

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
 Data File : BF086058.D
 Acq On : 5 Apr 2016 00:57
 Operator : UM/SJ
 Sample : H2096-02 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8COMP

Quant Time: Apr 05 04:15:44 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

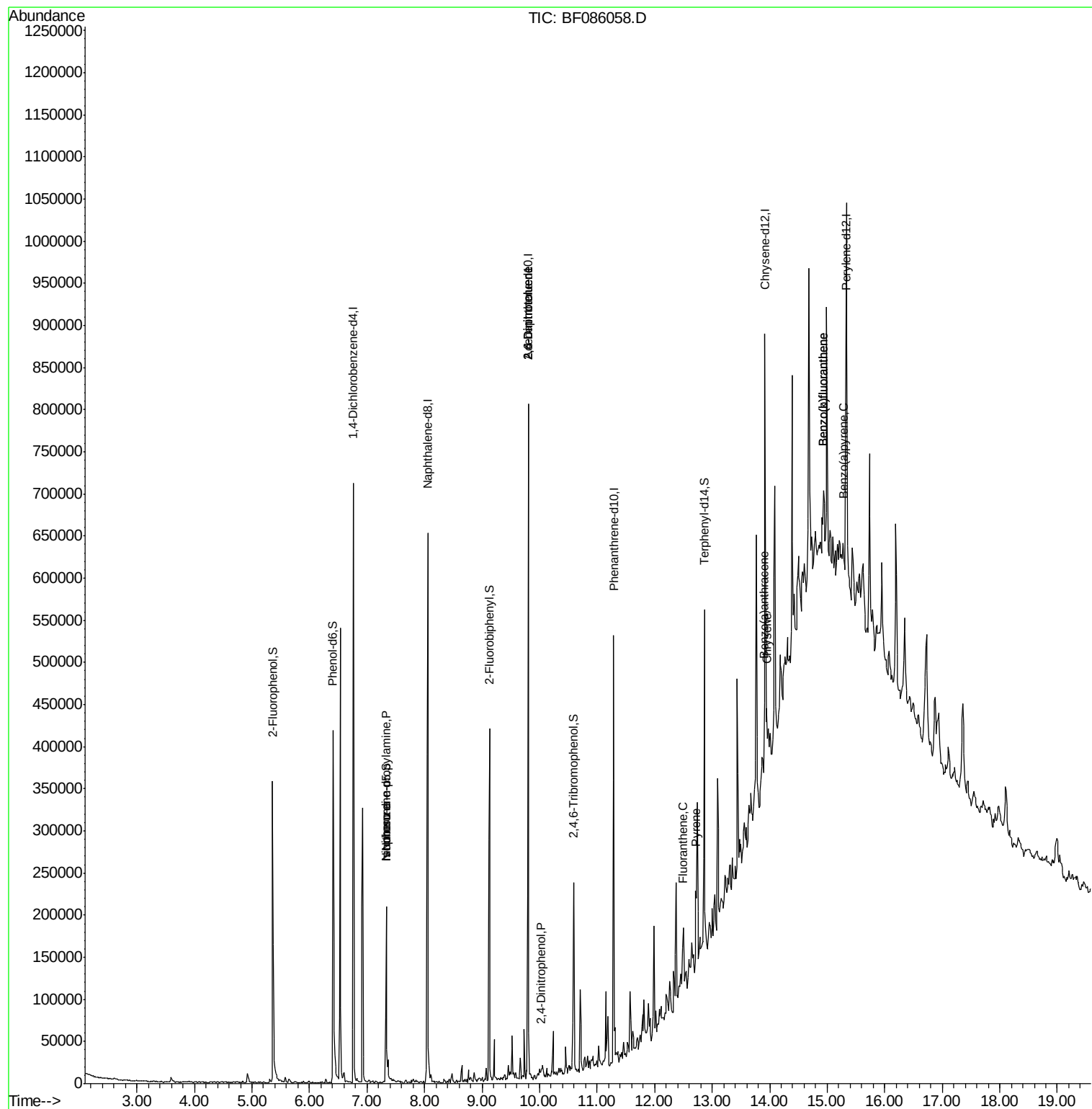
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	104672	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	377656	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	157254	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	236376	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	181786	20.00	ng	-0.01
86) Perylene-d12	15.33	264	136819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	143175	23.38	ng	-0.01
7) Phenol-d6	6.41	99	194698	25.03	ng	-0.01
23) Nitrobenzene-d5	7.33	82	92938	14.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	23396	15.85	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	173968	18.39	ng	-0.01
78) Terphenyl-d14	12.87	244	114450	14.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	12936	2.68	ng	# 76
25) Isophorone	7.33	82	75040	5.94	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	20323	8.24	ng	# 19
53) 2,4-Dinitrophenol	10.03	184	527	2.53	ng	# 9
56) 2,4-Dinitrotoluene	9.80	165	20323	6.52	ng	# 37
74) Fluoranthene	12.50	202	38906	2.90	ng	90
77) Pyrene	12.72	202	42072	3.28	ng	96
80) Benzo(a)anthracene	13.91	228	29464	2.75	ng	# 85
82) Chrysene	13.95	228	26190	2.54	ng	# 87
87) Benzo(b)fluoranthene	14.93	252	37804	4.39	ng	# 50
88) Benzo(k)fluoranthene	14.93	252	37804	4.96	ng	# 47
89) Benzo(a)pyrene	15.28	252	18730	2.46	ng	# 68

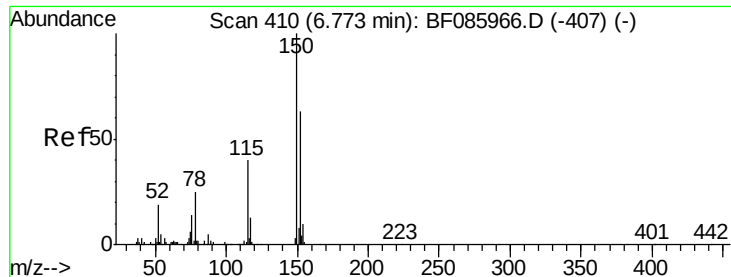
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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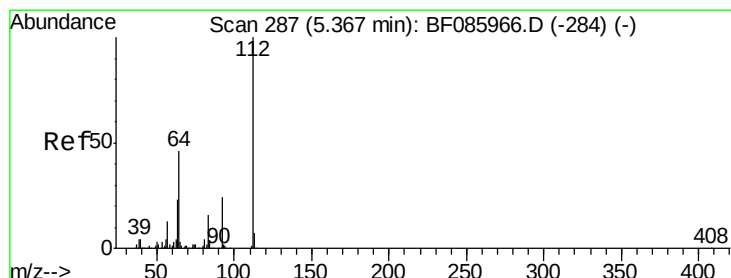
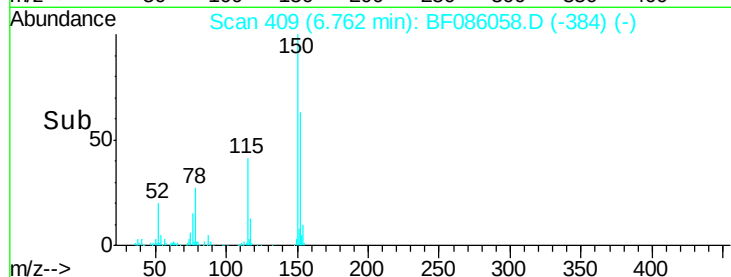
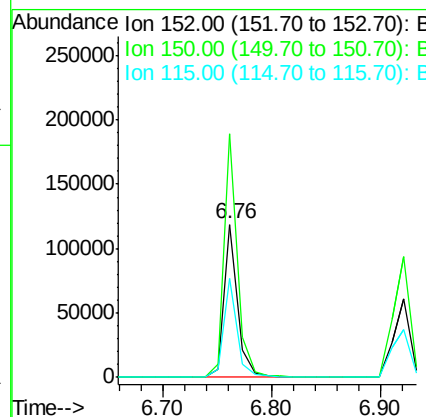
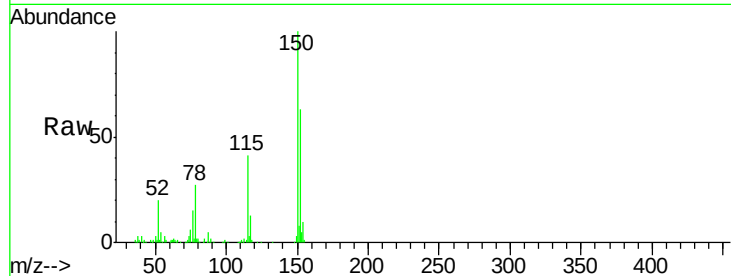


