

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087197.D
 Acq On : 19 May 2016 20:06
 Operator : UM/SJ
 Sample : H3138-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: May 20 02:34:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	130700	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	549016	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	260639	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	449095	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	326923	20.00	ng	-0.06
86) Perylene-d12	15.05	264	275163	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	502975	64.68	ng	-0.05
7) Phenol-d6	6.23	99	439513	42.14	ng	-0.06
23) Nitrobenzene-d5	7.14	82	906515	82.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	376090	130.58	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1516685	96.37	ng	-0.05
78) Terphenyl-d14	12.66	244	1164502	80.58	ng	-0.05

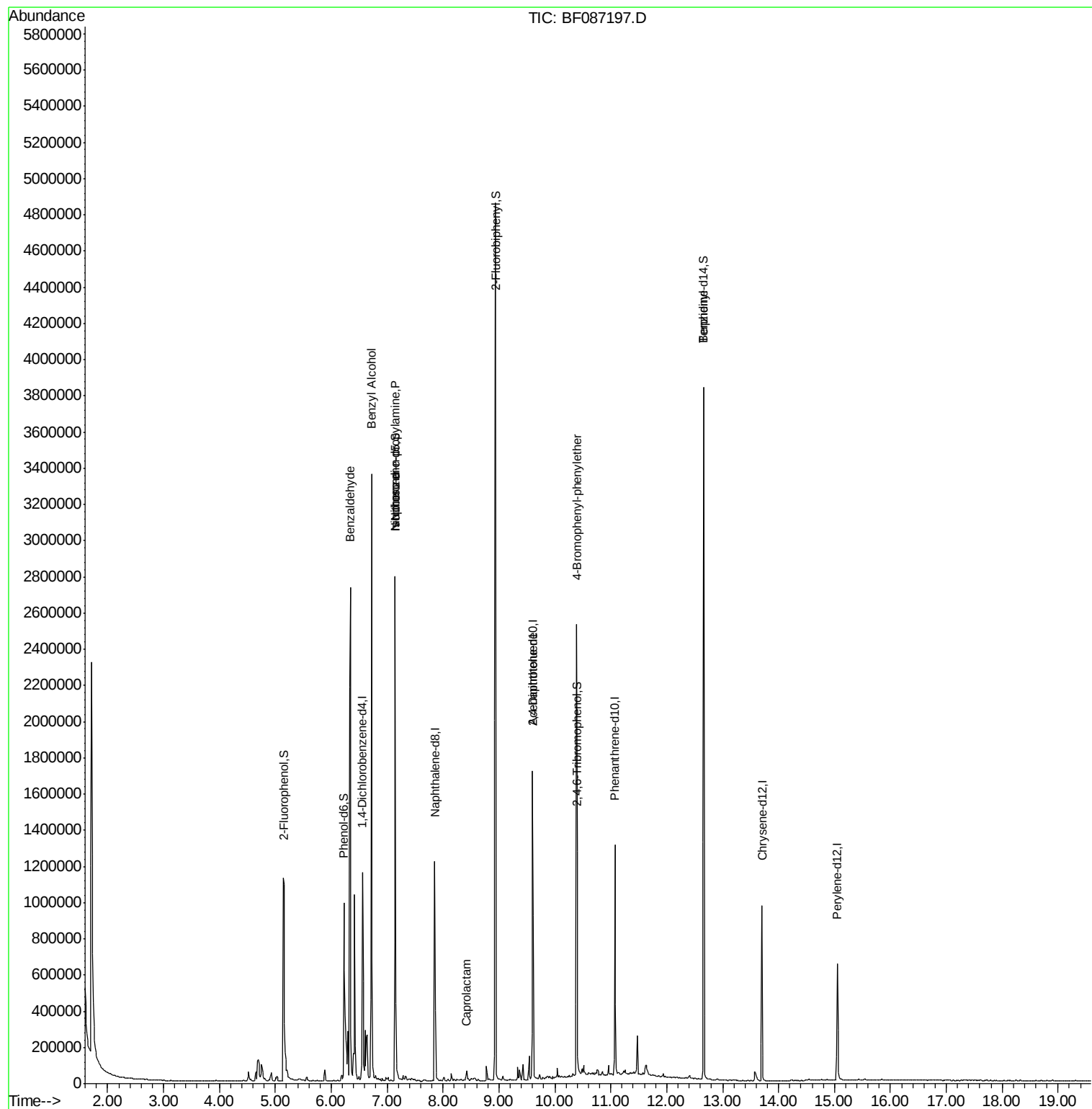
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.34	77	24472	3.22	ng	# 81
15) Benzyl Alcohol	6.72	79	15732	2.03	ng	# 42
19) n-Nitroso-di-n-propylamine	7.14	70	128784	16.24	ng	# 73
25) Isophorone	7.14	82	735904	36.49	ng	# 68
35) Caprolactam	8.42	113	6145	2.46	ng	# 7
55) 4-Nitrophenol	9.72	139	211	Below Cal		# 1
56) 2,4-Dinitrotoluene	9.60	165	33980	6.15	ng	# 20
66) 4-Bromophenyl-phenylether	10.39	248	20822	4.51	ng	# 1
76) Benzidine	12.66	184	19154	2.51	ng	# 97

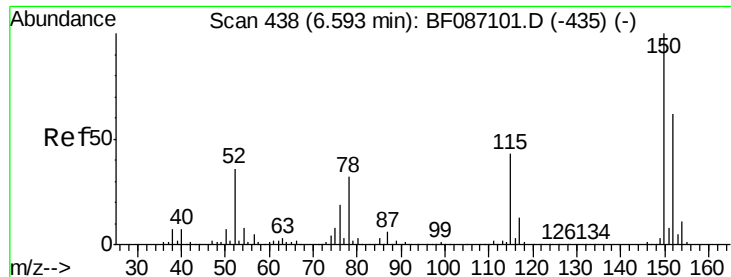
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

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ClientSampleId :

