

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087014.D
 Acq On : 14 May 2016 12:20
 Operator : UM/SJ
 Sample : H2947-12
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-04

Quant Time: May 16 01:05:18 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	6.60	152	127989	20.00	ng	-0.09
21) Naphthalene-d8	7.90	136	506780	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	242579	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	441067	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	334032	20.00	ng	-0.09
86) Perylene-d12	15.11	264	285167	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	465643	61.61	ng	-0.09
7) Phenol-d6	6.28	99	398189	39.42	ng	-0.08
23) Nitrobenzene-d5	7.19	82	963847	95.50	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	331224	128.98	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1428765	98.99	ng	-0.08
78) Terphenyl-d14	12.71	244	1239902	78.76	ng	-0.09

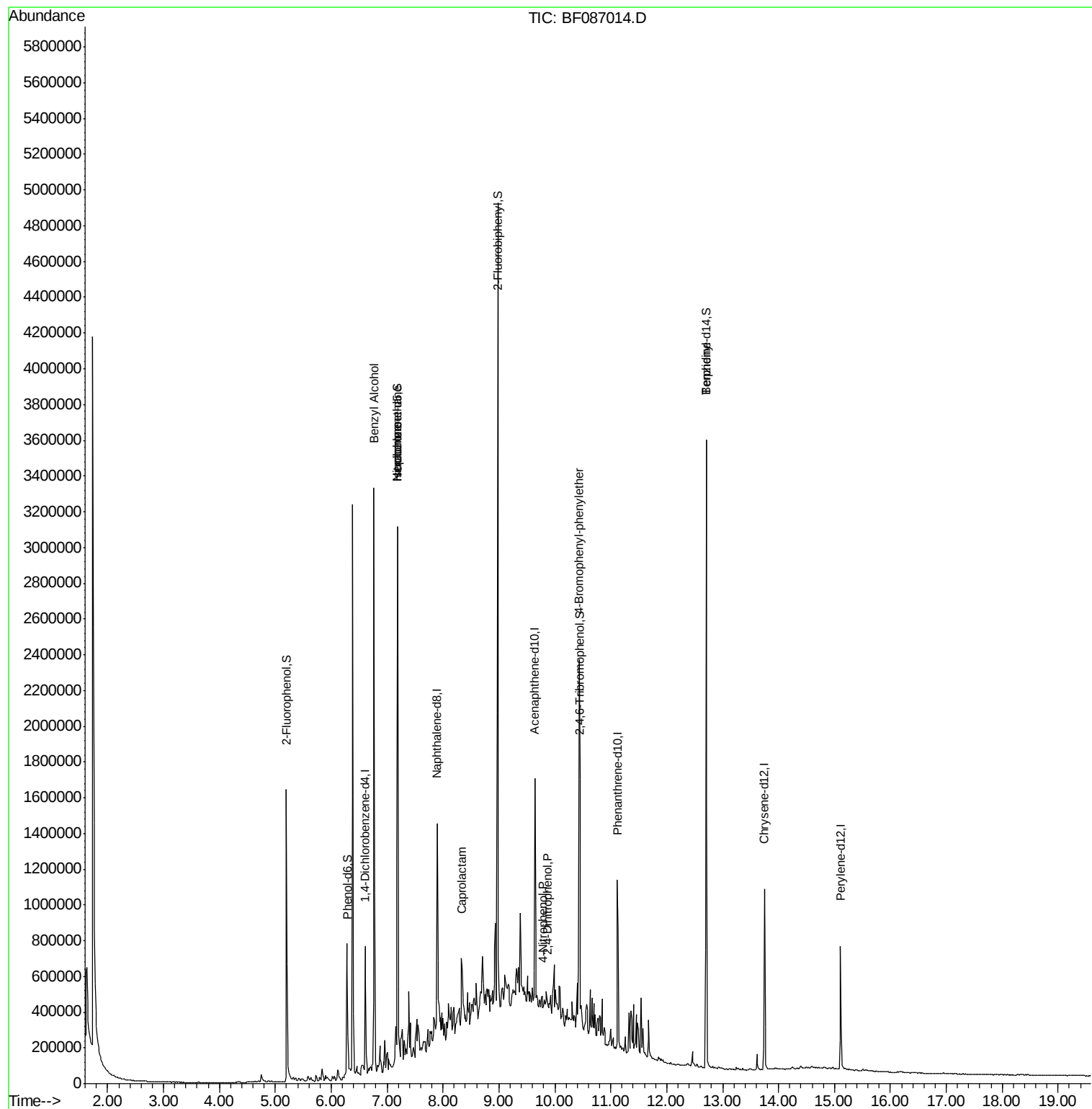
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.76	79	16811	2.41	ng	# 40
18) Hexachloroethane	7.19	117	41098	10.85	ng	# 28
25) Isophorone	7.19	82	928078	49.56	ng	# 69
35) Caprolactam	8.33	113	9504	4.08	ng	# 1
53) 2,4-Dinitrophenol	9.86	184	218	7.79	ng	# 1
55) 4-Nitrophenol	9.79	139	2089	5.28	ng	# 1
60) 4-Chlorophenyl-phenylether	10.18	204	459	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.43	248	19125	4.28	ng	# 1
76) Benzidine	12.71	184	18984	2.23	ng	95

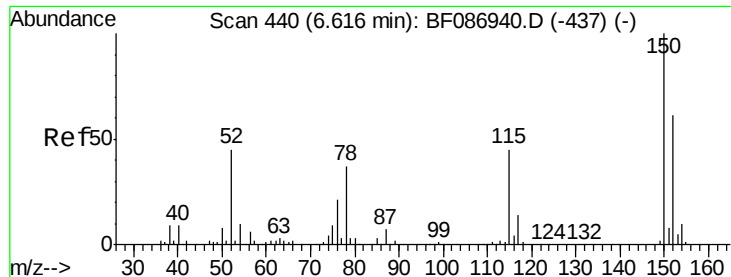
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

Instrument :

BNA_F

ClientSampleId :