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Instrument :
BNA_F
ClientSampleId :
TEC-B8COMP

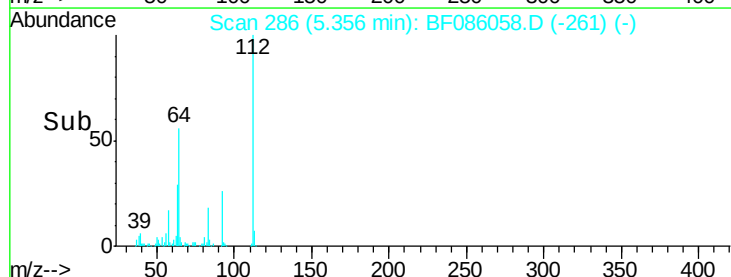
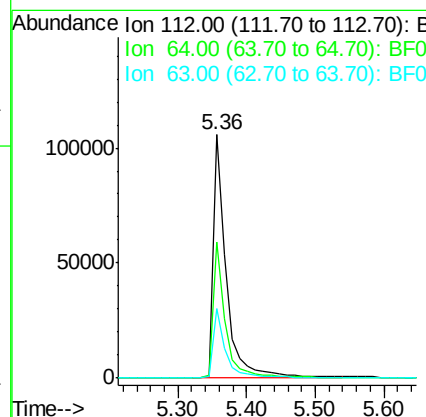
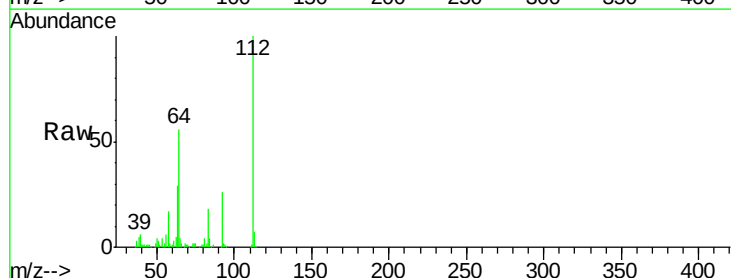
Tgt Ion:152 Resp: 104672
Ion Ratio Lower Upper
152 100
150 159.2 124.2 186.2
115 64.7 47.0 70.6

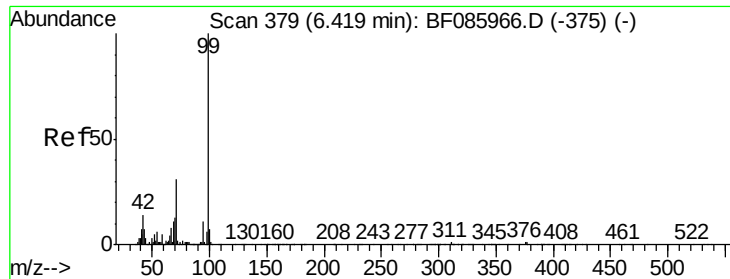


#5

2-Fluorophenol
Concen: 23.38 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.01 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Tgt Ion:112 Resp: 143175
Ion Ratio Lower Upper
112 100
64 56.1 39.9 59.9
63 28.7 20.2 30.2





#7

Phenol-d6

Concen: 25.03 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

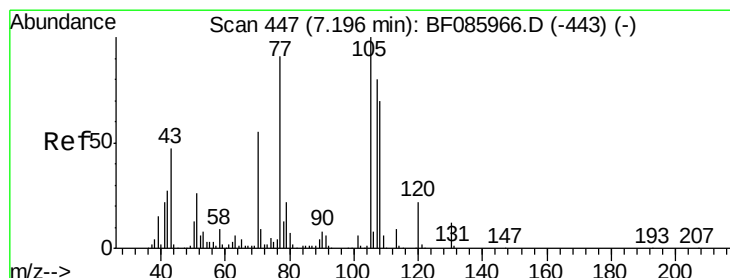
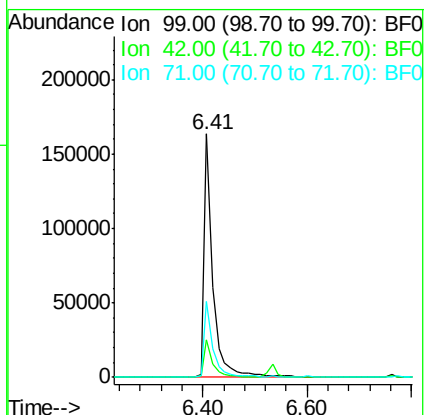
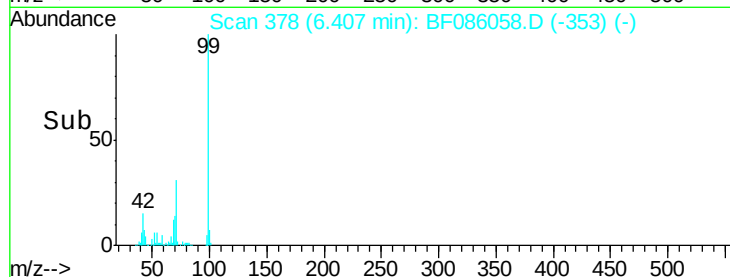
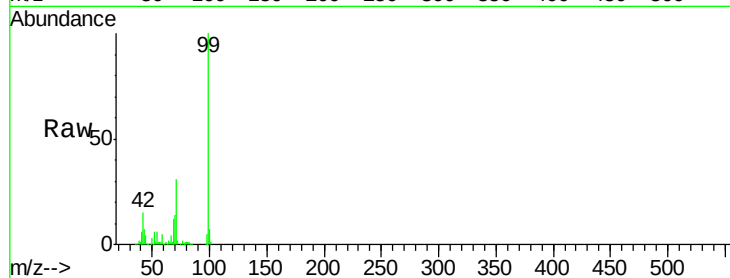
Tgt Ion: 99 Resp: 194698

Ion Ratio Lower Upper

99 100

42 15.3 11.1 16.7

71 31.1 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.68 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Tgt Ion: 70 Resp: 12936

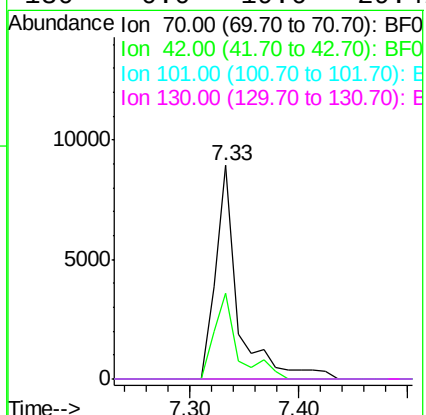
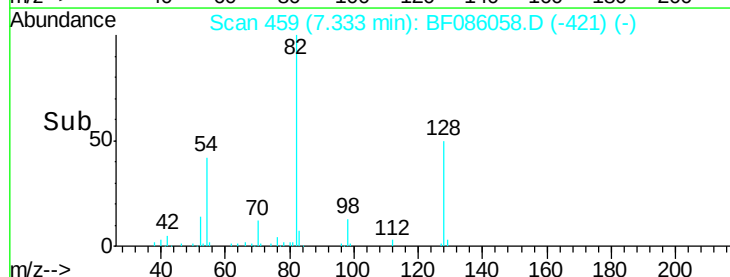
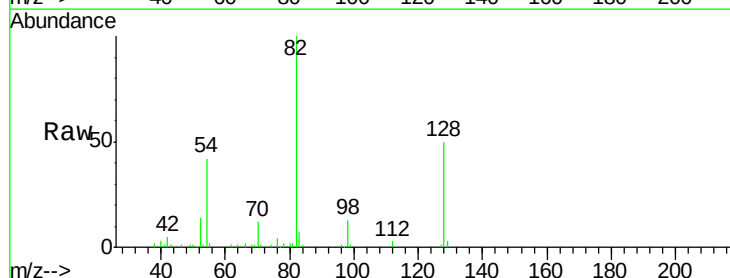
Ion Ratio Lower Upper

