

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076829.D
 Acq On : 13 Jan 2015 4:44
 Operator : IZ / TP
 Sample : G1030-10
 Misc : S
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-SS-1(2-4)

Quant Time: Jan 13 10:33:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

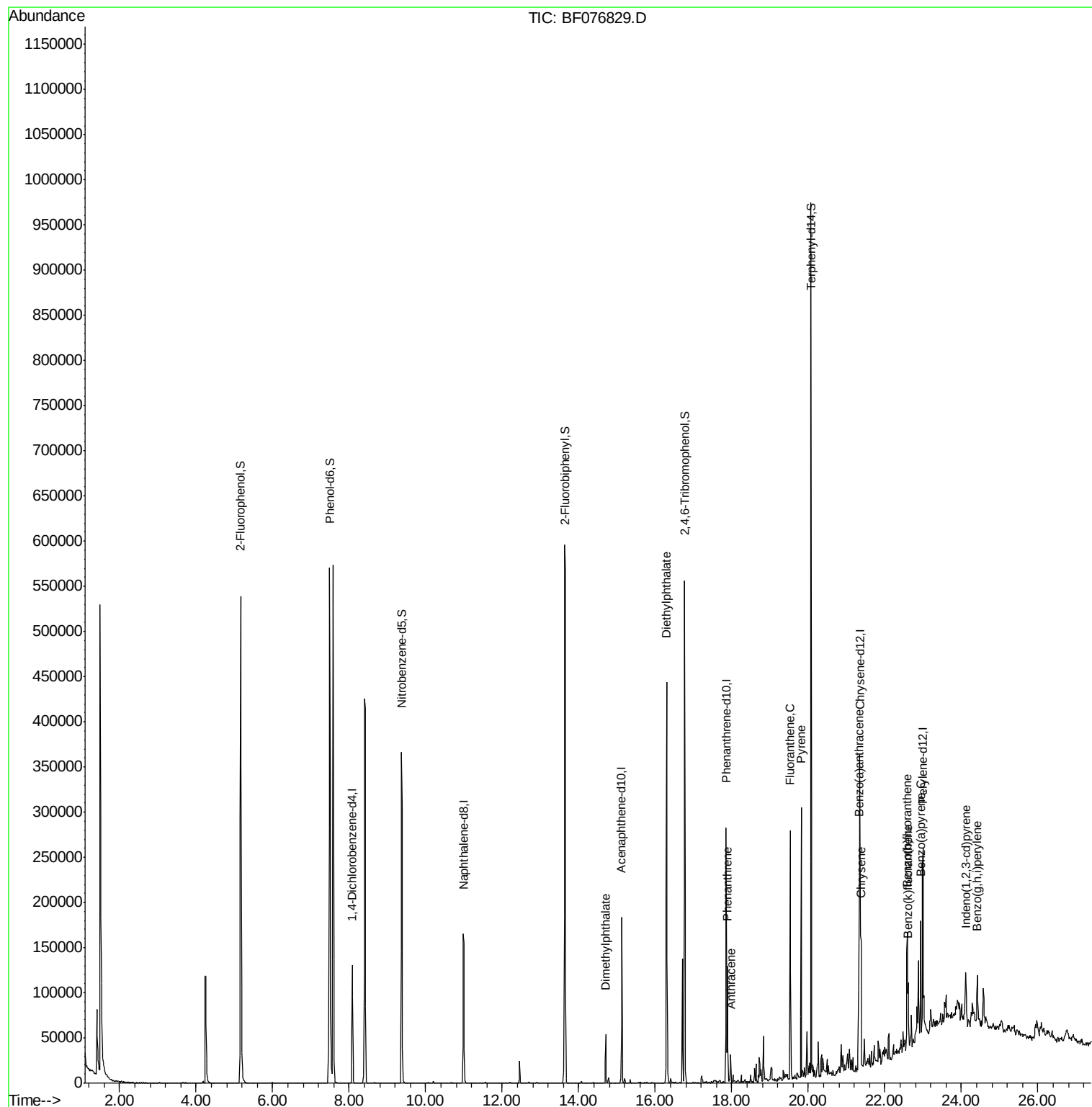
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33542	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	143053	20.00	ng	-0.01
38) Acenaphthene-d10	15.12	164	72277	20.00	ng	-0.01
63) Phenanthrene-d10	17.85	188	120316	20.00	ng	0.00
75) Chrysene-d12	21.34	240	113266	20.00	ng	-0.01
86) Perylene-d12	23.00	264	108381	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	260834	129.76	ng	-0.01
7) Phenol-d6	7.49	99	334915	132.35	ng	-0.01
23) Nitrobenzene-d5	9.37	82	206477	80.21	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	71957	119.28	ng	-0.01
44) 2-Fluorobiphenyl	13.65	172	354261	72.14	ng	0.00
78) Terphenyl-d14	20.07	244	334133	64.77	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.70	163	38901	7.41	ng	99
59) Diethylphthalate	16.30	149	235492	43.52	ng	99
70) Phenanthrene	17.89	178	55673	7.43	ng	98
71) Anthracene	17.97	178	16472	2.26	ng	95
74) Fluoranthene	19.52	202	136074	17.72	ng	96
77) Pyrene	19.81	202	123088	15.10	ng	97
80) Benzo(a)anthracene	21.33	228	74851	10.37	ng	99
82) Chrysene	21.37	228	57291m	8.78	ng	
85) Indeno(1,2,3-cd)pyrene	24.12	276	37608m	5.82	ng	
87) Benzo(b)fluoranthene	22.59	252	78053m	10.40	ng	
88) Benzo(k)fluoranthene	22.61	252	26213m	3.99	ng	
89) Benzo(a)pyrene	22.93	252	57320	8.89	ng	97
91) Benzo(a,h,i)perylene	24.41	276	34738	5.79	ng	94

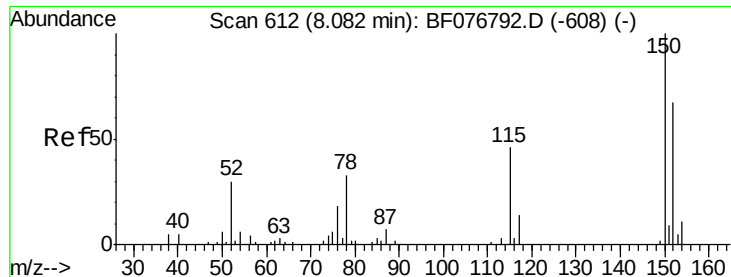
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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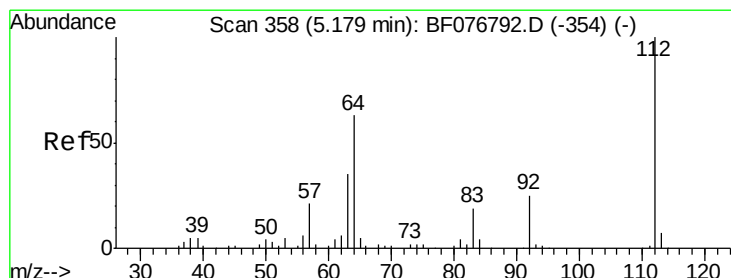
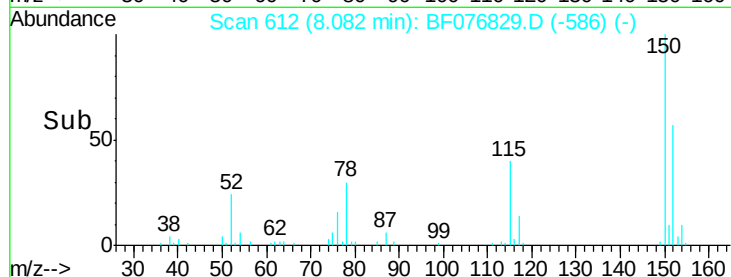
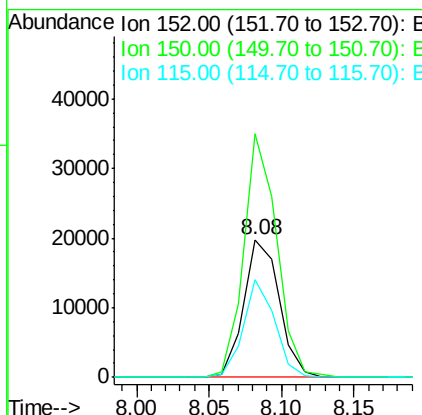
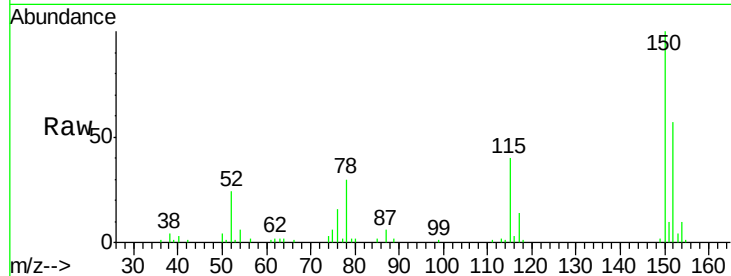


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF076829.D
Acq: 13 Jan 2015 4:44