MW-04

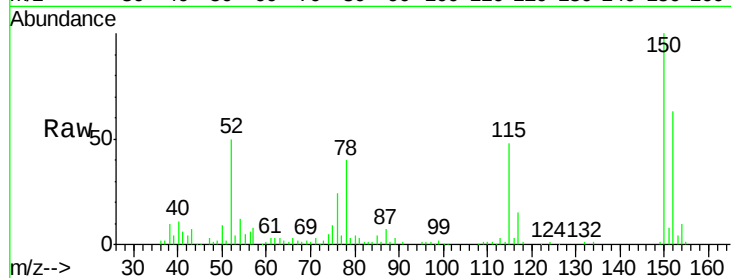
Tgt Ion:152 Resp: 127989

Ion Ratio Lower Upper

152 100

150 159.4 125.8 188.6

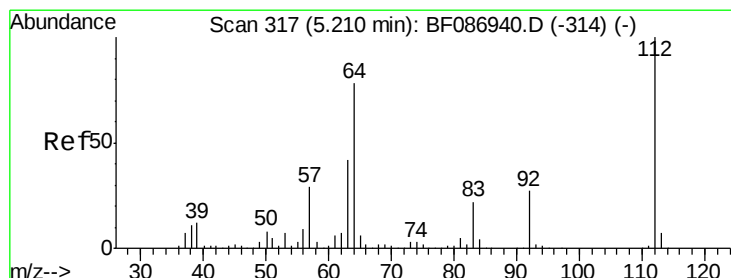
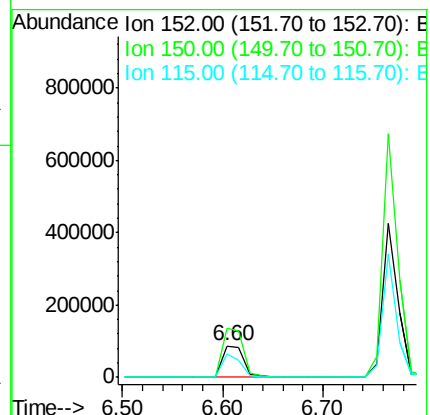
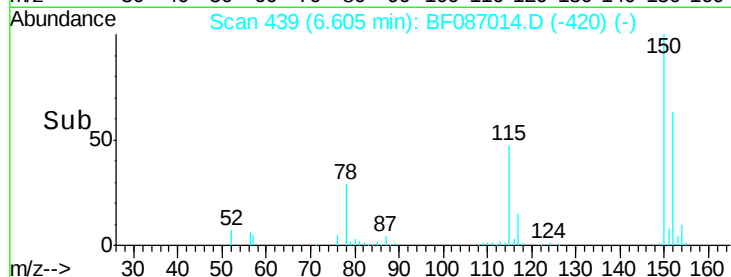
115 75.9 51.5 77.3



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: 61.61 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

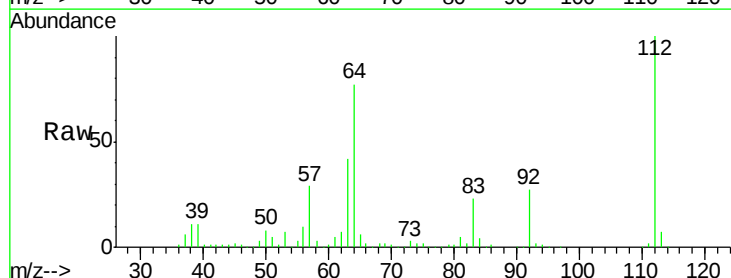
Tgt Ion:112 Resp: 465643

Ion Ratio Lower Upper

112 100

64 76.6 52.1 78.1

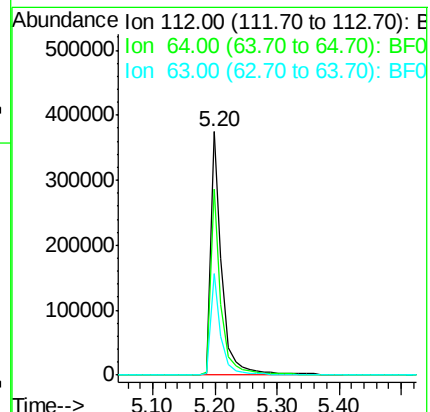
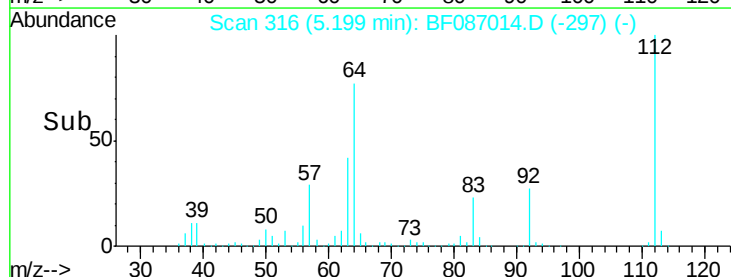
63 41.8 25.7 38.5#

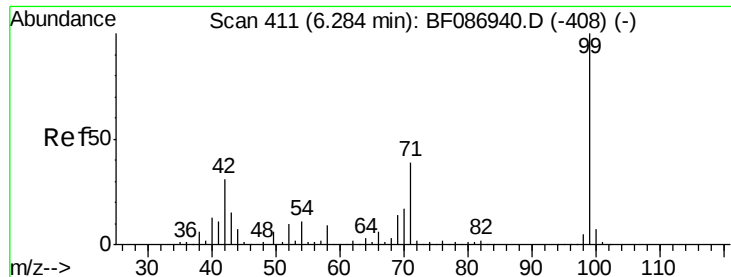


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.42 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

Instrument :

BNA_F

ClientSampled :

MW-04

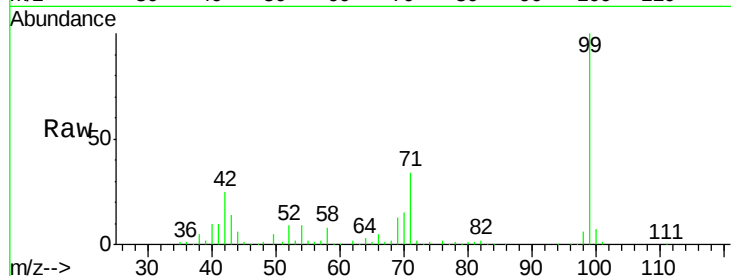
Tgt Ion: 99 Resp: 398189

Ion Ratio Lower Upper

99 100

42 25.3 13.6 20.4#

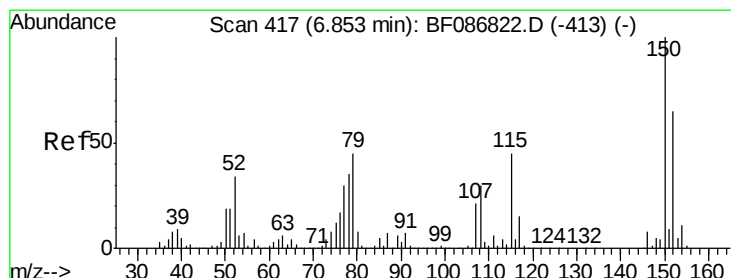
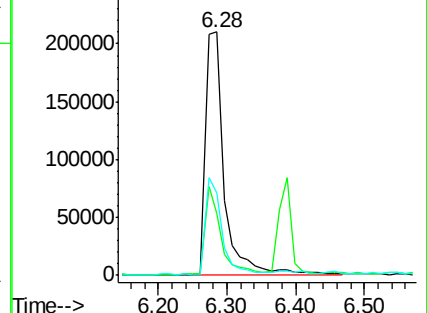
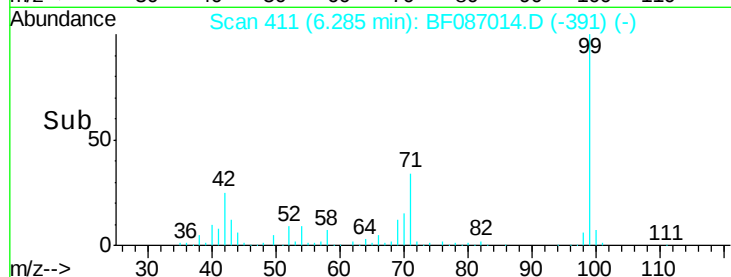
71 34.0 24.6 36.8