MW-1

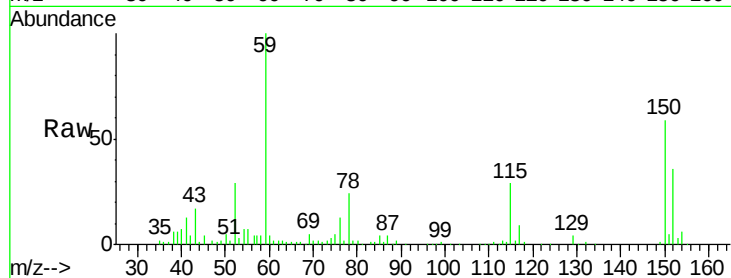
Tgt Ion:152 Resp: 130700

Ion Ratio Lower Upper

152 100

150 161.5 125.8 188.6

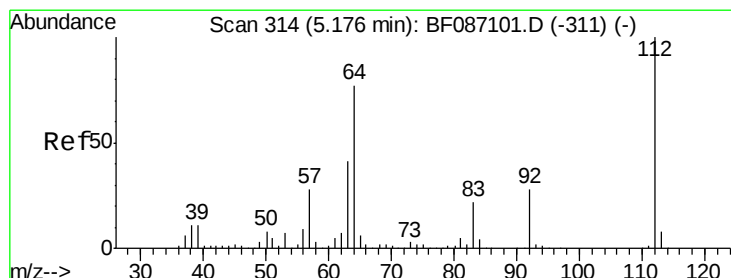
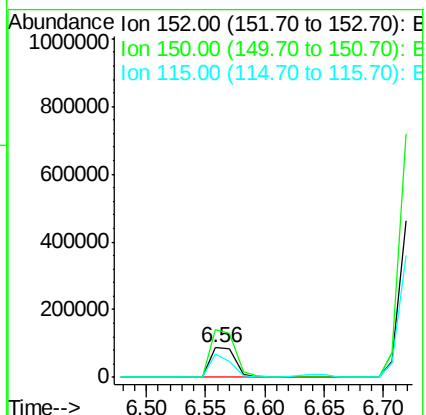
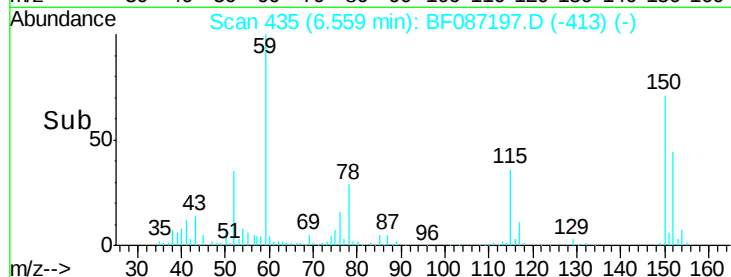
115 80.6 51.5 77.3#



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: 64.68 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

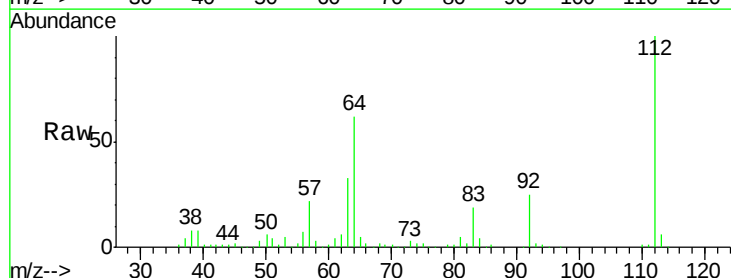
Tgt Ion:112 Resp: 502975

Ion Ratio Lower Upper

112 100

64 62.3 52.1 78.1

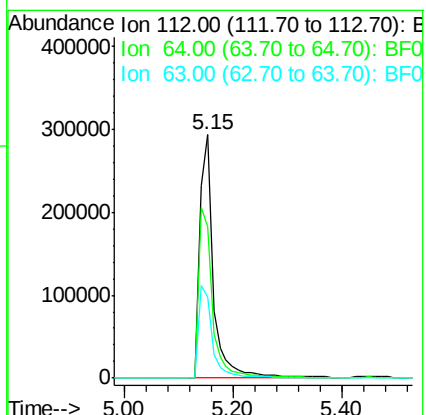
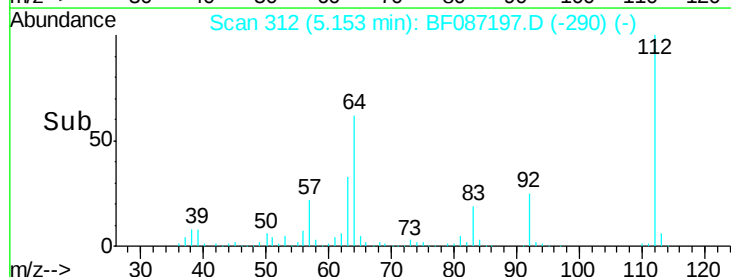
63 33.3 25.7 38.5

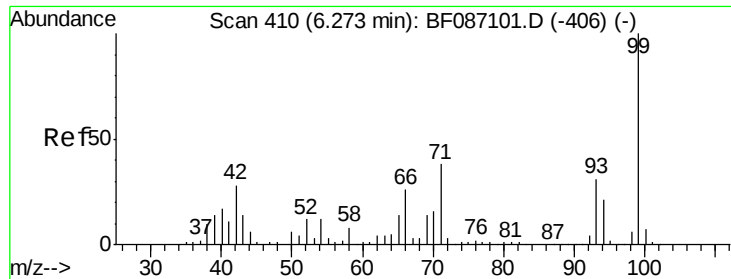


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.14 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

BNA_F

ClientSampleId :

MW-1

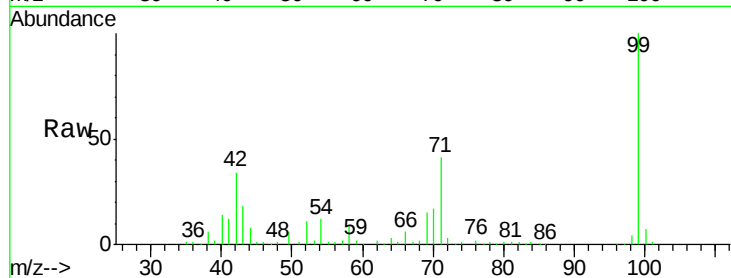
Tgt Ion: 99 Resp: 439513

Ion Ratio Lower Upper

99 100

42 34.1 13.6 20.4#

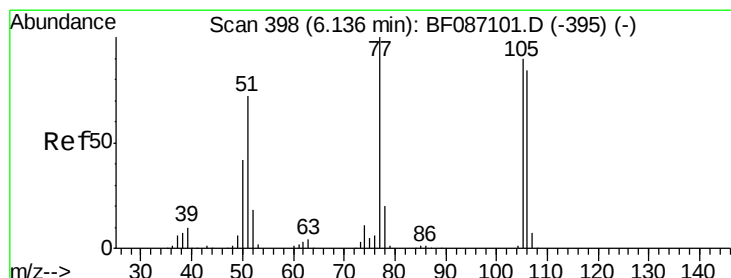
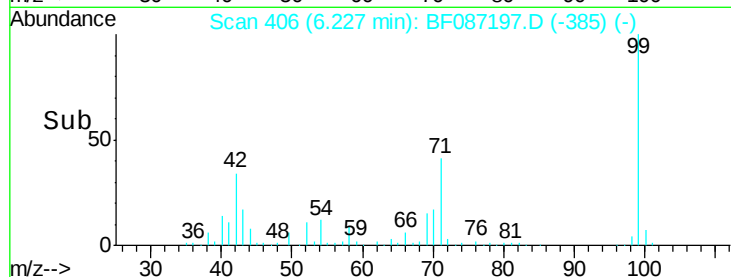
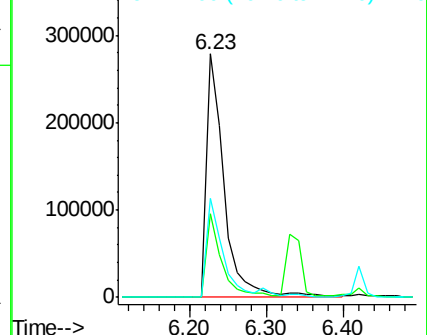
71 40.5 24.6 36.8#



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: 3.22 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

