

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087258.D
 Acq On : 21 May 2016 8:10
 Operator : UM/SJ
 Sample : H3167-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-MW-6

Quant Time: May 23 00:56:52 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

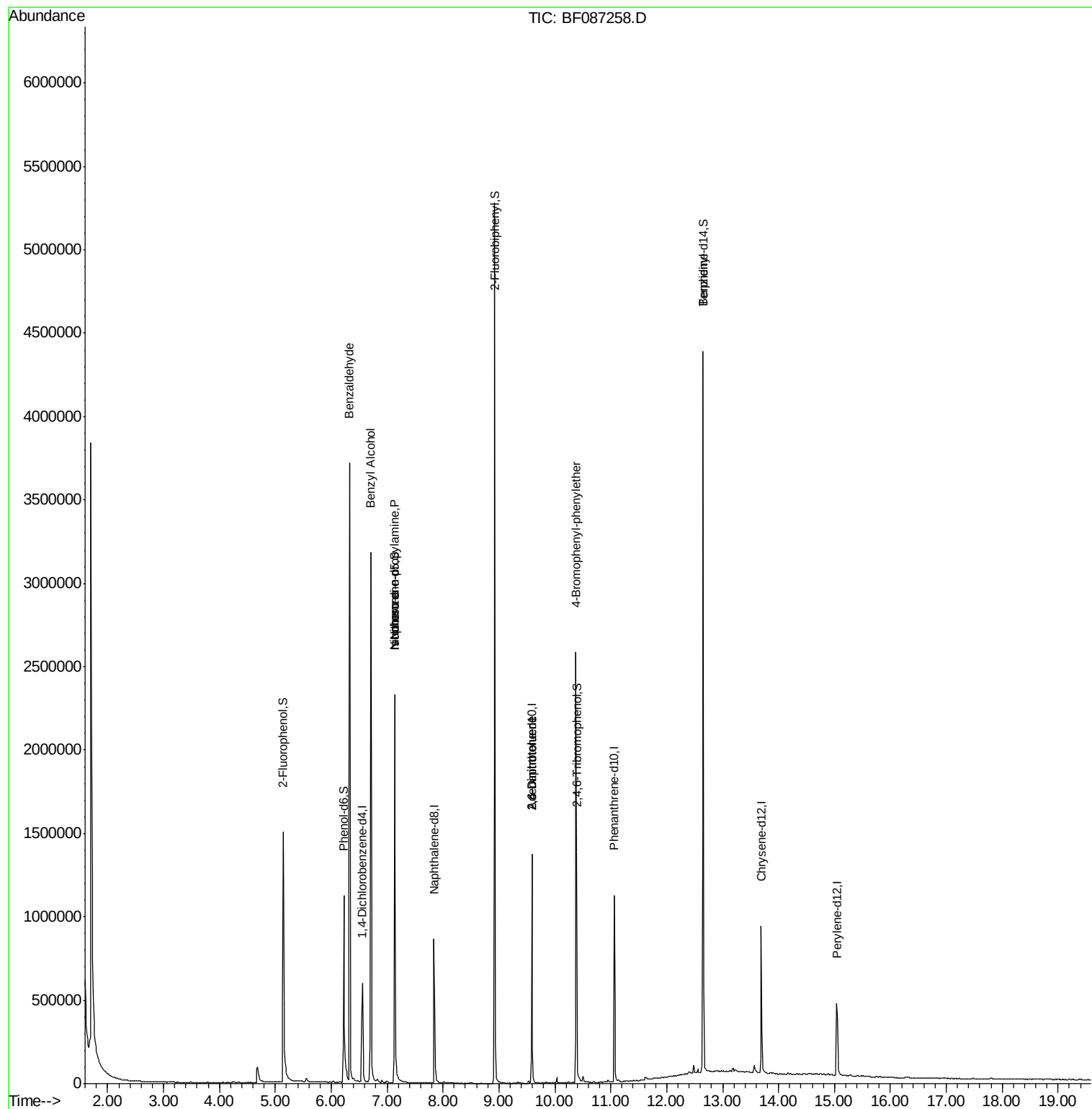
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	113153	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	494928	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	248721	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	437720	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	311845	20.00	ng	-0.07
86) Perylene-d12	15.04	264	227132	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	525113	78.00	ng	-0.06
7) Phenol-d6	6.23	99	435480	48.23	ng	-0.06
23) Nitrobenzene-d5	7.13	82	922780	92.92	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	367493	133.71	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1581299	105.29	ng	-0.06
78) Terphenyl-d14	12.65	244	1344767	97.55	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.33	77	27803	4.32	ng	# 76
15) Benzyl Alcohol	6.71	79	15977	2.38	ng	# 43
19) n-Nitroso-di-n-propylamine	7.13	70	128406	18.71	ng	# 70
25) Isophorone	7.13	82	888828	48.89	ng	# 68
50) 2,6-Dinitrotoluene	9.59	165	31453	7.63	ng	# 20
56) 2,4-Dinitrotoluene	9.59	165	31453	5.96	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	23152	5.14	ng	# 1
76) Benzydine	12.65	184	22031	2.83	ng	# 94

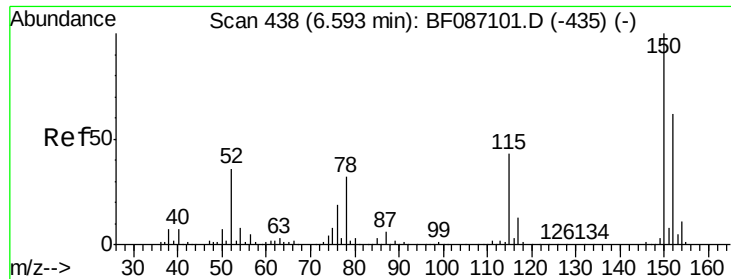
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

