

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052216\
 Data File : BF087297.D
 Acq On : 22 May 2016 18:15
 Operator : UM/SJ
 Sample : H3172-14
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Quant Time: May 23 03:39:43 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

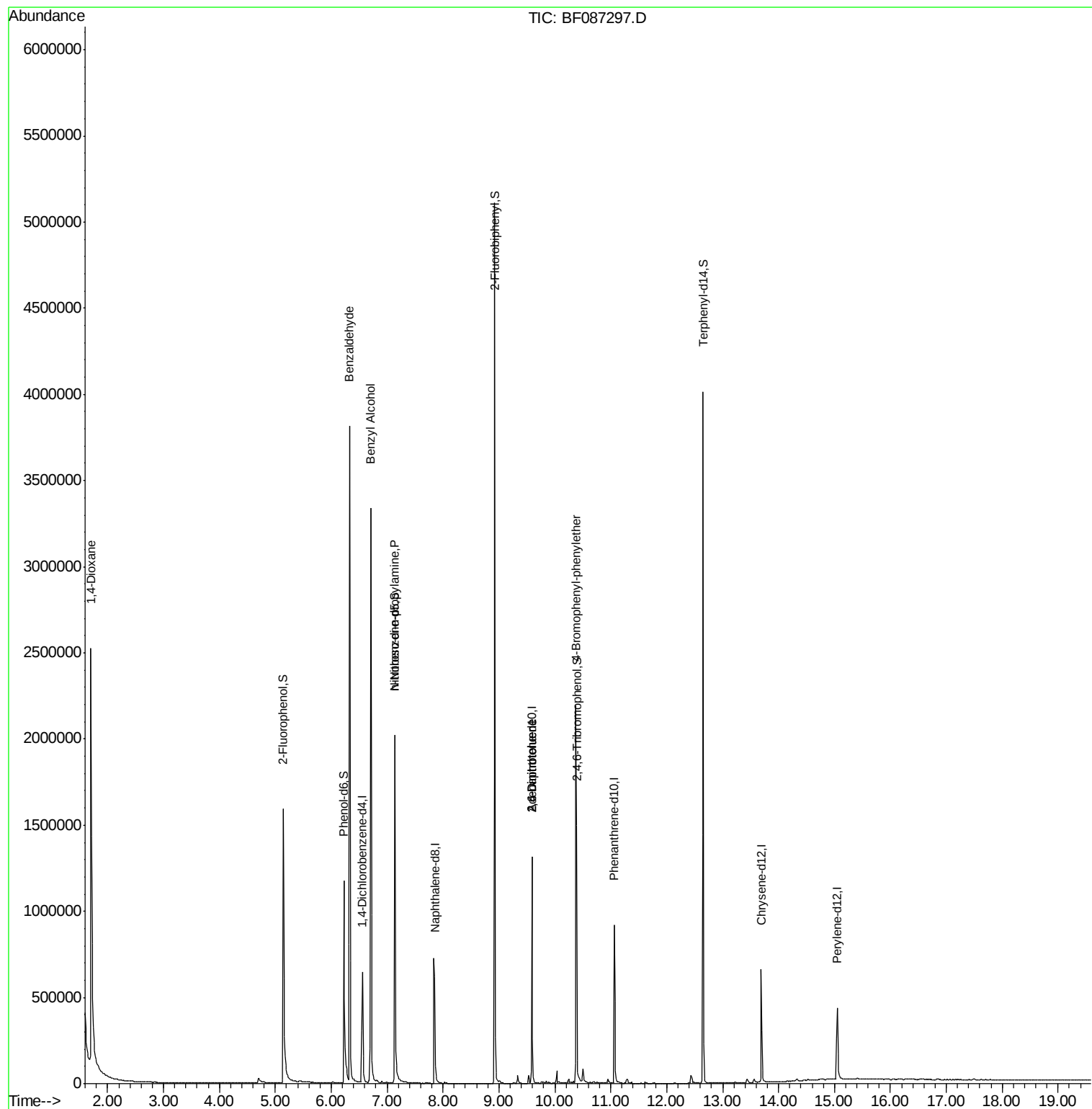
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	114835	20.00	ng	0.00
21) Naphthalene-d8	7.85	136	492846	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	237668	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	394225	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	269755	20.00	ng	-0.01
86) Perylene-d12	15.05	264	219489	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	522191	76.43	ng	0.01
7) Phenol-d6	6.23	99	452942	49.43	ng	0.00
23) Nitrobenzene-d5	7.13	82	971149	98.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.39	330	337335	128.44	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1525568	106.31	ng	0.00
78) Terphenyl-d14	12.65	244	1214945	101.88	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.70	88	86737	24.68	ng	# 22
9) Benzaldehyde	6.33	77	25449	3.86	ng	# 79
15) Benzyl Alcohol	6.71	79	16348	2.40	ng	# 42
19) n-Nitroso-di-n-propylamine	7.13	70	134872	19.36	ng	# 70
50) 2,6-Dinitrotoluene	9.59	165	30120	7.65	ng	# 21
56) 2,4-Dinitrotoluene	9.59	165	30120	5.97	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	20687	5.10	ng	# 1

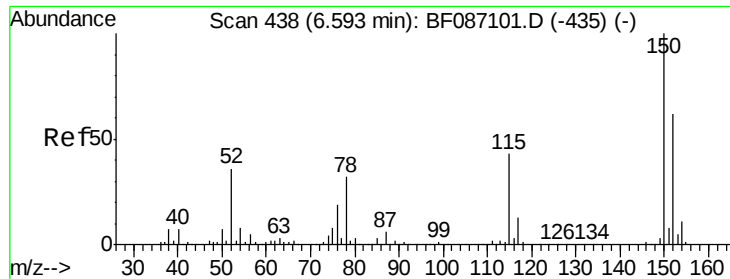
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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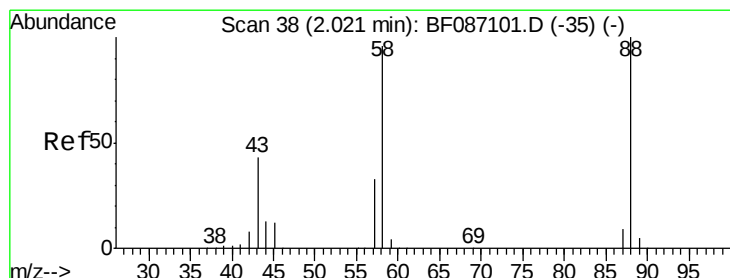
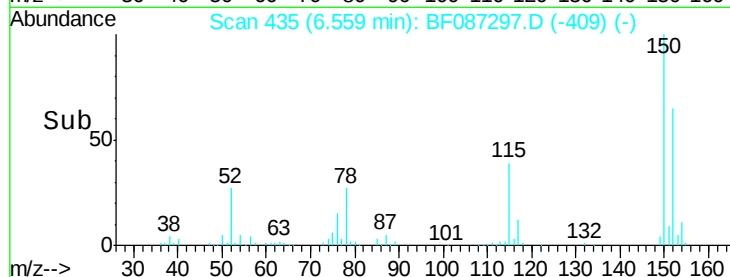
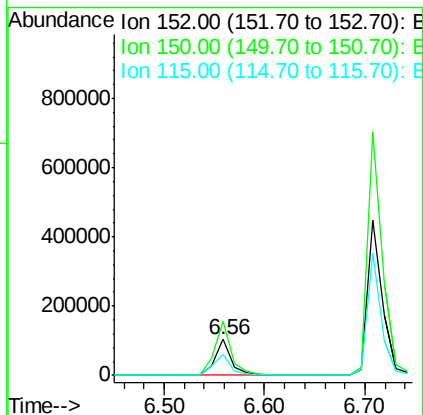
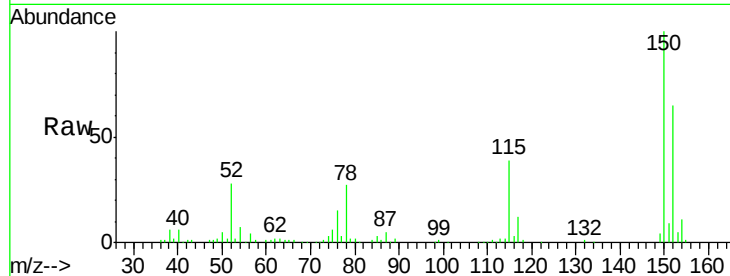


