

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
 Data File : BF087175.D
 Acq On : 19 May 2016 7:14
 Operator : UM/SJ
 Sample : H3120-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-201

Quant Time: May 19 07:41:49 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	126525	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	504839	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	235864	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	358498	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	281258	20.00	ng	-0.05
86) Perylene-d12	15.06	264	291160	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	445861	59.23	ng	-0.03
7) Phenol-d6	6.24	99	379899	37.63	ng	-0.05
23) Nitrobenzene-d5	7.15	82	872724	86.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	294801	113.11	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1484950	104.27	ng	-0.03
78) Terphenyl-d14	12.67	244	1006984	80.99	ng	-0.03

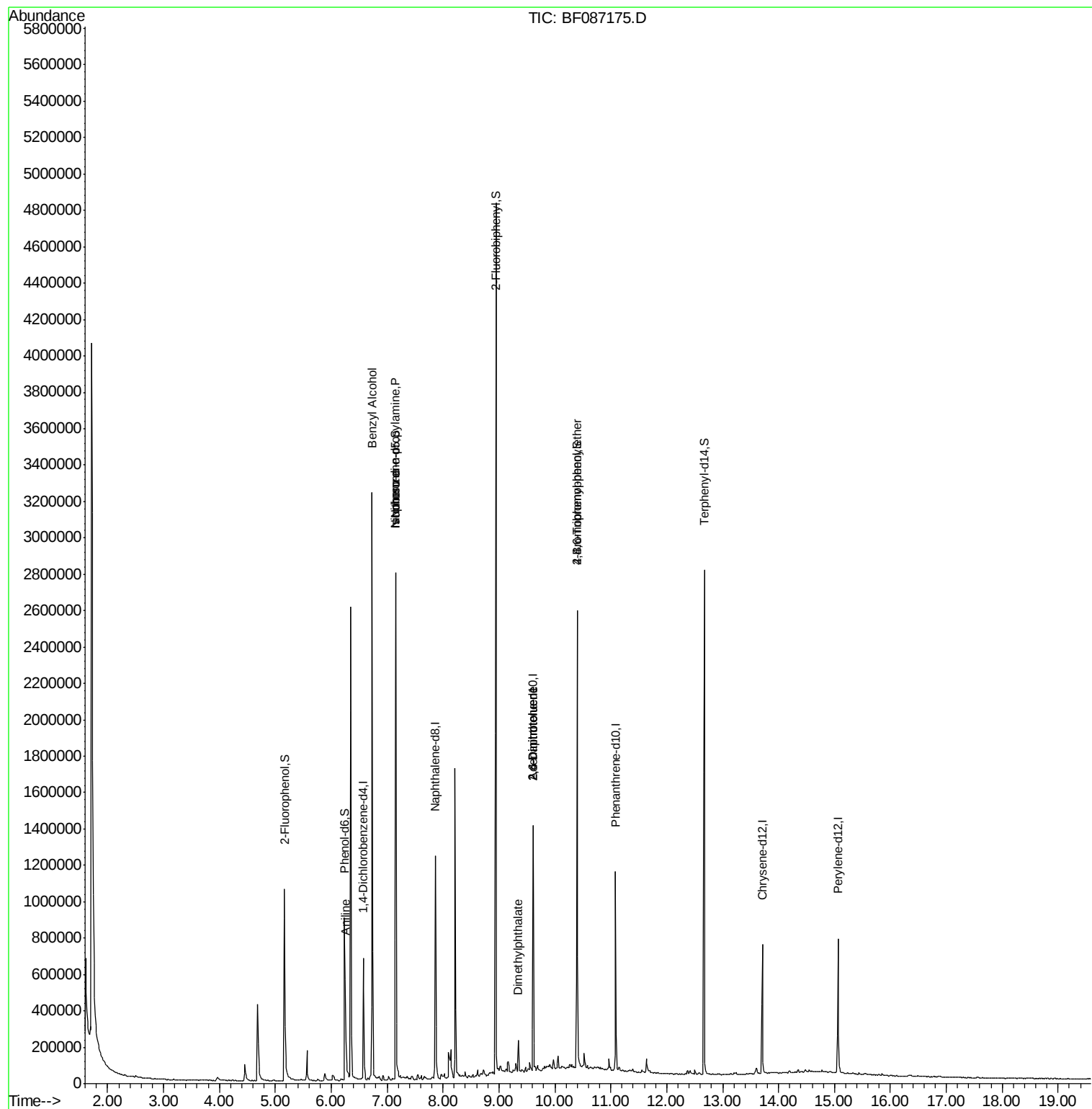
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.25	93	33668	2.63	ng	# 76
9) Benzaldehyde	6.16	77	1436	Below Cal		# 49
15) Benzyl Alcohol	6.73	79	16735	2.23	ng	# 43
19) n-Nitroso-di-n-propylamine	7.15	70	128184	16.70	ng	# 72
25) Isophorone	7.15	82	696872	37.58	ng	# 68
49) Dimethylphthalate	9.35	163	64218	3.57	ng	100
50) 2,6-Dinitrotoluene	9.61	165	31369	8.03	ng	# 22
56) 2,4-Dinitrotoluene	9.61	165	31373	6.27	ng	# 17
66) 4-Bromophenyl-phenylether	10.40	248	17671	4.79	ng	# 1

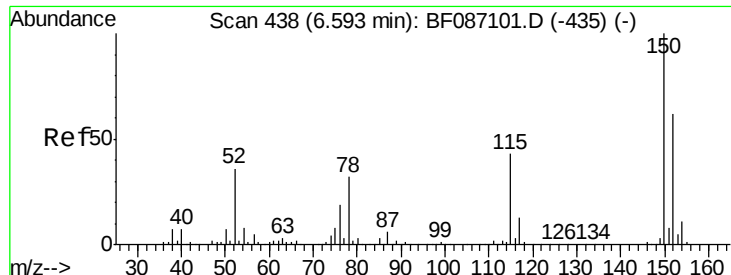
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
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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: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