Instrument :
BNA_F
ClientSampleId :
TP4-SS-1(2-4)

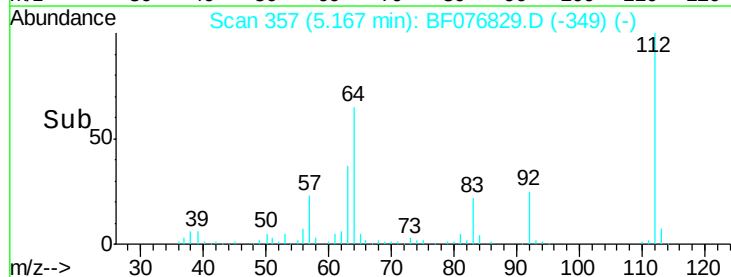
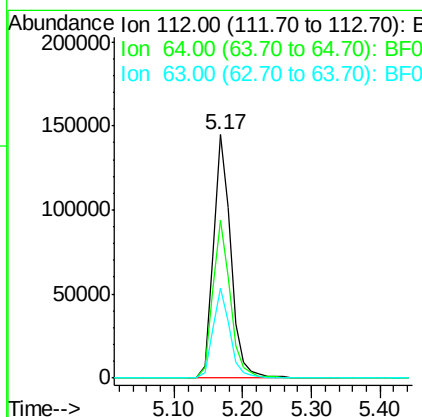
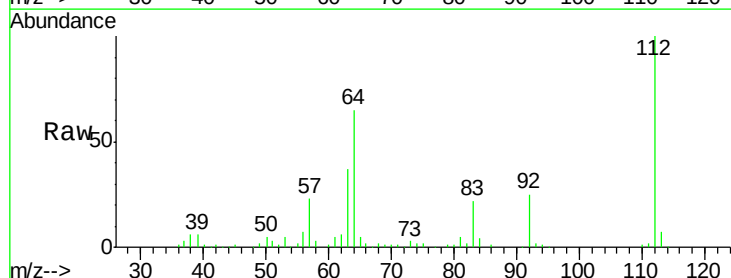
Tot Ion:152 Resp: 33542
Ion Ratio Lower Upper
152 100
150 176.7 119.5 179.3
115 70.7 54.6 81.8

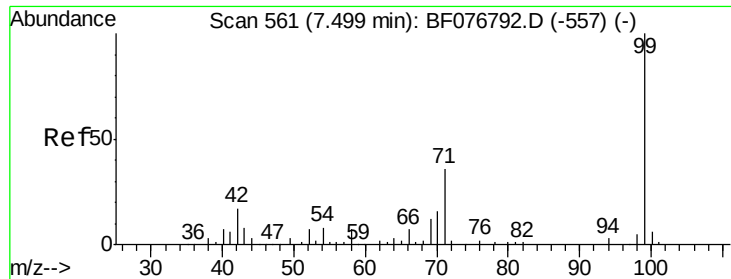


#5

2-Fluorophenol
Concen: 129.76 ng
RT: 5.17 min Scan# 357
Delta R.T. -0.01 min
Lab File: BF076829.D
Acq: 13 Jan 2015 4:44

Tgt Ion:112 Resp: 260834
Ion Ratio Lower Upper
112 100
64 64.7 50.2 75.4
63 36.9 27.8 41.6





#7

Phenol-d6

Concen: 132.35 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

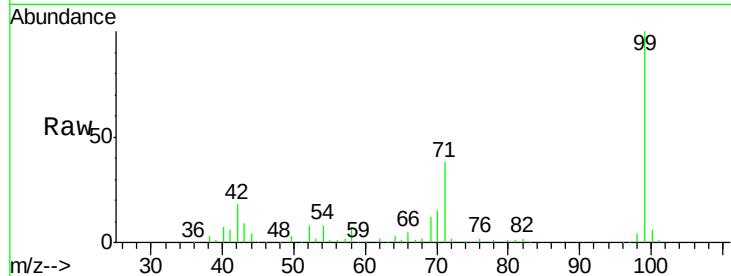
Tot Ion: 99 Resp: 334915

Ion Ratio Lower Upper

99 100

42 18.0 13.3 19.9

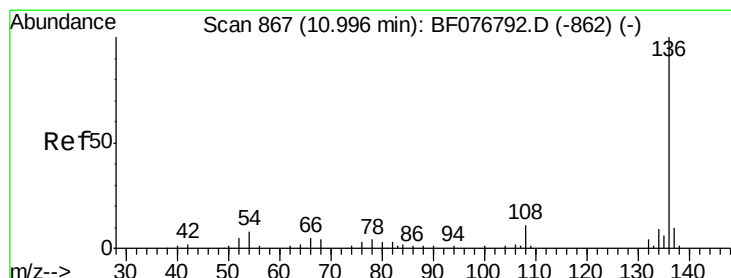
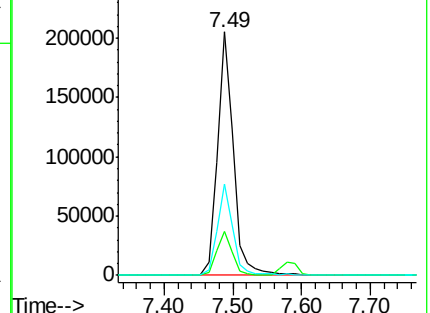
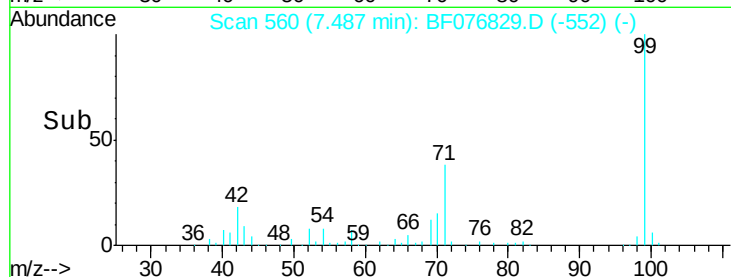
71 37.7 29.2 43.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Tgt Ion: 136 Resp: 143053

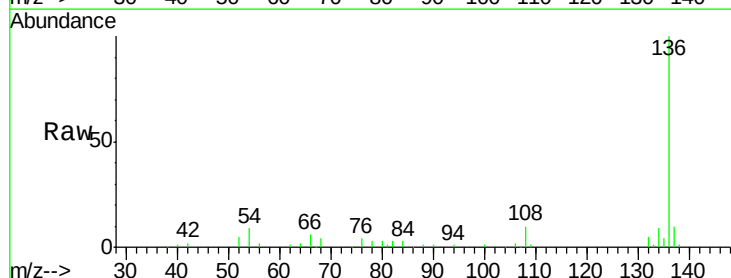
Ion Ratio Lower Upper

136 100

137 10.3 8.1 12.1

54 9.3 6.3 9.5

68 4.5 3.4 5.0

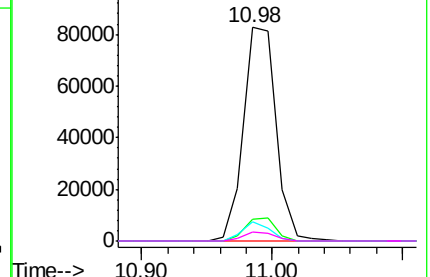
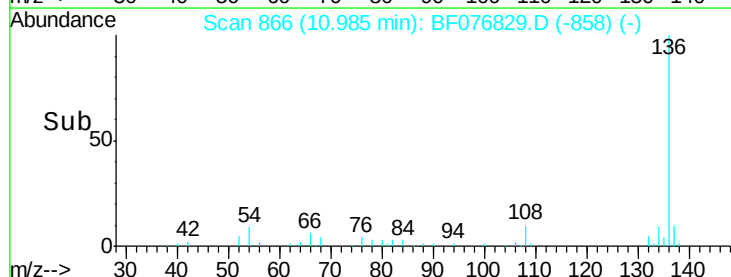


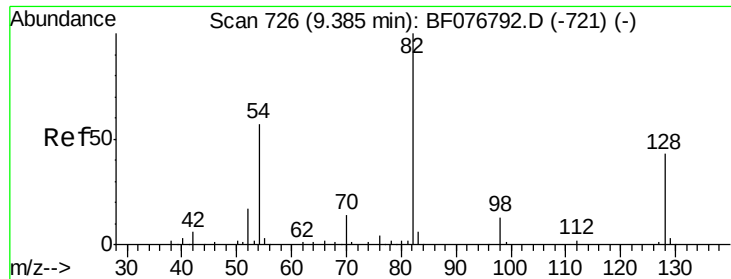
Abundance Ion 136.00 (135.70 to 136.70): E