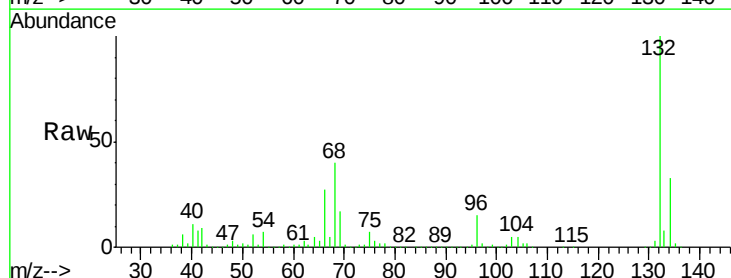
Tgt Ion: 77 Resp: 24472

Ion Ratio Lower Upper

77 100

105 77.9 72.7 112.7

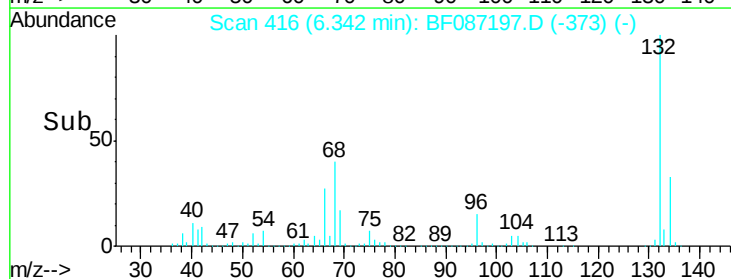
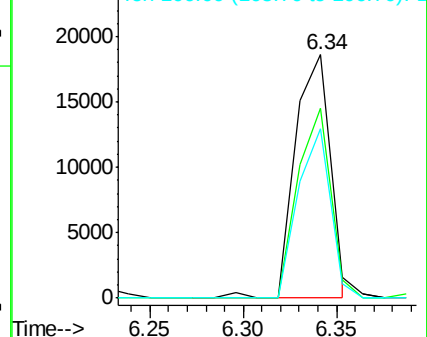
106 69.5 70.8 110.8#

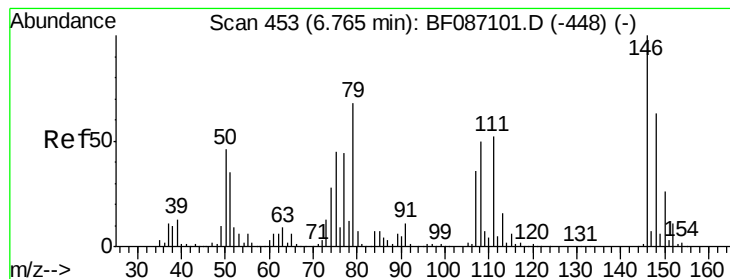


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.06 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

BNA_F

ClientSampleId :

MW-1

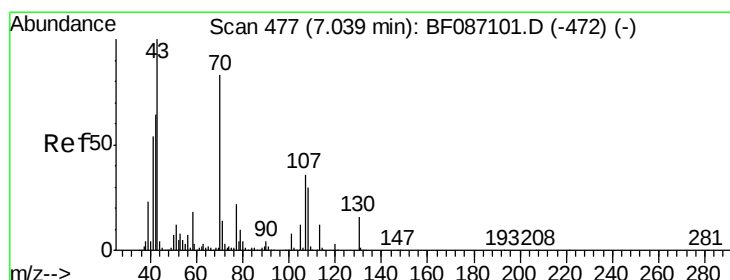
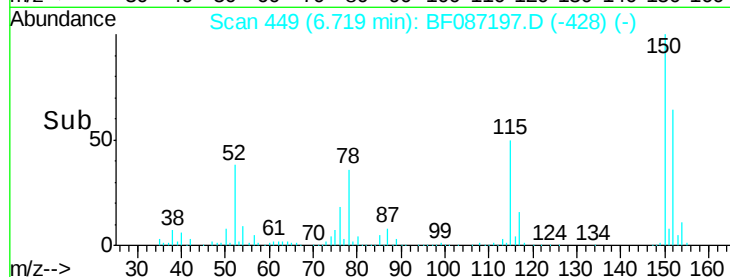
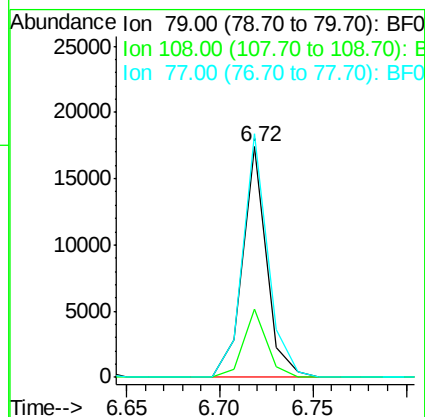
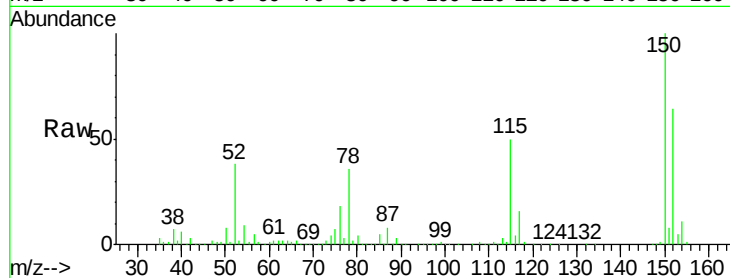
Tgt Ion: 79 Resp: 15732

Ion Ratio Lower Upper

79 100

108 29.6 68.4 102.6#

77 105.6 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.24 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Tgt Ion: 70 Resp: 128784

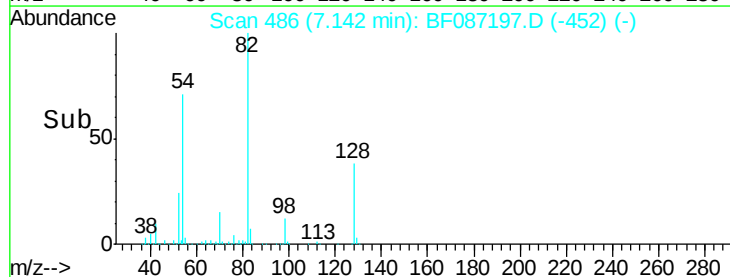
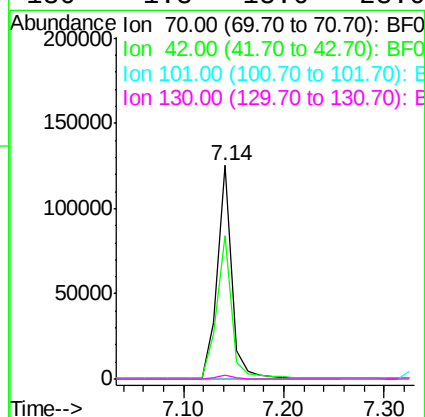
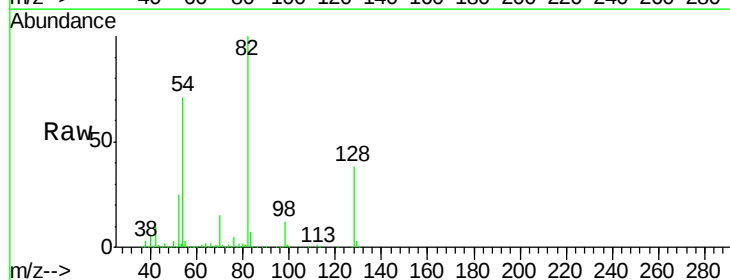
Ion Ratio Lower Upper

