

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060416\
 Data File : BF087693.D
 Acq On : 5 Jun 2016 7:11
 Operator : UM/SJ
 Sample : H3344-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Quant Time: Jun 06 01:14:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125713	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	521215	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	233487	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	454129	20.00	ng	0.00
75) Chrysene-d12	14.01	240	369239	20.00	ng	-0.01
86) Perylene-d12	15.44	264	276966	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	492277	63.29	ng	0.00
7) Phenol-d6	6.48	99	439638	45.07	ng	-0.01
23) Nitrobenzene-d5	7.43	82	889888	98.78	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	322970	137.80	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1495828	107.73	ng	-0.01
78) Terphenyl-d14	12.97	244	1125205	74.36	ng	0.00

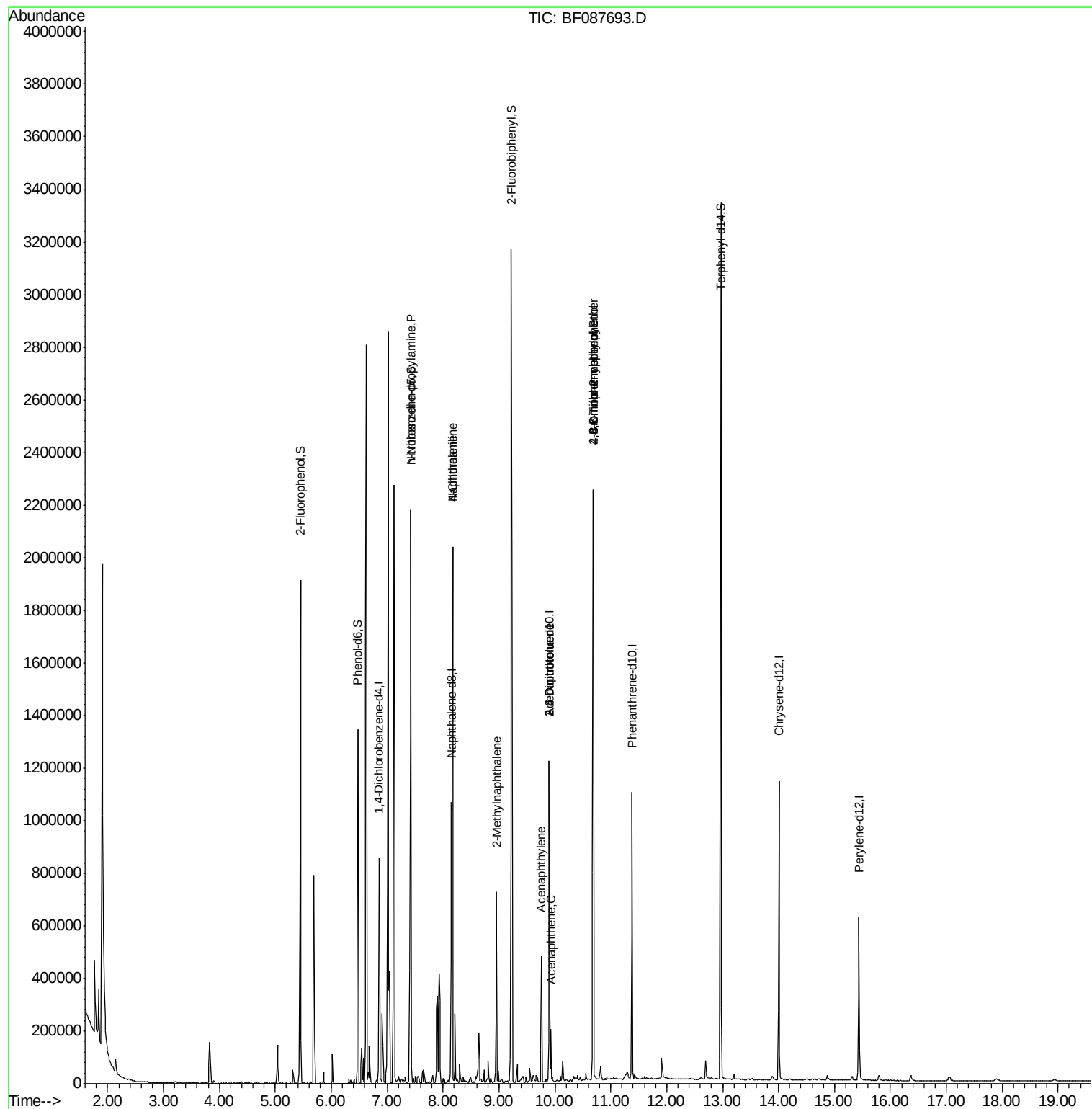
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	120756	19.82	ng	# 74
31) Naphthalene	8.17	128	1076283	42.47	ng	99
33) 4-Chloroaniline	8.17	127	144145	13.09	ng	# 33
37) 2-Methylnaphthalene	8.96	142	216764	12.95	ng	96
48) Acenaphthylene	9.76	152	196478	8.35	ng	99
50) 2,6-Dinitrotoluene	9.90	165	30476	7.89	ng	# 40
51) Acenaphthene	9.93	154	43125	2.85	ng	99
56) 2,4-Dinitrotoluene	9.90	165	30477	6.20	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.68	198	486	2.20	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	18204	4.04	ng	# 1

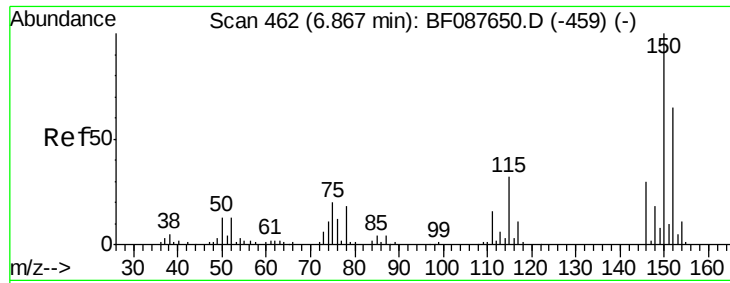
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Instrument :

BNA_F

ClientSampleId :

MW-18

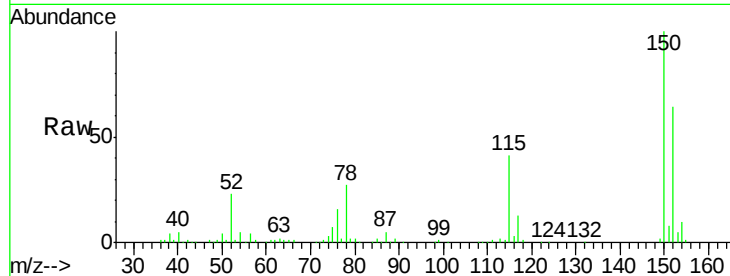
Tgt Ion:152 Resp: 125713

Ion Ratio Lower Upper

152 100

150 155.4 123.8 185.6

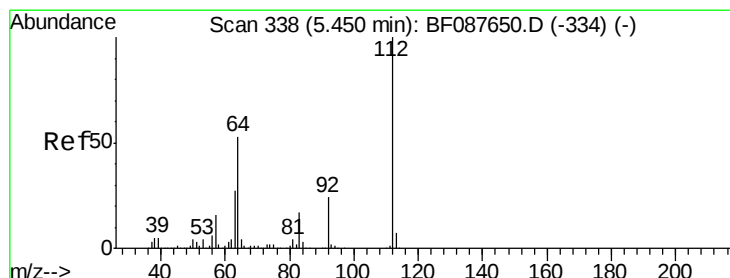
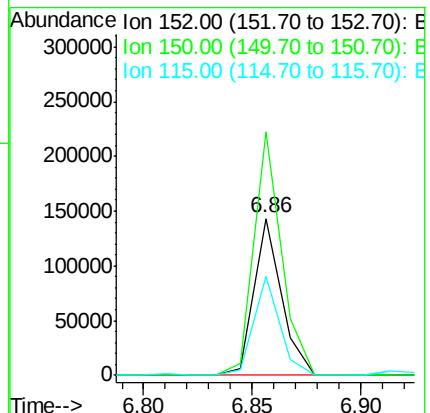
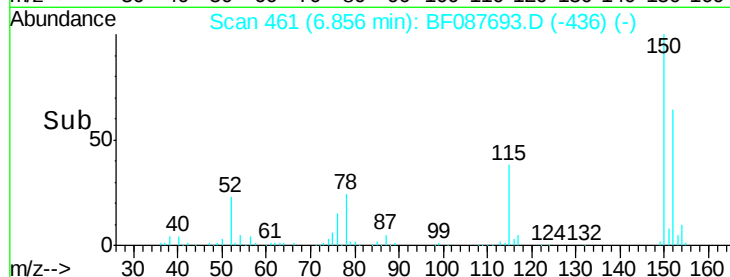
115 63.3 39.6 59.4#



