

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086185.D
 Acq On : 8 Apr 2016 23:13
 Operator : UM/SJ
 Sample : H2366-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4PCOMP

Quant Time: Apr 09 00:43:03 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

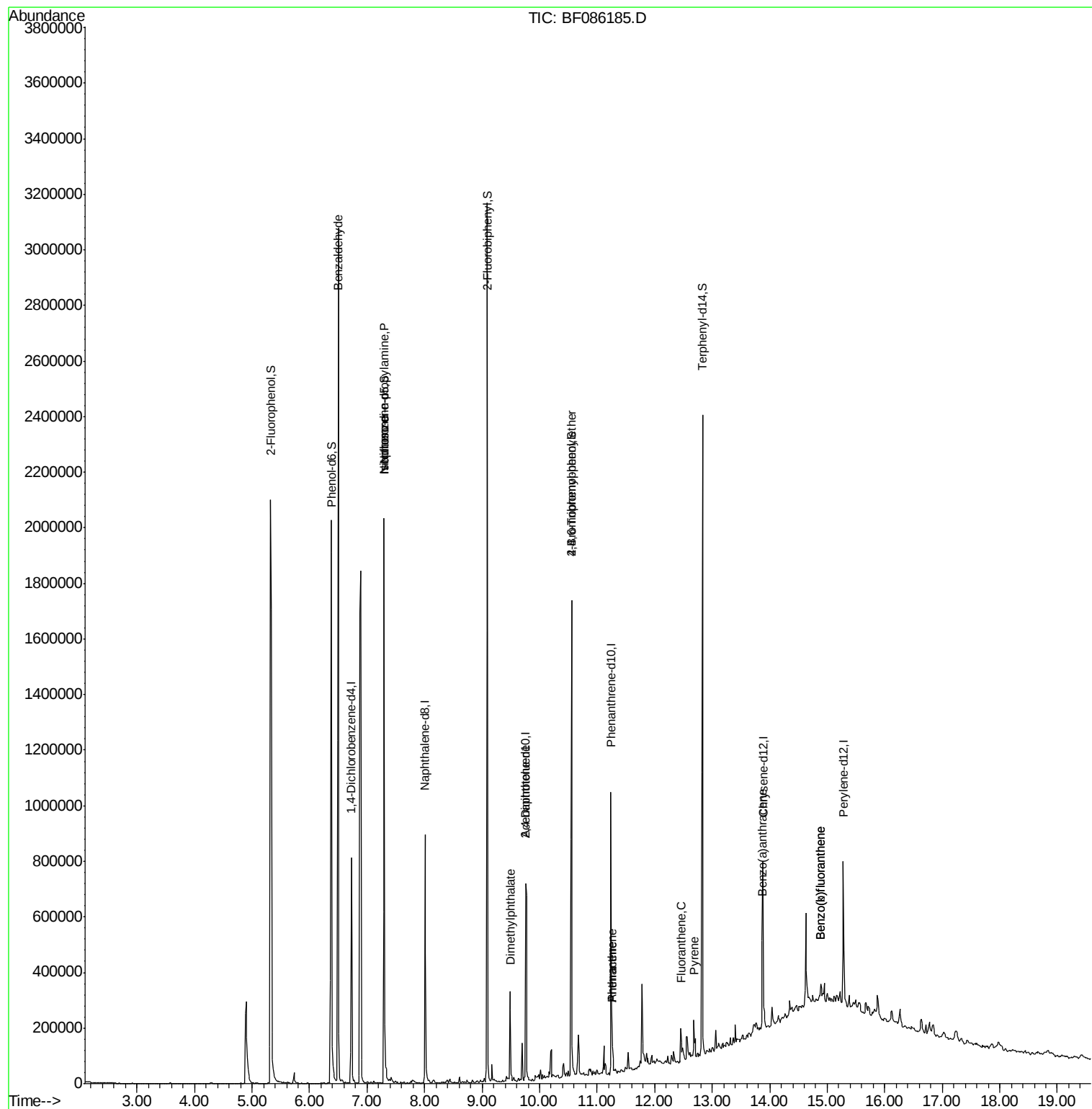
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	127442	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	490279	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	203445	20.00	ng	-0.06
63) Phenanthrene-d10	11.24	188	354388	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	233421	20.00	ng	-0.05
86) Perylene-d12	15.28	264	216811	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	965249	129.46	ng	-0.05
7) Phenol-d6	6.38	99	1267210	133.81	ng	-0.03
23) Nitrobenzene-d5	7.30	82	733031	88.17	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	259083	135.68	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1159739	94.78	ng	-0.05
78) Terphenyl-d14	12.83	244	789465	79.50	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	20741	4.07	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	99028	16.87	ng	# 77
25) Isophorone	7.30	82	733072	44.67	ng	# 68
49) Dimethylphthalate	9.49	163	177089	11.74	ng	98
56) 2,4-Dinitrotoluene	9.76	165	26015	6.45	ng	# 37
66) 4-Bromophenyl-phenylether	10.56	248	16700	4.62	ng	# 1
70) Phenanthrene	11.26	178	43256	2.24	ng	99
71) Anthracene	11.26	178	43256	2.14	ng	98
74) Fluoranthene	12.45	202	58800	2.92	ng	97
77) Pyrene	12.68	202	60928	3.70	ng	99
80) Benzo(a)anthracene	13.87	228	30728	2.23	ng	95
87) Benzo(b)fluoranthene	14.89	252	39920	2.93	ng	# 80
88) Benzo(k)fluoranthene	14.89	252	39920	3.31	ng	# 78

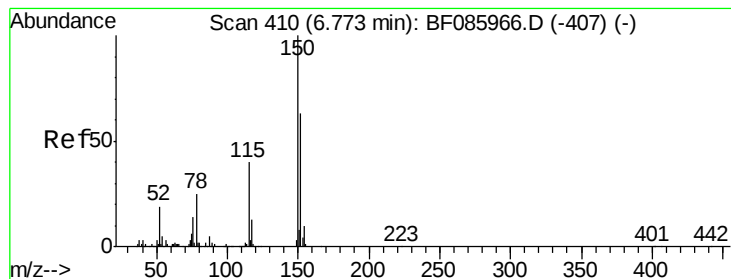
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

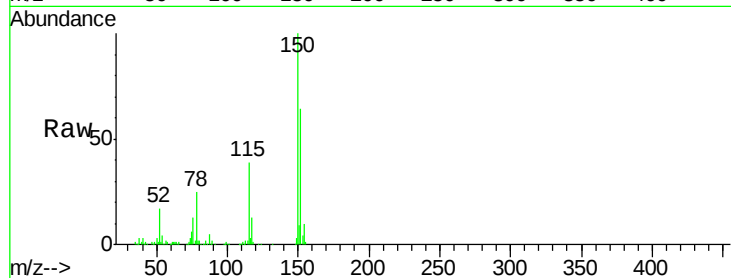
Tgt Ion:152 Resp: 127442

Ion Ratio Lower Upper

152 100

150 156.5 124.2 186.2

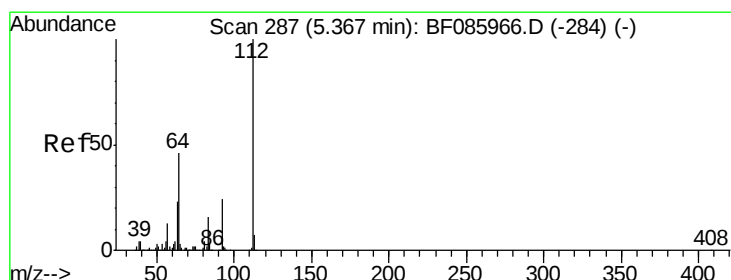
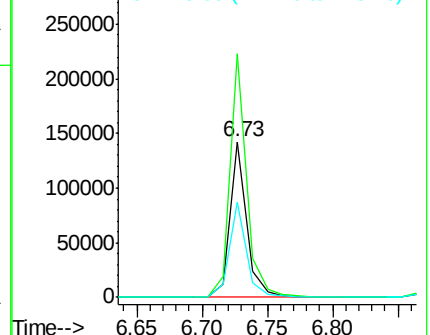
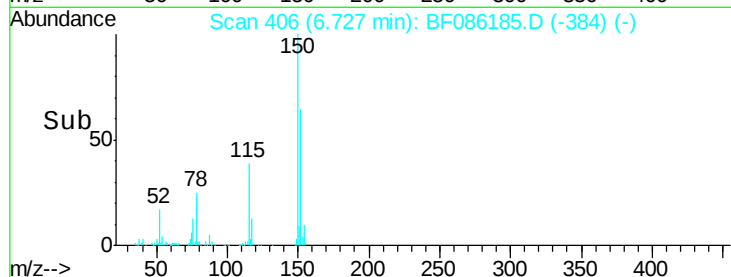
115 61.4 47.0 70.6



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: 129.46 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.05 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