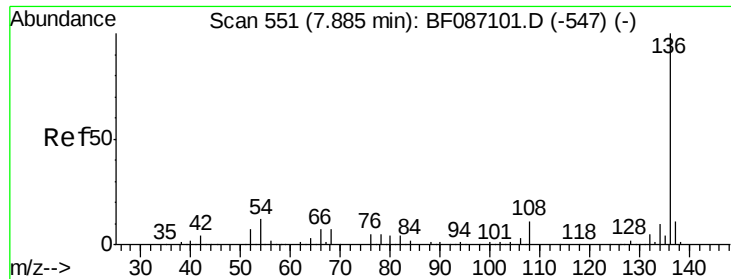
70 100

42 67.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

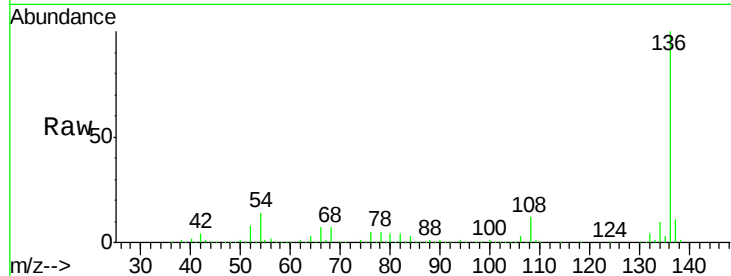




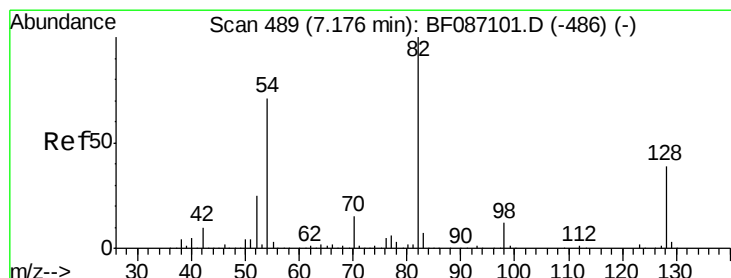
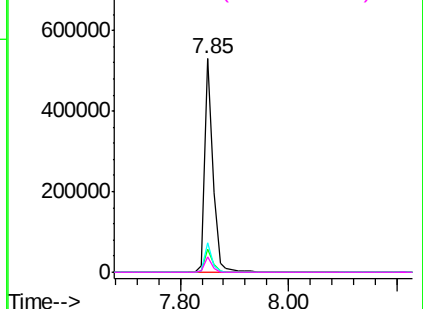
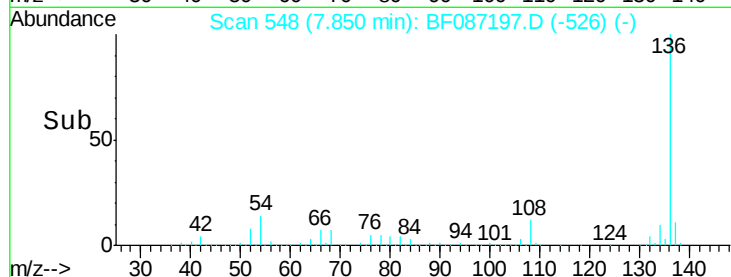
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087197.D
Acq: 19 May 2016 20:06

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:	136	Resp:	549016
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	13.7	5.0	7.4#
68	7.1	4.4	6.6#

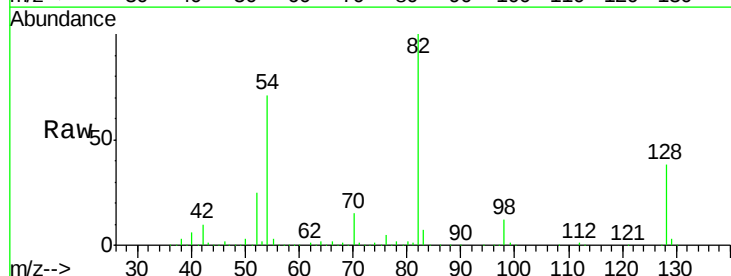


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

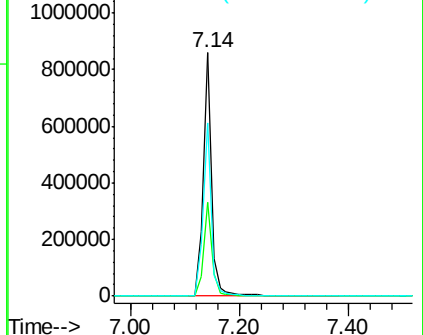
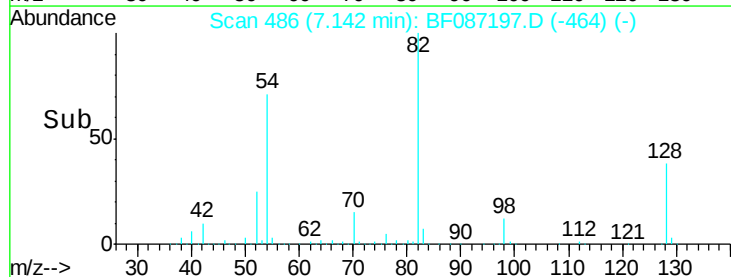


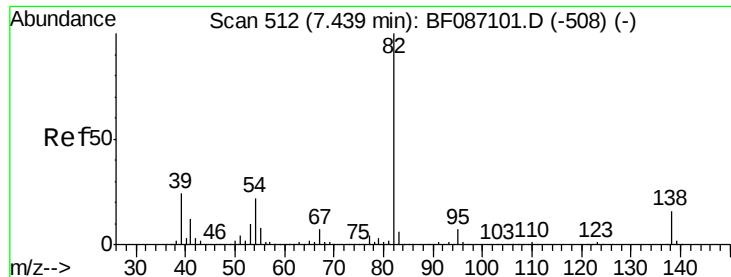
#23
Nitrobenzene-d5
Concen: 82.29 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087197.D
Acq: 19 May 2016 20:06

Tgt Ion:	82	Resp:	906515
Ion	Ratio	Lower	Upper
82	100		
128	38.5	40.6	61.0#
54	71.2	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: 36.49 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.31 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

BNA_F

ClientSampleId :

