

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087091.D
 Acq On : 16 May 2016 19:53
 Operator : UM/SJ
 Sample : H3074-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

Quant Time: May 17 00:56:59 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

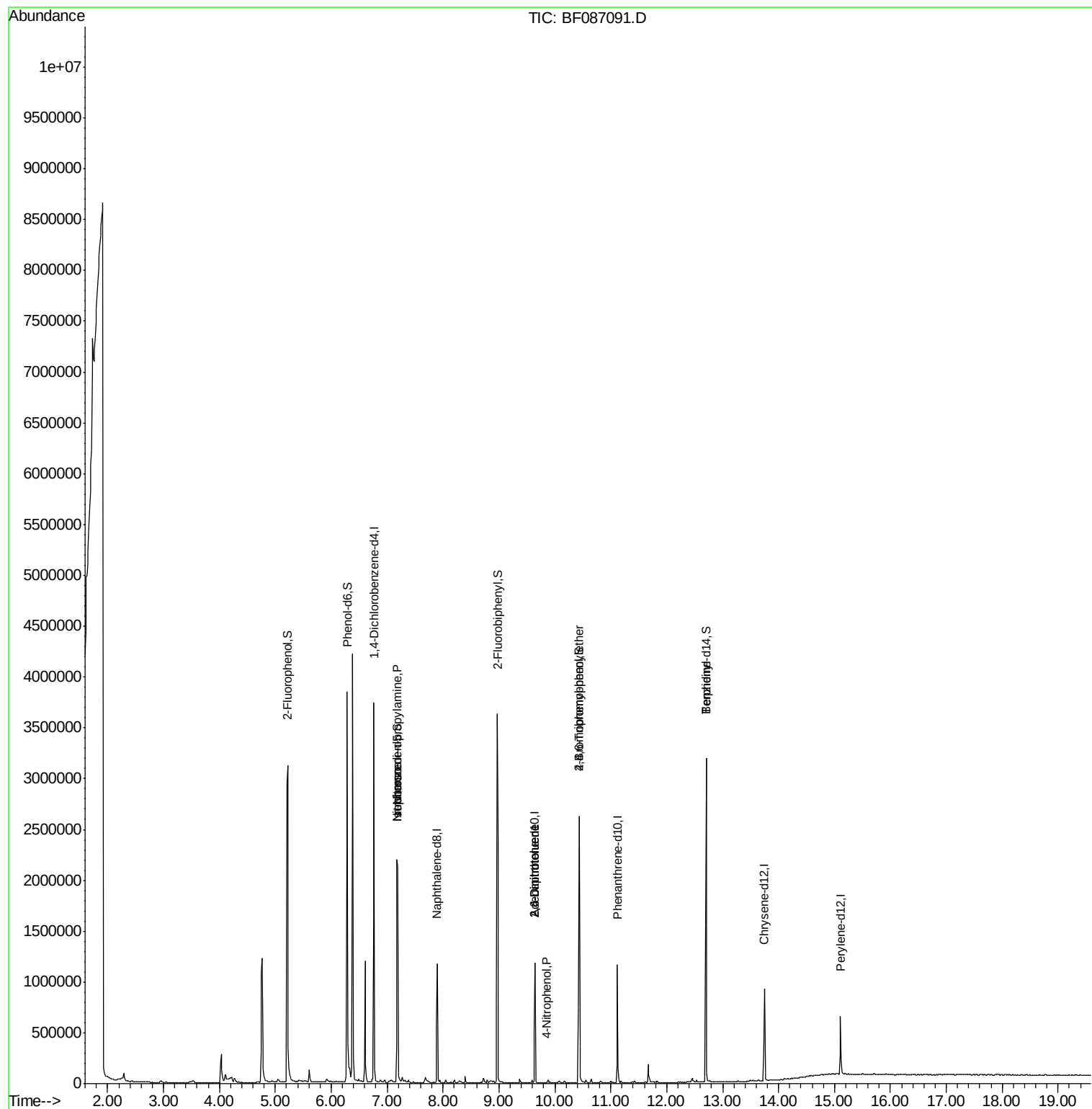
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	543335	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	583771	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	246472	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	383748	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	302350	20.00	ng	-0.09
86) Perylene-d12	15.11	264	231351	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1150262	35.85	ng	-0.07
7) Phenol-d6	6.28	99	1481455	34.55	ng	-0.08
23) Nitrobenzene-d5	7.19	82	1053768	90.64	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	276894	106.12	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	1526812	104.11	ng	-0.09
78) Terphenyl-d14	12.71	244	1041710	73.10	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	146697	4.90	ng	# 69
25) Isophorone	7.19	82	968898	44.92	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	31556	7.97	ng	# 21
55) 4-Nitrophenol	9.85	139	498	4.73	ng	# 14
56) 2,4-Dinitrotoluene	9.64	165	31558	6.44	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18165	4.67	ng	# 1
76) Benzidine	12.71	184	16449	2.13	ng	# 95

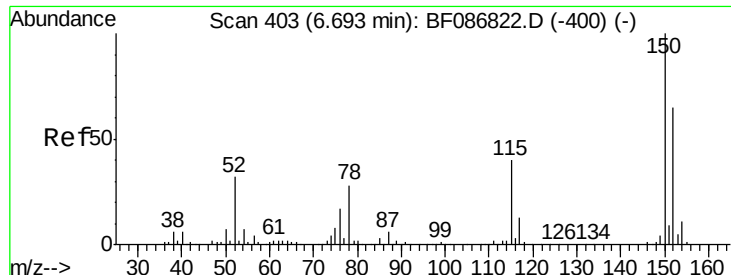
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

