

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084973.D
 Acq On : 10 Feb 2016 1:03
 Operator : SJ/IZ
 Sample : H1377-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB05-1-2

Quant Time: Feb 10 03:29:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

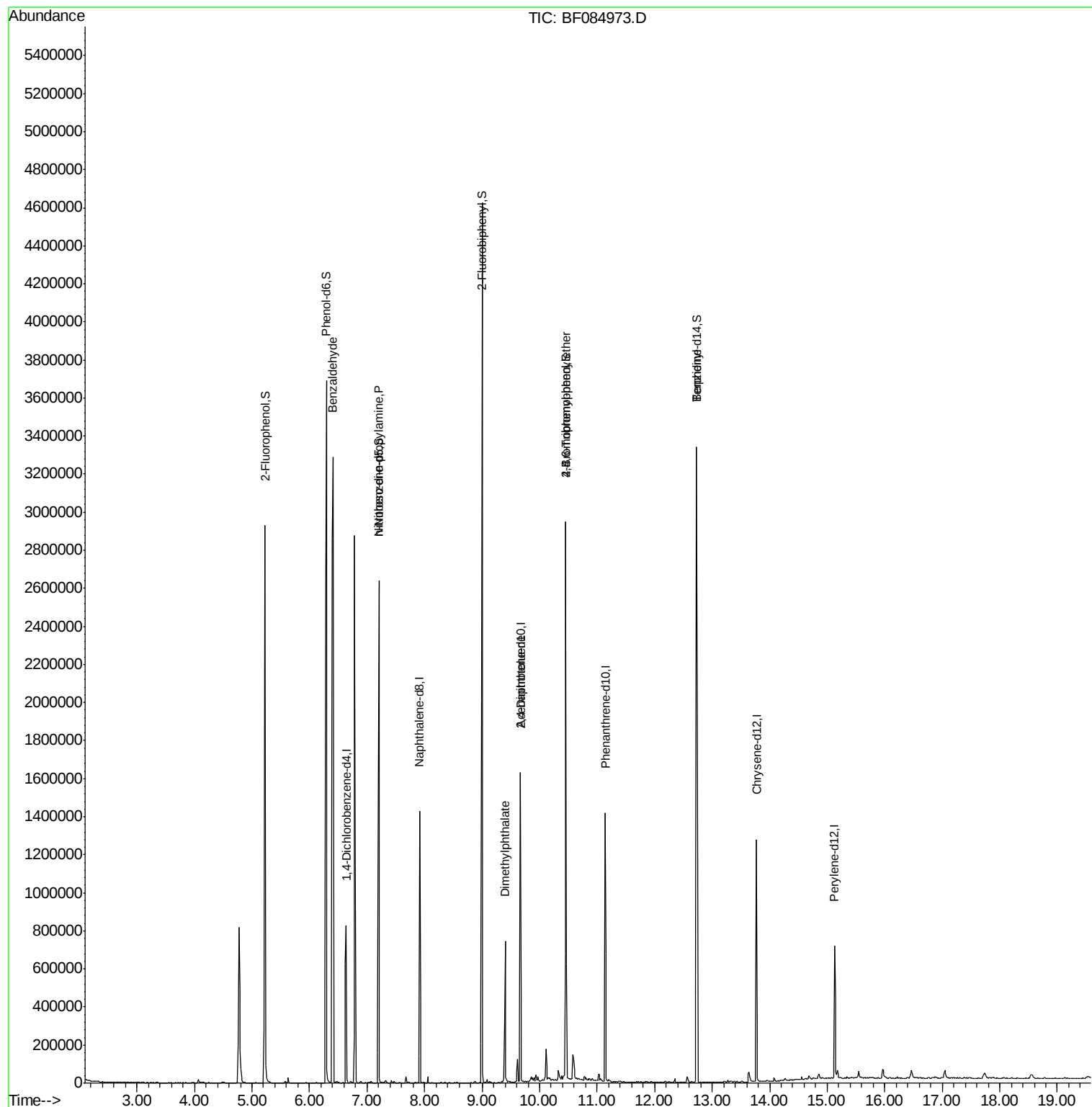
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	167142	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	682815	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	327183	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	584514	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	416671	20.00	ng	-0.07
86) Perylene-d12	15.13	264	324937	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1238131	115.38	ng	-0.05
7) Phenol-d6	6.29	99	1662360	124.96	ng	-0.05
23) Nitrobenzene-d5	7.21	82	1021025	84.24	ng	-0.06
41) 2,4,6-Tribromophenol	10.45	330	350740	102.77	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1558398	78.03	ng	-0.06
78) Terphenyl-d14	12.73	244	1326107	72.12	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.41	77	29659	3.78	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.21	70	141324	16.95	ng	# 75
49) Dimethylphthalate	9.40	163	344892	13.84	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	43330	6.24	ng	# 21
66) 4-Bromophenyl-phenylether	10.45	248	21235	3.29	ng	# 1
76) Benzidine	12.73	184	18577	7.73	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

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BNA_F

ClientSampleId :

SB05-1-2

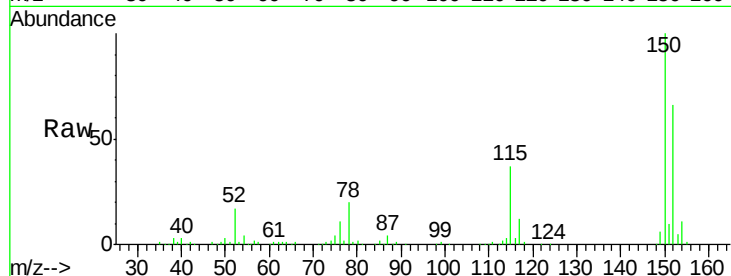
Tgt Ion:152 Resp: 167142

Ion Ratio Lower Upper

152 100

150 152.2 123.0 184.4

115 55.7 51.4 77.2



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

300000

250000

200000

150000

100000

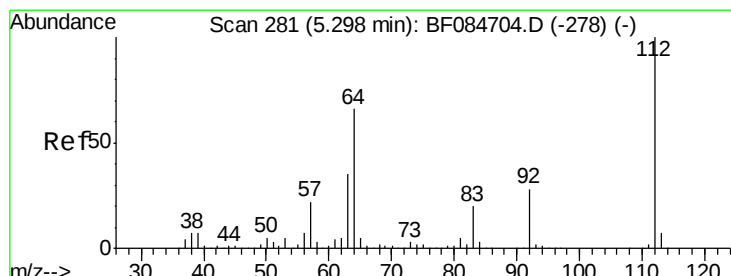
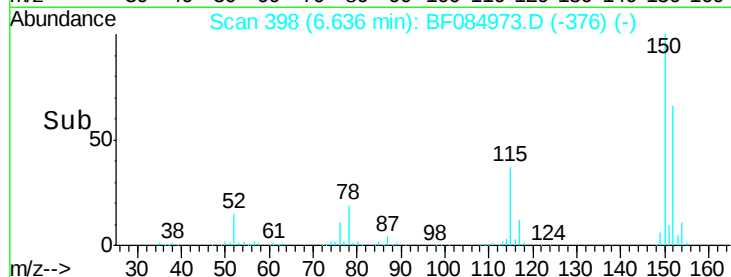
50000

