

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085273.D
 Acq On : 8 Mar 2016 23:31
 Operator : UM/SJ
 Sample : H1684-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 48-BRIDGE-GRID-1

Quant Time: Mar 09 00:12:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

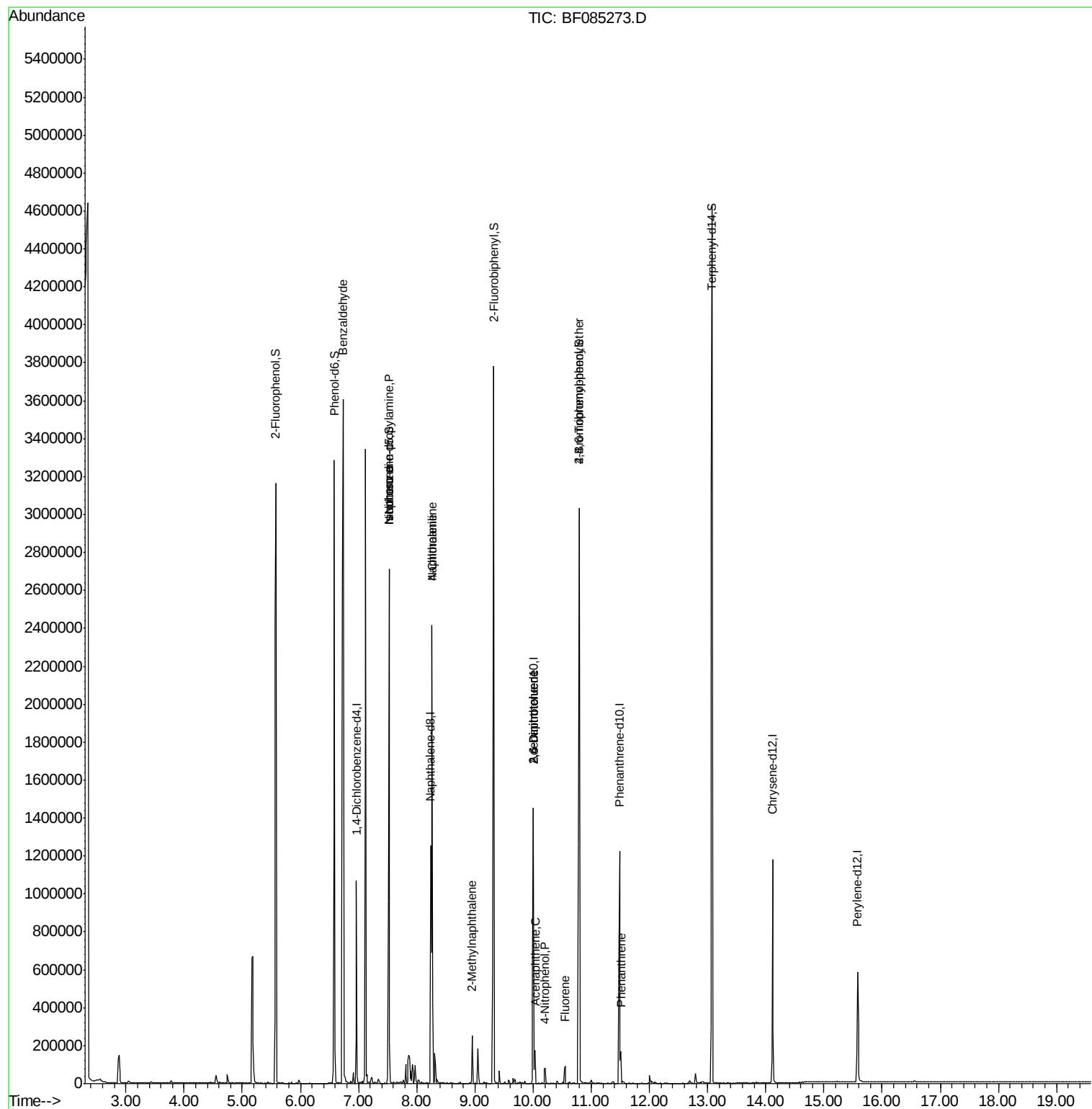
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	156071	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	593858	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	291720	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	541773	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	390037	20.00	ng	-0.03
86) Perylene-d12	15.58	264	269688	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1265470	136.01	ng	0.00
7) Phenol-d6	6.58	99	1259655	103.33	ng	-0.02
23) Nitrobenzene-d5	7.52	82	950548	85.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	379084	151.87	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1824363	95.11	ng	-0.02
78) Terphenyl-d14	13.08	244	1839125	109.46	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.73	77	29567	2.31	ng	90
19) n-Nitroso-di-n-propylamine	7.52	70	127246	16.02	ng	# 78
25) Isophorone	7.52	82	706299	34.34	ng	# 67
31) Naphthalene	8.26	128	1078358	36.93	ng	99
33) 4-Chloroaniline	8.26	127	144343	12.22	ng	# 32
37) 2-Methylnaphthalene	8.95	142	99715	5.32	ng	96
50) 2,6-Dinitrotoluene	10.00	165	38232	7.98	ng	# 26
51) Acenaphthene	10.04	154	56468	3.15	ng	97
55) 4-Nitrophenol	10.21	139	17942	3.98	ng	# 17
56) 2,4-Dinitrotoluene	10.00	165	38226	6.24	ng	# 22
57) Fluorene	10.55	166	38370	2.08	ng	99
66) 4-Bromophenyl-phenylether	10.79	248	27462	5.22	ng	# 1
70) Phenanthrene	11.51	178	78812	2.78	ng	96

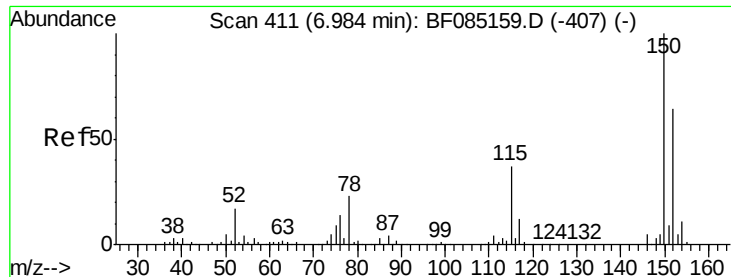
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

Instrument :

BNA_F

ClientSampleId :

48-BRIDGE-GRID-1

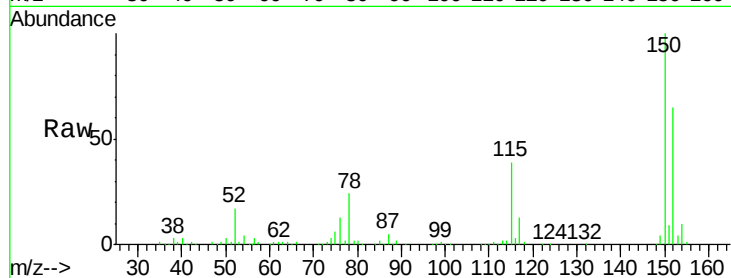
Tgt Ion:152 Resp: 156071

Ion Ratio Lower Upper

152 100

150 154.1 124.6 186.8

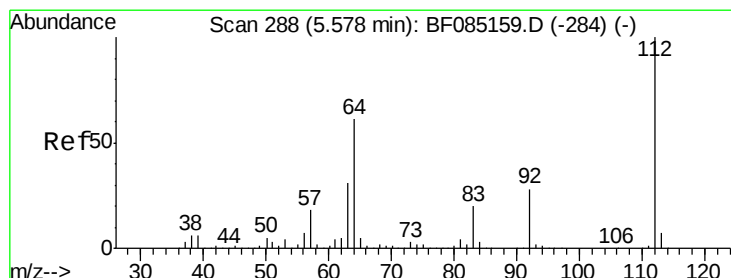
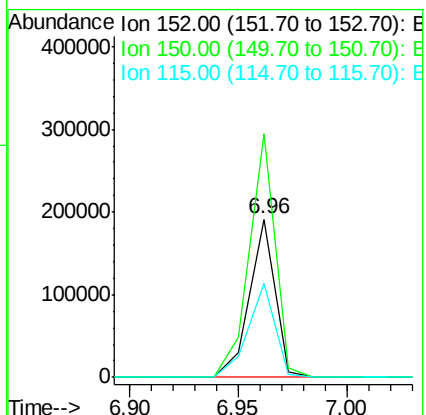
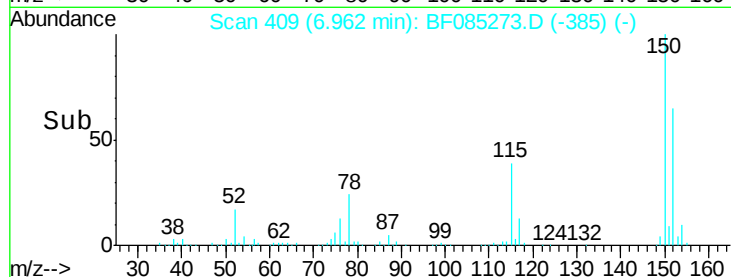
115 59.6 46.6 70.0



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: 136.01 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

