

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
 Data File : BF092965.D
 Acq On : 15 Feb 2017 21:47
 Operator : SJ/MA
 Sample : I1859-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:33:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

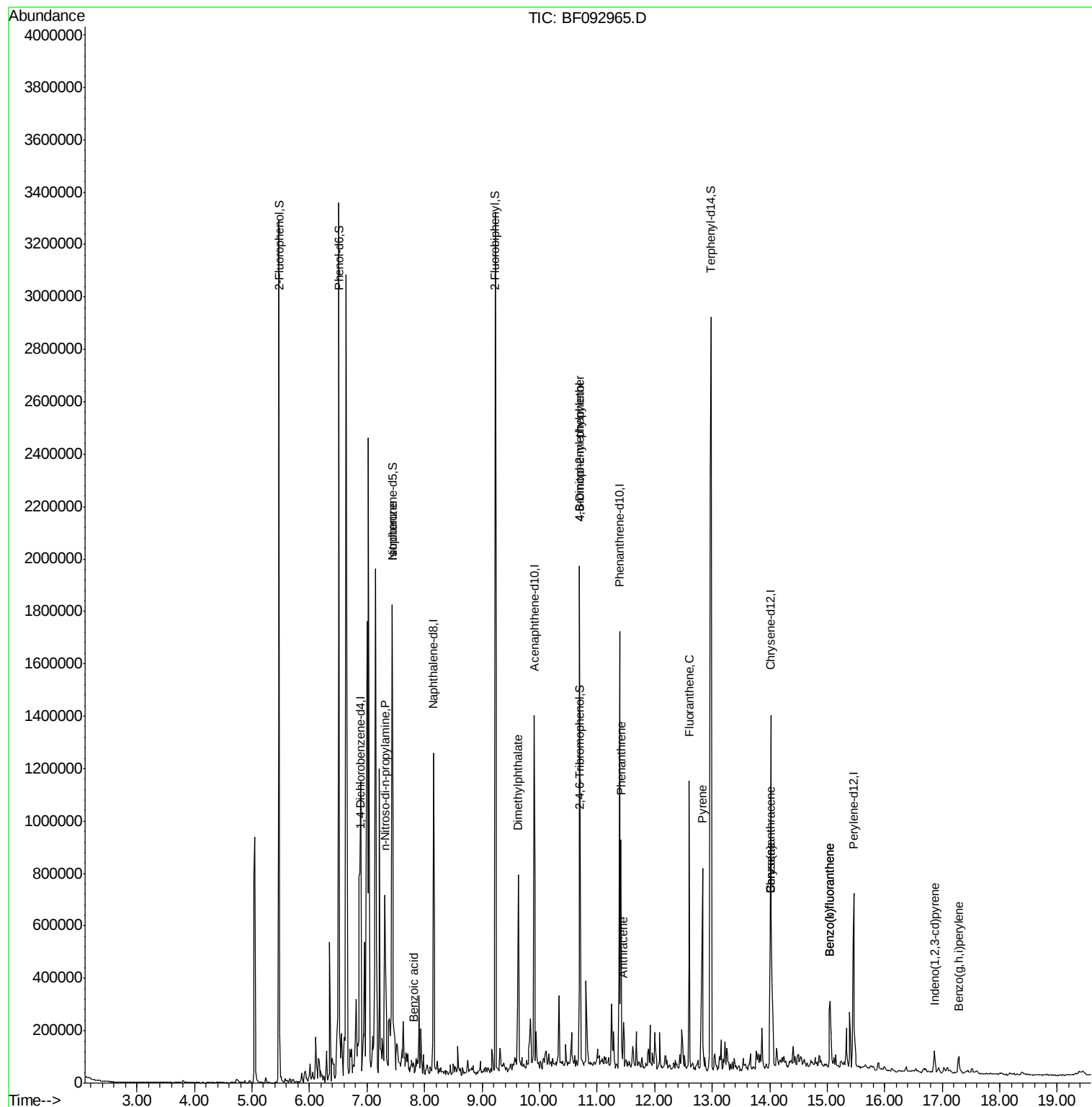
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	149430	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	599831	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	351538	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	573542	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	412799	20.00	ng	-0.03
86) Perylene-d12	15.46	264	325576	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	930079	106.78	ng	-0.01
7) Phenol-d6	6.51	99	1225675	109.37	ng	-0.02
23) Nitrobenzene-d5	7.44	82	679451	63.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	257714	101.36	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	1291909	66.58	ng	-0.01
78) Terphenyl-d14	12.98	244	1229567	69.99	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	42268	5.92	ng	# 50
25) Isophorone	7.44	82	604210	30.10	ng	# 65
32) Benzoic acid	7.81	122	208	7.20	ng	# 1
49) Dimethylphthalate	9.63	163	248802	10.51	ng	99
64) 4,6-Dinitro-2-methylphenol	10.69	198	512	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	18548	3.10	ng	# 1
70) Phenanthrene	11.41	178	300752	9.15	ng	97
71) Anthracene	11.46	178	80663	2.44	ng	97
74) Fluoranthene	12.60	202	461392	13.61	ng	93
77) Pyrene	12.83	202	373871	12.10	ng	98
80) Benzo(a)anthracene	14.01	228	182763	7.24	ng	99
82) Chrysene	14.01	228	182763	7.73	ng	95
85) Indeno(1,2,3-cd)pyrene	16.87	276	57710	3.15	ng	96
87) Benzo(b)fluoranthene	15.05	252	195741	9.13	ng	97
88) Benzo(k)fluoranthene	15.05	252	195741	10.58	ng	96
91) Benzo(g,h,i)perylene	17.29	276	54632	3.61	ng	# 91

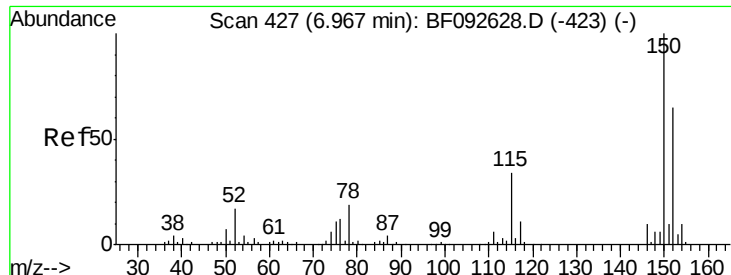
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
Data File : BF092965.D
Acq On : 15 Feb 2017 21:47
Operator : SJ/MA
Sample : I1859-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 16 00:33:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

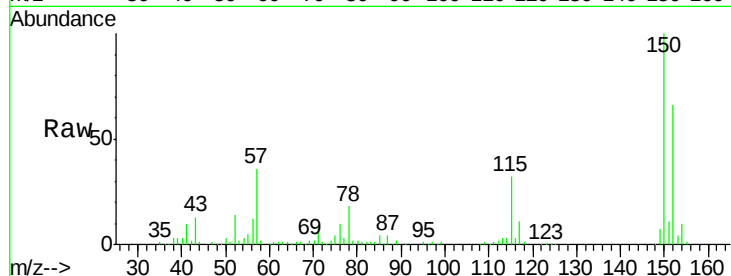




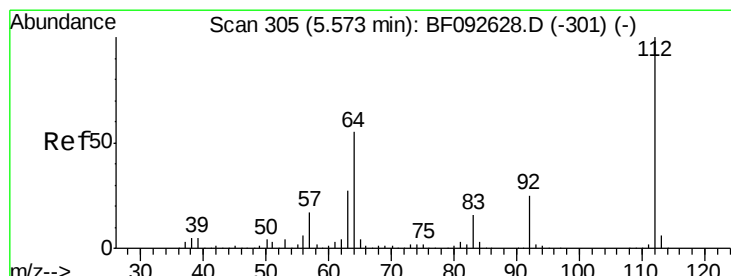
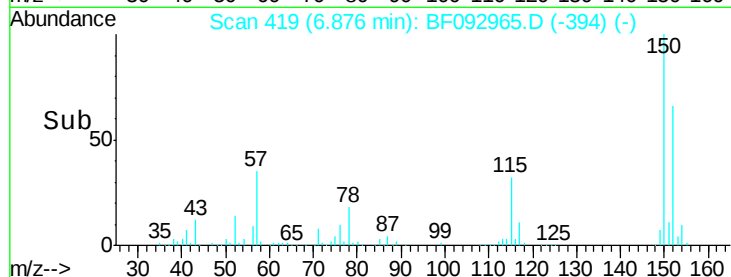
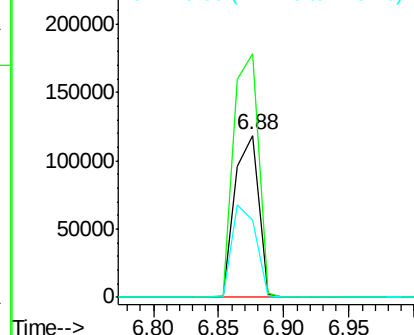
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BF092965.D
 Acq: 15 Feb 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 149430
 Ion Ratio Lower Upper
 152 100
 150 150.5 124.9 187.3
 115 47.8 46.0 69.0

