

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076886.D
 Acq On : 15 Jan 2015 16:14
 Operator : IZ / TP
 Sample : G1030-06 10X
 Misc : S
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-3(7-8)

Quant Time: Jan 16 10:18:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 15 11:52:04 2015
 Response via : Initial Calibration

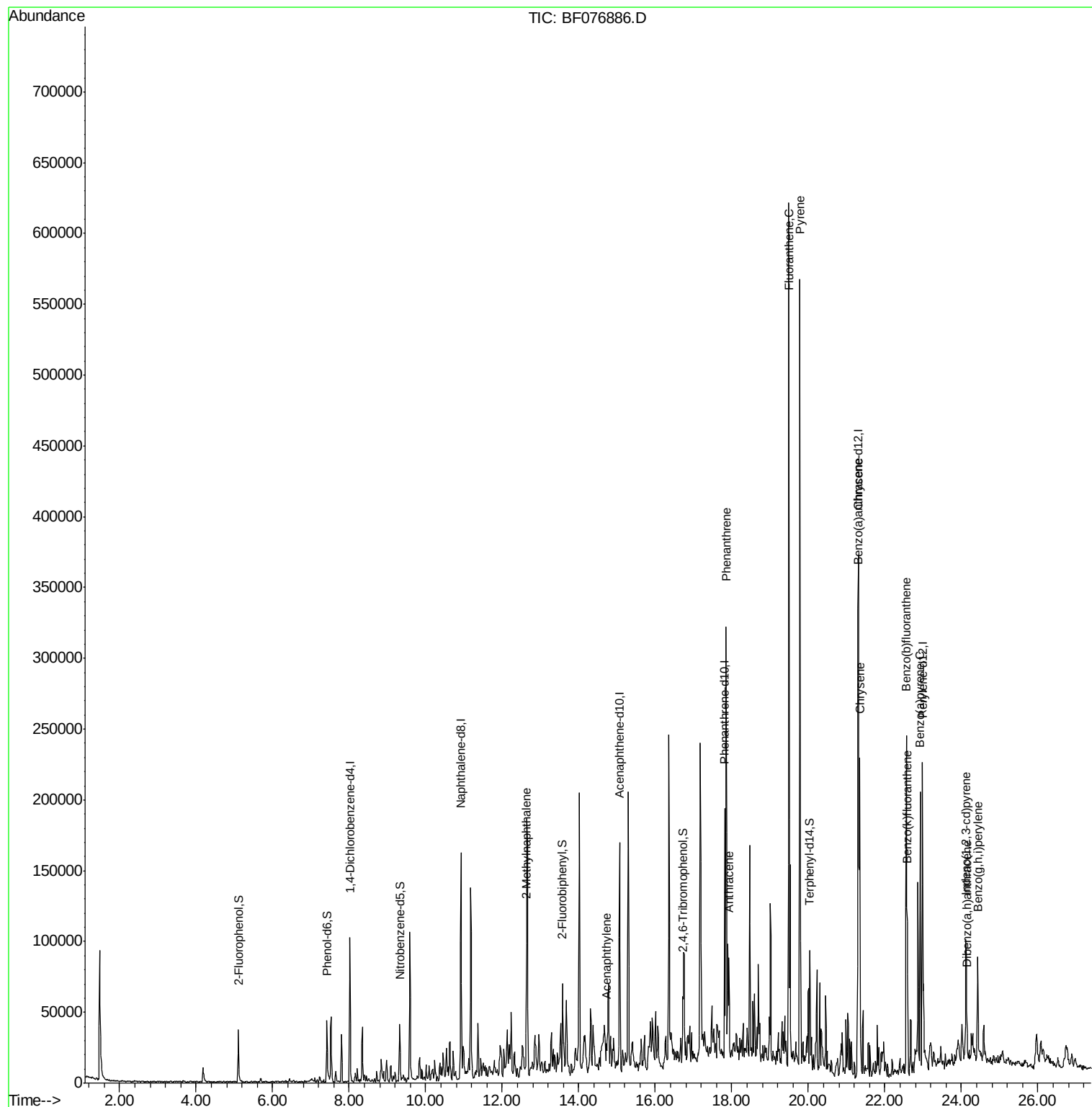
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	27716	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	114352	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	60240	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	94897	20.00	ng	0.00
75) Chrysene-d12	21.31	240	100278	20.00	ng	0.00
86) Perylene-d12	22.99	264	100902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	22186	13.16	ng	0.01
7) Phenol-d6	7.42	99	26684	12.55	ng	0.00
23) Nitrobenzene-d5	9.32	82	17282	8.37	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	5334	10.91	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	31802	8.03	ng	-0.01
78) Terphenyl-d14	20.04	244	30844	7.08	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.63	142	20555	5.11	ng	97
48) Acenaphthylene	14.72	152	15073	2.43	ng	94
70) Phenanthrene	17.85	178	99512	16.82	ng	99
71) Anthracene	17.92	178	30960	5.36	ng	95
74) Fluoranthene	19.49	202	265987	43.86	ng	98
77) Pyrene	19.77	202	231745	33.72	ng	# 96
80) Benzo(a)anthracene	21.29	228	131642	20.92	ng	100
82) Chrysene	21.34	228	93722	16.33	ng	96
85) Indeno(1,2,3-cd)pyrene	24.12	276	53606	8.82	ng	# 86
87) Benzo(b)fluoranthene	22.56	252	127120m	18.71	ng	
88) Benzo(k)fluoranthene	22.57	252	50656m	8.53	ng	
89) Benzo(a)pyrene	22.92	252	95911	16.00	ng	# 95
90) Dibenzo(a,h)anthracene	24.14	278	12216m	2.22	ng	
91) Benzo(a,h,i)perylene	24.43	276	51670	9.45	ng	96

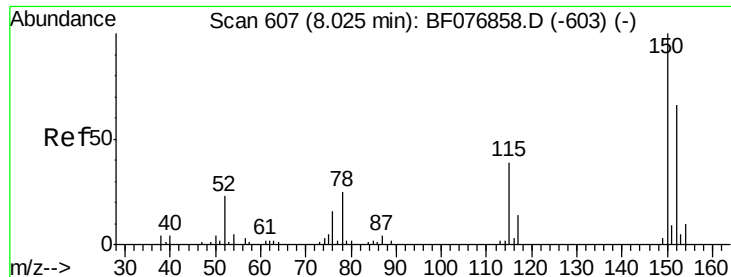
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076886.D
Acq On : 15 Jan 2015 16:14
Operator : IZ / TP
Sample : G1030-06 10X
Misc : S
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-SS-3(7-8)

Quant Time: Jan 16 10:18:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 15 11:52:04 2015
Response via : Initial Calibration



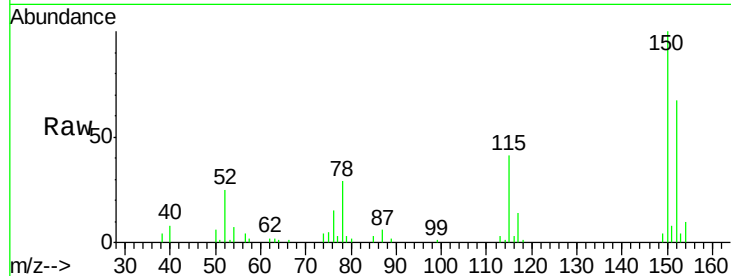


#1

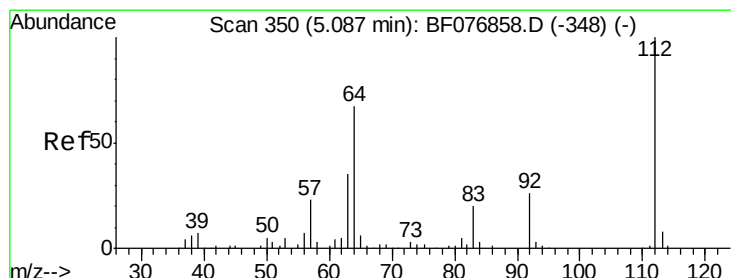
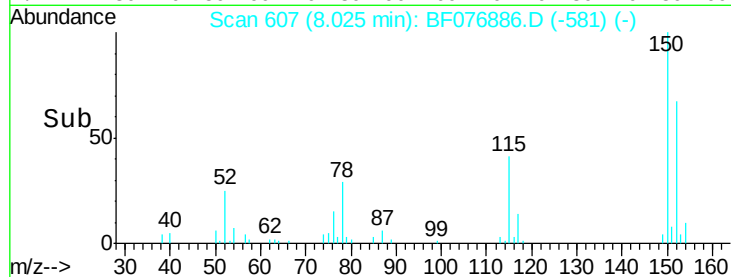
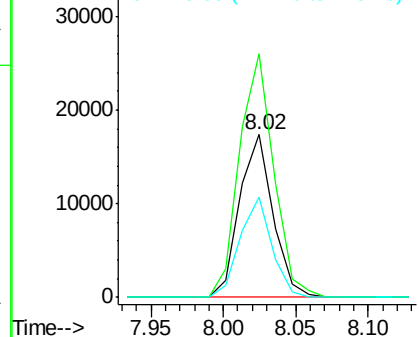
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Instrument :
BNA_F
ClientSampleId :
TP2-SS-3(7-8)