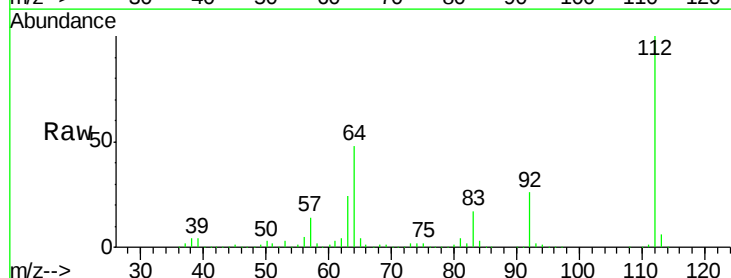
Tgt Ion:112 Resp: 1265470

Ion Ratio Lower Upper

112 100

64 48.3 49.0 73.4#

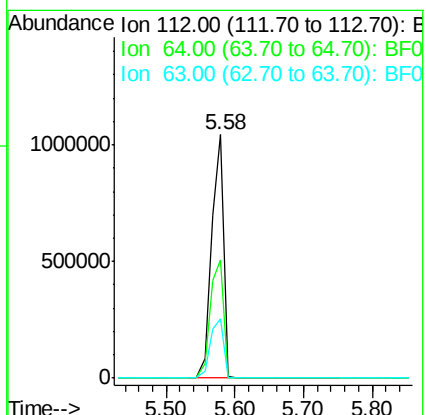
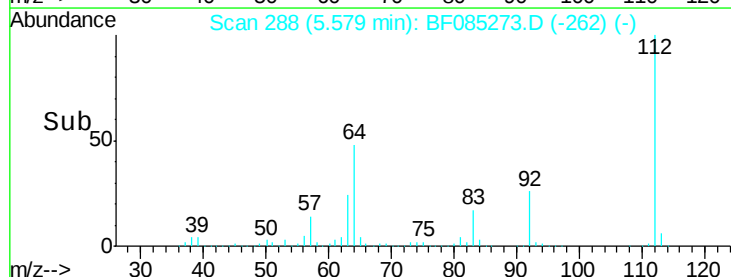
63 24.2 24.8 37.2#

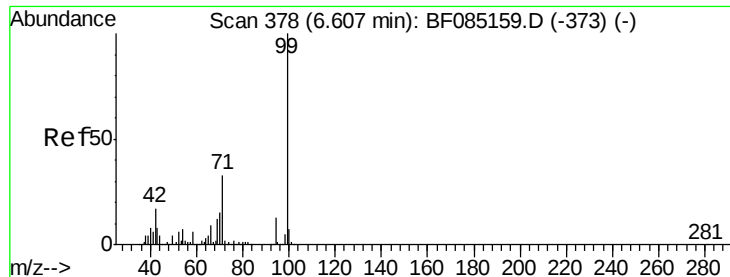


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.33 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

Instrument :

BNA_F

ClientSampleId :

48-BRIDGE-GRID-1

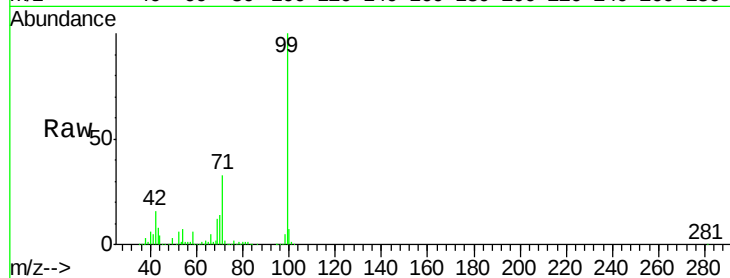
Tgt Ion: 99 Resp: 1259655

Ion Ratio Lower Upper

99 100

42 15.9 13.6 20.4

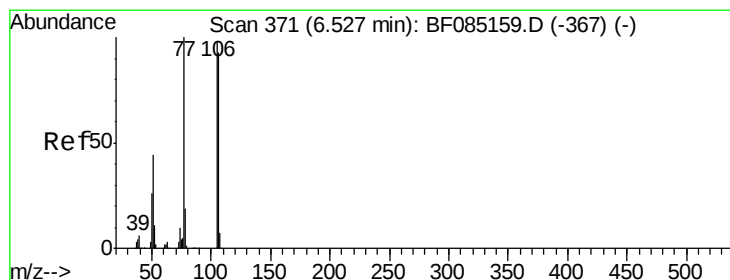
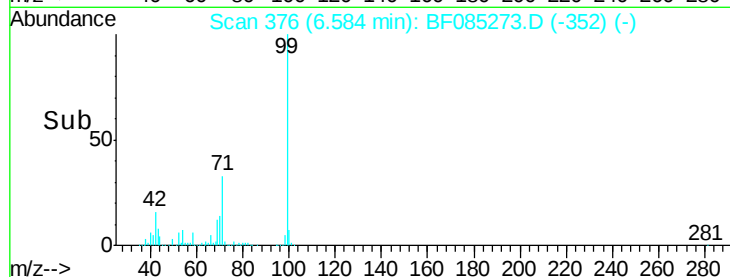
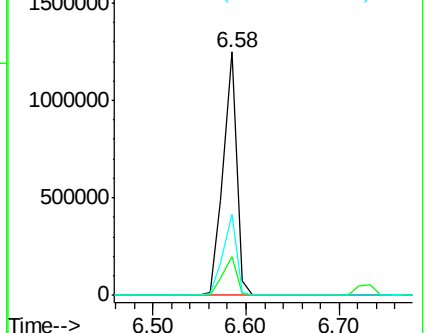
71 33.2 26.7 40.1



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: 2.31 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

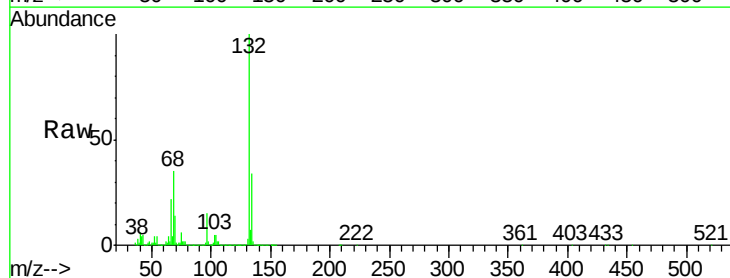
Tgt Ion: 77 Resp: 29567

Ion Ratio Lower Upper

77 100

105 86.8 78.2 118.2

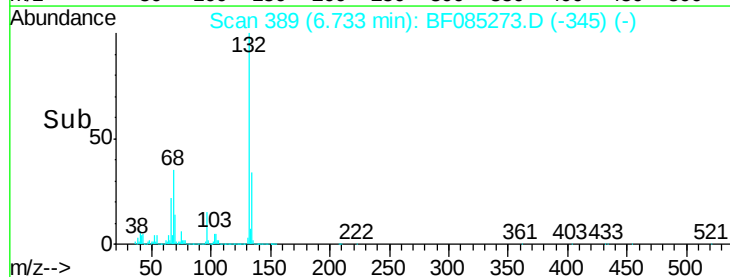
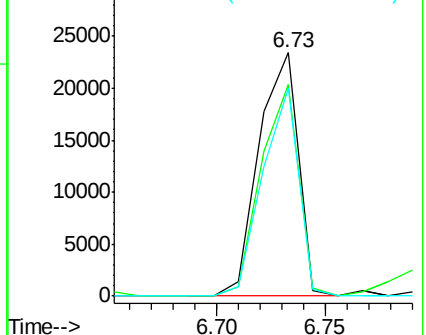
106 85.3 72.9 112.9

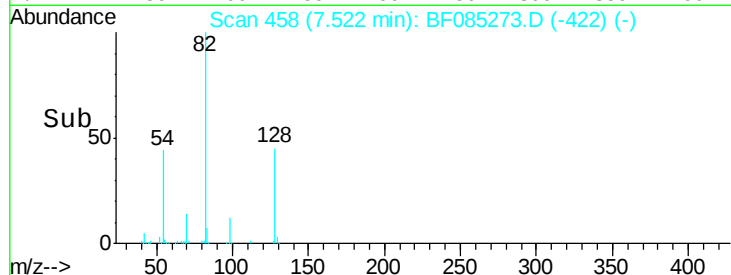
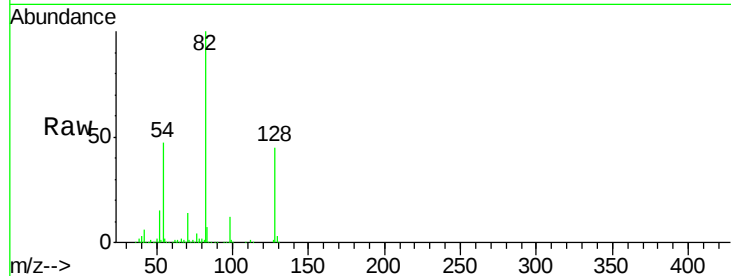
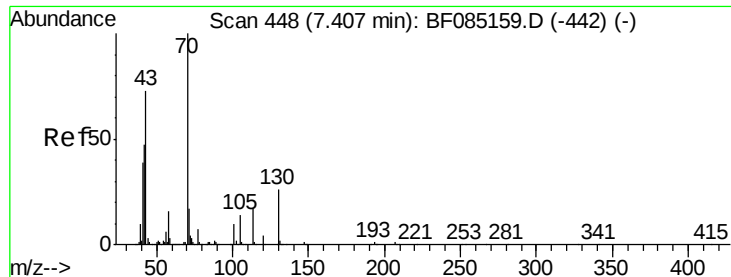