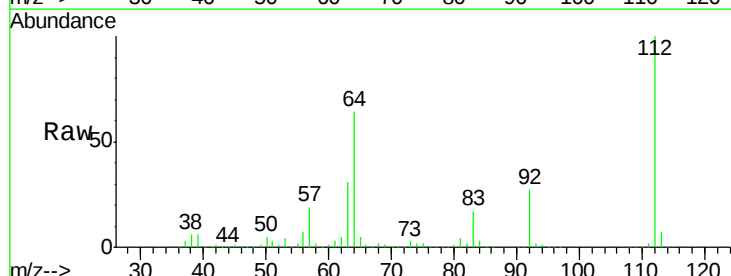


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

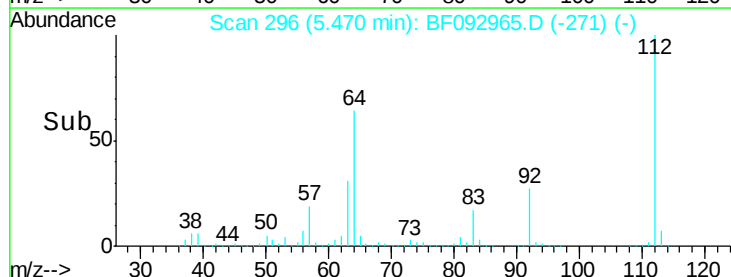
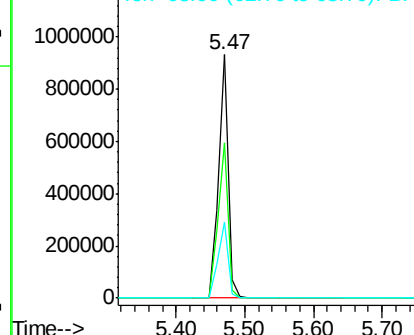


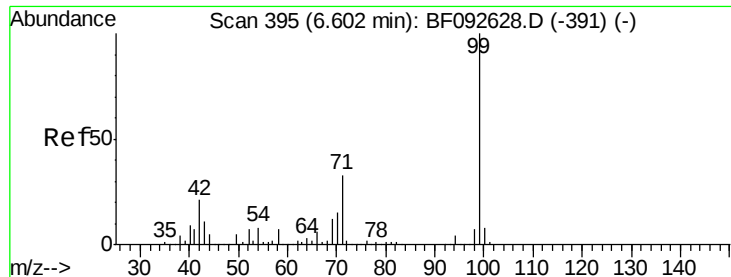
#5
 2-Fluorophenol
 Concen: 106.78 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF092965.D
 Acq: 15 Feb 2017 21:47

Tgt Ion:112 Resp: 930079
 Ion Ratio Lower Upper
 112 100
 64 63.7 46.1 69.1
 63 31.3 23.8 35.6



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: 109.37 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampled :

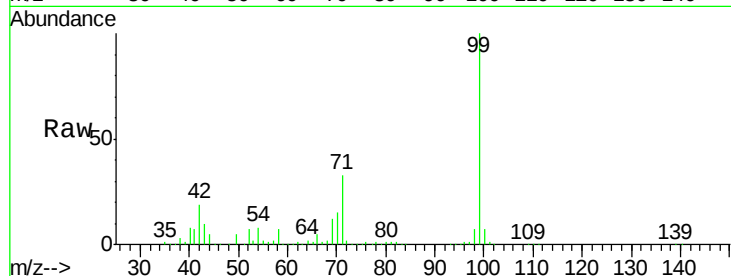
Tot Ion: 99 Resp: 1225675

Ion Ratio Lower Upper

99 100

42 19.4 15.6 23.4

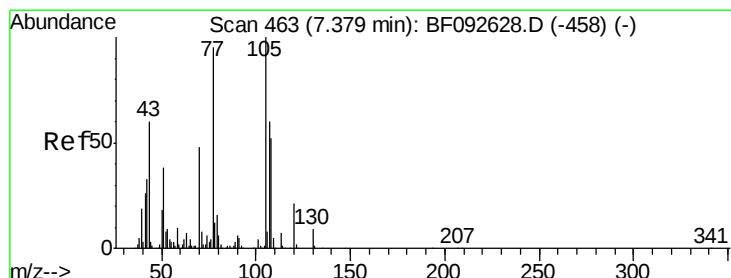
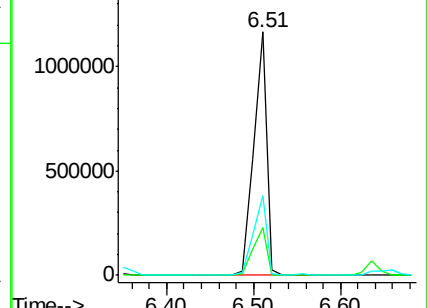
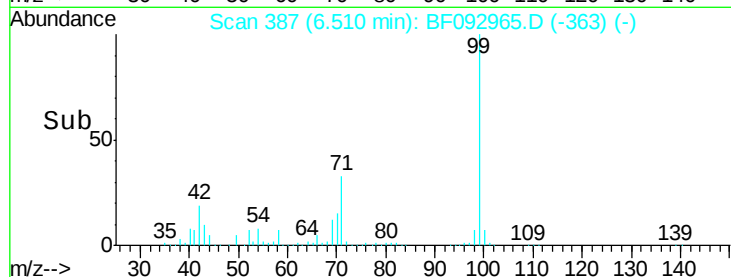
71 32.6 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.92 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Tgt Ion: 70 Resp: 42268

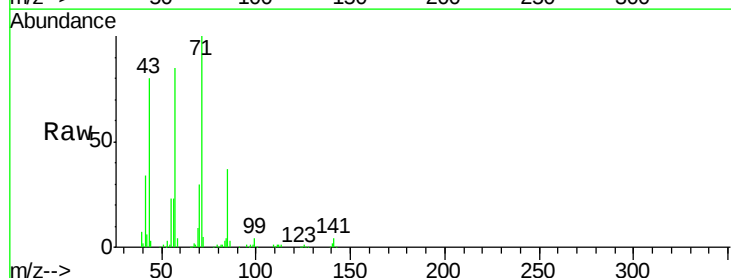
Ion Ratio Lower Upper

70 100

42 18.5 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

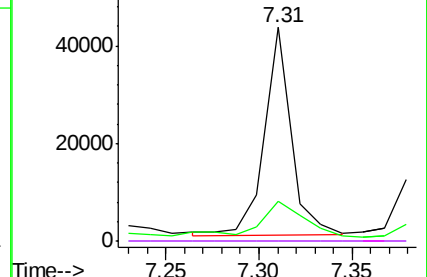
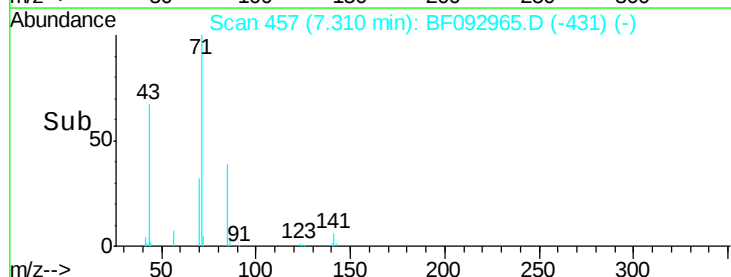


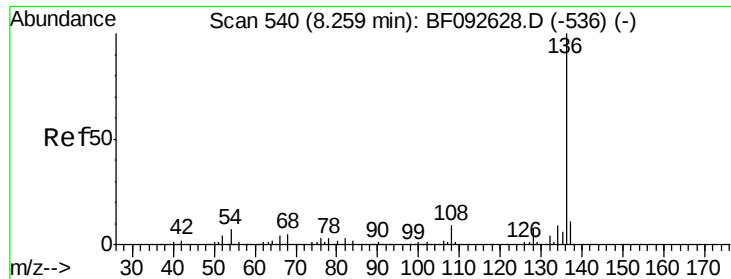
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 599831

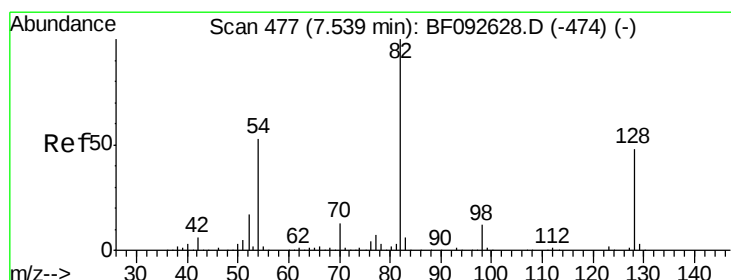
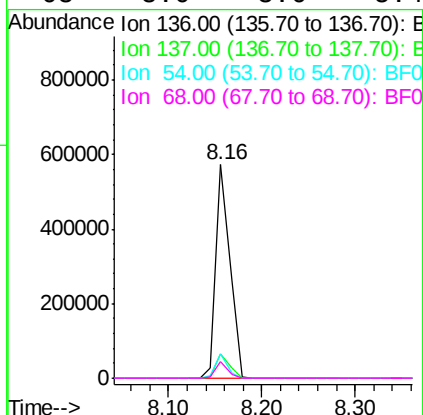
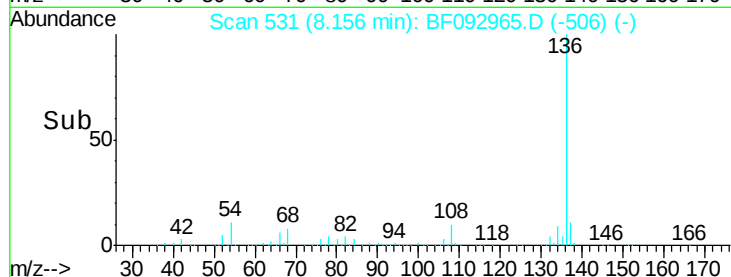
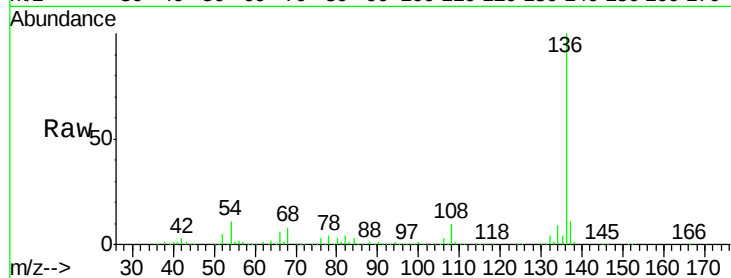
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.2 4.5 6.7#

68 8.0 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 63.08 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

