

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020217\
 Data File : BF092742.D
 Acq On : 2 Feb 2017 18:32
 Operator : SJ/MA
 Sample : I1658-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-1A-0-2FT

Quant Time: Feb 02 23:55:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	156910	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	620800	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	317251	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	485320	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	338376	20.00	ng	-0.05
86) Perylene-d12	15.56	264	319466	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1456075	159.20	ng	-0.02
7) Phenol-d6	6.58	99	1542470	131.07	ng	-0.02
23) Nitrobenzene-d5	7.50	82	1112808	99.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	341828	148.97	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1537162	87.78	ng	-0.03
78) Terphenyl-d14	13.05	244	1137830	79.01	ng	-0.03

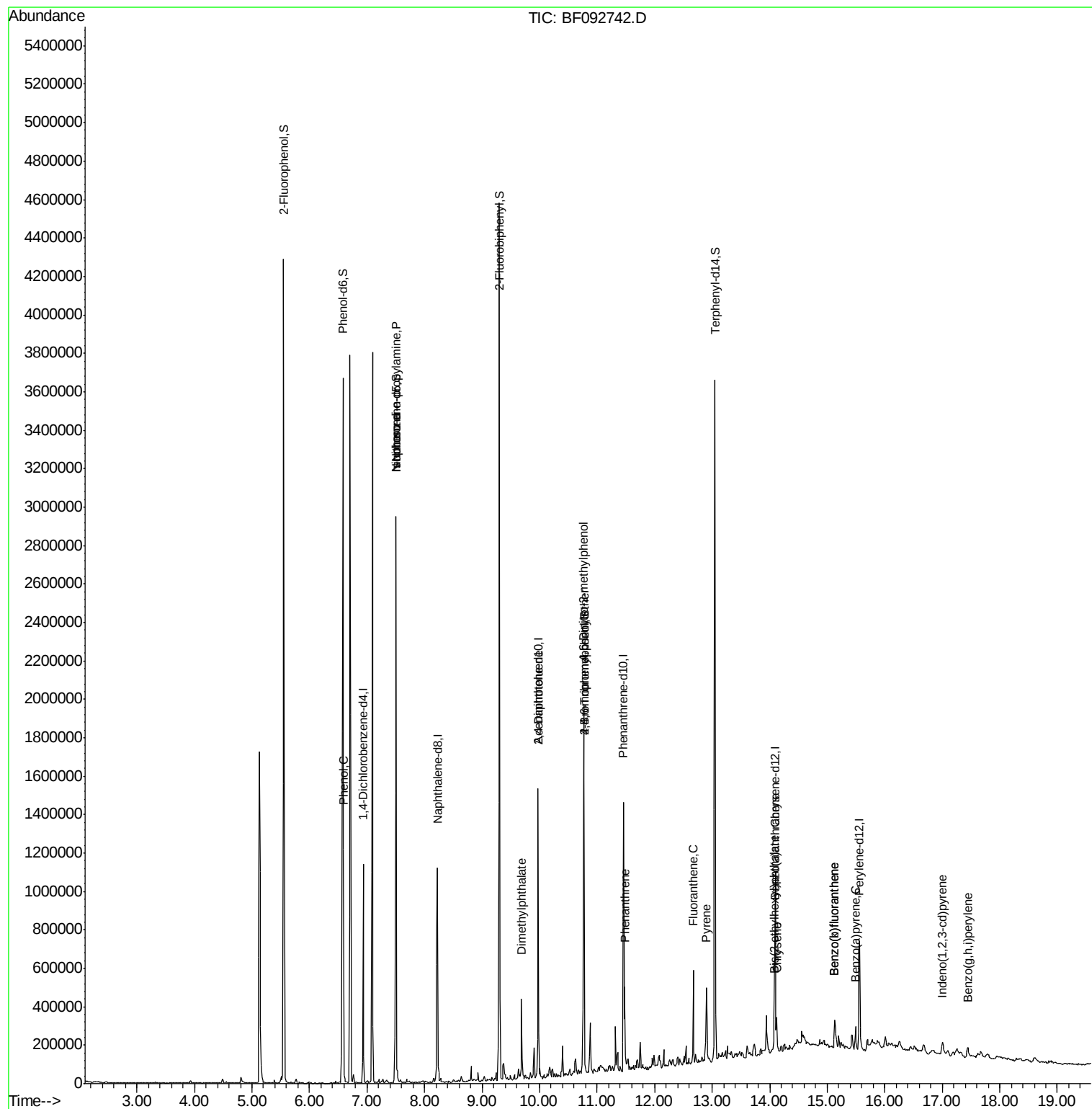
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	132238	9.60	ng	# 77
19) n-Nitroso-di-n-propylamine	7.50	70	151317	20.20	ng	# 79
25) Isophorone	7.50	82	1059173	50.99	ng	# 65
49) Dimethylphthalate	9.69	163	147712	6.91	ng	99
56) 2,4-Dinitrotoluene	9.97	165	43867	7.14	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.76	198	898	2.96	ng	# 1
66) 4-Bromophenyl-phenylether	10.77	248	23916	4.72	ng	# 1
70) Phenanthrene	11.48	178	149740	5.39	ng	98
74) Fluoranthene	12.67	202	177555	6.19	ng	96
77) Pyrene	12.90	202	152321	6.02	ng	98
80) Benzo(a)anthracene	14.09	228	83738	4.05	ng	97
82) Chrysene	14.12	228	52567	2.71	ng	96
83) Bis(2-ethylhexyl)phthalate	14.08	149	34761	2.47	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.00	276	42237	2.81	ng	95
87) Benzo(b)fluoranthene	15.13	252	105701	5.03	ng	97
88) Benzo(k)fluoranthene	15.13	252	105701	5.82	ng	# 96
89) Benzo(a)pyrene	15.49	252	56687	3.12	ng	# 95
91) Benzo(g,h,i)perylene	17.45	276	45453	3.06	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

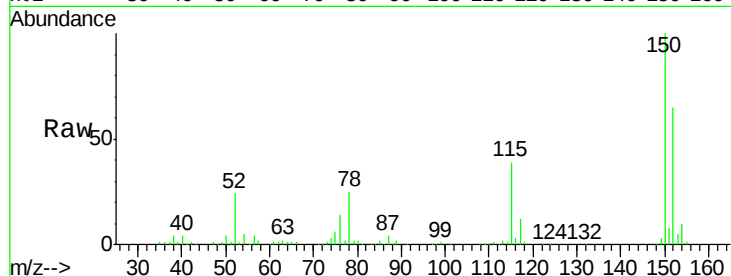
Tgt Ion:152 Resp: 156910

Ion Ratio Lower Upper

152 100

150 154.4 124.9 187.3

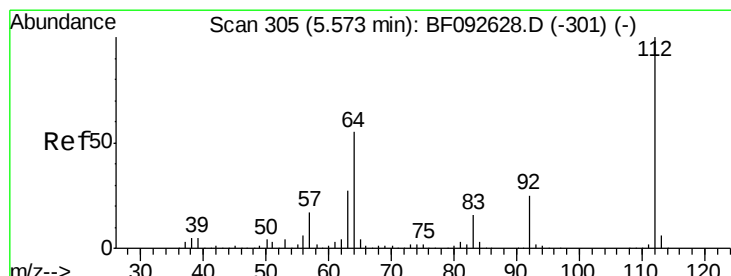
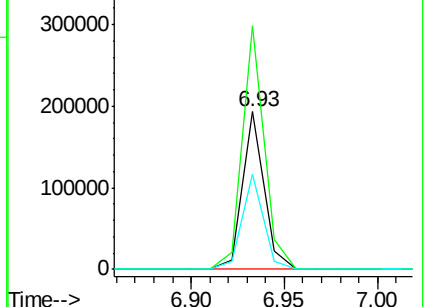
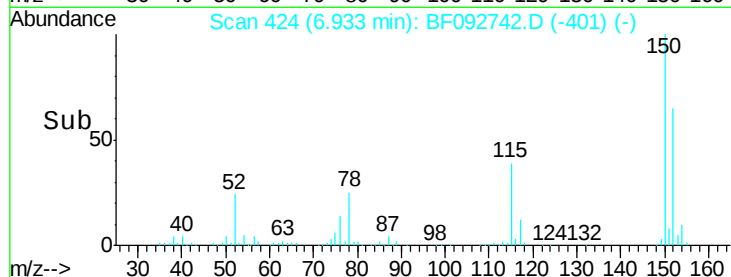
115 60.5 46.0 69.0



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: 159.20 ng

RT: 5.55 min Scan# 303

Delta R.T. -0.02 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

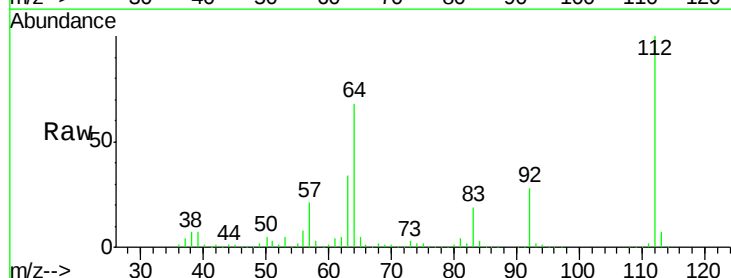
Tgt Ion:112 Resp: 1456075

Ion Ratio Lower Upper

112 100

64 67.9 46.1 69.1

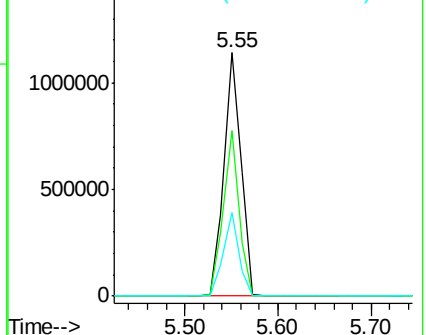
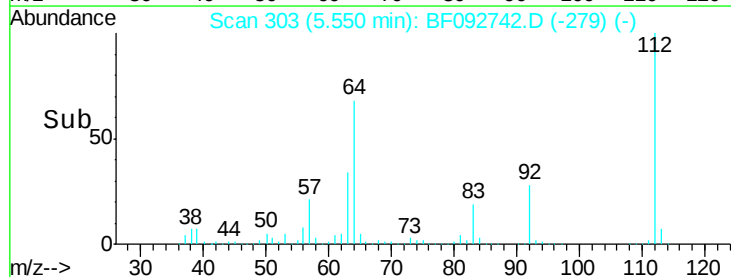
63 34.2 23.8 35.6



