

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087176.D
 Acq On : 19 May 2016 7:43
 Operator : UM/SJ
 Sample : H3120-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-101

Quant Time: May 19 12:42:27 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

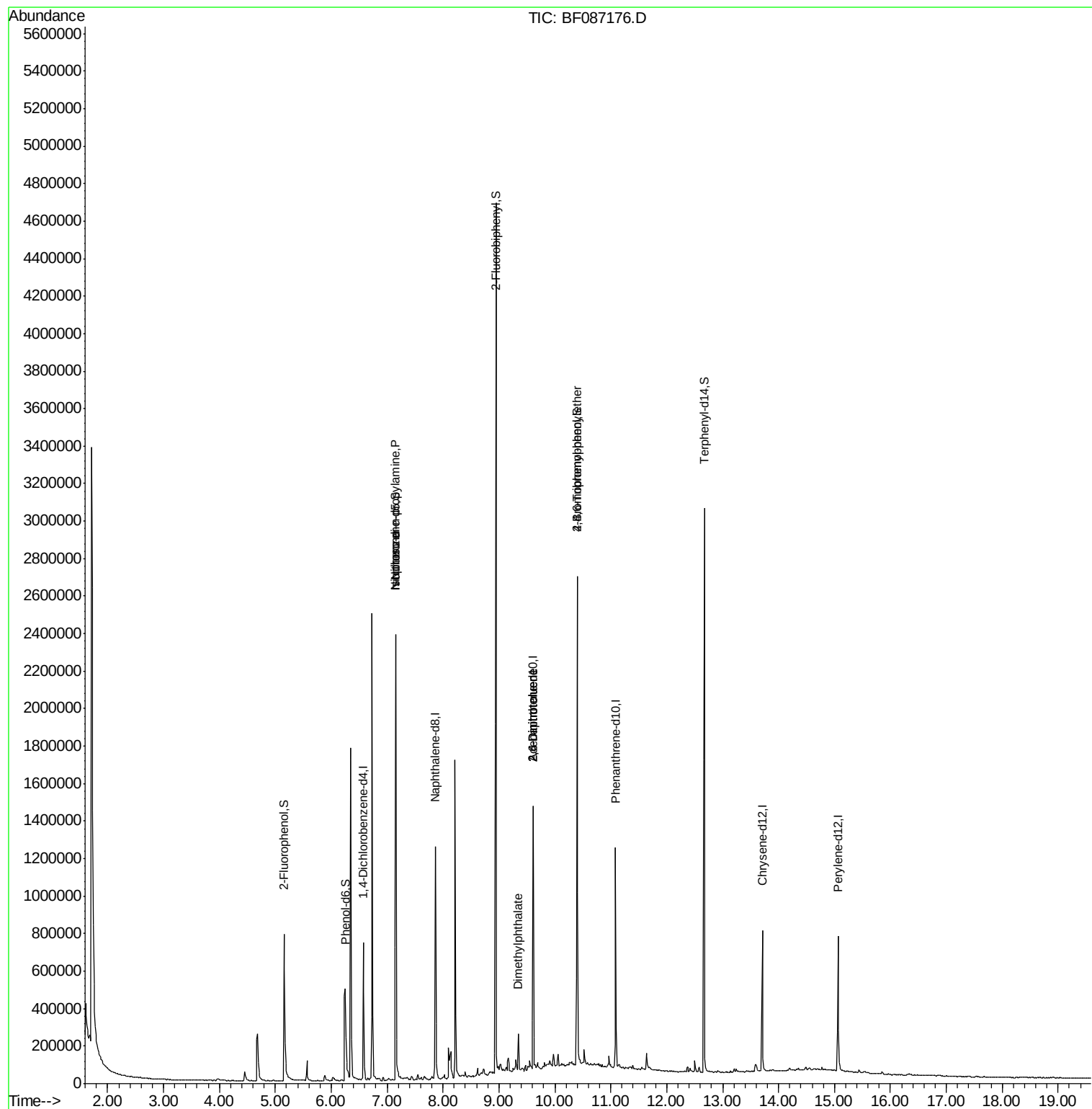
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	128534	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	514297	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	250961	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	390417	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	293428	20.00	ng	-0.05
86) Perylene-d12	15.06	264	288501	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	320776	41.95	ng	-0.05
7) Phenol-d6	6.25	99	315530	30.76	ng	-0.03
23) Nitrobenzene-d5	7.15	82	754817	73.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	346506	124.95	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1451171	95.77	ng	-0.03
78) Terphenyl-d14	12.67	244	1048889	80.86	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.17	77	722	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.15	70	106189	13.62	ng	# 75
25) Isophorone	7.15	82	594064	31.45	ng	# 68
49) Dimethylphthalate	9.35	163	68284	3.57	ng	100
50) 2,6-Dinitrotoluene	9.61	165	32490	7.82	ng	# 22
55) 4-Nitrophenol	9.75	139	133	Below Cal	#	1
56) 2,4-Dinitrotoluene	9.61	165	32700	6.14	ng	# 17
66) 4-Bromophenyl-phenylether	10.40	248	20478	5.10	ng	# 1

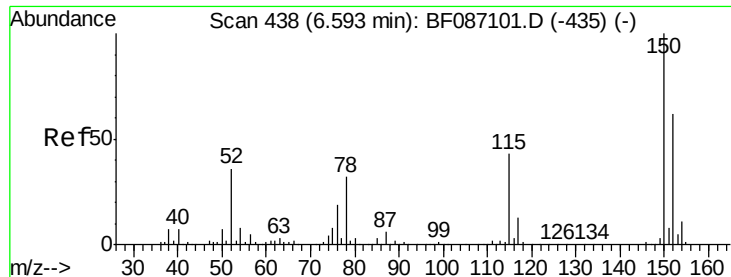
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