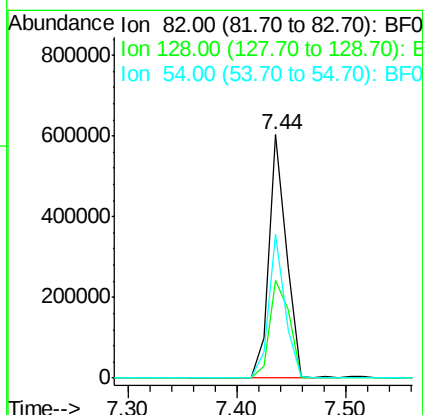
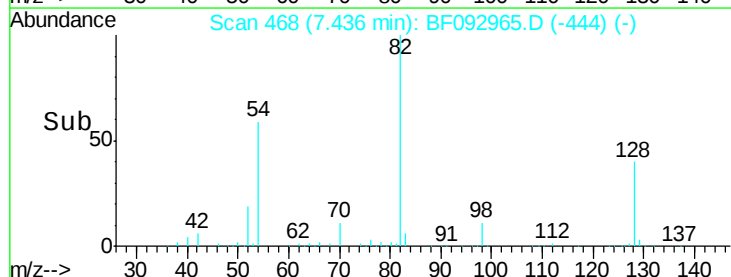
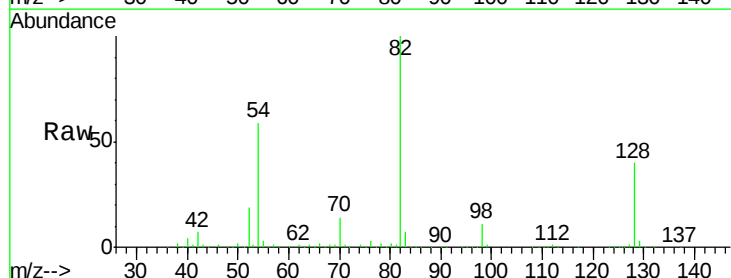
Tgt Ion: 82 Resp: 679451

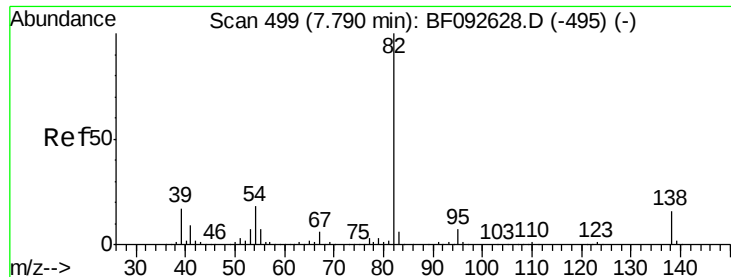
Ion Ratio Lower Upper

82 100

128 40.2 34.6 52.0

54 59.0 39.5 59.3





#25

Isophorone

Concen: 30.10 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

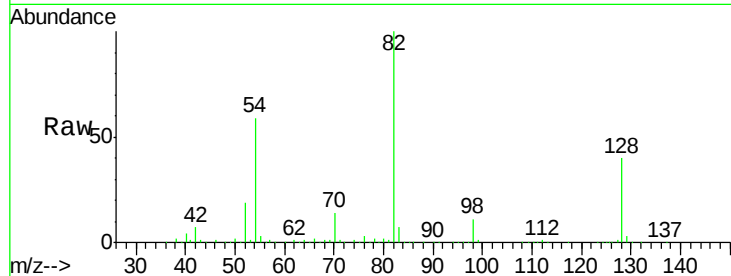
Tot Ion: 82 Resp: 604210

Ion Ratio Lower Upper

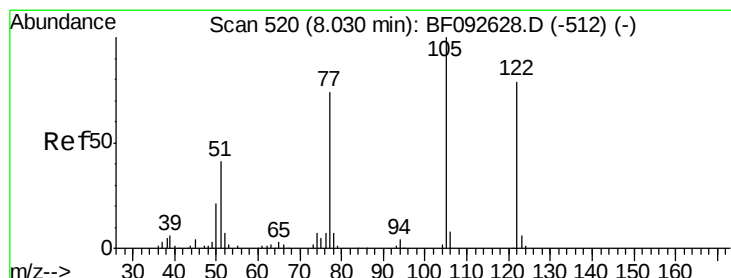
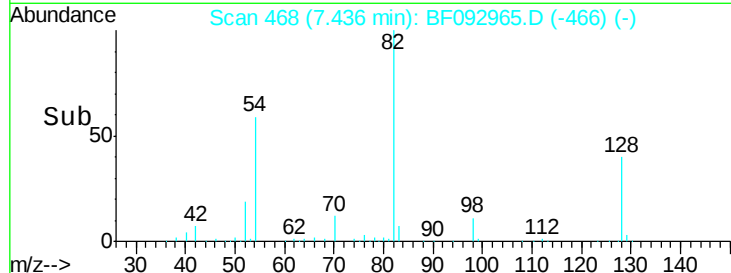
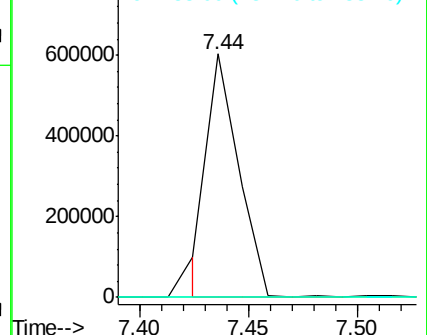
82 100

95 0.2 5.6 8.4#

138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 7.20 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.16 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

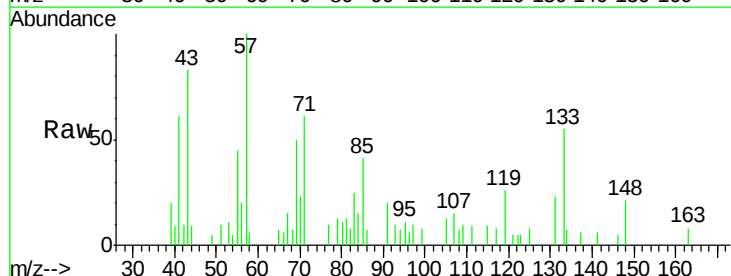
Tgt Ion:122 Resp: 208

Ion Ratio Lower Upper

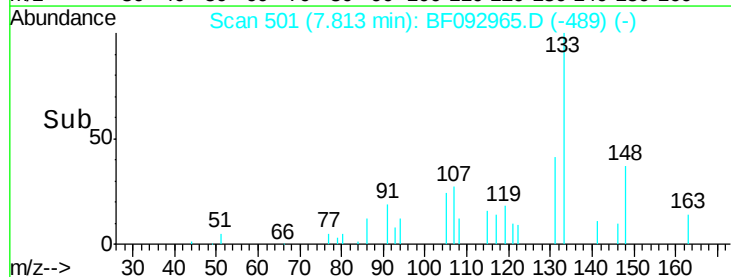
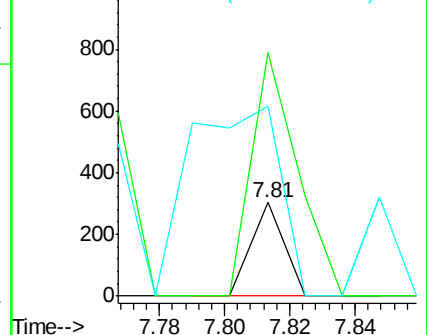
122 100

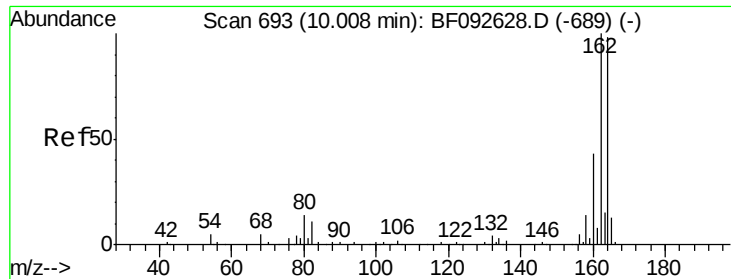
105 260.4 107.2 147.2#

77 203.0 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

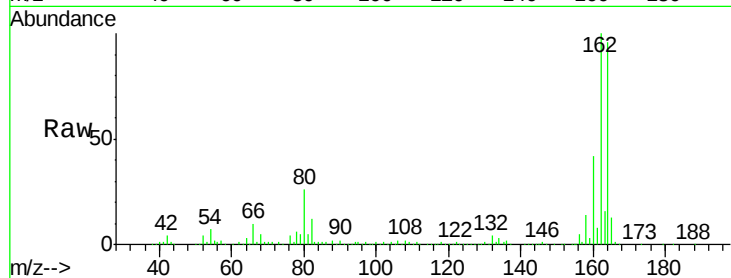




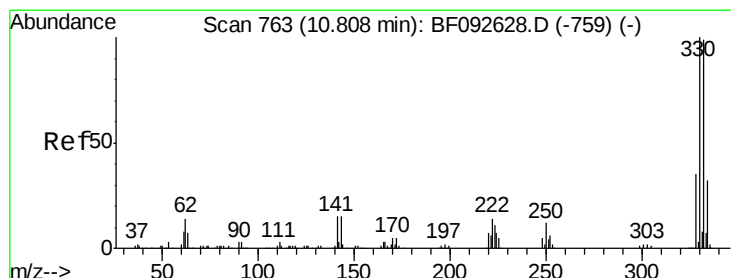
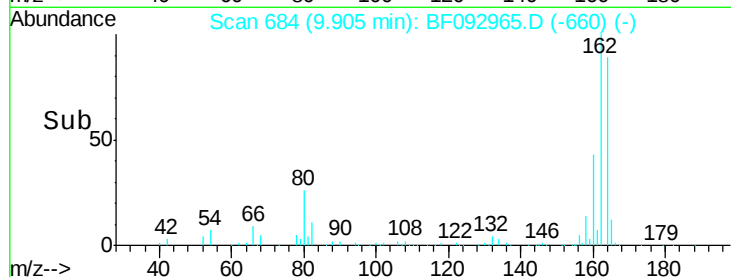
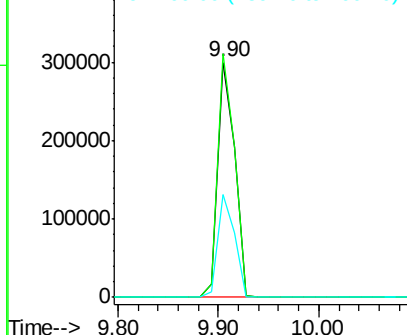
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 351538
Ion Ratio Lower Upper
164 100
162 103.7 80.2 120.2
160 43.6 36.9 55.3

