

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087005.D
 Acq On : 14 May 2016 8:00
 Operator : UM/SJ
 Sample : H2989-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: May 16 01:02:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

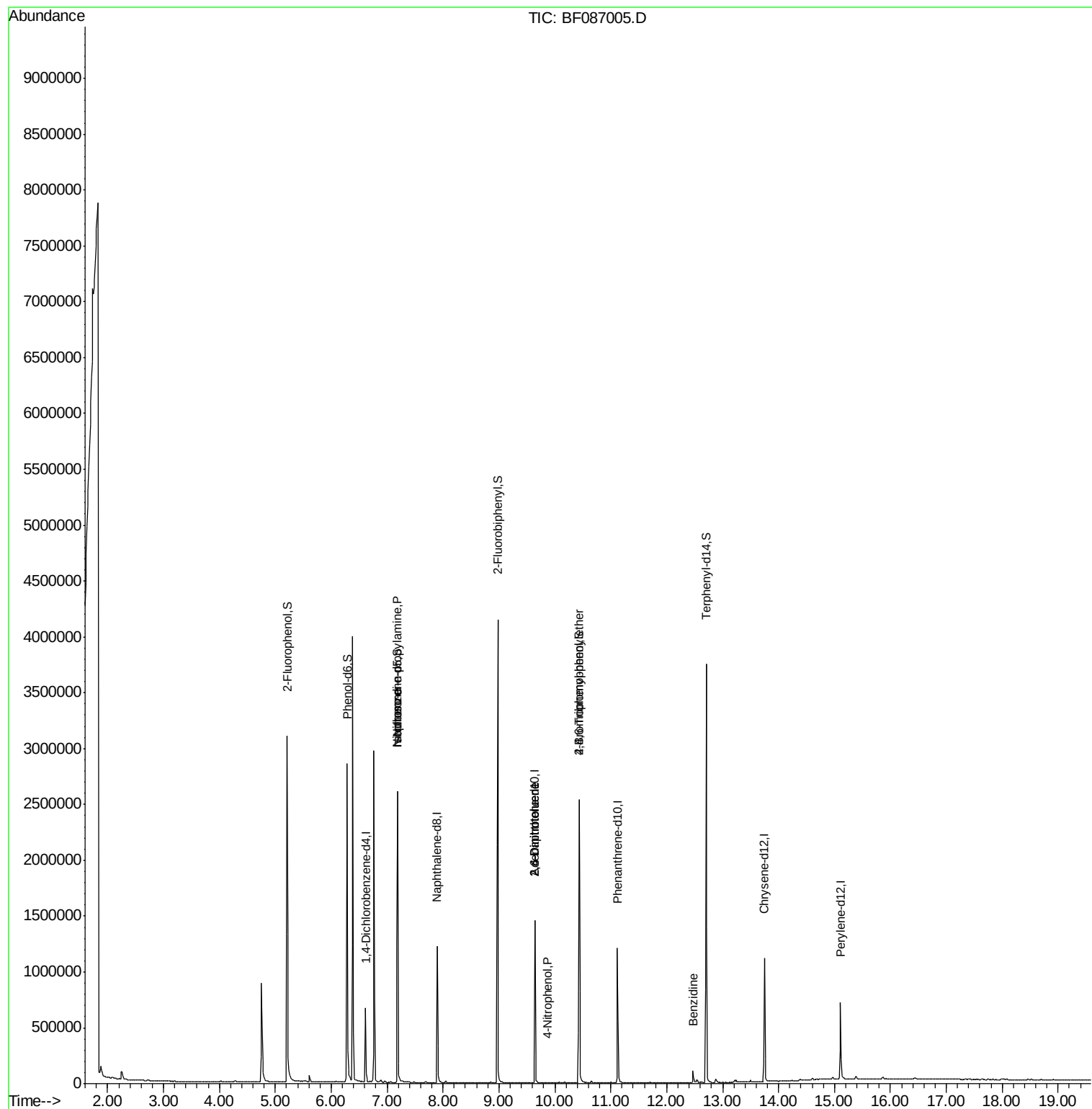
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	131644	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	535537	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	268821	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	494951	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	369626	20.00	ng	-0.09
86) Perylene-d12	15.11	264	299067	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	867869	111.65	ng	-0.08
7) Phenol-d6	6.28	99	1209935	116.46	ng	-0.08
23) Nitrobenzene-d5	7.19	82	895054	83.92	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	308988	108.57	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1427831	89.27	ng	-0.08
78) Terphenyl-d14	12.71	244	1297736	74.49	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	126863	17.47	ng	# 74
25) Isophorone	7.19	82	880529	44.50	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	34190	7.92	ng	# 21
55) 4-Nitrophenol	9.86	139	287	4.65	ng	# 14
56) 2,4-Dinitrotoluene	9.64	165	34192	6.40	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	17852	3.56	ng	# 1
76) Benzidine	12.47	184	59211	6.28	ng	95

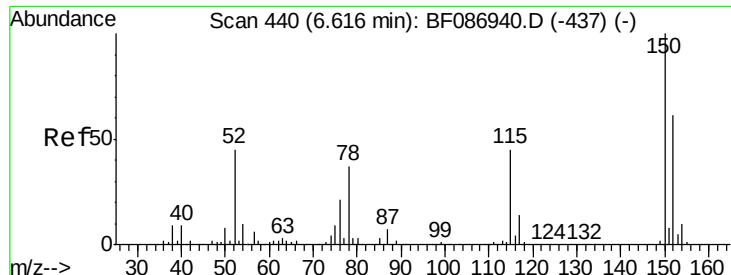
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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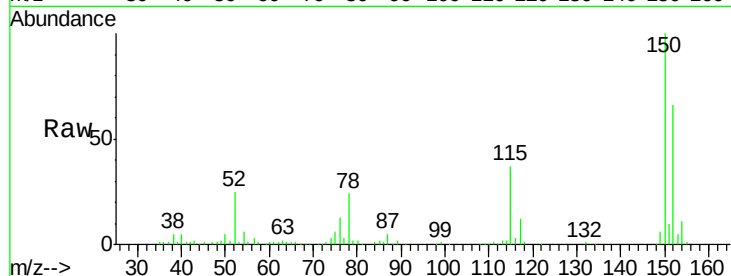




