

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087255.D
 Acq On : 21 May 2016 6:42
 Operator : UM/SJ
 Sample : H3167-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-RMW-2

Quant Time: May 23 00:56:06 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

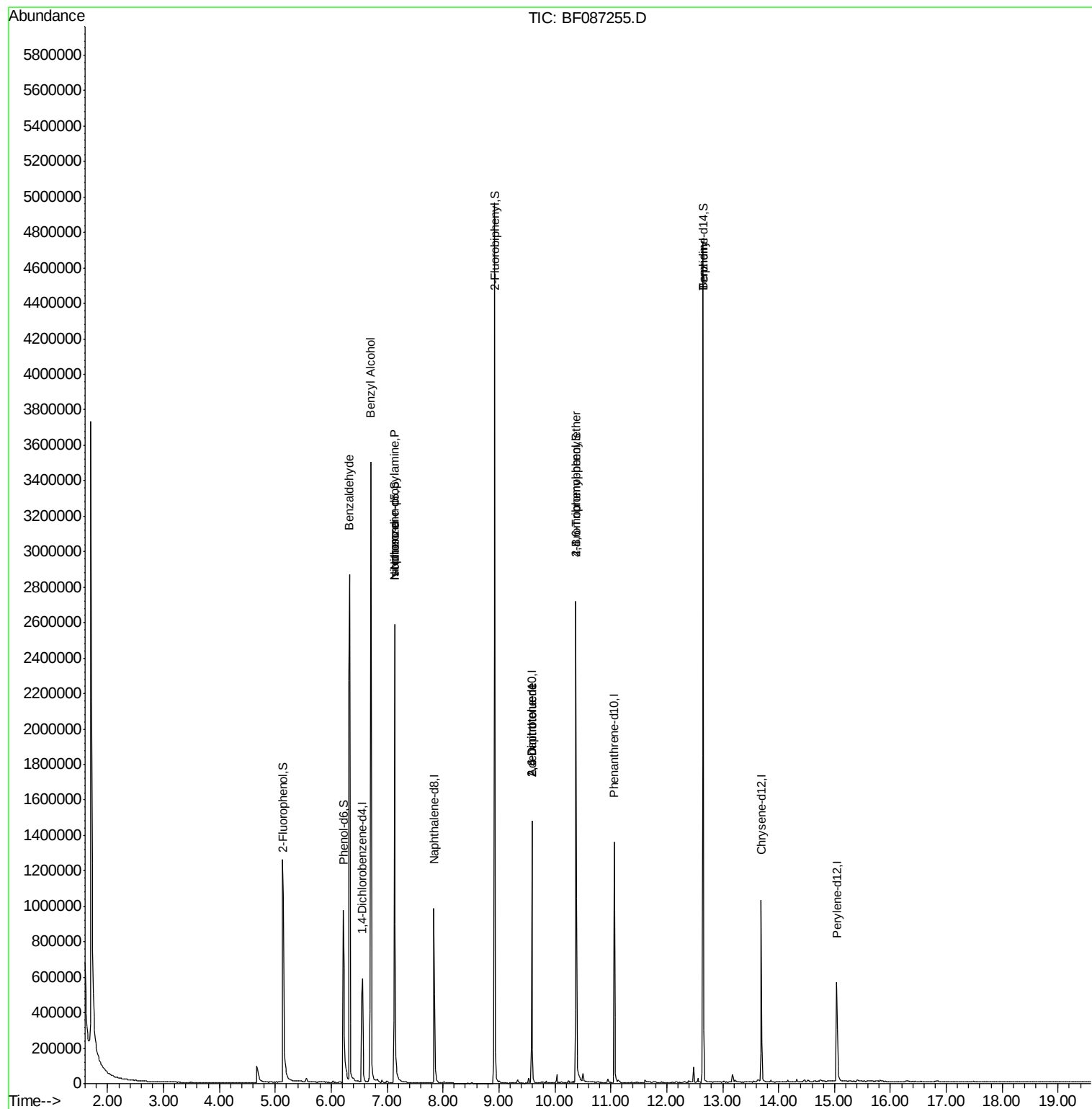
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	123200	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	527882	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	268840	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	476295	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	363697	20.00	ng	-0.07
86) Perylene-d12	15.04	264	258667	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	545699	74.45	ng	-0.06
7) Phenol-d6	6.22	99	474592	48.28	ng	-0.07
23) Nitrobenzene-d5	7.13	82	911402	86.05	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	352783	118.75	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1684701	103.78	ng	-0.06
78) Terphenyl-d14	12.65	244	1481621	92.15	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.33	77	25451	3.58	ng	Qvalue 84
15) Benzyl Alcohol	6.71	79	17116	2.34	ng	# 45
19) n-Nitroso-di-n-propylamine	7.13	70	128182	17.15	ng	# 73
25) Isophorone	7.13	82	831443	42.88	ng	# 68
50) 2,6-Dinitrotoluene	9.59	165	34794	7.81	ng	# 20
56) 2,4-Dinitrotoluene	9.59	165	34794	6.10	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	23253	4.75	ng	# 1
76) Benzidine	12.65	184	23183	2.65	ng	98

(#) = 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: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

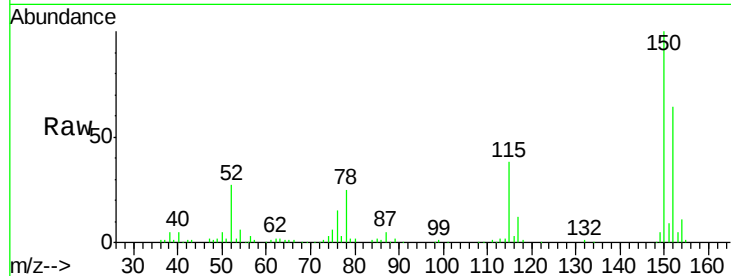
Tgt Ion:152 Resp: 123200

Ion Ratio Lower Upper

152 100

150 156.8 125.8 188.6

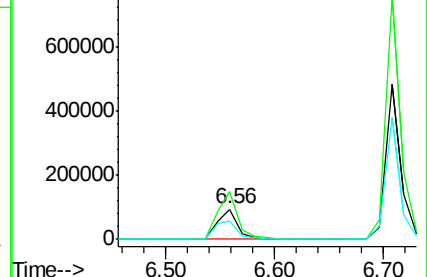
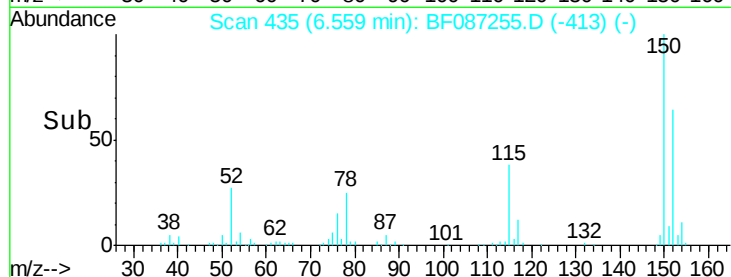
115 60.1 51.5 77.3



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: 74.45 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