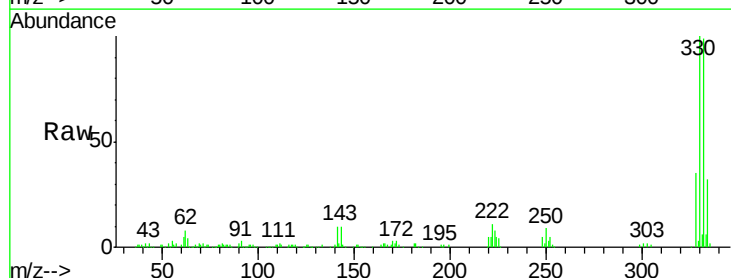


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

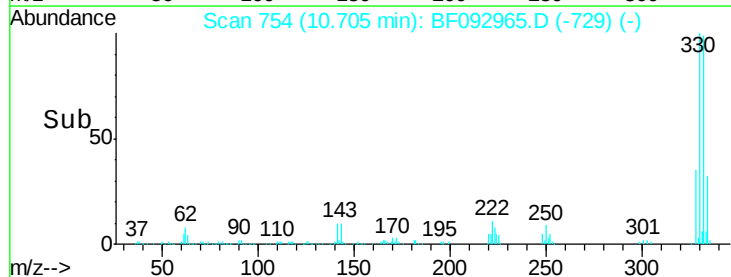
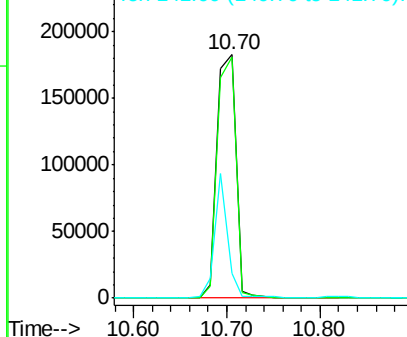


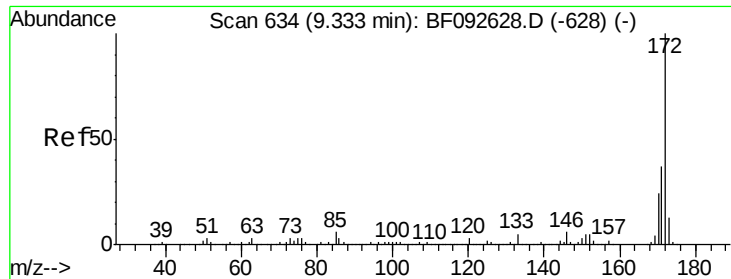
#41
2,4,6-Tribromophenol
Concen: 101.36 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Tgt Ion:330 Resp: 257714
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.2
141 34.8 34.1 51.1



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

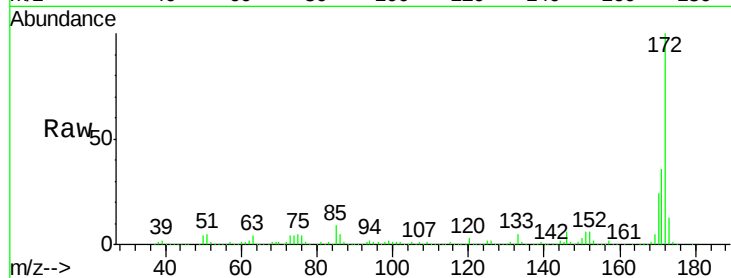




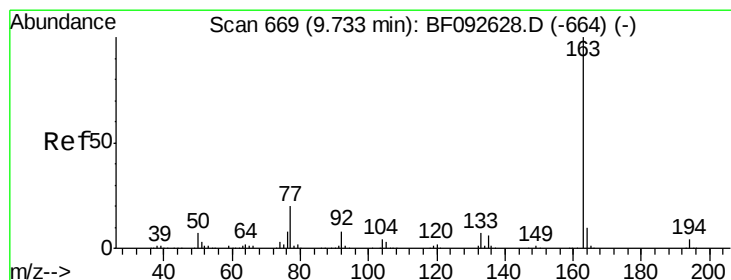
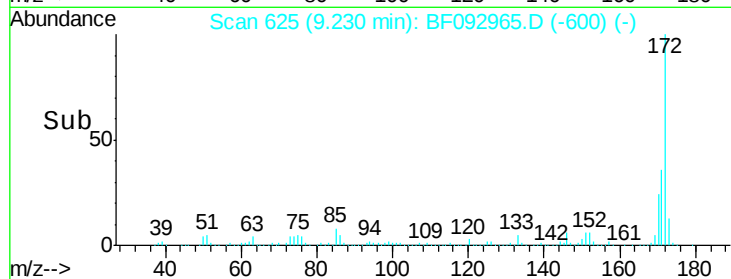
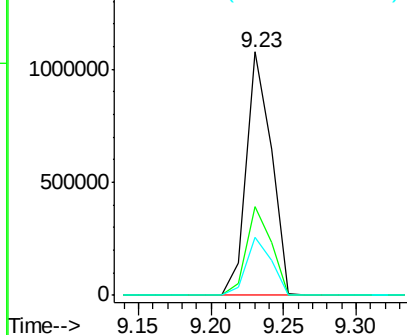
#44
2-Fluorobiphenyl
Concen: 66.58 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1291909
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.0 20.2 30.4

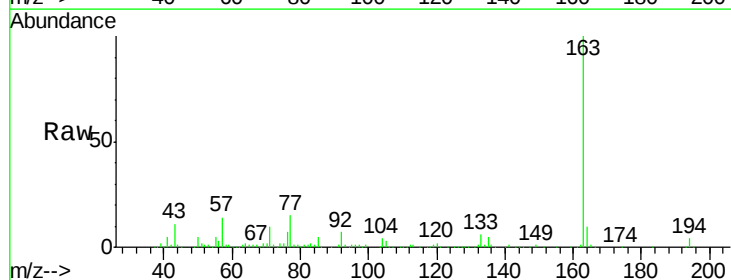


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

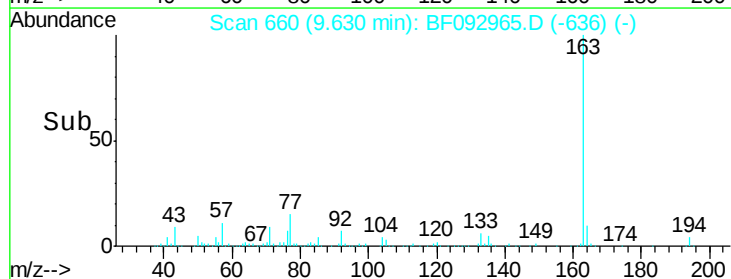
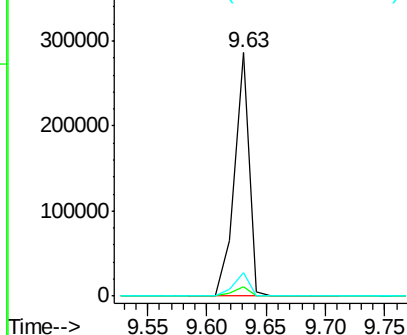


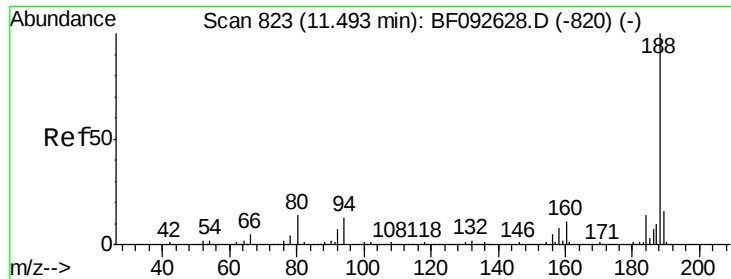
#49
Dimethylphthalate
Concen: 10.51 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Tgt Ion:163 Resp: 248802
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
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

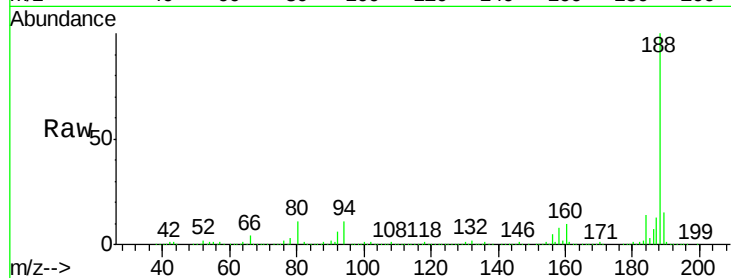




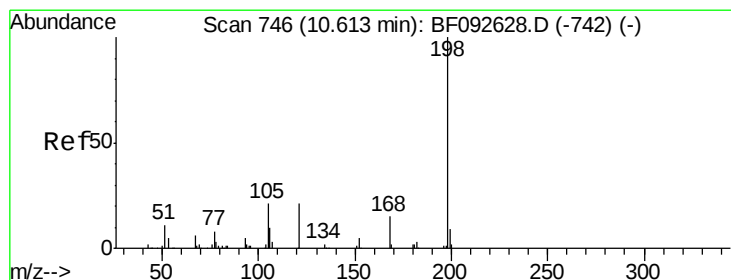
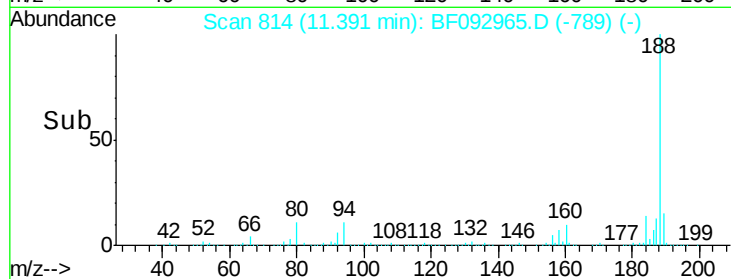
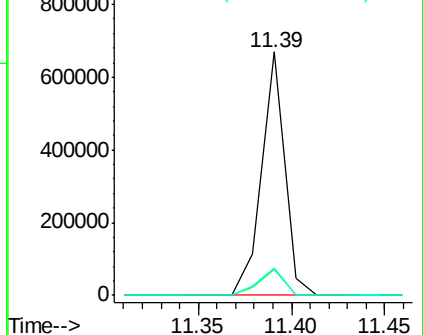
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 573542
Ion Ratio Lower Upper
188 100
94 10.9 10.0 15.0
80 11.4 11.2 16.8

