

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087256.D
 Acq On : 21 May 2016 7:12
 Operator : UM/SJ
 Sample : H3167-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-RMW-3

Quant Time: May 23 00:56:21 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	6.56	152	125919	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	543569	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	276119	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	501850	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	373843	20.00	ng	-0.07
86) Perylene-d12	15.04	264	272864	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	507872	67.79	ng	-0.06
7) Phenol-d6	6.23	99	420182	41.82	ng	-0.06
23) Nitrobenzene-d5	7.13	82	894063	81.97	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	308683	101.17	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1676017	100.53	ng	-0.06
78) Terphenyl-d14	12.65	244	1460314	88.36	ng	-0.06

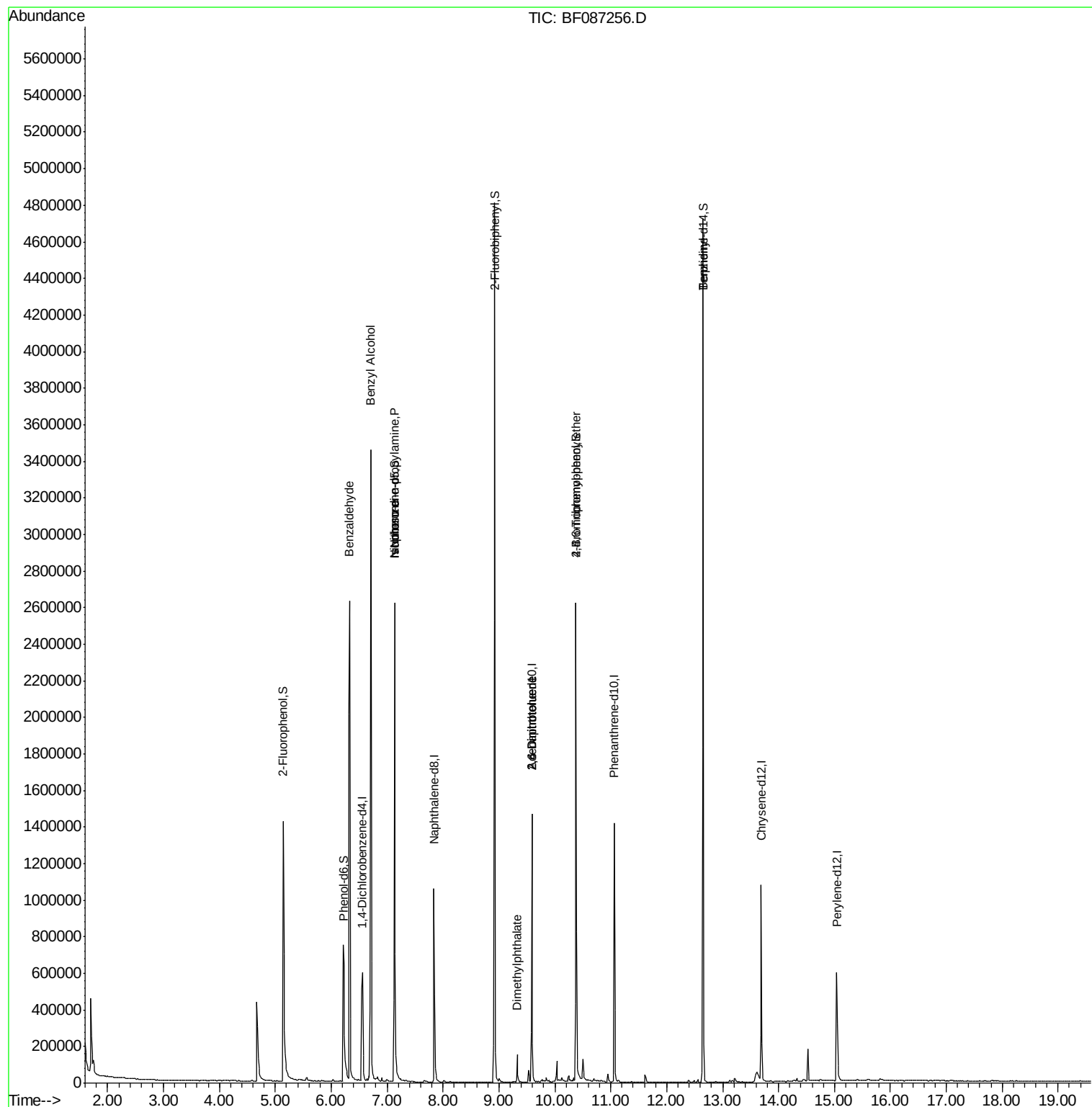
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	23765	3.25	ng	# 79
15) Benzyl Alcohol	6.71	79	15876	2.12	ng	# 43
19) n-Nitroso-di-n-propylamine	7.13	70	125763	16.47	ng	# 74
25) Isophorone	7.13	82	796643	39.90	ng	# 68
49) Dimethylphthalate	9.32	163	59291	2.81	ng	99
50) 2,6-Dinitrotoluene	9.59	165	35563	7.78	ng	# 20
56) 2,4-Dinitrotoluene	9.59	165	35563	6.07	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	20144	3.90	ng	# 1
76) Benzidine	12.65	184	22812	2.58	ng	97

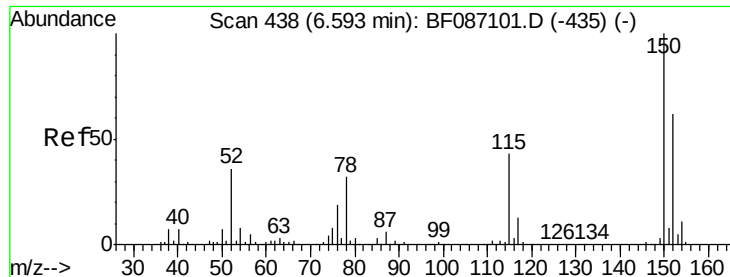
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-3

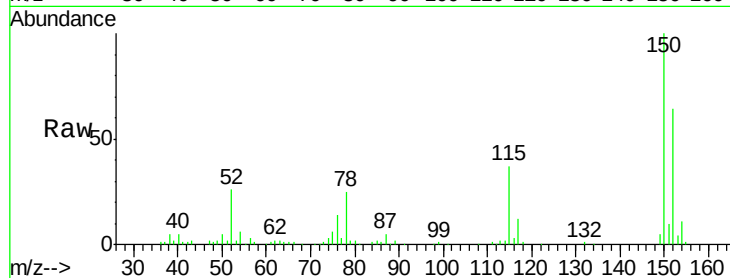
Tgt Ion:152 Resp: 125919

Ion Ratio Lower Upper

152 100

150 156.1 125.8 188.6

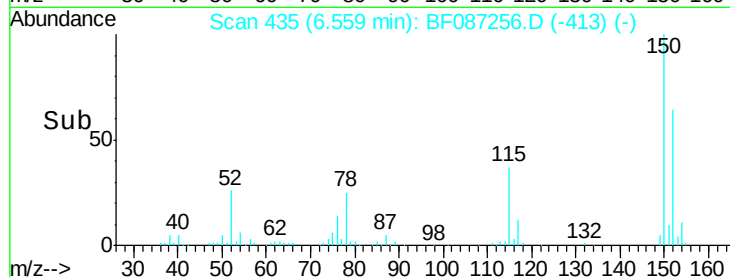
115 58.5 51.5 77.3



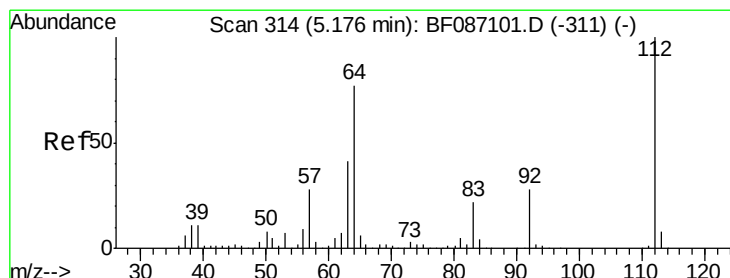
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 67.79 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