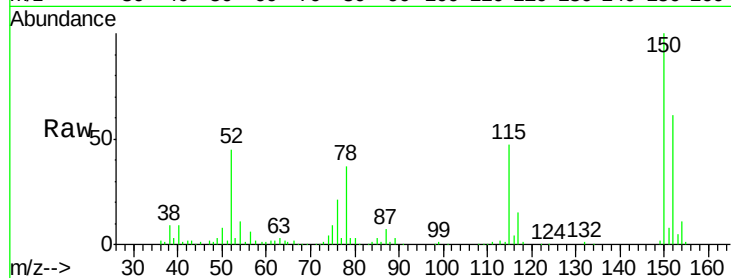
Tot Ion:152 Resp: 128534

Ion Ratio Lower Upper

152 100

150 164.1 125.8 188.6

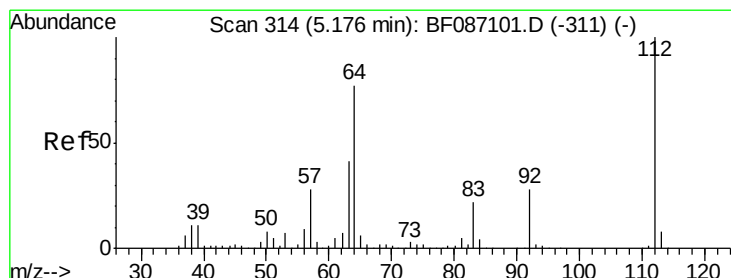
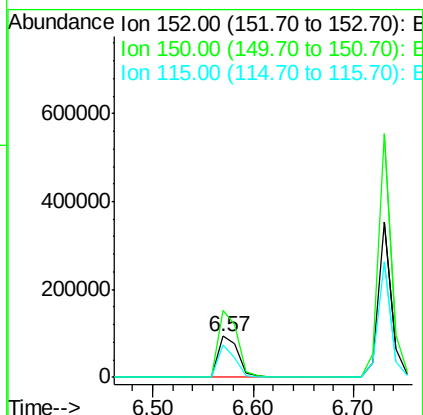
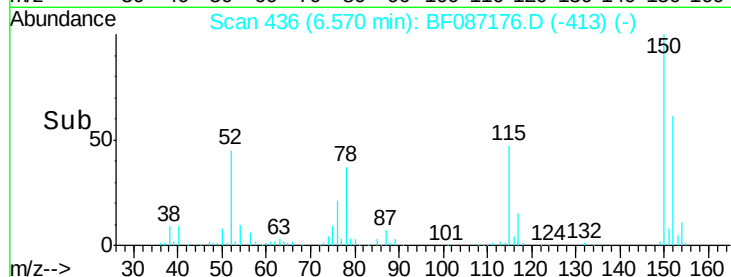
115 77.2 51.5 77.3



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: 41.95 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

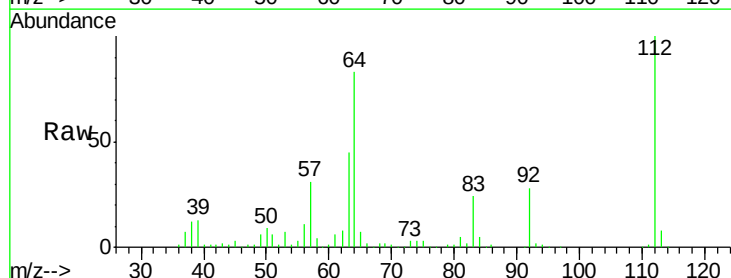
Tgt Ion:112 Resp: 320776

Ion Ratio Lower Upper

112 100

64 83.3 52.1 78.1#

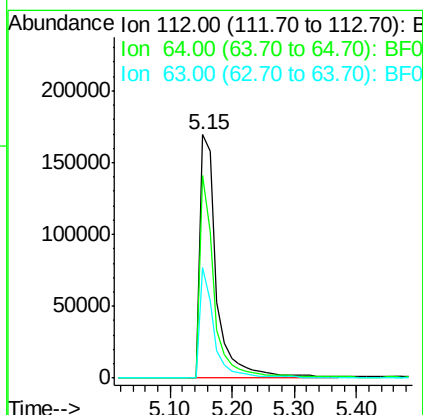
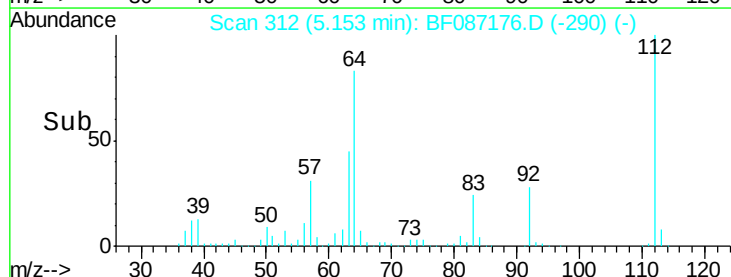
63 45.2 25.7 38.5#

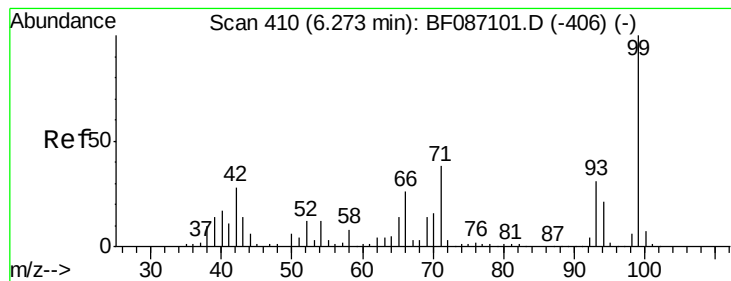


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.76 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