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: 131.07 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

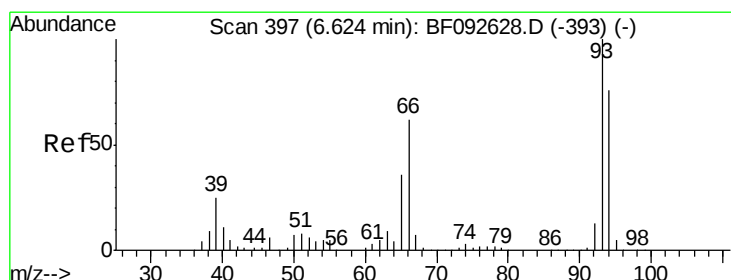
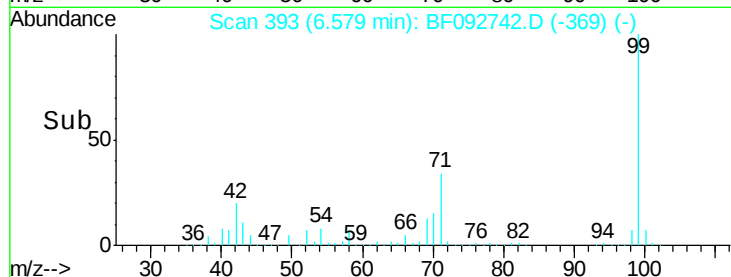
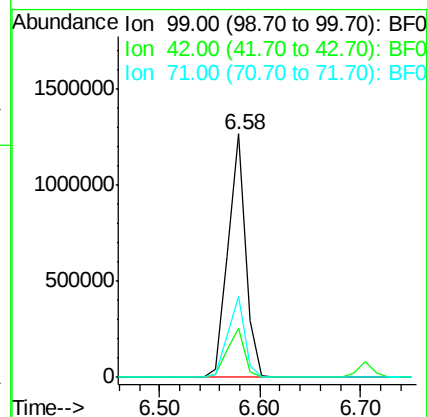
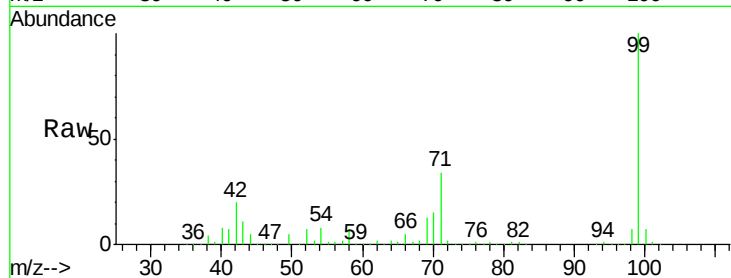
Tgt Ion: 99 Resp: 1542470

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

71 33.6 27.5 41.3



#10

Phenol

Concen: 9.60 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

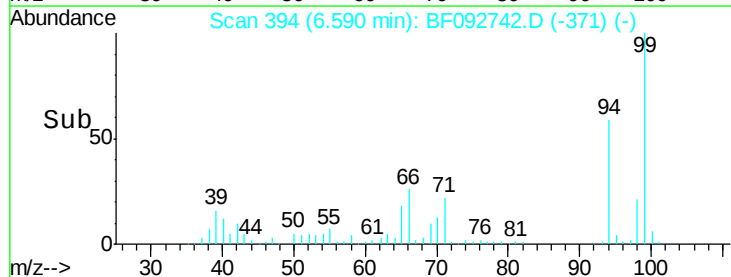
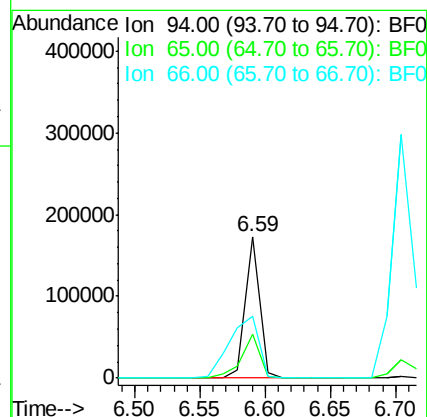
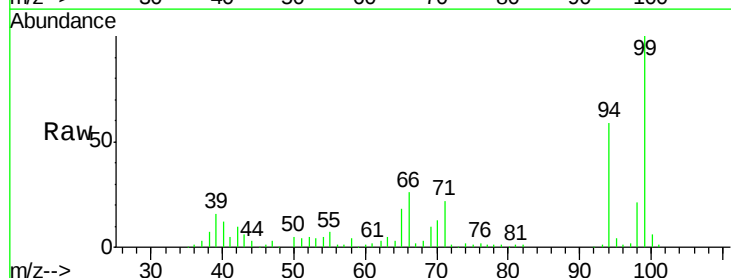
Tgt Ion: 94 Resp: 132238

Ion Ratio Lower Upper

94 100

65 31.1 21.4 61.4

66 43.3 44.0 84.0#

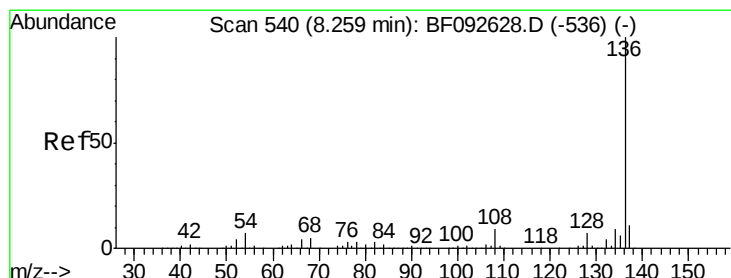
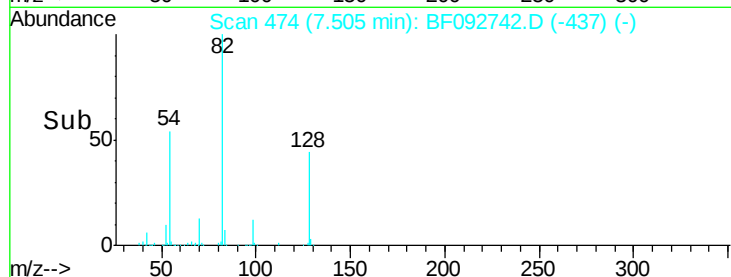
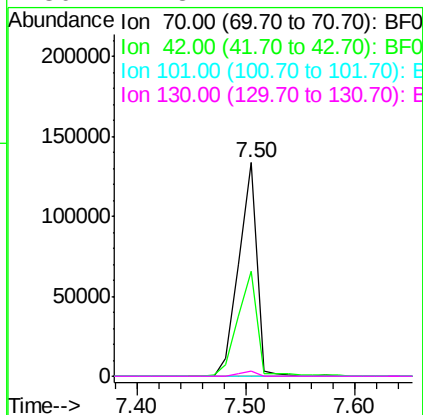
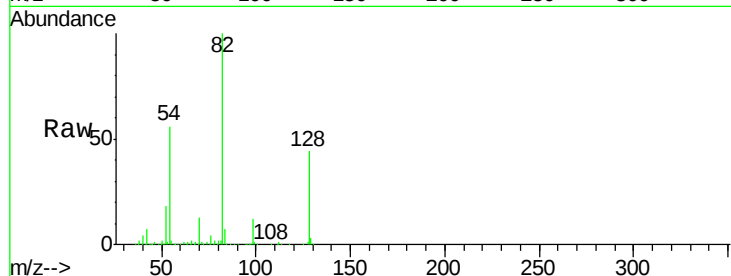




#19
n-Nitroso-di-n-propylamine
Concen: 20.20 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.13 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

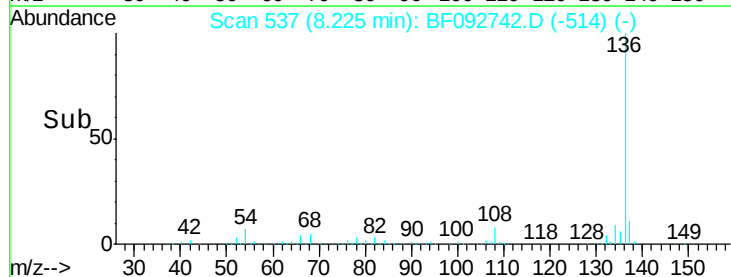
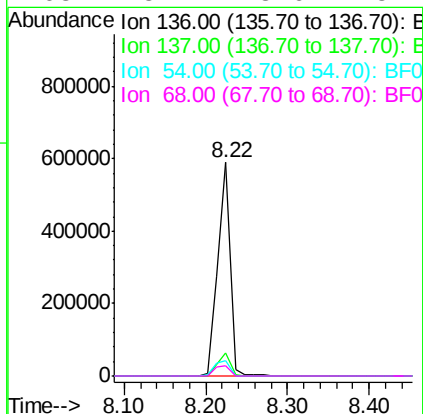
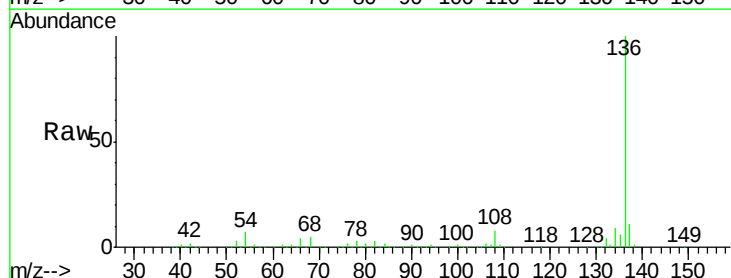
Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

