

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084739.D
 Acq On : 2 Feb 2016 5:08
 Operator : SJ/IZ
 Sample : H1285-17 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(6-7.5)

Quant Time: Feb 02 05:49:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

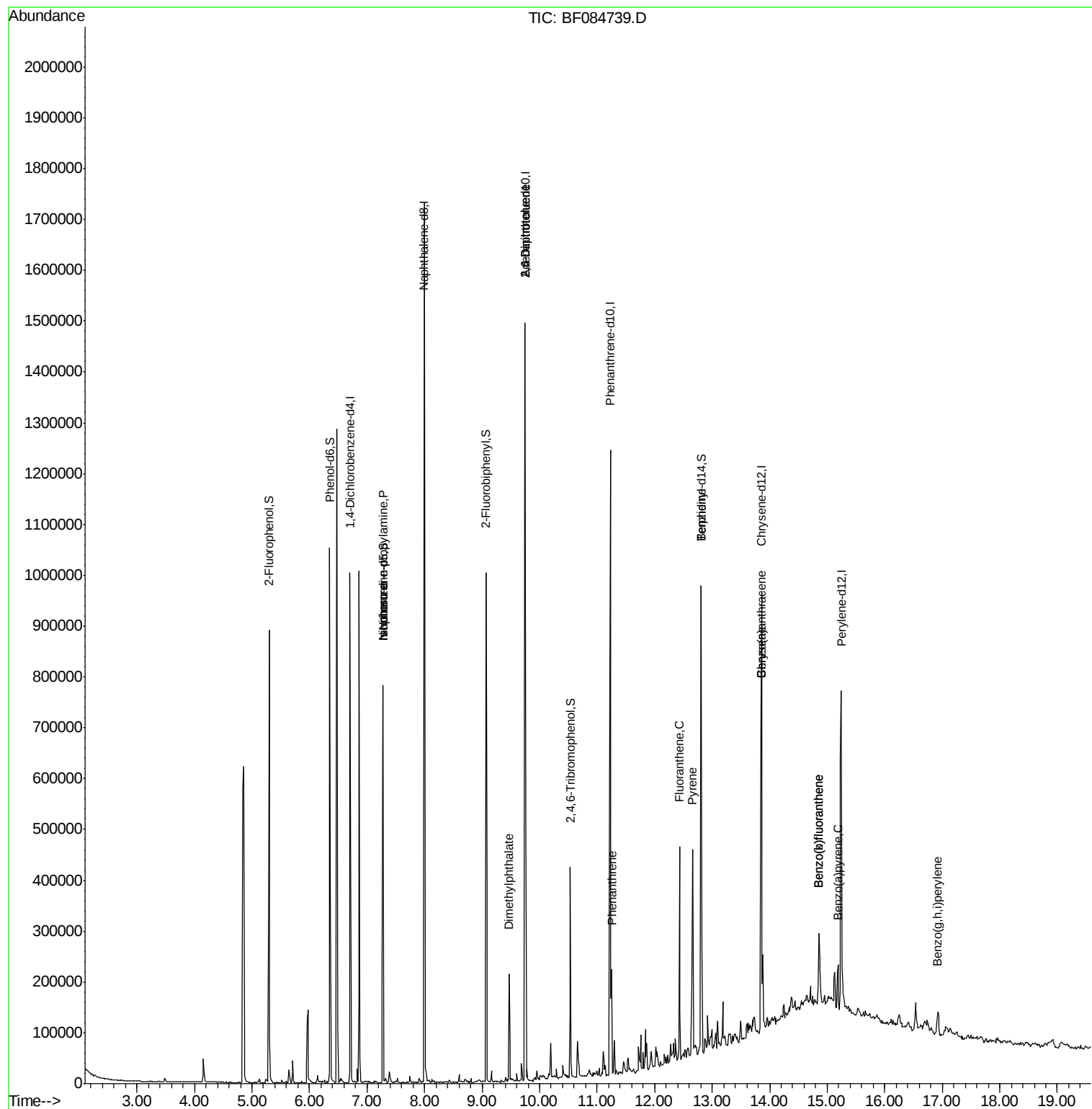
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	163774	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	692685	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	300015	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	547401	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	345456	20.00	ng	-0.01
86) Perylene-d12	15.24	264	328632	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	269086	25.59	ng	-0.01
7) Phenol-d6	6.35	99	352732	27.06	ng	-0.02
23) Nitrobenzene-d5	7.28	82	233711	19.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	49898	15.94	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	334911	13.90	ng	-0.02
78) Terphenyl-d14	12.81	244	263146	17.26	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	29611	3.62	ng	# 73
25) Isophorone	7.28	82	189975	7.95	ng	# 66
49) Dimethylphthalate	9.47	163	80847	3.54	ng	# 89
50) 2,6-Dinitrotoluene	9.74	165	39101	7.83	ng	# 37
56) 2,4-Dinitrotoluene	9.74	165	39101	6.14	ng	# 21
70) Phenanthrene	11.25	178	101029	3.33	ng	99
74) Fluoranthene	12.43	202	161489	5.26	ng	98
76) Benzidine	12.81	184	3871	7.10	ng	# 95
77) Pyrene	12.66	202	155312	5.87	ng	98
80) Benzo(a)anthracene	13.85	228	75736	3.53	ng	97
82) Chrysene	13.85	228	75736	3.64	ng	99
87) Benzo(b)fluoranthene	14.85	252	83980	3.80	ng	# 97
88) Benzo(k)fluoranthene	14.85	252	83963	4.60	ng	99
89) Benzo(a)pyrene	15.19	252	48425	2.57	ng	# 97
91) Benzo(g,h,i)perylene	16.92	276	37202	2.33	ng	97

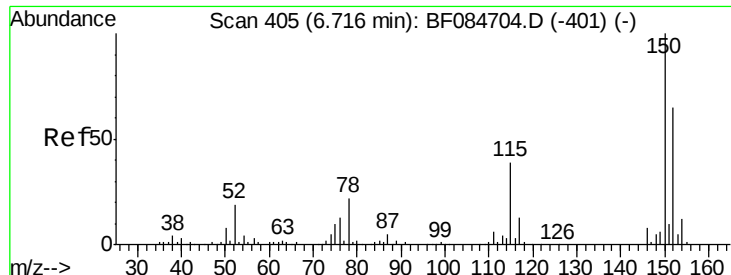
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

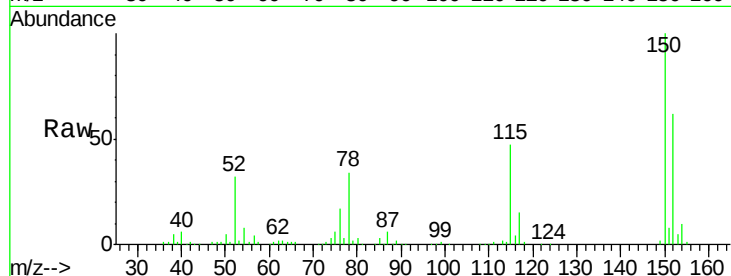
Tgt Ion:152 Resp: 163774

Ion Ratio Lower Upper

152 100

150 160.3 123.0 184.4

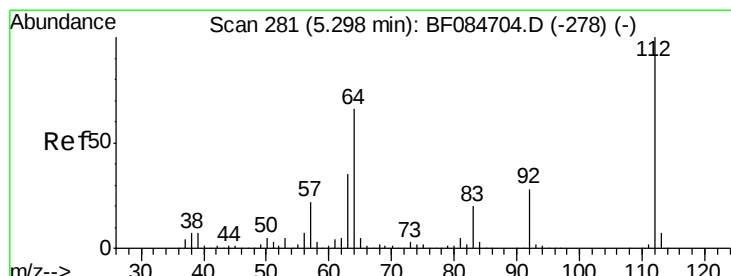
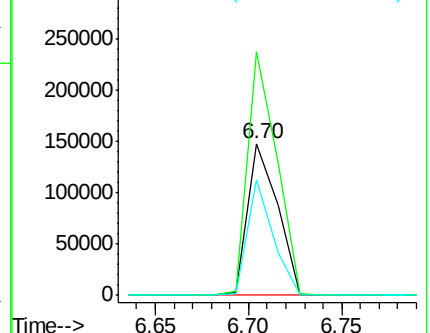
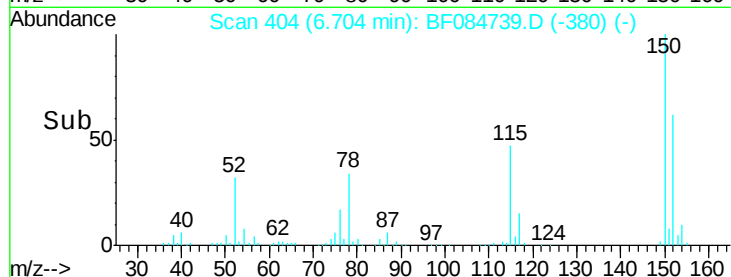
115 76.0 51.4 77.2