RAV-MW-6

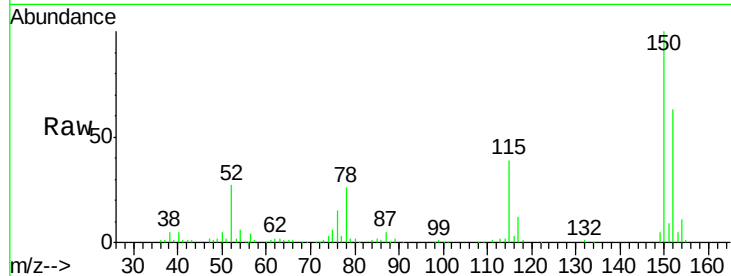
Tgt Ion:152 Resp: 113153

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

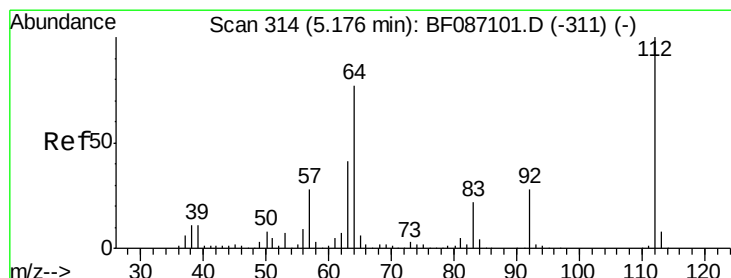
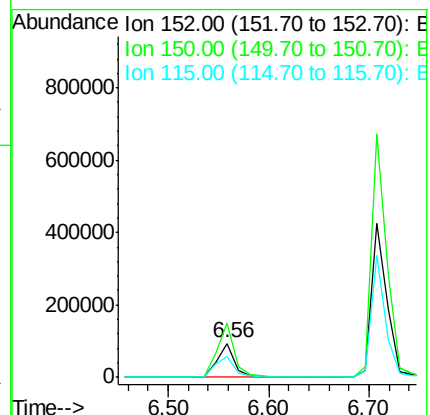
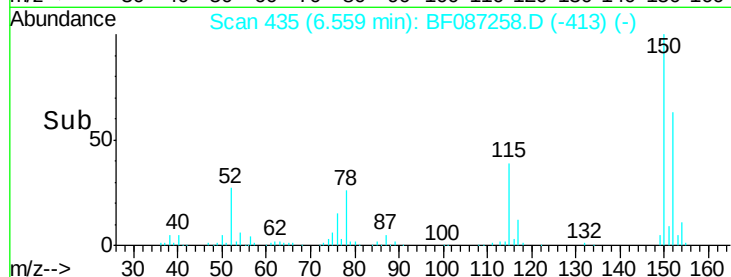
115 62.1 51.5 77.3



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: 78.00 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

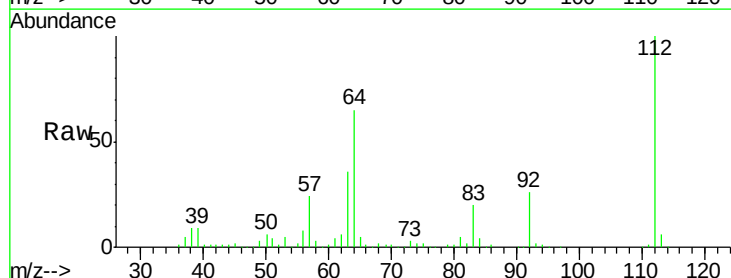
Tgt Ion:112 Resp: 525113

Ion Ratio Lower Upper

112 100

64 65.4 52.1 78.1

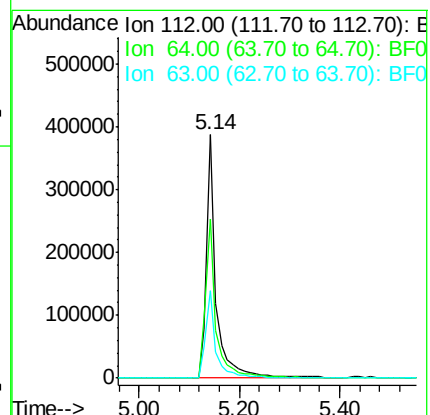
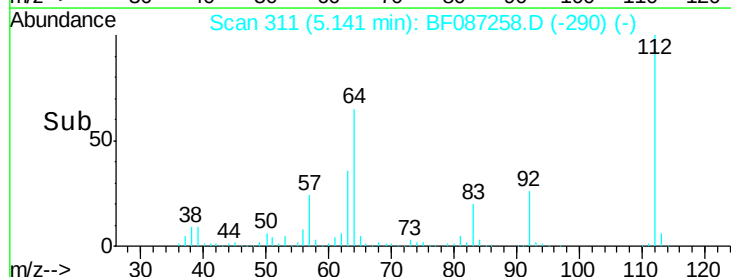
63 36.1 25.7 38.5

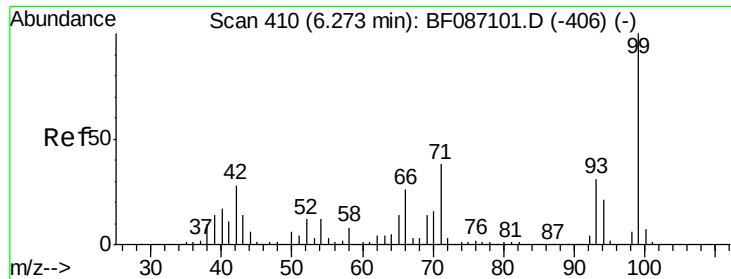


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.23 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

RAV-MW-6

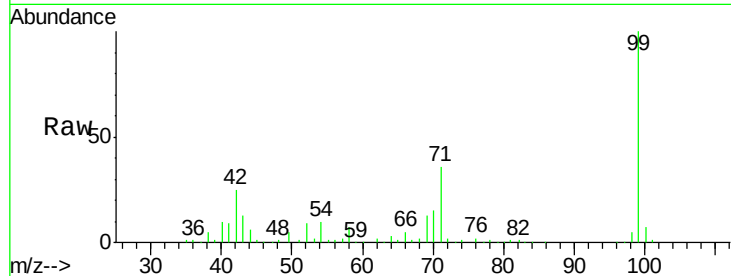
Tgt Ion: 99 Resp: 435480

Ion Ratio Lower Upper

99 100

42 25.2 13.6 20.4#

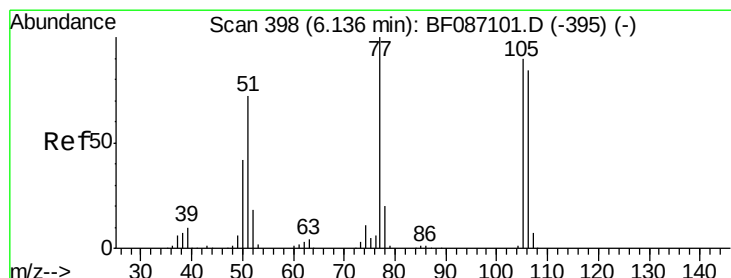
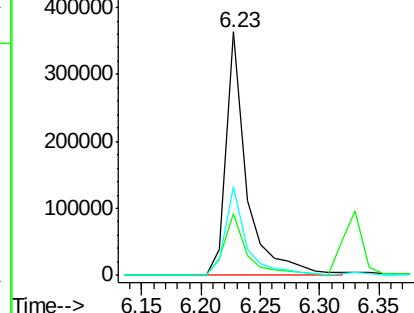
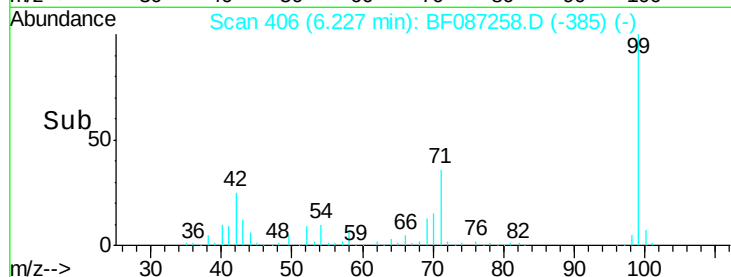
71 36.2 24.6 36.8



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: 4.32 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

