

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092504.D
 Acq On : 26 Jan 2017 3:55
 Operator : SJ/MA
 Sample : I1346-02
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P12-11817

Quant Time: Jan 26 12:28:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

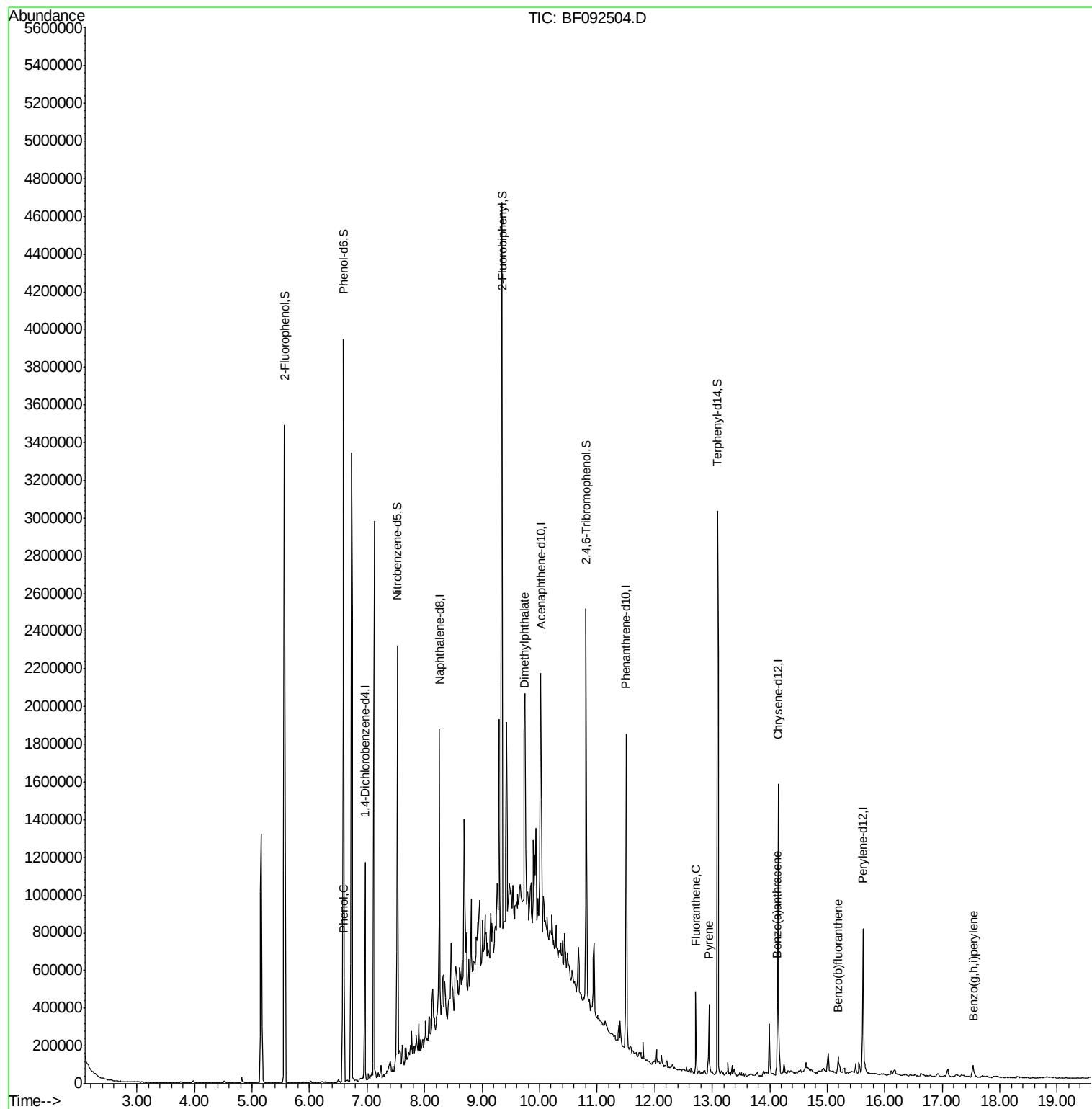
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	171285	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	670249	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	336707	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	589639	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	494598	20.00	ng	-0.02
86) Perylene-d12	15.62	264	378275	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1204928	109.45	ng	0.01
7) Phenol-d6	6.59	99	1519669	108.37	ng	0.00
23) Nitrobenzene-d5	7.53	82	951185	77.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	314802	137.20	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1366897	75.07	ng	-0.01
78) Terphenyl-d14	13.09	244	1278066	68.81	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	117447	6.94	ng	# 67
49) Dimethylphthalate	9.73	163	118256	5.52	ng	# 90
74) Fluoranthene	12.72	202	163541	5.15	ng	99
77) Pyrene	12.95	202	144653	4.04	ng	98
80) Benzo(a)anthracene	14.13	228	61780	2.32	ng	99
87) Benzo(b)fluoranthene	15.19	252	50190m	2.07	ng	
91) Benzo(g,h,i)perylene	17.54	276	53826	3.20	ng	# 90

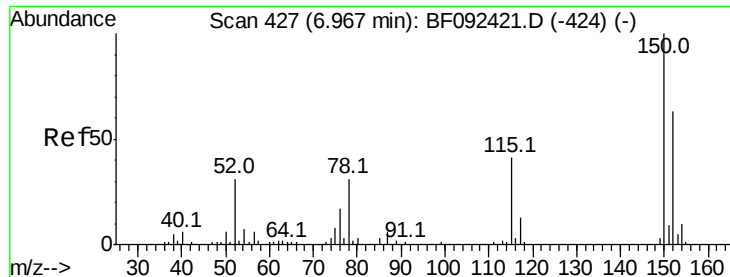
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