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

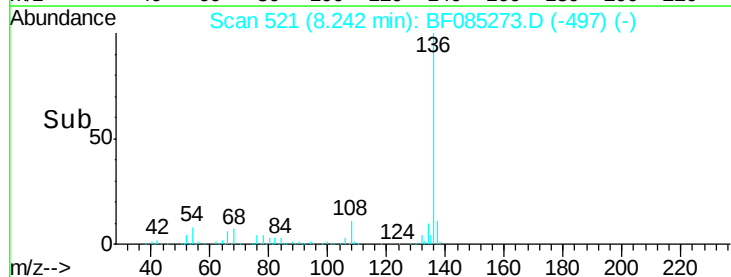
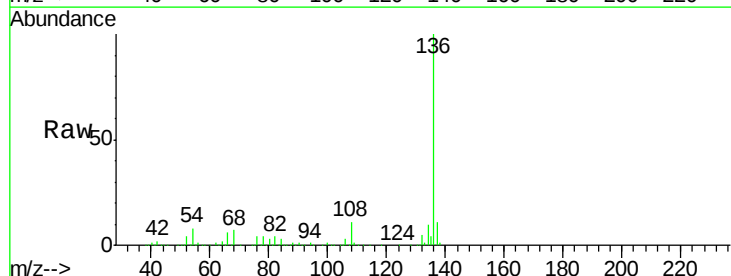
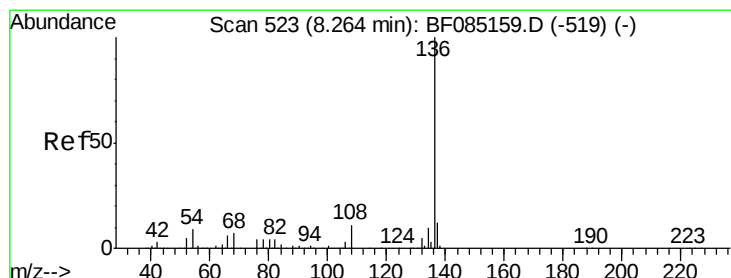
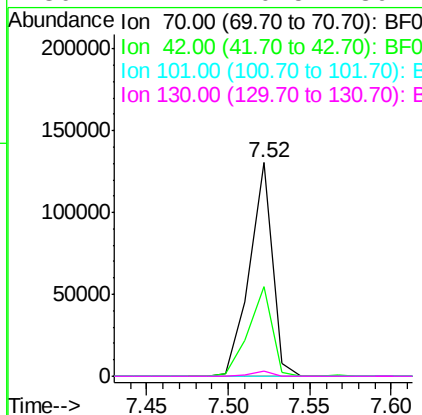




#19
n-Nitroso-di-n-propylamine
Concen: 16.02 ng
RT: 7.52 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

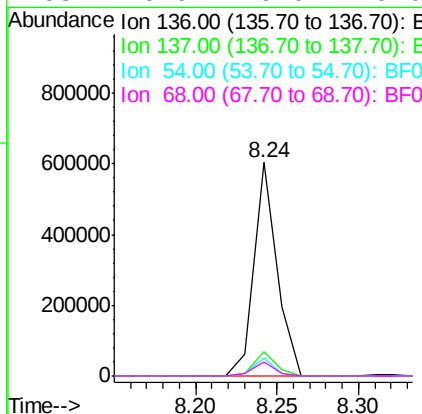
Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

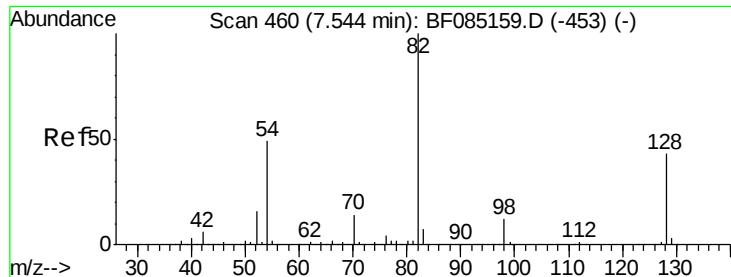
Tgt Ion: 70 Resp: 127246
Ion Ratio Lower Upper
70 100
42 42.2 37.7 56.5
101 0.0 8.2 12.4#
130 2.1 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion: 136 Resp: 593858
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 8.3 7.4 11.2
68 6.9 6.0 9.0

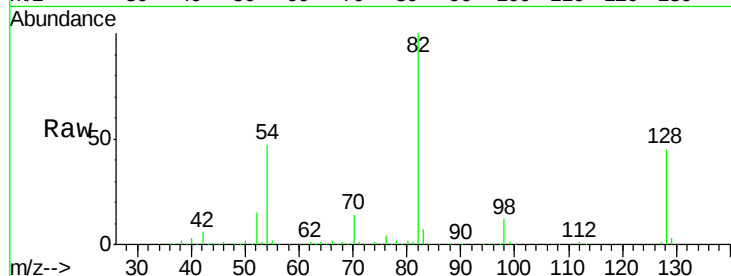




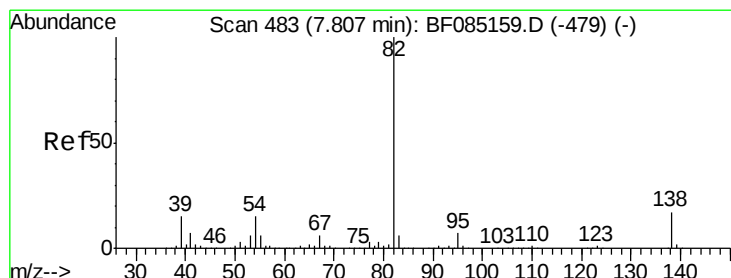
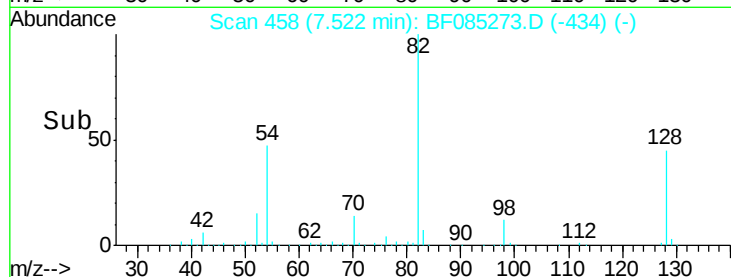
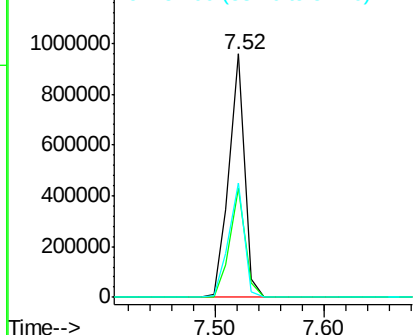
#23
 Nitrobenzene-d5
 Concen: 85.65 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Instrument :
 BNA_F
 ClientSampleId :
 48-BRIDGE-GRID-1

Tgt Ion: 82 Resp: 950548
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.5 51.7
 54 46.8 39.3 58.9

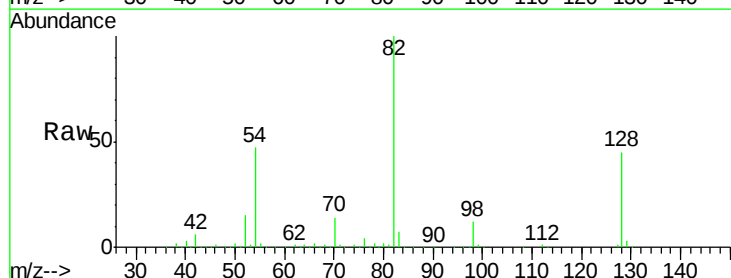


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

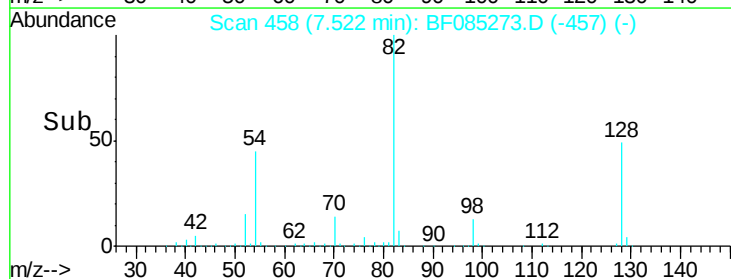
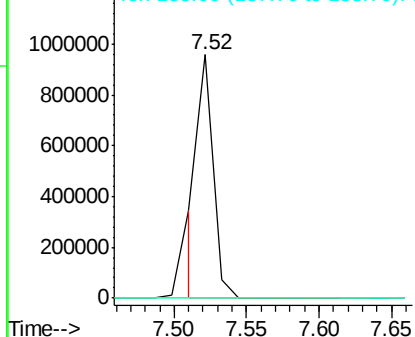