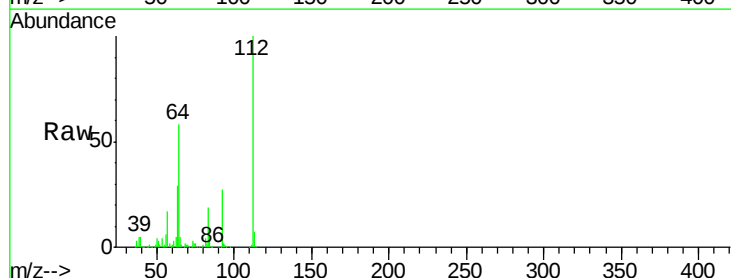
Tgt Ion:112 Resp: 965249

Ion Ratio Lower Upper

112 100

64 57.6 39.9 59.9

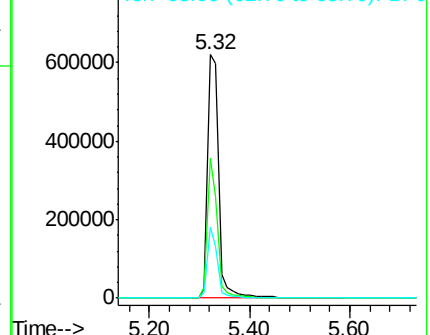
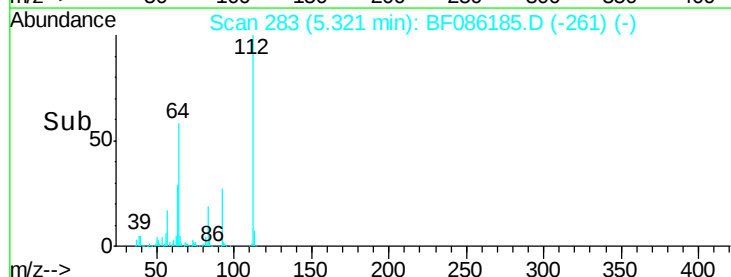
63 29.0 20.2 30.2

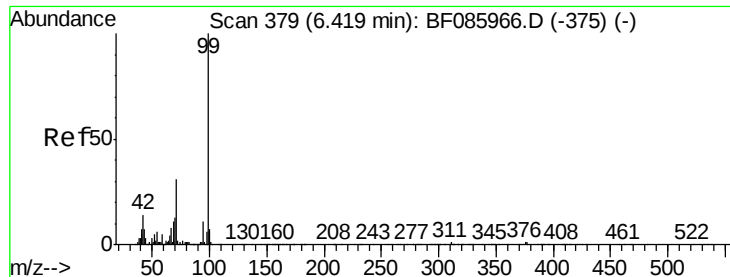


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.81 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

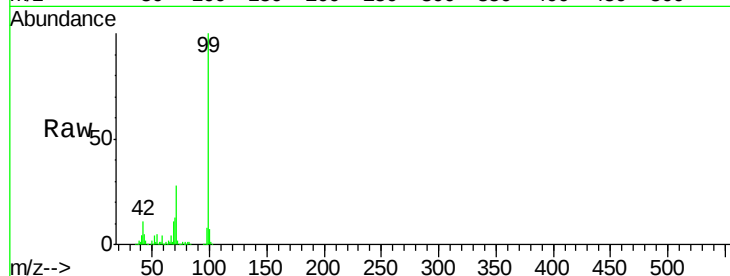
Tgt Ion: 99 Resp: 1267210

Ion Ratio Lower Upper

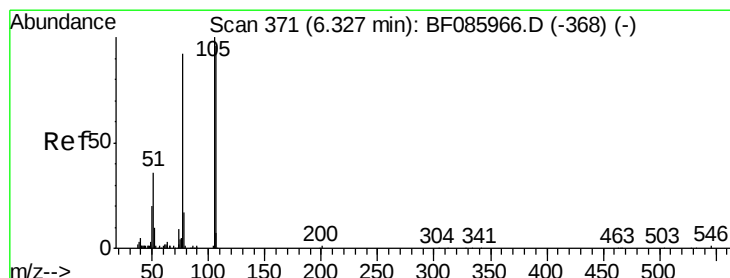
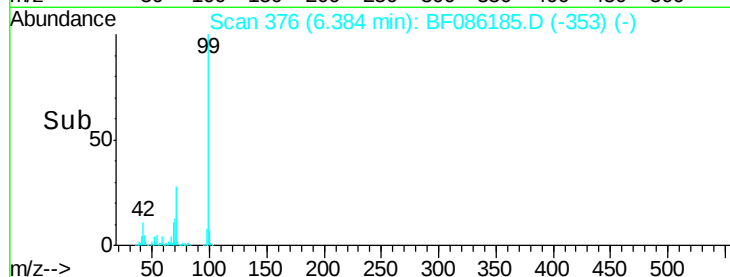
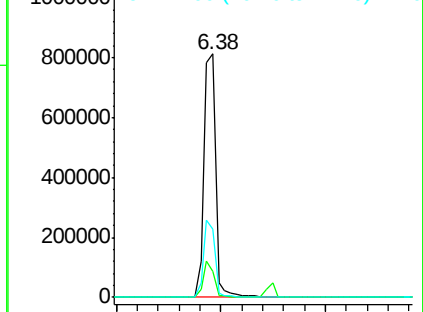
99 100

42 10.9 11.1 16.7#

71 28.1 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: 4.07 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

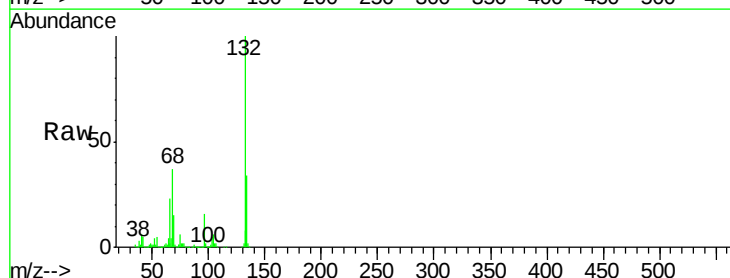
Tgt Ion: 77 Resp: 20741

Ion Ratio Lower Upper

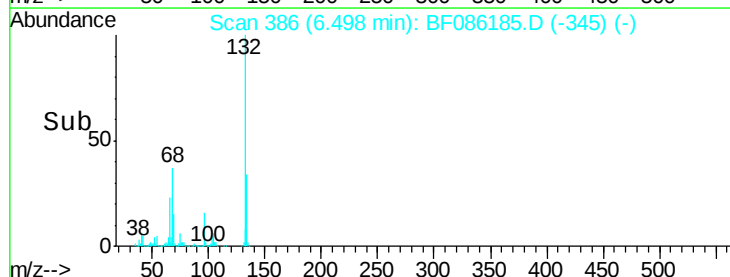
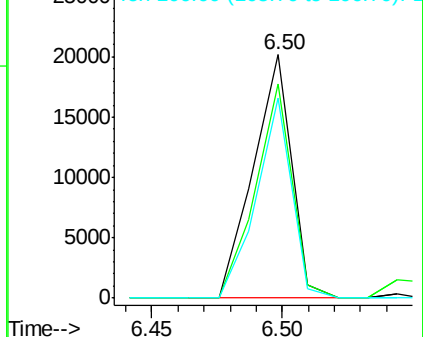
77 100

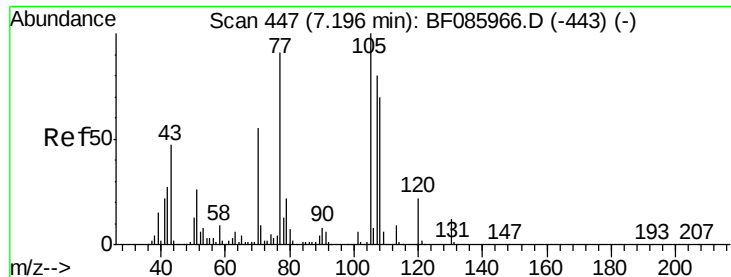
105 88.0 80.1 120.1

106 82.0 75.0 115.0



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

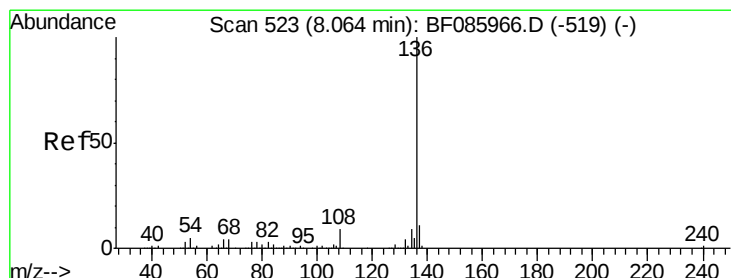
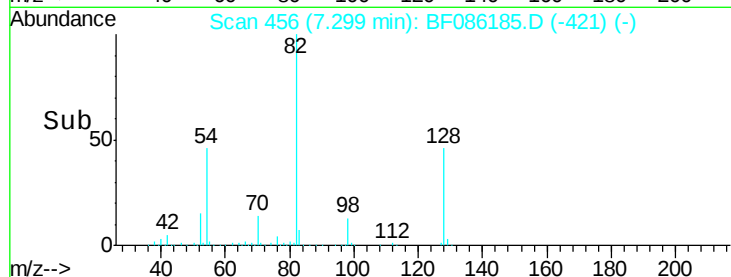
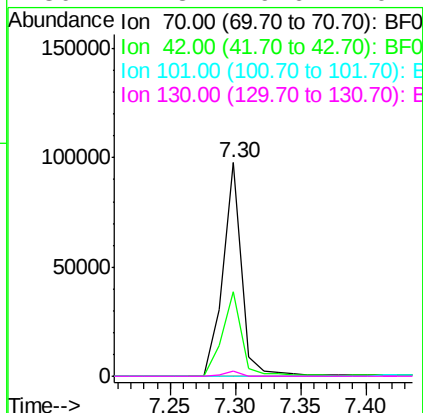
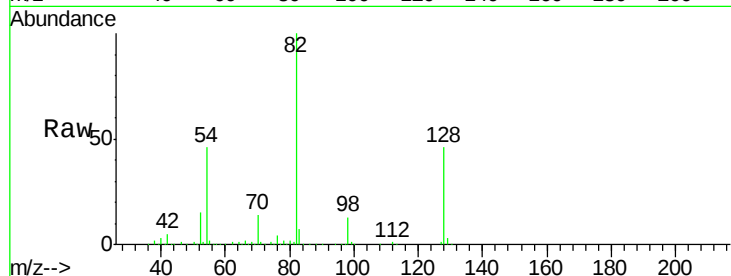