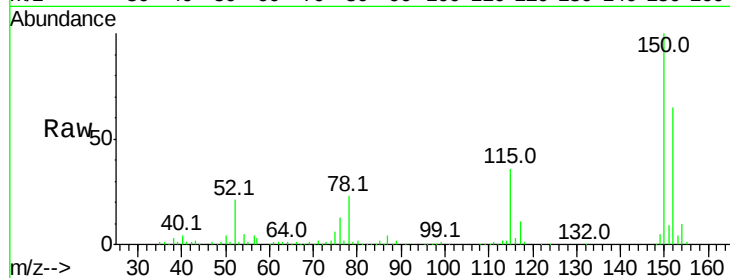
Tot Ion:152 Resp: 171285

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

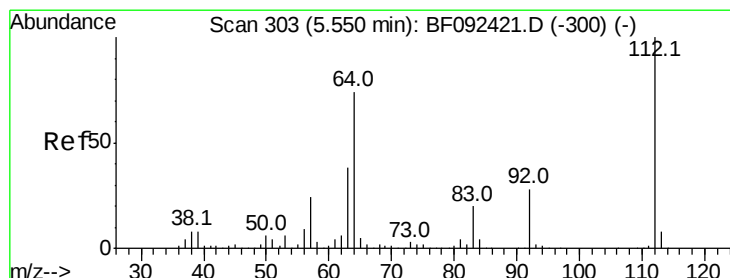
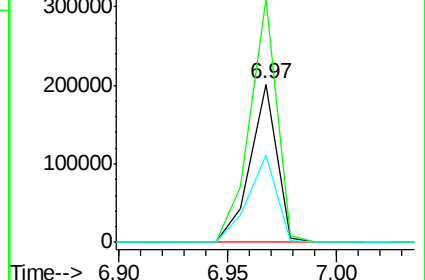
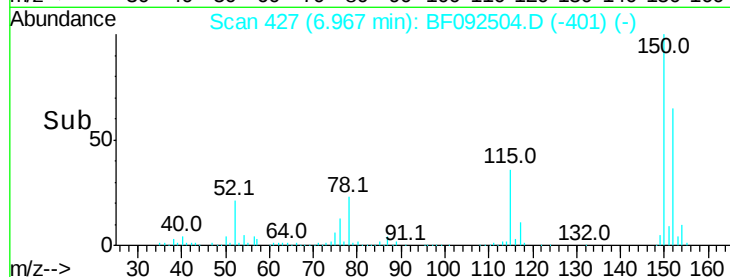
115 55.3 46.0 69.0



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: 109.45 ng

RT: 5.56 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

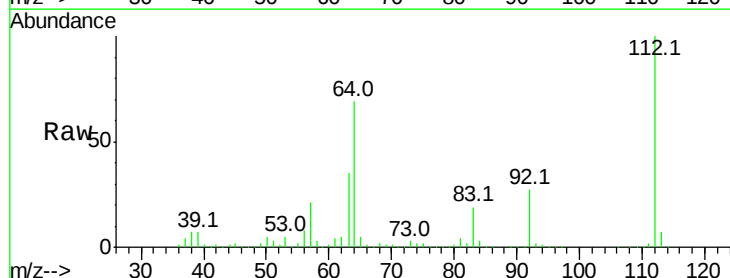
Tgt Ion:112 Resp: 1204928

Ion Ratio Lower Upper

112 100

64 68.8 46.1 69.1

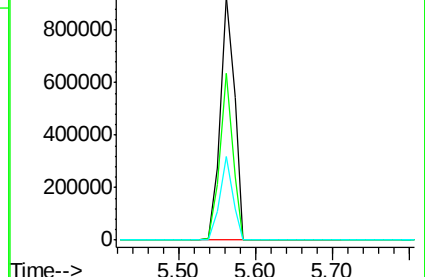
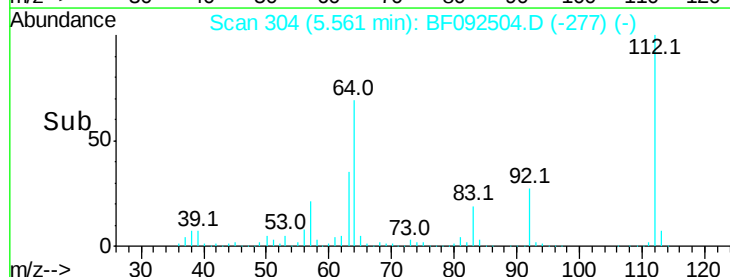
63 34.5 23.8 35.6

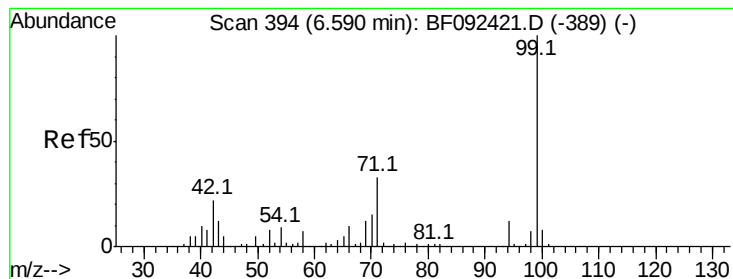


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.37 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

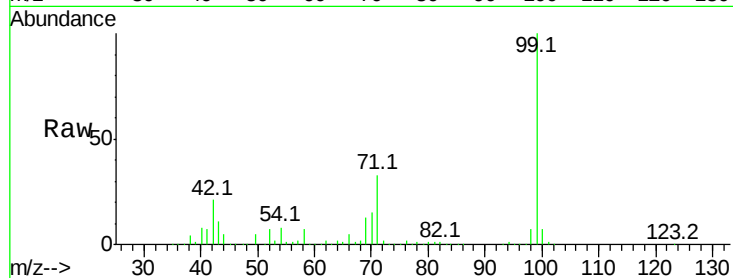
Tot Ion: 99 Resp: 1519669

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

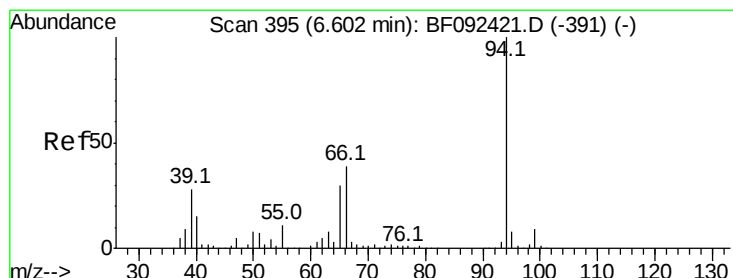
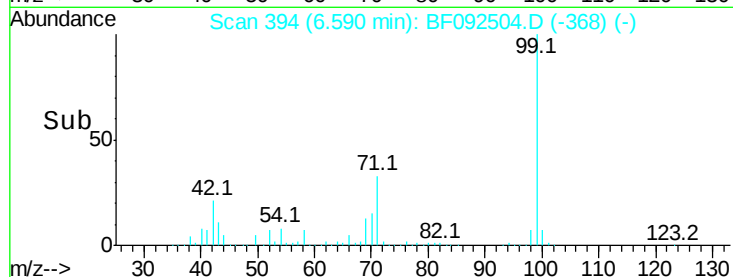
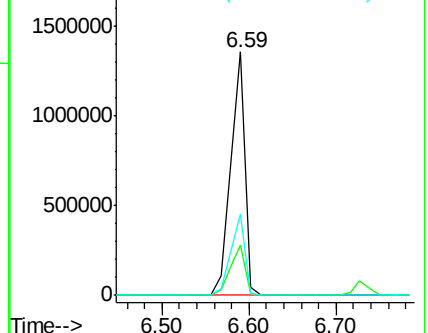
71 33.3 27.5 41.3



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: 6.94 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