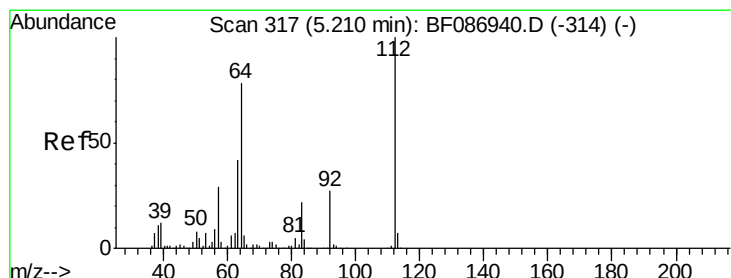
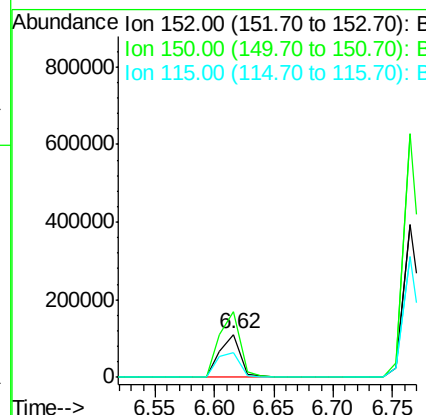
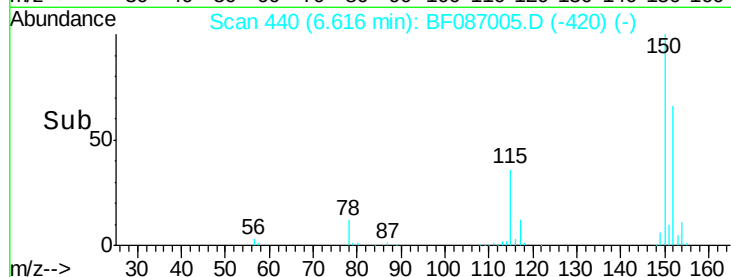
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.08 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:152 Resp: 131644
 Ion Ratio Lower Upper
 152 100
 150 152.3 125.8 188.6
 115 56.4 51.5 77.3

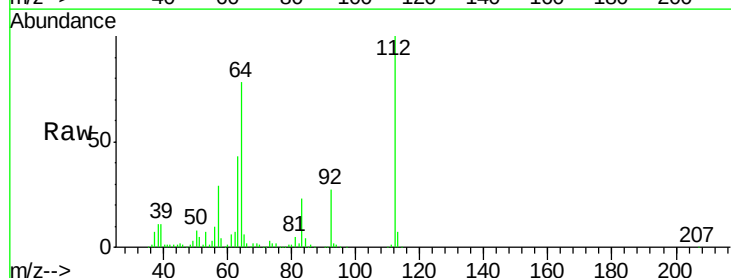


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

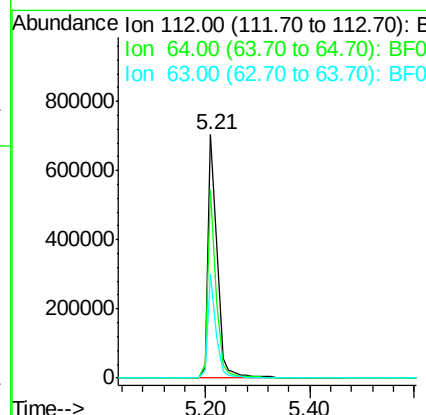
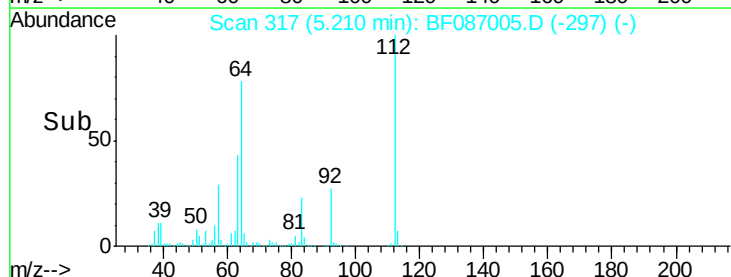


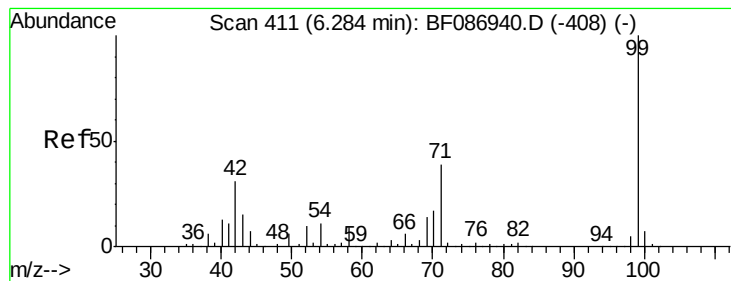
#5
 2-Fluorophenol
 Concen: 111.65 ng
 RT: 5.21 min Scan# 317
 Delta R.T. -0.08 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Tgt Ion:112 Resp: 867869
 Ion Ratio Lower Upper
 112 100
 64 77.5 52.1 78.1
 63 42.8 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: 116.46 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

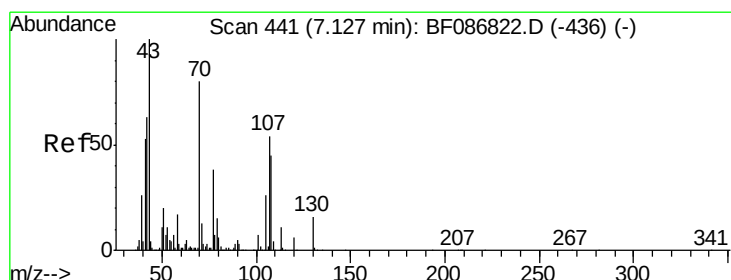
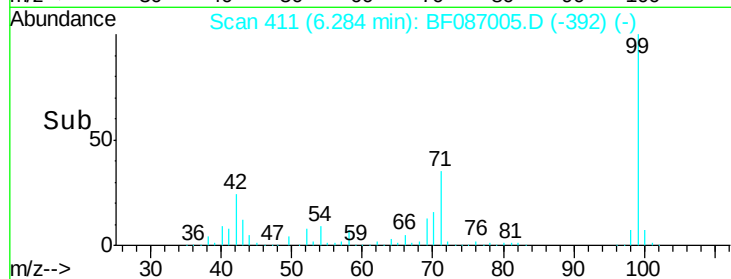
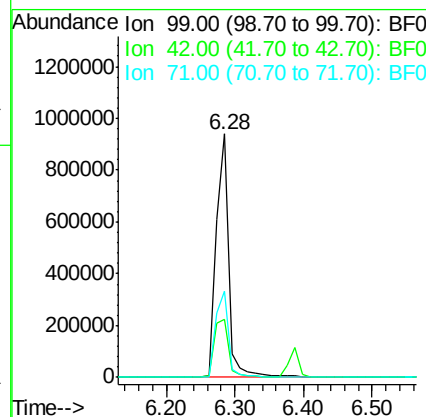
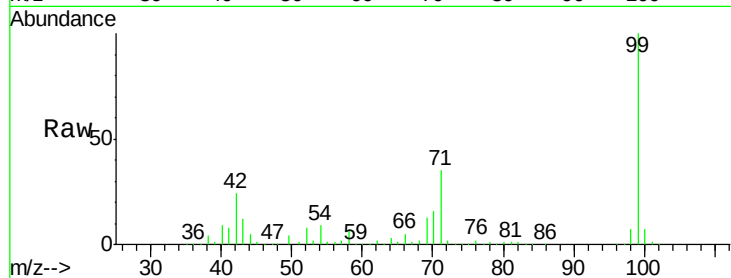
BNA_F

