

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084987.D
 Acq On : 10 Feb 2016 12:29
 Operator : SJ/IZ
 Sample : H1329-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(21.5-23.5)

Quant Time: Feb 10 13:40:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

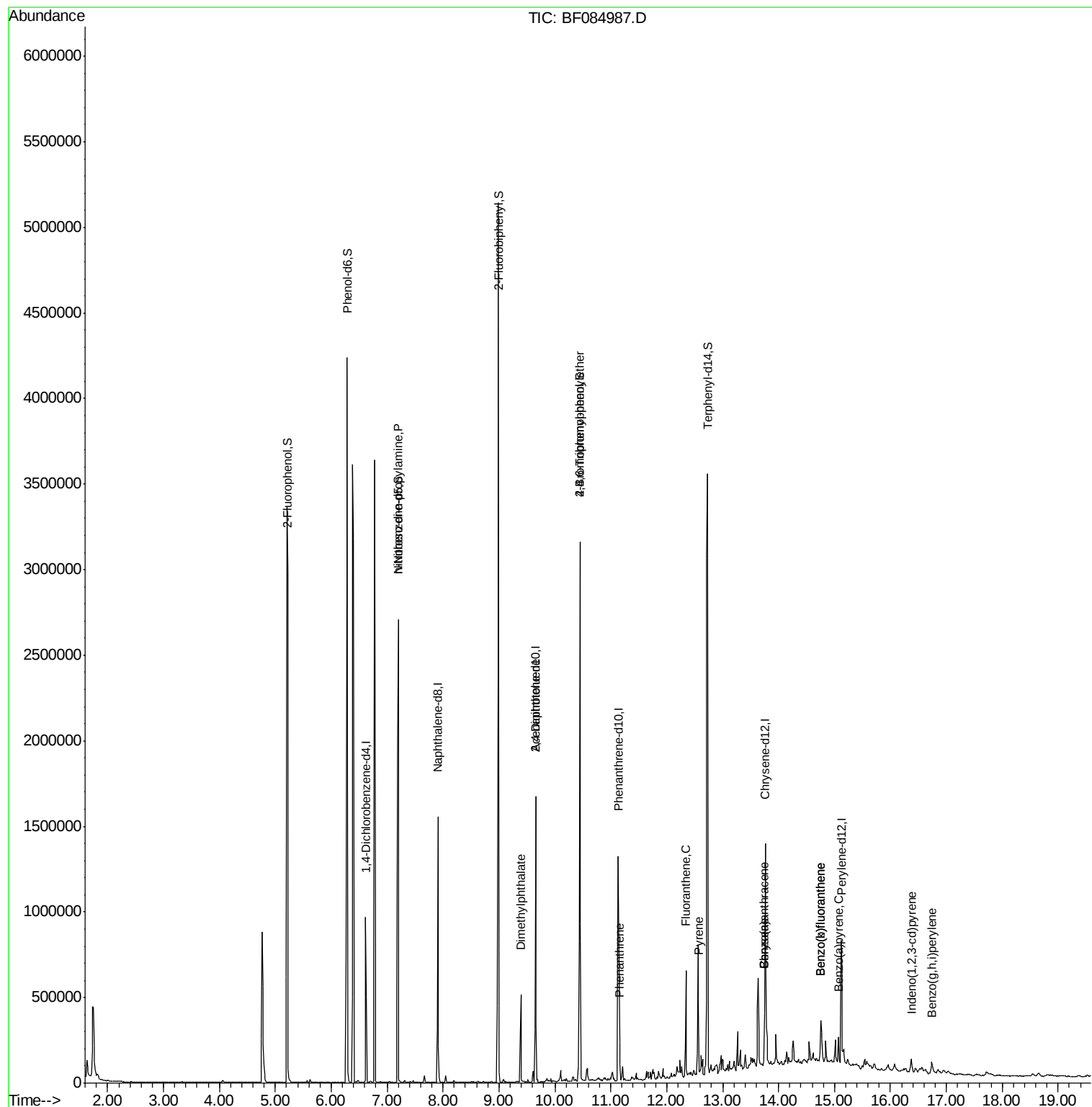
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	161750	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	702073	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	335119	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	593601	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	455985	20.00	ng	-0.01
86) Perylene-d12	15.12	264	365184	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1394074	134.24	ng	0.02
7) Phenol-d6	6.28	99	1895452	147.23	ng	0.00
23) Nitrobenzene-d5	7.20	82	1203469	96.56	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	435569	124.61	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1791837	92.97	ng	0.00
78) Terphenyl-d14	12.73	244	1622048	80.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	166151	20.59	ng	# 76
49) Dimethylphthalate	9.39	163	257040	10.07	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	42292	5.95	ng	# 21
66) 4-Bromophenyl-phenylether	10.44	248	24903	3.80	ng	# 1
70) Phenanthrene	11.15	178	94721	2.88	ng	98
74) Fluoranthene	12.34	202	253792	7.62	ng	94
77) Pyrene	12.57	202	237312	6.80	ng	97
80) Benzo(a)anthracene	13.75	228	140670	4.97	ng	98
82) Chrysene	13.75	228	140670	5.13	ng	98
85) Indeno(1,2,3-cd)pyrene	16.38	276	48294	2.24	ng	# 94
87) Benzo(b)fluoranthene	14.75	252	161408	6.58	ng	# 97
88) Benzo(k)fluoranthene	14.75	252	161408	7.96	ng	98
89) Benzo(a)pyrene	15.07	252	86608	4.14	ng	97
91) Benzo(g,h,i)perylene	16.74	276	54848	3.09	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

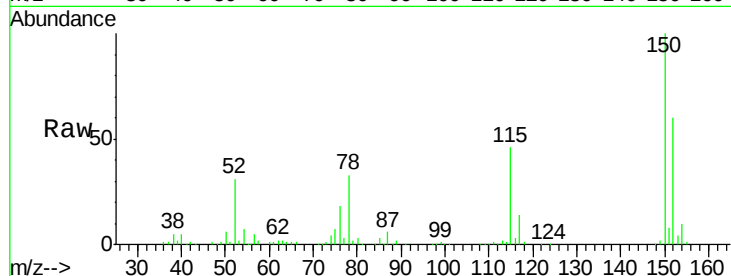
Tgt Ion:152 Resp: 161750

Ion Ratio Lower Upper

152 100

150 166.0 123.0 184.4

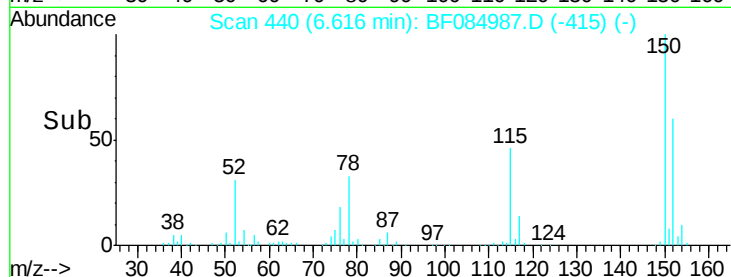
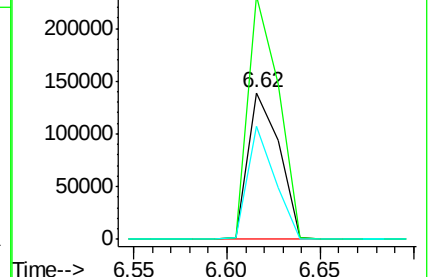
115 77.0 51.4 77.2



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: 134.24 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

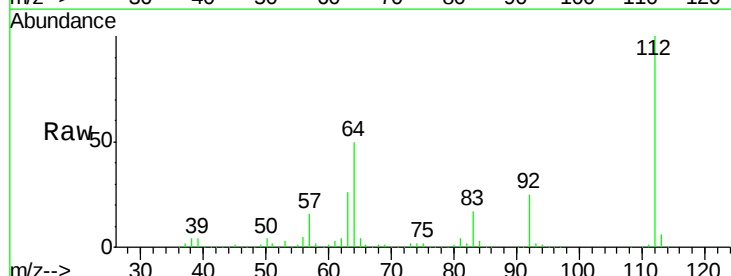
Tgt Ion:112 Resp: 1394074

Ion Ratio Lower Upper

112 100

64 50.1 36.6 55.0

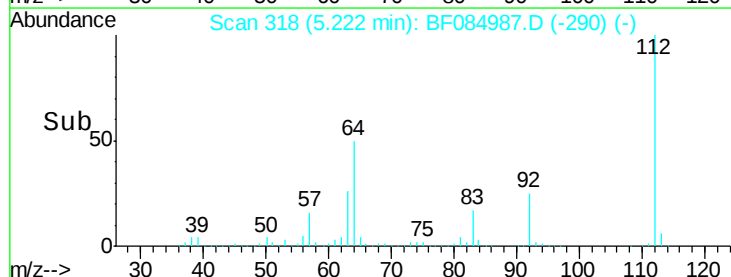
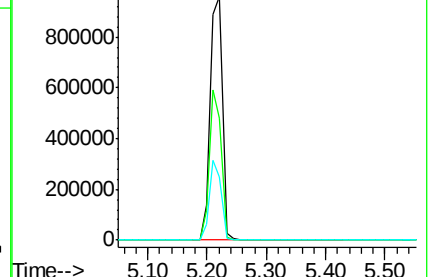
63 25.9 19.4 29.0