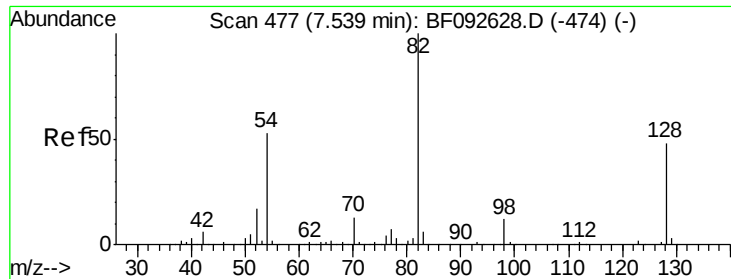
Tgt Ion:	70	Resp:	151317
Ion	Ratio	Lower	Upper
70	100		
42	48.9	49.4	74.0#
101	0.0	7.4	11.2#
130	2.3	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion:	136	Resp:	620800
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.2	4.5	6.7#
68	5.1	3.6	5.4

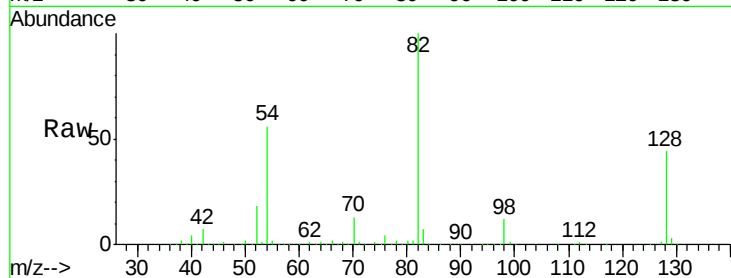




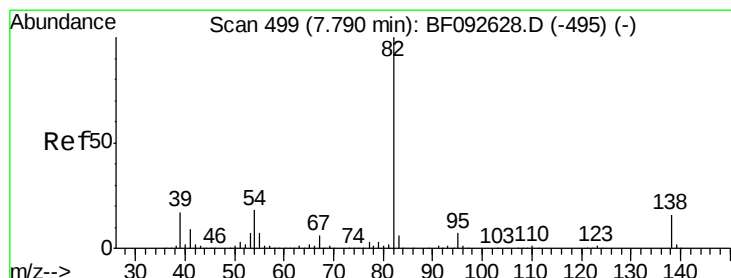
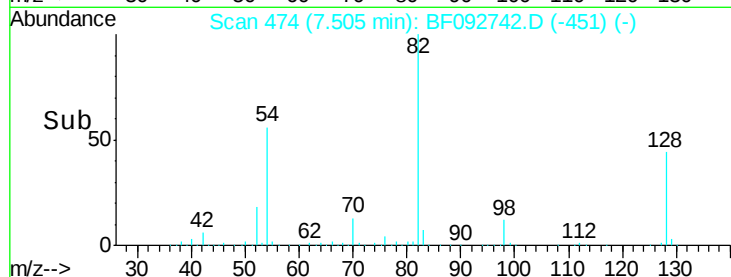
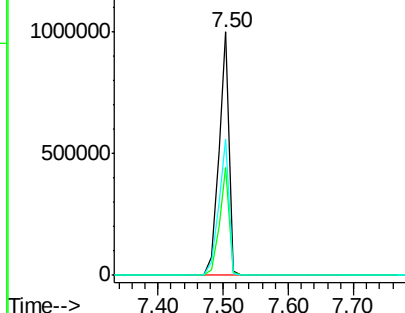
#23
Nitrobenzene-d5
Concen: 99.82 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tgt Ion: 82 Resp: 1112808
Ion Ratio Lower Upper
82 100
128 44.4 34.6 52.0
54 56.1 39.5 59.3

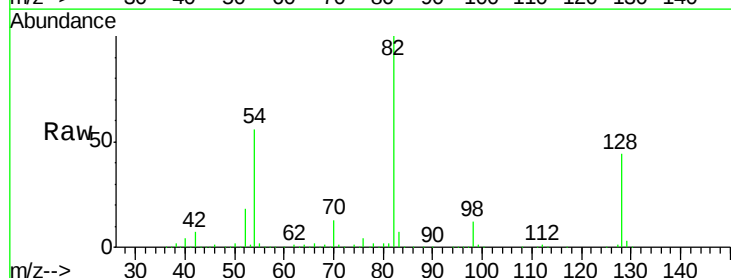


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

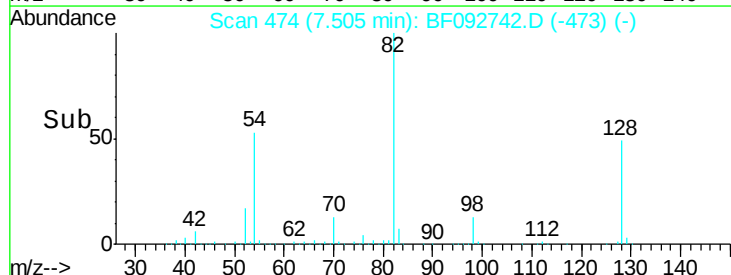
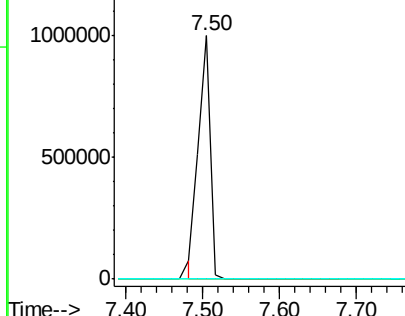


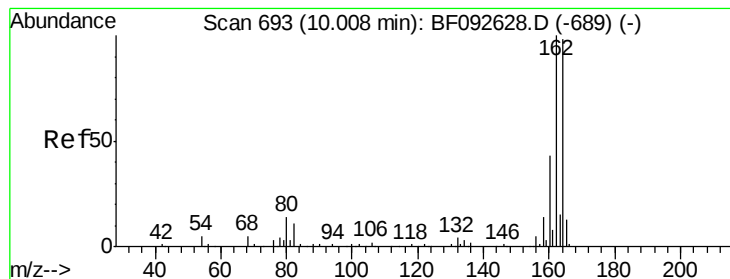
#25
Isophorone
Concen: 50.99 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.29 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion: 82 Resp: 1059173
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: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

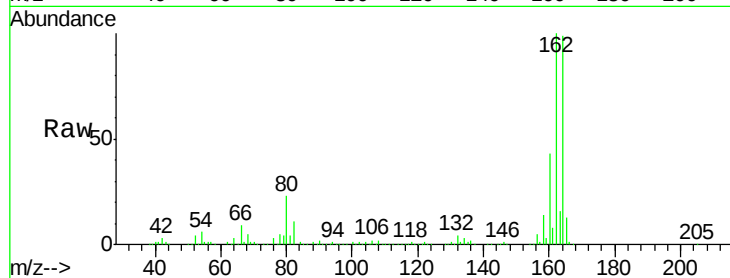
Tgt Ion:164 Resp: 317251

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

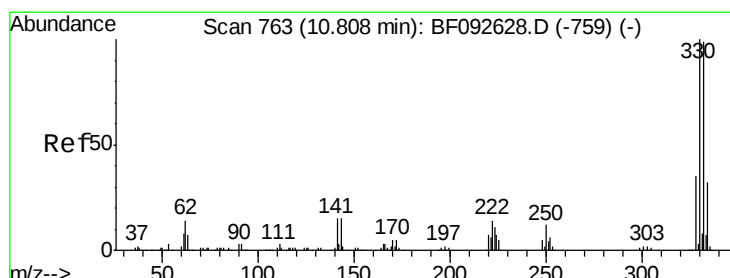
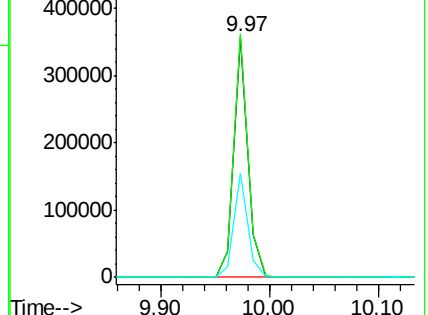
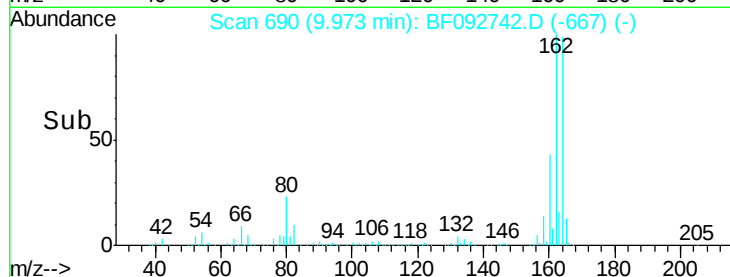
160 43.2 36.9 55.3



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: 148.97 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

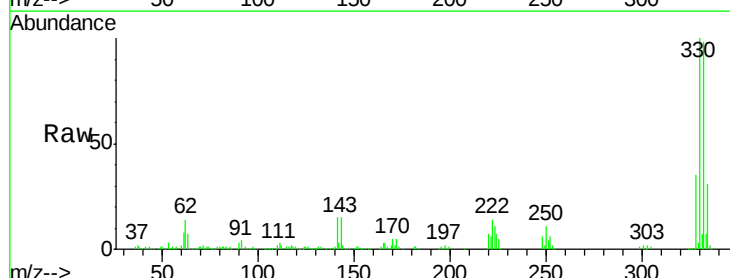
Tgt Ion:330 Resp: 341828

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

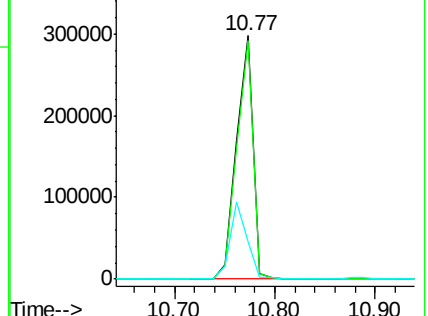
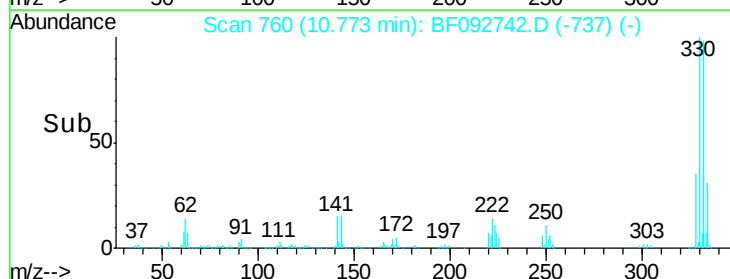
141 33.0 34.1 51.1#