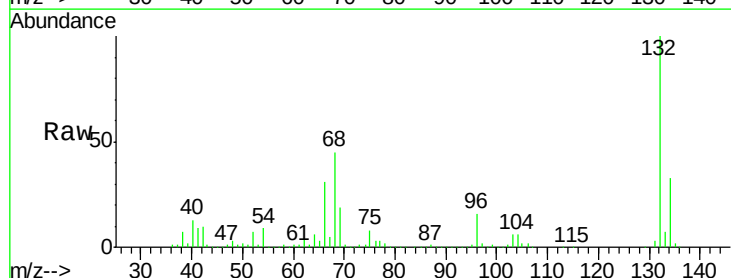
Tgt Ion: 77 Resp: 27803

Ion Ratio Lower Upper

77 100

105 73.5 72.7 112.7

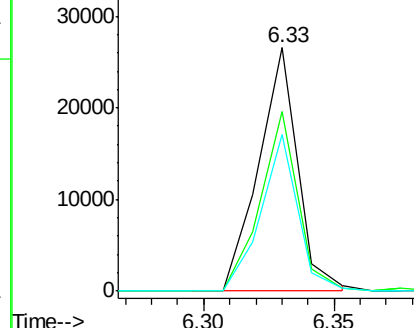
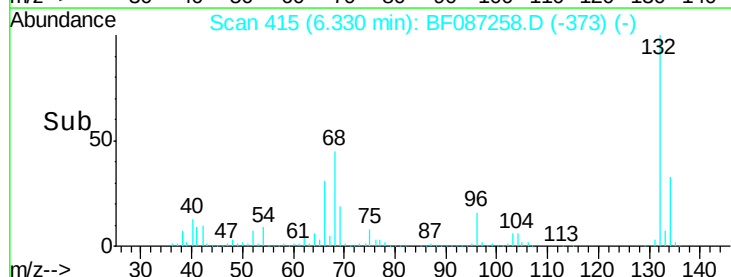
106 64.2 70.8 110.8#

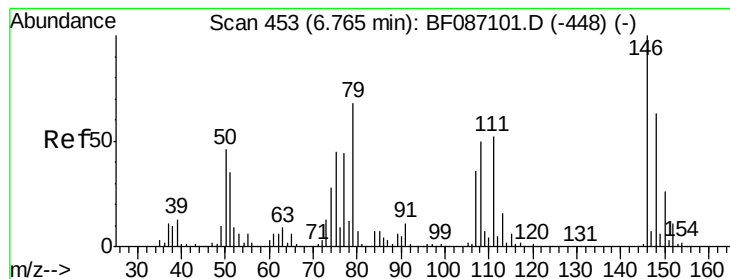


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

RAV-MW-6

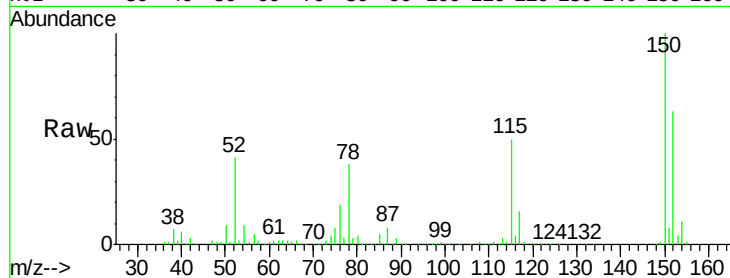
Tgt Ion: 79 Resp: 15977

Ion Ratio Lower Upper

79 100

108 30.6 68.4 102.6#

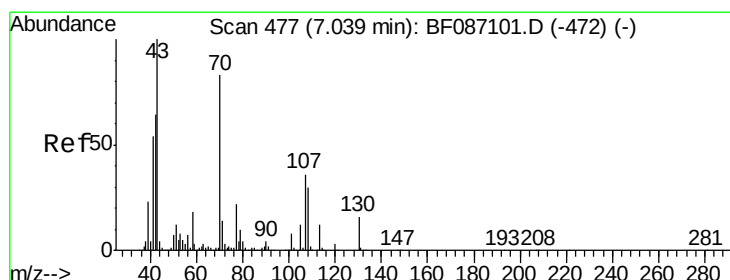
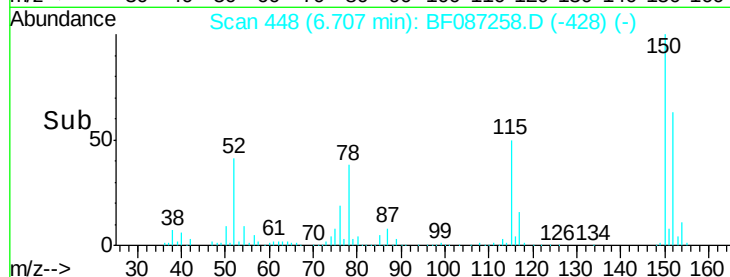
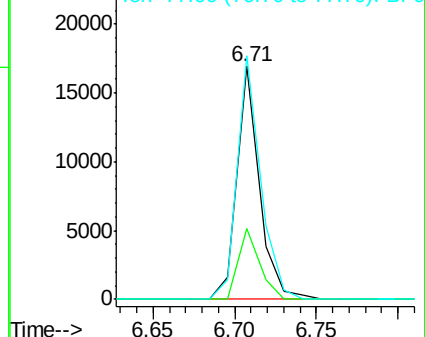
77 104.4 50.6 76.0#



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: 18.71 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Tgt Ion: 70 Resp: 128406

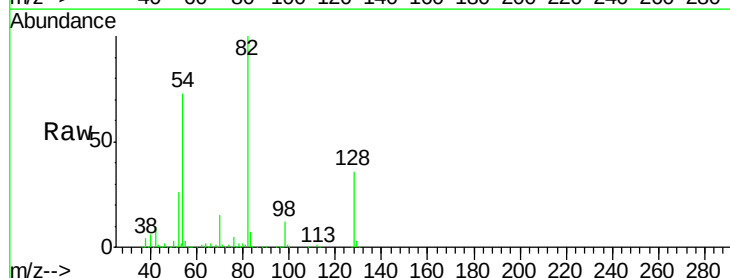
Ion Ratio Lower Upper

70 100

42 71.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

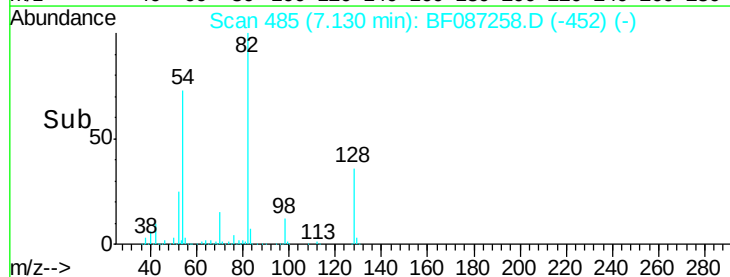
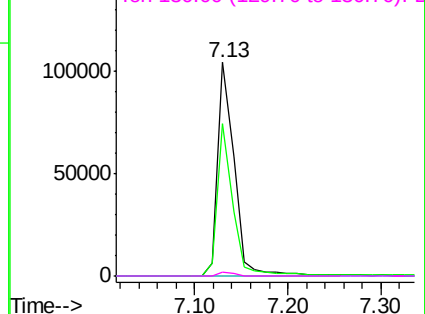


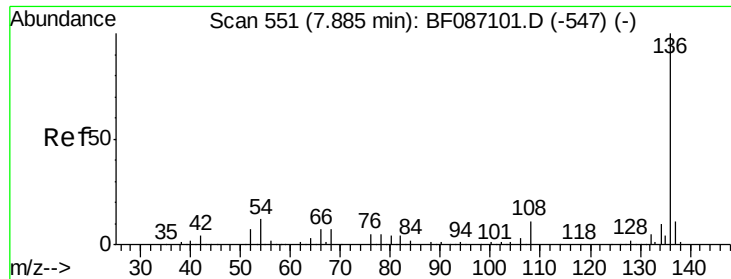
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

