

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052216\
 Data File : BF087298.D
 Acq On : 22 May 2016 18:44
 Operator : UM/SJ
 Sample : H3172-15
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: May 23 03:39:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 23 01:56:40 2016
 Response via : Initial Calibration

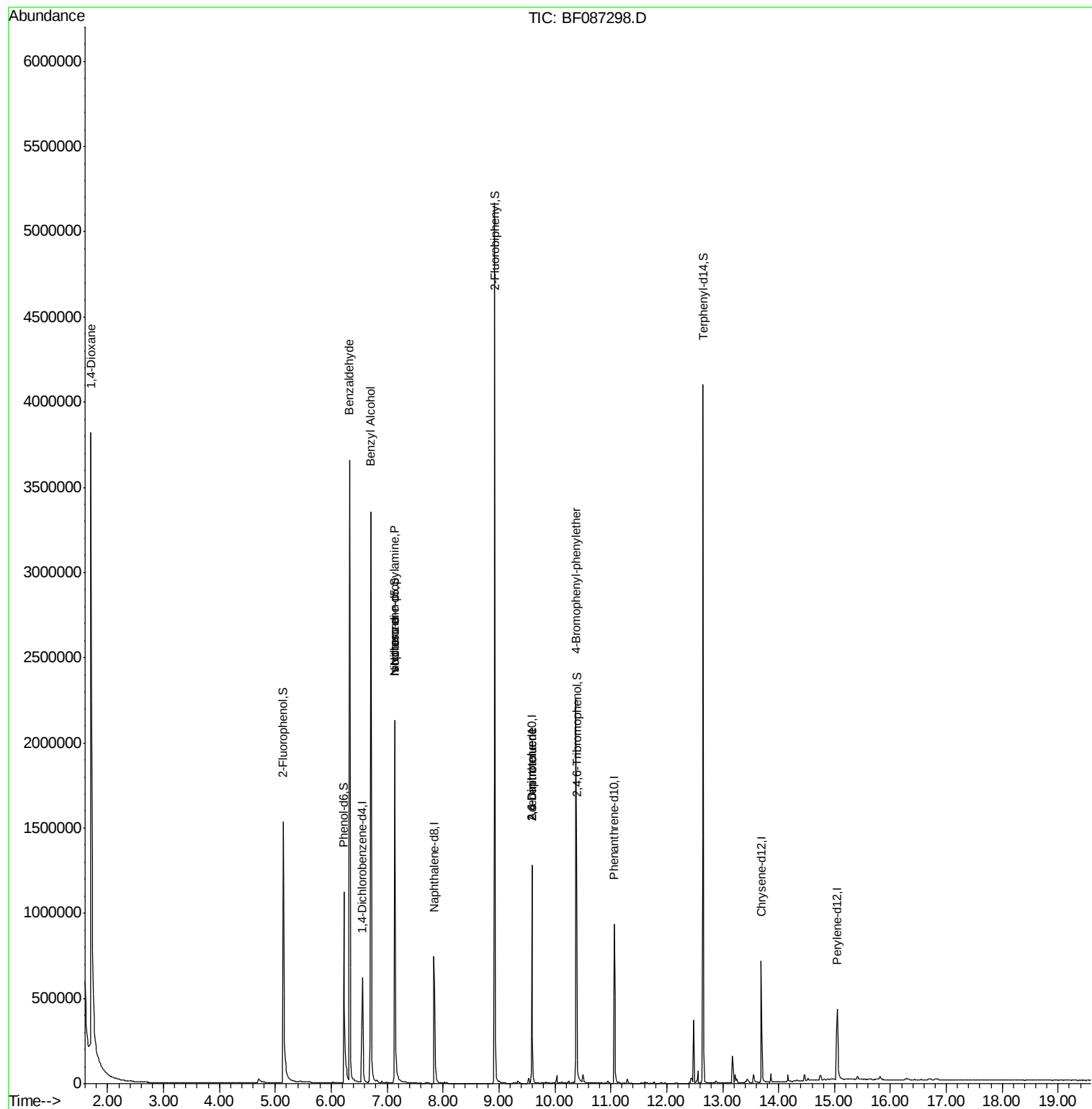
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	113418	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	486161	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	235362	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	407345	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	279354	20.00	ng	-0.01
86) Perylene-d12	15.05	264	227580	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	504827	74.81	ng	0.01
7) Phenol-d6	6.23	99	435200	48.09	ng	0.00
23) Nitrobenzene-d5	7.13	82	929428	95.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.39	330	334608	128.65	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1555699	109.47	ng	0.00
78) Terphenyl-d14	12.65	244	1232565	99.81	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.70	88	150875	43.47	ng	# 22
9) Benzaldehyde	6.33	77	25443	3.91	ng	# 81
15) Benzyl Alcohol	6.71	79	15746	2.34	ng	# 42
19) n-Nitroso-di-n-propylamine	7.13	70	126714	18.42	ng	# 69
25) Isophorone	7.13	82	930767	52.12	ng	# 68
50) 2,6-Dinitrotoluene	9.59	165	29665	7.61	ng	# 21
56) 2,4-Dinitrotoluene	9.59	165	29665	5.94	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	20458	4.88	ng	# 1

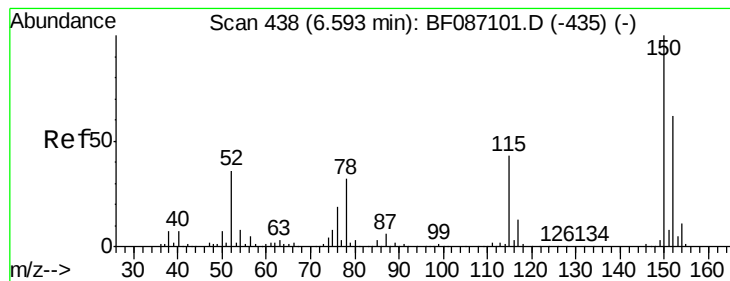
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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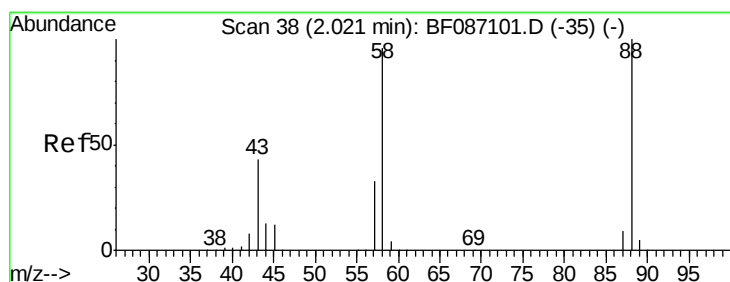
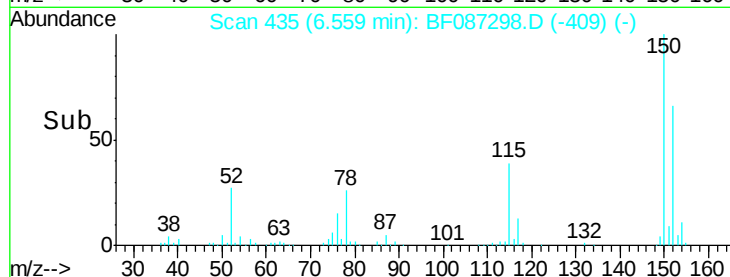
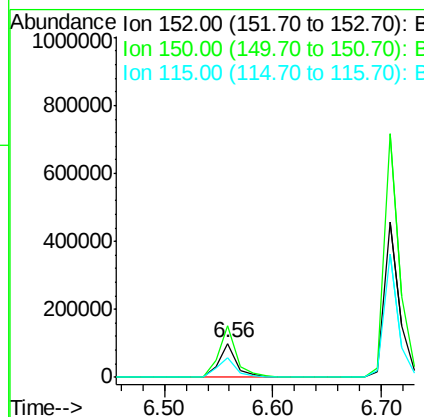
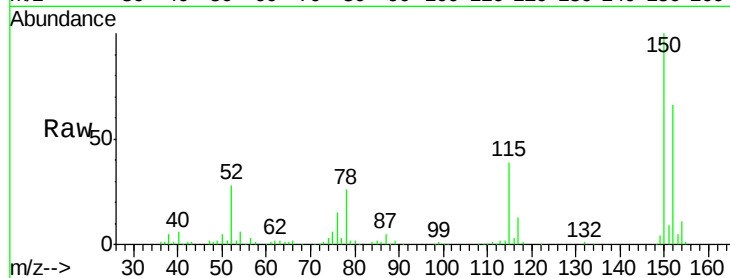