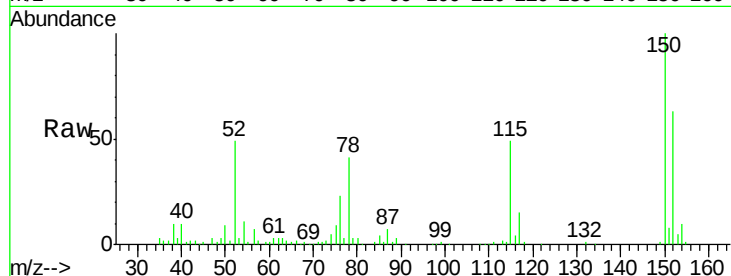
Tgt Ion:152 Resp: 126525

Ion Ratio Lower Upper

152 100

150 157.5 125.8 188.6

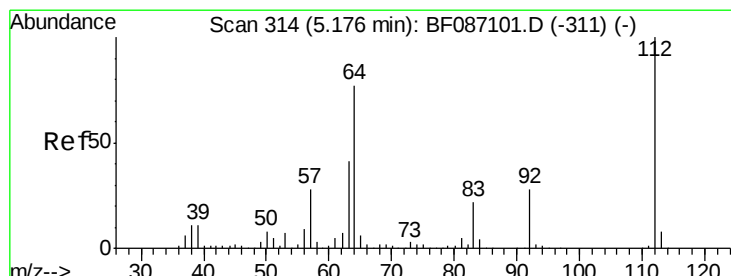
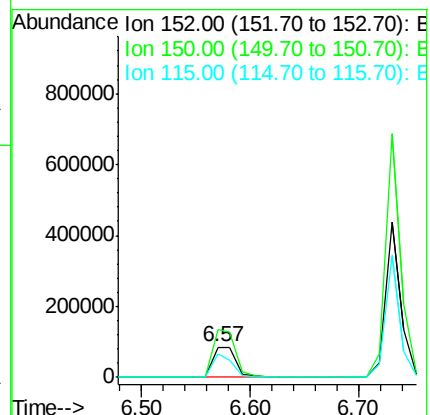
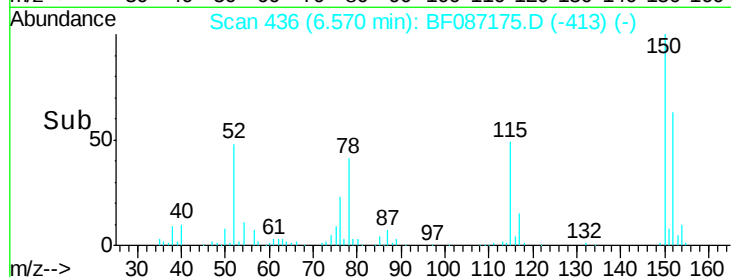
115 76.5 51.5 77.3



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: 59.23 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

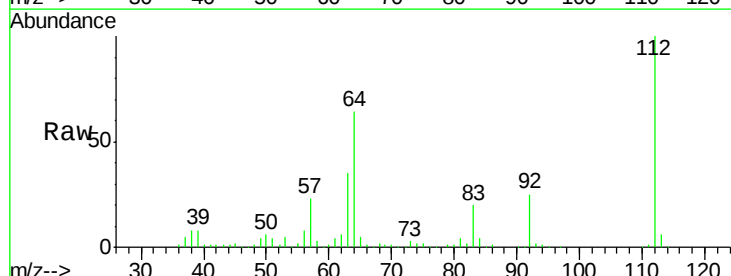
Tgt Ion:112 Resp: 445861

Ion Ratio Lower Upper

112 100

64 63.5 52.1 78.1

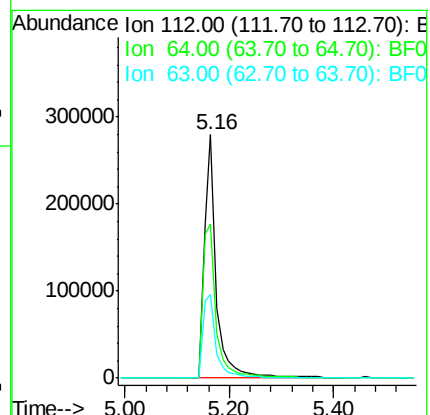
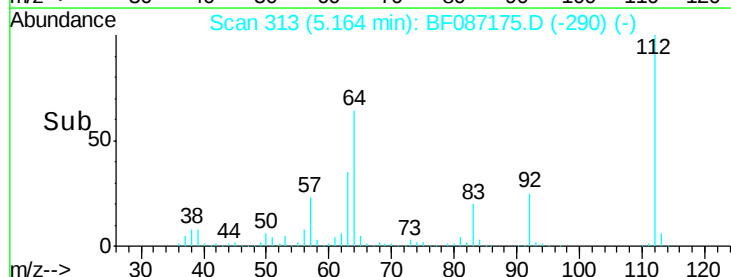
63 34.6 25.7 38.5

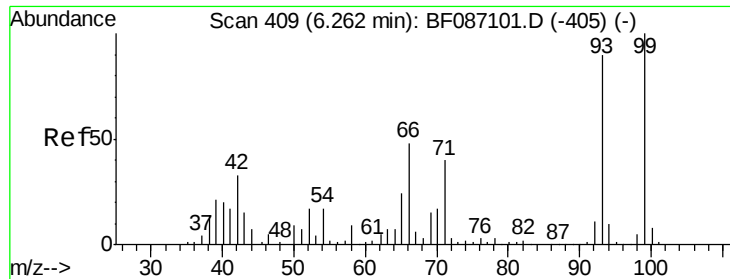


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.63 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

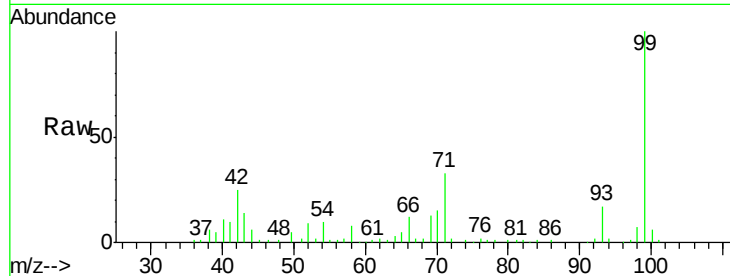
Tgt Ion: 93 Resp: 33668

Ion Ratio Lower Upper

93 100

66 72.5 39.0 58.6#

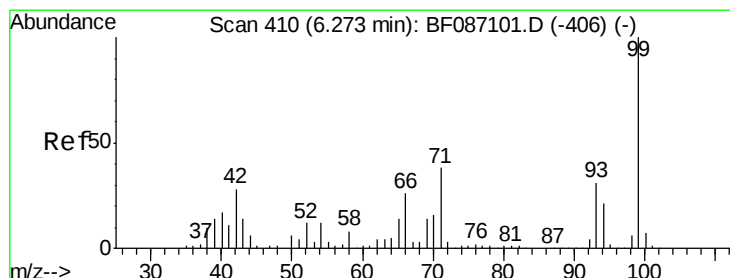
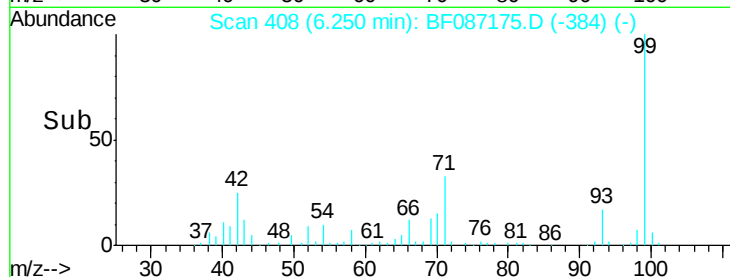
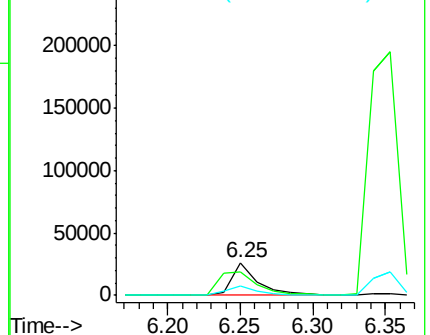
65 27.6 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 37.63 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