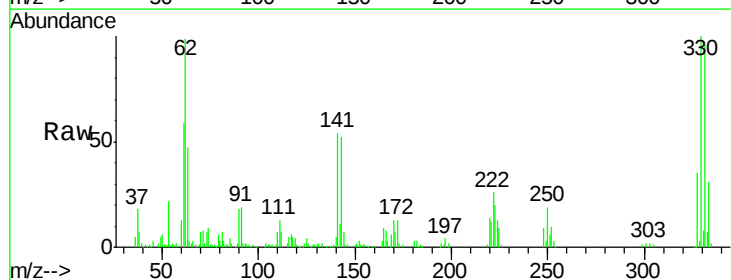


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

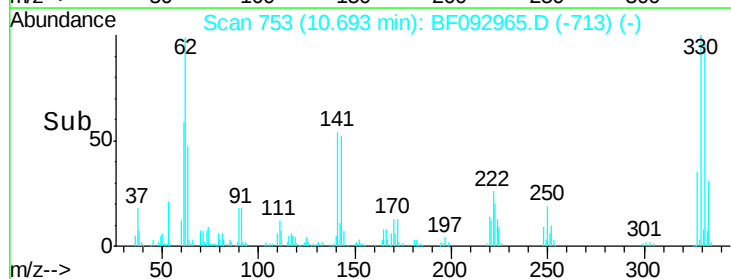
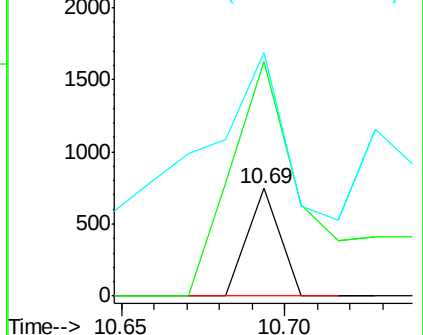


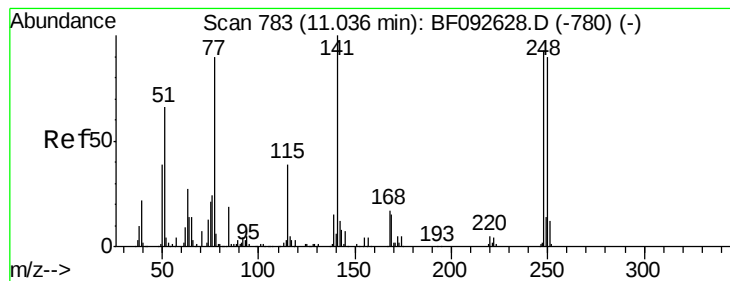
#64
4,6-Dinitro-2-methylphenol
Concen: 2.81 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.16 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Tgt Ion:198 Resp: 512
Ion Ratio Lower Upper
198 100
51 218.5 6.7 46.7#
105 226.4 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.10 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.26 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

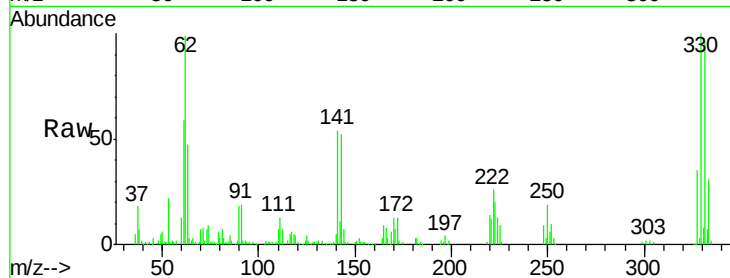
Tot Ion:248 Resp: 18548

Ion Ratio Lower Upper

248 100

250 197.7 76.9 115.3#

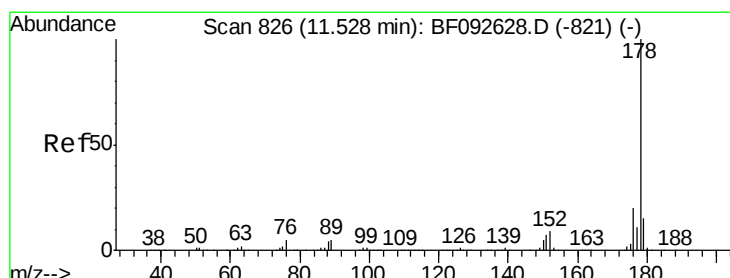
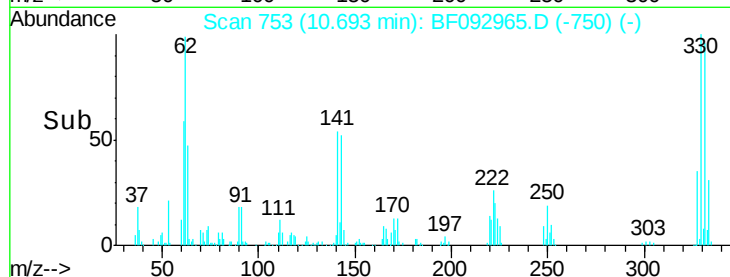
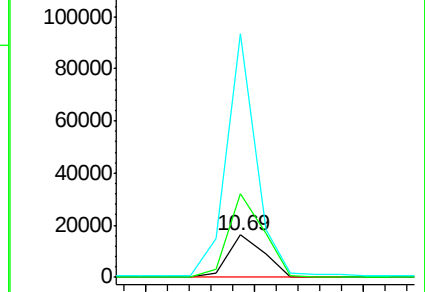
141 574.1 68.2 102.4#



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: 9.15 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

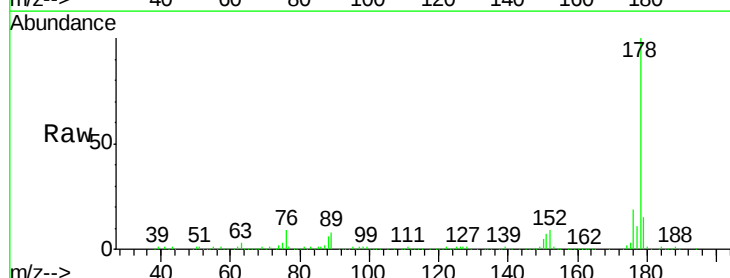
Tgt Ion:178 Resp: 300752

Ion Ratio Lower Upper

178 100

176 18.9 16.6 25.0

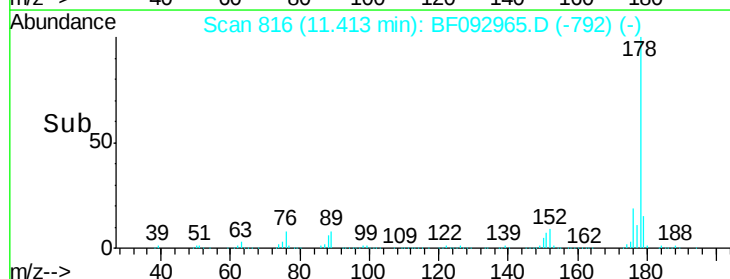
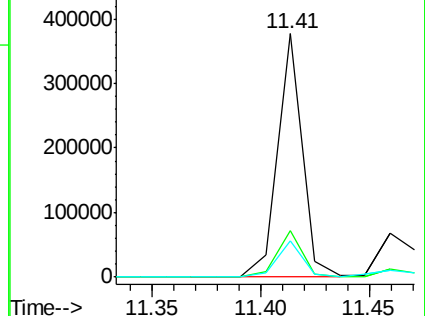
179 15.1 12.8 19.2

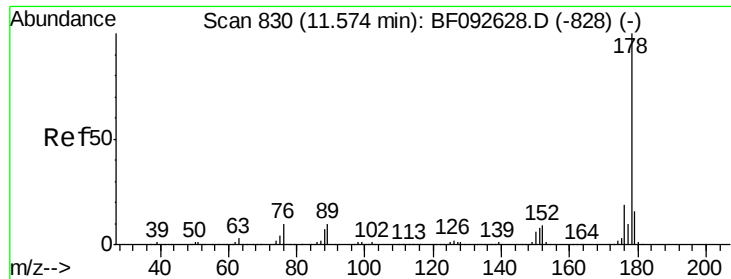


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.44 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