#19
n-Nitroso-di-n-propylamine
Concen: 16.87 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.10 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

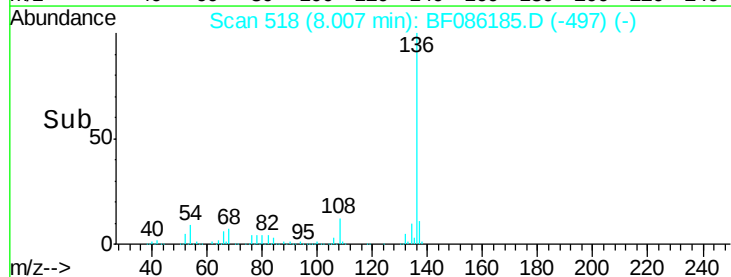
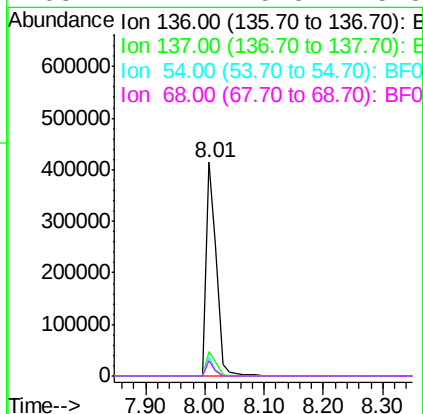
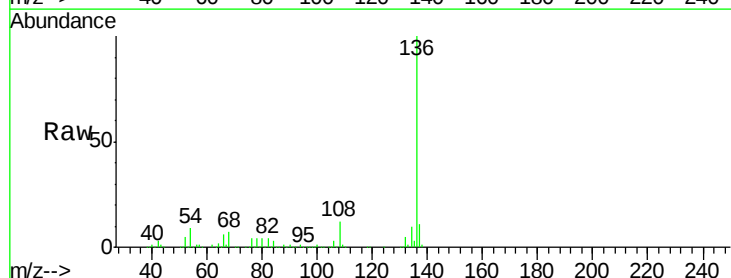
Instrument :
BNA_F
ClientSampleId :
B-4PCOMP

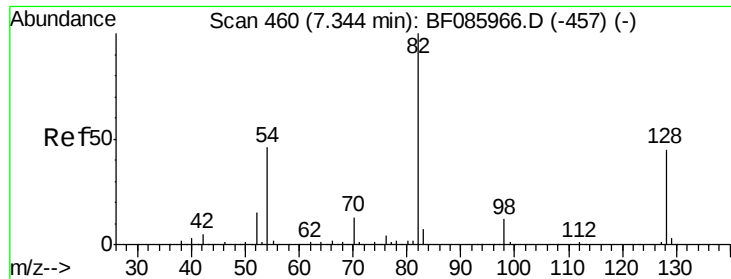
Tgt Ion: 70 Resp: 99028
Ion Ratio Lower Upper
70 100
42 39.4 37.1 55.7
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Tgt Ion: 136 Resp: 490279
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 8.8 7.4 11.0
68 7.2 5.8 8.8

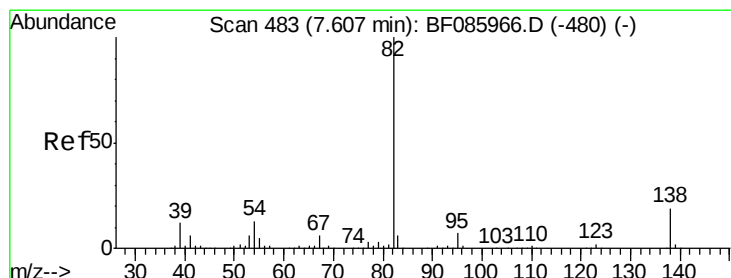
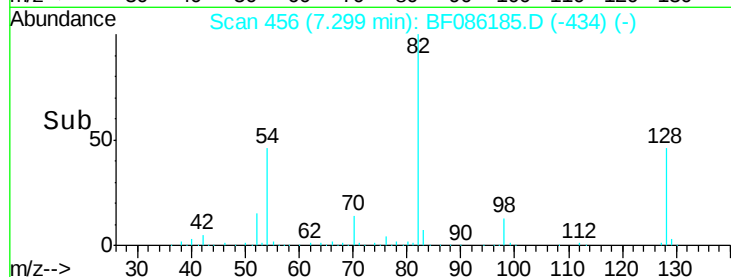
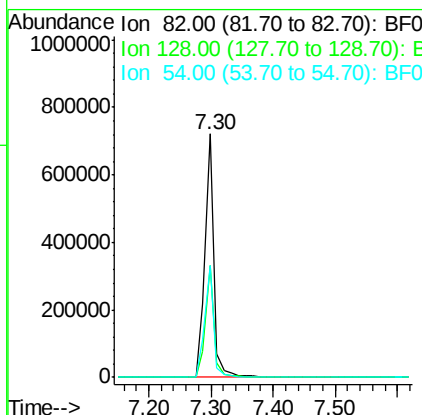
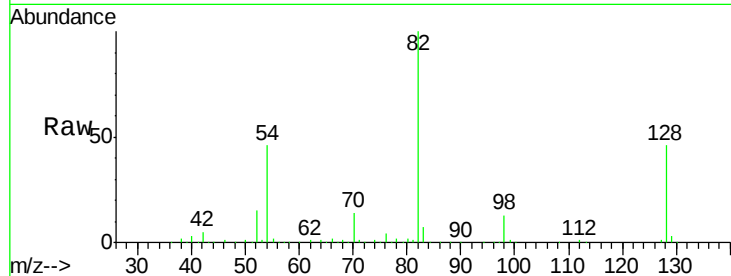




#23
 Nitrobenzene-d5
 Concen: 88.17 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

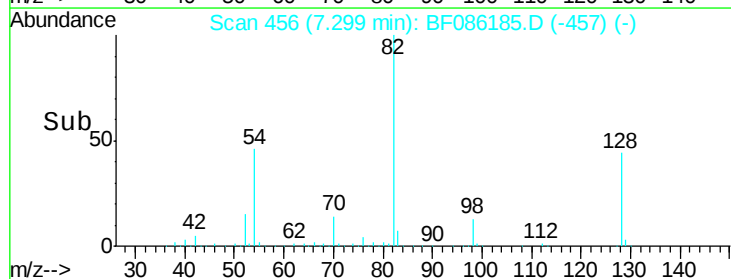
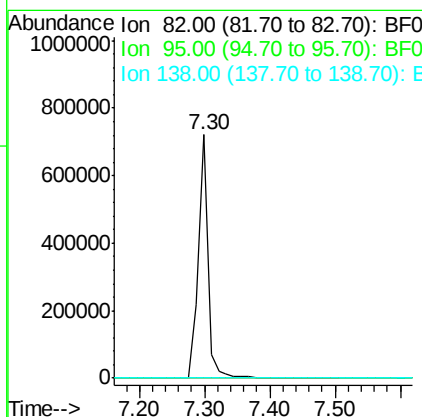
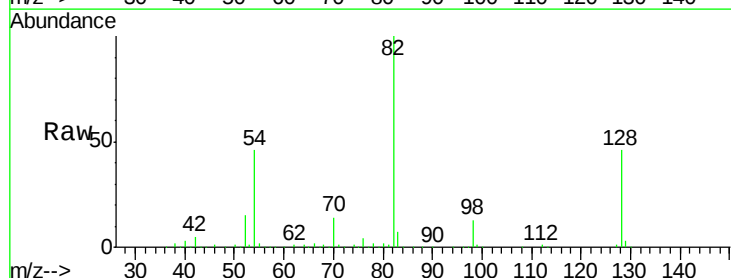
Instrument :
 BNA_F
 ClientSampleId :
 B-4PCOMP