Tot Ion:152 Resp: 27716
Ion Ratio Lower Upper
152 100
150 149.6 121.7 182.5
115 61.7 47.0 70.6



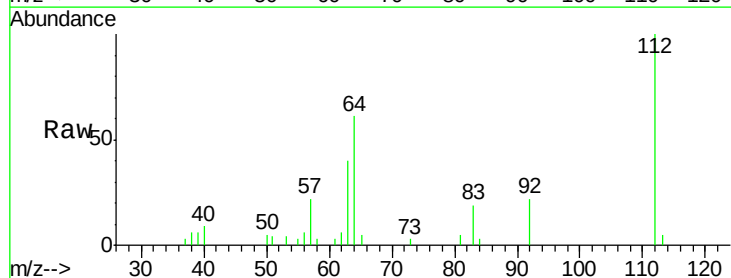
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



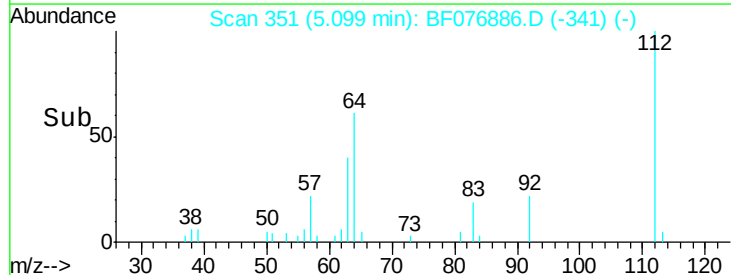
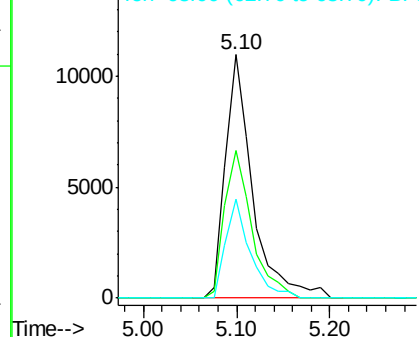
#5

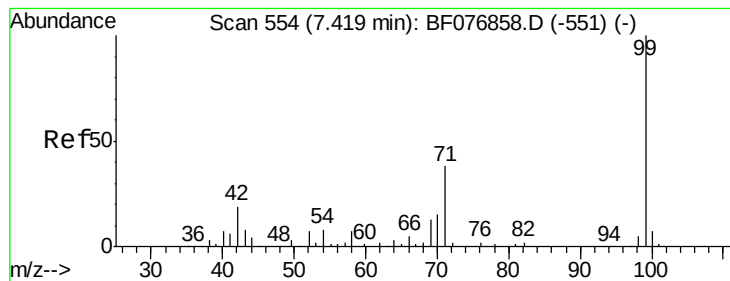
2-Fluorophenol
Concen: 13.16 ng
RT: 5.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:112 Resp: 22186
Ion Ratio Lower Upper
112 100
64 60.5 54.2 81.4
63 40.5 28.4 42.6



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: 12.55 ng

RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

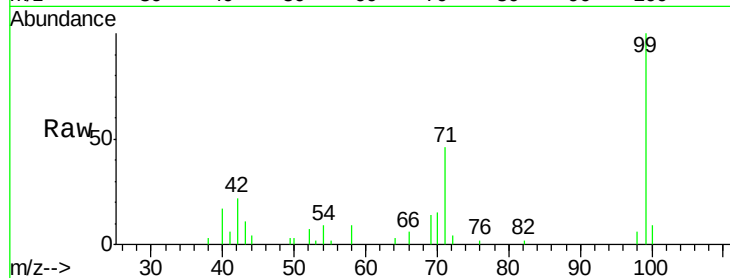
Tot Ion: 99 Resp: 26684

Ion Ratio Lower Upper

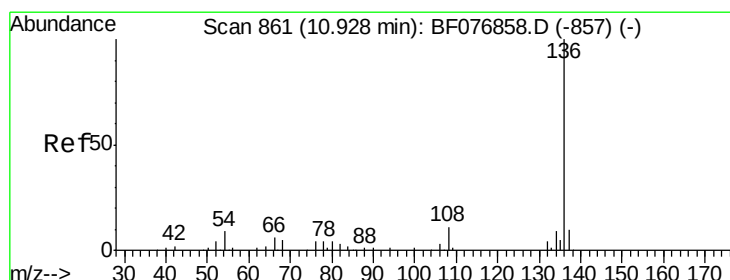
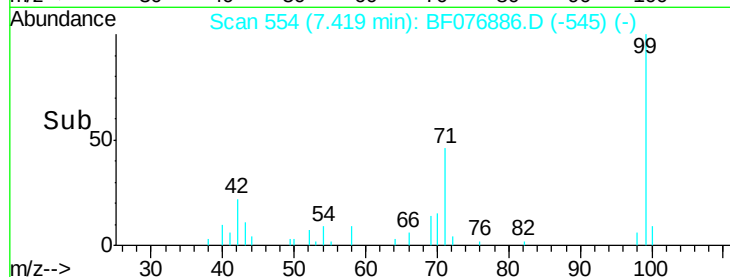
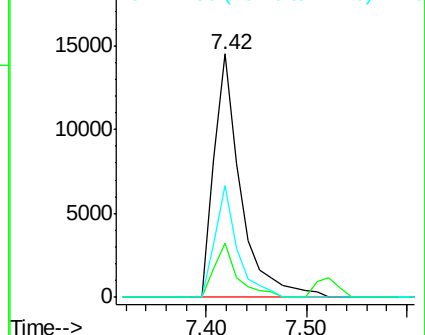
99 100

42 22.2 15.0 22.4

71 46.1 30.5 45.7#



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: 10.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Tgt Ion: 136 Resp: 114352

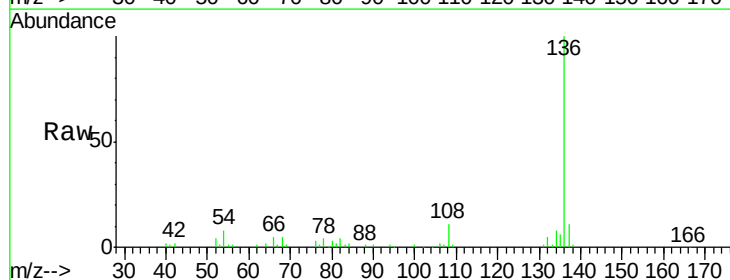
Ion Ratio Lower Upper

136 100

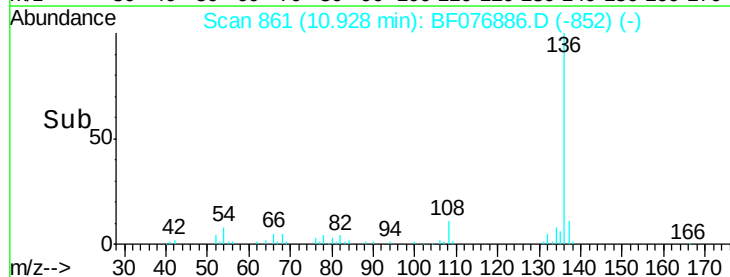
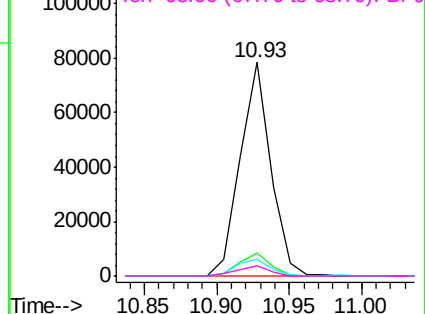
137 10.9 8.1 12.1