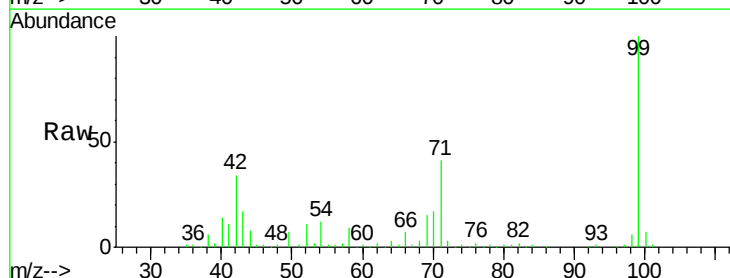
Tgt Ion: 99 Resp: 379899

Ion Ratio Lower Upper

99 100

42 33.6 13.6 20.4#

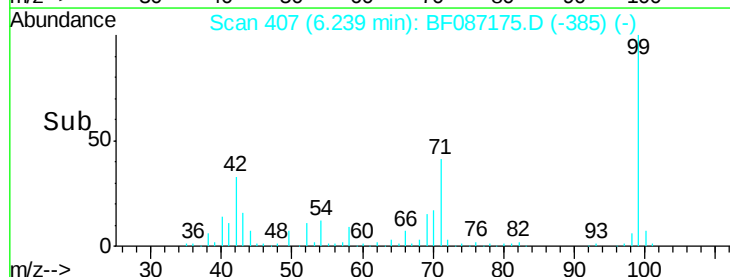
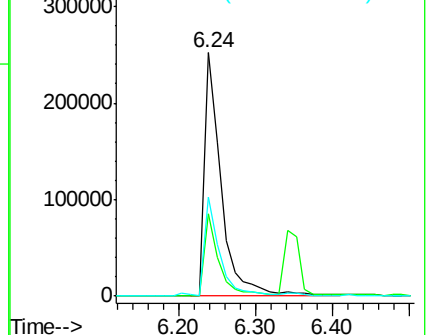
71 40.7 24.6 36.8#

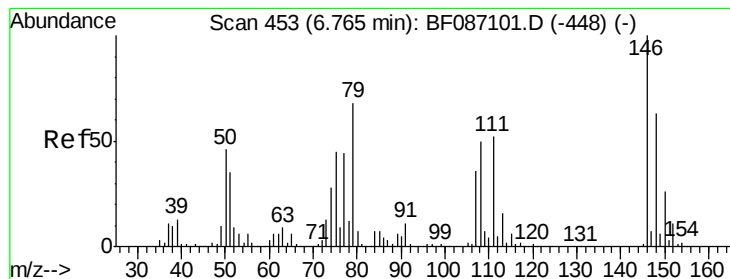


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

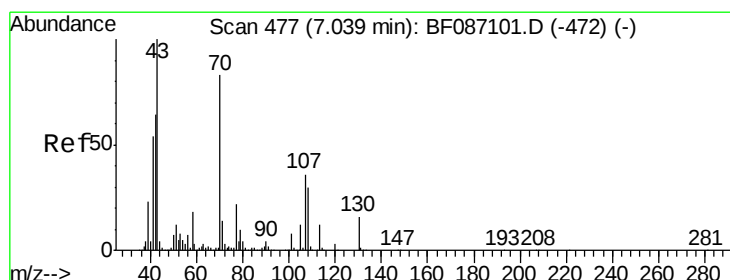
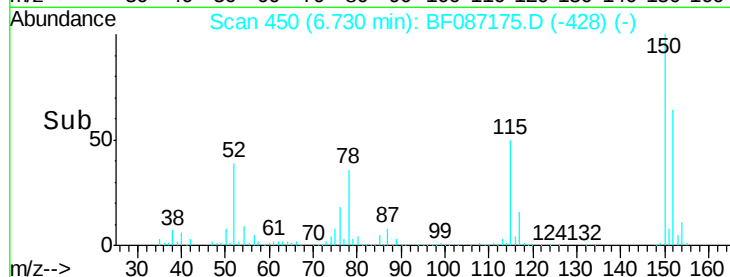
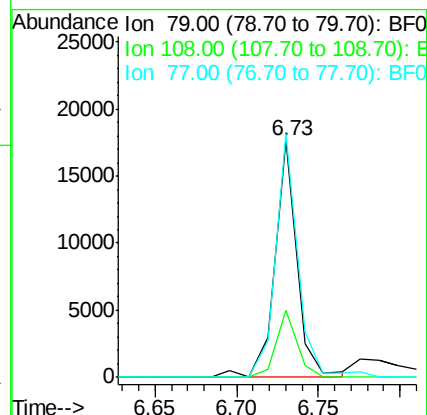
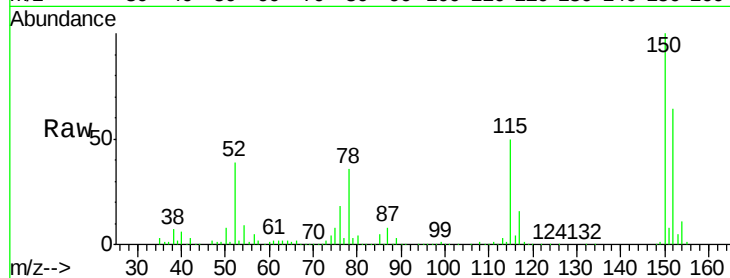
Tgt Ion: 79 Resp: 16735

Ion Ratio Lower Upper

79 100

108 28.4 68.4 102.6#

77 102.7 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.70 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Tgt Ion: 70 Resp: 128184

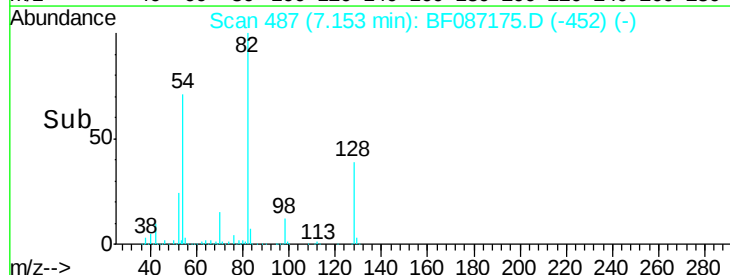
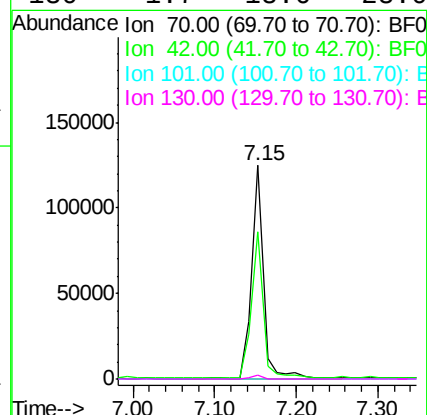
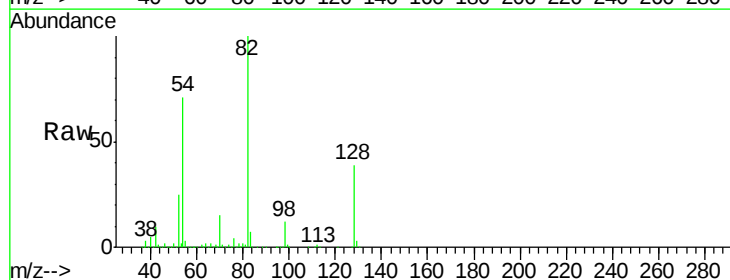
Ion Ratio Lower Upper

