

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087938.D
 Acq On : 12 Jun 2016 9:45
 Operator : UM/SJ
 Sample : H3504-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6

Quant Time: Jun 13 01:14:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	120228	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	505317	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	229457	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	434858	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	312261	20.00	ng	-0.03
86) Perylene-d12	15.37	264	246743	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	522195	74.25	ng	-0.03
7) Phenol-d6	6.43	99	447106	52.46	ng	-0.05
23) Nitrobenzene-d5	7.37	82	743224	85.89	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	312712	129.07	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1446428	100.00	ng	-0.03
78) Terphenyl-d14	12.91	244	1042271	75.95	ng	-0.03

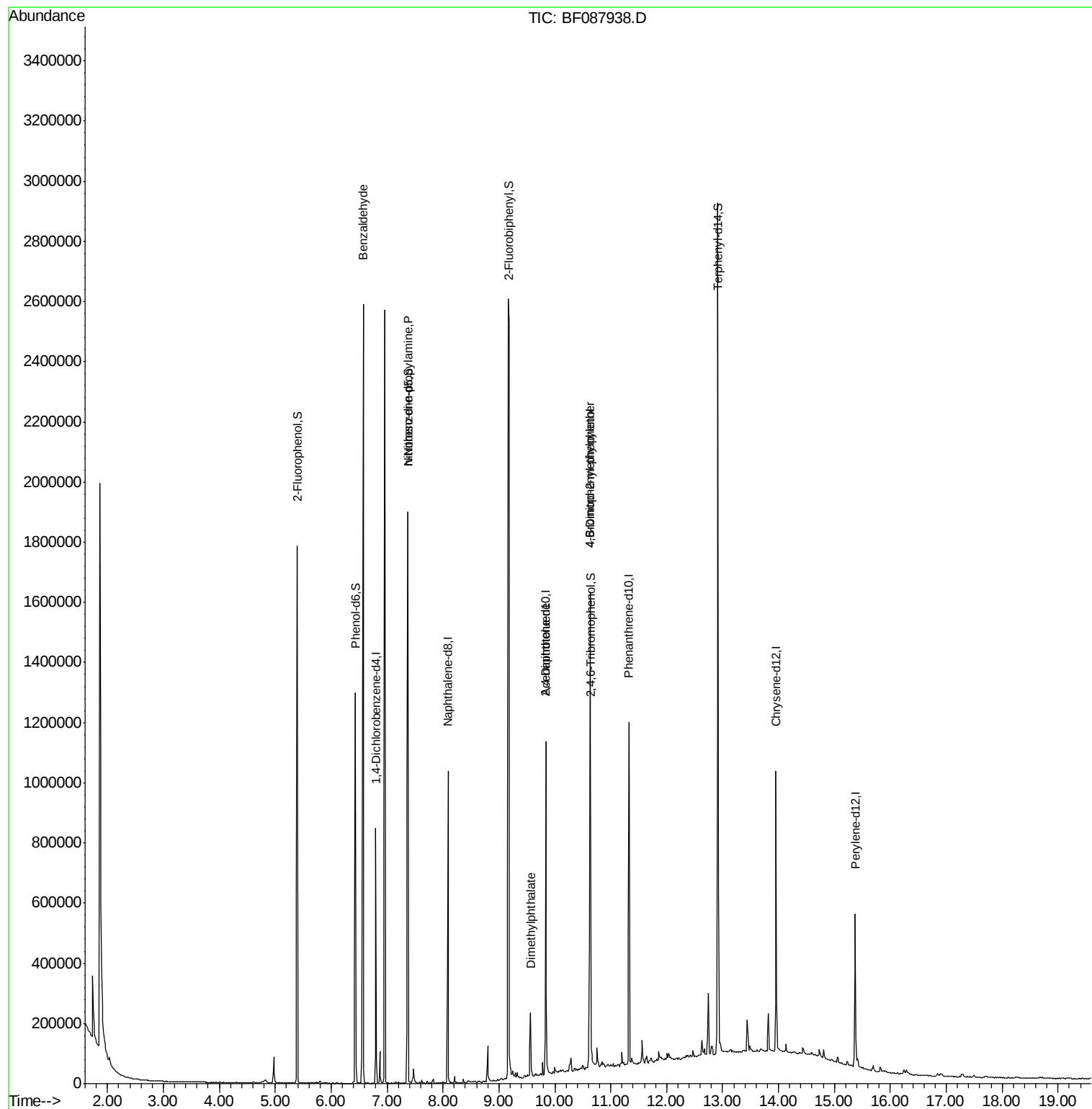
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	18629	3.02	ng	# 72
10) Phenol	6.44	94	2698	Below	Cal	84
19) n-Nitroso-di-n-propylamine	7.37	70	100062	18.35	ng	# 72
45) 1,1'-Biphenyl	9.16	154	2804	Below	Cal	# 1
49) Dimethylphthalate	9.56	163	109839	6.61	ng	98
56) 2,4-Dinitrotoluene	9.84	165	29070	5.94	ng	# 38
57) Fluorene	10.63	166	13628	Below	Cal	# 90
64) 4,6-Dinitro-2-methylphenol	10.63	198	629	2.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	18913	4.05	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: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

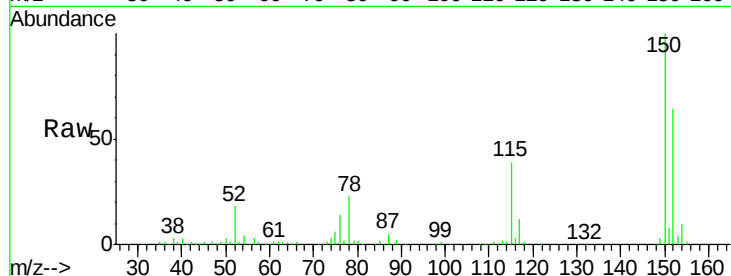
Tgt Ion:152 Resp: 120228

Ion Ratio Lower Upper

152 100

150 155.6 123.8 185.6

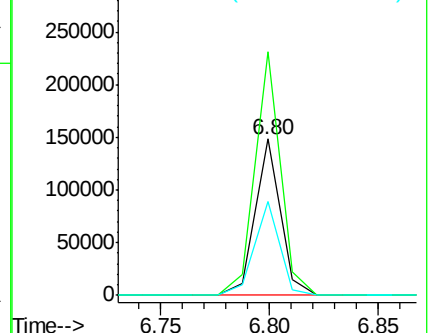
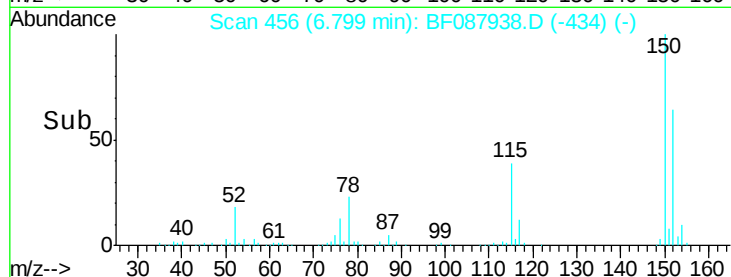
115 60.2 39.6 59.4#



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: 74.25 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