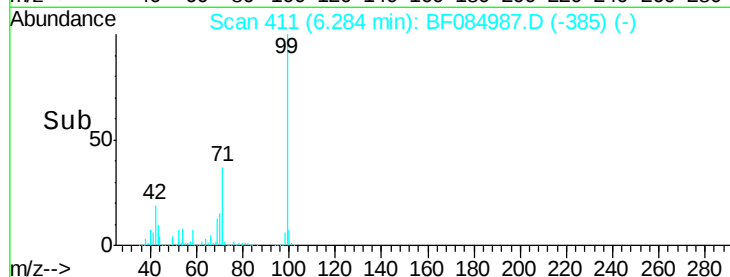
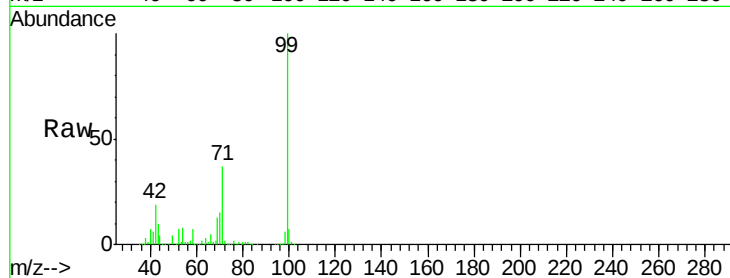


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.23 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

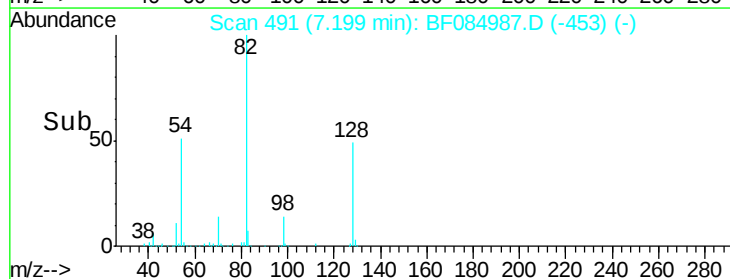
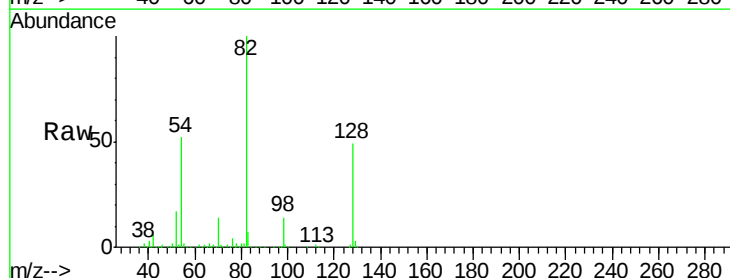
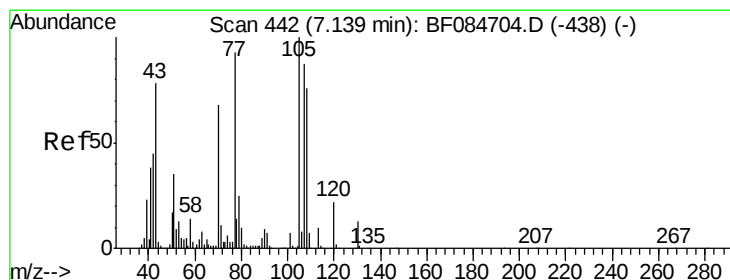
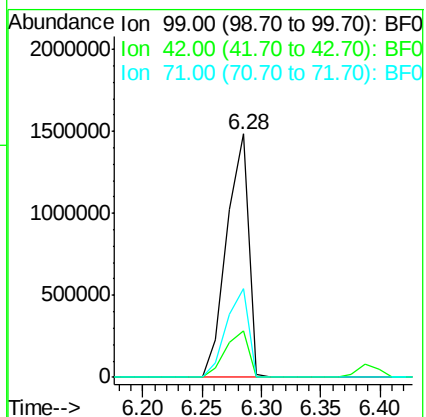
Tgt Ion: 99 Resp: 1895452

Ion Ratio Lower Upper

99 100

42 19.0 12.8 19.2

71 36.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 20.59 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Tgt Ion: 70 Resp: 166151

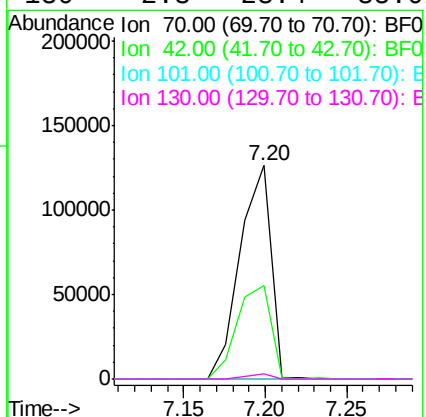
Ion Ratio Lower Upper

70 100

42 44.0 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

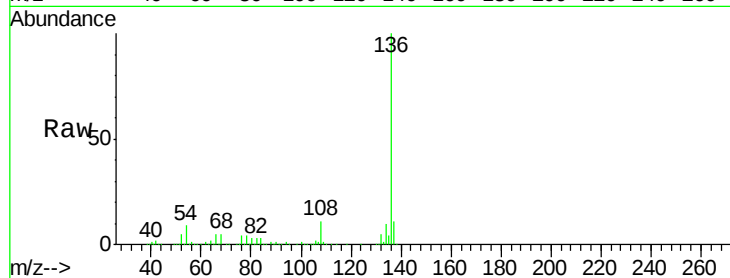




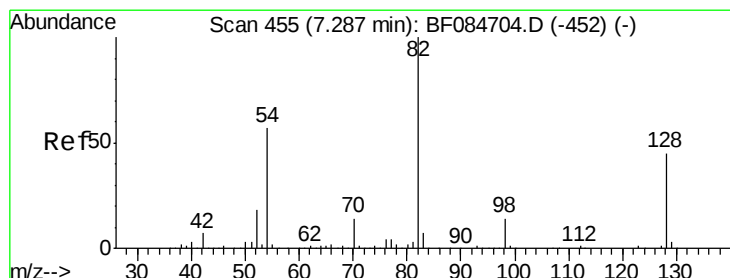
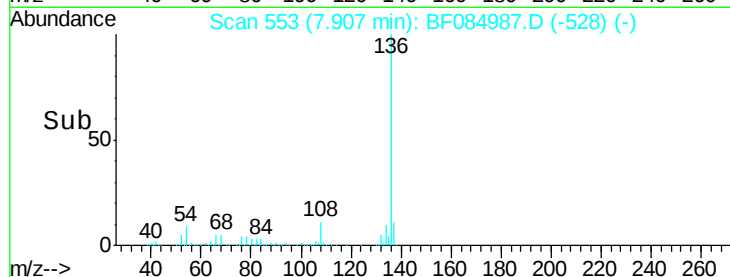
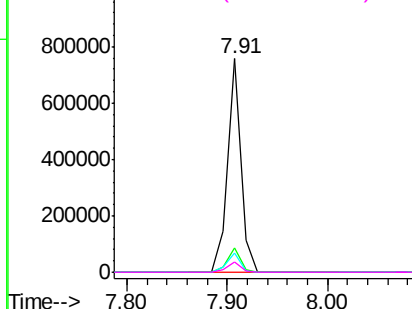
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

Tgt Ion:	136	Resp:	702073
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.0	5.8	8.8#
68	5.1	4.2	6.2