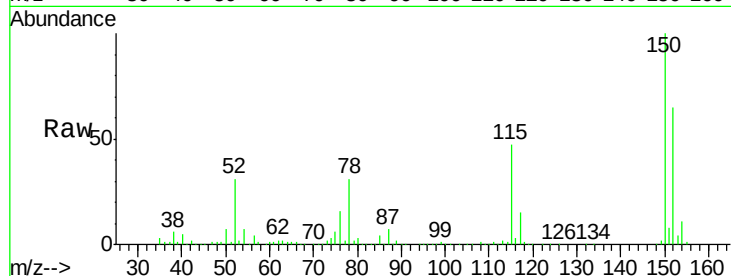
Tgt Ion:152 Resp: 543335

Ion Ratio Lower Upper

152 100

150 153.7 125.8 188.6

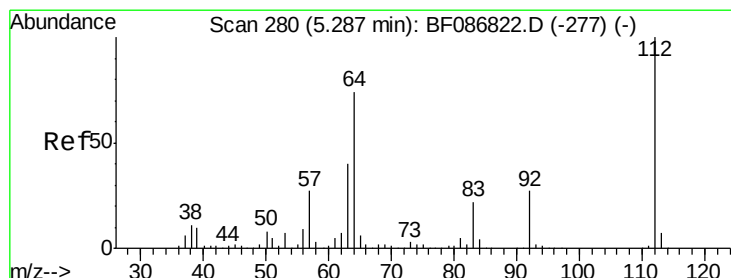
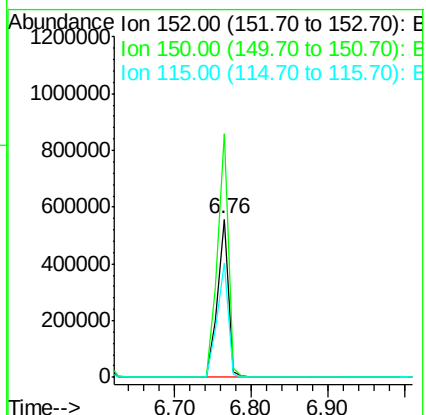
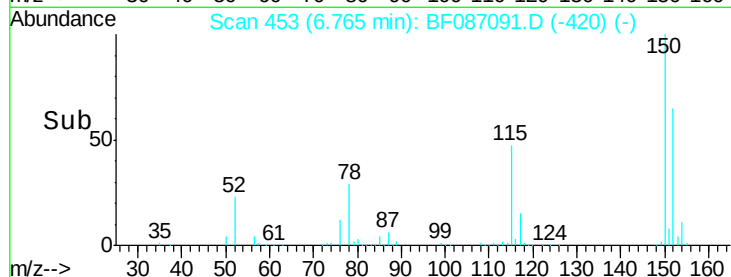
115 71.8 51.5 77.3



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: 35.85 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

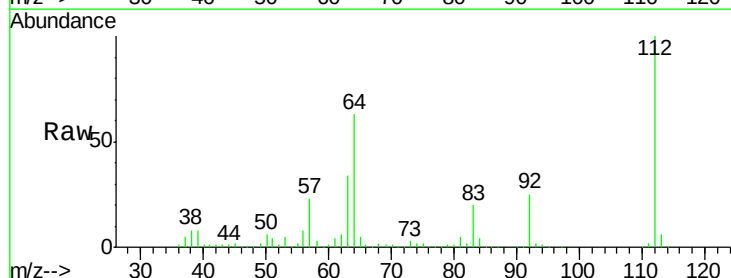
Tgt Ion:112 Resp: 1150262

Ion Ratio Lower Upper

112 100

64 63.4 52.1 78.1

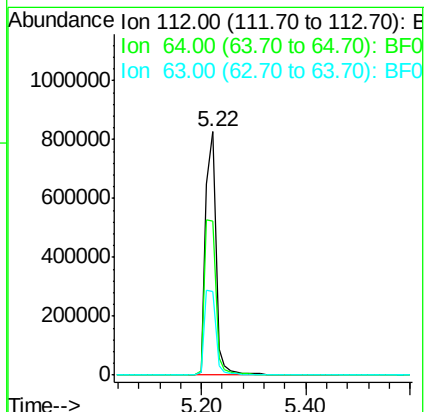
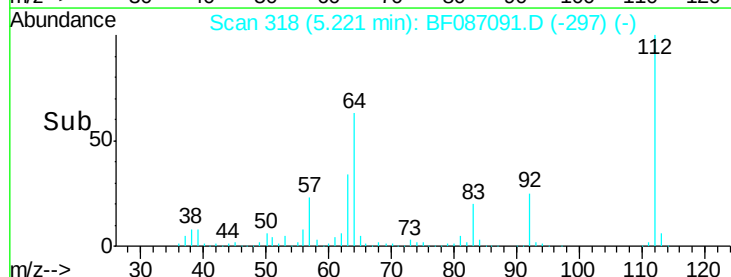
63 34.3 25.7 38.5

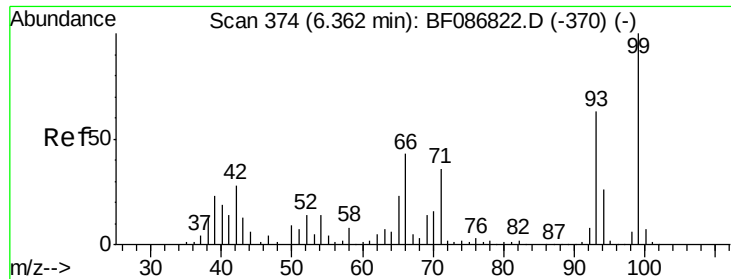


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.55 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

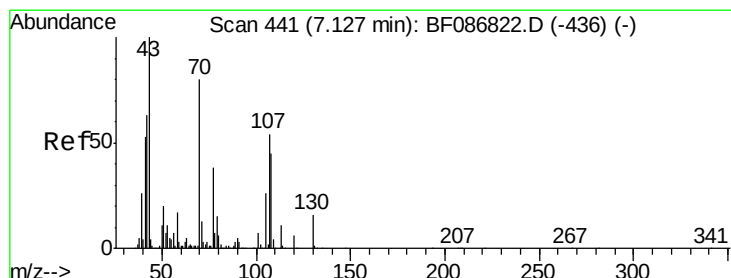
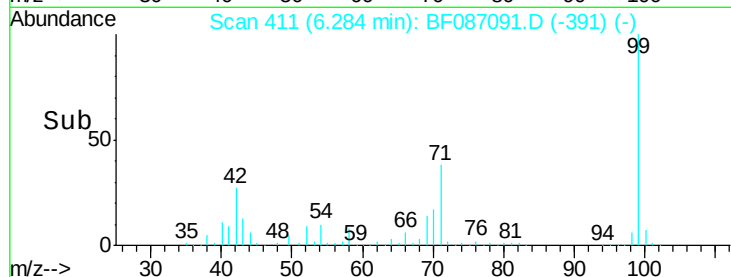
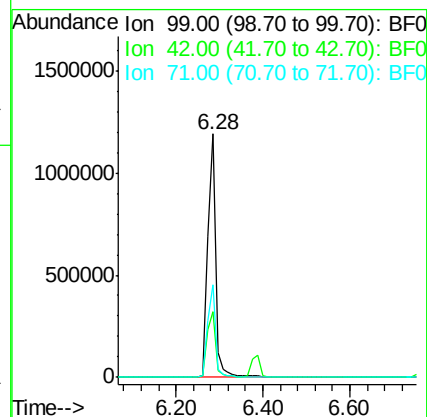
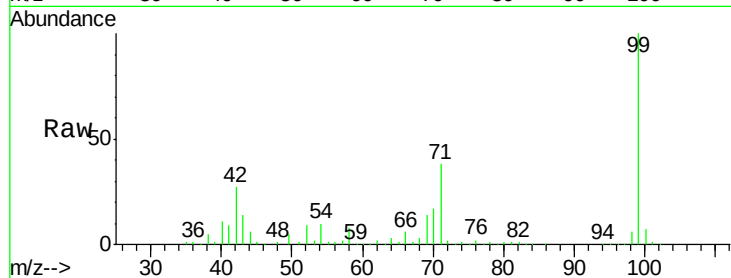
Tgt Ion: 99 Resp: 1481455