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

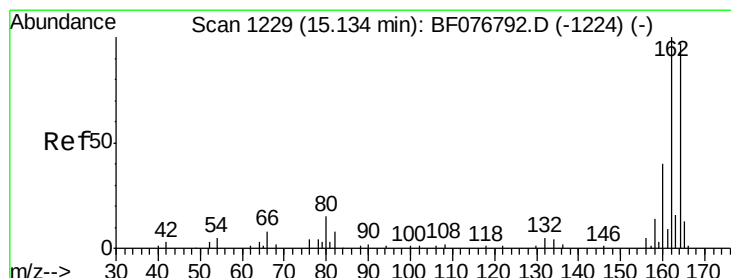
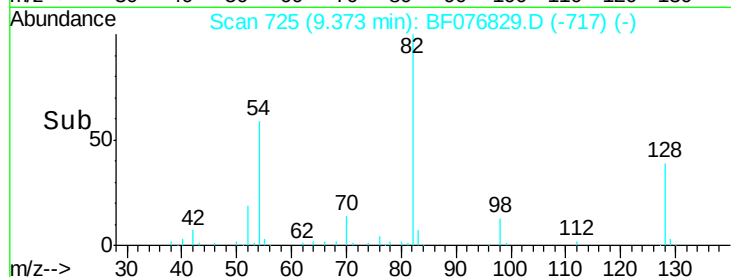
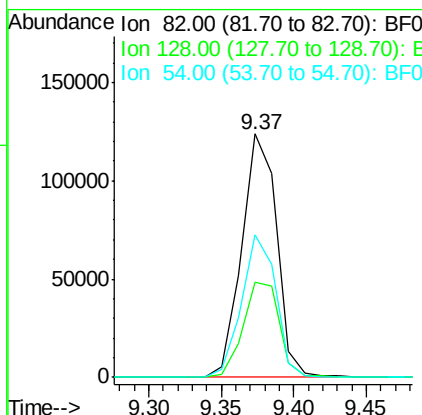
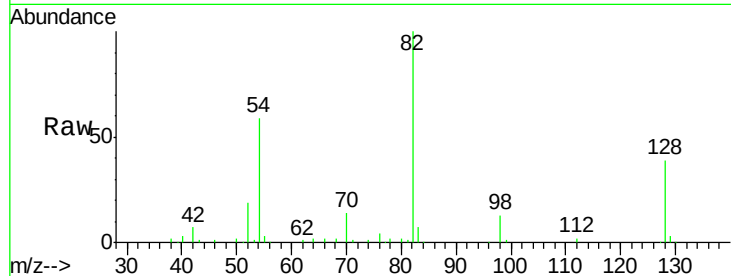




#23
 Nitrobenzene-d5
 Concen: 80.21 ng
 RT: 9.37 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF076829.D
 Acq: 13 Jan 2015 4:44

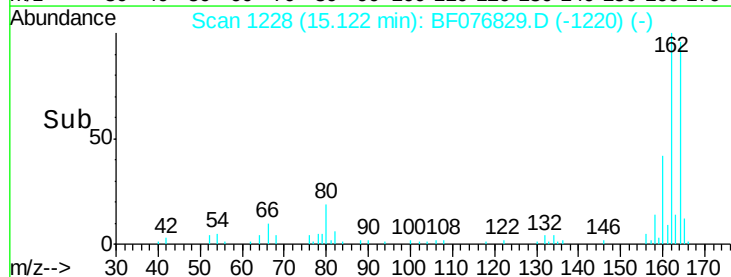
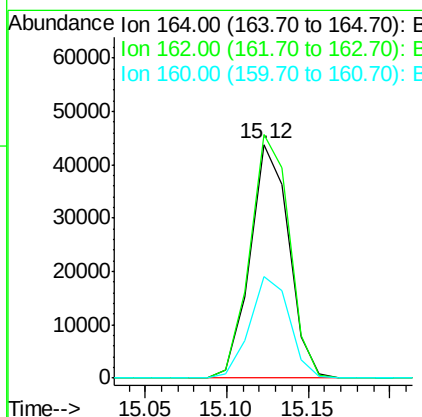
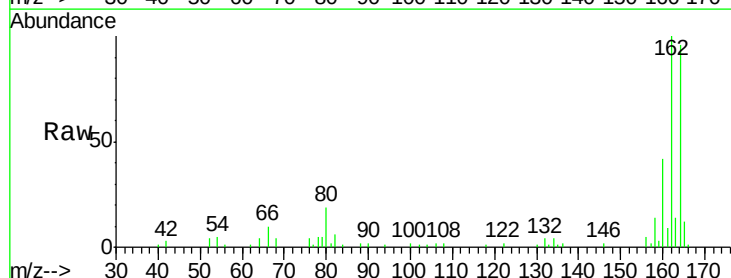
Instrument :
 BNA_F
 ClientSampleId :
 TP4-SS-1(2-4)

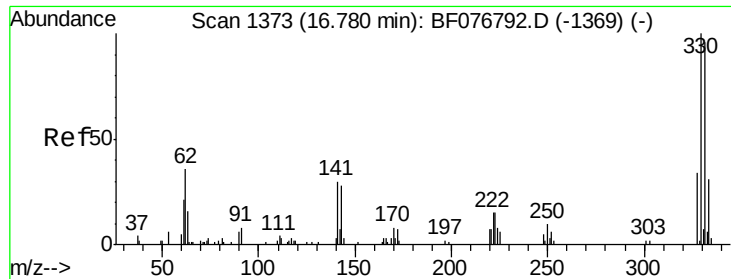
Tot Ion	82	Resp	206477
Ion Ratio	100	Lower	Upper
128	39.2	34.0	51.0
54	58.6	45.6	68.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF076829.D
 Acq: 13 Jan 2015 4:44

Tgt Ion	164	Resp	72277
Ion Ratio	100	Lower	Upper
162	104.1	82.5	123.7
160	43.6	33.1	49.7





#41

2,4,6-Tribromophenol

Concen: 119.28 ng

RT: 16.77 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

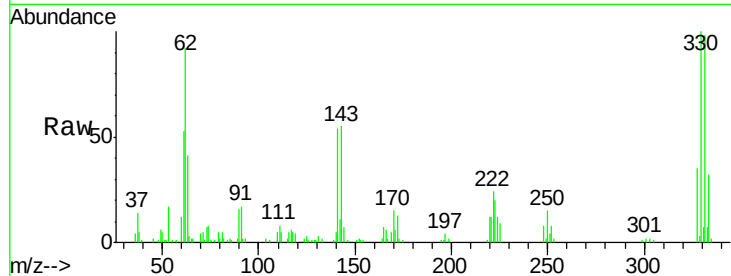
Tot Ion:330 Resp: 71957

Ion Ratio Lower Upper

330 100

332 98.2 74.8 112.2

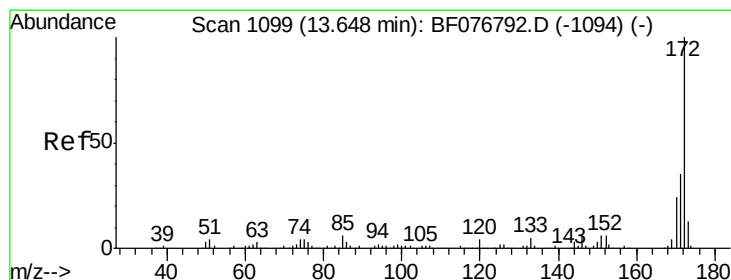
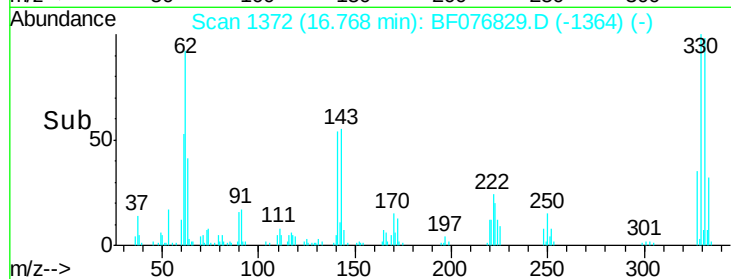
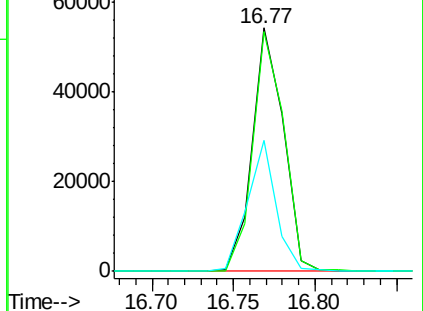
141 49.5 42.4 63.6