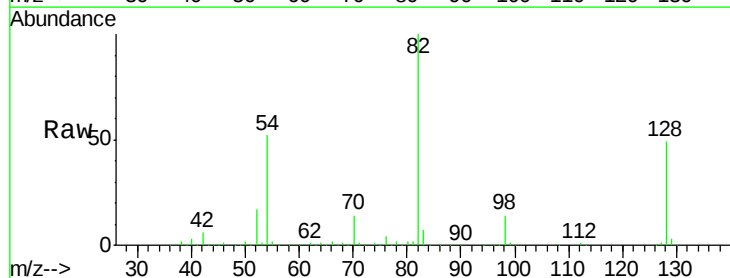


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

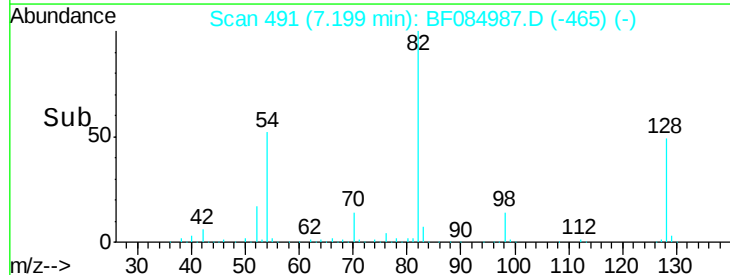
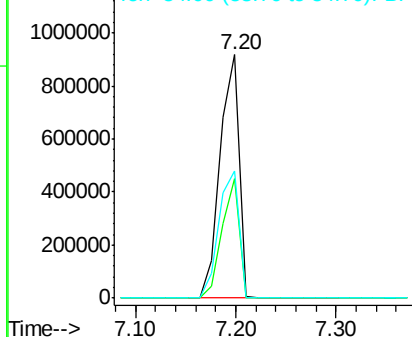


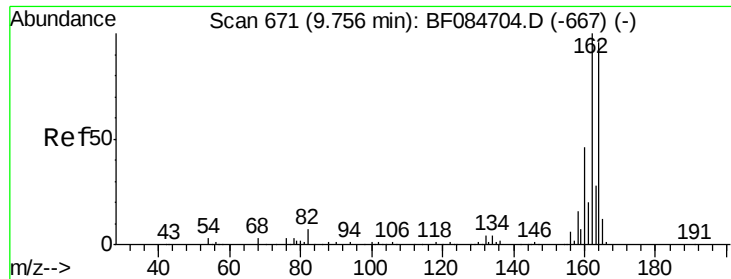
#23
Nitrobenzene-d5
Concen: 96.56 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Tgt Ion:	82	Resp:	1203469
Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.6	51.8
54	52.1	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# 706

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

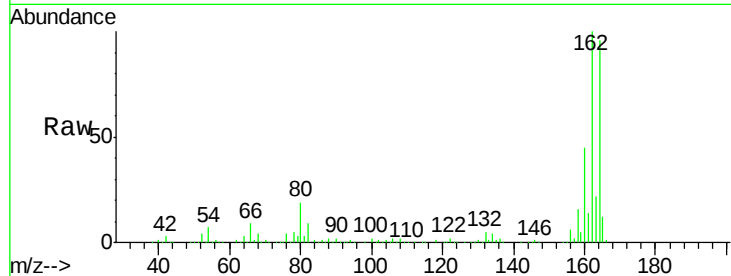
Tgt Ion:164 Resp: 335119

Ion Ratio Lower Upper

164 100

162 103.9 85.1 127.7

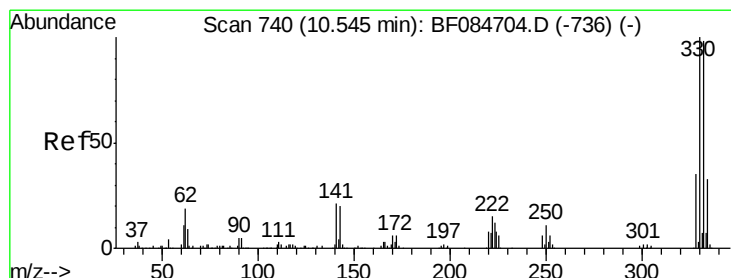
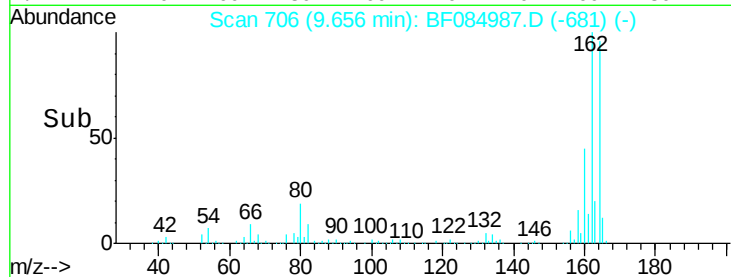
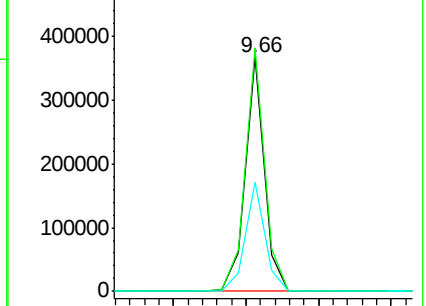
160 46.3 37.5 56.3



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: 124.61 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

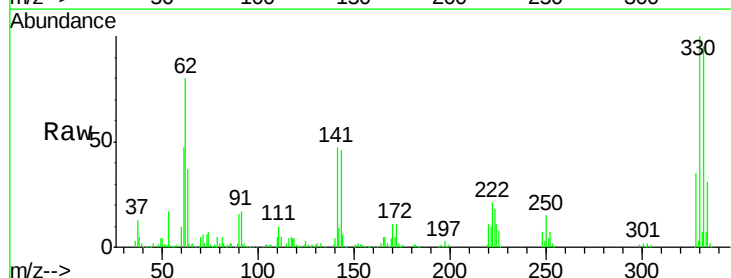
Tgt Ion:330 Resp: 435569

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

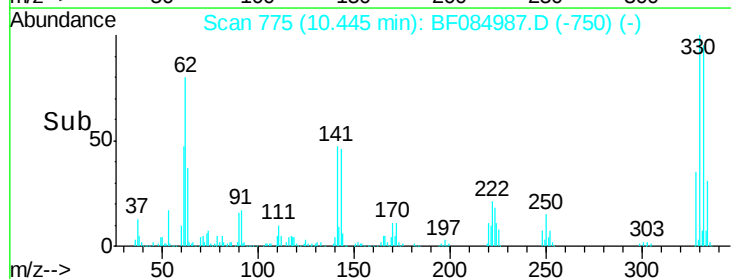
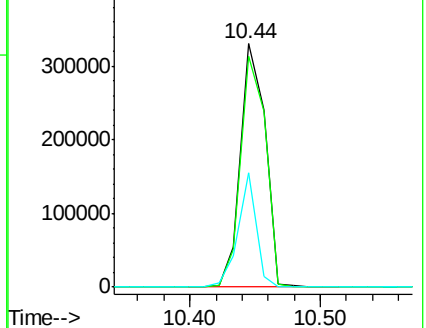
141 34.7 27.8 41.6

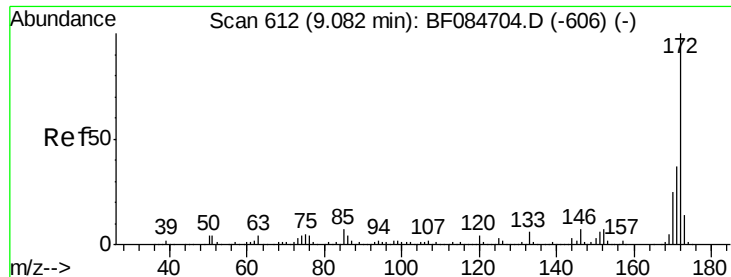


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

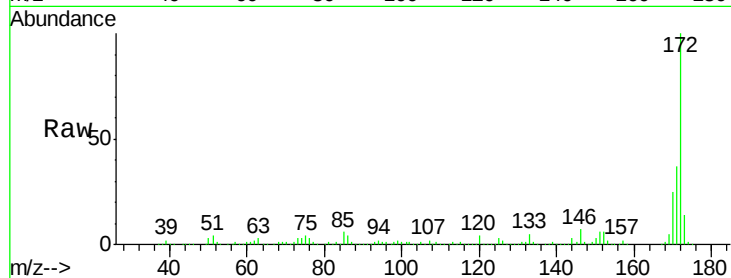




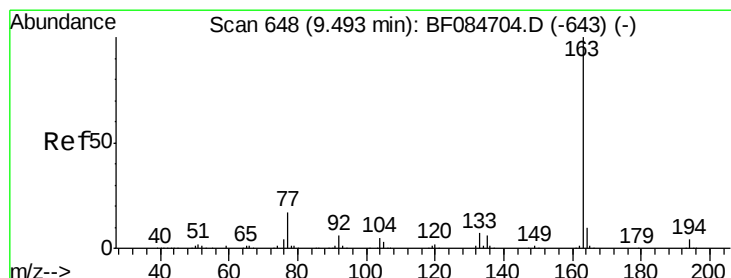
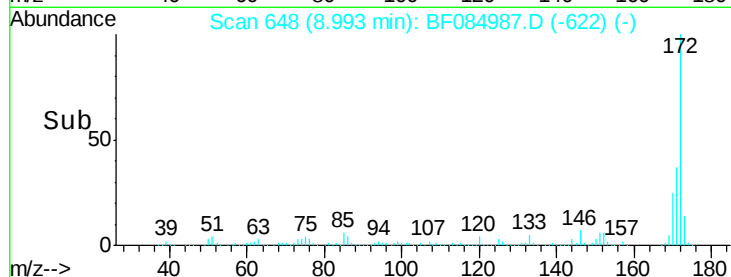
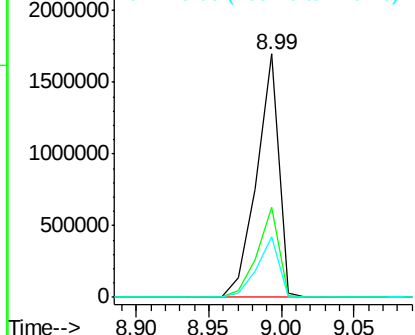
#44
2-Fluorobiphenyl
Concen: 92.97 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

