

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087180.D
 Acq On : 19 May 2016 9:38
 Operator : UM/SJ
 Sample : H3120-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-102

Quant Time: May 19 12:44:21 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	6.58	152	126737	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	511282	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	240300	20.00	ng	-0.03
63) Phenanthrene-d10	11.09	188	403071	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	288864	20.00	ng	-0.05
86) Perylene-d12	15.06	264	294768	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	465457	61.73	ng	-0.03
7) Phenol-d6	6.24	99	378460	37.42	ng	-0.05
23) Nitrobenzene-d5	7.15	82	887471	86.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	330144	124.33	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1537812	105.99	ng	-0.03
78) Terphenyl-d14	12.67	244	1186901	92.95	ng	-0.03

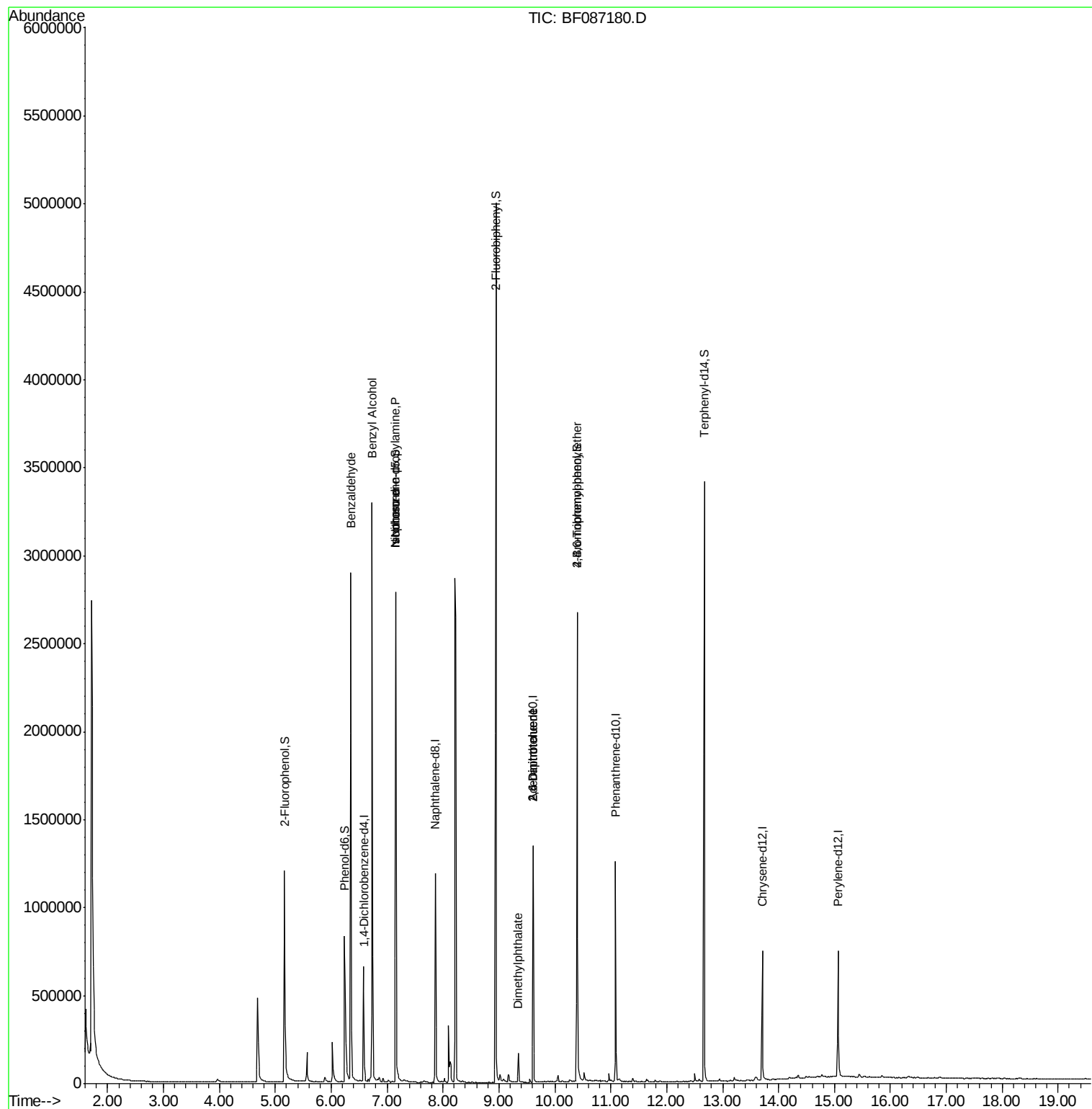
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	24453	3.32	ng	# 81
15) Benzyl Alcohol	6.73	79	15557	2.07	ng	# 42
19) n-Nitroso-di-n-propylamine	7.15	70	125774	16.36	ng	# 72
25) Isophorone	7.15	82	728553	38.79	ng	# 68
49) Dimethylphthalate	9.35	163	62896	3.43	ng	100
50) 2,6-Dinitrotoluene	9.61	165	30787	7.73	ng	# 21
55) 4-Nitrophenol	9.83	139	245	Below Cal		# 14
56) 2,4-Dinitrotoluene	9.61	165	30787	6.04	ng	# 16
66) 4-Bromophenyl-phenylether	10.40	248	19142	4.62	ng	# 1

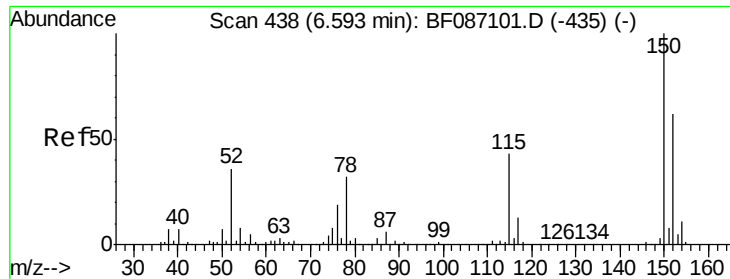
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