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



#5

2-Fluorophenol

Concen: 25.59 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

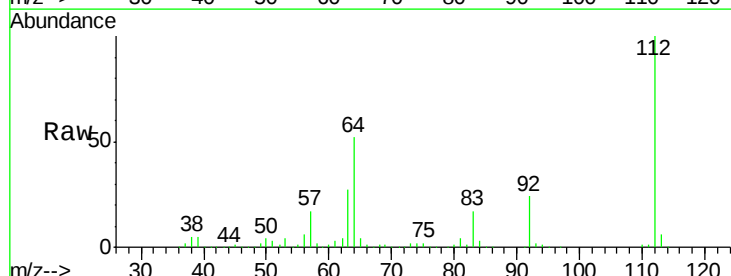
Tgt Ion:112 Resp: 269086

Ion Ratio Lower Upper

112 100

64 52.1 36.6 55.0

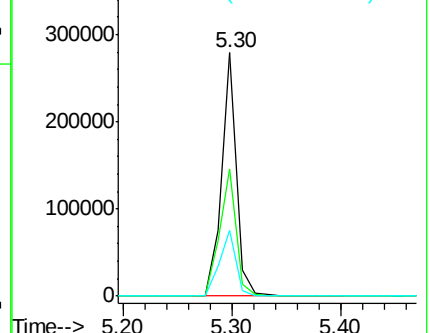
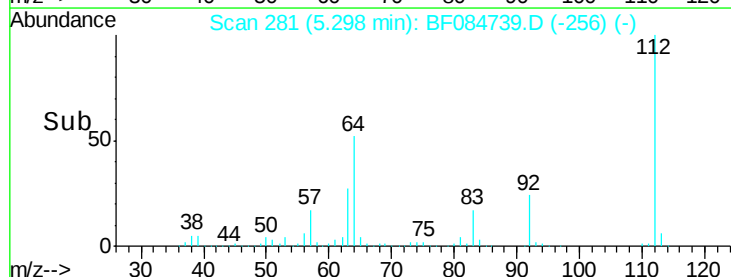
63 27.0 19.4 29.0

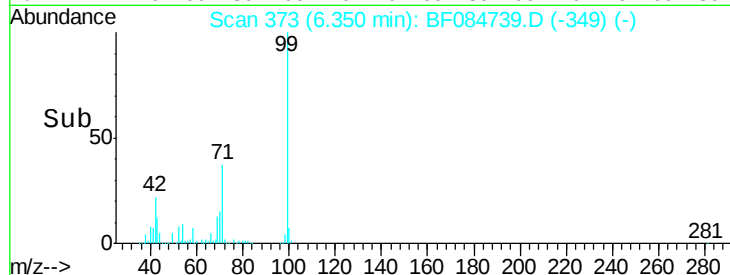
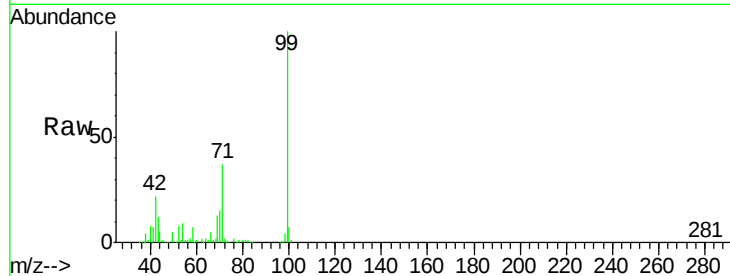
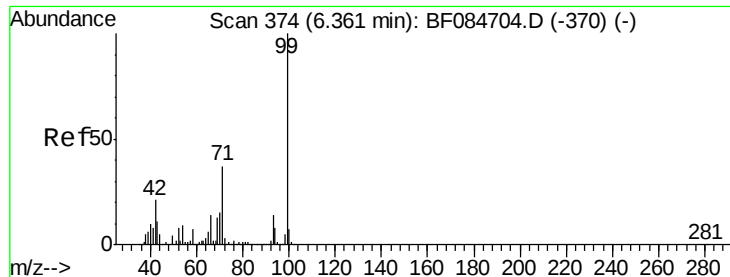


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.06 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

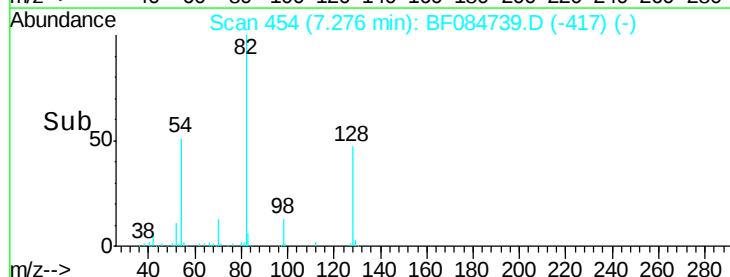
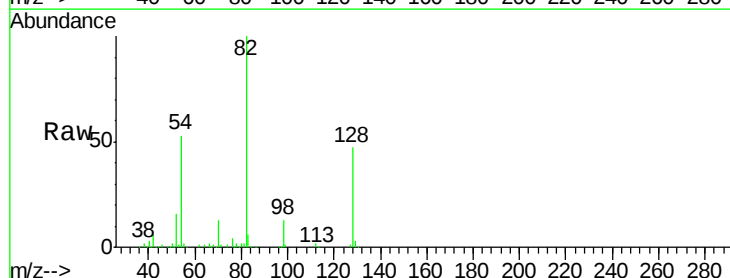
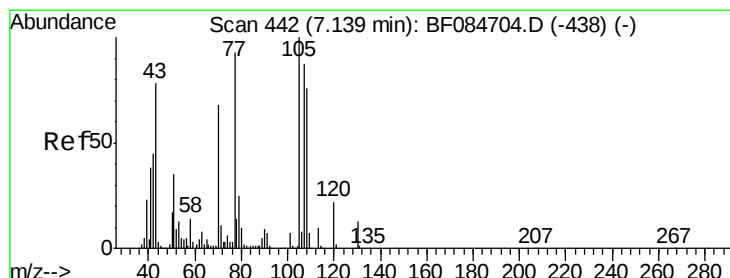
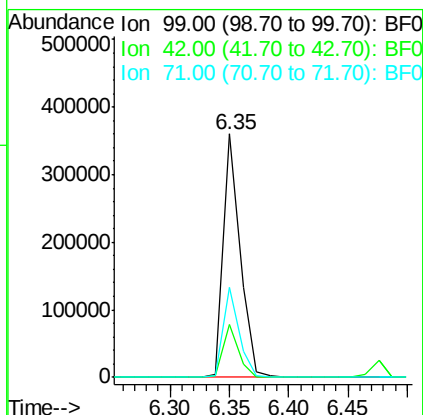
Tgt Ion: 99 Resp: 352732

Ion Ratio Lower Upper

99 100

42 21.9 12.8 19.2#

71 37.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.62 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Tgt Ion: 70 Resp: 29611

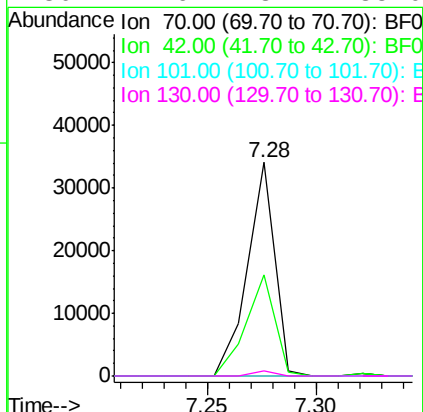
Ion Ratio Lower Upper

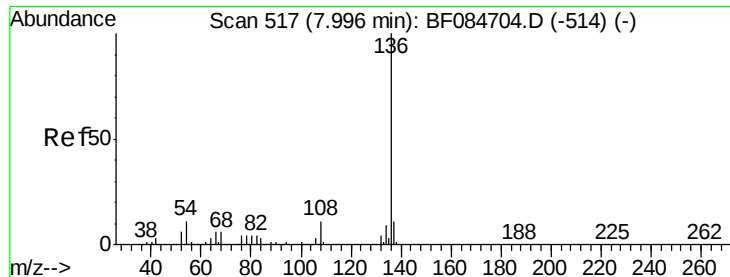
70 100

42 47.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.6 23.4 35.0#

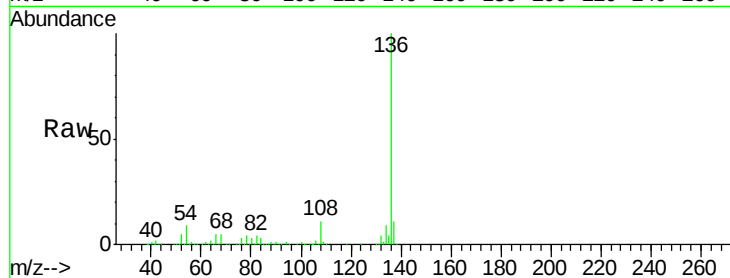




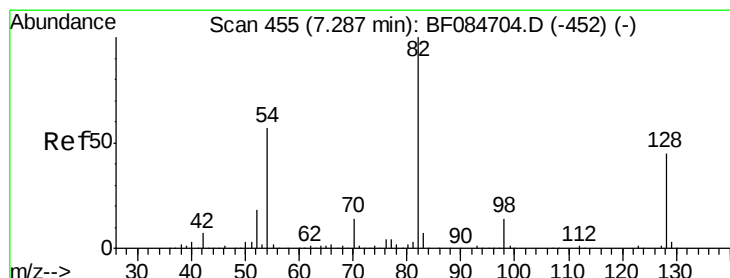
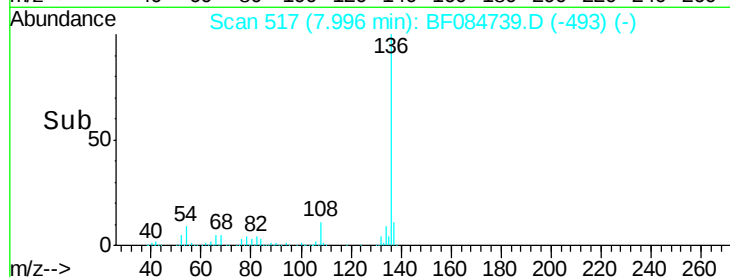
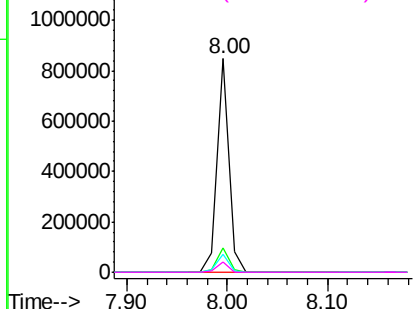
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Tgt Ion:	136	Resp:	692685
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	8.7	5.8	8.8
68	5.1	4.2	6.2