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF087298.D
Acq: 22 May 2016 18:44

Instrument :
BNA_F
ClientSampleId :
MW-12

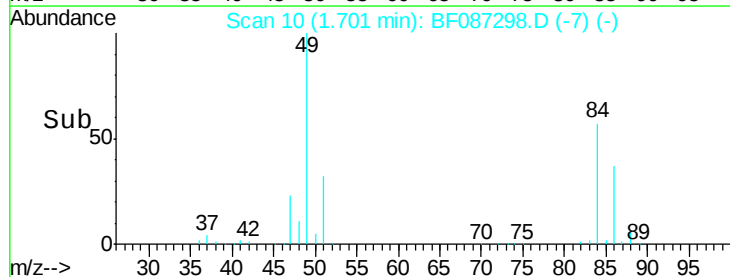
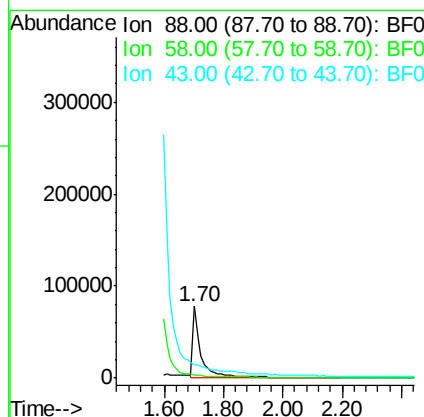
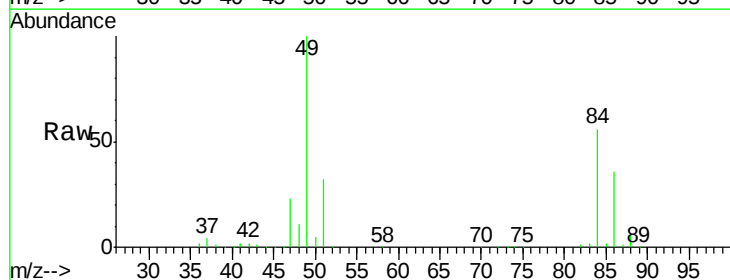
Tgt Ion:152 Resp: 113418
Ion Ratio Lower Upper
152 100
150 151.3 125.8 188.6
115 58.8 51.5 77.3

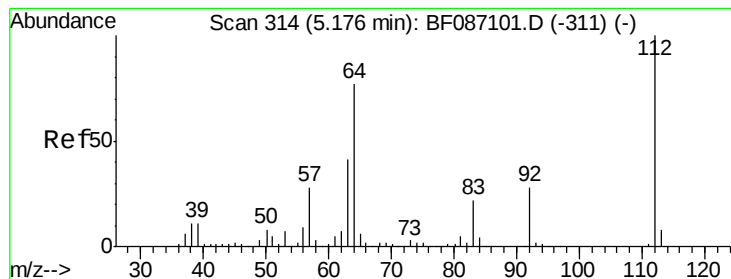


#2

1,4-Dioxane
Concen: 43.47 ng
RT: 1.70 min Scan# 10
Delta R.T. -0.26 min
Lab File: BF087298.D
Acq: 22 May 2016 18:44

Tgt Ion: 88 Resp: 150875
Ion Ratio Lower Upper
88 100
58 0.0 59.6 89.4#
43 0.0 21.8 32.6#





#5

2-Fluorophenol

Concen: 74.81 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.01 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

Instrument :

BNA_F

ClientSampleId :

MW-12

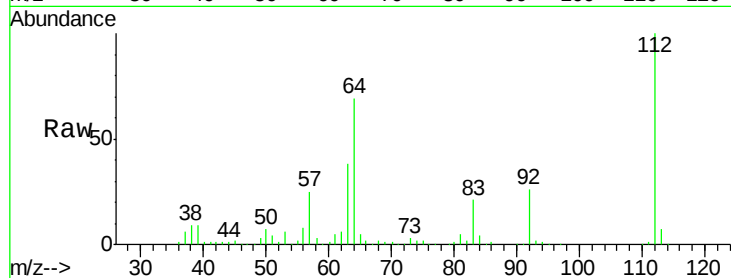
Tgt Ion: 112 Resp: 504827

Ion Ratio Lower Upper

112 100

64 68.7 52.1 78.1

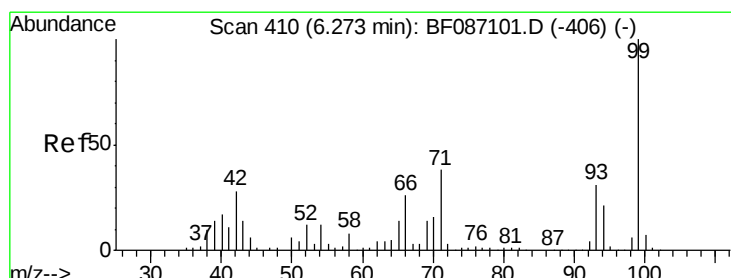
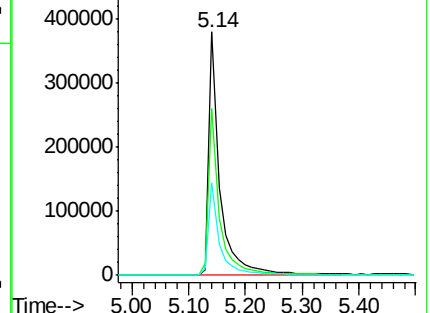
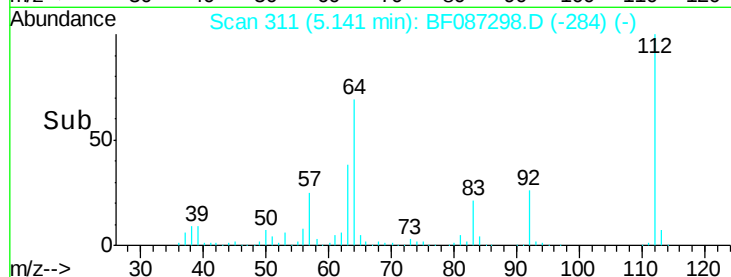
63 38.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 48.09 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

