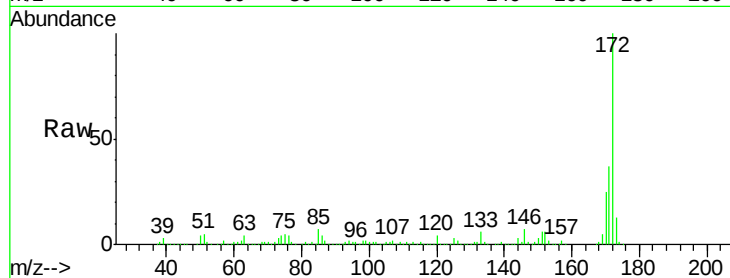
Tot Ion:172 Resp: 1417859

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.6
170	24.8	19.8	29.8

172 100

171 36.5 29.0 43.6

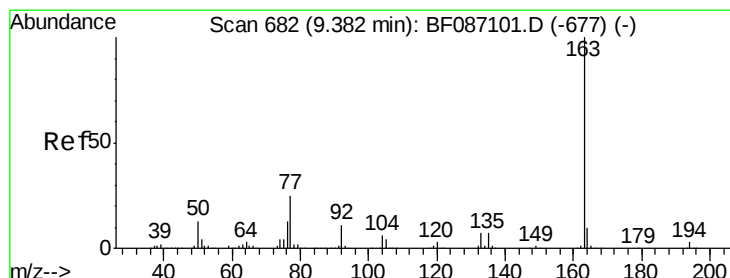
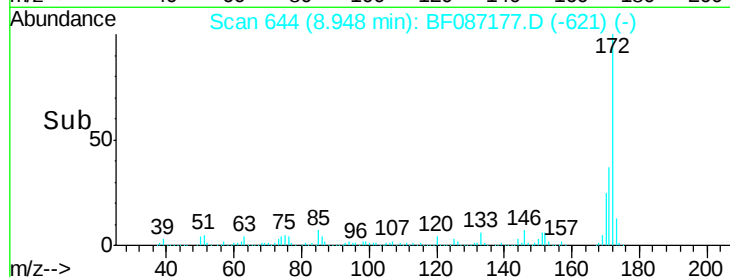
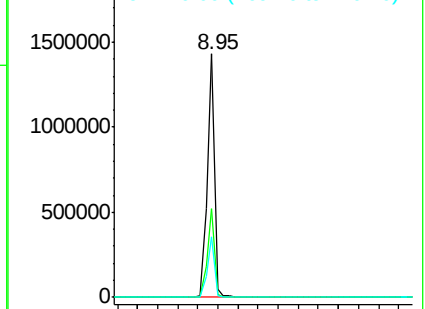
170 24.8 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 2.30 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

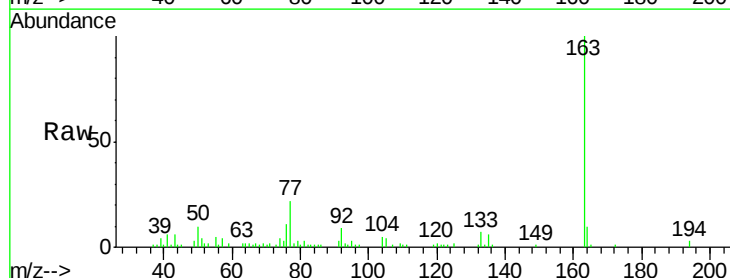
Tgt Ion:163 Resp: 40860

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.6	8.2	12.4

163 100

194 3.5 2.6 4.0

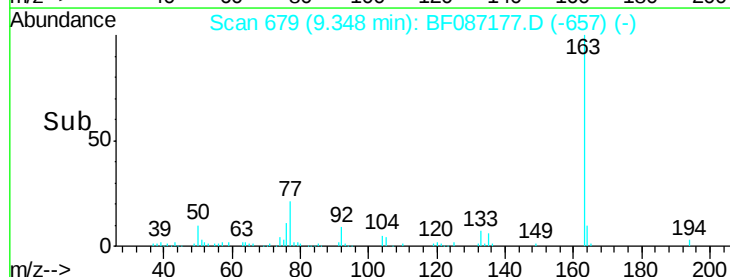
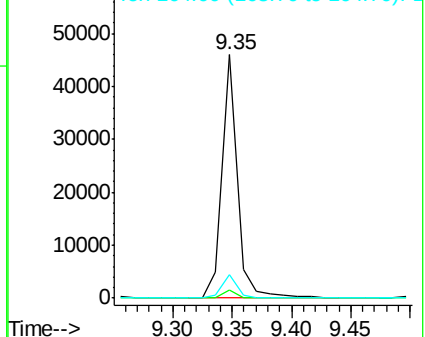
164 9.6 8.2 12.4