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



#15

Benzyl Alcohol

Concen: 2.41 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

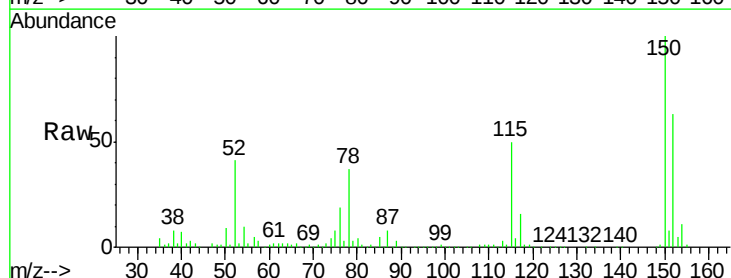
Tgt Ion: 79 Resp: 16811

Ion Ratio Lower Upper

79 100

108 28.3 68.4 102.6#

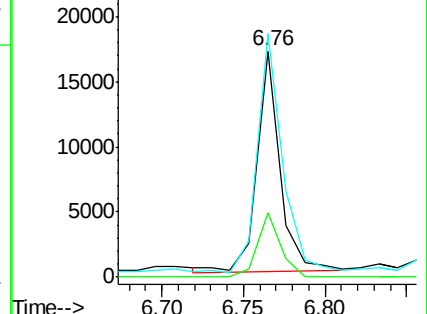
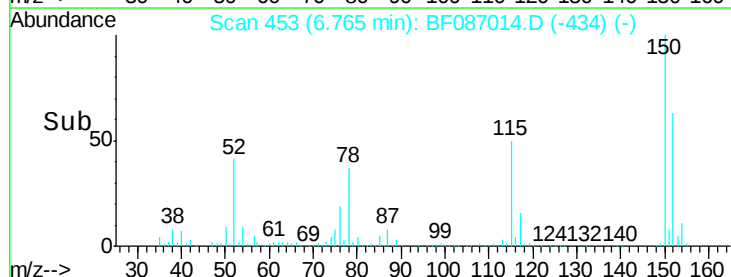
77 107.8 50.6 76.0#

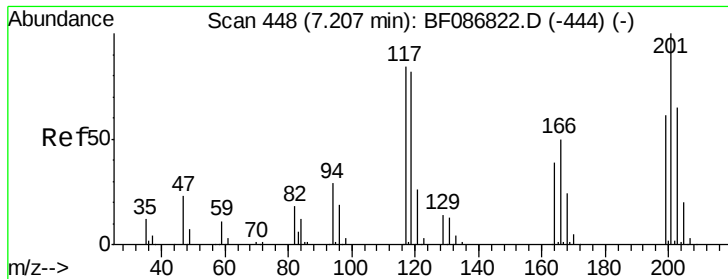


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

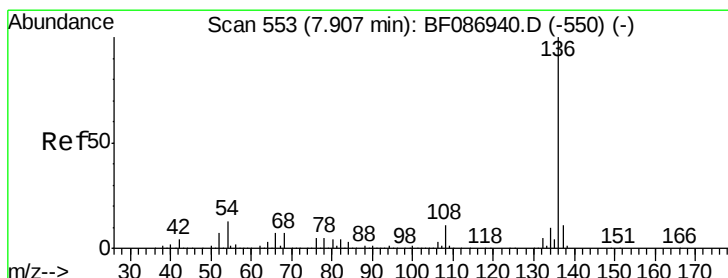
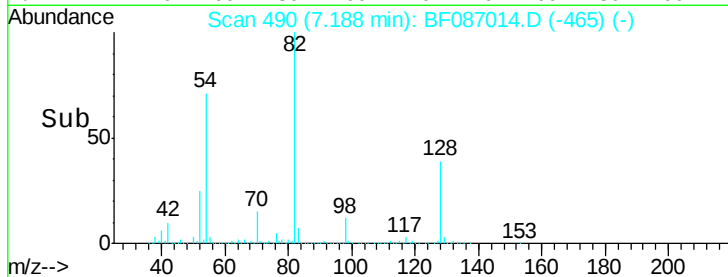
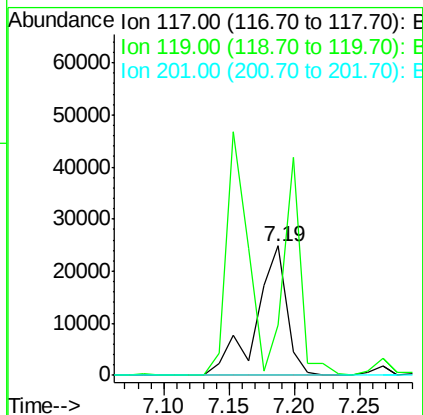
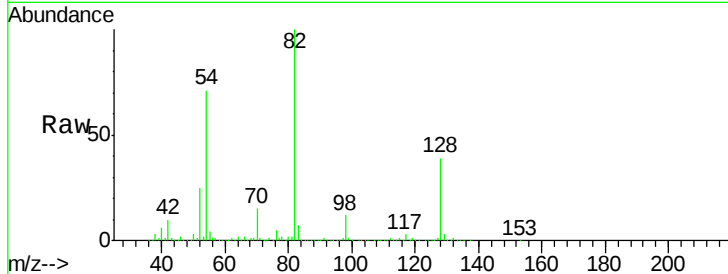




#18
Hexachloroethane
Concen: 10.85 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087014.D
Acq: 14 May 2016 12:20

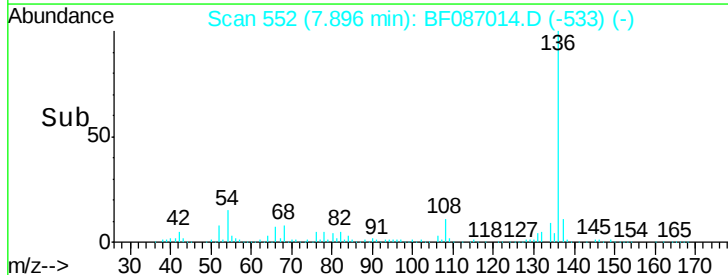
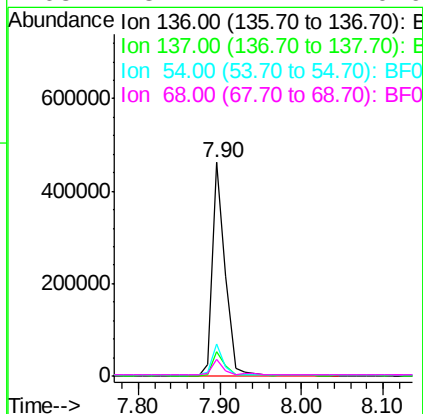
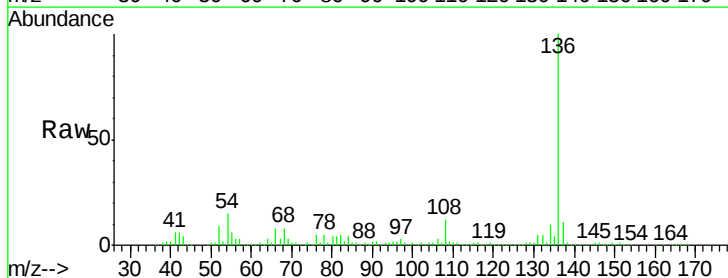
Instrument :
BNA_F
ClientSampleId :
MW-04

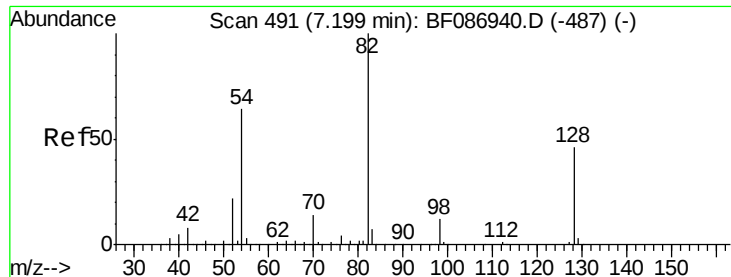
Tgt Ion:117 Resp: 41098
Ion Ratio Lower Upper
117 100
119 39.2 76.5 114.7#
201 0.0 63.0 94.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087014.D
Acq: 14 May 2016 12:20