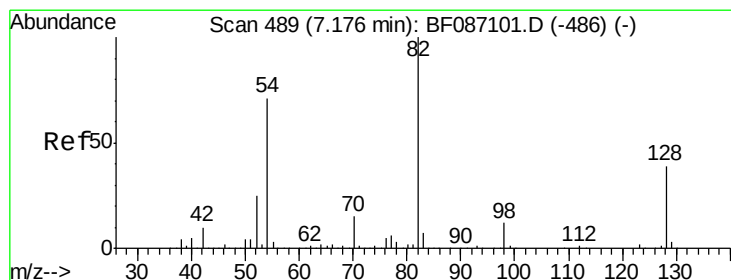
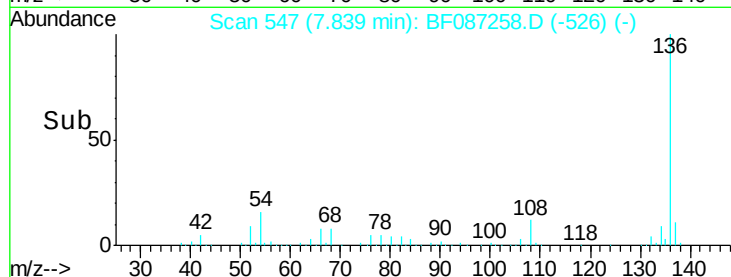
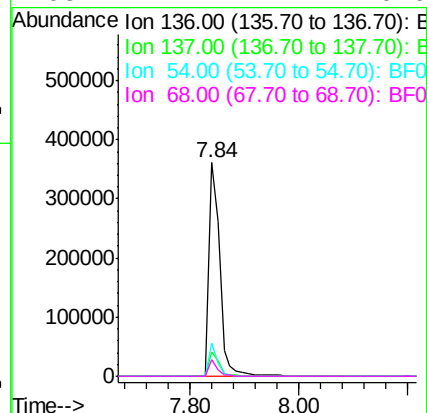
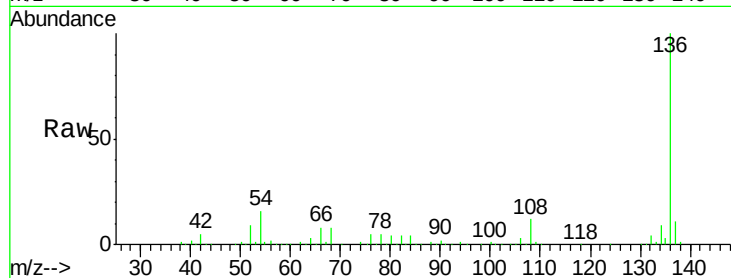




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087258.D
Acq: 21 May 2016 8:10

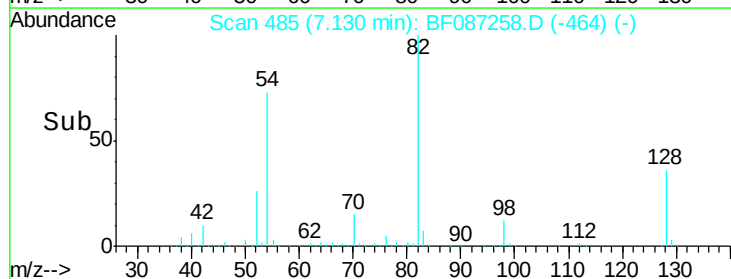
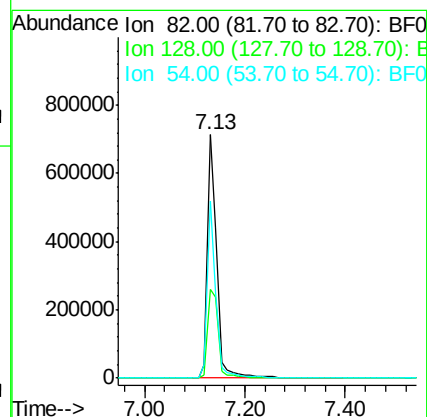
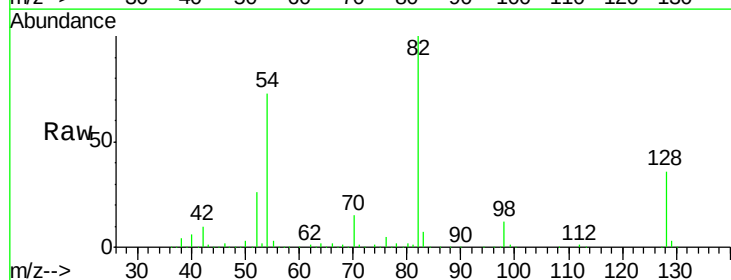
Instrument :
BNA_F
ClientSampleId :
RAV-MW-6

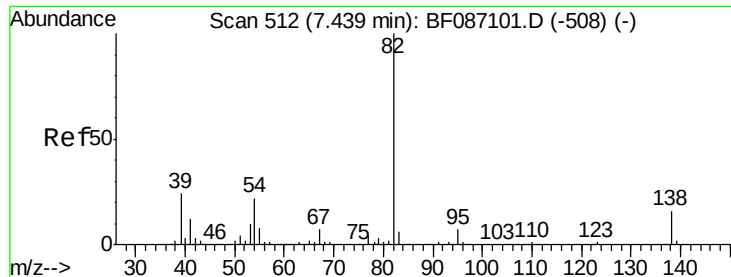
Tgt Ion:	136	Resp:	494928
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.5	5.0	7.4#
68	7.7	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 92.92 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087258.D
Acq: 21 May 2016 8:10

Tgt Ion:	82	Resp:	922780
Ion	Ratio	Lower	Upper
82	100		
128	36.5	40.6	61.0#
54	72.8	38.1	57.1#





#25

Isophorone

Concen: 48.89 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

RAV-MW-6

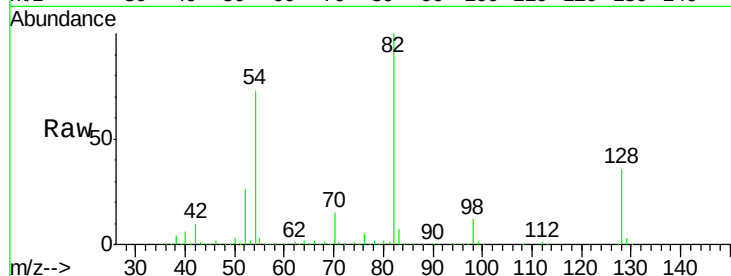
Tgt Ion: 82 Resp: 888828

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

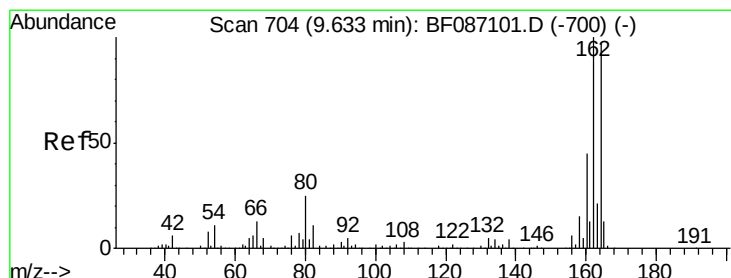
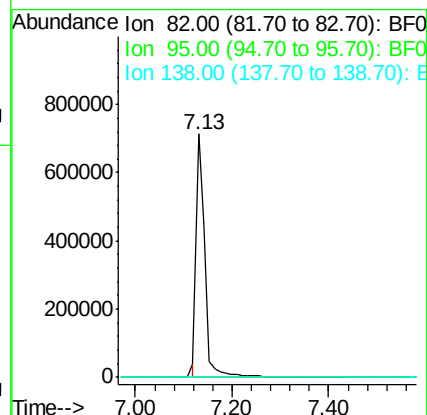
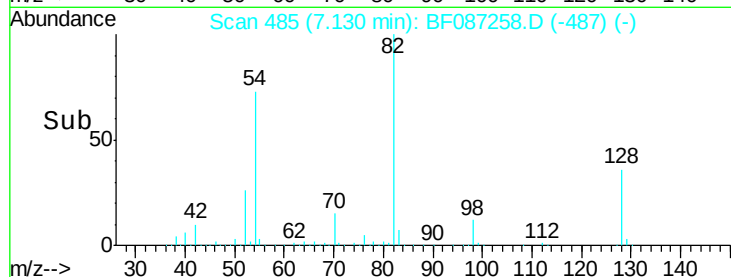


