

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092900.D
 Acq On : 10 Feb 2017 23:07
 Operator : SJ/MA
 Sample : I1777-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38-SB-03-0-2

Quant Time: Feb 11 00:28:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 23:31:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	159559	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	624457	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	375137	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	635287	20.00	ng	0.00
75) Chrysene-d12	14.05	240	478548	20.00	ng	-0.01
86) Perylene-d12	15.51	264	371679	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	818570	88.01	ng	0.00
7) Phenol-d6	6.53	99	1134277	94.79	ng	0.00
23) Nitrobenzene-d5	7.46	82	731142	65.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	215414	79.39	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1409539	68.07	ng	-0.01
78) Terphenyl-d14	13.01	244	1343069	65.94	ng	0.00

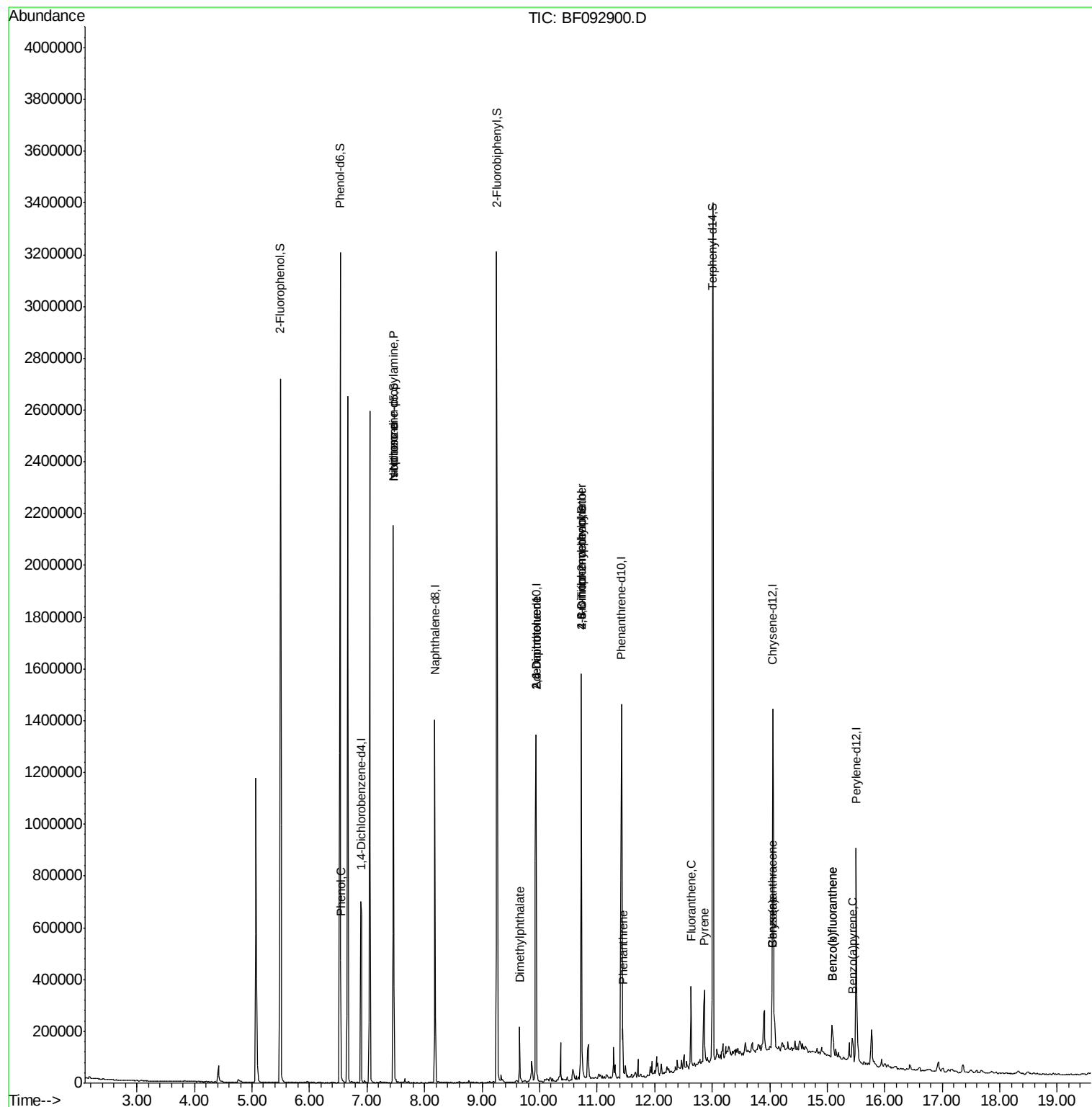
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.54	94	71363	5.10	ng	# 72
19) n-Nitroso-di-n-propylamine	7.46	70	96623	12.68	ng	# 81
25) Isophorone	7.46	82	725560	34.72	ng	# 65
49) Dimethylphthalate	9.65	163	89006	3.52	ng	99
50) 2,6-Dinitrotoluene	9.94	165	49100	9.00	ng	# 30
56) 2,4-Dinitrotoluene	9.94	165	49102	6.76	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	383	2.76	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	15704	2.37	ng	# 1
70) Phenanthrene	11.45	178	86056	2.36	ng	97
74) Fluoranthene	12.64	202	157330	4.19	ng	93
77) Pyrene	12.87	202	161126	4.50	ng	97
80) Benzo(a)anthracene	14.04	228	75507	2.58	ng	98
82) Chrysene	14.04	228	75507	2.76	ng	94
87) Benzo(b)fluoranthene	15.08	252	87707	3.59	ng	# 96
88) Benzo(k)fluoranthene	15.08	252	87707	4.15	ng	# 94
89) Benzo(a)pyrene	15.44	252	46936	2.22	ng	# 93

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
Data File : BF092900.D
Acq On : 10 Feb 2017 23:07
Operator : SJ/MA
Sample : I1777-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

Quant Time: Feb 11 00:28:15 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 10 23:31:14 2017
Response via : Initial Calibration



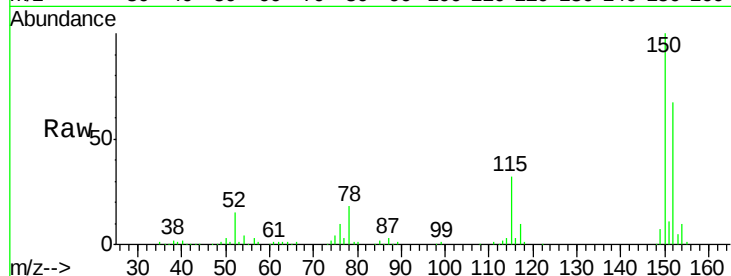


#1

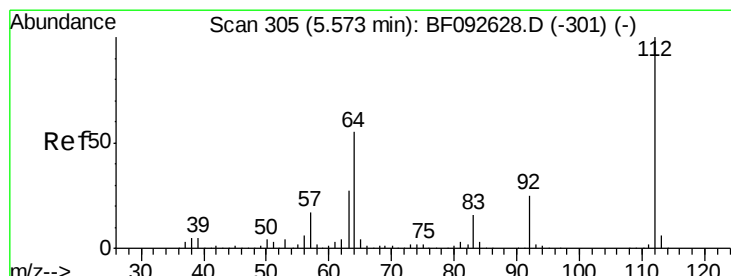
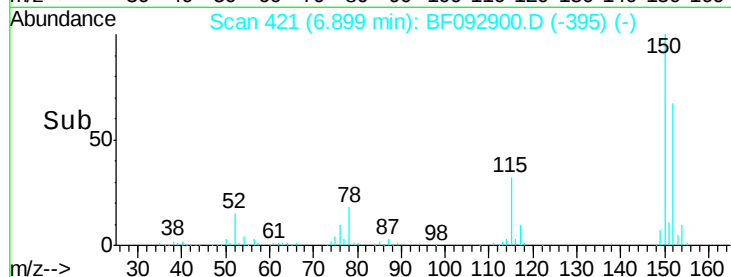
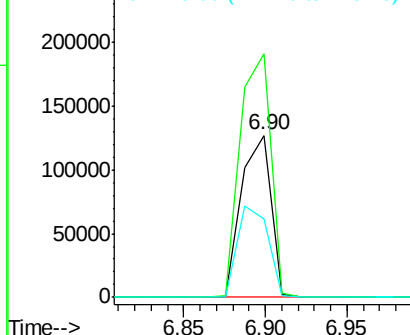
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

Tgt Ion:152 Resp: 159559
Ion Ratio Lower Upper
152 100
150 150.0 124.9 187.3
115 48.1 46.0 69.0



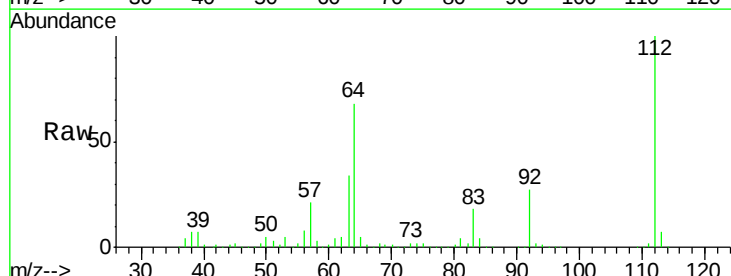
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