Tgt Ion:172 Resp: 1791837
Ion Ratio Lower Upper
172 100
171 36.9 28.9 43.3
170 25.1 18.6 27.8

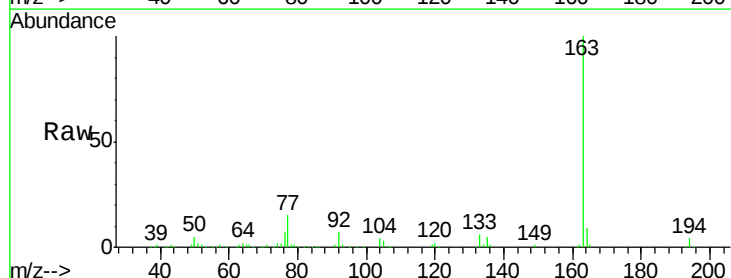


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

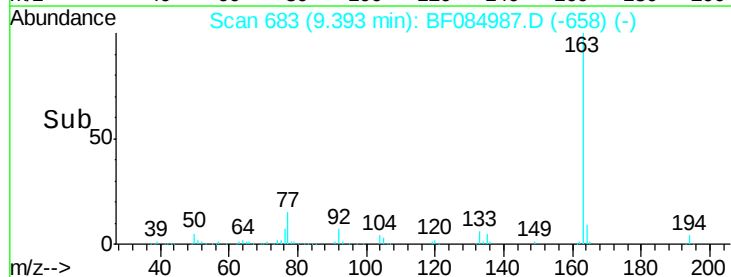
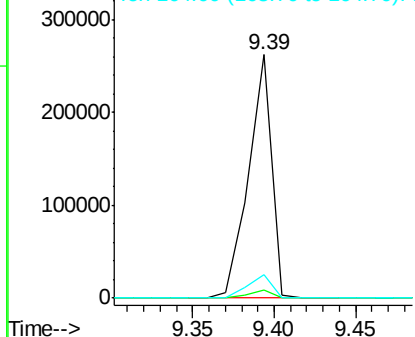


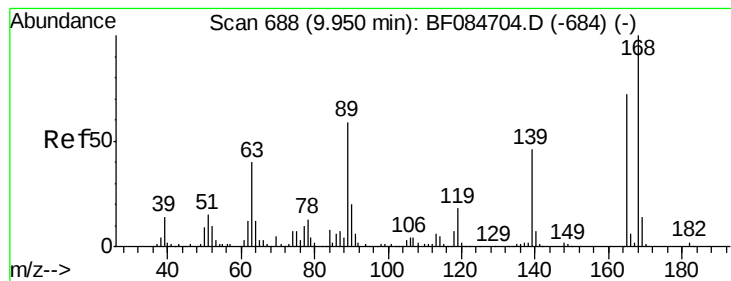
#49
Dimethylphthalate
Concen: 10.07 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Tgt Ion:163 Resp: 257040
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 9.5 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: 5.95 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.22 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

Tgt Ion:165 Resp: 42292

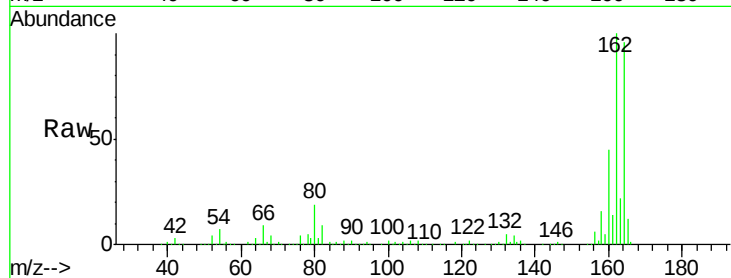
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

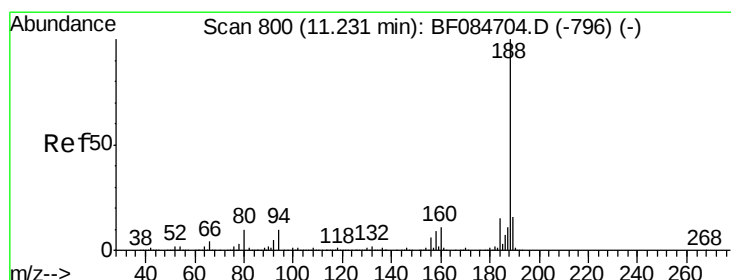
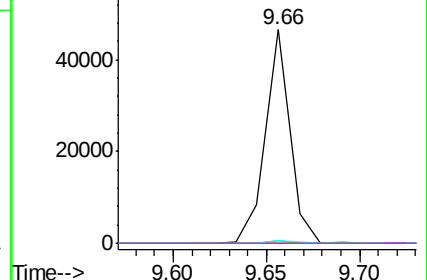
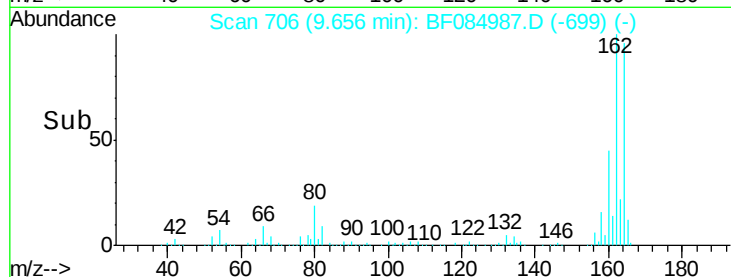


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

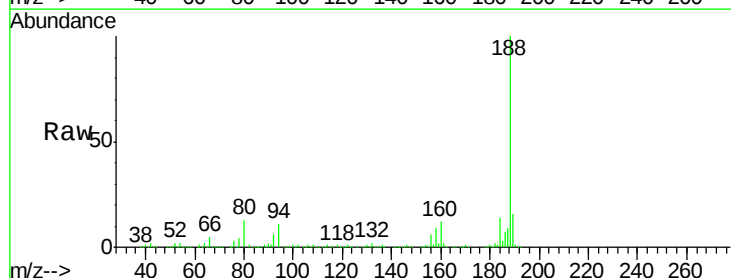
Tgt Ion:188 Resp: 593601

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

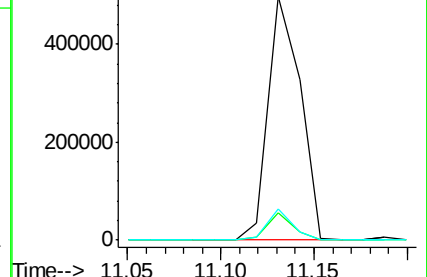
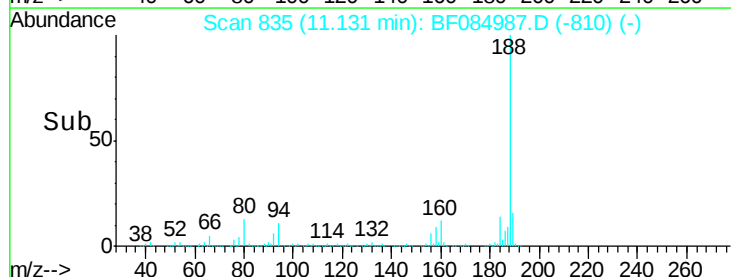
80 12.9 9.6 14.4