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

Instrument :
BNA_F
ClientSampled :
MW-13

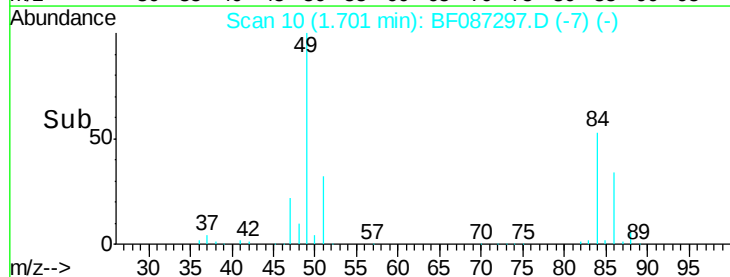
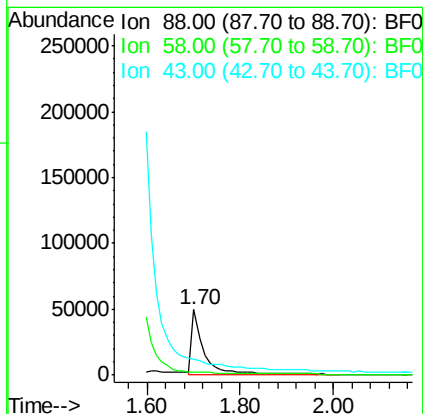
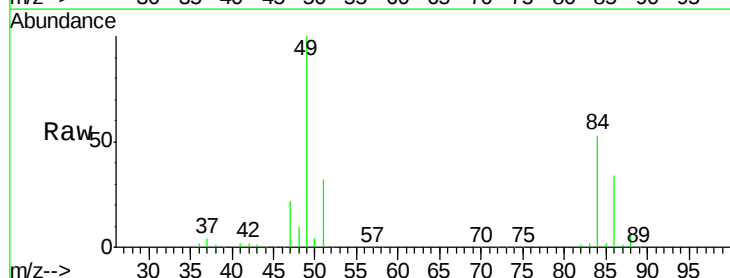
Tgt Ion: 152 Resp: 114835
Ion Ratio Lower Upper
152 100
150 152.9 125.8 188.6
115 60.4 51.5 77.3

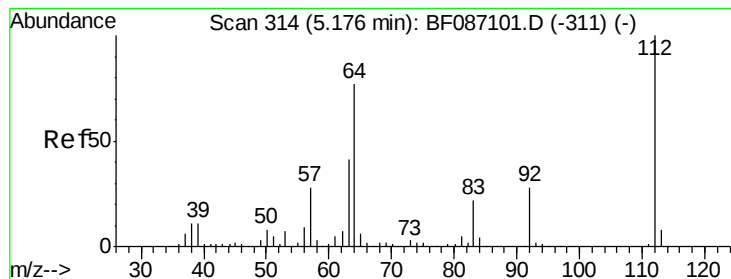


#2

1,4-Dioxane
Concen: 24.68 ng
RT: 1.70 min Scan# 10
Delta R.T. -0.26 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

Tgt Ion: 88 Resp: 86737
Ion Ratio Lower Upper
88 100
58 0.0 59.6 89.4#
43 0.0 21.8 32.6#

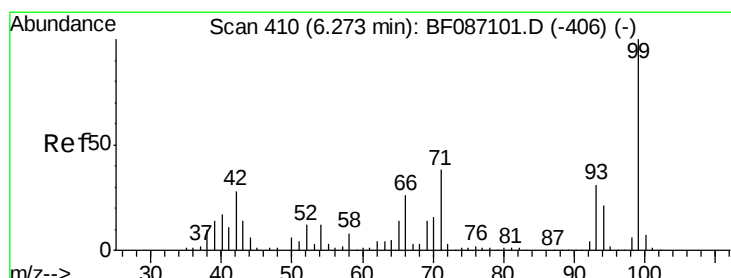
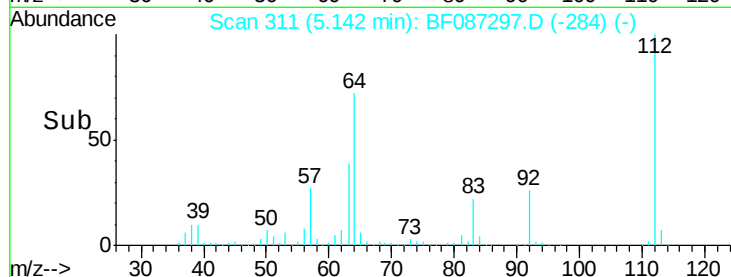
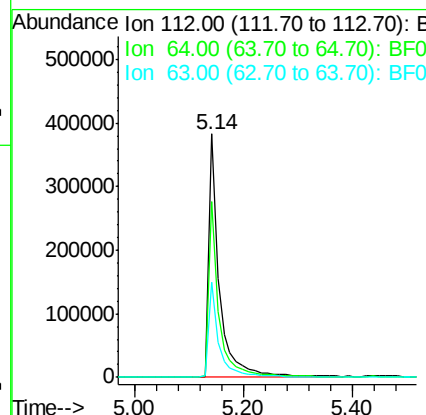
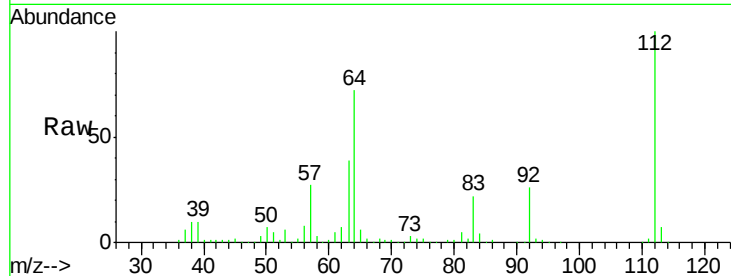