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: 63.29 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

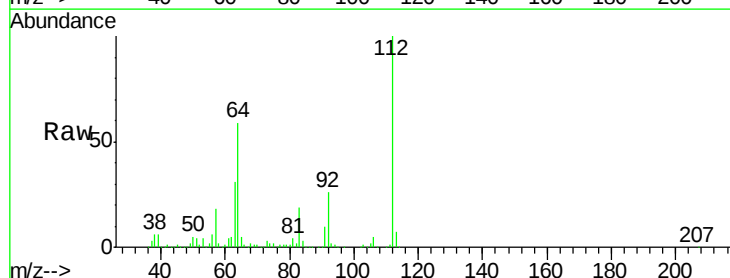
Tgt Ion:112 Resp: 492277

Ion Ratio Lower Upper

112 100

64 59.1 42.2 63.2

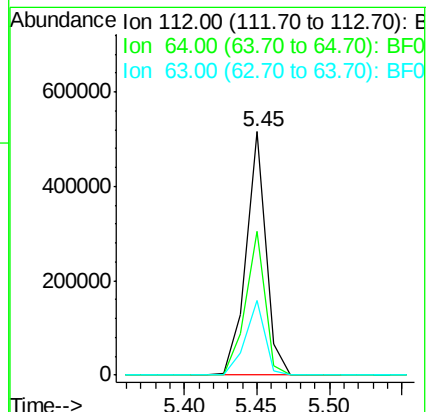
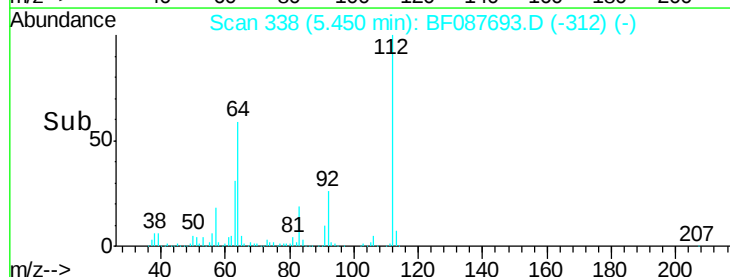
63 30.9 21.8 32.8

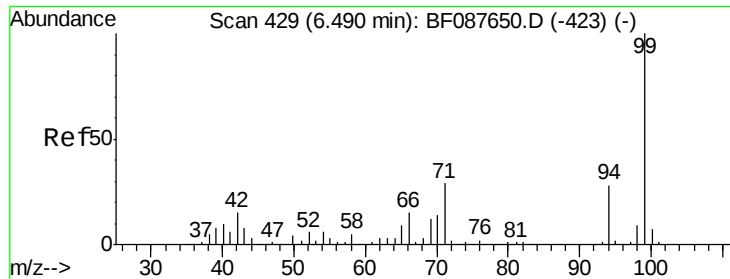


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.07 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Instrument :

BNA_F

ClientSampleId :

MW-18

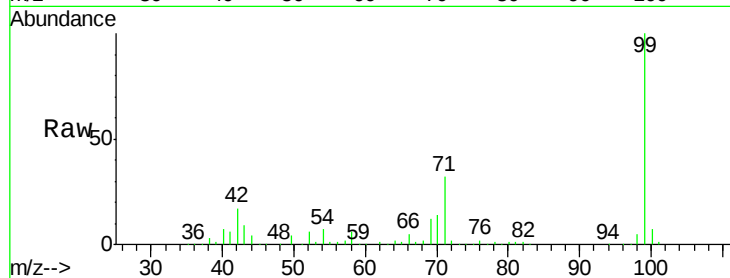
Tgt Ion: 99 Resp: 439638

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

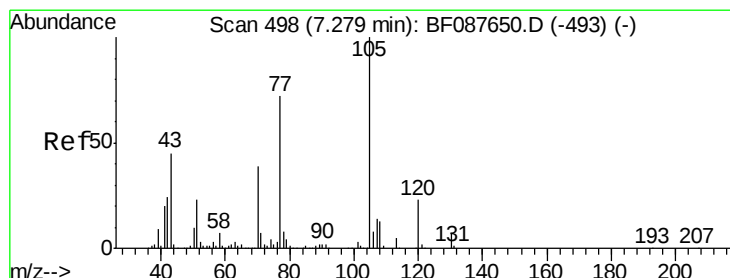
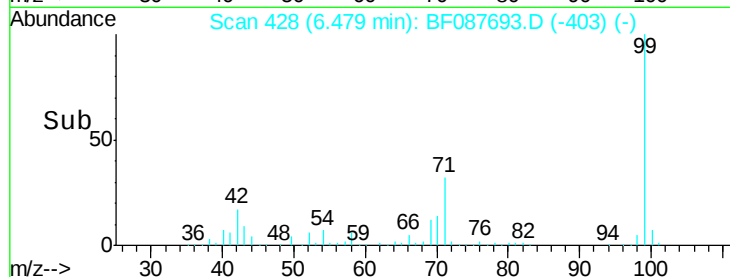
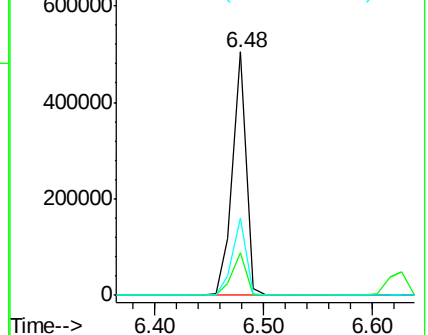
71 31.7 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.82 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.15 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Tgt Ion: 70 Resp: 120756

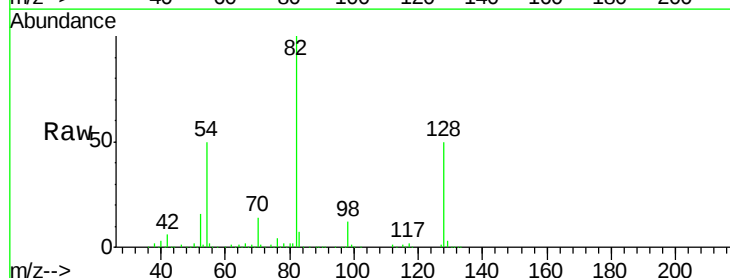
Ion Ratio Lower Upper

70 100

42 44.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

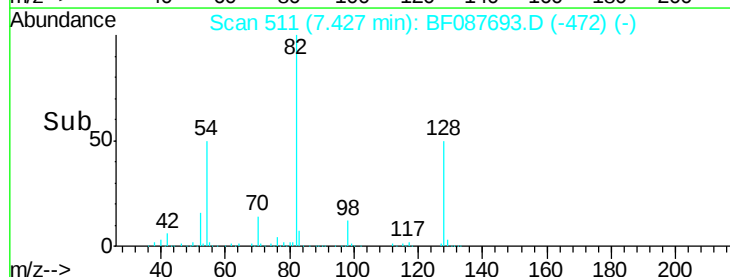
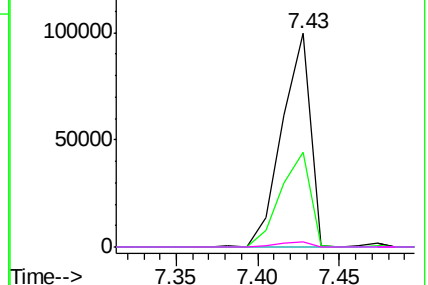