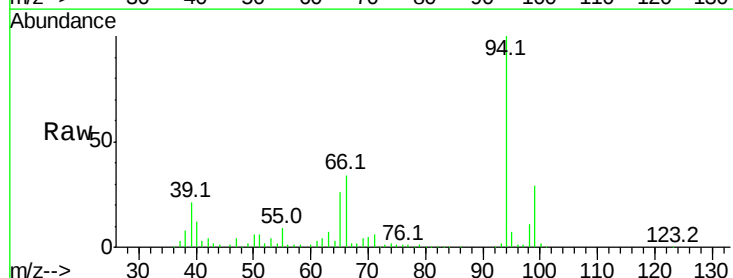
Tgt Ion: 94 Resp: 117447

Ion Ratio Lower Upper

94 100

65 26.2 21.4 61.4

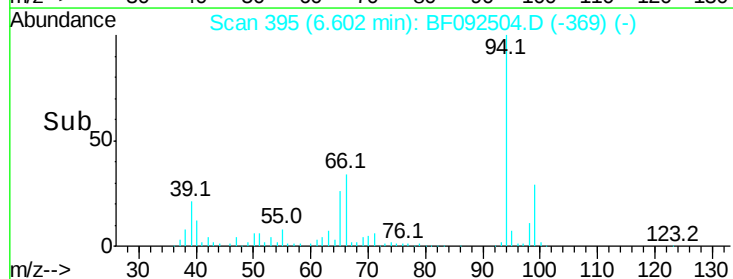
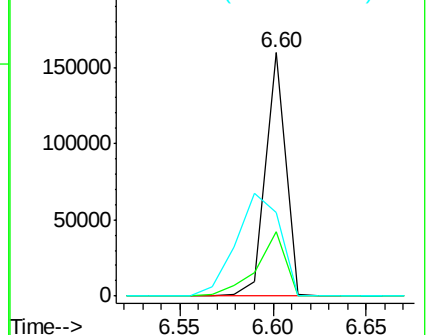
66 34.3 44.0 84.0#

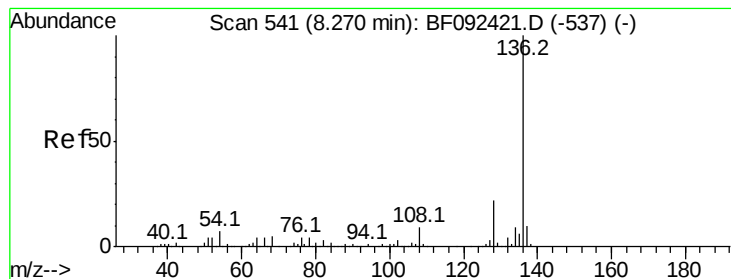


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampled :

P12-11817

Tot Ion:136 Resp: 670249

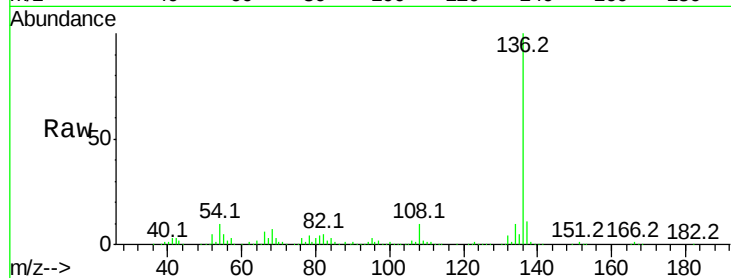
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.3 4.5 6.7#

68 7.3 3.6 5.4#

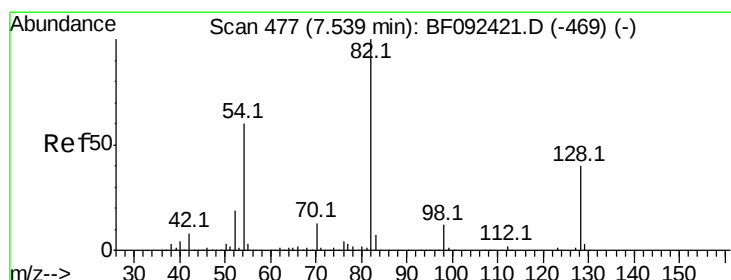
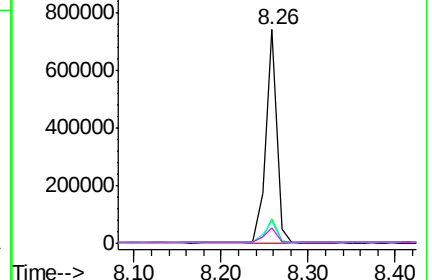
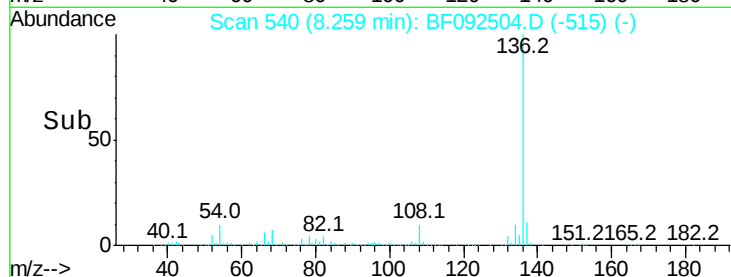


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 77.52 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

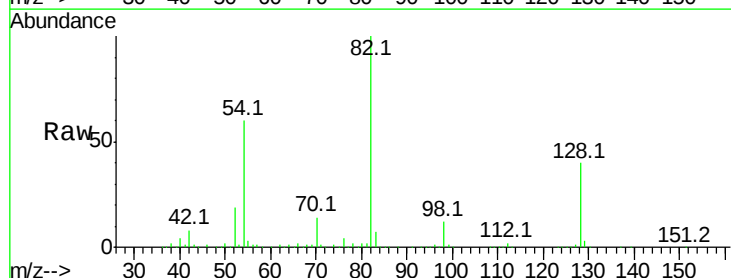
Tgt Ion: 82 Resp: 951185

Ion Ratio Lower Upper

82 100

128 40.1 34.6 52.0

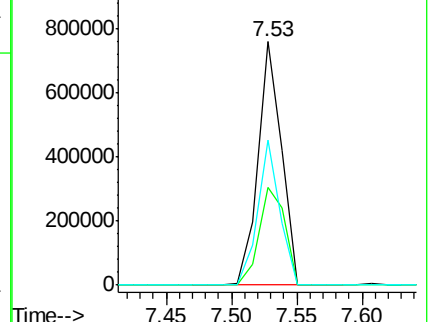
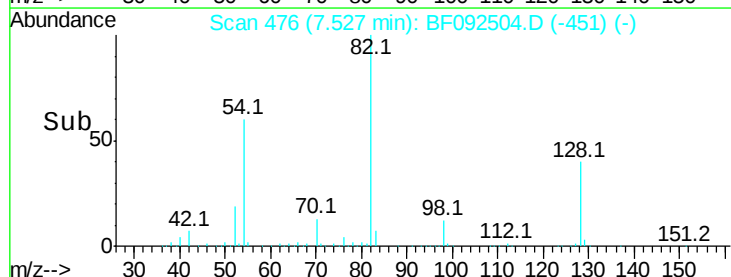
54 59.7 39.5 59.3#