Tgt Ion:136 Resp: 506780
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 15.0 5.0 7.4#
68 8.1 4.4 6.6#

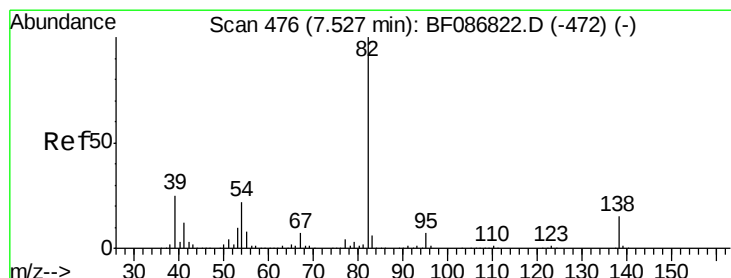
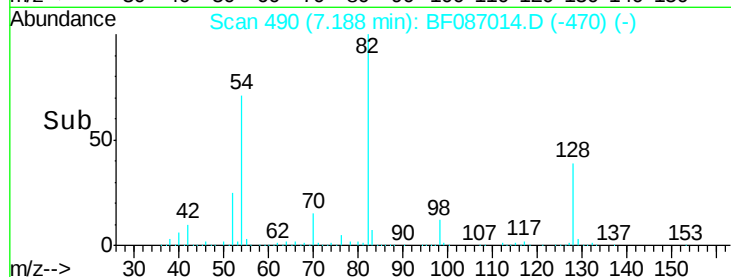
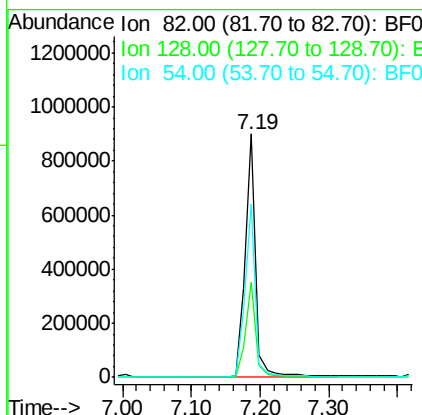
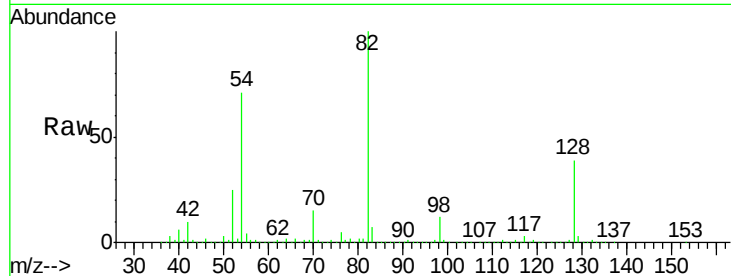




#23
 Nitrobenzene-d5
 Concen: 95.50 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.08 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

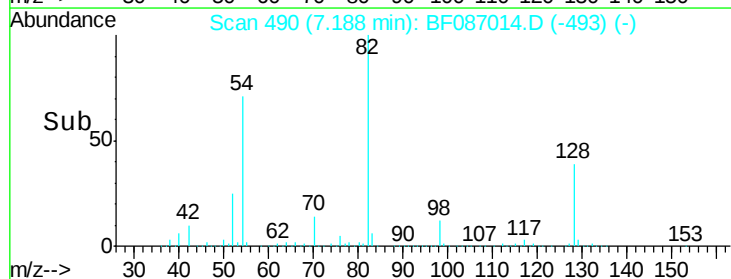
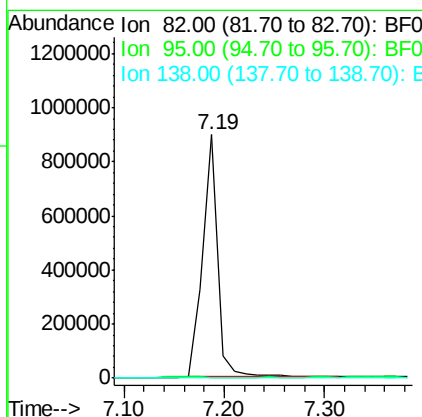
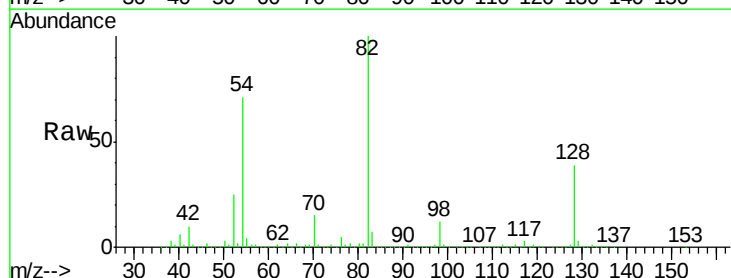
Instrument :
 BNA_F
 ClientSampled :
 MW-04

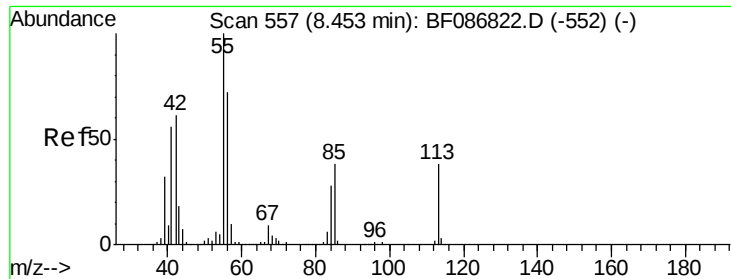
Tgt Ion: 82 Resp: 963847
 Ion Ratio Lower Upper
 82 100
 128 38.9 40.6 61.0#
 54 71.1 38.1 57.1#



#25
 Isophorone
 Concen: 49.56 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.34 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

Tgt Ion: 82 Resp: 928078
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.1 7.7#
 138 0.0 12.4 18.6#

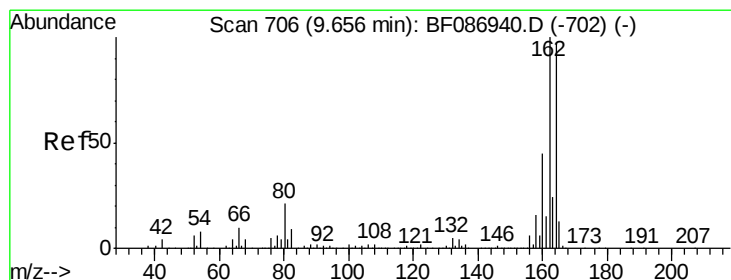
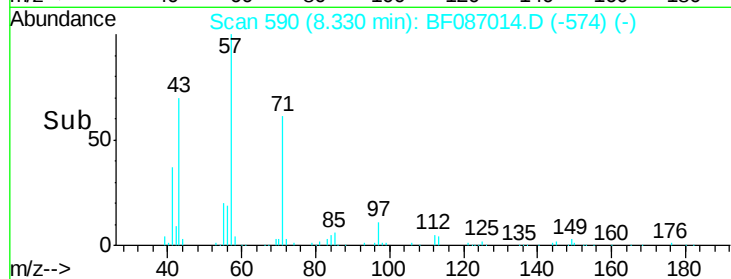
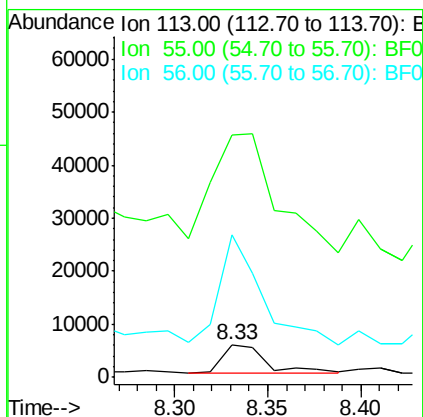
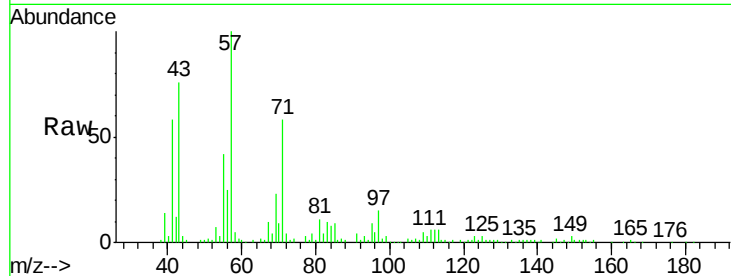