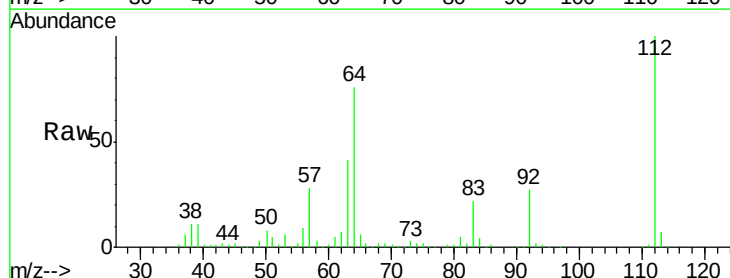
Tgt Ion:112 Resp: 507872

Ion Ratio Lower Upper

112 100

64 75.7 52.1 78.1

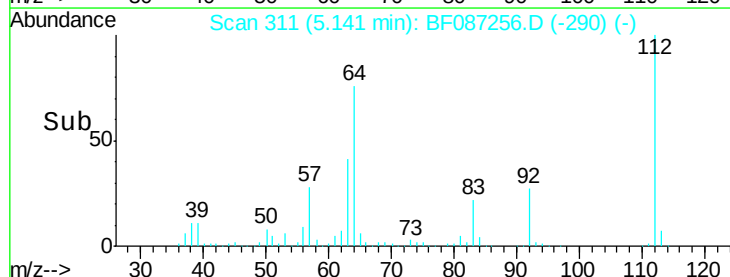
63 40.9 25.7 38.5#



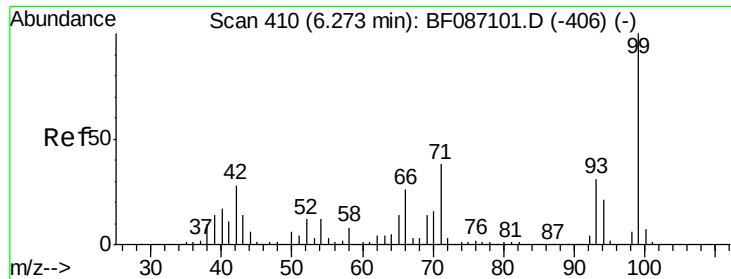
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 41.82 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampled :

RAV-RMW-3

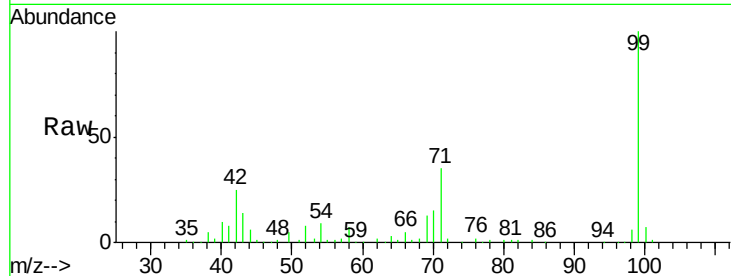
Tgt Ion: 99 Resp: 420182

Ion Ratio Lower Upper

99 100

42 25.4 13.6 20.4#

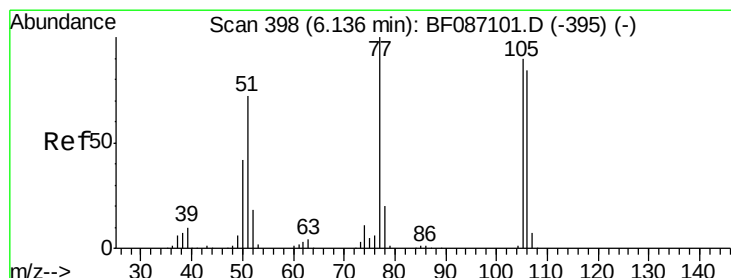
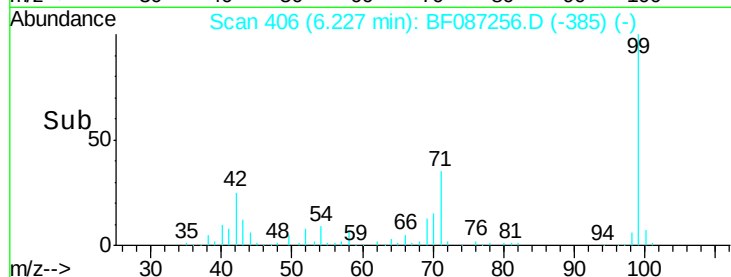
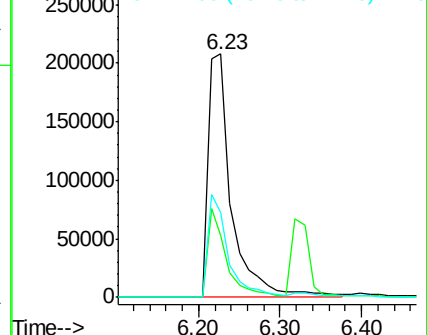
71 34.9 24.6 36.8



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: 3.25 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

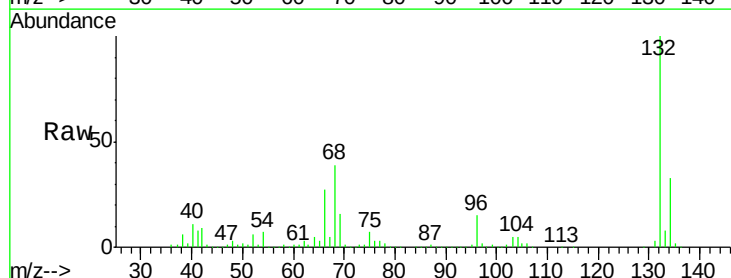
Tgt Ion: 77 Resp: 23765

Ion Ratio Lower Upper

77 100

105 79.9 72.7 112.7

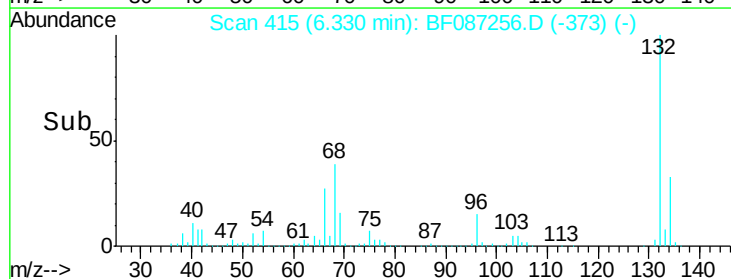
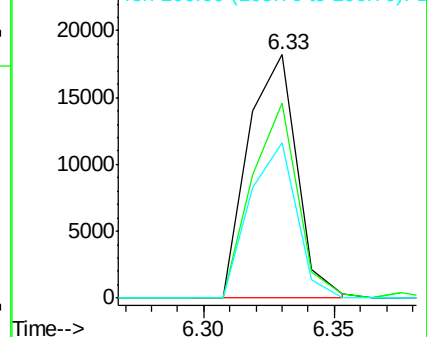
106 63.6 70.8 110.8#