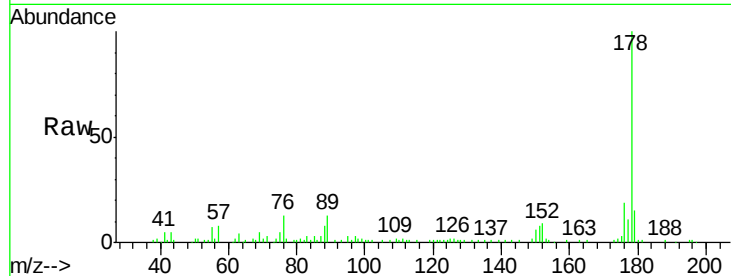
Tot Ion:178 Resp: 80663

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

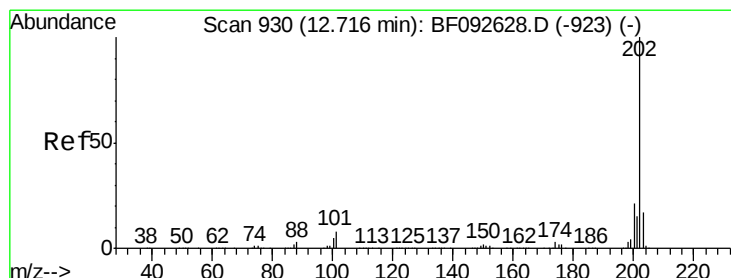
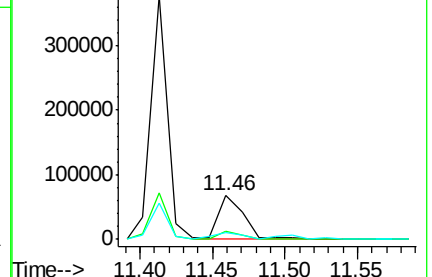
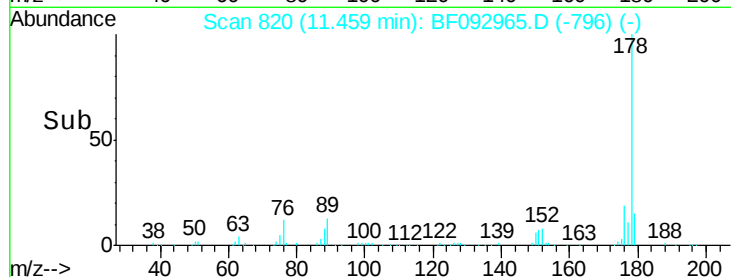
179 15.0 13.2 19.8



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



#74

Fluoranthene

Concen: 13.61 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

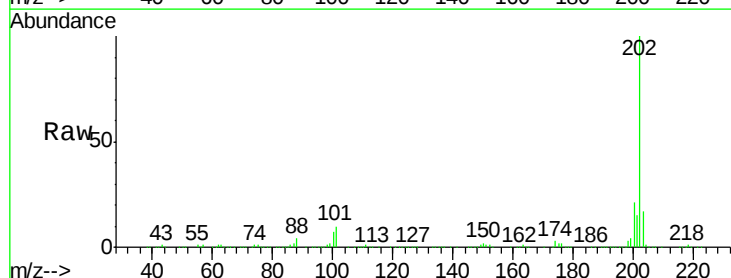
Tgt Ion:202 Resp: 461392

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.6

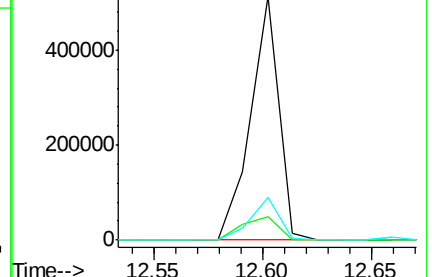
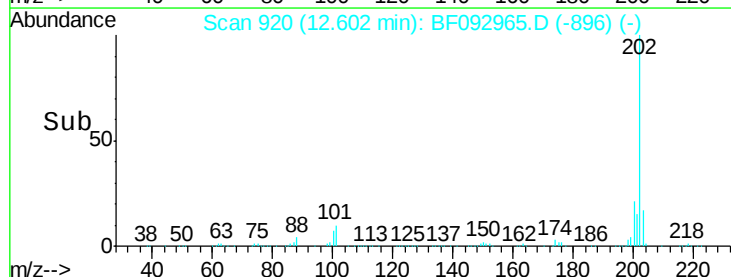
203 17.3 0.0 38.7

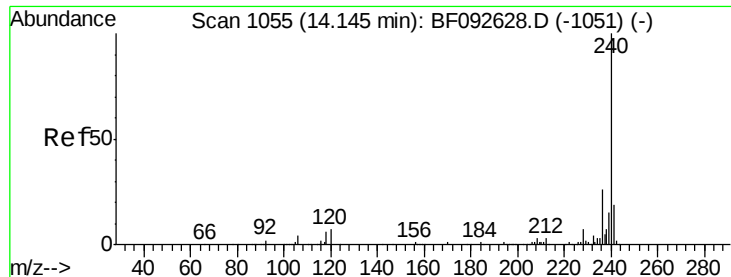


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

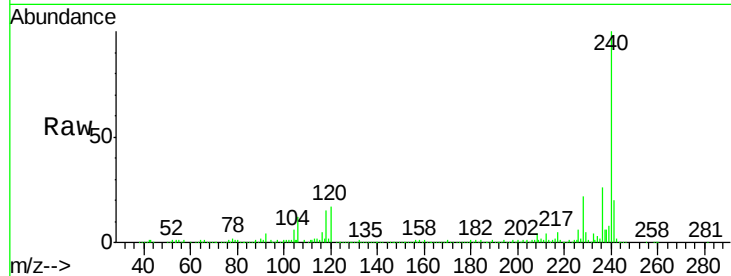
Tot Ion:240 Resp: 412799

Ion Ratio Lower Upper

240 100

120 16.6 12.9 19.3

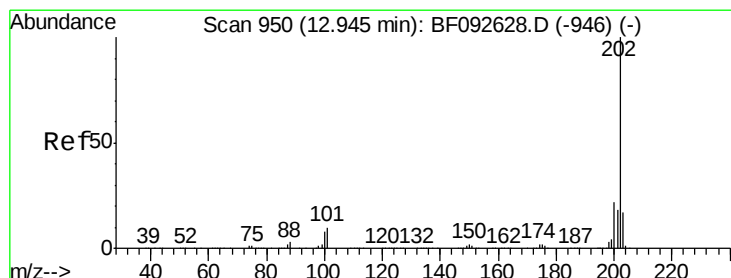
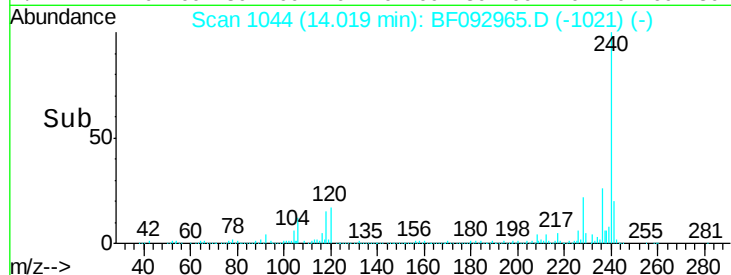
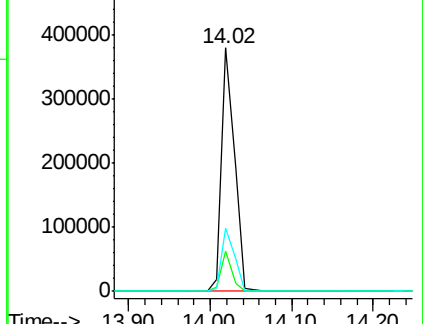
236 25.8 20.9 31.3



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: 12.10 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

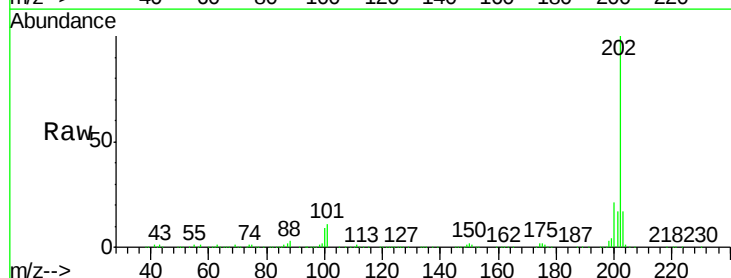
Tgt Ion:202 Resp: 373871

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

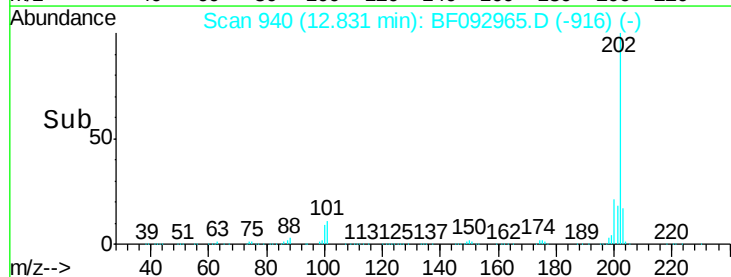
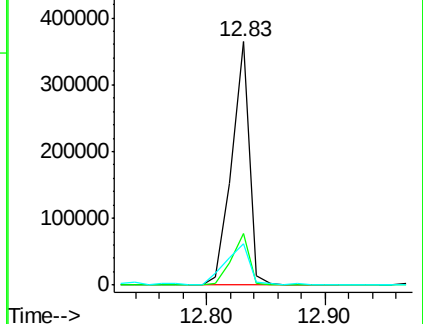
203 17.1 14.7 22.1

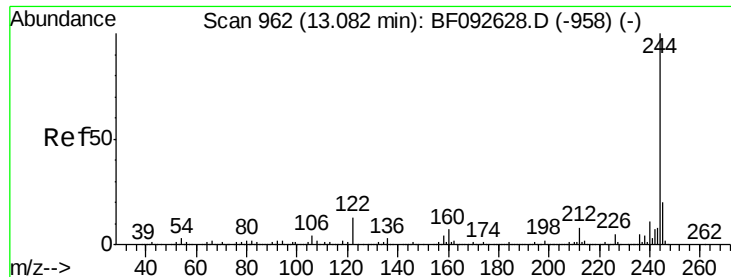


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.99 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