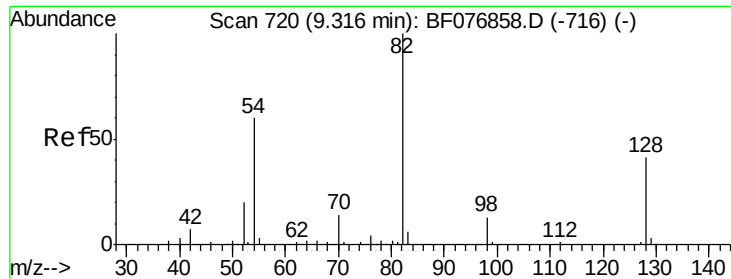
54 7.8 7.0 10.4

68 5.0 3.7 5.5



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: 8.37 ng

RT: 9.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

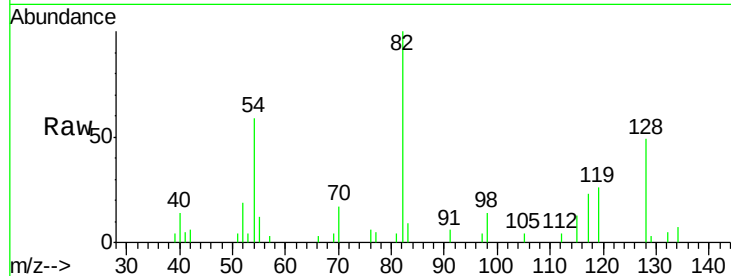
Tot Ion: 82 Resp: 17282

Ion Ratio Lower Upper

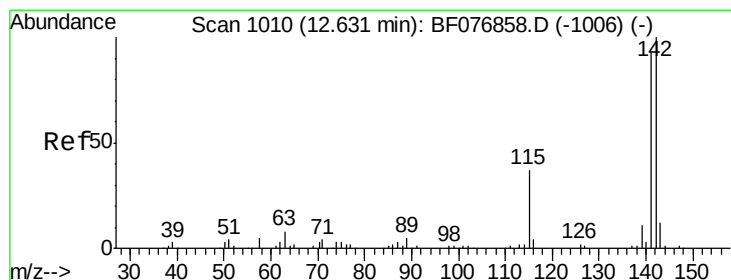
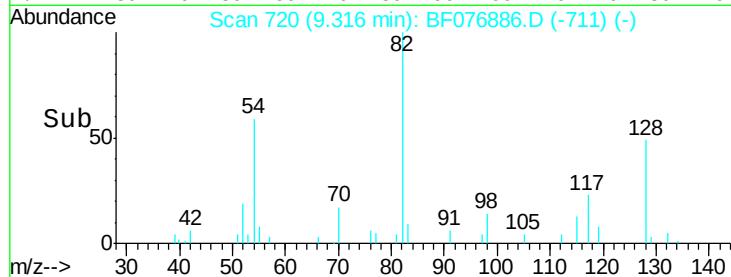
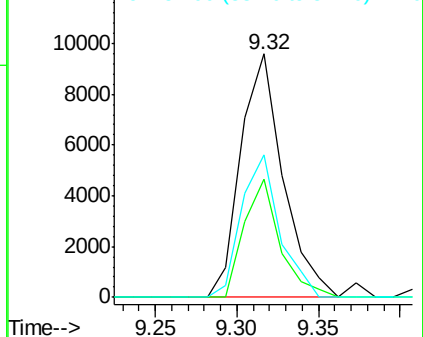
82 100

128 48.7 33.1 49.7

54 58.7 48.3 72.5



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



#37

2-Methylnaphthalene

Concen: 5.11 ng

RT: 12.63 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

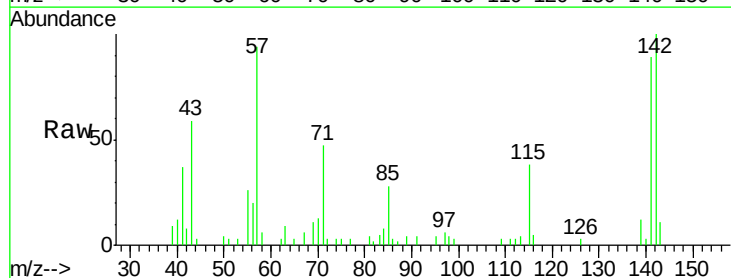
Tgt Ion: 142 Resp: 20555

Ion Ratio Lower Upper

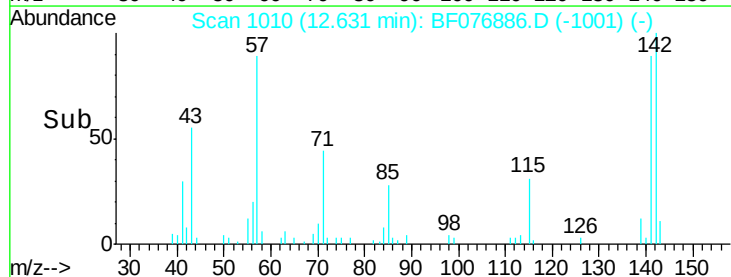
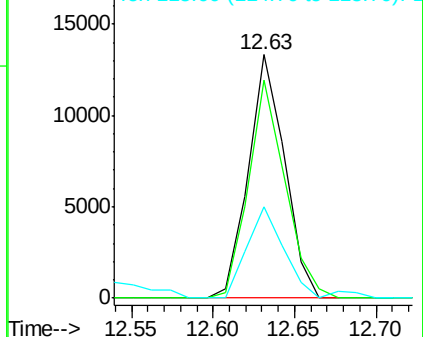
142 100

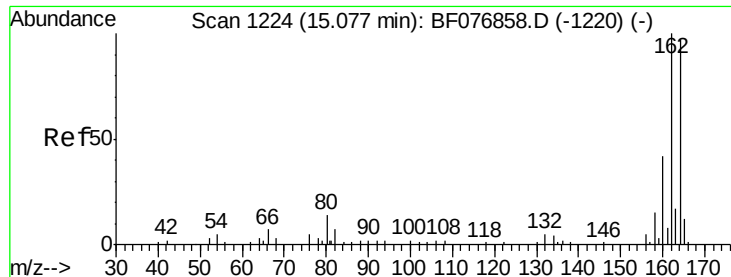
141 89.4 74.5 111.7

115 37.8 29.7 44.5



Abundance Ion 142.00 (141.70 to 142.70): B
Ion 141.00 (140.70 to 141.70): B
Ion 115.00 (114.70 to 115.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

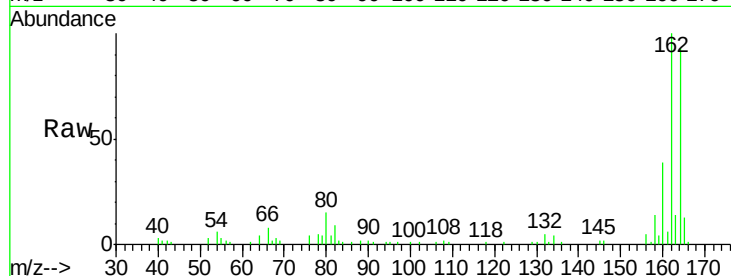
Tot Ion:164 Resp: 60240

Ion Ratio Lower Upper

164 100

162 107.2 82.4 123.6

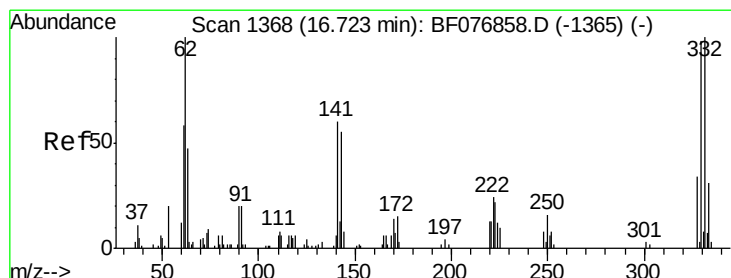
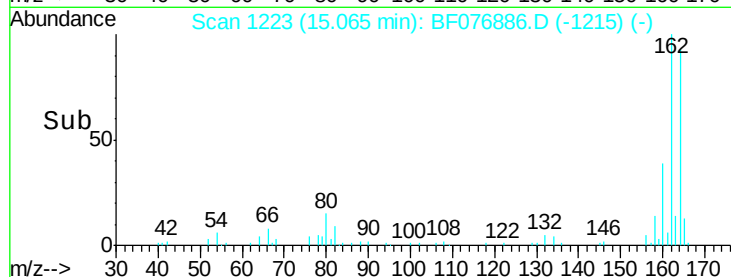
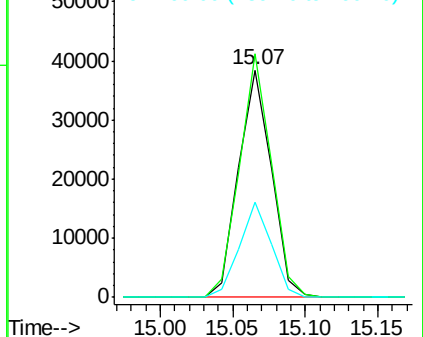
160 42.0 34.8 52.2



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: 10.91 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

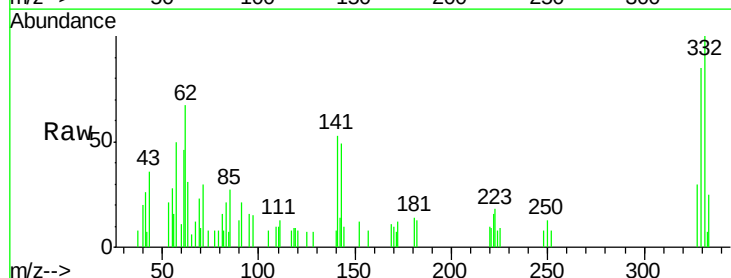
Tgt Ion:330 Resp: 5334

Ion Ratio Lower Upper

330 100

332 103.8 77.8 116.6

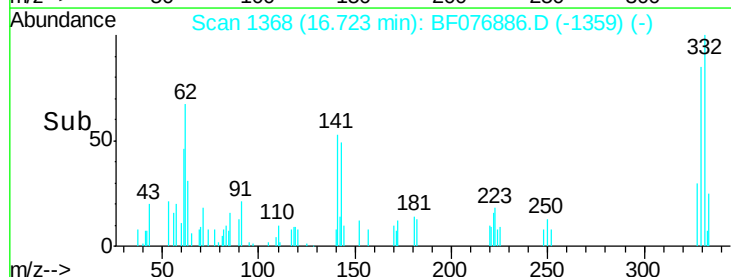
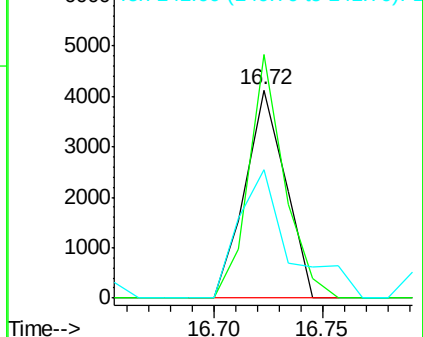
141 78.4 38.5 57.7#