0

6.64

6.60 6.65 6.70

Time-->



#5

2-Fluorophenol

Concen: 115.38 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

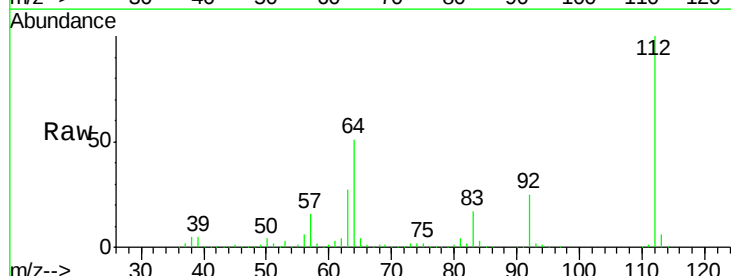
Tgt Ion:112 Resp: 1238131

Ion Ratio Lower Upper

112 100

64 51.0 36.6 55.0

63 26.6 19.4 29.0



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

1200000

1000000

800000

600000

400000

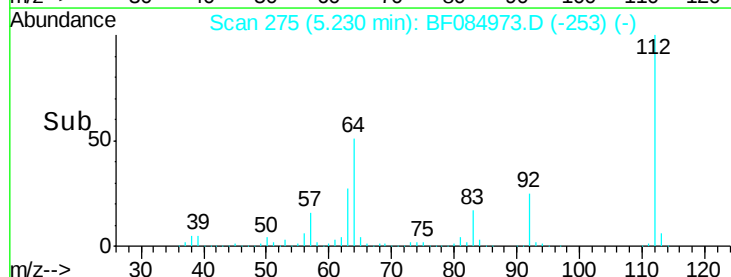
200000

0

5.23

5.10 5.20 5.30 5.40

Time-->





#7

Phenol-d6

Concen: 124.96 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

Instrument :

BNA_F

ClientSampleId :

SB05-1-2

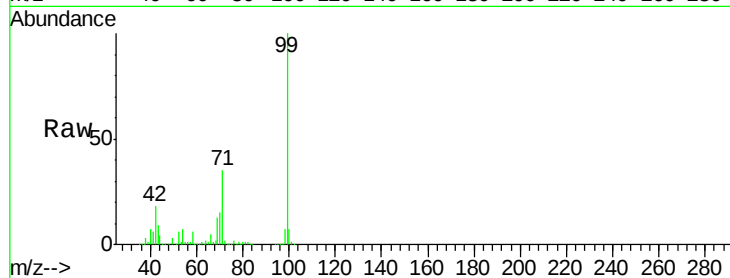
Tgt Ion: 99 Resp: 1662360

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

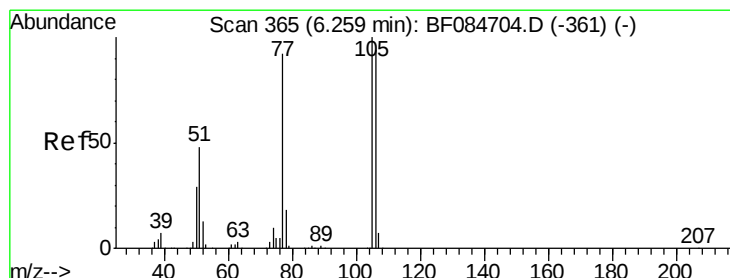
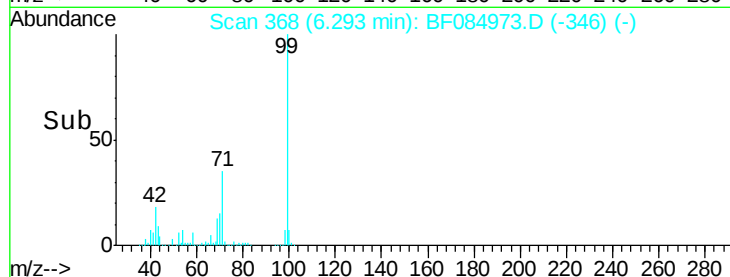
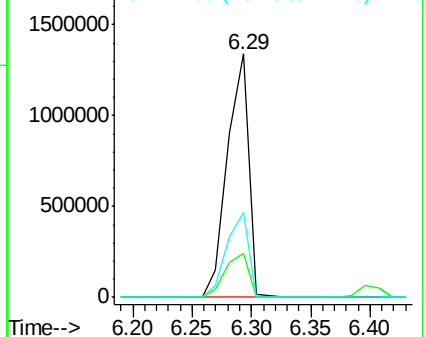
71 34.6 30.9 46.3



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: 3.78 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.17 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