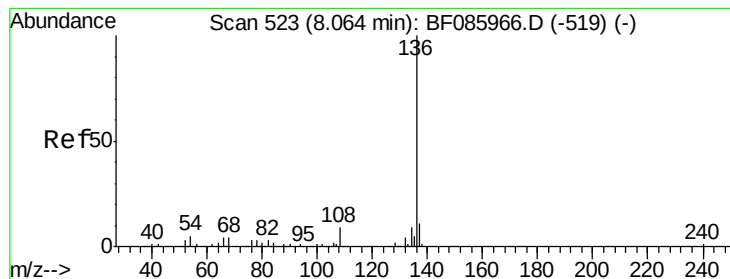
70 100

42 40.1 37.1 55.7

101 0.0 8.6 12.8#

130 0.0 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

Tgt Ion:136 Resp: 377656

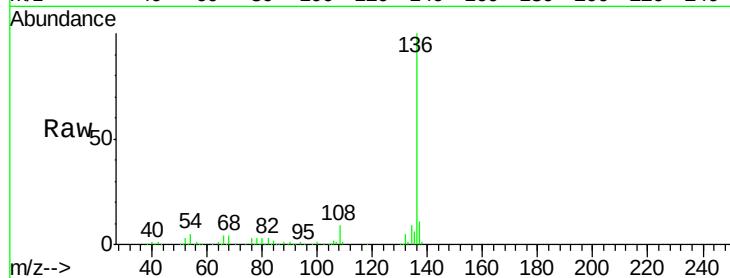
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 4.9 7.4 11.0#

68 4.4 5.8 8.8#

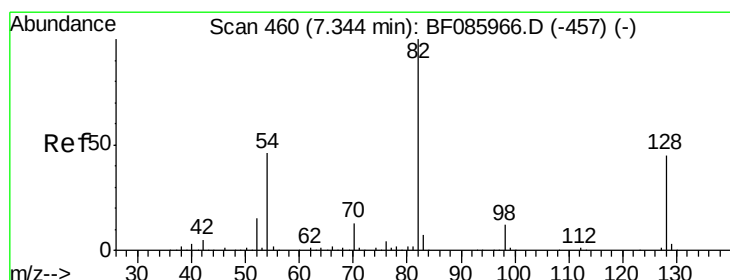
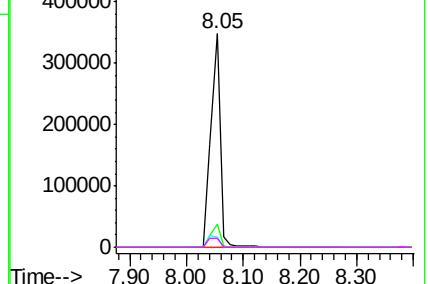
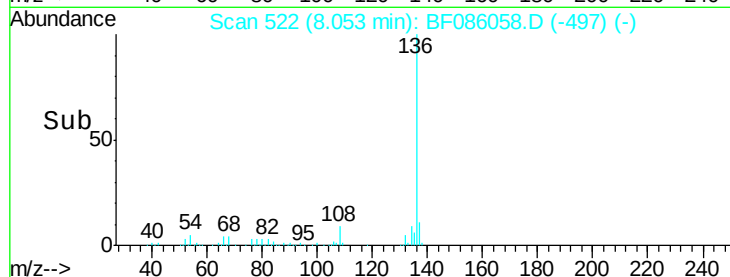


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.51 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

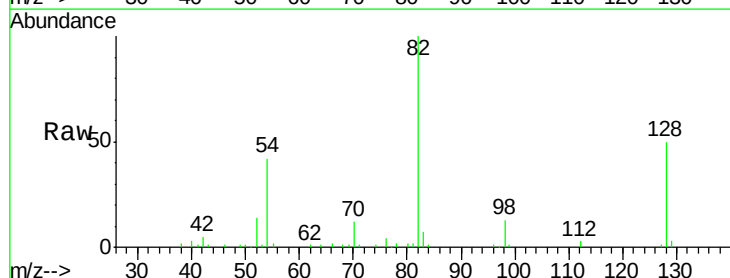
Tgt Ion: 82 Resp: 92938

Ion Ratio Lower Upper

82 100

128 49.9 41.8 62.8

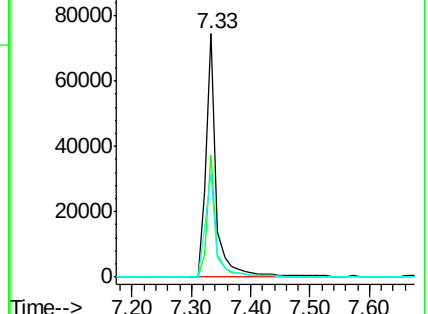
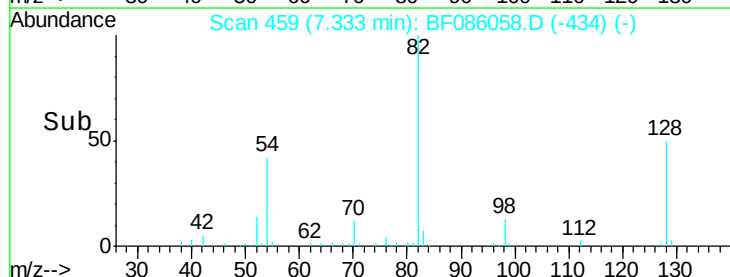
54 42.4 33.4 50.0

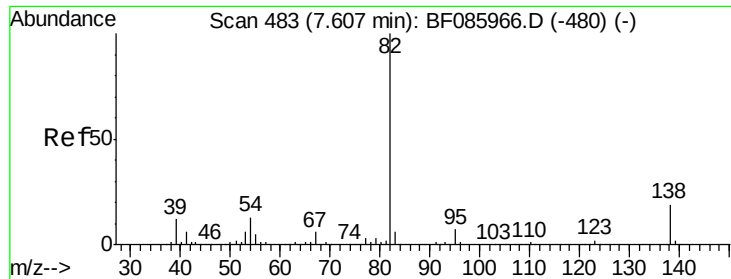


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 5.94 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

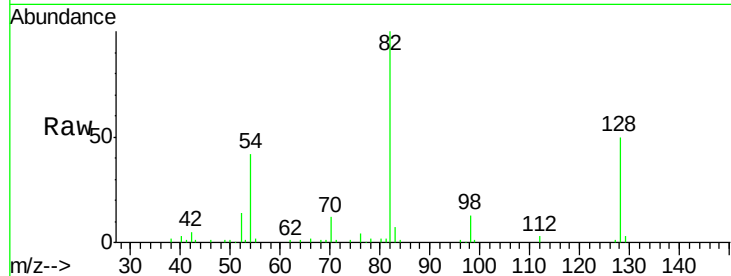
Tgt Ion: 82 Resp: 75040

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

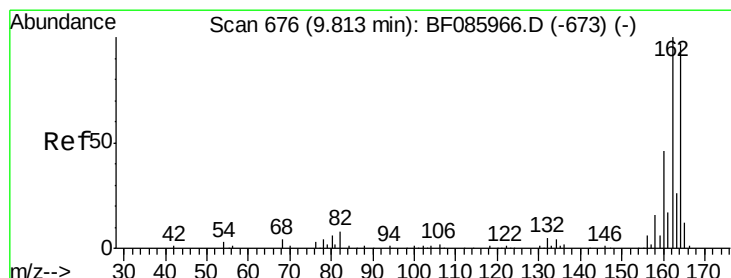
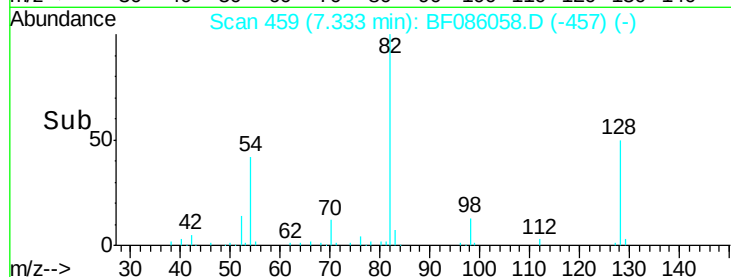
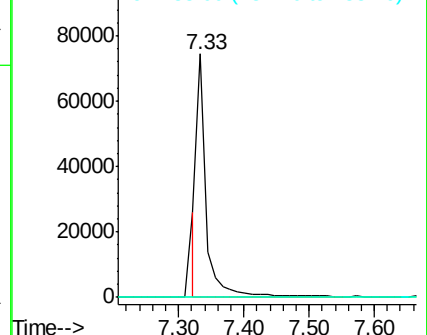
138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