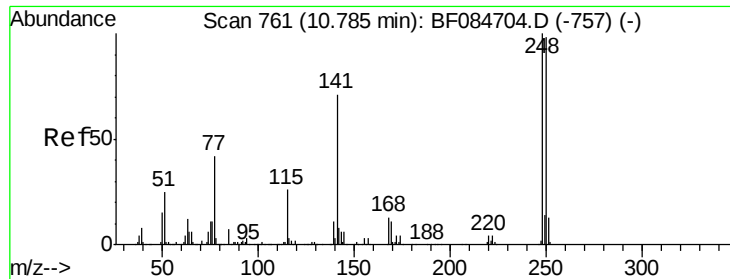


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

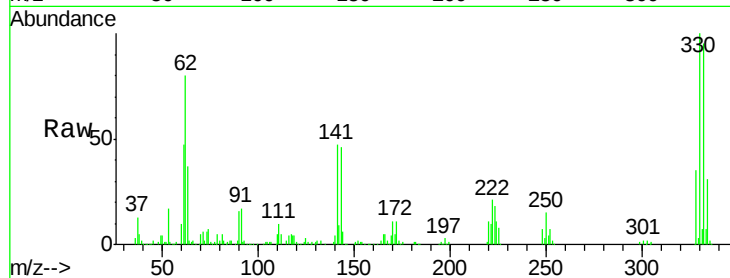




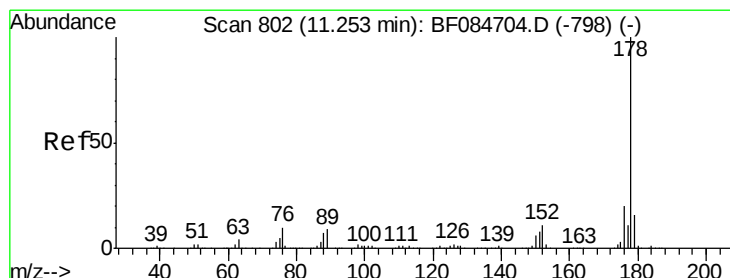
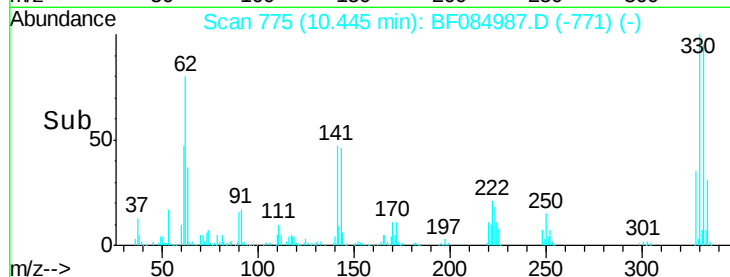
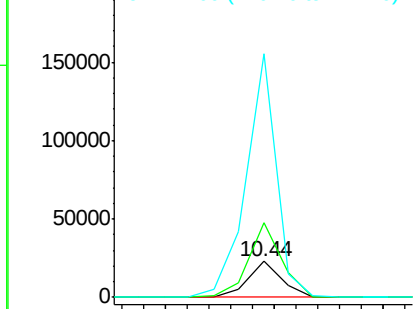
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

Tgt Ion:248 Resp: 24903
Ion Ratio Lower Upper
248 100
250 208.6 78.4 117.6#
141 675.1 44.0 66.0#

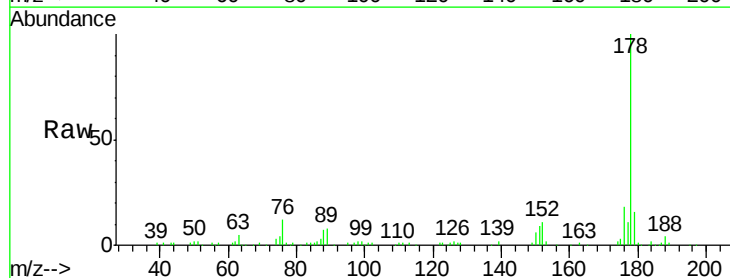


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

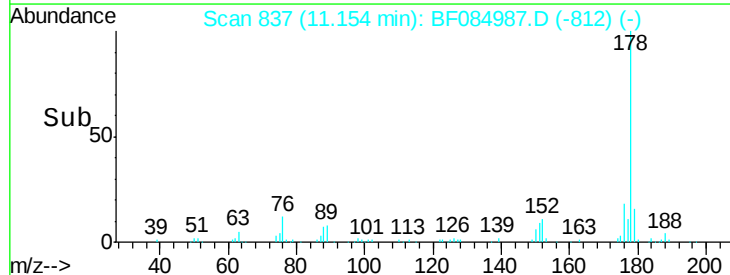
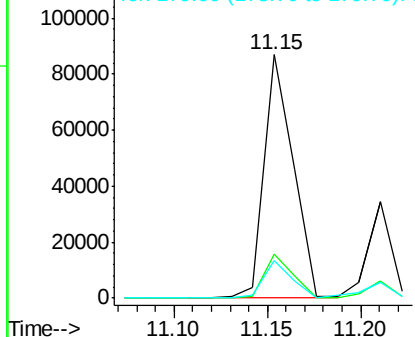


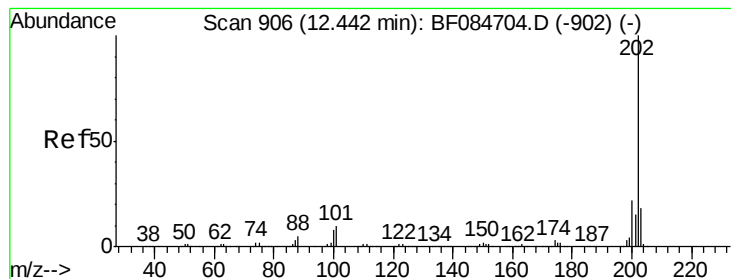
#70
Phenanthrene
Concen: 2.88 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Tgt Ion:178 Resp: 94721
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.6 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: 7.62 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

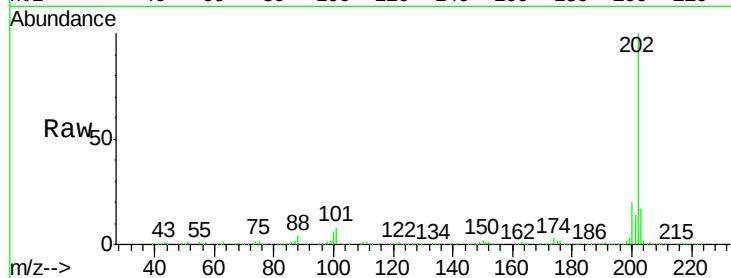
Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

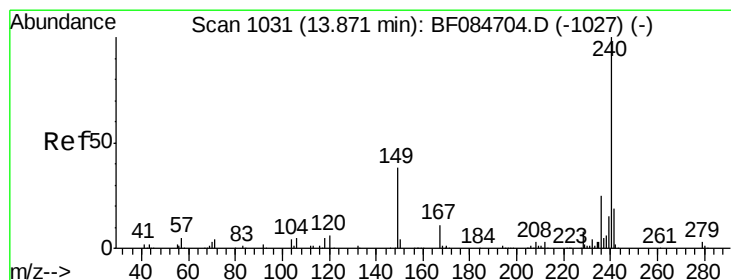
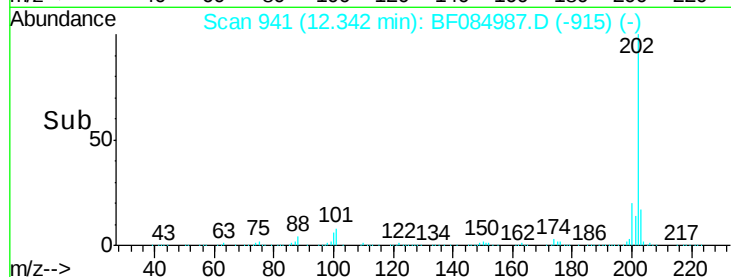
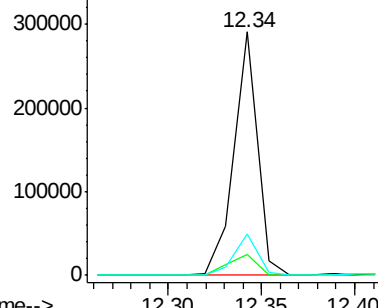
Tgt Ion:	202	Resp:	253792
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	32.8
203	16.8	0.0	37.9



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

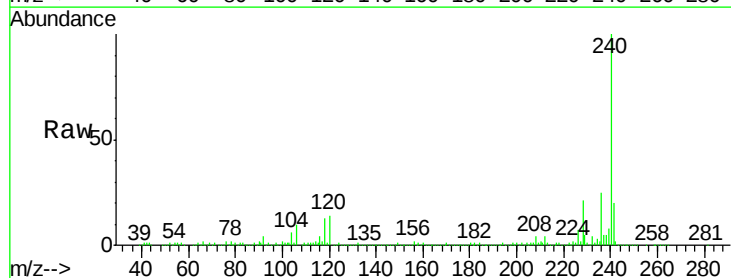
RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