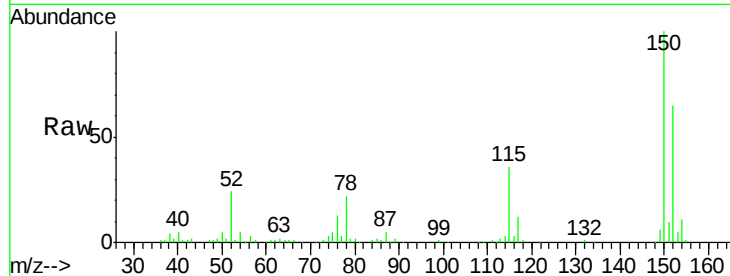
Tot Ion:152 Resp: 126737

Ion Ratio Lower Upper

152 100

150 154.0 125.8 188.6

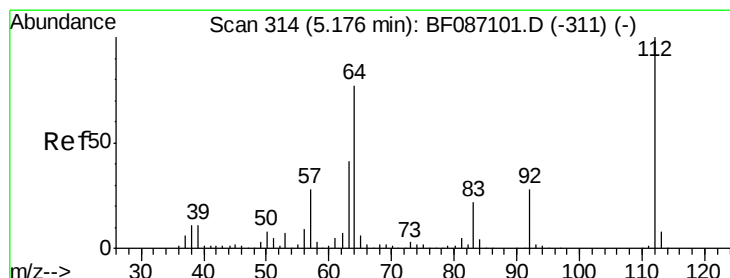
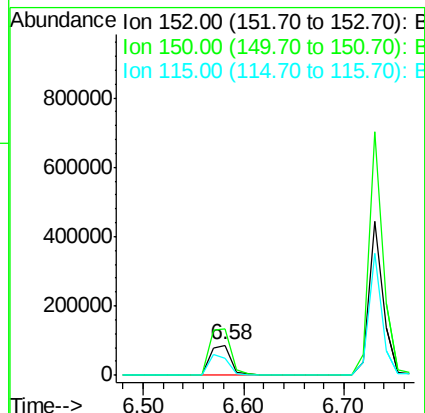
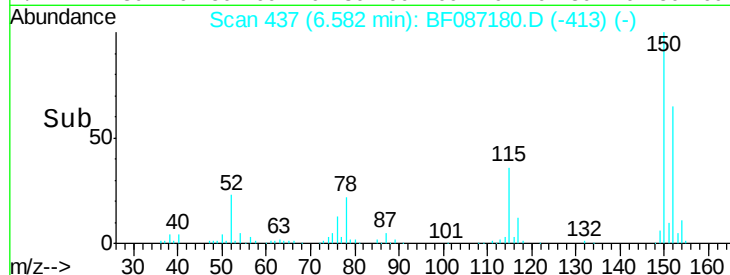
115 55.9 51.5 77.3



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: 61.73 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

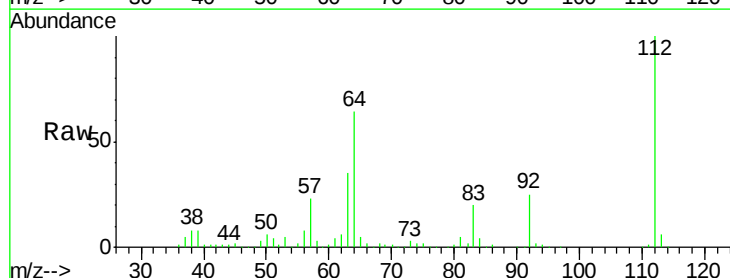
Tgt Ion:112 Resp: 465457

Ion Ratio Lower Upper

112 100

64 63.6 52.1 78.1

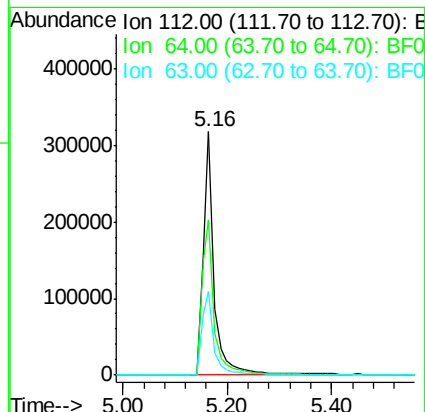
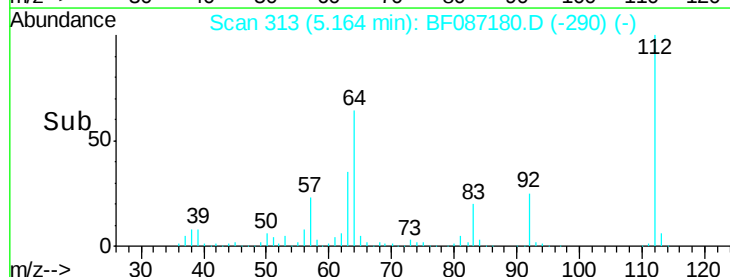
63 34.5 25.7 38.5



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: 37.42 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

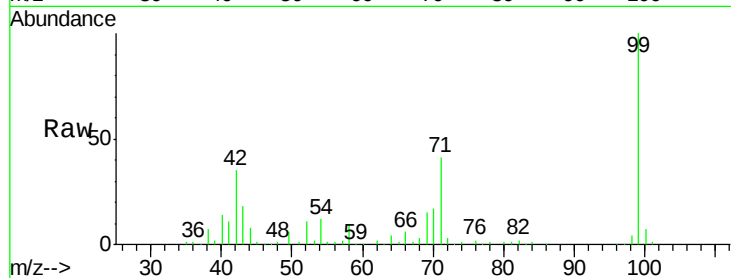
Tot Ion: 99 Resp: 378460

Ion Ratio Lower Upper

99 100

42 35.2 13.6 20.4#

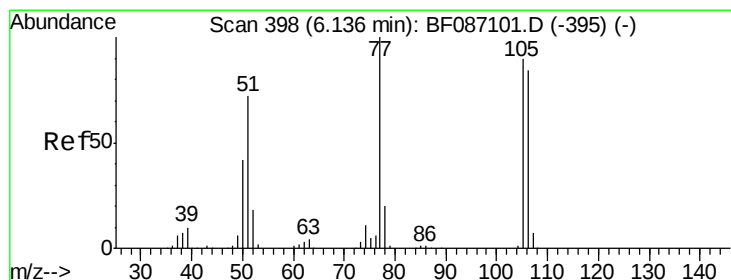
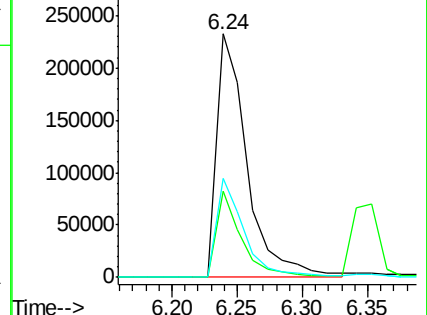
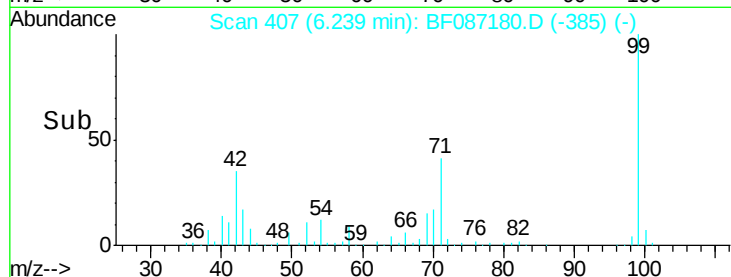
71 40.9 24.6 36.8#



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: 3.32 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