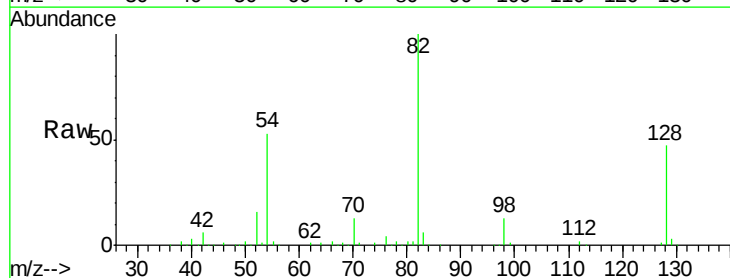


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

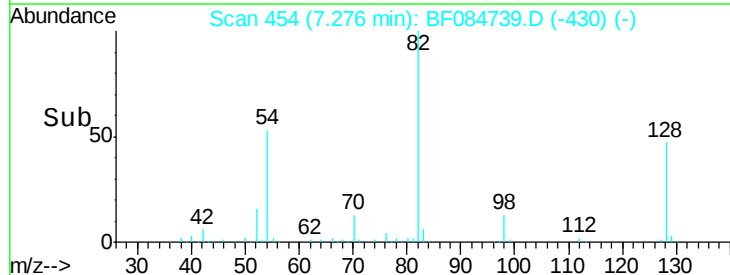
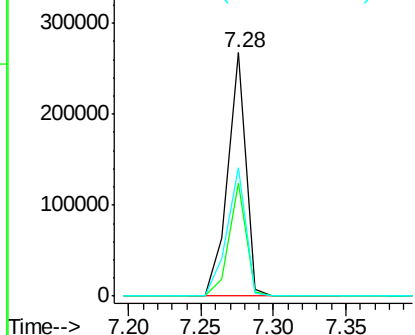


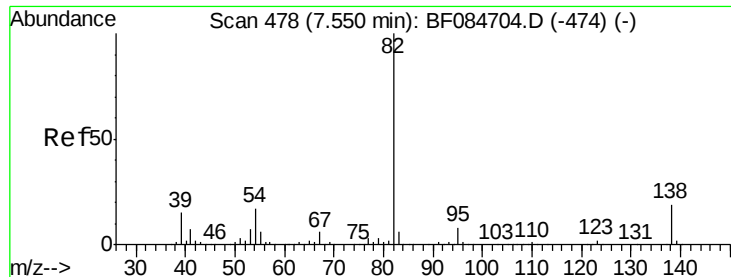
#23
Nitrobenzene-d5
Concen: 19.01 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:	82	Resp:	233711
Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.6	51.8
54	52.6	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





#25

Isophorone

Concen: 7.95 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.29 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

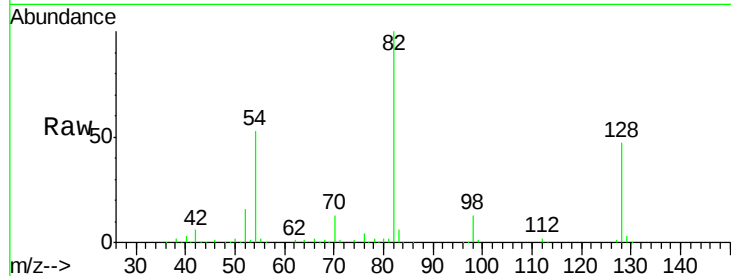
Tgt Ion: 82 Resp: 189975

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

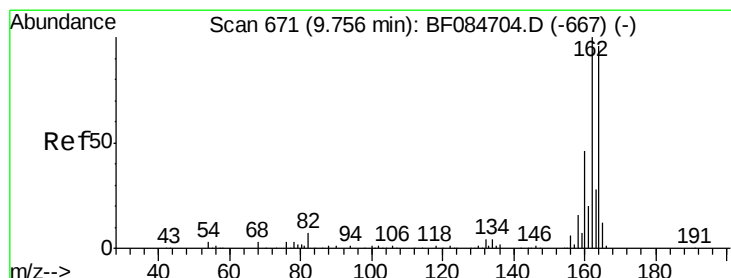
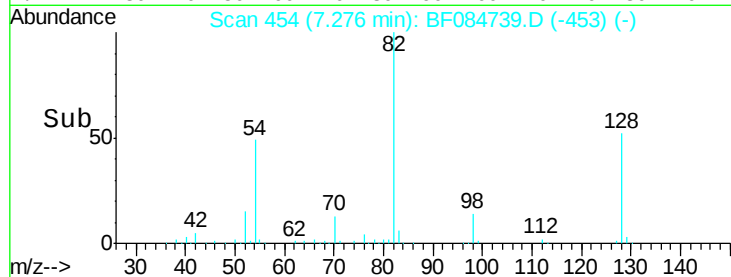
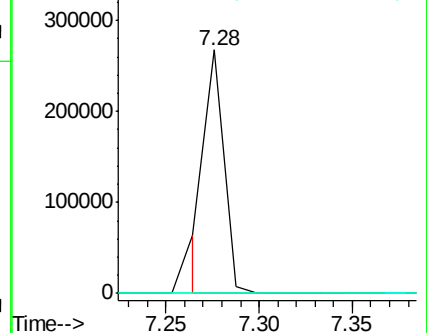
138 0.0 13.6 20.4#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

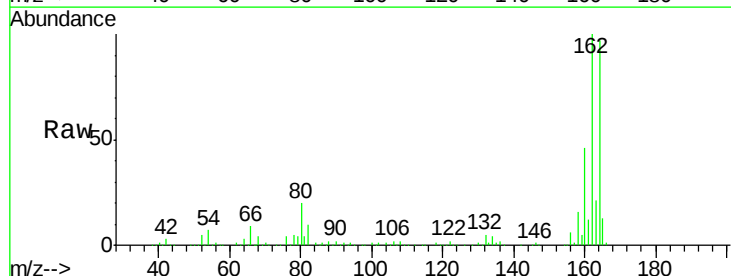
Tgt Ion: 164 Resp: 300015

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

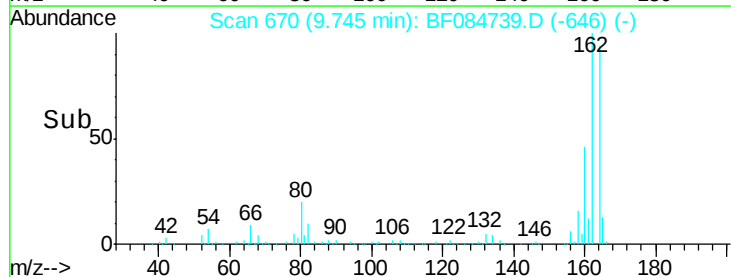
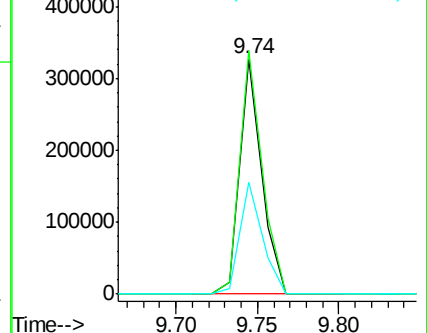
160 47.3 37.5 56.3

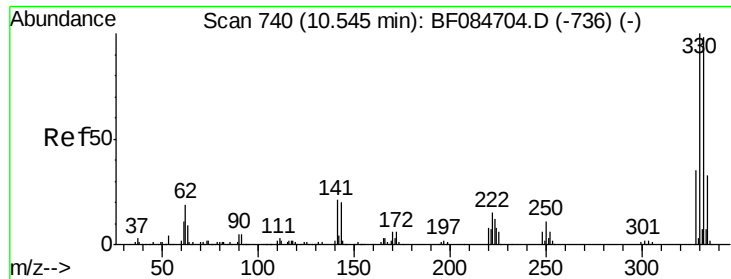


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 15.94 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