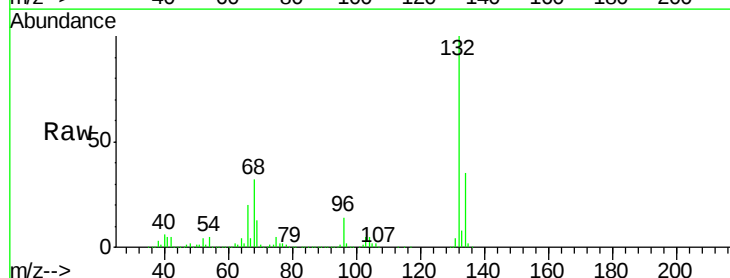
Tgt Ion: 77 Resp: 29659

Ion Ratio Lower Upper

77 100

105 88.0 83.0 123.0

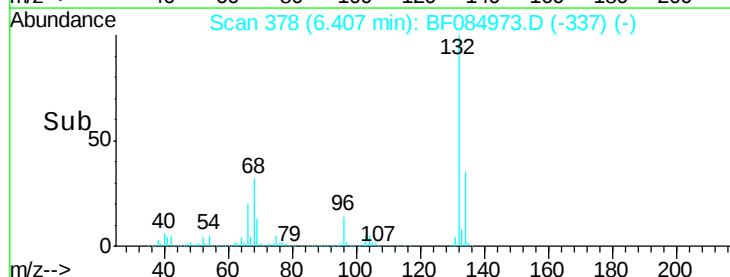
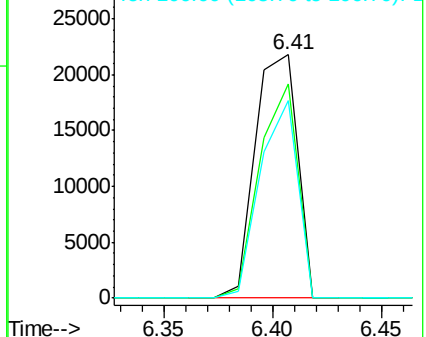
106 81.0 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

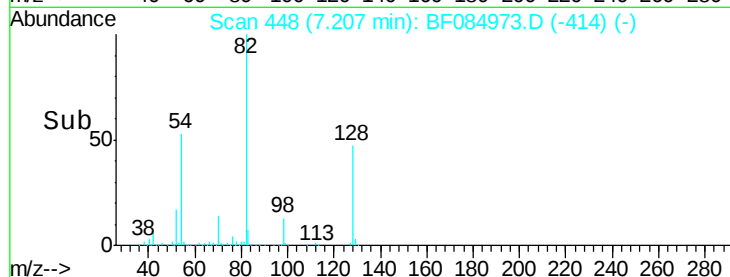
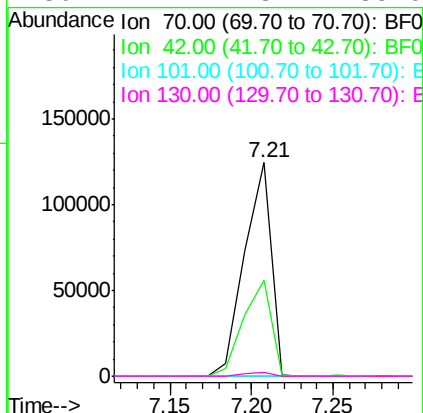
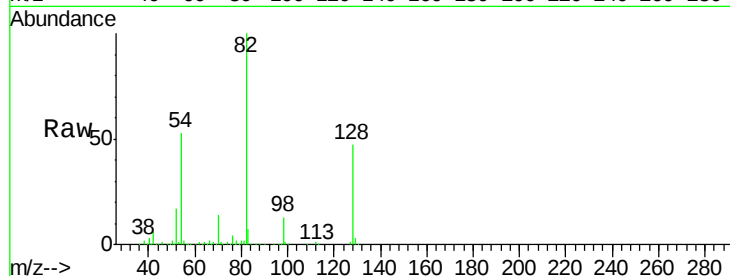




#19
n-Nitroso-di-n-propylamine
Concen: 16.95 ng
RT: 7.21 min Scan# 448
Delta R.T. 0.09 min
Lab File: BF084973.D
Acq: 10 Feb 2016 1:03

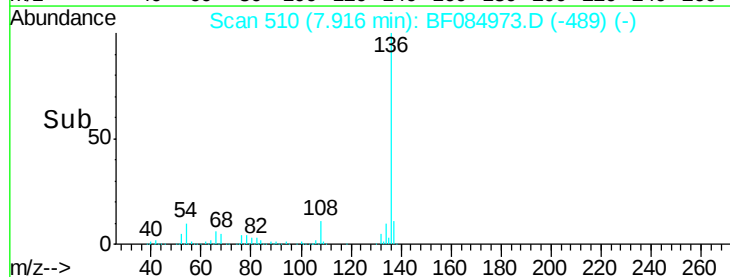
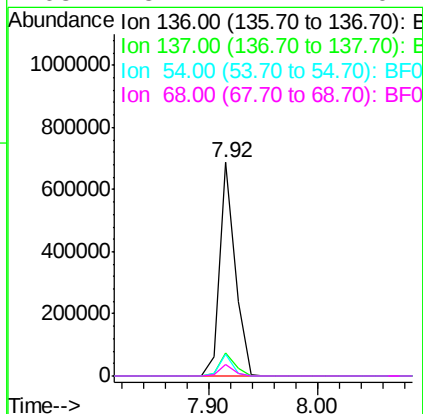
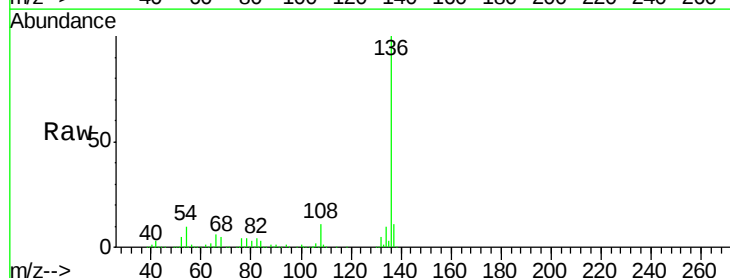
Instrument :
BNA_F
ClientSampleId :
SB05-1-2

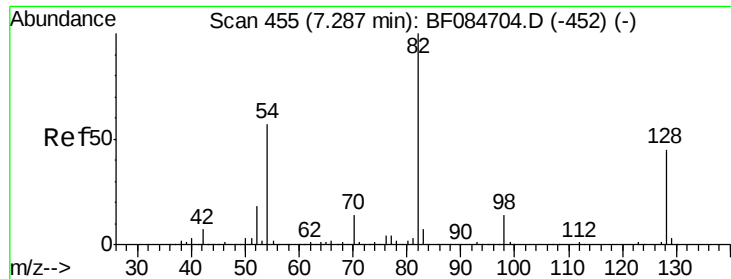
Tgt Ion: 70 Resp: 141324
Ion Ratio Lower Upper
70 100
42 44.8 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.06 min
Lab File: BF084973.D
Acq: 10 Feb 2016 1:03