#5
 2-Fluorophenol
 Concen: 76.43 ng
 RT: 5.14 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

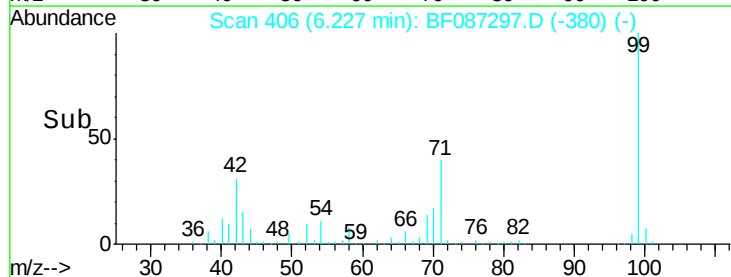
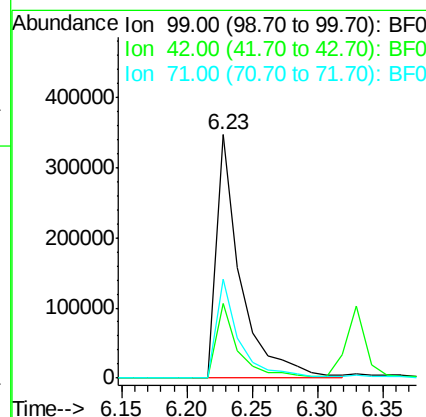
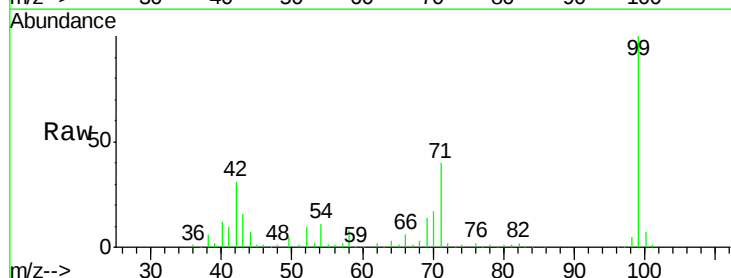
Instrument :
 BNA_F
 ClientSampled :
 MW-13

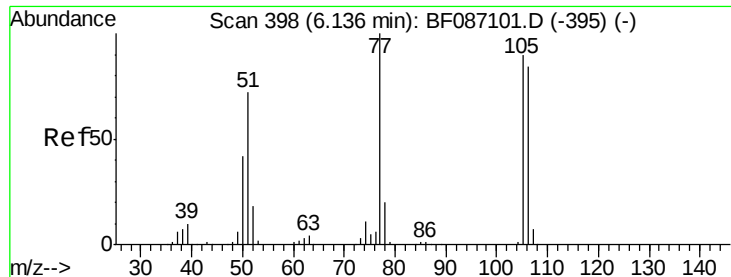
Tgt Ion: 112 Resp: 522191
 Ion Ratio Lower Upper
 112 100
 64 72.2 52.1 78.1
 63 39.3 25.7 38.5#



#7
 Phenol-d6
 Concen: 49.43 ng
 RT: 6.23 min Scan# 406
 Delta R.T. 0.00 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

Tgt Ion: 99 Resp: 452942
 Ion Ratio Lower Upper
 99 100
 42 30.8 13.6 20.4#
 71 40.4 24.6 36.8#





#9

Benzaldehyde

Concen: 3.86 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

Instrument :

BNA_F

ClientSampled :

MW-13

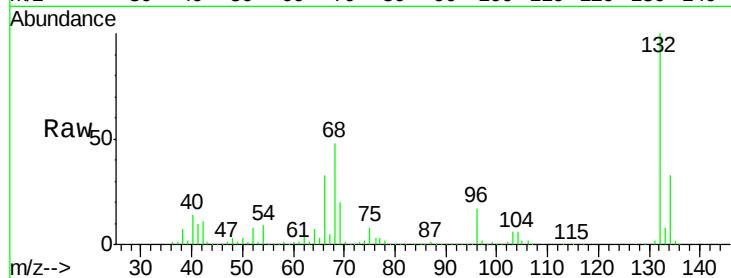
Tgt Ion: 77 Resp: 25449

Ion Ratio Lower Upper

77 100

105 76.9 72.7 112.7

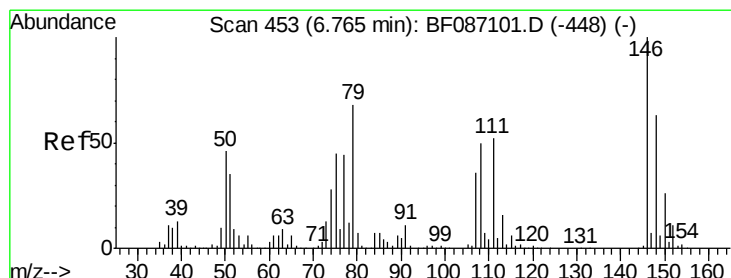
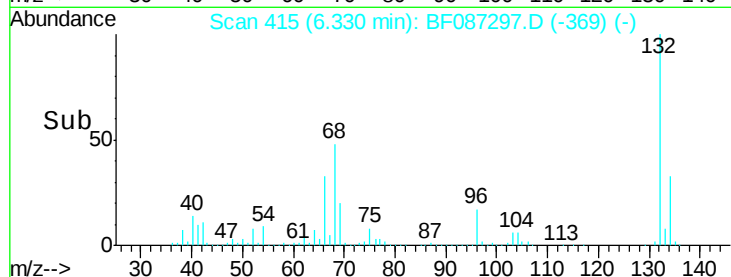
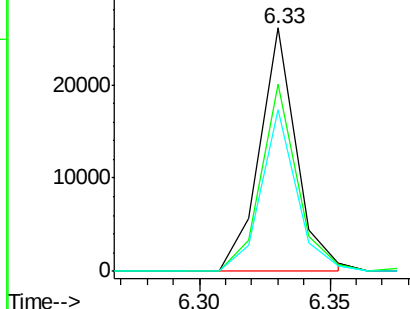
106 66.6 70.8 110.8#



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: 2.40 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

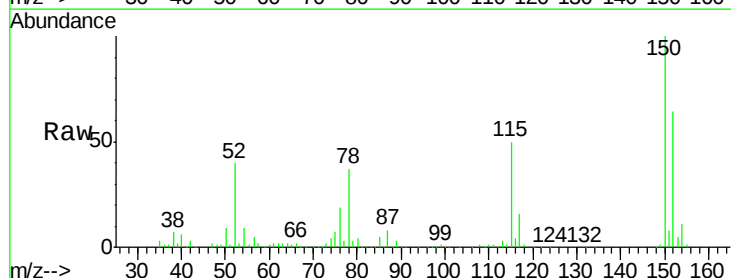
Tgt Ion: 79 Resp: 16348

Ion Ratio Lower Upper

79 100

108 27.7 68.4 102.6#

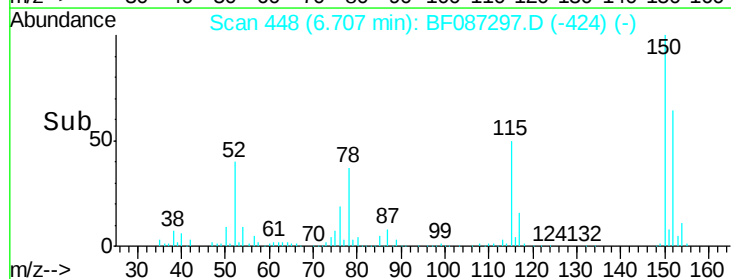
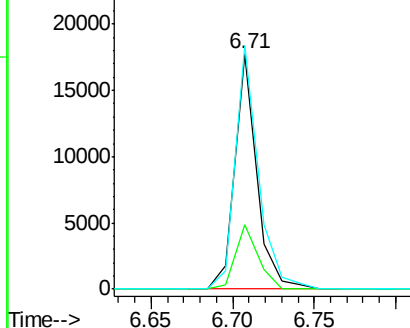
77 103.6 50.6 76.0#