MW-1

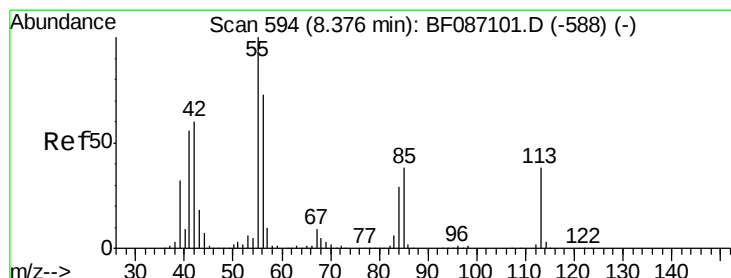
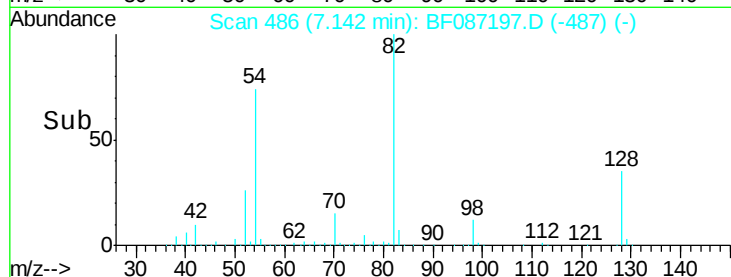
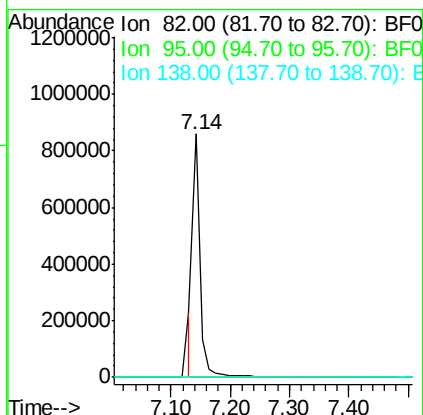
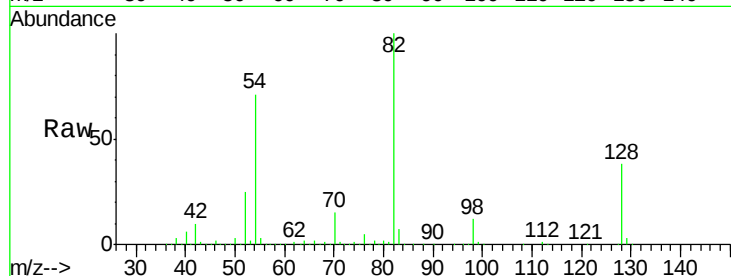
Tgt Ion: 82 Resp: 735904

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#35

Caprolactam

Concen: 2.46 ng

RT: 8.42 min Scan# 598

Delta R.T. 0.03 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

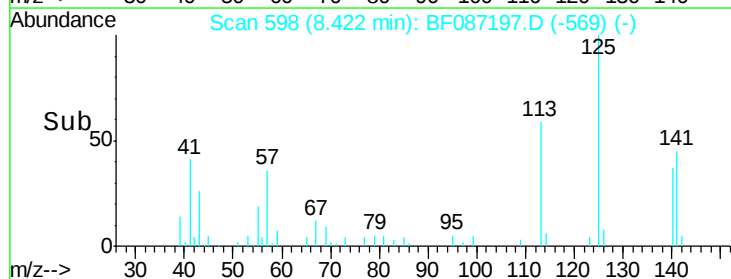
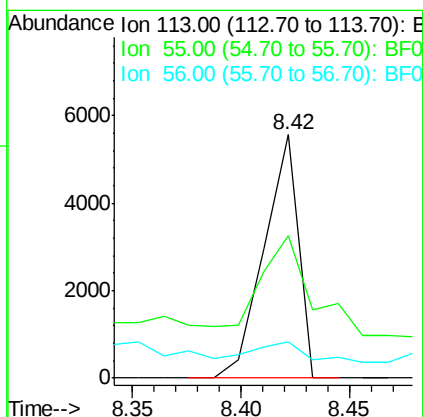
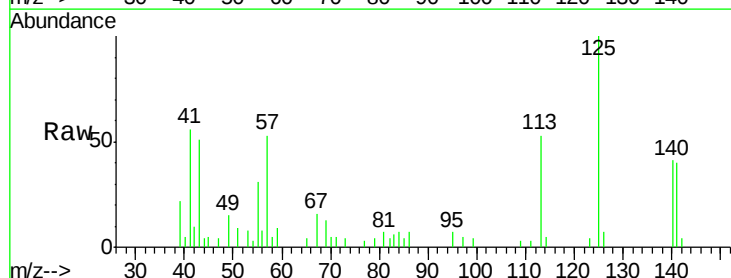
Tgt Ion: 113 Resp: 6145

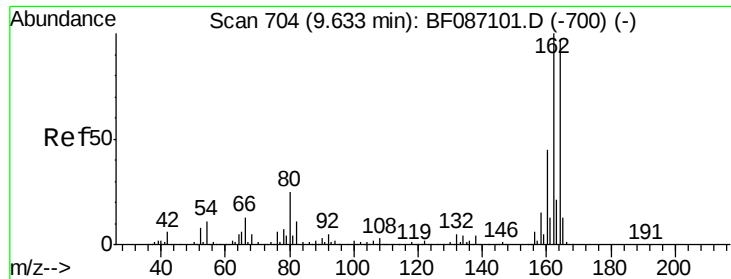
Ion Ratio Lower Upper

113 100

55 58.4 162.0 202.0#

56 14.8 115.3 155.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

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ClientSampleId :

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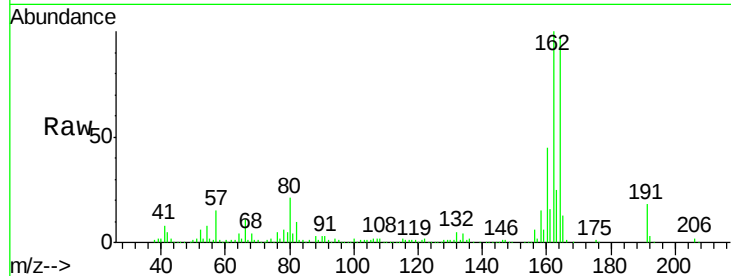
Tgt Ion:164 Resp: 260639

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

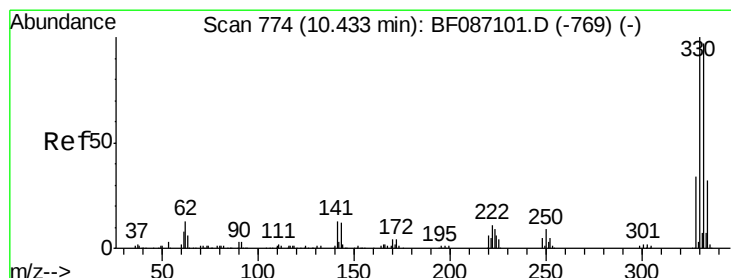
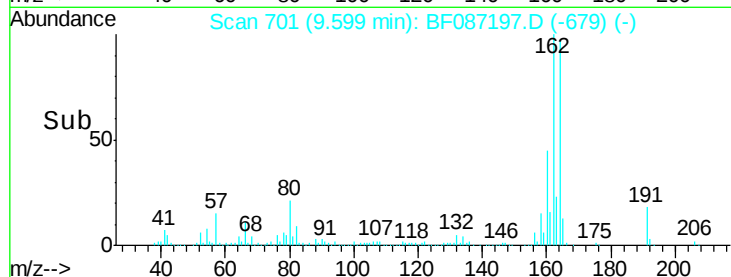
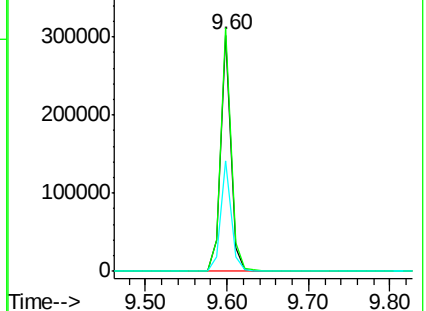
160 46.8 36.9 55.3



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: 130.58 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