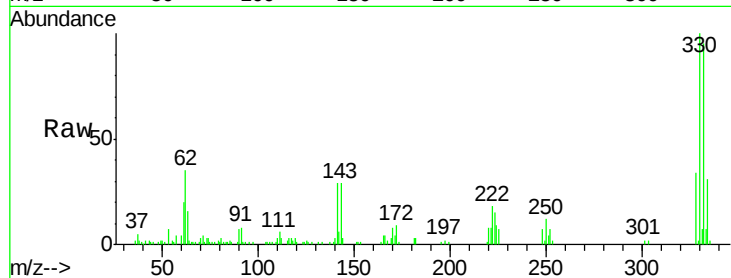
Tgt Ion:330 Resp: 49898

Ion Ratio Lower Upper

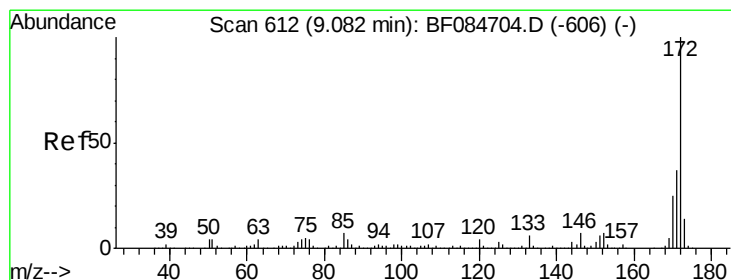
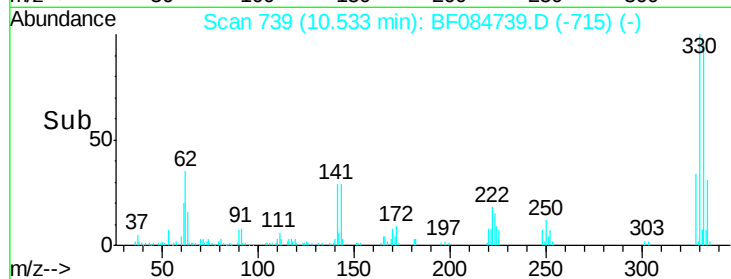
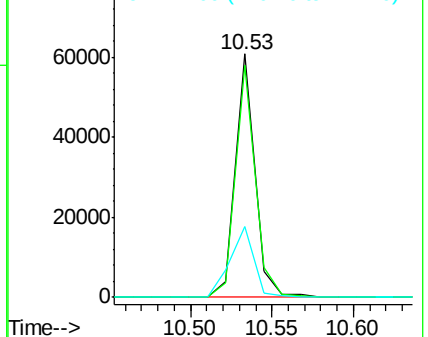
330 100

332 96.5 76.6 114.8

141 35.9 27.8 41.6



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: 13.90 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

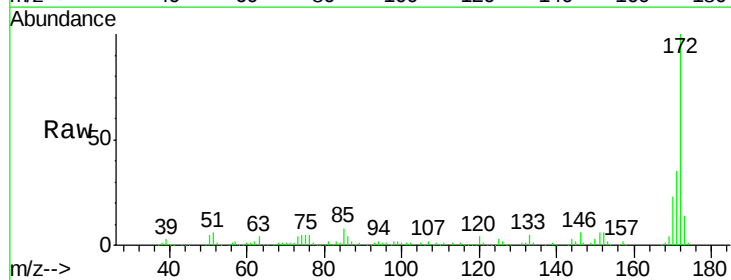
Tgt Ion:172 Resp: 334911

Ion Ratio Lower Upper

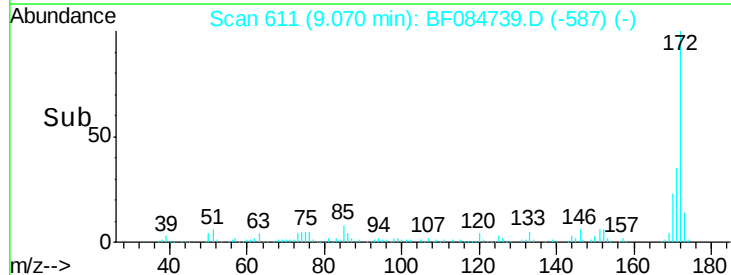
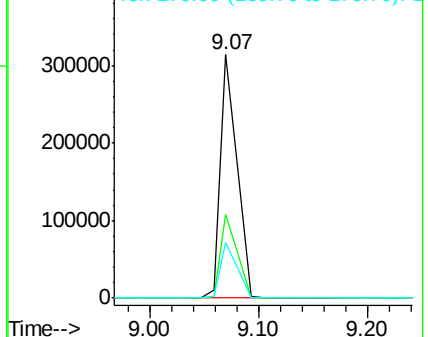
172 100

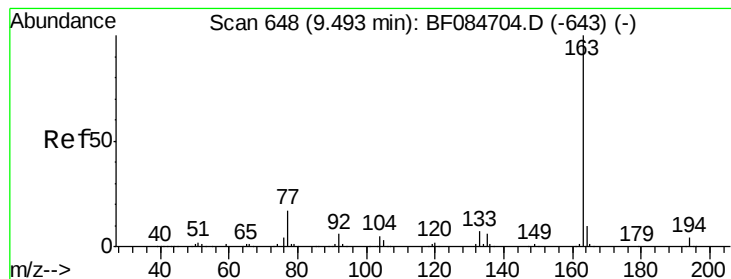
171 34.6 28.9 43.3

170 22.6 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.54 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

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SUP-B012(6-7.5)

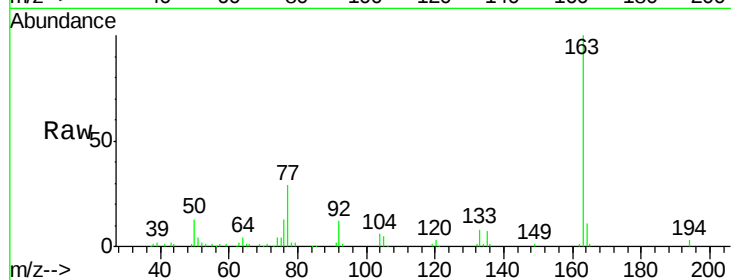
Tgt Ion:163 Resp: 80847

Ion Ratio Lower Upper

163 100

194 2.6 8.0 12.0#

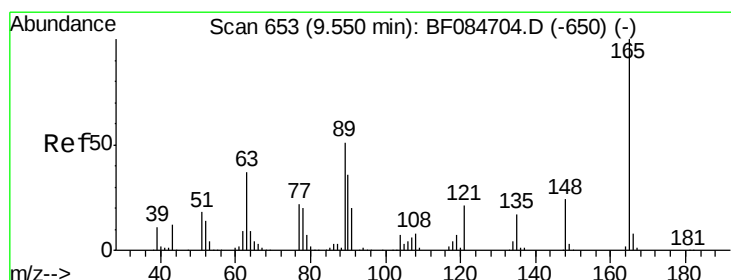
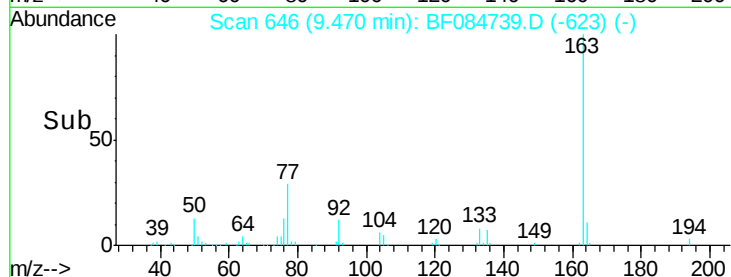
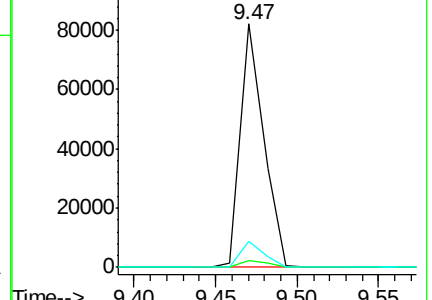
164 10.8 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 7.83 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.18 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

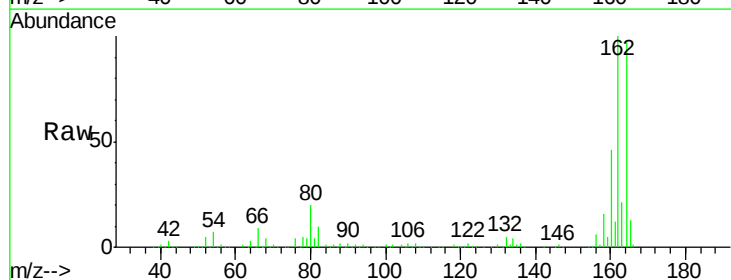
Tgt Ion:165 Resp: 39101

Ion Ratio Lower Upper

165 100

63 1.1 28.8 43.2#

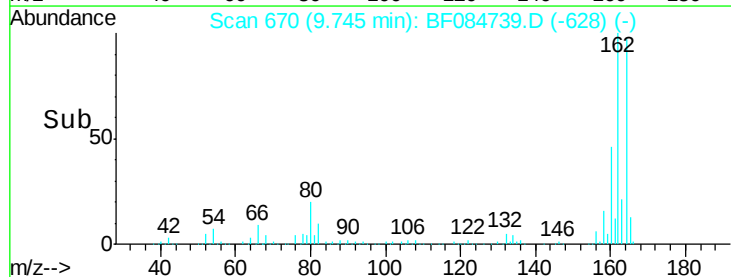
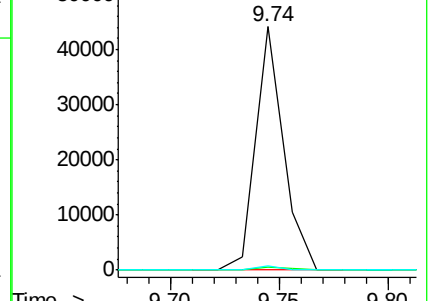
89 1.8 35.1 52.7#

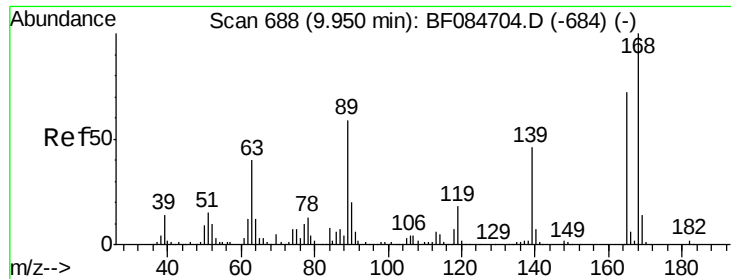


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

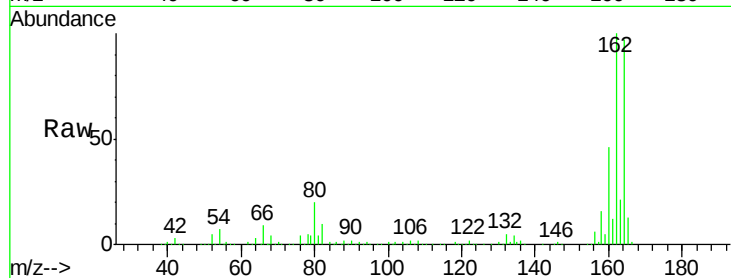




#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.22 min
 Lab File: BF084739.D
 Acq: 2 Feb 2016 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(6-7.5)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#