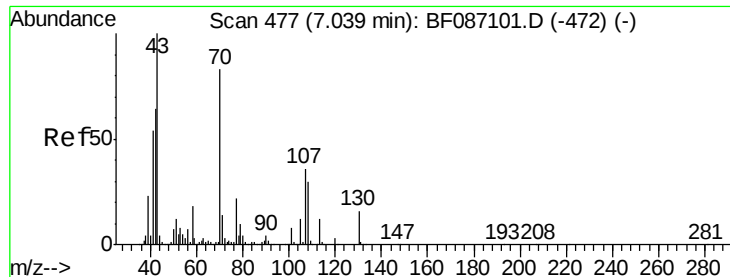


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

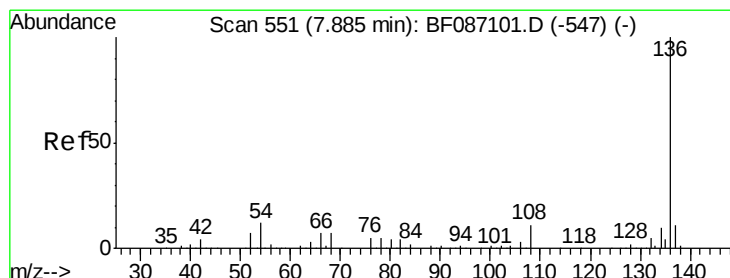
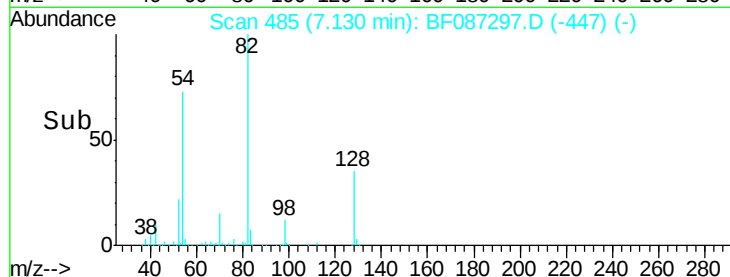
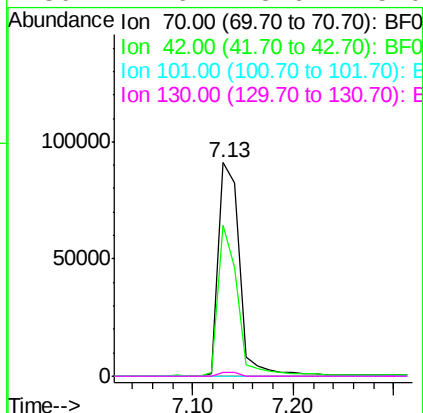
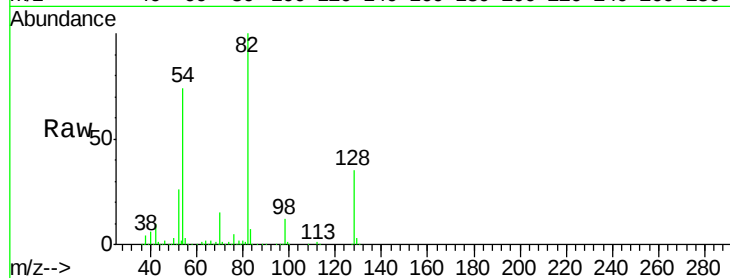




#19
n-Nitroso-di-n-propylamine
Concen: 19.36 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.14 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

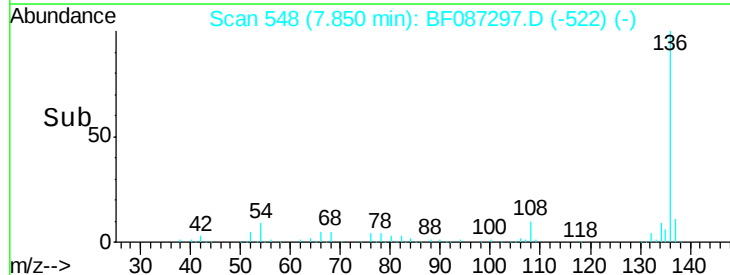
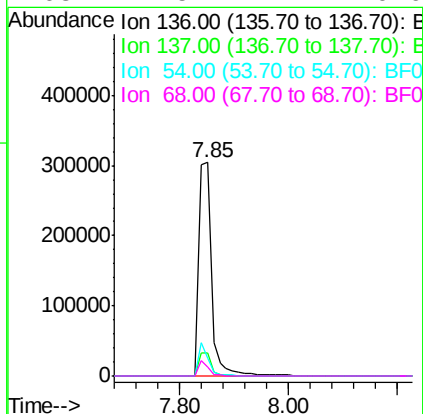
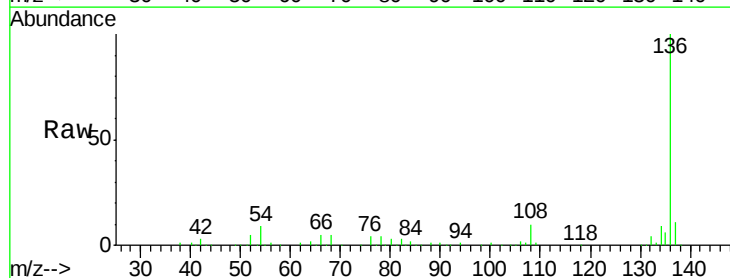
Instrument :
BNA_F
ClientSampleId :
MW-13

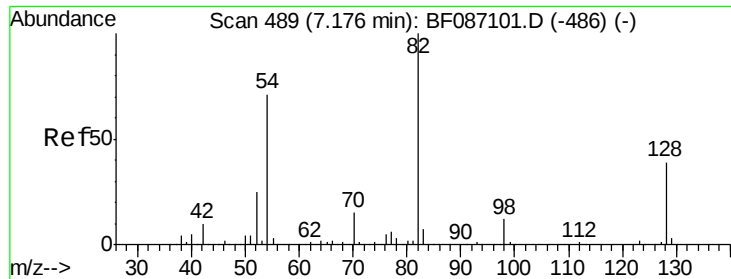
Tgt Ion: 70 Resp: 134872
Ion Ratio Lower Upper
70 100
42 70.9 43.1 64.7#
101 0.0 8.1 12.1#
130 1.6 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