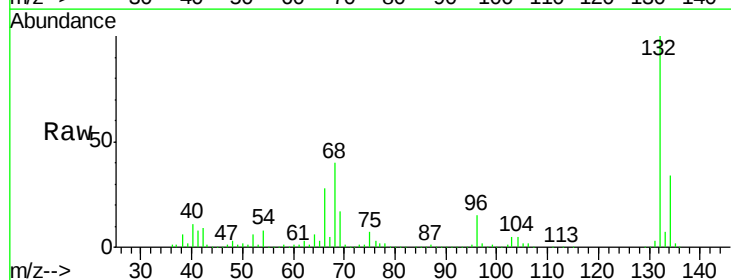
Tgt Ion: 77 Resp: 24453

Ion Ratio Lower Upper

77 100

105 76.8 72.7 112.7

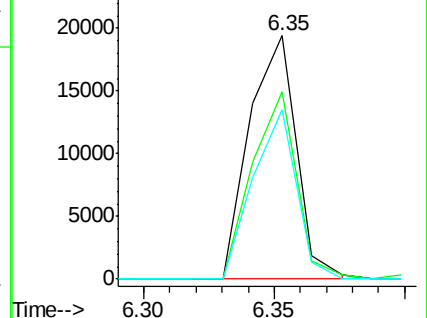
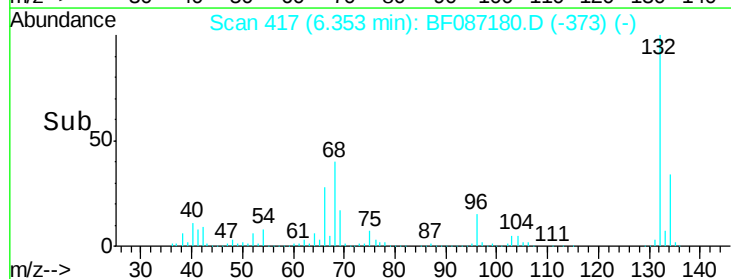
106 69.8 70.8 110.8#

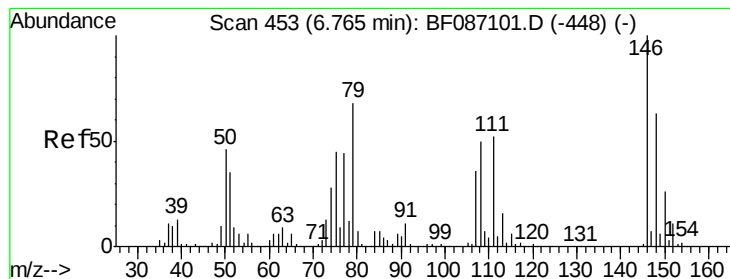


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

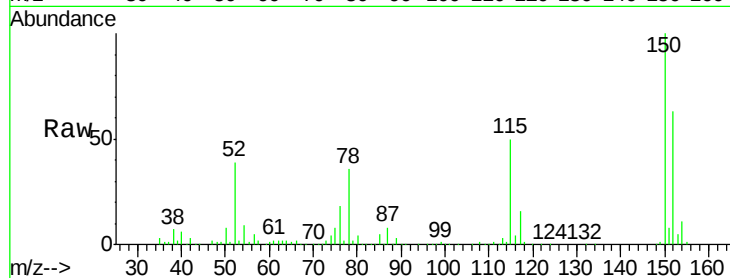
Tot Ion: 79 Resp: 15557

Ion Ratio Lower Upper

79 100

108 26.9 68.4 102.6#

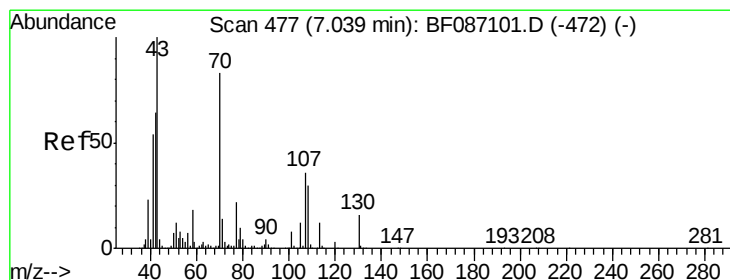
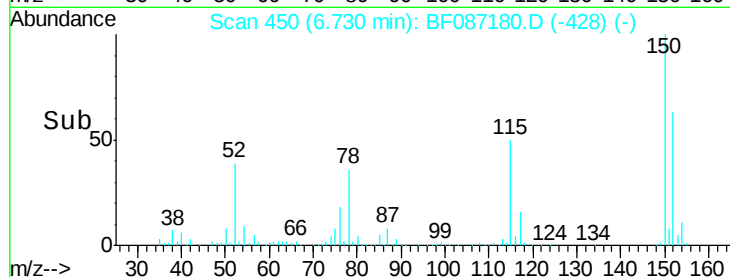
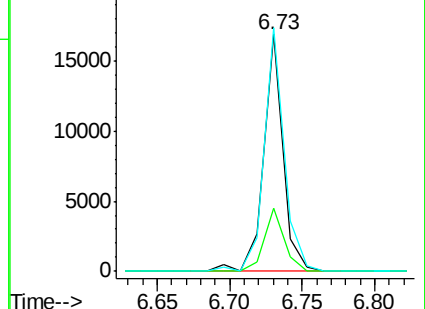
77 102.8 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.36 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Tgt Ion: 70 Resp: 125774

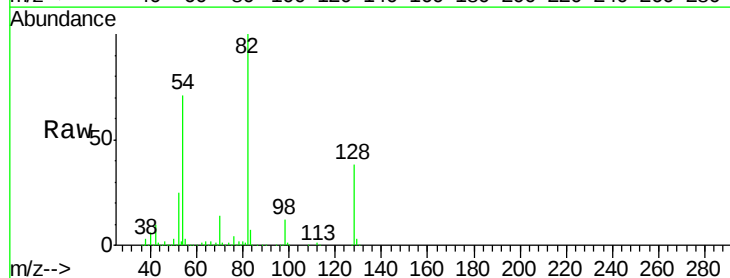
Ion Ratio Lower Upper

70 100

42 69.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

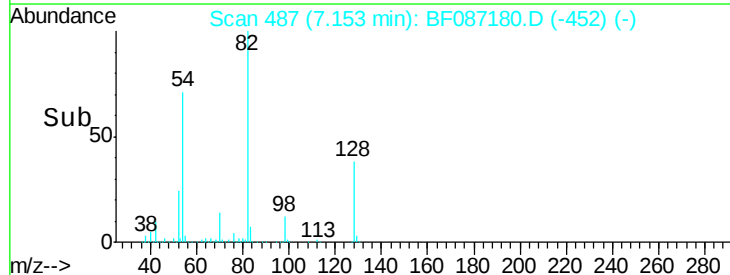
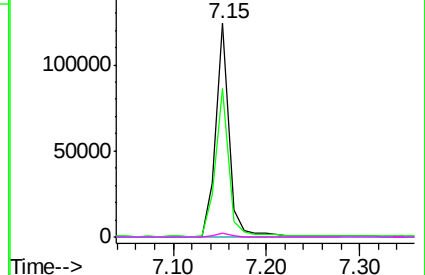


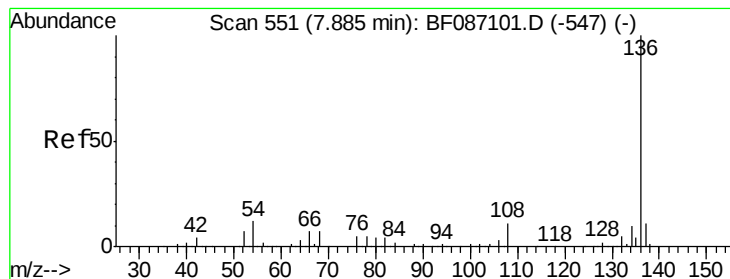
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

