

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086186.D
 Acq On : 8 Apr 2016 23:41
 Operator : UM/SJ
 Sample : H2283-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

Quant Time: Apr 09 00:43:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123272	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	473299	20.00	ng	-0.06
38) Acenaphthene-d10	9.77	164	198355	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	346556	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	230174	20.00	ng	-0.05
86) Perylene-d12	15.28	264	211531	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	977185	135.50	ng	-0.03
7) Phenol-d6	6.38	99	1283726	140.14	ng	-0.03
23) Nitrobenzene-d5	7.30	82	747678	93.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	265448	142.58	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1272655	106.68	ng	-0.05
78) Terphenyl-d14	12.83	244	946661	96.68	ng	-0.05

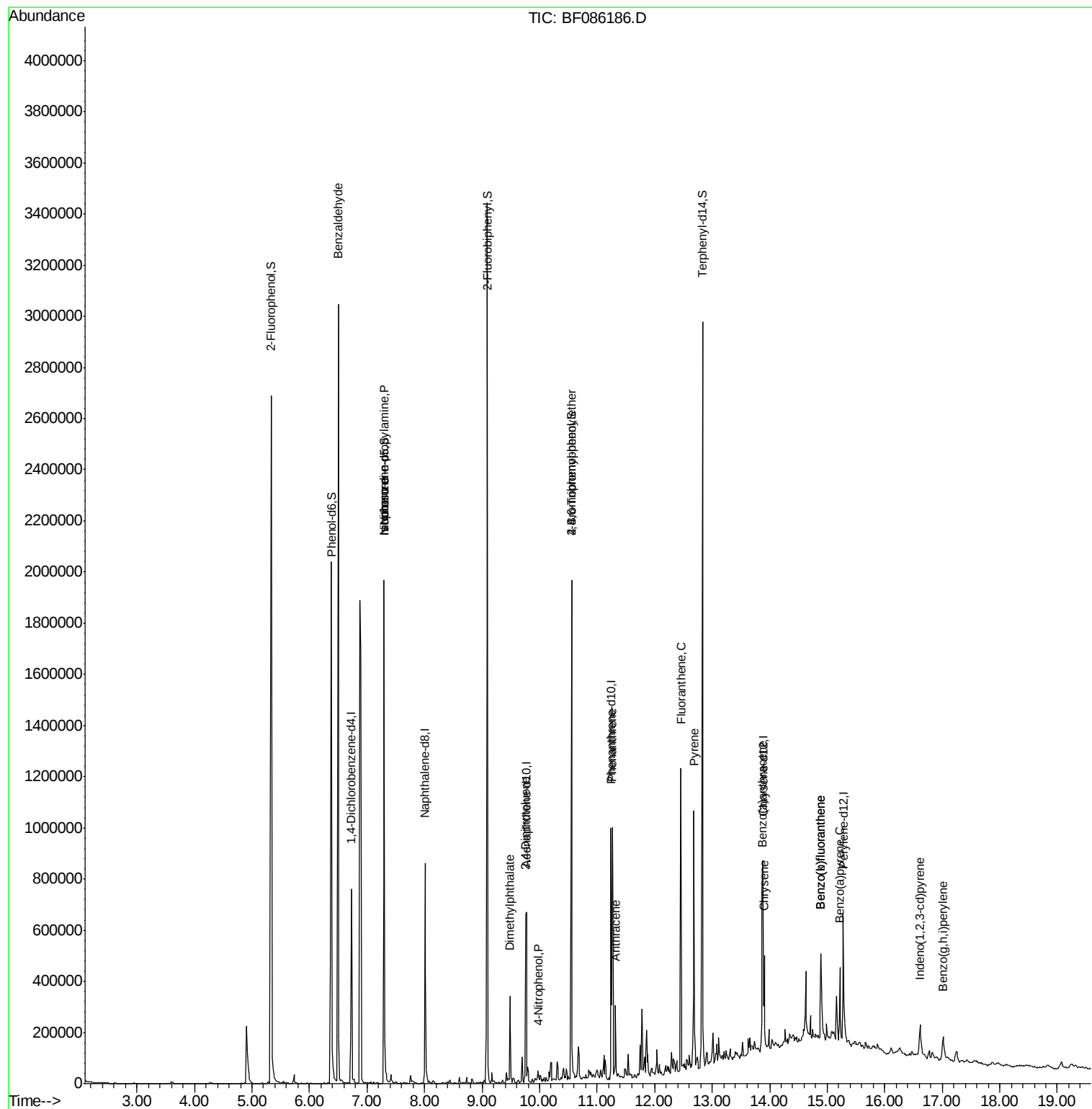
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	20546	4.17	ng	89
19) n-Nitroso-di-n-propylamine	7.30	70	99268	17.48	ng	# 78
25) Isophorone	7.30	82	741468	46.80	ng	# 68
49) Dimethylphthalate	9.48	163	177926	12.10	ng	# 99
55) 4-Nitrophenol	9.97	139	7236	3.27	ng	# 10
56) 2,4-Dinitrotoluene	9.76	165	25246	6.42	ng	# 37
66) 4-Bromophenyl-phenylether	10.56	248	17694	5.00	ng	# 1
70) Phenanthrene	11.26	178	379819	20.09	ng	99
71) Anthracene	11.32	178	115630	5.84	ng	98
74) Fluoranthene	12.45	202	449520	22.86	ng	97
77) Pyrene	12.68	202	391760	24.15	ng	99
80) Benzo(a)anthracene	13.87	228	179893	13.26	ng	99
82) Chrysene	13.91	228	117098	8.96	ng	98
85) Indeno(1,2,3-cd)pyrene	16.61	276	71032	6.70	ng	94
87) Benzo(b)fluoranthene	14.89	252	218740	16.44	ng	100
88) Benzo(k)fluoranthene	14.89	252	218740	18.56	ng	# 97
89) Benzo(a)pyrene	15.22	252	125954	10.68	ng	98
91) Benzo(g,h,i)perylene	17.01	276	66323	7.22	ng	97

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

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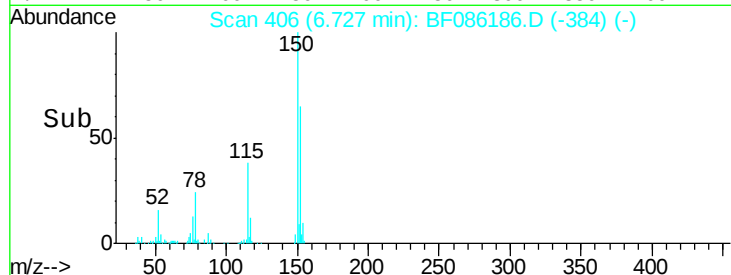
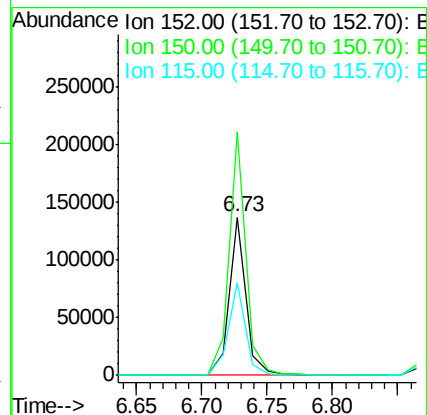
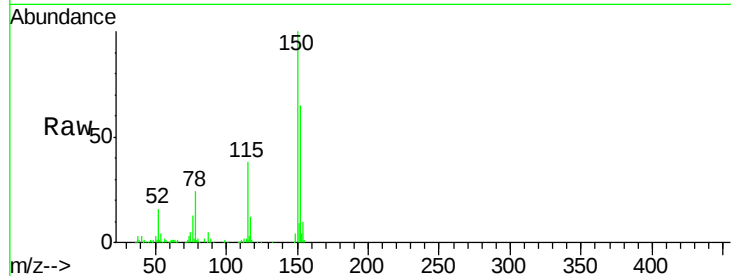


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.05 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

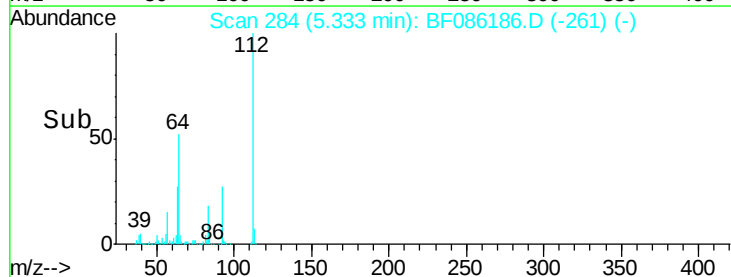
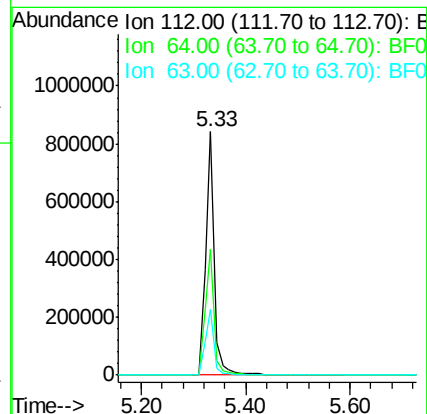
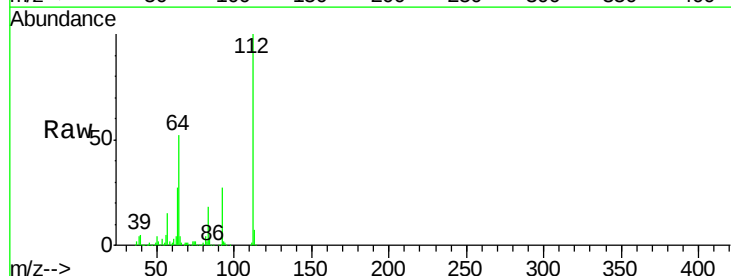
Tgt Ion:152 Resp: 123272
Ion Ratio Lower Upper
152 100
150 153.7 124.2 186.2
115 58.1 47.0 70.6



#5

2-Fluorophenol
Concen: 135.50 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.03 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion:112 Resp: 977185
Ion Ratio Lower Upper
112 100
64 51.9 39.9 59.9
63 26.8 20.2 30.2