Tgt Ion: 136 Resp: 682815
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.1 5.8 8.8#
68 5.1 4.2 6.2

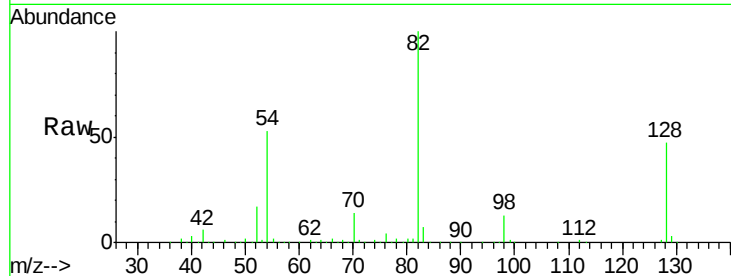




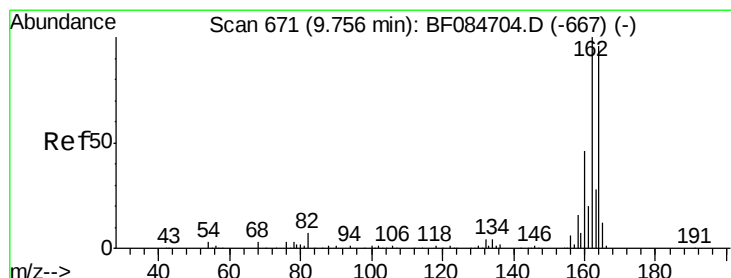
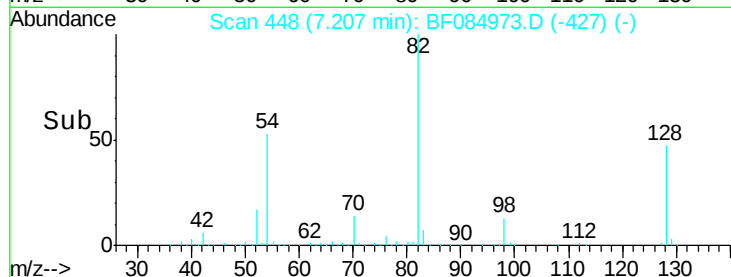
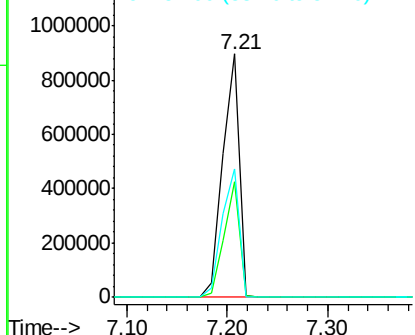
#23
 Nitrobenzene-d5
 Concen: 84.24 ng
 RT: 7.21 min Scan# 448
 Delta R.T. -0.06 min
 Lab File: BF084973.D
 Acq: 10 Feb 2016 1:03

Instrument :
 BNA_F
 ClientSampleId :
 SB05-1-2

Tgt Ion: 82 Resp: 1021025
 Ion Ratio Lower Upper
 82 100
 128 47.3 34.6 51.8
 54 52.8 38.4 57.6

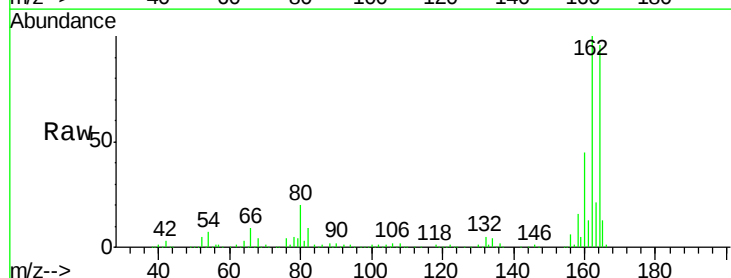


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

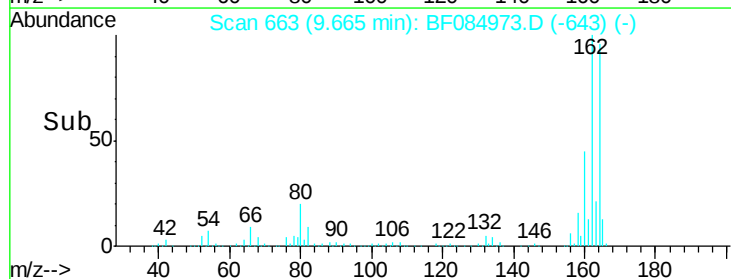
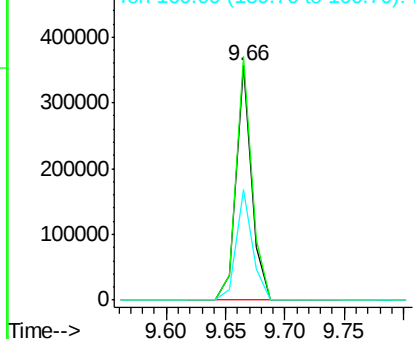


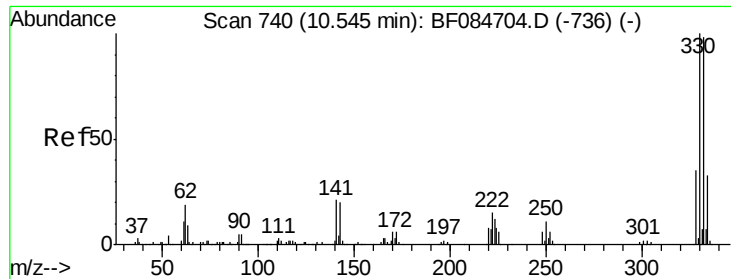
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.07 min
 Lab File: BF084973.D
 Acq: 10 Feb 2016 1:03

Tgt Ion: 164 Resp: 327183
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.1 127.7
 160 47.2 37.5 56.3