Tgt Ion: 136 Resp: 492846
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.6 5.0 7.4#
68 4.5 4.4 6.6

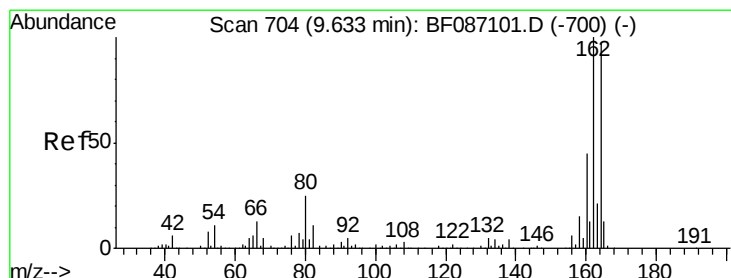
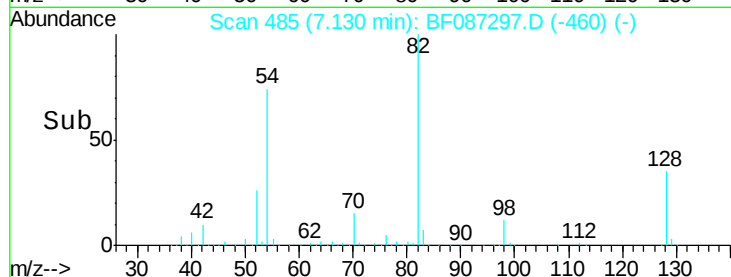
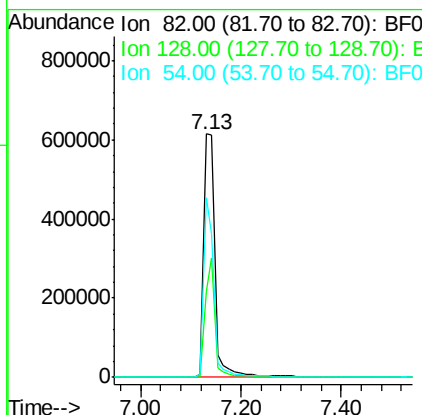
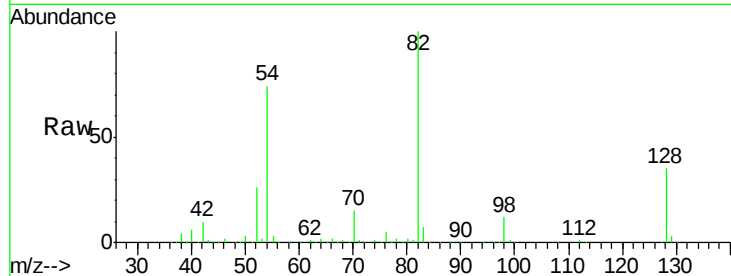




#23
 Nitrobenzene-d5
 Concen: 98.21 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

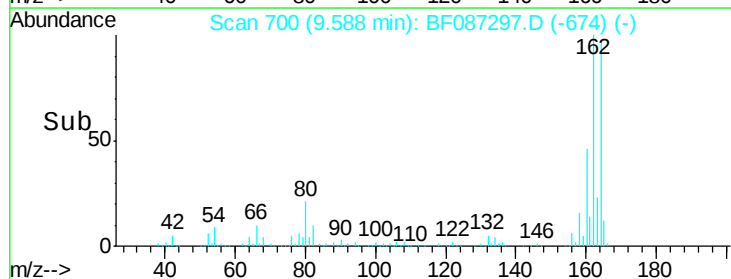
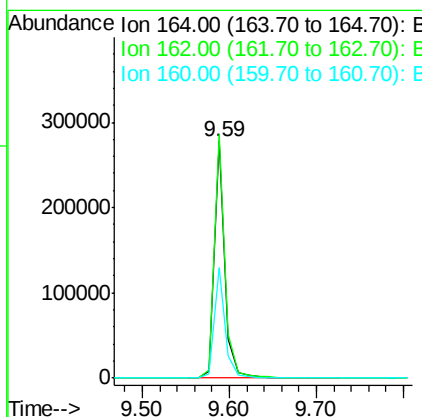
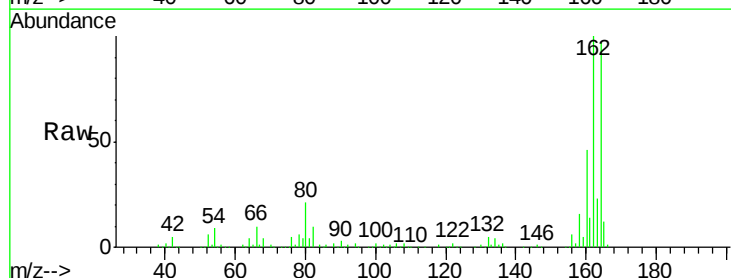
Instrument :
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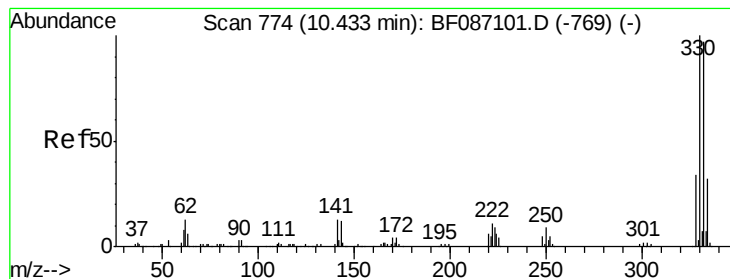
Tgt Ion: 82 Resp: 971149
 Ion Ratio Lower Upper
 82 100
 128 35.3 40.6 61.0#
 54 74.0 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

Tgt Ion: 164 Resp: 237668
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.8 124.2
 160 46.8 36.9 55.3