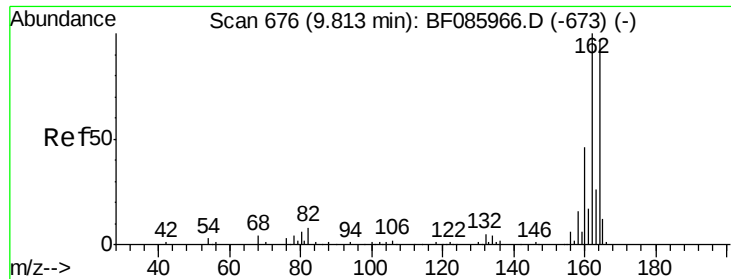
Tgt Ion: 82 Resp: 733031
 Ion Ratio Lower Upper
 82 100
 128 45.7 41.8 62.8
 54 45.7 33.4 50.0



#25
 Isophorone
 Concen: 44.67 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.31 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

Tgt Ion: 82 Resp: 733072
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.06 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

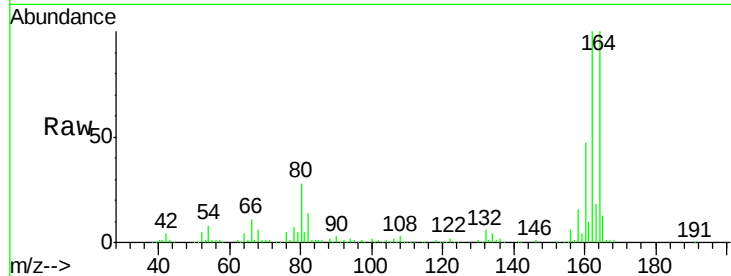
Tgt Ion:164 Resp: 203445

Ion Ratio Lower Upper

164 100

162 100.1 82.1 123.1

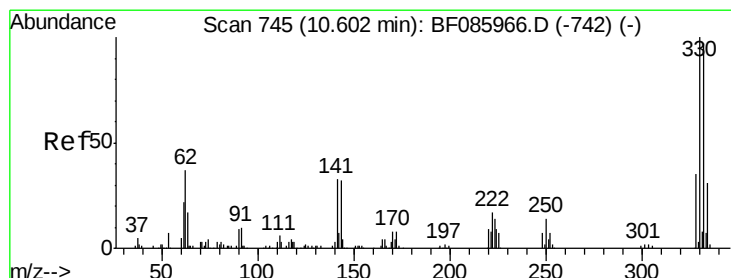
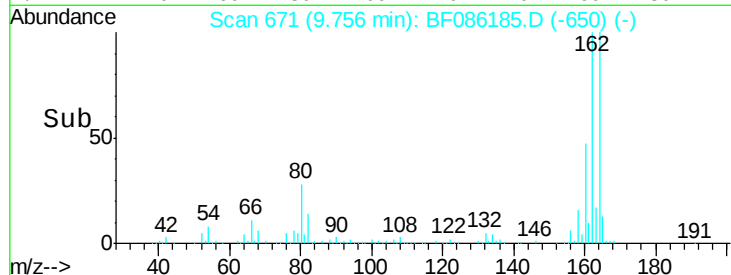
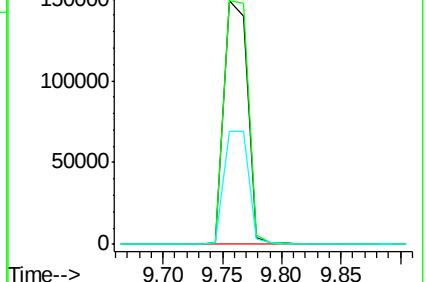
160 46.6 37.4 56.2



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: 135.68 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.05 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

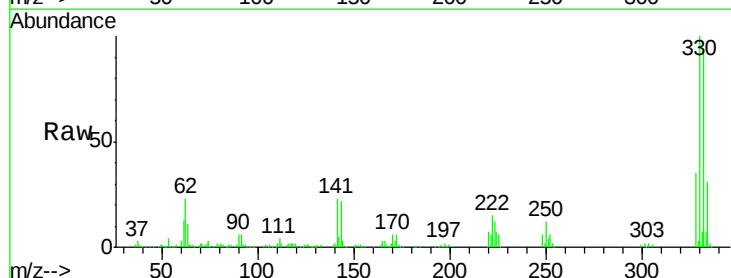
Tgt Ion:330 Resp: 259083

Ion Ratio Lower Upper

330 100

332 94.7 78.2 117.2

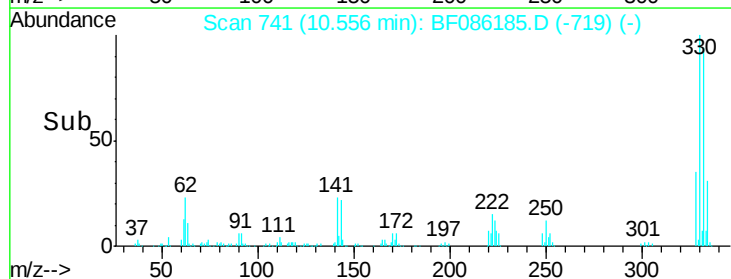
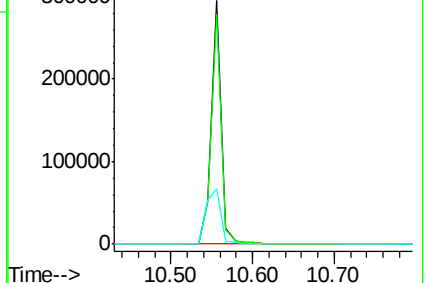
141 35.0 31.5 47.3

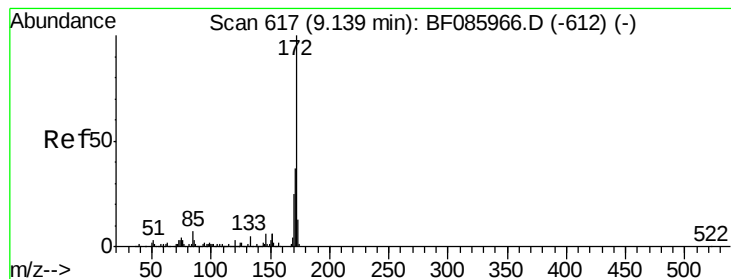


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

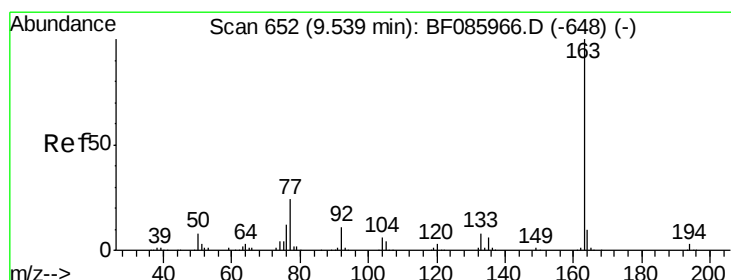
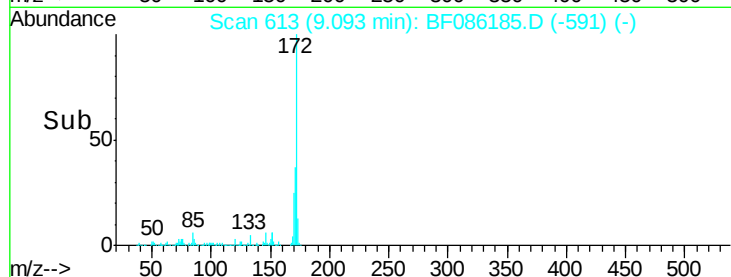
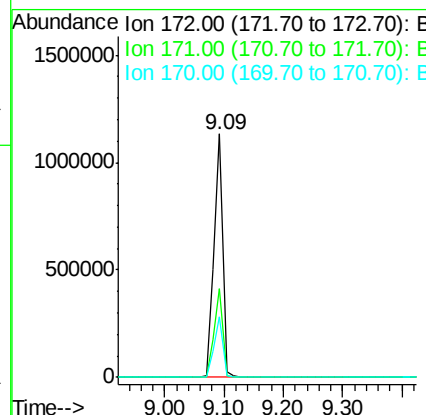
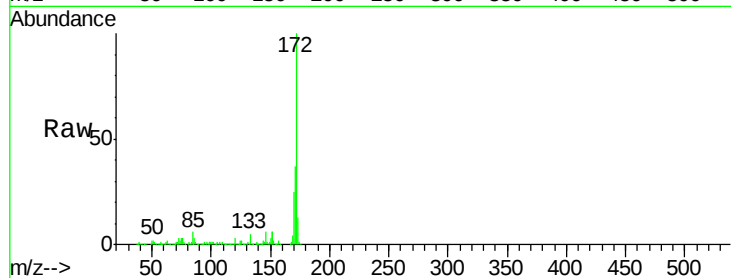




#44
2-Fluorobiphenyl
Concen: 94.78 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.05 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