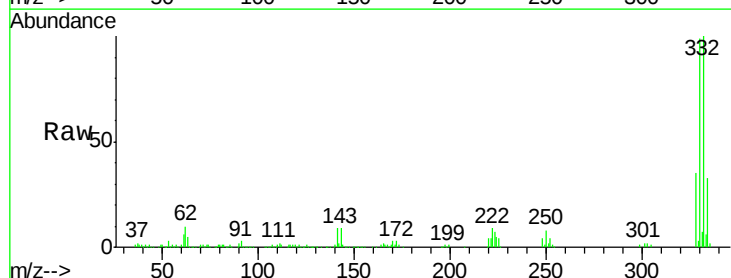
Tgt Ion:330 Resp: 376090

Ion Ratio Lower Upper

330 100

332 97.6 79.0 118.4

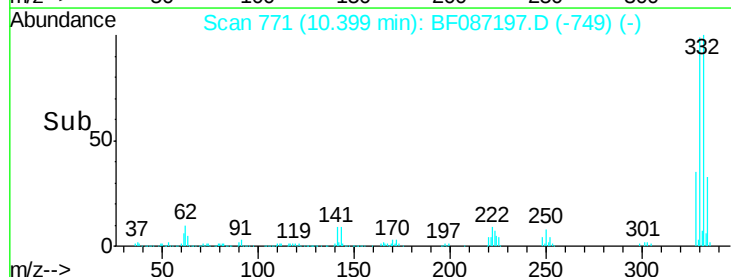
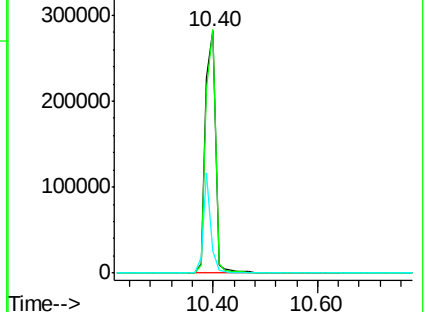
141 31.4 31.2 46.8

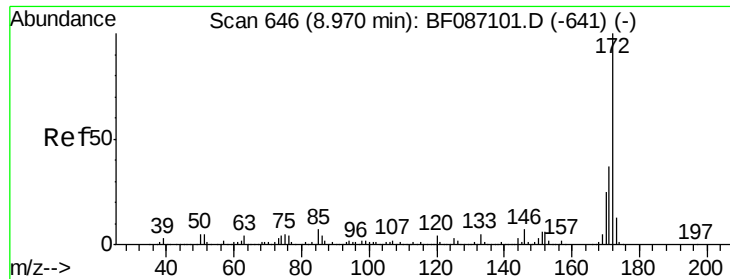


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

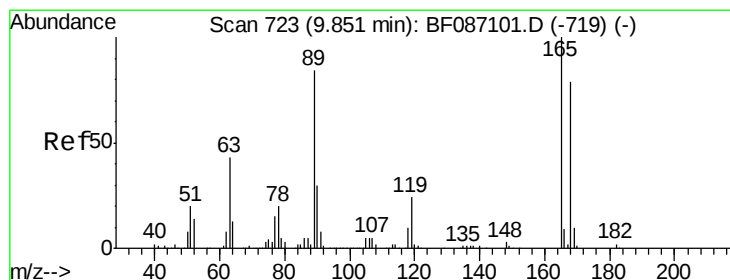
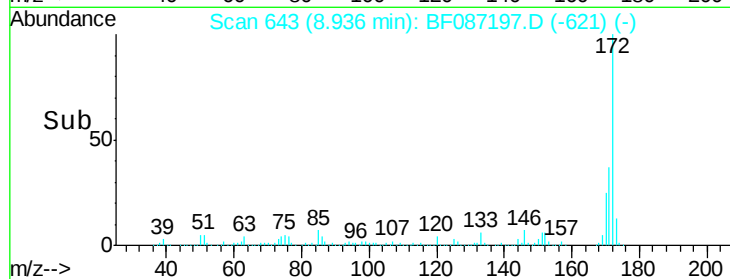
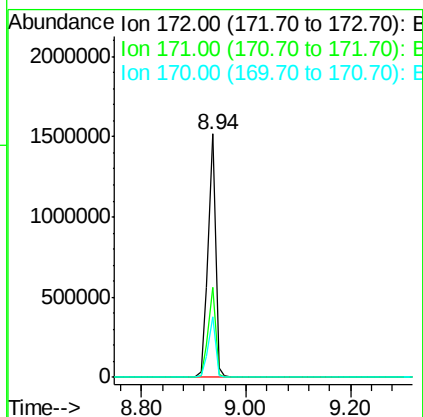
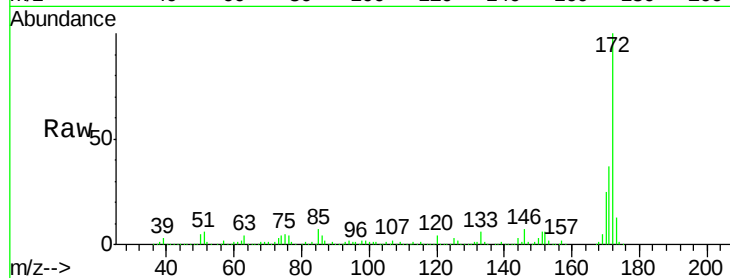




#44
 2-Fluorobiphenyl
 Concen: 96.37 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087197.D
 Acq: 19 May 2016 20:06

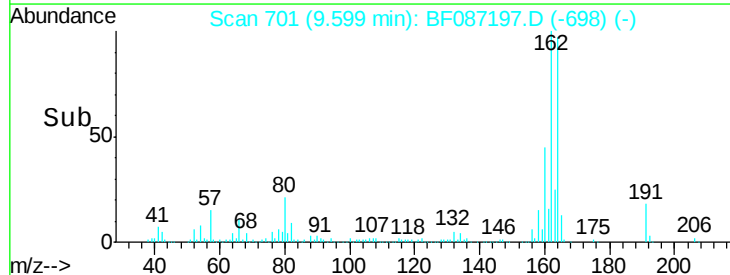
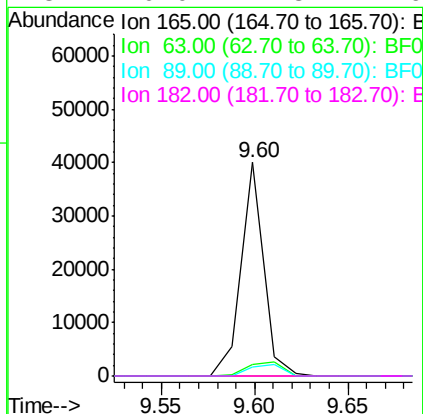
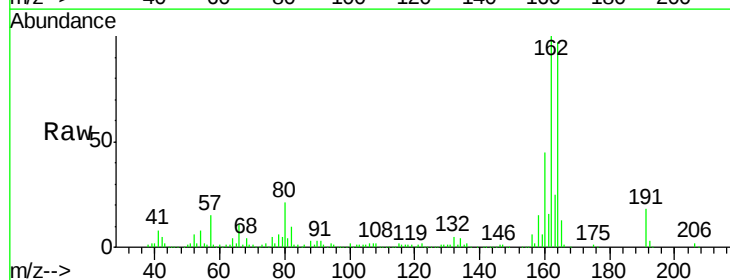
Instrument :
 BNA_F
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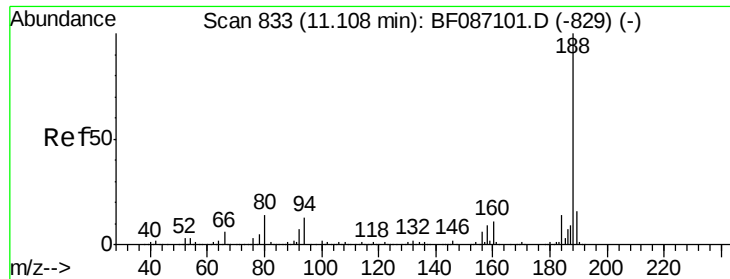
Tgt Ion:172 Resp: 1516685
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.0 43.6
 170 24.9 19.8 29.8