#7

Phenol-d6

Concen: 140.14 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

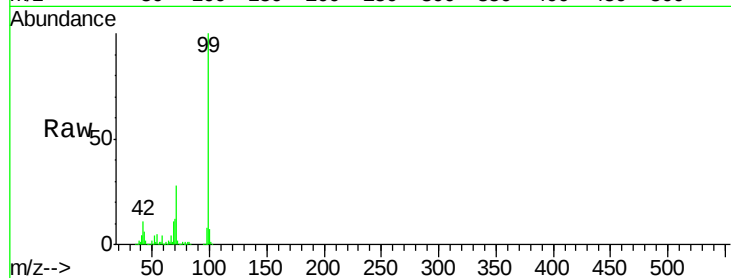
Tgt Ion: 99 Resp: 1283726

Ion Ratio Lower Upper

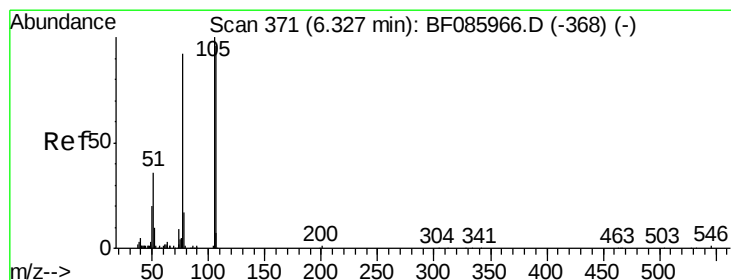
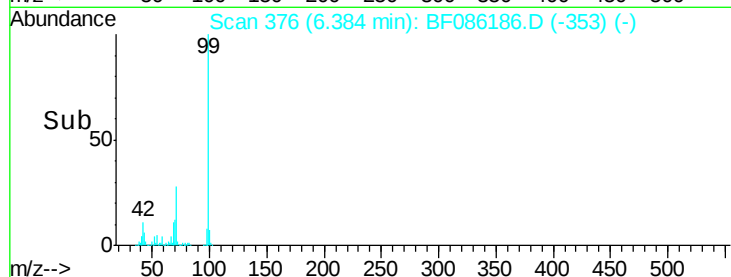
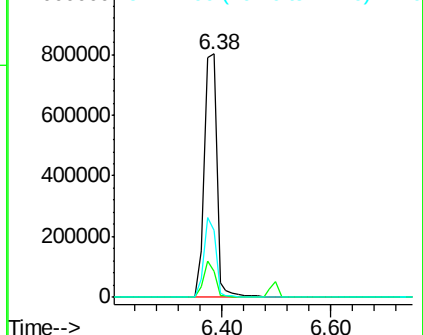
99 100

42 10.8 11.1 16.7#

71 27.7 24.9 37.3



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: 4.17 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

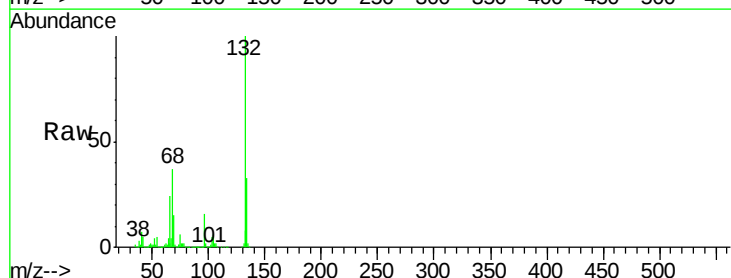
Tgt Ion: 77 Resp: 20546

Ion Ratio Lower Upper

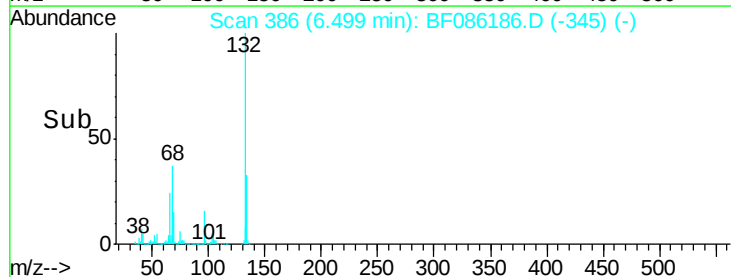
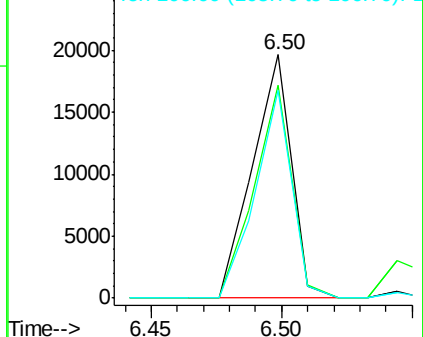
77 100

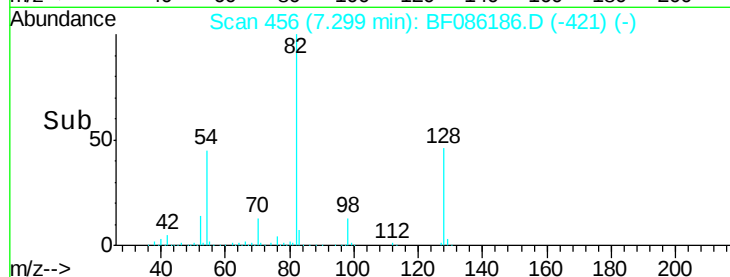
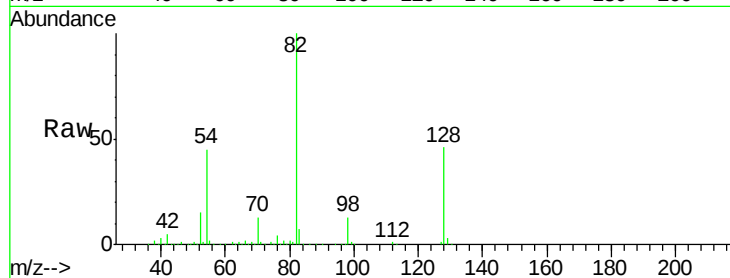
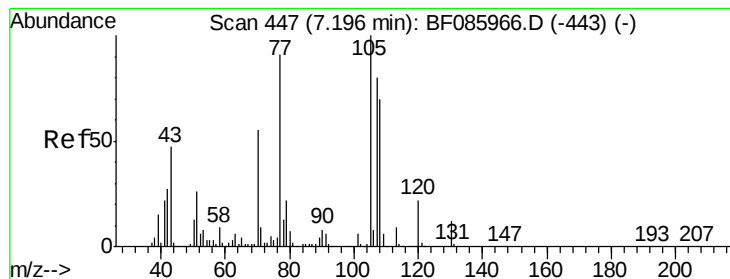
105 87.3 80.1 120.1

106 85.5 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.48 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.10 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

Tgt Ion: 70 Resp: 99268

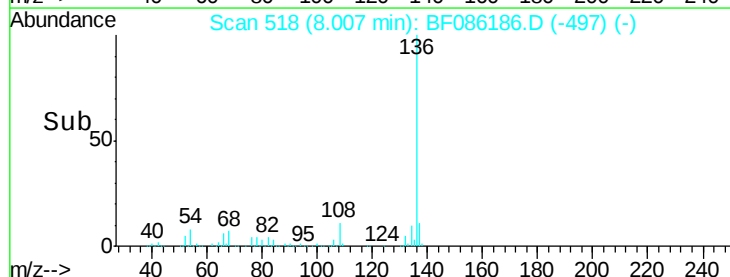
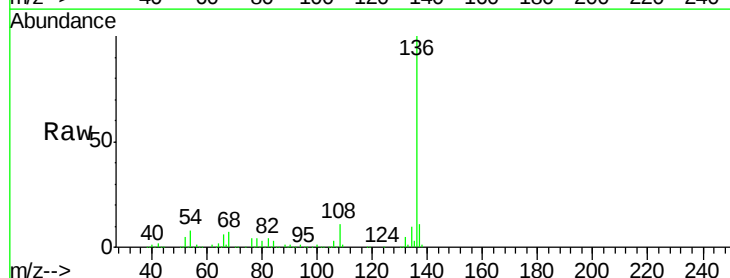
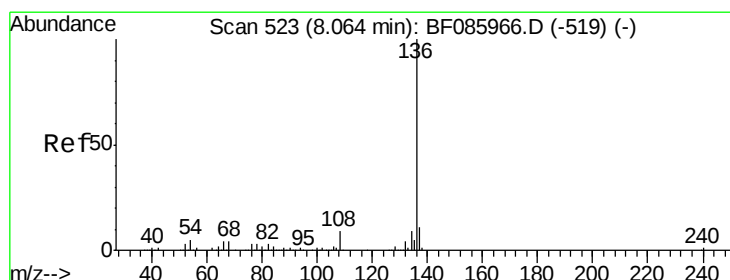
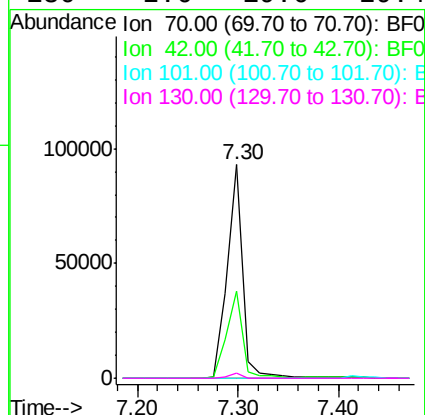
Ion Ratio Lower Upper

70 100

42 41.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Tgt Ion: 136 Resp: 473299