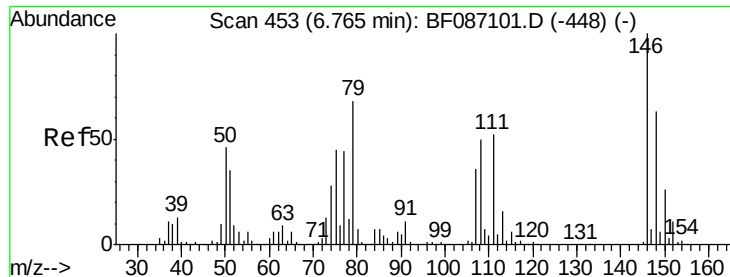


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-3

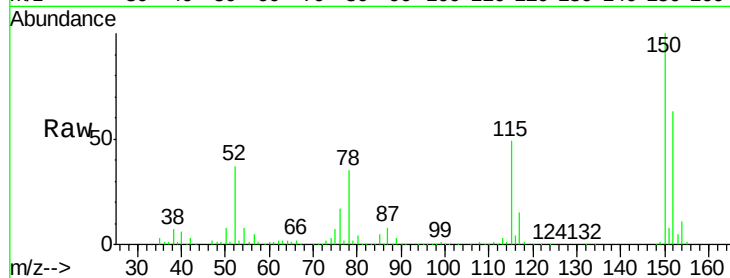
Tgt Ion: 79 Resp: 15876

Ion Ratio Lower Upper

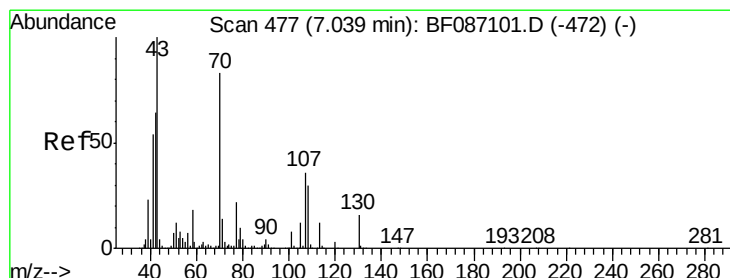
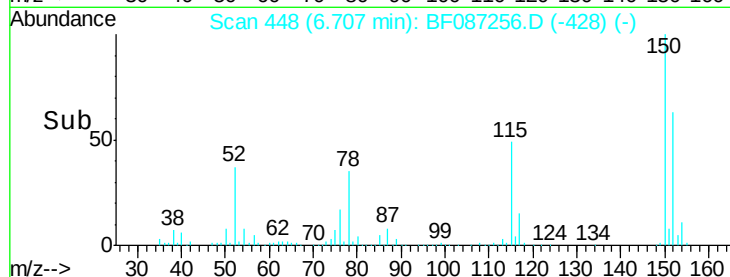
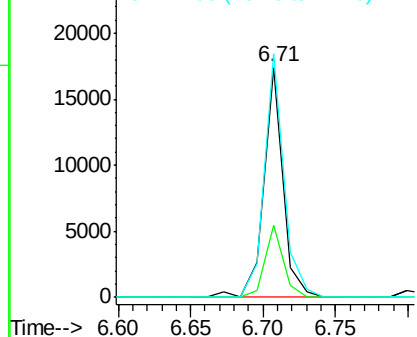
79 100

108 31.4 68.4 102.6#

77 105.8 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: 16.47 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Tgt Ion: 70 Resp: 125763

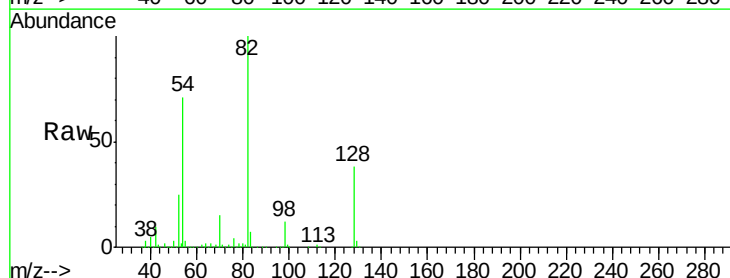
Ion Ratio Lower Upper

70 100

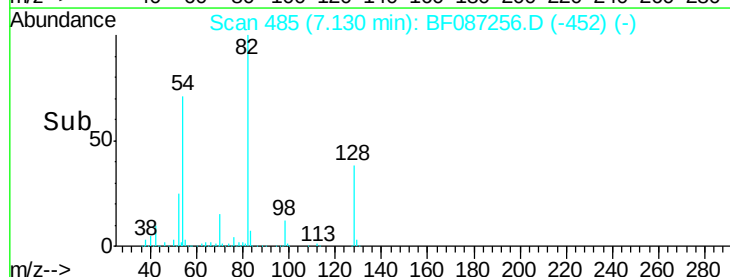
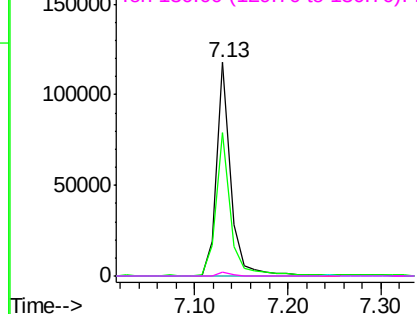
42 67.1 43.1 64.7#