ClientSampleId :

WC-2

Tgt Ion: 99 Resp: 1209935

Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.6	20.4#
71	35.2	24.6	36.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.47 ng

RT: 7.19 min Scan# 490

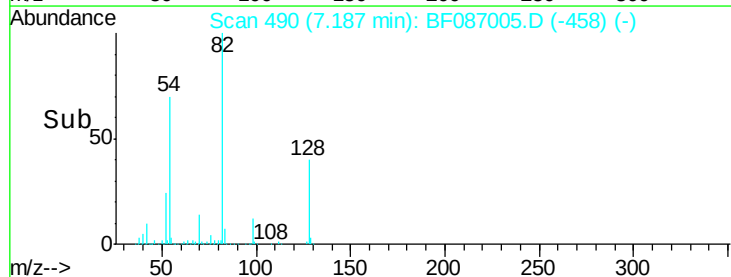
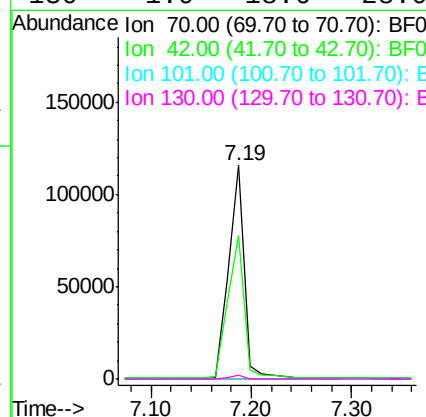
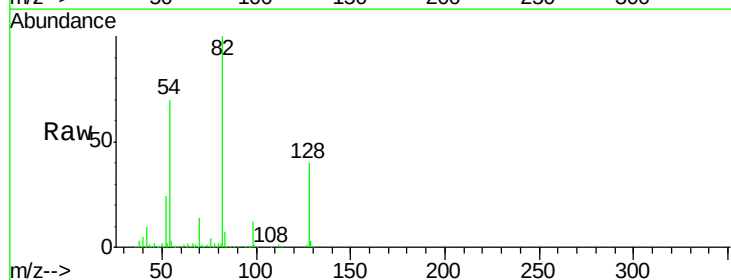
Delta R.T. 0.06 min

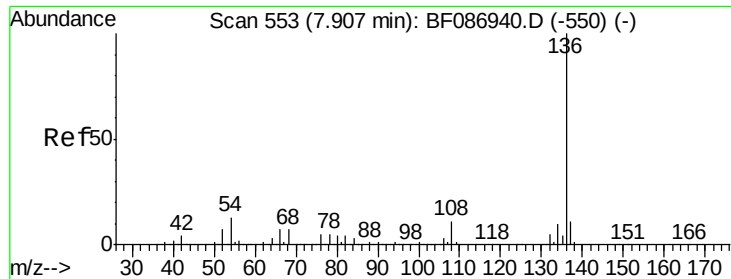
Lab File: BF087005.D

Acq: 14 May 2016 8:00

Tgt Ion: 70 Resp: 126863

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#

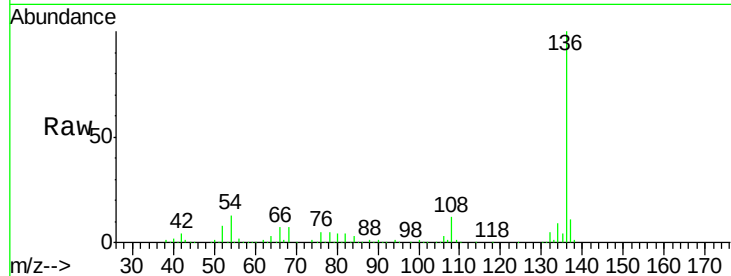




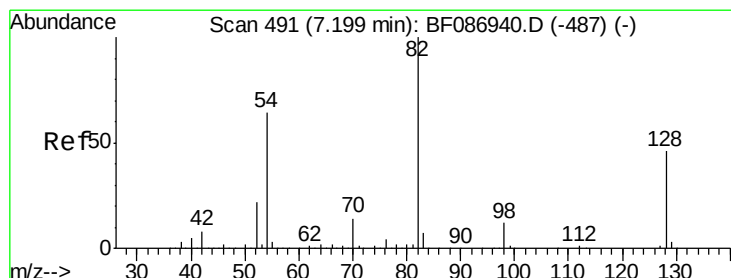
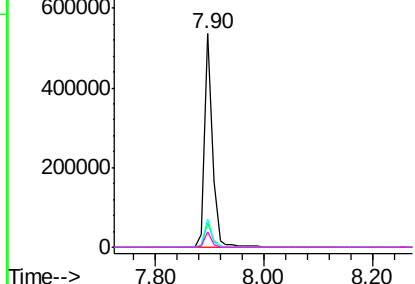
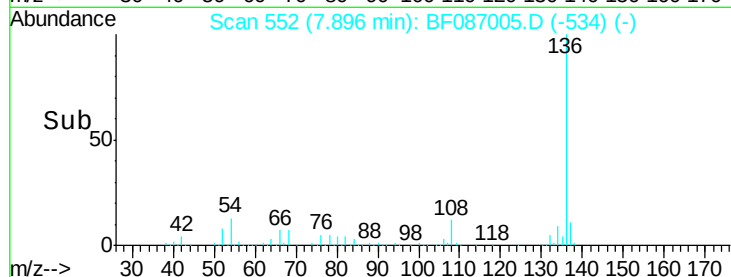
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	535537
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	13.5	5.0	7.4#
68	6.9	4.4	6.6#

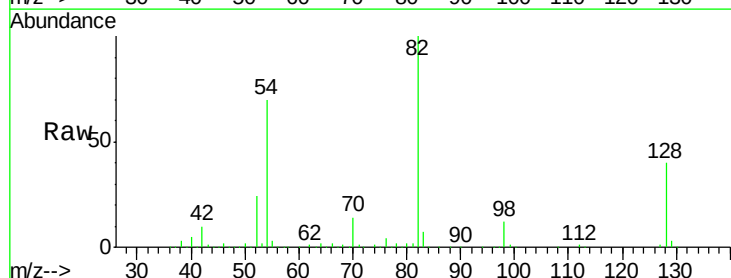


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

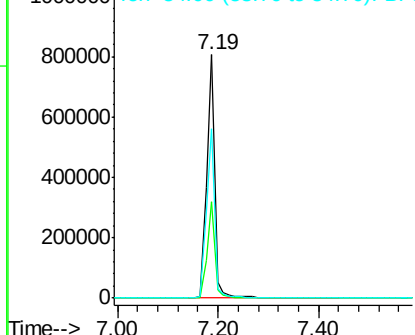
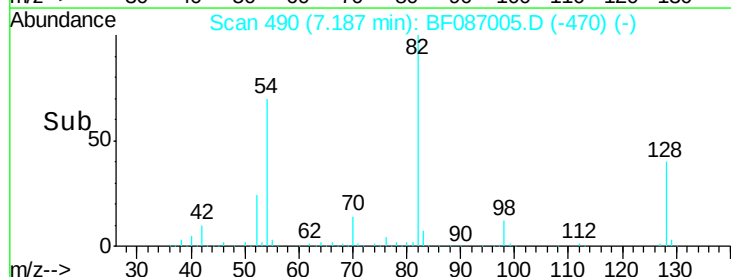