#35
 Caprolactam
 Concen: 4.08 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.12 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

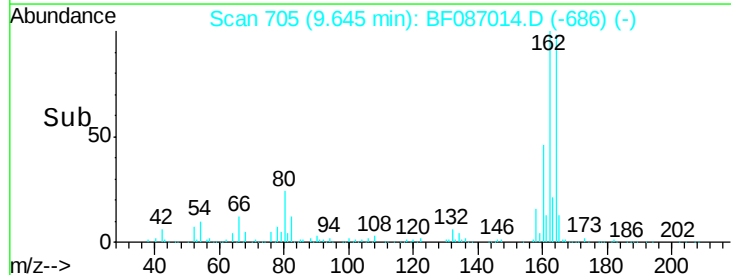
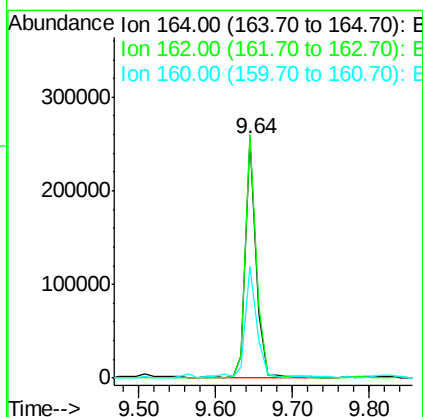
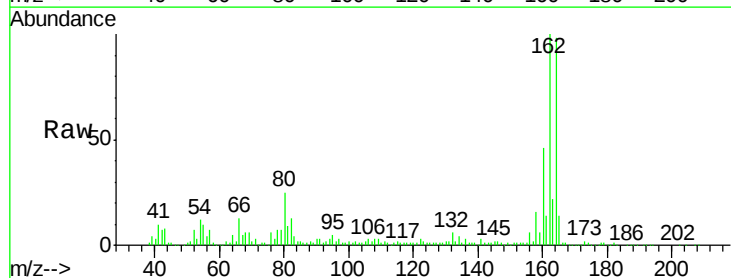
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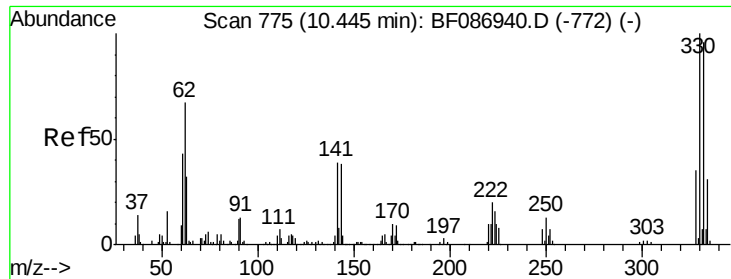
Tgt Ion:113 Resp: 9504
 Ion Ratio Lower Upper
 113 100
 55 739.3 162.0 202.0#
 56 433.5 115.3 155.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.09 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

Tgt Ion:164 Resp: 242579
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.8 124.2
 160 46.7 36.9 55.3

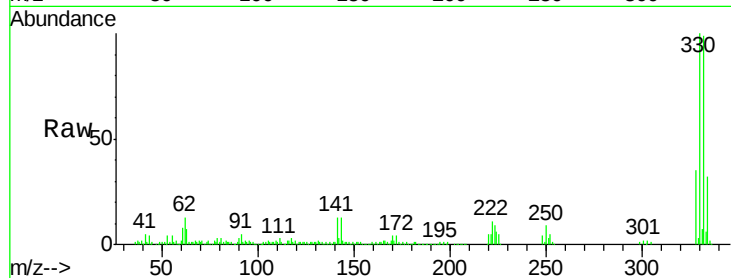




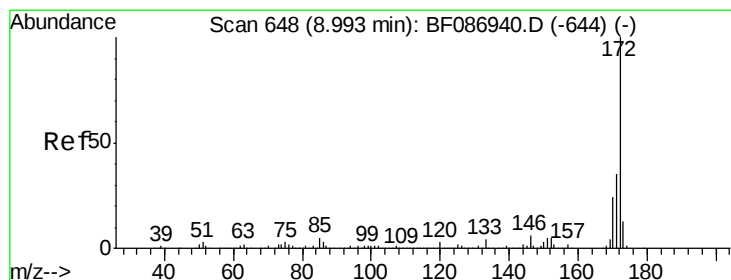
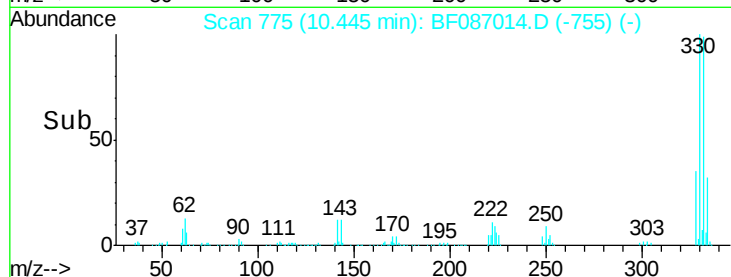
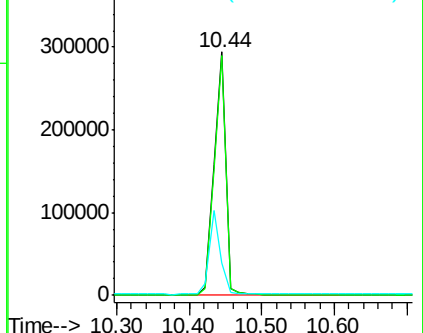
#41
 2,4,6-Tribromophenol
 Concen: 128.98 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

Instrument :
 BNA_F
 ClientSampleId :
 MW-04

Tgt Ion:330 Resp: 331224
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 33.2 31.2 46.8