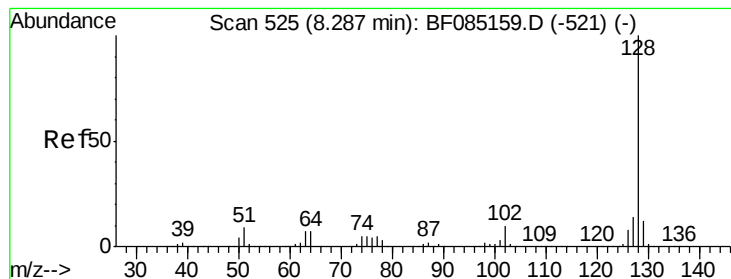
#25
 Isophorone
 Concen: 34.34 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.29 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Tgt Ion: 82 Resp: 706299
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 13.3 19.9#



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): BF0





#31

Naphthalene

Concen: 36.93 ng

RT: 8.26 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

Instrument :

BNA_F

ClientSampleId :

48-BRIDGE-GRID-1

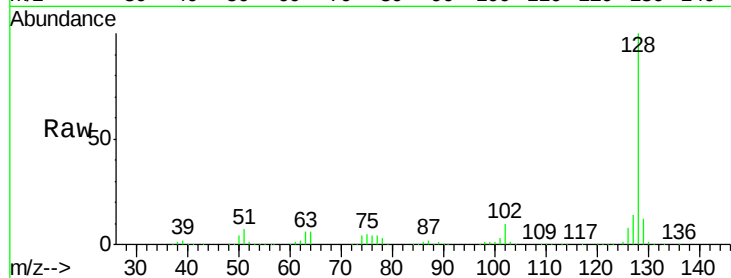
Tgt Ion:128 Resp: 1078358

Ion Ratio Lower Upper

128 100

129 11.6 9.7 14.5

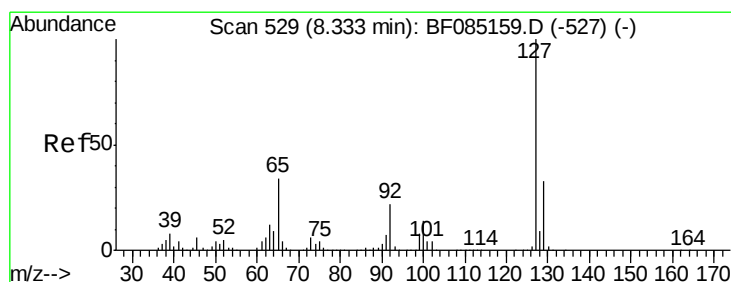
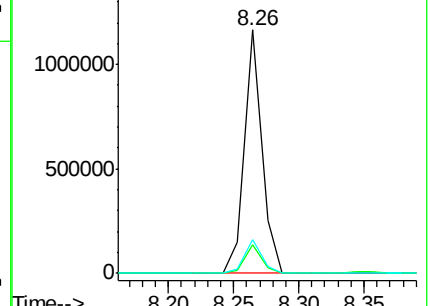
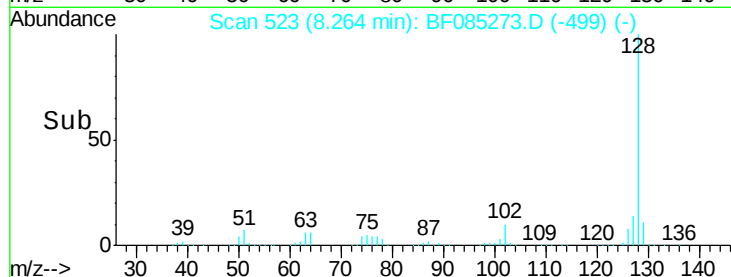
127 13.7 11.2 16.8



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: 12.22 ng

RT: 8.26 min Scan# 523

Delta R.T. -0.07 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

Tgt Ion:127 Resp: 144343

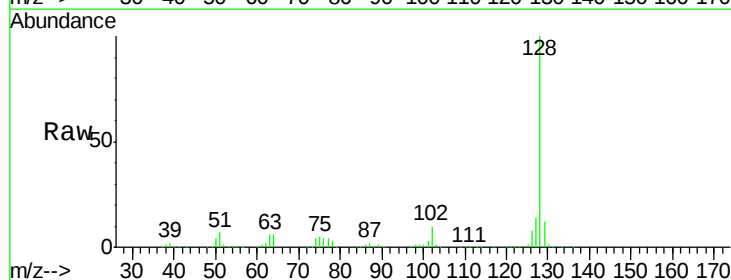
Ion Ratio Lower Upper

127 100

129 84.7 26.1 39.1#

65 0.0 27.0 40.6#

92 0.0 17.4 26.0#

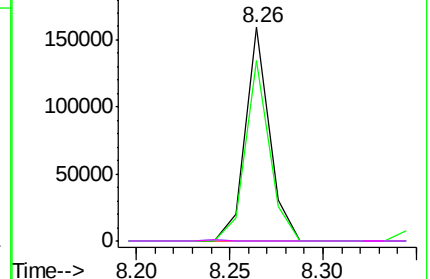
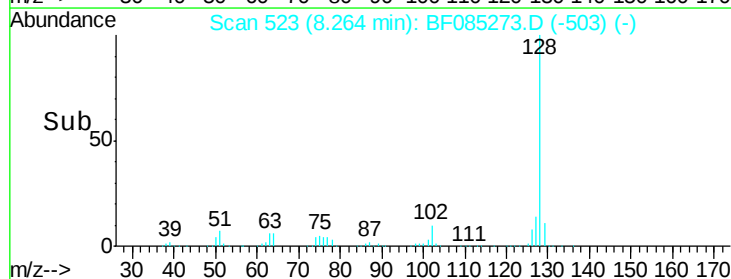


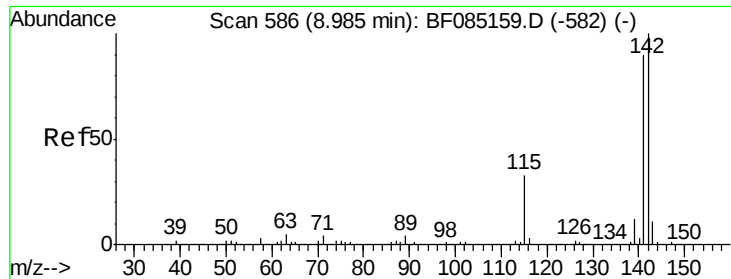
Abundance Ion 127.00 (126.70 to 127.70): E

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

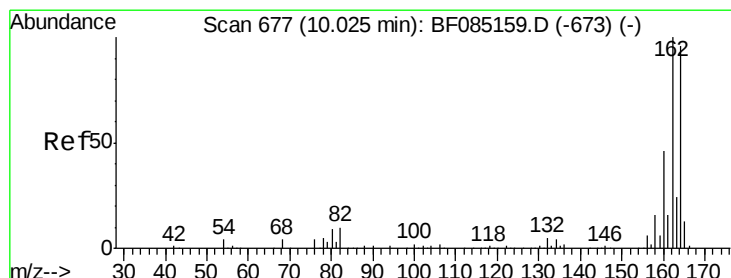
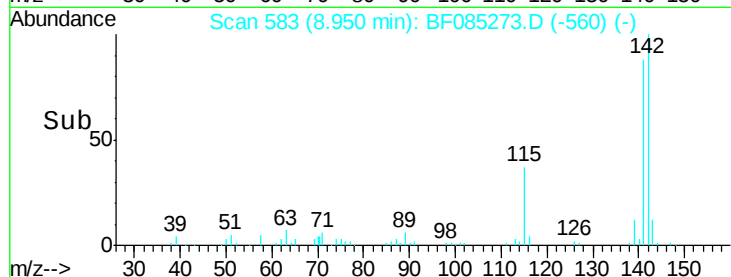
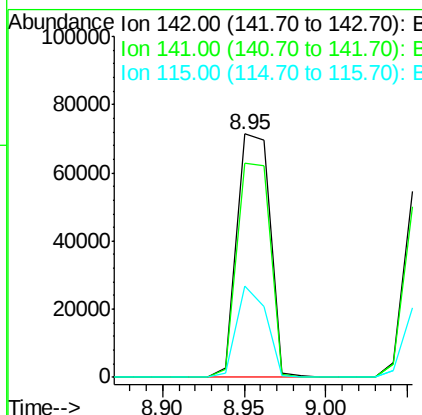
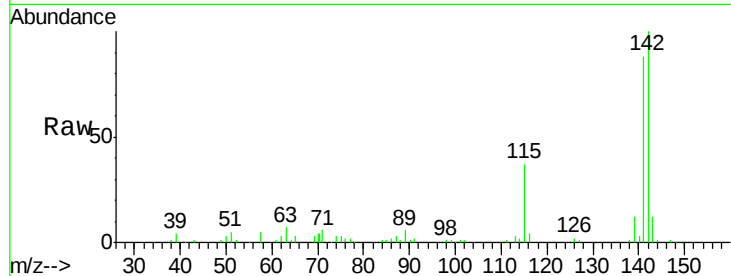