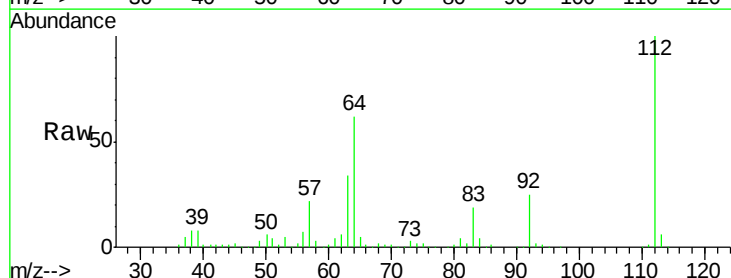
Tgt Ion:112 Resp: 545699

Ion Ratio Lower Upper

112 100

64 62.5 52.1 78.1

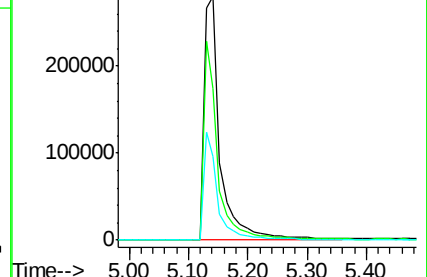
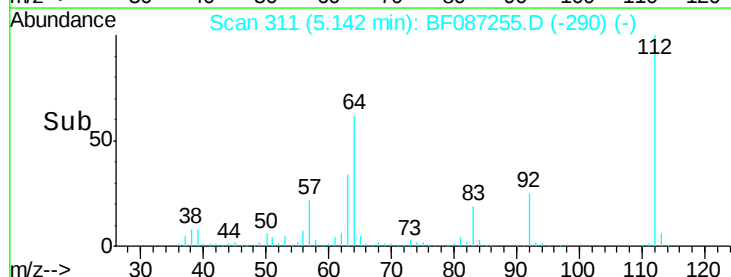
63 34.4 25.7 38.5

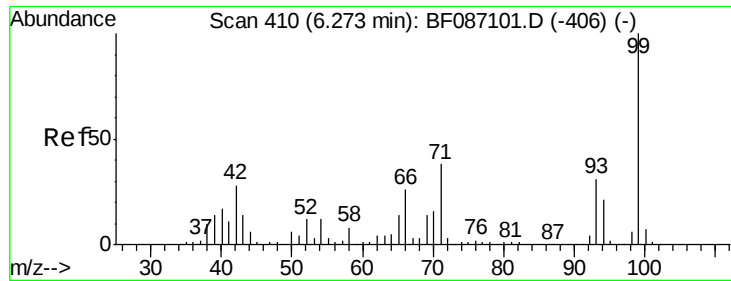


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.28 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.07 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

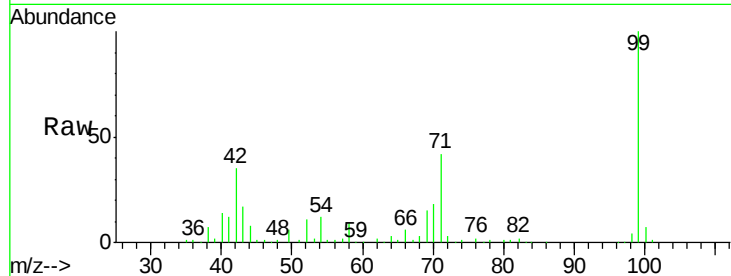
Tgt Ion: 99 Resp: 474592

Ion Ratio Lower Upper

99 100

42 34.9 13.6 20.4#

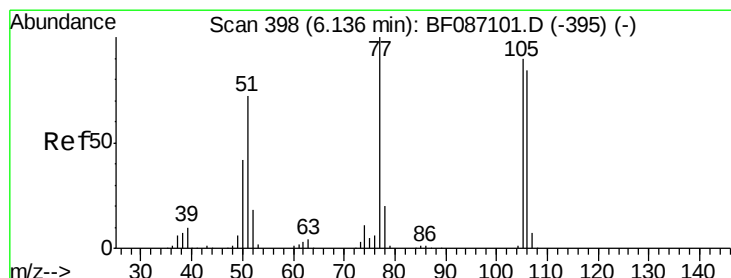
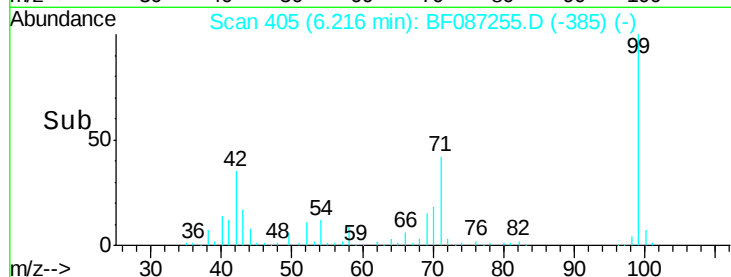
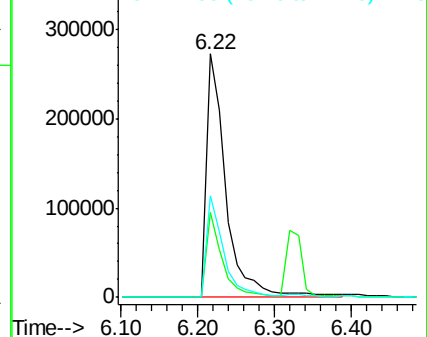
71 41.6 24.6 36.8#



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: 3.58 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

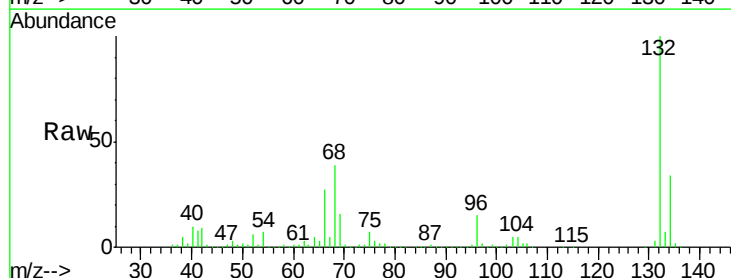
Tgt Ion: 77 Resp: 25451

Ion Ratio Lower Upper

77 100

105 81.6 72.7 112.7

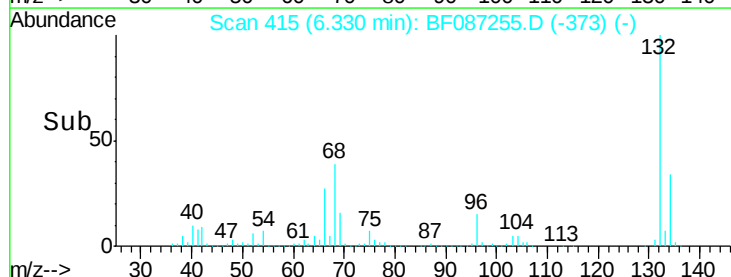
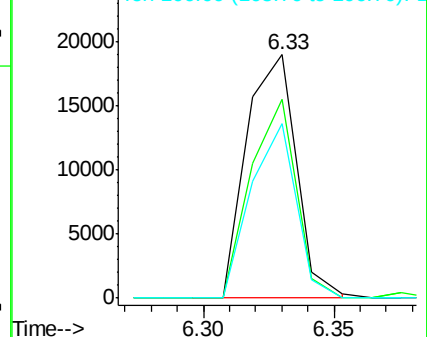
106 71.9 70.8 110.8