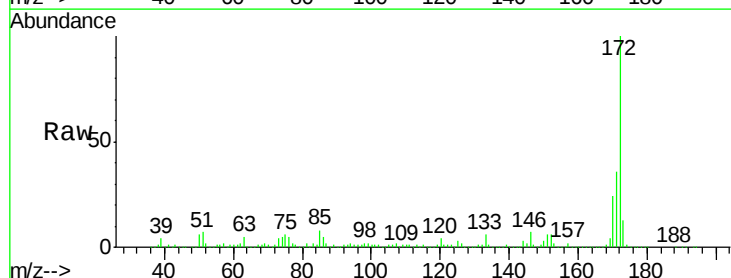


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

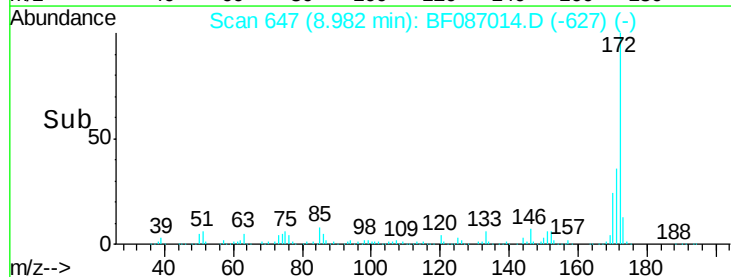
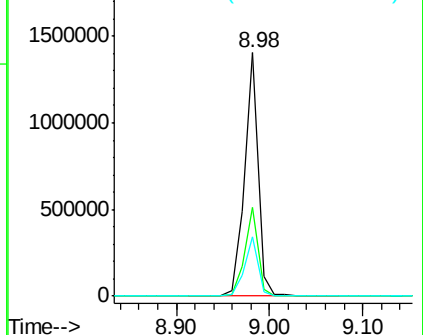


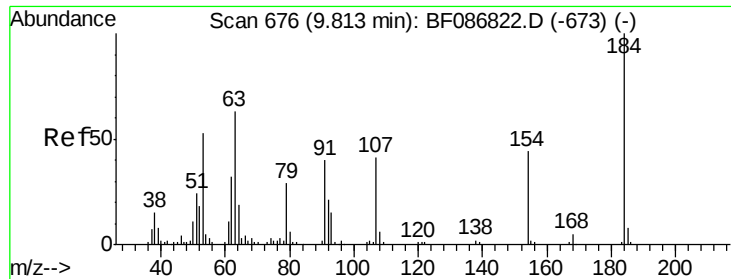
#44
 2-Fluorobiphenyl
 Concen: 98.99 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

Tgt Ion:172 Resp: 1428765
 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

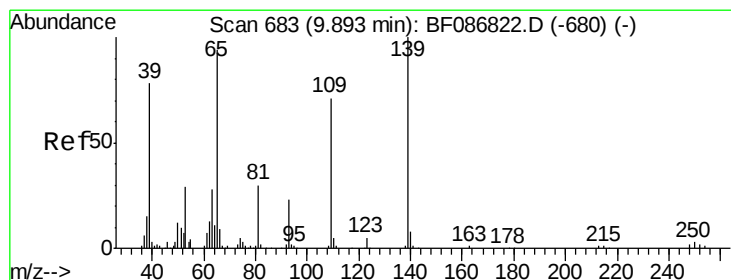
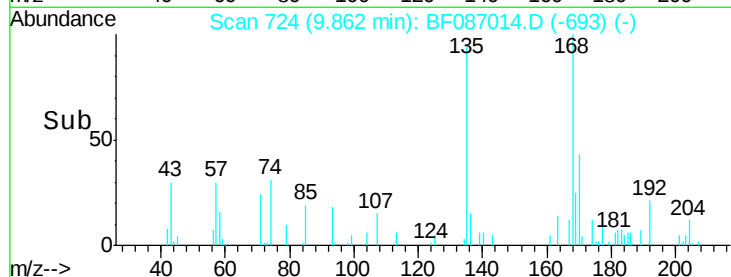
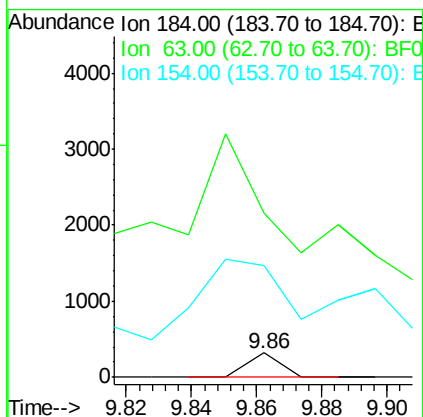
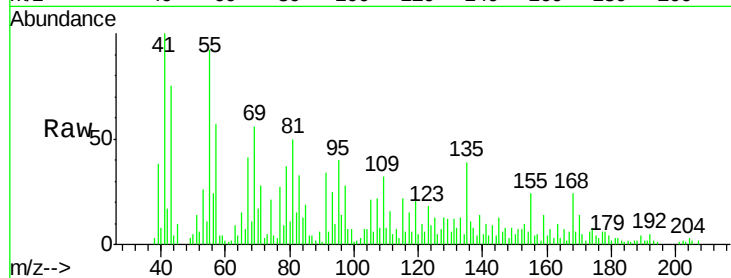




#53
 2,4-Dinitrophenol
 Concen: 7.79 ng
 RT: 9.86 min Scan# 724
 Delta R.T. 0.05 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

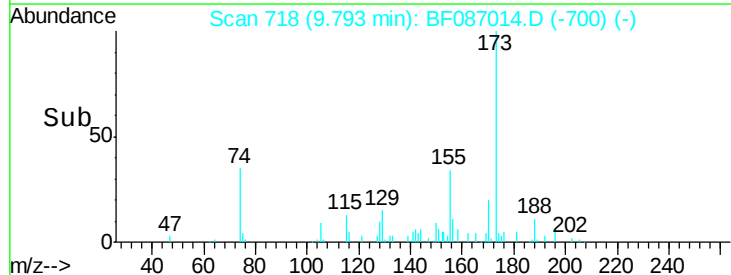
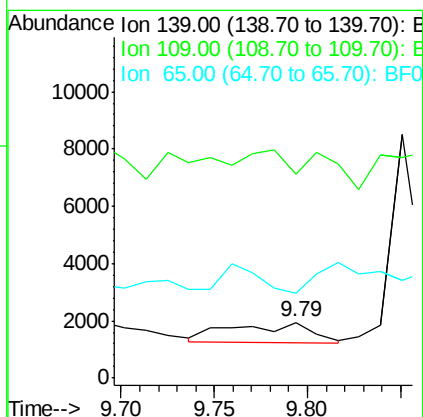
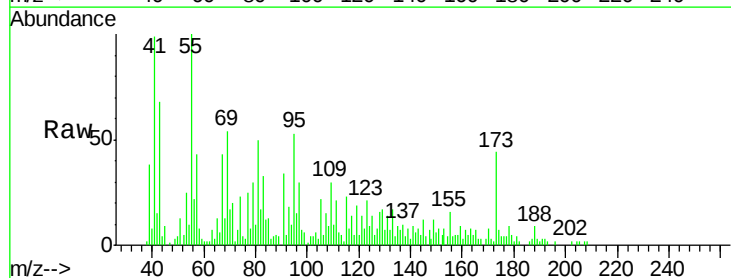
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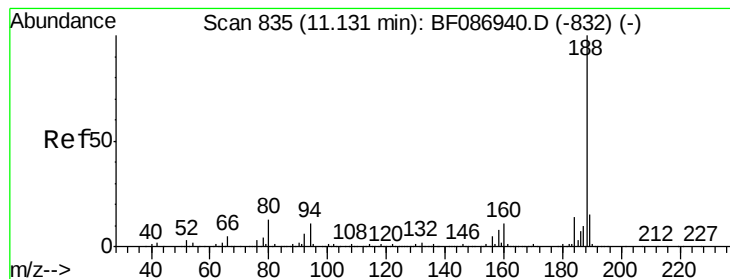
Tgt Ion:184 Resp: 218
 Ion Ratio Lower Upper
 184 100
 63 678.3 55.8 83.8#
 154 462.3 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 5.28 ng
 RT: 9.79 min Scan# 718
 Delta R.T. -0.10 min
 Lab File: BF087014.D
 Acq: 14 May 2016 12:20