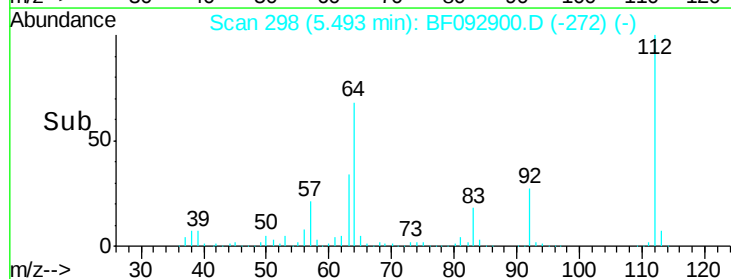
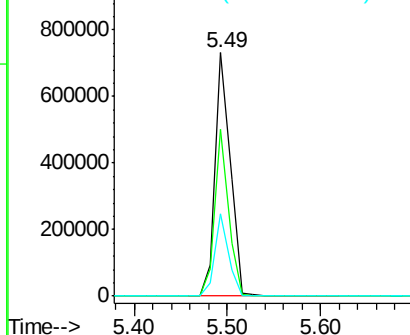
#5

2-Fluorophenol
Concen: 88.01 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.00 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion:112 Resp: 818570
Ion Ratio Lower Upper
112 100
64 68.3 46.1 69.1
63 34.0 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: 94.79 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampled :

38-SB-03-0-2

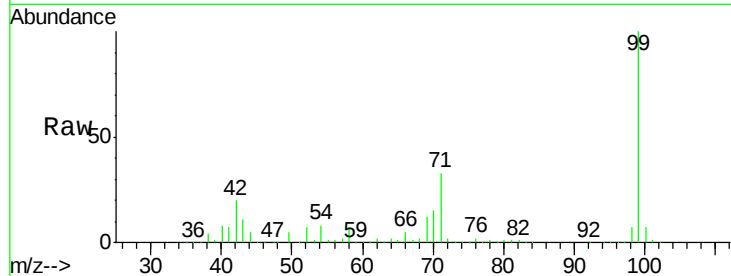
Tgt Ion: 99 Resp: 1134277

Ion Ratio Lower Upper

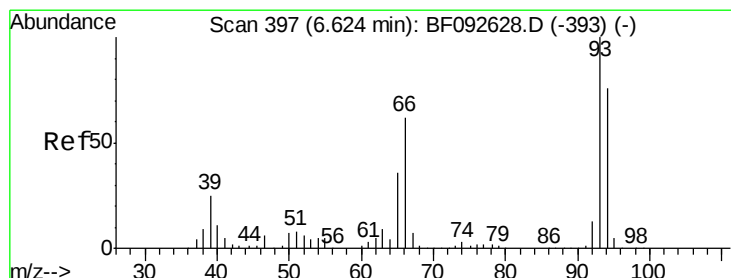
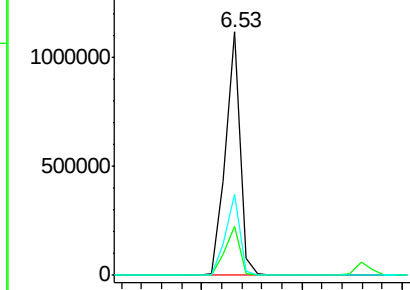
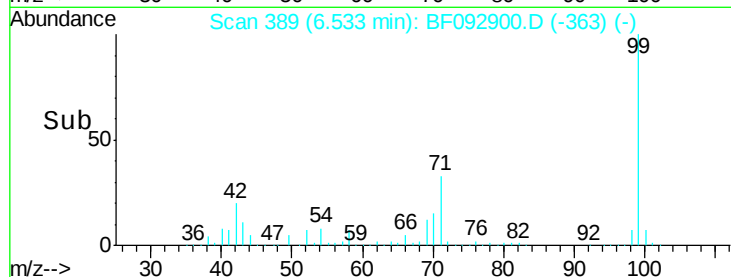
99 100

42 20.0 15.6 23.4

71 33.2 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



#10

Phenol

Concen: 5.10 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

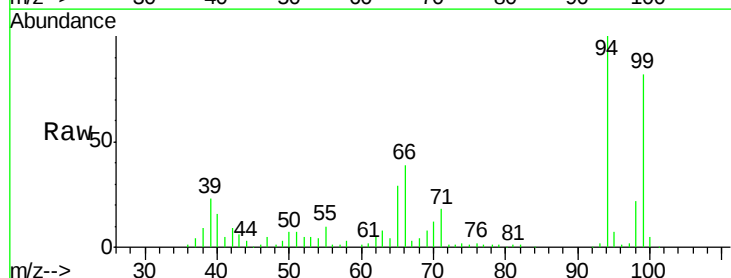
Tgt Ion: 94 Resp: 71363

Ion Ratio Lower Upper

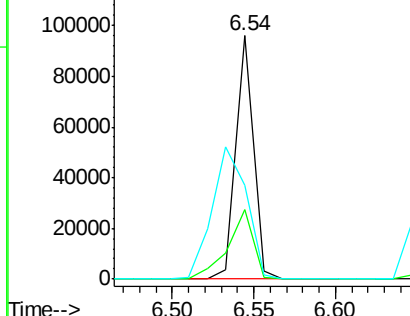
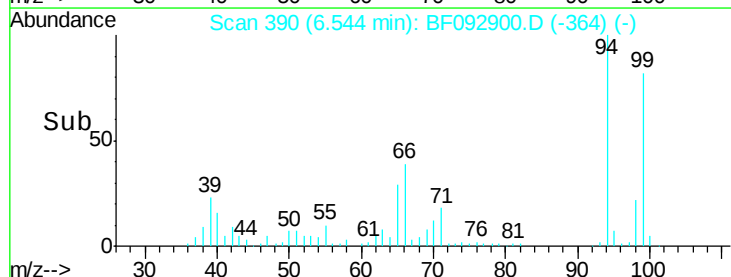
94 100

65 28.7 21.4 61.4

66 38.6 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

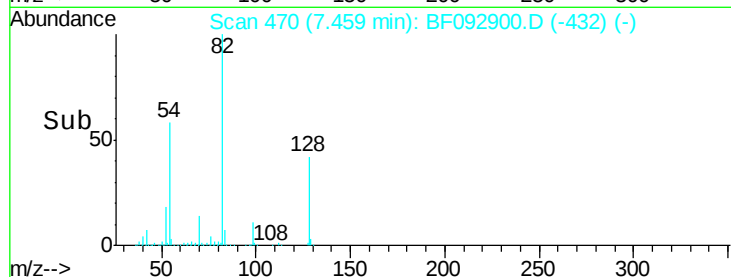
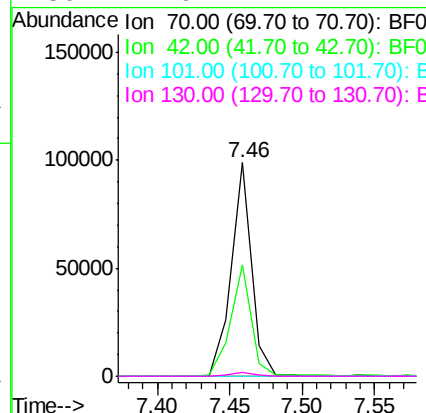
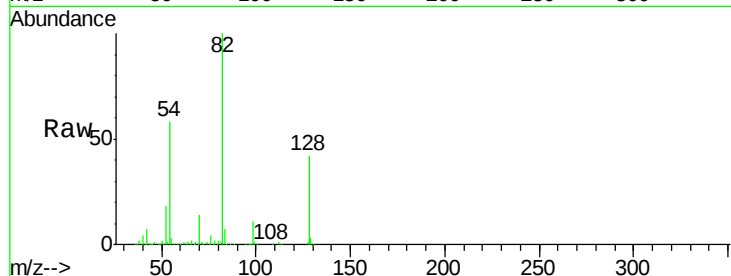




#19
n-Nitroso-di-n-propylamine
Concen: 12.68 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

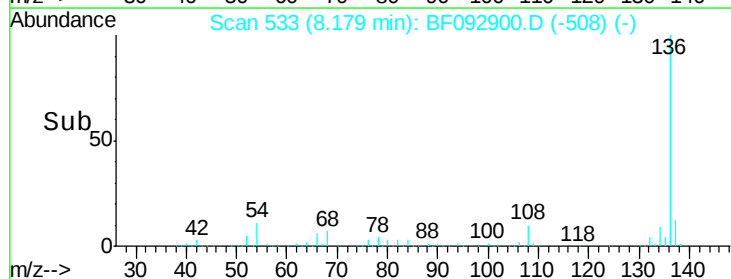
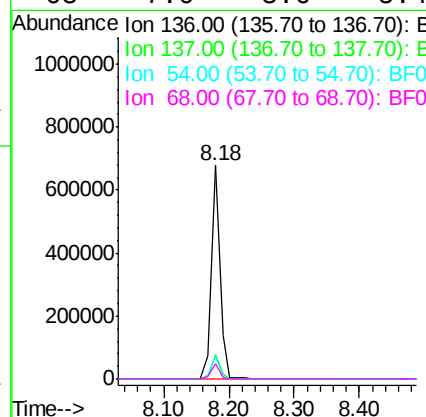
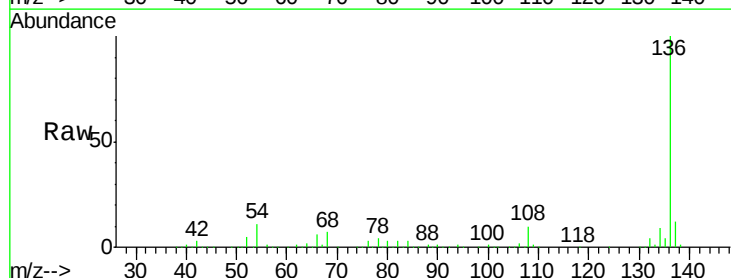
Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