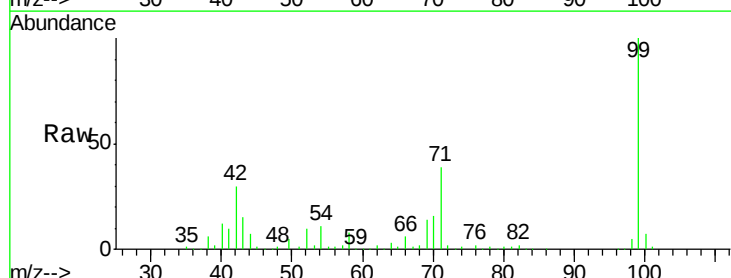
Tgt Ion: 99 Resp: 435200

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

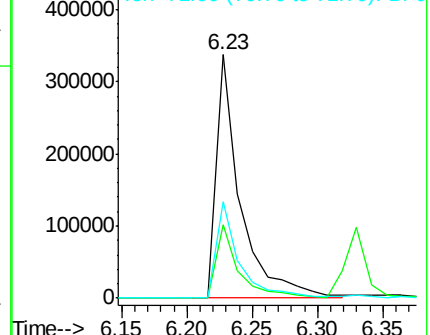
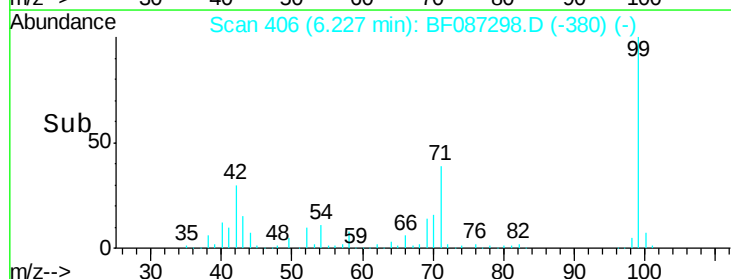
71 39.4 24.6 36.8#

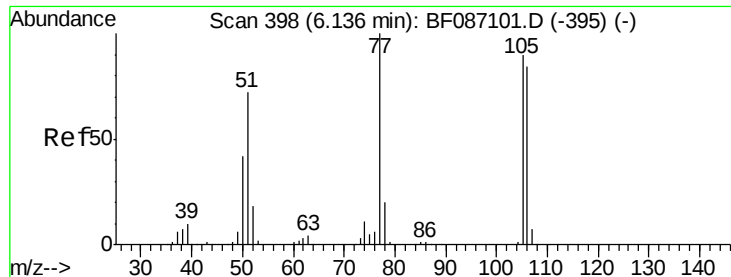


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.91 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

Instrument :

BNA_F

ClientSampleId :

MW-12

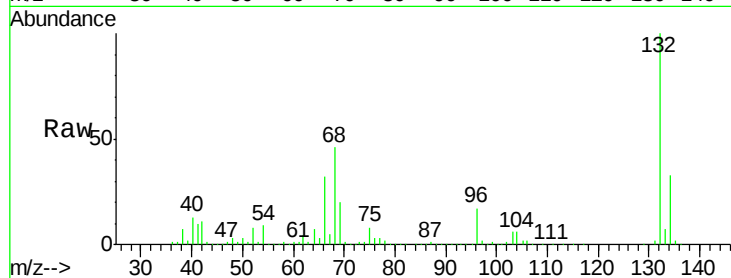
Tgt Ion: 77 Resp: 25443

Ion Ratio Lower Upper

77 100

105 79.2 72.7 112.7

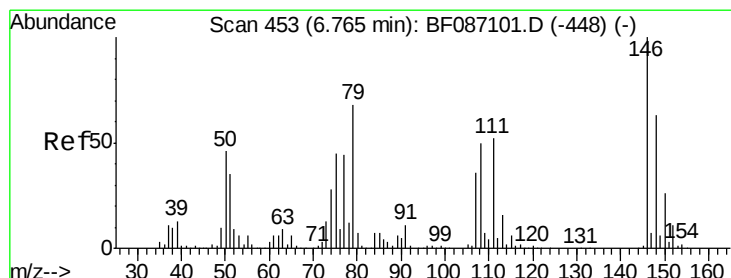
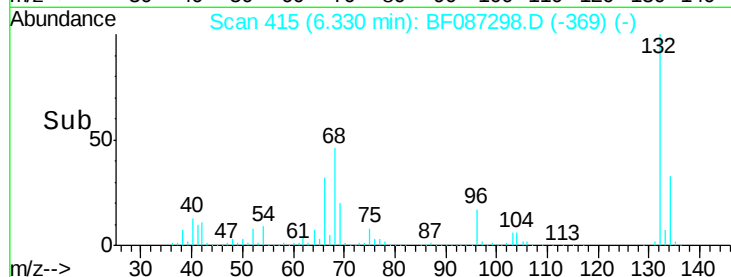
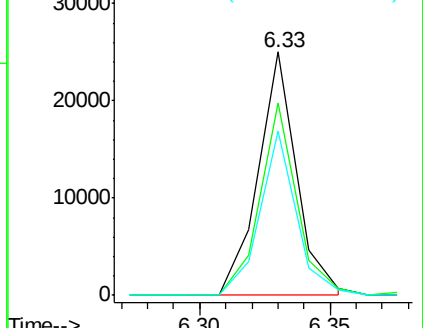
106 67.4 70.8 110.8#



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: 2.34 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

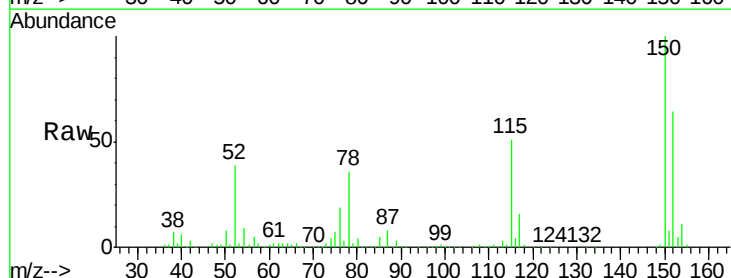
Tgt Ion: 79 Resp: 15746

Ion Ratio Lower Upper

79 100

108 30.8 68.4 102.6#

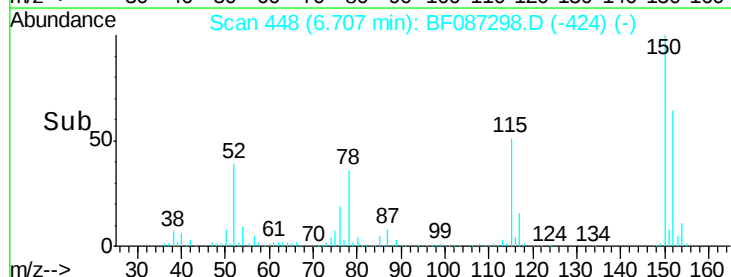
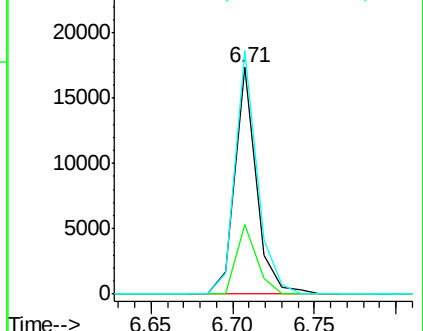
77 107.3 50.6 76.0#