#37
 2-Methylnaphthalene
 Concen: 5.32 ng
 RT: 8.95 min Scan# 583
 Delta R.T. -0.03 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

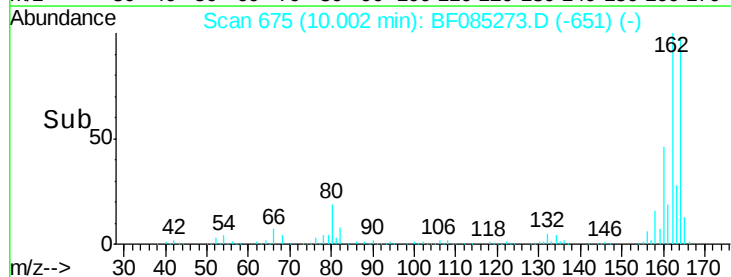
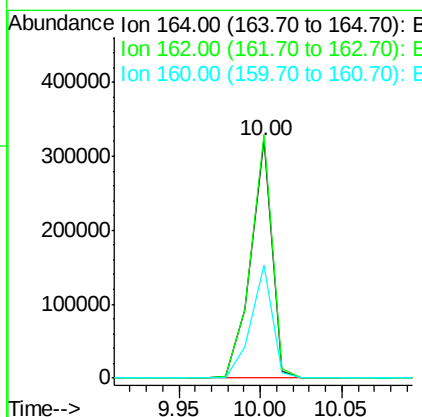
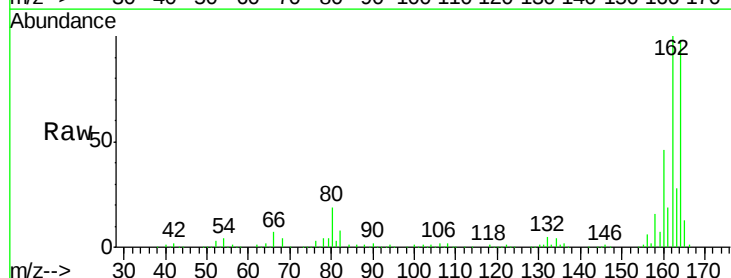
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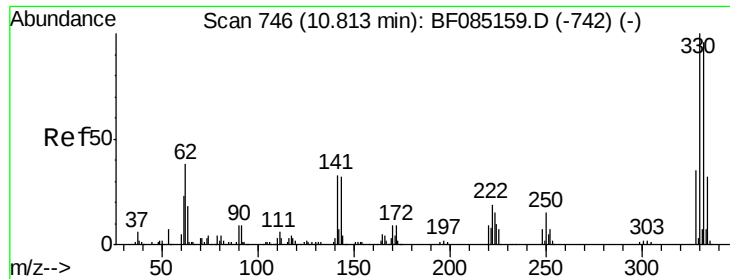
Tgt Ion:142 Resp: 99715
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.7 107.5
 115 37.3 26.2 39.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Tgt Ion:164 Resp: 291720
 Ion Ratio Lower Upper
 164 100
 162 102.3 83.3 124.9
 160 47.2 37.9 56.9

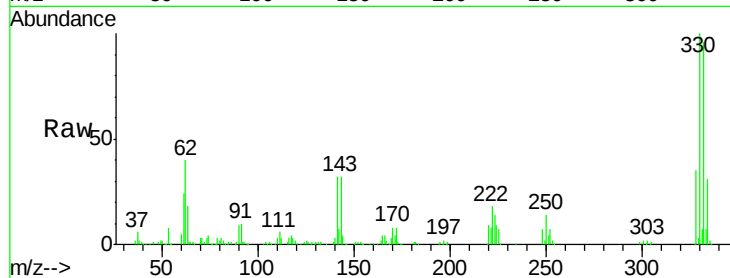




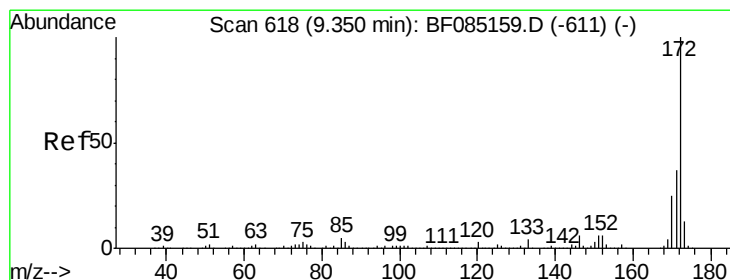
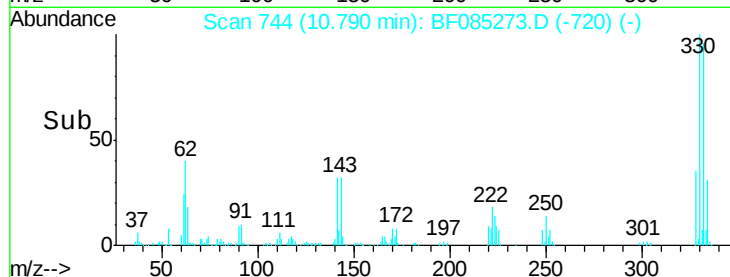
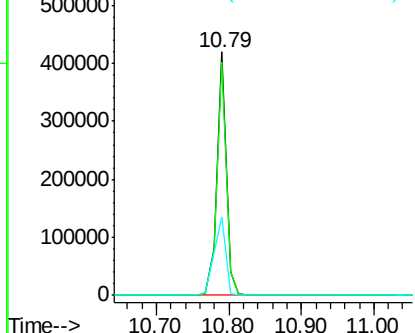
#41
 2,4,6-Tribromophenol
 Concen: 151.87 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Instrument :
 BNA_F
 ClientSampleId :
 48-BRIDGE-GRID-1

Tgt Ion:330 Resp: 379084
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 40.0 35.0 52.6

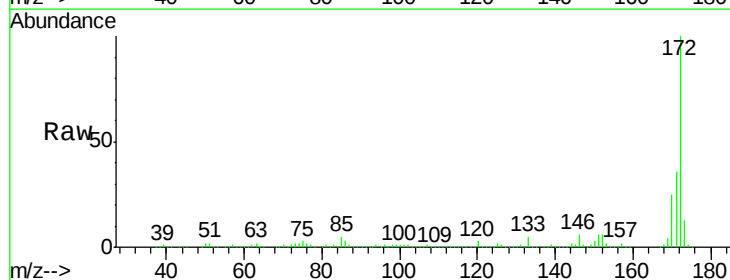


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

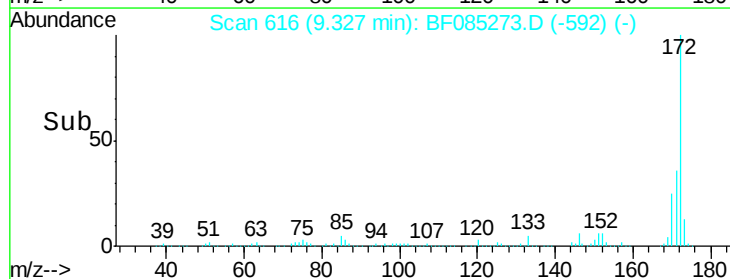
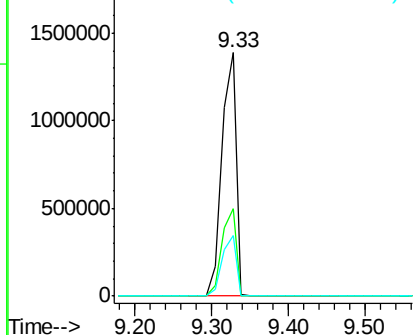


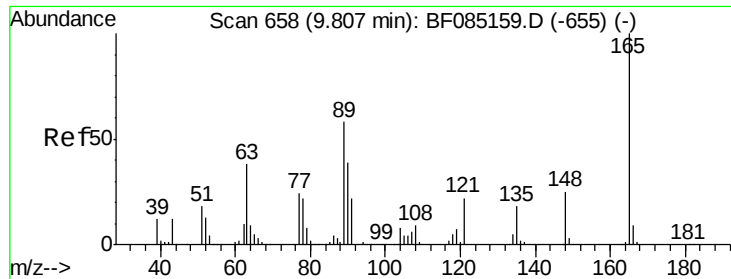
#44
 2-Fluorobiphenyl
 Concen: 95.11 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Tgt Ion:172 Resp: 1824363
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.7 20.0 30.0