Abundance Ion 82.00 (81.70 to 82.70): BF087101.D (-508) (-)

Ion 95.00 (94.70 to 95.70): BF087101.D (-508) (-)

Ion 138.00 (137.70 to 138.70): BF087101.D (-508) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

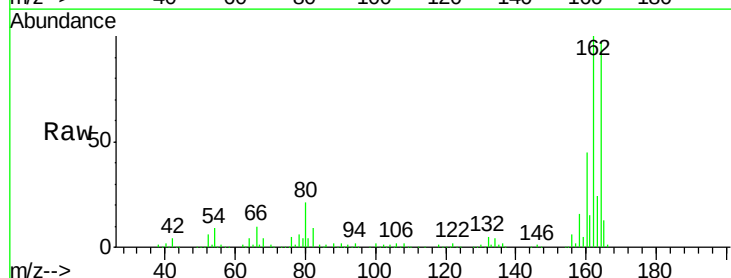
Tgt Ion: 164 Resp: 248721

Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

160 46.3 36.9 55.3

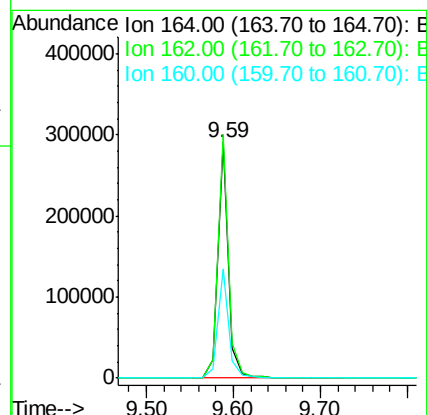
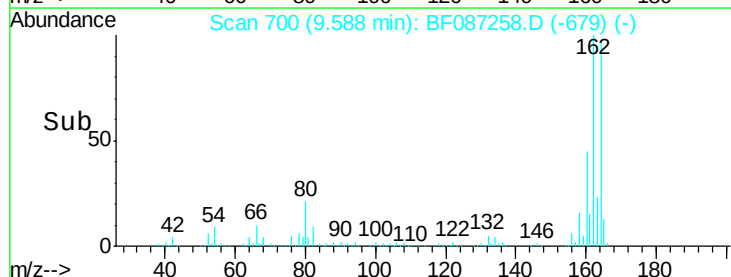


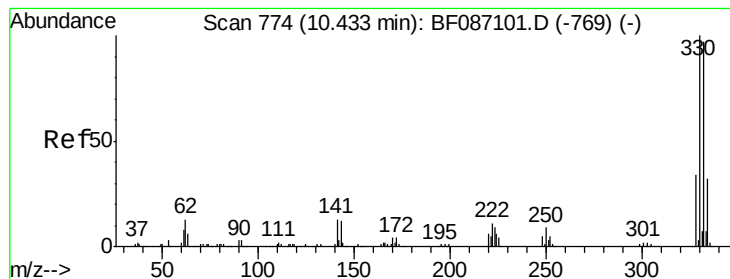
Abundance Ion 164.00 (163.70 to 164.70): BF087101.D (-700) (-)

Ion 162.00 (161.70 to 162.70): BF087101.D (-700) (-)

Ion 160.00 (159.70 to 160.70): BF087101.D (-700) (-)

Time-->

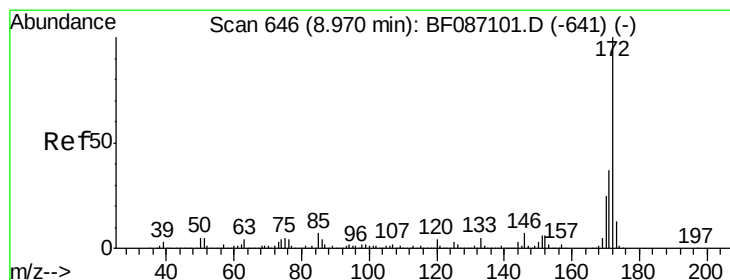
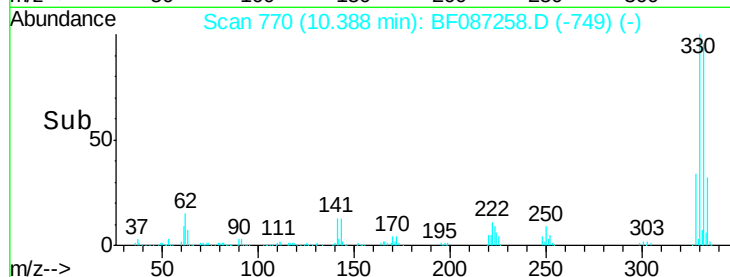
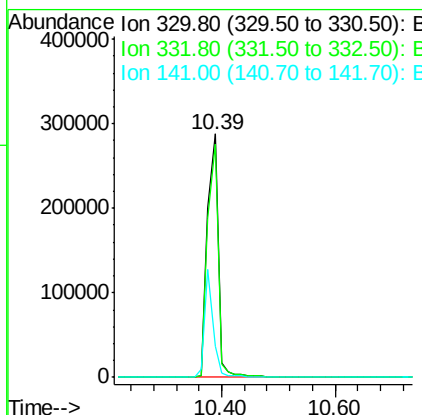
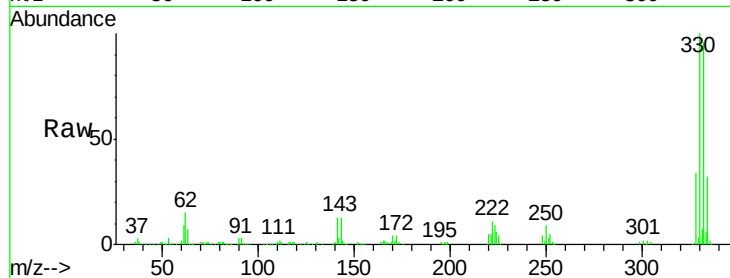




#41
 2,4,6-Tribromophenol
 Concen: 133.71 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