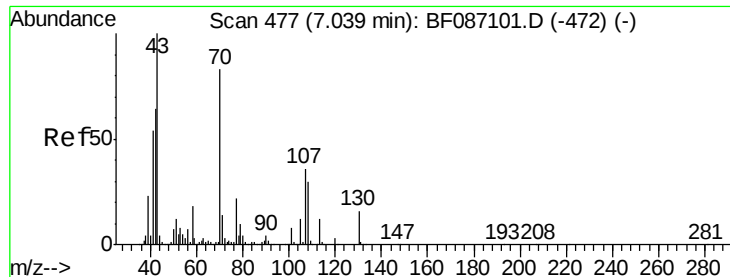


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

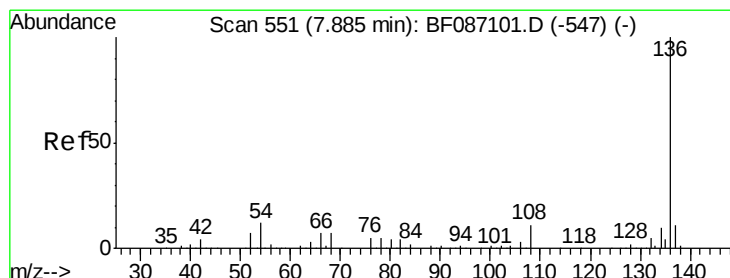
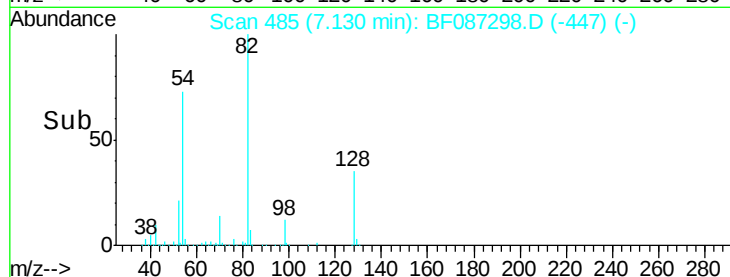
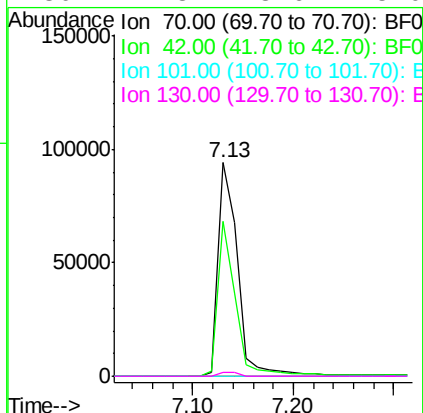
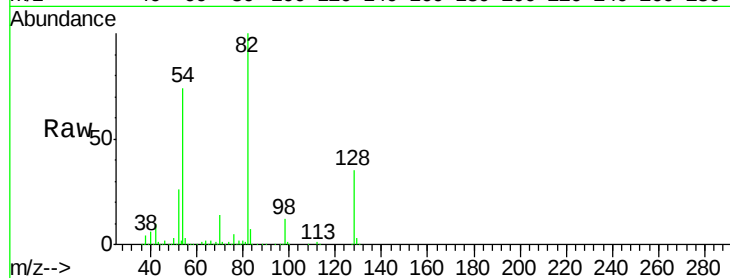




#19
n-Nitroso-di-n-propylamine
Concen: 18.42 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.14 min
Lab File: BF087298.D
Acq: 22 May 2016 18:44

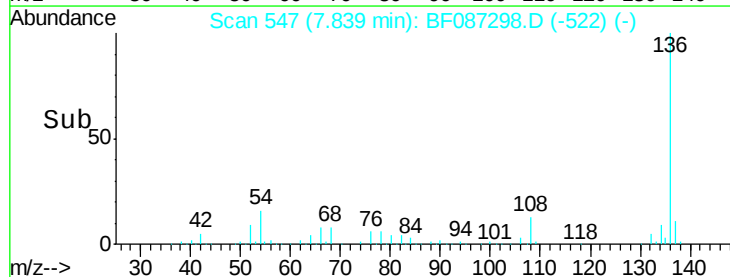
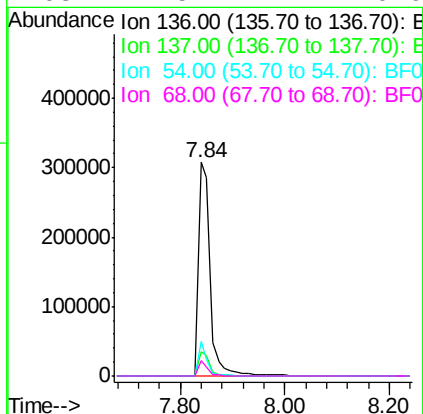
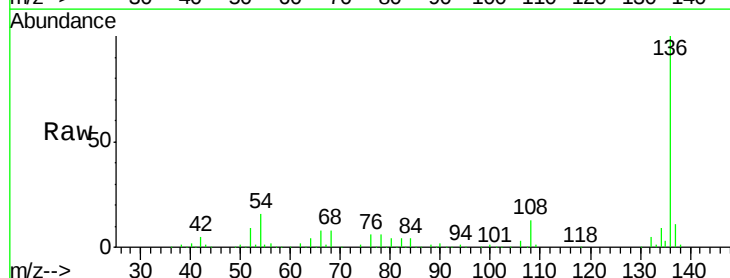
Instrument :
BNA_F
ClientSampleId :
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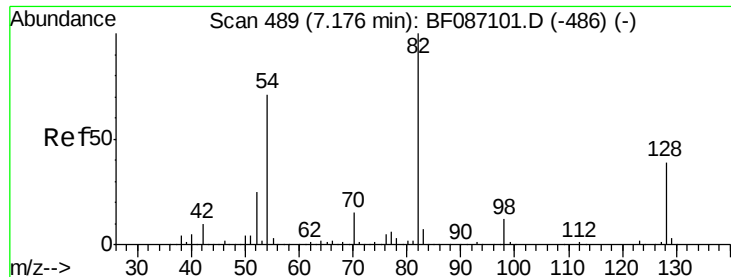
Tgt Ion: 70 Resp: 126714
Ion Ratio Lower Upper
70 100
42 72.5 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF087298.D
Acq: 22 May 2016 18:44

Tgt Ion: 136 Resp: 486161
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 16.2 5.0 7.4#
68 7.5 4.4 6.6#