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

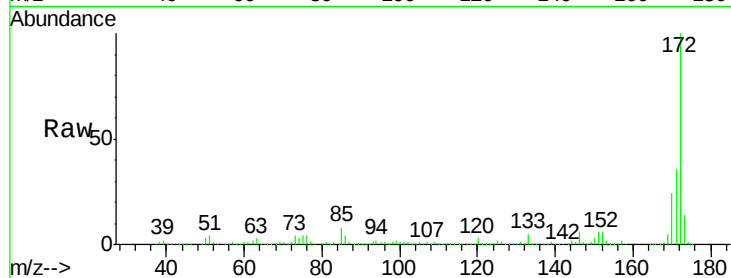




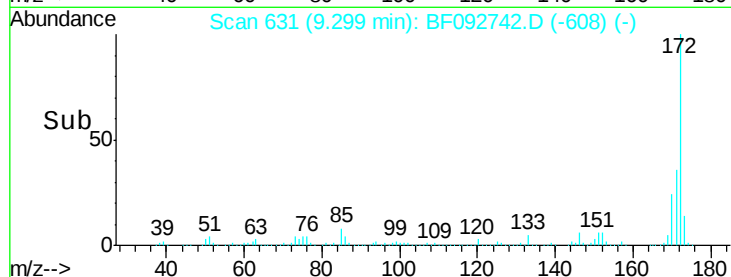
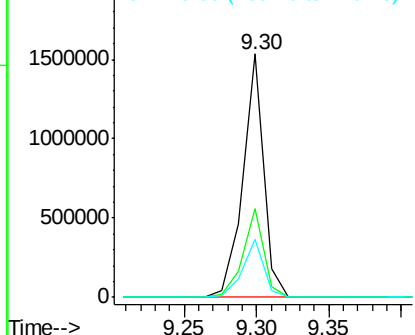
#44
2-Fluorobiphenyl
Concen: 87.78 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tgt Ion:172 Resp: 1537162
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.0 20.2 30.4

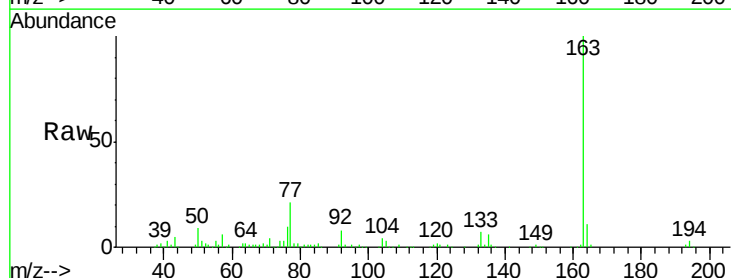


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

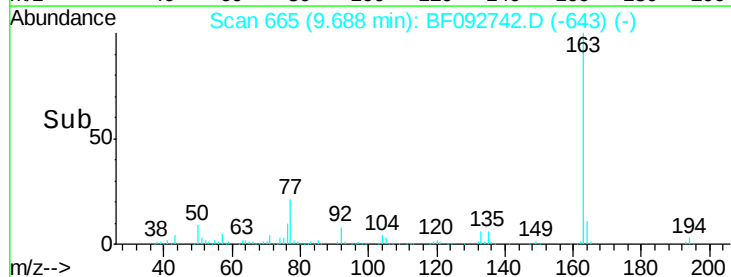
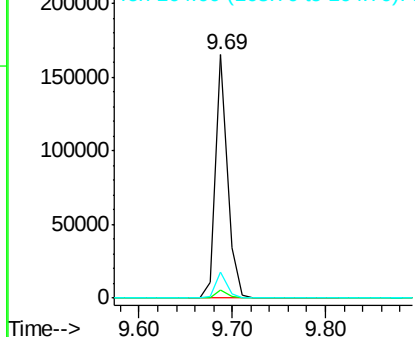


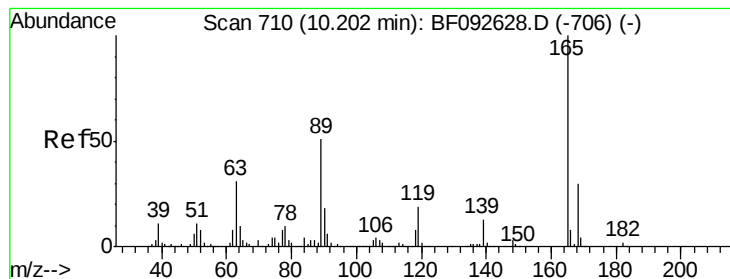
#49
Dimethylphthalate
Concen: 6.91 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion:163 Resp: 147712
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.5 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





#56

2,4-Dinitrotoluene

Concen: 7.14 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.23 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

Tgt Ion:165 Resp: 43867

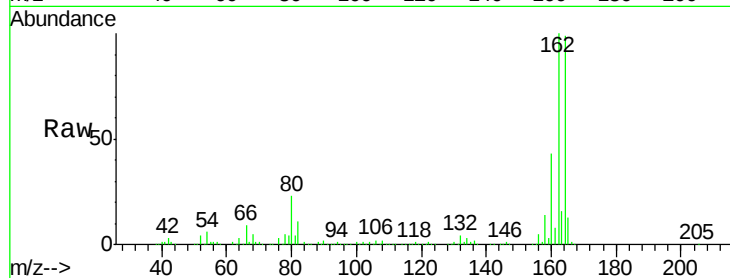
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

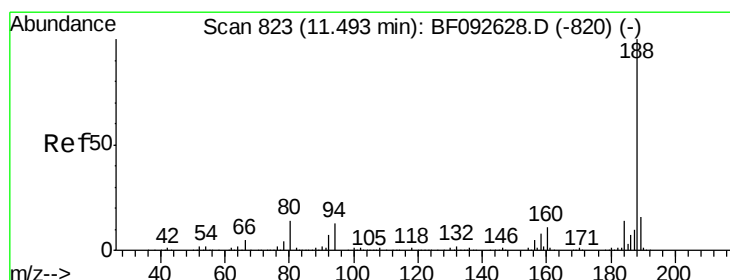
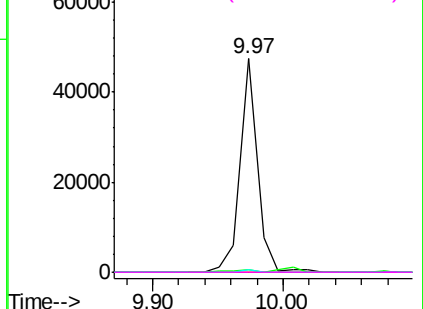
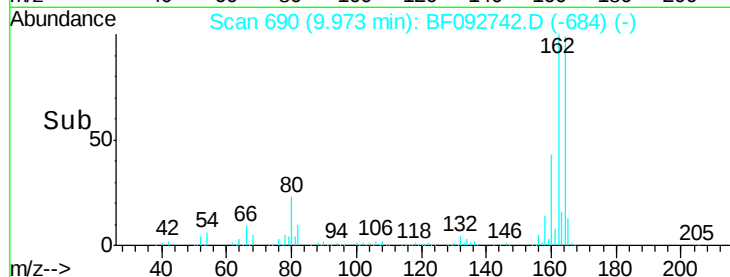


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

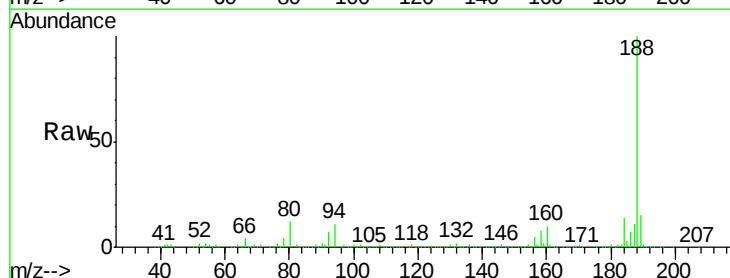
Tgt Ion:188 Resp: 485320

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

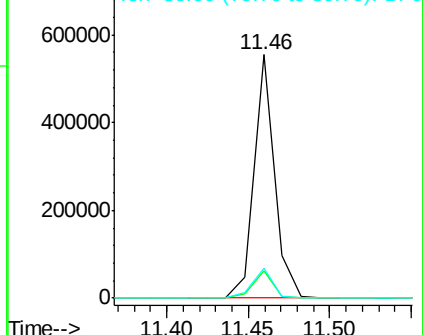
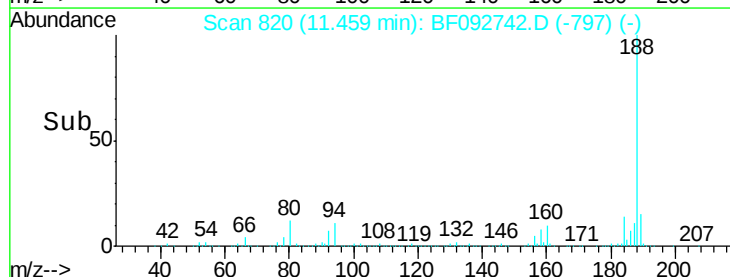
80 12.5 11.2 16.8