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

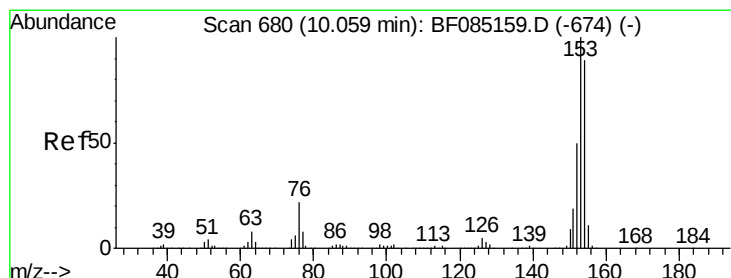
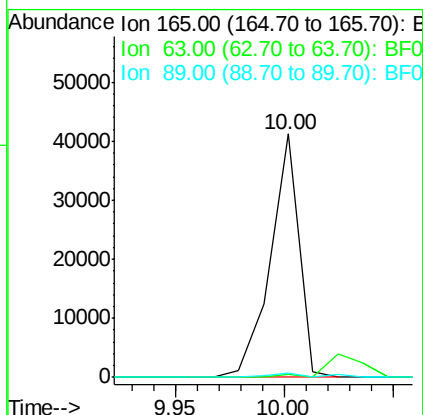
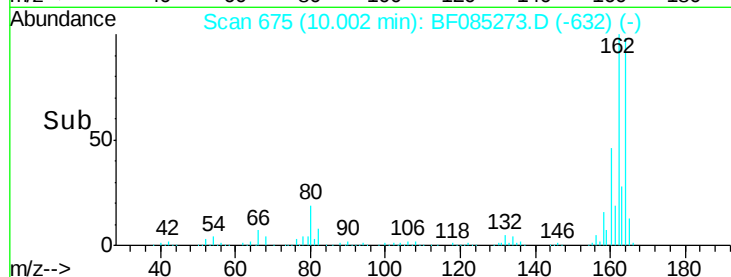
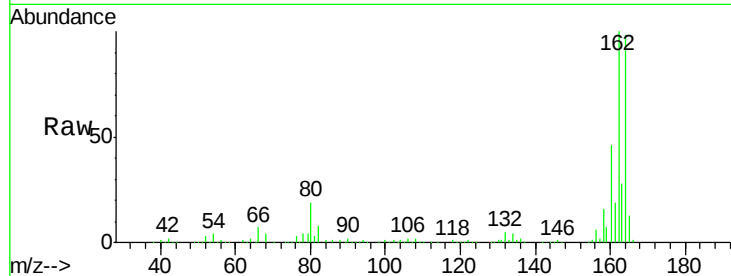




#50
2,6-Dinitrotoluene
Concen: 7.98 ng
RT: 10.00 min Scan# 675
Delta R.T. 0.19 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

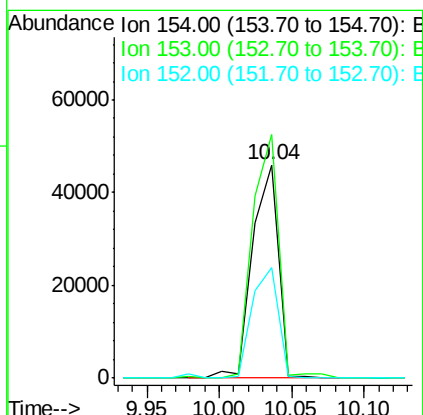
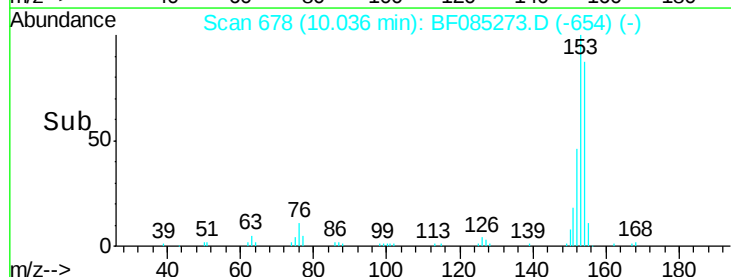
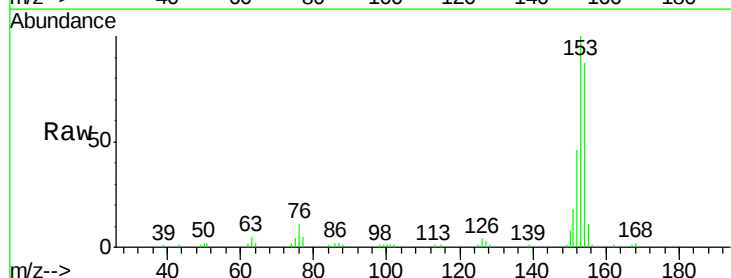
Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

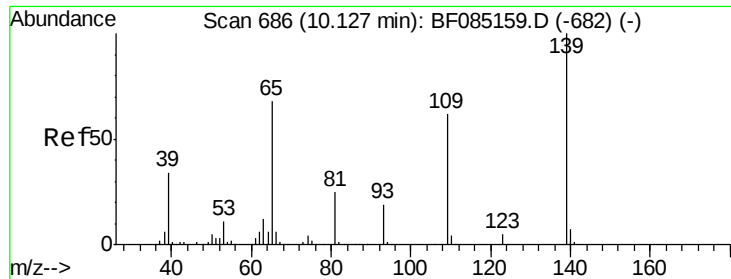
Tgt Ion:165 Resp: 38232
Ion Ratio Lower Upper
165 100
63 1.3 41.8 62.8#
89 2.0 46.7 70.1#



#51
Acenaphthene
Concen: 3.15 ng
RT: 10.04 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:154 Resp: 56468
Ion Ratio Lower Upper
154 100
153 114.3 89.8 134.8
152 52.1 44.6 66.8

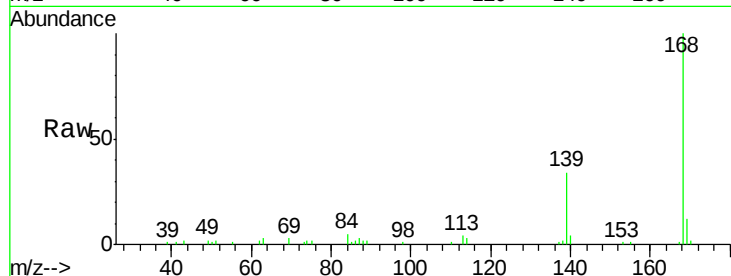




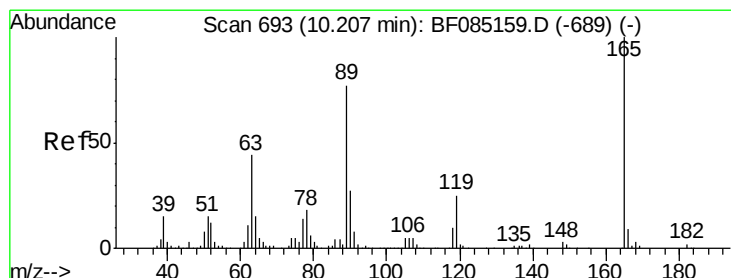
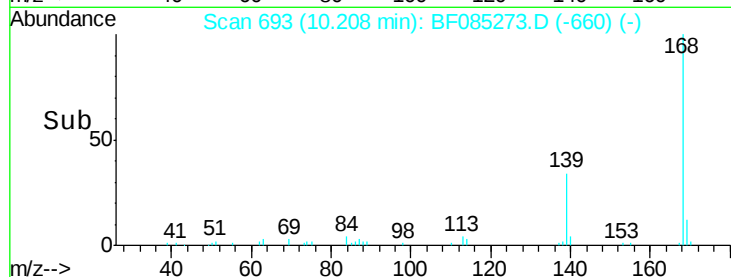
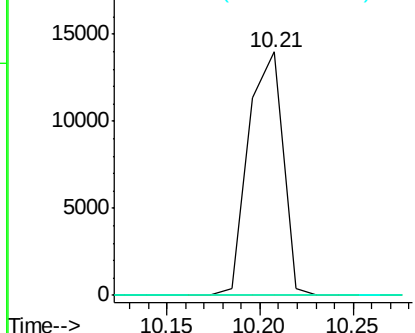
#55
4-Nitrophenol
Concen: 3.98 ng
RT: 10.21 min Scan# 693
Delta R.T. 0.08 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Tgt Ion:139 Resp: 17942
Ion Ratio Lower Upper
139 100
109 0.0 41.9 81.9#
65 0.0 48.3 88.3#

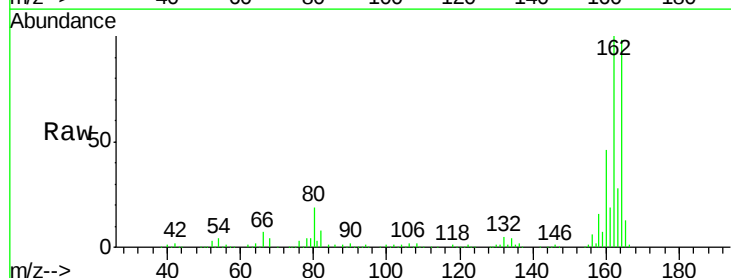


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

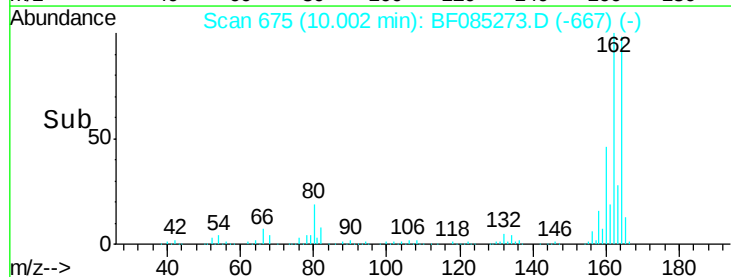
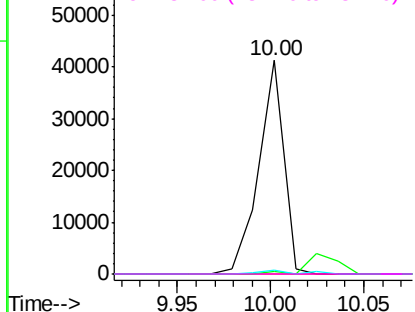