Ion Ratio Lower Upper

99 100

42 26.9 13.6 20.4#

71 37.8 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 4.90 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

Tgt Ion: 70 Resp: 146697

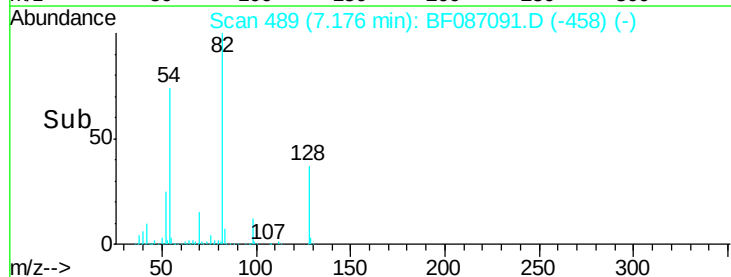
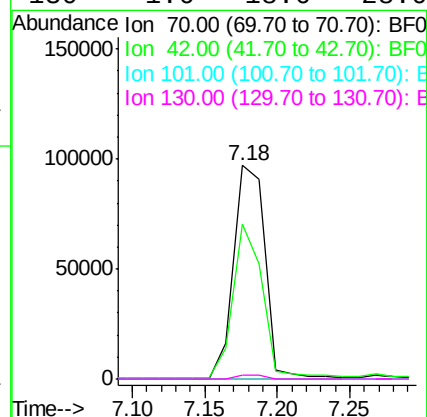
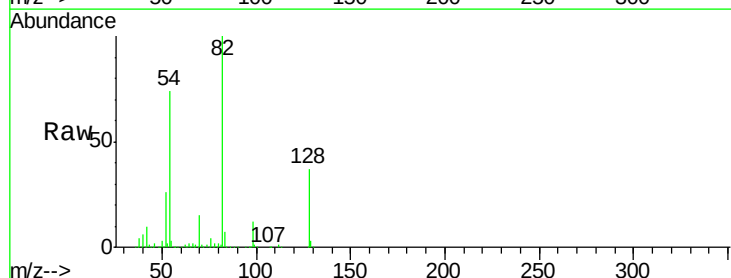
Ion Ratio Lower Upper

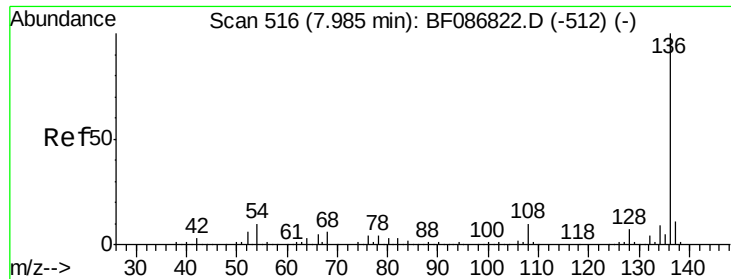
70 100

42 72.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

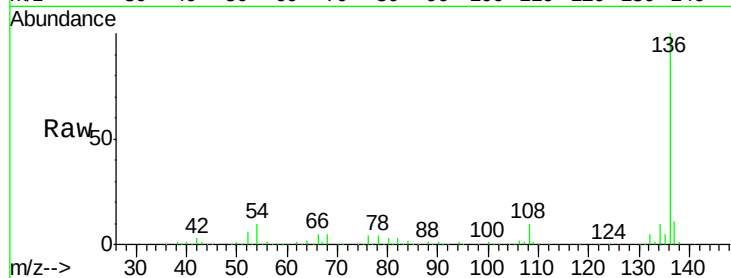




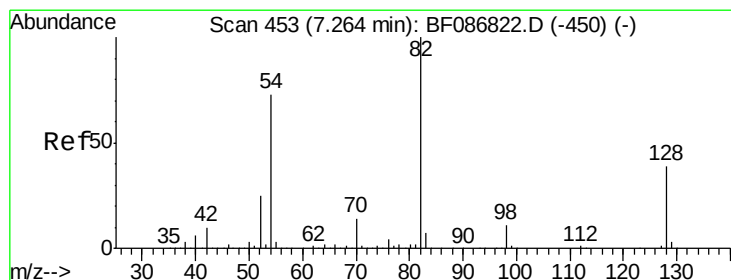
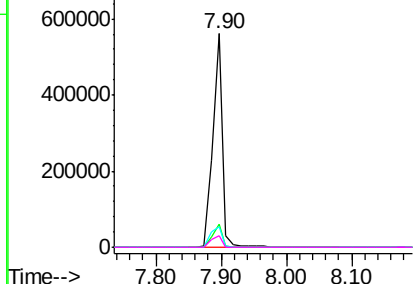
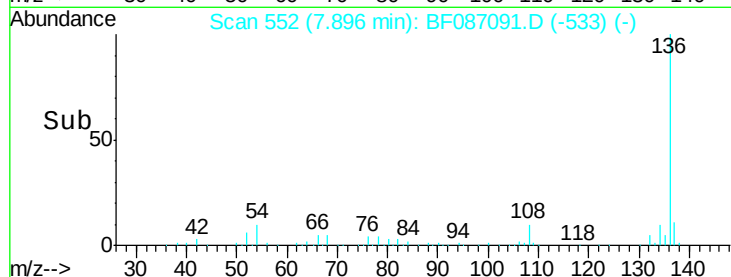
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087091.D
Acq: 16 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216

Tgt Ion: 136 Resp: 583771
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.9 5.0 7.4#
68 5.5 4.4 6.6

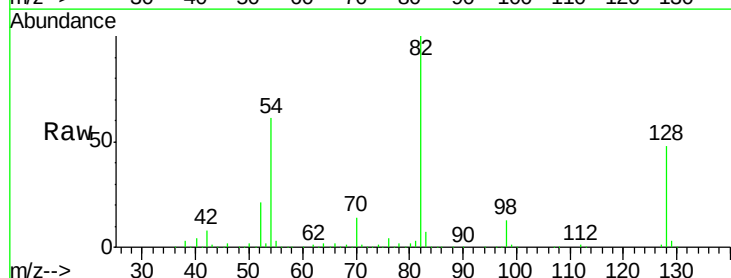


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

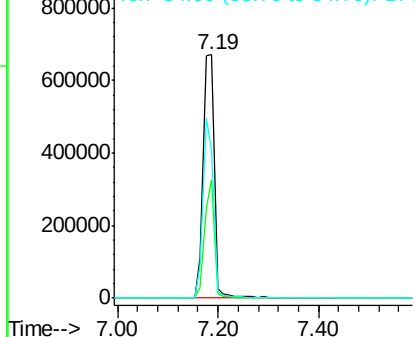
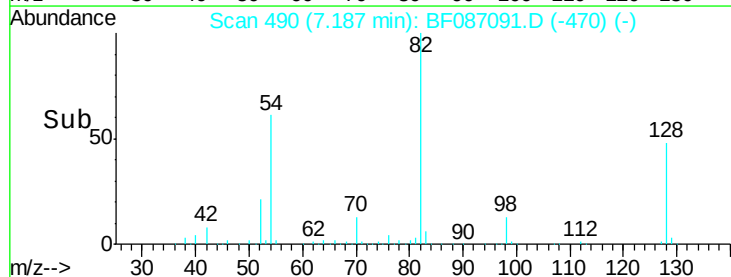