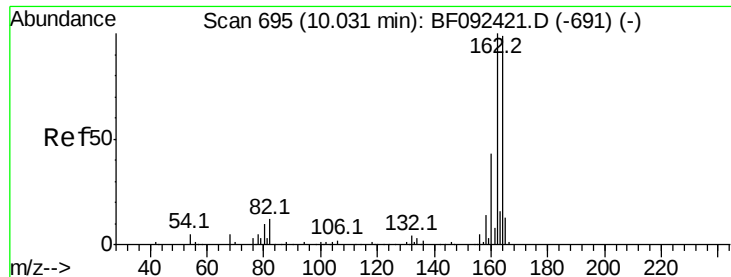


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

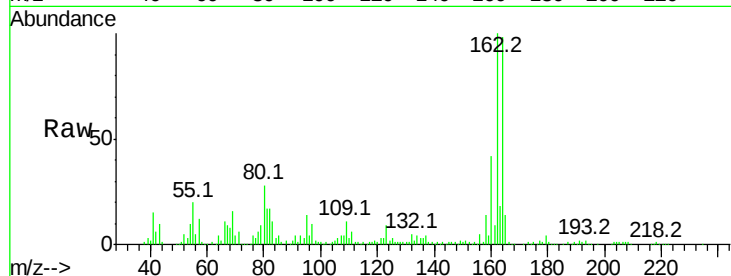
Tot Ion:164 Resp: 336707

Ion Ratio Lower Upper

164 100

162 102.0 80.2 120.2

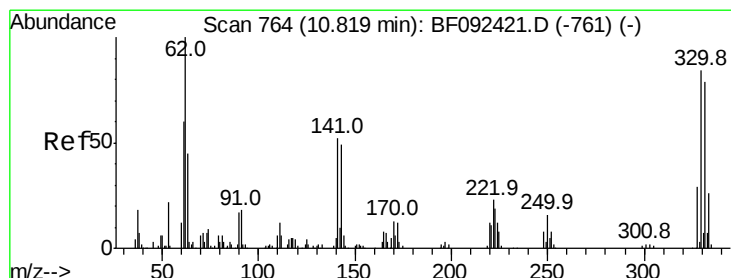
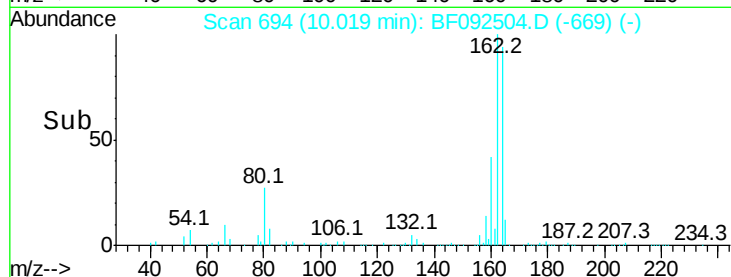
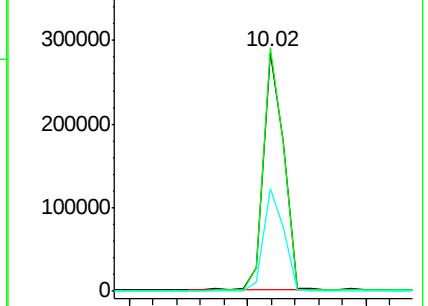
160 43.0 36.9 55.3



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: 137.20 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

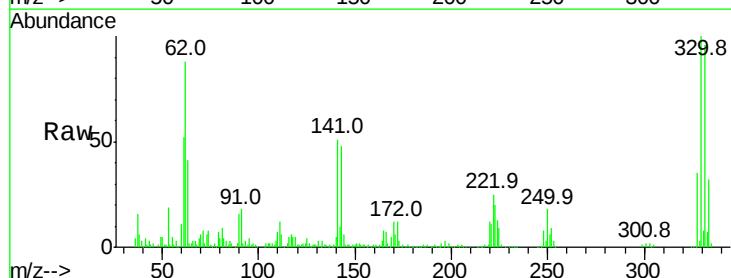
Tgt Ion:330 Resp: 314802

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

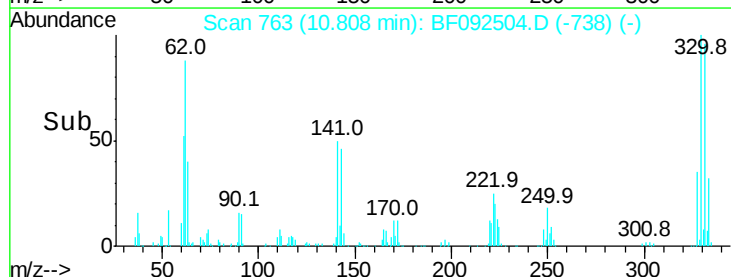
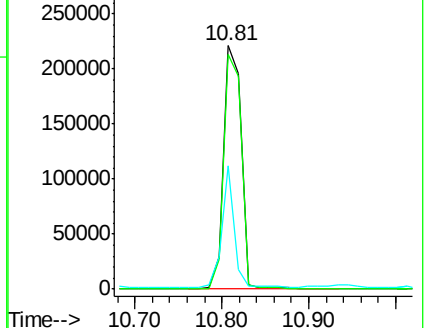
141 35.4 34.1 51.1

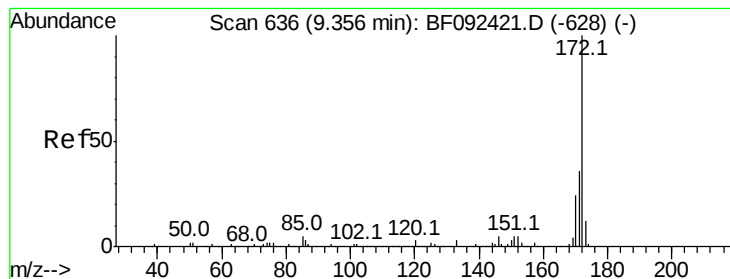


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.07 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

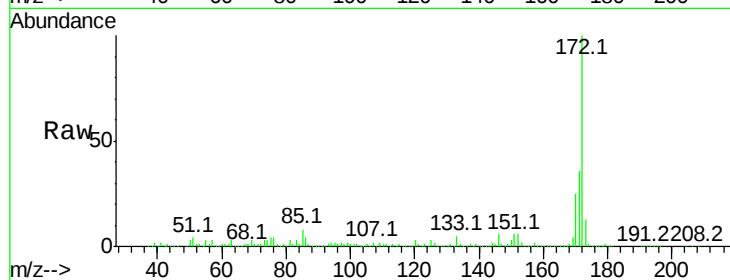
BNA_F

ClientSampleId :