#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.26 min
 Lab File: BF087197.D
 Acq: 19 May 2016 20:06

Tgt Ion:165 Resp: 33980
 Ion Ratio Lower Upper
 165 100
 63 5.4 44.3 66.5#
 89 4.3 70.0 105.0#
 182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.05 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

BNA_F

ClientSampleId :

MW-1

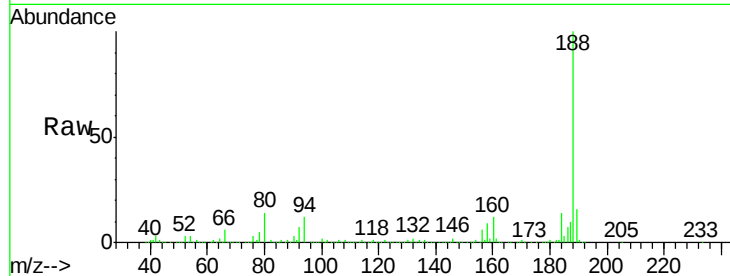
Tgt Ion:188 Resp: 449095

Ion Ratio Lower Upper

188 100

94 11.8 6.8 10.2#

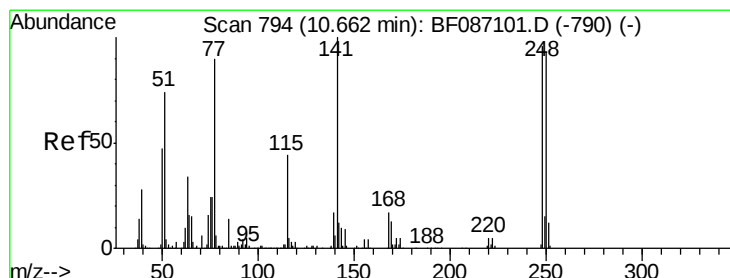
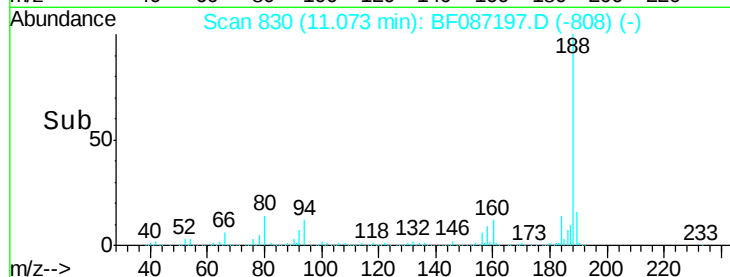
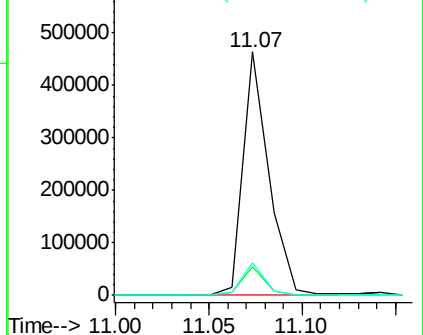
80 13.5 7.1 10.7#



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: 4.51 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.29 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

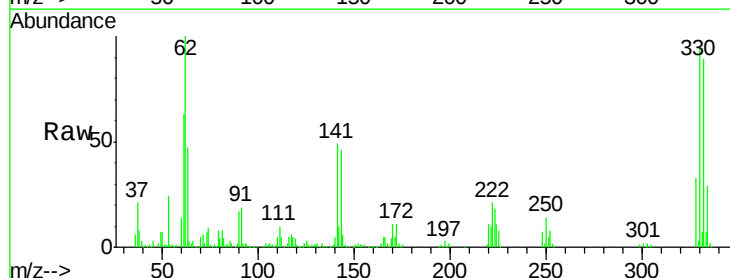
Tgt Ion:248 Resp: 20822

Ion Ratio Lower Upper

248 100

250 194.4 78.6 117.8#

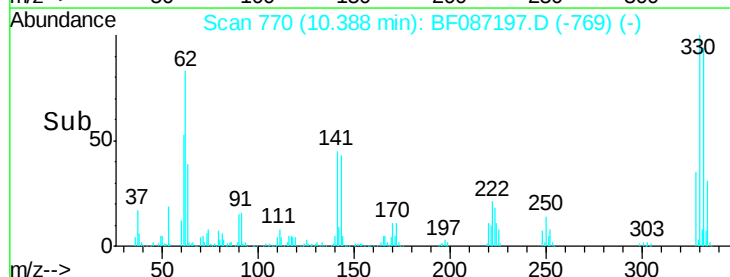
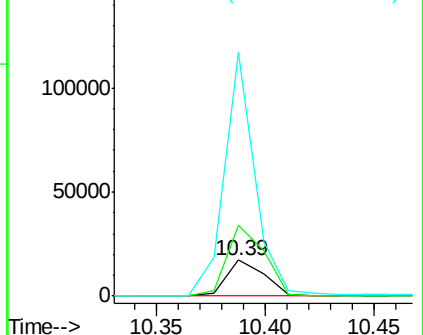
141 673.5 76.0 114.0#

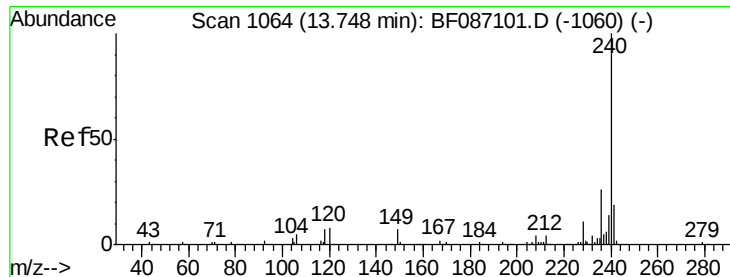


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

Instrument :

BNA_F

ClientSampleId :