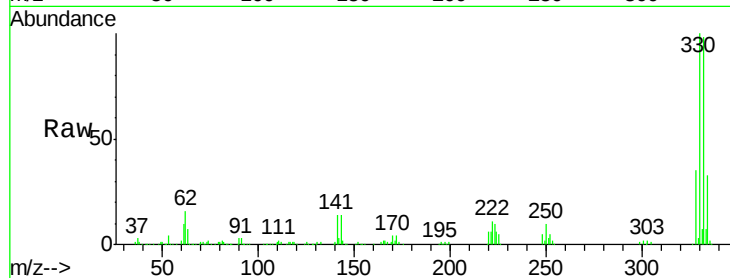




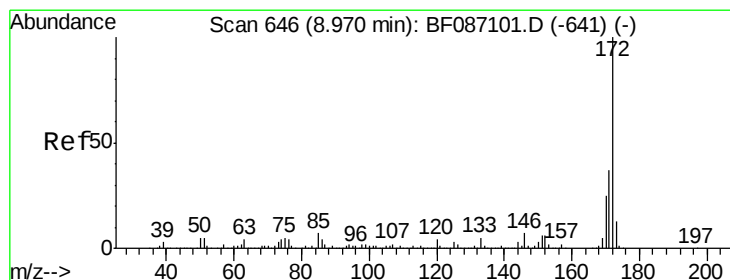
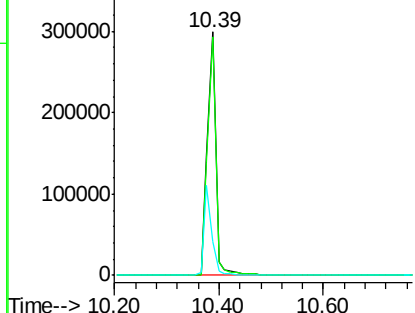
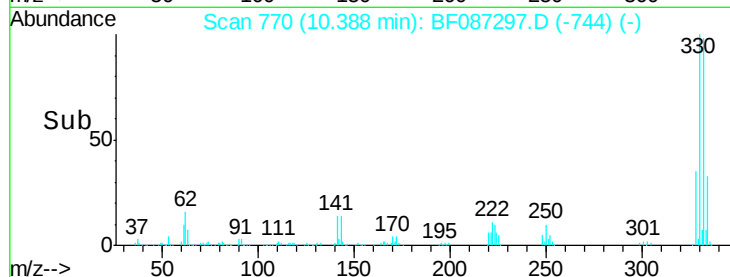
#41
 2,4,6-Tribromophenol
 Concen: 128.44 ng
 RT: 10.39 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.0	118.4
141	34.7	31.2	46.8

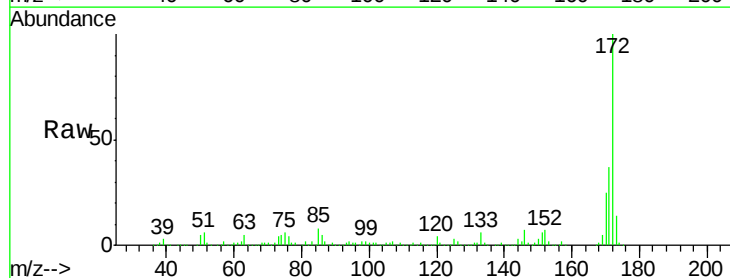


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

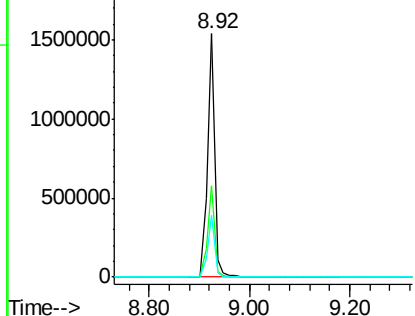
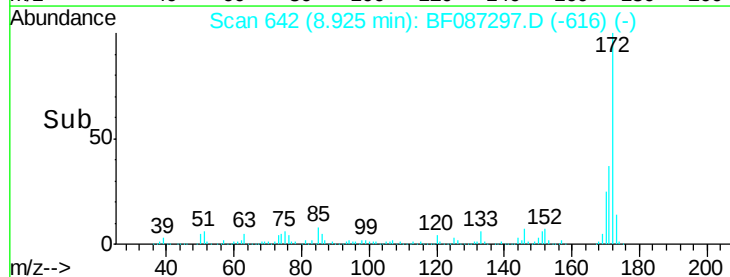


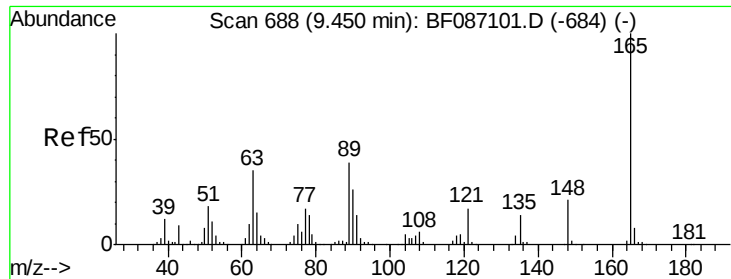
#44
 2-Fluorobiphenyl
 Concen: 106.31 ng
 RT: 8.92 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.0	43.6
170	25.2	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

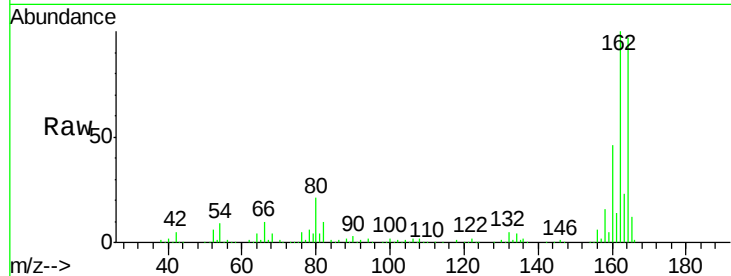




#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.18 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

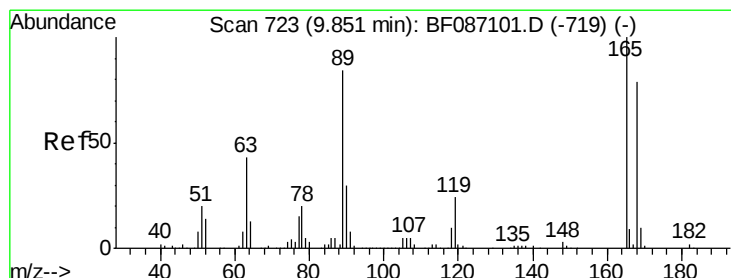
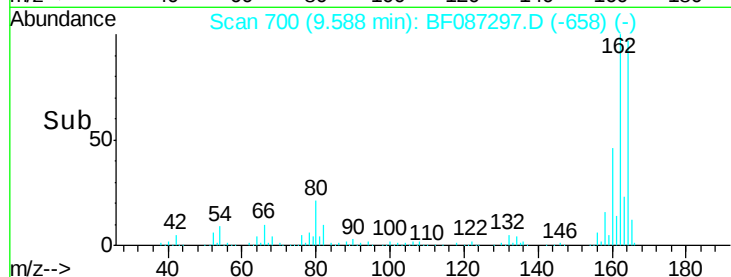
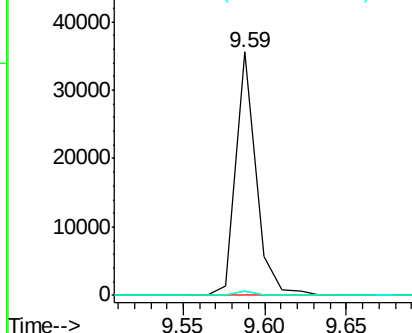
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	51.8	77.8#
89	1.8	50.7	76.1#



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: 5.97 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.23 min
 Lab File: BF087297.D
 Acq: 22 May 2016 18:15