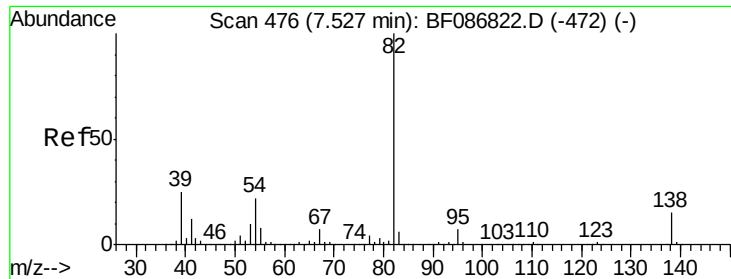
#23
Nitrobenzene-d5
Concen: 83.92 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Tgt Ion:	82	Resp:	895054
Ion Ratio	Lower	Upper	
82	100		
128	39.8	40.6	61.0#
54	69.6	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

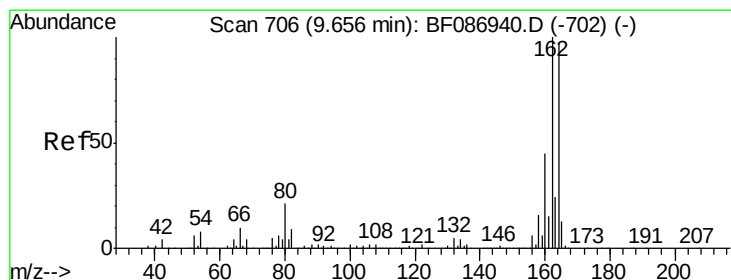
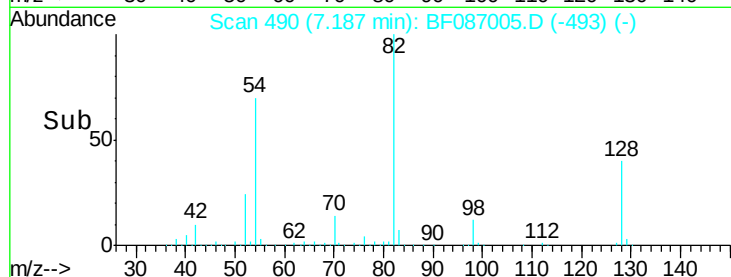
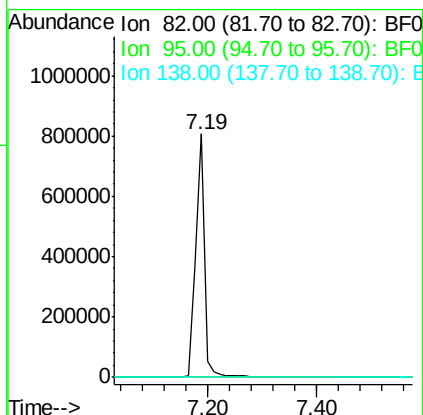
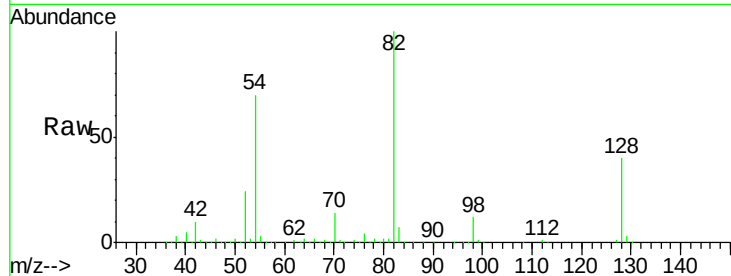




#25
Isophorone
Concen: 44.50 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

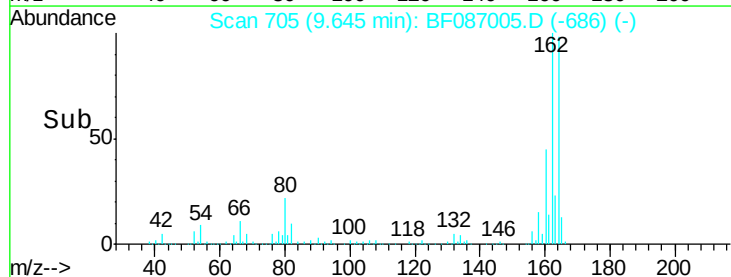
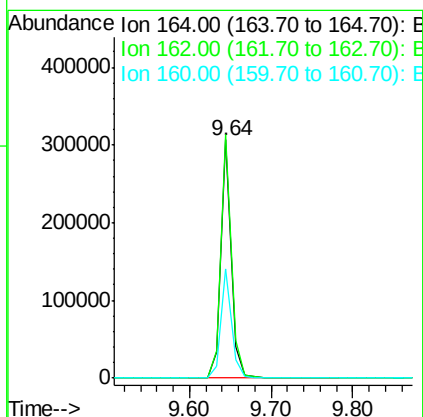
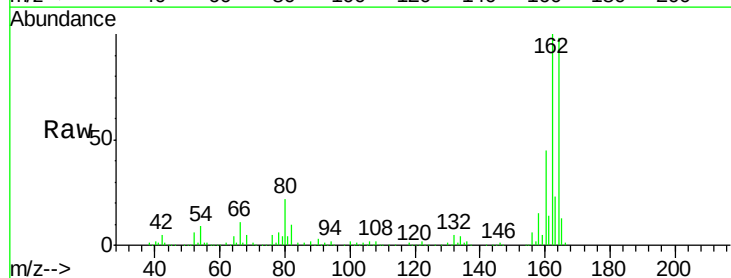
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ClientSampleId :
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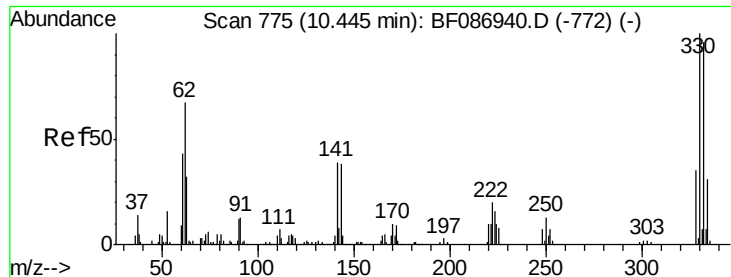
Tgt Ion: 82 Resp: 880529
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Tgt Ion: 164 Resp: 268821
Ion Ratio Lower Upper
164 100
162 102.1 82.8 124.2
160 45.7 36.9 55.3