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

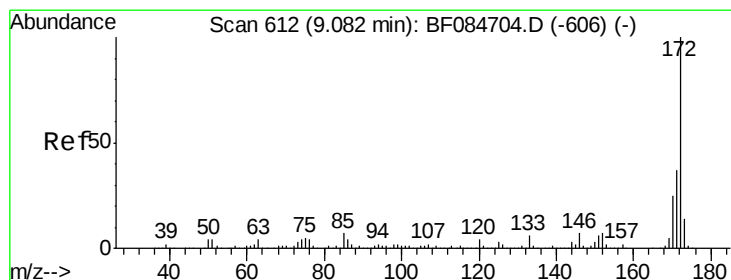
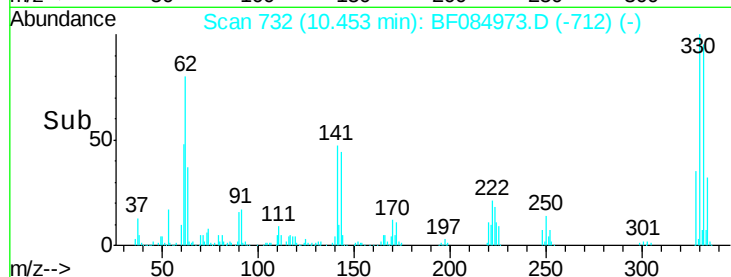
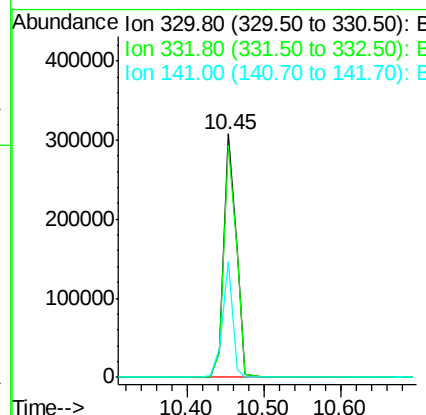
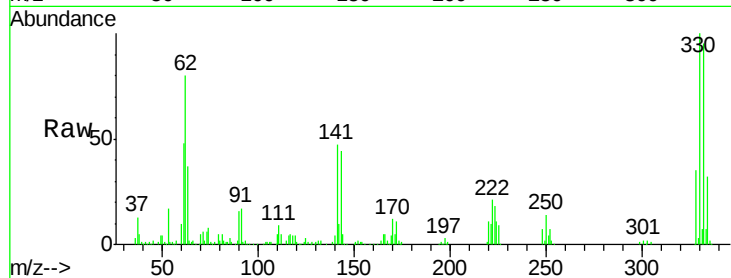




#41
 2,4,6-Tribromophenol
 Concen: 102.77 ng
 RT: 10.45 min Scan# 732
 Delta R.T. -0.07 min
 Lab File: BF084973.D
 Acq: 10 Feb 2016 1:03

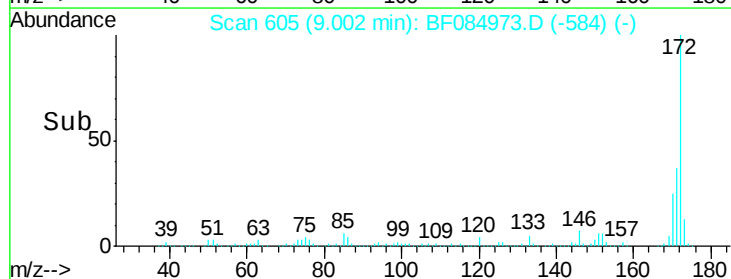
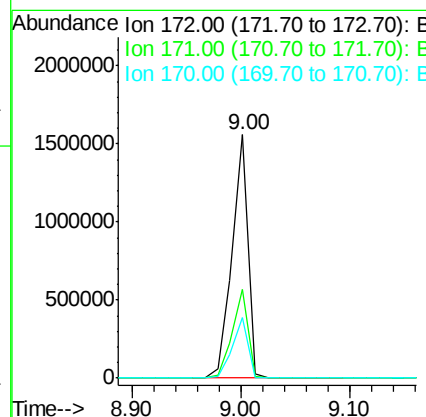
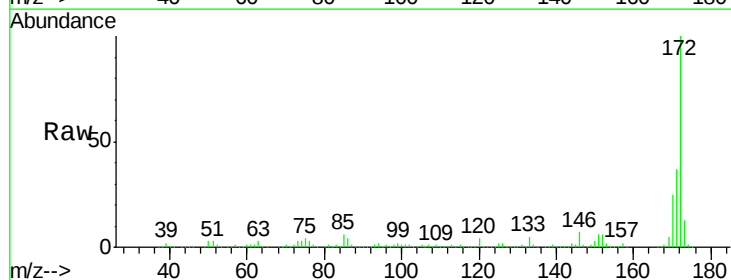
Instrument :
 BNA_F
 ClientSampleId :
 SB05-1-2

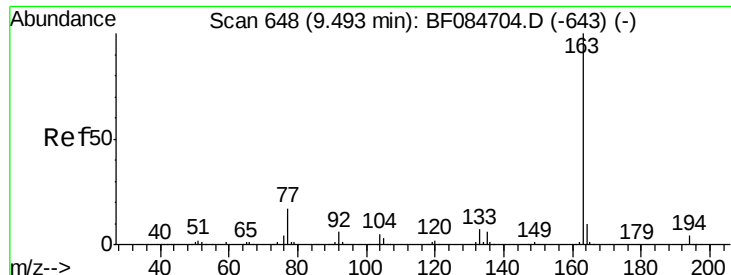
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	38.2	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 78.03 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084973.D
 Acq: 10 Feb 2016 1:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	25.1	18.6	27.8





#49

Dimethylphthalate

Concen: 13.84 ng

RT: 9.40 min Scan# 640

Delta R.T. -0.07 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

Instrument :

BNA_F

ClientSampleId :