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: 72.14 ng

RT: 13.65 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

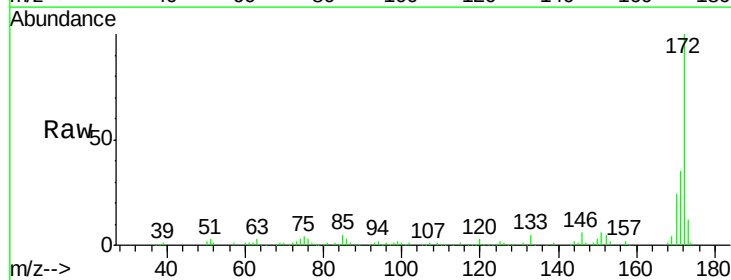
Tgt Ion:172 Resp: 354261

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.8

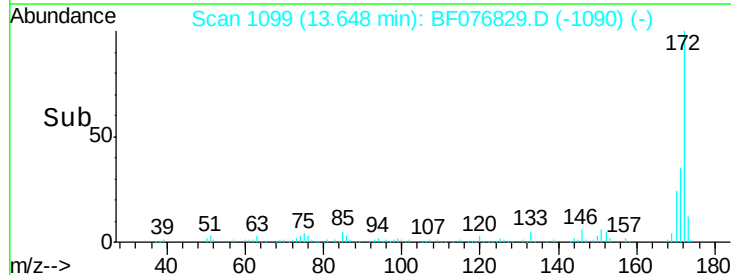
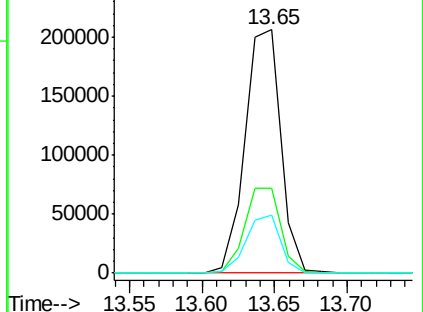
170 23.7 18.8 28.2

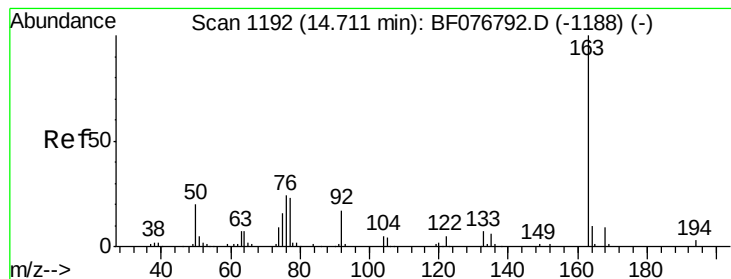


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.41 ng

RT: 14.70 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

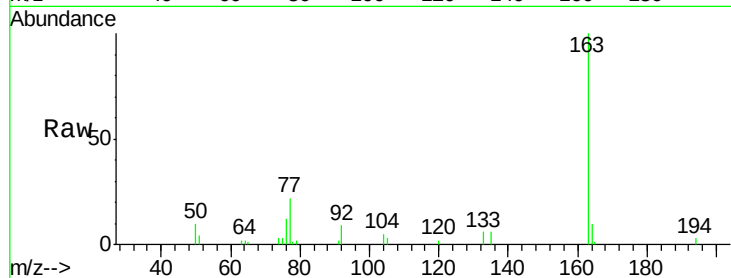
Tot Ion:163 Resp: 38901

Ion Ratio Lower Upper

163 100

194 3.1 2.3 3.5

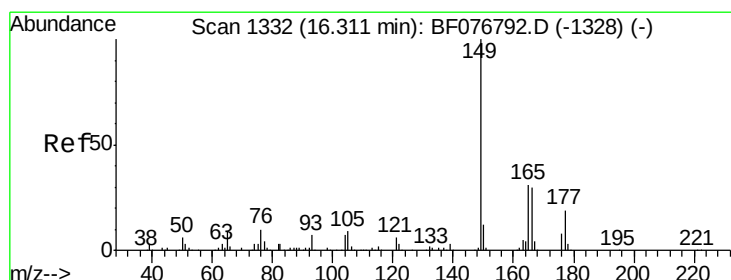
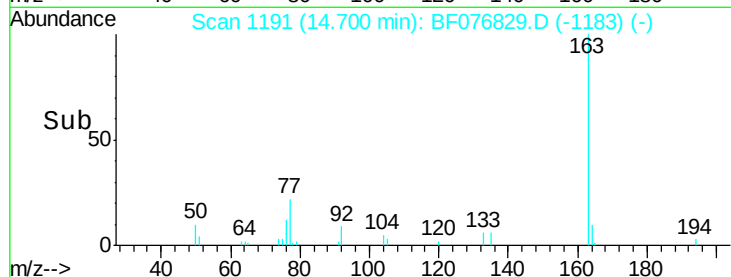
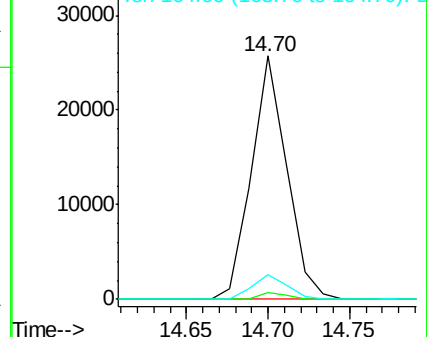
164 9.9 8.3 12.5



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



#59

Diethylphthalate

Concen: 43.52 ng

RT: 16.30 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

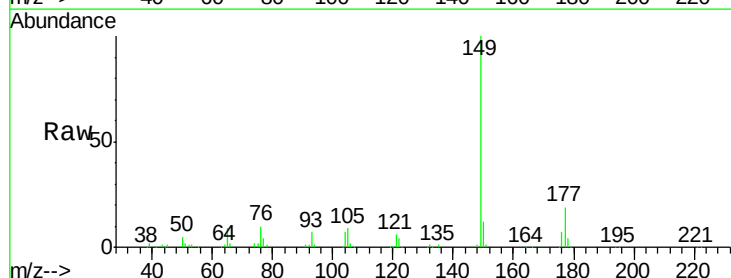
Tgt Ion:149 Resp: 235492

Ion Ratio Lower Upper

149 100

177 19.2 15.4 23.2

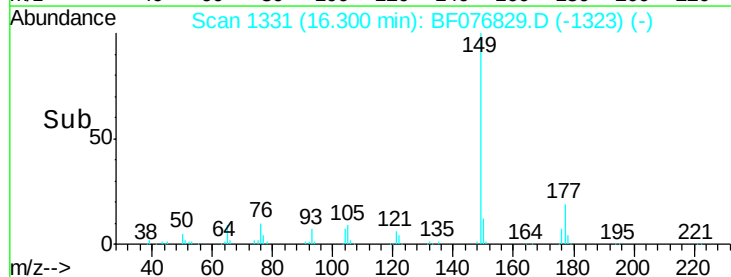
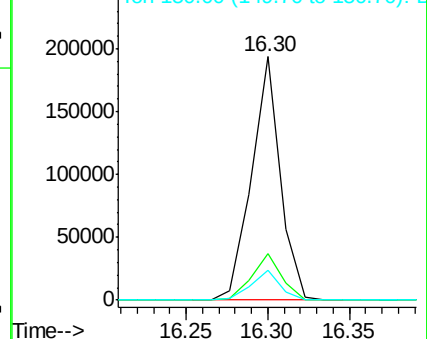
150 12.3 9.4 14.0

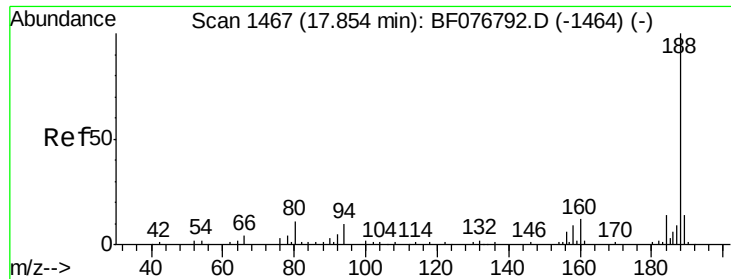


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

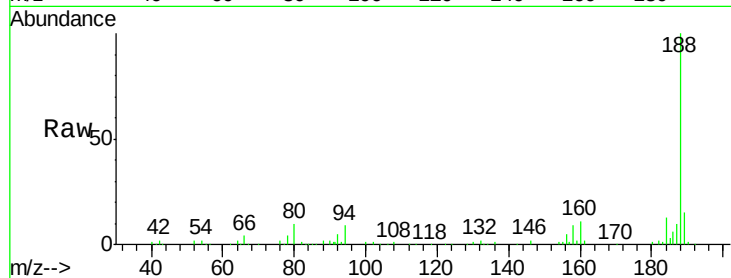




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.85 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF076829.D
 Acq: 13 Jan 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 TP4-SS-1(2-4)

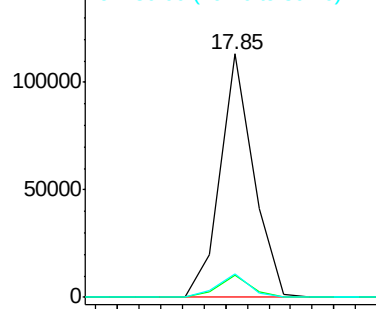
Tot Ion	188	Resp	120316
Ion Ratio	100	Lower	Upper
94	8.9	7.8	11.6
80	9.9	8.6	13.0