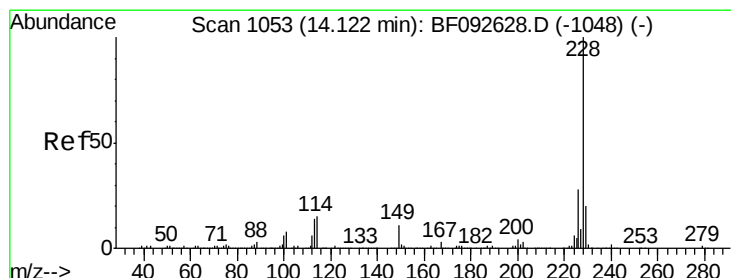
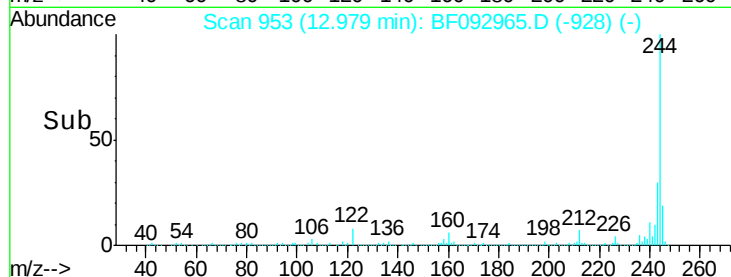
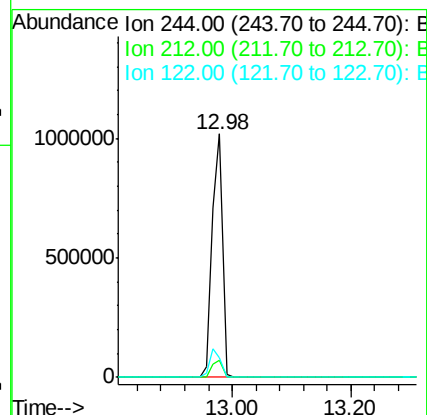
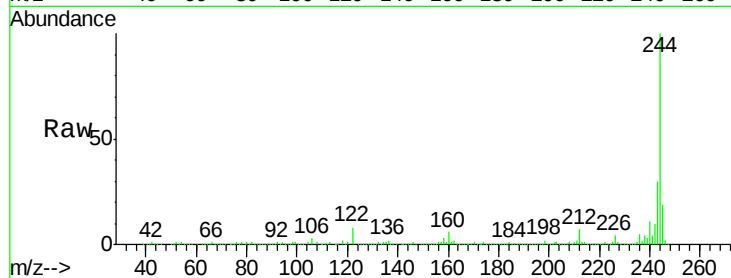
Tot Ion:244 Resp: 1229567

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

122 8.1 11.4 17.2#



#80

Benzo(a)anthracene

Concen: 7.24 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

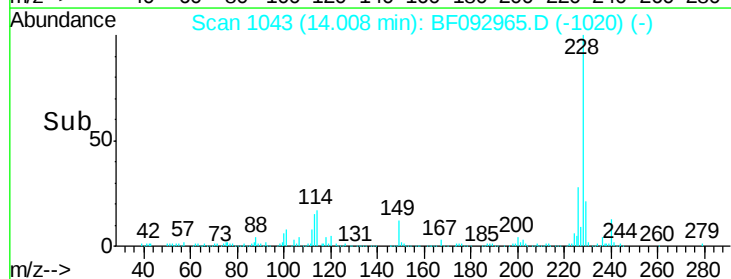
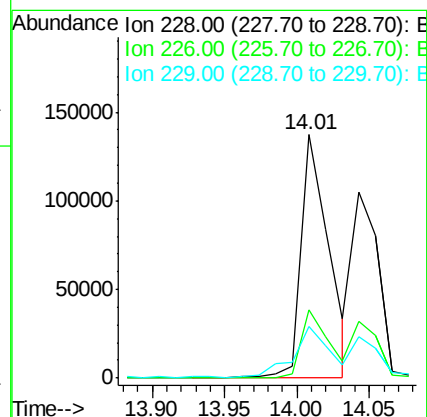
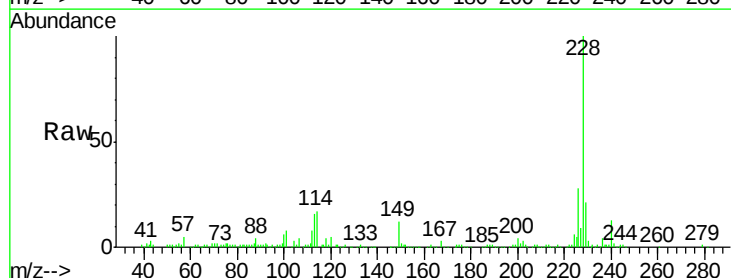
Tgt Ion:228 Resp: 182763

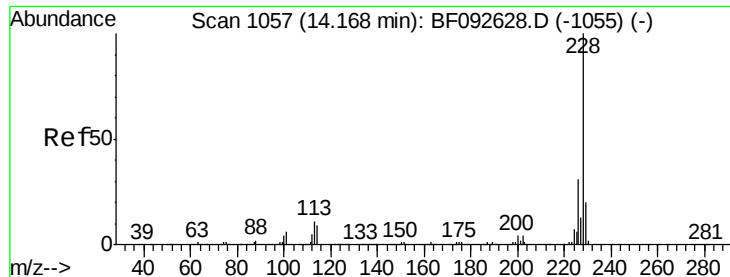
Ion Ratio Lower Upper

228 100

226 27.8 22.4 33.6

229 20.9 16.2 24.4





#82

Chrysene

Concen: 7.73 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.07 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

Instrument :

BNA_F

ClientSampleId :

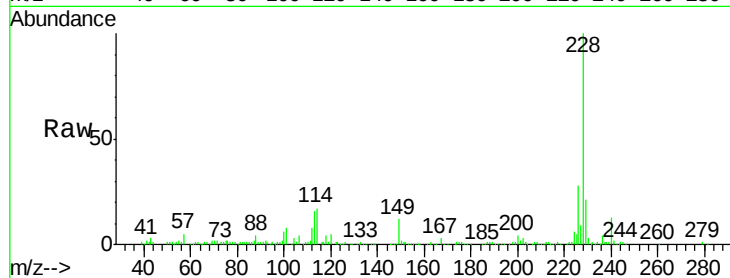
Tot Ion:228 Resp: 182763

Ion Ratio Lower Upper

228 100

226 27.8 25.4 38.0

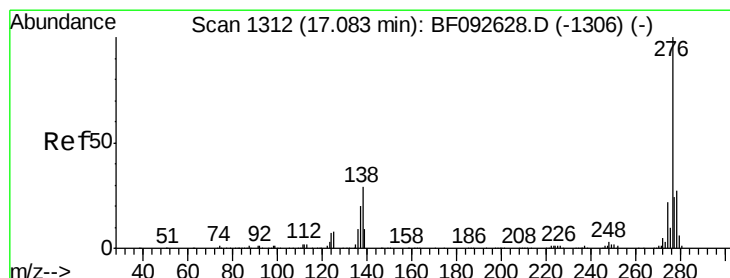
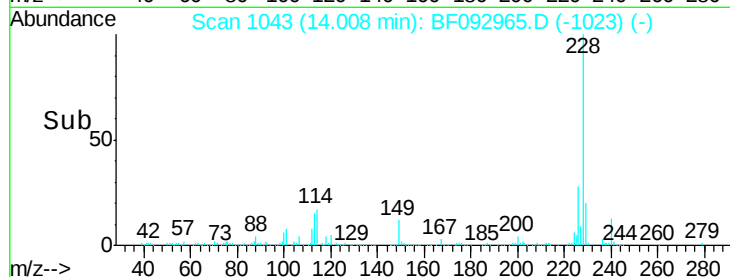
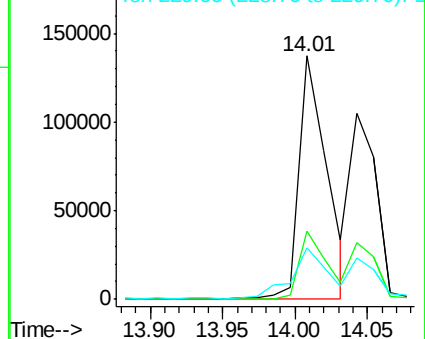
229 20.9 16.2 24.2



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: 3.15 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.05 min

Lab File: BF092965.D

Acq: 15 Feb 2017 21:47

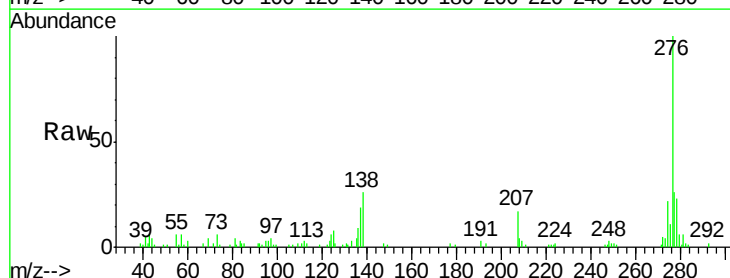
Tgt Ion:276 Resp: 57710

Ion Ratio Lower Upper

276 100

138 28.4 21.8 32.6

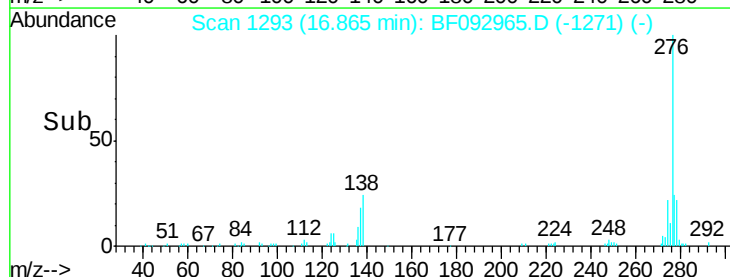
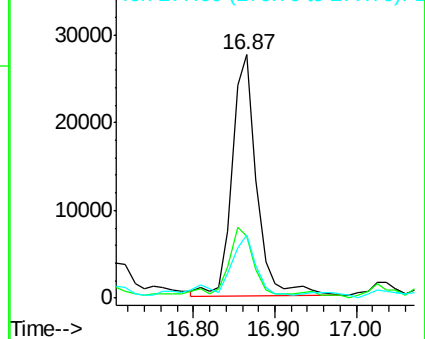
277 28.6 20.2 30.4