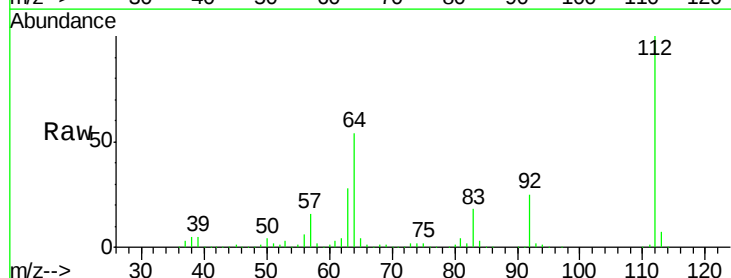
Tgt Ion:112 Resp: 522195

Ion Ratio Lower Upper

112 100

64 54.3 42.2 63.2

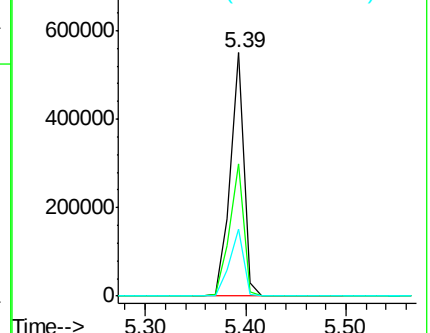
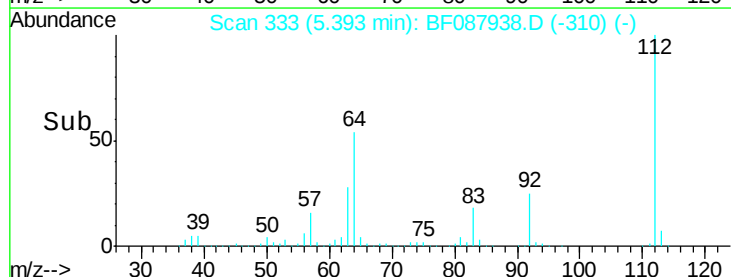
63 27.8 21.8 32.8



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: 52.46 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

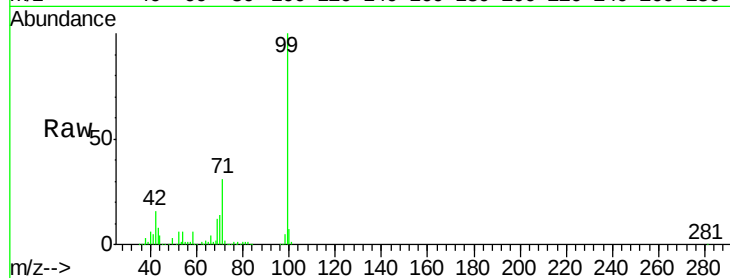
Tgt Ion: 99 Resp: 447106

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

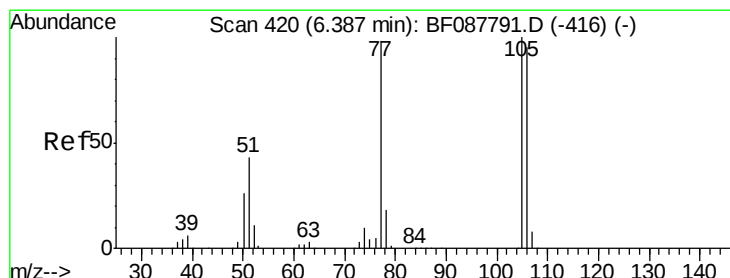
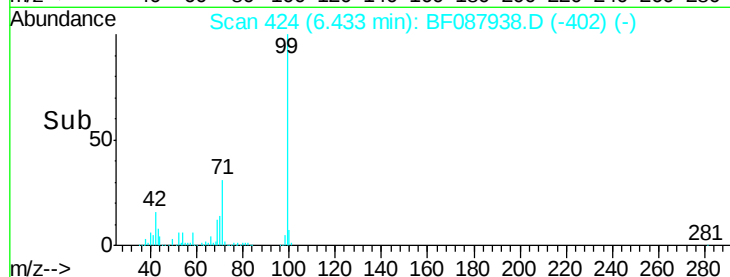
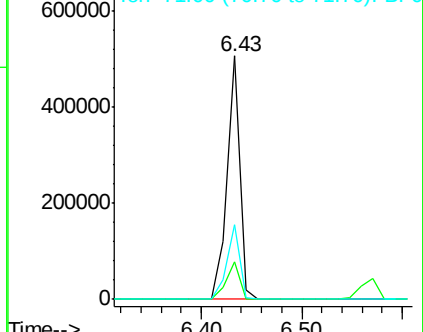
71 30.8 23.4 35.0



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: 3.02 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

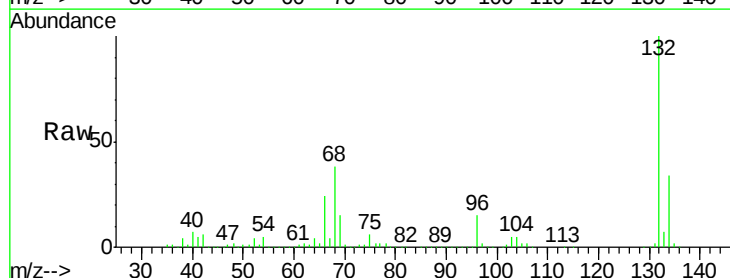
Tgt Ion: 77 Resp: 18629

Ion Ratio Lower Upper

77 100

105 82.6 90.6 130.6#

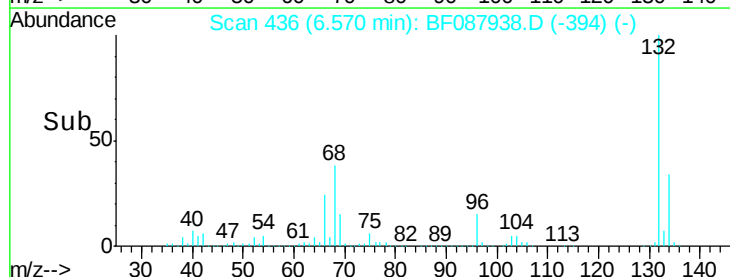
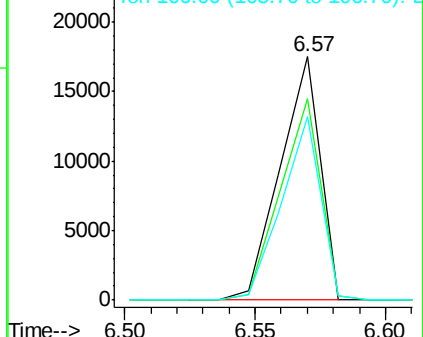
106 75.4 85.3 125.3#