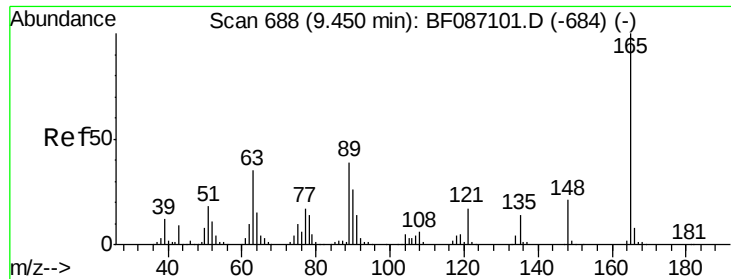


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

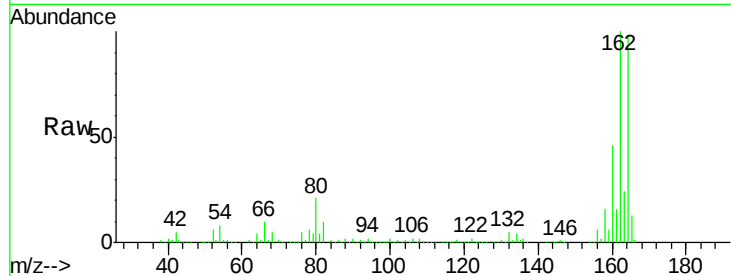




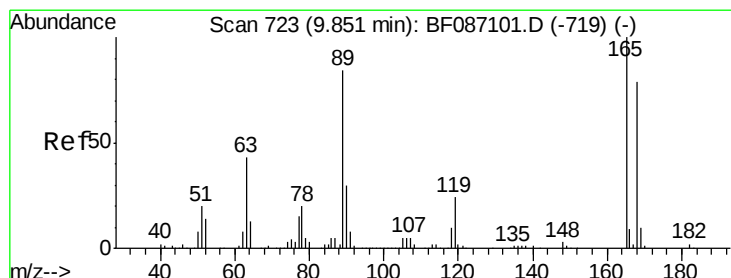
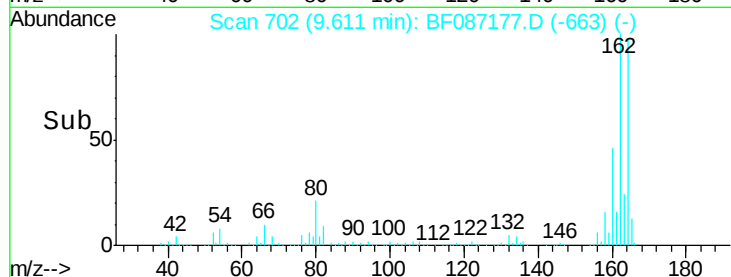
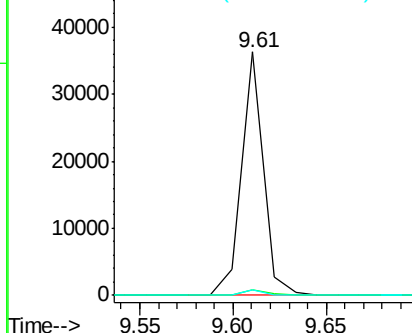
#50
 2,6-Dinitrotoluene
 Concen: 7.69 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.15 min
 Lab File: BF087177.D
 Acq: 19 May 2016 8:12

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	51.8	77.8#
89	2.1	50.7	76.1#