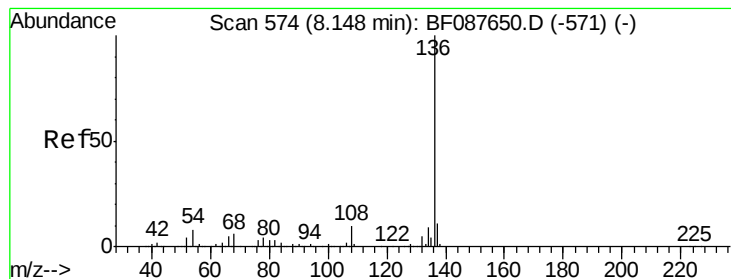
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Instrument :

BNA_F

ClientSampleId :

MW-18

Tgt Ion:136 Resp: 521215

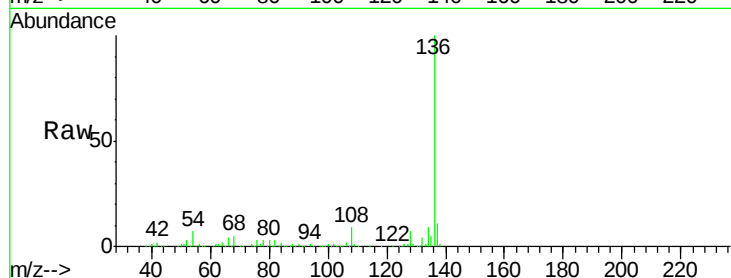
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.6 6.6 10.0#

68 5.3 5.1 7.7

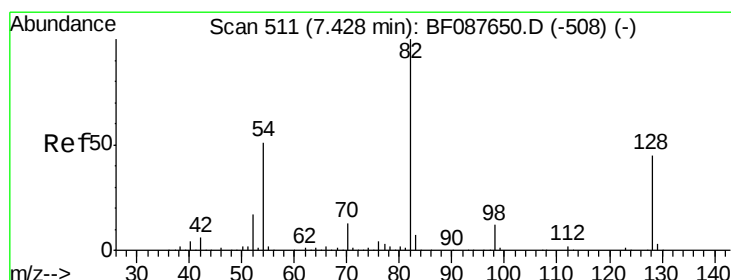
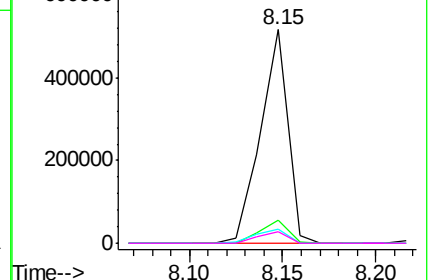
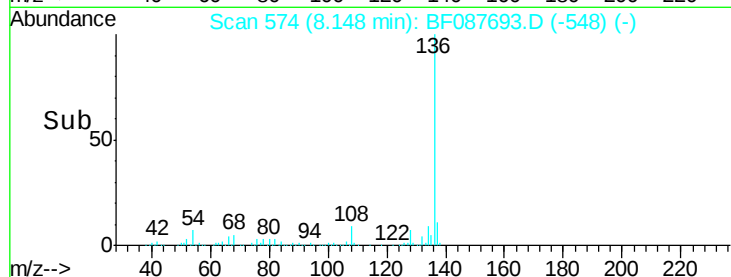


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.78 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

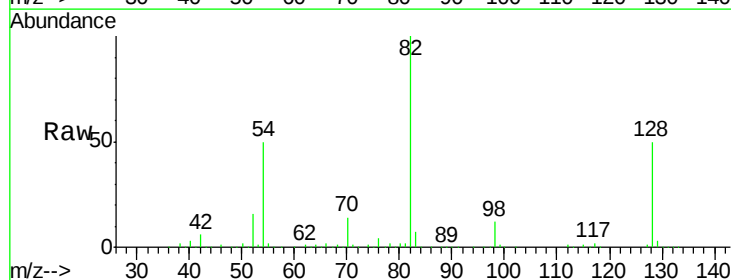
Tgt Ion: 82 Resp: 889888

Ion Ratio Lower Upper

82 100

128 49.6 35.9 53.9

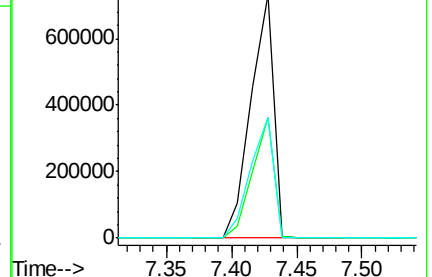
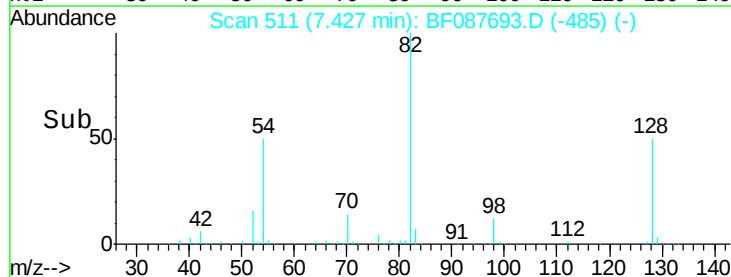
54 49.5 40.9 61.3

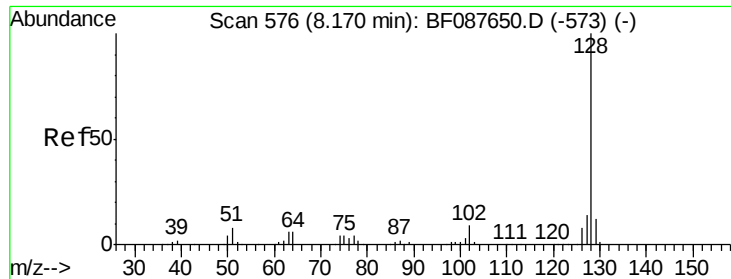


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

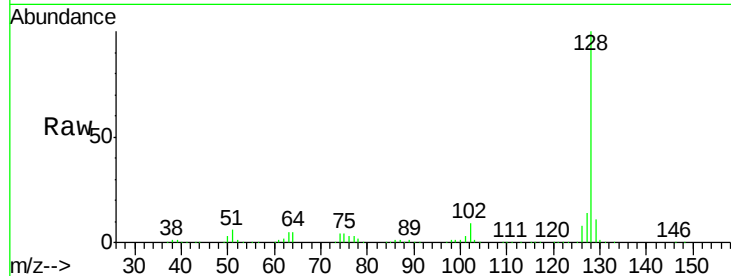




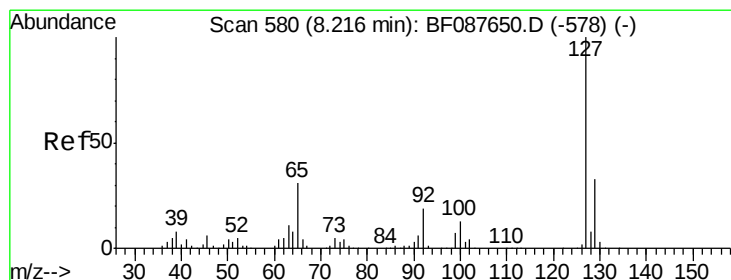
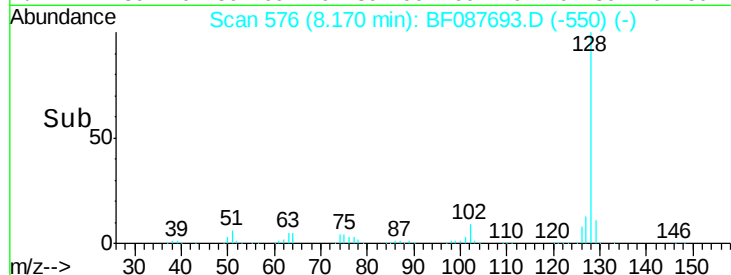
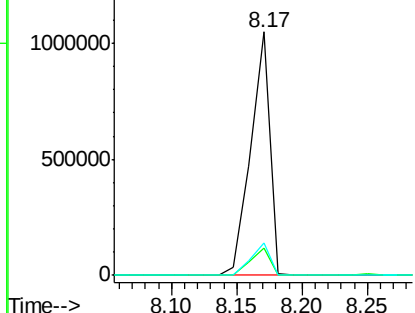
#31
Naphthalene
Concen: 42.47 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF087693.D
Acq: 5 Jun 2016 7:11