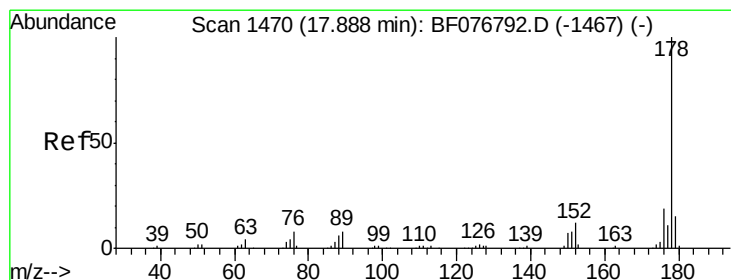
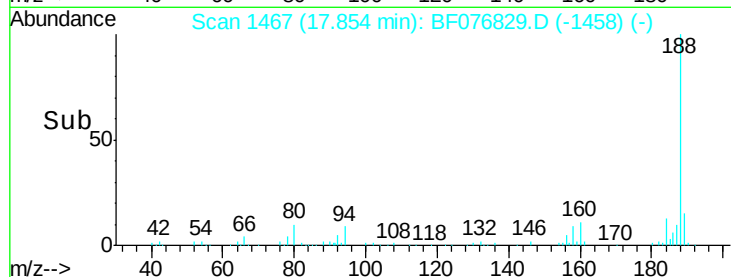
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

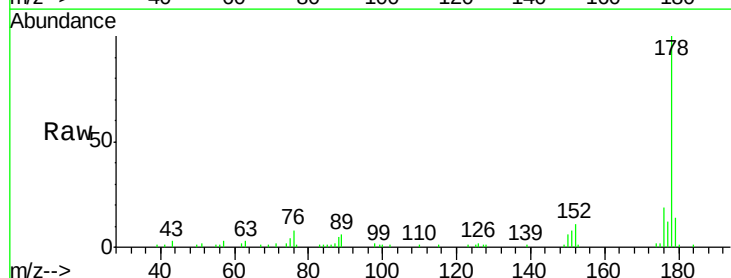


Time--> 17.80 17.85 17.90



#70
 Phenanthrene
 Concen: 7.43 ng
 RT: 17.89 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BF076829.D
 Acq: 13 Jan 2015 4:44

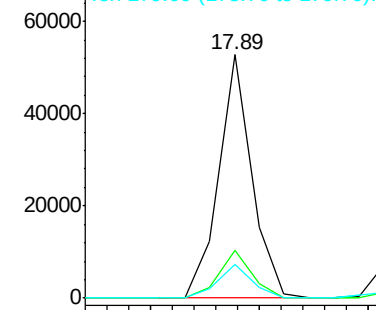
Tgt Ion	178	Resp	55673
Ion Ratio	100	Lower	Upper
176	19.5	15.2	22.8
179	13.9	11.8	17.8



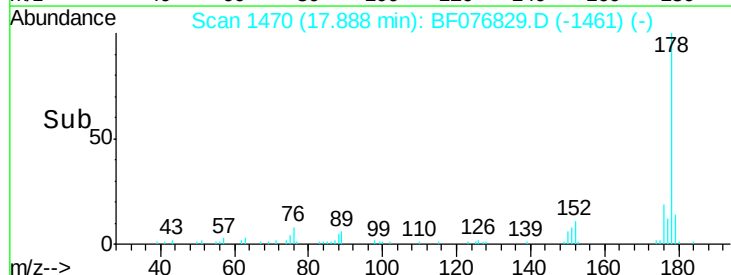
Abundance Ion 178.00 (177.70 to 178.70): E

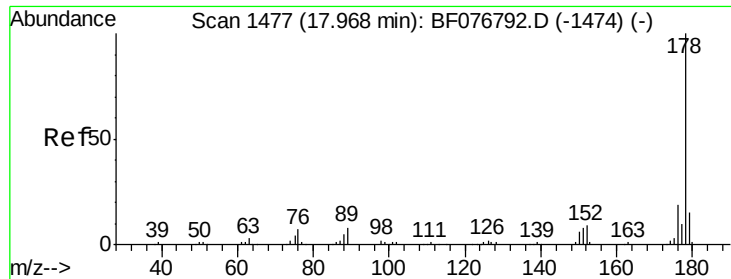
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.85 17.90





#71

Anthracene

Concen: 2.26 ng

RT: 17.97 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

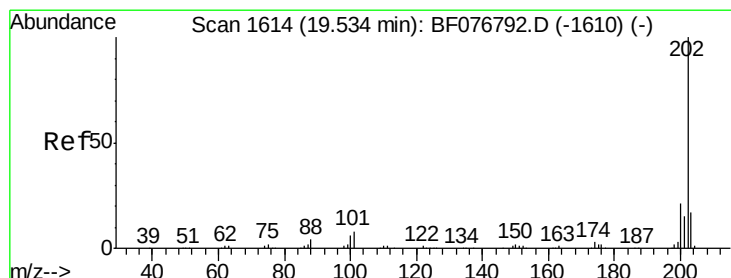
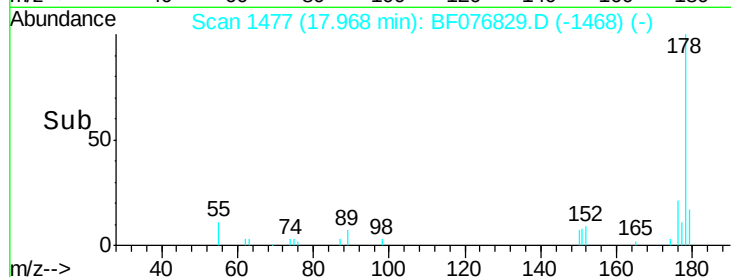
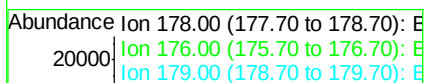
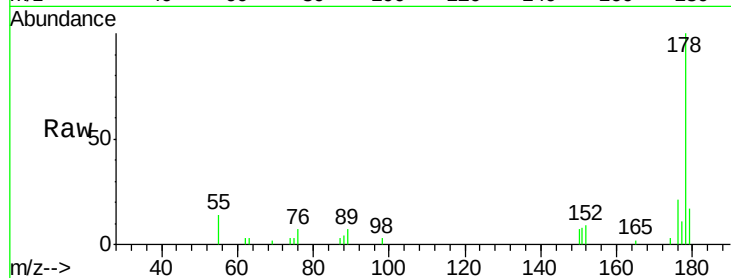
Tot Ion:178 Resp: 16472

Ion Ratio Lower Upper

178 100

176 21.4 15.3 22.9

179 17.1 12.2 18.4



#74

Fluoranthene

Concen: 17.72 ng

RT: 19.52 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

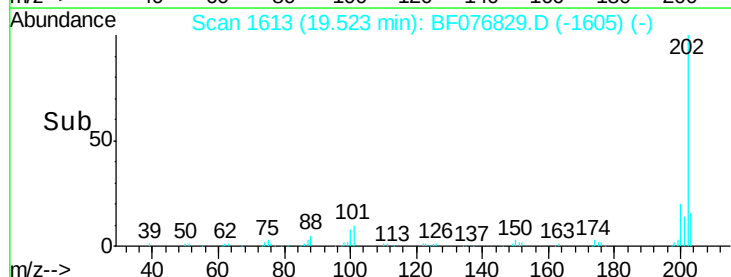
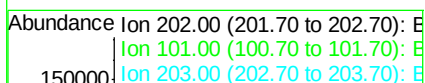
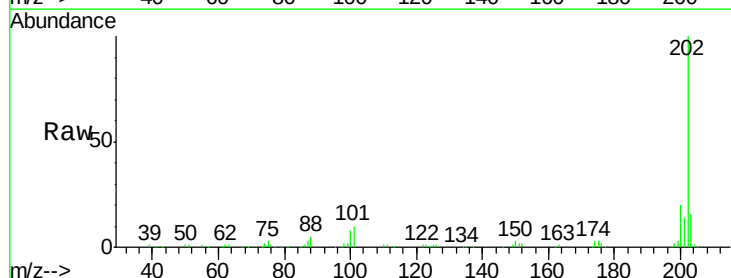
Tgt Ion:202 Resp: 136074

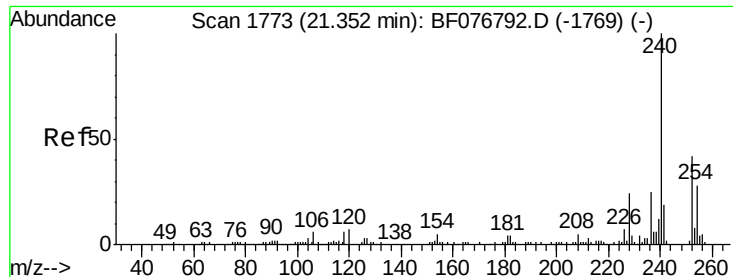
Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.0