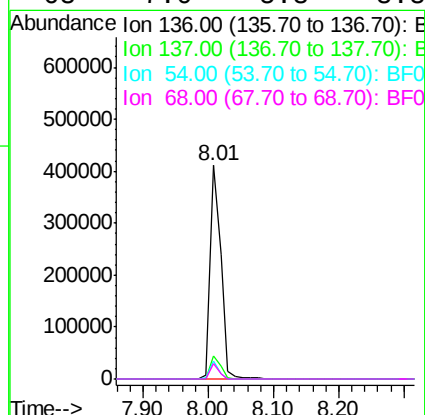
Ion Ratio Lower Upper

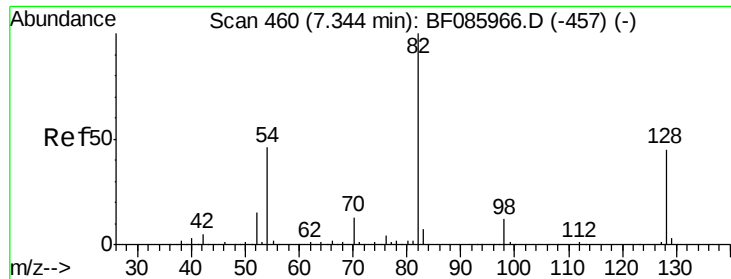
136 100

137 11.1 9.1 13.7

54 8.4 7.4 11.0

68 7.0 5.8 8.8

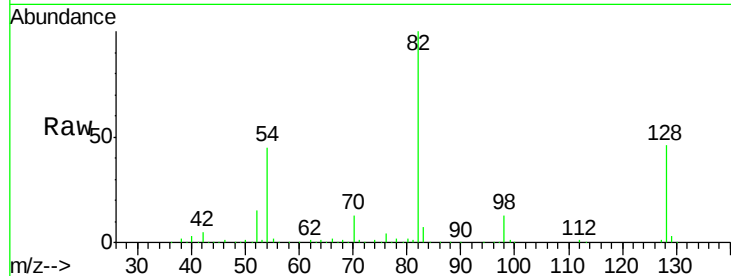




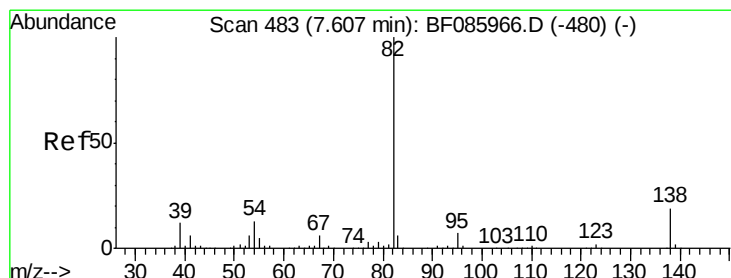
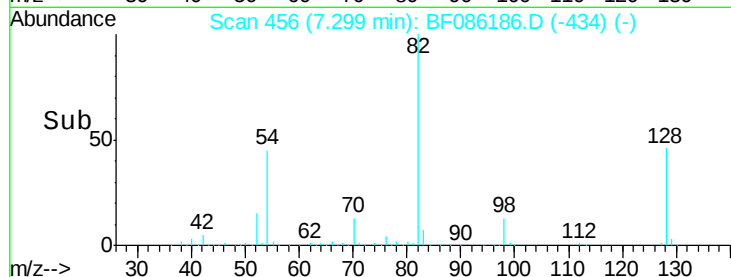
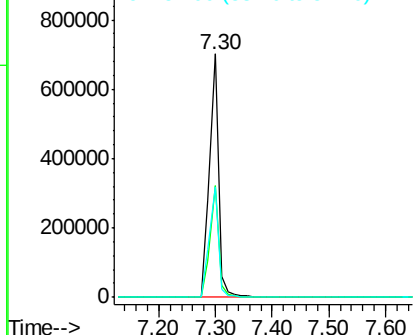
#23
 Nitrobenzene-d5
 Concen: 93.16 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

Tgt Ion: 82 Resp: 747678
 Ion Ratio Lower Upper
 82 100
 128 45.9 41.8 62.8
 54 45.3 33.4 50.0

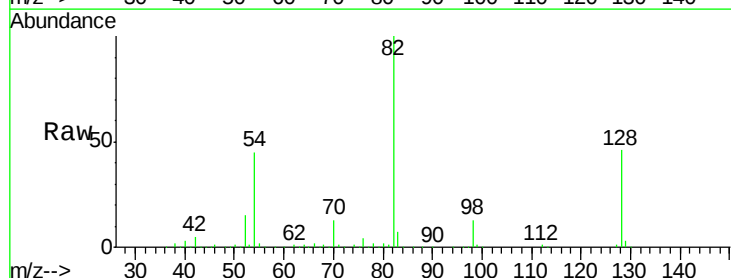


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

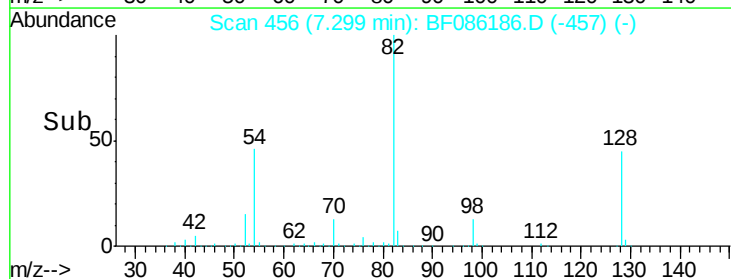
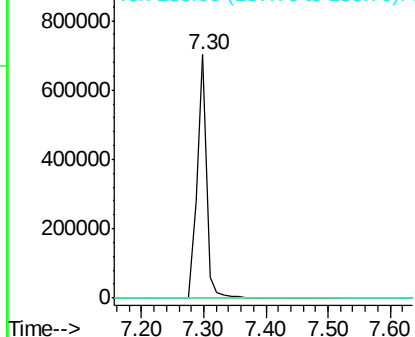


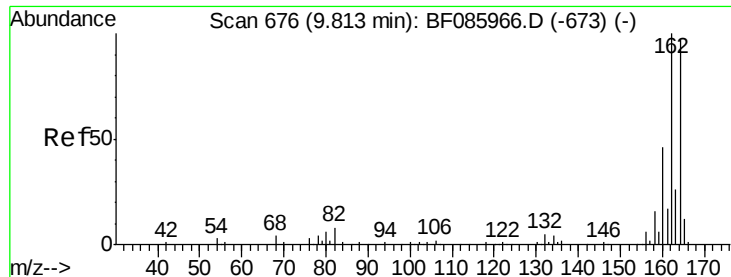
#25
 Isophorone
 Concen: 46.80 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.31 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Tgt Ion: 82 Resp: 741468
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

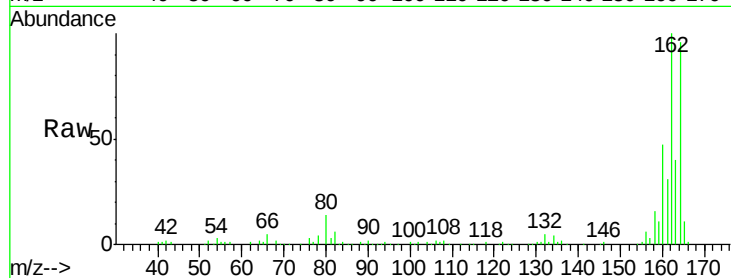
Tgt Ion:164 Resp: 198355

Ion Ratio Lower Upper

164 100

162 104.1 82.1 123.1

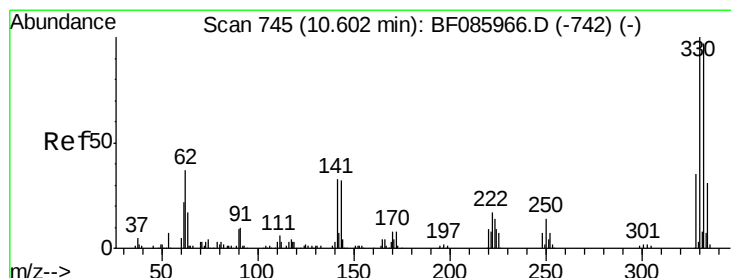
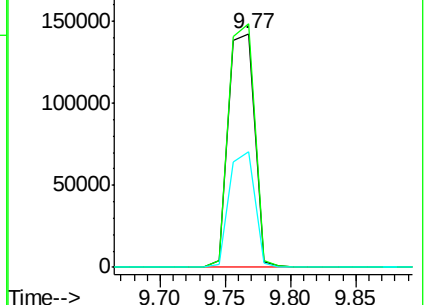
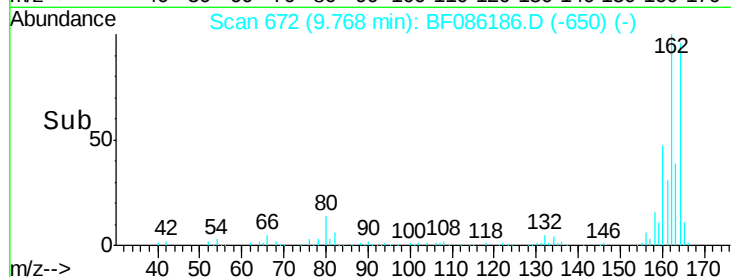
160 49.3 37.4 56.2



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: 142.58 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

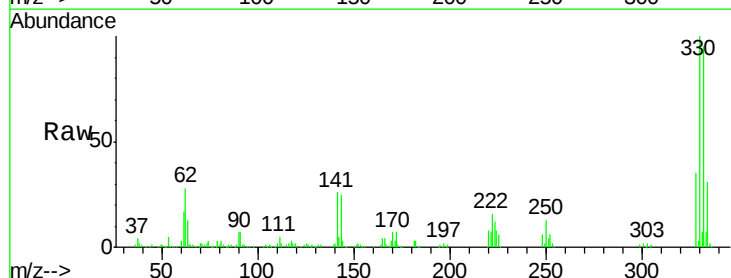
Tgt Ion:330 Resp: 265448

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

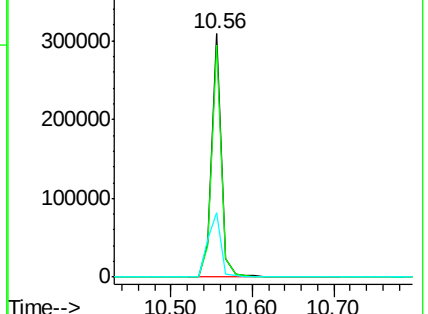
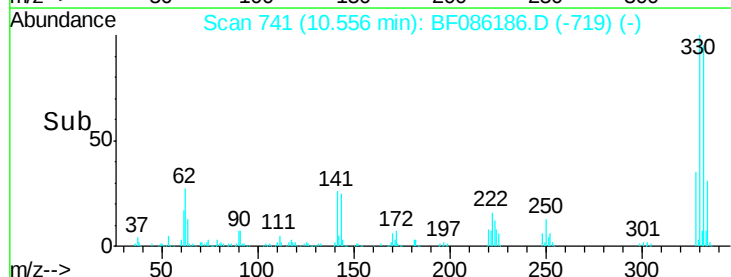
141 36.5 31.5 47.3