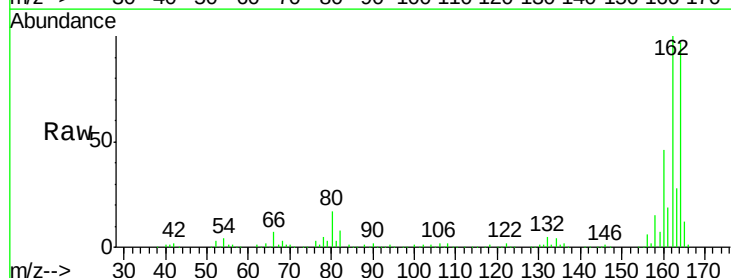
Tgt Ion: 164 Resp: 157254

Ion Ratio Lower Upper

164 100

162 102.8 82.1 123.1

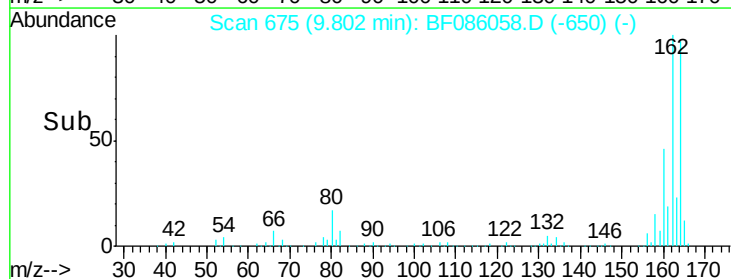
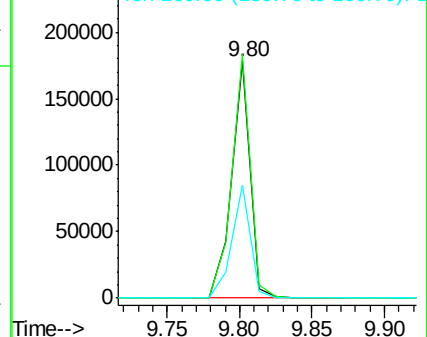
160 47.6 37.4 56.2

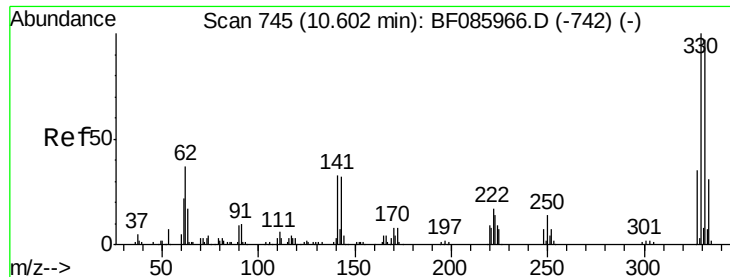


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

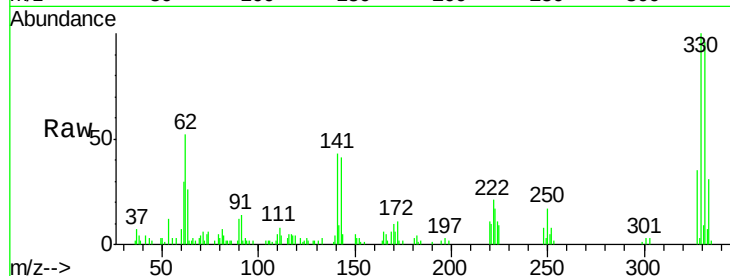




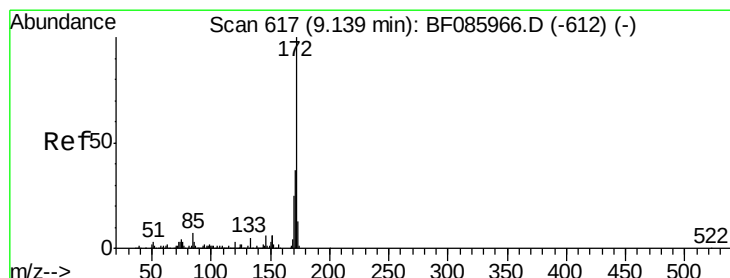
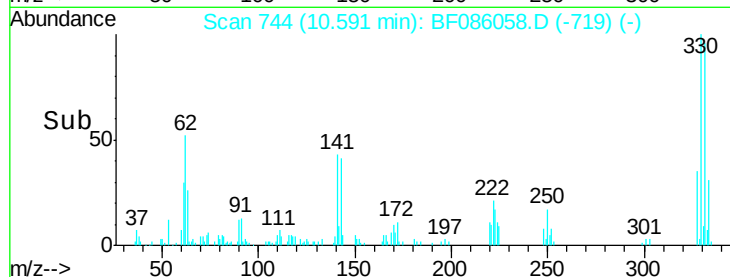
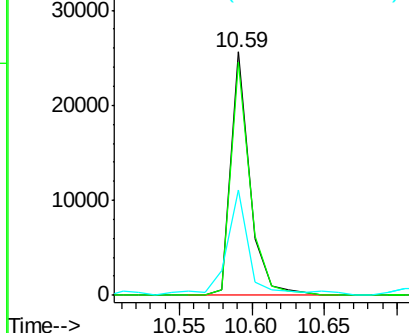
#41
 2,4,6-Tribromophenol
 Concen: 15.85 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8COMP

Tgt Ion:330 Resp: 23396
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.2 117.2
 141 53.9 31.5 47.3#

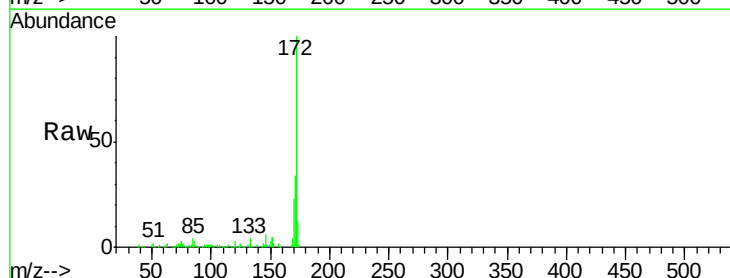


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

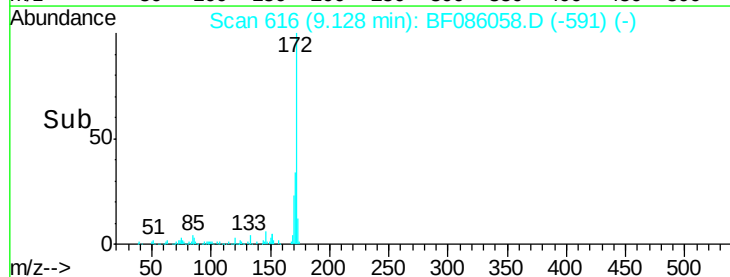
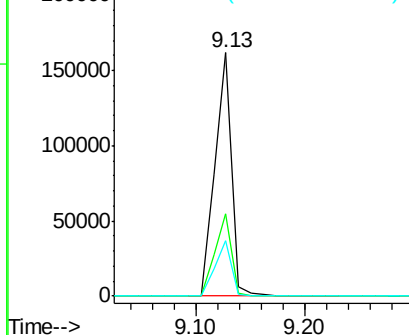


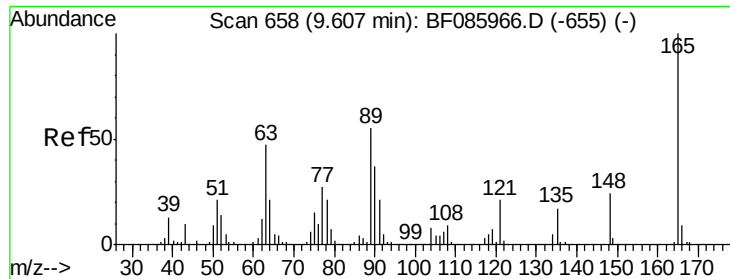
#44
 2-Fluorobiphenyl
 Concen: 18.39 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

Tgt Ion:172 Resp: 173968
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.4 44.2
 170 22.7 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