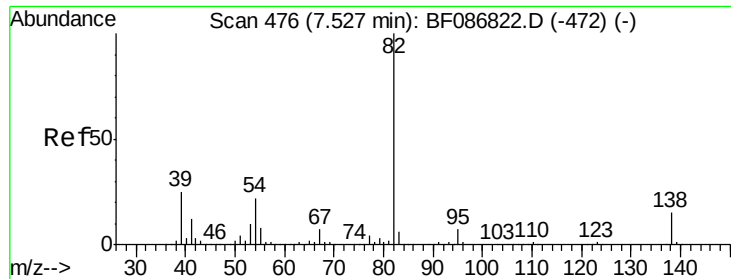
#23
Nitrobenzene-d5
Concen: 90.64 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087091.D
Acq: 16 May 2016 19:53

Tgt Ion: 82 Resp: 1053768
Ion Ratio Lower Upper
82 100
128 48.3 40.6 61.0
54 60.9 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: 44.92 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

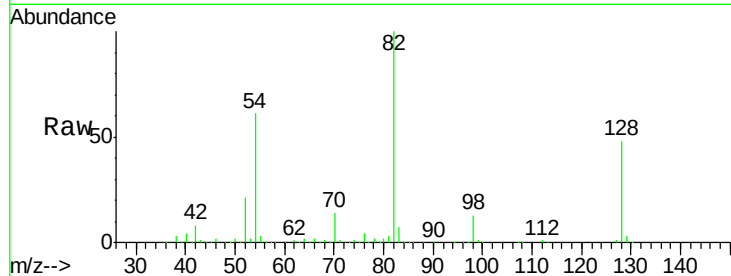
Tgt Ion: 82 Resp: 968898

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

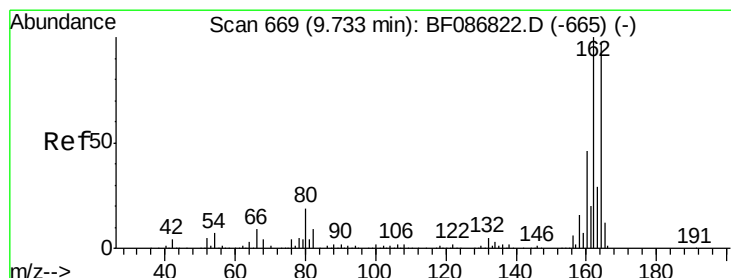
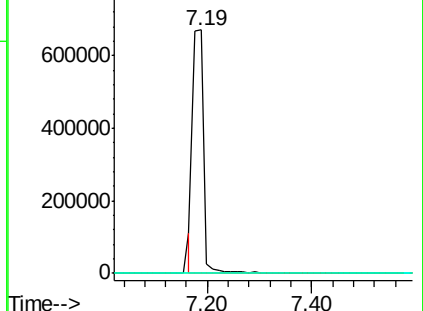
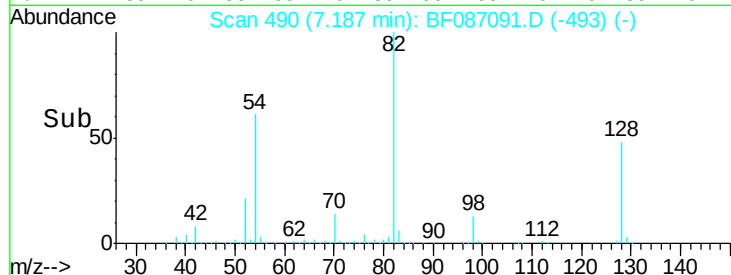
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

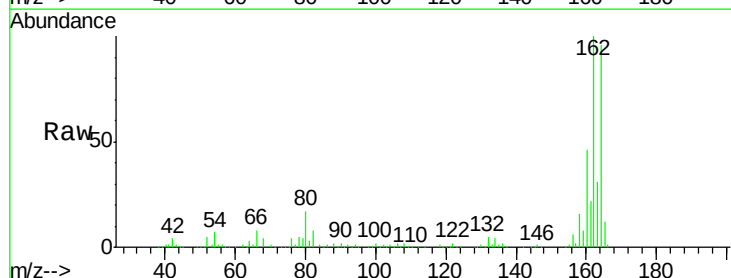
Tgt Ion: 164 Resp: 246472

Ion Ratio Lower Upper

164 100

162 104.1 82.8 124.2

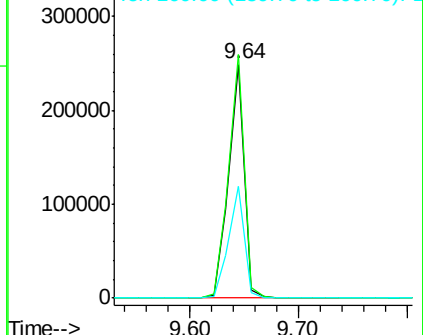
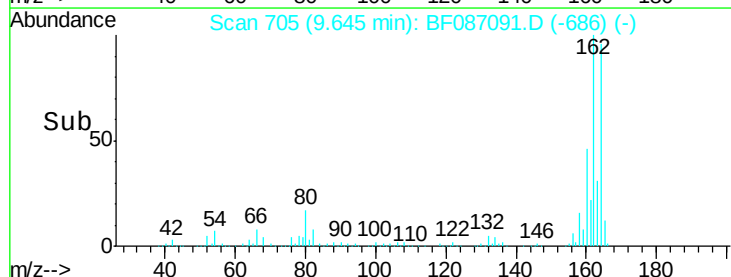
160 47.7 36.9 55.3