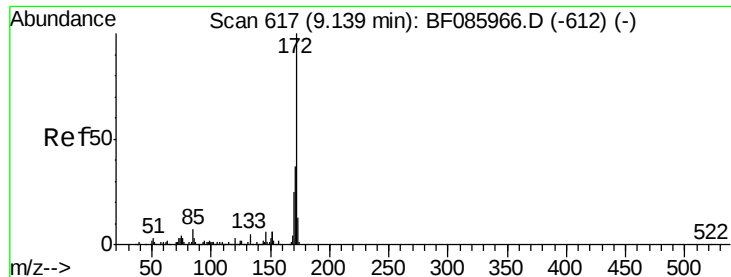


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 106.68 ng

RT: 9.09 min Scan# 613

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

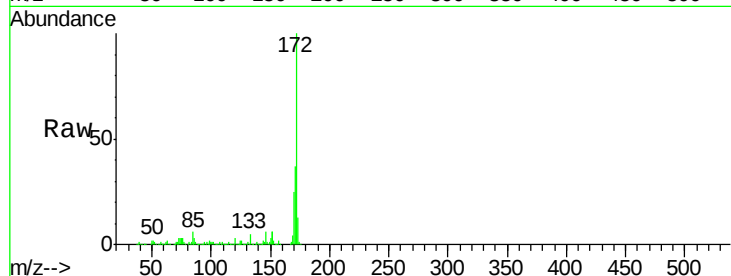
Tgt Ion:172 Resp: 1272655

Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.2

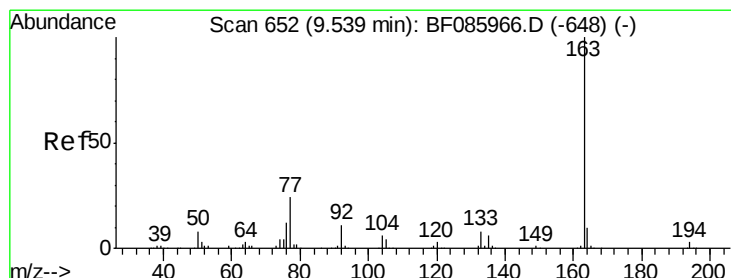
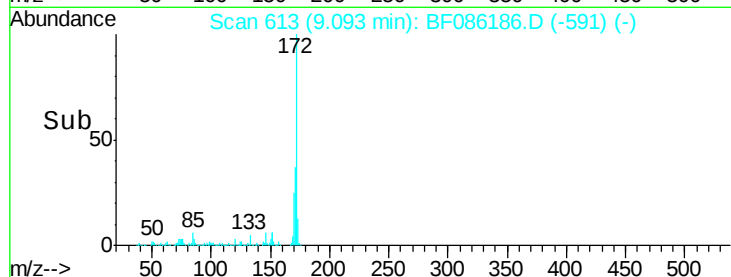
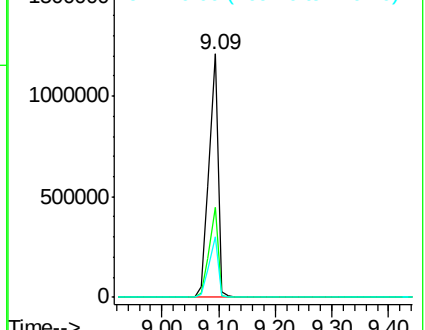
170 24.8 19.8 29.6



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: 12.10 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

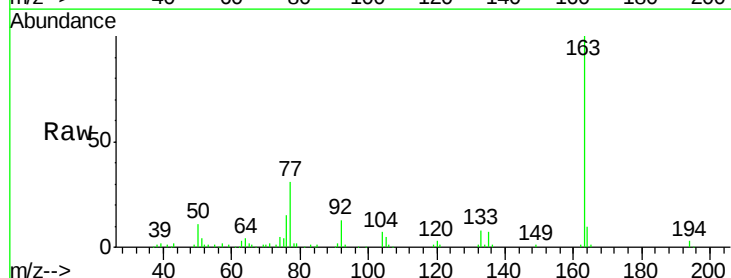
Tgt Ion:163 Resp: 177926

Ion Ratio Lower Upper

163 100

194 2.8 2.9 4.3#

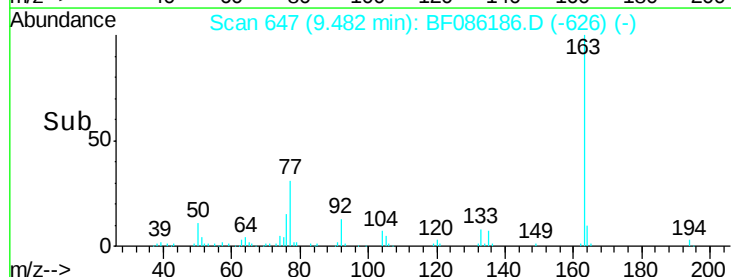
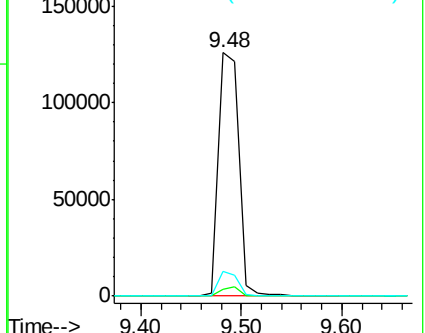
164 10.4 8.3 12.5

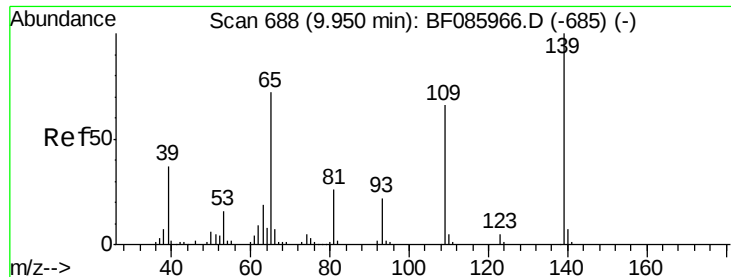


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

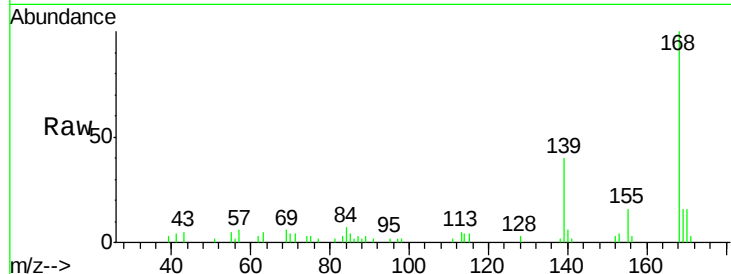




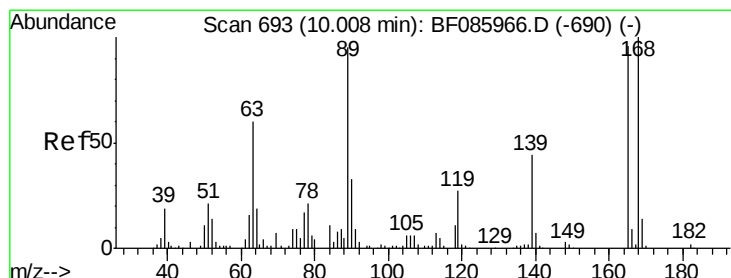
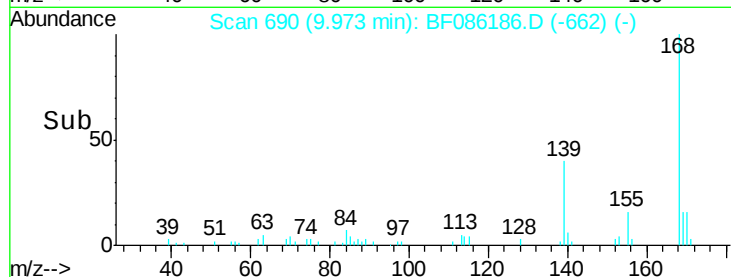
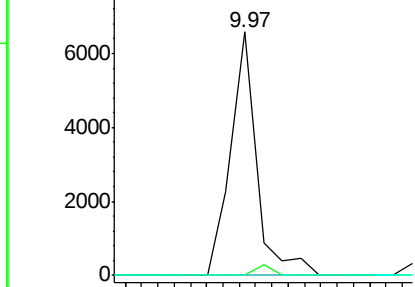
#55
4-Nitrophenol
Concen: 3.27 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.02 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tgt Ion:139 Resp: 7236
Ion Ratio Lower Upper
139 100
109 0.0 49.2 89.2#
65 0.0 66.9 106.9#

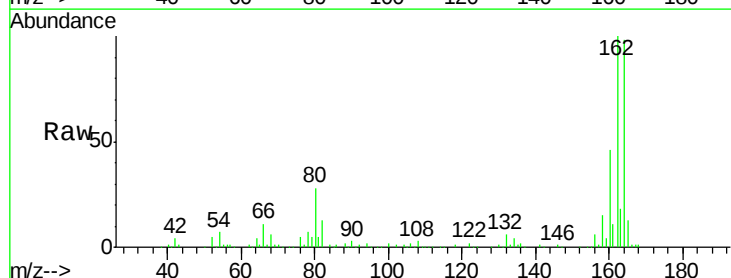


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

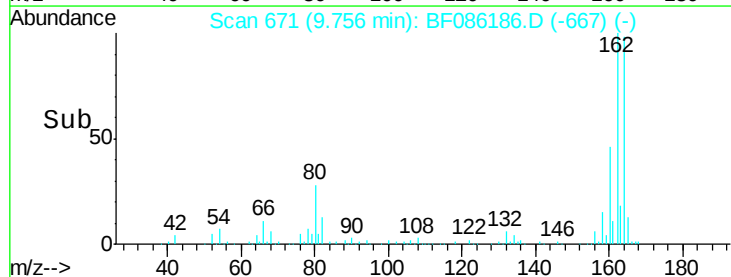
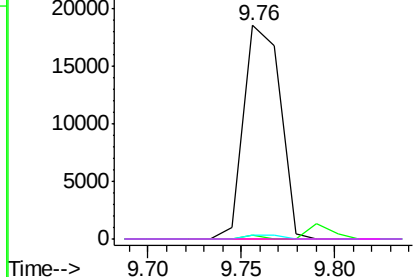