#50

2,6-Dinitrotoluene

Concen: 8.24 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

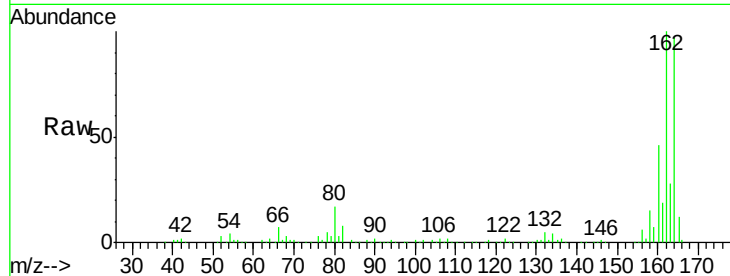
Tgt Ion:165 Resp: 20323

Ion Ratio Lower Upper

165 100

63 1.6 51.8 77.8#

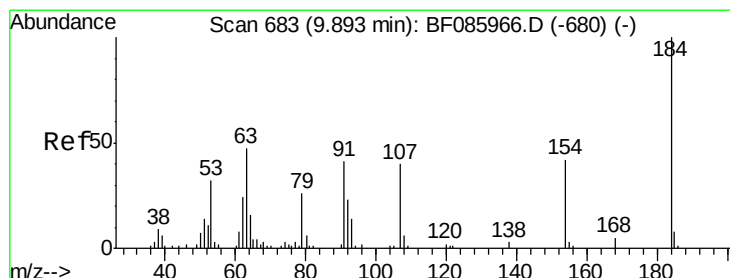
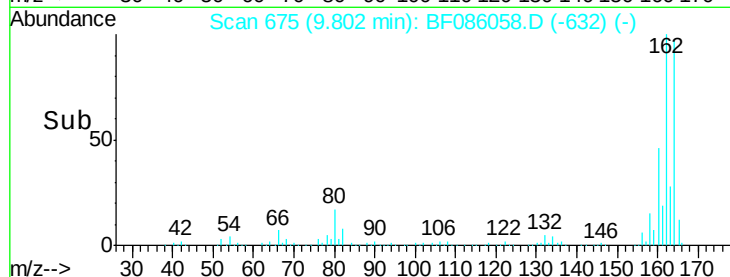
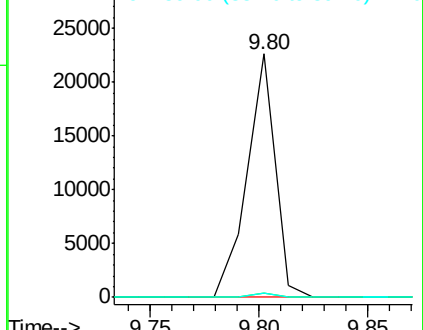
89 1.9 53.7 80.5#



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



#53

2,4-Dinitrophenol

Concen: 2.53 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.14 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

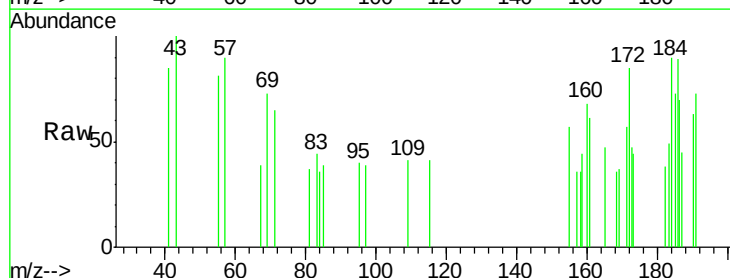
Tgt Ion:184 Resp: 527

Ion Ratio Lower Upper

184 100

63 0.0 69.5 104.3#

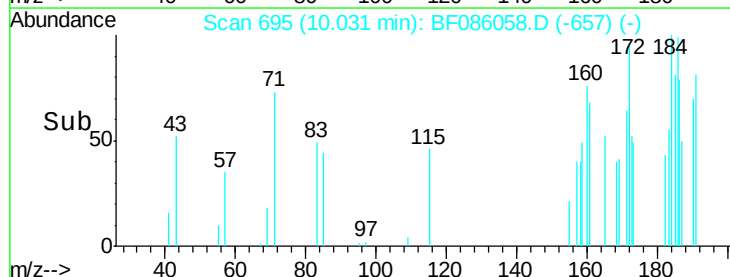
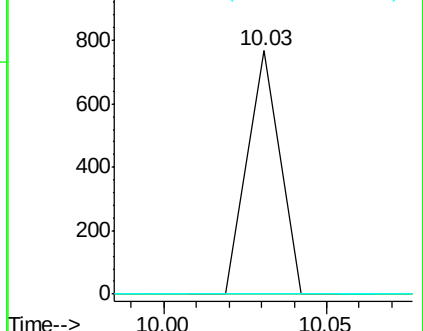
154 0.0 58.3 87.5#

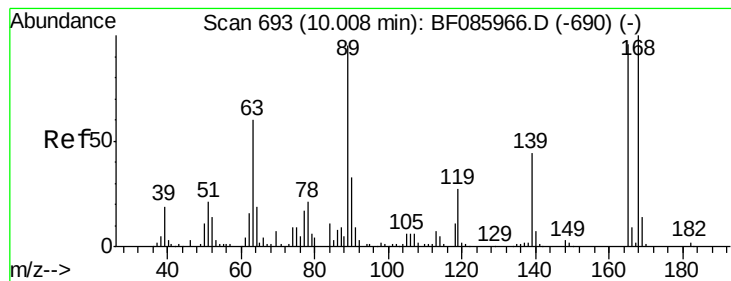


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

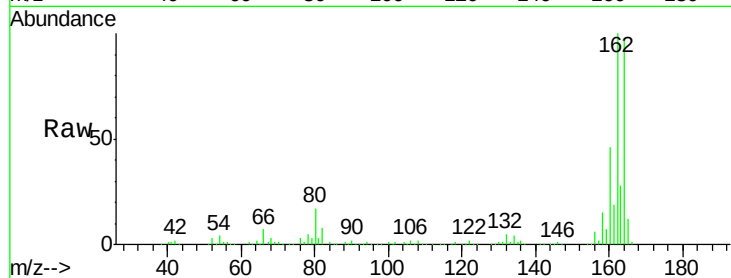




#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8COMP

Tgt 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#

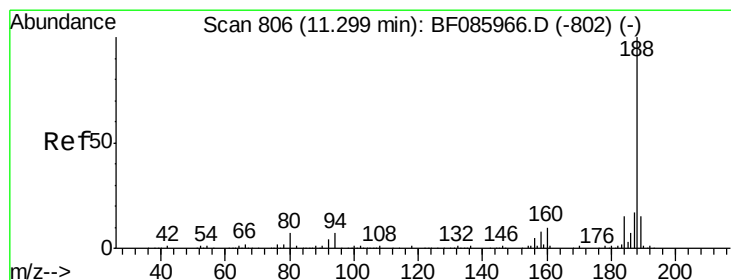
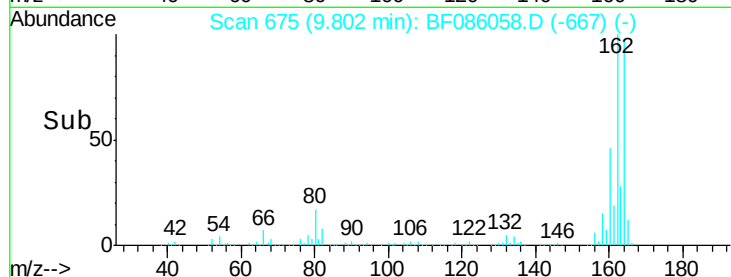
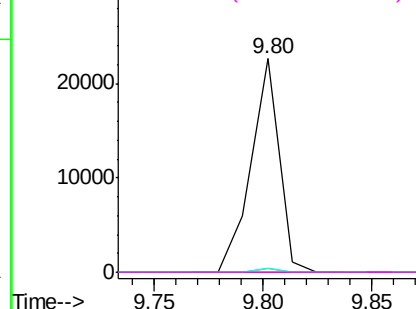


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

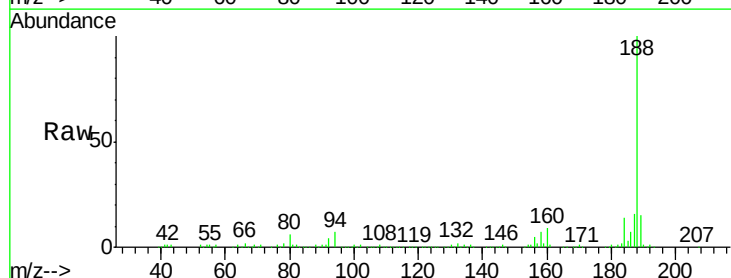
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

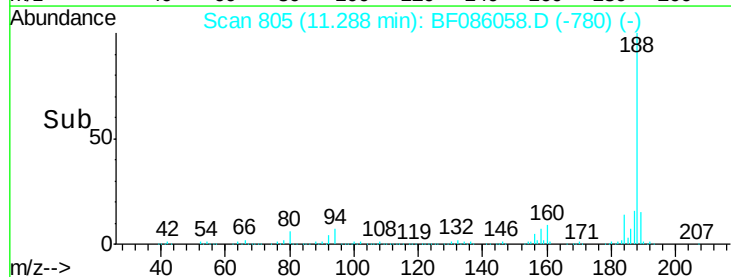
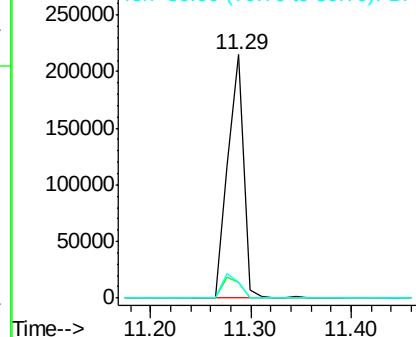
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.4	8.0
80	6.5	5.5	8.3