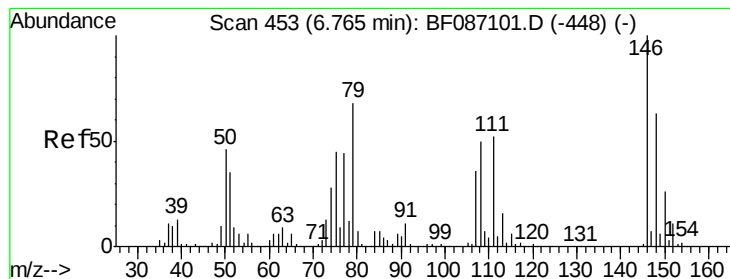


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

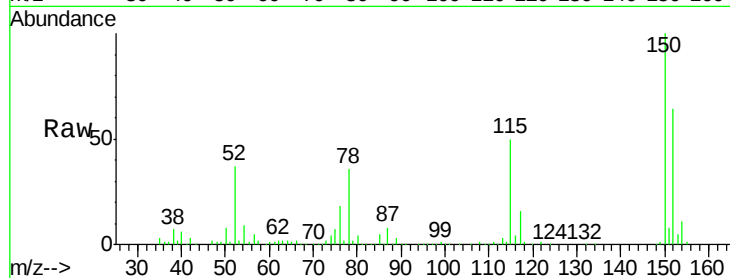
Tgt Ion: 79 Resp: 17116

Ion Ratio Lower Upper

79 100

108 30.7 68.4 102.6#

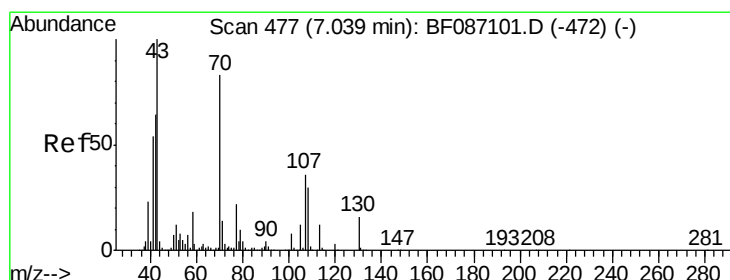
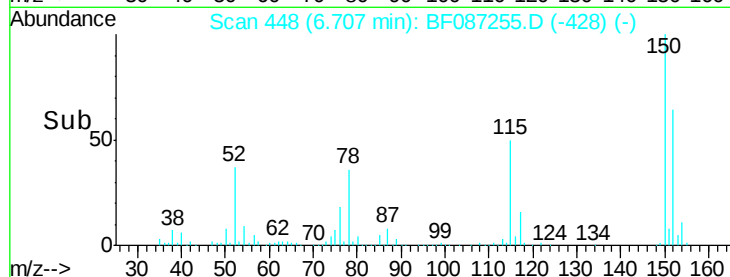
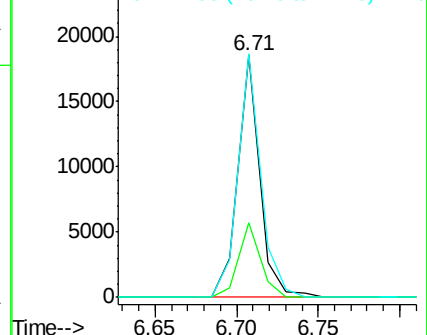
77 100.6 50.6 76.0#



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: 17.15 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

Tgt Ion: 70 Resp: 128182

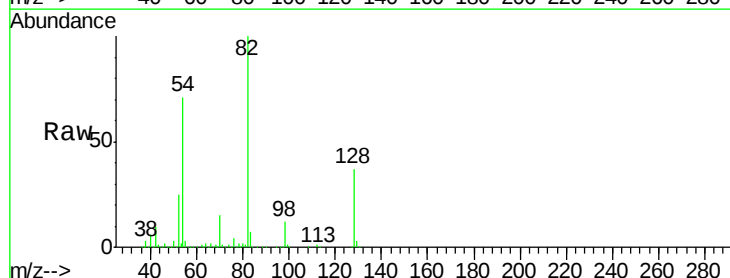
Ion Ratio Lower Upper

70 100

42 68.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

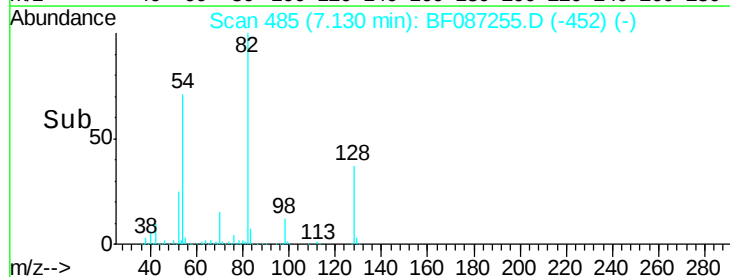
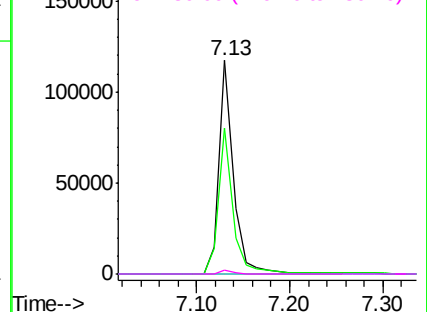


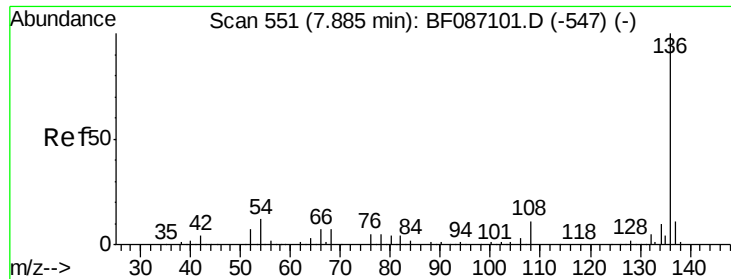
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