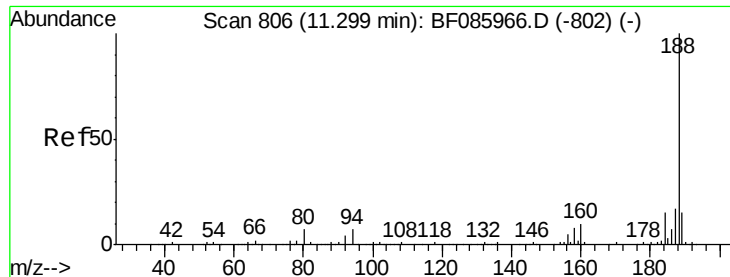
#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.25 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion:165 Resp: 25246
Ion Ratio Lower Upper
165 100
63 1.9 24.9 37.3#
89 1.7 41.0 61.6#
182 0.0 2.1 3.1#



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

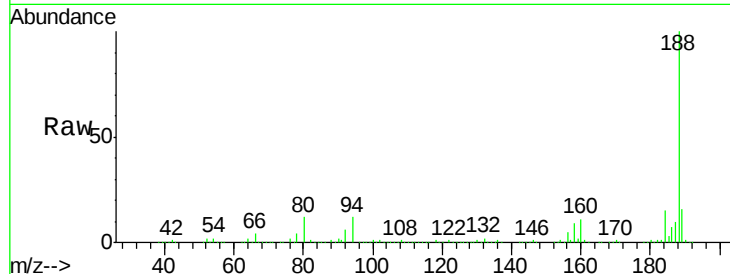




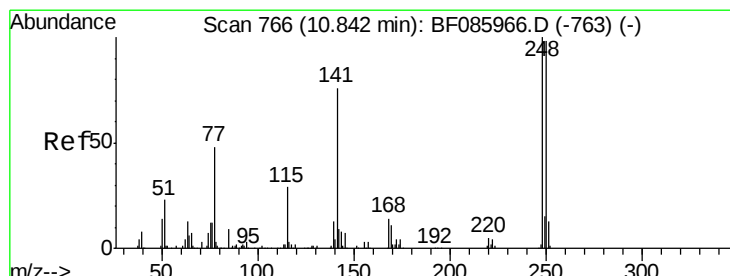
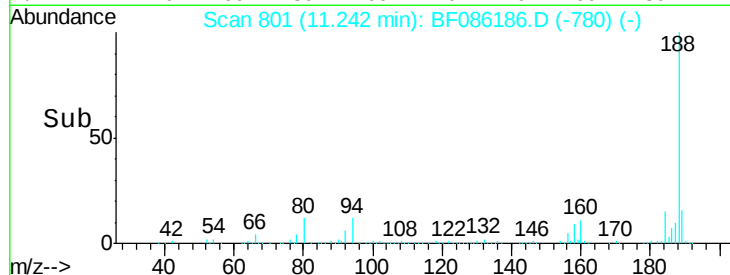
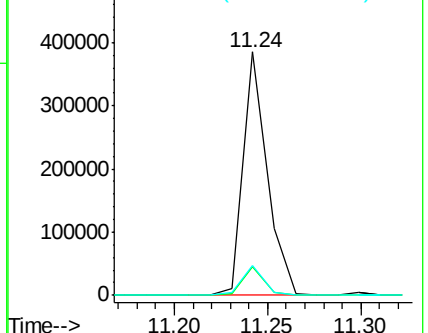
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
B3-COMP

Tgt Ion:188 Resp: 346556
Ion Ratio Lower Upper
188 100
94 11.5 5.4 8.0#
80 12.2 5.5 8.3#

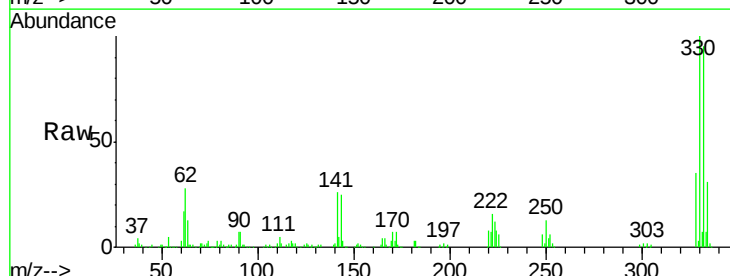


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

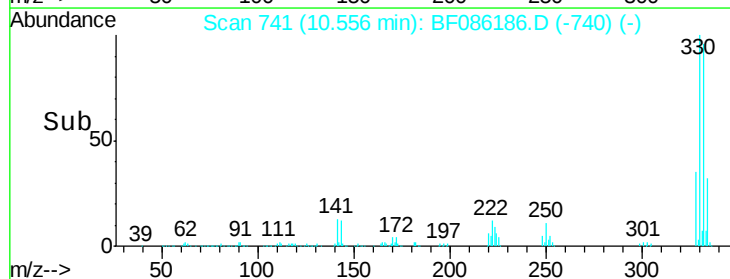
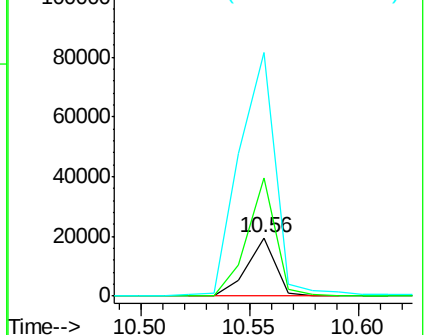


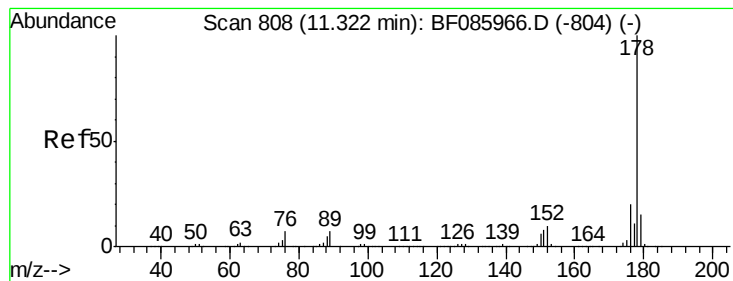
#66
4-Bromophenyl-phenylether
Concen: 5.00 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.29 min
Lab File: BF086186.D
Acq: 8 Apr 2016 23:41

Tgt Ion:248 Resp: 17694
Ion Ratio Lower Upper
248 100
250 202.6 77.4 116.0#
141 419.2 63.6 95.4#



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: 20.09 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

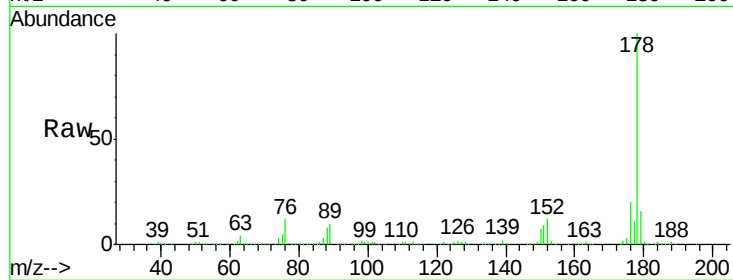
Tgt Ion:178 Resp: 379819

Ion Ratio Lower Upper

178 100

176 20.2 16.3 24.5

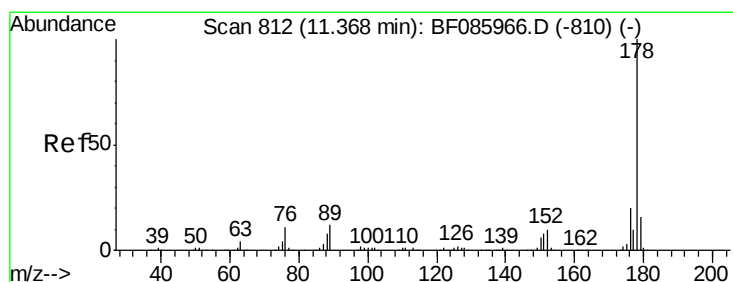
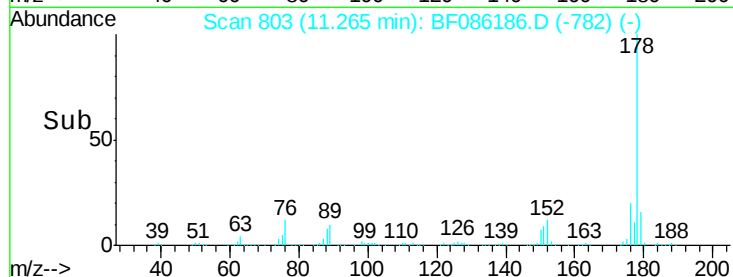
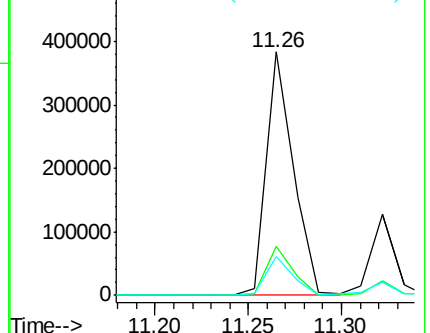
179 16.0 12.6 18.8



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



#71

Anthracene

Concen: 5.84 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

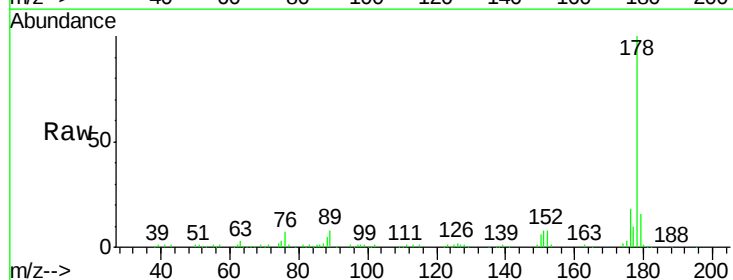
Tgt Ion:178 Resp: 115630

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

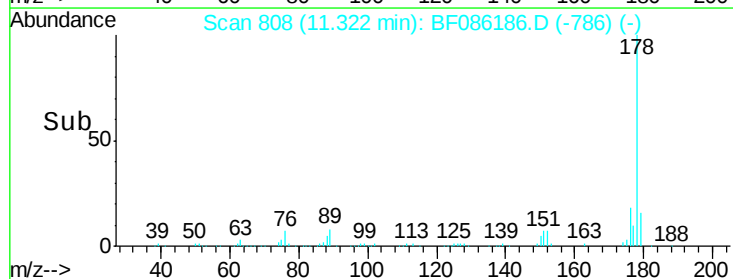
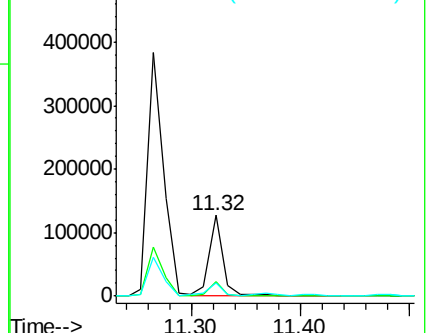
179 15.6 13.0 19.4