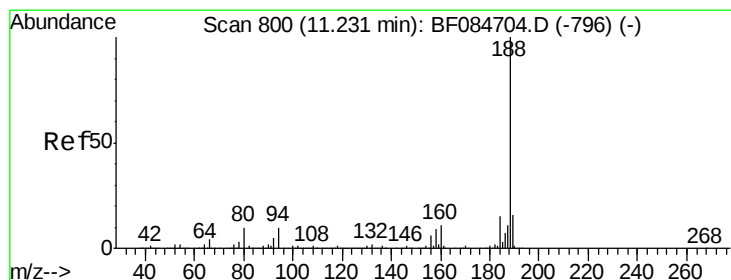
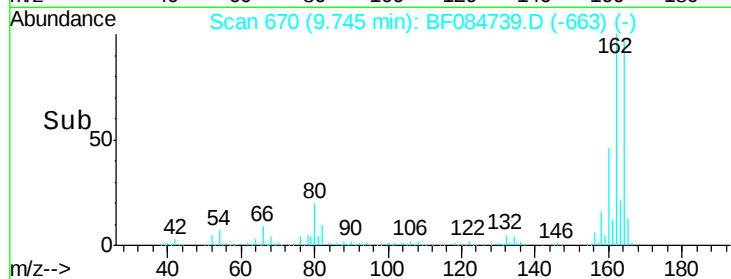
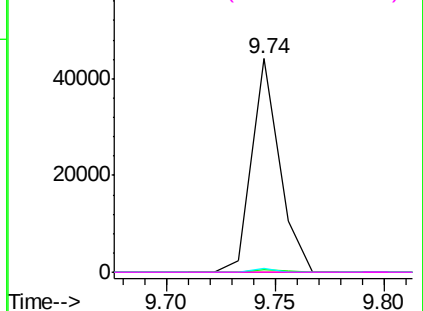


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

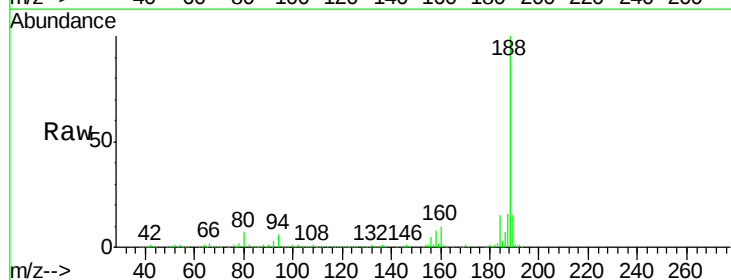
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF084739.D
 Acq: 2 Feb 2016 5:08

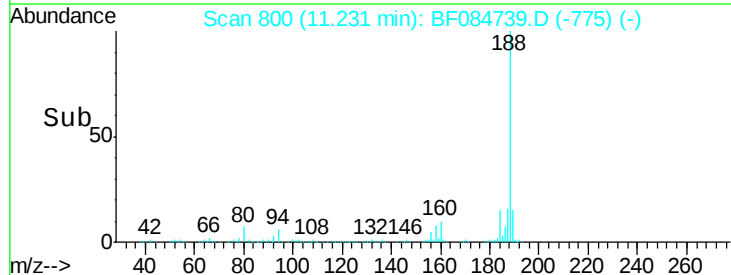
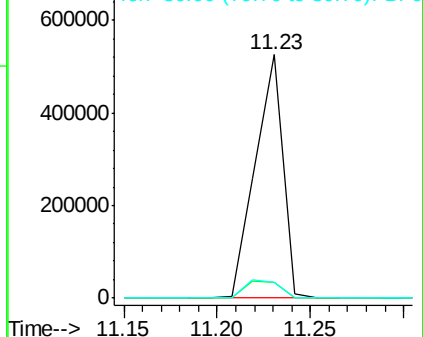
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	9.0	13.4#
80	6.6	9.6	14.4#

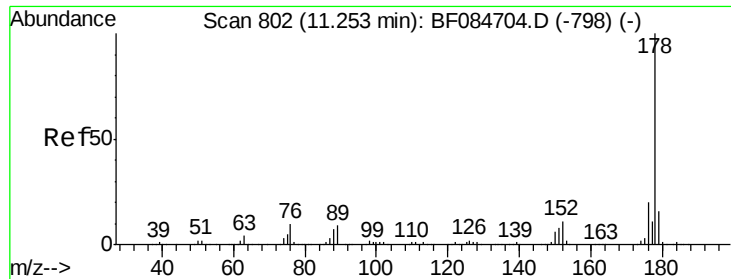


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

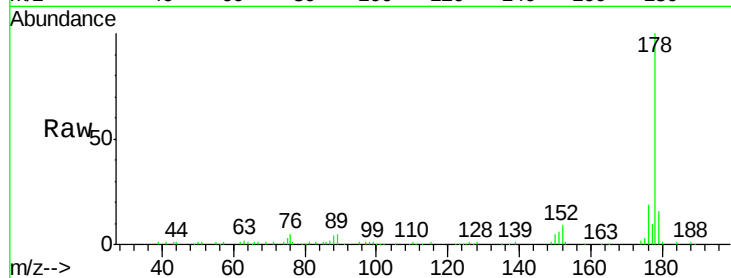




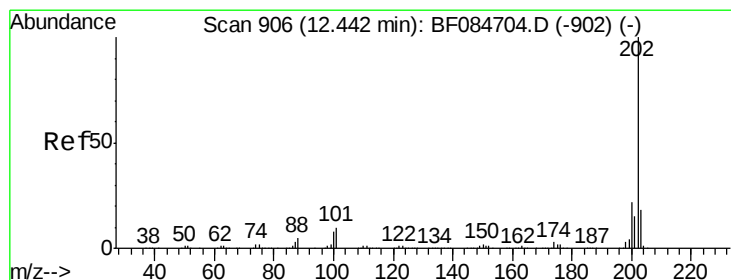
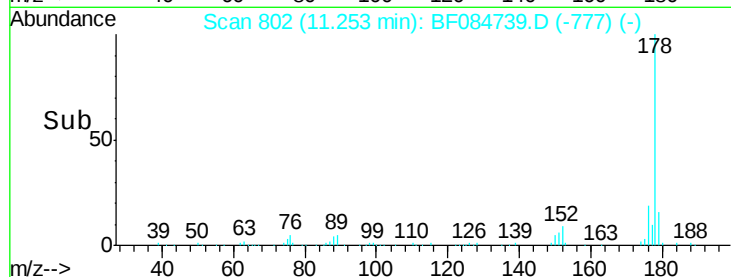
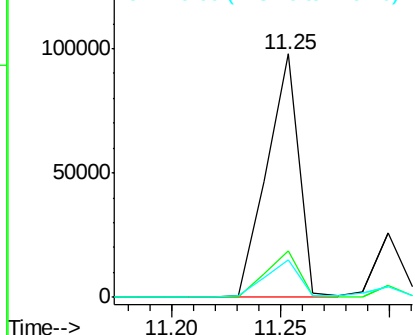
#70
Phenanthrene
Concen: 3.33 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

Tgt Ion:178 Resp: 101029
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.0 18.0

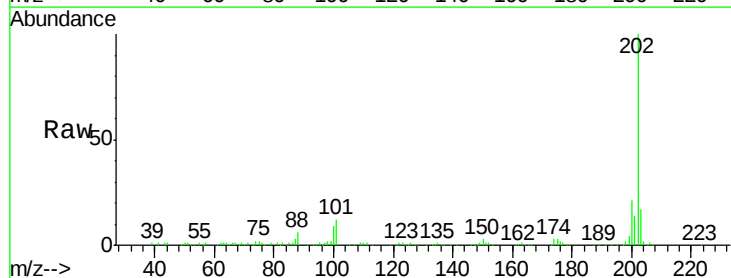


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

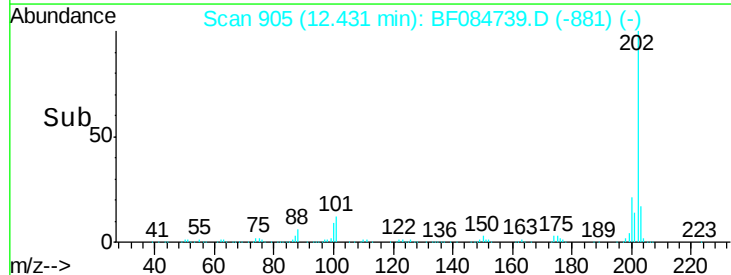
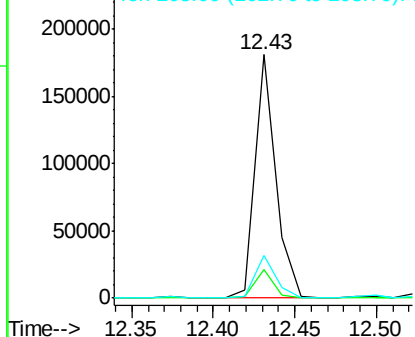