Tot Ion:136 Resp: 511282

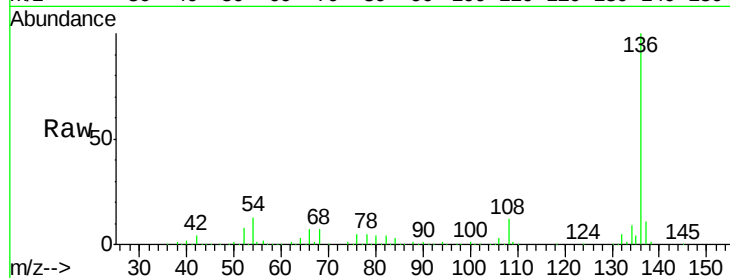
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 13.3 5.0 7.4#

68 7.0 4.4 6.6#

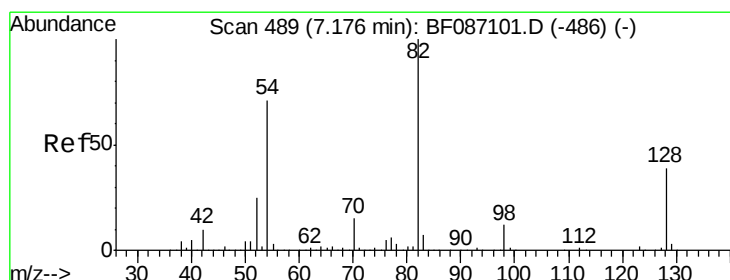
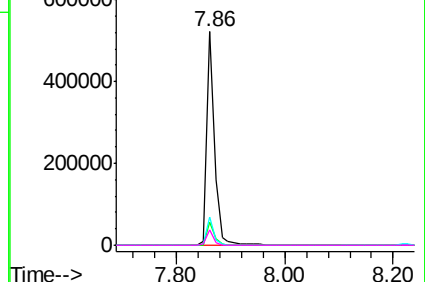
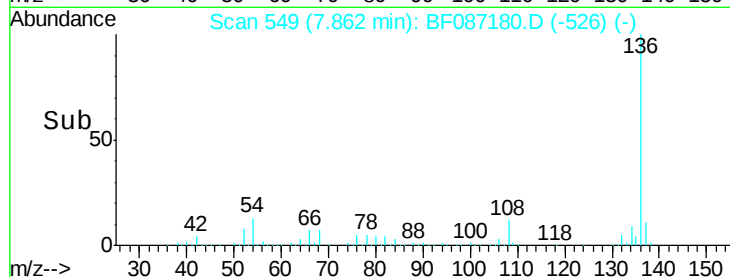


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 86.51 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

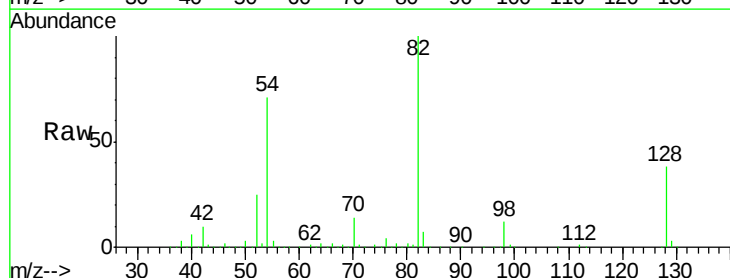
Tgt Ion: 82 Resp: 887471

Ion Ratio Lower Upper

82 100

128 37.7 40.6 61.0#

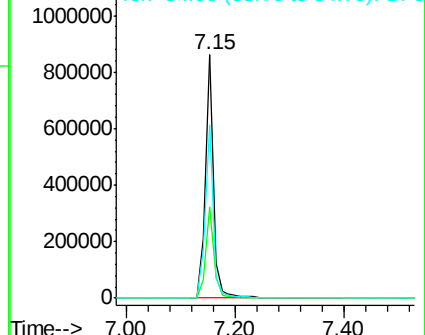
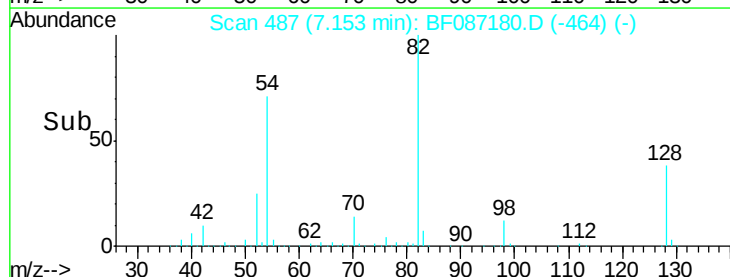
54 71.2 38.1 57.1#

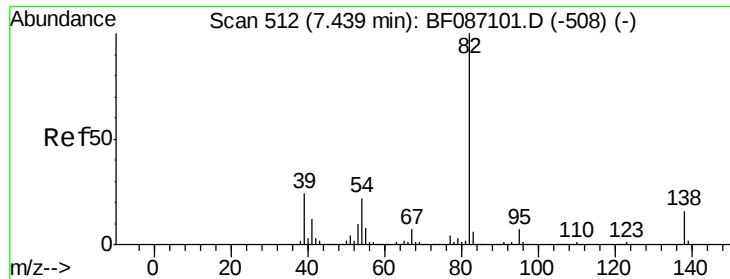


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.79 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampled :

RAV-GT-102

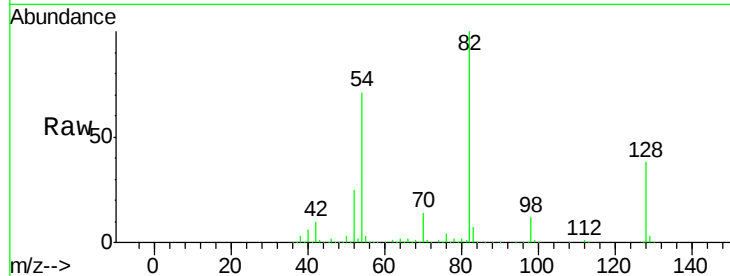
Tot Ion: 82 Resp: 728553

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

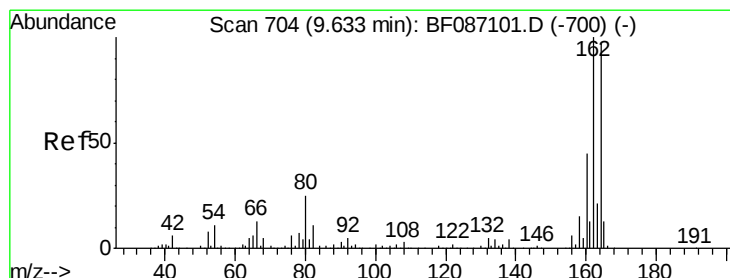
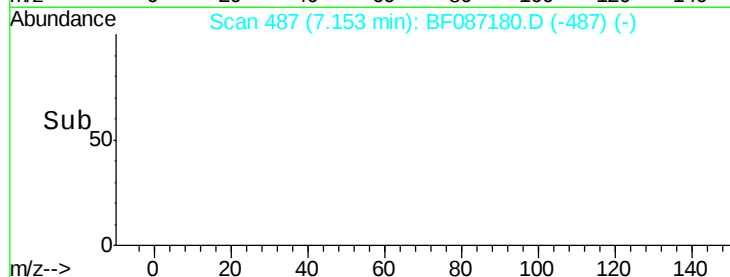
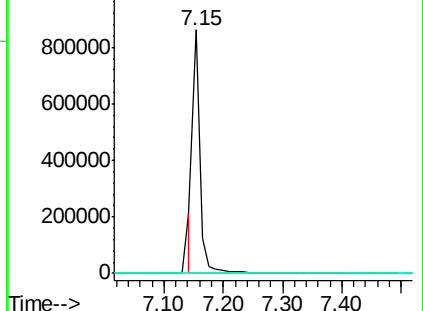
138 0.0 12.4 18.6#