SB05-1-2

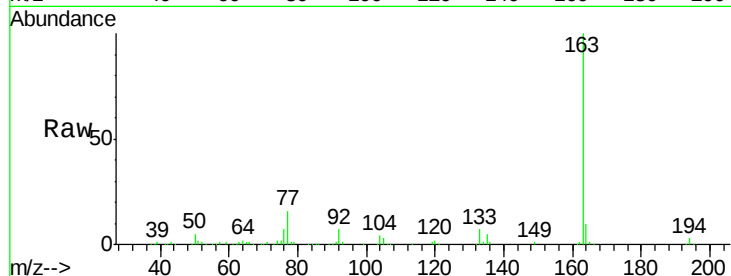
Tgt Ion:163 Resp: 344892

Ion Ratio Lower Upper

163 100

194 3.5 8.0 12.0#

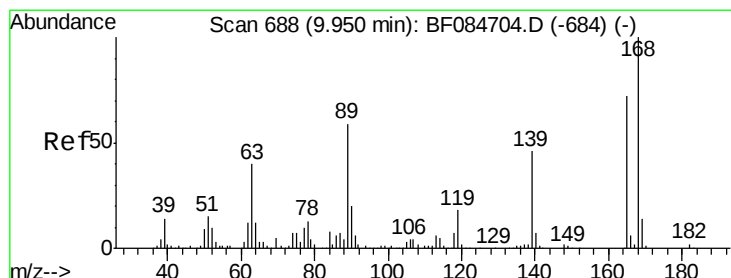
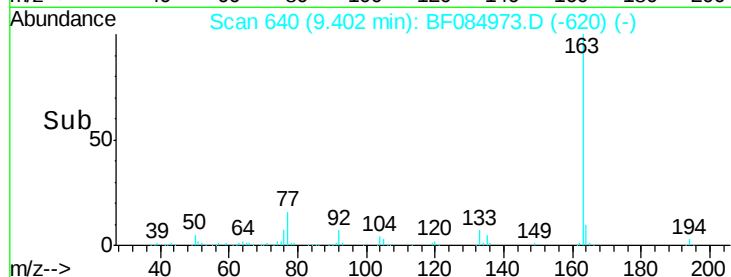
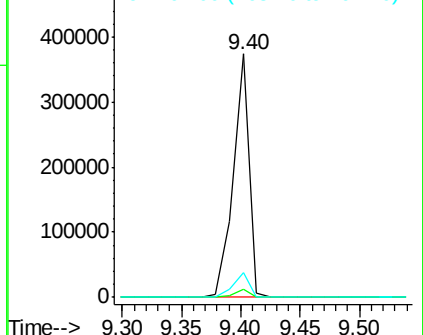
164 9.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.24 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

Tgt Ion:165 Resp: 43330

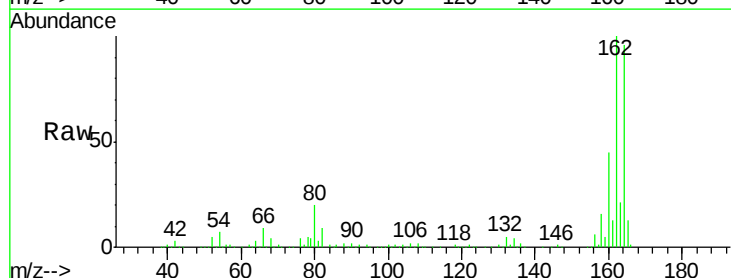
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

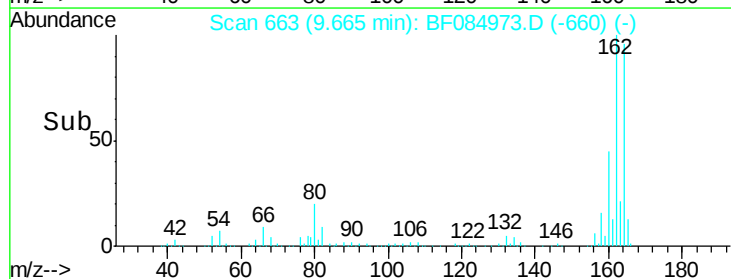
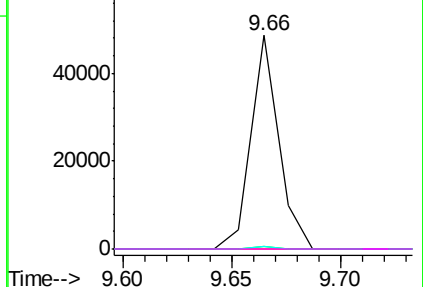


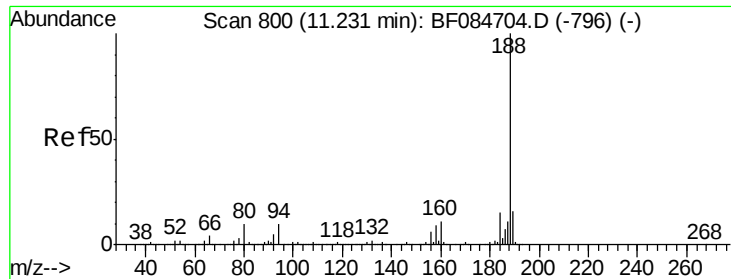
Abundance Ion 165.00 (164.70 to 165.70): E

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

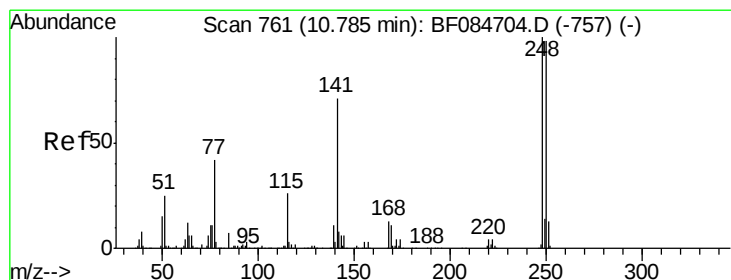
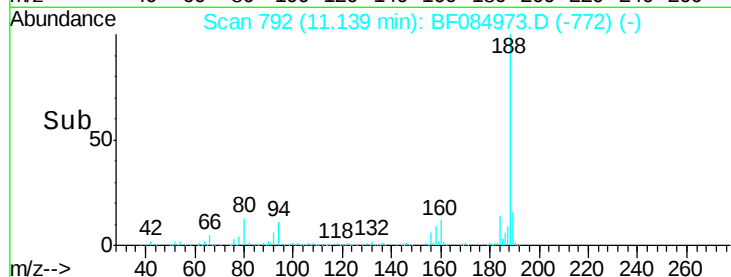
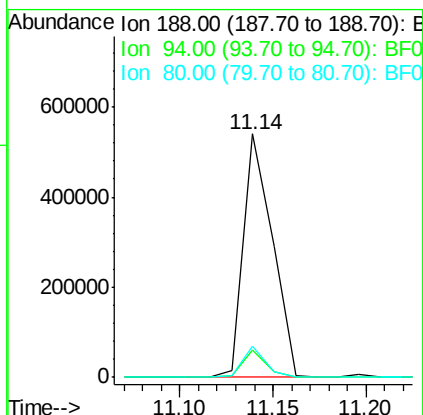
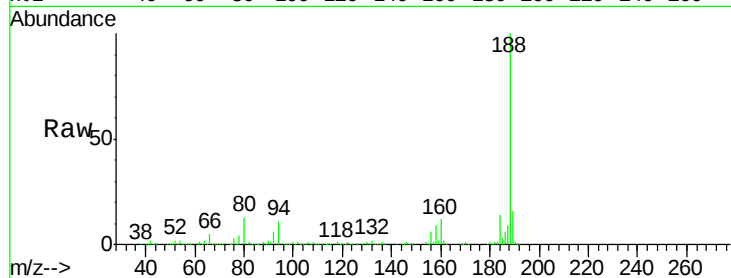