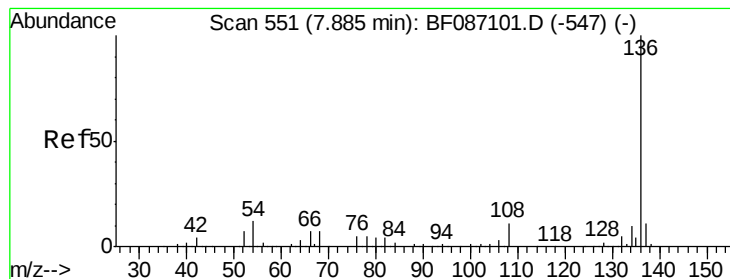
70 100

42 68.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 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: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

Tgt Ion: 136 Resp: 504839

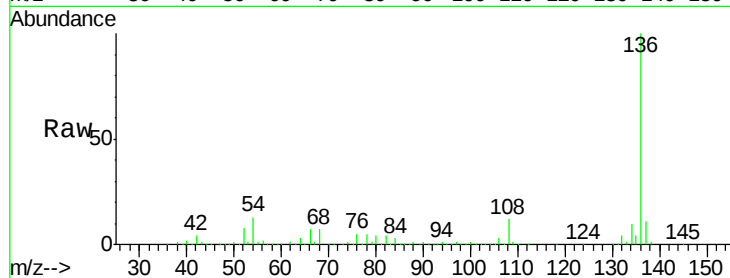
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 13.3 5.0 7.4#

68 7.0 4.4 6.6#

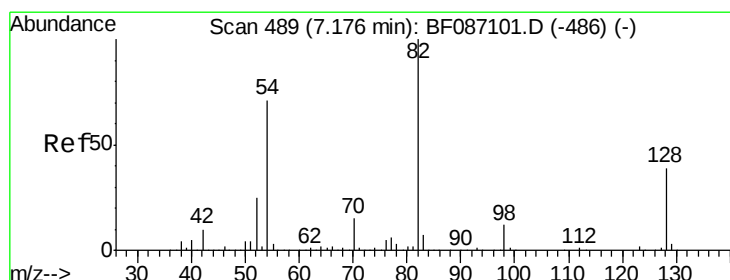
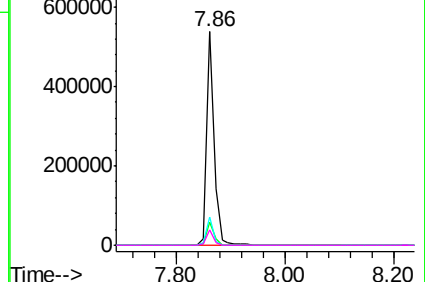
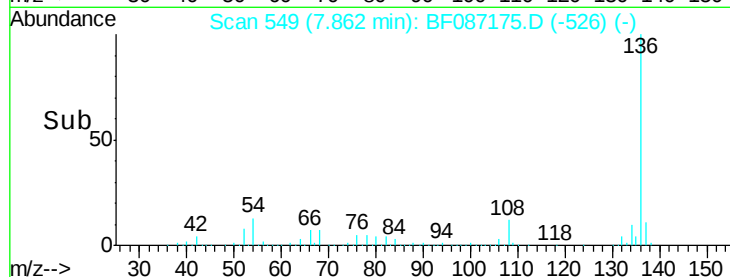


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.16 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

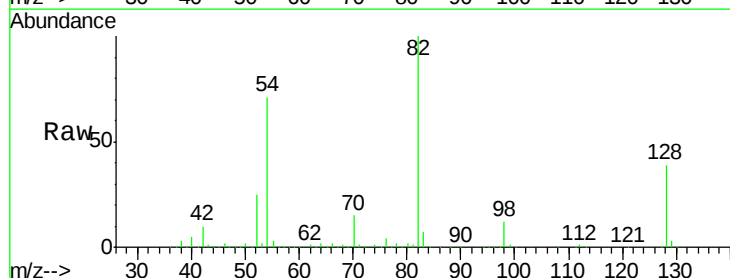
Tgt Ion: 82 Resp: 872724

Ion Ratio Lower Upper

82 100

128 38.8 40.6 61.0#

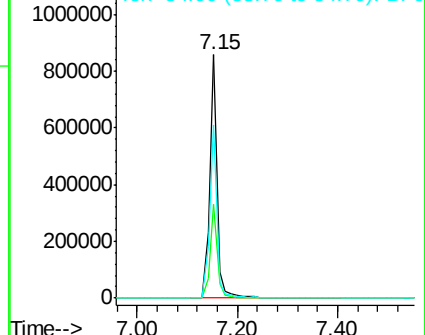
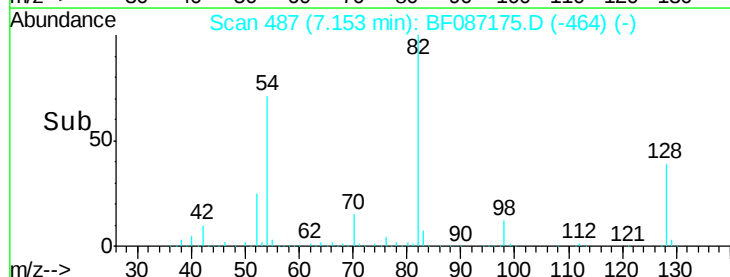
54 71.2 38.1 57.1#

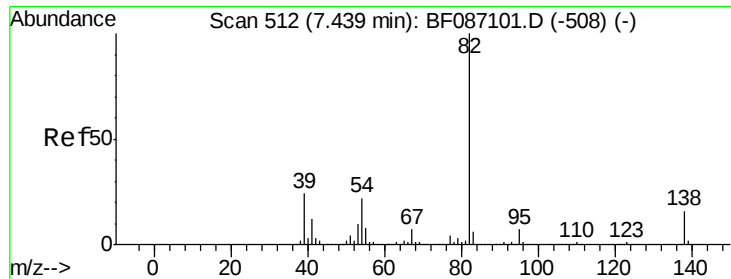


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.58 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

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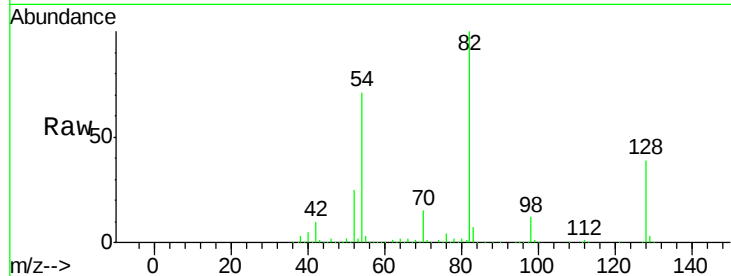
Tgt Ion: 82 Resp: 696872