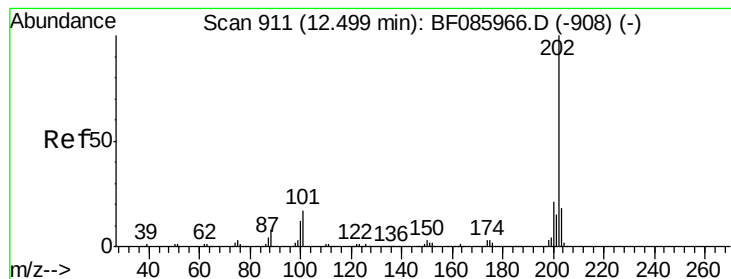


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.90 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

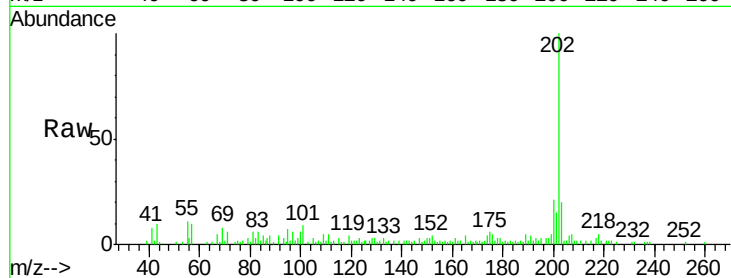
Tgt Ion:202 Resp: 38906

Ion Ratio Lower Upper

202 100

101 9.5 0.0 36.6

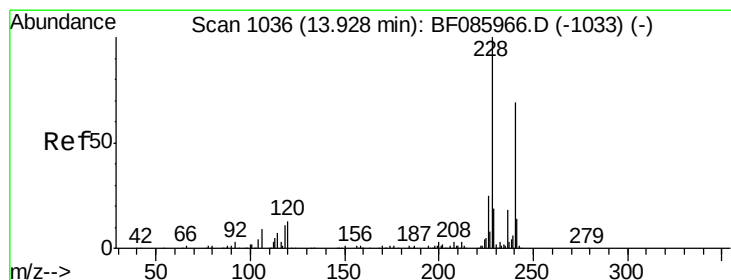
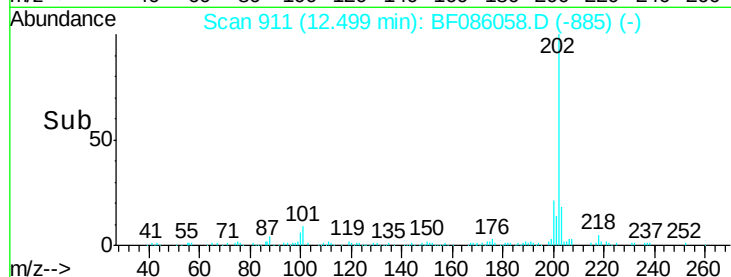
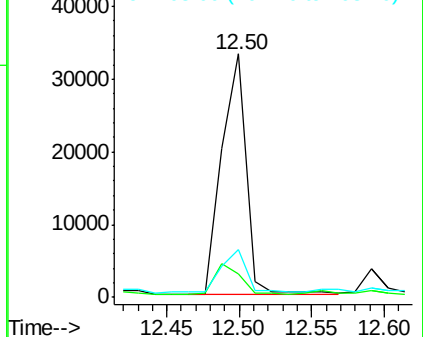
203 19.6 0.0 38.1



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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

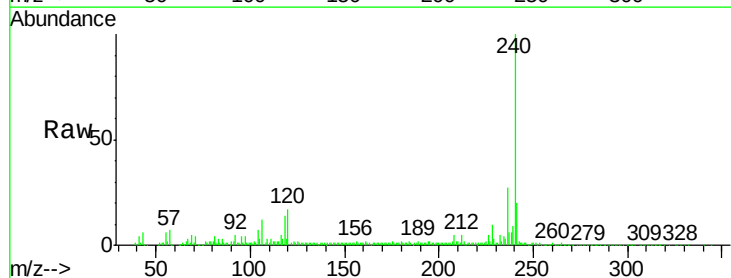
Tgt Ion:240 Resp: 181786

Ion Ratio Lower Upper

240 100

120 16.9 13.8 20.8

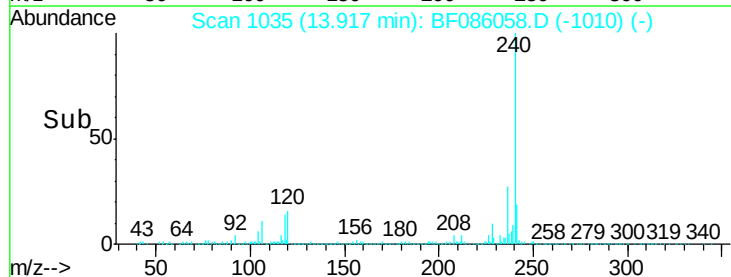
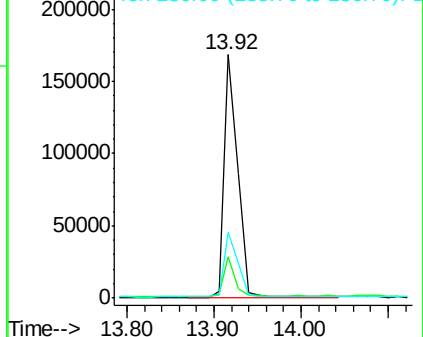
236 27.1 20.6 30.8

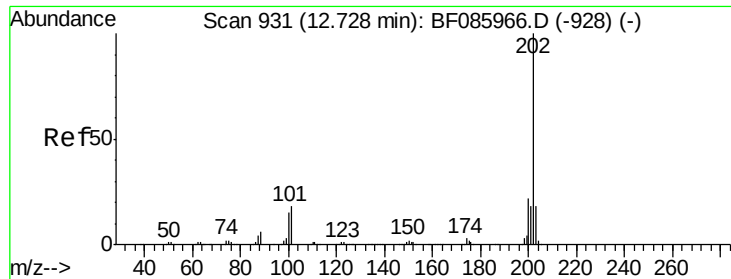


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

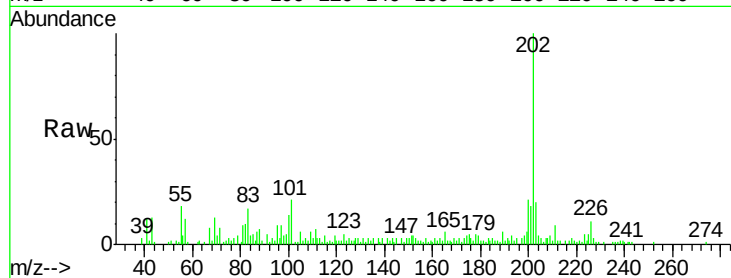




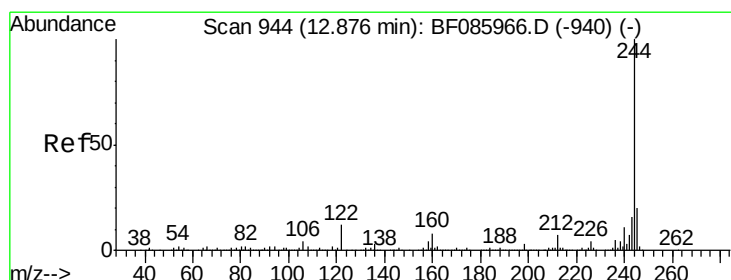
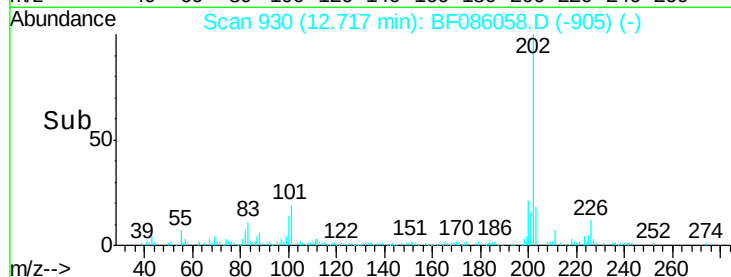
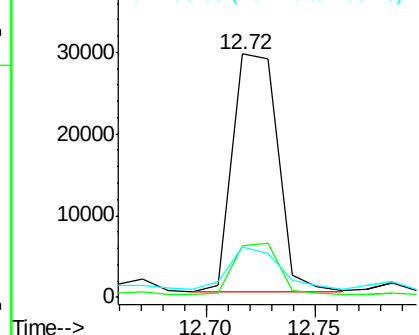
#77
 Pyrene
 Concen: 3.28 ng
 RT: 12.72 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8COMP