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 792
Delta R.T. -0.07 min
Lab File: BF084973.D
Acq: 10 Feb 2016 1:03

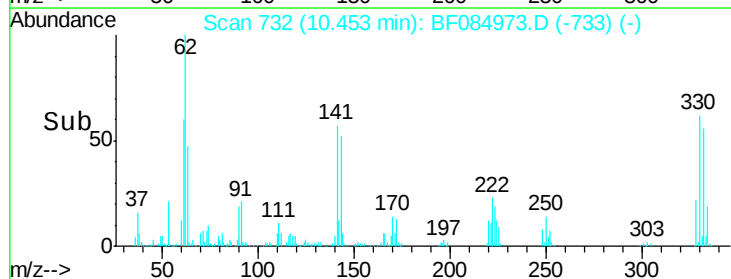
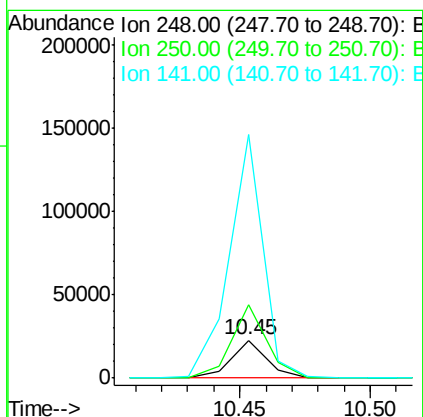
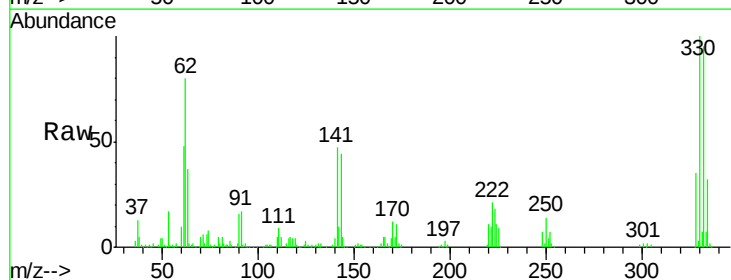
Instrument :
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SB05-1-2

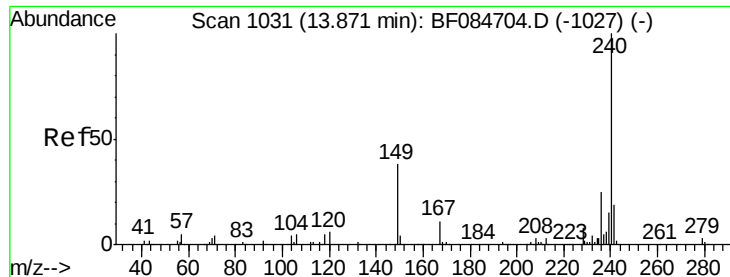
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.0	13.4
80	12.6	9.6	14.4



#66
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.31 min
Lab File: BF084973.D
Acq: 10 Feb 2016 1:03

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.4	78.4	117.6#
141	643.6	44.0	66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

Instrument :

BNA_F

ClientSampleId :

SB05-1-2

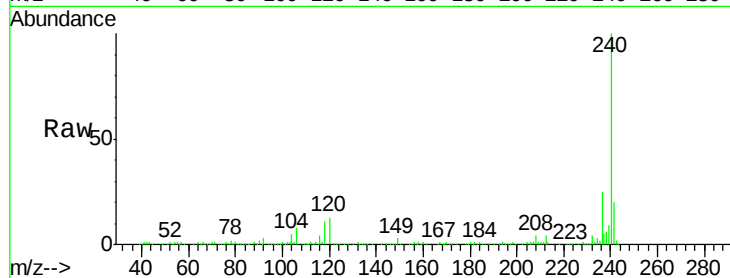
Tgt Ion:240 Resp: 416671

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

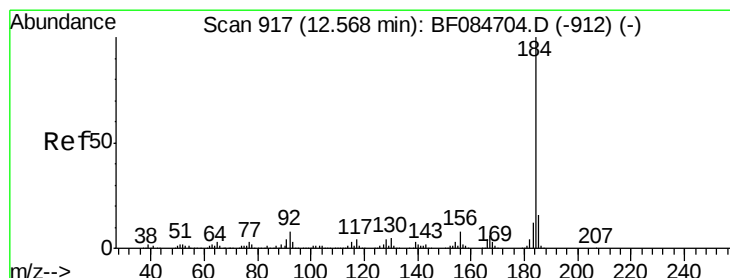
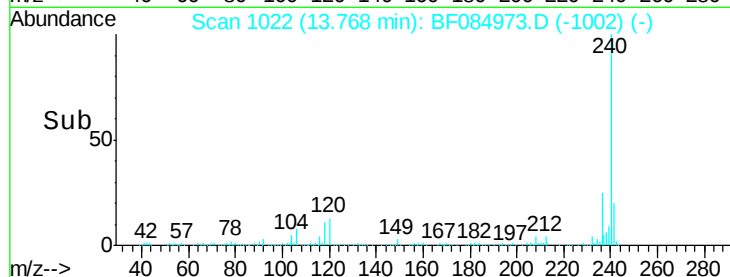
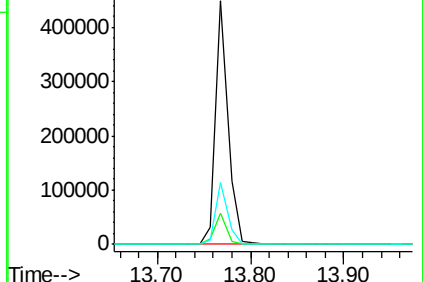
236 25.4 20.6 31.0