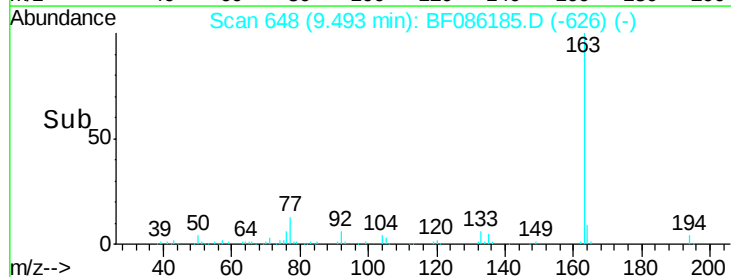
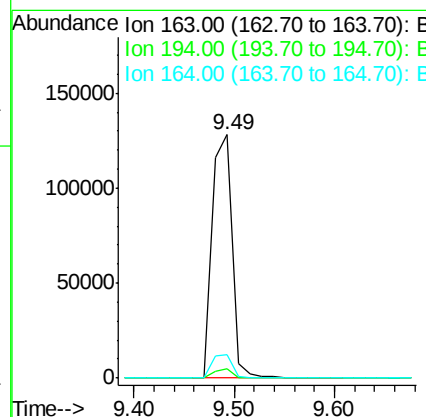
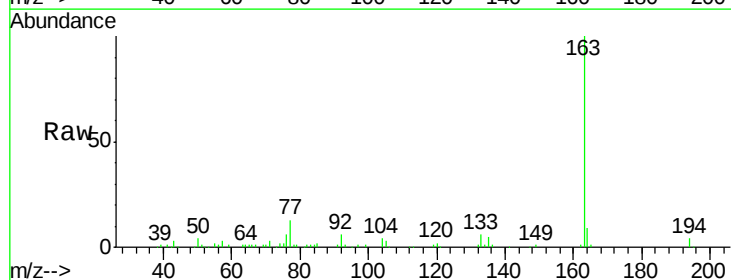
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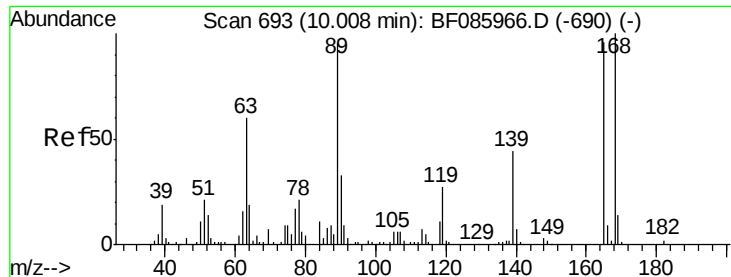
Tgt Ion:172 Resp: 1159739
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.2
170 24.8 19.8 29.6



#49
Dimethylphthalate
Concen: 11.74 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.05 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Tgt Ion:163 Resp: 177089
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 9.4 8.3 12.5

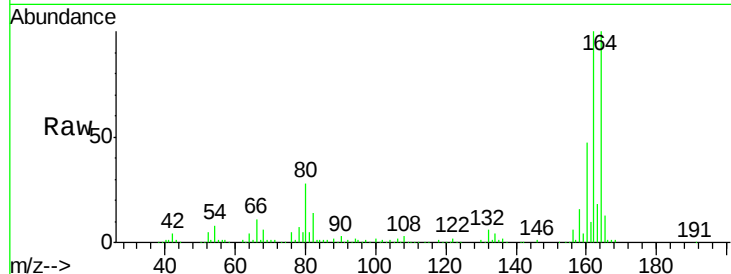




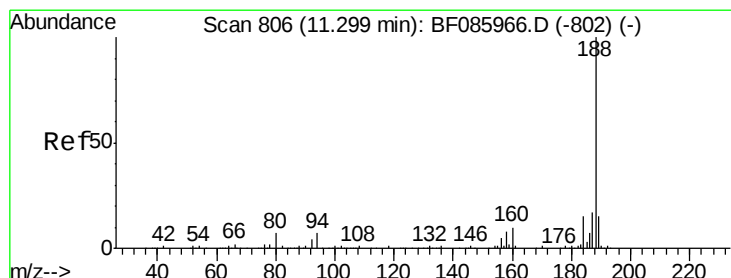
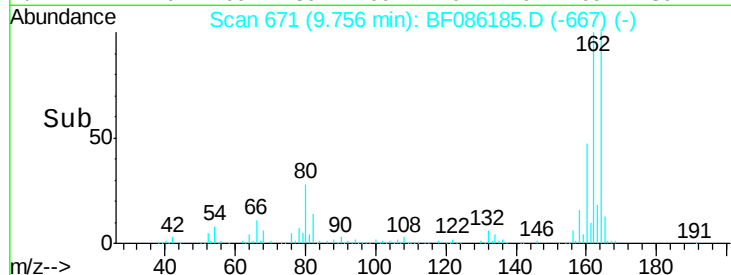
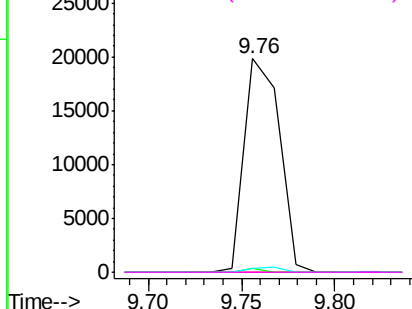
#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.25 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

Instrument :
 BNA_F
 ClientSampleId :
 B-4PCOMP

Tgt Ion:165 Resp: 26015
 Ion Ratio Lower Upper
 165 100
 63 1.6 24.9 37.3#
 89 1.9 41.0 61.6#
 182 0.0 2.1 3.1#

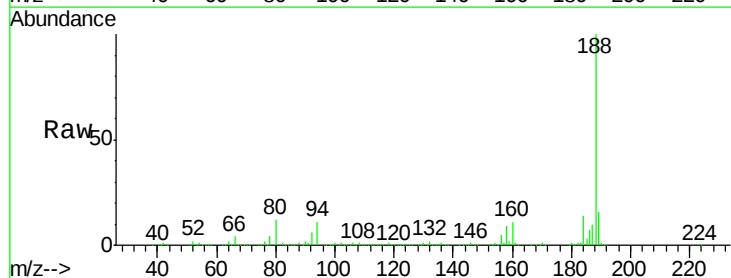


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

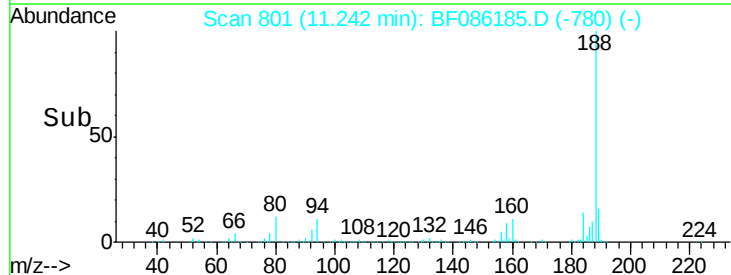
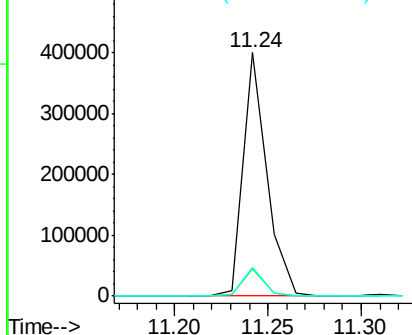


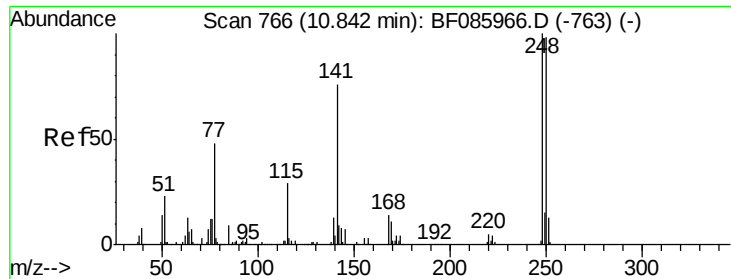
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

Tgt Ion:188 Resp: 354388
 Ion Ratio Lower Upper
 188 100
 94 11.4 5.4 8.0#
 80 11.9 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