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: BF087180.D

Acq: 19 May 2016 9:38

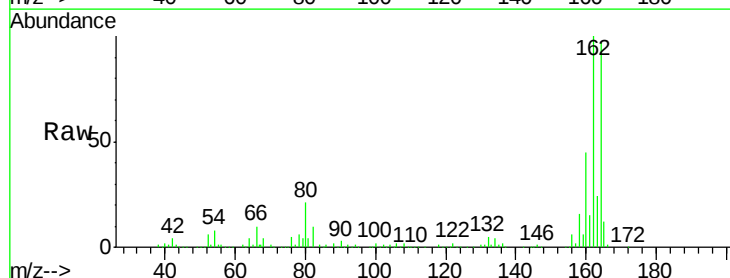
Tgt Ion: 164 Resp: 240300

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

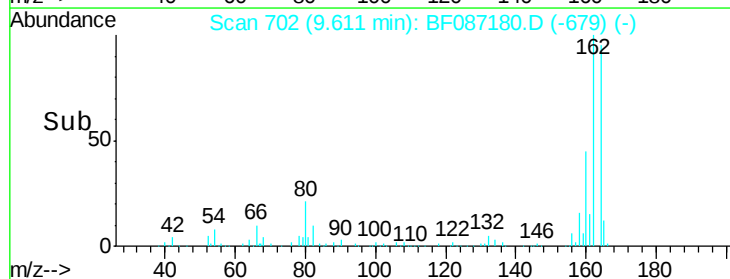
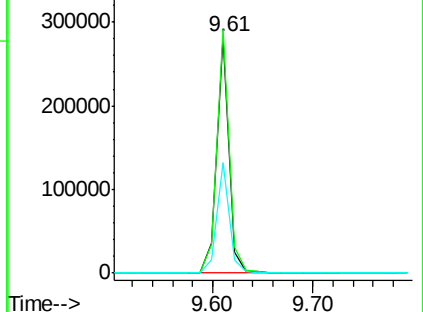
160 46.8 36.9 55.3

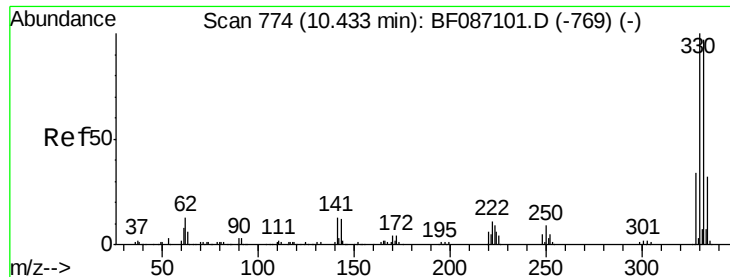


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

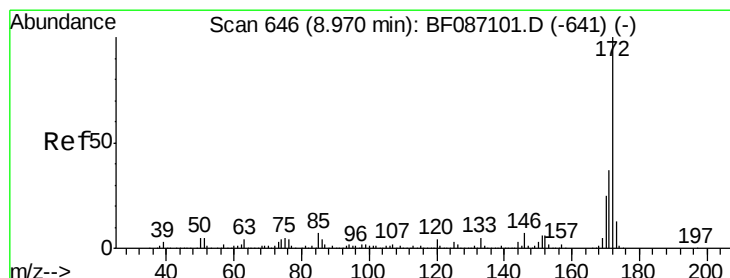
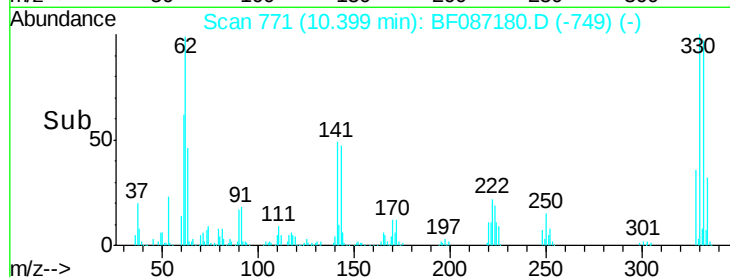
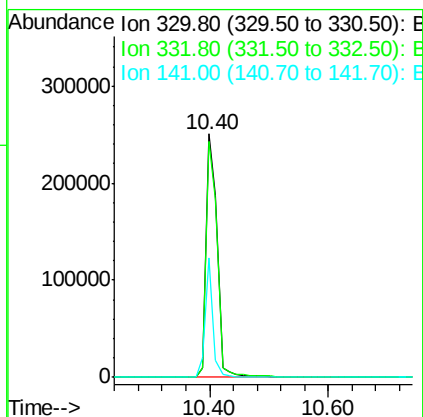
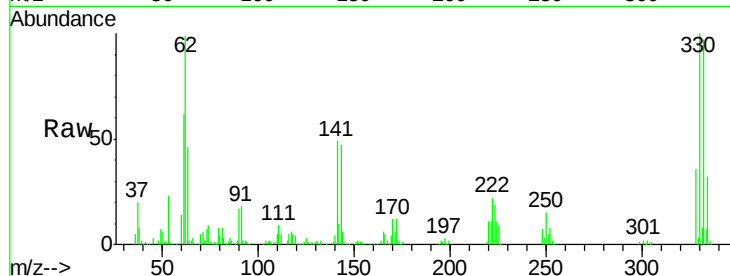




#41
 2,4,6-Tribromophenol
 Concen: 124.33 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087180.D
 Acq: 19 May 2016 9:38