Instrument :
BNA_F
ClientSampled :
MW-18

Tgt Ion:128 Resp: 1076283
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.5 10.9 16.3

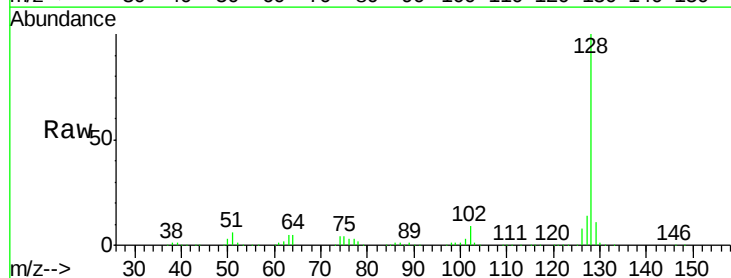


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

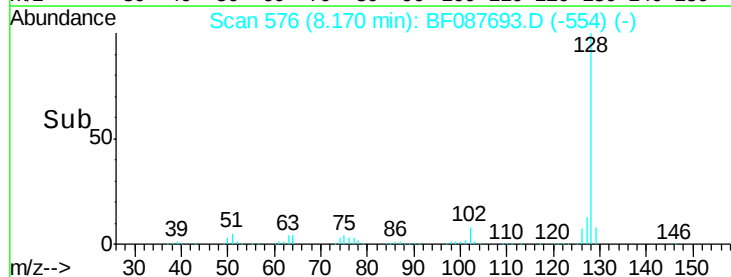
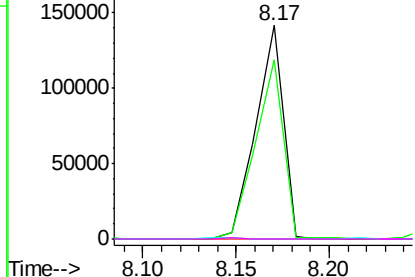


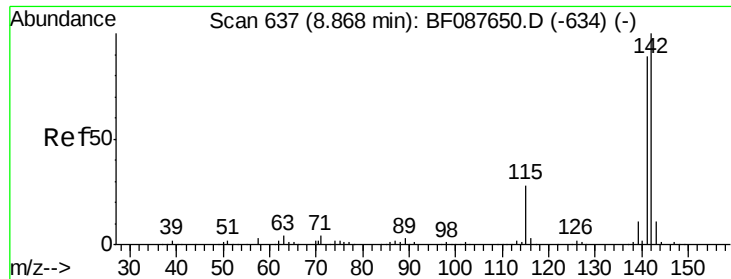
#33
4-Chloroaniline
Concen: 13.09 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.05 min
Lab File: BF087693.D
Acq: 5 Jun 2016 7:11

Tgt Ion:127 Resp: 144145
Ion Ratio Lower Upper
127 100
129 83.9 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

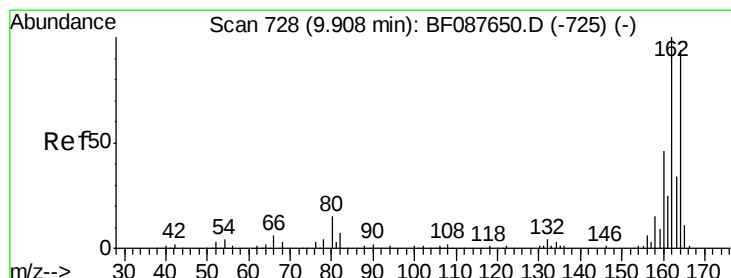
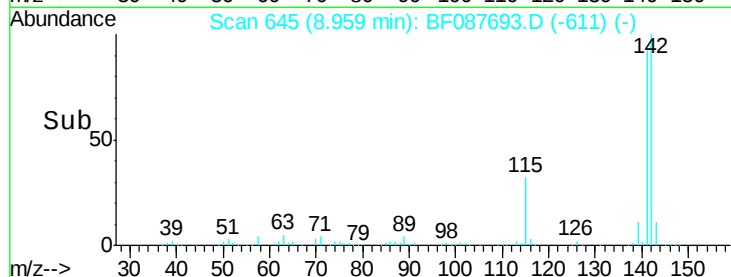
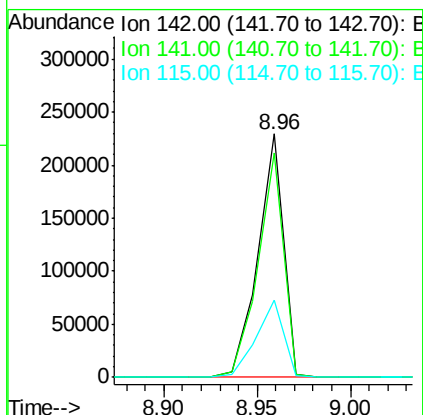
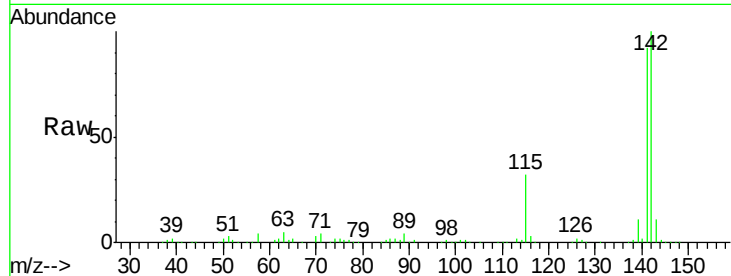




#37
 2-Methylnaphthalene
 Concen: 12.95 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.09 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

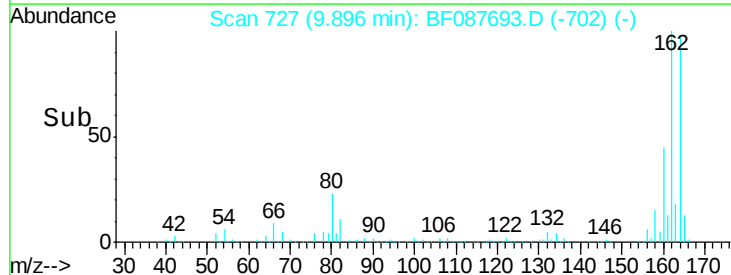
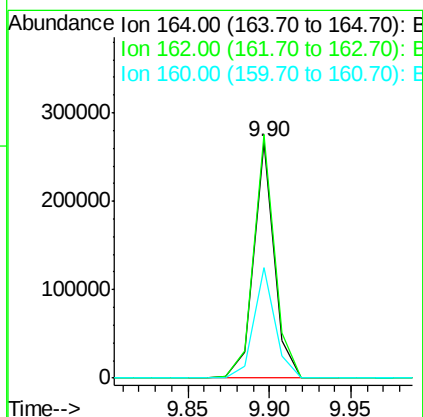
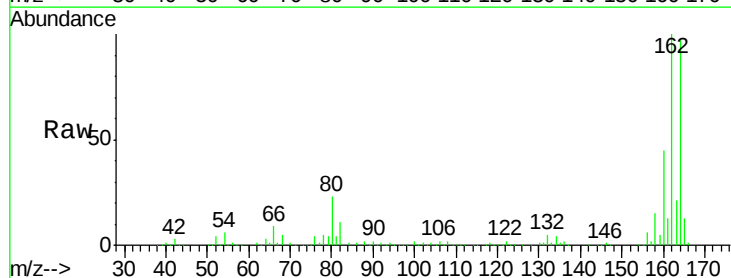
Instrument :
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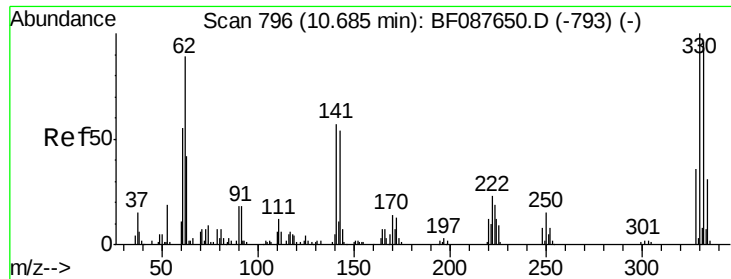
Tgt Ion:142 Resp: 216764
 Ion Ratio Lower Upper
 142 100
 141 92.2 71.0 106.6
 115 31.9 22.6 33.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Tgt Ion:164 Resp: 233487
 Ion Ratio Lower Upper
 164 100
 162 103.1 85.4 128.2
 160 46.8 39.5 59.3