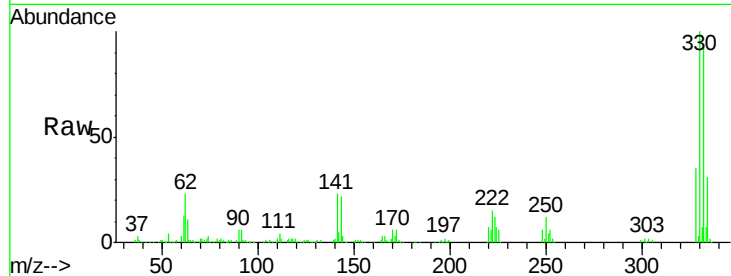




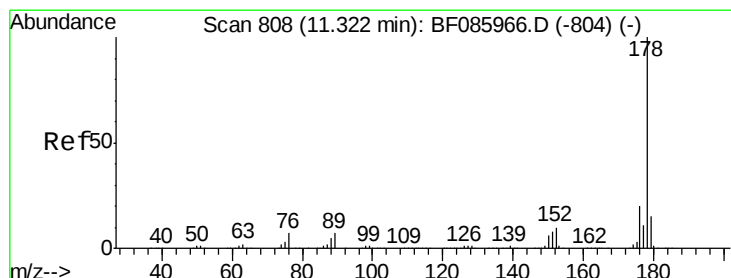
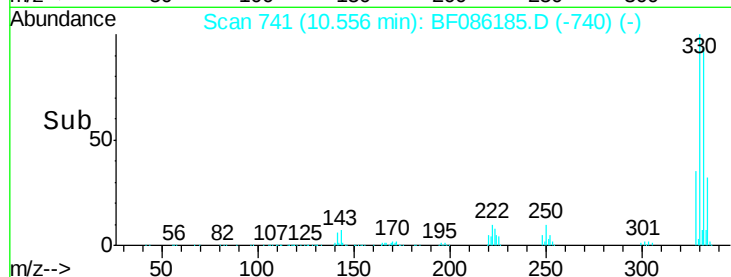
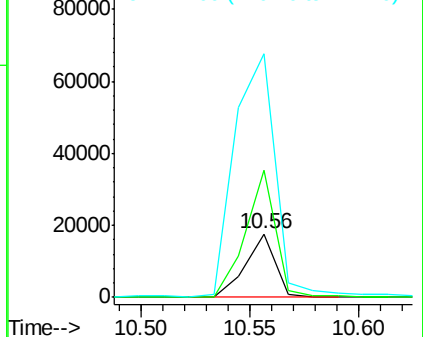
#66
4-Bromophenyl-phenylether
Concen: 4.62 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.29 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Instrument :
BNA_F
ClientSampleId :
B-4PCOMP

Tgt Ion:248 Resp: 16700
Ion Ratio Lower Upper
248 100
250 199.1 77.4 116.0#
141 381.9 63.6 95.4#

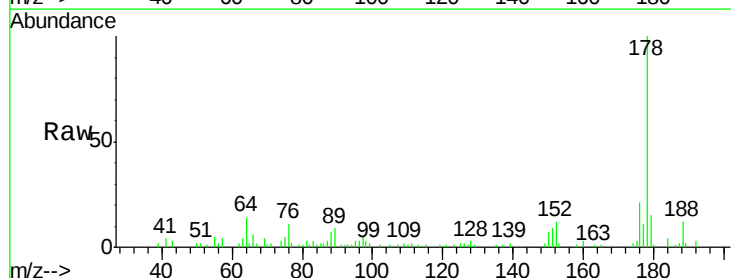


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

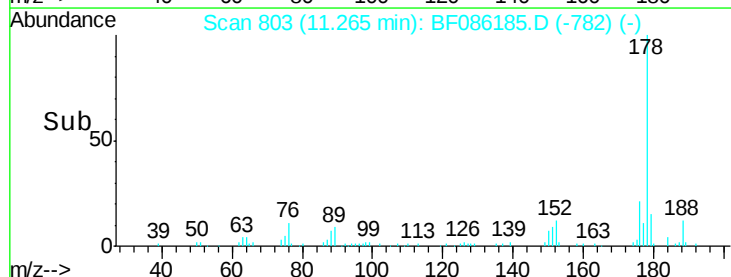
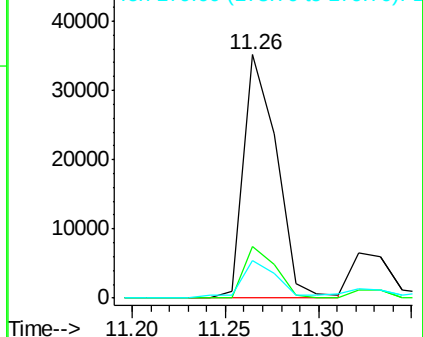


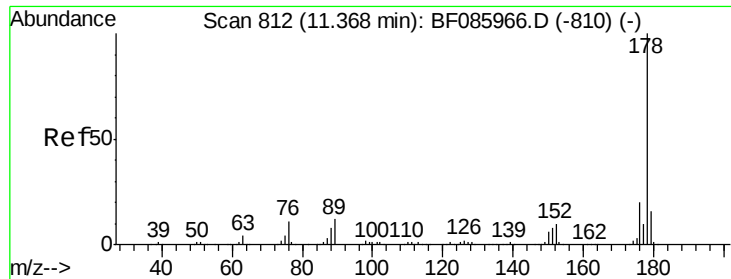
#70
Phenanthrene
Concen: 2.24 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Tgt Ion:178 Resp: 43256
Ion Ratio Lower Upper
178 100
176 21.0 16.3 24.5
179 15.4 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

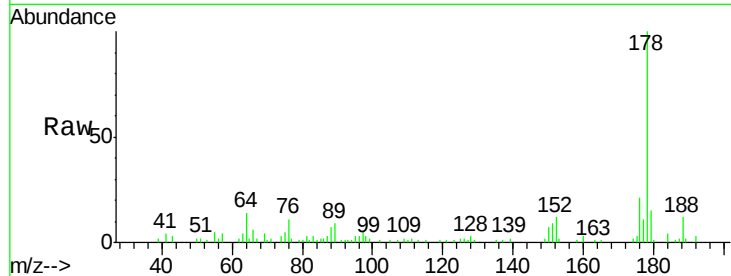




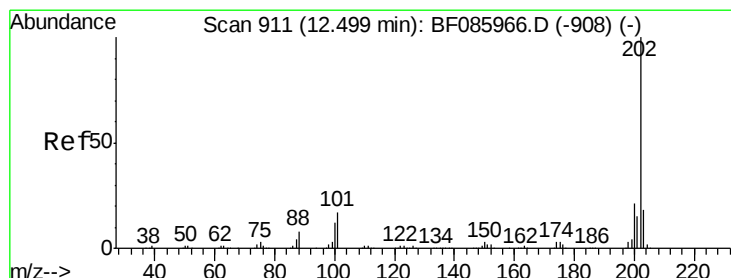
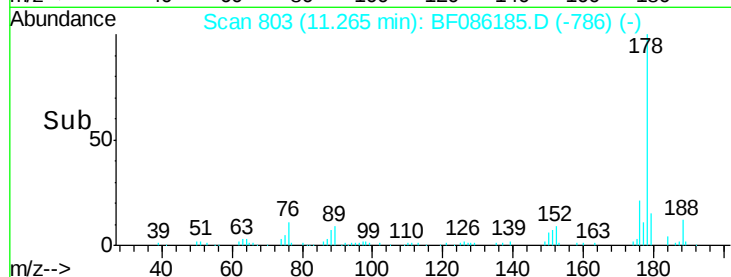
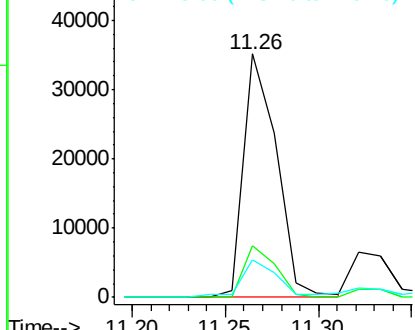
#71
 Anthracene
 Concen: 2.14 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.10 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

Instrument :
 BNA_F
 ClientSampleId :
 B-4PCOMP

Tgt Ion:178 Resp: 43256
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.9 23.9
 179 15.4 13.0 19.4

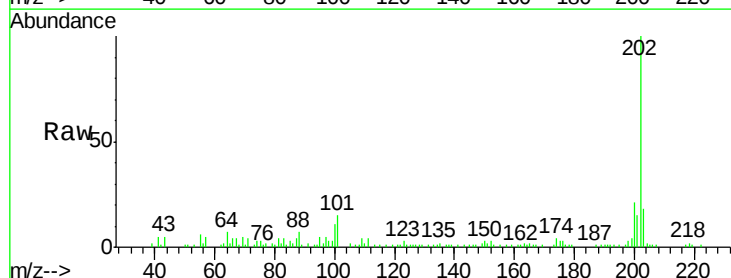


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

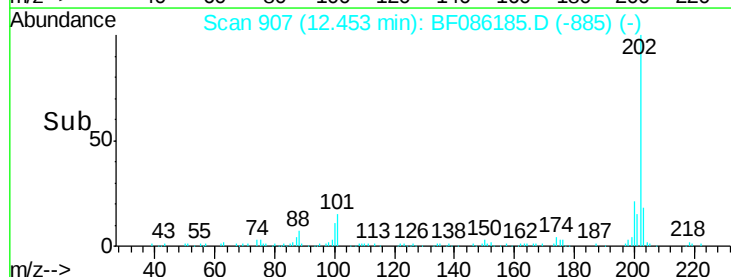
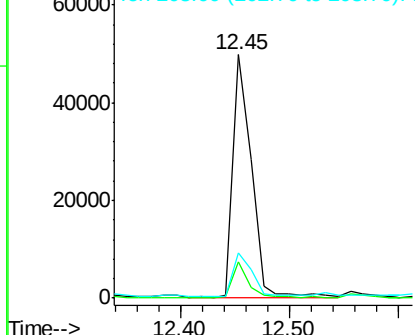