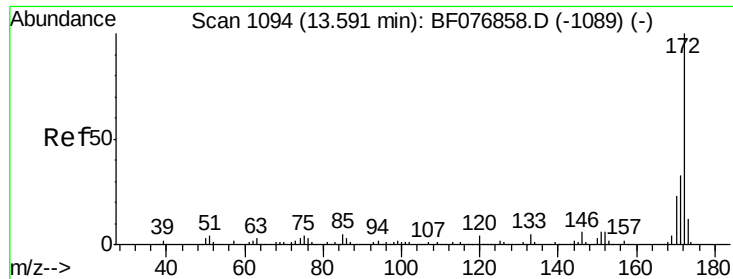


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

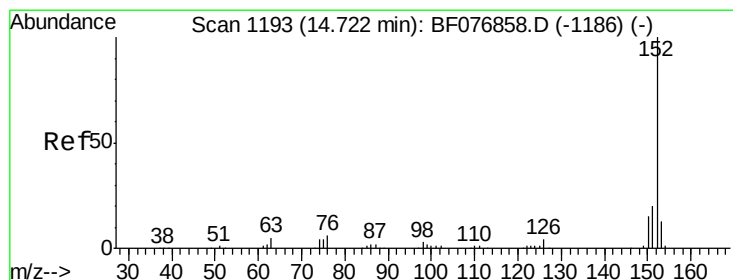
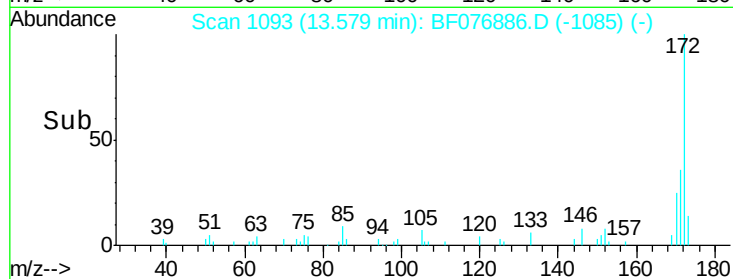
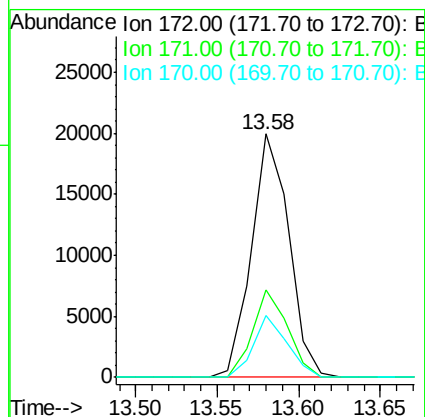
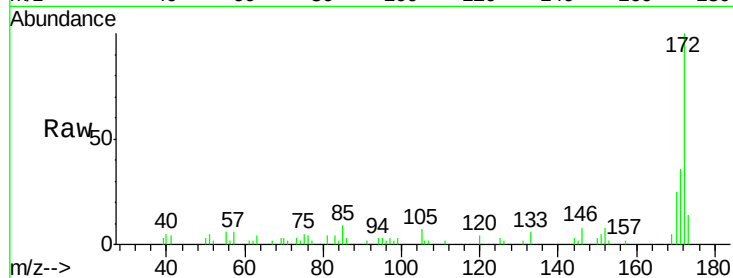




#44
2-Fluorobiphenyl
Concen: 8.03 ng
RT: 13.58 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

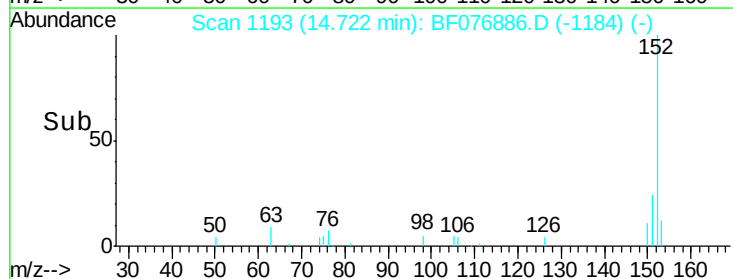
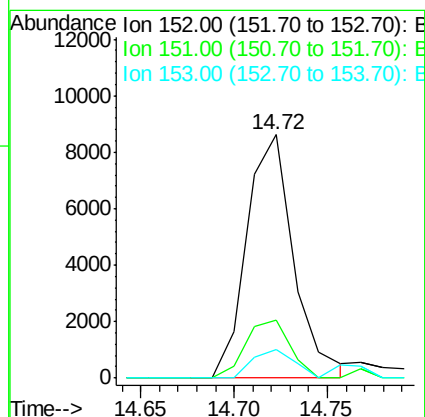
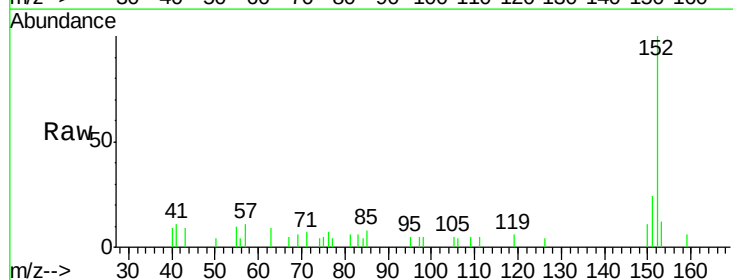
Instrument :
BNA_F
ClientSampleId :
TP2-SS-3(7-8)

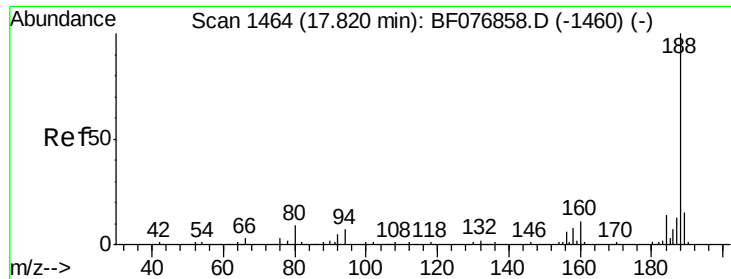
Tot Ion:172 Resp: 31802
Ion Ratio Lower Upper
172 100
171 35.7 26.6 40.0
170 25.3 18.0 27.0



#48
Acenaphthylene
Concen: 2.43 ng
RT: 14.72 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:152 Resp: 15073
Ion Ratio Lower Upper
152 100
151 23.7 15.9 23.9
153 11.8 10.2 15.4

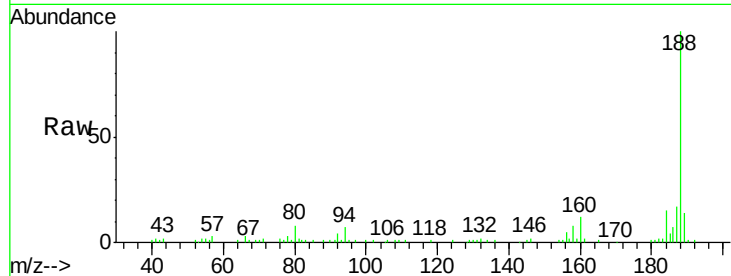




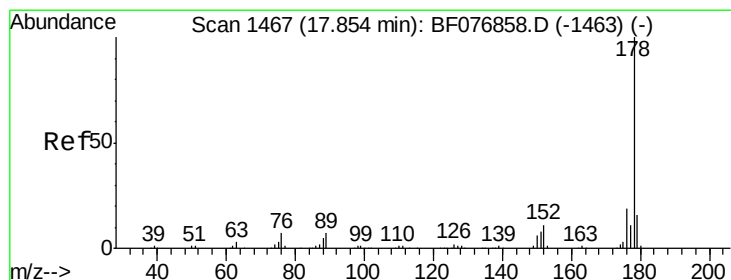
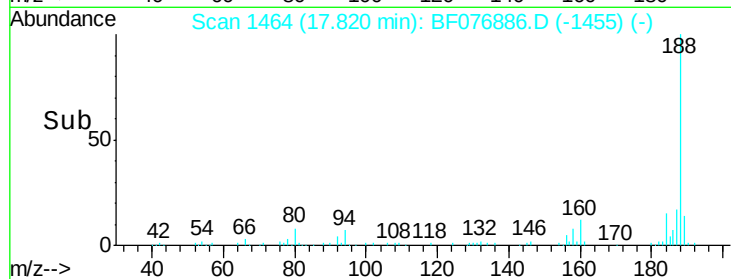
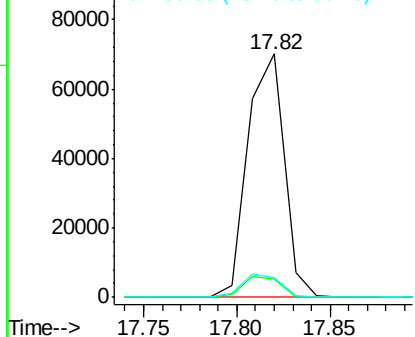
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.82 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-3(7-8)