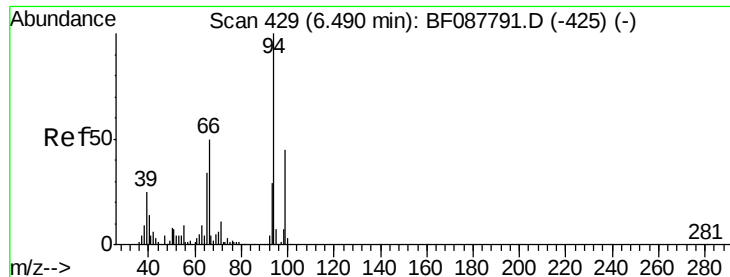


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

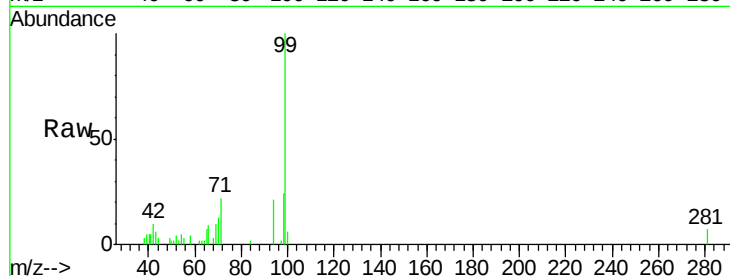
Tgt Ion: 94 Resp: 2698

Ion Ratio Lower Upper

94 100

65 32.0 5.9 45.9

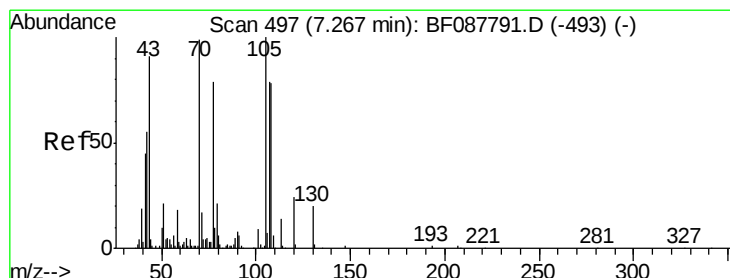
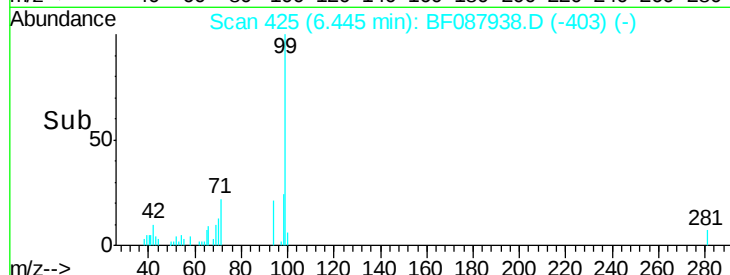
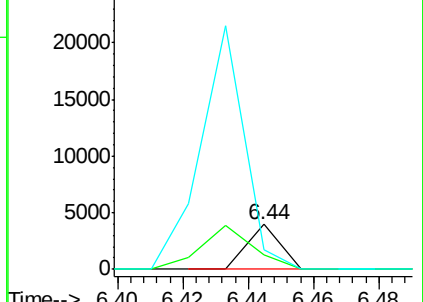
66 44.6 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.35 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Tgt Ion: 70 Resp: 100062

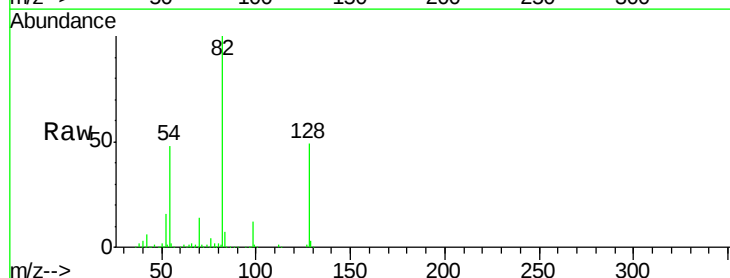
Ion Ratio Lower Upper

70 100

42 41.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

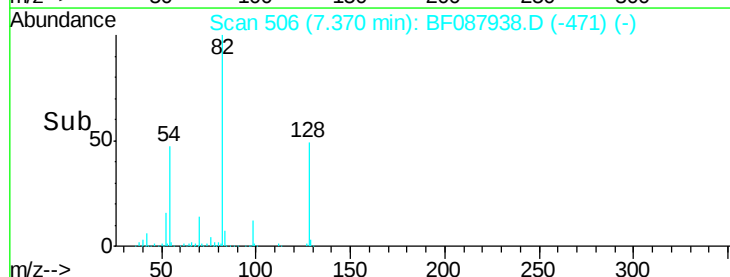
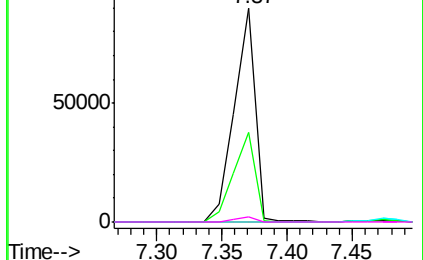


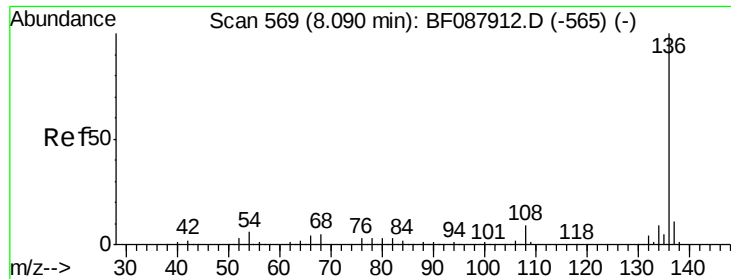
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

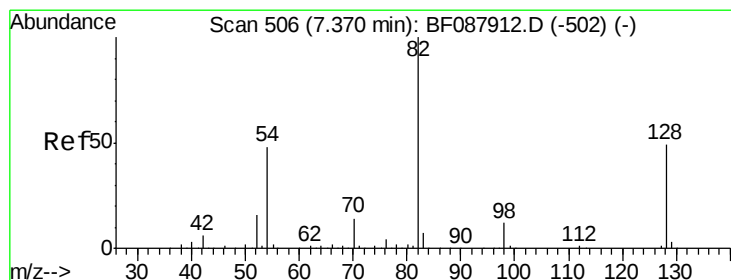
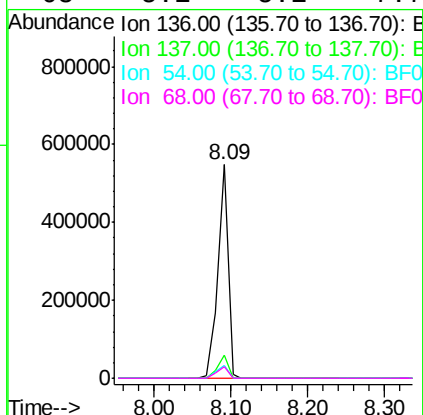
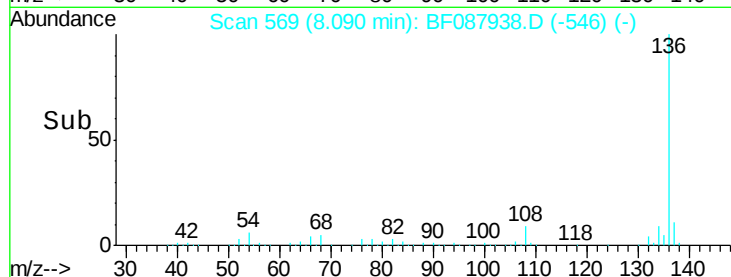
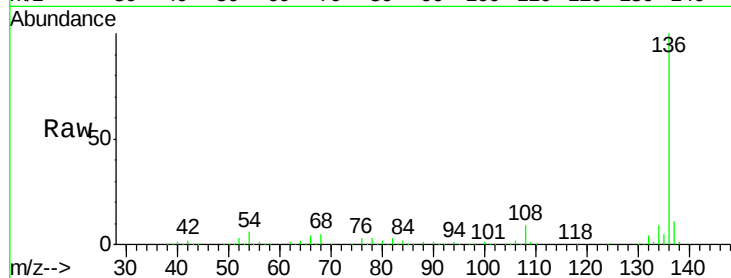