Tgt Ion:139 Resp: 2089
 Ion Ratio Lower Upper
 139 100
 109 364.4 36.9 76.9#
 65 152.1 64.0 104.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

Instrument :

BNA_F

ClientSampleId :

MW-04

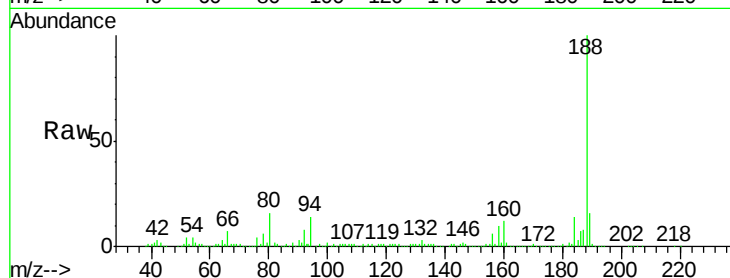
Tgt Ion:188 Resp: 441067

Ion Ratio Lower Upper

188 100

94 14.2 6.8 10.2#

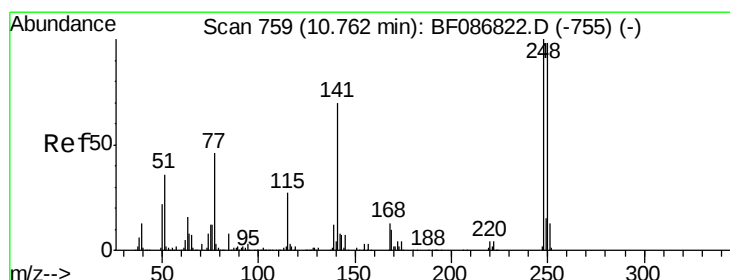
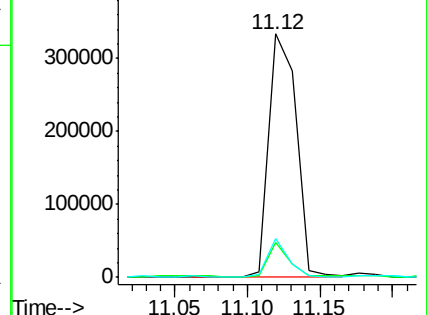
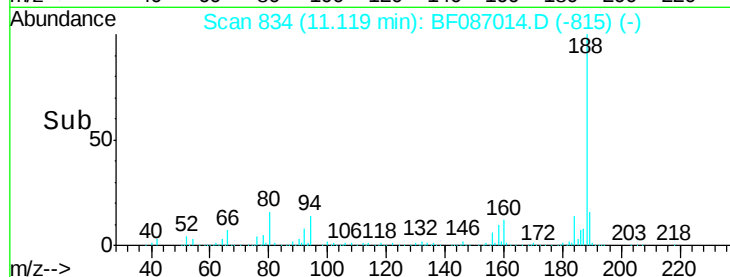
80 16.0 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 4.28 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

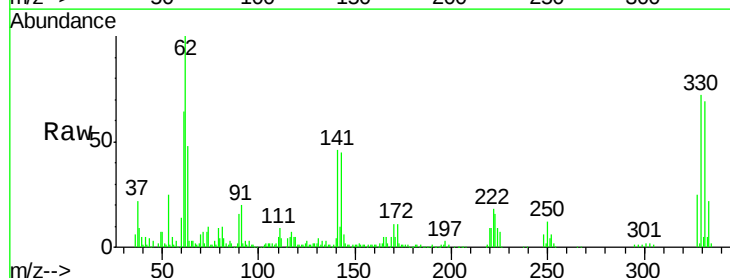
Tgt Ion:248 Resp: 19125

Ion Ratio Lower Upper

248 100

250 198.0 78.6 117.8#

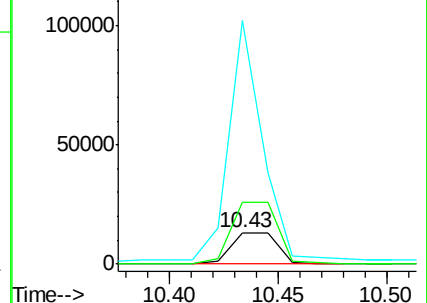
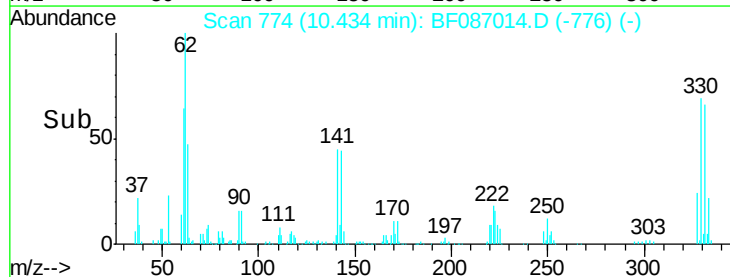
141 774.3 76.0 114.0#

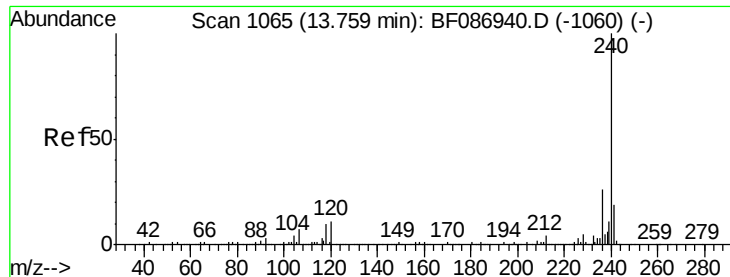


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

Instrument :

BNA_F

ClientSampleId :