Tot Ion:188 Resp: 94897
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.0 9.0
 80 8.0 6.9 10.3

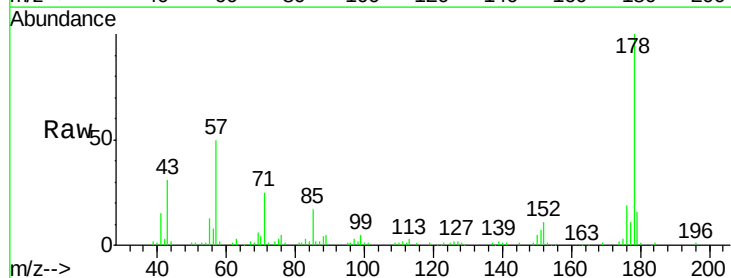


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

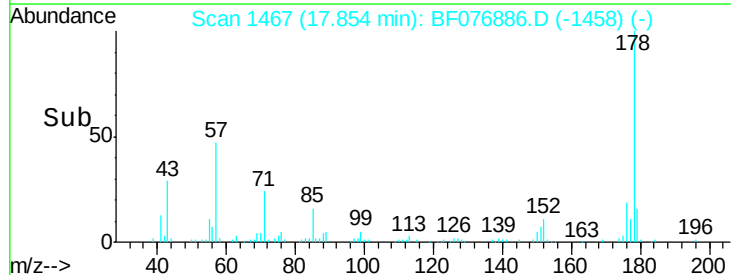
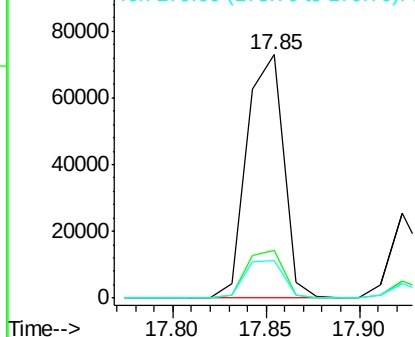


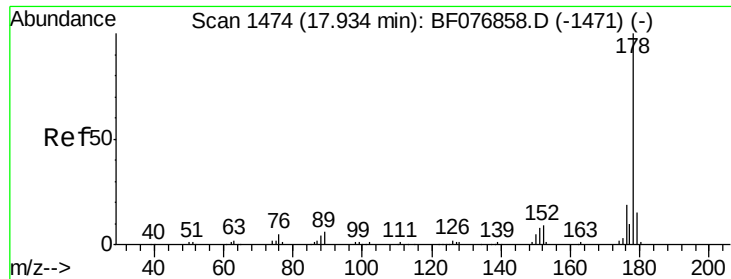
#70
 Phenanthrene
 Concen: 16.82 ng
 RT: 17.85 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Tgt Ion:178 Resp: 99512
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.36 ng

RT: 17.92 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

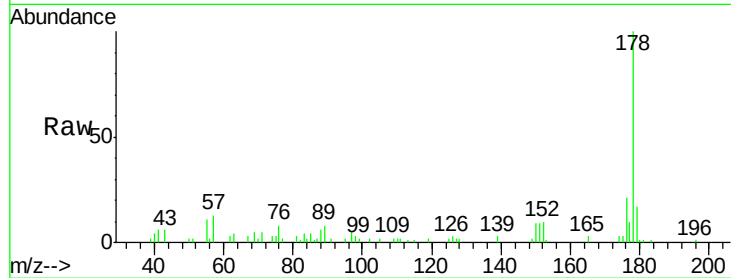
Tot Ion:178 Resp: 30960

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.0

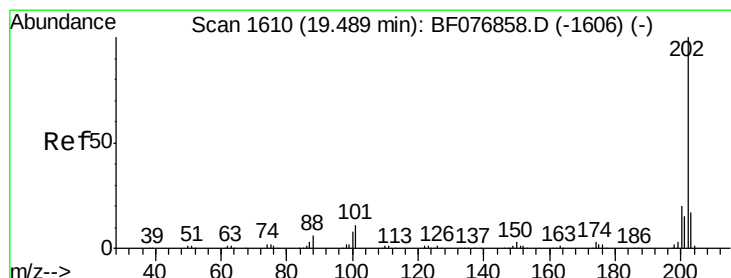
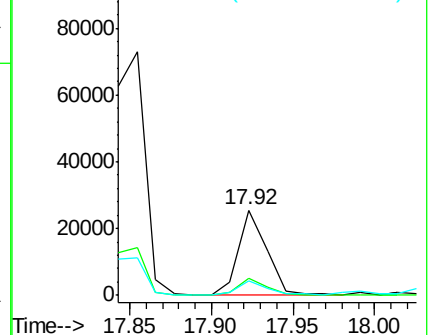
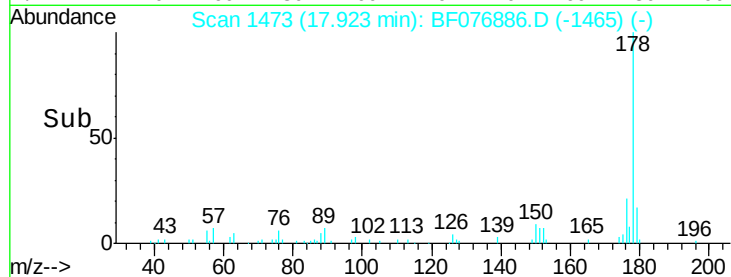
179 17.5 11.9 17.9



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: 43.86 ng

RT: 19.49 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

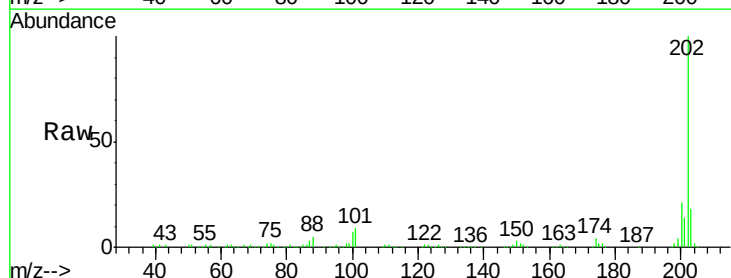
Tgt Ion:202 Resp: 265987

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.7

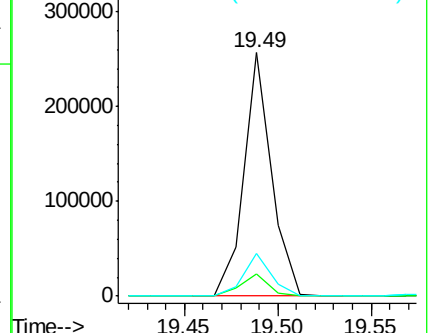
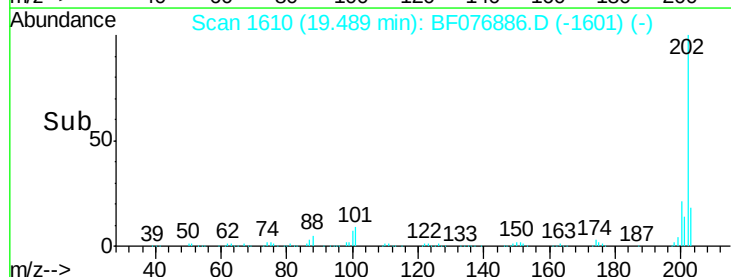
203 17.6 0.0 36.9

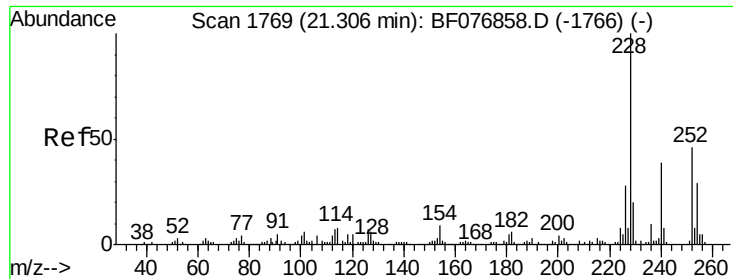


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.31 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