P12-11817

Tot Ion:172 Resp: 1366897

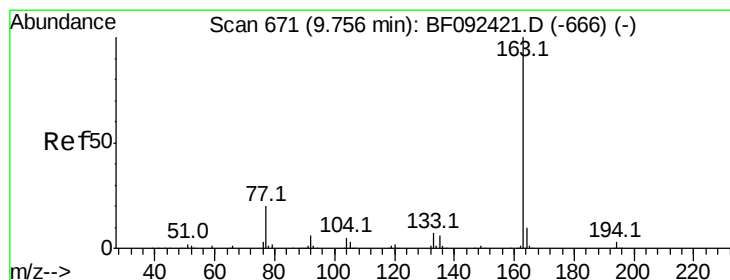
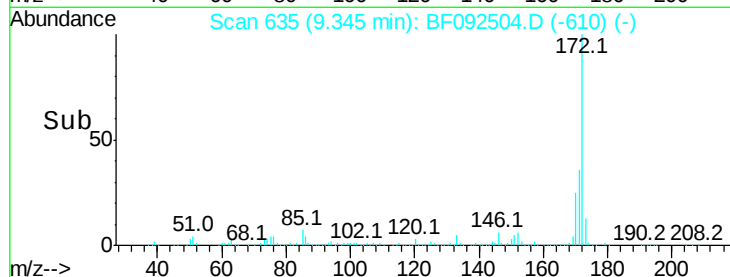
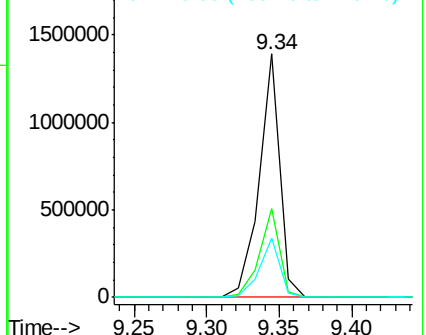
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.6	20.2	30.4



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: 5.52 ng

RT: 9.73 min Scan# 669

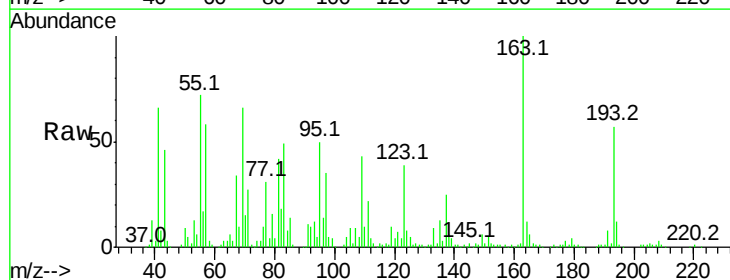
Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Tgt Ion:163 Resp: 118256

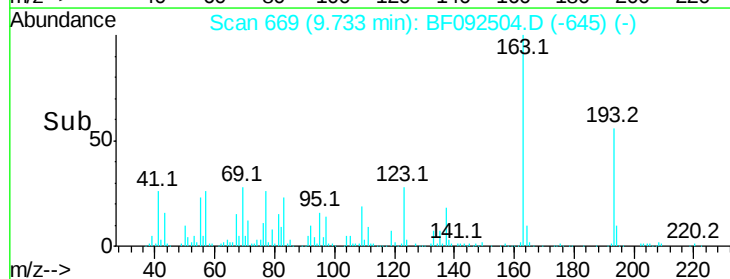
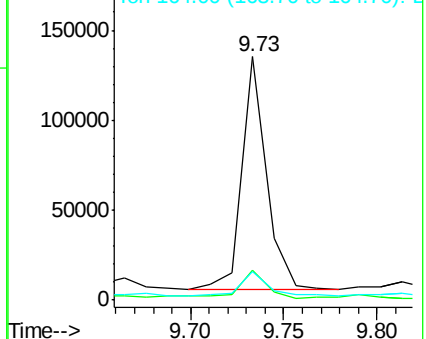
Ion	Ratio	Lower	Upper
163	100		
194	12.5	3.0	4.4#
164	11.6	8.0	12.0

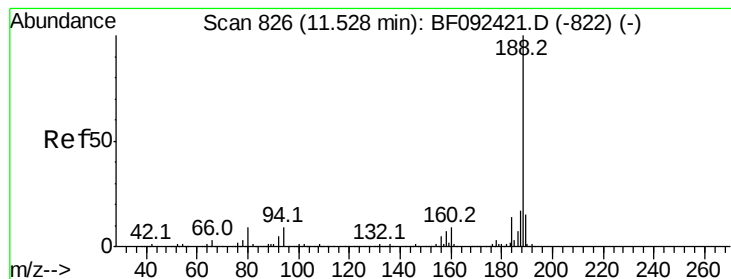


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

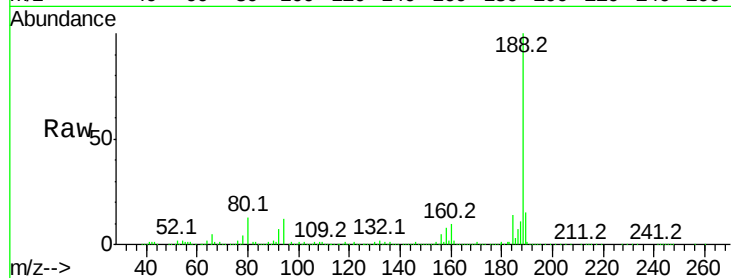
Tot Ion:188 Resp: 589639

Ion Ratio Lower Upper

188 100

94 12.3 10.0 15.0

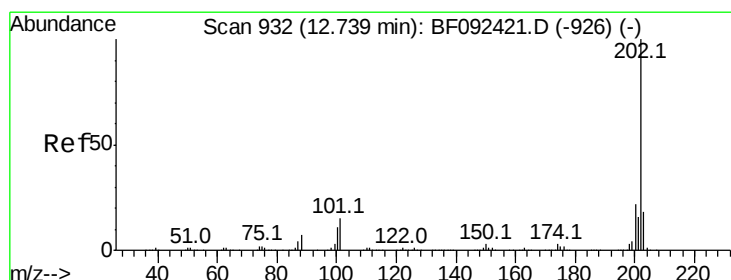
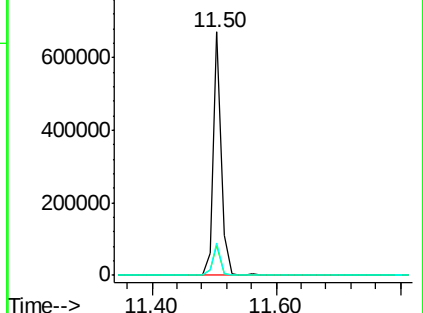
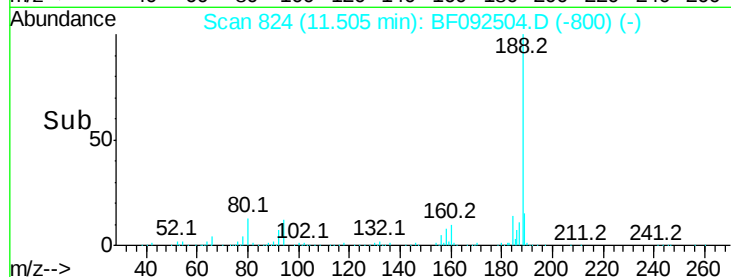
80 13.1 11.2 16.8