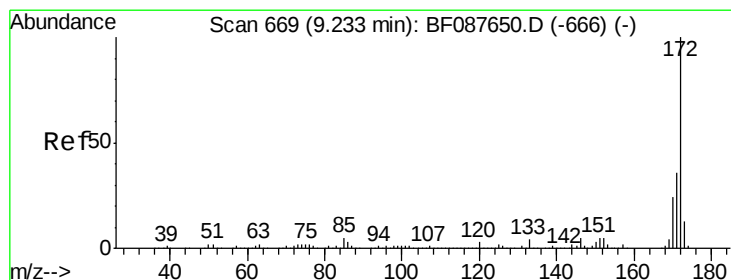
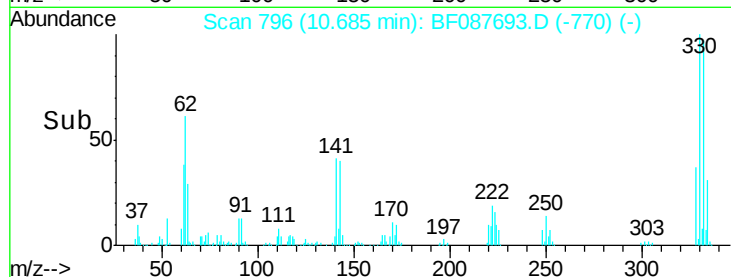
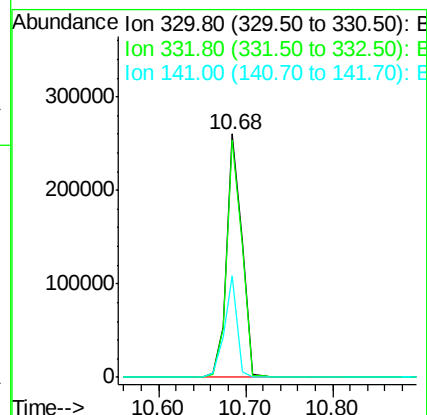
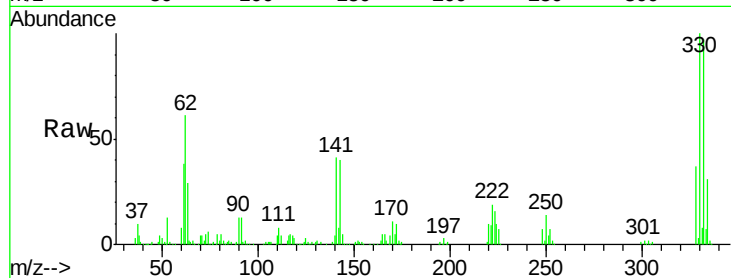




#41
 2,4,6-Tribromophenol
 Concen: 137.80 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

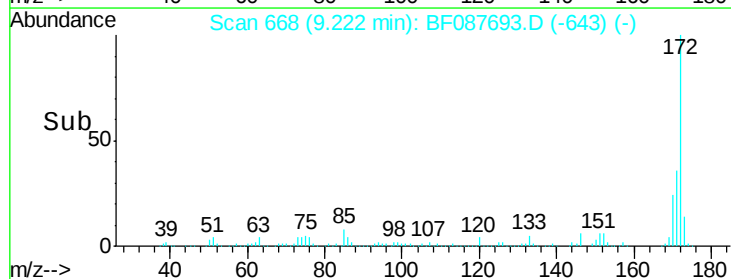
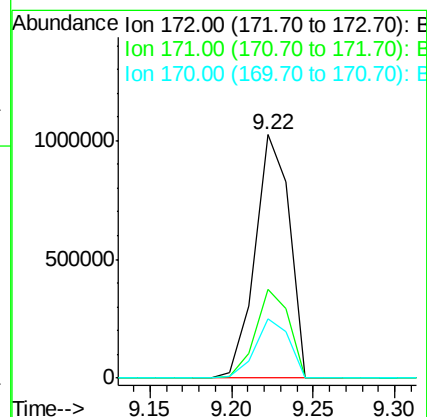
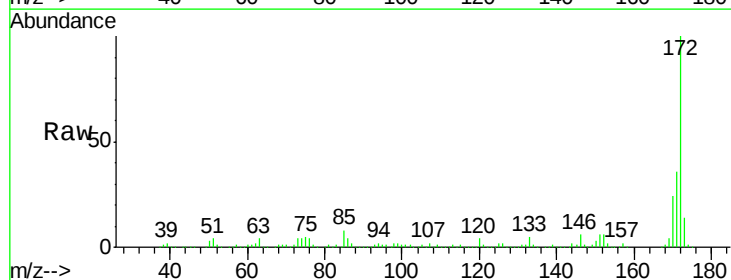
Instrument :
 BNA_F
 ClientSampleId :
 MW-18

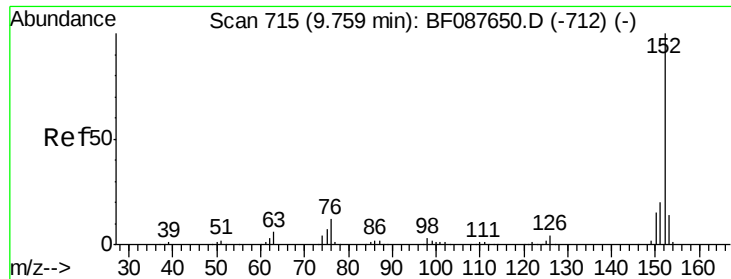
Tgt Ion:330 Resp: 322970
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 34.8 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 107.73 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Tgt Ion:172 Resp: 1495828
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.2 19.2 28.8





#48

Acenaphthylene

Concen: 8.35 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Instrument :

BNA_F

ClientSampleId :