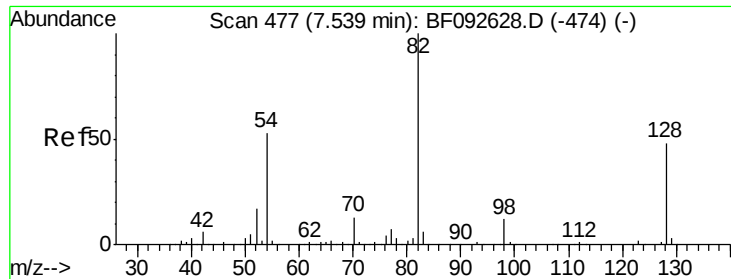
Tgt Ion: 70 Resp: 96623
Ion Ratio Lower Upper
70 100
42 52.2 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion: 136 Resp: 624457
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 10.5 4.5 6.7#
68 7.0 3.6 5.4#

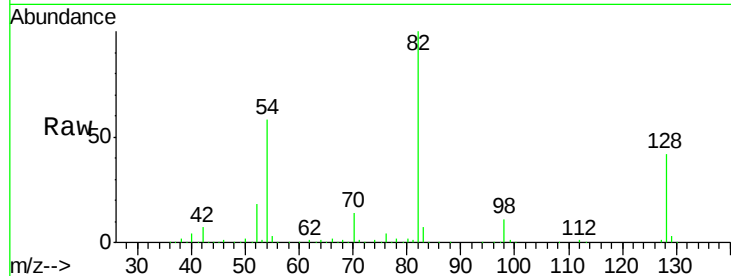




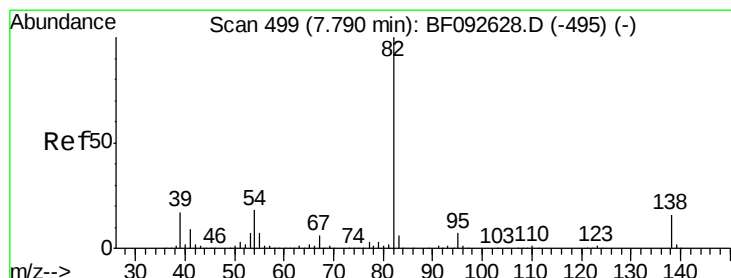
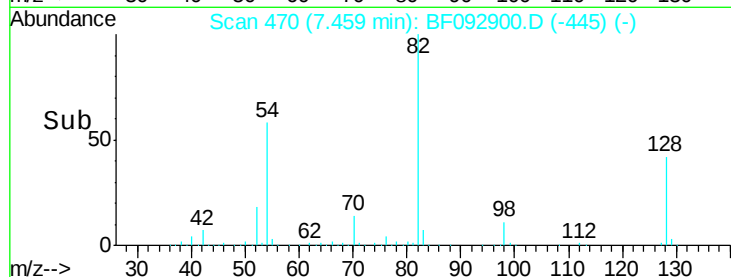
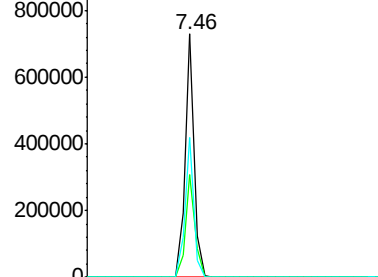
#23
Nitrobenzene-d5
Concen: 65.20 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

Tgt Ion: 82 Resp: 731142
Ion Ratio Lower Upper
82 100
128 42.2 34.6 52.0
54 57.6 39.5 59.3

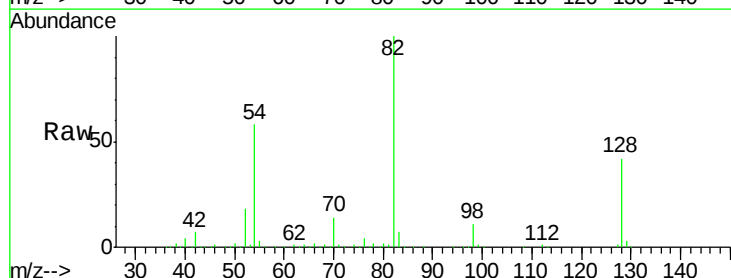


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

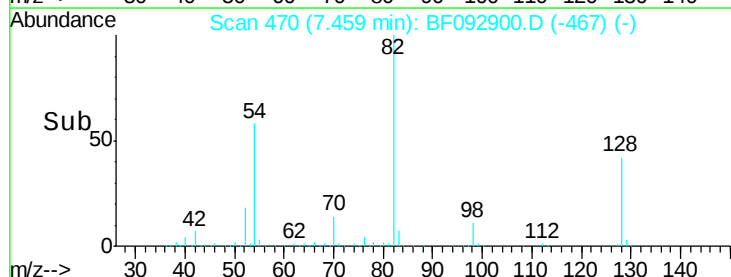
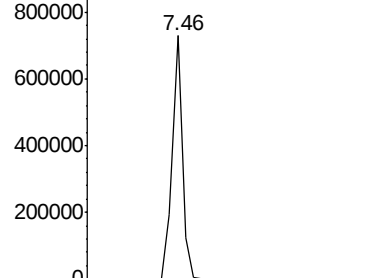


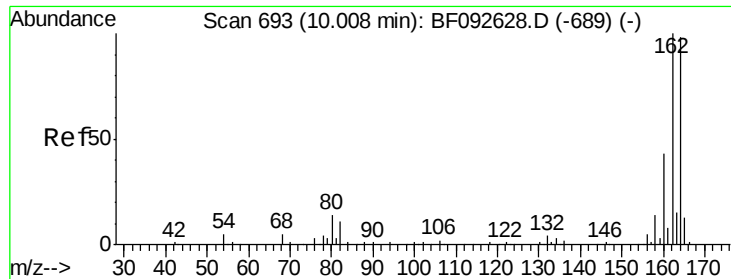
#25
Isophorone
Concen: 34.72 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.26 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion: 82 Resp: 725560
Ion Ratio Lower Upper
82 100
95 0.0 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

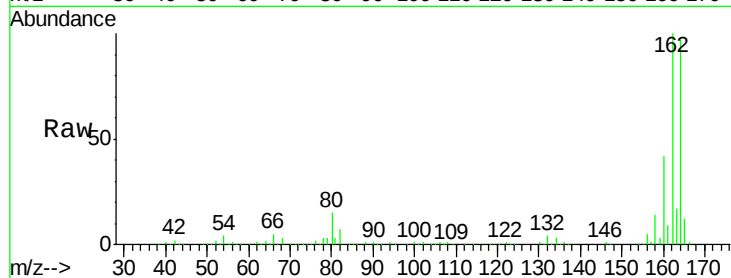
Tgt Ion:164 Resp: 375137

Ion Ratio Lower Upper

164 100

162 103.5 80.2 120.2

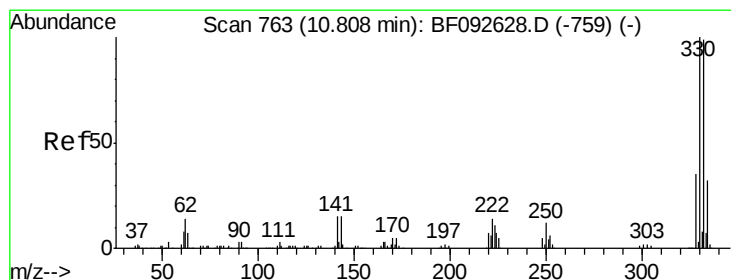
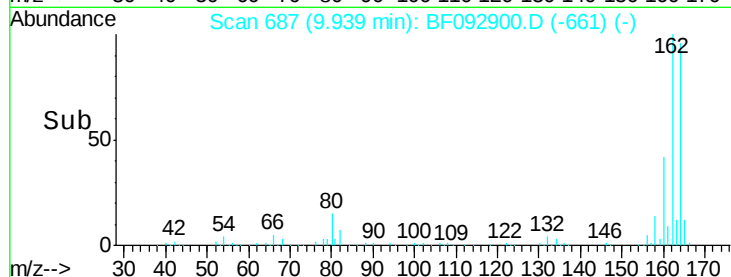
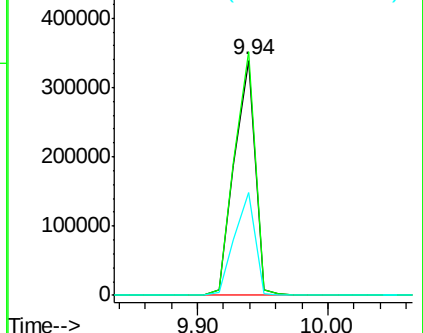
160 43.7 36.9 55.3



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: 79.39 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

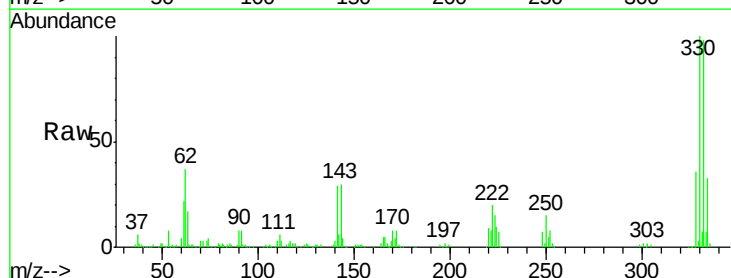
Tgt Ion:330 Resp: 215414

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

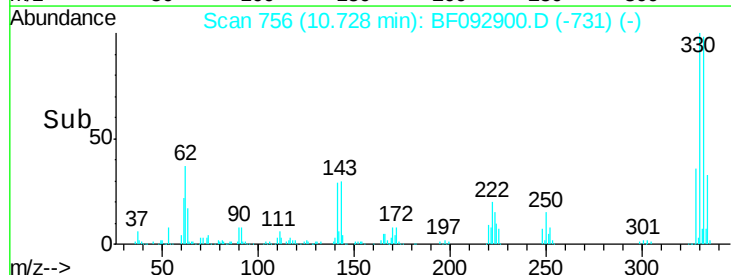
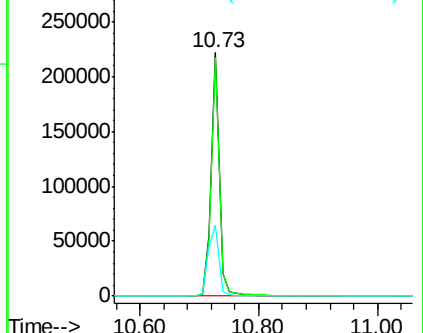
141 38.5 34.1 51.1