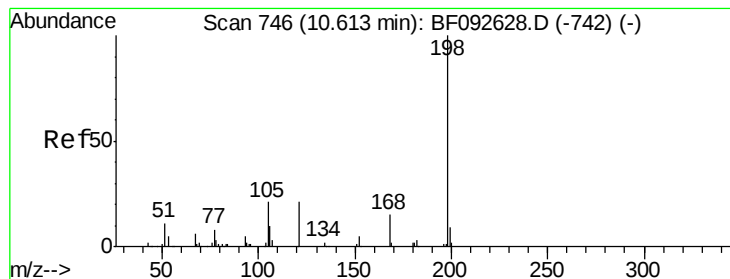


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.96 ng

RT: 10.76 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

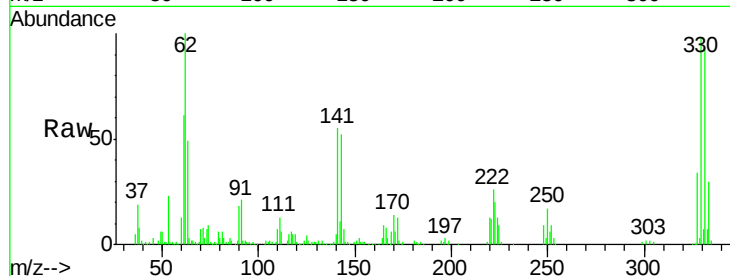
Tgt Ion:198 Resp: 898

Ion Ratio Lower Upper

198 100

51 368.2 6.7 46.7#

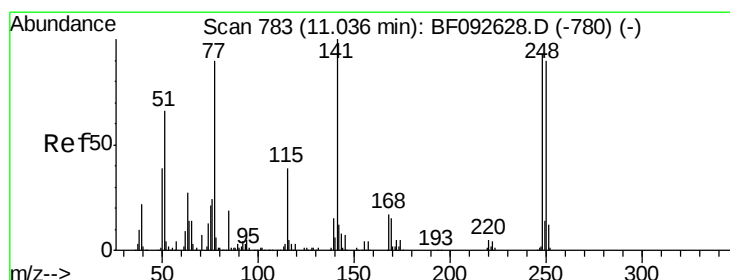
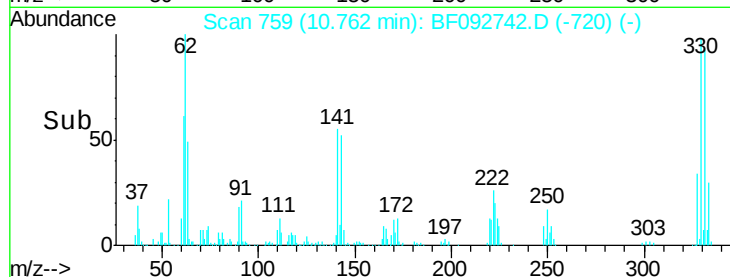
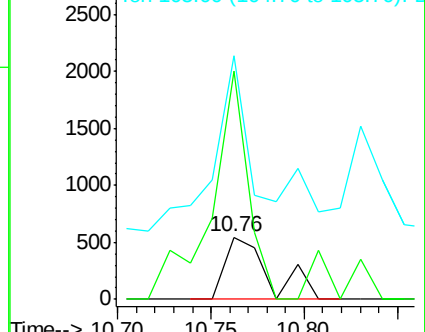
105 392.8 16.6 56.6#



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: 4.72 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

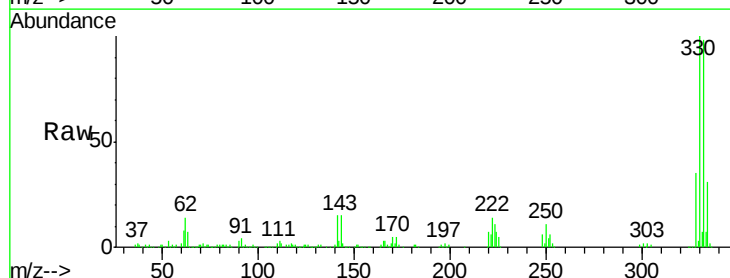
Tgt Ion:248 Resp: 23916

Ion Ratio Lower Upper

248 100

250 199.3 76.9 115.3#

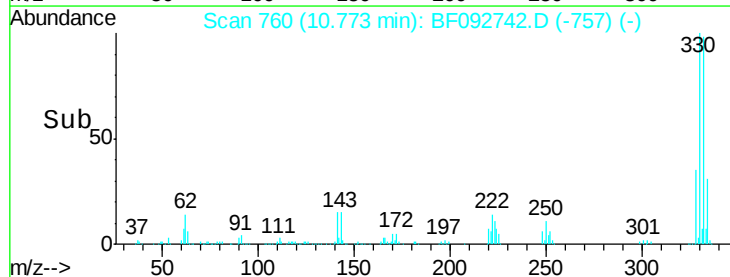
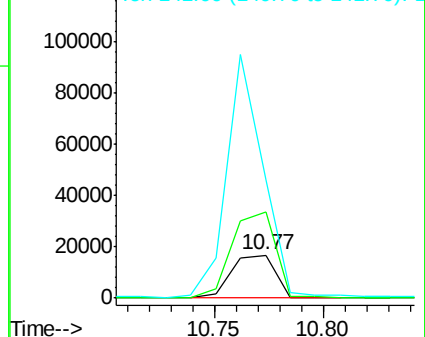
141 273.5 68.2 102.4#

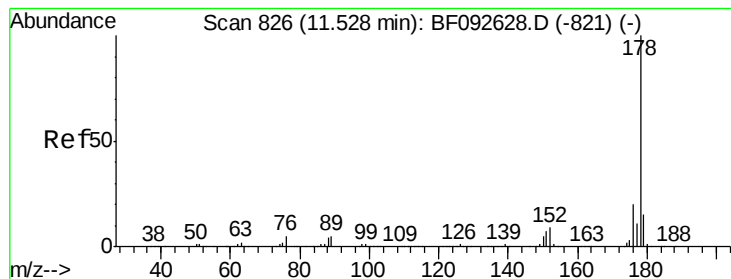


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.39 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

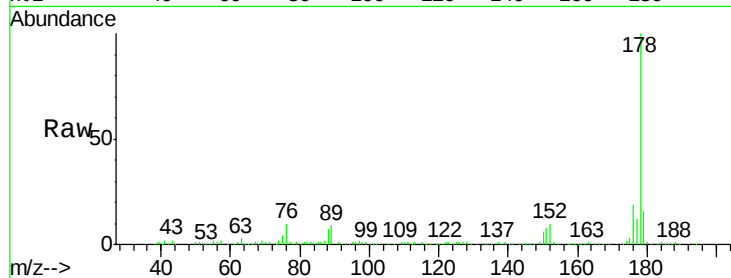
Tgt Ion:178 Resp: 149740

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

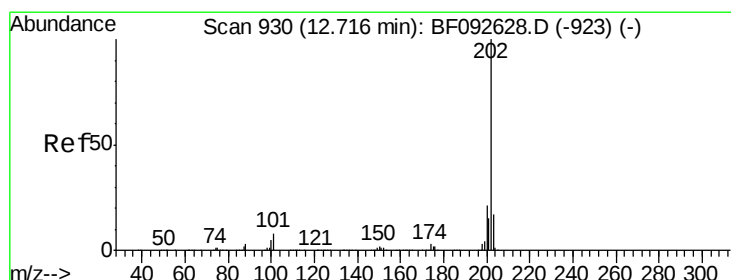
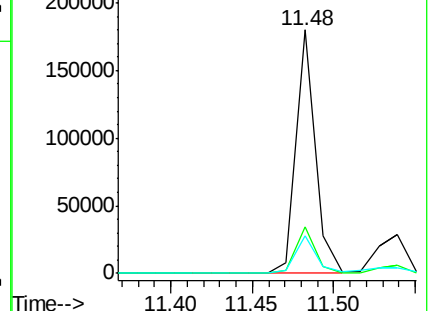
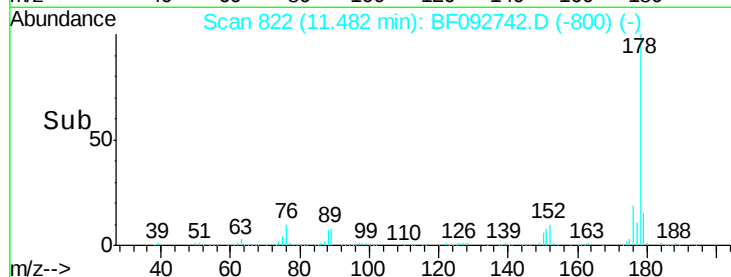
179 15.6 12.8 19.2



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: 6.19 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

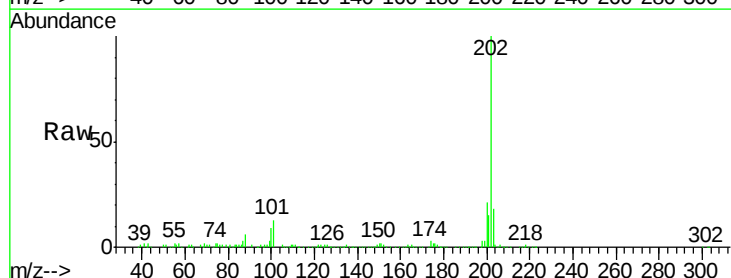
Tgt Ion:202 Resp: 177555

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.6

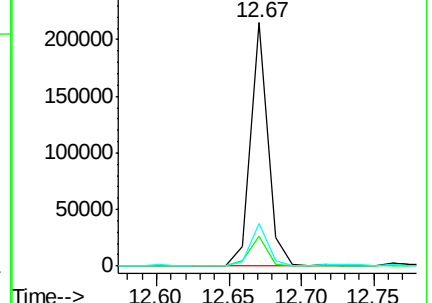
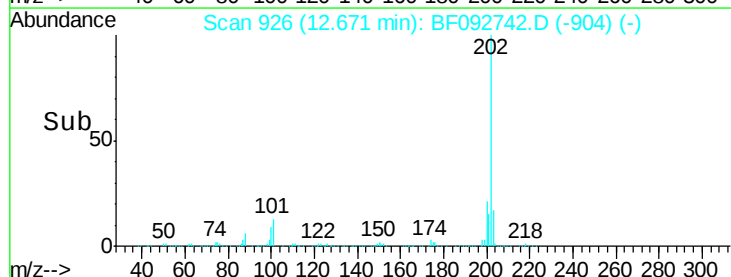
203 17.6 0.0 38.7