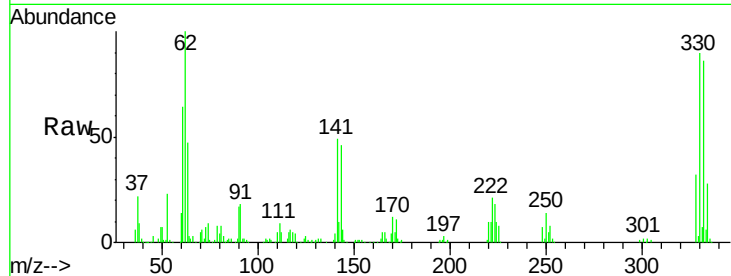




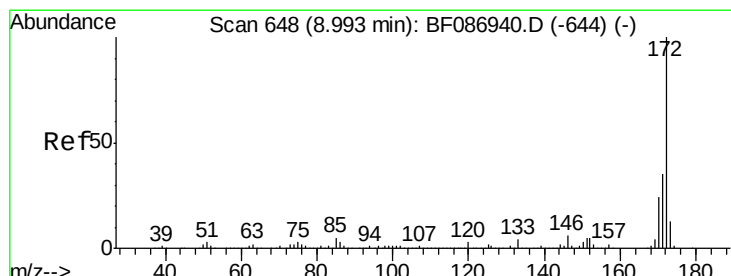
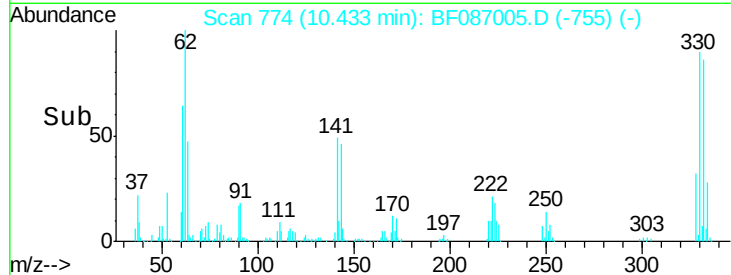
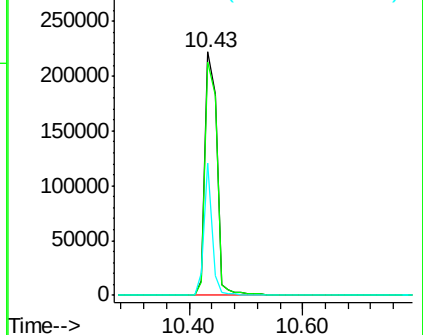
#41
 2,4,6-Tribromophenol
 Concen: 108.57 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:330 Resp: 308988
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 37.2 31.2 46.8

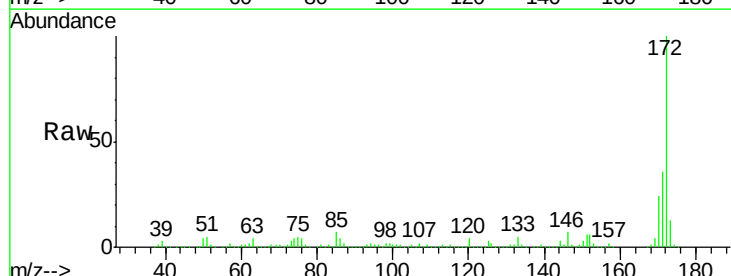


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

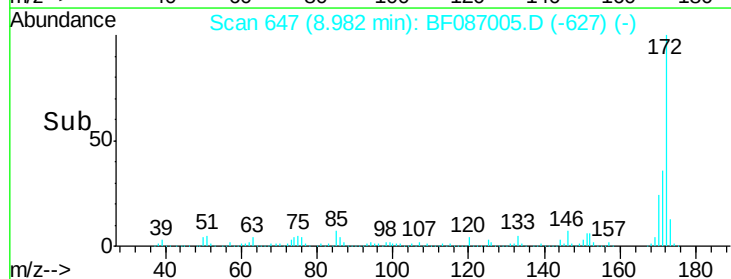
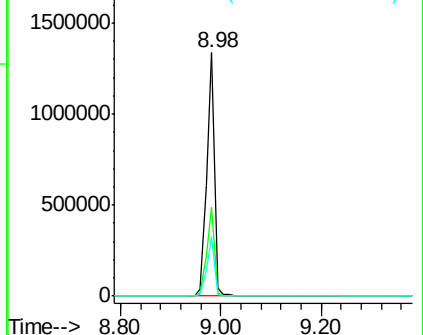


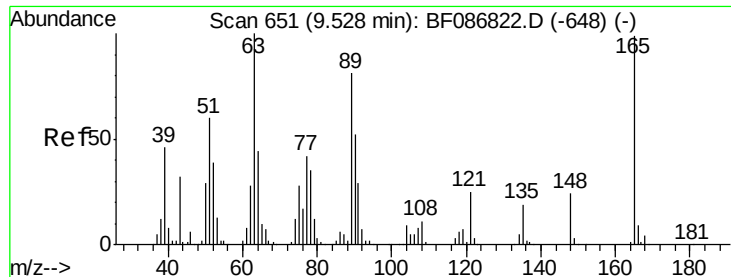
#44
 2-Fluorobiphenyl
 Concen: 89.27 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Tgt Ion:172 Resp: 1427831
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.4 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: 7.92 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.12 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

BNA_F

ClientSampleId :