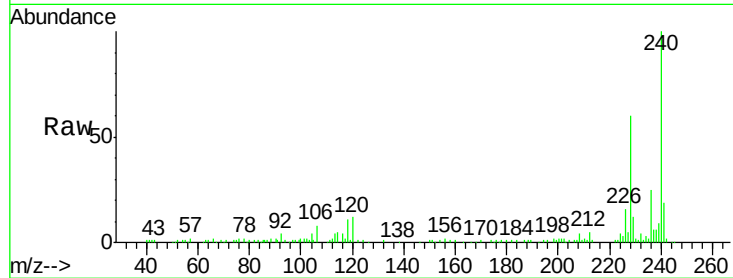
Tot Ion:240 Resp: 100278

Ion Ratio Lower Upper

240 100

120 11.7 10.4 15.6

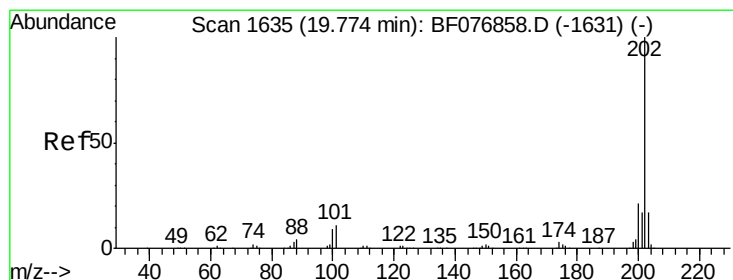
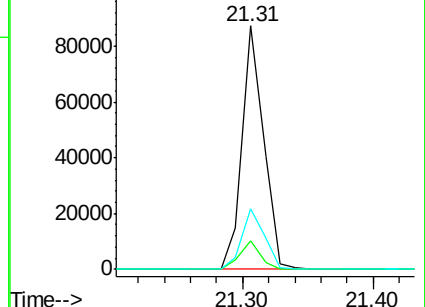
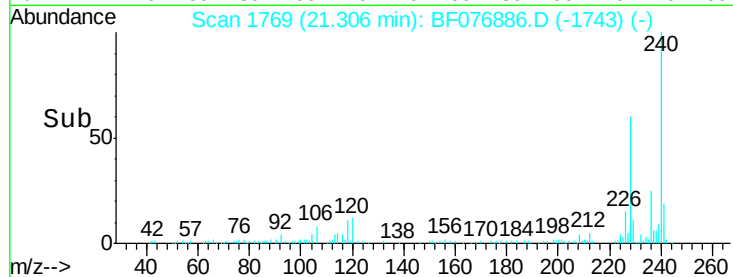
236 24.8 20.2 30.2



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: 33.72 ng

RT: 19.77 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

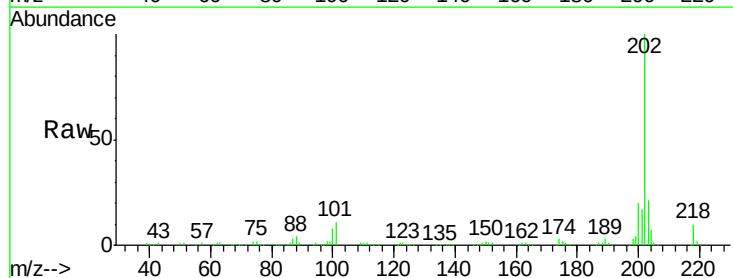
Tgt Ion:202 Resp: 231745

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

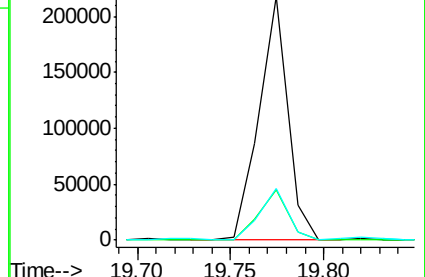
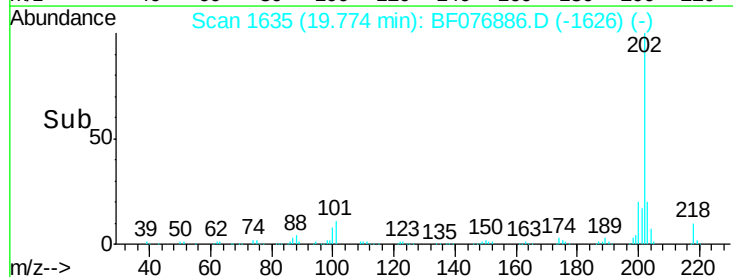
203 21.2 14.0 21.0#

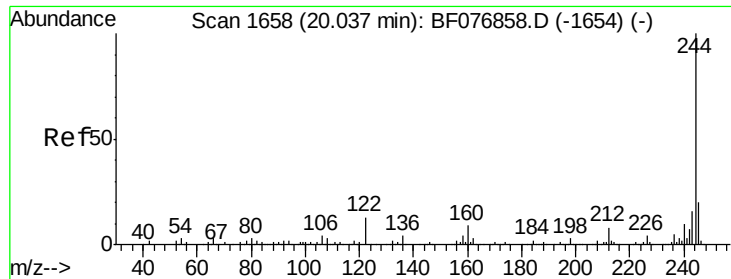


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.08 ng

RT: 20.04 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

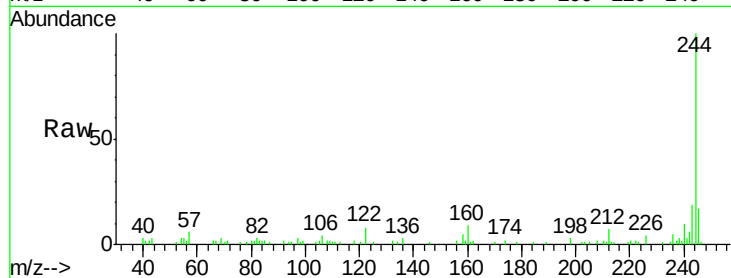
Tot Ion:244 Resp: 30844

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

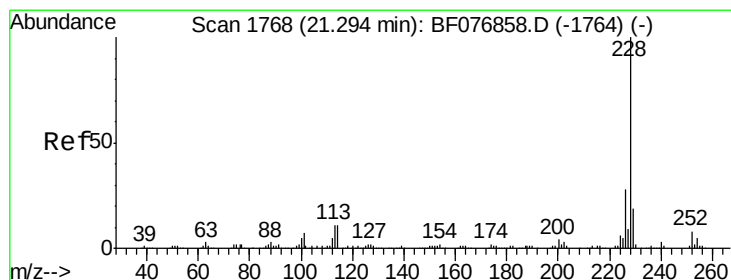
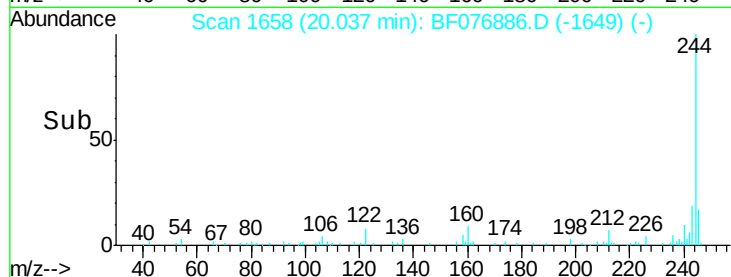
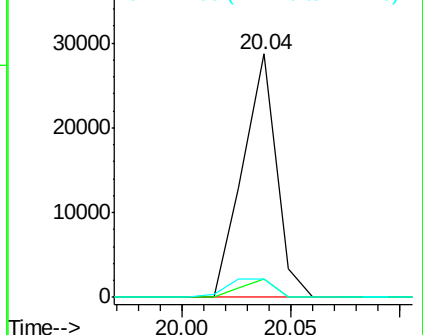
122 7.8 10.1 15.1#



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: 20.92 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

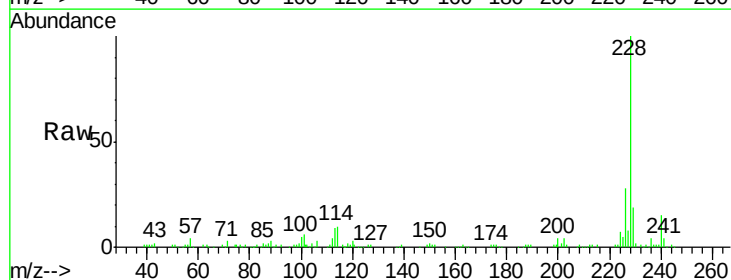
Tgt Ion:228 Resp: 131642

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

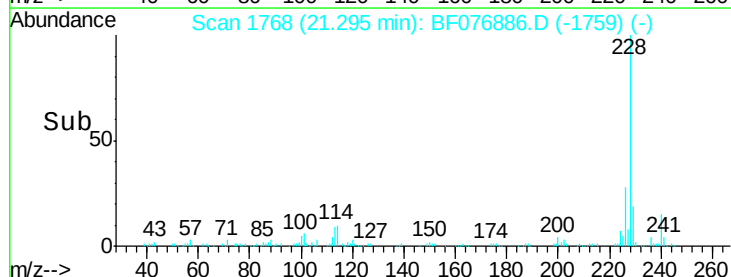
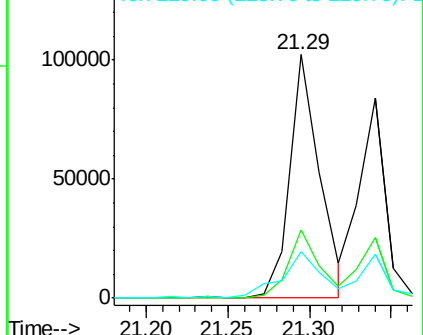
229 19.3 15.5 23.3