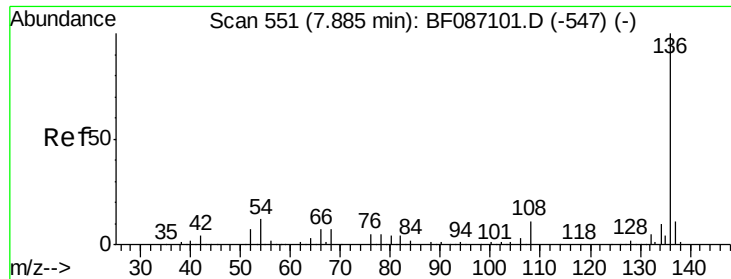
101 0.0 8.1 12.1#

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

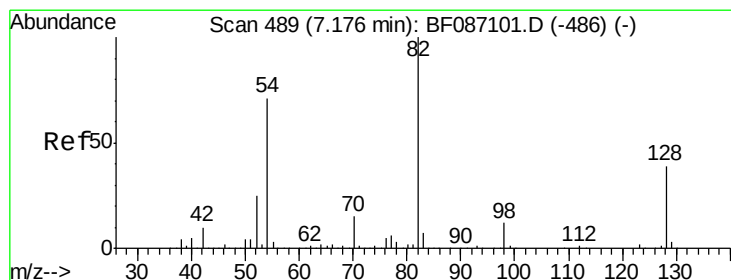
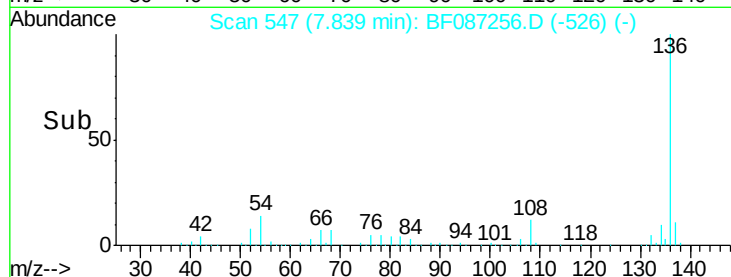
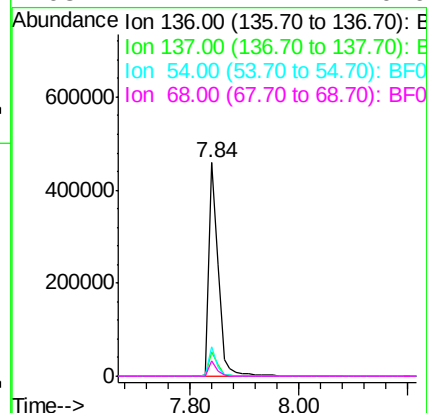
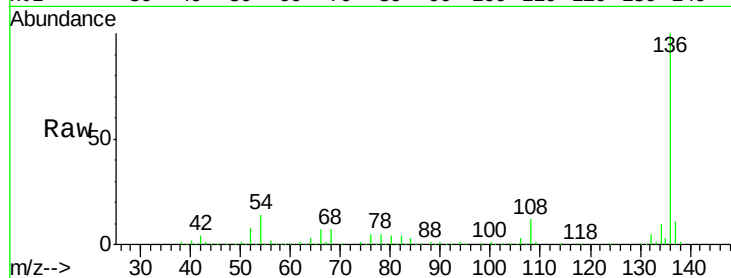




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

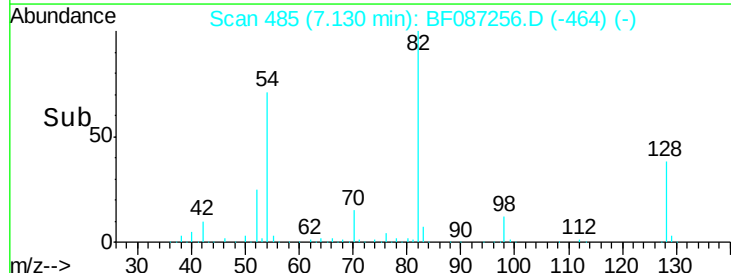
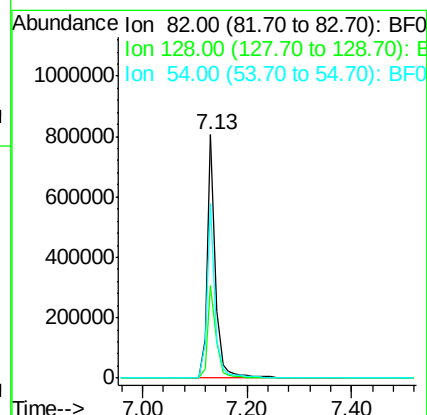
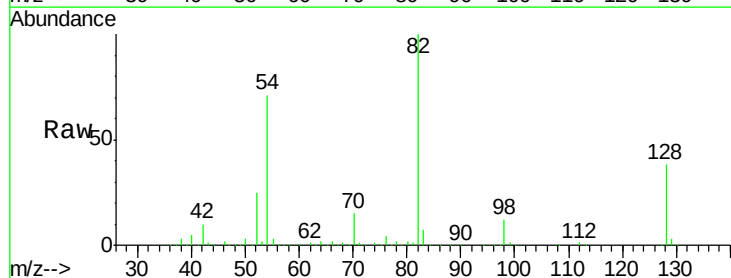
Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

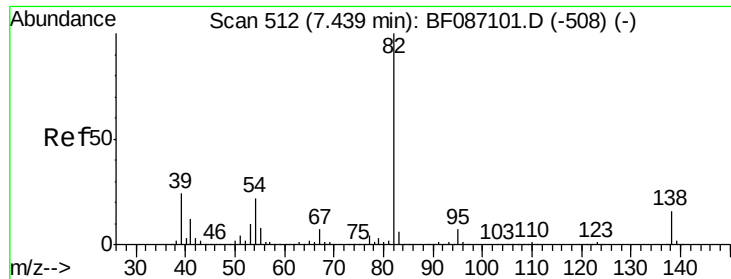
Tgt Ion:	136	Resp:	543569
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.8	5.0	7.4#
68	7.1	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 81.97 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:	82	Resp:	894063
Ion	Ratio	Lower	Upper
82	100		
128	38.0	40.6	61.0#
54	71.5	38.1	57.1#





#25

Isophorone

Concen: 39.90 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampled :

RAV-RMW-3

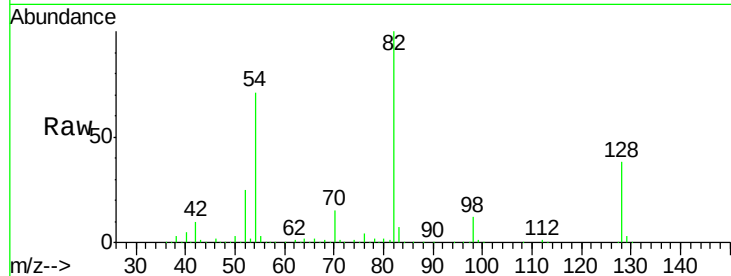
Tgt Ion: 82 Resp: 796643

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

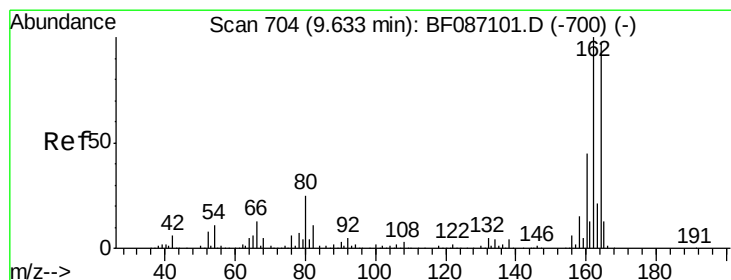
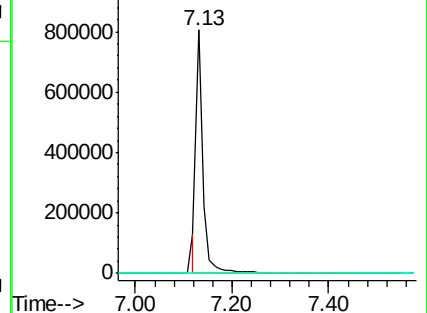
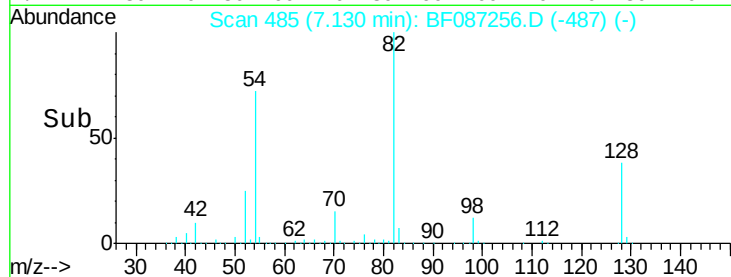
138 0.0 12.4 18.6#



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: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