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087938.D
Acq: 12 Jun 2016 9:45

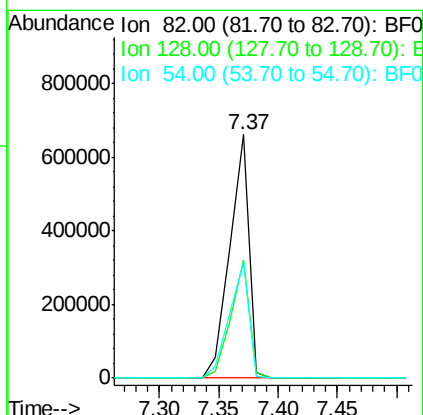
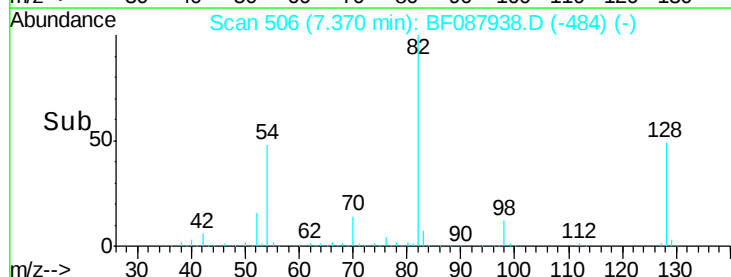
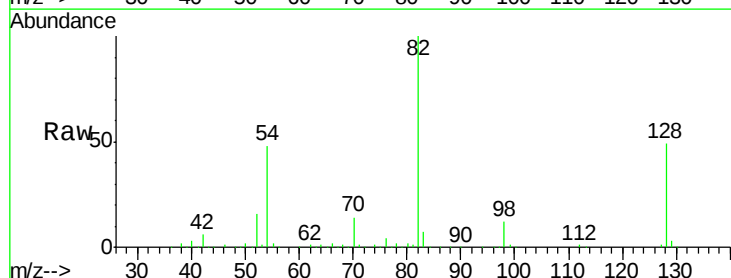
Instrument :
BNA_F
ClientSampleId :
MW-6

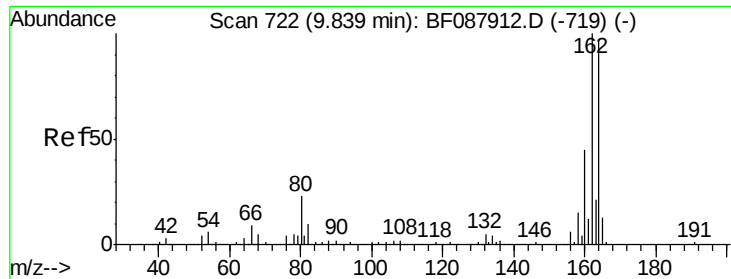
Tgt Ion:	136	Resp:	505317
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.0	6.6	10.0#
68	5.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 85.89 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087938.D
Acq: 12 Jun 2016 9:45

Tgt Ion:	82	Resp:	743224
Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	47.5	40.9	61.3

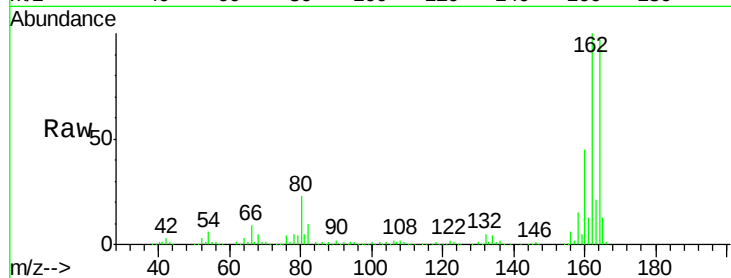




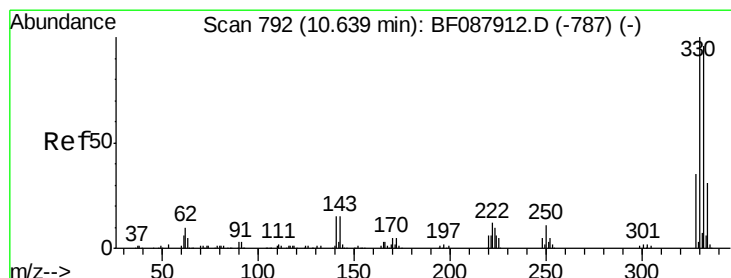
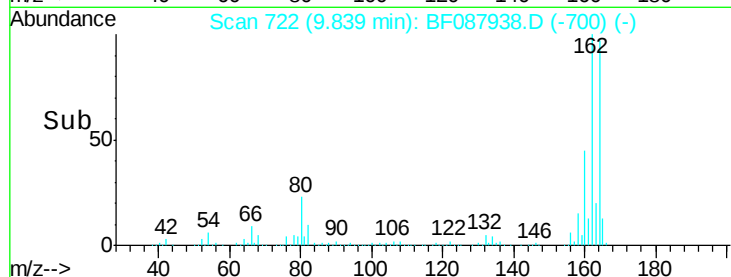
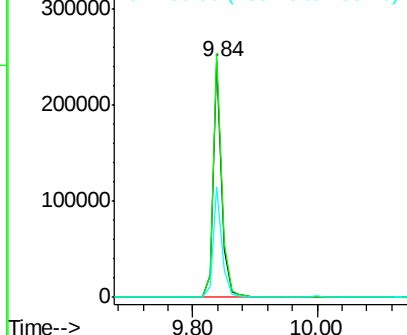
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.05 min
Lab File: BF087938.D
Acq: 12 Jun 2016 9:45

Instrument :
BNA_F
ClientSampleId :
MW-6

Tgt Ion:164 Resp: 229457
Ion Ratio Lower Upper
164 100
162 103.4 85.4 128.2
160 46.8 39.5 59.3

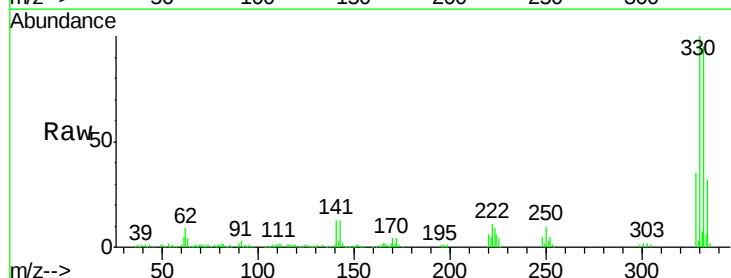


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

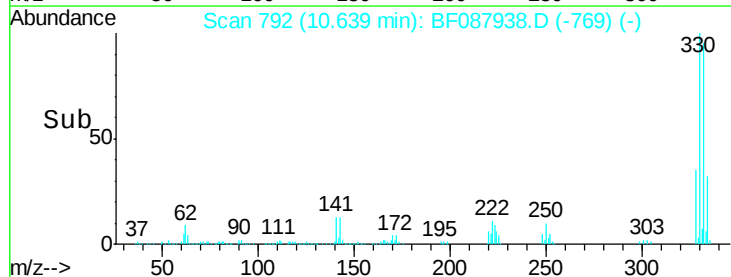
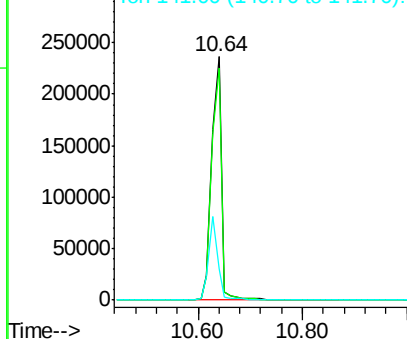