MW-1

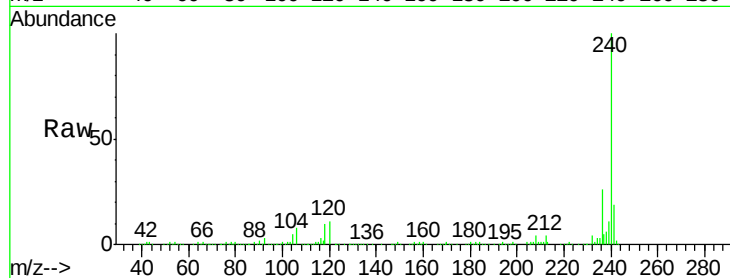
Tgt Ion:240 Resp: 326923

Ion Ratio Lower Upper

240 100

120 11.4 11.2 16.8

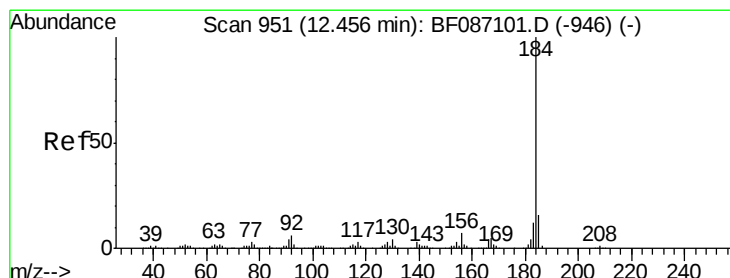
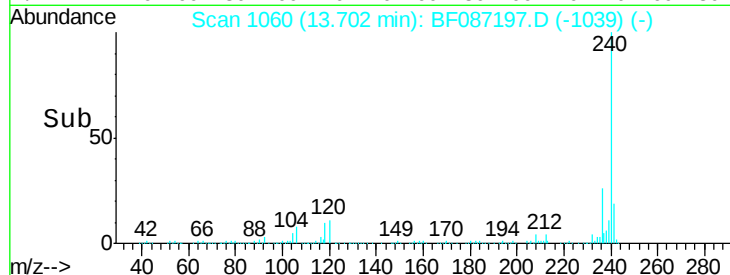
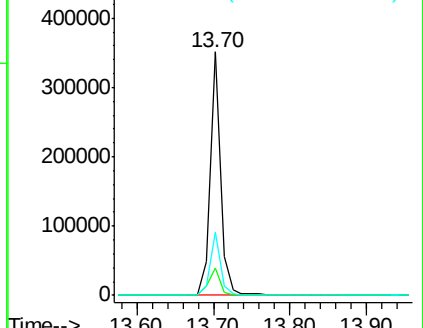
236 26.0 21.2 31.8



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



#76

Benzidine

Concen: 2.51 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087197.D

Acq: 19 May 2016 20:06

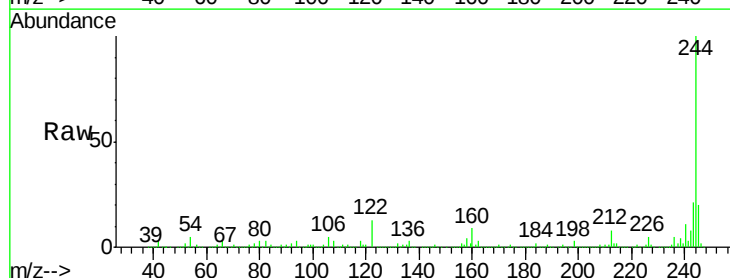
Tgt Ion:184 Resp: 19154

Ion Ratio Lower Upper

184 100

185 17.0 13.6 20.4

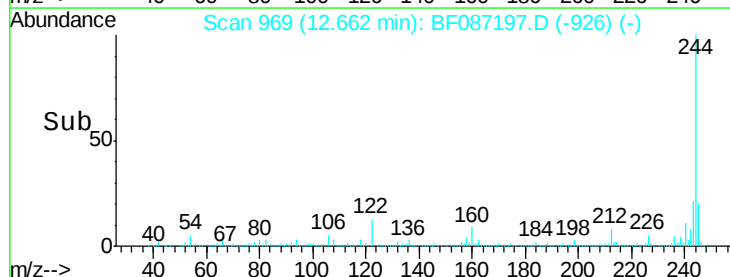
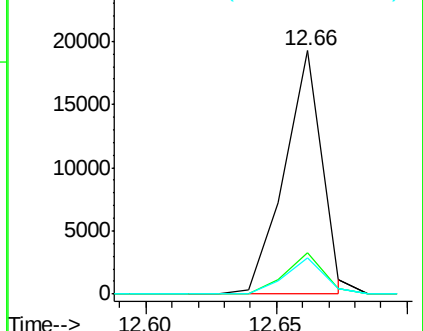
183 14.7 9.8 14.6#

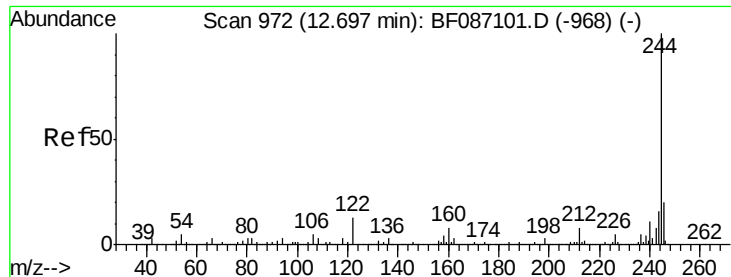


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

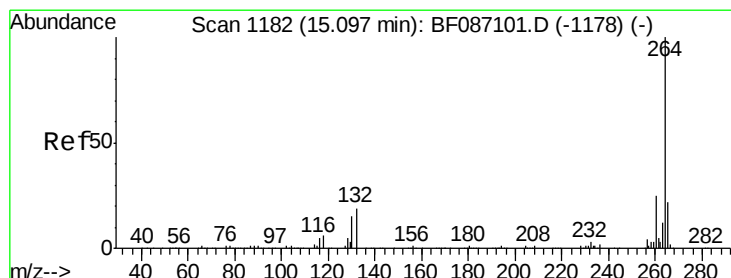
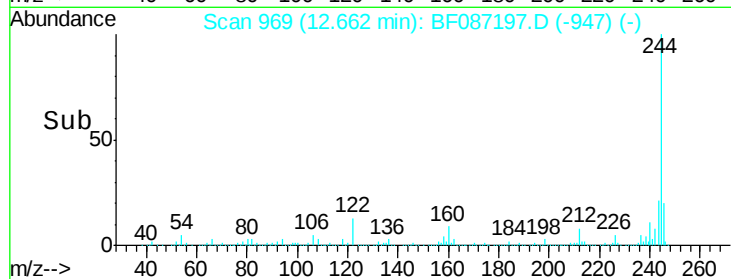
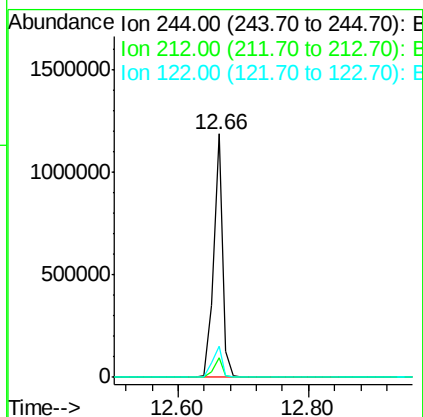
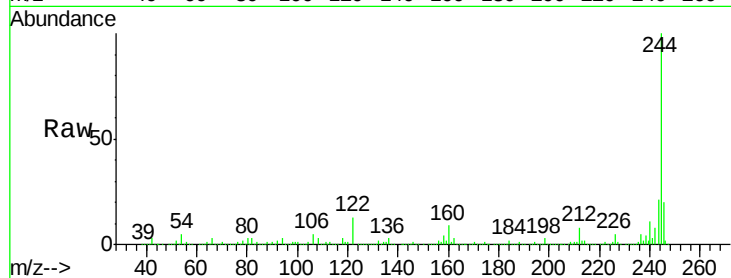




#78
 Terphenyl-d14
 Concen: 80.58 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.05 min
 Lab File: BF087197.D
 Acq: 19 May 2016 20:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:244 Resp: 1164502
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 12.9 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF087197.D
 Acq: 19 May 2016 20:06

Tgt Ion:264 Resp: 275163
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.4 17.3 25.9