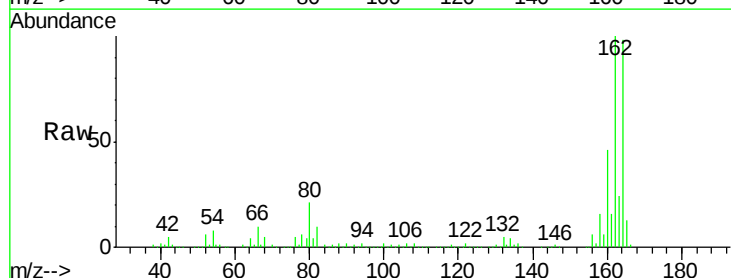


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

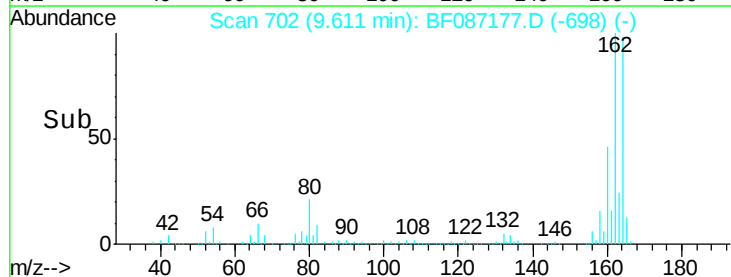
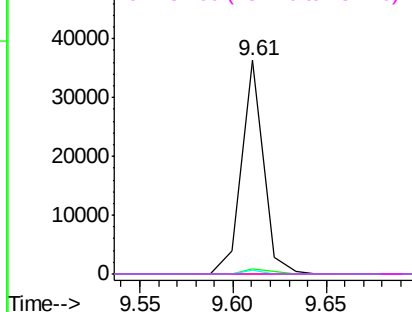


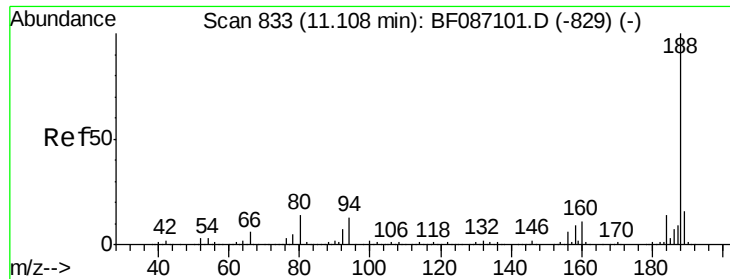
#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.25 min
 Lab File: BF087177.D
 Acq: 19 May 2016 8:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#



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

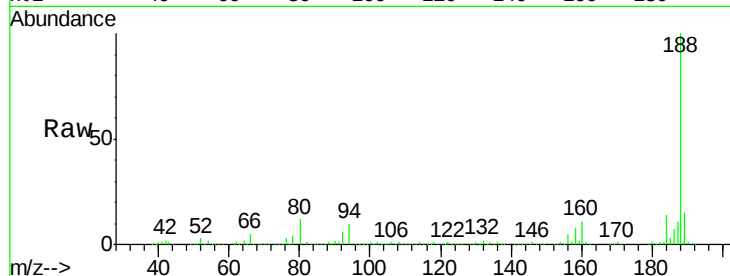




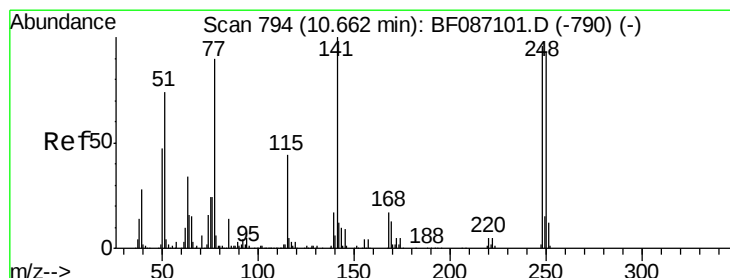
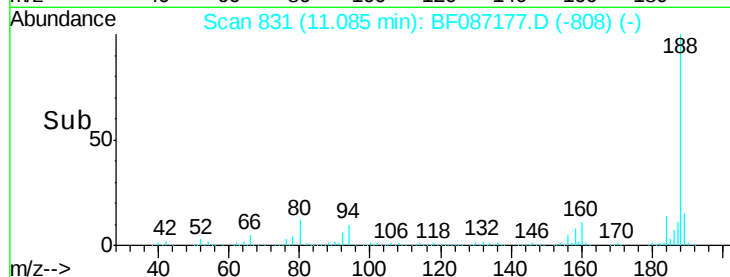
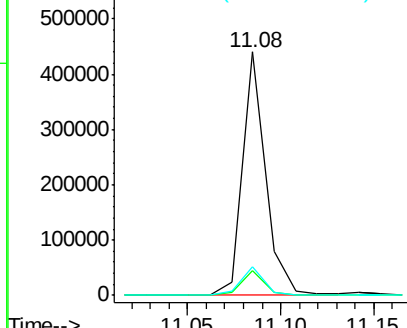
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087177.D
 Acq: 19 May 2016 8:12