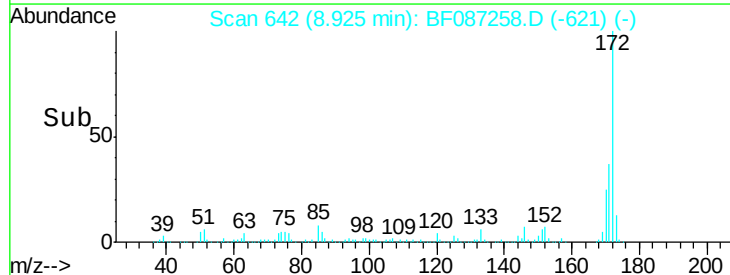
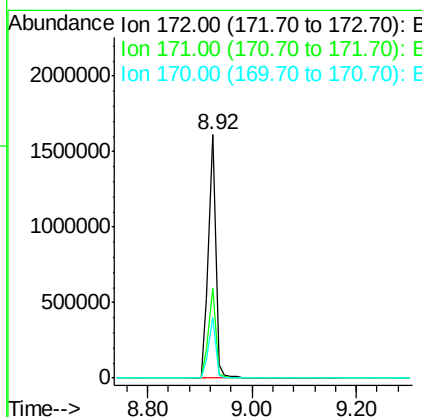
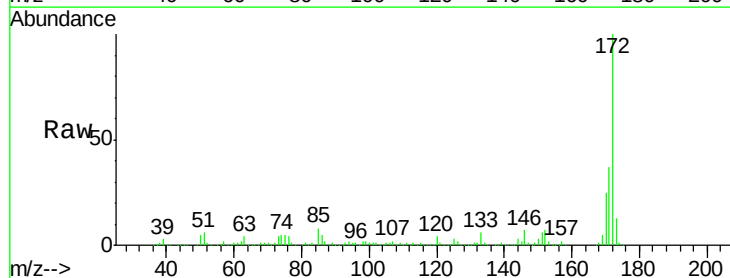
Instrument :
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 RAV-MW-6

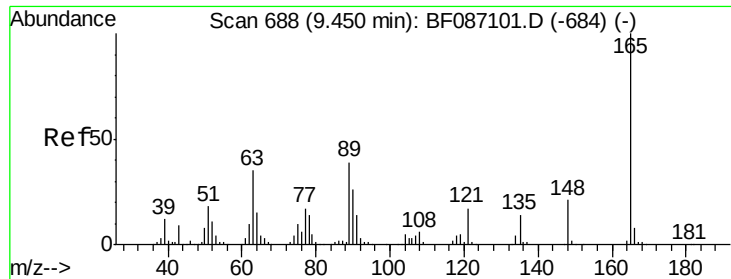
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	79.0	118.4
141	35.6	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 105.29 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.0	43.6
170	25.1	19.8	29.8

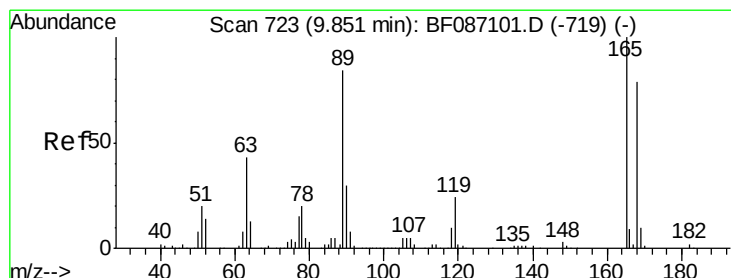
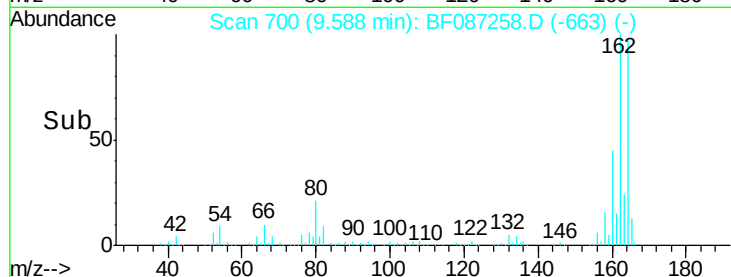
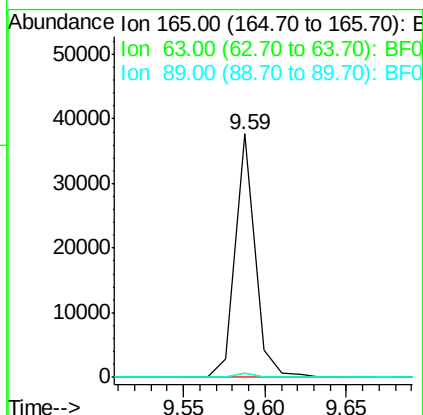
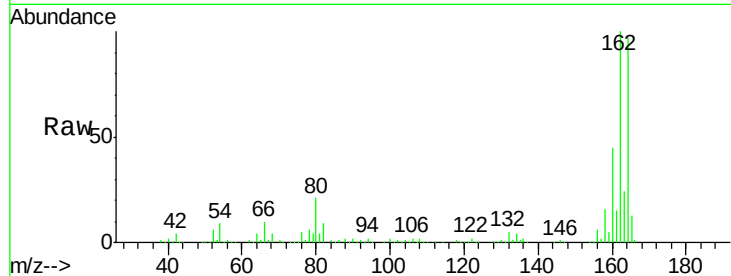




#50
 2,6-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.13 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

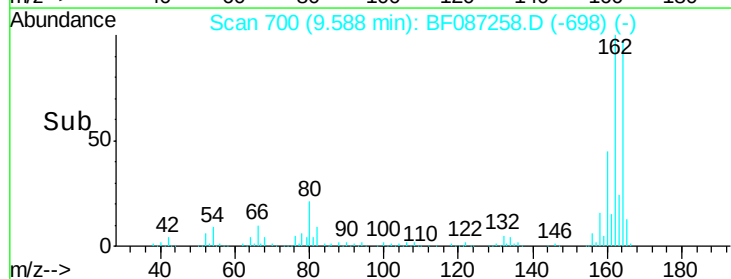
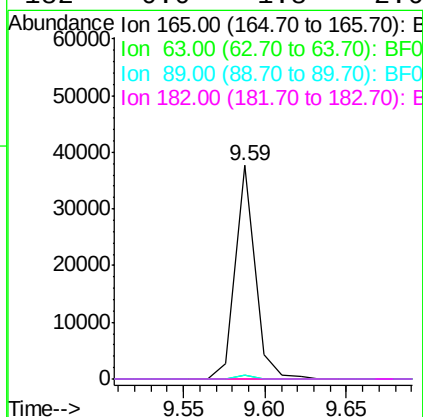
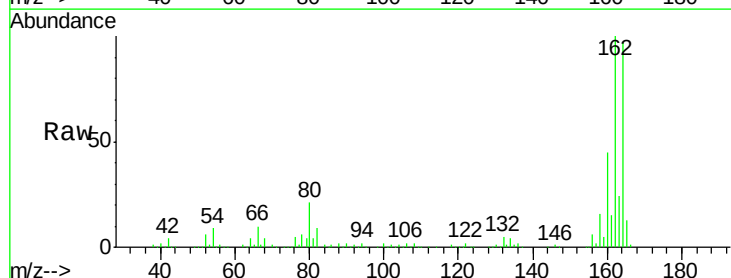
Instrument :
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 RAV-MW-6