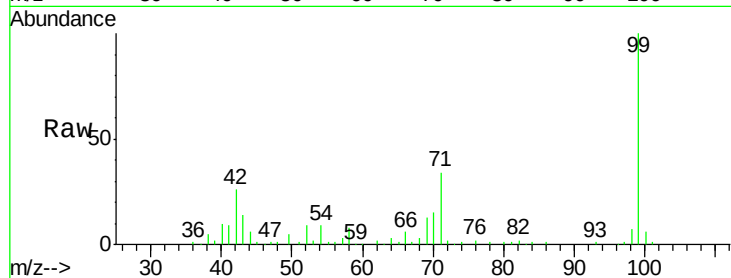
Tot Ion: 99 Resp: 31530

Ion Ratio Lower Upper

99 100

42 25.8 13.6 20.4#

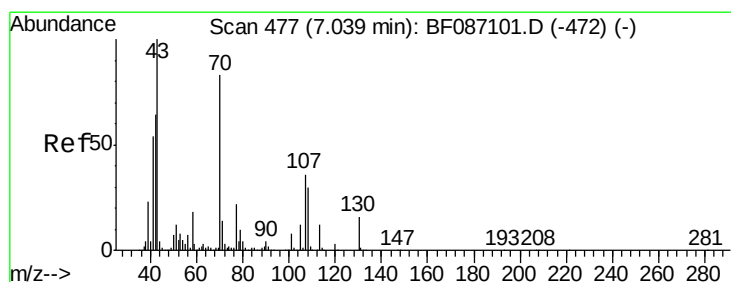
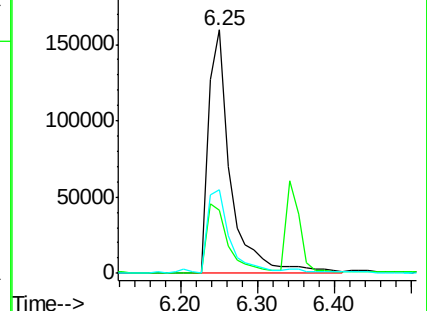
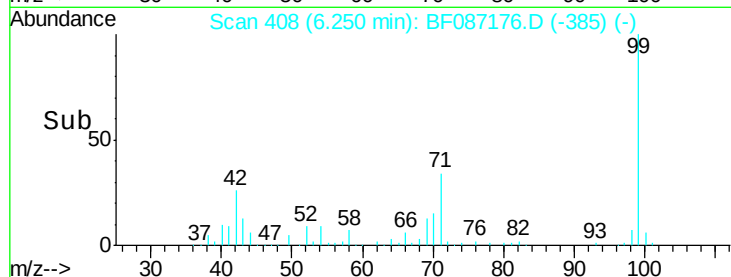
71 34.4 24.6 36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.62 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Tgt Ion: 70 Resp: 106189

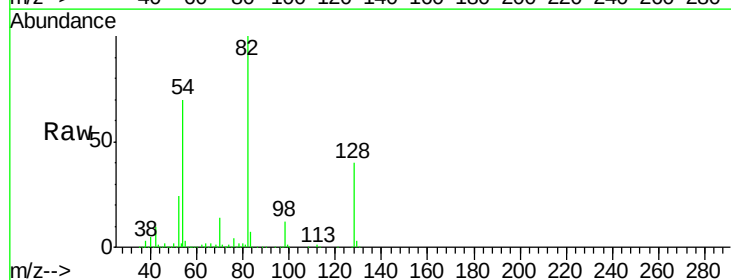
Ion Ratio Lower Upper

70 100

42 65.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

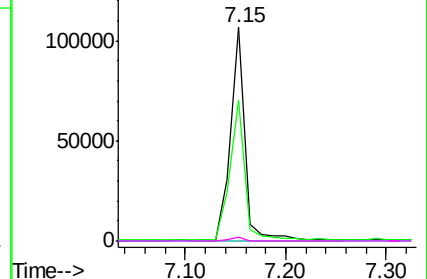
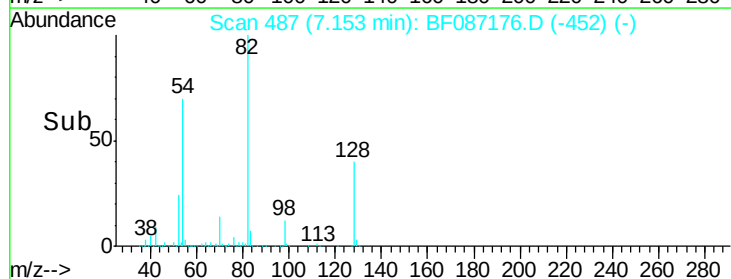


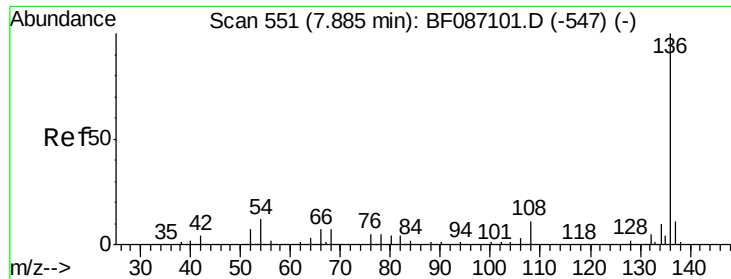
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

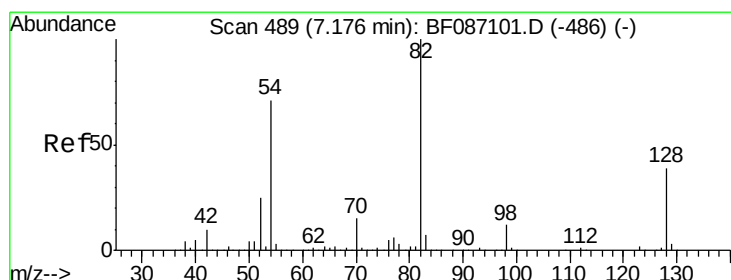
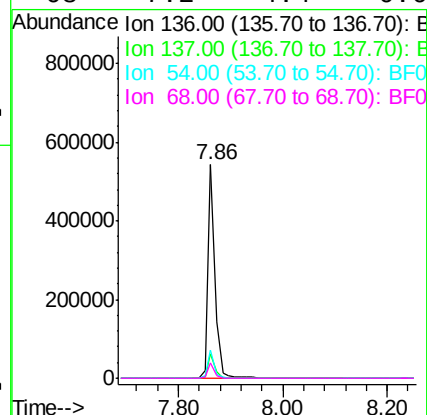
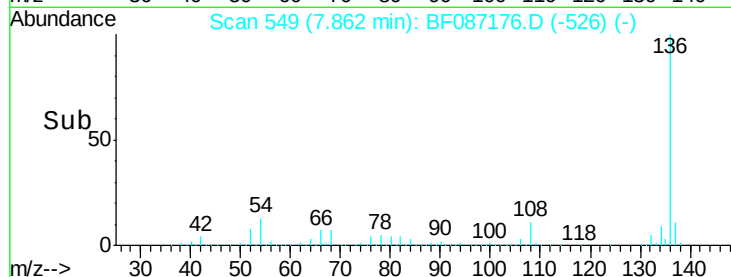
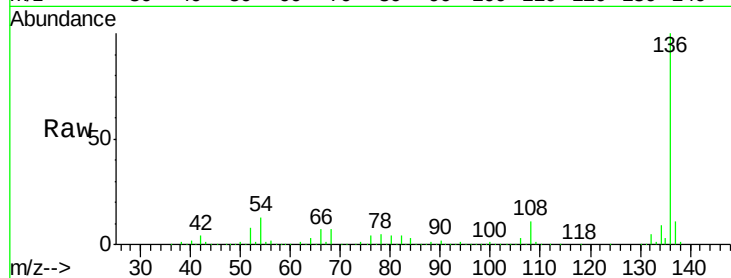




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087176.D
Acq: 19 May 2016 7:43