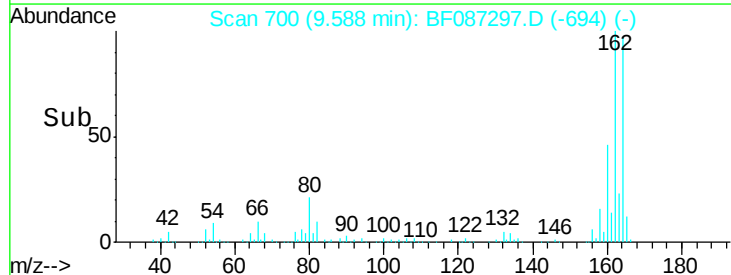
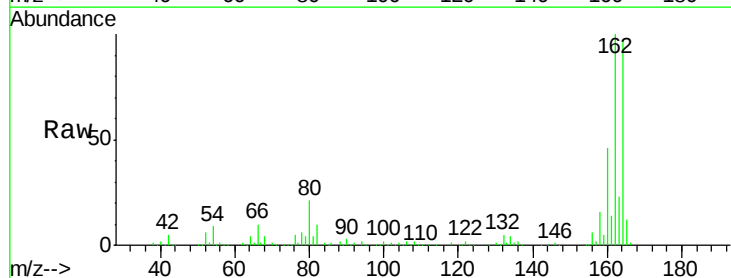
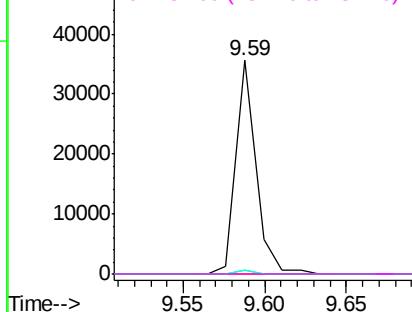
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.3	66.5#
89	1.8	70.0	105.0#
182	0.0	1.8	2.6#

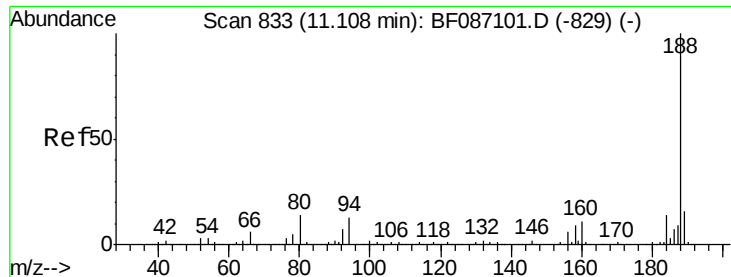
Abundance Ion 165.00 (164.70 to 165.70): E

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

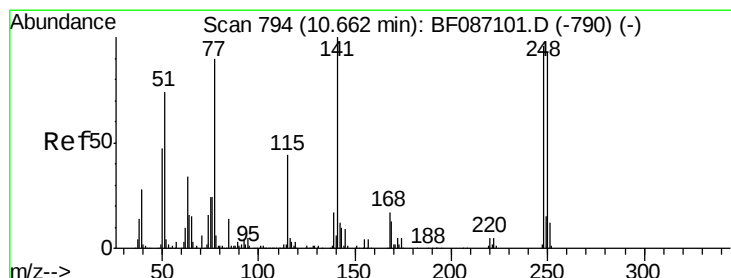
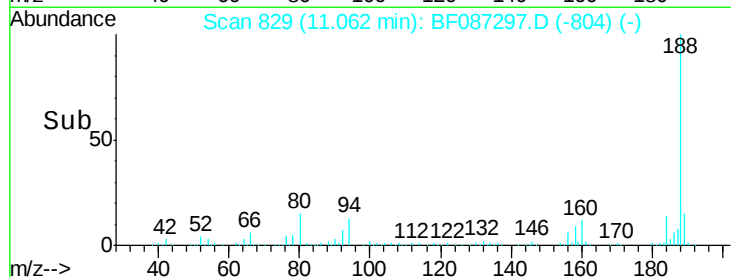
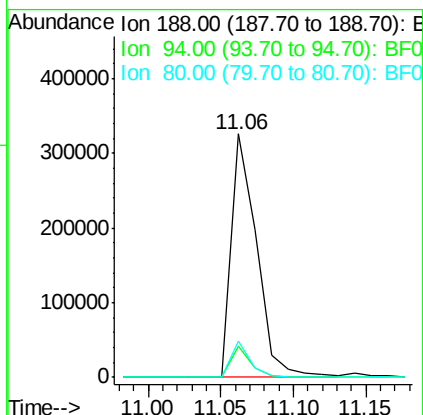
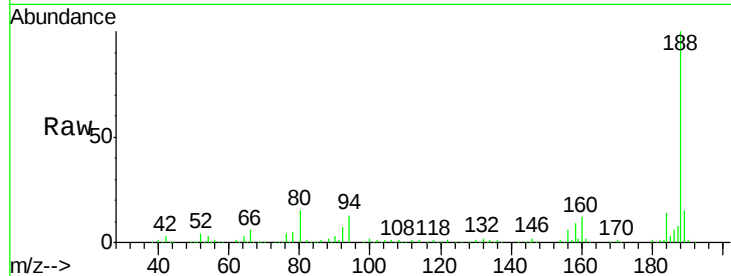




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

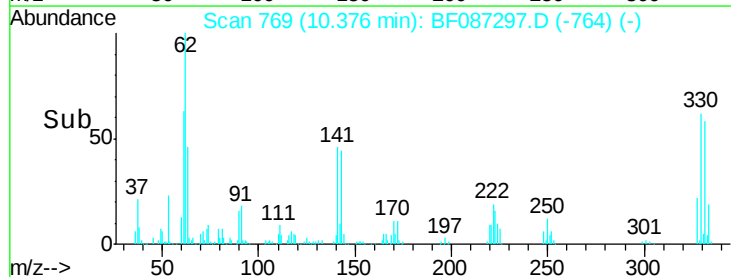
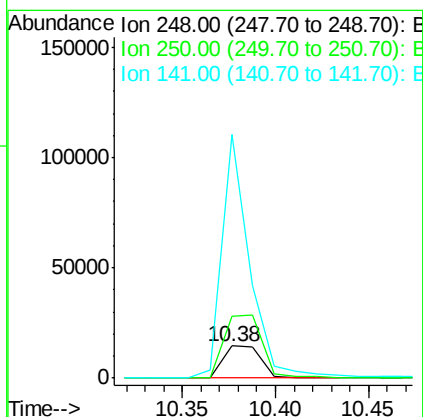
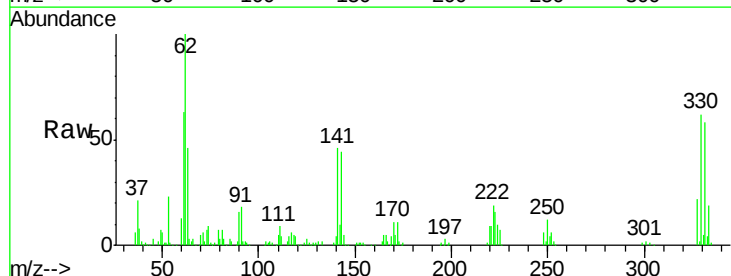
Instrument :
BNA_F
ClientSampleId :
MW-13