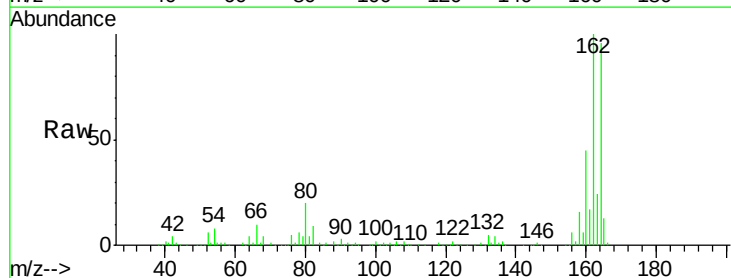
Tgt Ion: 164 Resp: 276119

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

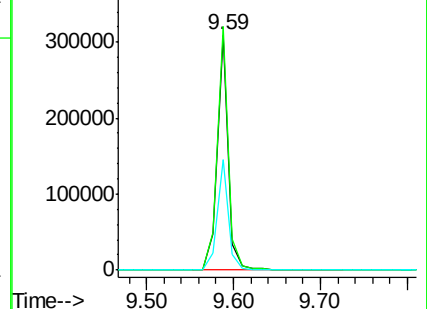
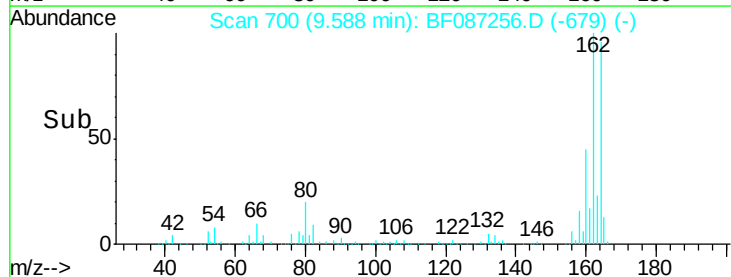
160 46.8 36.9 55.3

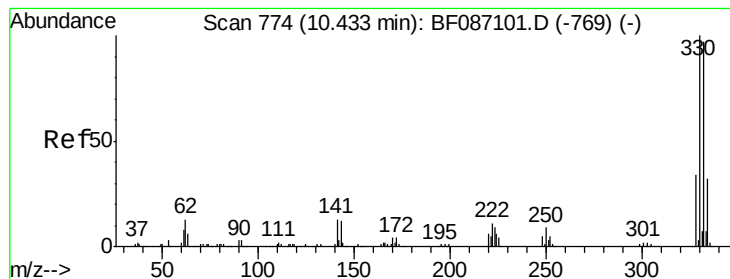


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

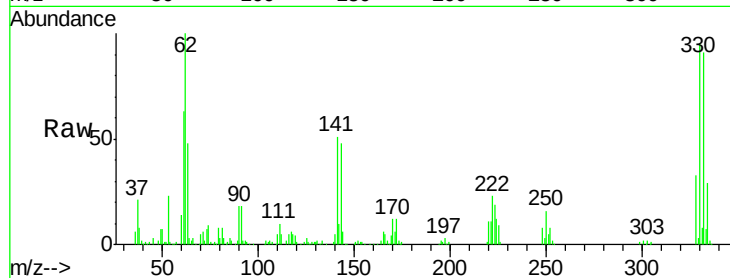




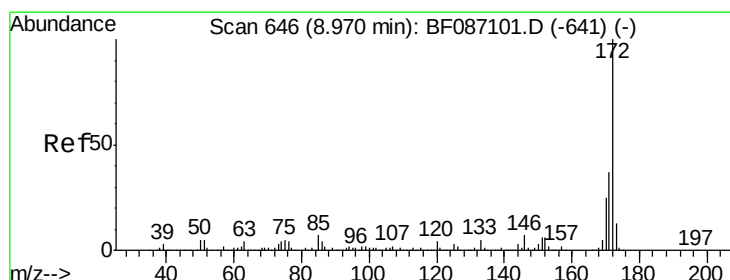
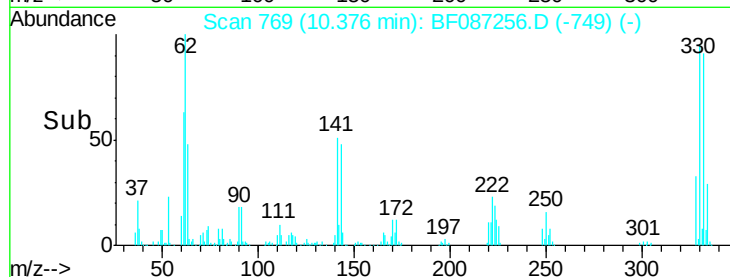
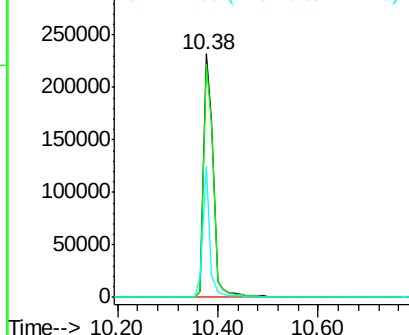
#41
 2,4,6-Tribromophenol
 Concen: 101.17 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.07 min
 Lab File: BF087256.D
 Acq: 21 May 2016 7:12

Instrument :
 BNA_F
 ClientSampleId :
 RAV-RMW-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.0	118.4
141	40.1	31.2	46.8

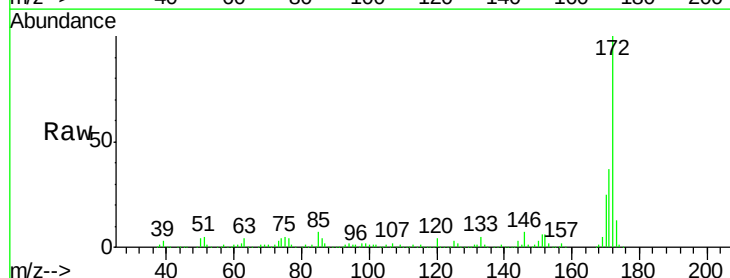


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

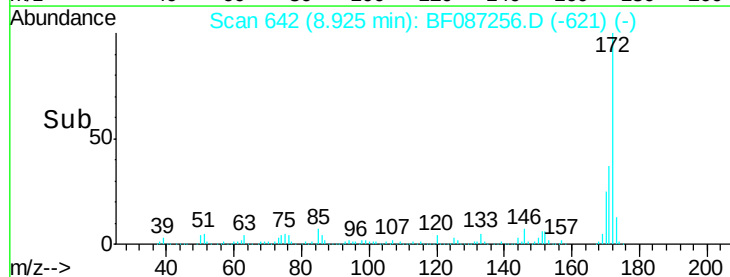
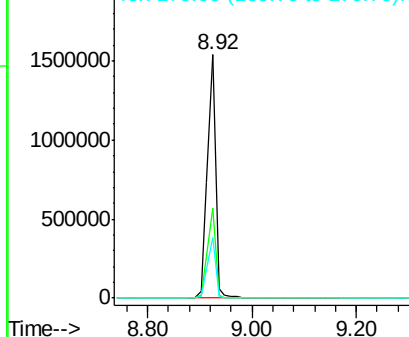