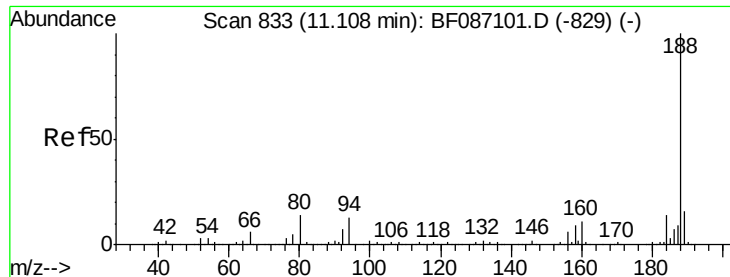
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	1.5	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 5.96 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	1.5	70.0	105.0#
182	0.0	1.8	2.6#

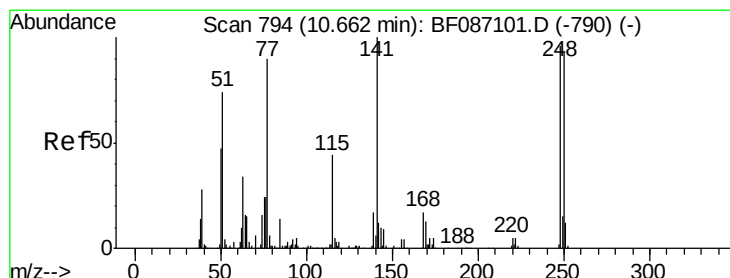
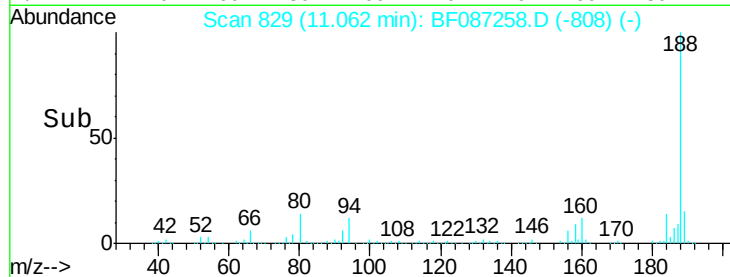
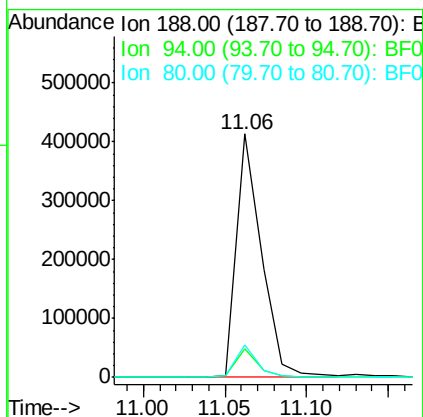
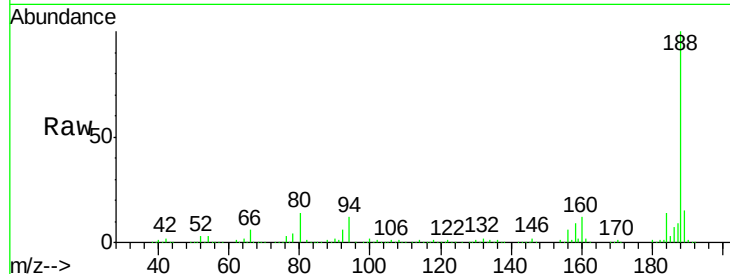




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

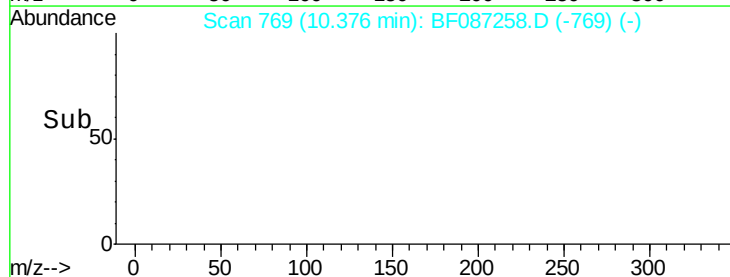
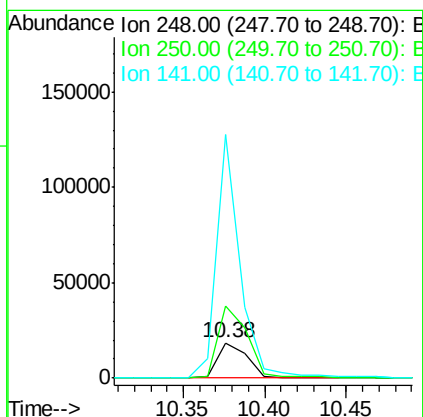
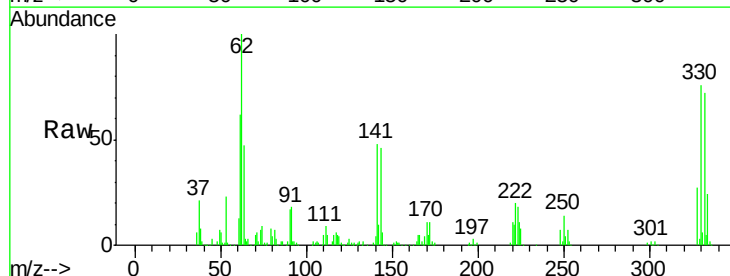
Instrument :
 BNA_F
 ClientSampleId :
 RAV-MW-6

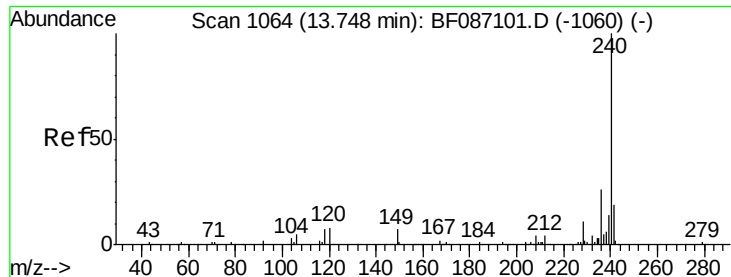
Tgt Ion:188 Resp: 437720
 Ion Ratio Lower Upper
 188 100
 94 11.9 6.8 10.2#
 80 13.5 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 5.14 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF087258.D
 Acq: 21 May 2016 8:10

Tgt Ion:248 Resp: 23152
 Ion Ratio Lower Upper
 248 100
 250 203.1 78.6 117.8#
 141 690.9 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