203 16.1 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

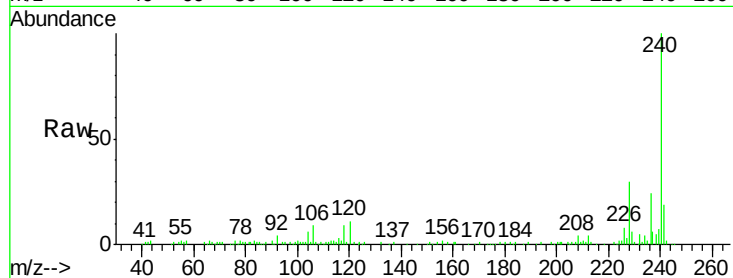
Tot Ion:240 Resp: 113266

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

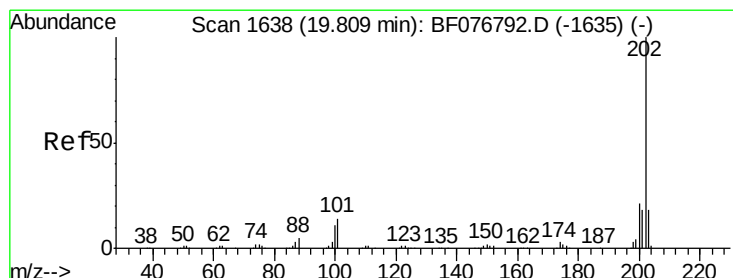
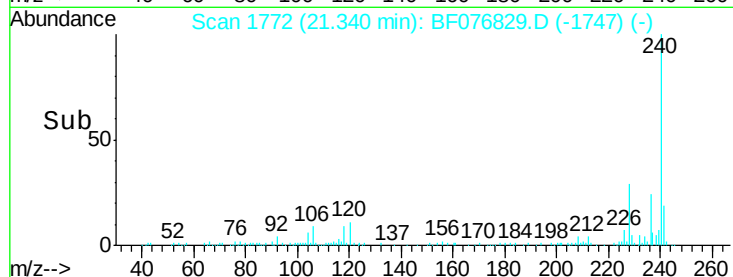
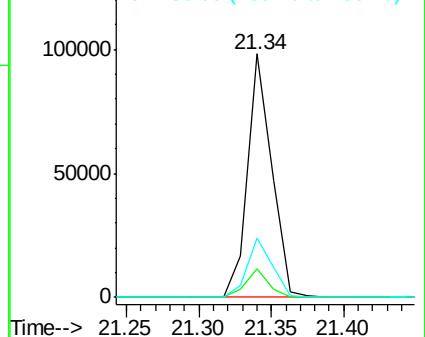
236 24.2 19.7 29.5



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: 15.10 ng

RT: 19.81 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

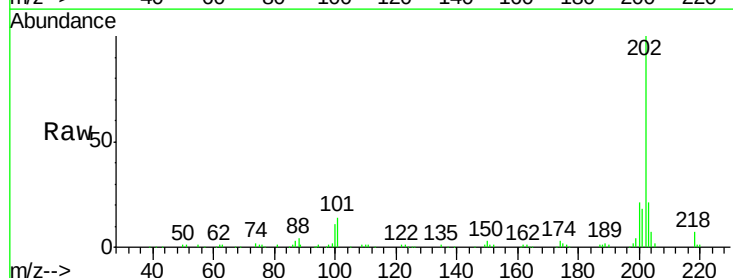
Tgt Ion:202 Resp: 123088

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

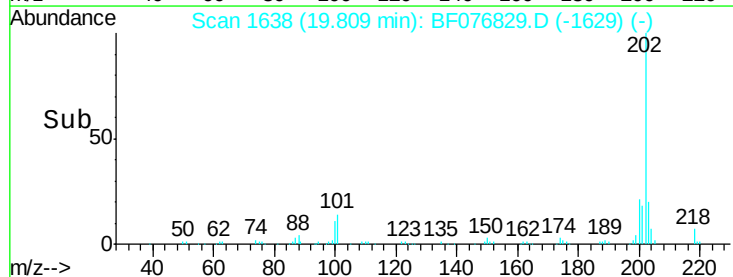
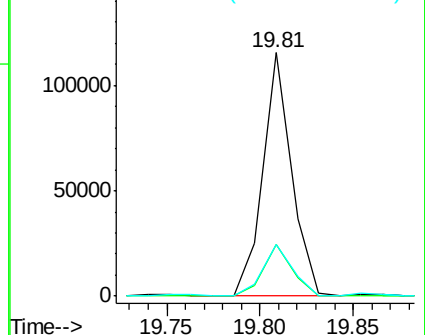
203 21.0 14.6 22.0

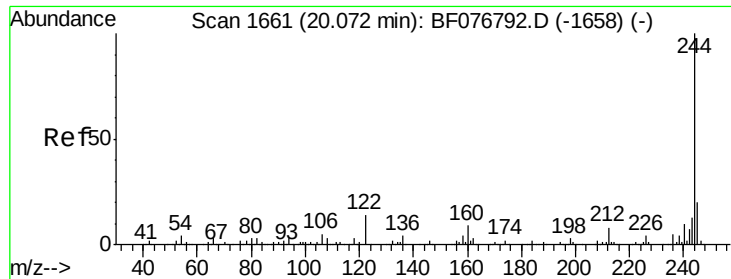


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.77 ng

RT: 20.07 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

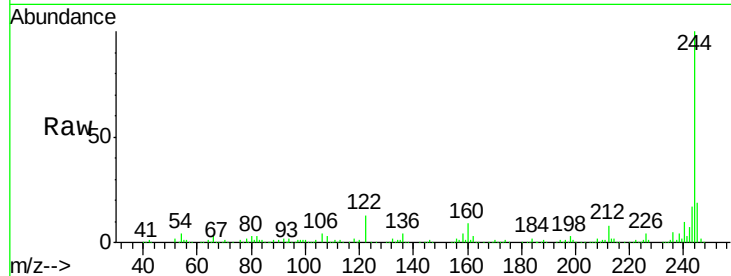
Tot Ion:244 Resp: 334133

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

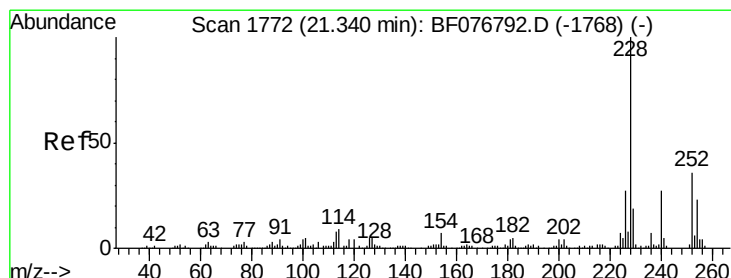
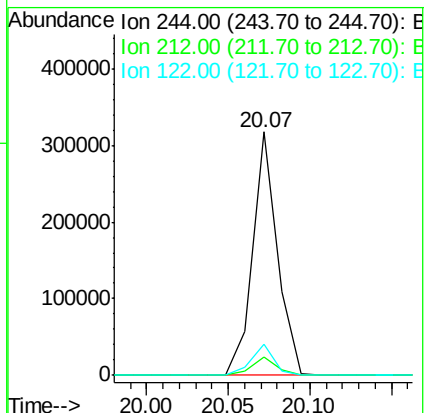
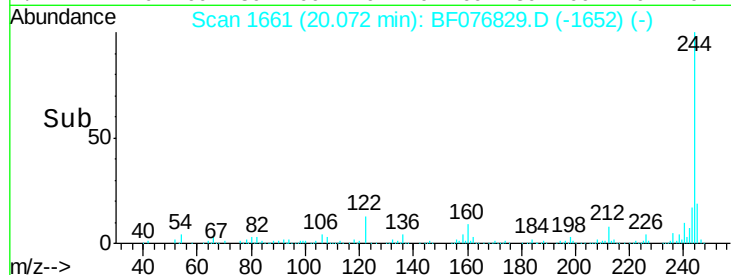
122 12.7 11.3 16.9



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: 10.37 ng

RT: 21.33 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

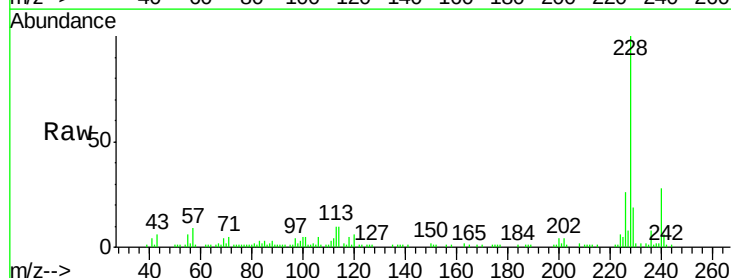
Tgt Ion:228 Resp: 74851

Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.0

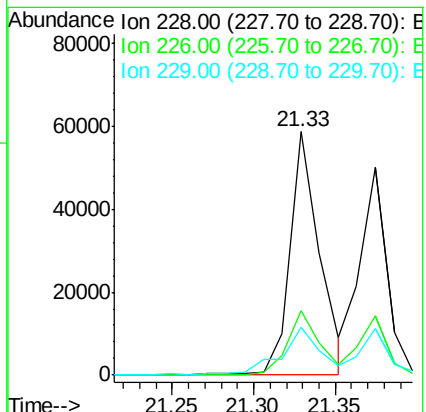
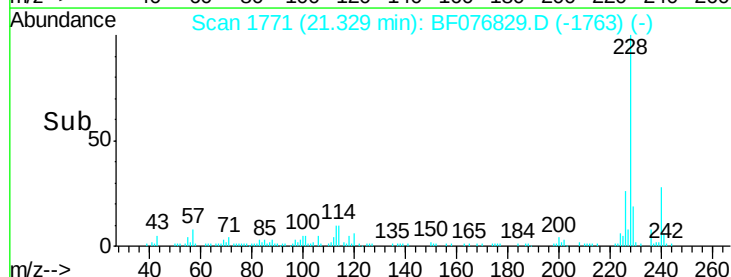
229 19.4 15.0 22.4