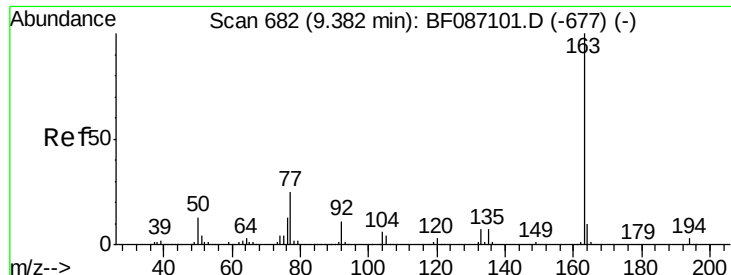
#44
 2-Fluorobiphenyl
 Concen: 100.53 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087256.D
 Acq: 21 May 2016 7:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

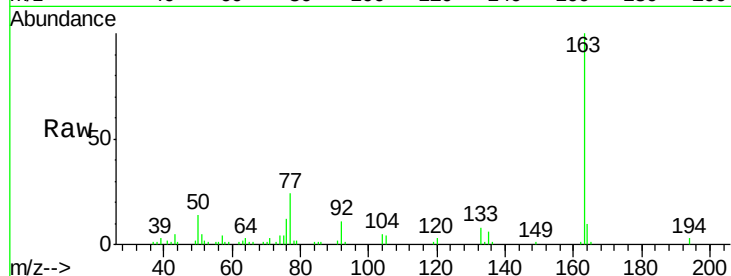




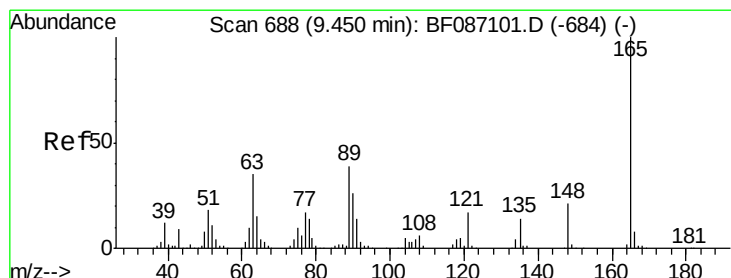
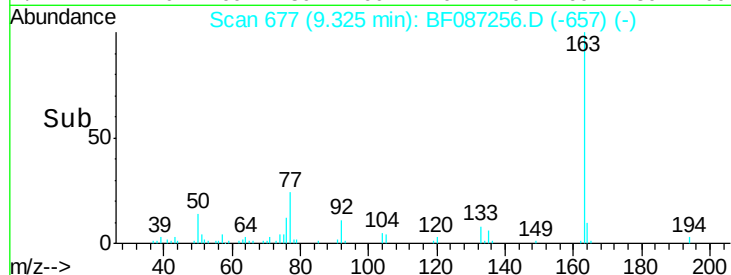
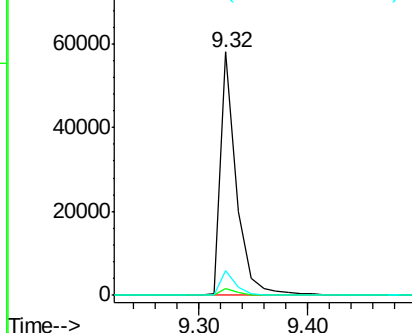
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.07 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion:163 Resp: 59291
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.1 8.2 12.4

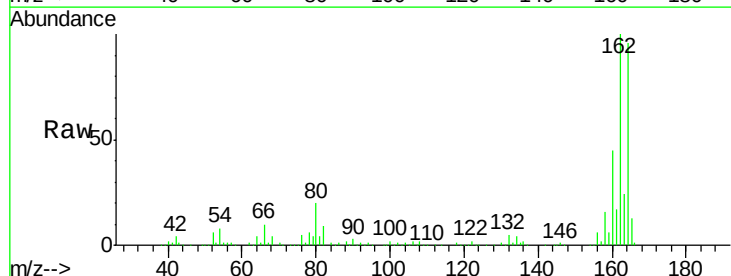


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

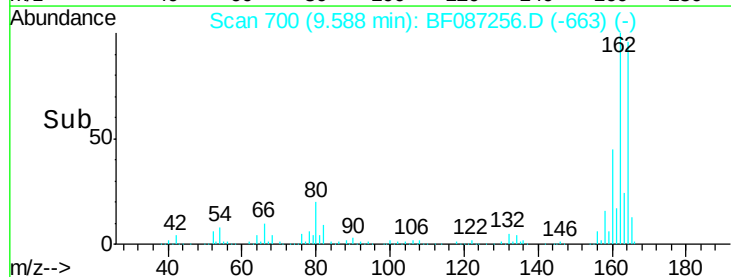
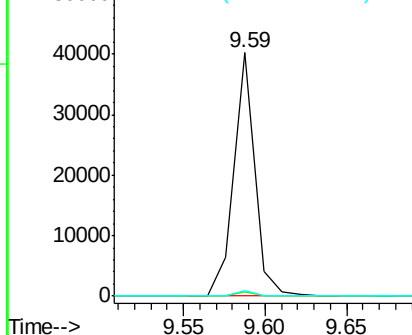


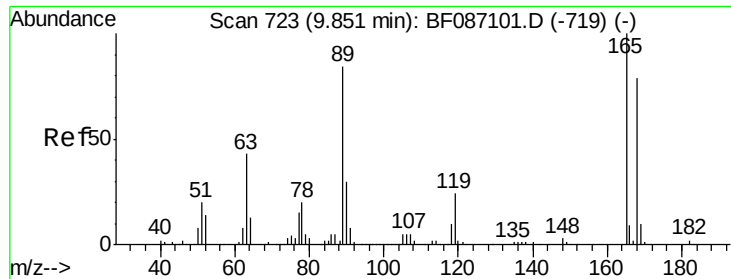
#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.13 min
Lab File: BF087256.D
Acq: 21 May 2016 7:12

Tgt Ion:165 Resp: 35563
Ion Ratio Lower Upper
165 100
63 1.6 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: 6.07 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.27 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

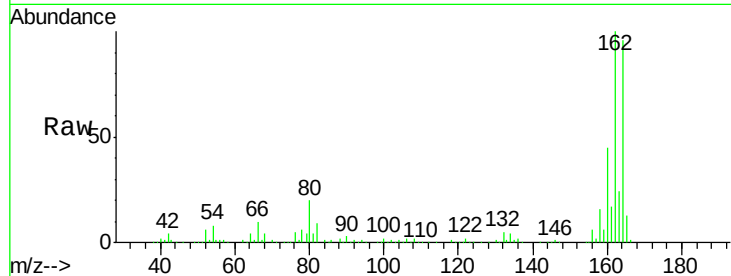
Instrument :

BNA_F

ClientSampleId :

RAV-RMW-3

Tgt Ion:	165	Resp:	35563
Ion Ratio	Lower	Upper	
165	100		
63	1.6	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#