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104

Tot Ion:188 Resp: 382426
 Ion Ratio Lower Upper
 188 100
 94 10.4 6.8 10.2#
 80 11.6 7.1 10.7#

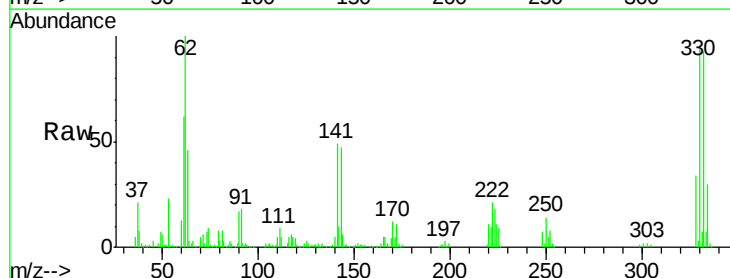


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

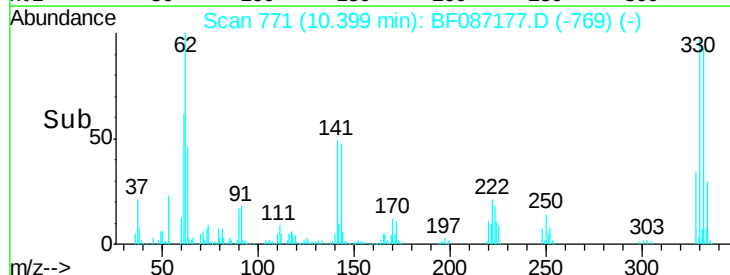
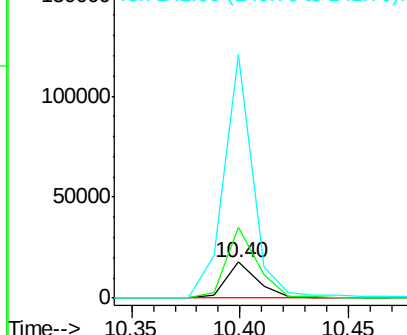


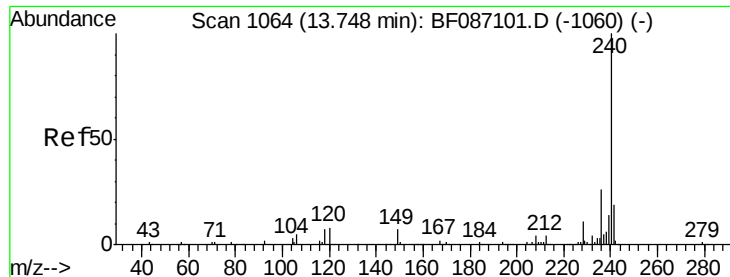
#66
 4-Bromophenyl-phenylether
 Concen: 4.54 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF087177.D
 Acq: 19 May 2016 8:12

Tgt Ion:248 Resp: 17836
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.6 117.8#
 141 679.2 76.0 114.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104