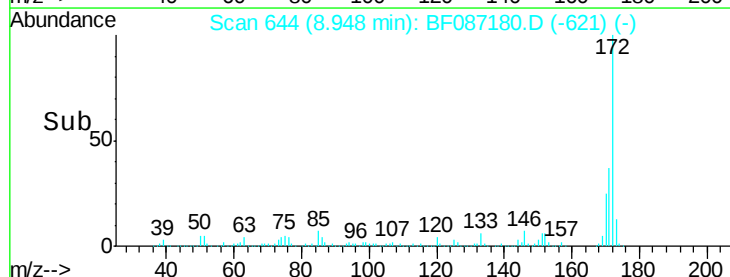
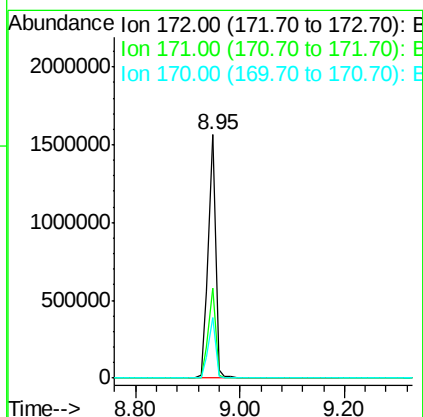
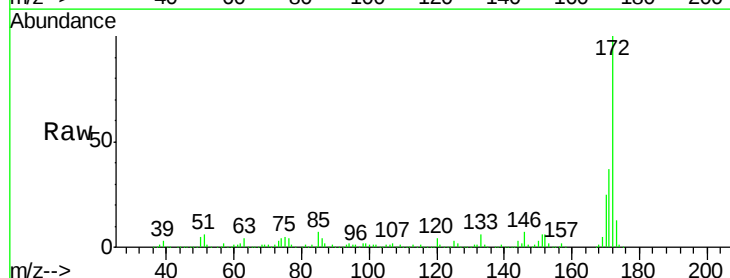
Instrument :
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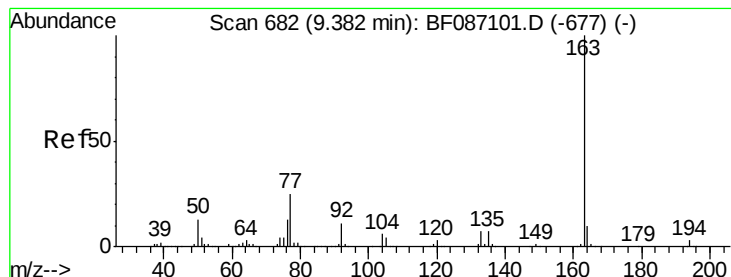
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.0	118.4
141	35.4	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 105.99 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087180.D
 Acq: 19 May 2016 9:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	24.9	19.8	29.8





#49

Dimethylphthalate

Concen: 3.43 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

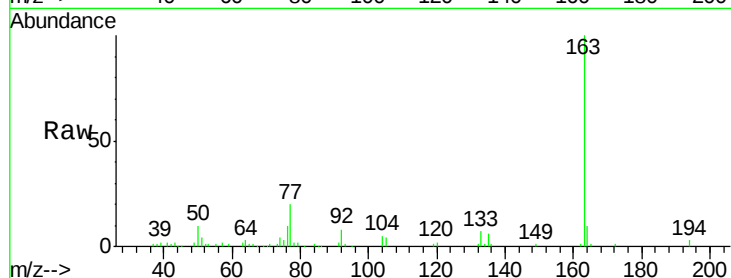
Tot Ion:163 Resp: 62896

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

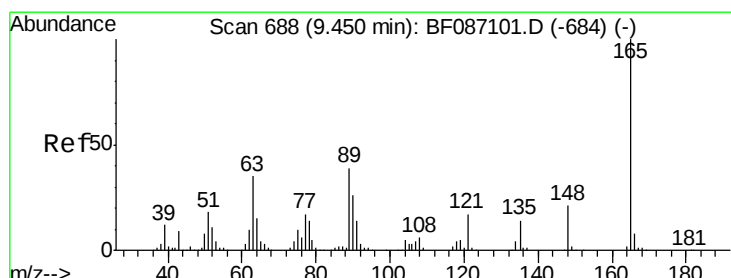
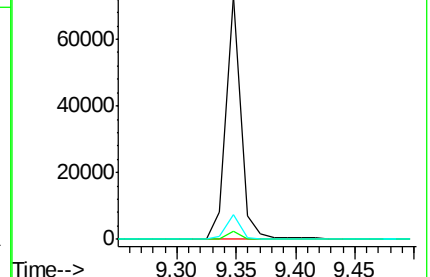
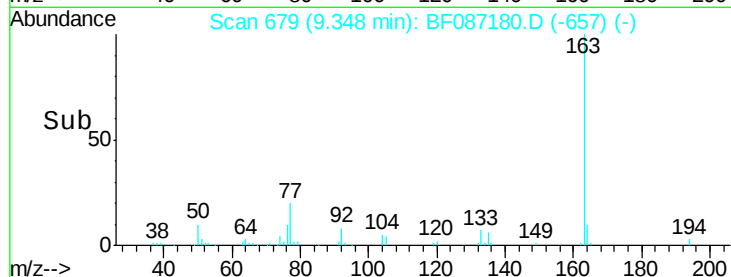
164 10.2 8.2 12.4



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: 7.73 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

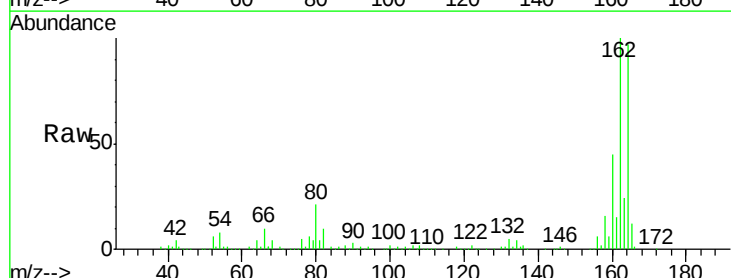
Tgt Ion:165 Resp: 30787

Ion Ratio Lower Upper

165 100

63 2.0 51.8 77.8#

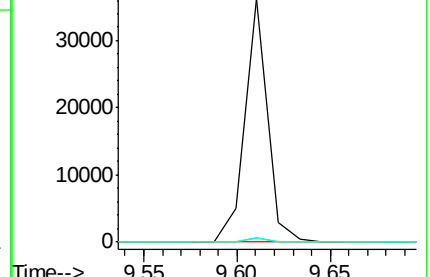
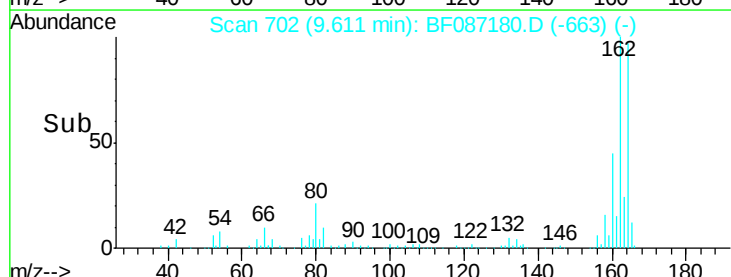
89 1.9 50.7 76.1#

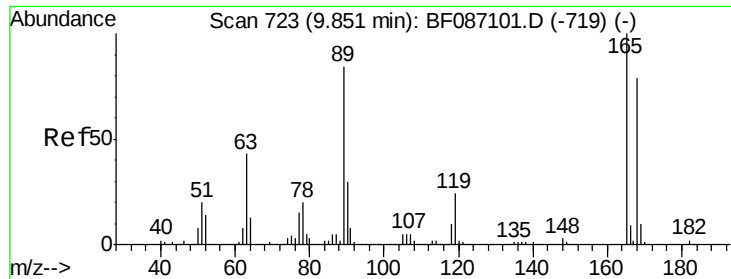


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.04 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.25 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