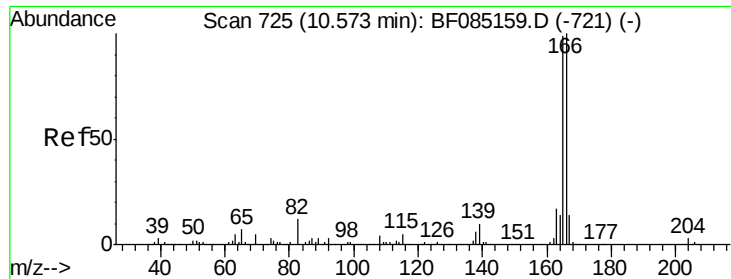
#56
2,4-Dinitrotoluene
Concen: 6.24 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:165 Resp: 38226
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.0#
89 2.0 61.9 92.9#
182 0.0 1.9 2.9#



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

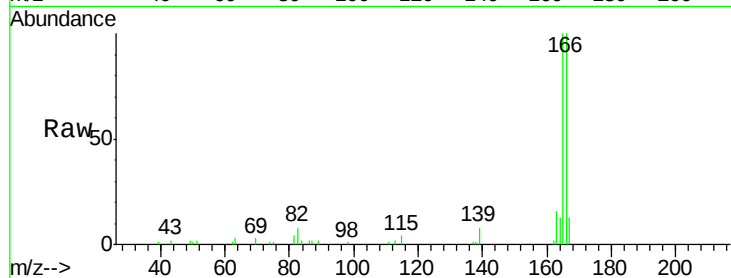




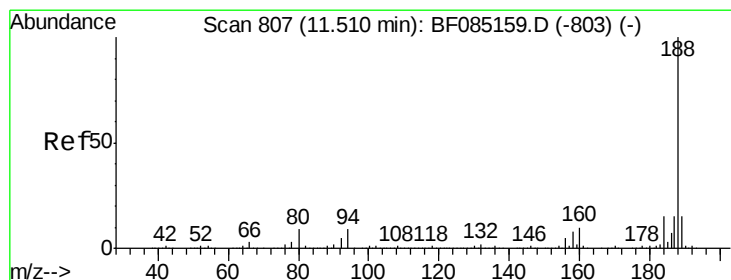
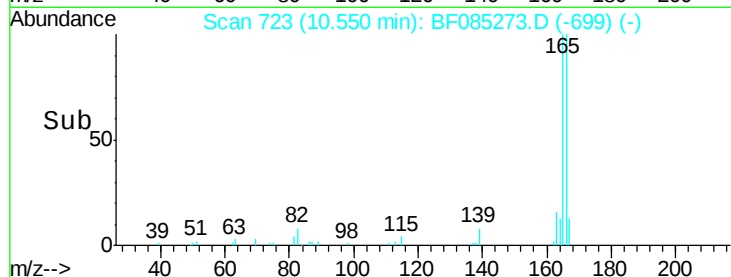
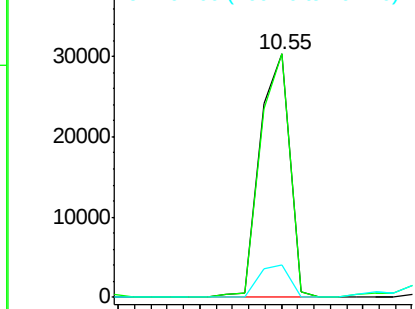
#57
Fluorene
 Concen: 2.08 ng
 RT: 10.55 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Instrument :
 BNA_F
 ClientSampleId :
 48-BRIDGE-GRID-1

Tgt Ion:166 Resp: 38370
 Ion Ratio Lower Upper
 166 100
 165 99.8 79.4 119.0
 167 13.4 11.0 16.6

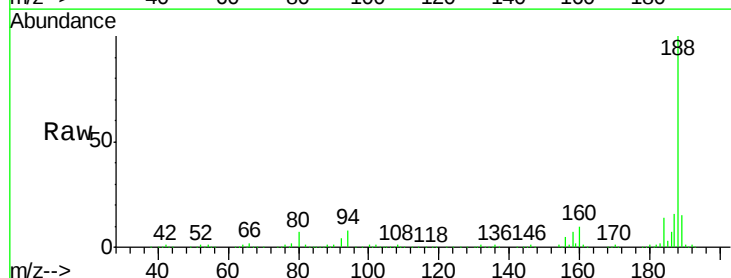


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

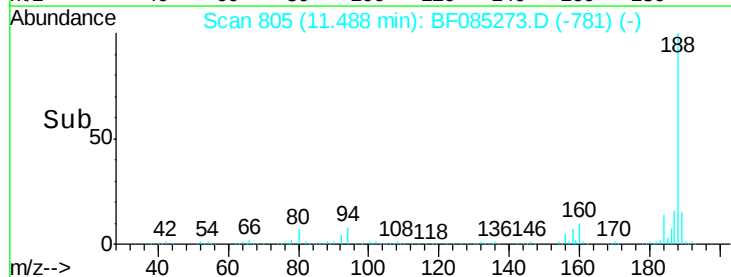
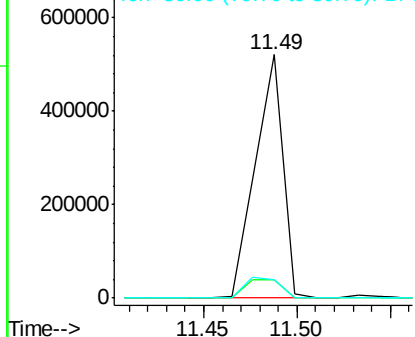


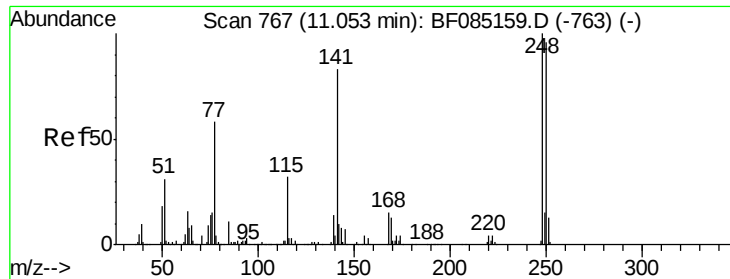
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085273.D
 Acq: 8 Mar 2016 23:31

Tgt Ion:188 Resp: 541773
 Ion Ratio Lower Upper
 188 100
 94 7.6 7.0 10.6
 80 7.3 7.4 11.0#



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

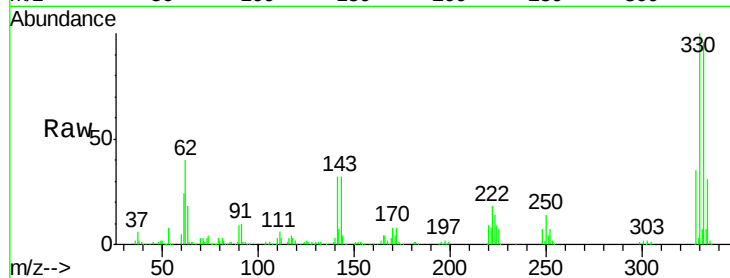




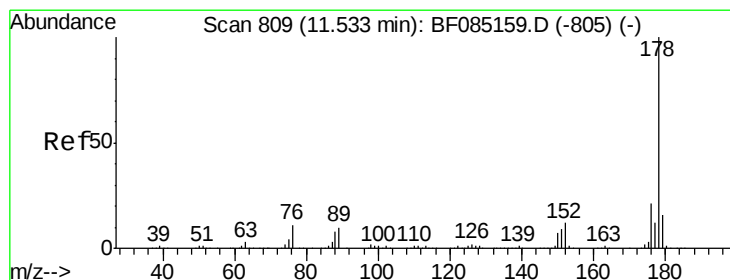
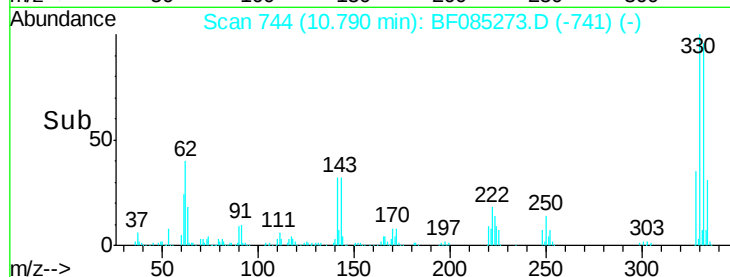
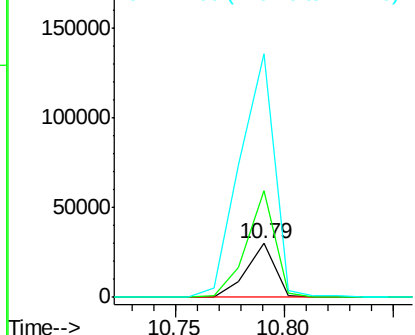
#66
4-Bromophenyl-phenylether
Concen: 5.22 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Tgt Ion: 248 Resp: 27462
Ion Ratio Lower Upper
248 100
250 200.0 77.1 115.7#
141 453.9 66.2 99.2#