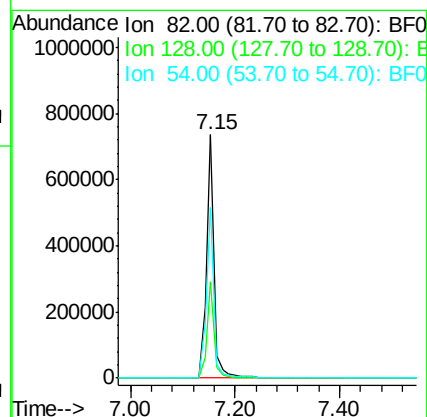
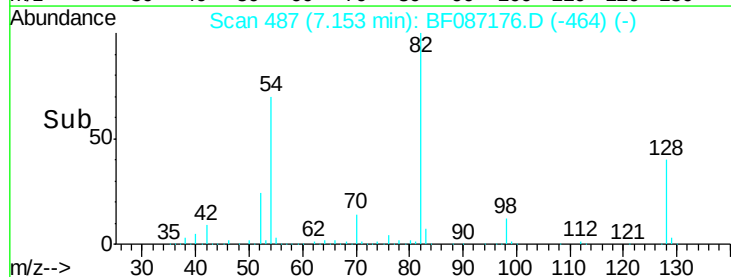
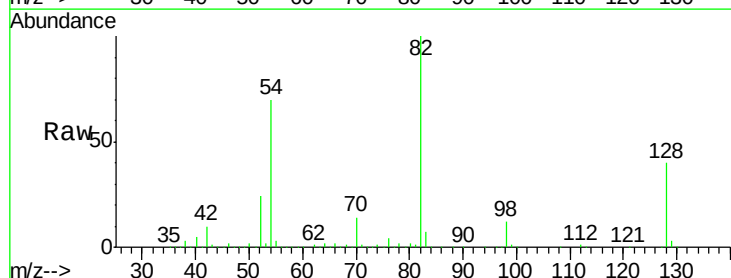
Instrument :
BNA_F
ClientSampleId :
RAV-GT-101

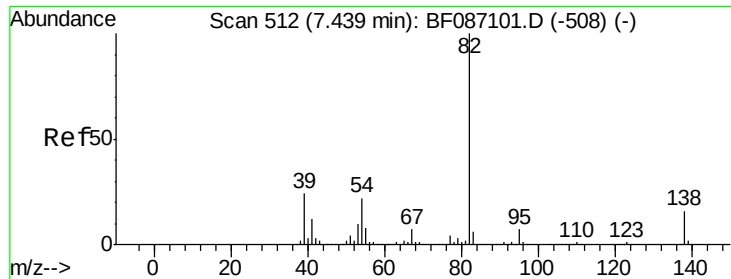
Tot Ion:136	Resp:	514297
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	13.4	5.0 7.4#
68	7.2	4.4 6.6#



#23
Nitrobenzene-d5
Concen: 73.15 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087176.D
Acq: 19 May 2016 7:43

Tgt Ion: 82	Resp:	754817
Ion Ratio	Lower	Upper
82	100	
128	39.9	40.6 61.0#
54	70.2	38.1 57.1#





#25

Isophorone

Concen: 31.45 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

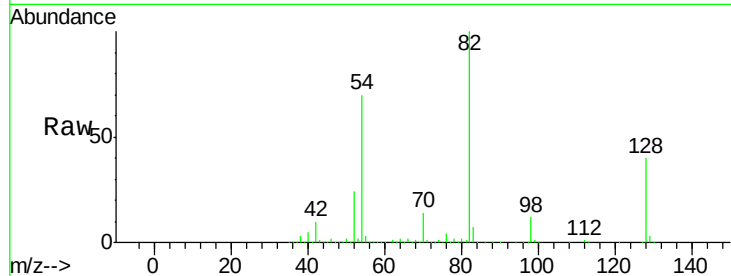
Tot Ion: 82 Resp: 594064

Ion Ratio Lower Upper

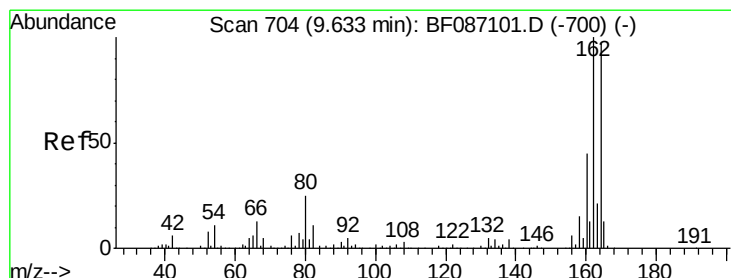
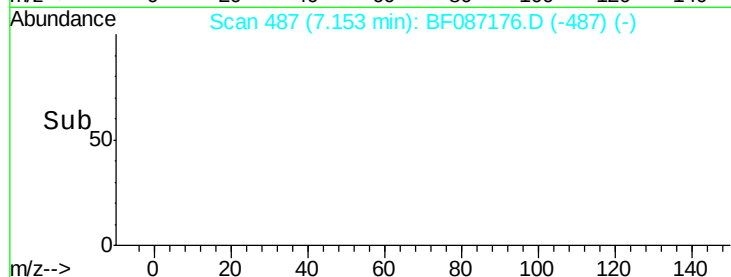
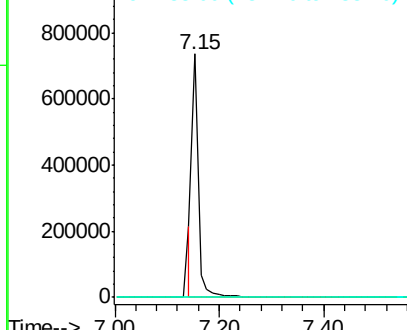
82 100