Tot Ion:165 Resp: 30787

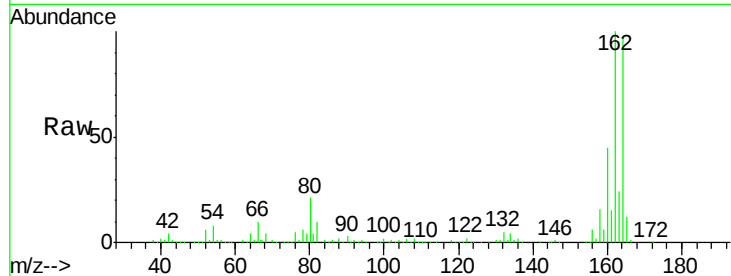
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

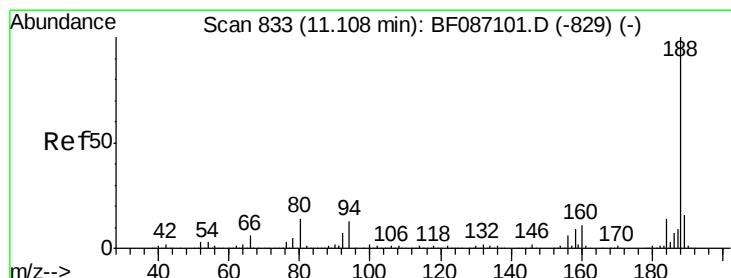
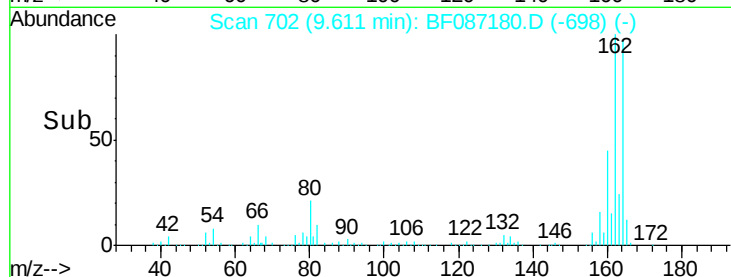
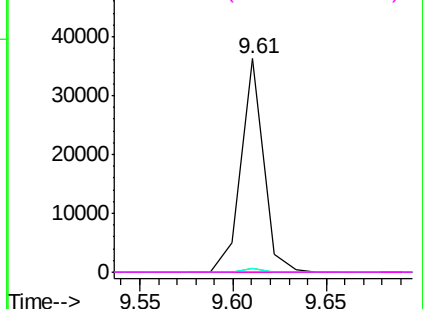


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.09 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

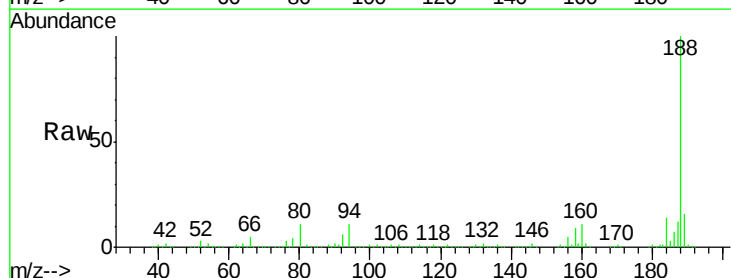
Tgt Ion:188 Resp: 403071

Ion Ratio Lower Upper

188 100

94 10.5 6.8 10.2#

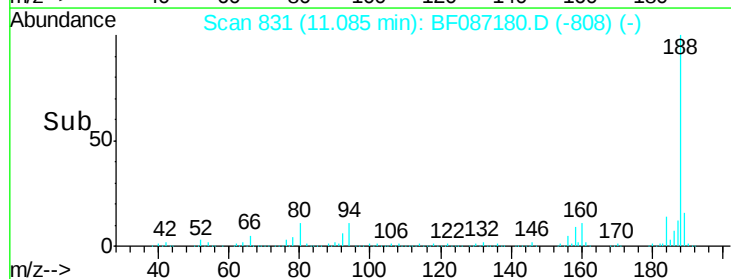
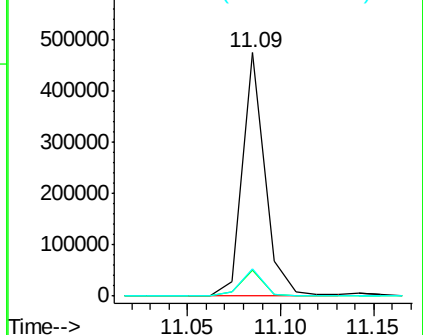
80 11.2 7.1 10.7#

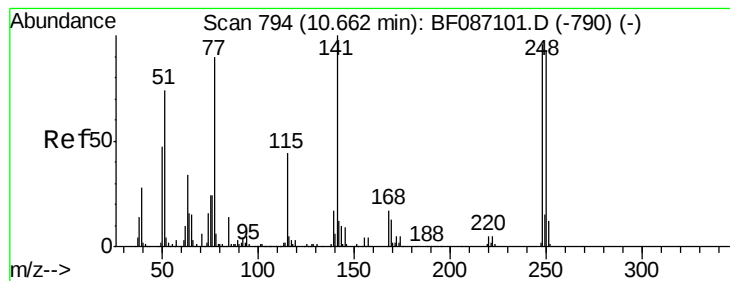


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.62 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087180.D

Acq: 19 May 2016 9:38

Instrument :

BNA_F

ClientSampleId :