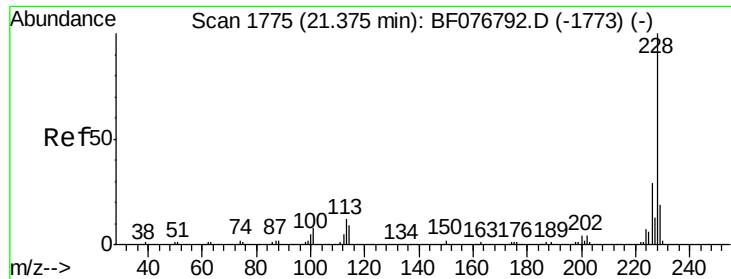


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.78 ng/mL

RT: 21.37 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

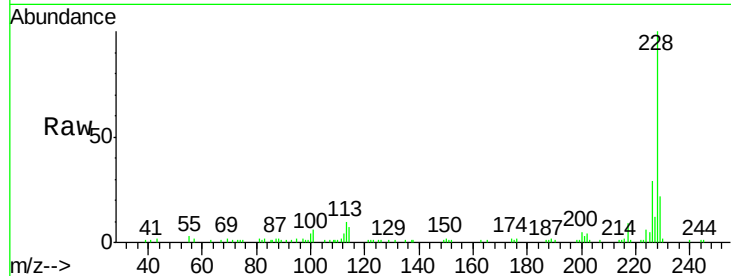
Tot Ion: 228 Resp: 57291

Ion Ratio Lower Upper

228 100

226 28.5 23.3 34.9

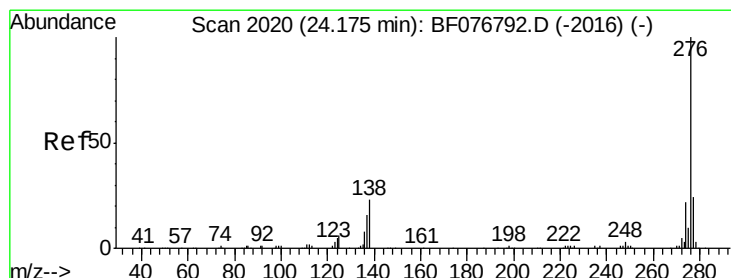
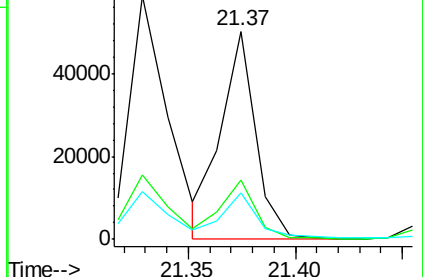
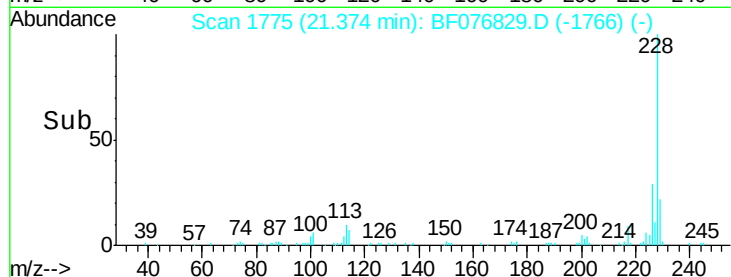
229 22.4 14.6 22.0#



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: 5.82 ng/mL

RT: 24.12 min Scan# 2015

Delta R.T. -0.06 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

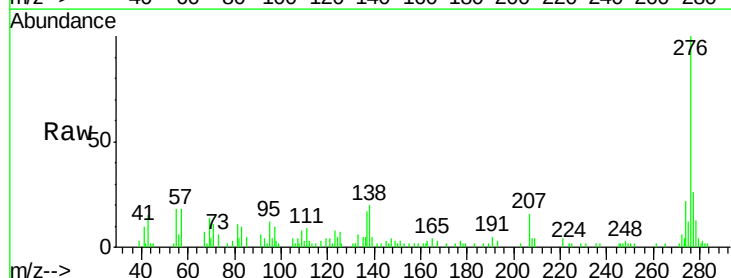
Tgt Ion: 276 Resp: 37608

Ion Ratio Lower Upper

276 100

138 23.8 0.0 0.0#

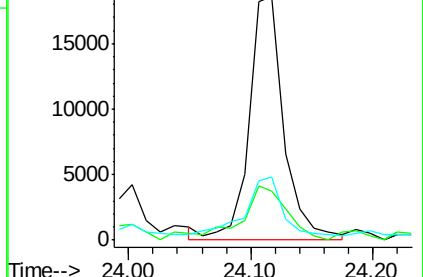
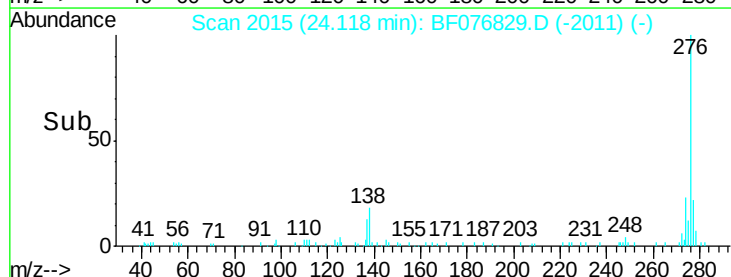
277 21.2 0.0 0.0#

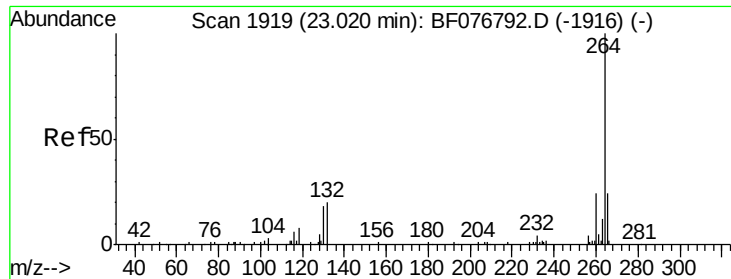


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

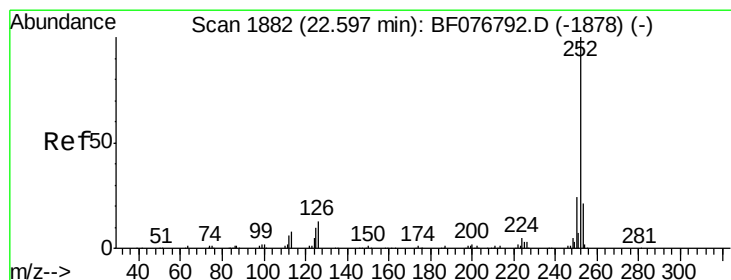
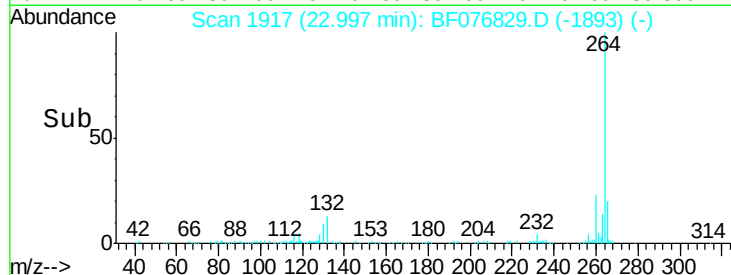
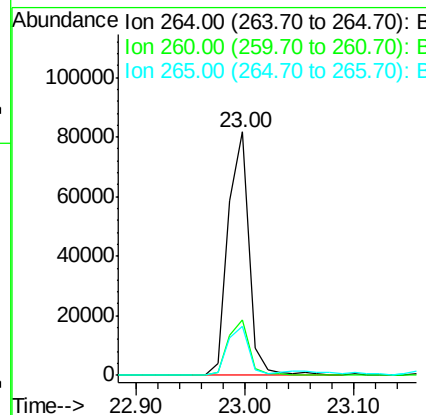
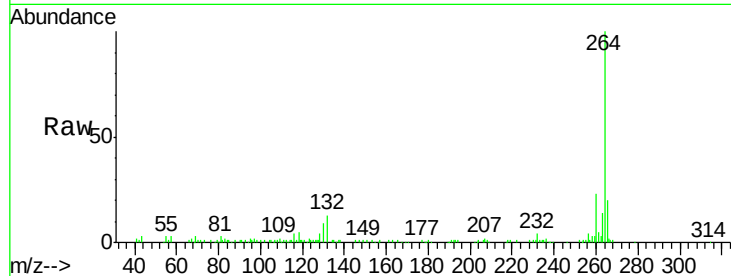




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. -0.02 min
Lab File: BF076829.D
Acq: 13 Jan 2015 4:44