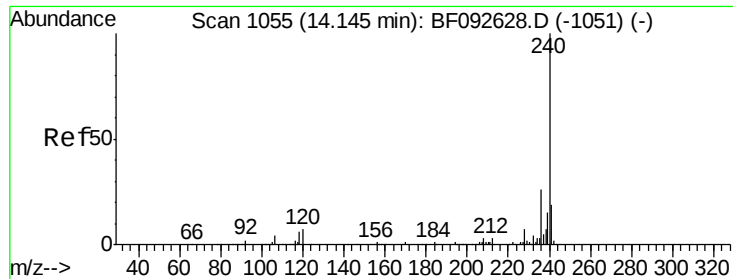


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

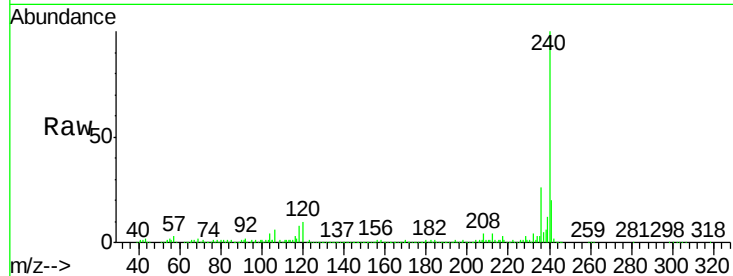
Tgt Ion:240 Resp: 338376

Ion Ratio Lower Upper

240 100

120 10.3 12.9 19.3#

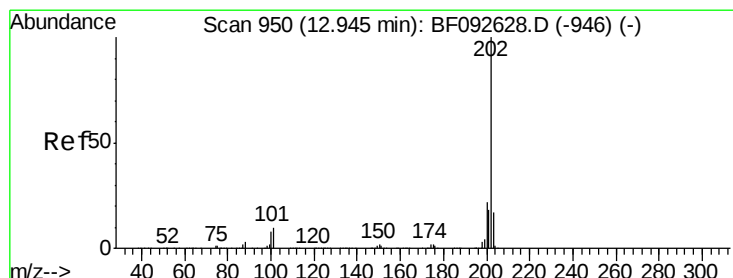
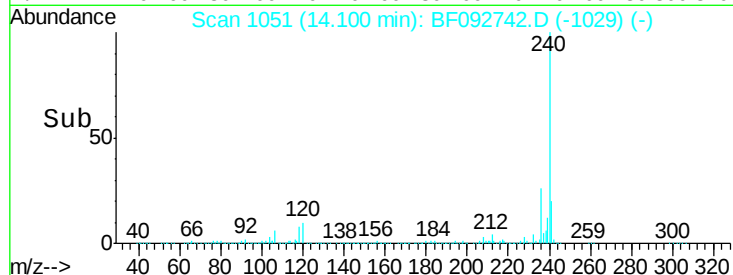
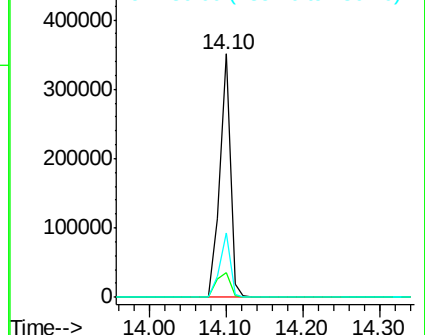
236 26.3 20.9 31.3



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: 6.02 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

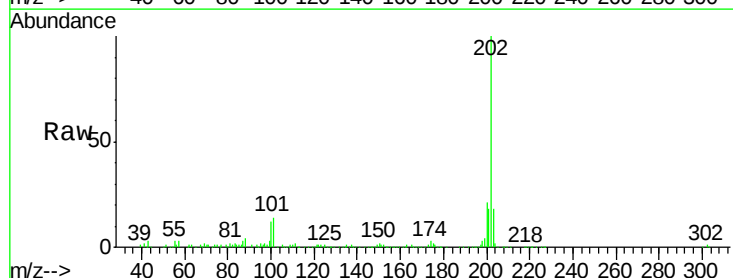
Tgt Ion:202 Resp: 152321

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

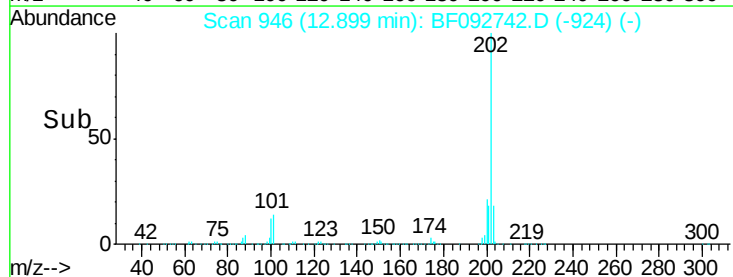
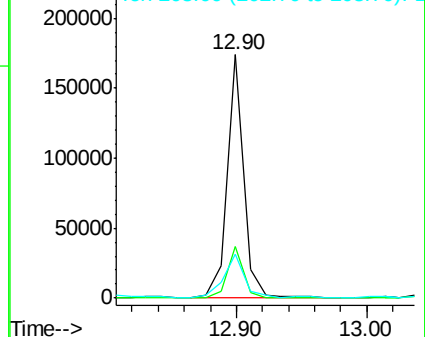
203 18.2 14.7 22.1

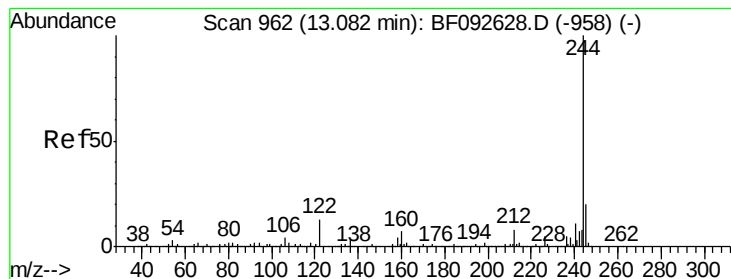


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.01 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

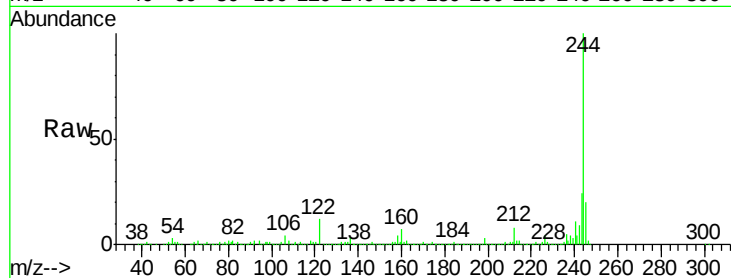
Tgt Ion:244 Resp: 1137830

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

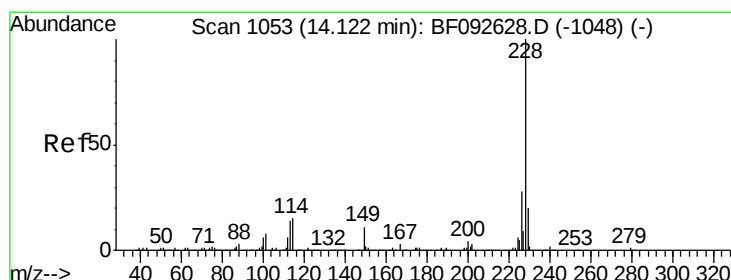
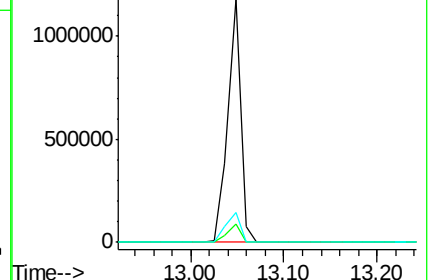
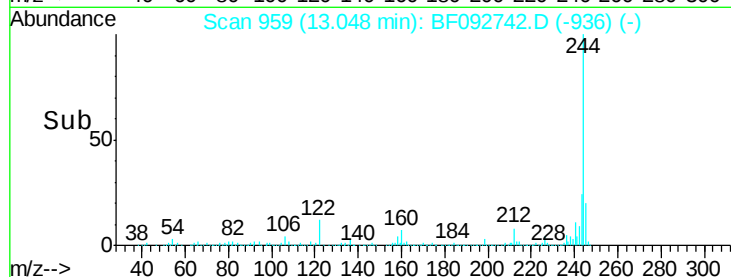
122 12.1 11.4 17.2



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: 4.05 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

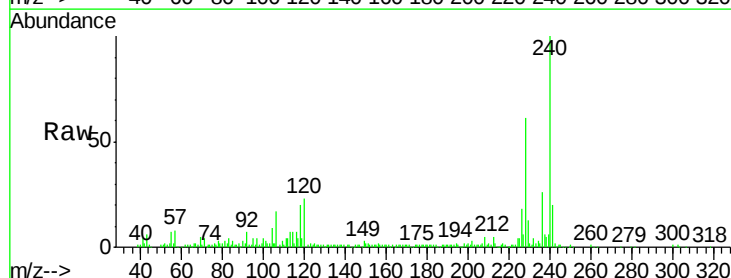
Tgt Ion:228 Resp: 83738

Ion Ratio Lower Upper

228 100

226 30.2 22.4 33.6

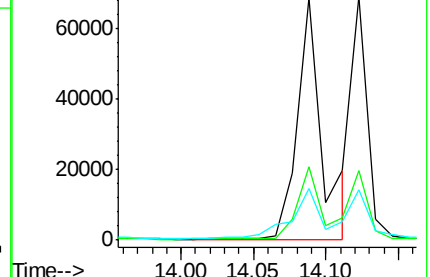
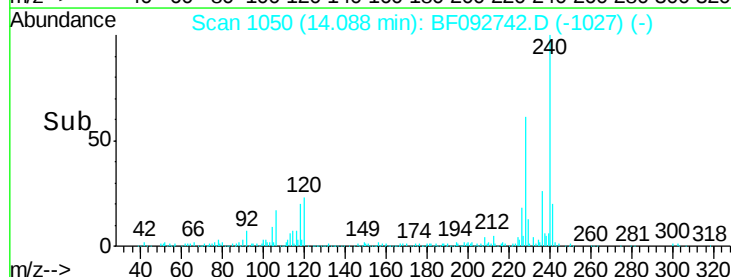
229 21.4 16.2 24.4