MW-18

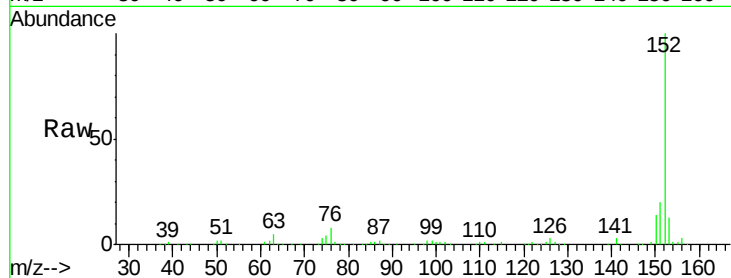
Tgt Ion:152 Resp: 196478

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

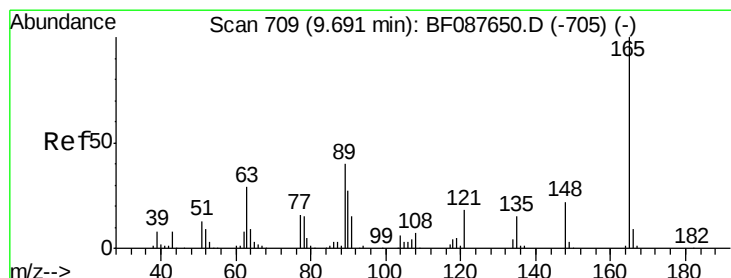
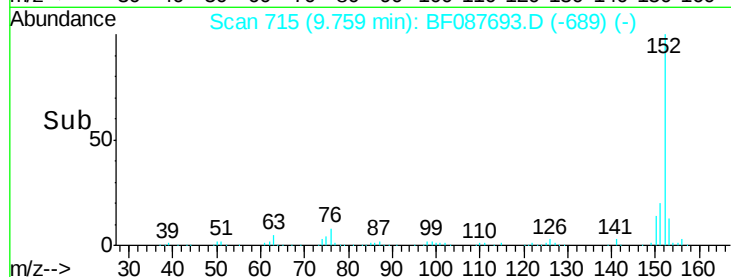
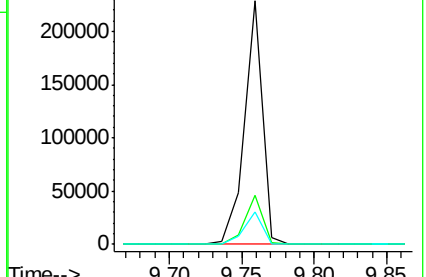
153 13.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.90 min Scan# 727

Delta R.T. 0.21 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

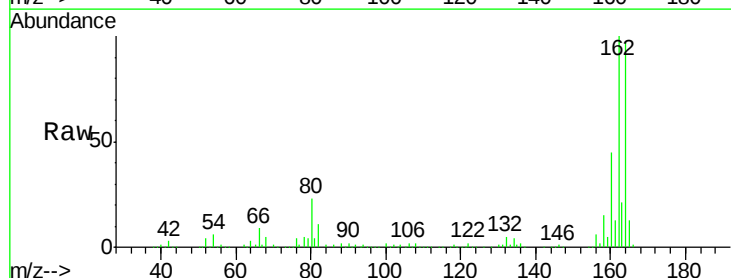
Tgt Ion:165 Resp: 30476

Ion Ratio Lower Upper

165 100

63 1.8 28.1 42.1#

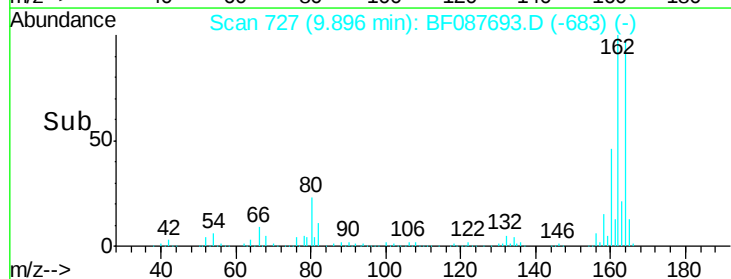
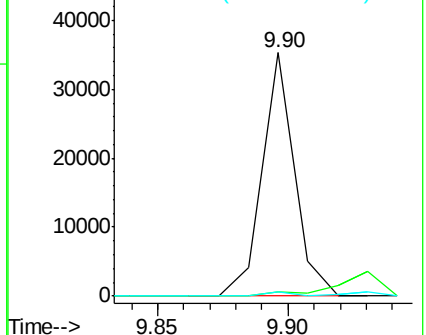
89 1.6 32.2 48.2#

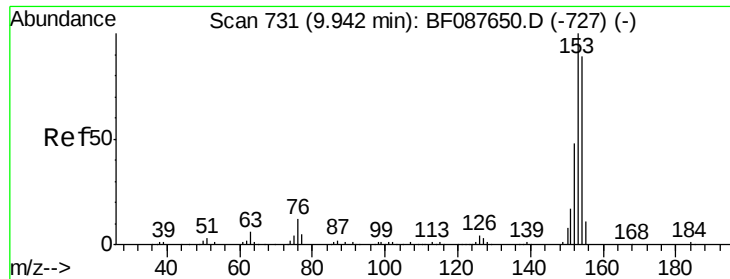


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.85 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Instrument :

BNA_F

ClientSampleId :

MW-18

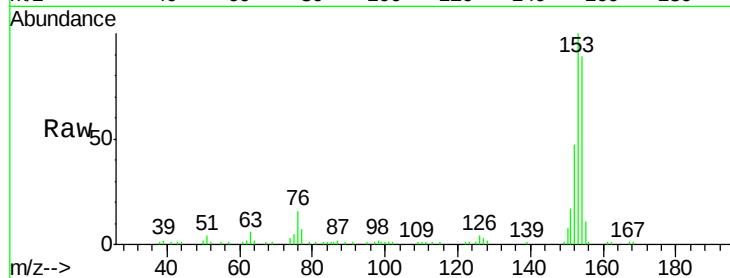
Tgt Ion:154 Resp: 43125

Ion Ratio Lower Upper

154 100

153 112.8 89.5 134.3

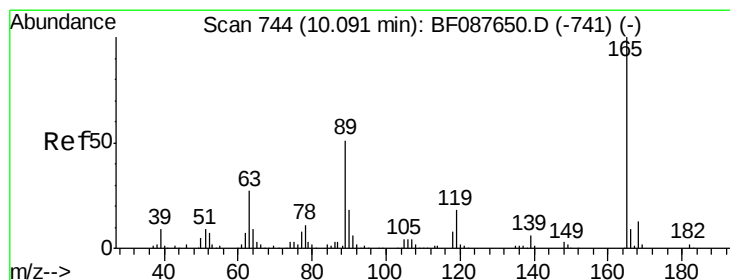
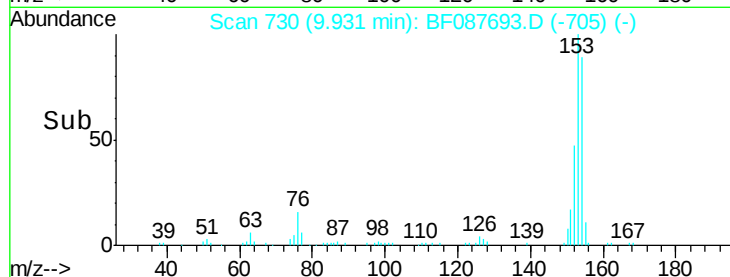
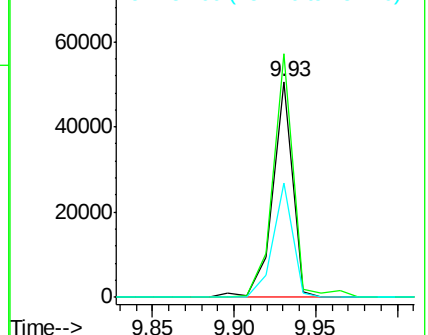
152 53.0 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.19 min

Lab File: BF087693.D

Acq: 5 Jun 2016 7:11

Tgt Ion:165 Resp: 30477

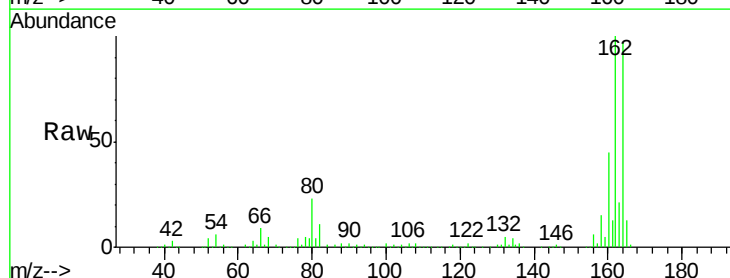
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