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: 7.73 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

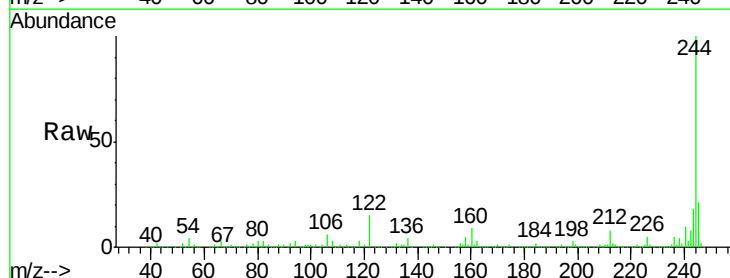
Tgt Ion:184 Resp: 18577

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

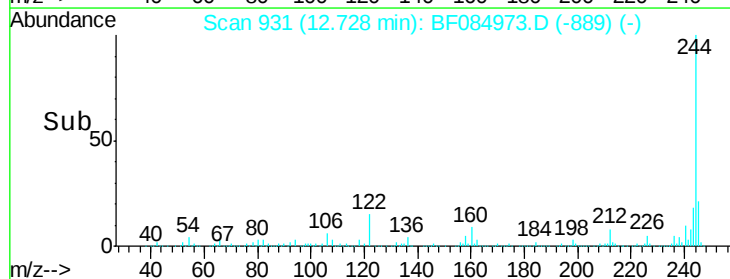
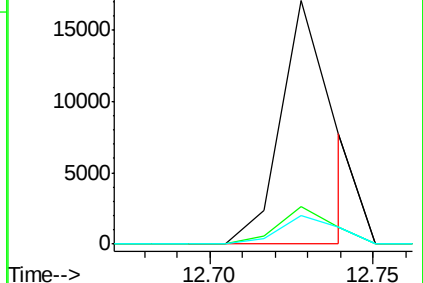
183 12.0 9.8 14.8

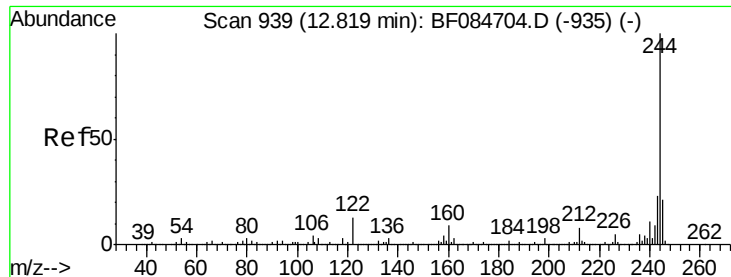


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 72.12 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.07 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

Instrument :

BNA_F

ClientSampleId :

SB05-1-2

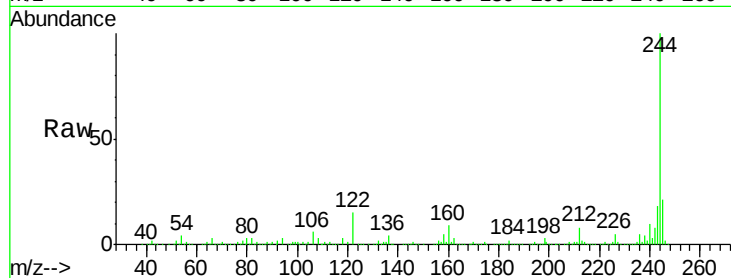
Tgt Ion:244 Resp: 1326107

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

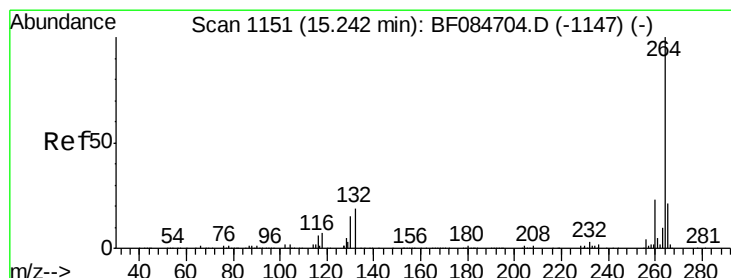
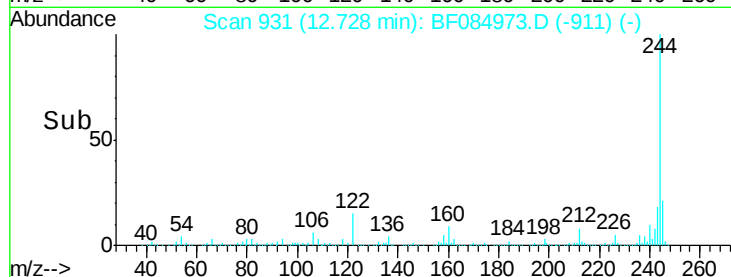
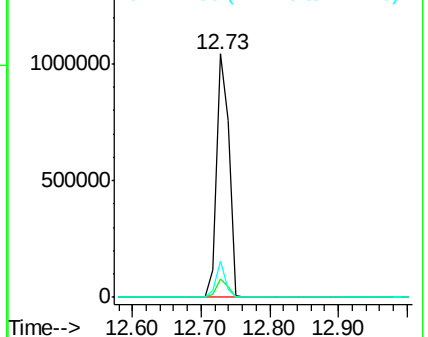
122 14.8 7.4 11.0#



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: 15.13 min Scan# 1141

Delta R.T. -0.08 min

Lab File: BF084973.D

Acq: 10 Feb 2016 1:03

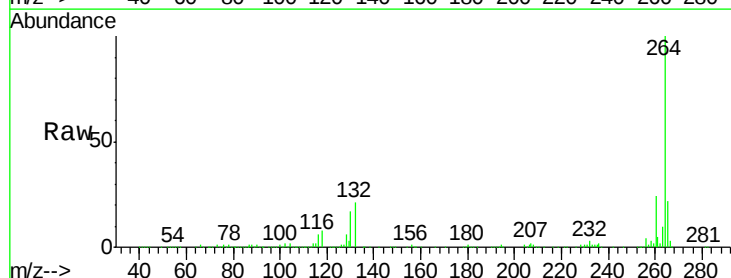
Tgt Ion:264 Resp: 324937

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.3 17.8 26.6



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