WC-2

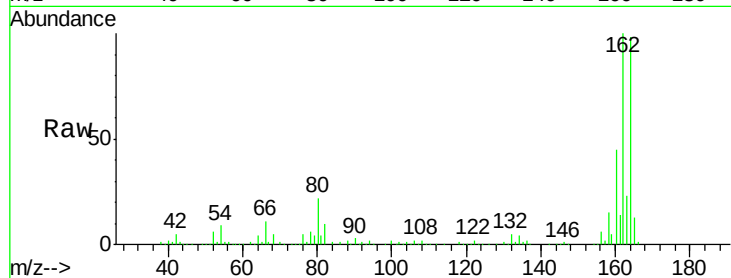
Tgt Ion:165 Resp: 34190

Ion Ratio Lower Upper

165 100

63 2.0 51.8 77.8#

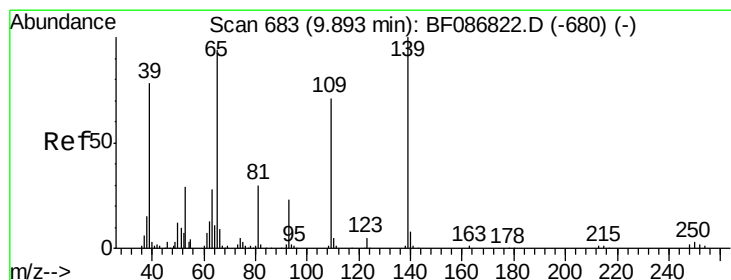
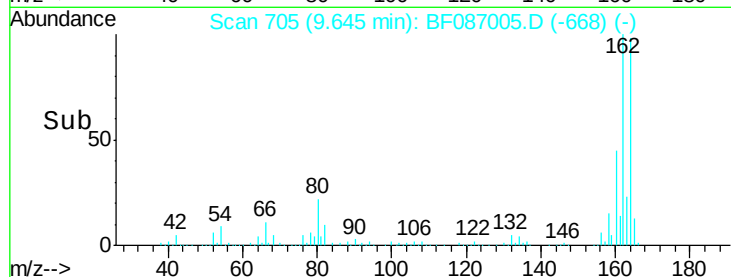
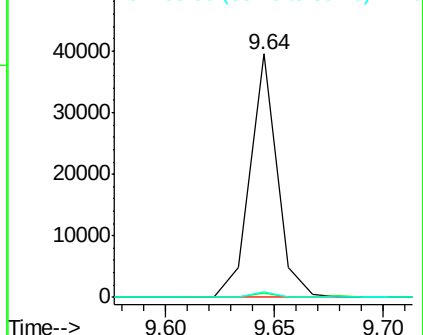
89 2.0 50.7 76.1#



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



#55

4-Nitrophenol

Concen: 4.65 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

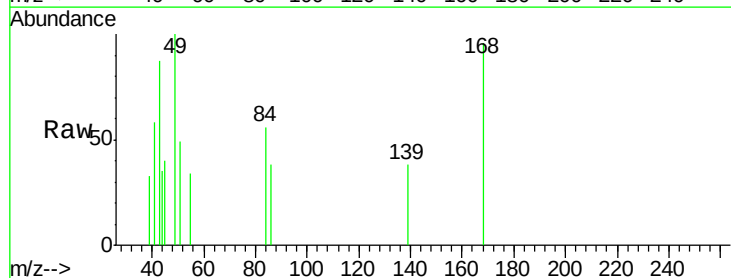
Tgt Ion:139 Resp: 287

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

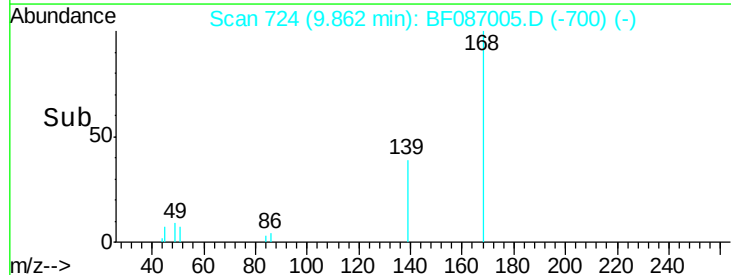
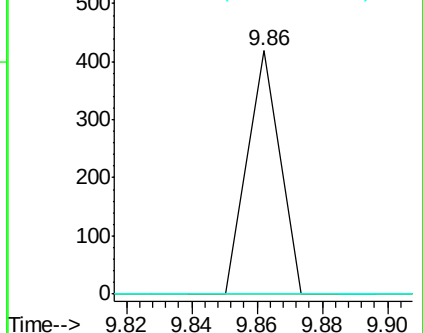
65 0.0 64.0 104.0#

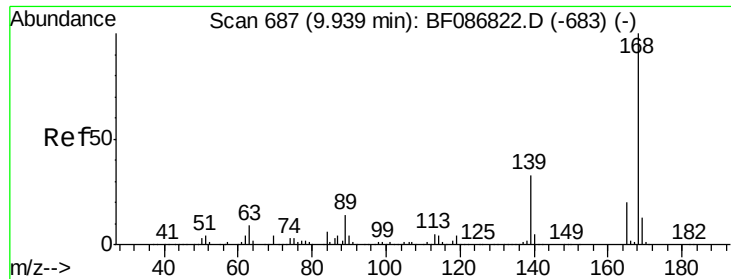


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

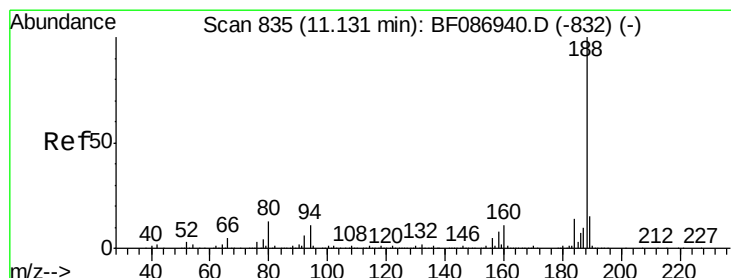
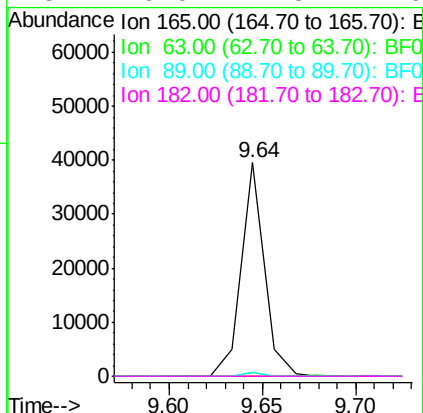
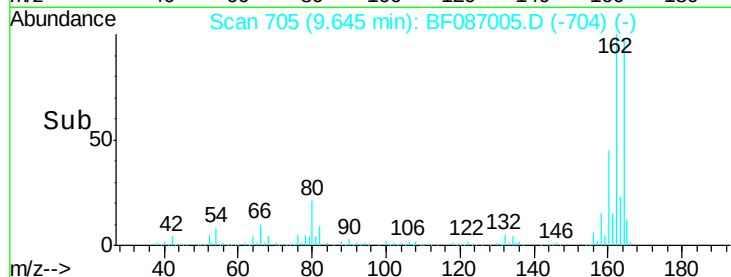
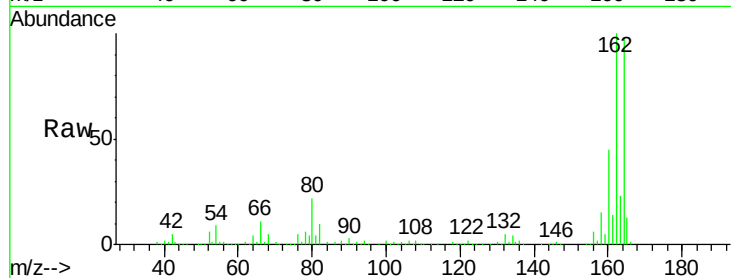