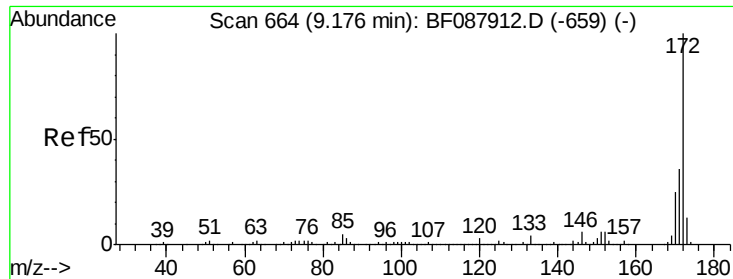
#41
2,4,6-Tribromophenol
Concen: 129.07 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF087938.D
Acq: 12 Jun 2016 9:45

Tgt Ion:330 Resp: 312712
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 32.1 0.0 0.0#



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

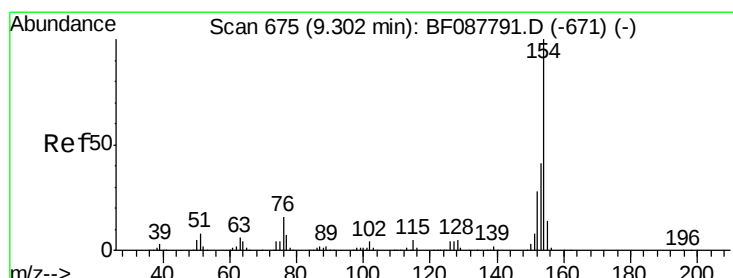
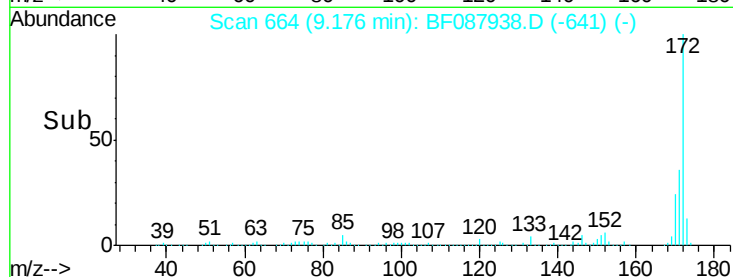
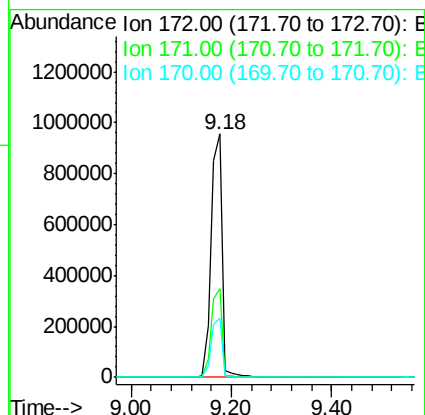
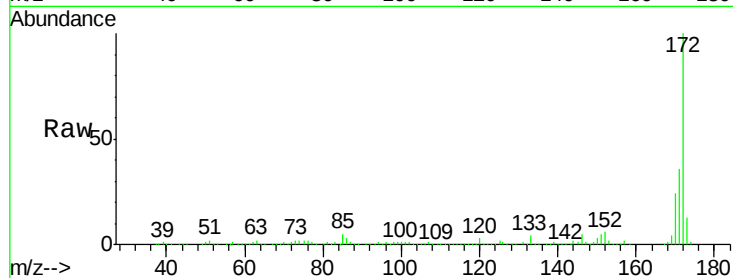




#44
 2-Fluorobiphenyl
 Concen: 100.00 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087938.D
 Acq: 12 Jun 2016 9:45

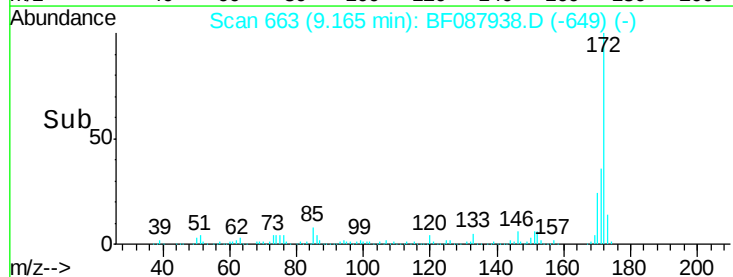
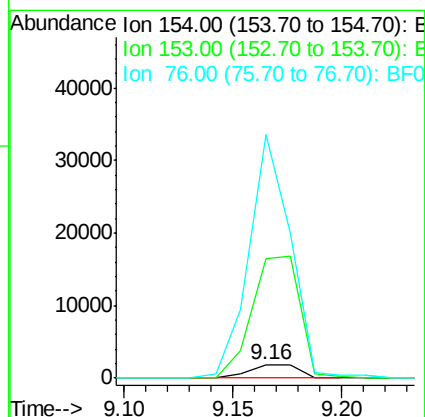
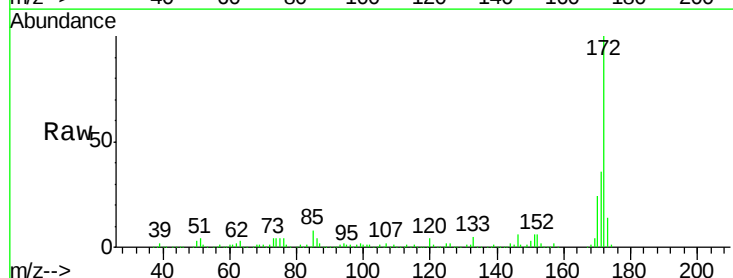
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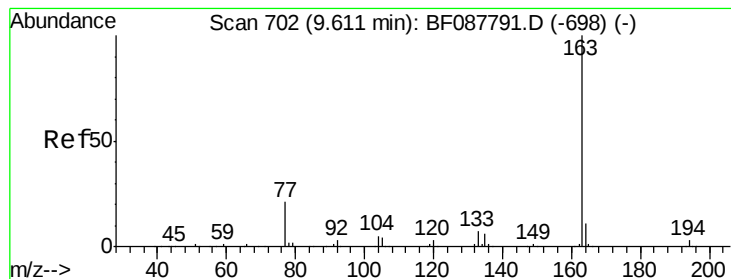
Tgt Ion:172 Resp: 1446428
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087938.D
 Acq: 12 Jun 2016 9:45

Tgt Ion:154 Resp: 2804
 Ion Ratio Lower Upper
 154 100
 153 896.4 20.6 60.6#
 76 1821.5 0.0 35.1#