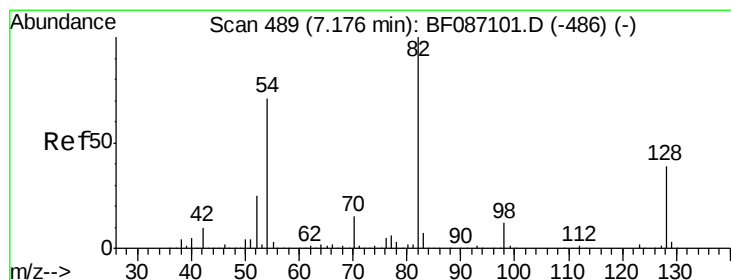
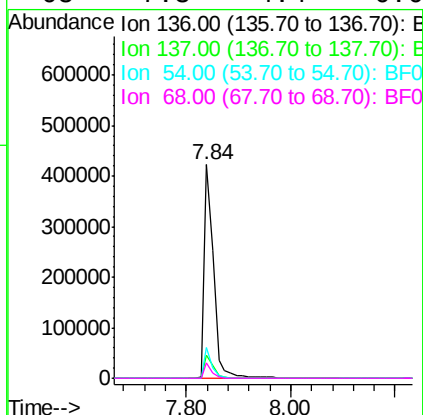
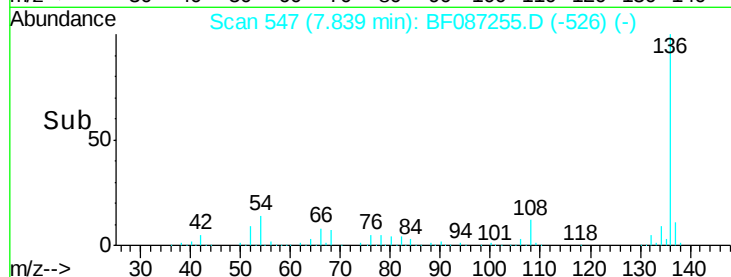
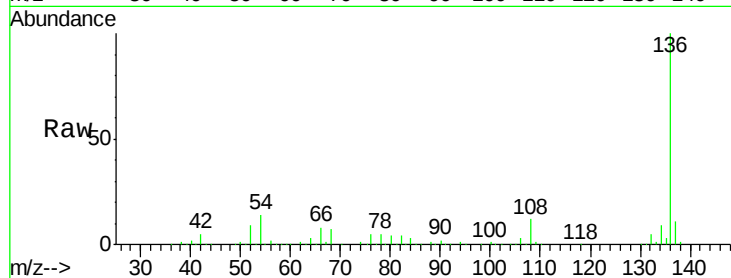




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087255.D
Acq: 21 May 2016 6:42

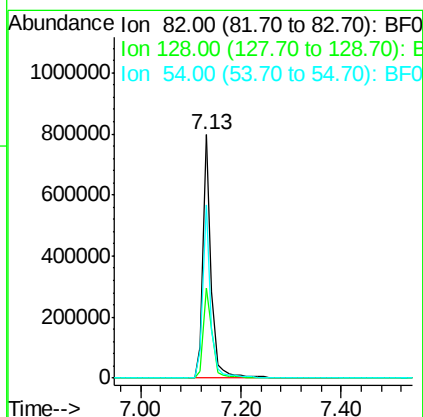
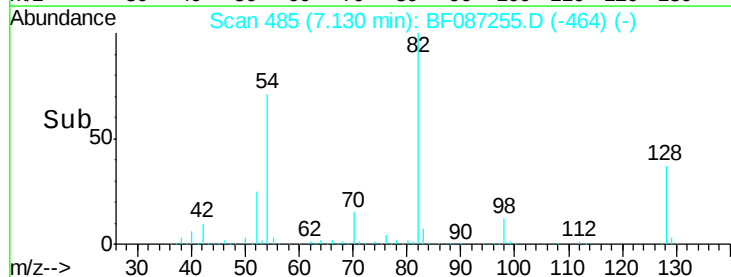
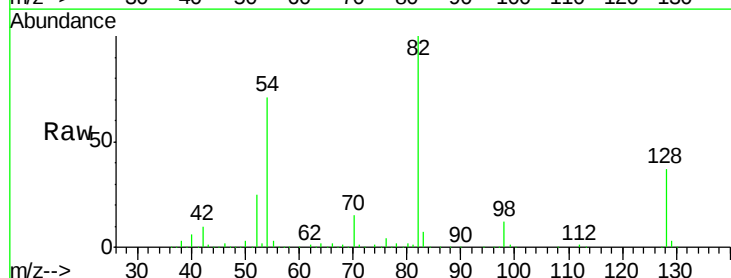
Instrument :
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ClientSampleId :
RAV-RMW-2

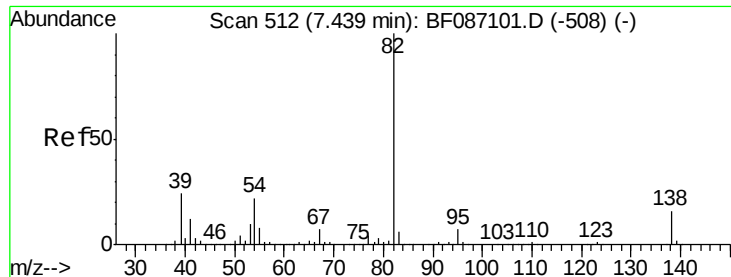
Tgt Ion:	136	Resp:	527882
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.4	5.0	7.4#
68	7.3	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 86.05 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087255.D
Acq: 21 May 2016 6:42

Tgt Ion:	82	Resp:	911402
Ion	Ratio	Lower	Upper
82	100		
128	37.0	40.6	61.0#
54	71.4	38.1	57.1#





#25

Isophorone

Concen: 42.88 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

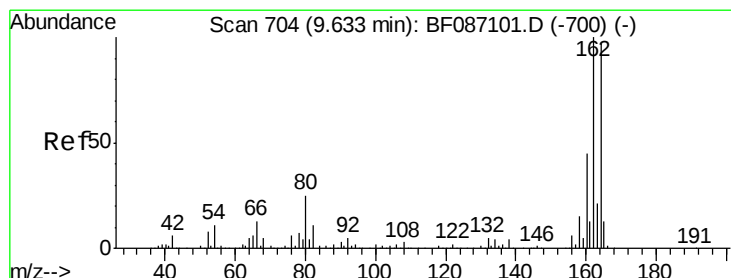
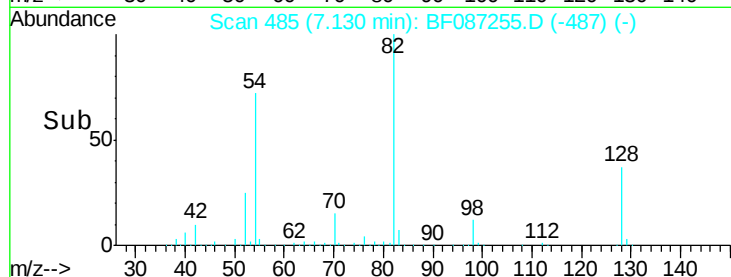
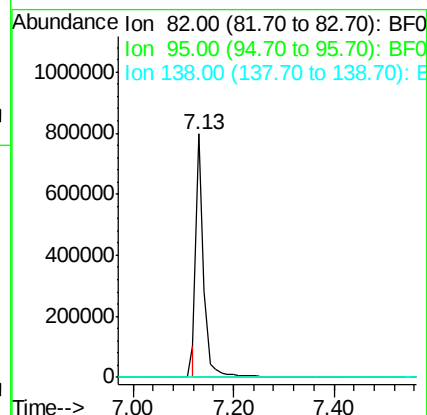
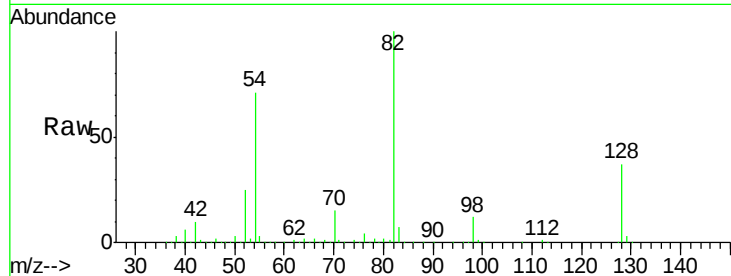
Tgt Ion: 82 Resp: 831443