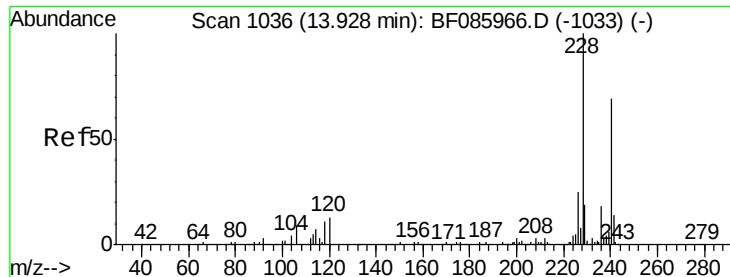
#74
 Fluoranthene
 Concen: 2.92 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: BF086185.D
 Acq: 8 Apr 2016 23:13

Tgt Ion:202 Resp: 58800
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 36.6
 203 18.4 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: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

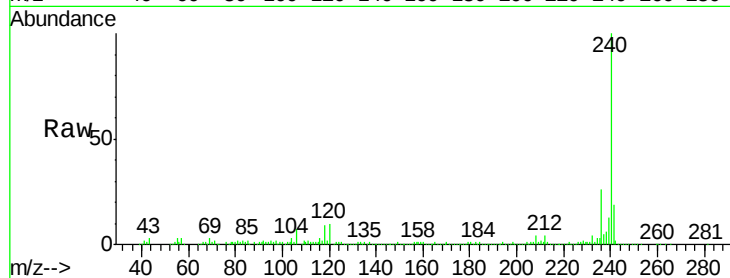
Tgt Ion:240 Resp: 233421

Ion Ratio Lower Upper

240 100

120 9.9 13.8 20.8#

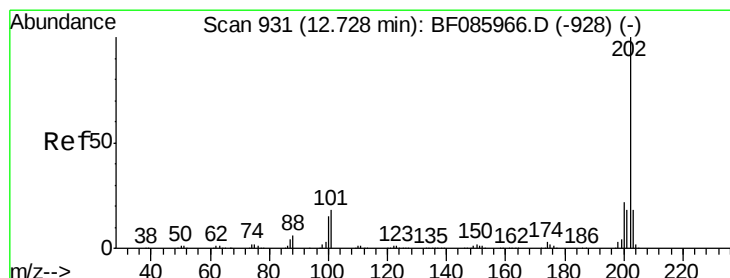
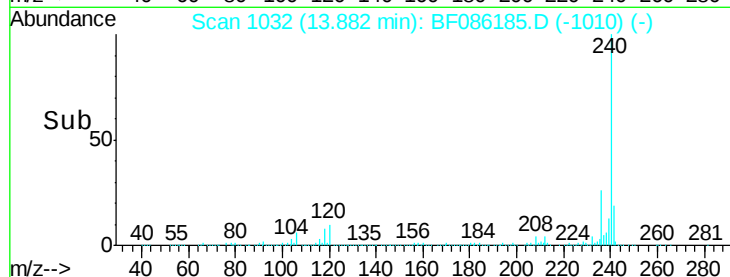
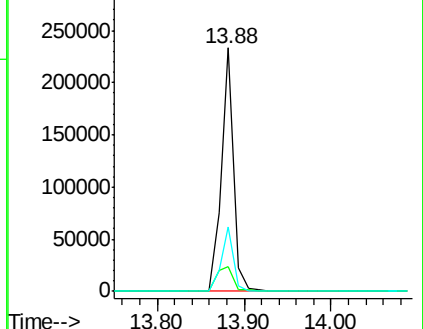
236 26.3 20.6 30.8



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: 3.70 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.05 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

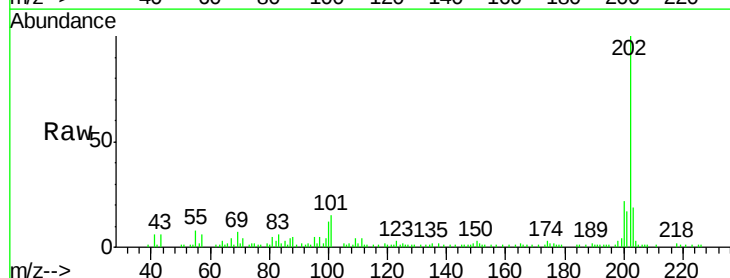
Tgt Ion:202 Resp: 60928

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

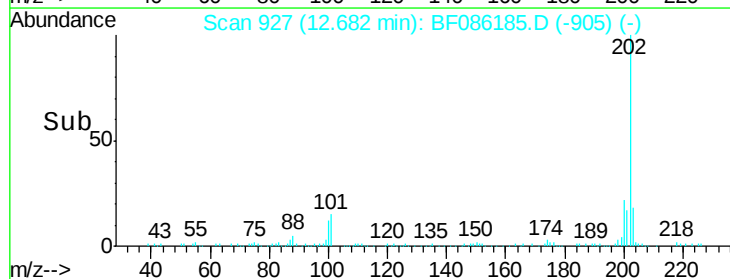
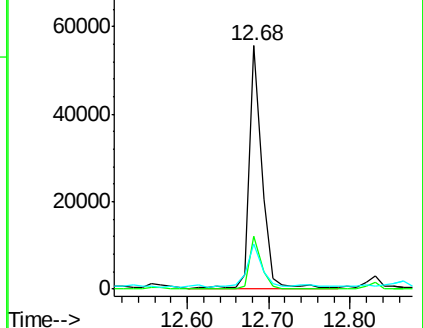
203 18.8 14.0 21.0

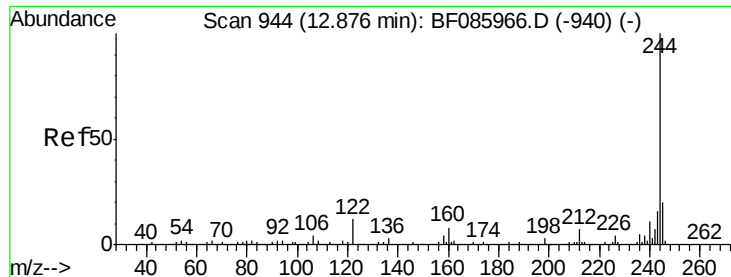


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.50 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

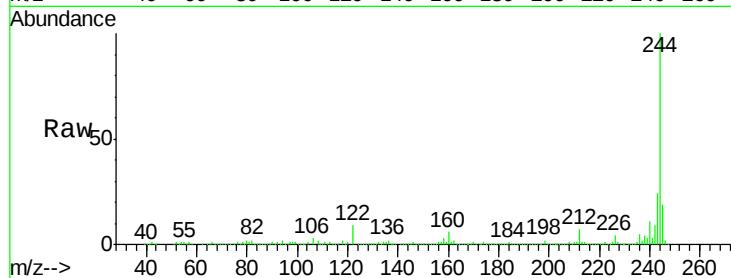
Tgt Ion:244 Resp: 789465

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

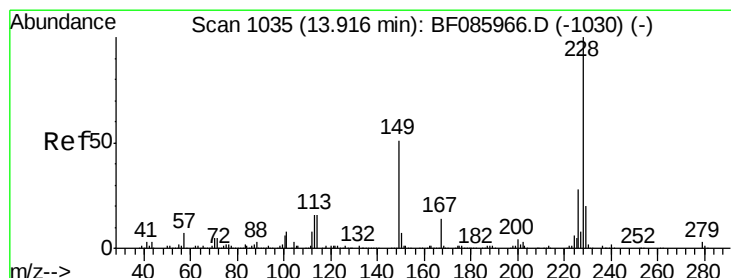
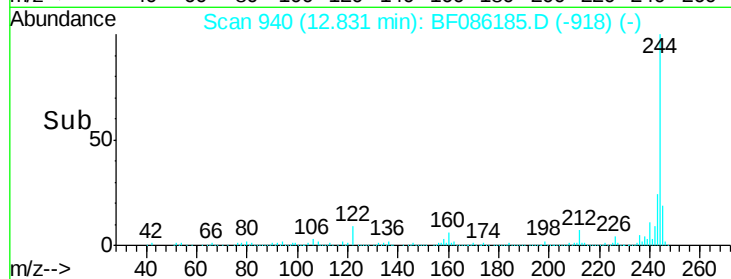
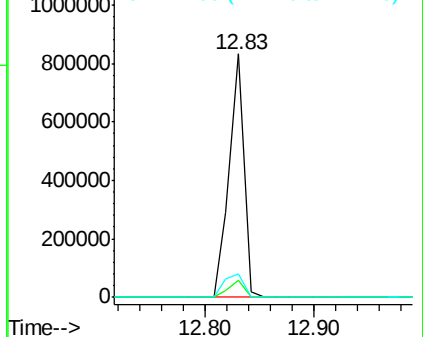
122 9.4 10.2 15.4#



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: 2.23 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