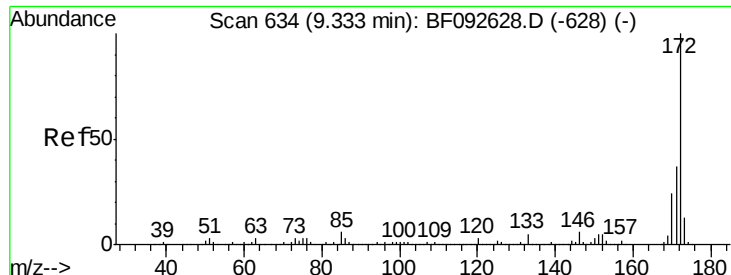


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

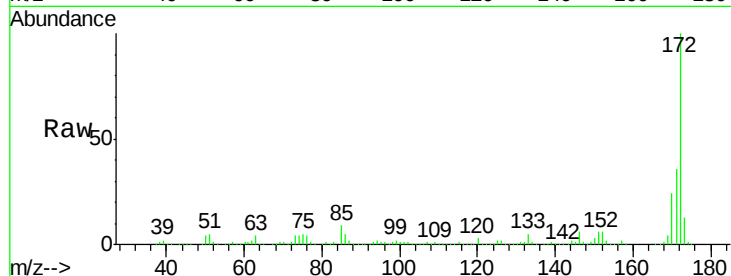




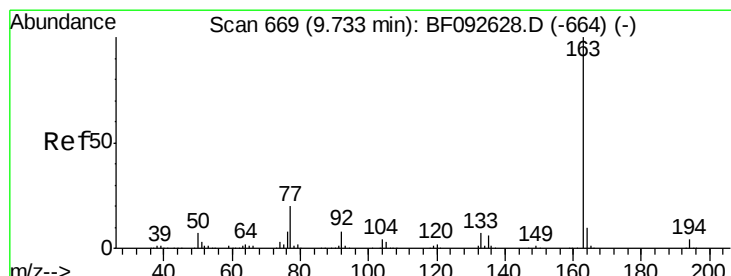
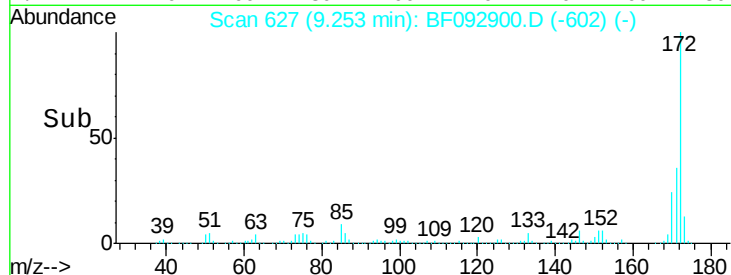
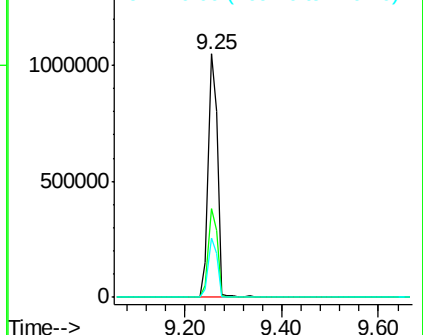
#44
2-Fluorobiphenyl
Concen: 68.07 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Instrument :
BNA_F
ClientSampled :
38-SB-03-0-2

Tgt Ion:172 Resp: 1409539
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.2 20.2 30.4

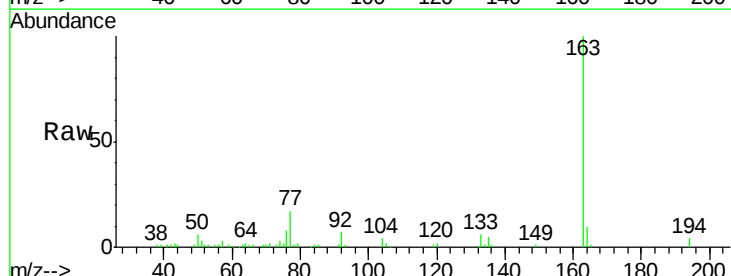


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

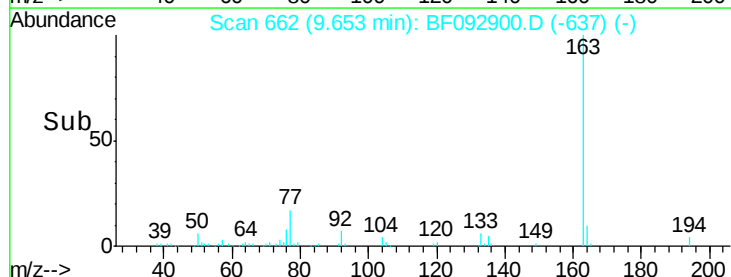
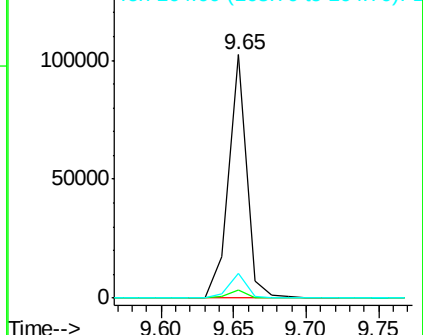


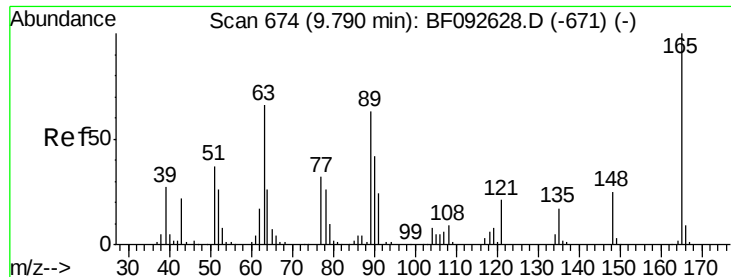
#49
Dimethylphthalate
Concen: 3.52 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion:163 Resp: 89006
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.3 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

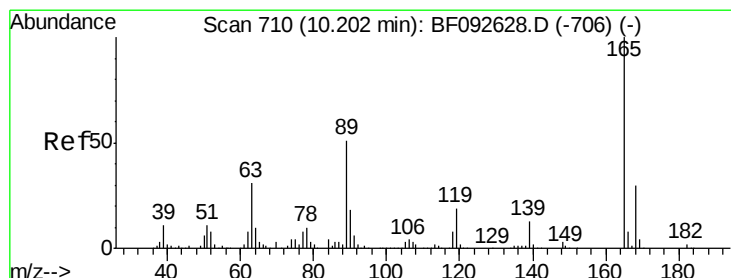
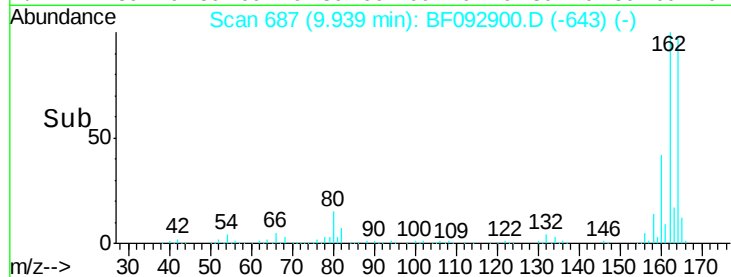
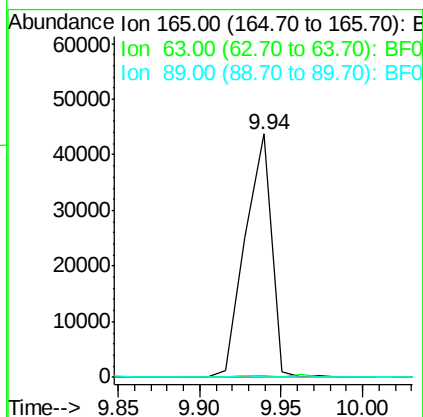
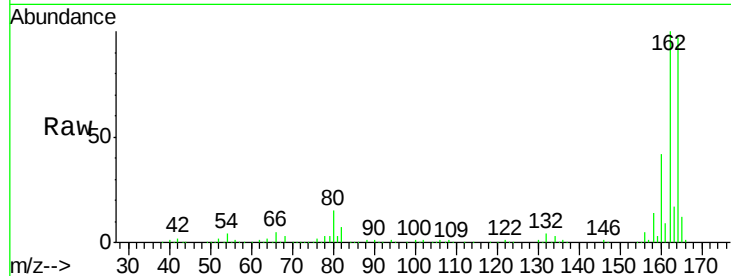




#50
2,6-Dinitrotoluene
Concen: 9.00 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