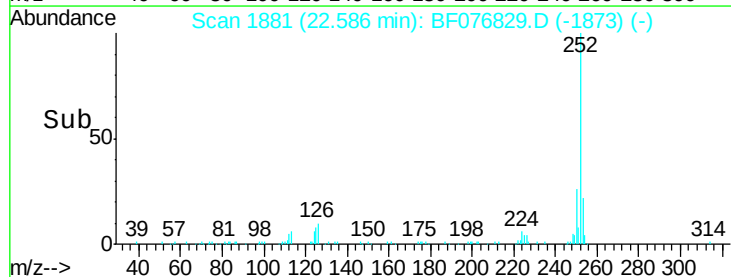
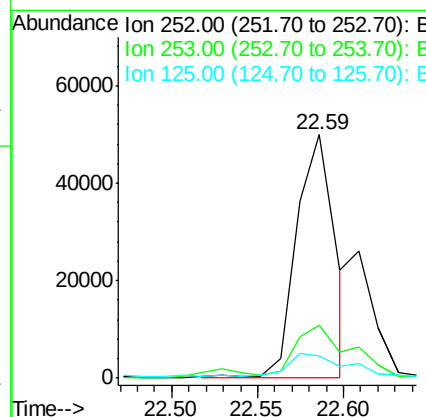
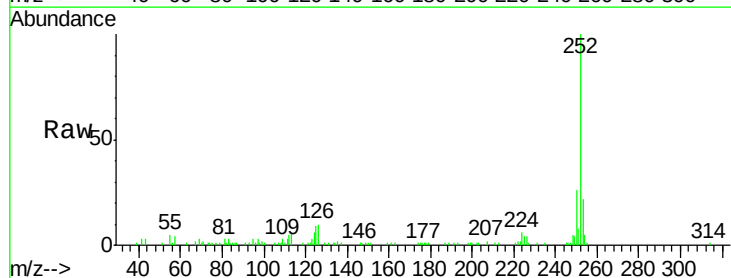
Instrument :
BNA_F
ClientSampleId :
TP4-SS-1(2-4)

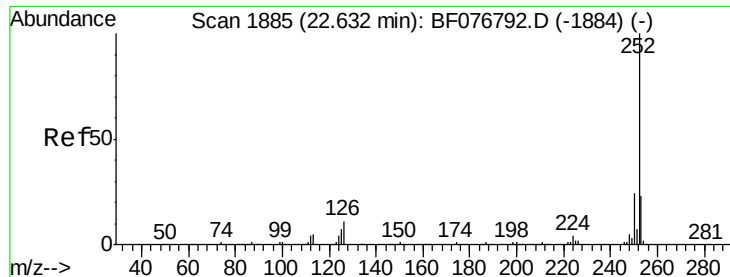
Tot Ion:264 Resp: 108381
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.0
265 19.9 18.9 28.3



#87
Benzo(b)fluoranthene
Concen: 10.40 ng m
RT: 22.59 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BF076829.D
Acq: 13 Jan 2015 4:44

Tgt Ion:252 Resp: 78053
Ion Ratio Lower Upper
252 100
253 22.0 16.6 25.0
125 9.2 8.1 12.1





#88

Benzo(k)fluoranthene

Concen: 3.99 ng/mL

RT: 22.61 min Scan# 1883

Delta R.T. -0.02 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

Instrument :

BNA_F

ClientSampleId :

TP4-SS-1(2-4)

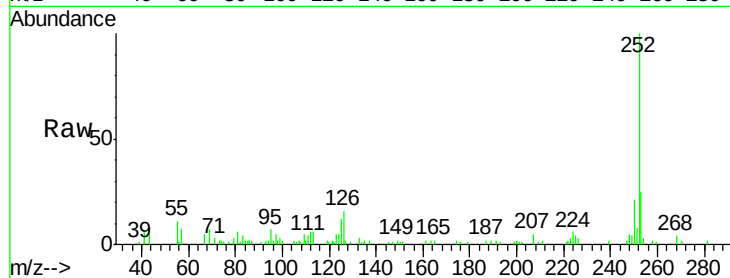
Tot Ion:252 Resp: 26213

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

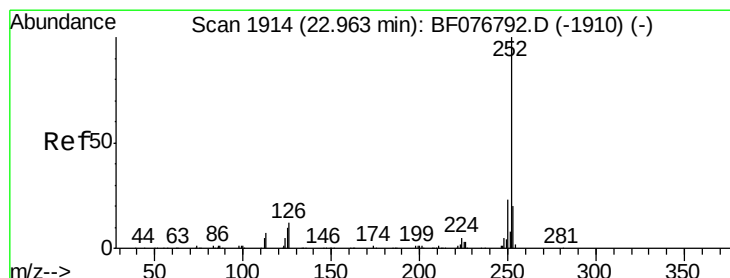
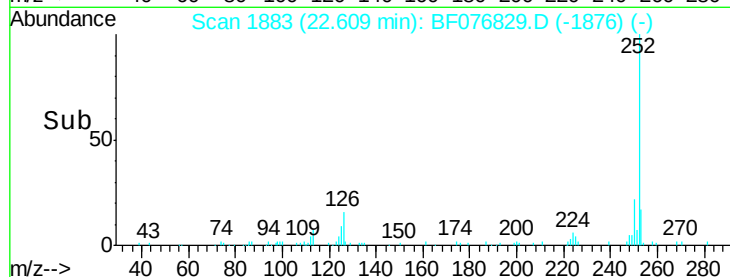
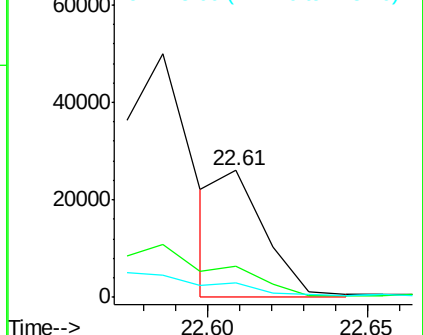
125 11.6 7.5 11.3#



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



#89

Benzo(a)pyrene

Concen: 8.89 ng/mL

RT: 22.93 min Scan# 1911

Delta R.T. -0.03 min

Lab File: BF076829.D

Acq: 13 Jan 2015 4:44

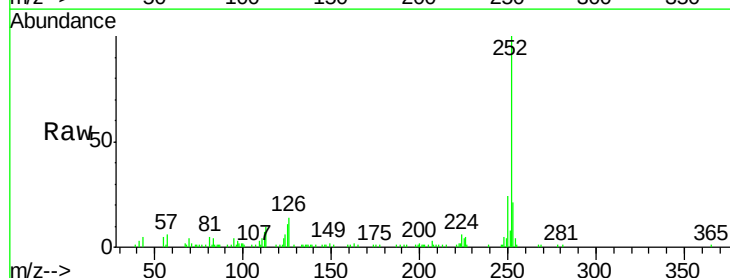
Tgt Ion:252 Resp: 57320

Ion Ratio Lower Upper

252 100

253 21.3 16.2 24.4

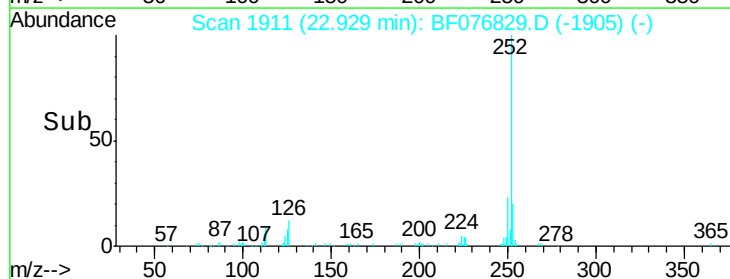
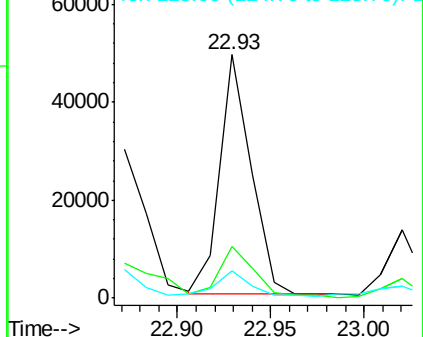
125 11.1 7.8 11.6

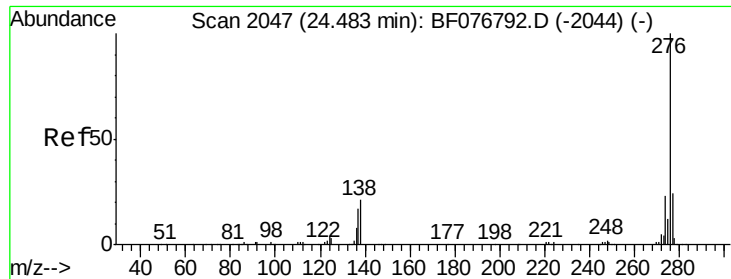


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 5.79 ng
 RT: 24.41 min Scan# 2041
 Delta R.T. -0.07 min
 Lab File: BF076829.D
 Acq: 13 Jan 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 TP4-SS-1(2-4)

Tot Ion:276	Resp:	34738
Ion	Ratio	Lower Upper
276	100	
277	25.9	19.0 28.6
138	24.3	16.7 25.1