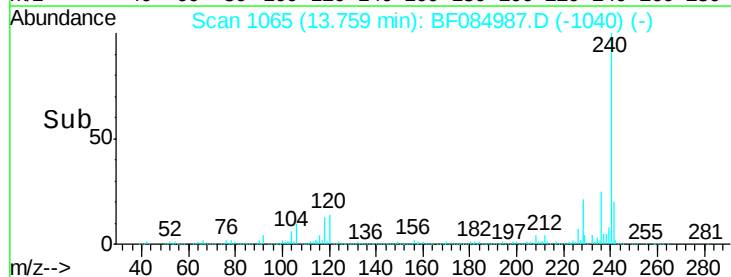
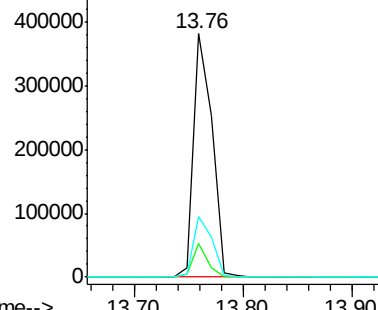
Tgt Ion:	240	Resp:	455985
Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.1	20.6	31.0

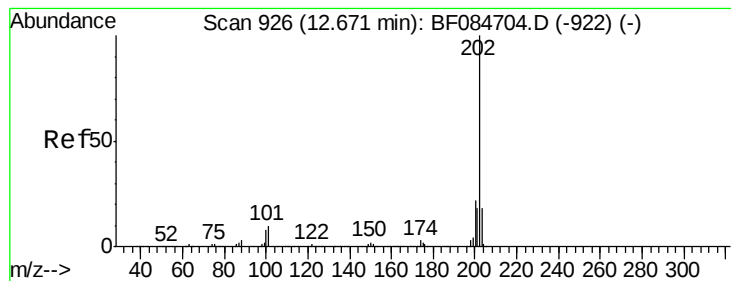


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.80 ng

RT: 12.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

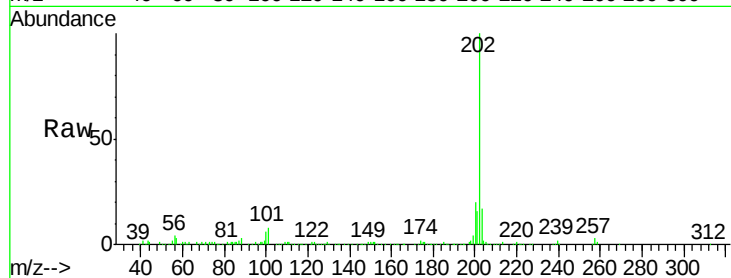
Tgt Ion:202 Resp: 237312

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

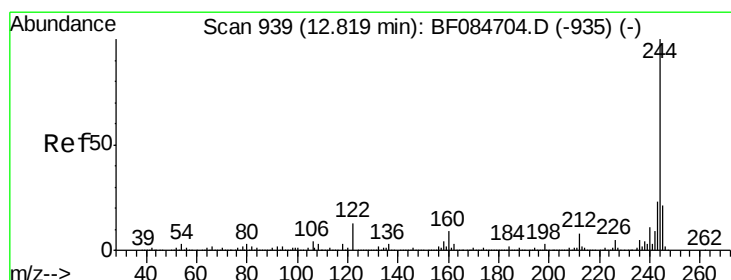
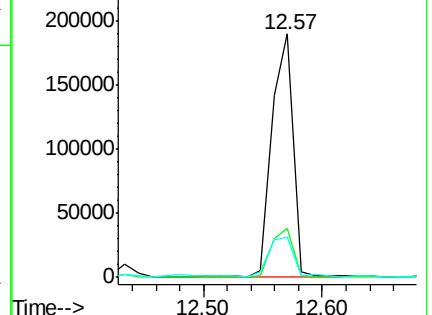
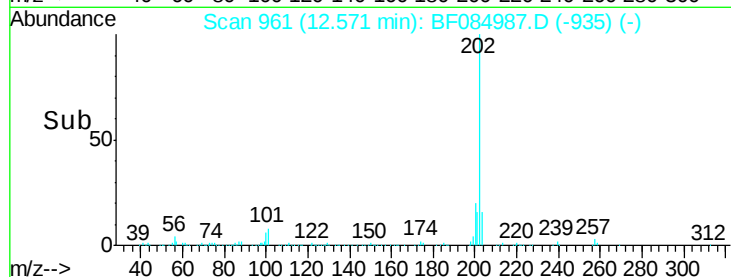
203 16.5 14.3 21.5



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: 80.61 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

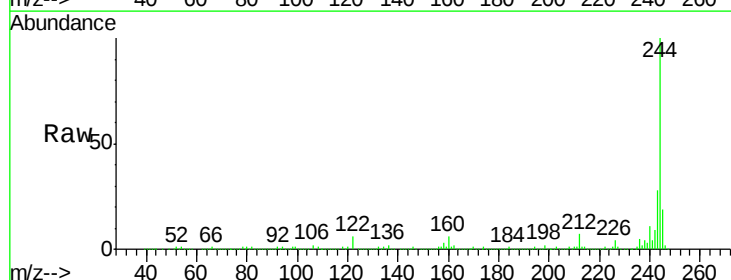
Tgt Ion:244 Resp: 1622048

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

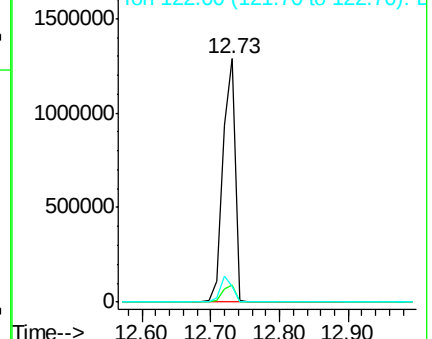
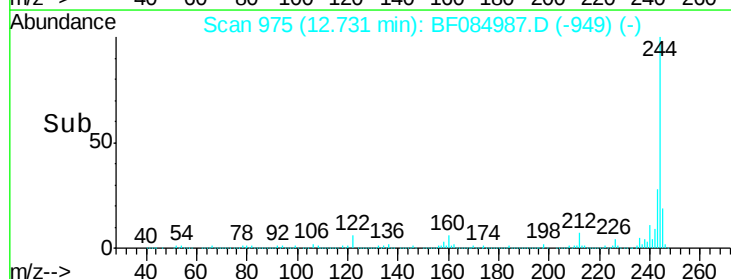
122 6.3 7.4 11.0#

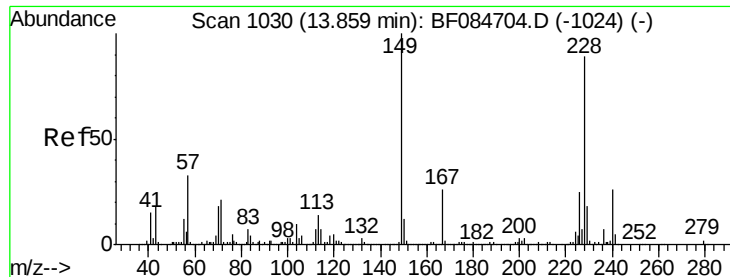


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.97 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

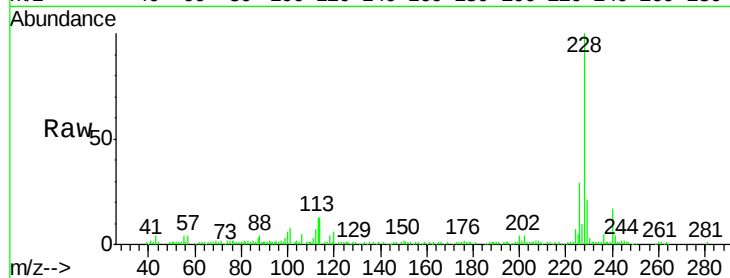
Tgt Ion:228 Resp: 140670

Ion Ratio Lower Upper

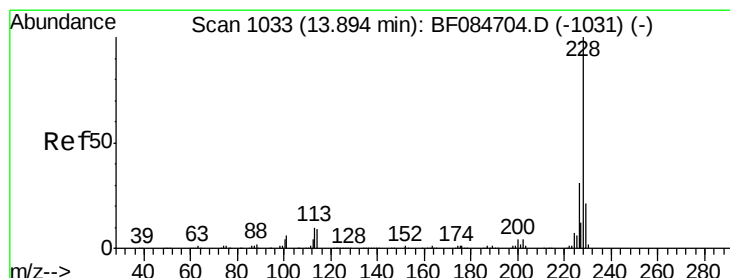
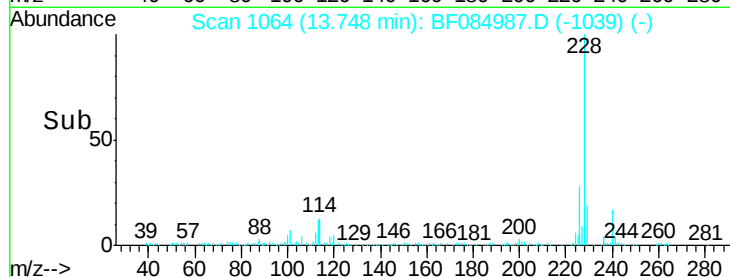
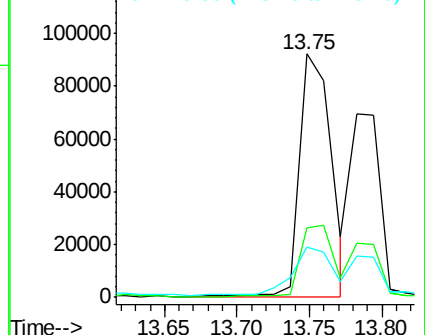
228 100