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

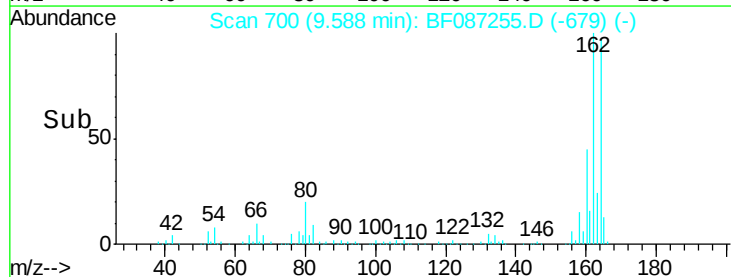
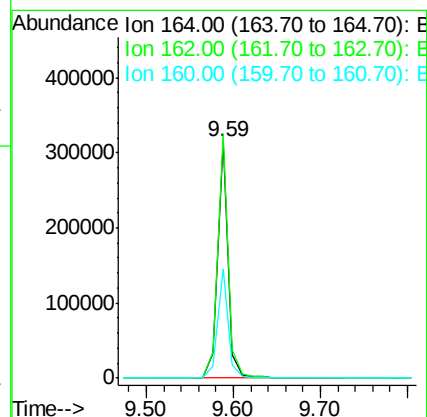
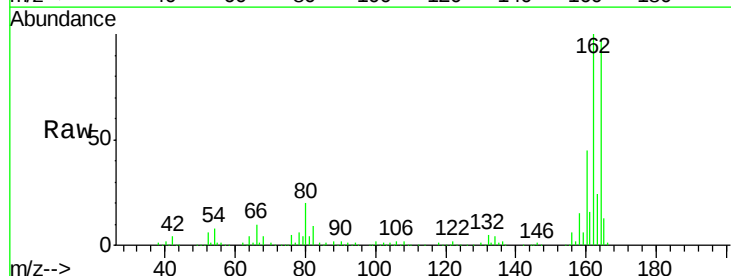
Tgt Ion: 164 Resp: 268840

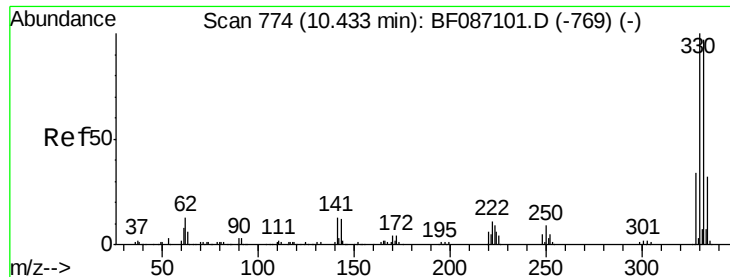
Ion Ratio Lower Upper

164 100

162 102.8 82.8 124.2

160 46.3 36.9 55.3

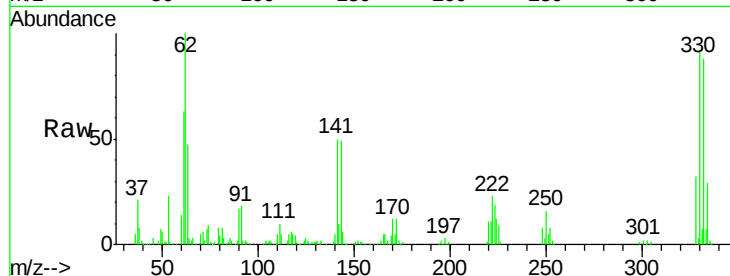




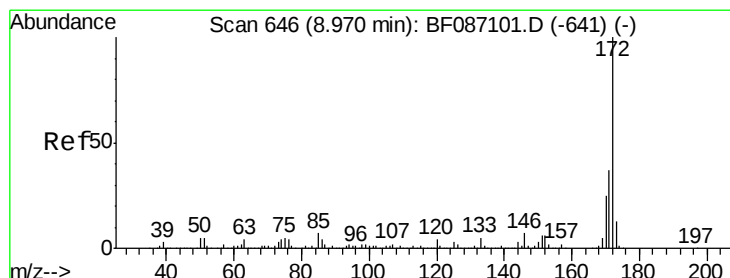
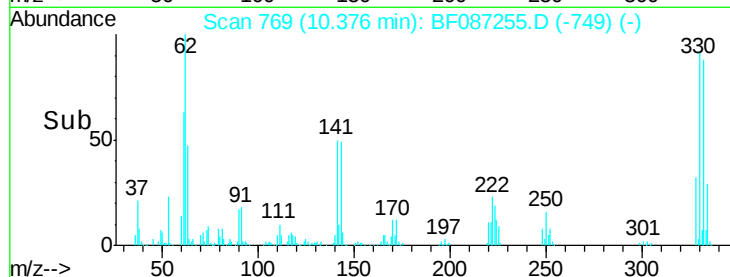
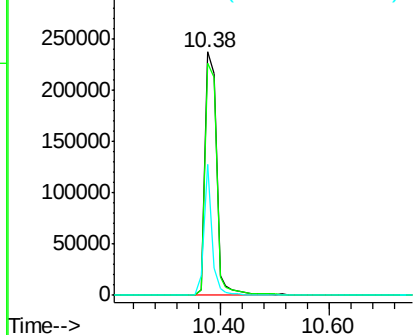
#41
 2,4,6-Tribromophenol
 Concen: 118.75 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.07 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 RAV-RMW-2

Tgt Ion:330 Resp: 352783
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 37.6 31.2 46.8

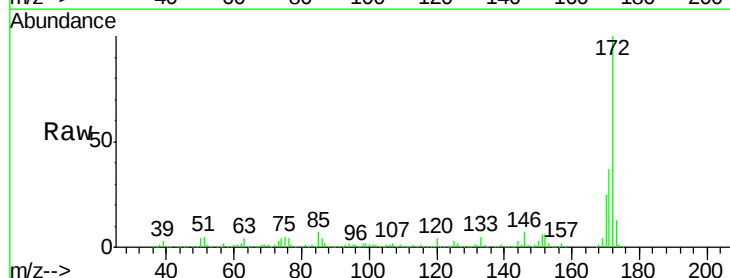


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

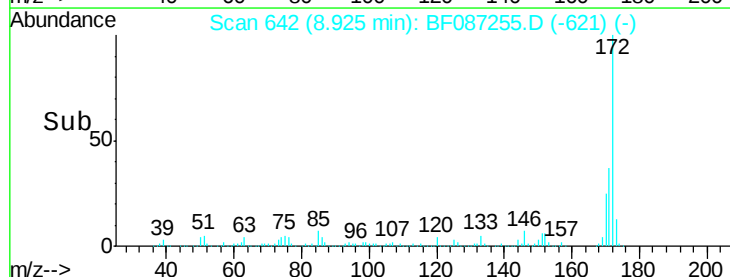
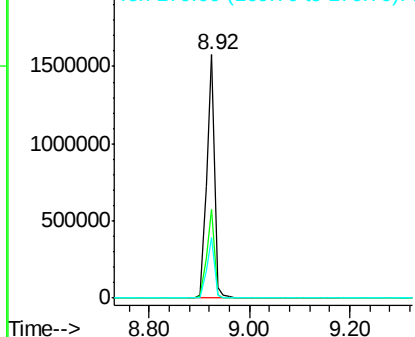