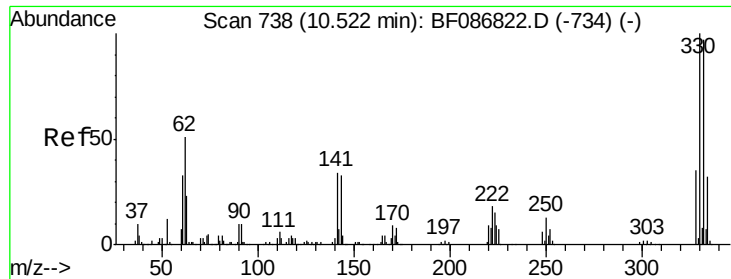


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

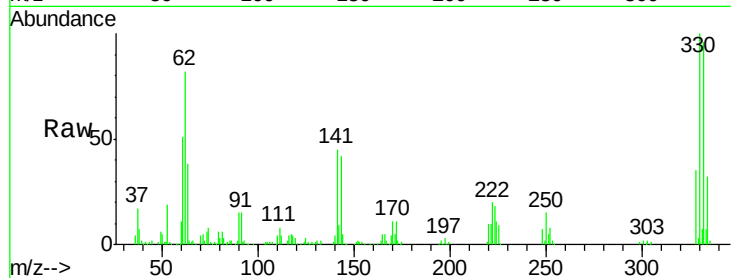




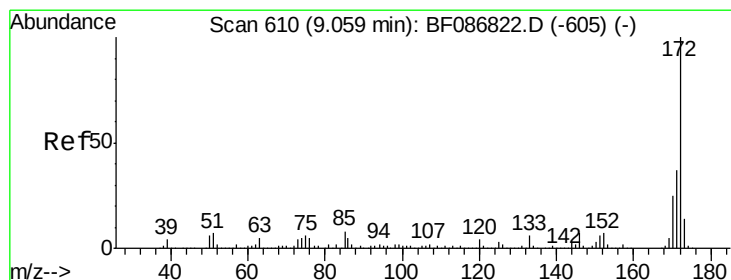
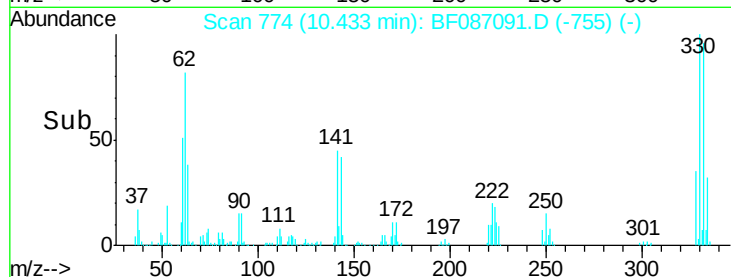
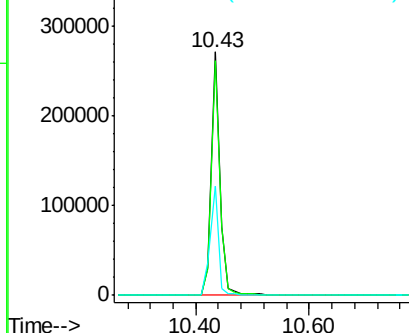
#41
 2,4,6-Tribromophenol
 Concen: 106.12 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

Tgt Ion:330 Resp: 276894
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.0 118.4
 141 43.5 31.2 46.8

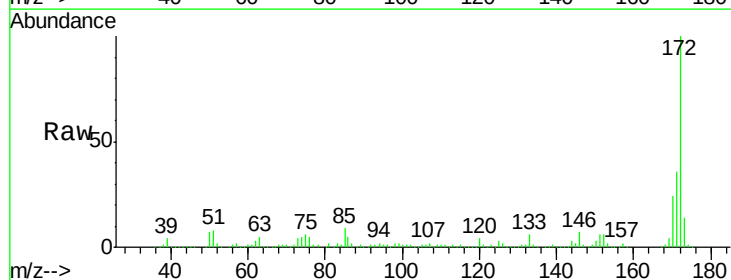


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

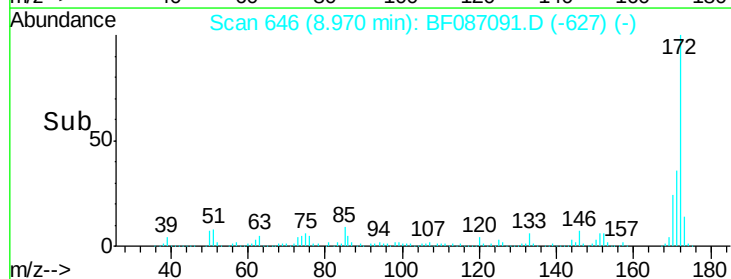
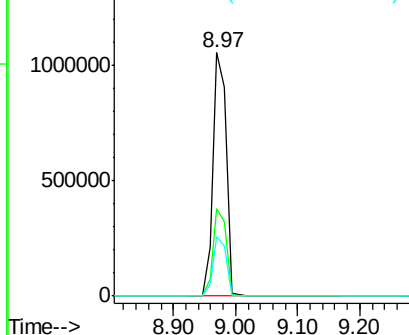


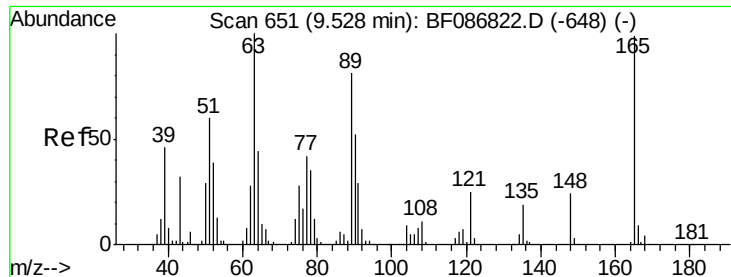
#44
 2-Fluorobiphenyl
 Concen: 104.11 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

Tgt Ion:172 Resp: 1526812
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.3 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

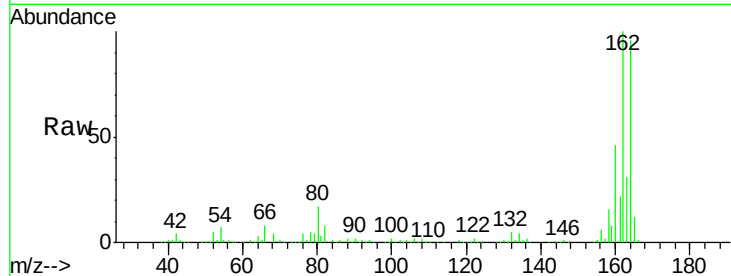




#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

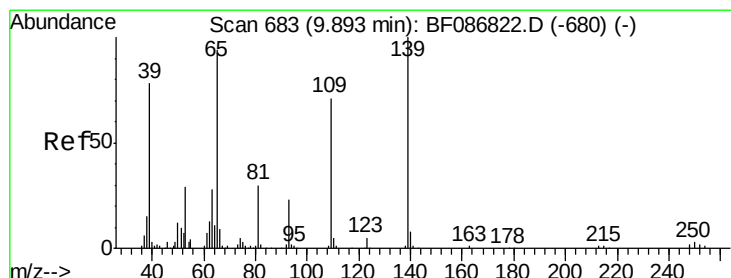
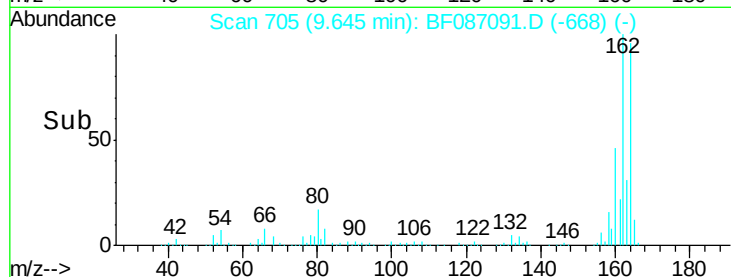
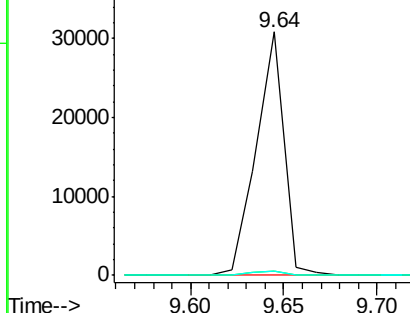
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	1.9	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