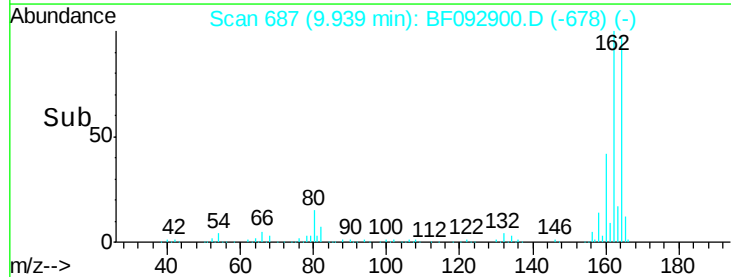
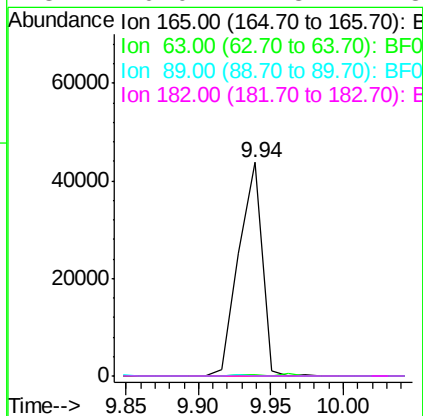
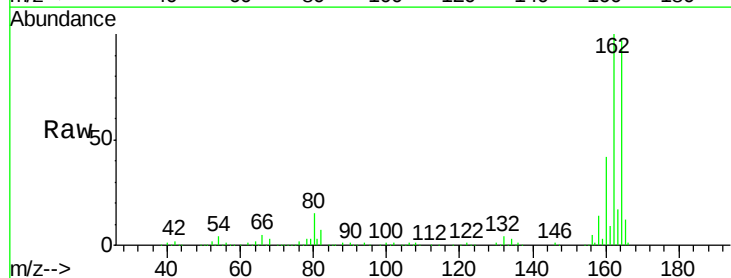
Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

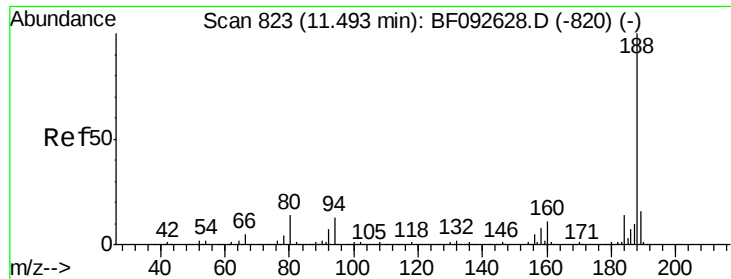
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	36.2	54.4#
89	0.0	40.2	60.4#



#56
2,4-Dinitrotoluene
Concen: 6.76 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

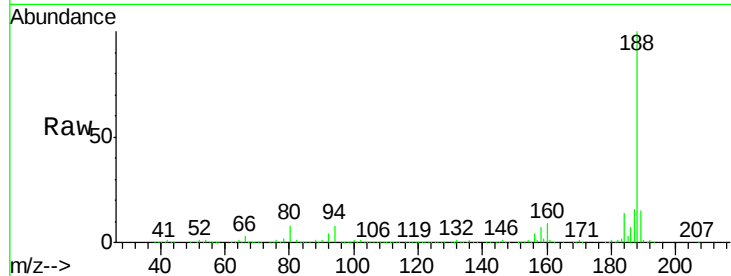
Tgt Ion:188 Resp: 635287

Ion Ratio Lower Upper

188 100

94 7.9 10.0 15.0#

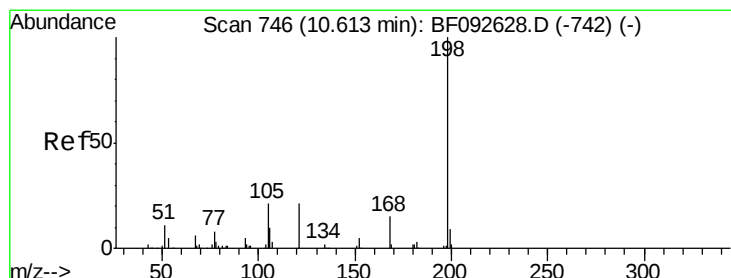
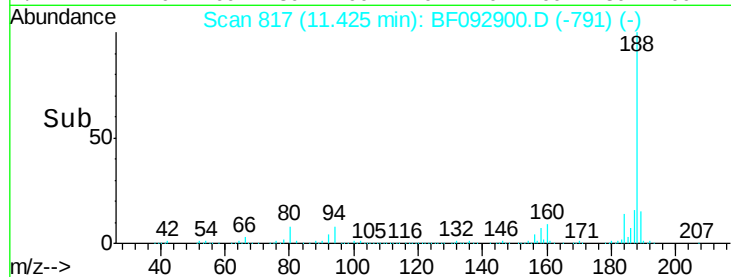
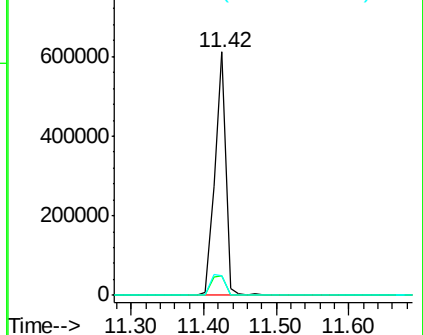
80 8.0 11.2 16.8#



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: 2.76 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.18 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

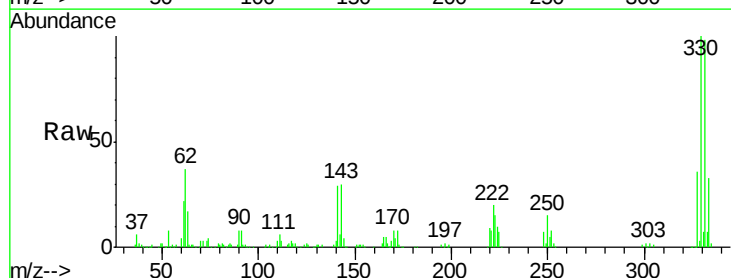
Tgt Ion:198 Resp: 383

Ion Ratio Lower Upper

198 100

51 122.4 6.7 46.7#

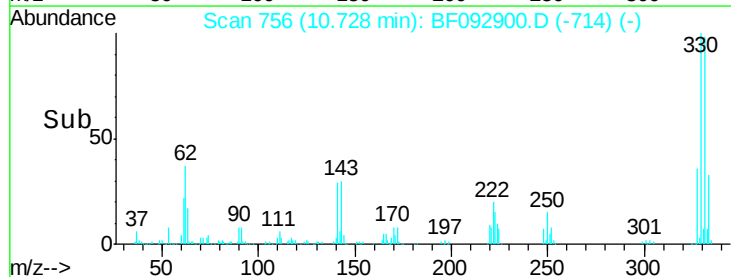
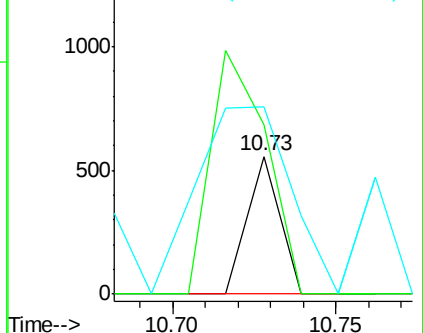
105 135.8 16.6 56.6#

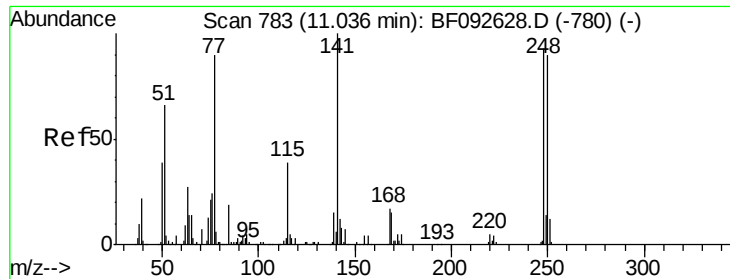


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.37 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.24 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

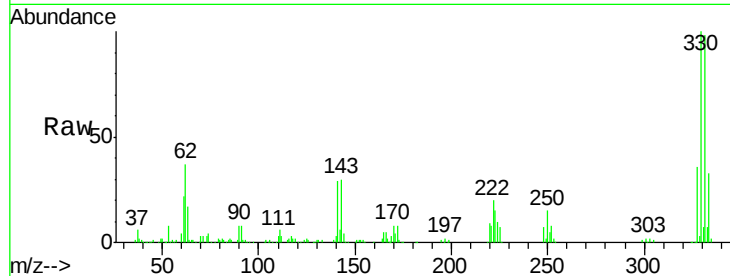
Tgt Ion:248 Resp: 15704

Ion Ratio Lower Upper

248 100

250 197.3 76.9 115.3#

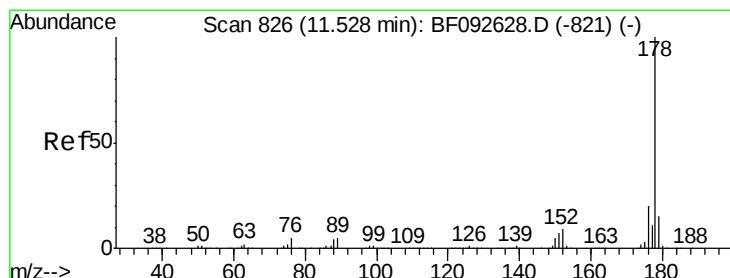
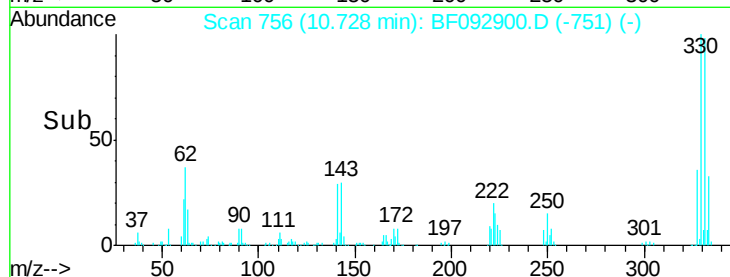
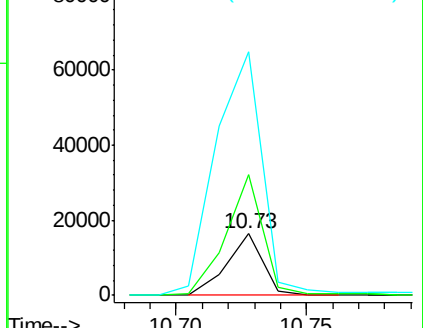
141 397.4 68.2 102.4#