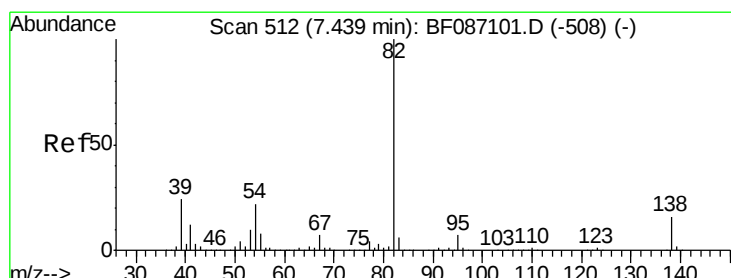
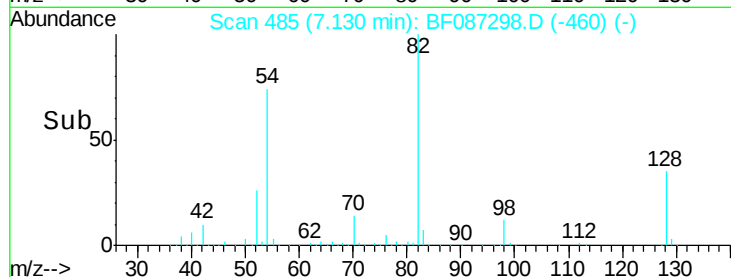
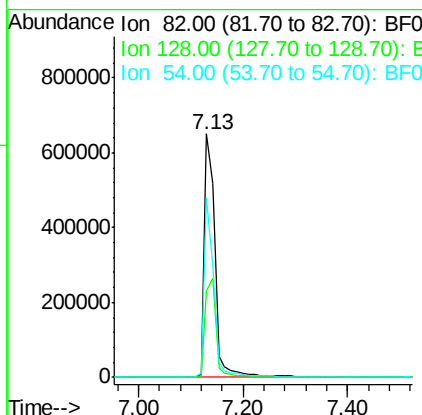
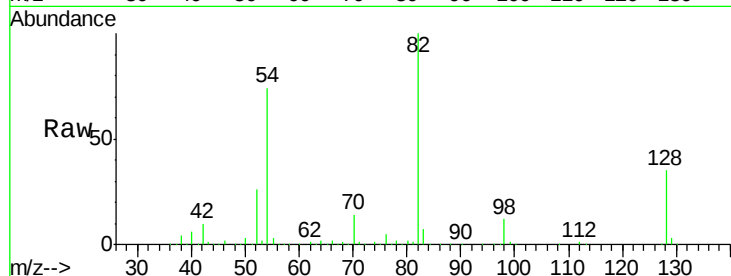




#23
 Nitrobenzene-d5
 Concen: 95.28 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

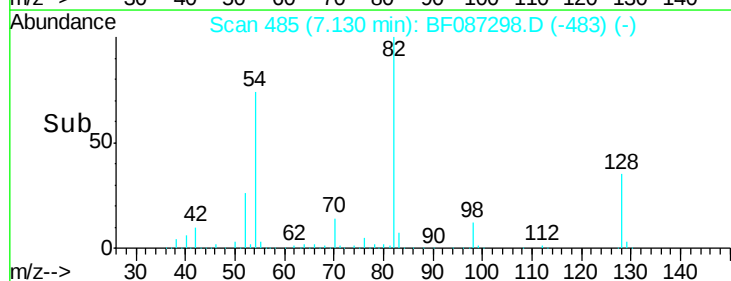
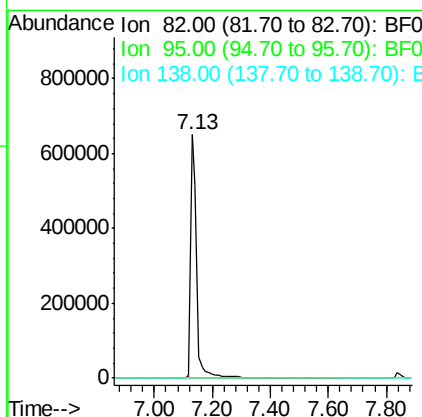
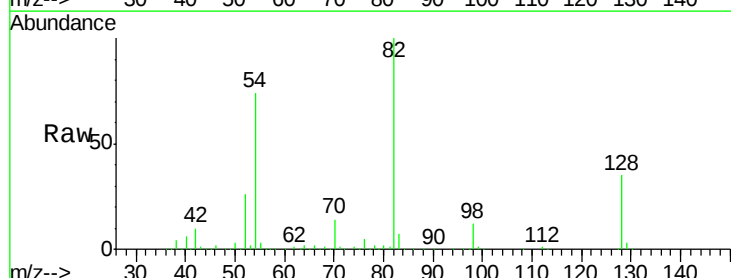
Instrument :
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 MW-12

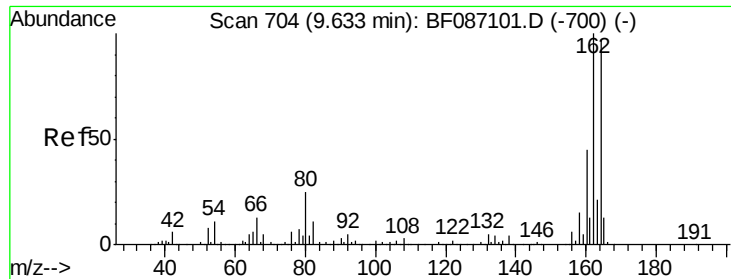
Tgt Ion: 82 Resp: 929428
 Ion Ratio Lower Upper
 82 100
 128 35.4 40.6 61.0#
 54 73.8 38.1 57.1#



#25
 Isophorone
 Concen: 52.12 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.27 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

Tgt Ion: 82 Resp: 930767
 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. -0.00 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

Instrument :

BNA_F

ClientSampleId :

MW-12

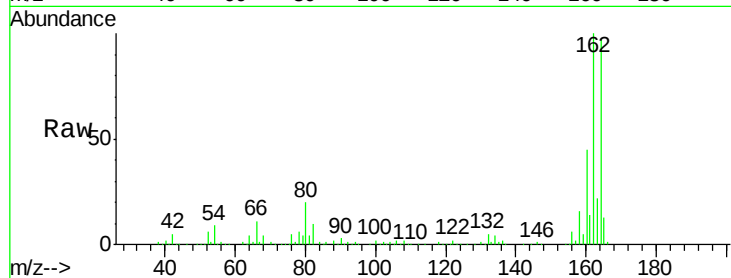
Tgt Ion:164 Resp: 235362

Ion Ratio Lower Upper

164 100

162 102.9 82.8 124.2

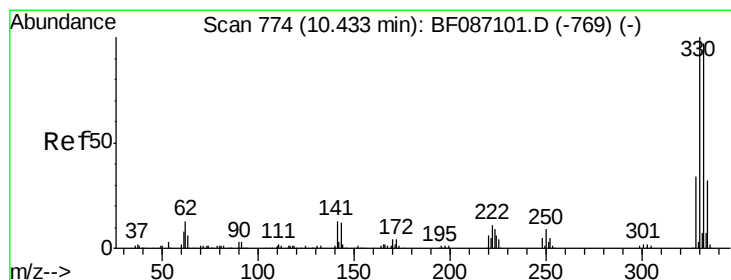
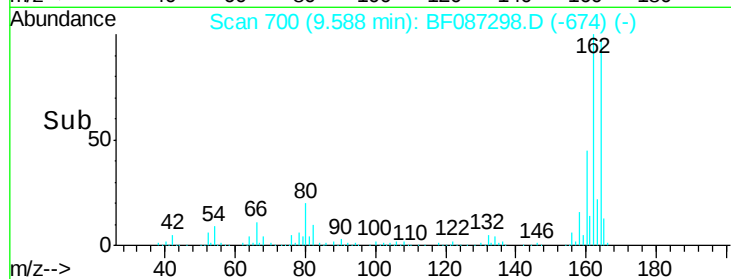
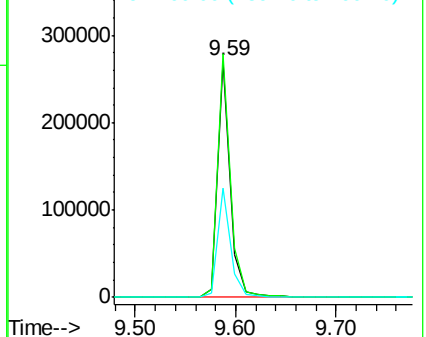
160 46.3 36.9 55.3



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: 128.65 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