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



#74

Fluoranthene

Concen: 5.15 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

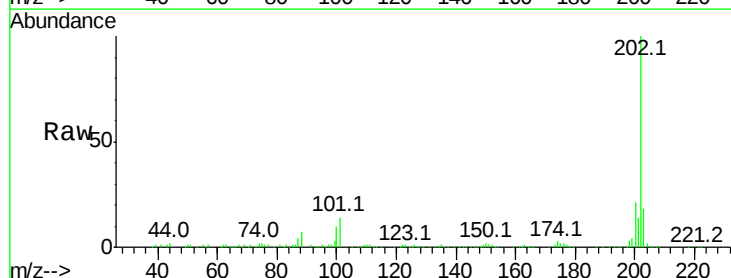
Tgt Ion:202 Resp: 163541

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.6

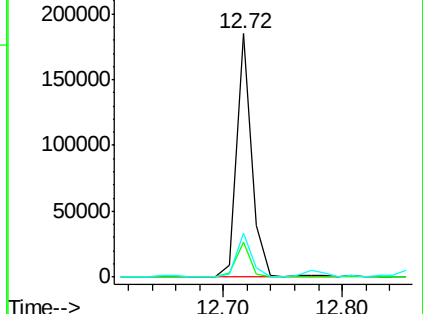
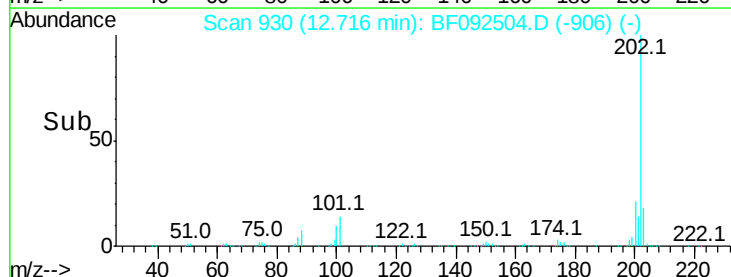
203 17.9 0.0 38.7

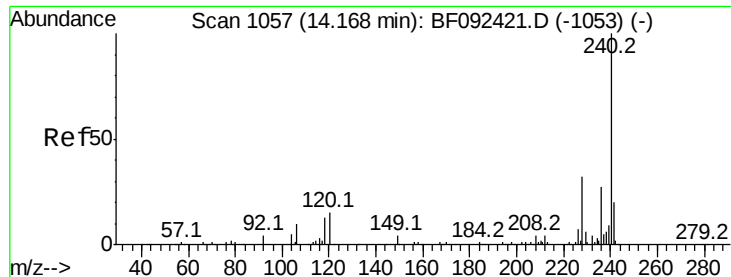


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

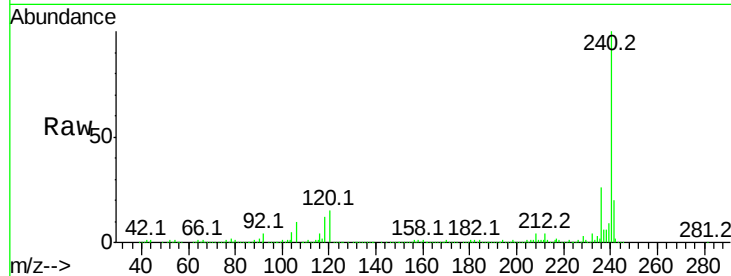
Tot Ion:240 Resp: 494598

Ion Ratio Lower Upper

240 100

120 14.7 12.9 19.3

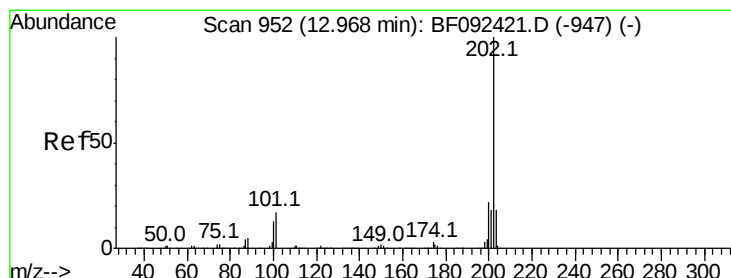
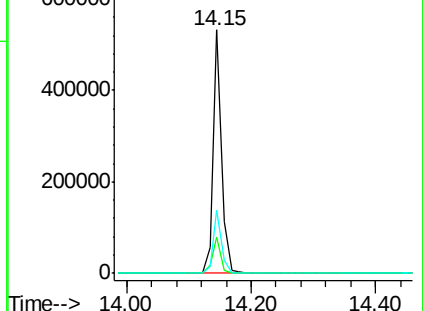
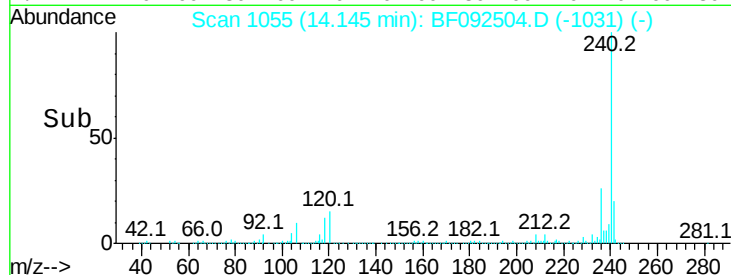
236 25.8 20.9 31.3



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: 4.04 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

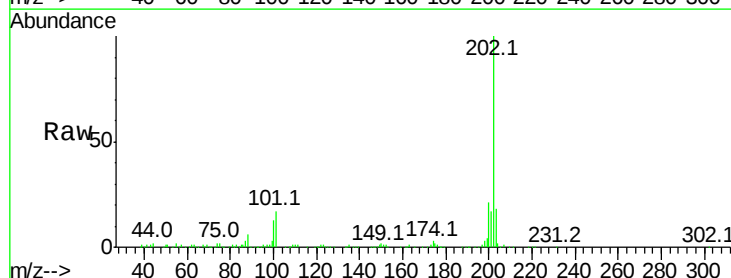
Tgt Ion:202 Resp: 144653

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

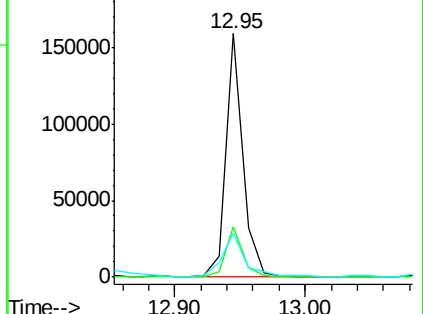
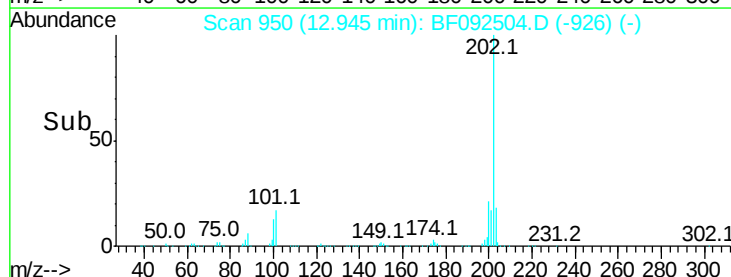
203 18.2 14.7 22.1