226 28.7 21.8 32.6

229 20.7 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: 5.13 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

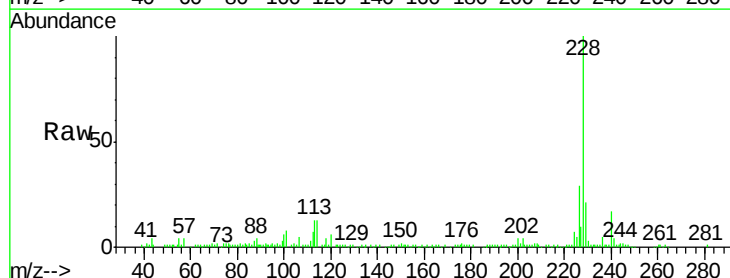
Tgt Ion:228 Resp: 140670

Ion Ratio Lower Upper

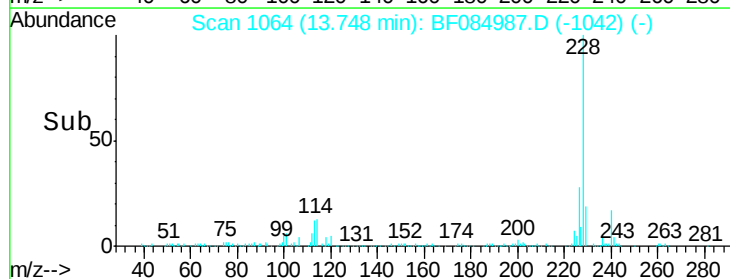
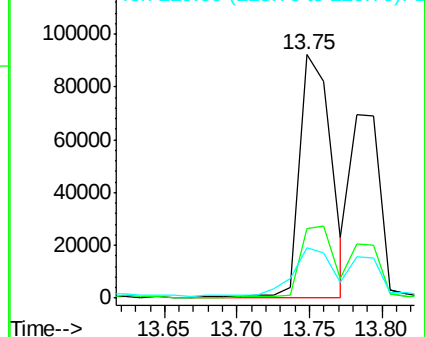
228 100

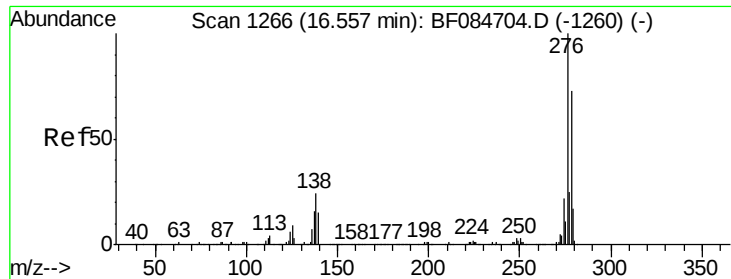
226 28.7 24.3 36.5

229 20.7 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.24 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

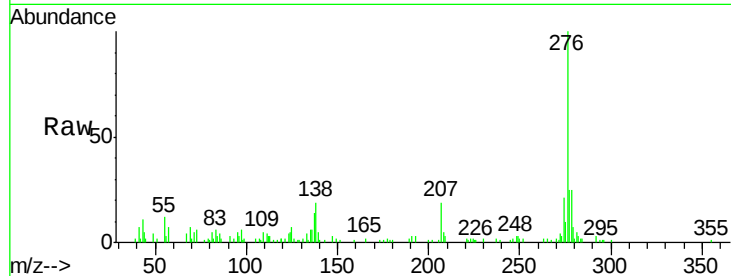
Tgt Ion:276 Resp: 48294

Ion Ratio Lower Upper

276 100

138 25.2 20.6 30.8

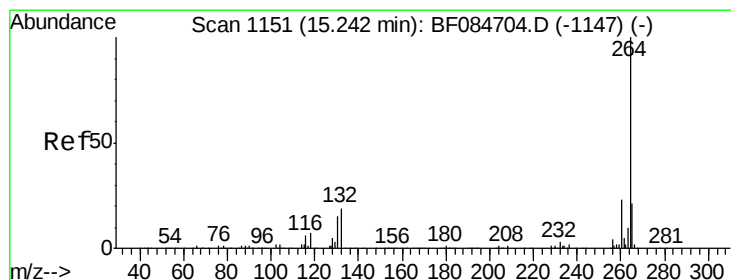
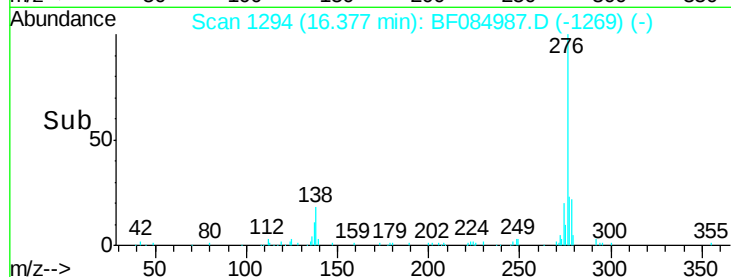
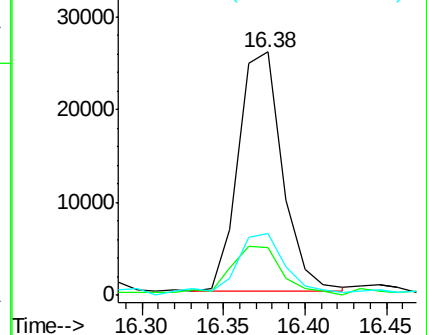
277 30.4 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

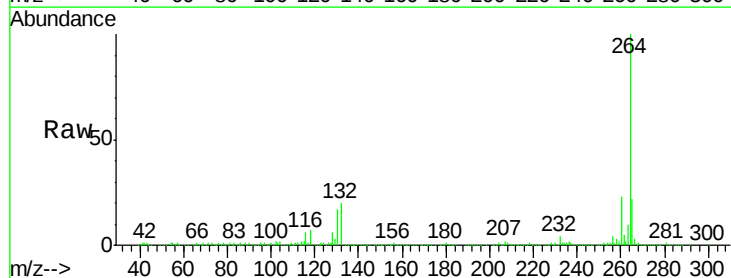
Tgt Ion:264 Resp: 365184

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

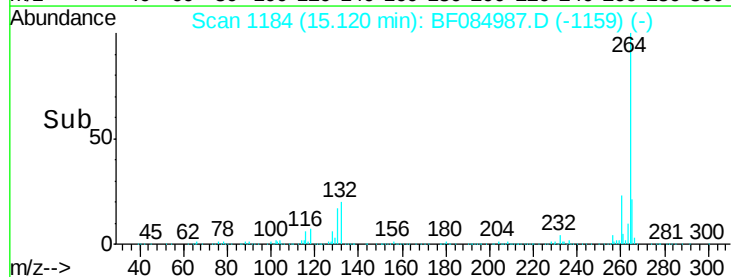
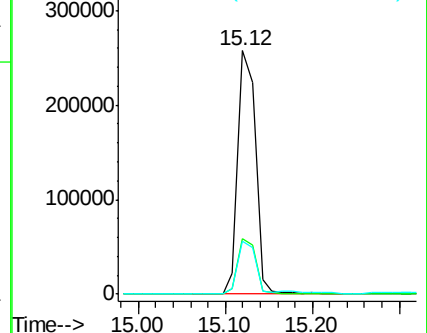
265 21.6 17.8 26.6