MW-04

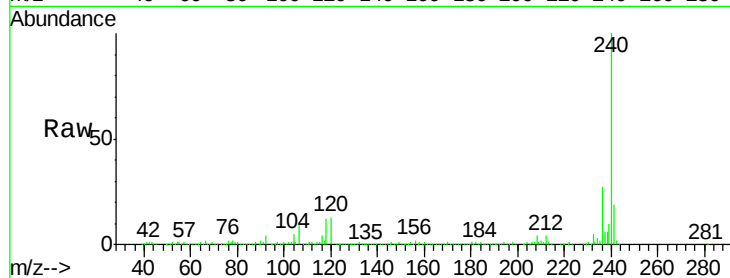
Tgt Ion:240 Resp: 334032

Ion Ratio Lower Upper

240 100

120 13.4 11.2 16.8

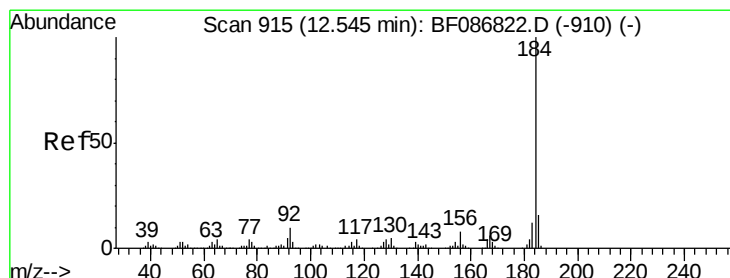
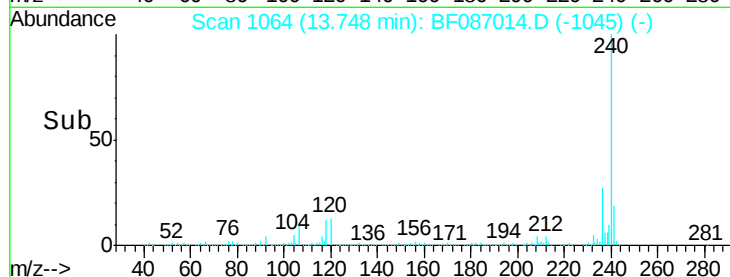
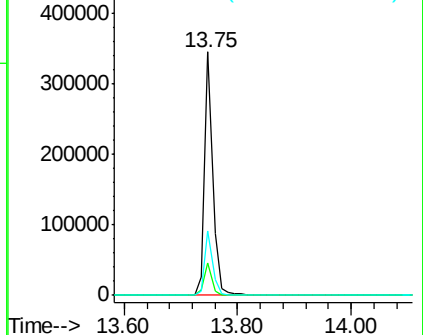
236 26.7 21.2 31.8



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



#76

Benzidine

Concen: 2.23 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

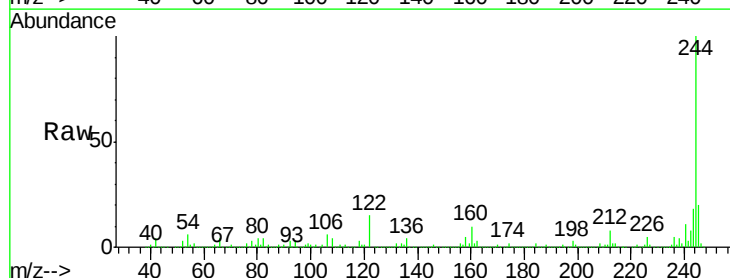
Tgt Ion:184 Resp: 18984

Ion Ratio Lower Upper

184 100

185 19.5 13.6 20.4

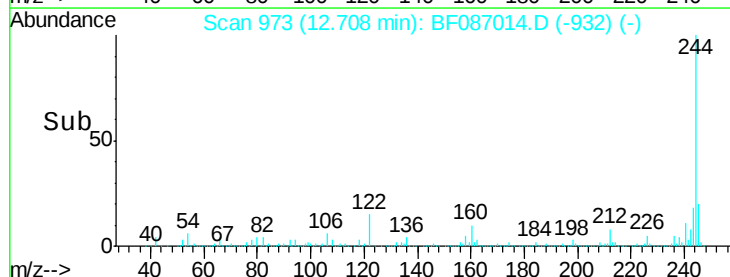
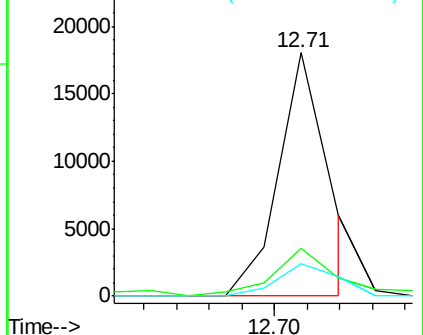
183 13.4 9.8 14.6

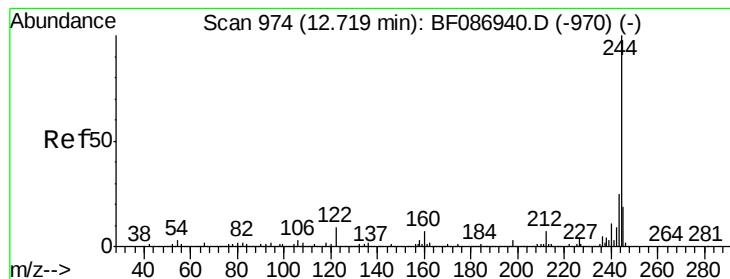


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 78.76 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087014.D

Acq: 14 May 2016 12:20

Instrument :

BNA_F

ClientSampled :

MW-04

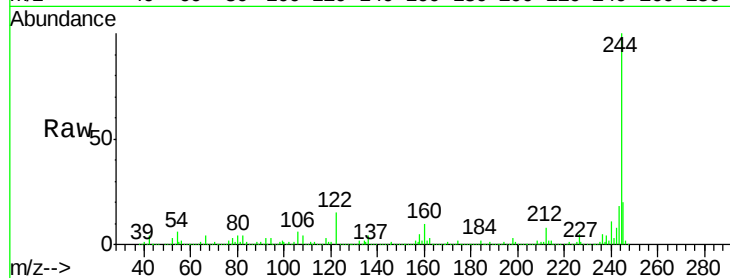
Tgt Ion:244 Resp: 1239902

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

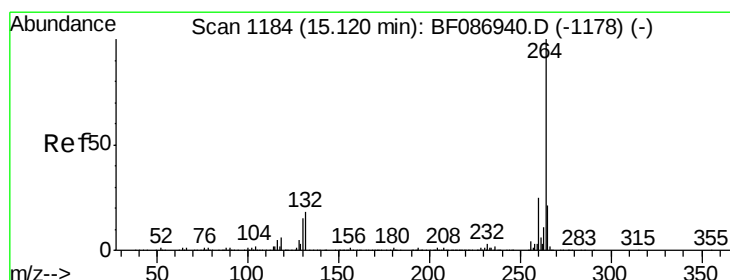
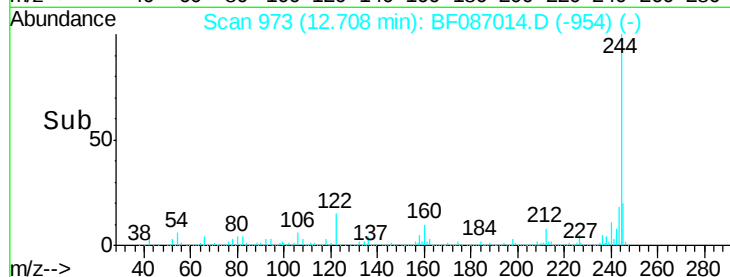
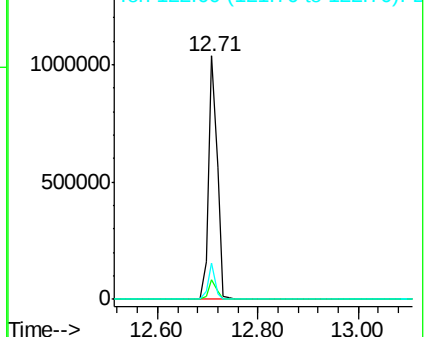
122 15.1 12.0 18.0



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: BF087014.D

Acq: 14 May 2016 12:20

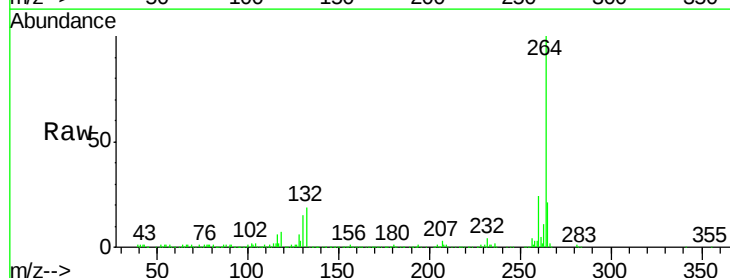
Tgt Ion:264 Resp: 285167

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.3 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