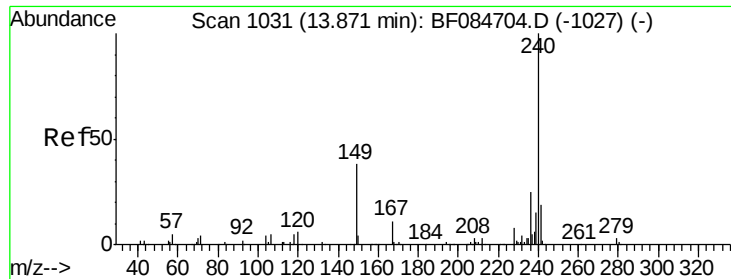
#74
Fluoranthene
Concen: 5.26 ng
RT: 12.43 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:202 Resp: 161489
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 17.5 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

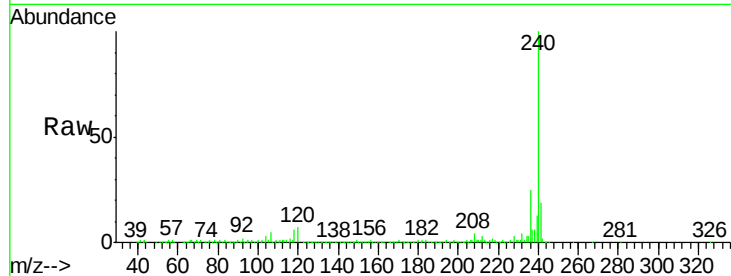
Tgt Ion:240 Resp: 345456

Ion Ratio Lower Upper

240 100

120 7.3 9.5 14.3#

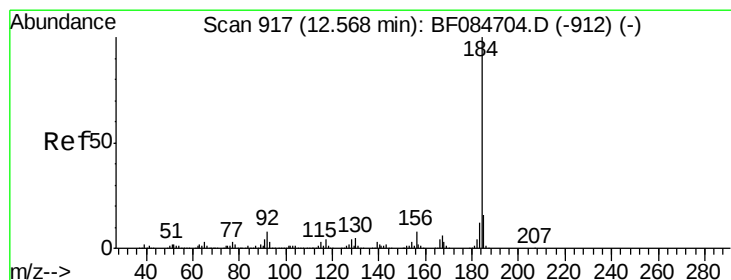
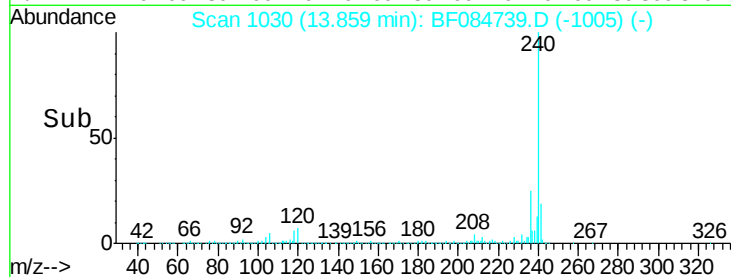
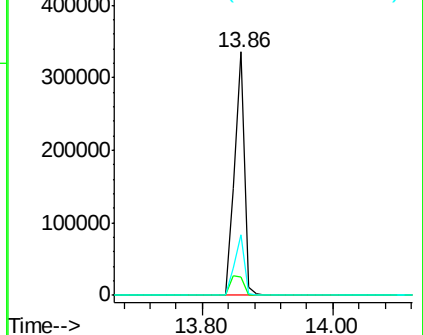
236 24.7 20.6 31.0



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: 7.10 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.23 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

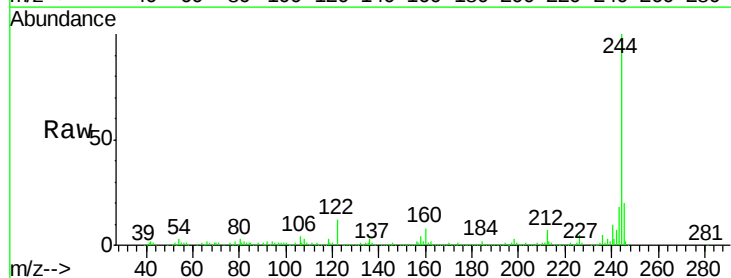
Tgt Ion:184 Resp: 3871

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.2

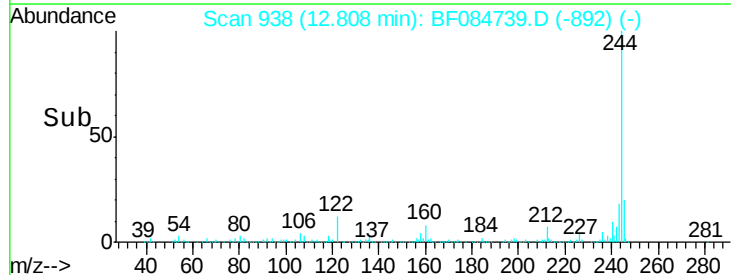
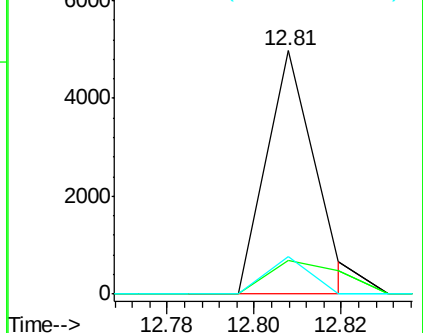
183 15.5 9.8 14.8#

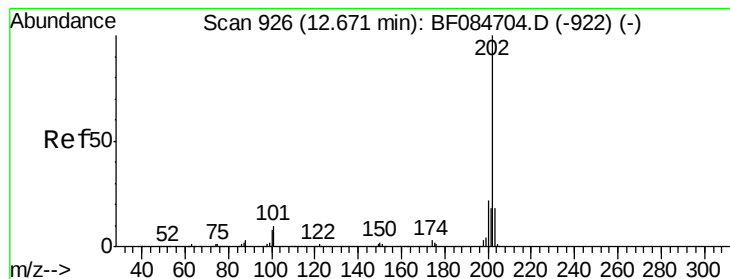


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 5.87 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

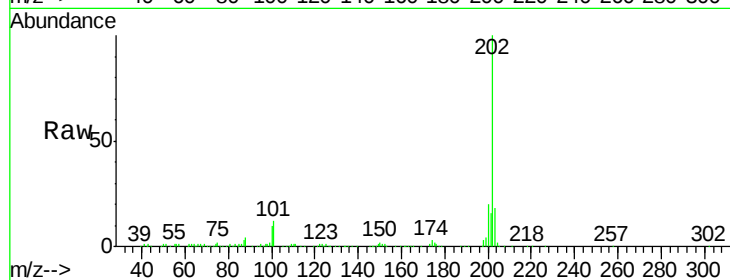
Tgt Ion:202 Resp: 155312

Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

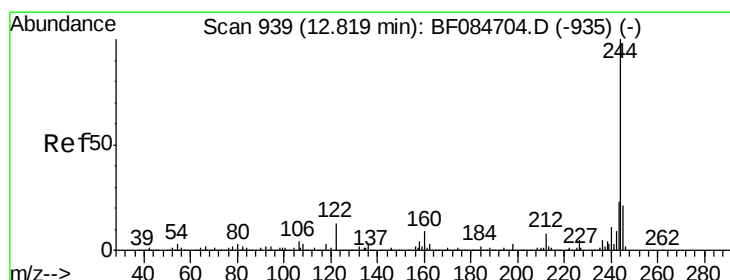
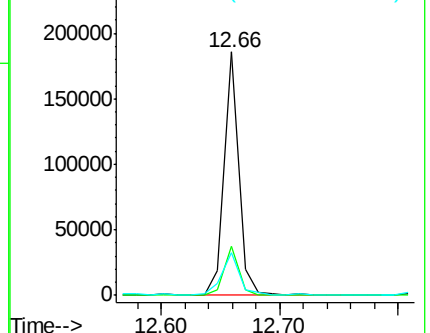
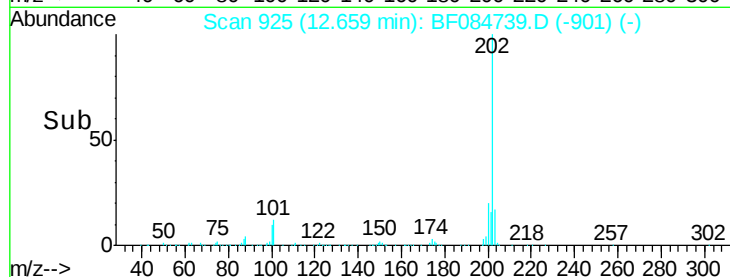
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 17.26 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

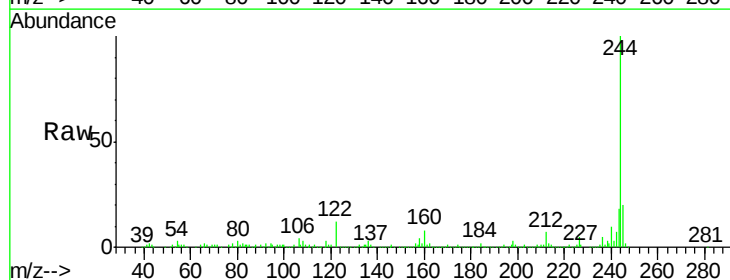
Tgt Ion:244 Resp: 263146

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

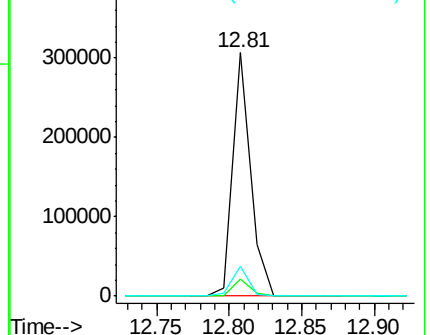
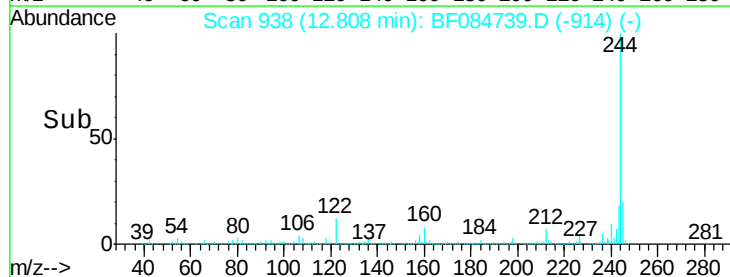
122 12.1 7.4 11.0#