Ion Ratio Lower Upper

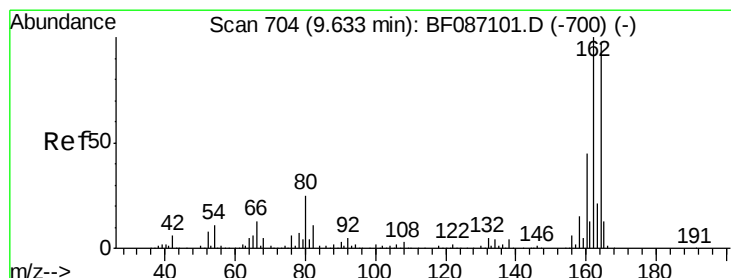
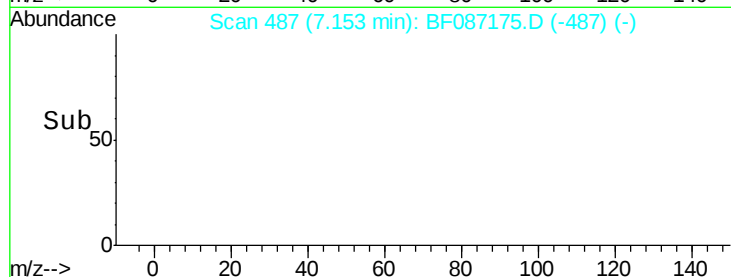
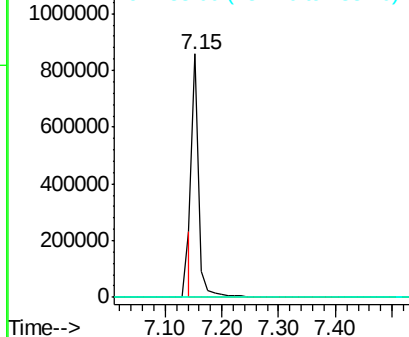
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

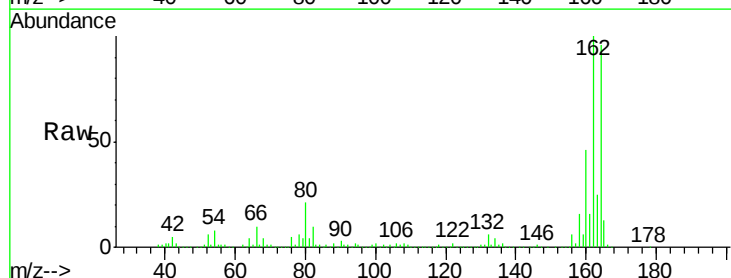
Tgt Ion: 164 Resp: 235864

Ion Ratio Lower Upper

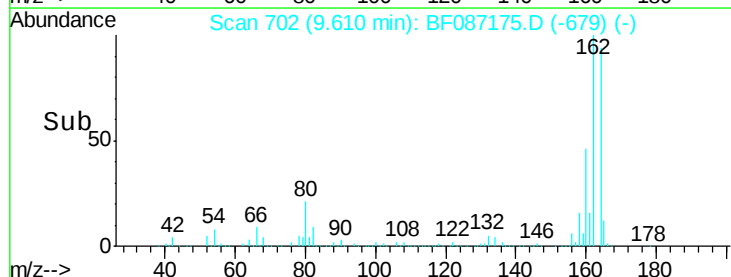
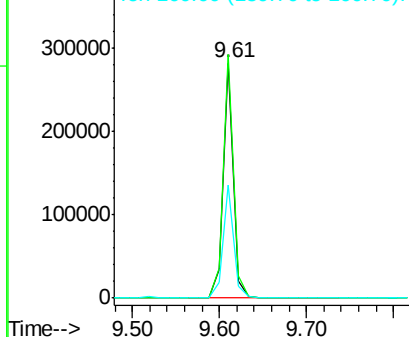
164 100

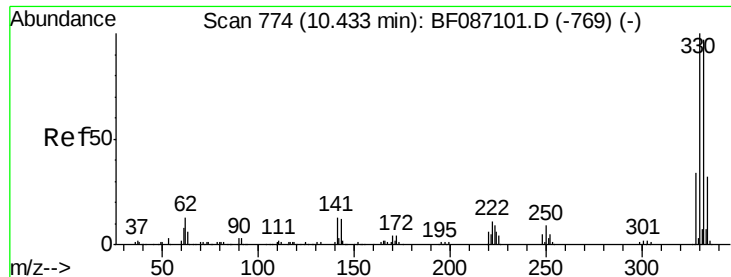
162 103.8 82.8 124.2

160 48.1 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

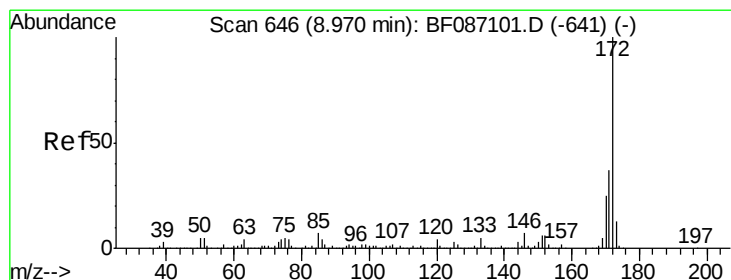
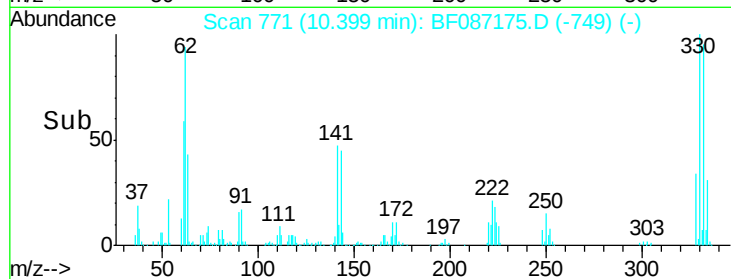
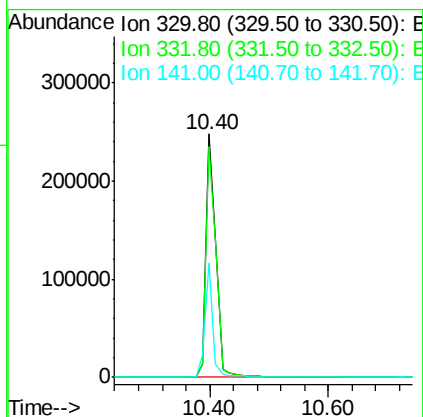
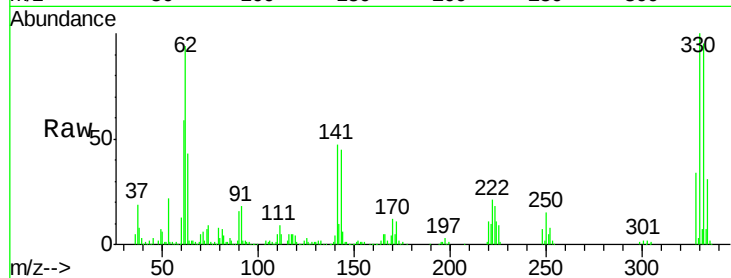




#41
 2,4,6-Tribromophenol
 Concen: 113.11 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087175.D
 Acq: 19 May 2016 7:14