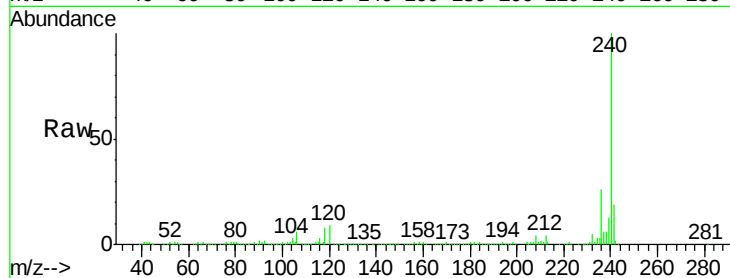
Tot Ion:240 Resp: 276203

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

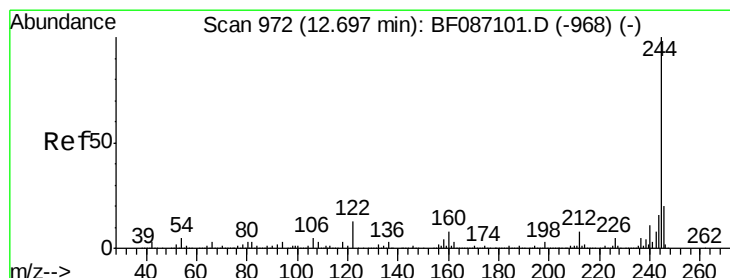
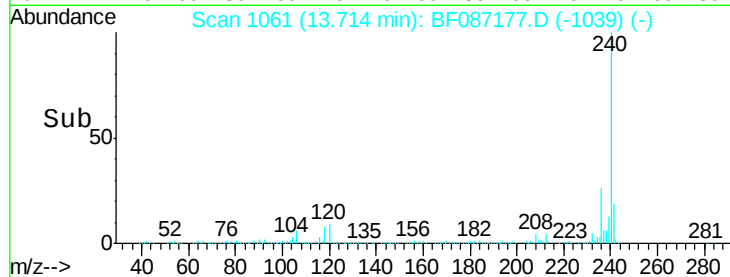
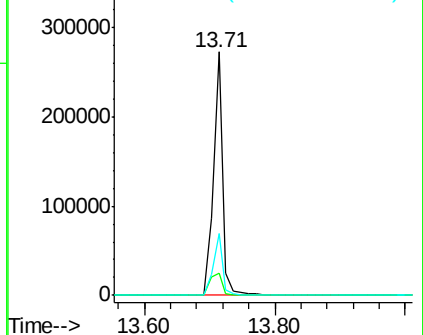
236 25.6 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 86.26 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087177.D

Acq: 19 May 2016 8:12

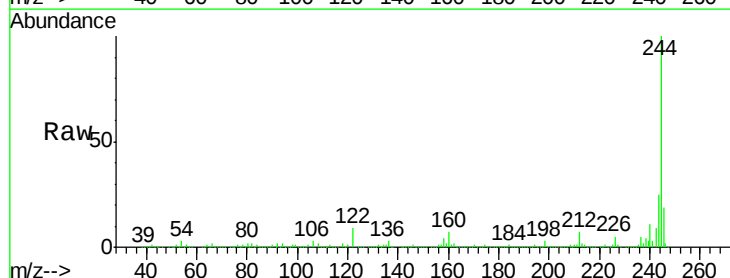
Tgt Ion:244 Resp: 1053179

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

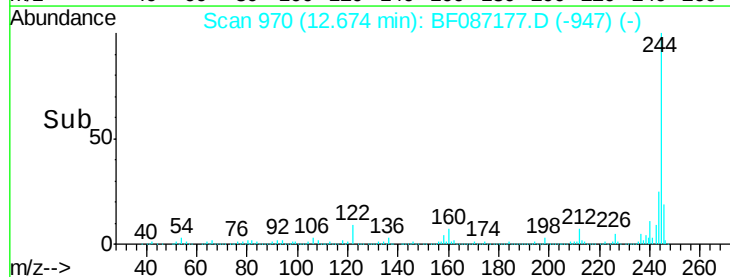
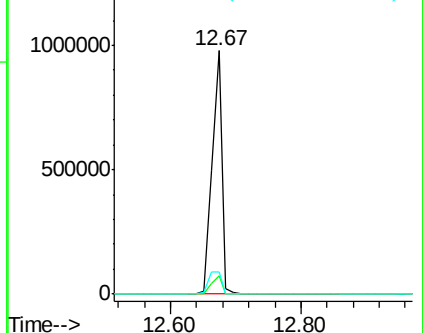
122 9.1 12.0 18.0#

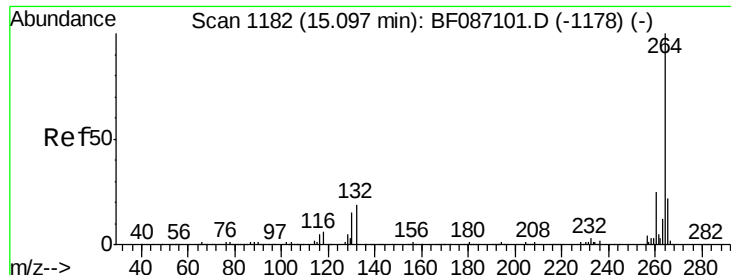


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

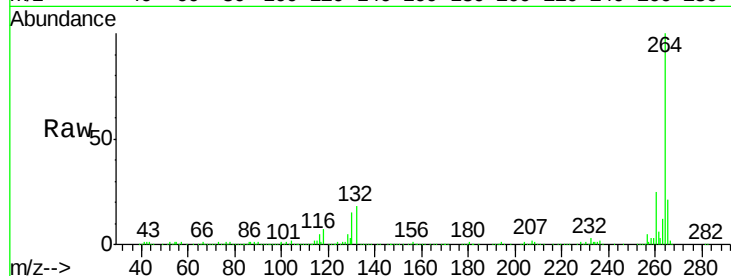




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087177.D
Acq: 19 May 2016 8:12

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.3	17.3	25.9



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