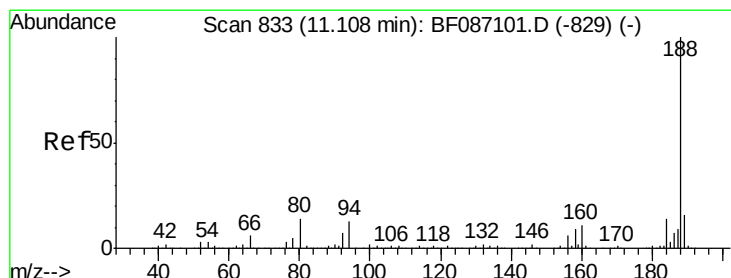
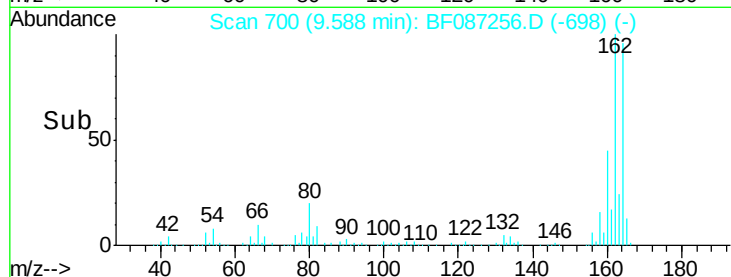
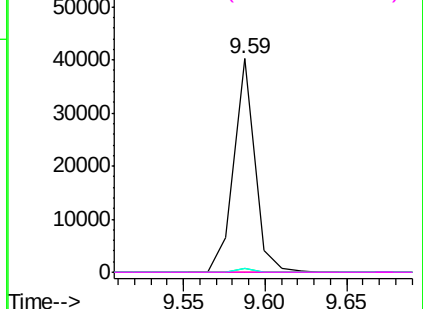


Abundance Ion 165.00 (164.70 to 165.70): E

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

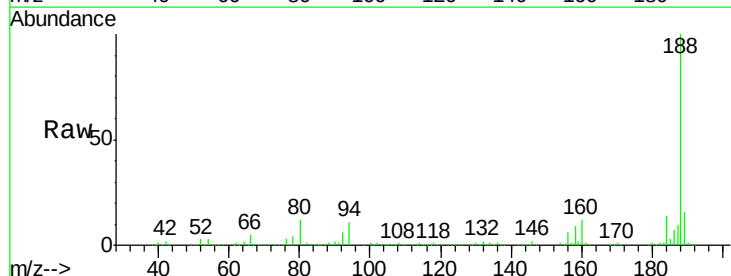
RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

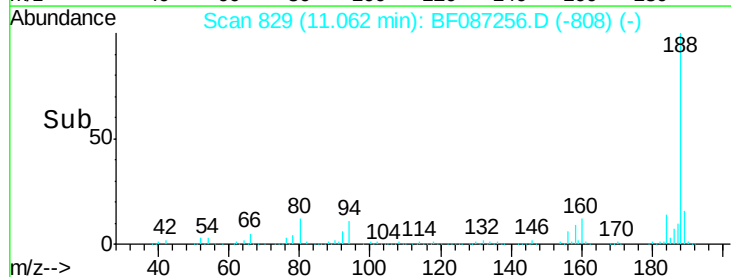
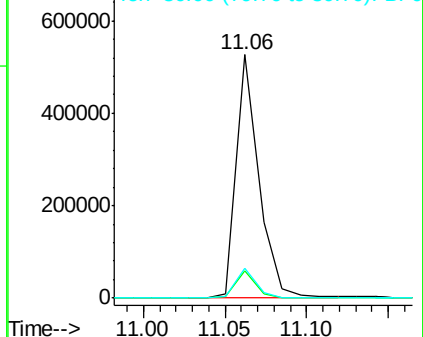
Tgt Ion:	188	Resp:	501850
Ion Ratio	Lower	Upper	
188	100		
94	11.3	6.8	10.2#
80	12.5	7.1	10.7#

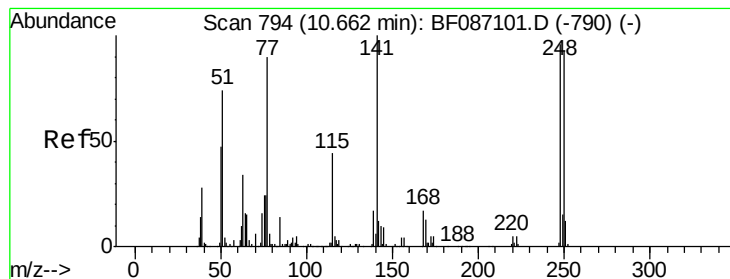


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.90 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.30 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-3

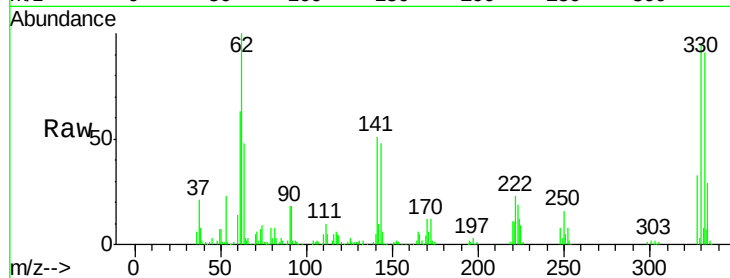
Tgt Ion:248 Resp: 20144

Ion Ratio Lower Upper

248 100

250 209.2 78.6 117.8#

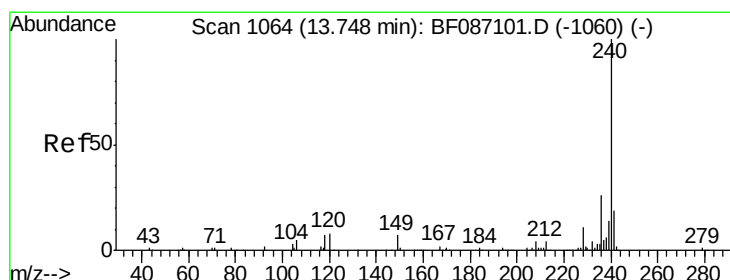
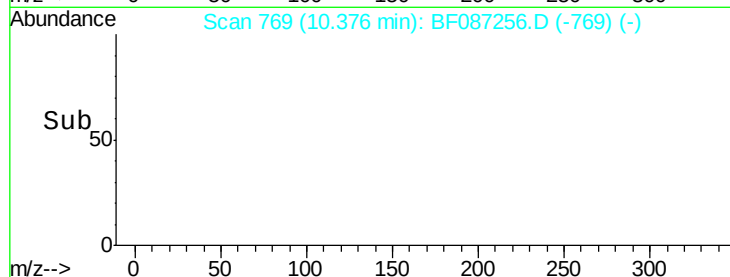
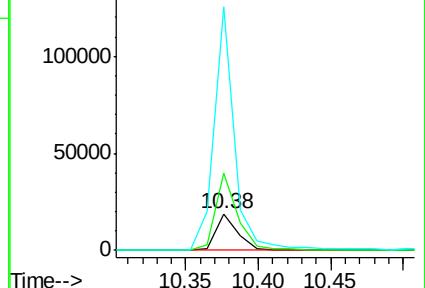
141 660.2 76.0 114.0#



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: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