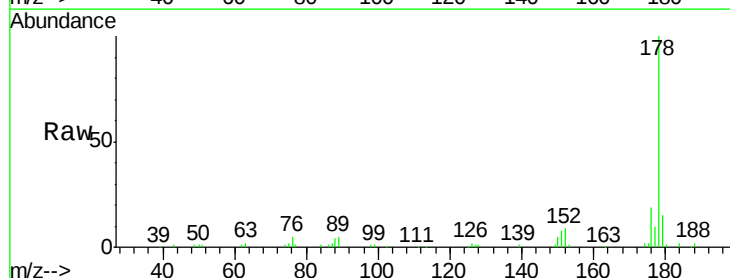


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

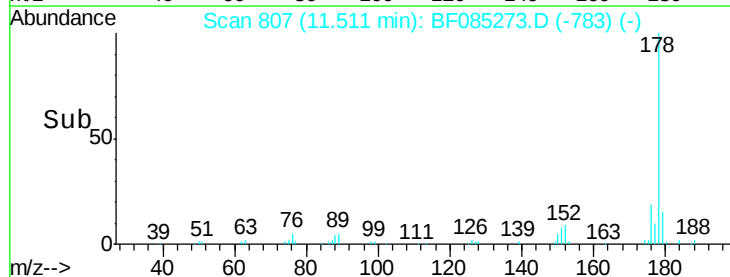
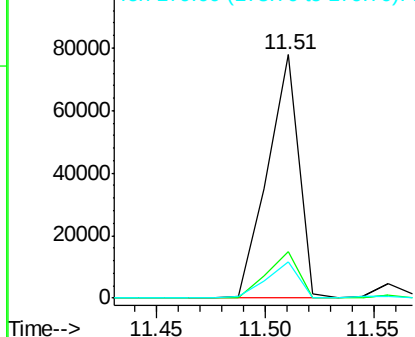


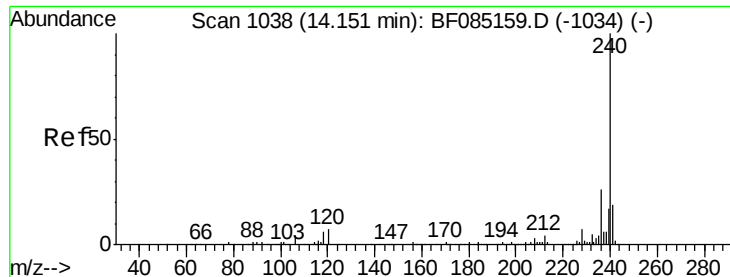
#70
Phenanthrene
Concen: 2.78 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion: 178 Resp: 78812
Ion Ratio Lower Upper
178 100
176 19.3 16.8 25.2
179 14.8 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

Instrument :

BNA_F

ClientSampleId :

48-BRIDGE-GRID-1

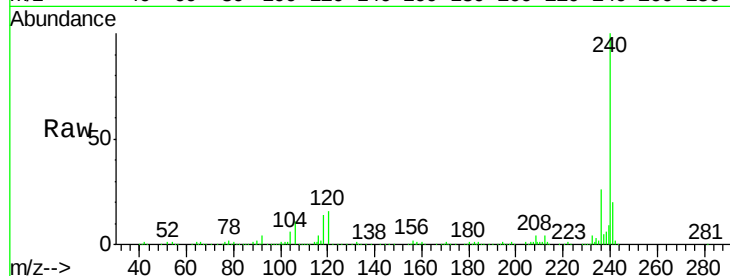
Tgt Ion:240 Resp: 390037

Ion Ratio Lower Upper

240 100

120 15.5 5.3 7.9#

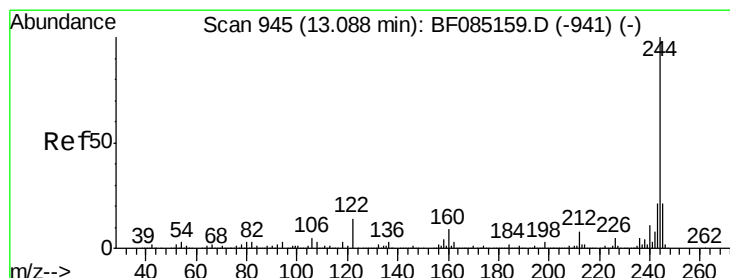
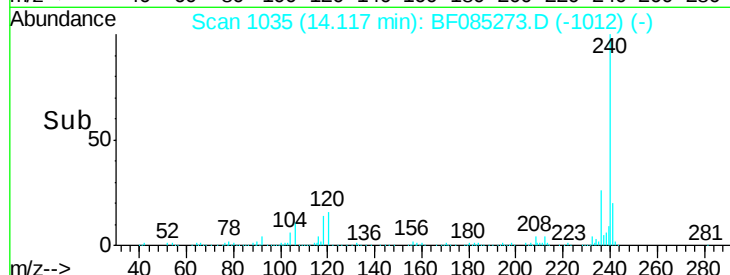
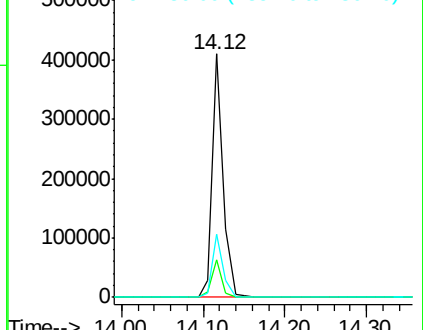
236 26.0 20.7 31.1



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: 109.46 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085273.D

Acq: 8 Mar 2016 23:31

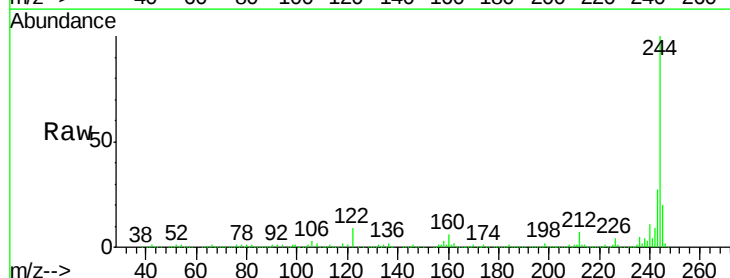
Tgt Ion:244 Resp: 1839125

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

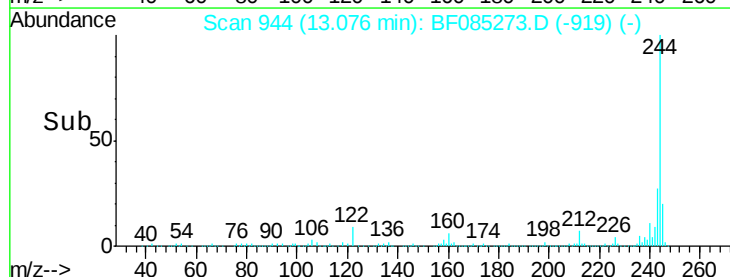
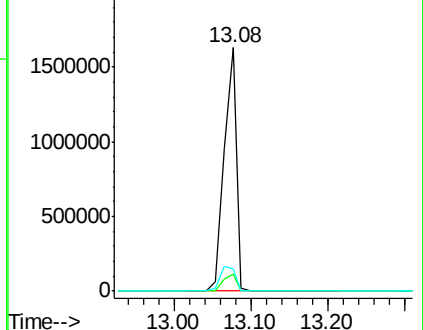
122 9.2 11.4 17.2#

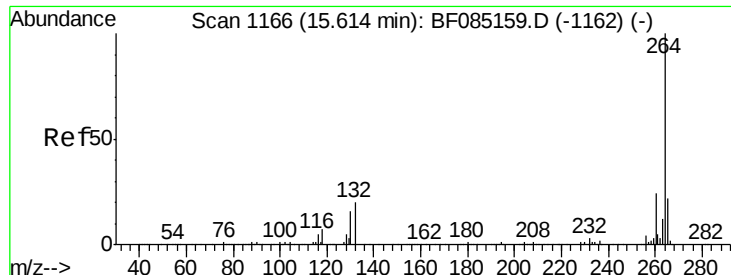


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Tgt Ion: 264 Resp: 269688
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 17.3 25.9