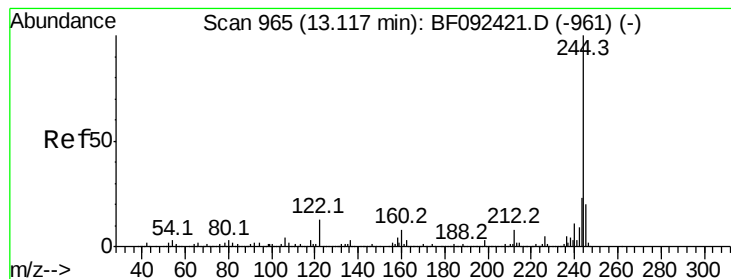


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.81 ng

RT: 13.09 min Scan# 963

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

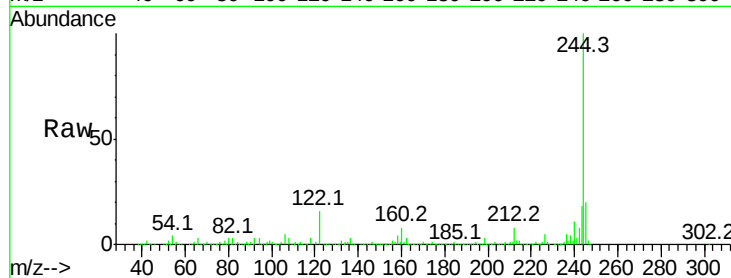
Tot Ion:244 Resp: 1278066

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

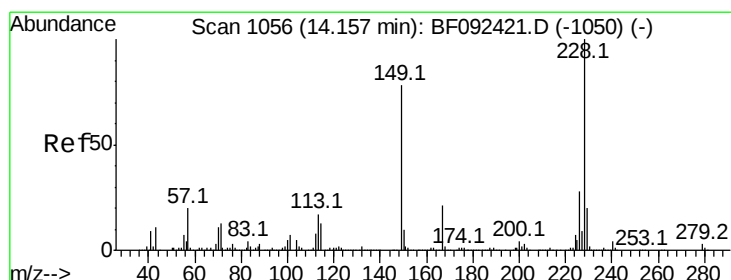
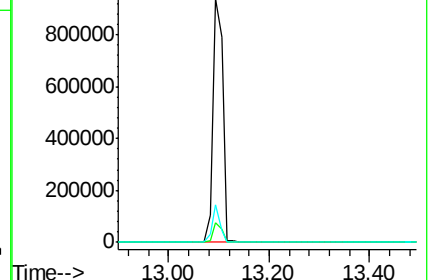
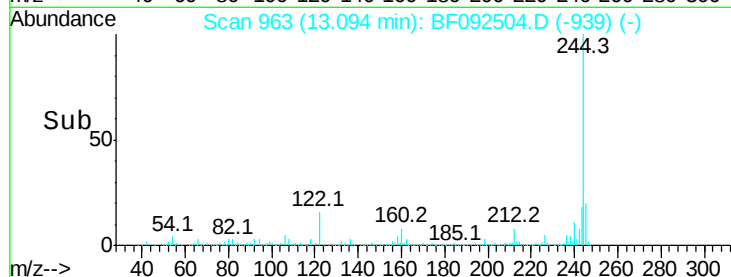
122 15.6 11.4 17.2



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: 2.32 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

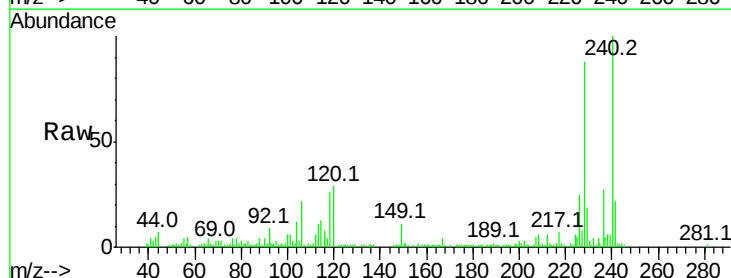
Tgt Ion:228 Resp: 61780

Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

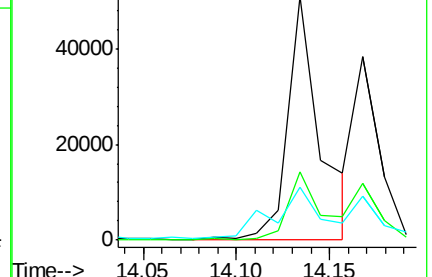
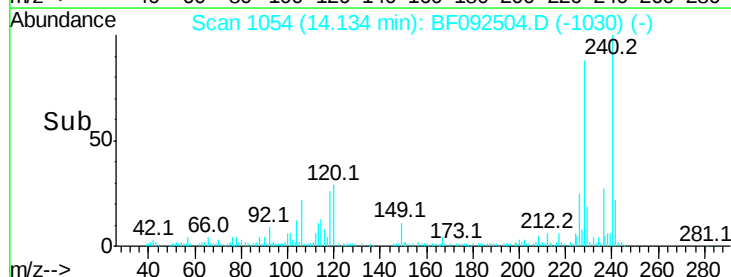
229 21.8 16.2 24.4