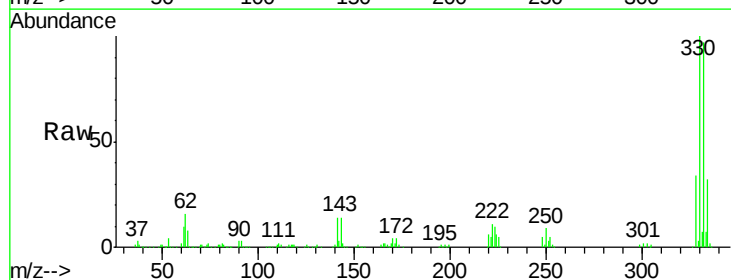
Tgt Ion:330 Resp: 334608

Ion Ratio Lower Upper

330 100

332 97.3 79.0 118.4

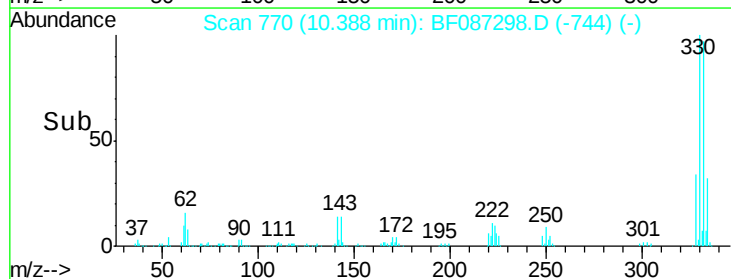
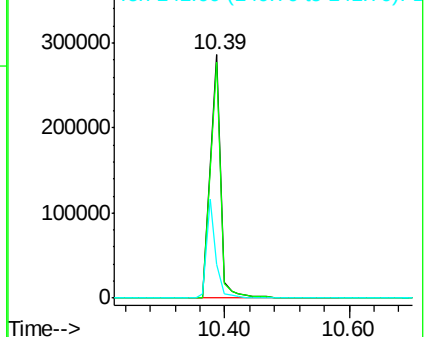
141 36.2 31.2 46.8

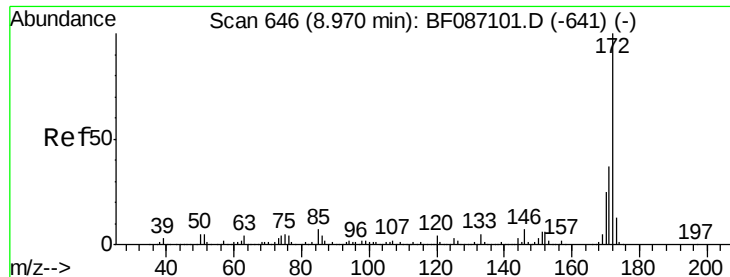


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 109.47 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

Instrument :

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ClientSampleId :

MW-12

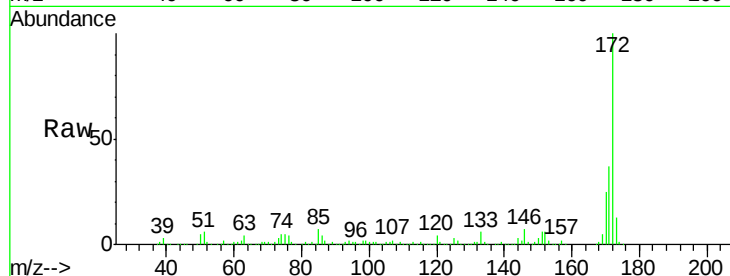
Tgt Ion:172 Resp: 1555699

Ion Ratio Lower Upper

172 100

171 36.9 29.0 43.6

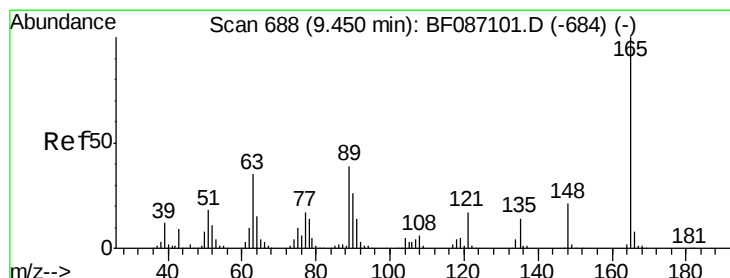
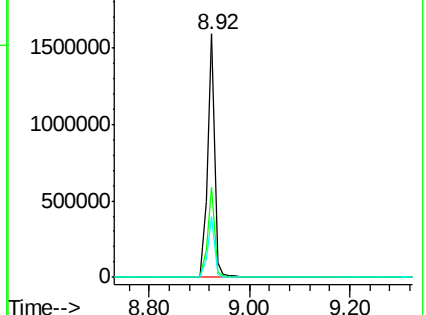
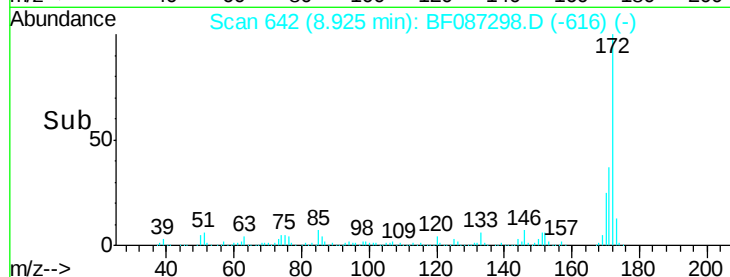
170 24.8 19.8 29.8



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: 7.61 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.18 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

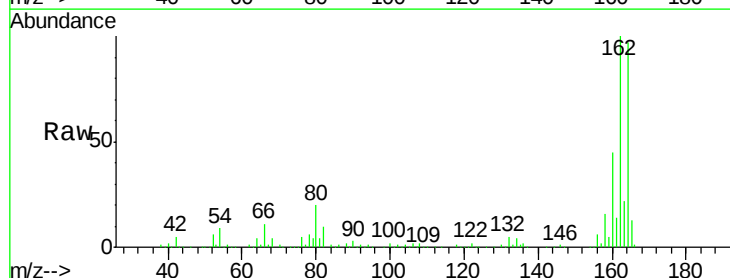
Tgt Ion:165 Resp: 29665

Ion Ratio Lower Upper

165 100

63 1.8 51.8 77.8#

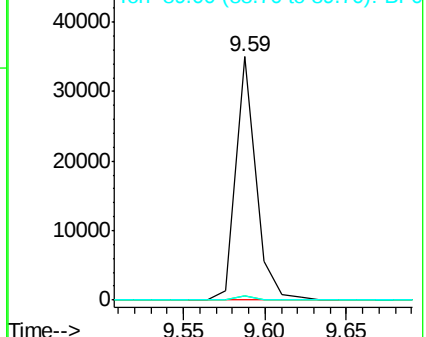
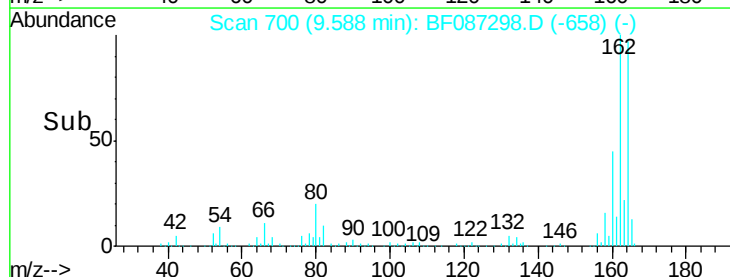
89 1.9 50.7 76.1#