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: BF087176.D

Acq: 19 May 2016 7:43

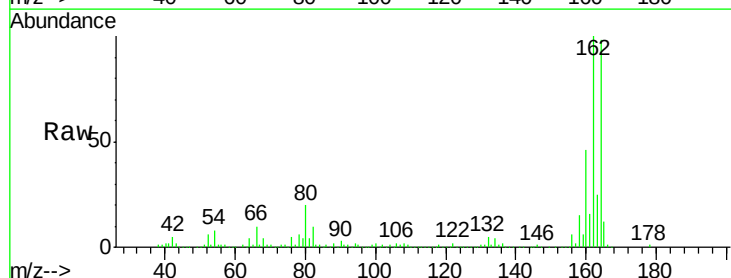
Tgt Ion:164 Resp: 250961

Ion Ratio Lower Upper

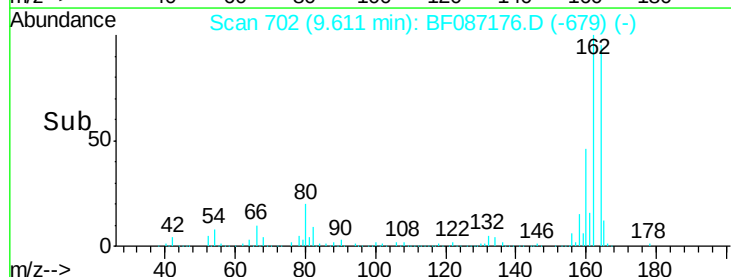
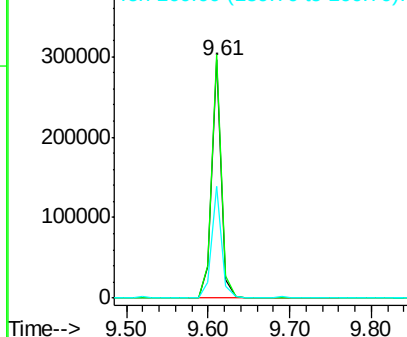
164 100

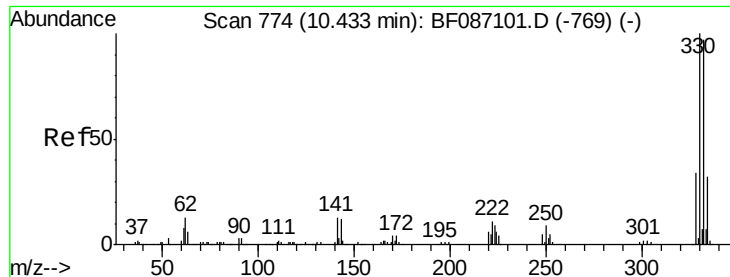
162 102.3 82.8 124.2

160 46.7 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

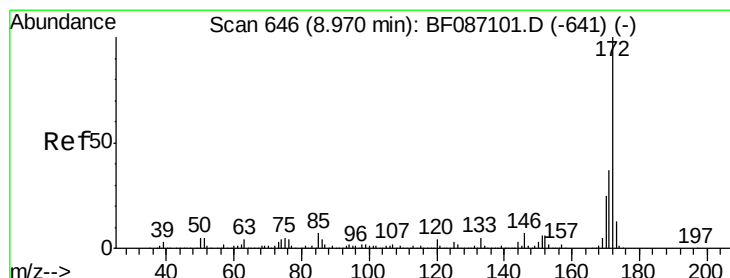
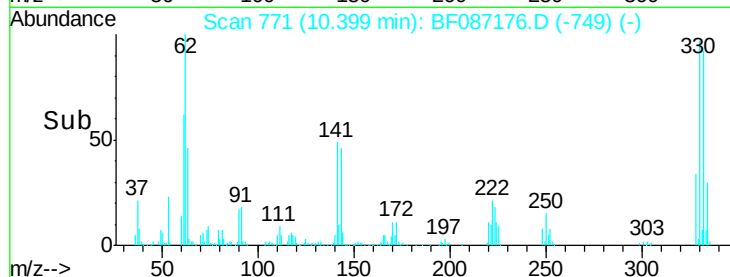
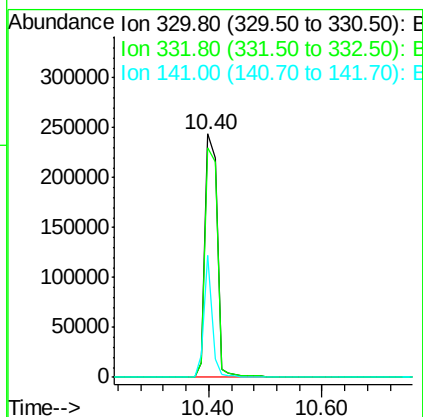
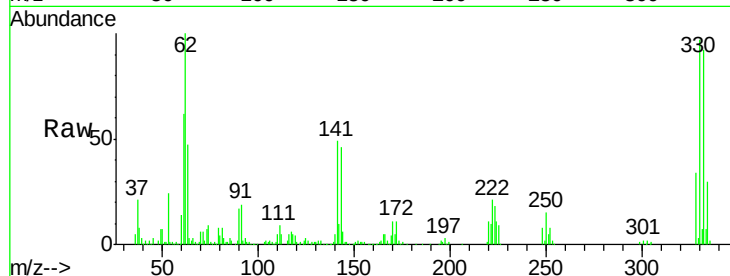




#41
 2,4,6-Tribromophenol
 Concen: 124.95 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087176.D
 Acq: 19 May 2016 7:43

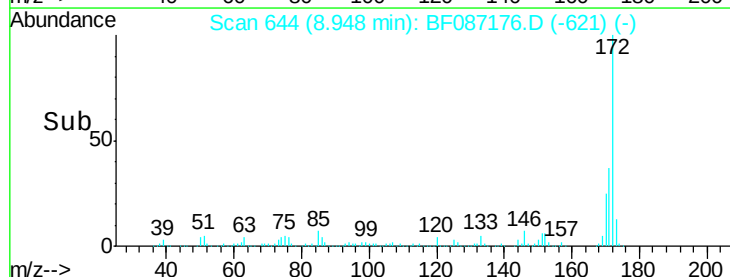
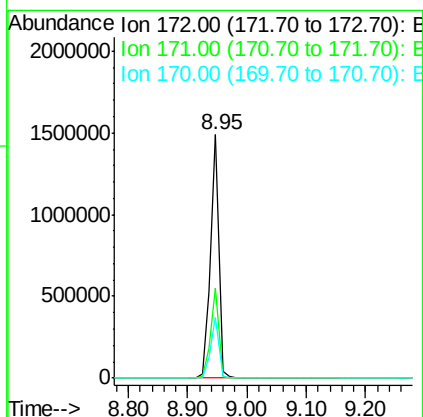
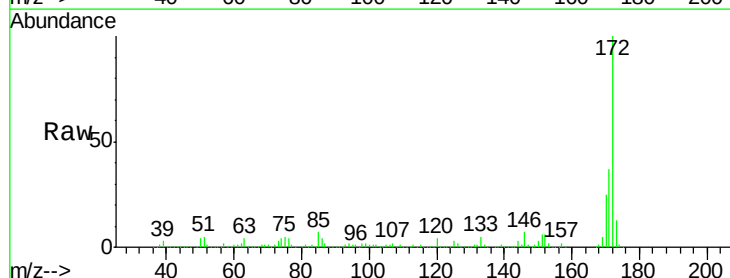
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-101