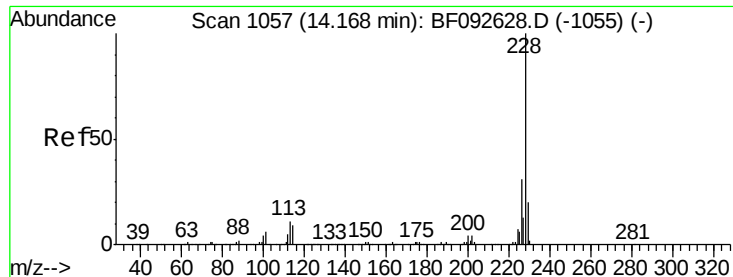


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.71 ng

RT: 14.12 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

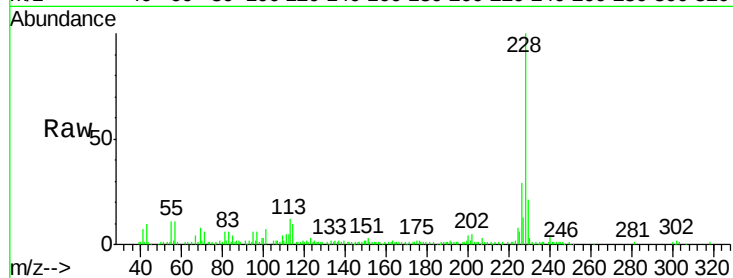
Tgt Ion:228 Resp: 52567

Ion Ratio Lower Upper

228 100

226 28.7 25.4 38.0

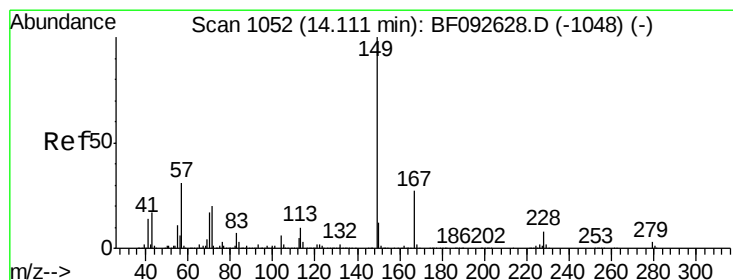
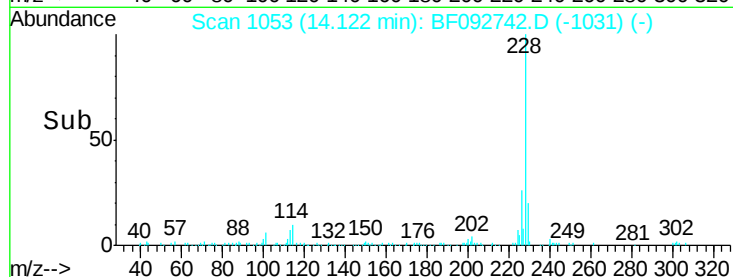
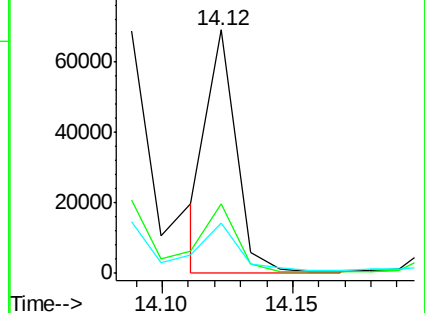
229 20.8 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.47 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

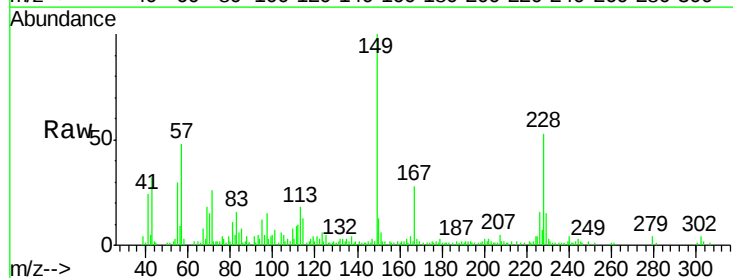
Tgt Ion:149 Resp: 34761

Ion Ratio Lower Upper

149 100

167 28.1 20.2 30.4

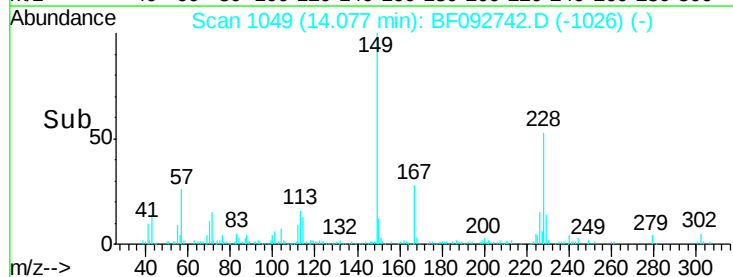
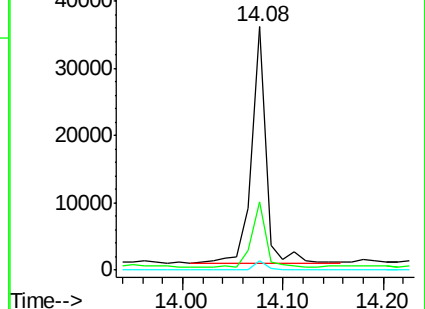
279 3.8 1.8 2.8#

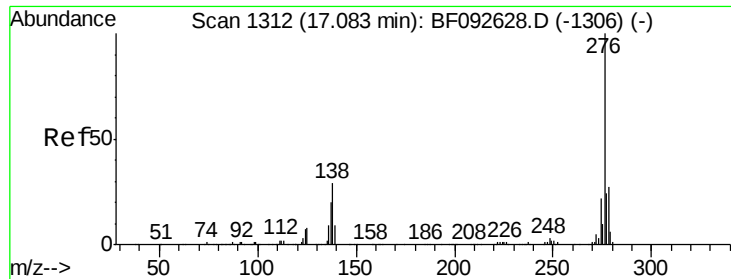


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

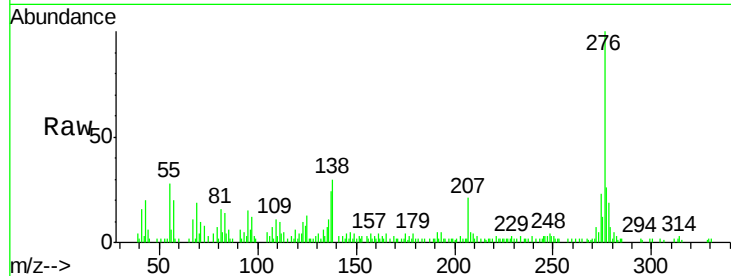




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.08 min
 Lab File: BF092742.D
 Acq: 2 Feb 2017 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-1A-0-2FT

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.8	32.6
277	28.7	20.2	30.4

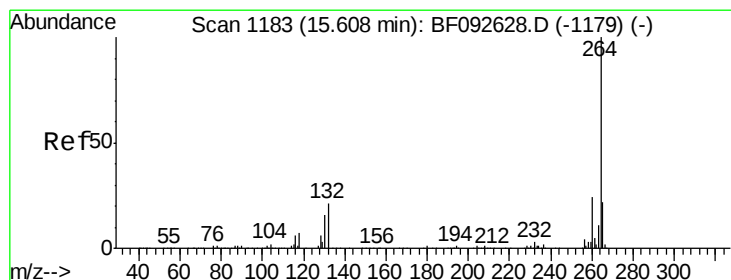
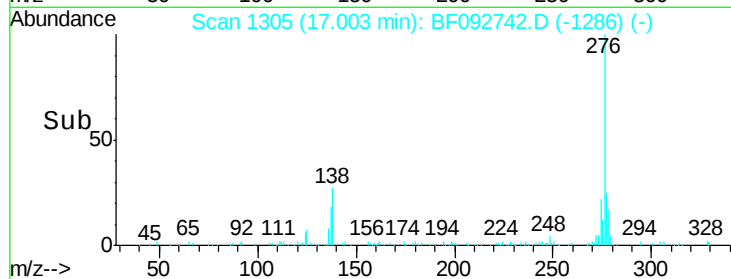
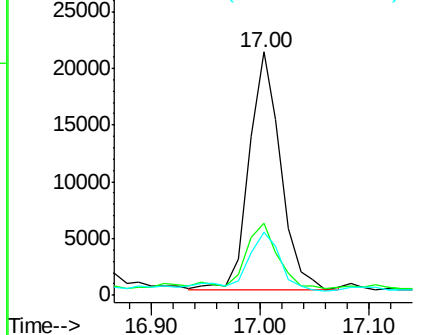


Abundance

Ion 276.00 (275.70 to 276.70): E

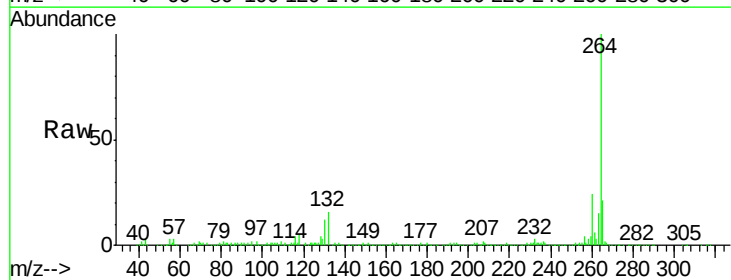
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF092742.D
 Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.2	17.4	26.0

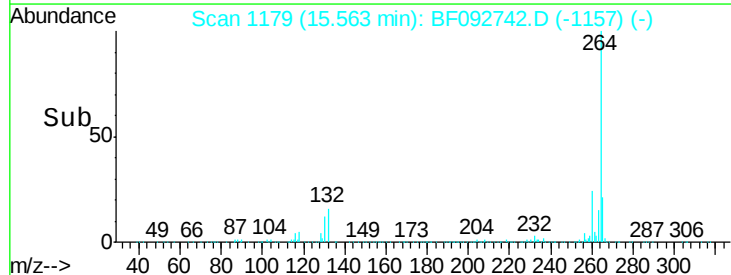
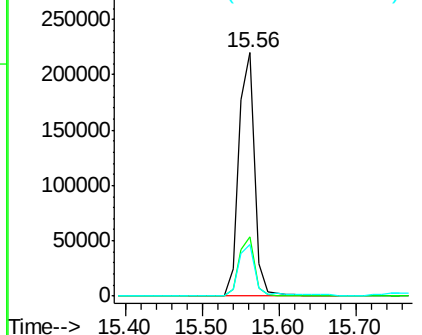