#49

Dimethylphthalate

Concen: 6.61 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

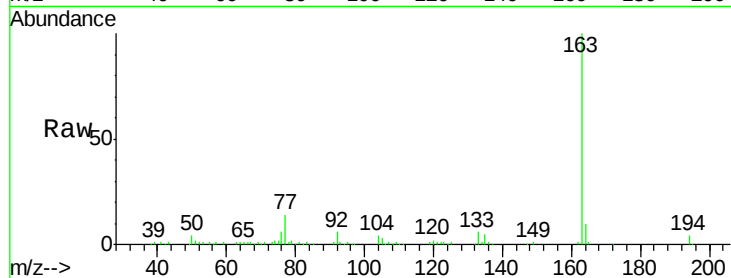
Tgt Ion:163 Resp: 109839

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

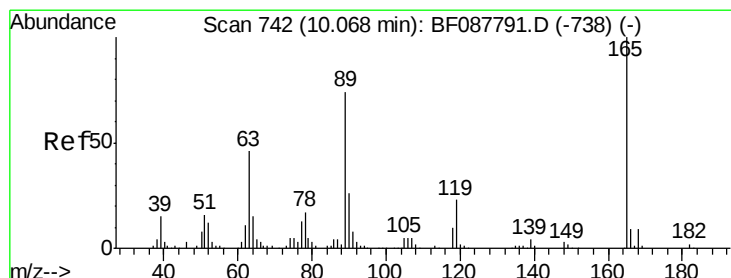
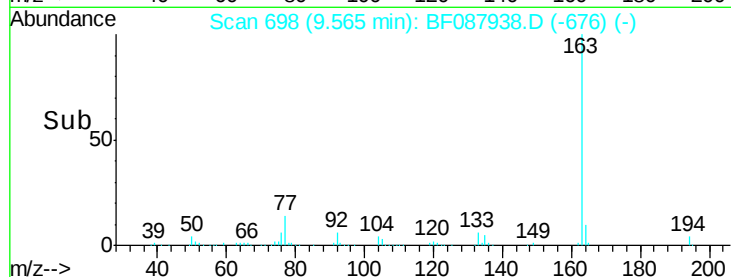
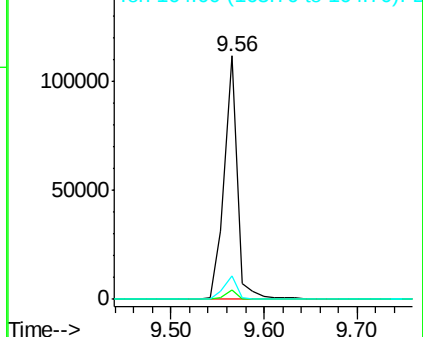
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.23 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Tgt Ion:165 Resp: 29070

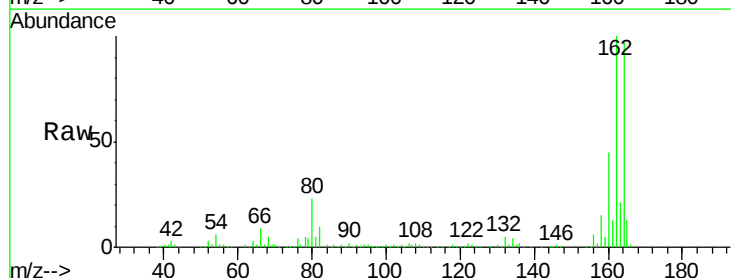
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

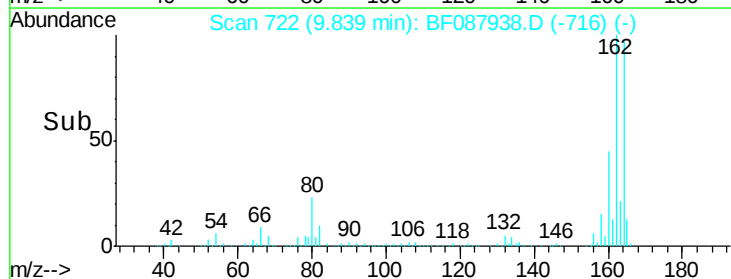
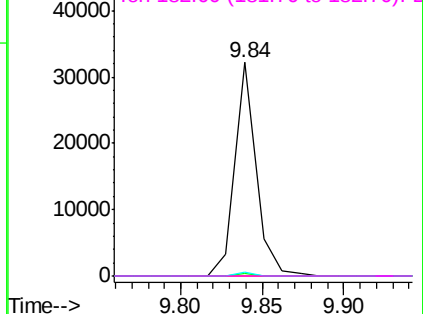


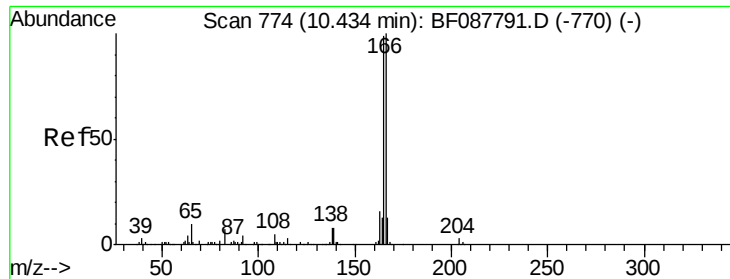
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

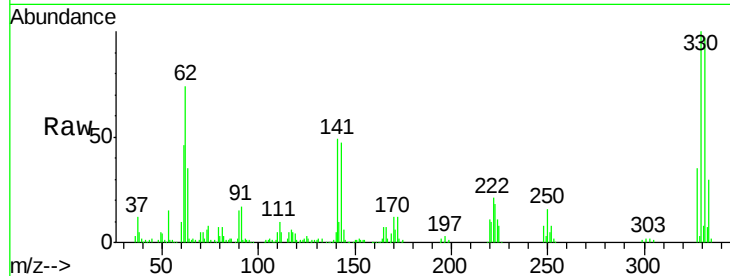
Tgt Ion:166 Resp: 13628

Ion Ratio Lower Upper

166 100

165 101.3 77.8 116.8

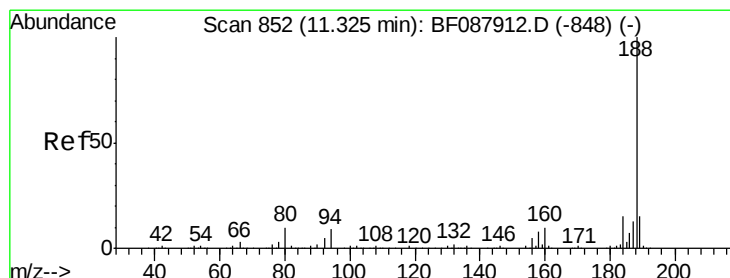
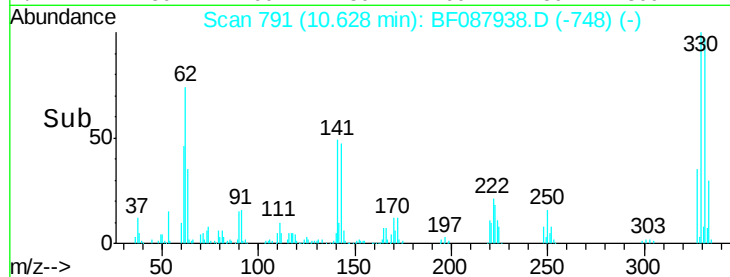
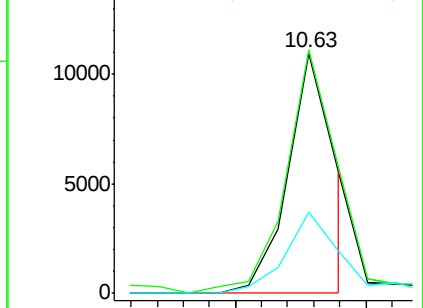
167 33.6 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