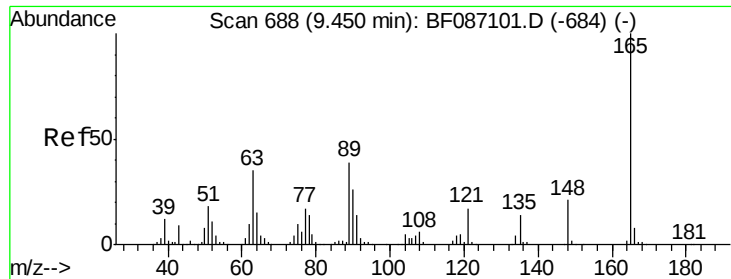
#44
 2-Fluorobiphenyl
 Concen: 103.78 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

Tgt Ion:172 Resp: 1684701
 Ion Ratio Lower Upper
 172 100
 171 36.6 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

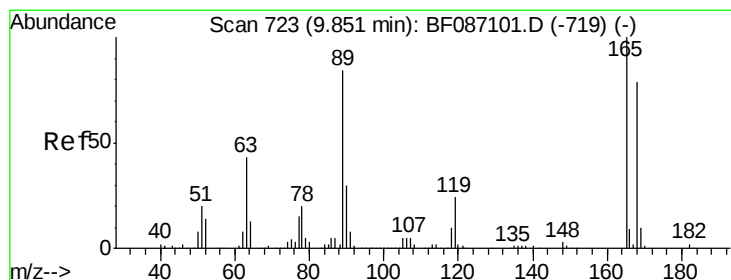
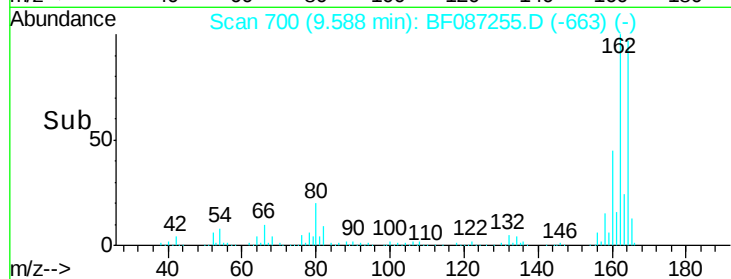
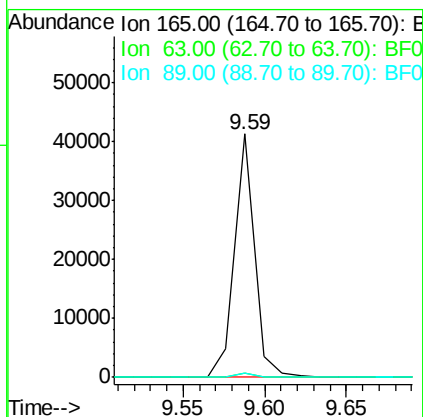
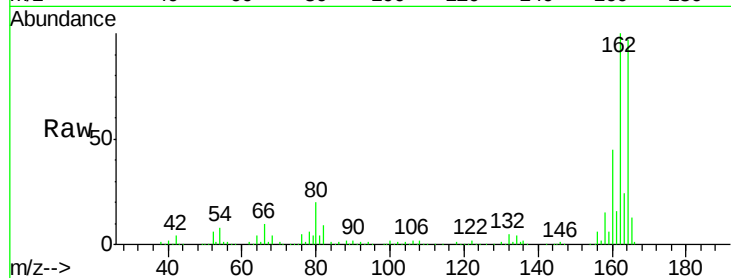




#50
 2,6-Dinitrotoluene
 Concen: 7.81 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.13 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

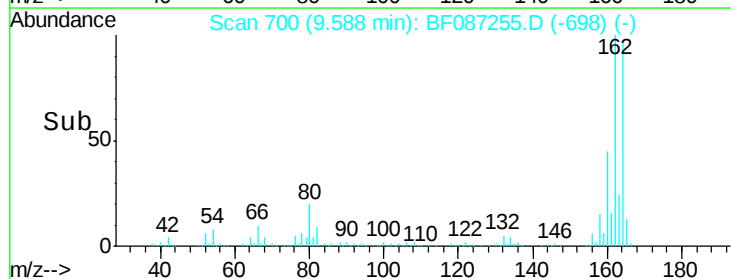
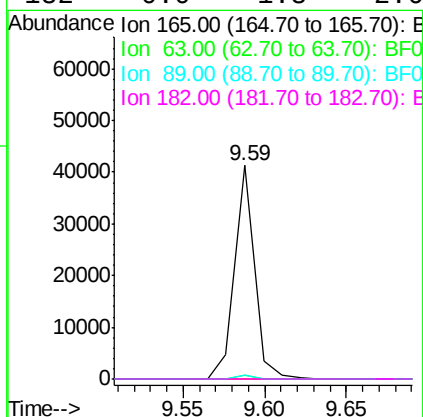
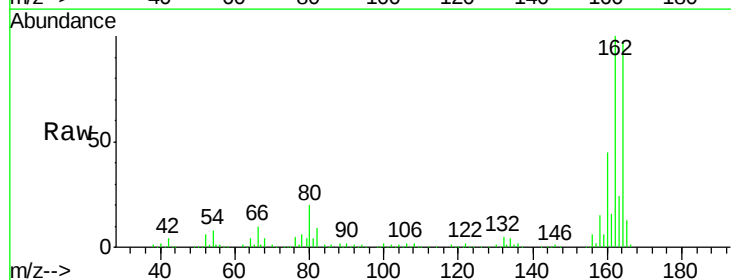
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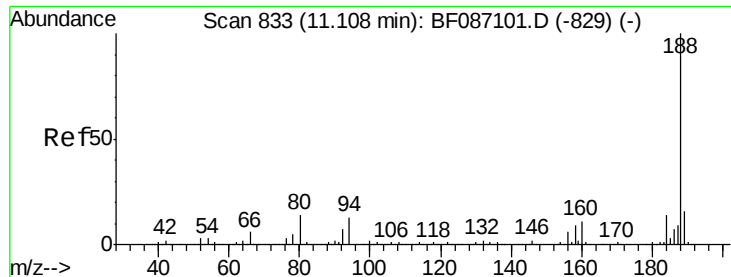
Tgt Ion:165 Resp: 34794
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 1.7 50.7 76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

Tgt Ion:165 Resp: 34794
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 1.7 70.0 105.0#
 182 0.0 1.8 2.6#