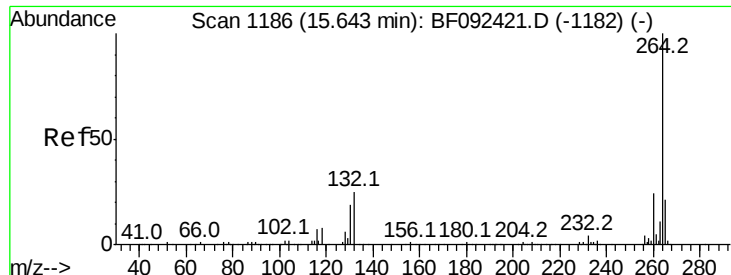


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

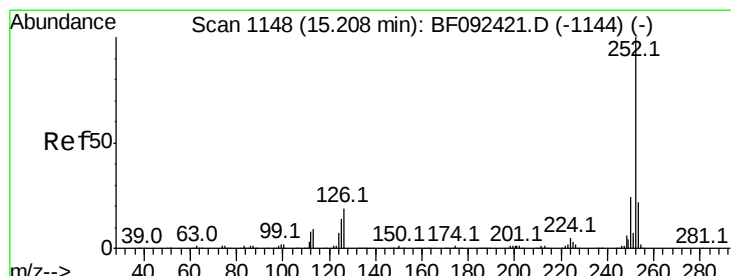
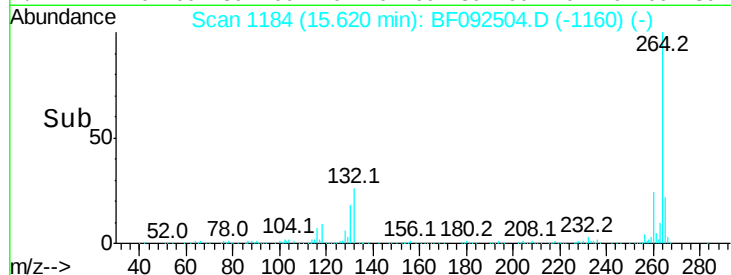
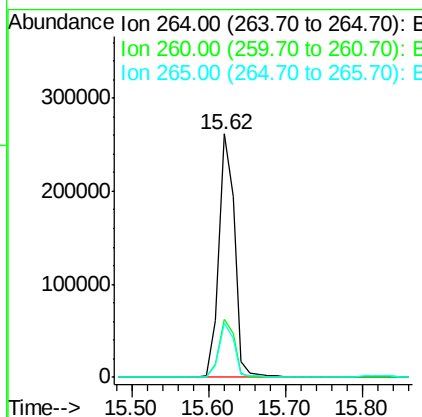
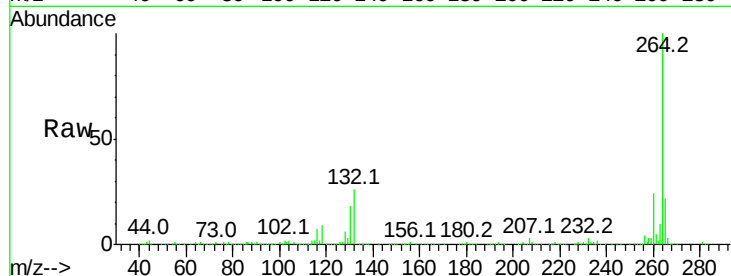




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF092504.D
Acq: 26 Jan 2017 3:55

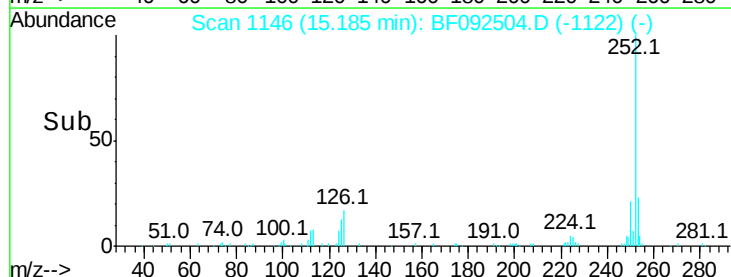
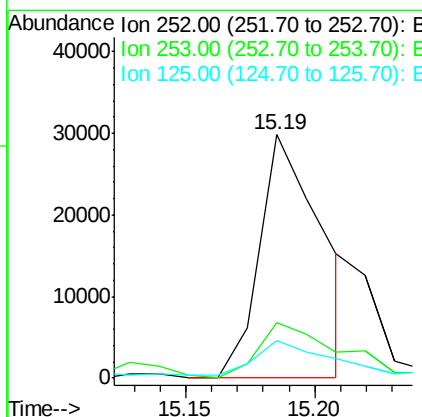
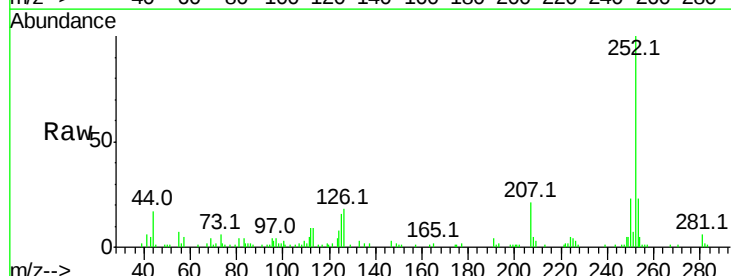
Instrument :
BNA_F
ClientSampleId :
P12-11817

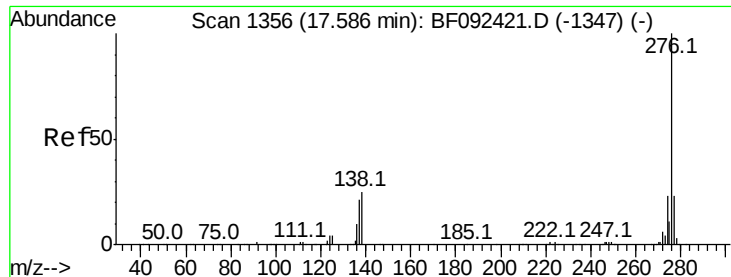
Tot Ion:264 Resp: 378275
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.07 ng m
RT: 15.19 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF092504.D
Acq: 26 Jan 2017 3:55

Tgt Ion:252 Resp: 50190
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 15.5 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.20 ng

RT: 17.54 min Scan# 1352

Delta R.T. -0.05 min

Lab File: BF092504.D

Acq: 26 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

P12-11817

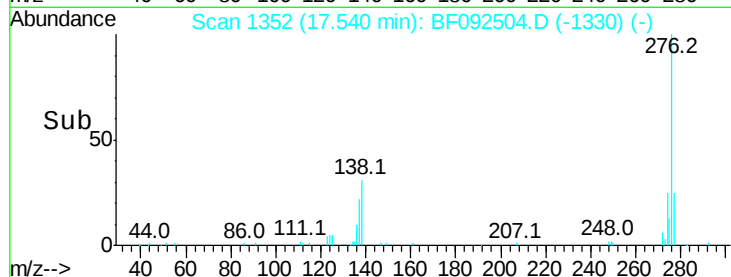
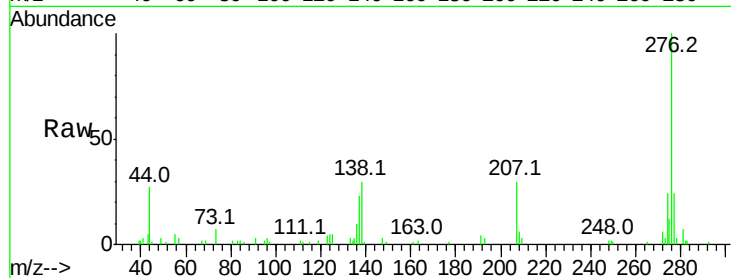
Tot Ion:276 Resp: 53826

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 29.8 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