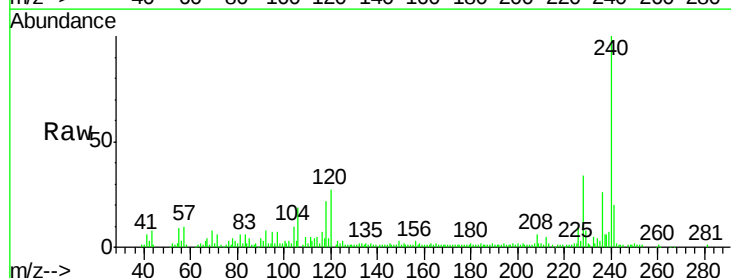
Tgt Ion:228 Resp: 30728

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

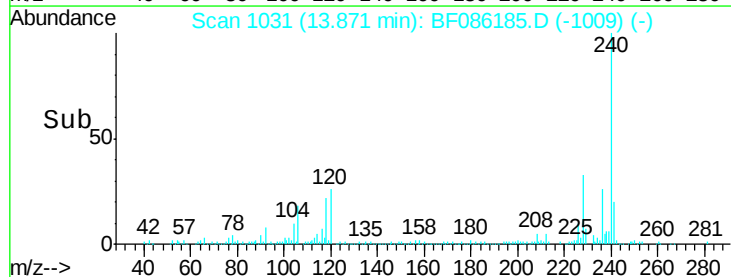
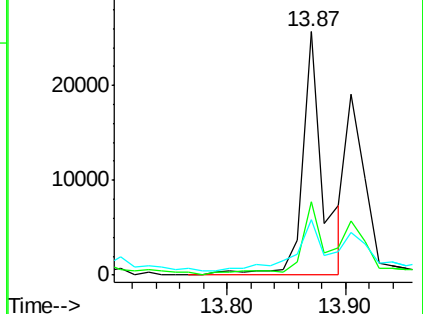
229 22.8 16.2 24.4

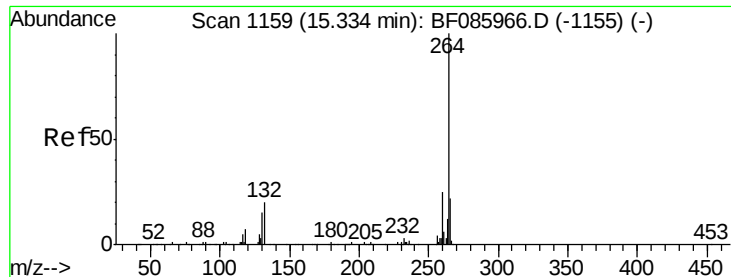


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



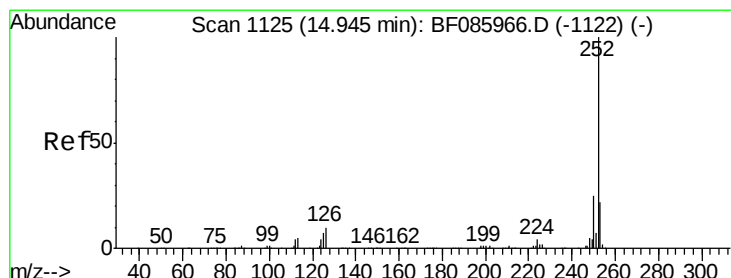
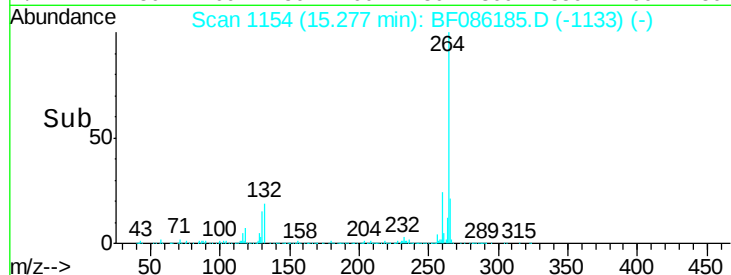
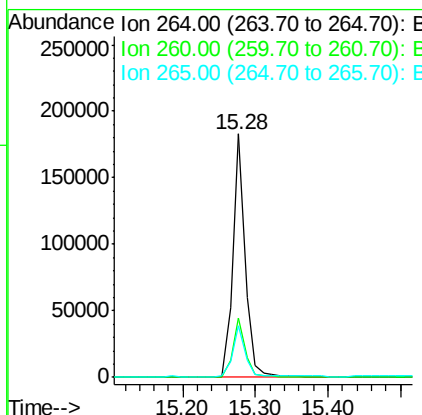
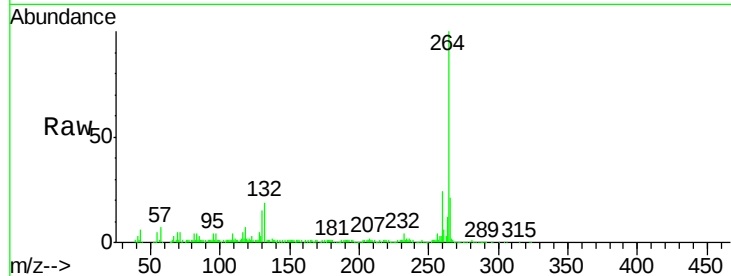


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Instrument :
BNA_F
ClientSampleId :
B-4PCOMP

Tgt Ion: 264 Resp: 216811

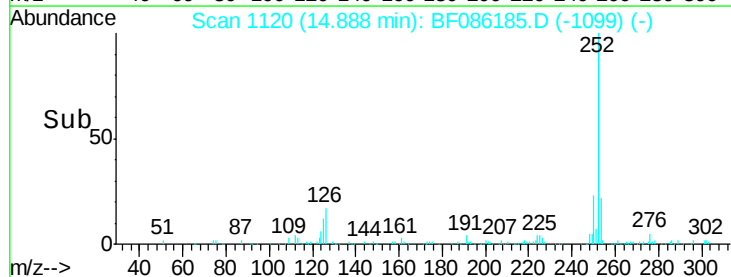
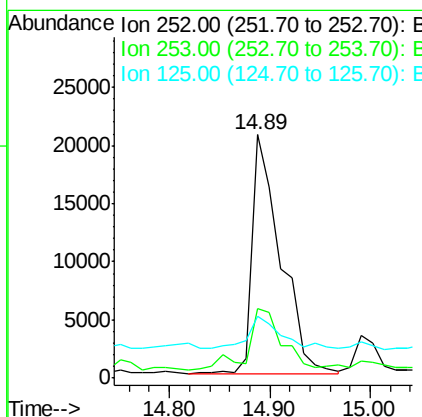
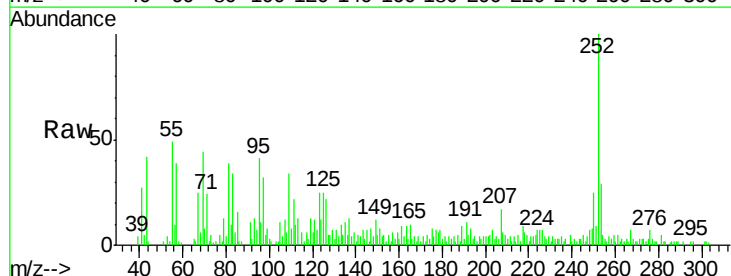
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.1	17.2	25.8

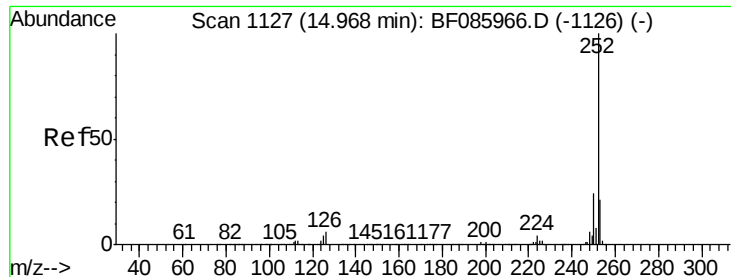


#87
Benzo(b)fluoranthene
Concen: 2.93 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.06 min
Lab File: BF086185.D
Acq: 8 Apr 2016 23:13

Tgt Ion: 252 Resp: 39920

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.6	26.4#
125	25.4	10.3	15.5#





#88

Benzo(k)fluoranthene

Concen: 3.31 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.08 min

Lab File: BF086185.D

Acq: 8 Apr 2016 23:13

Instrument :

BNA_F

ClientSampleId :

B-4PCOMP

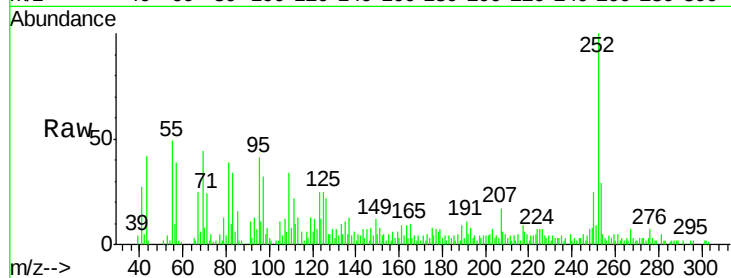
Tgt Ion: 252 Resp: 39920

Ion Ratio Lower Upper

252 100

253 28.6 17.8 26.6#

125 25.4 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