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: 2.36 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

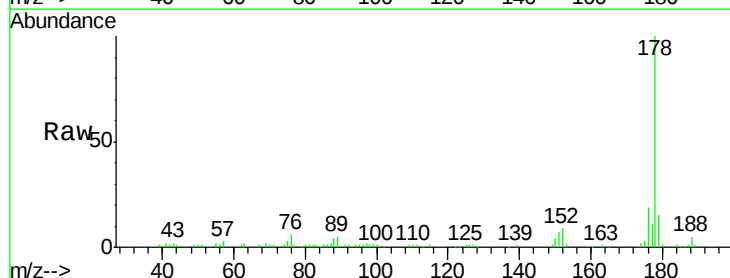
Tgt Ion:178 Resp: 86056

Ion Ratio Lower Upper

178 100

176 18.6 16.6 25.0

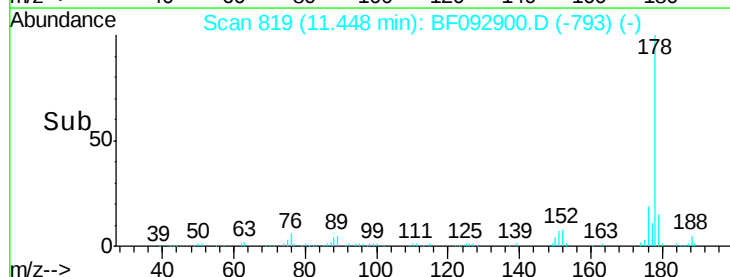
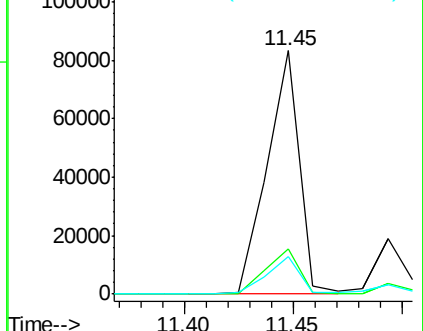
179 15.3 12.8 19.2

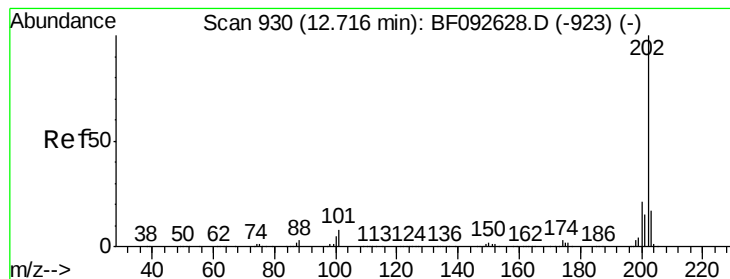


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.19 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

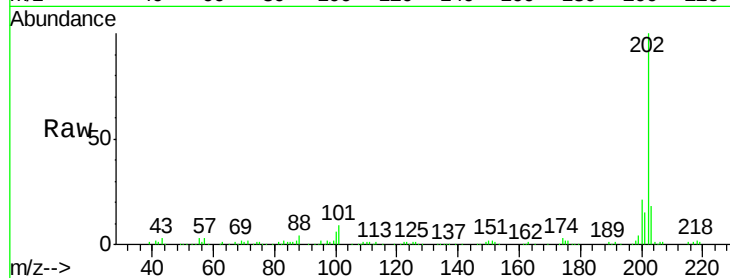
Tgt Ion:202 Resp: 157330

Ion Ratio Lower Upper

202 100

101 8.5 0.0 34.6

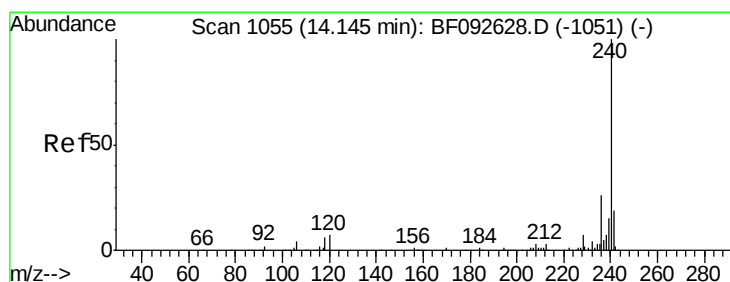
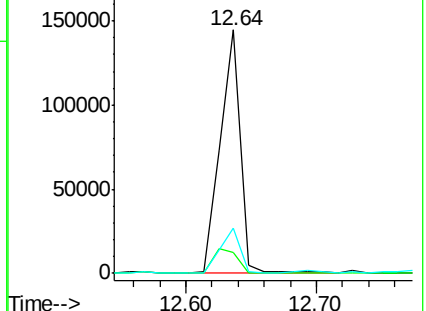
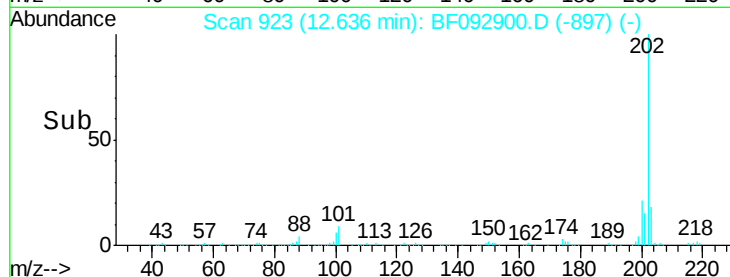
203 18.4 0.0 38.7



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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

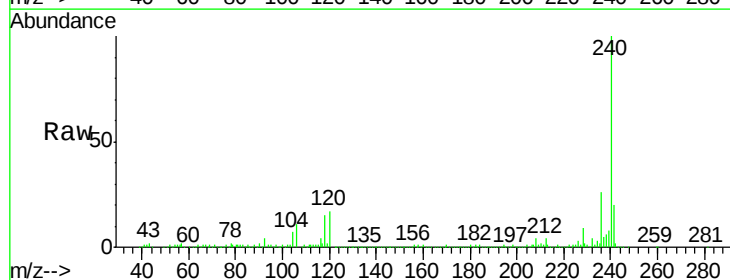
Tgt Ion:240 Resp: 478548

Ion Ratio Lower Upper

240 100

120 16.5 12.9 19.3

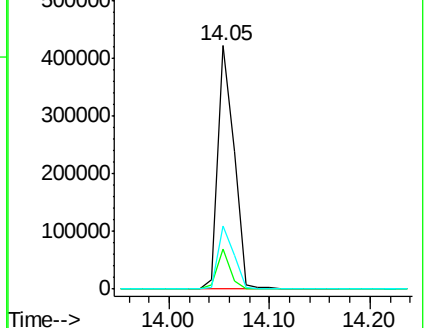
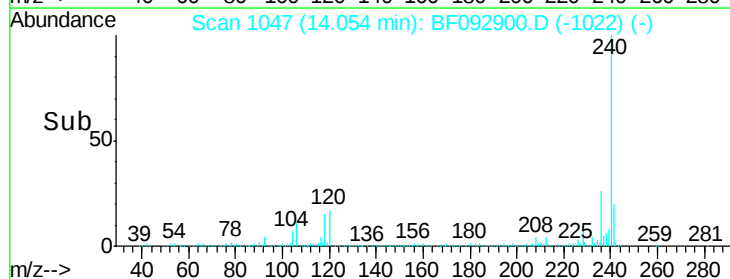
236 25.9 20.9 31.3

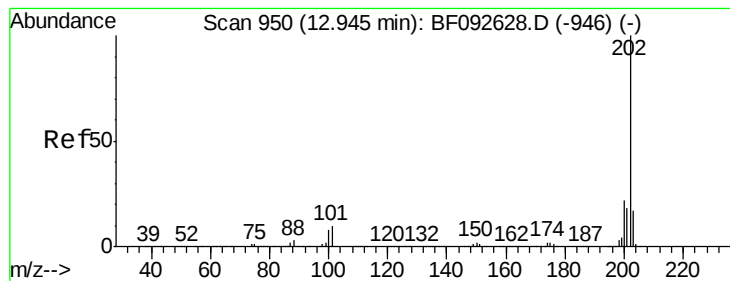


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.50 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