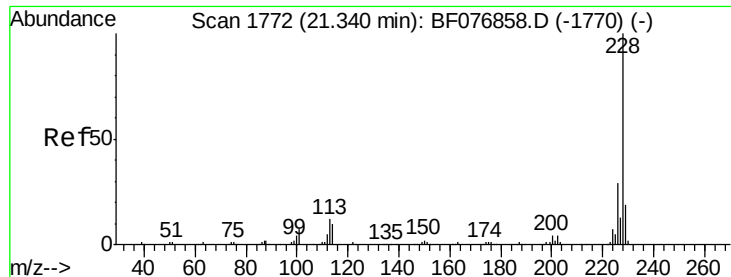


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.33 ng

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

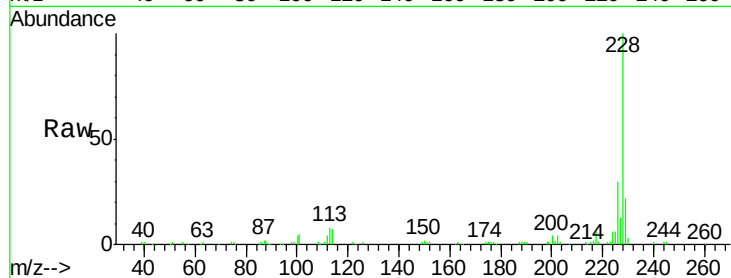
Tot Ion:228 Resp: 93722

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

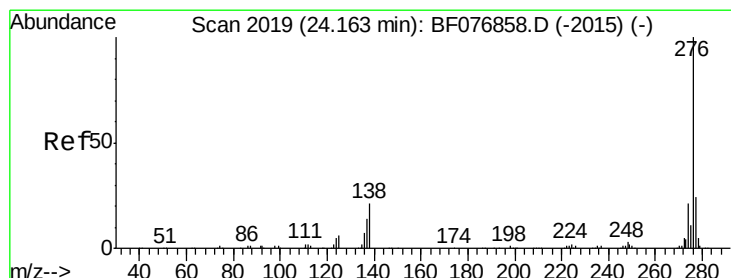
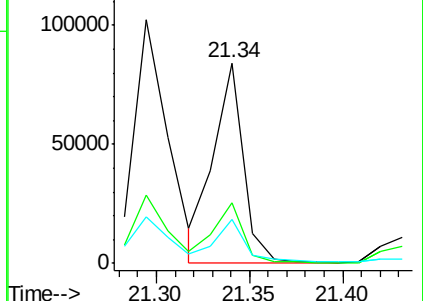
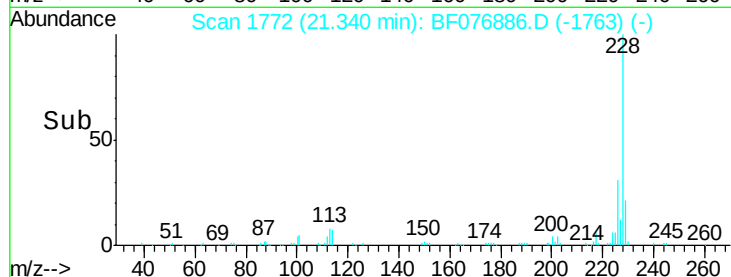
229 21.9 15.4 23.0



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: 8.82 ng

RT: 24.12 min Scan# 2015

Delta R.T. -0.05 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

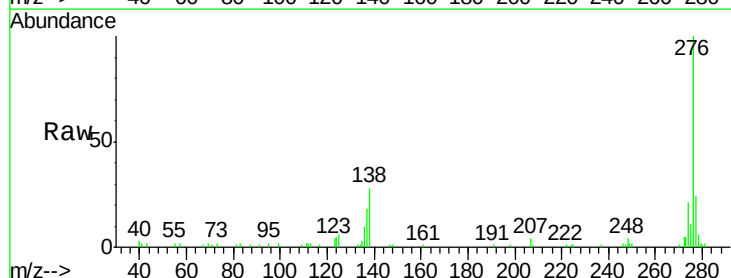
Tgt Ion:276 Resp: 53606

Ion Ratio Lower Upper

276 100

138 23.5 14.6 22.0#

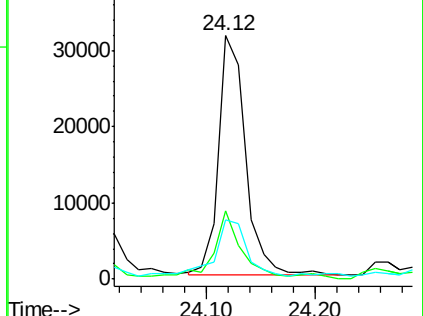
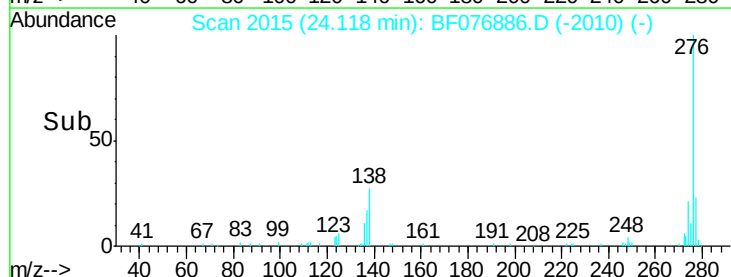
277 25.7 14.8 22.2#

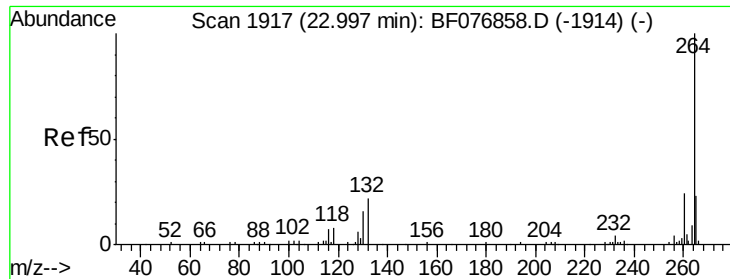


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



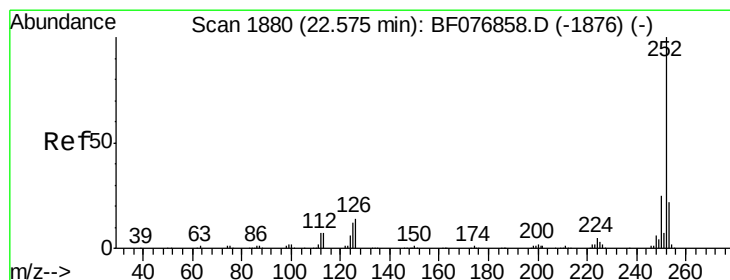
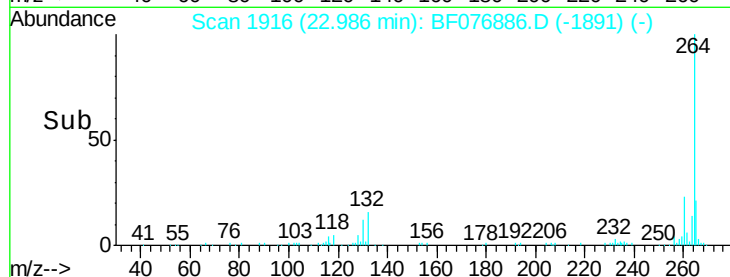
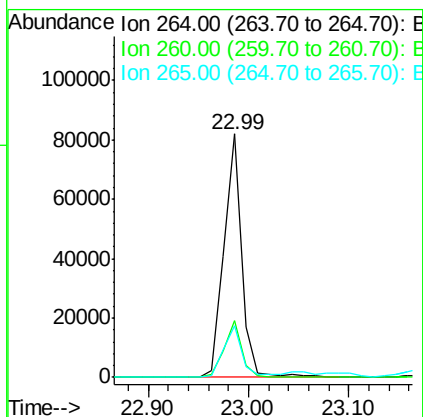
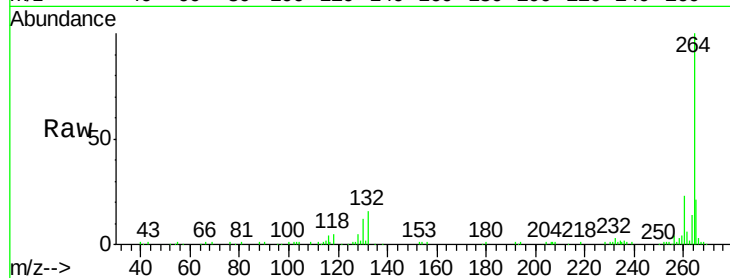