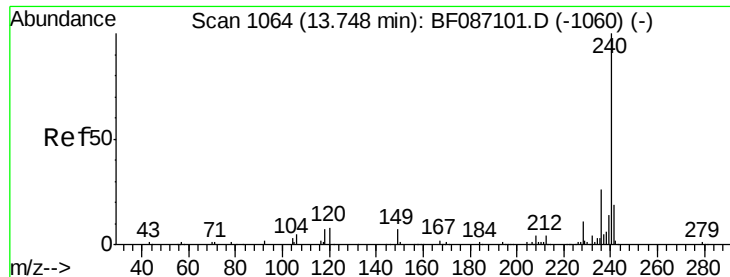
Tgt Ion:188 Resp: 394225
Ion Ratio Lower Upper
188 100
94 12.7 6.8 10.2#
80 14.7 7.1 10.7#



#66
4-Bromophenyl-phenylether
Concen: 5.10 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.24 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

Tgt Ion:248 Resp: 20687
Ion Ratio Lower Upper
248 100
250 194.5 78.6 117.8#
141 758.6 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-13

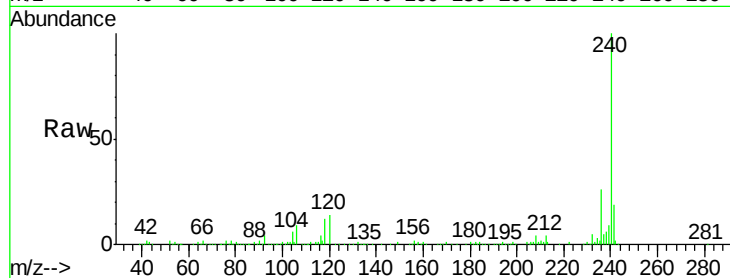
Tgt Ion:240 Resp: 269755

Ion Ratio Lower Upper

240 100

120 13.6 11.2 16.8

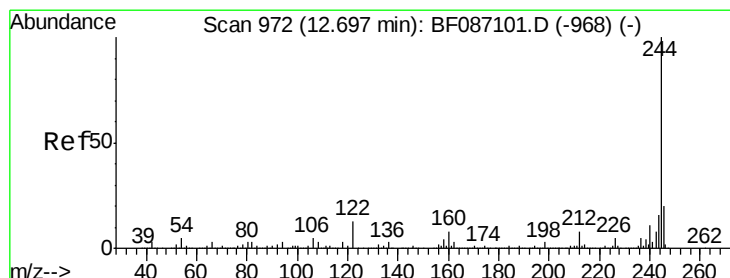
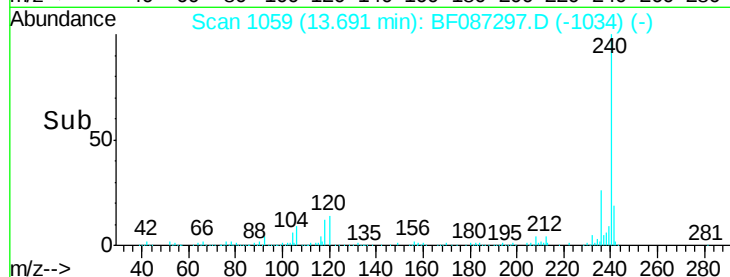
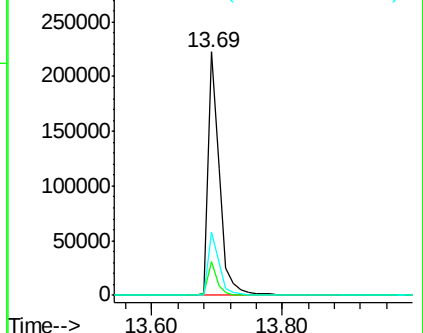
236 26.0 21.2 31.8



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



#78

Terphenyl-d14

Concen: 101.88 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF087297.D

Acq: 22 May 2016 18:15

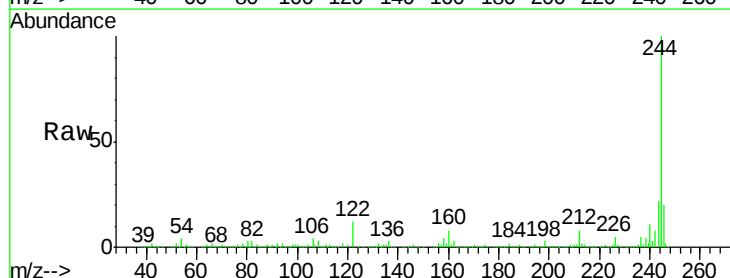
Tgt Ion:244 Resp: 1214945

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

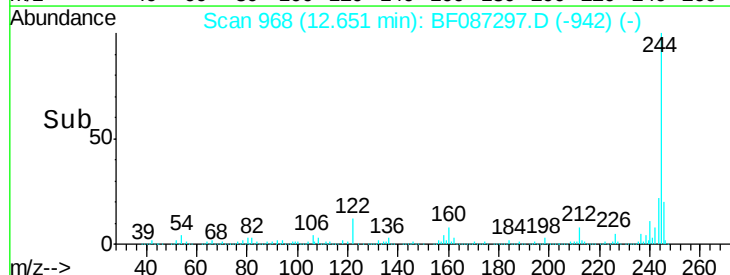
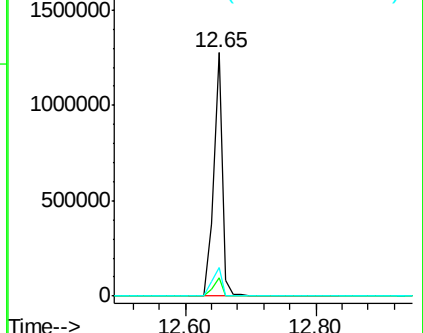
122 11.7 12.0 18.0#

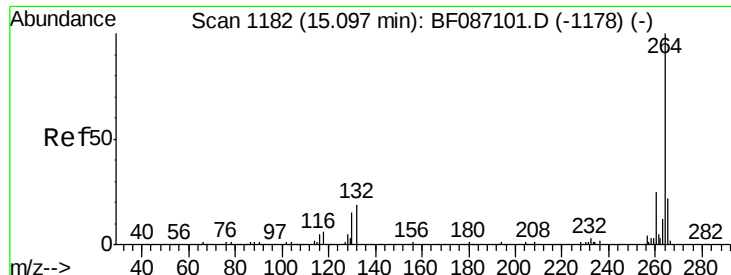


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

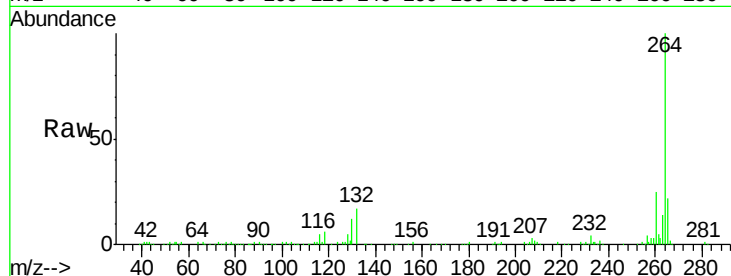




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF087297.D
Acq: 22 May 2016 18:15

Instrument :
BNA_F
ClientSampleId :
MW-13

Tgt Ion: 264 Resp: 219489
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 21.5 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