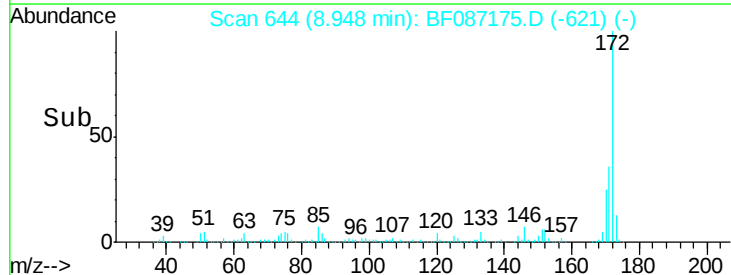
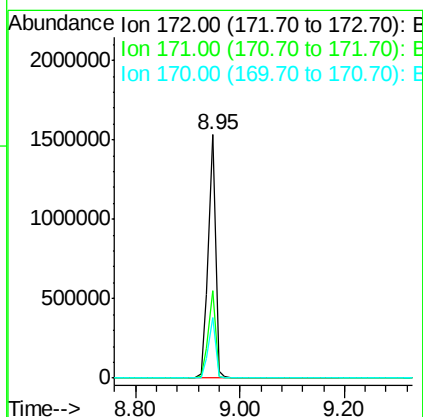
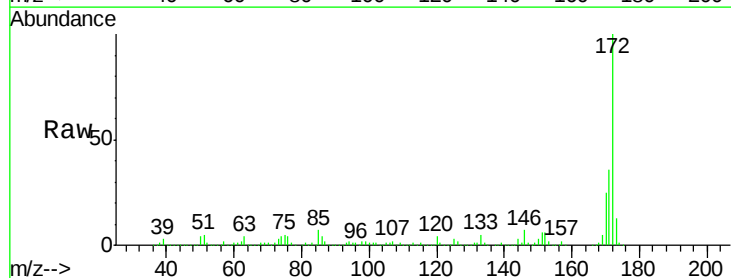
Instrument :
 BNA_F
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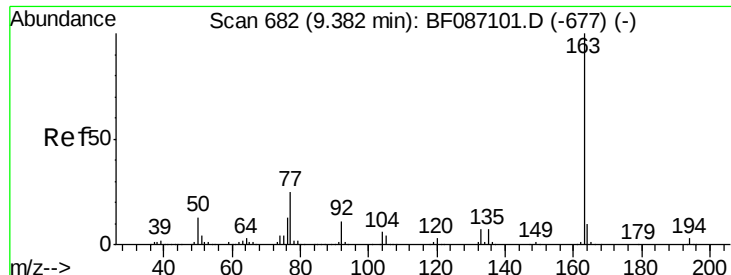
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	36.7	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 104.27 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087175.D
 Acq: 19 May 2016 7:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	24.8	19.8	29.8





#49

Dimethylphthalate

Concen: 3.57 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

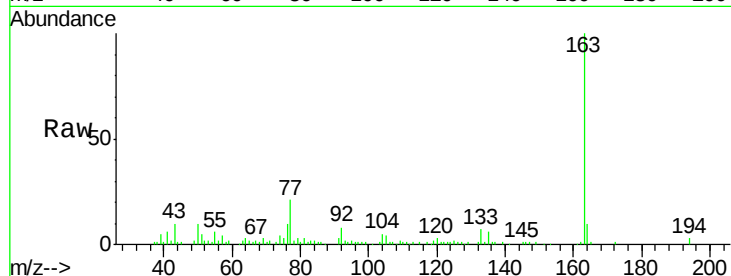
Tgt Ion:163 Resp: 64218

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

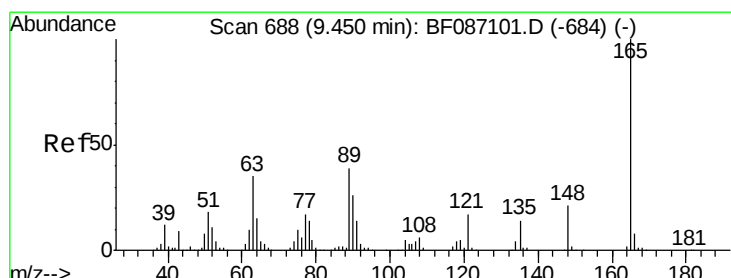
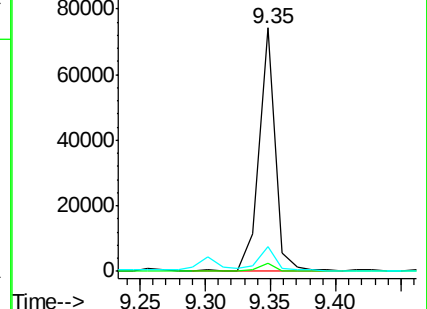
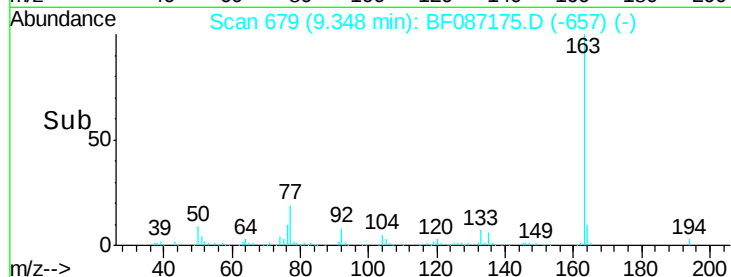
164 10.2 8.2 12.4



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: 8.03 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

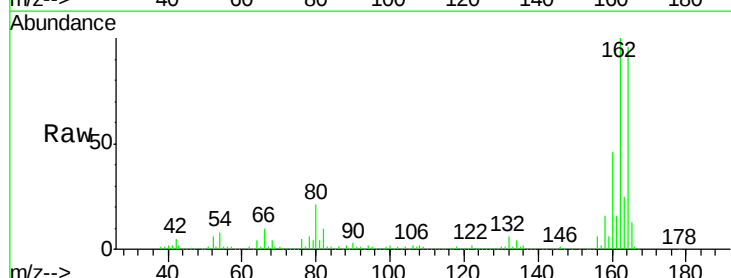
Tgt Ion:165 Resp: 31369

Ion Ratio Lower Upper

165 100

63 2.9 51.8 77.8#

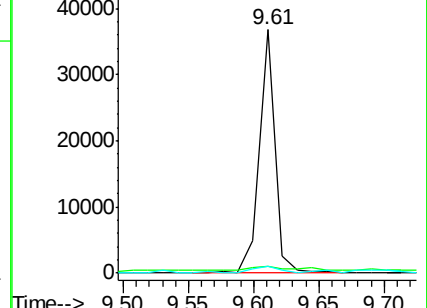
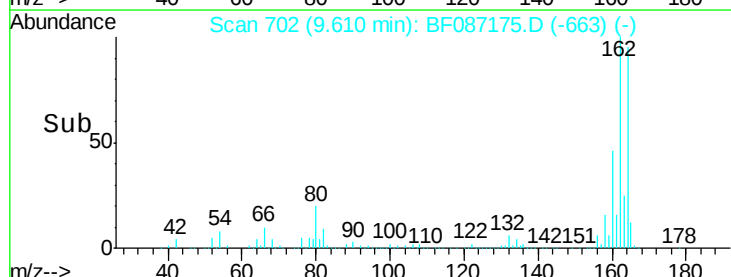
89 2.6 50.7 76.1#