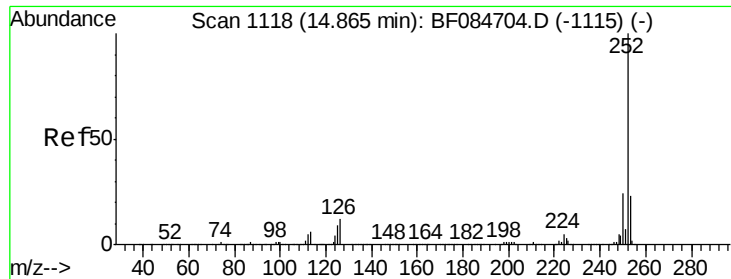


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

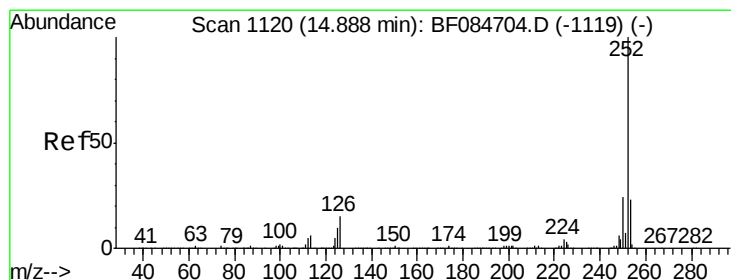
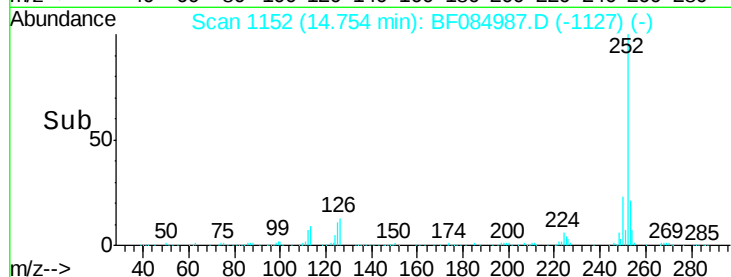
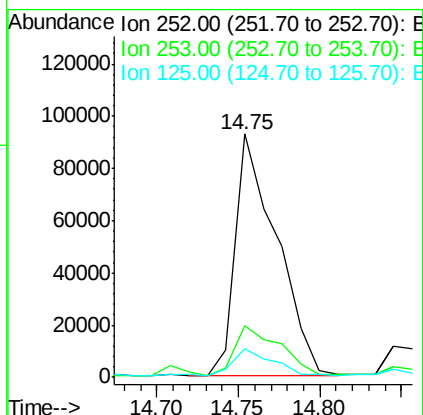
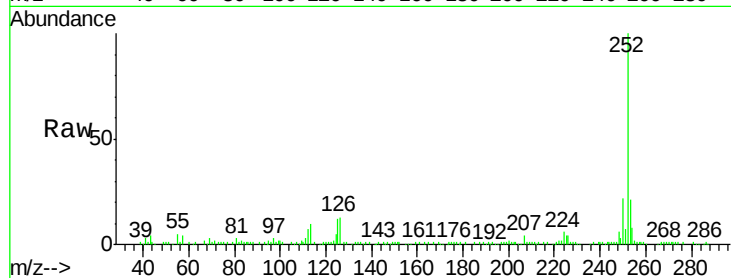




#87
Benzo(b)fluoranthene
Concen: 6.58 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

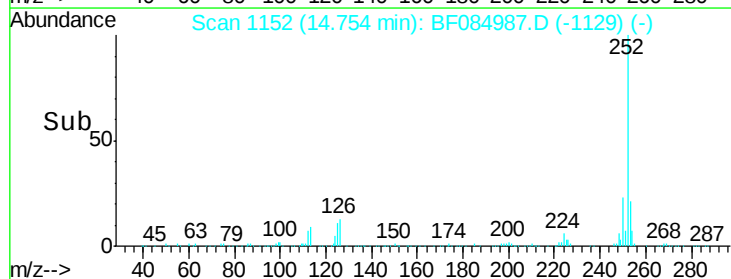
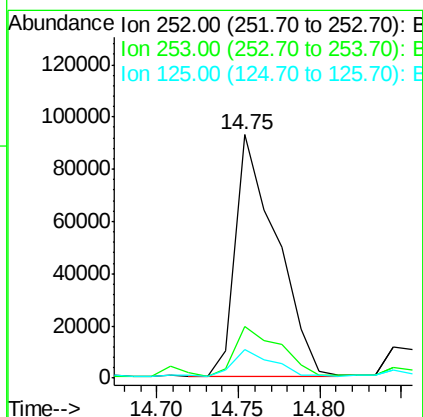
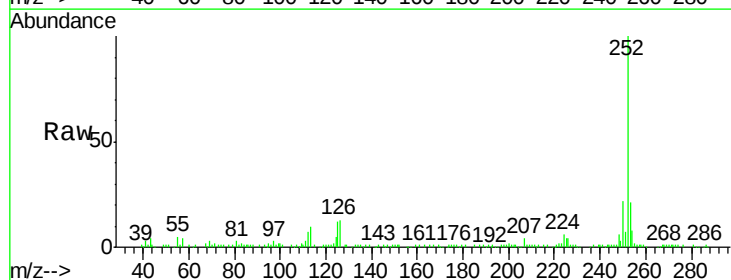
Instrument :
BNA_F
ClientSampleId :
S4-B006(21.5-23.5)

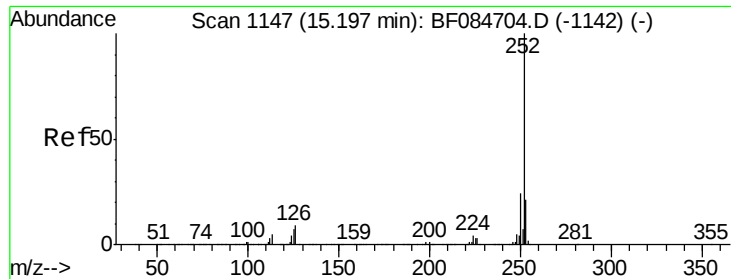
Tgt Ion: 252 Resp: 161408
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 11.8 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 7.96 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF084987.D
Acq: 10 Feb 2016 12:29

Tgt Ion: 252 Resp: 161408
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 11.8 9.0 13.6





#89

Benzo(a)pyrene

Concen: 4.14 ng

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

Instrument :

BNA_F

ClientSampleId :

S4-B006(21.5-23.5)

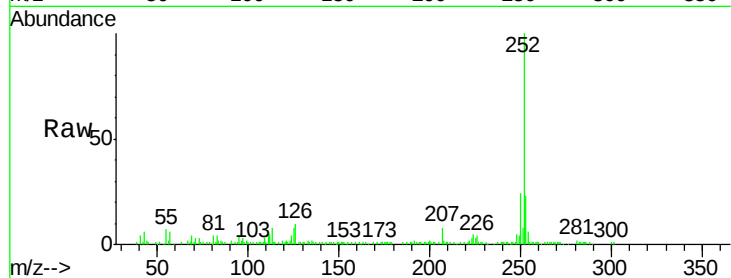
Tgt Ion:252 Resp: 86608

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

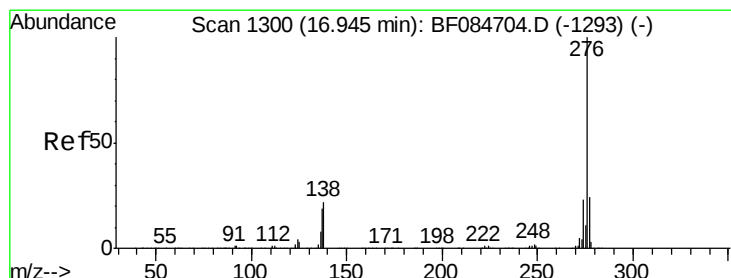
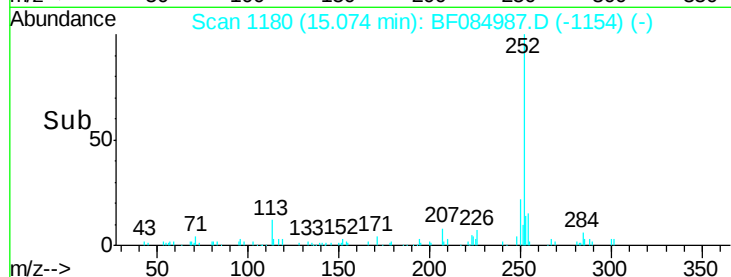
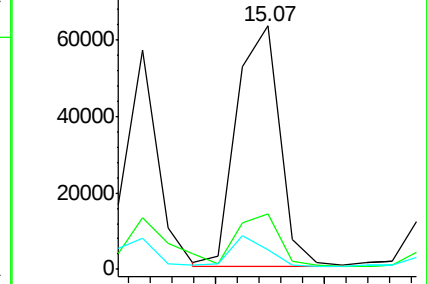
125 8.2 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.09 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF084987.D

Acq: 10 Feb 2016 12:29

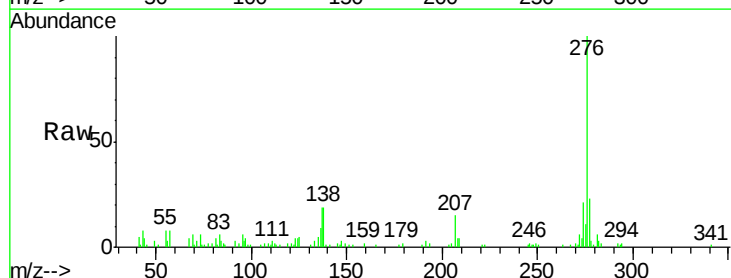
Tgt Ion:276 Resp: 54848

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 19.0 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