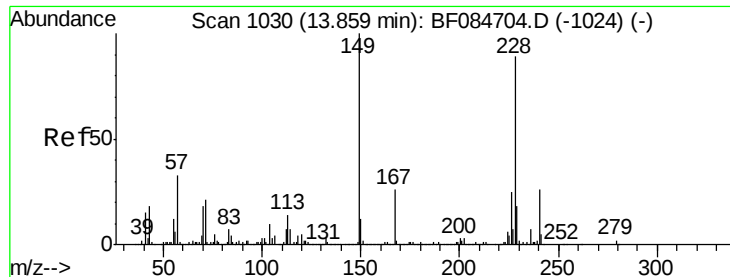


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.53 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)

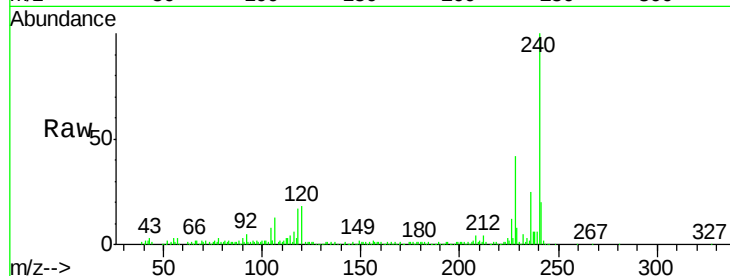
Tgt Ion:228 Resp: 75736

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.6

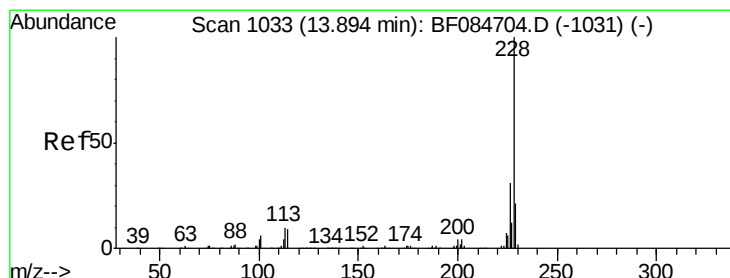
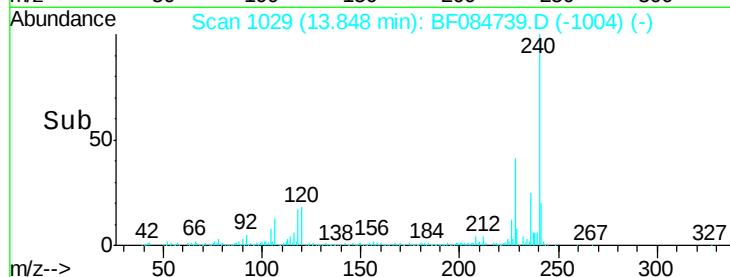
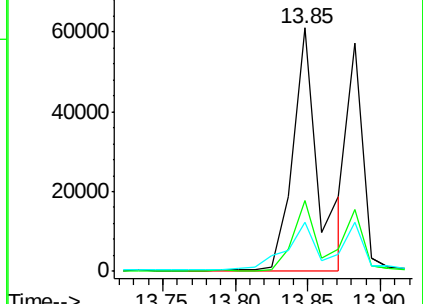
229 20.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.64 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF084739.D

Acq: 2 Feb 2016 5:08

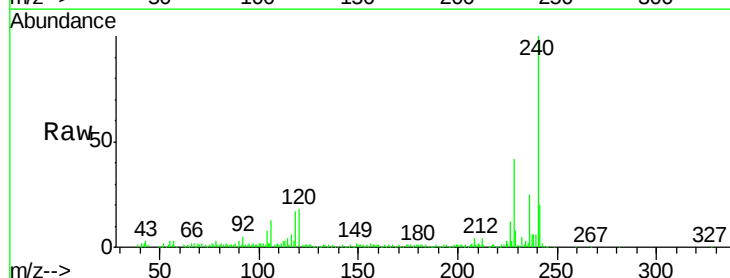
Tgt Ion:228 Resp: 75736

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

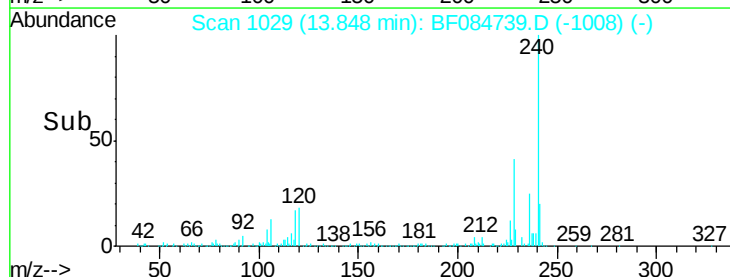
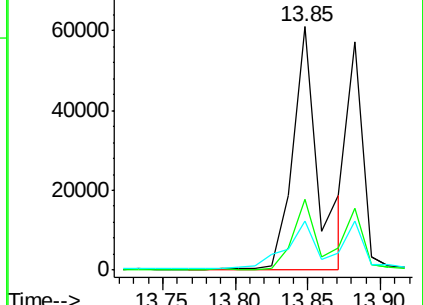
229 20.2 16.1 24.1

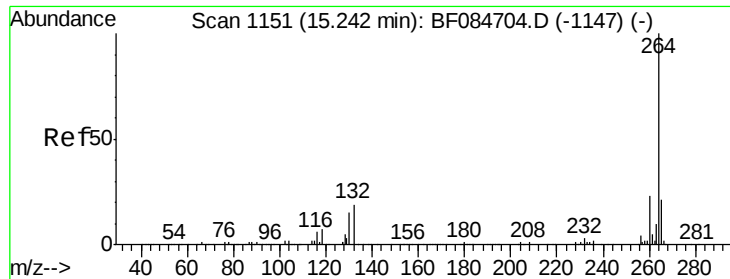


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

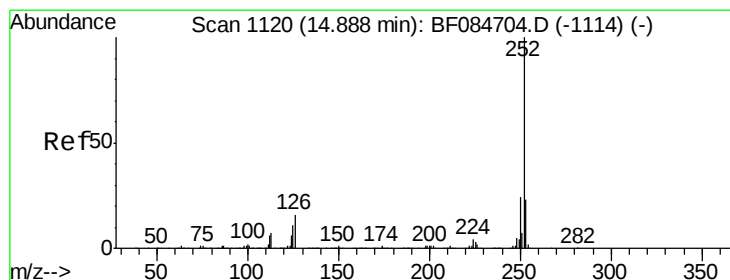
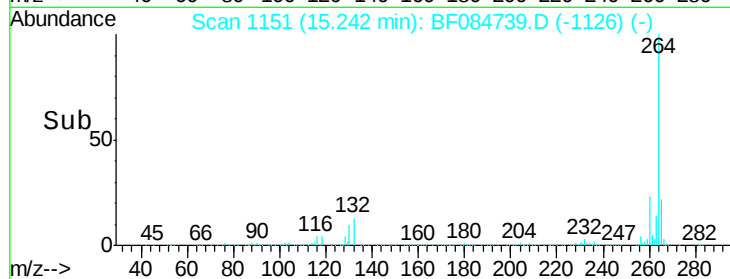
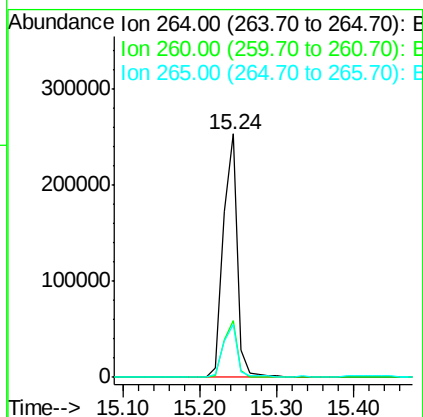
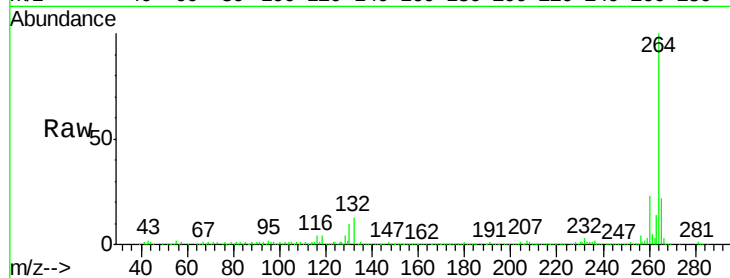