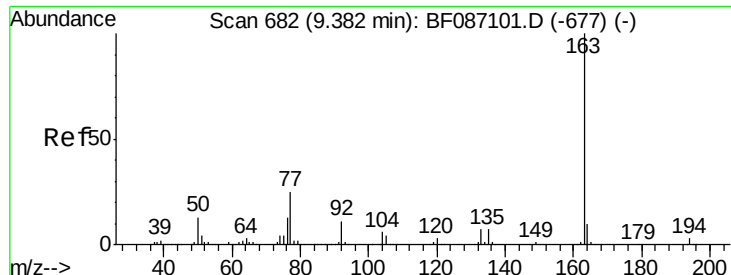
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.0	118.4
141	33.4	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 95.77 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087176.D
 Acq: 19 May 2016 7:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	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: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampled :

RAV-GT-101

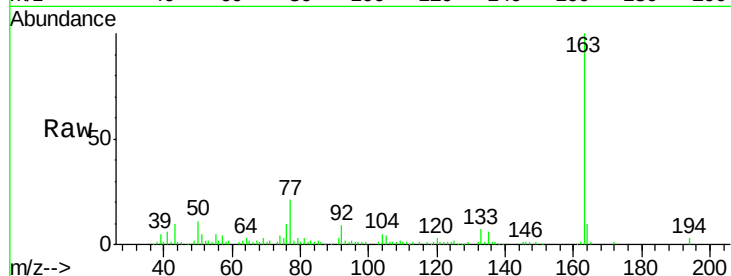
Tot Ion:163 Resp: 68284

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

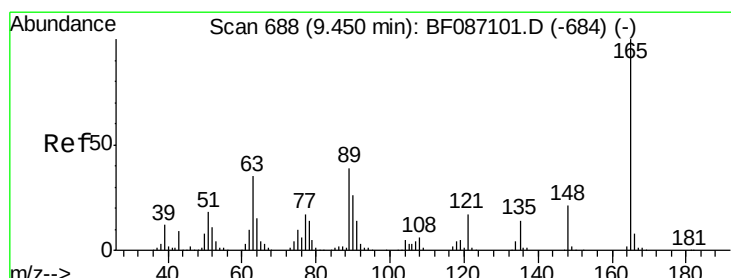
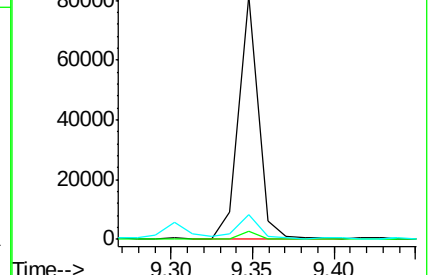
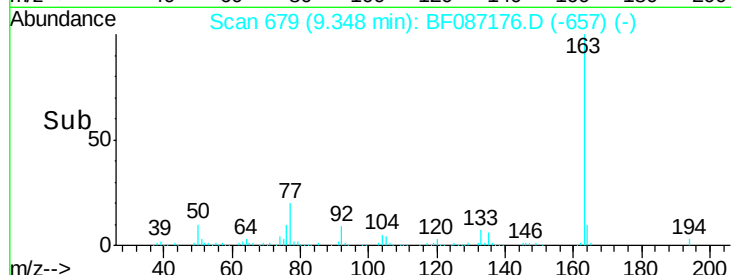
164 10.3 8.2 12.4



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: 7.82 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

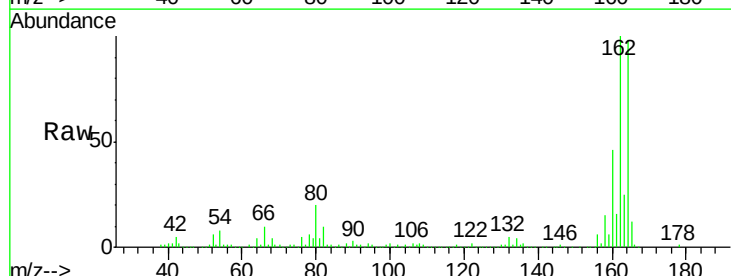
Tgt Ion:165 Resp: 32490

Ion Ratio Lower Upper

165 100

63 3.3 51.8 77.8#

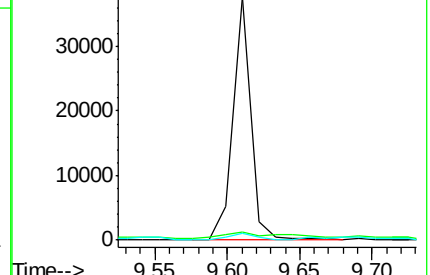
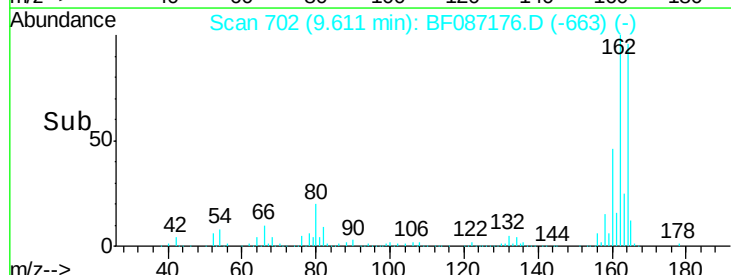
89 2.8 50.7 76.1#

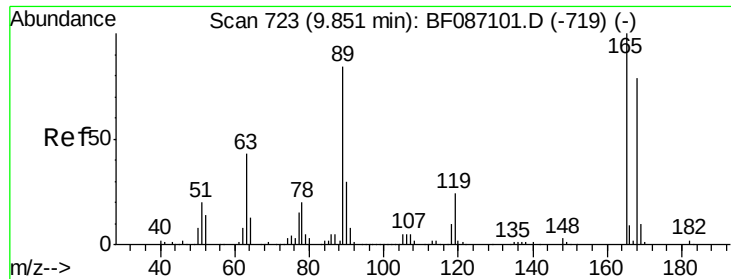


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.14 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.25 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