Tgt Ion:	202	Resp:	42072
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	20.5	14.0	21.0

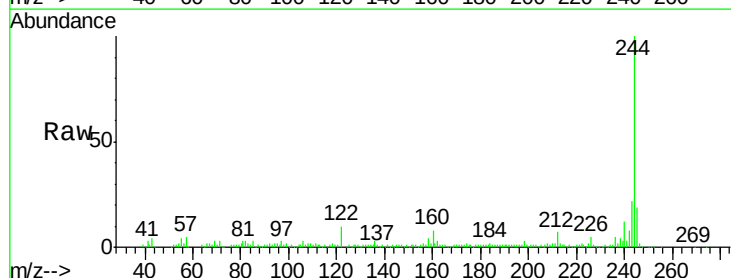


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

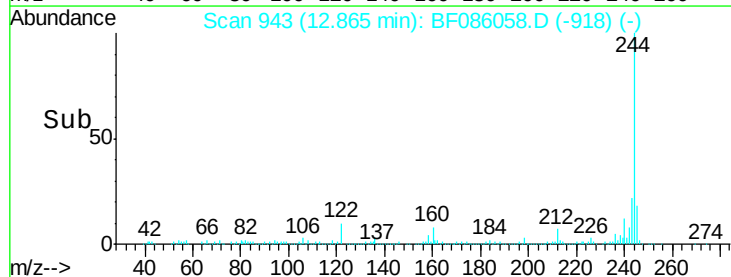
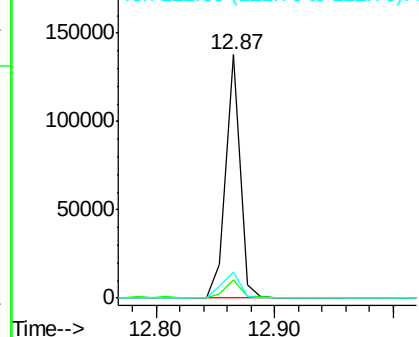


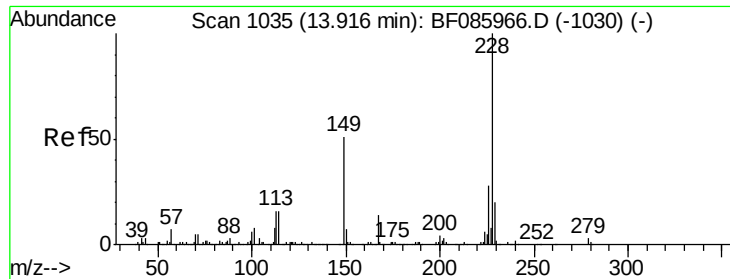
#78
 Terphenyl-d14
 Concen: 14.80 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086058.D
 Acq: 5 Apr 2016 00:57

Tgt Ion:	244	Resp:	114450
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	10.5	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: 2.75 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

Instrument :

BNA_F

ClientSampleId :

TEC-B8COMP

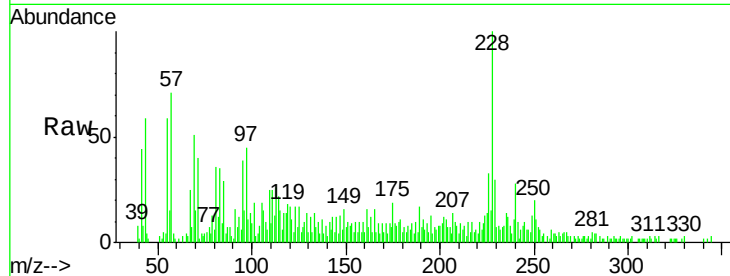
Tgt Ion:228 Resp: 29464

Ion Ratio Lower Upper

228 100

226 33.2 22.1 33.1#

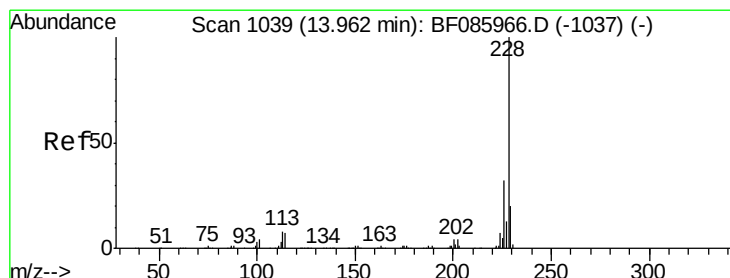
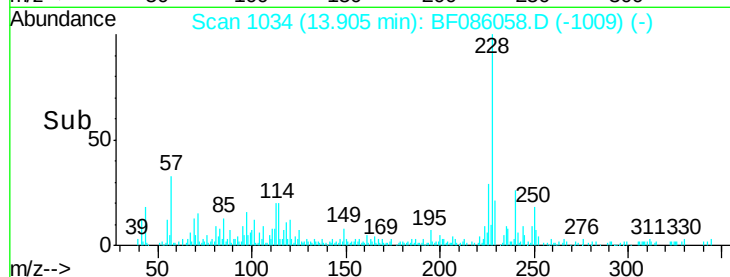
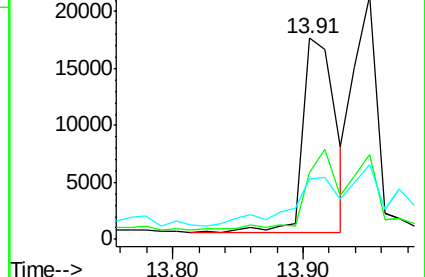
229 30.2 16.2 24.4#



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: 2.54 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086058.D

Acq: 5 Apr 2016 00:57

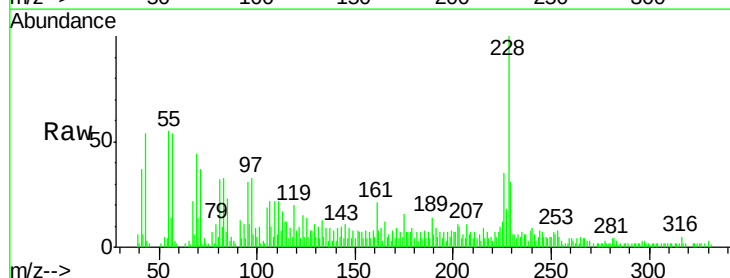
Tgt Ion:228 Resp: 26190

Ion Ratio Lower Upper

228 100

226 35.0 25.0 37.6

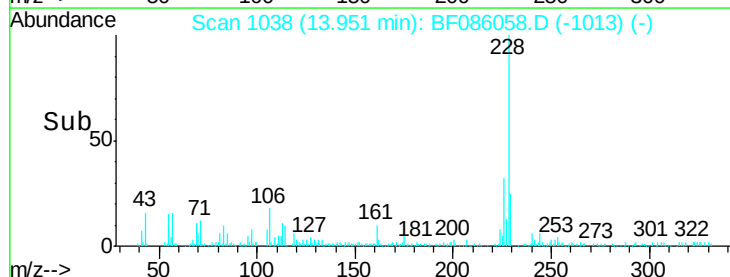
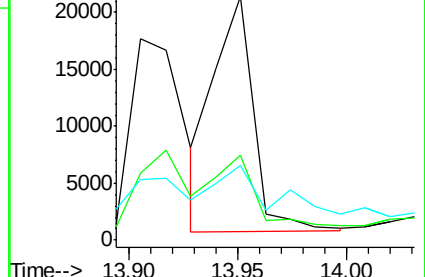
229 30.5 15.7 23.5#