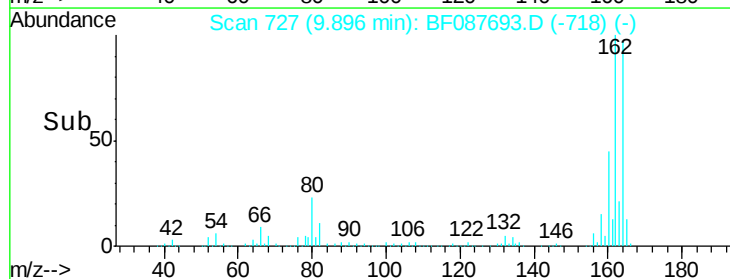
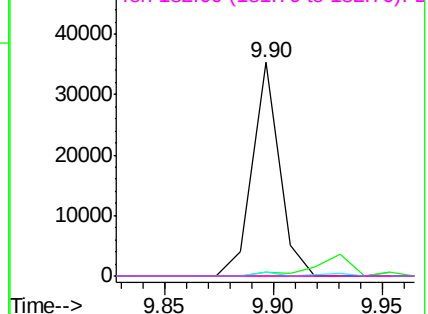


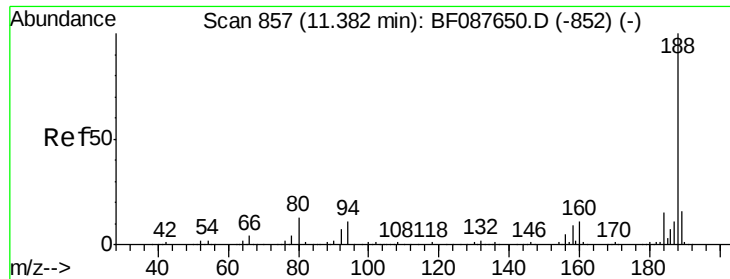
Abundance Ion 165.00 (164.70 to 165.70): E

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

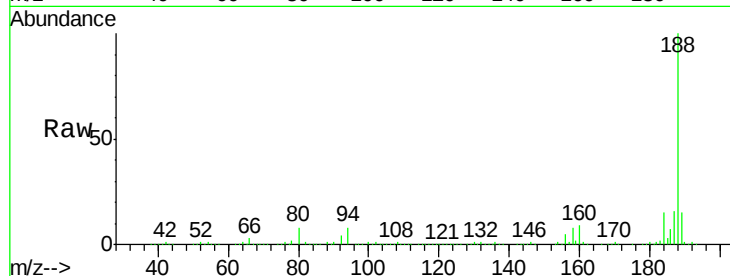




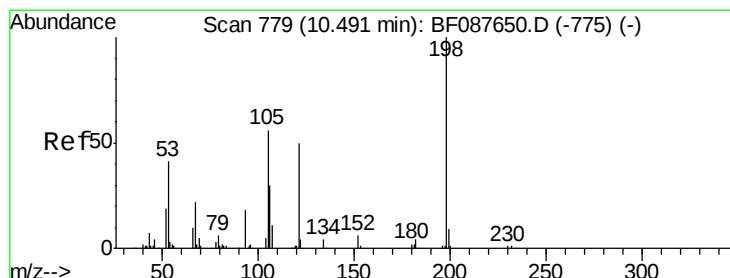
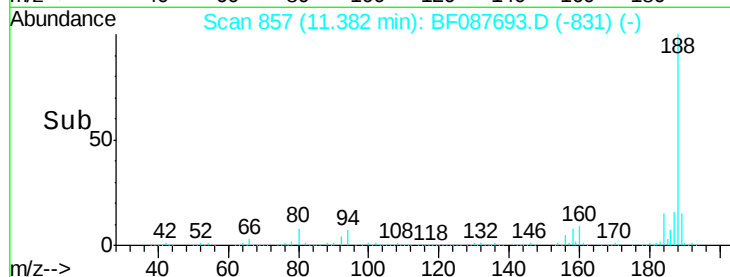
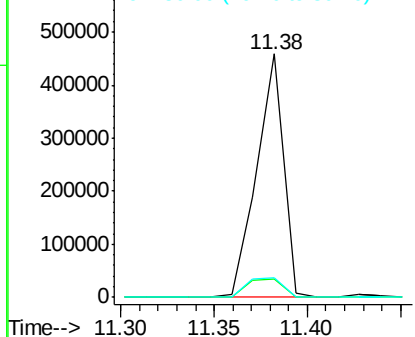
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Tgt Ion:188 Resp: 454129
 Ion Ratio Lower Upper
 188 100
 94 7.5 9.0 13.6#
 80 7.8 10.0 15.0#

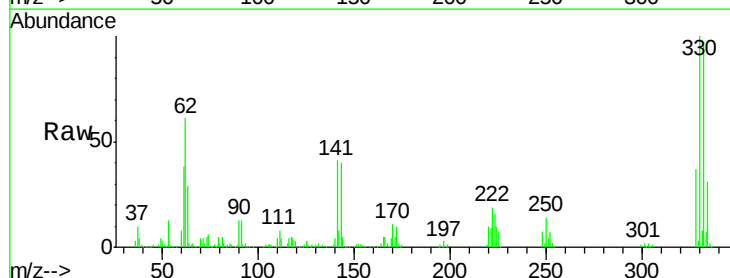


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

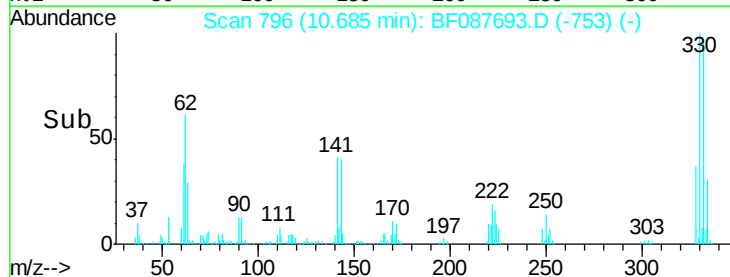
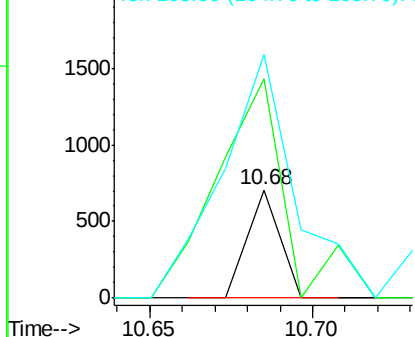


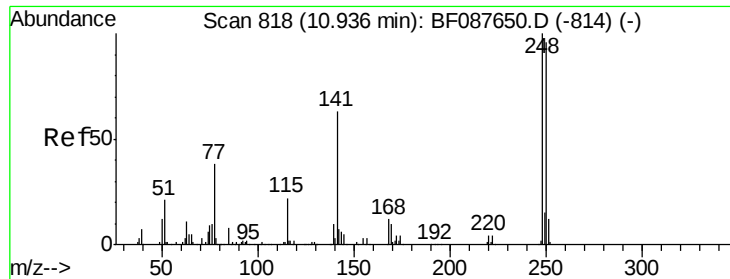
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.20 ng
 RT: 10.68 min Scan# 796
 Delta R.T. 0.19 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Tgt Ion:198 Resp: 486
 Ion Ratio Lower Upper
 198 100
 51 202.3 39.6 79.6#
 105 224.4 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