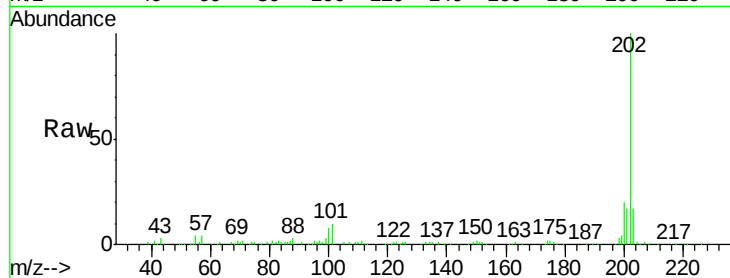
Tgt Ion:202 Resp: 161126

Ion Ratio Lower Upper

202 100

200 20.2 17.7 26.5

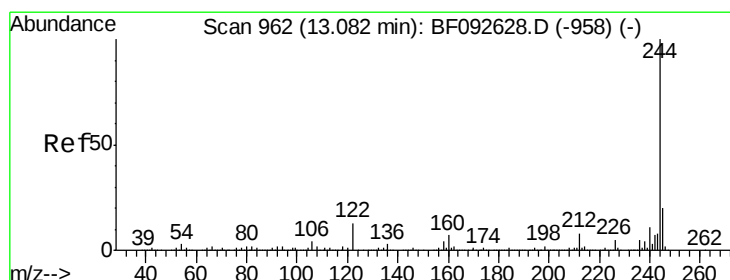
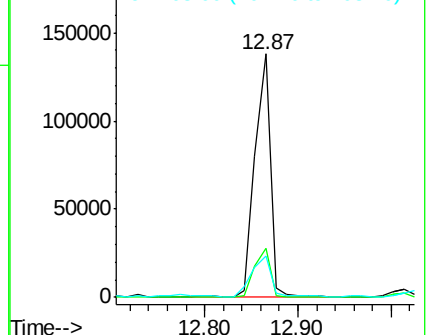
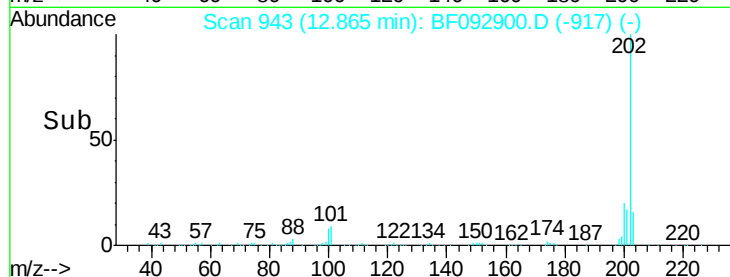
203 17.2 14.7 22.1



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: 65.94 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

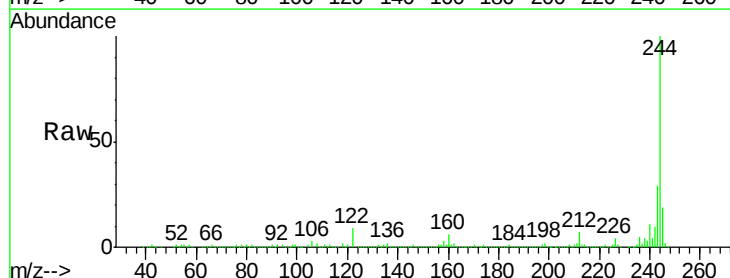
Tgt Ion:244 Resp: 1343069

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

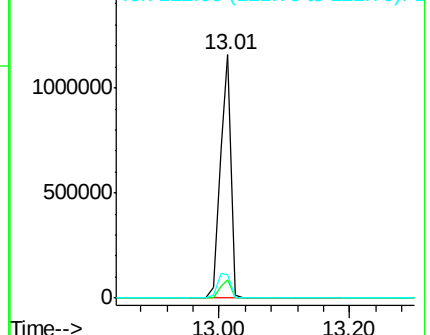
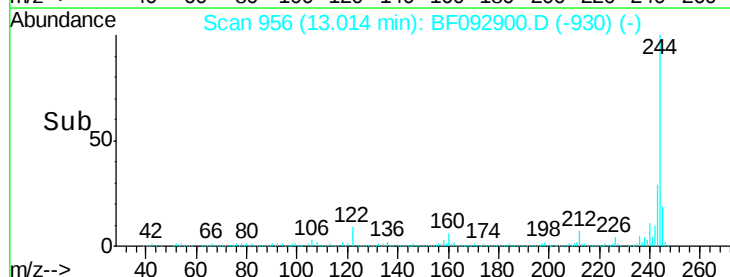
122 9.4 11.4 17.2#

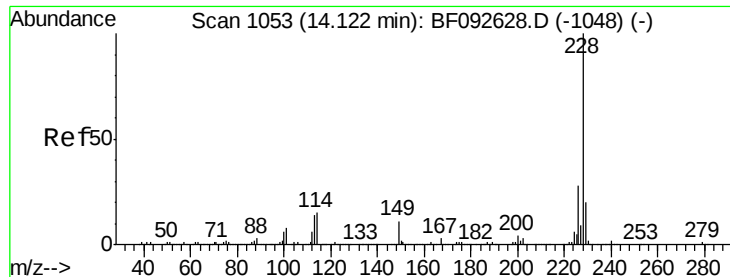


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.58 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

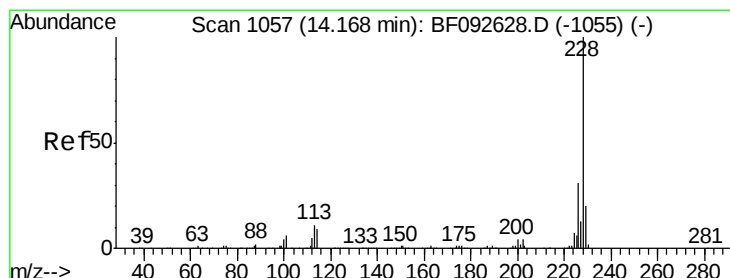
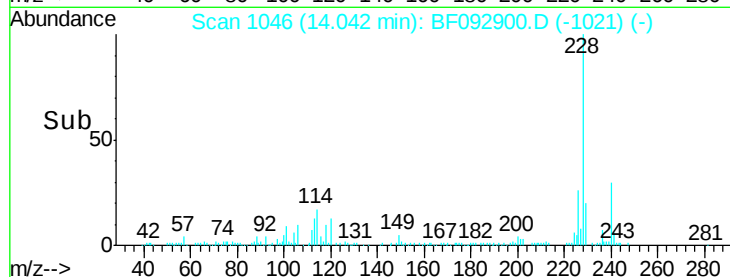
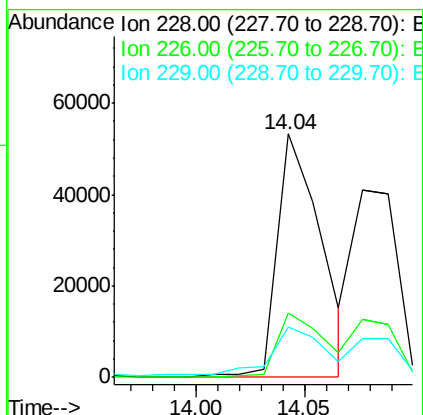
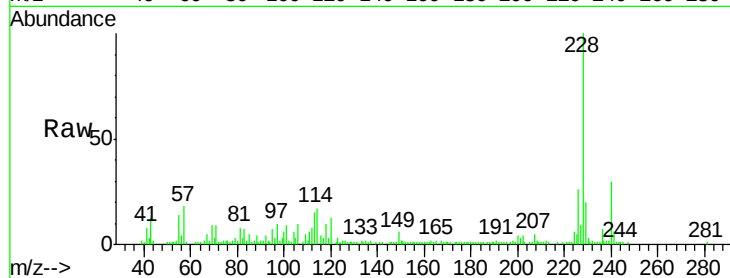
Instrument :

BNA_F

ClientSampleId :

38-SB-03-0-2

Tgt Ion:	228	Resp:	75507
Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.4	33.6
229	20.5	16.2	24.4



#82

Chrysene

Concen: 2.76 ng

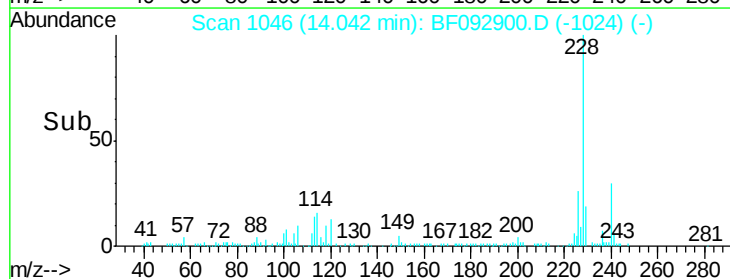
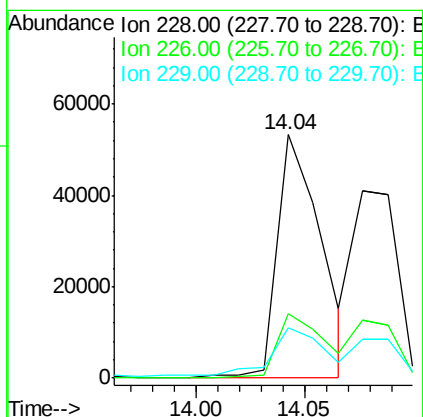
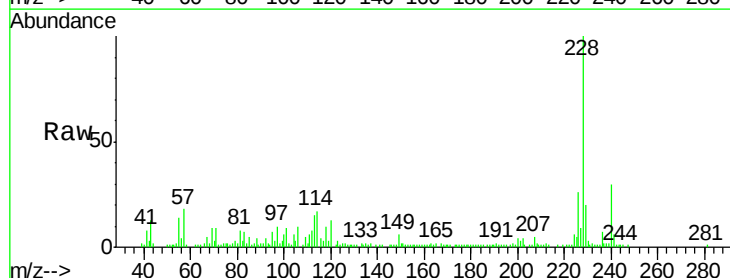
RT: 14.04 min Scan# 1046