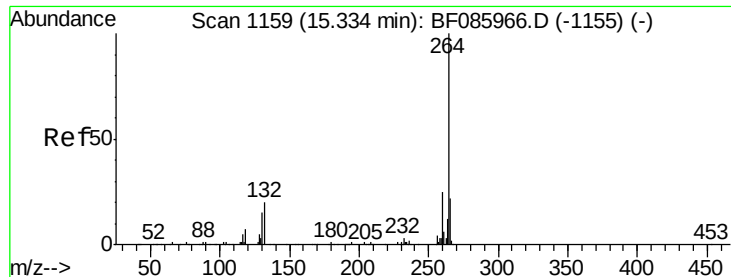


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



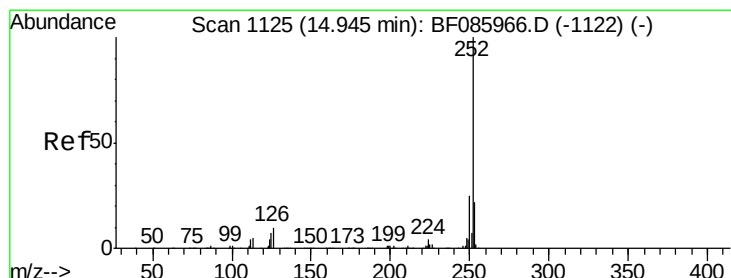
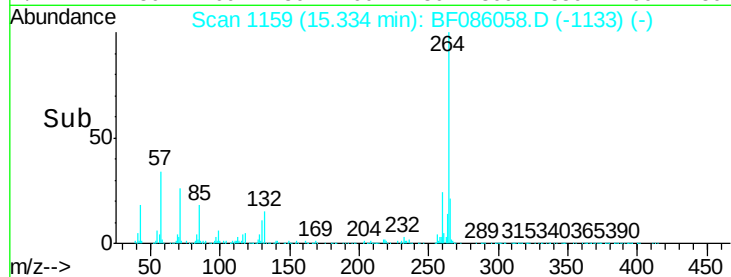
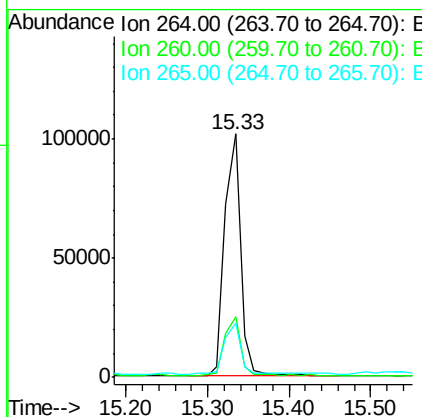
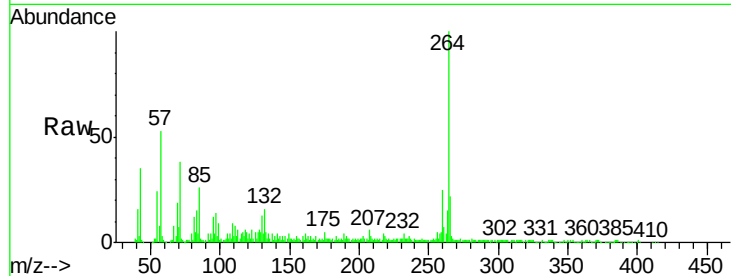


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Instrument :
BNA_F
ClientSampleId :
TEC-B8COMP

Tgt Ion: 264 Resp: 136819

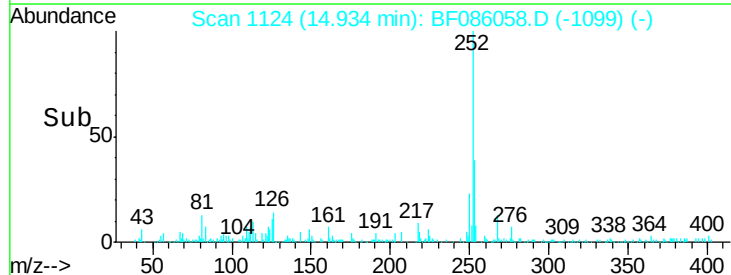
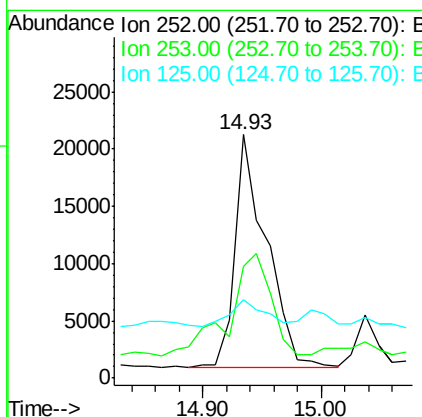
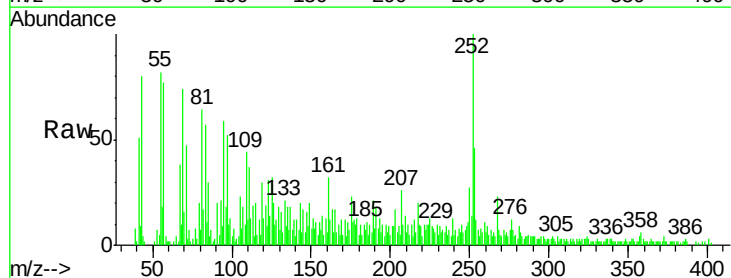
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	22.5	17.2	25.8

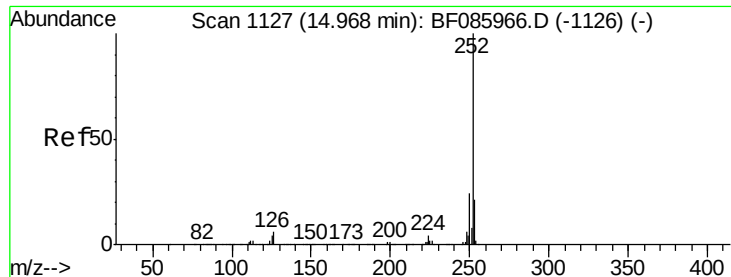


#87
Benzo(b)fluoranthene
Concen: 4.39 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Tgt Ion: 252 Resp: 37804

Ion	Ratio	Lower	Upper
252	100		
253	45.7	17.6	26.4#
125	32.4	10.3	15.5#

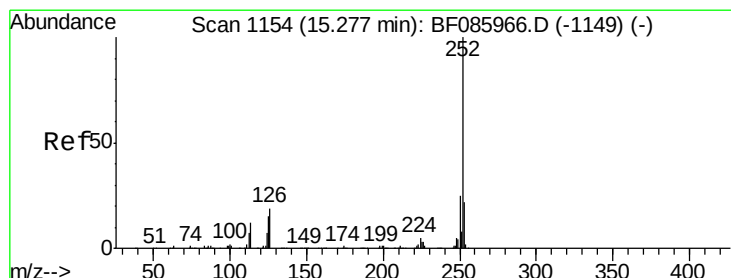
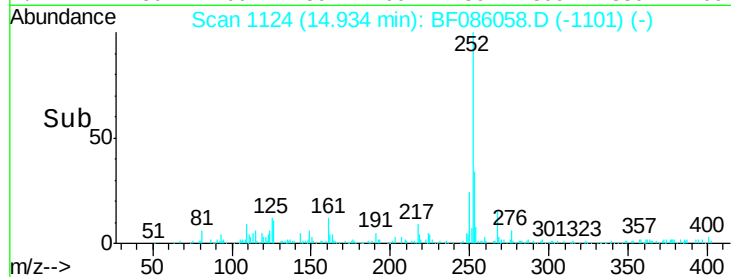
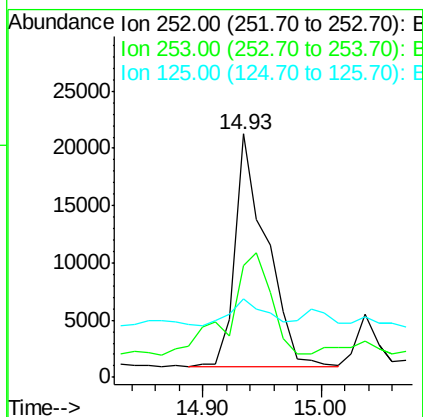
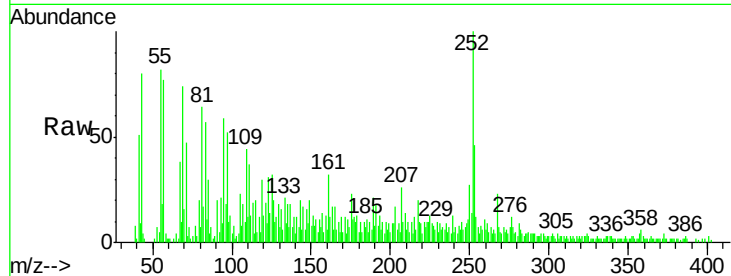




#88
Benzo(k)fluoranthene
Concen: 4.96 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Instrument :
BNA_F
ClientSampleId :
TEC-B8COMP

Tgt Ion: 252 Resp: 37804
Ion Ratio Lower Upper
252 100
253 45.7 17.8 26.6#
125 32.4 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086058.D
Acq: 5 Apr 2016 00:57

Tgt Ion: 252 Resp: 18730
Ion Ratio Lower Upper
252 100
253 30.6 17.4 26.0#
125 34.8 10.3 15.5#