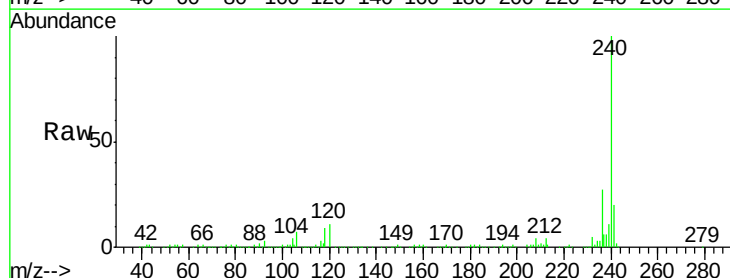
Tgt Ion:240 Resp: 373843

Ion Ratio Lower Upper

240 100

120 10.6 11.2 16.8#

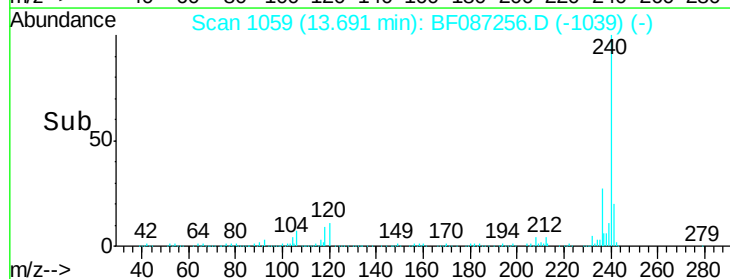
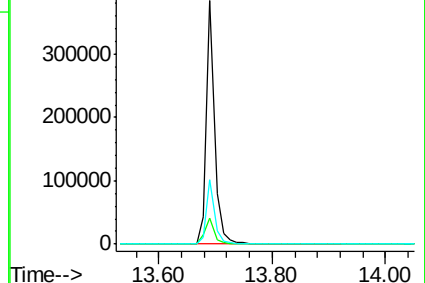
236 26.6 21.2 31.8

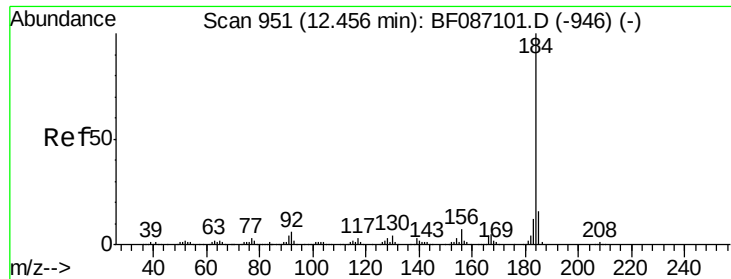


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.58 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-3

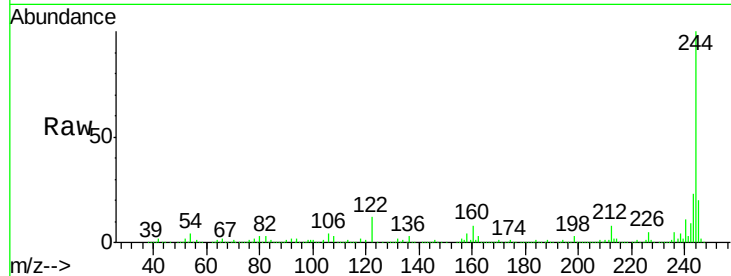
Tgt Ion:184 Resp: 22812

Ion Ratio Lower Upper

184 100

185 16.0 13.6 20.4

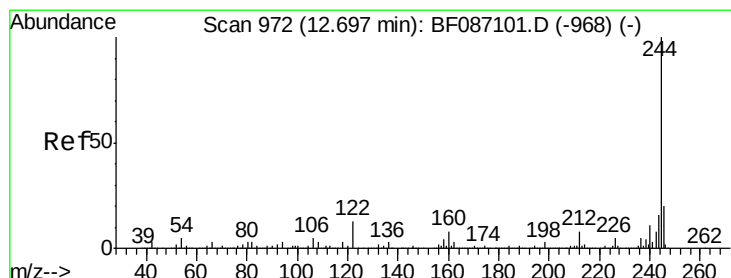
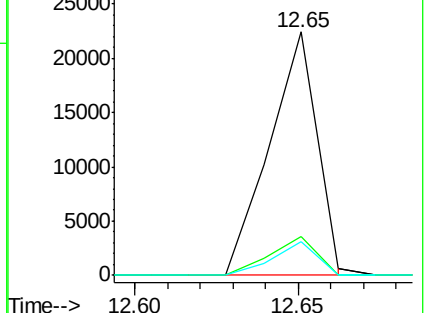
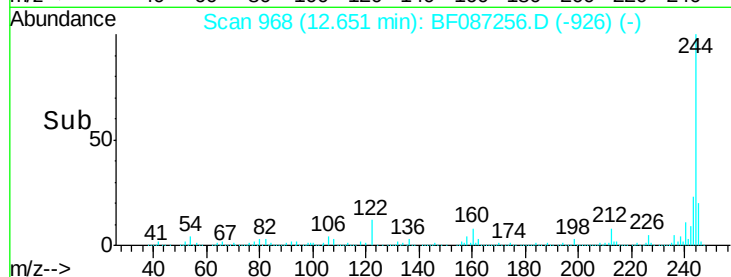
183 13.9 9.8 14.6



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: 88.36 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087256.D

Acq: 21 May 2016 7:12

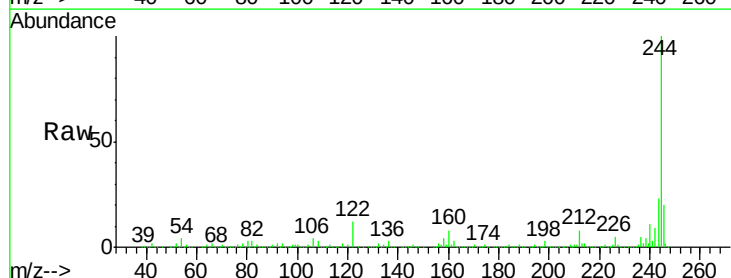
Tgt Ion:244 Resp: 1460314

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

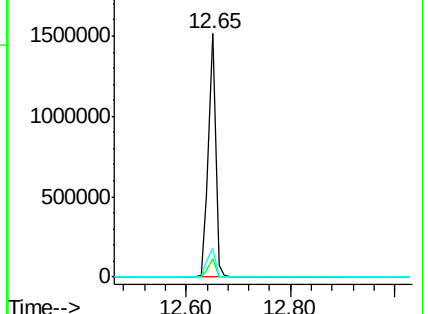
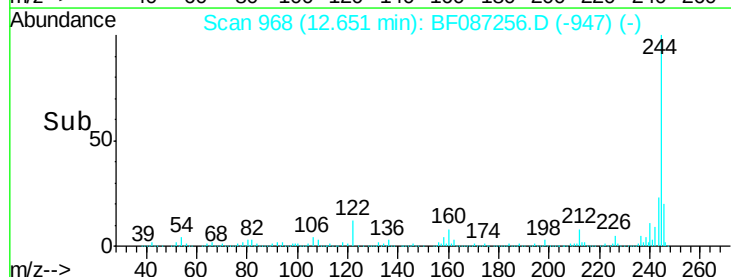
122 11.7 12.0 18.0#

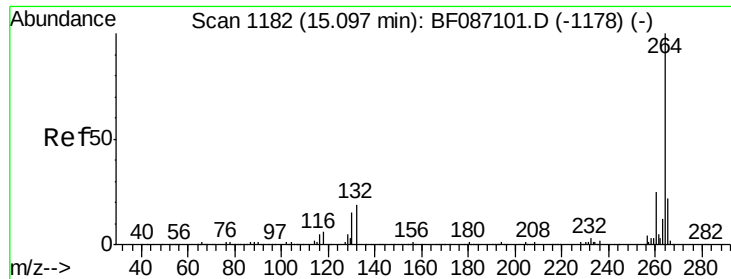


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087256.D
Acq: 21 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
RAV-RMW-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.6	17.3	25.9