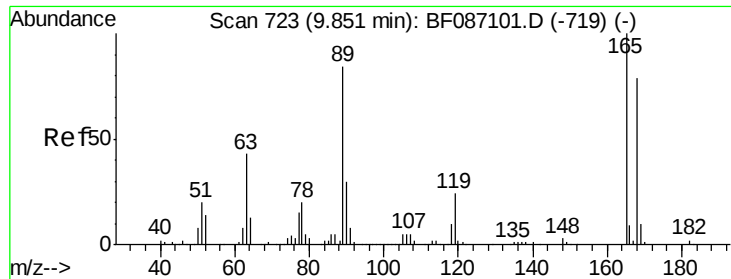


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

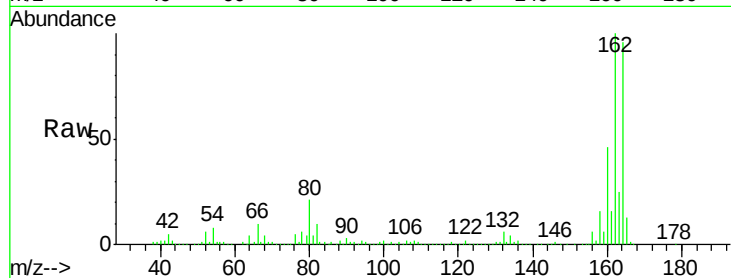




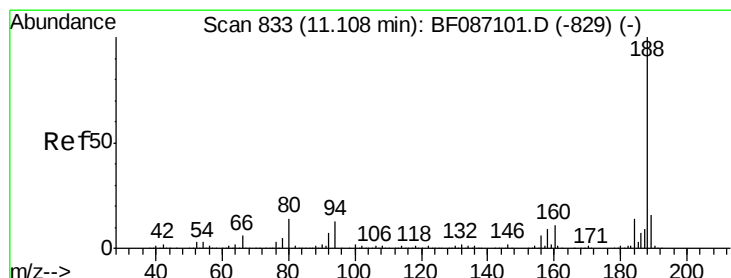
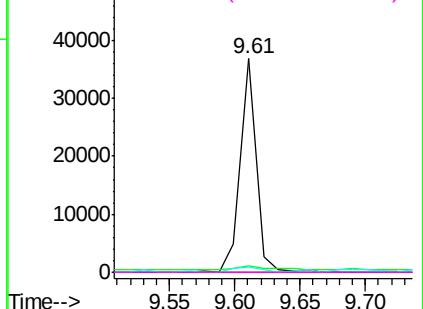
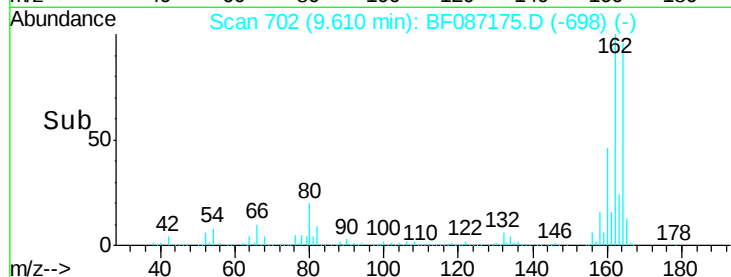
#56
 2,4-Dinitrotoluene
 Concen: 6.27 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.25 min
 Lab File: BF087175.D
 Acq: 19 May 2016 7:14

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-201

Tgt Ion:165 Resp: 31373
 Ion Ratio Lower Upper
 165 100
 63 2.9 44.3 66.5#
 89 2.6 70.0 105.0#
 182 0.0 1.8 2.6#

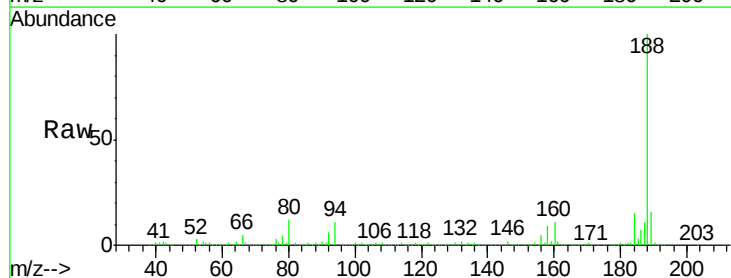


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

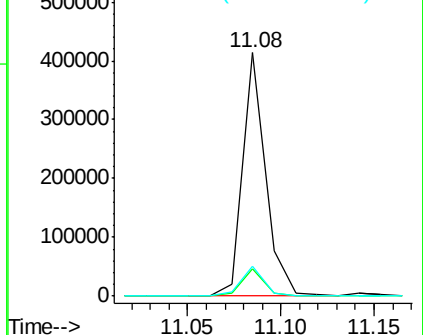
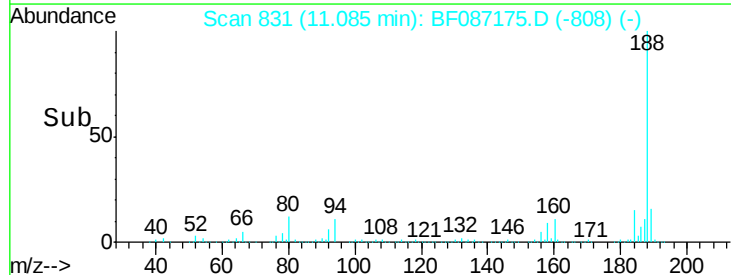


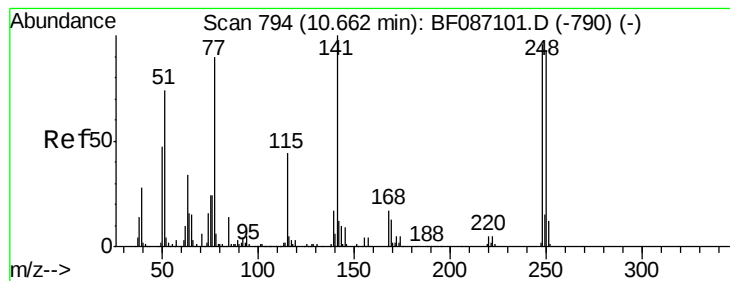
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087175.D
 Acq: 19 May 2016 7:14

Tgt Ion:188 Resp: 358498
 Ion Ratio Lower Upper
 188 100
 94 11.1 6.8 10.2#
 80 12.2 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: 4.79 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087175.D

Acq: 19 May 2016 7:14

Instrument :

BNA_F

ClientSampleId :