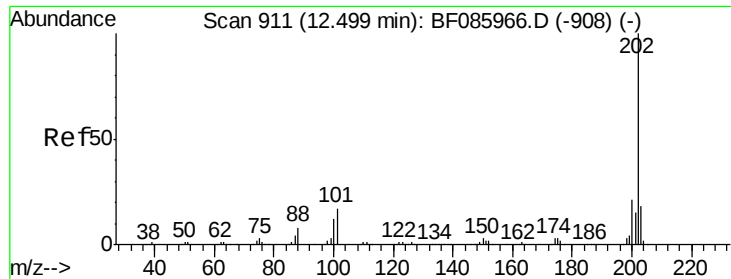


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.86 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

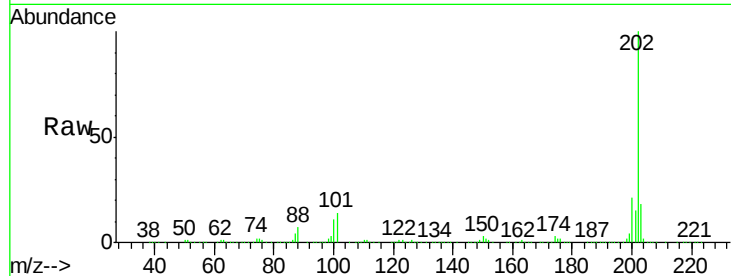
Tgt Ion:202 Resp: 449520

Ion Ratio Lower Upper

202 100

101 14.2 0.0 36.6

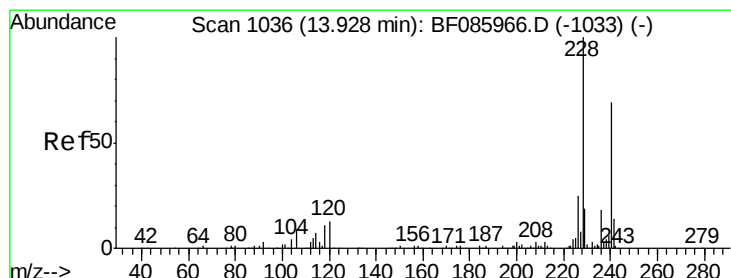
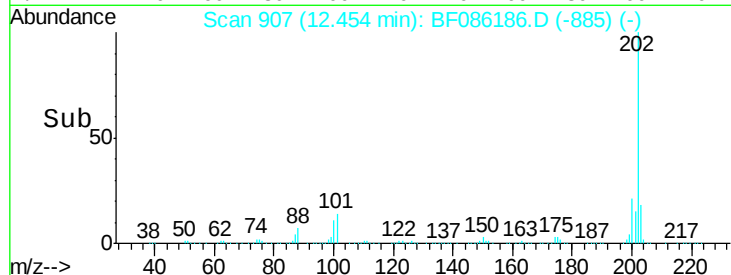
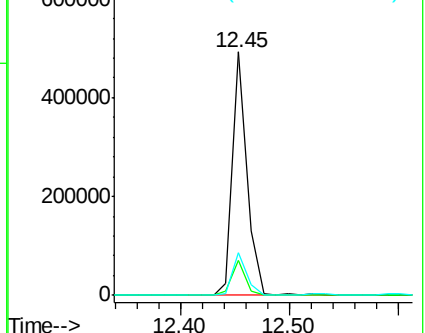
203 17.7 0.0 38.1



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: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

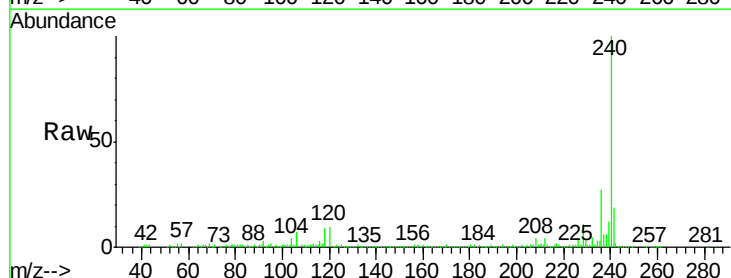
Tgt Ion:240 Resp: 230174

Ion Ratio Lower Upper

240 100

120 10.5 13.8 20.8#

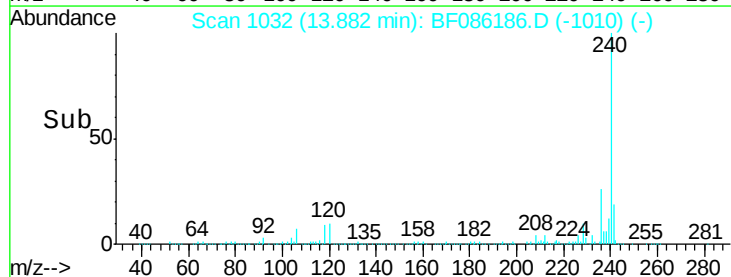
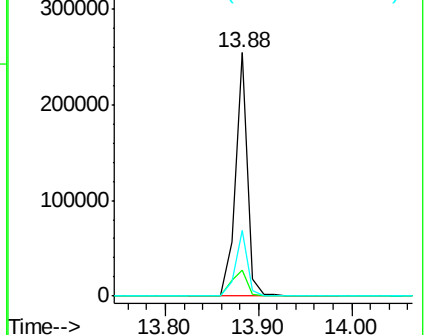
236 26.9 20.6 30.8

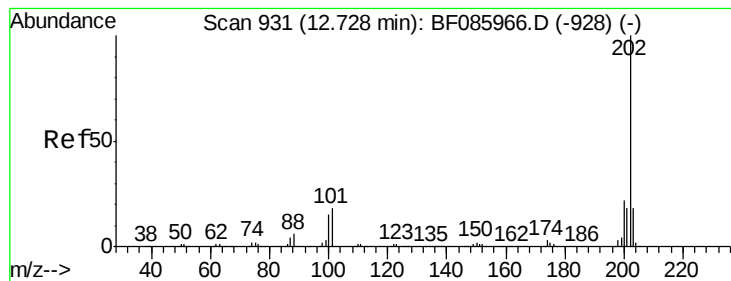


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 24.15 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

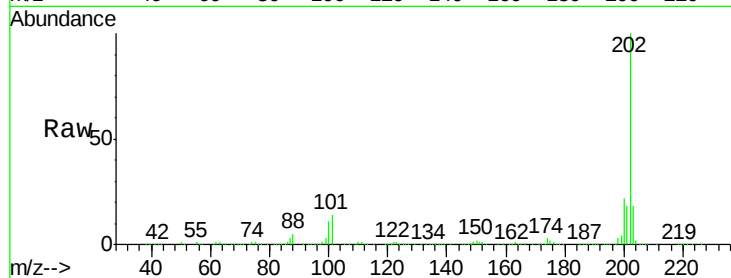
Tgt Ion: 202 Resp: 391760

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

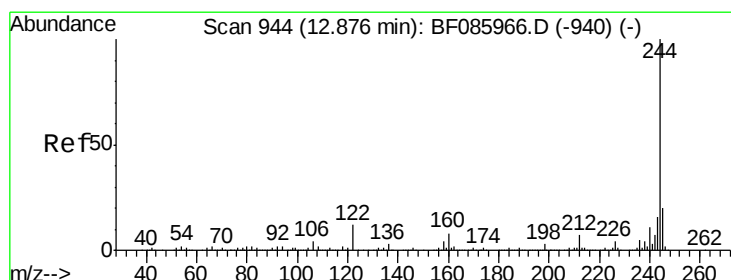
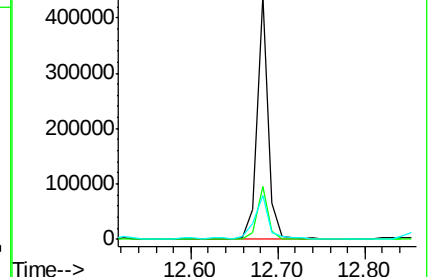
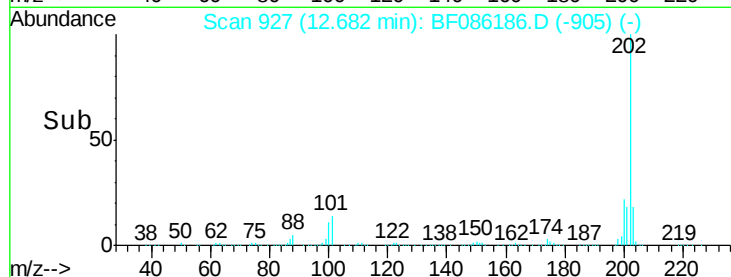
203 18.1 14.0 21.0



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: 96.68 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

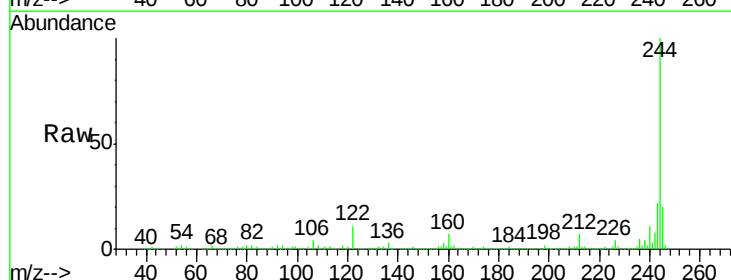
Tgt Ion: 244 Resp: 946661

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

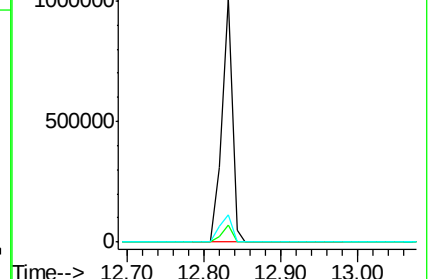
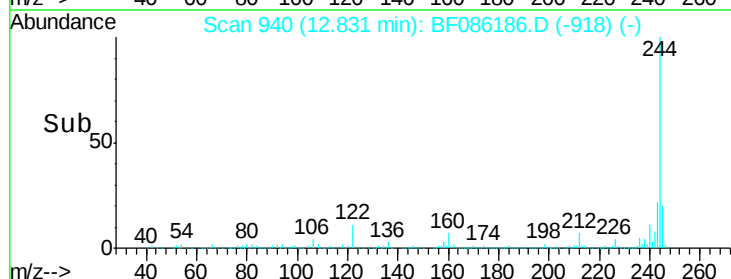
122 11.3 10.2 15.4