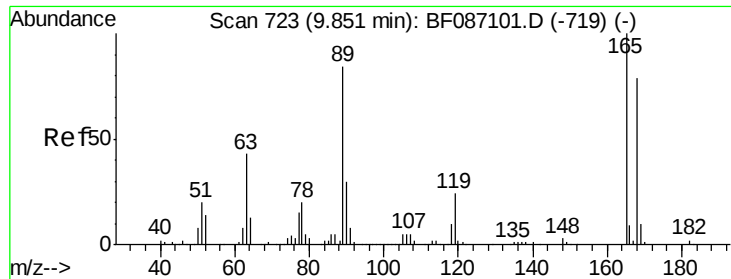


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

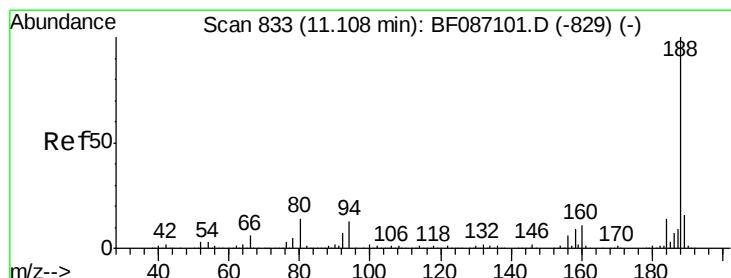
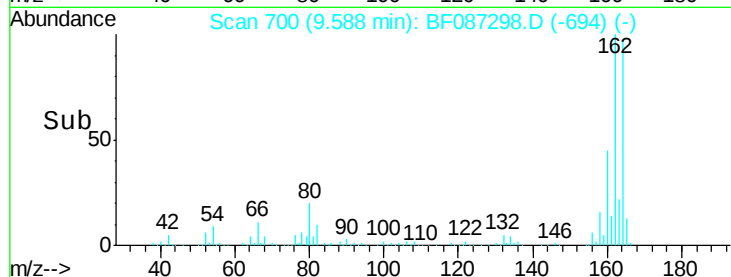
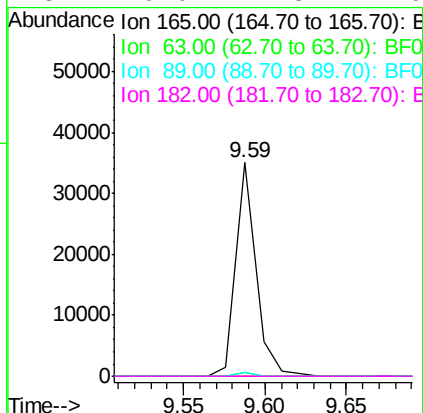
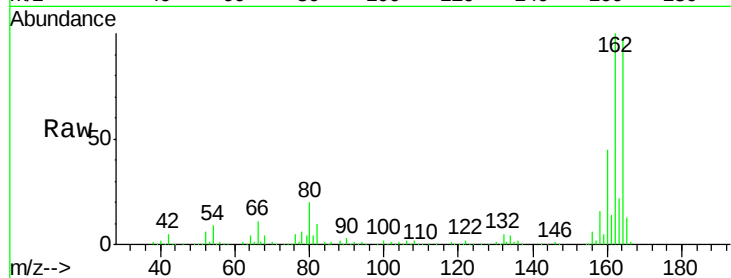




#56
 2,4-Dinitrotoluene
 Concen: 5.94 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.23 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

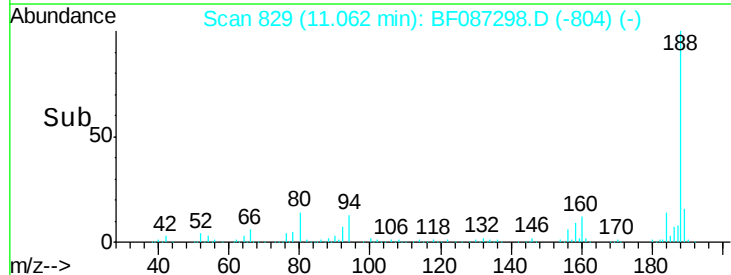
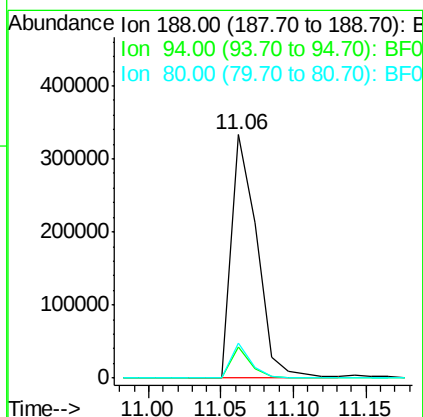
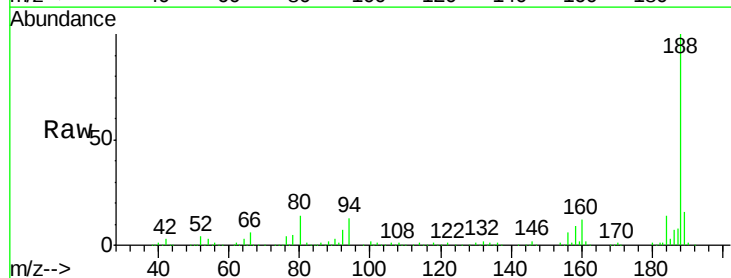
Instrument :
 BNA_F
 ClientSampleId :
 MW-12

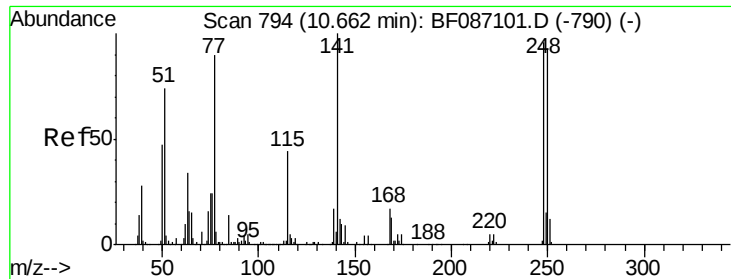
Tgt Ion:	165	Resp:	29665
Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

Tgt Ion:	188	Resp:	407345
Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.8	10.2#
80	14.5	7.1	10.7#





#66

4-Bromophenyl-phenylether

Concen: 4.88 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.24 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

Instrument :

BNA_F

ClientSampleId :