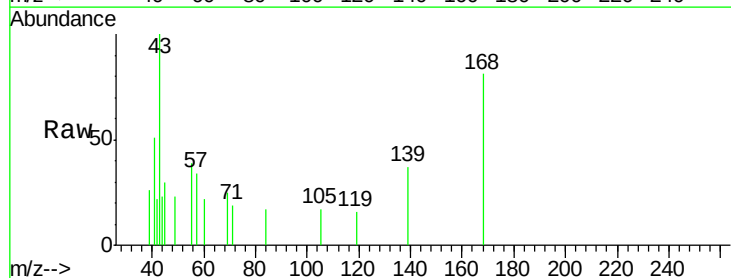
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
 4-Nitrophenol
 Concen: 4.73 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.04 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

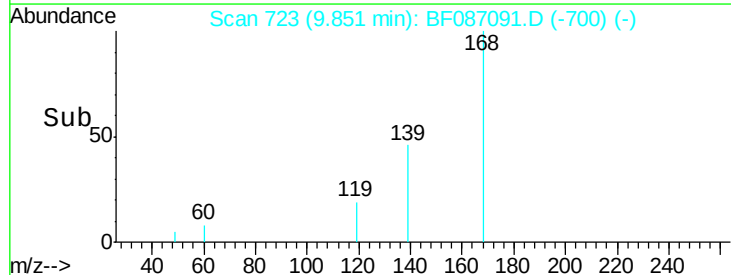
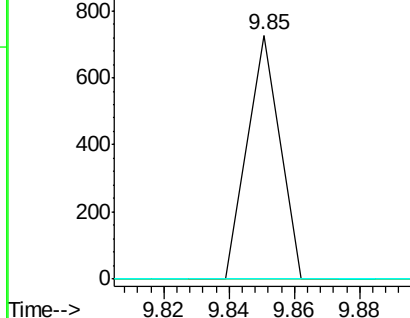
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.9	76.9#
65	0.0	64.0	104.0#

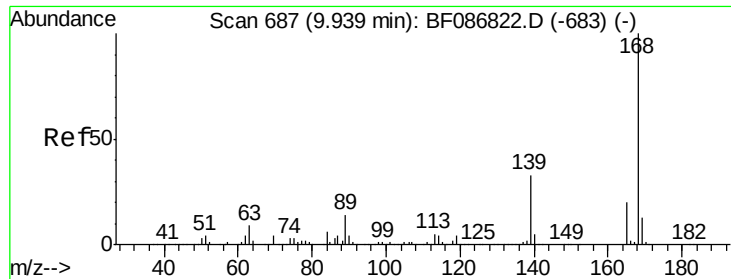


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

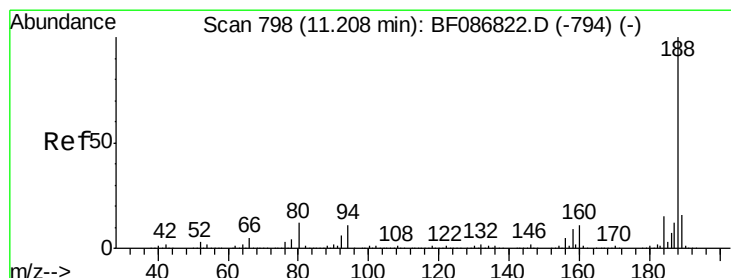
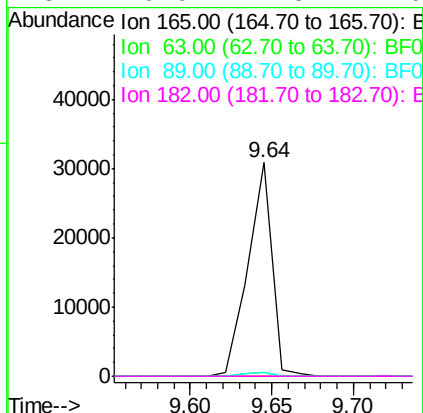
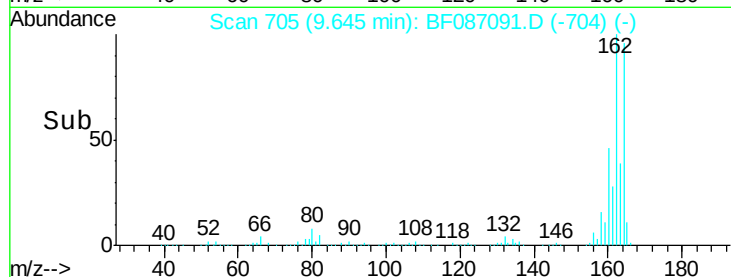
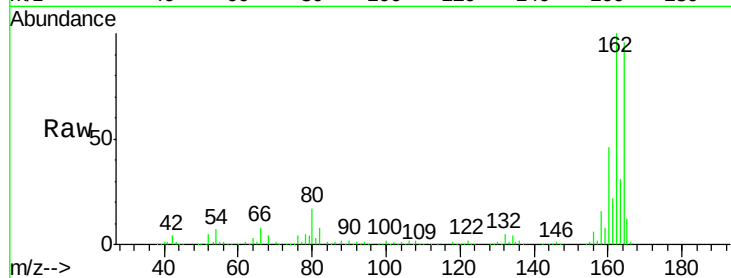