RAV-GT-102

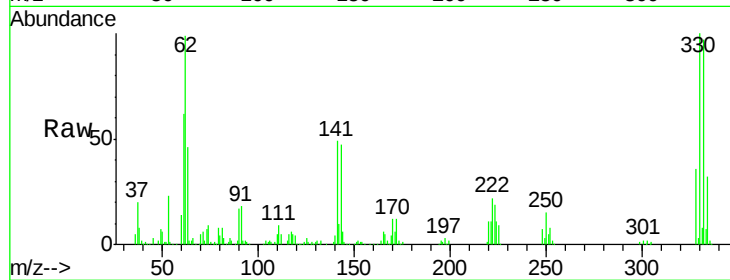
Tot Ion:248 Resp: 19142

Ion Ratio Lower Upper

248 100

250 202.4 78.6 117.8#

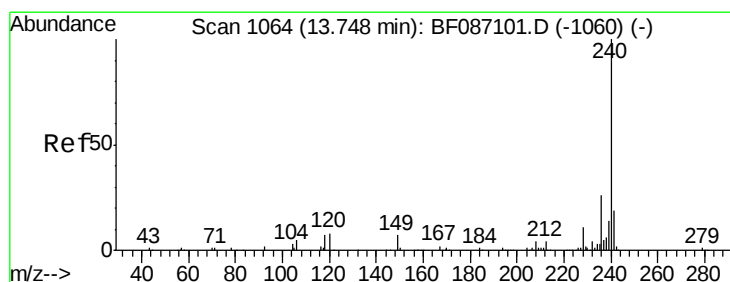
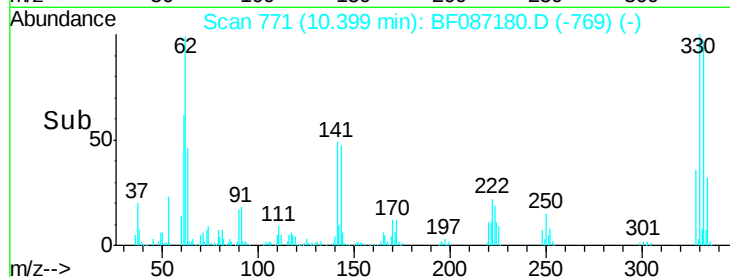
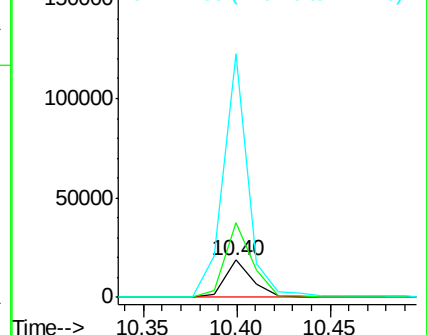
141 657.2 76.0 114.0#



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: BF087180.D

Acq: 19 May 2016 9:38

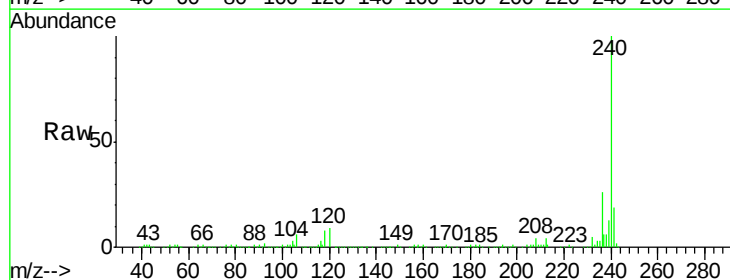
Tgt Ion:240 Resp: 288864

Ion Ratio Lower Upper

240 100

120 9.0 11.2 16.8#

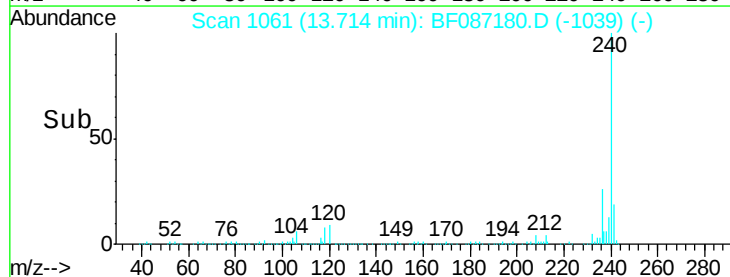
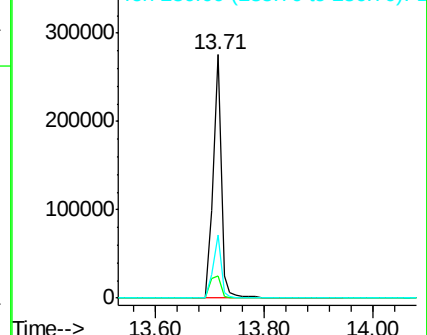
236 26.0 21.2 31.8

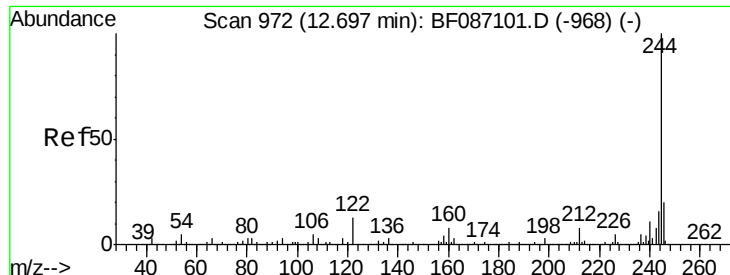


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

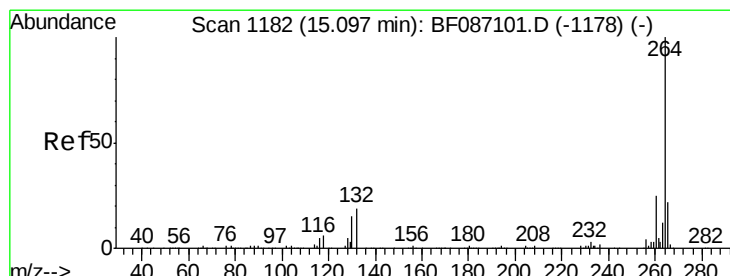
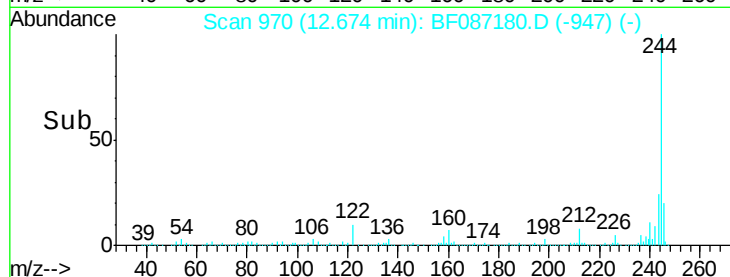
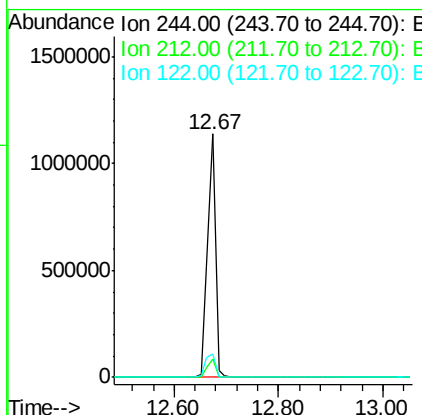
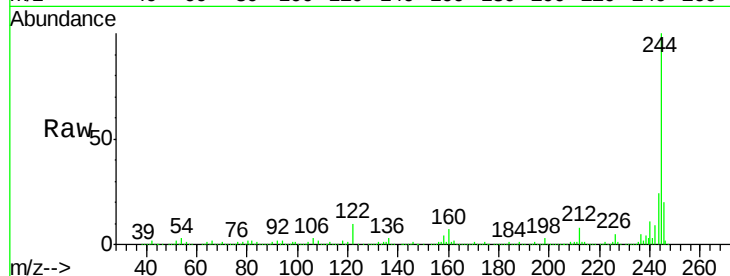




#78
 Terphenyl-d14
 Concen: 92.95 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.03 min
 Lab File: BF087180.D
 Acq: 19 May 2016 9:38

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-102

Tot Ion:244 Resp: 1186901
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.6 12.0 18.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087180.D
 Acq: 19 May 2016 9:38

Tgt Ion:264 Resp: 294768
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.8 17.3 25.9