MW-12

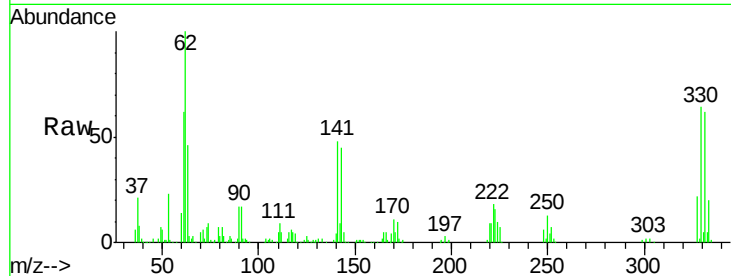
Tgt Ion:248 Resp: 20458

Ion Ratio Lower Upper

248 100

250 202.9 78.6 117.8#

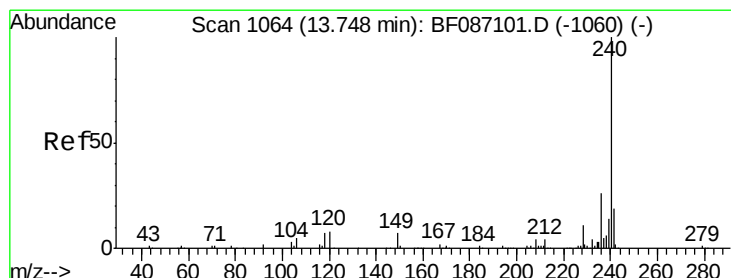
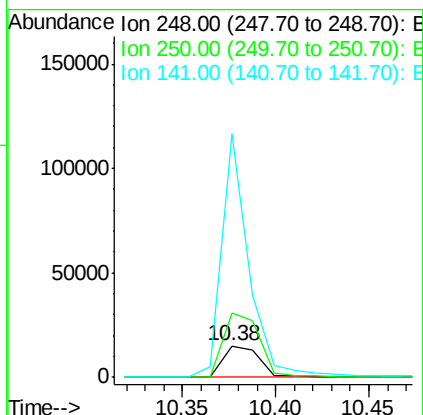
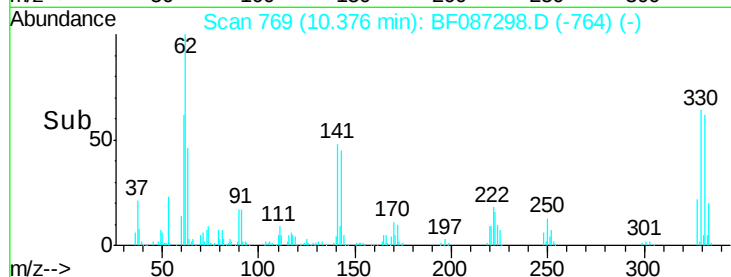
141 768.3 76.0 114.0#



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. -0.01 min

Lab File: BF087298.D

Acq: 22 May 2016 18:44

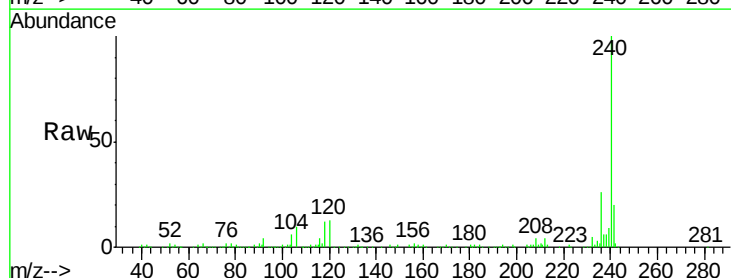
Tgt Ion:240 Resp: 279354

Ion Ratio Lower Upper

240 100

120 13.4 11.2 16.8

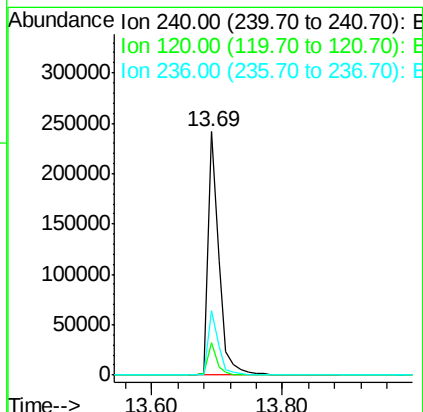
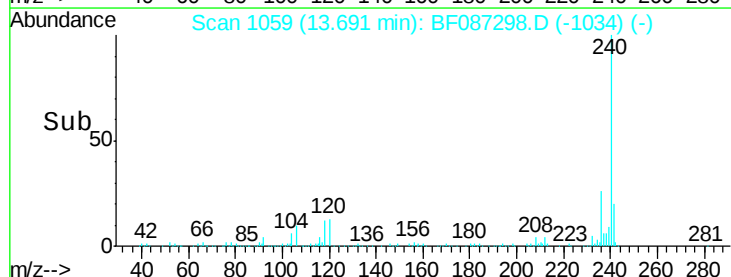
236 26.4 21.2 31.8

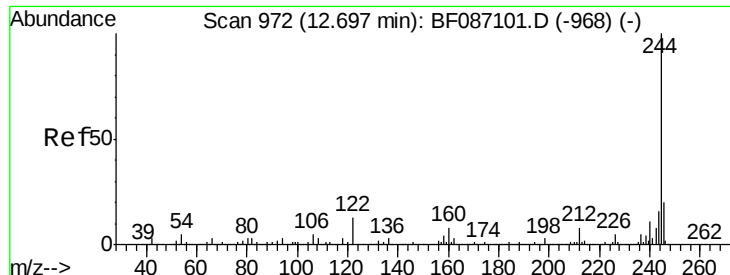


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

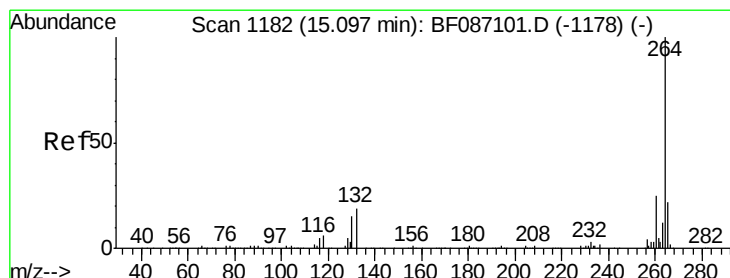
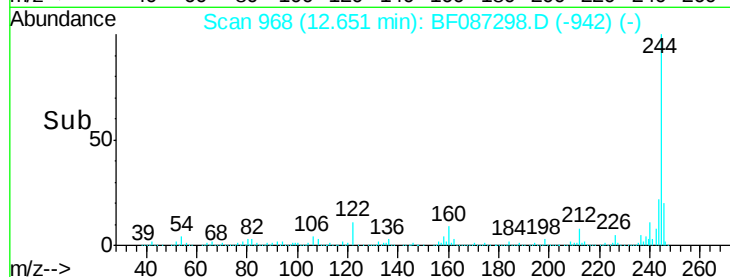
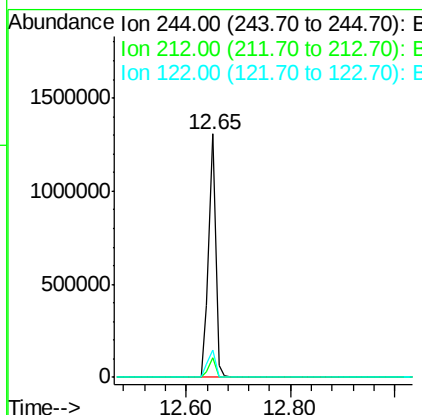
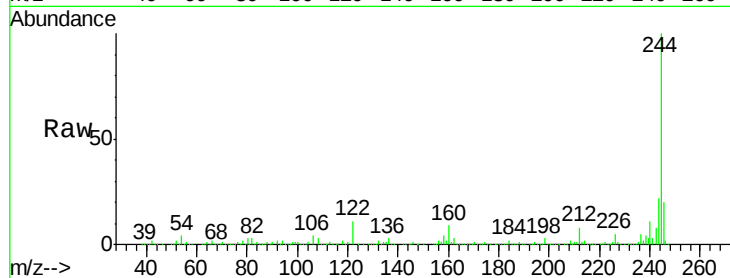




#78
 Terphenyl-d14
 Concen: 99.81 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Tgt Ion:244 Resp: 1232565
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 11.5 12.0 18.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF087298.D
 Acq: 22 May 2016 18:44

Tgt Ion:264 Resp: 227580
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.5 17.3 25.9