#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

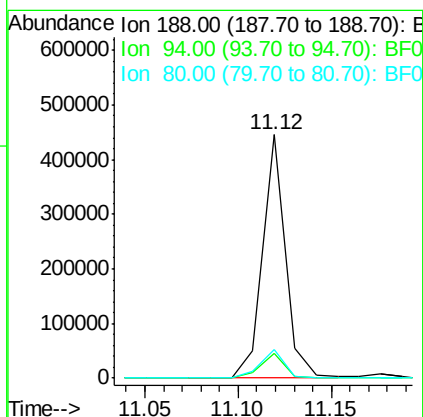
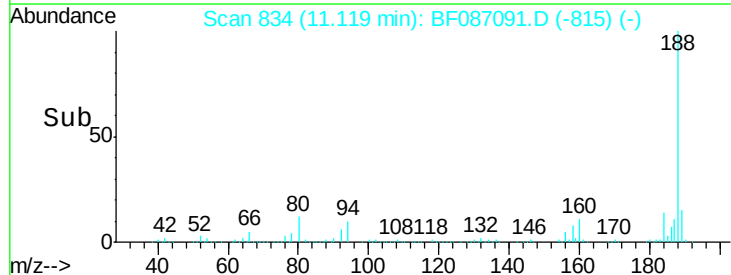
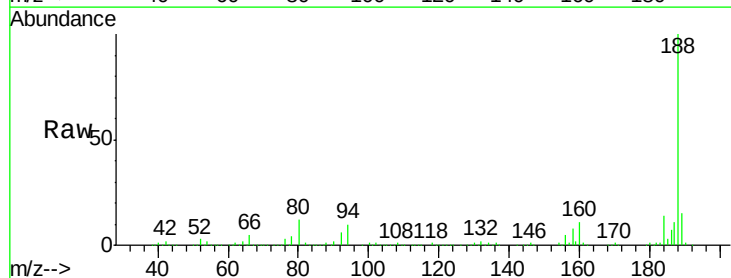
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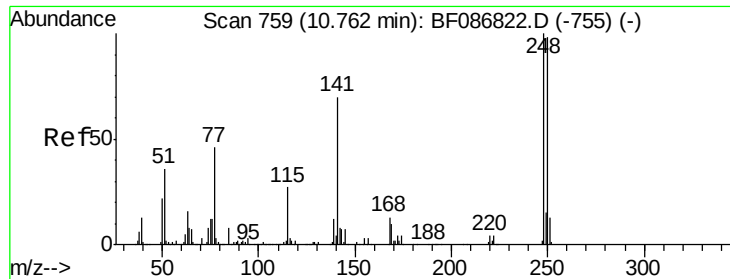
Tgt Ion:165 Resp: 31558
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.3 66.5#
 89 1.9 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

Tgt Ion:188 Resp: 383748
 Ion Ratio Lower Upper
 188 100
 94 10.4 6.8 10.2#
 80 11.7 7.1 10.7#

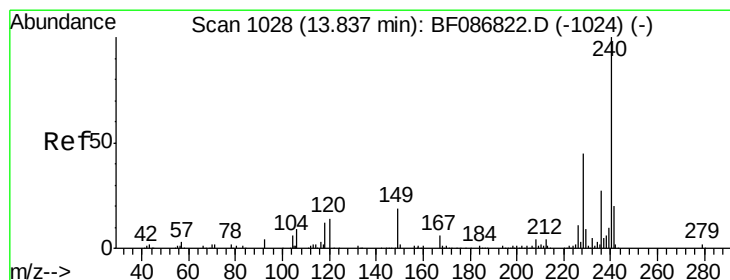
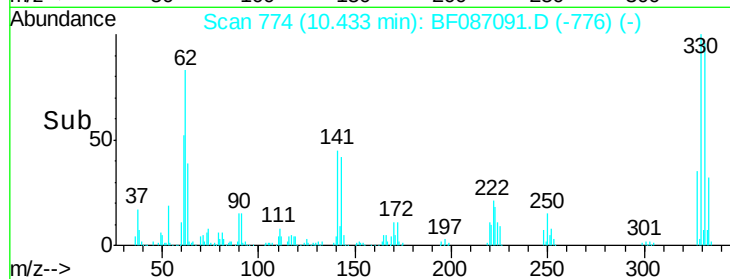
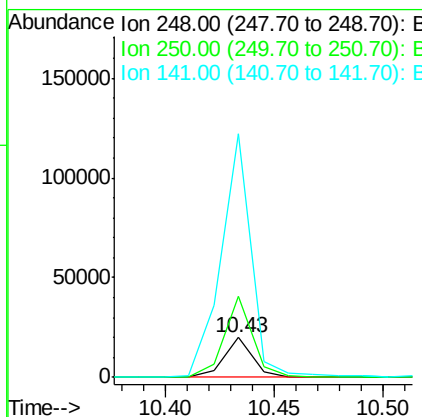
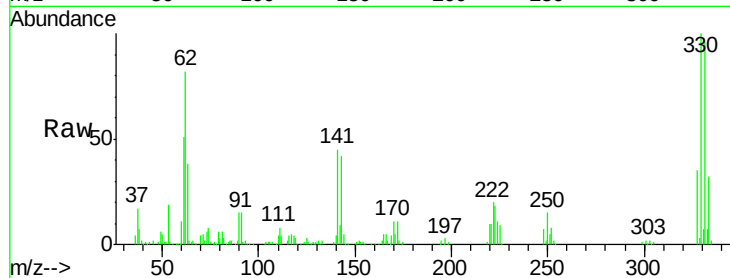




#66
 4-Bromophenyl-phenylether
 Concen: 4.67 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.33 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

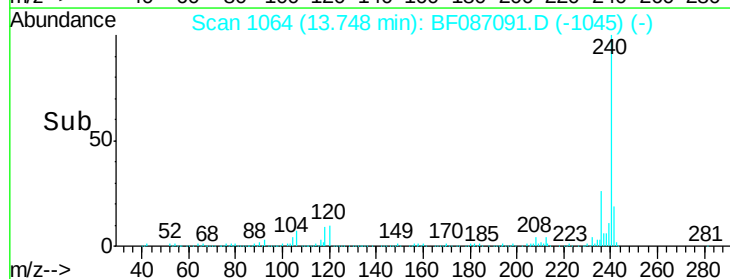
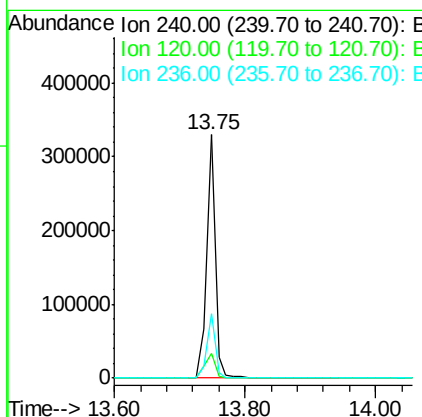
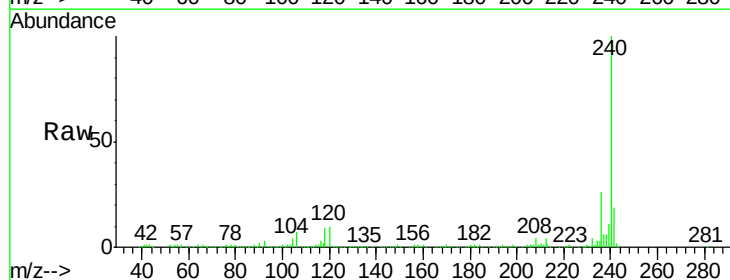
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