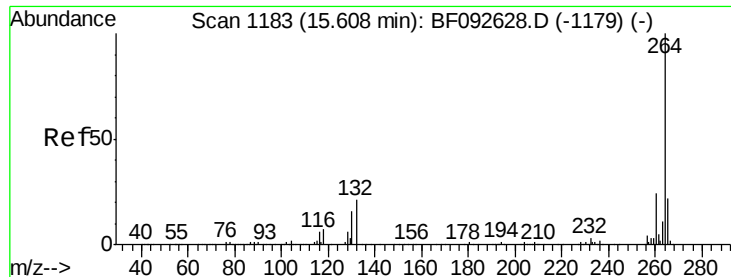


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

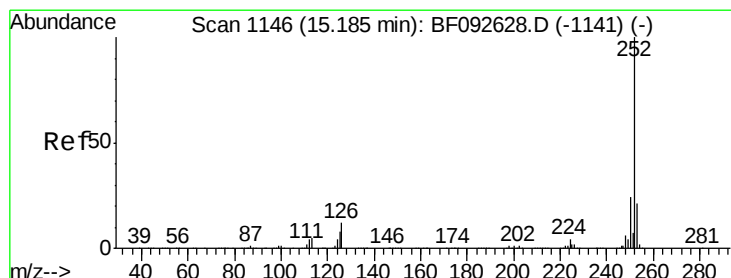
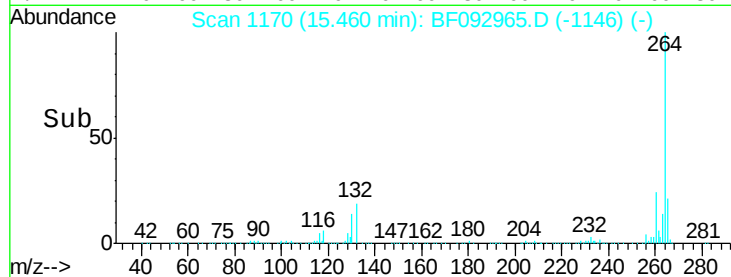
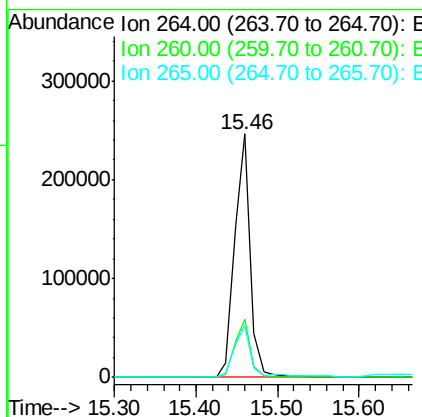
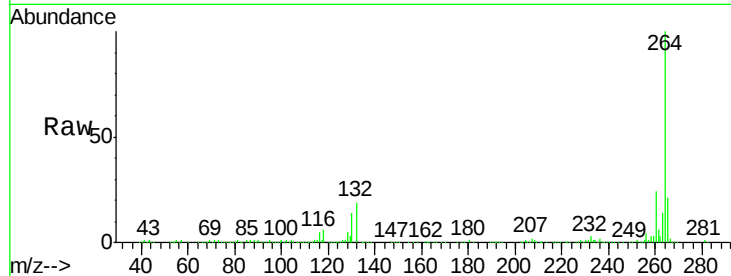




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

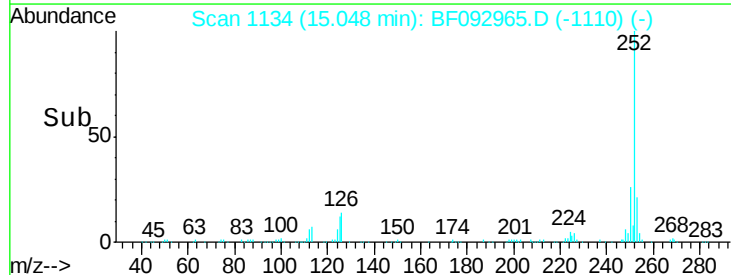
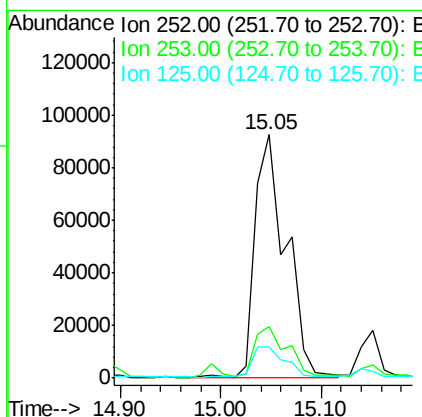
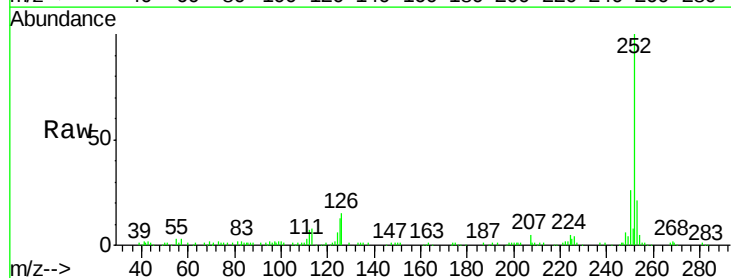
Instrument :
BNA_F
ClientSampleId :

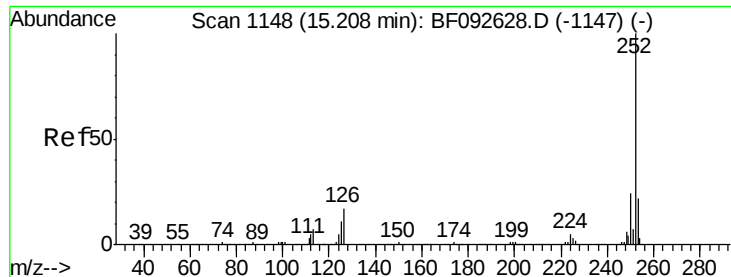
Tot Ion:264 Resp: 325576
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 9.13 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Tgt Ion:252 Resp: 195741
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.4
125 12.9 9.8 14.6

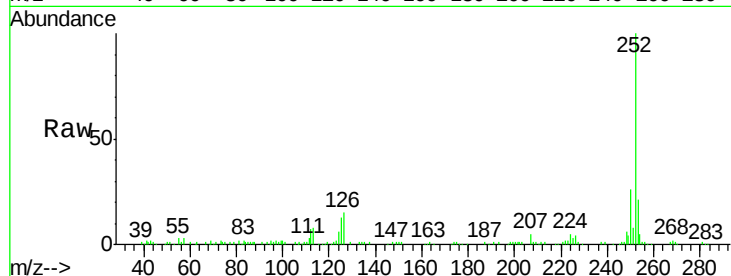




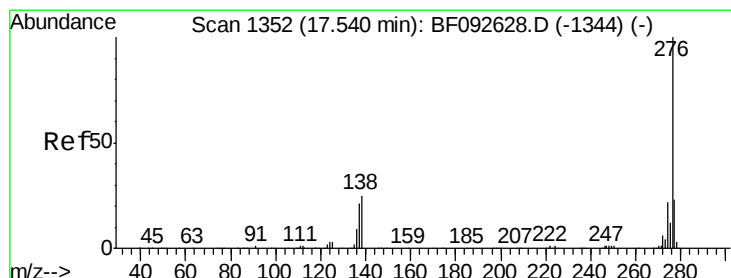
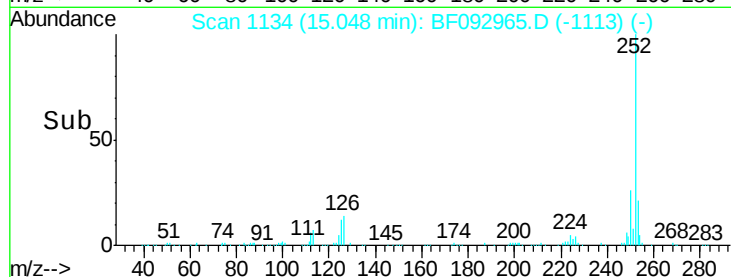
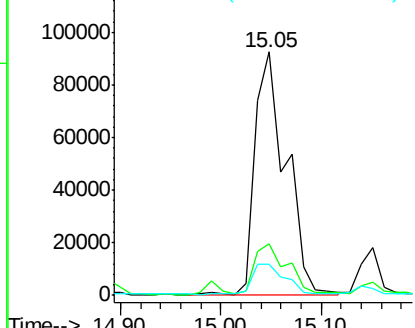
#88
Benzo(k)fluoranthene
Concen: 10.58 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 195741
Ion Ratio Lower Upper
252 100
253 21.0 18.5 27.7
125 12.9 8.9 13.3

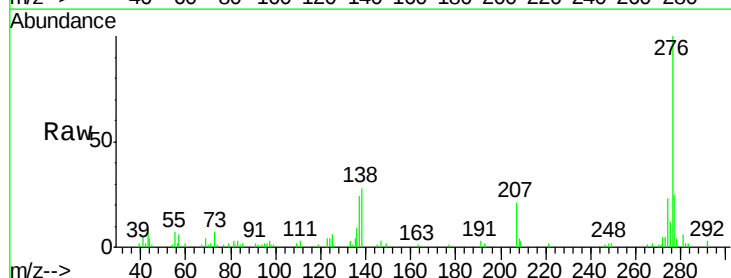


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.61 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.06 min
Lab File: BF092965.D
Acq: 15 Feb 2017 21:47

Tgt Ion:276 Resp: 54632
Ion Ratio Lower Upper
276 100
277 24.9 19.2 28.8
138 27.7 16.0 24.0#



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