RAV-MW-6

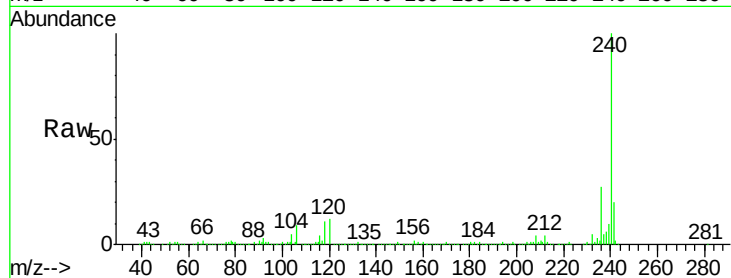
Tgt Ion:240 Resp: 311845

Ion Ratio Lower Upper

240 100

120 12.4 11.2 16.8

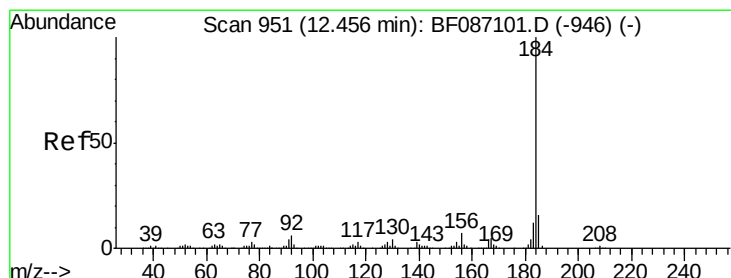
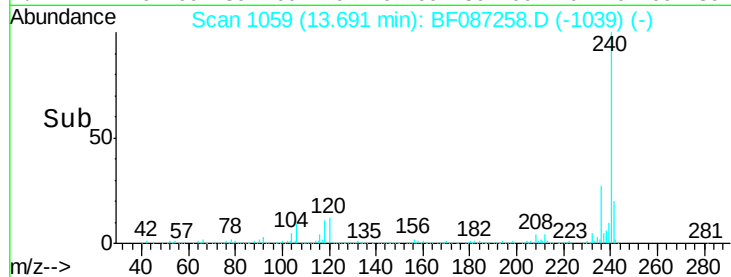
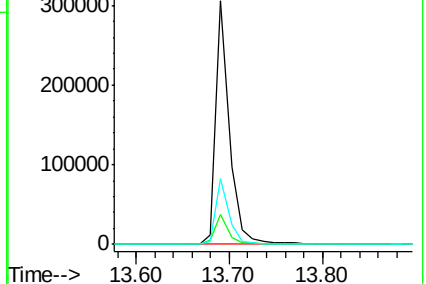
236 26.8 21.2 31.8



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



#76

Benzidine

Concen: 2.83 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

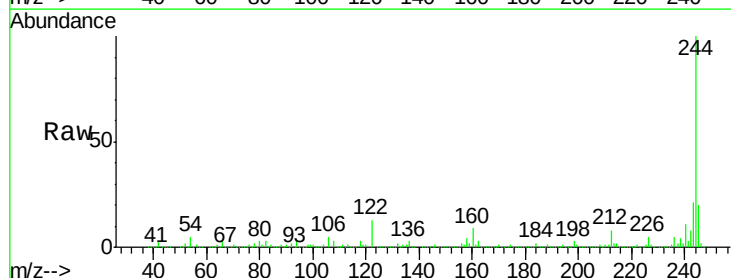
Tgt Ion:184 Resp: 22031

Ion Ratio Lower Upper

184 100

185 18.9 13.6 20.4

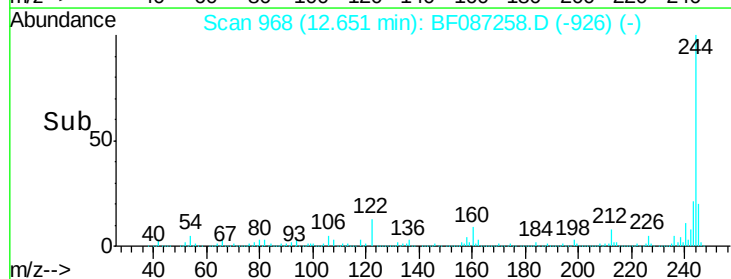
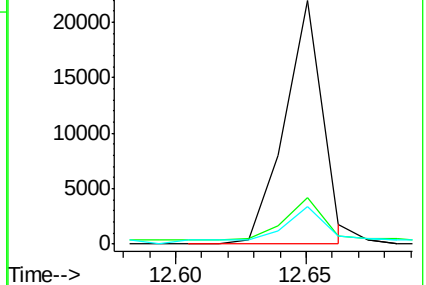
183 15.2 9.8 14.6#

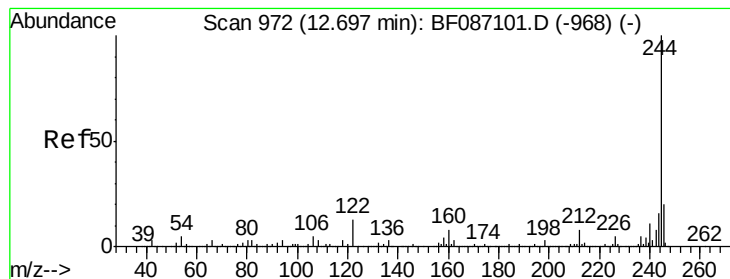


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.55 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Instrument :

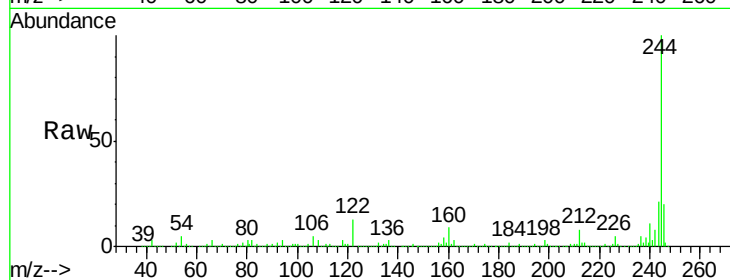
BNA_F

ClientSampleId :

RAV-MW-6

Tgt Ion:244 Resp: 1344767

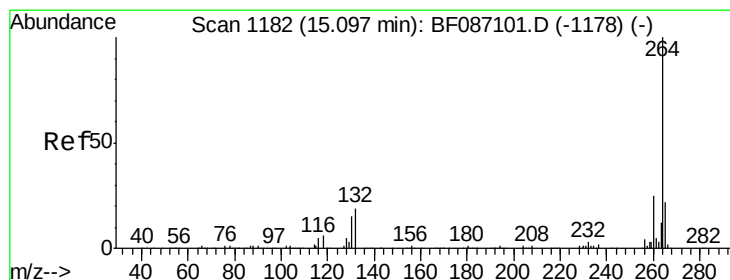
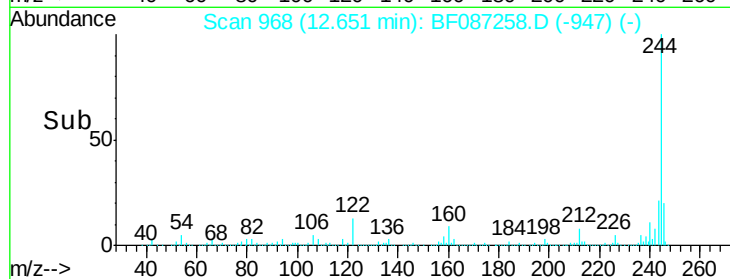
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.9	12.0	18.0



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: 15.04 min Scan# 1177

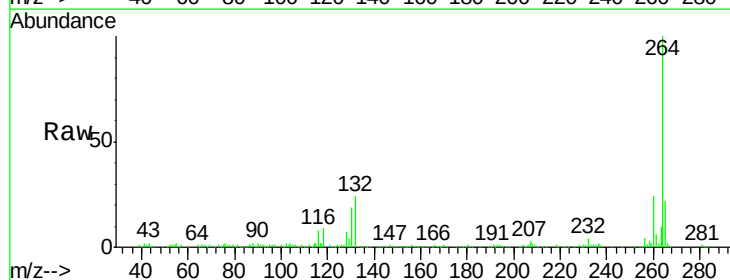
Delta R.T. -0.07 min

Lab File: BF087258.D

Acq: 21 May 2016 8:10

Tgt Ion:264 Resp: 227132

Ion	Ratio	Lower	Upper
264	100		
260	24.1	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