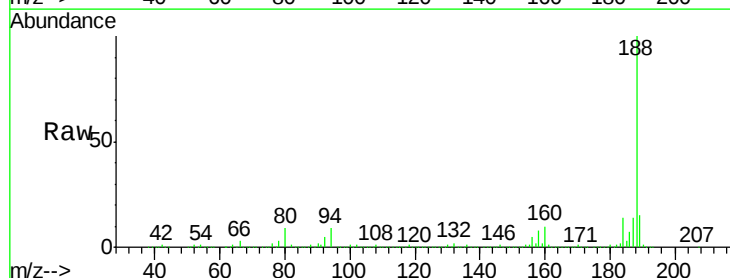
Tgt Ion:188 Resp: 434858

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.6#

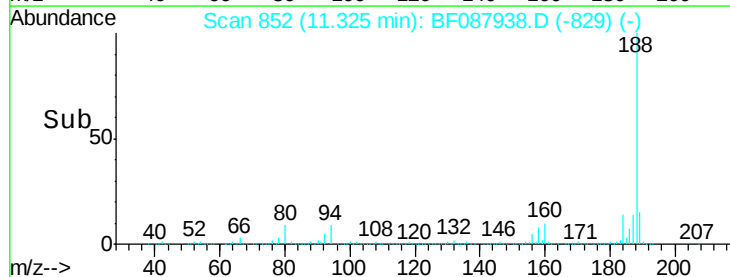
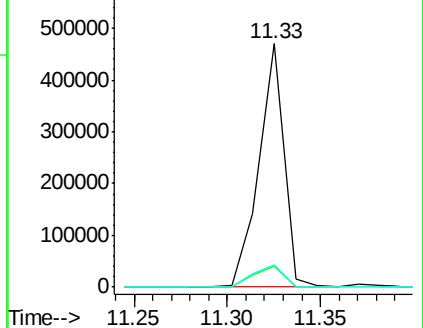
80 8.9 10.0 15.0#

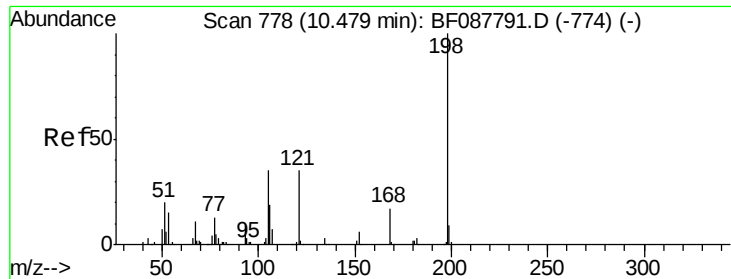


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.38 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

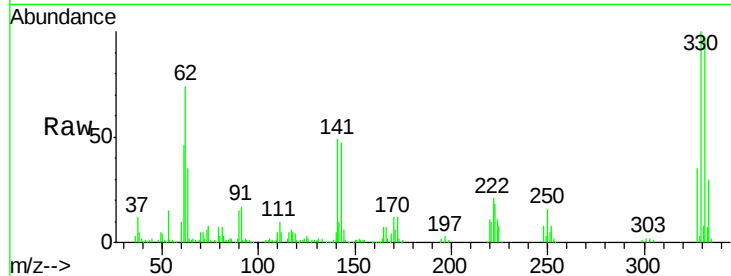
Tgt Ion:198 Resp: 629

Ion Ratio Lower Upper

198 100

51 206.3 39.6 79.6#

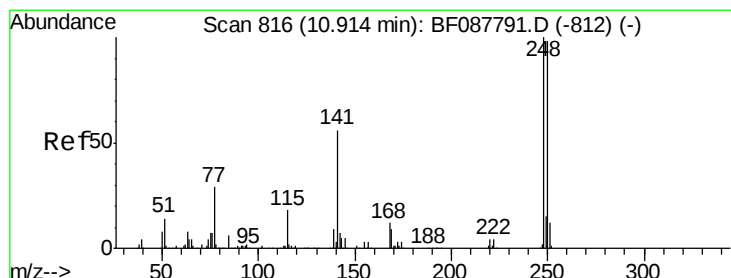
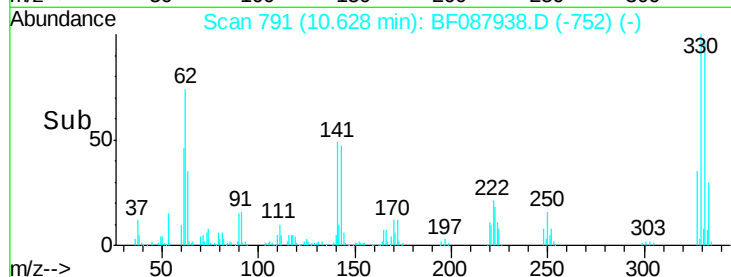
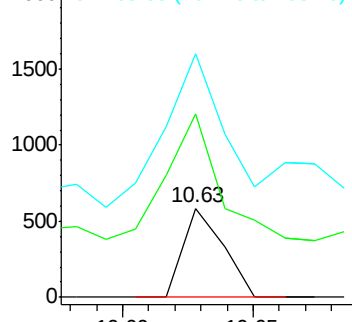
105 273.5 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.05 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

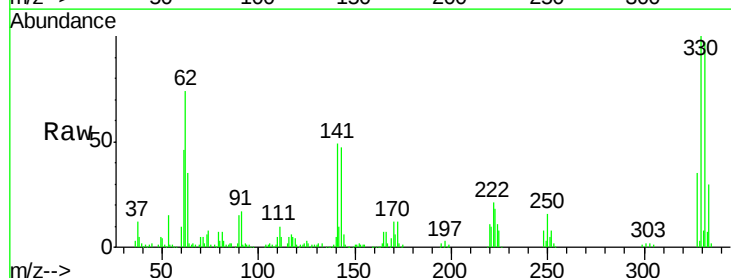
Tgt Ion:248 Resp: 18913

Ion Ratio Lower Upper

248 100

250 198.2 77.1 115.7#

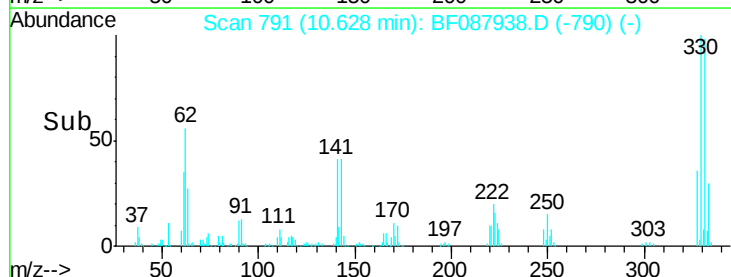
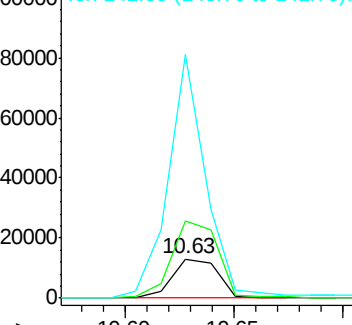
141 622.9 50.6 76.0#