Tot Ion:165 Resp: 32700

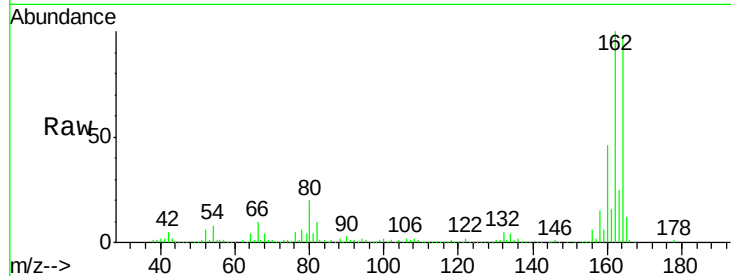
Ion Ratio Lower Upper

165 100

63 3.3 44.3 66.5#

89 2.8 70.0 105.0#

182 0.0 1.8 2.6#

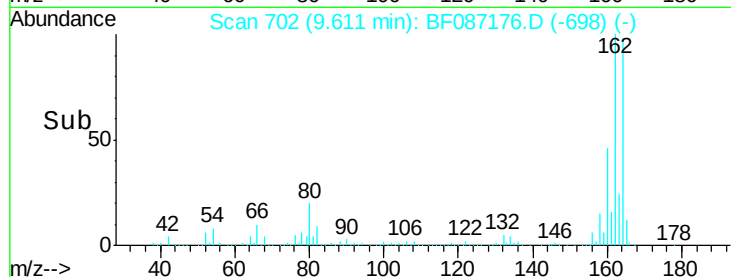


Abundance Ion 165.00 (164.70 to 165.70): E

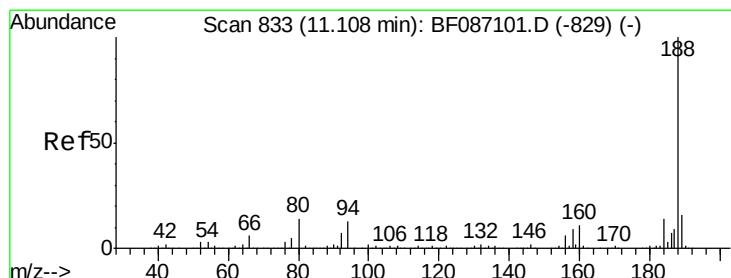
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

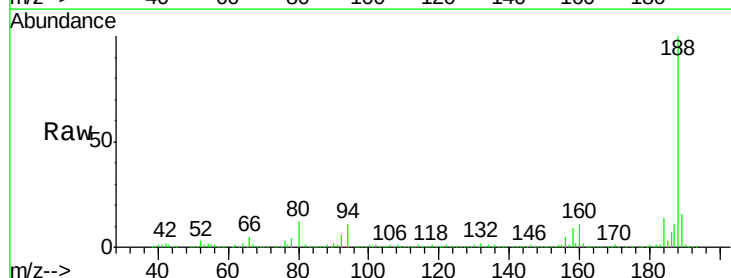
Tgt Ion:188 Resp: 390417

Ion Ratio Lower Upper

188 100

94 11.0 6.8 10.2#

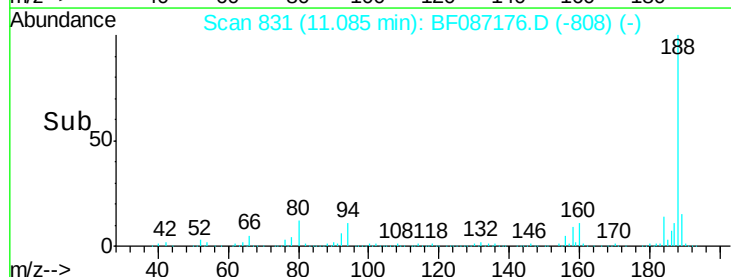
80 11.9 7.1 10.7#



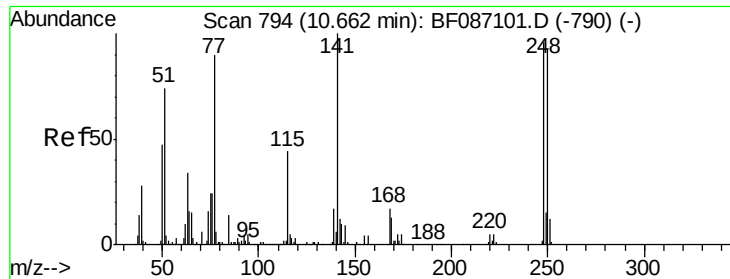
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.10 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

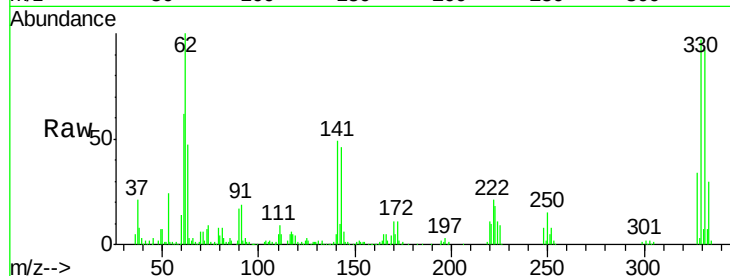
Tot Ion:248 Resp: 20478

Ion Ratio Lower Upper

248 100

250 194.2 78.6 117.8#

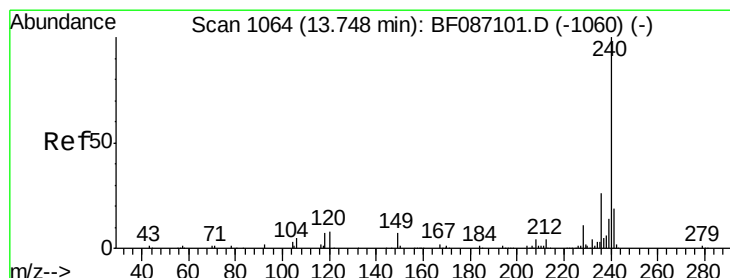
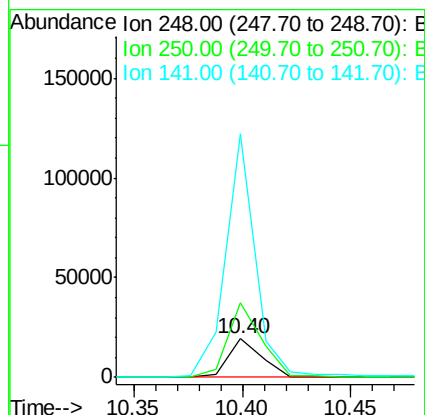
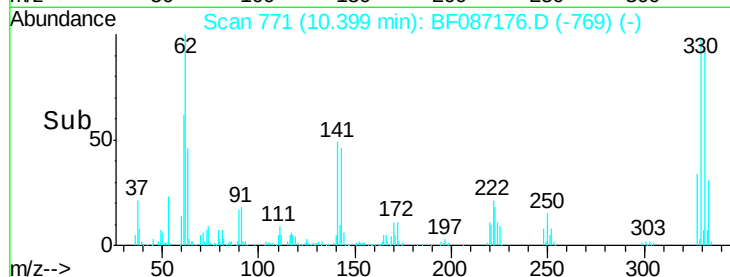
141 636.4 76.0 114.0#