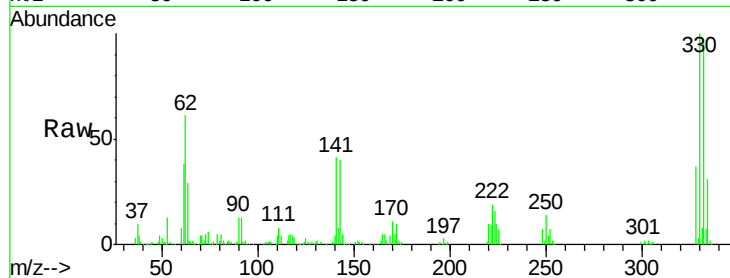




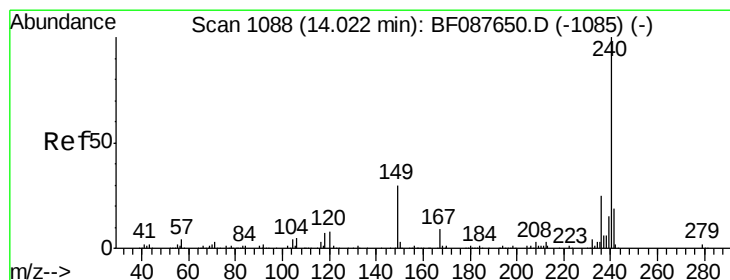
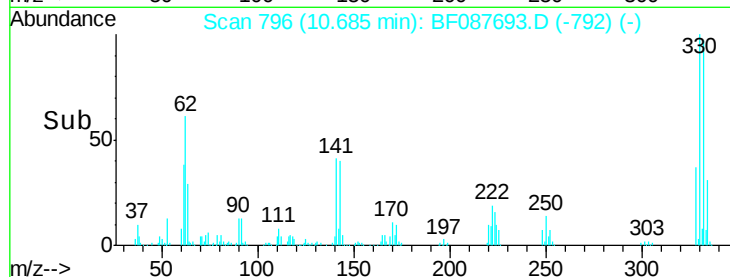
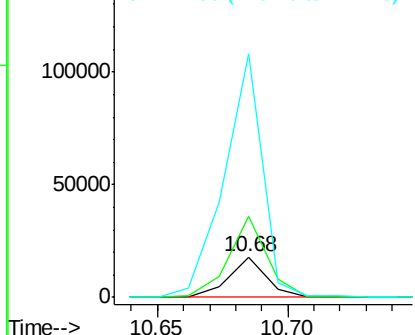
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.25 min
Lab File: BF087693.D
Acq: 5 Jun 2016 7:11

Instrument :
BNA_F
ClientSampled :
MW-18

Tgt Ion:248 Resp: 18204
Ion Ratio Lower Upper
248 100
250 199.3 77.1 115.7#
141 597.7 50.6 76.0#

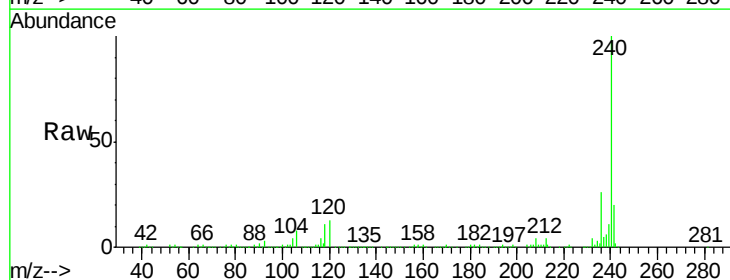


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

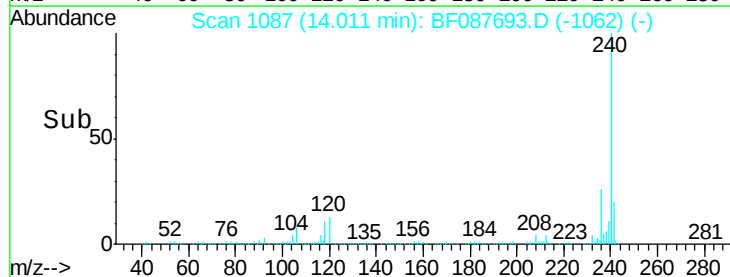
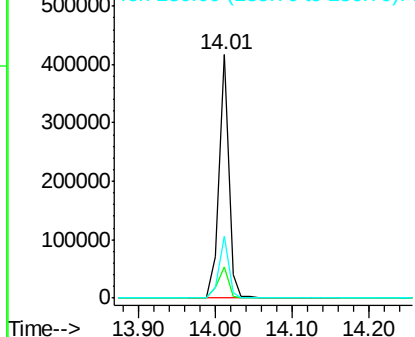


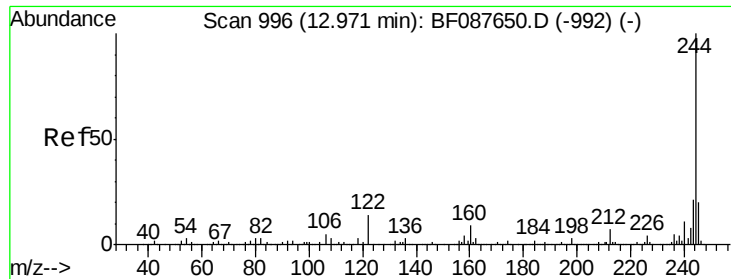
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087693.D
Acq: 5 Jun 2016 7:11

Tgt Ion:240 Resp: 369239
Ion Ratio Lower Upper
240 100
120 12.8 6.8 10.2#
236 25.6 20.2 30.2



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

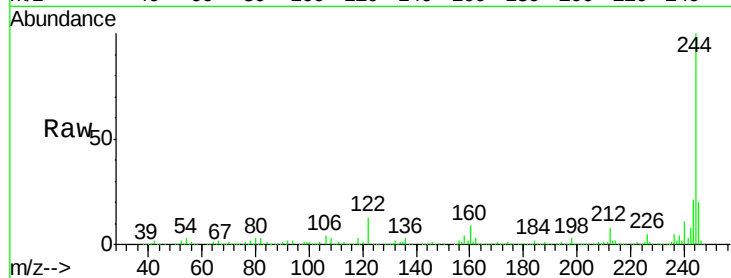




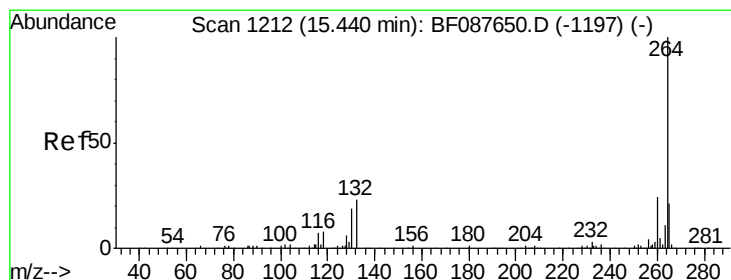
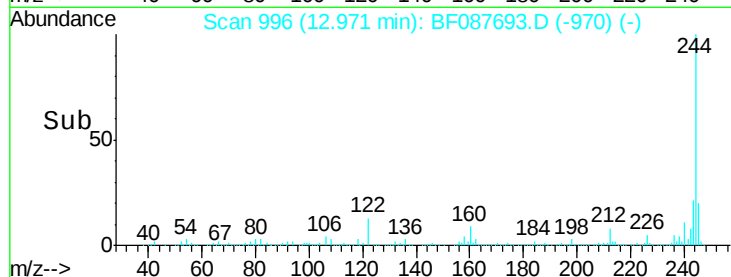
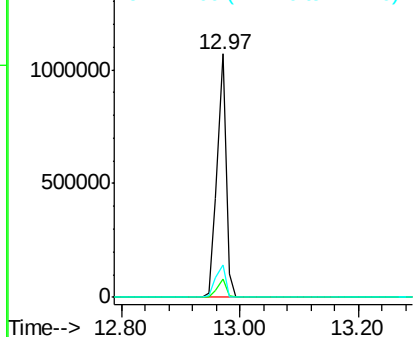
#78
 Terphenyl-d14
 Concen: 74.36 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Tgt Ion:244 Resp: 1125205
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.4 11.2 16.8

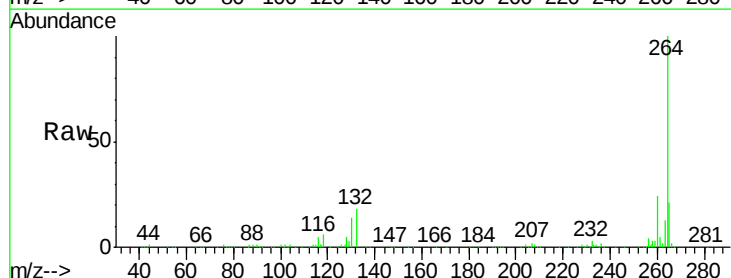


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087693.D
 Acq: 5 Jun 2016 7:11

Tgt Ion:264 Resp: 276966
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.3 16.9 25.3



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