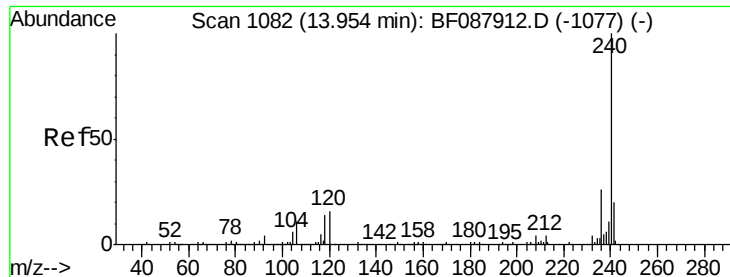


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

Instrument :

BNA_F

ClientSampleId :

MW-6

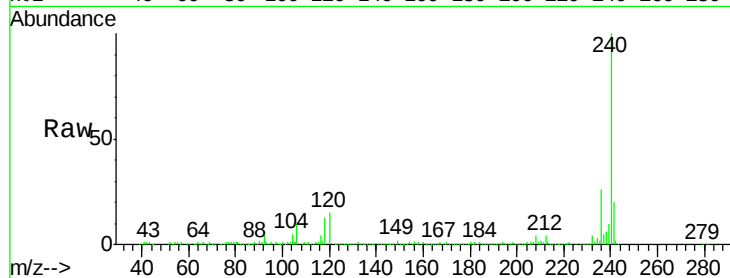
Tgt Ion:240 Resp: 312261

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

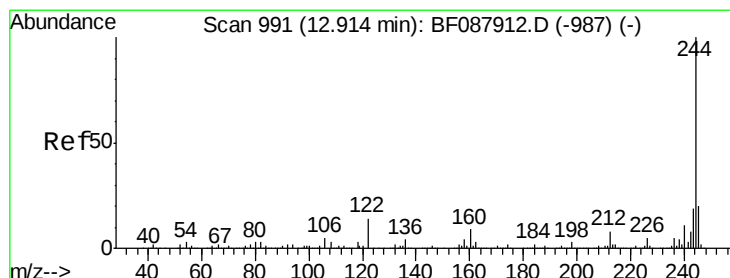
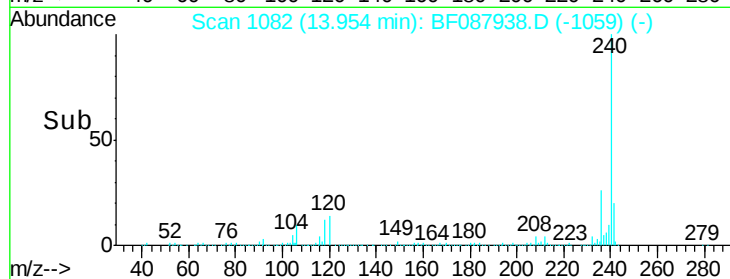
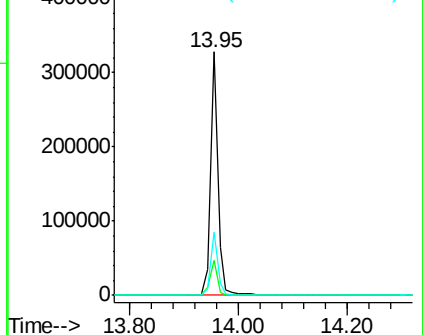
236 25.7 20.2 30.2



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: 75.95 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087938.D

Acq: 12 Jun 2016 9:45

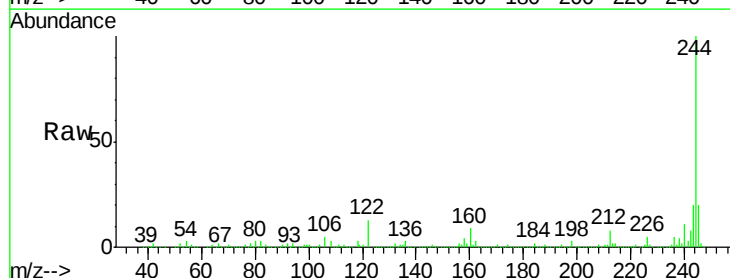
Tgt Ion:244 Resp: 1042271

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

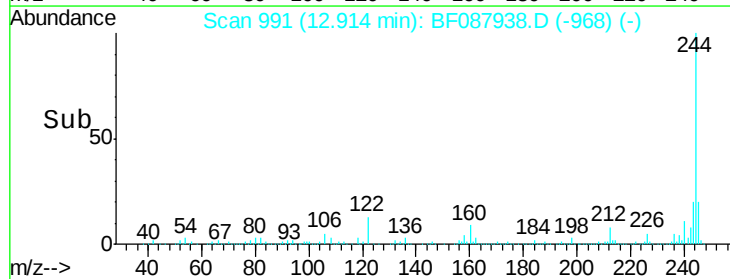
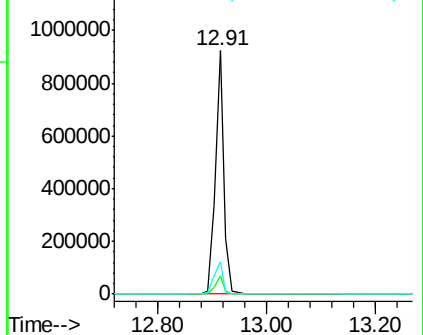
122 13.3 11.2 16.8

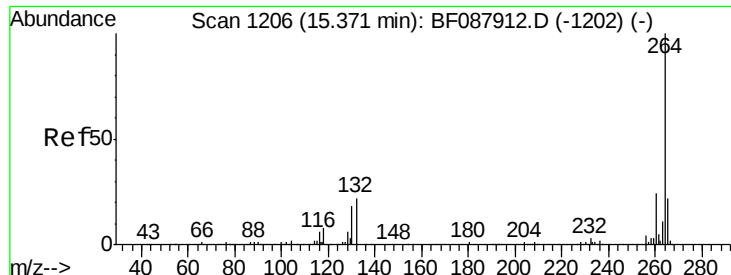


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

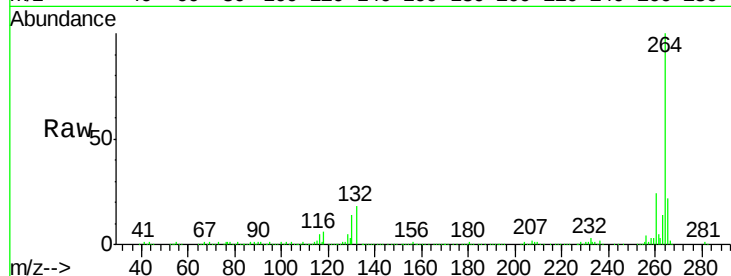




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087938.D
Acq: 12 Jun 2016 9:45

Instrument :
BNA_F
ClientSampleId :
MW-6

Tgt Ion: 264 Resp: 246743
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.6 16.9 25.3



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