#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

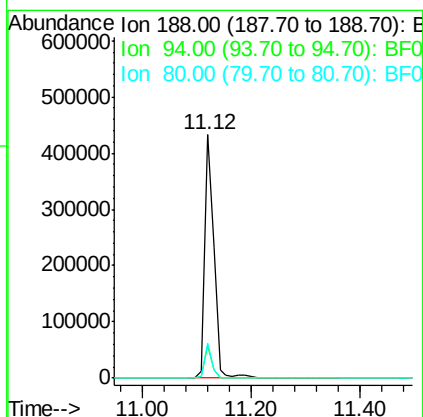
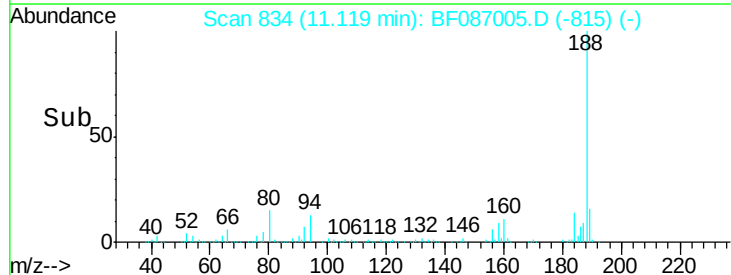
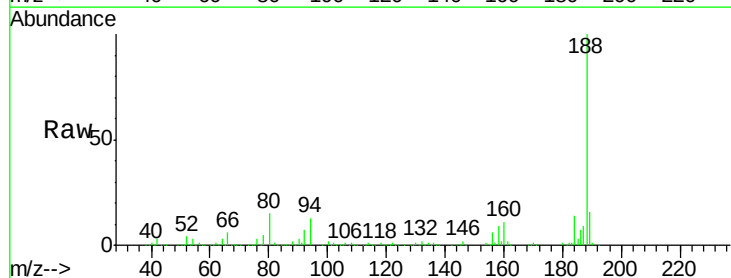
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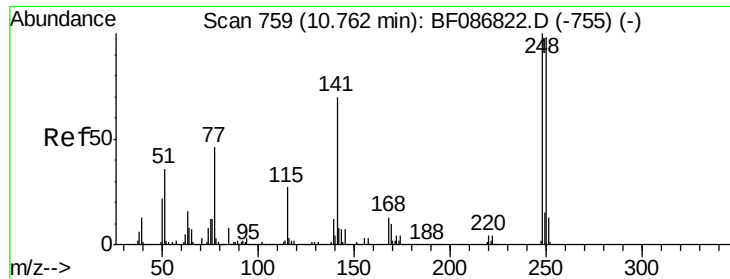
Tgt Ion:165 Resp: 34192
 Ion Ratio Lower Upper
 165 100
 63 2.0 44.3 66.5#
 89 2.0 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Tgt Ion:188 Resp: 494951
 Ion Ratio Lower Upper
 188 100
 94 13.2 6.8 10.2#
 80 14.6 7.1 10.7#

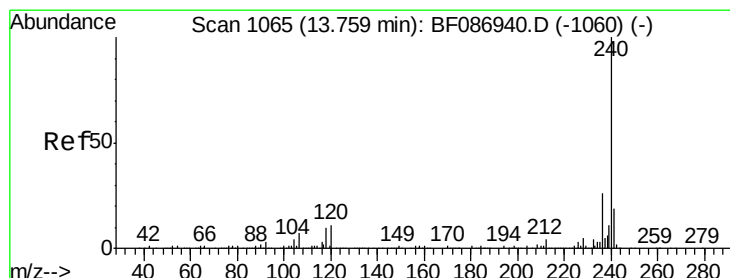
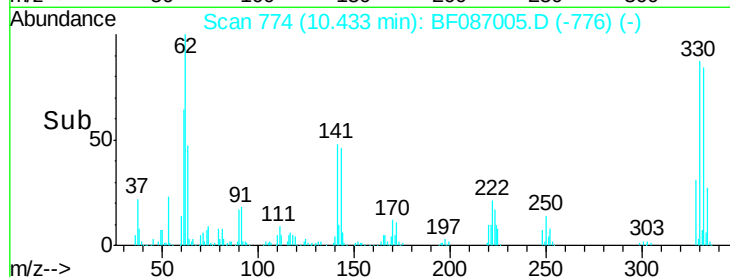
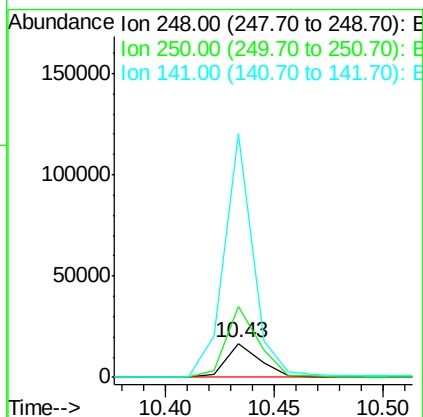
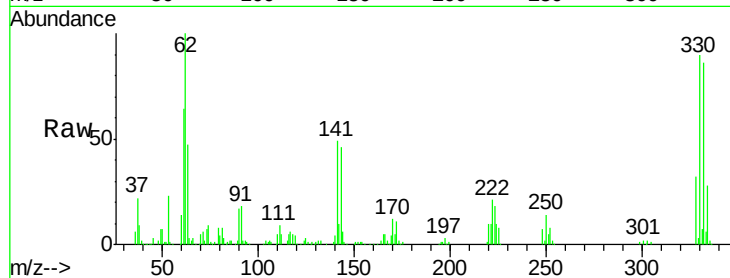




#66
4-Bromophenyl-phenylether
Concen: 3.56 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

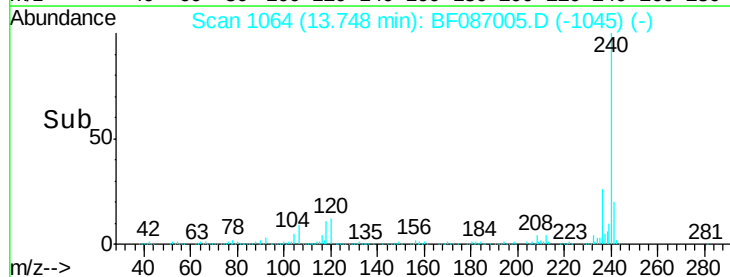
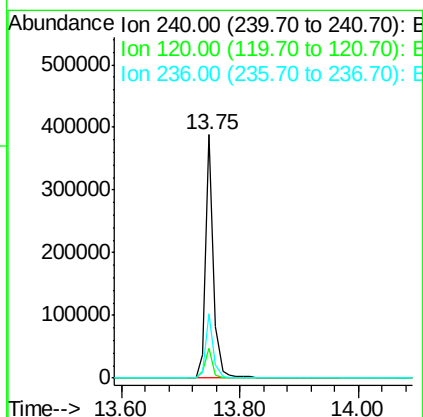
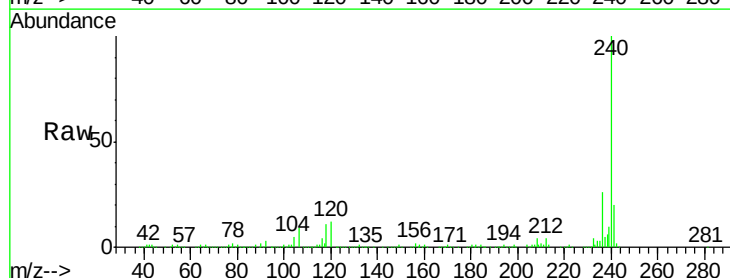
Instrument :
BNA_F
ClientSampleId :
WC-2