RAV-GT-201

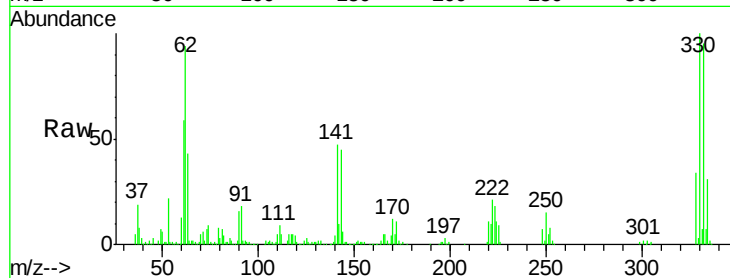
Tgt Ion:248 Resp: 17671

Ion Ratio Lower Upper

248 100

250 197.2 78.6 117.8#

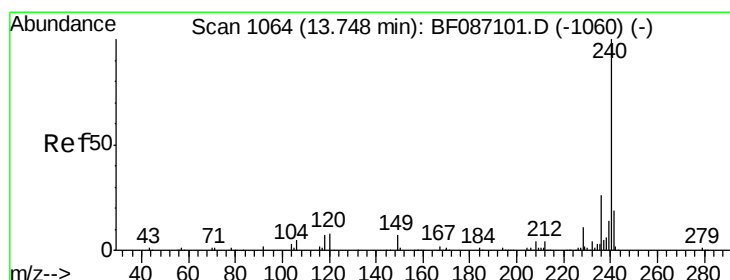
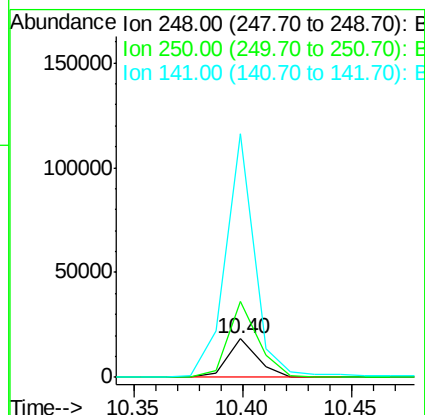
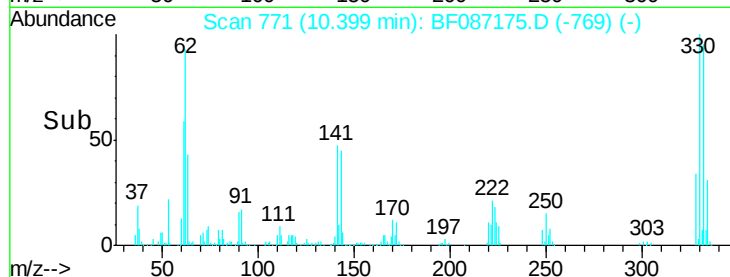
141 628.1 76.0 114.0#



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: BF087175.D

Acq: 19 May 2016 7:14

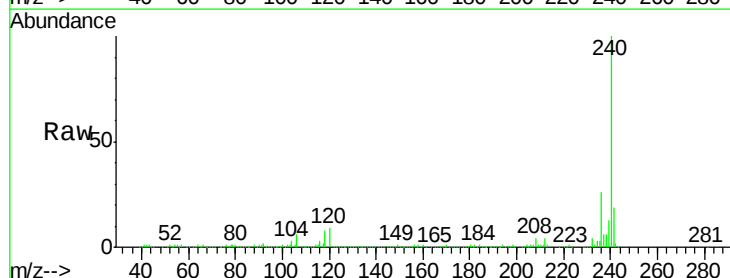
Tgt Ion:240 Resp: 281258

Ion Ratio Lower Upper

240 100

120 9.0 11.2 16.8#

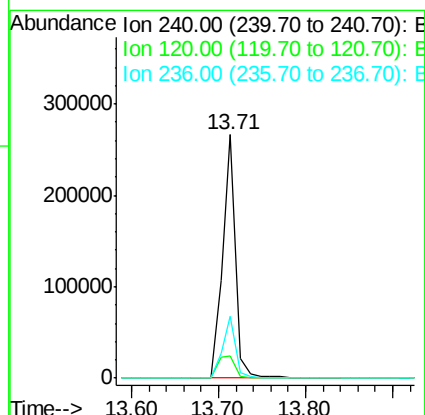
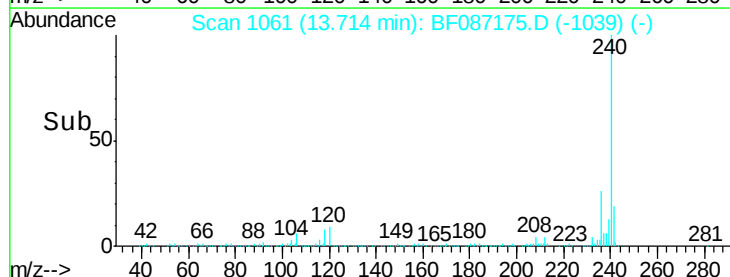
236 25.6 21.2 31.8

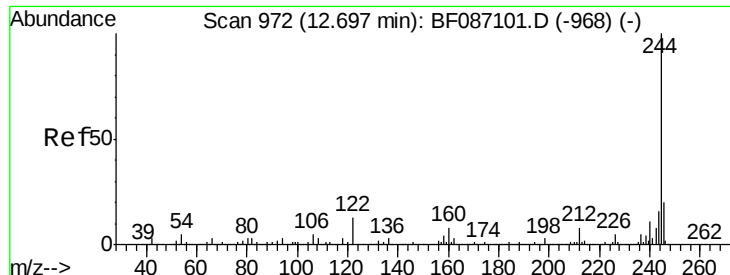


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

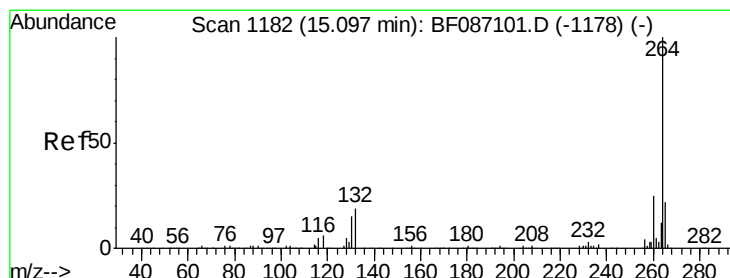
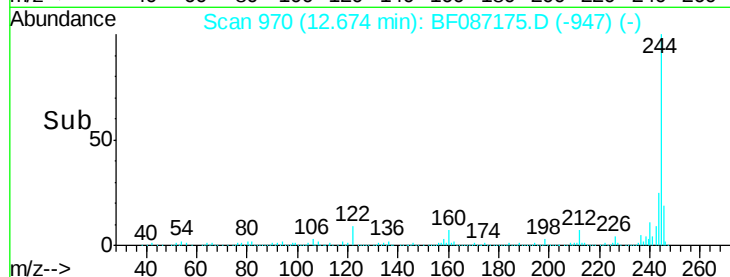
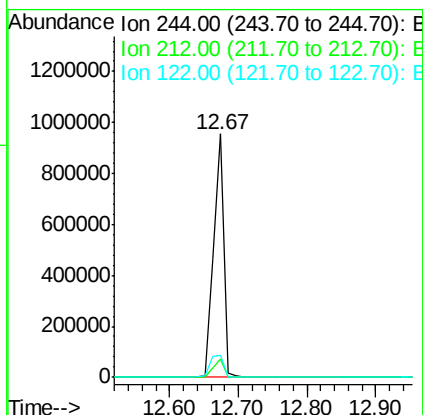
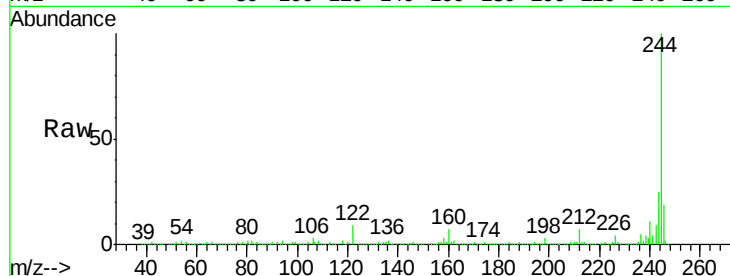




#78
 Terphenyl-d14
 Concen: 80.99 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.03 min
 Lab File: BF087175.D
 Acq: 19 May 2016 7:14

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-201

Tgt Ion:244 Resp: 1006984
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.0 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: BF087175.D
 Acq: 19 May 2016 7:14

Tgt Ion:264 Resp: 291160
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 21.1 17.3 25.9