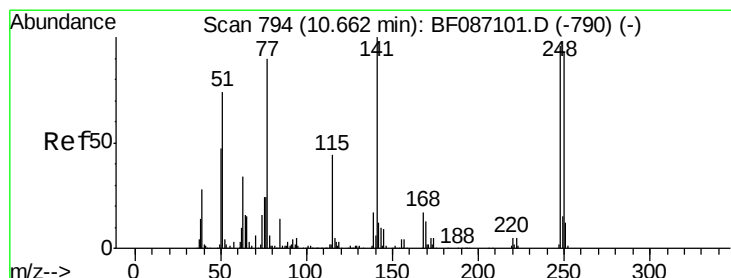
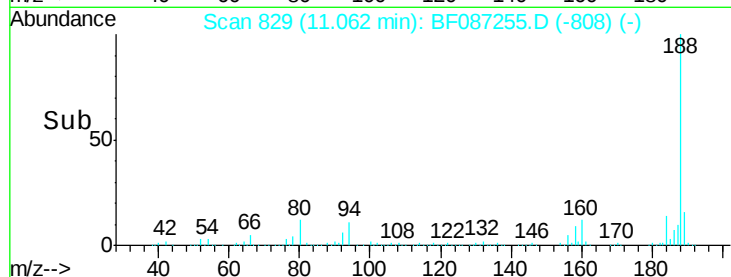
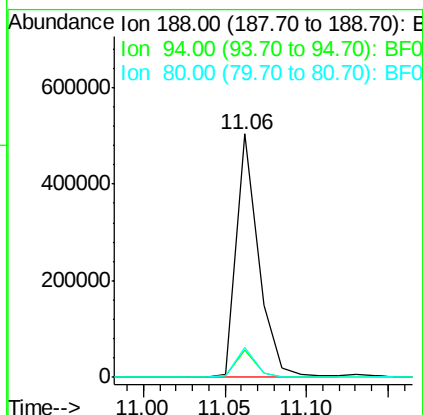
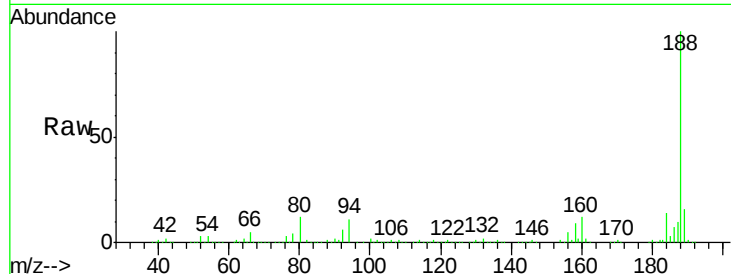




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

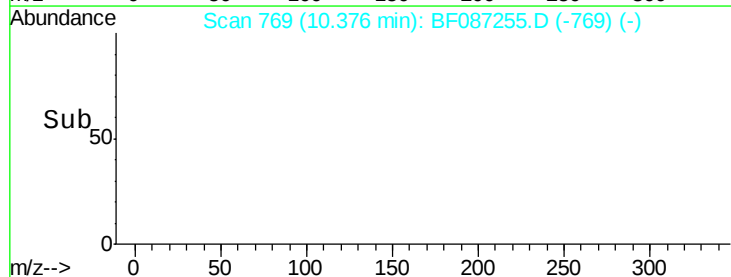
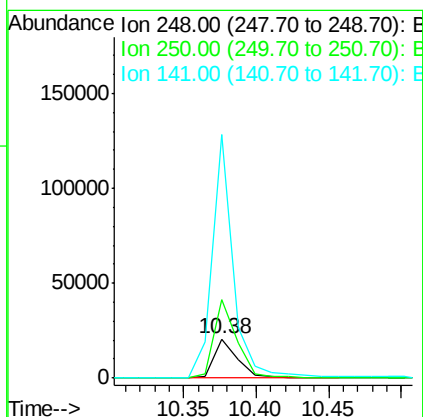
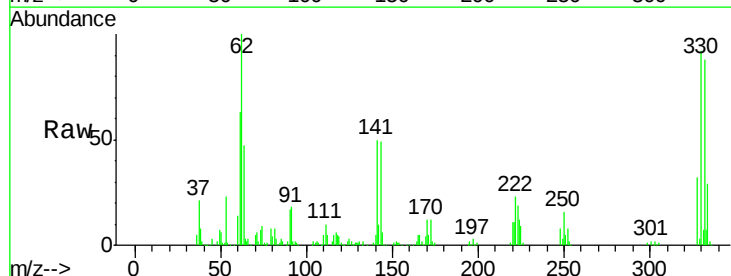
Instrument :
 BNA_F
 ClientSampleId :
 RAV-RMW-2

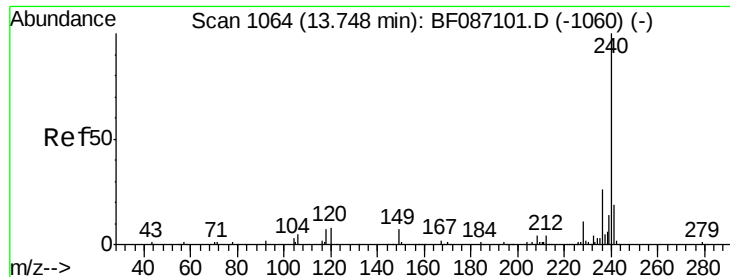
Tgt Ion:188 Resp: 476295
 Ion Ratio Lower Upper
 188 100
 94 11.5 6.8 10.2#
 80 12.4 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 4.75 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF087255.D
 Acq: 21 May 2016 6:42

Tgt Ion:248 Resp: 23253
 Ion Ratio Lower Upper
 248 100
 250 198.0 78.6 117.8#
 141 618.8 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: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

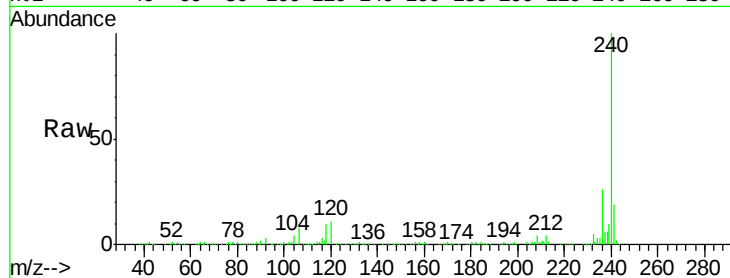
Tgt Ion:240 Resp: 363697

Ion Ratio Lower Upper

240 100

120 11.2 11.2 16.8#

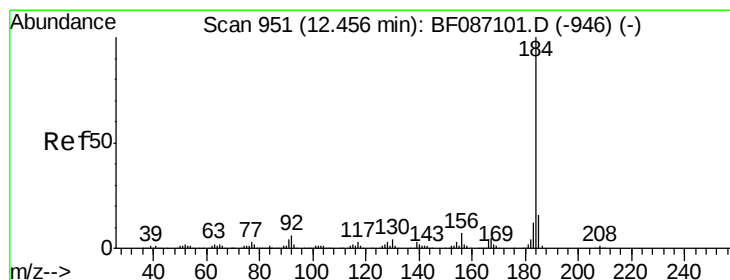
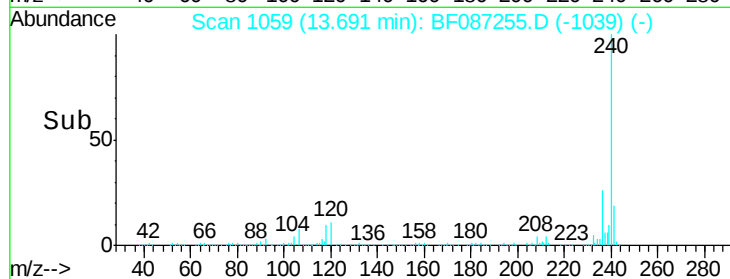
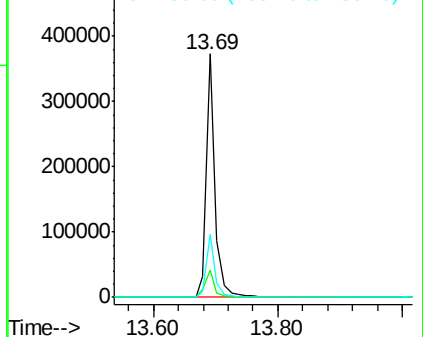
236 26.0 21.2 31.8