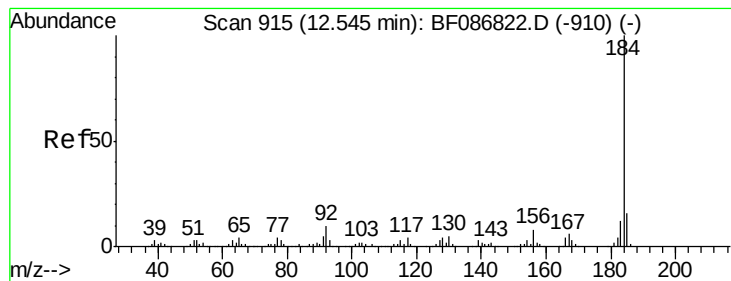
Tgt Ion:248 Resp: 17852
Ion Ratio Lower Upper
248 100
250 206.5 78.6 117.8#
141 714.7 76.0 114.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.09 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Tgt Ion:240 Resp: 369626
Ion Ratio Lower Upper
240 100
120 12.4 11.2 16.8
236 26.4 21.2 31.8





#76

Benzidine

Concen: 6.28 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.08 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

BNA_F

ClientSampled :

WC-2

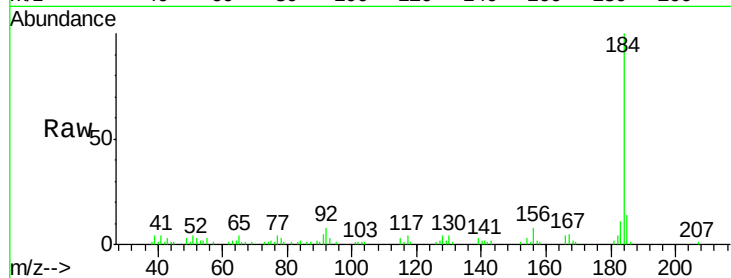
Tgt Ion:184 Resp: 59211

Ion Ratio Lower Upper

184 100

185 14.0 13.6 20.4

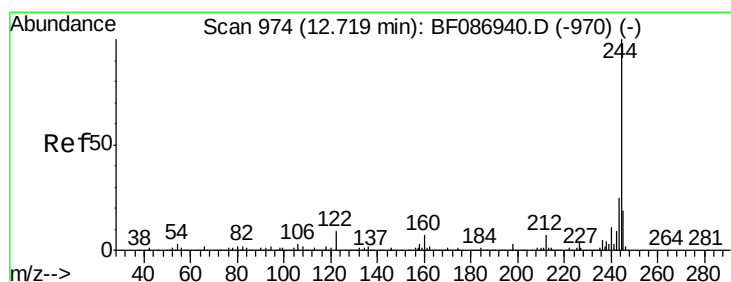
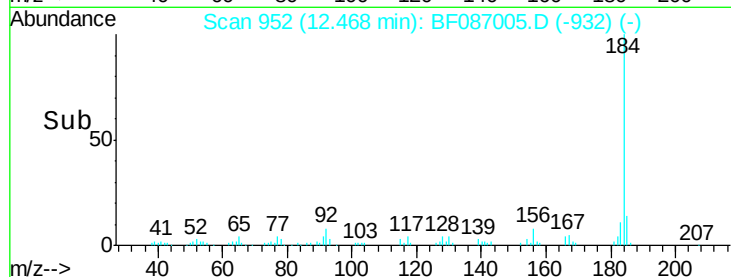
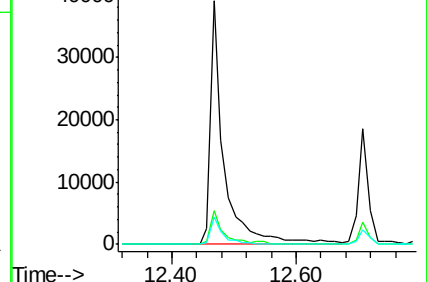
183 11.1 9.8 14.6



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: 74.49 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

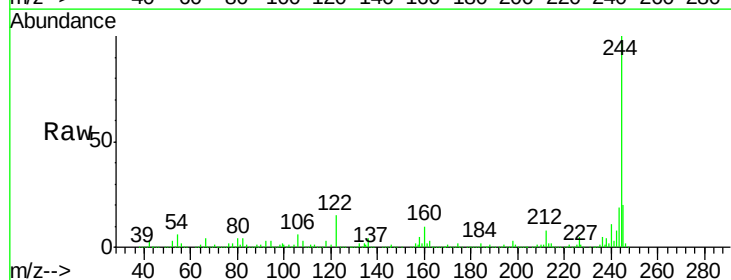
Tgt Ion:244 Resp: 1297736

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

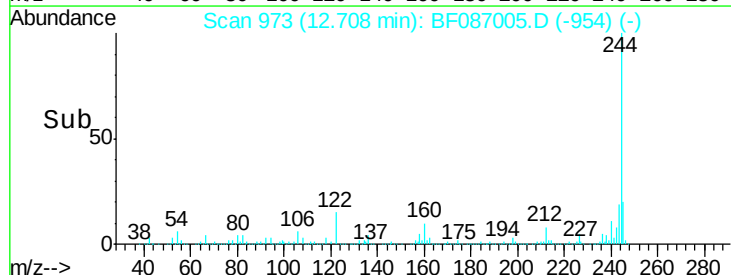
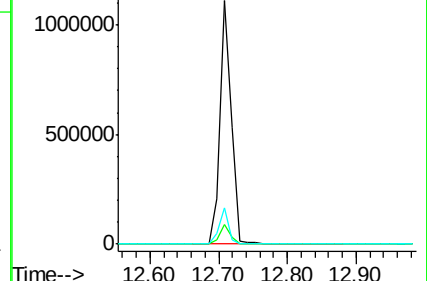
122 14.8 12.0 18.0

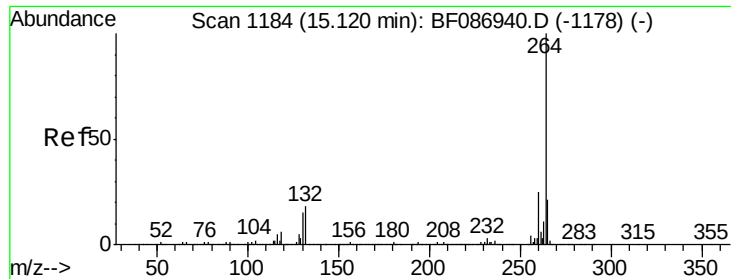


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.3	25.9