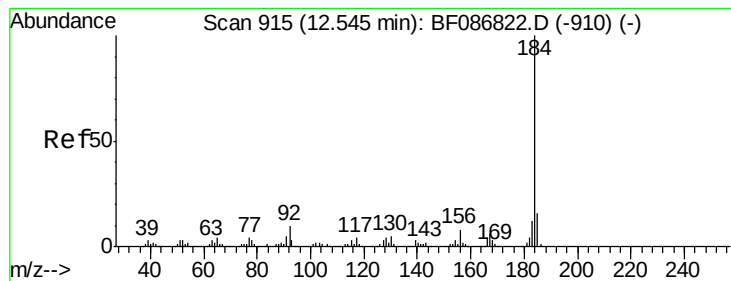
Tgt Ion:248 Resp: 18165
 Ion Ratio Lower Upper
 248 100
 250 201.5 78.6 117.8#
 141 608.7 76.0 114.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.09 min
 Lab File: BF087091.D
 Acq: 16 May 2016 19:53

Tgt Ion:240 Resp: 302350
 Ion Ratio Lower Upper
 240 100
 120 10.4 11.2 16.8#
 236 26.4 21.2 31.8





#76

Benzidine

Concen: 2.13 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

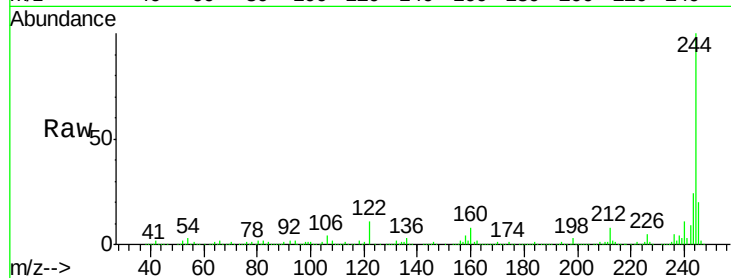
Tgt Ion:184 Resp: 16449

Ion Ratio Lower Upper

184 100

185 17.2 13.6 20.4

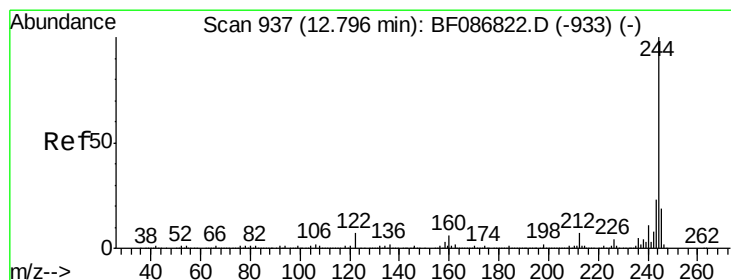
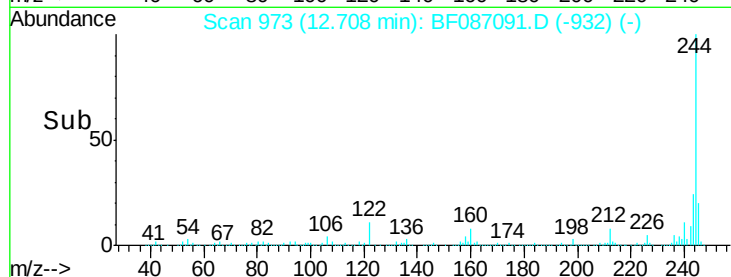
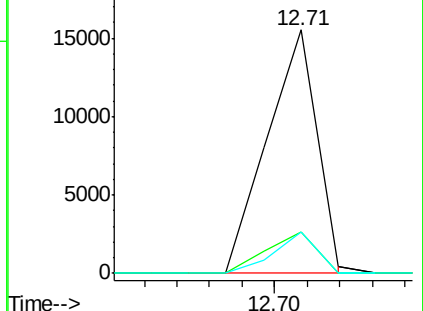
183 16.9 9.8 14.6#



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: 73.10 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087091.D

Acq: 16 May 2016 19:53

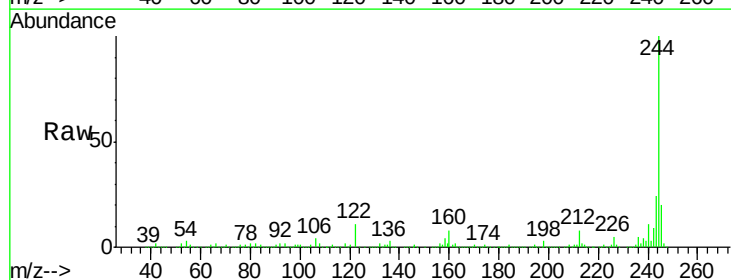
Tgt Ion:244 Resp: 1041710

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

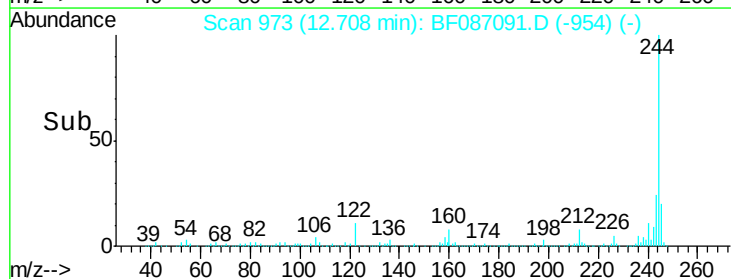
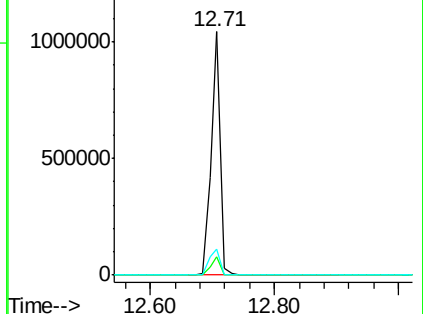
122 10.5 12.0 18.0#

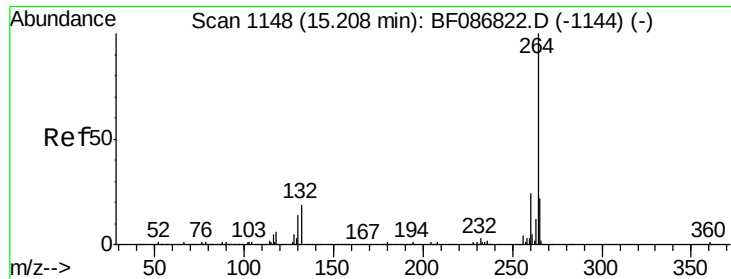


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

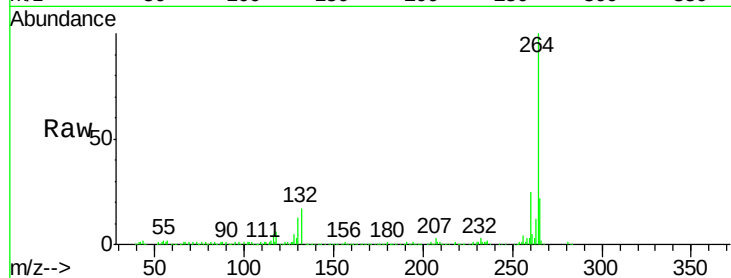




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087091.D
Acq: 16 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	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