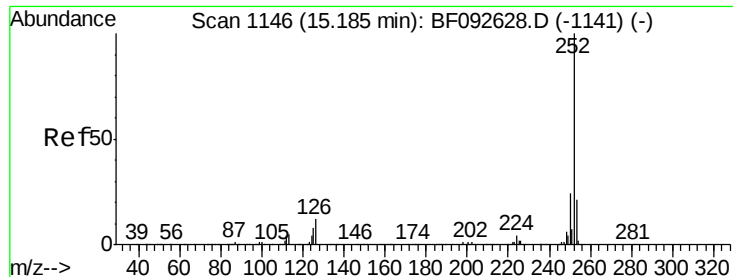
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

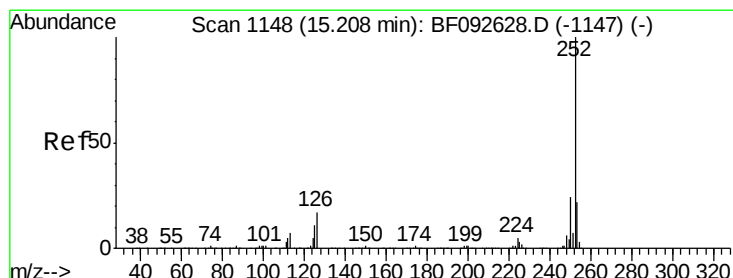
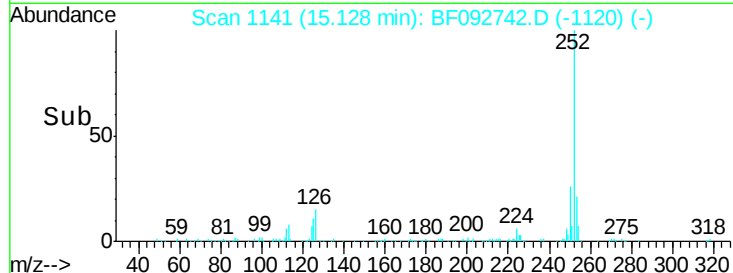
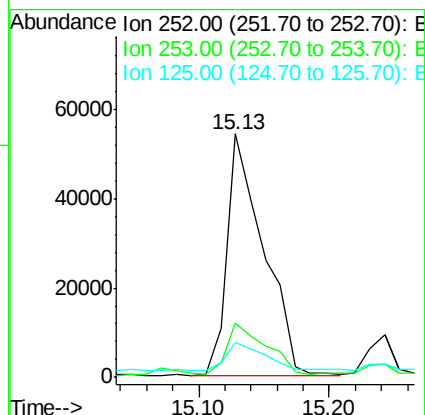
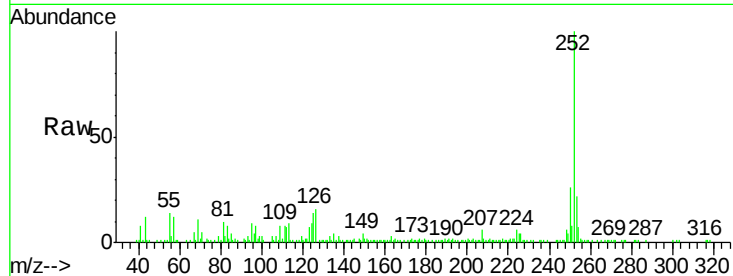




#87
Benzo(b)fluoranthene
Concen: 5.03 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.06 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

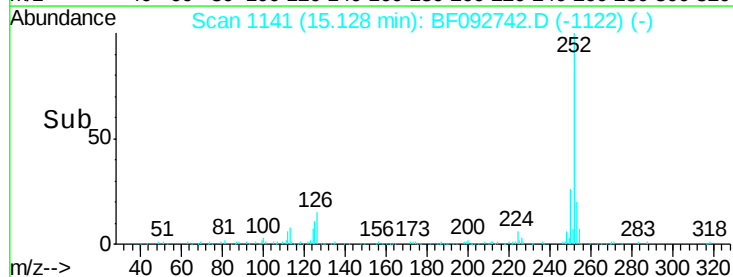
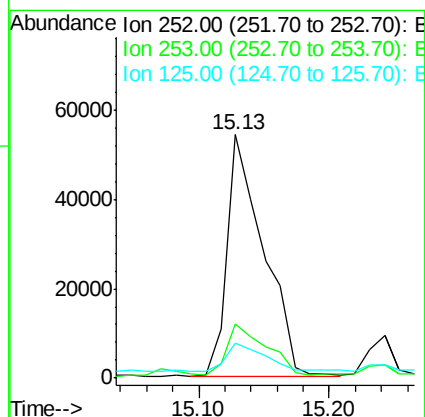
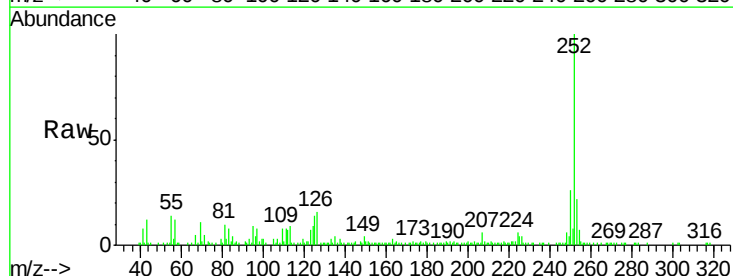
Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

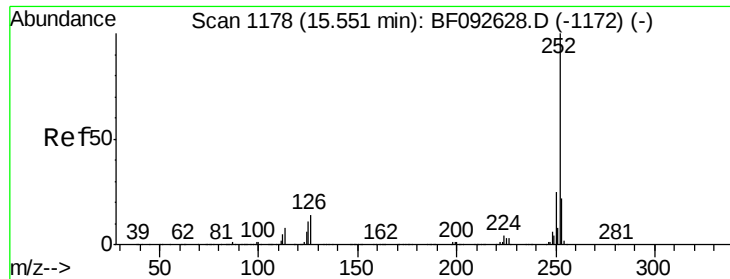
Tgt Ion: 252 Resp: 105701
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 14.3 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 5.82 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion: 252 Resp: 105701
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 14.3 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 3.12 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.06 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

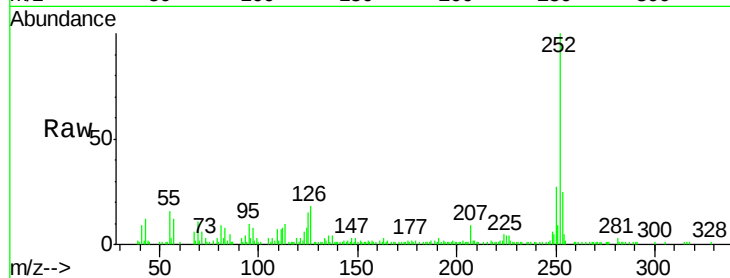
Tgt Ion:252 Resp: 56687

Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

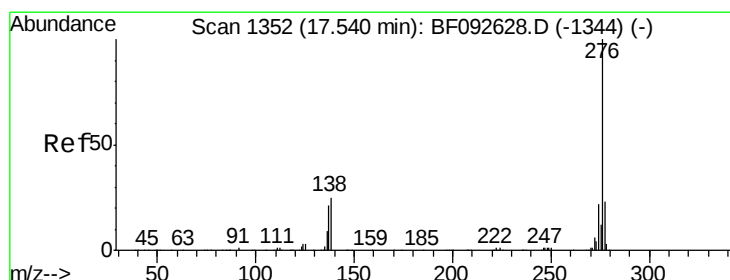
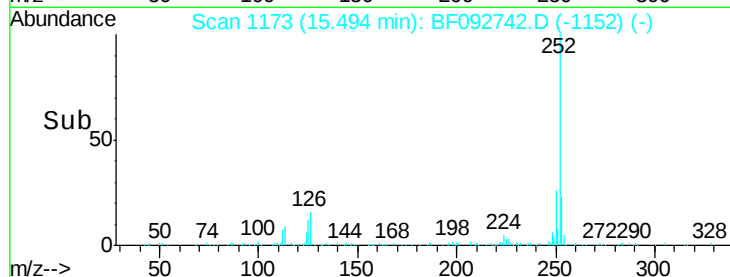
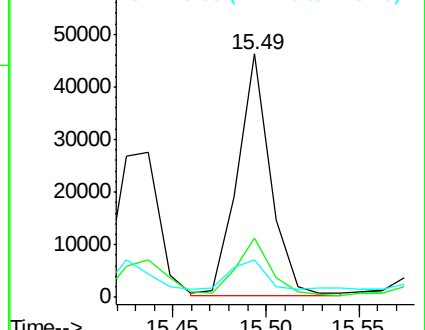
125 15.4 10.0 15.0#



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: 3.06 ng

RT: 17.45 min Scan# 1344

Delta R.T. -0.09 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

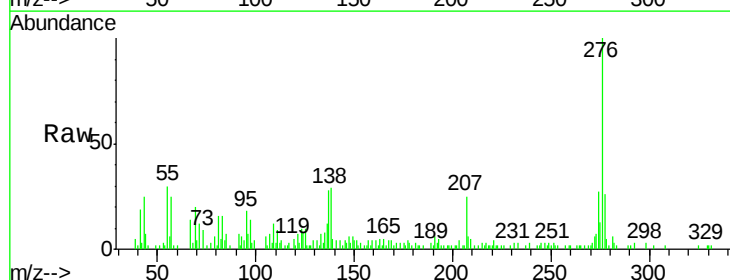
Tgt Ion:276 Resp: 45453

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 29.2 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