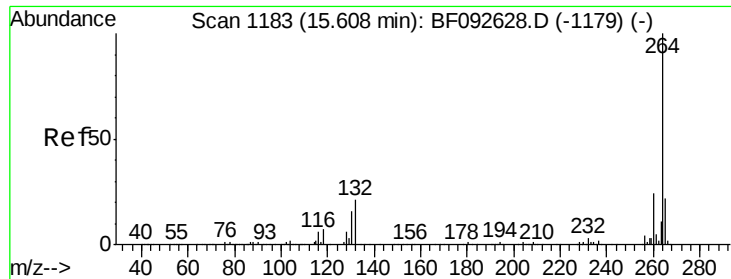
Delta R.T. -0.05 min

Lab File: BF092900.D

Acq: 10 Feb 2017 23:07

Tgt Ion:	228	Resp:	75507
Ion	Ratio	Lower	Upper
228	100		
226	26.3	25.4	38.0
229	20.5	16.2	24.2



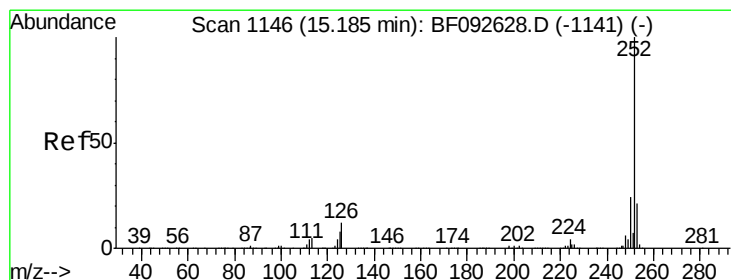
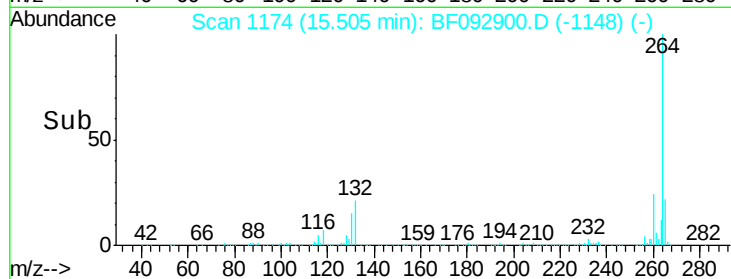
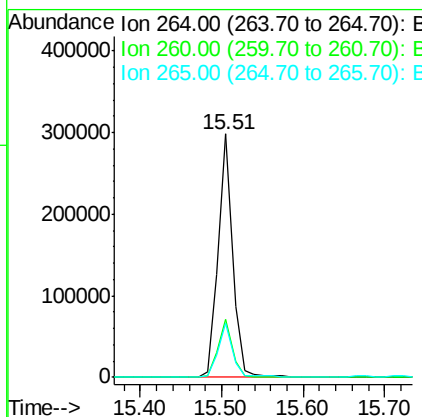
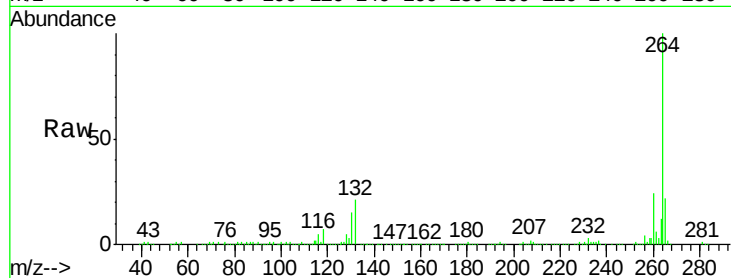


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

Tgt Ion: 264 Resp: 371679

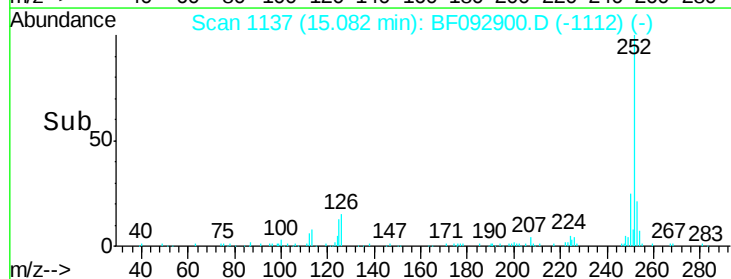
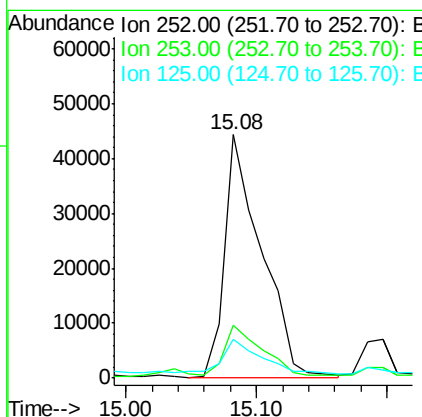
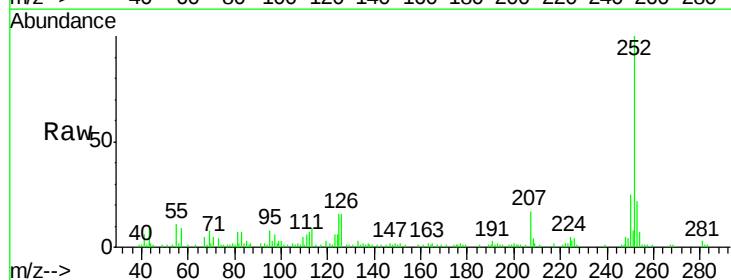
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	17.4	26.0

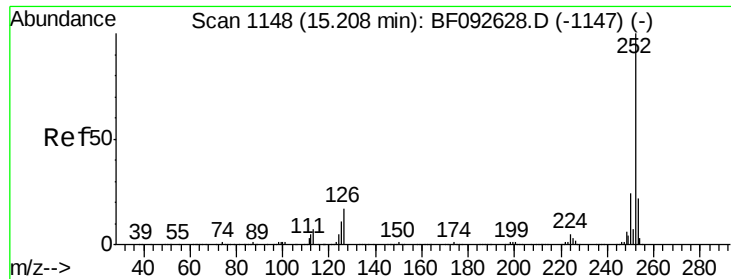


#87
Benzo(b)fluoranthene
Concen: 3.59 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion: 252 Resp: 87707

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	15.8	9.8	14.6

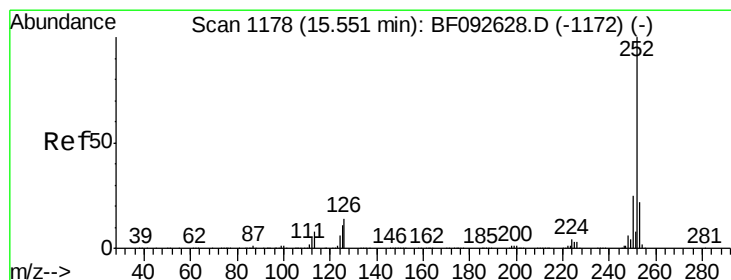
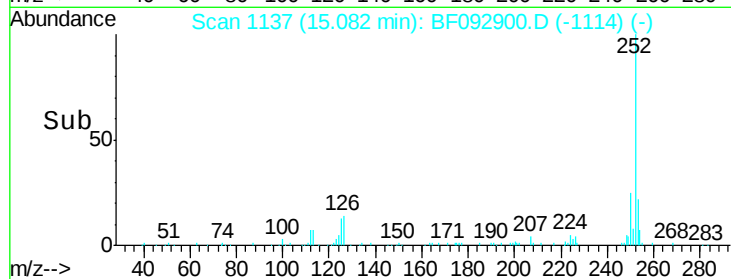
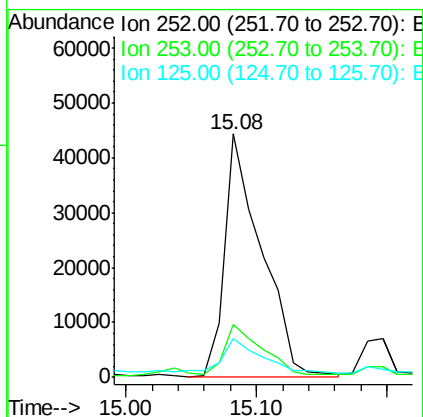
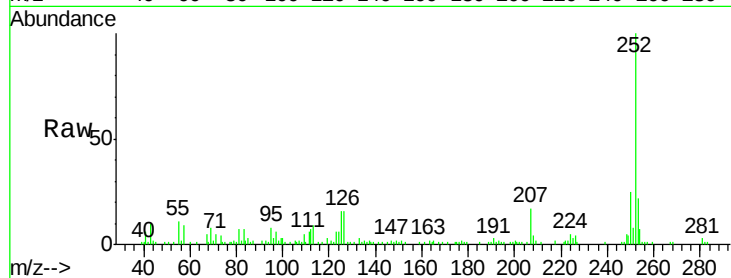




#88
Benzo(k)fluoranthene
Concen: 4.15 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Instrument :
BNA_F
ClientSampleId :
38-SB-03-0-2

Tgt Ion: 252 Resp: 87707
Ion Ratio Lower Upper
252 100
253 21.9 18.5 27.7
125 15.8 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 2.22 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF092900.D
Acq: 10 Feb 2017 23:07

Tgt Ion: 252 Resp: 46936
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 17.4 10.0 15.0#