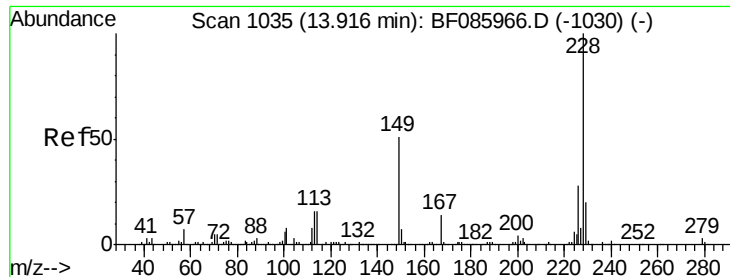


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.26 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

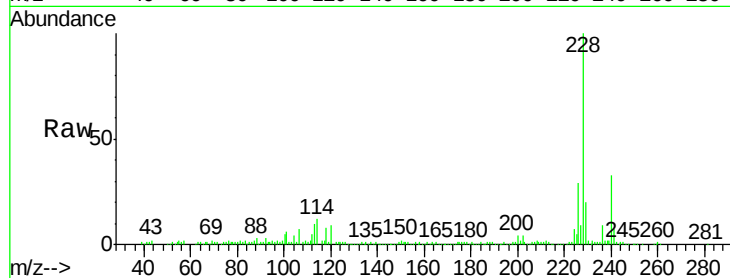
Tgt Ion:228 Resp: 179893

Ion Ratio Lower Upper

228 100

226 28.5 22.1 33.1

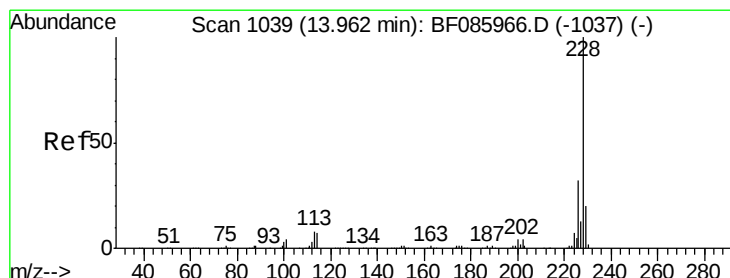
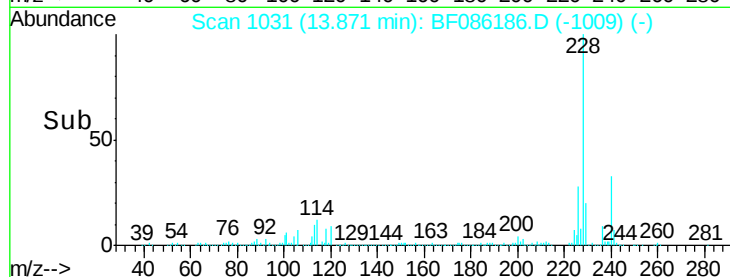
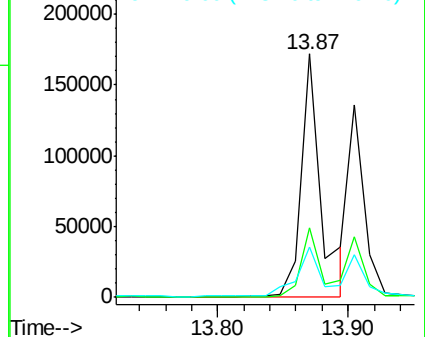
229 20.5 16.2 24.4



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: 8.96 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

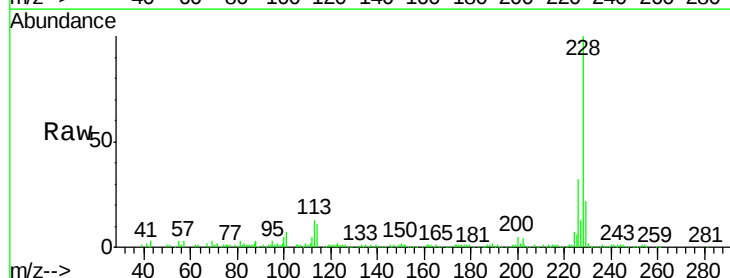
Tgt Ion:228 Resp: 117098

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

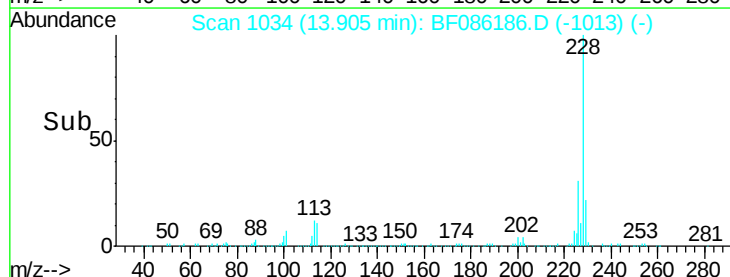
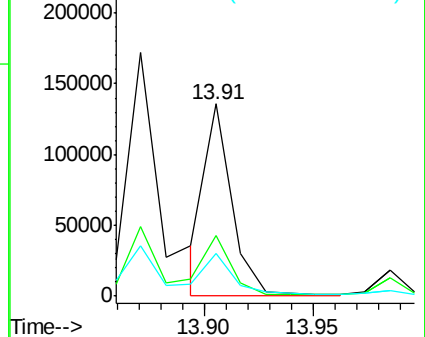
229 21.9 15.7 23.5

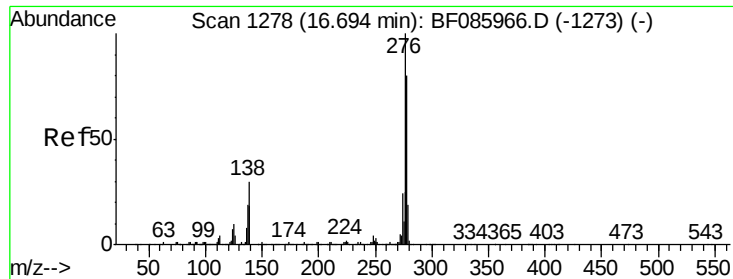


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

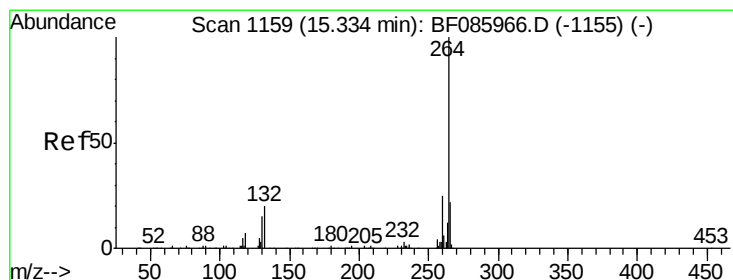
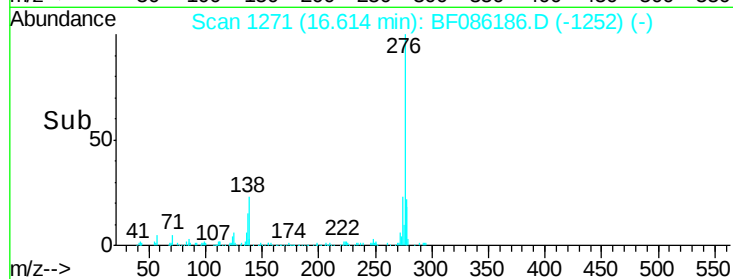
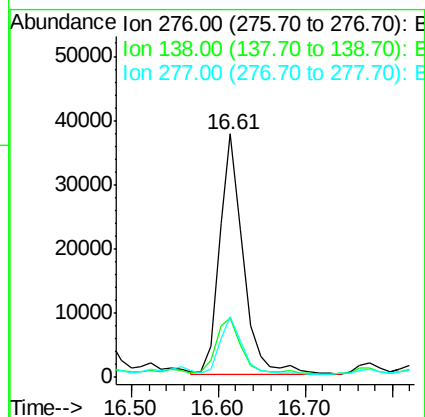
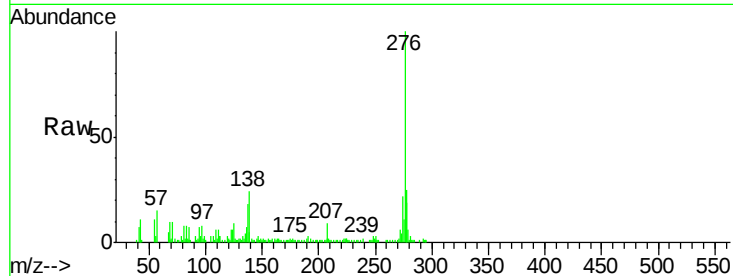




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.70 ng
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.08 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

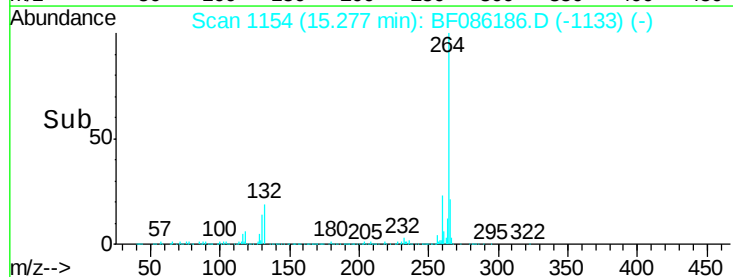
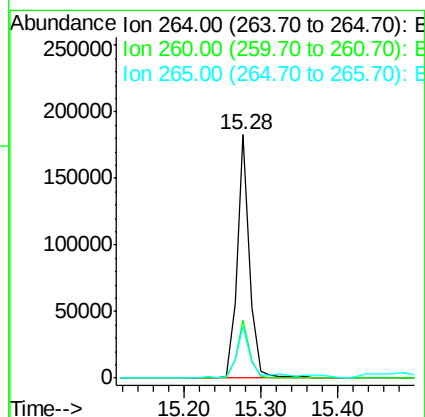
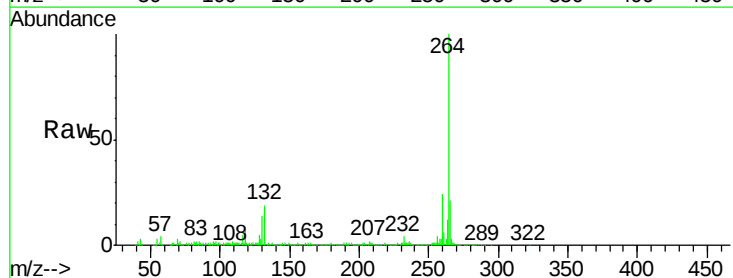
Instrument :
 BNA_F
 ClientSampleId :
 B3-COMP