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

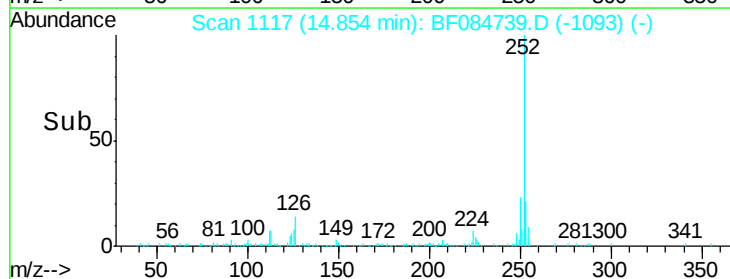
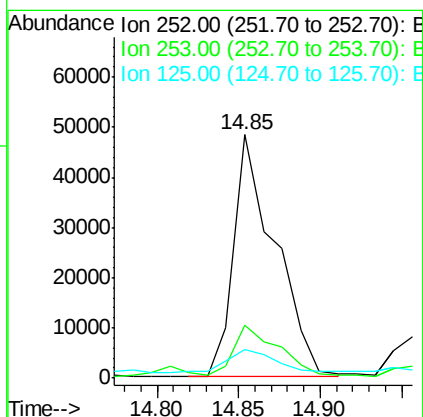
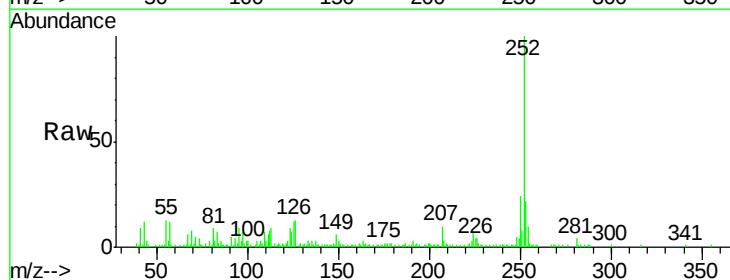
Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

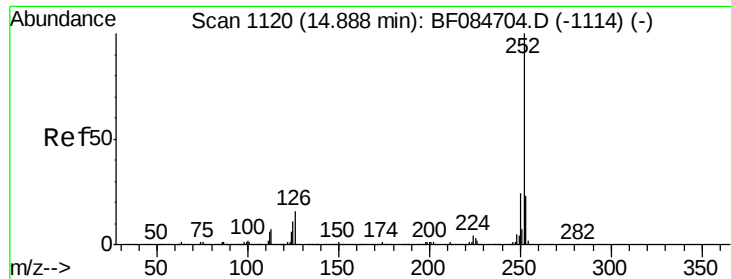
Tgt Ion:264 Resp: 328632
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 21.9 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 3.80 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion:252 Resp: 83980
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 11.6 6.5 9.7#

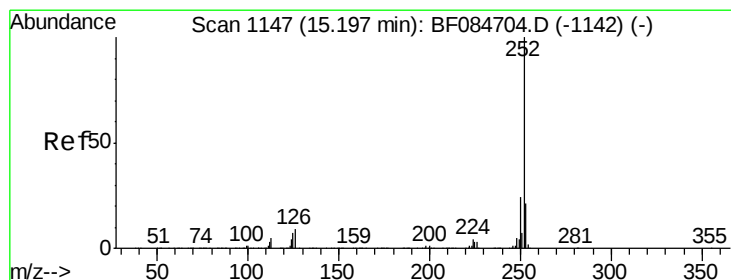
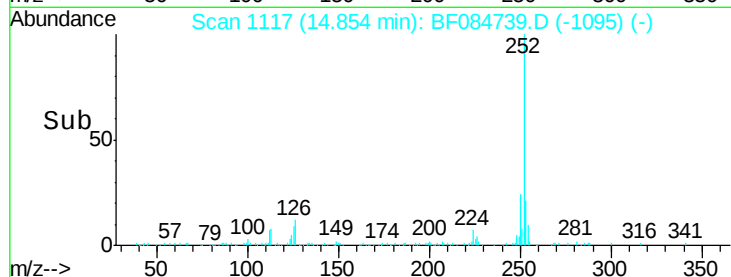
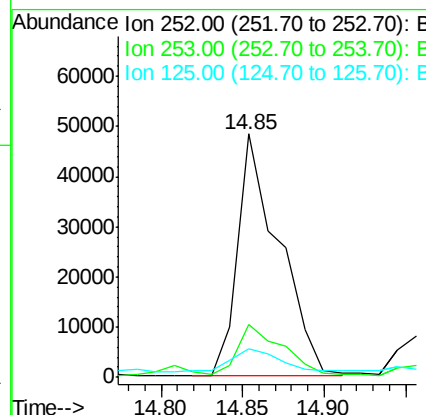
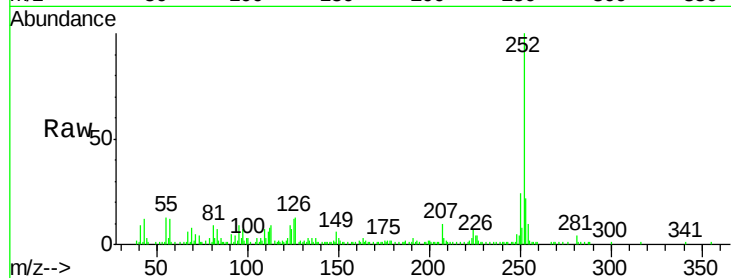




#88
Benzo(k)fluoranthene
Concen: 4.60 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

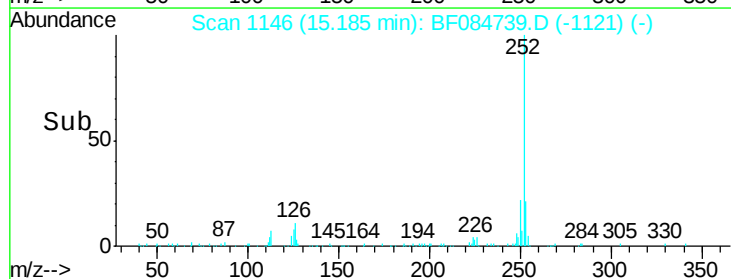
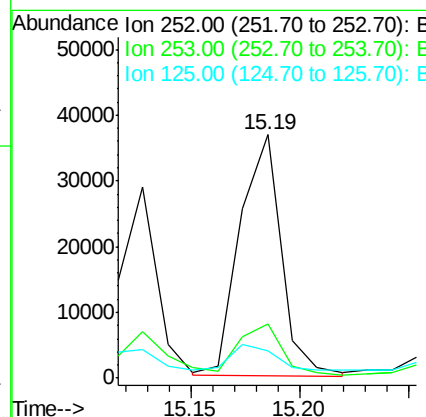
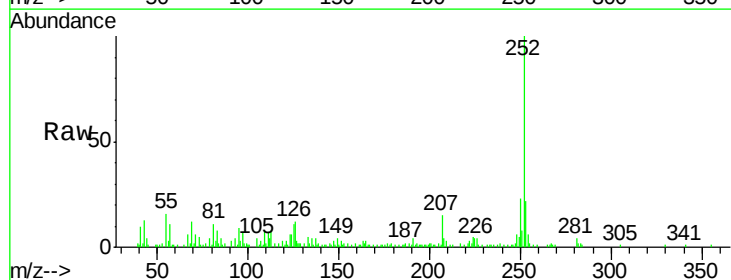
Instrument :
BNA_F
ClientSampleId :
SUP-B012(6-7.5)

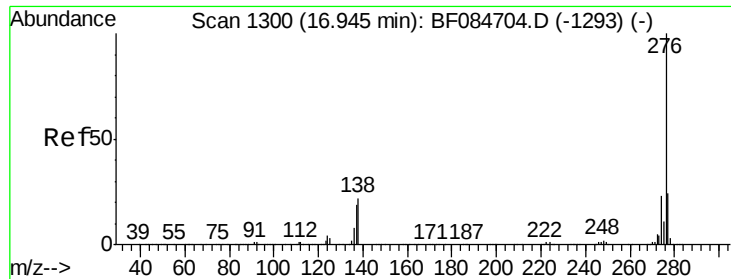
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.6	9.0	13.6



#89
Benzo(a)pyrene
Concen: 2.57 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF084739.D
Acq: 2 Feb 2016 5:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	11.3	7.0	10.4





#91

Benzo(g,h,i)perylene

Concen: 2.33 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.03 min

Lab File: BF084739.D

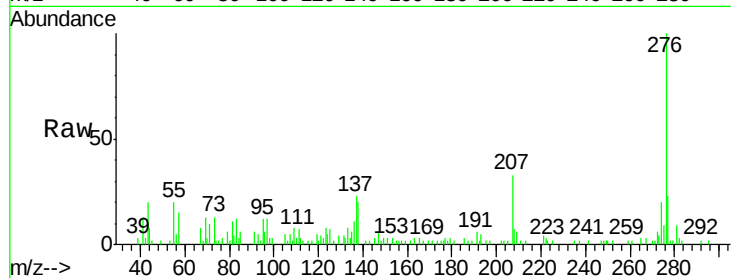
Acq: 2 Feb 2016 5:08

Instrument :

BNA_F

ClientSampleId :

SUP-B012(6-7.5)



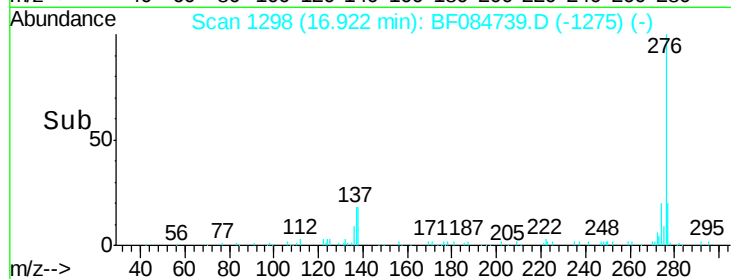
Tgt Ion: 276 Resp: 37202

Ion Ratio Lower Upper

276 100

277 22.7 18.8 28.2

138 20.0 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