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: BF087176.D

Acq: 19 May 2016 7:43

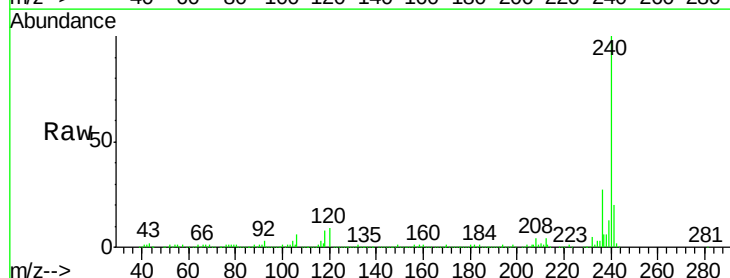
Tgt Ion:240 Resp: 293428

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

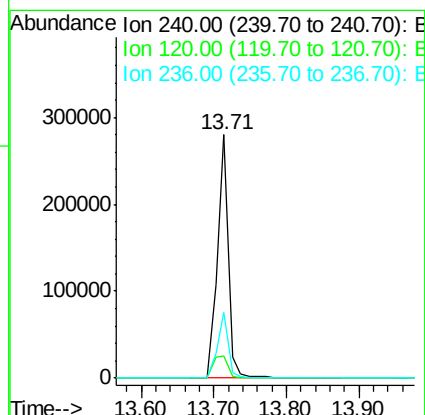
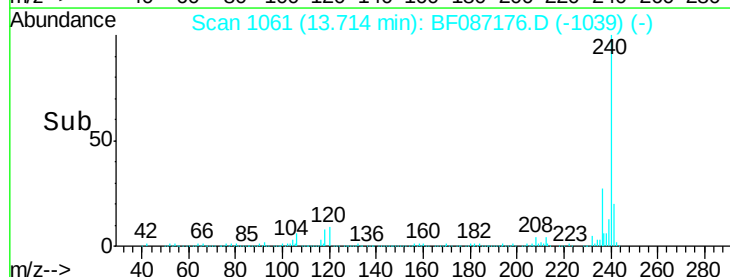
236 26.9 21.2 31.8

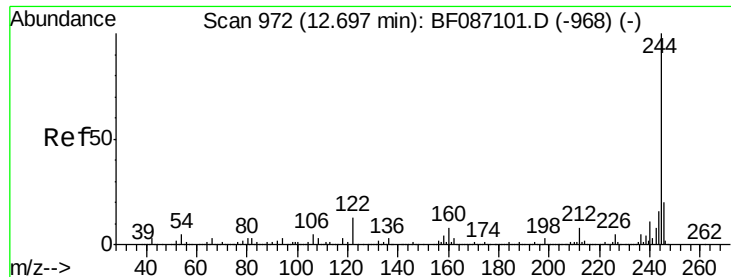


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.86 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

Instrument :

BNA_F

ClientSampleId :

RAV-GT-101

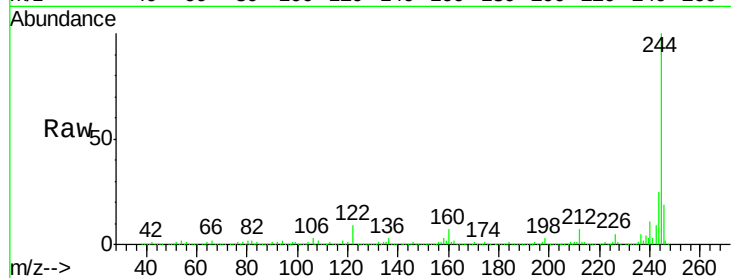
Tot Ion:244 Resp: 1048889

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

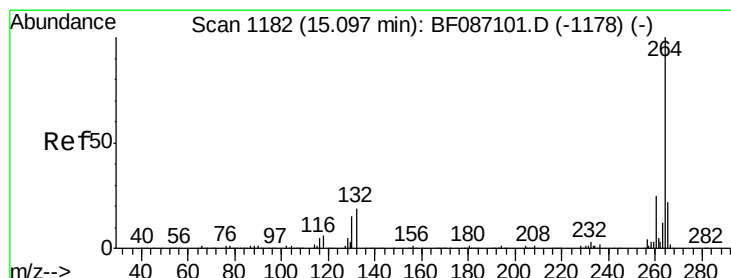
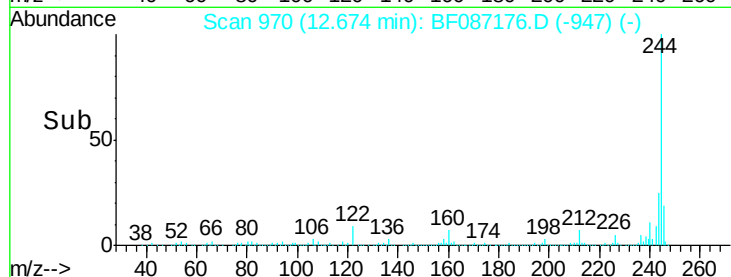
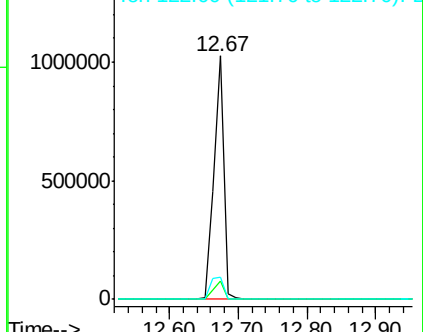
122 9.2 12.0 18.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF087176.D

Acq: 19 May 2016 7:43

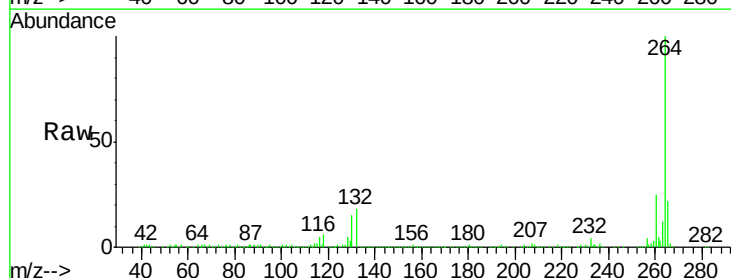
Tgt Ion:264 Resp: 288501

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.0 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