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



#76

Benzidine

Concen: 2.65 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

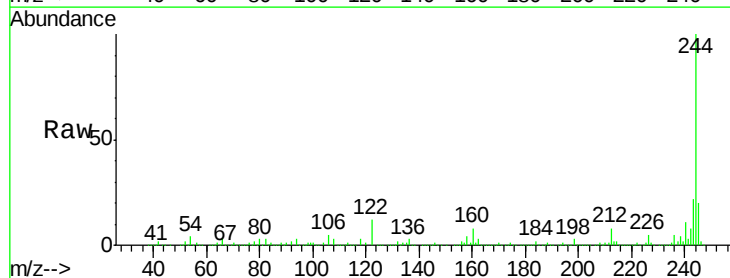
Tgt Ion:184 Resp: 23183

Ion Ratio Lower Upper

184 100

185 17.3 13.6 20.4

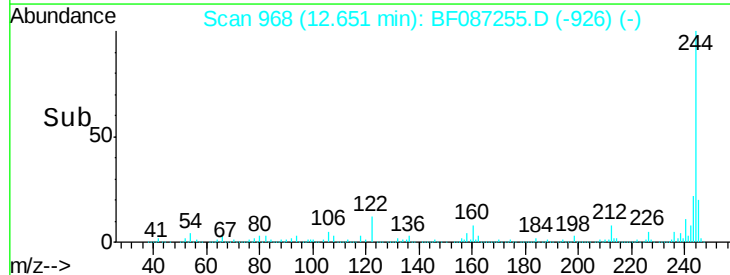
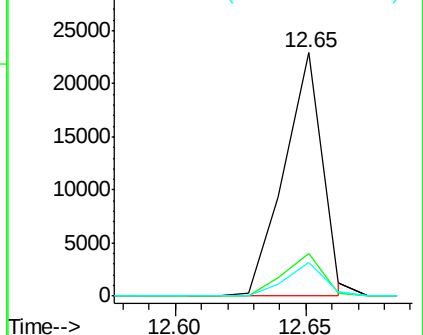
183 13.7 9.8 14.6

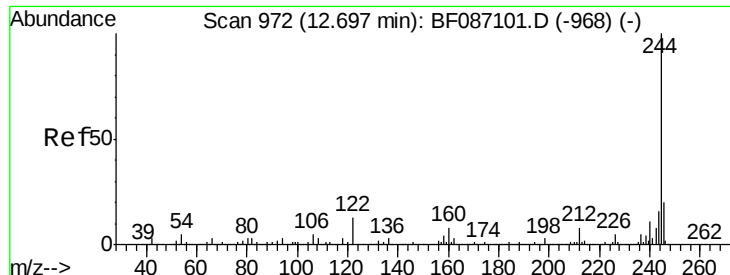


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.15 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087255.D

Acq: 21 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

RAV-RMW-2

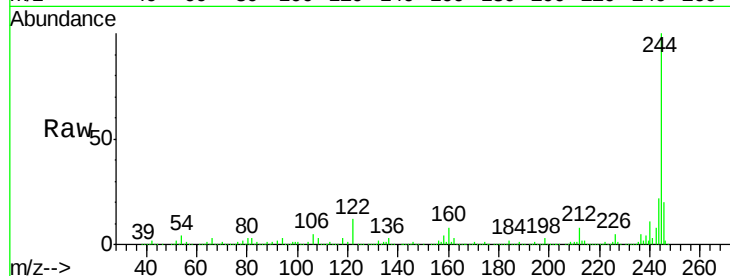
Tgt Ion:244 Resp: 1481621

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

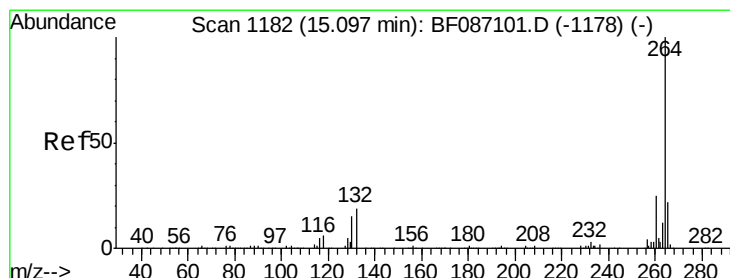
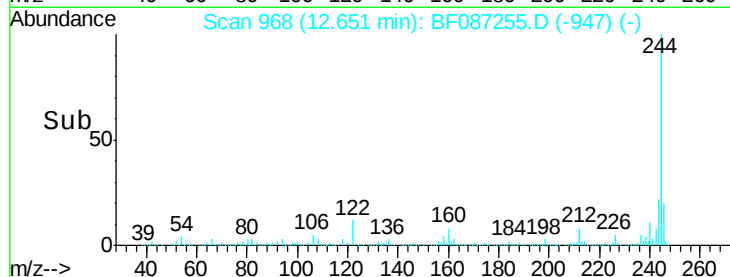
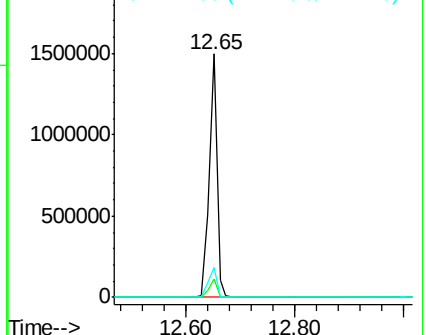
122 12.4 12.0 18.0



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: BF087255.D

Acq: 21 May 2016 6:42

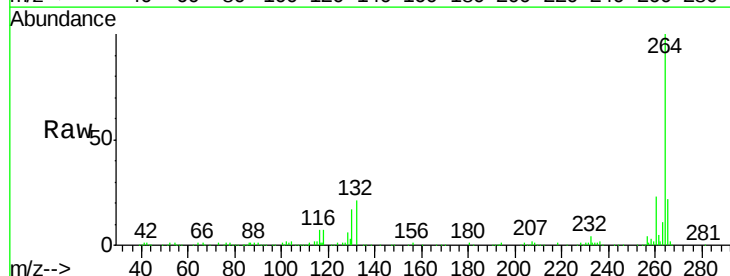
Tgt Ion:264 Resp: 258667

Ion Ratio Lower Upper

264 100

260 23.4 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