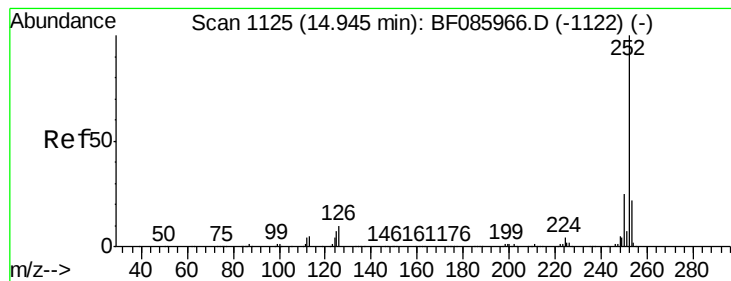
Tgt Ion:	276	Resp:	71032
Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.2	36.4
277	23.1	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF086186.D
 Acq: 8 Apr 2016 23:41

Tgt Ion:	264	Resp:	211531
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.44 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

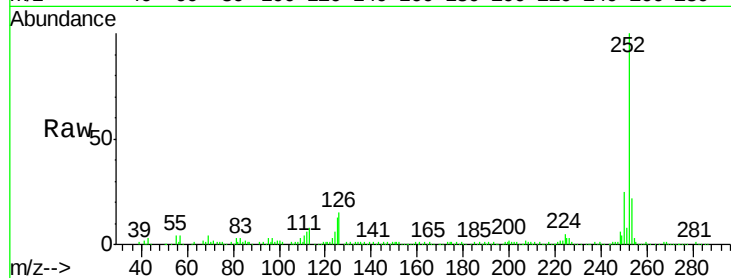
Tgt Ion:252 Resp: 218740

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

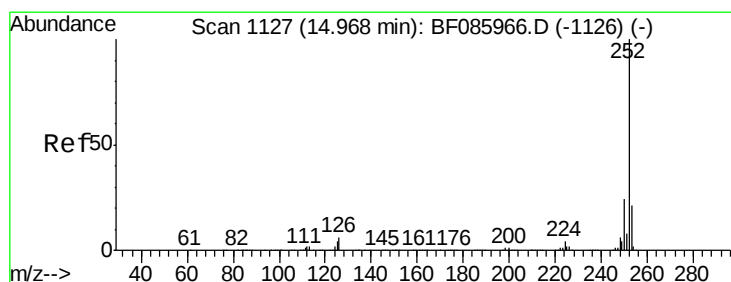
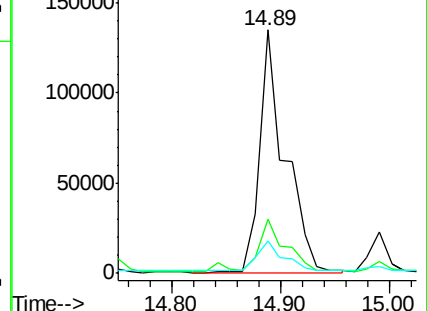
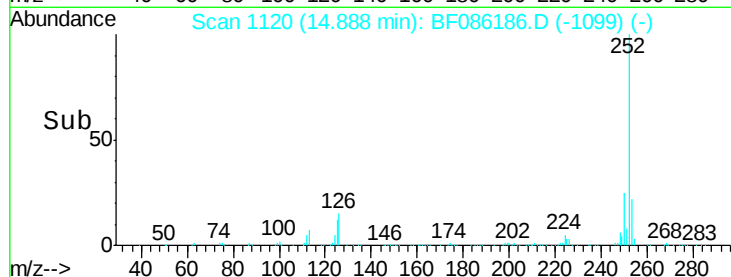
125 13.1 10.3 15.5



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



#88

Benzo(k)fluoranthene

Concen: 18.56 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.08 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

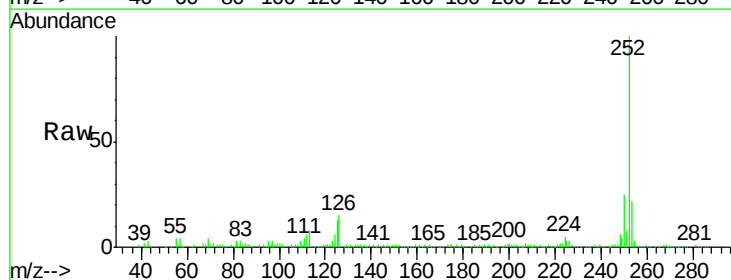
Tgt Ion:252 Resp: 218740

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

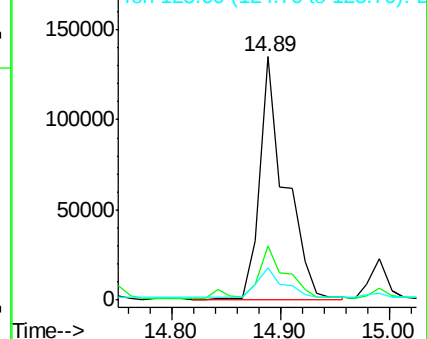
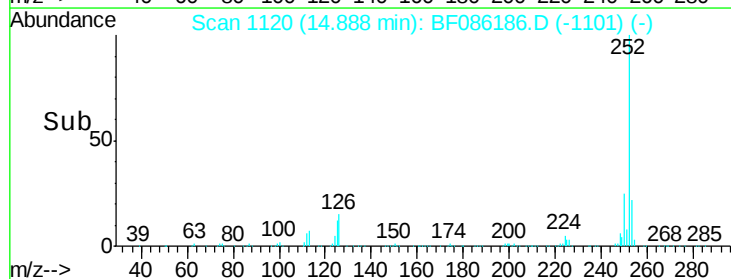
125 13.1 7.7 11.5#

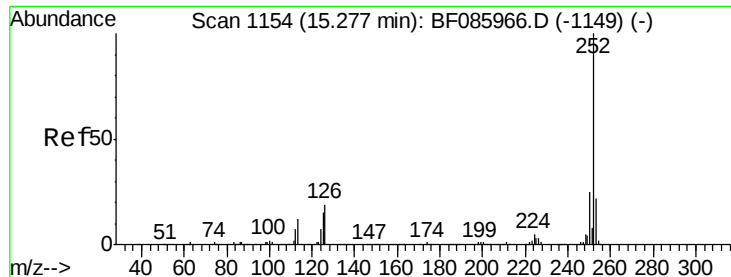


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.68 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.06 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

B3-COMP

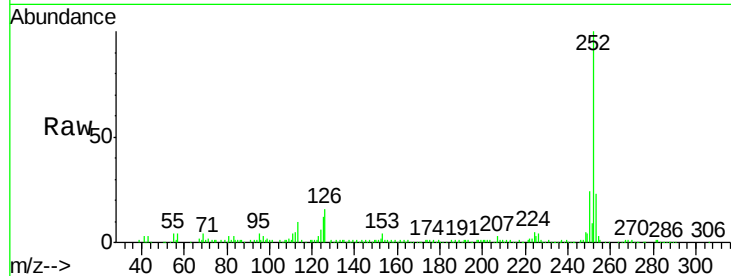
Tgt Ion:252 Resp: 125954

Ion Ratio Lower Upper

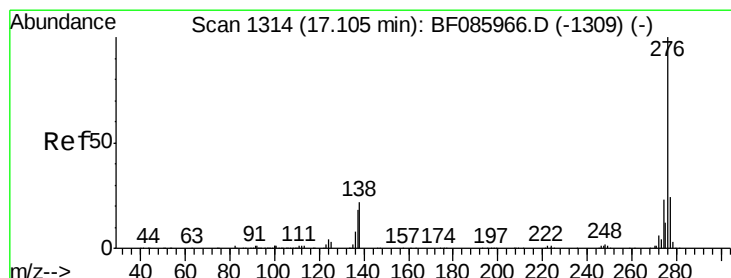
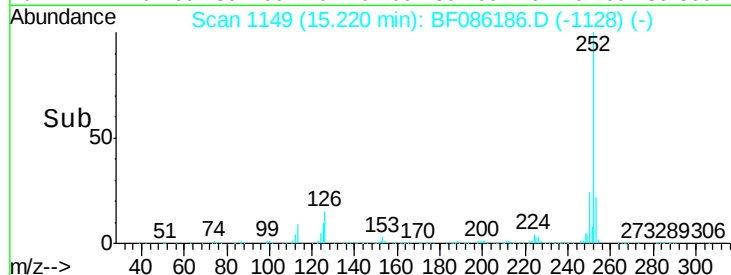
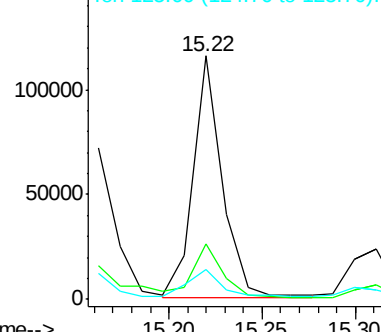
252 100

253 22.8 17.4 26.0

125 12.0 10.3 15.5



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: 7.22 ng

RT: 17.01 min Scan# 1306

Delta R.T. -0.09 min

Lab File: BF086186.D

Acq: 8 Apr 2016 23:41

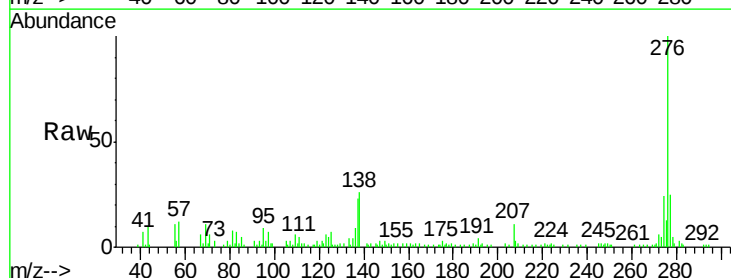
Tgt Ion:276 Resp: 66323

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 26.4 22.6 34.0



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