#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.99 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Instrument :
BNA_F
ClientSampleId :
TP2-SS-3(7-8)

Tot Ion:264 Resp: 100902

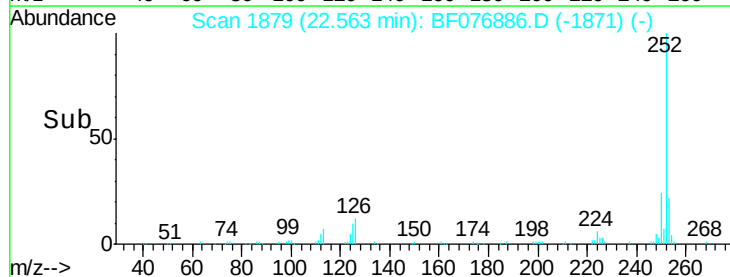
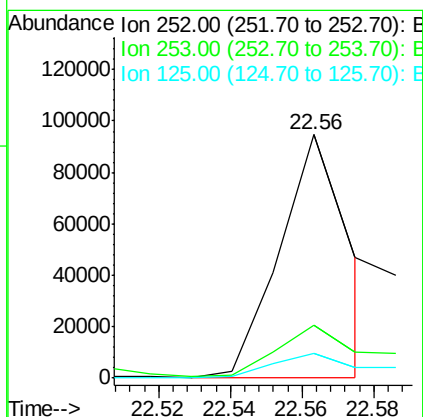
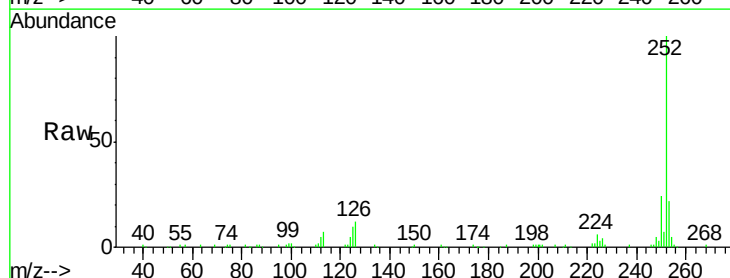
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.1	18.1	27.1

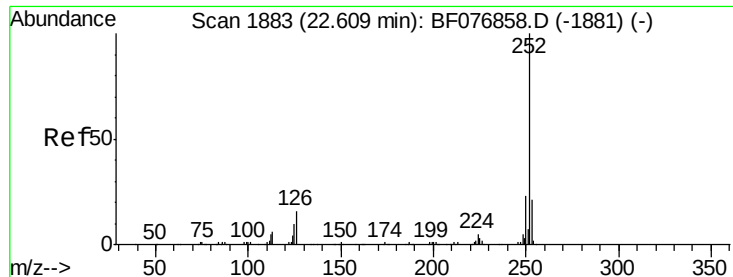


#87
Benzo(b)fluoranthene
Concen: 18.71 ng m
RT: 22.56 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:252 Resp: 127120

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.2	9.4	14.0

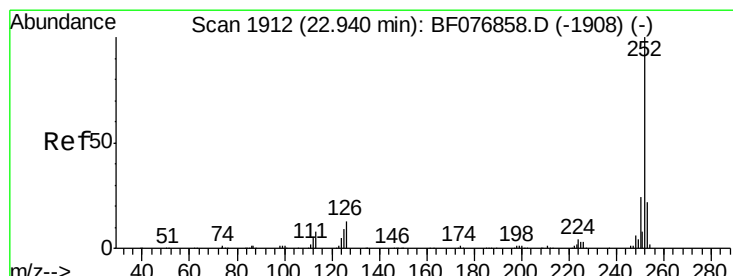
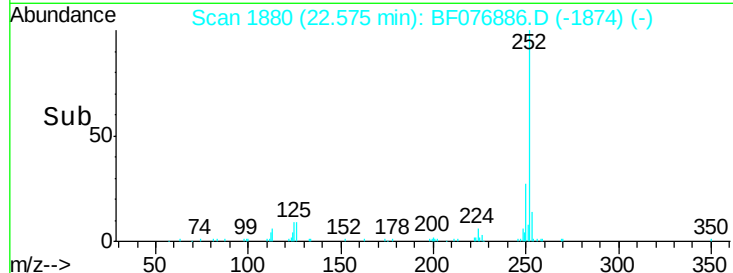
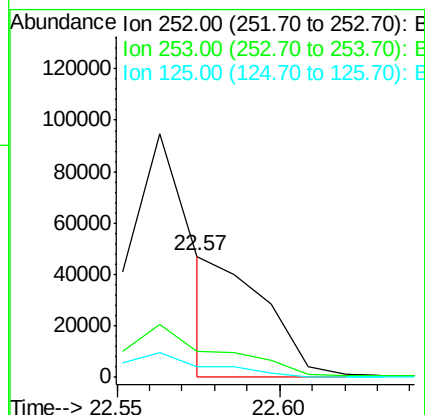
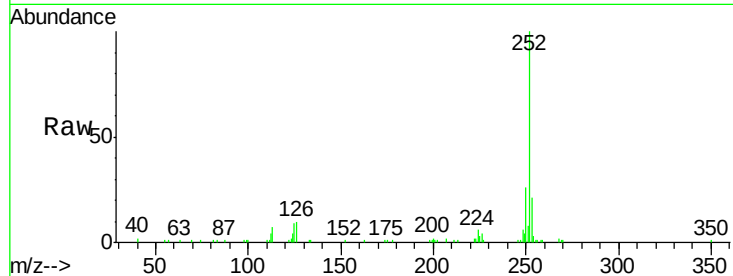




#88
Benzo(k)fluoranthene
Concen: 8.53 ng m
RT: 22.57 min Scan# 1880
Delta R.T. -0.03 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

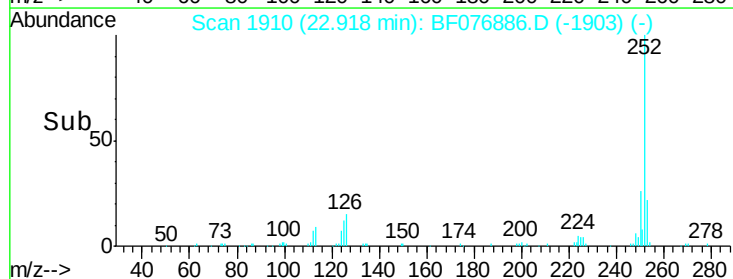
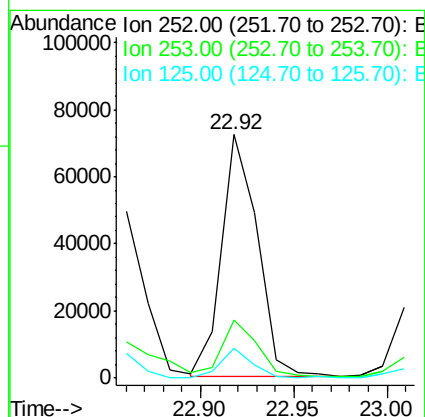
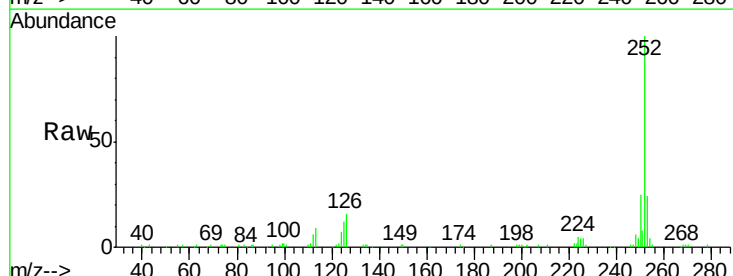
Instrument :
BNA_F
ClientSampleId :
TP2-SS-3(7-8)

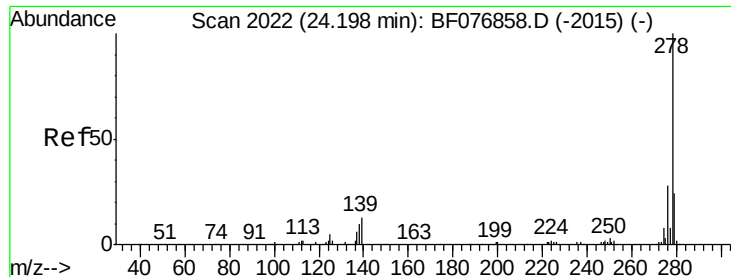
Tot Ion:252 Resp: 50656
Ion Ratio Lower Upper
252 100
253 21.2 17.2 25.8
125 9.1 7.1 10.7



#89
Benzo(a)pyrene
Concen: 16.00 ng
RT: 22.92 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:252 Resp: 95911
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 12.1 7.2 10.8#





#90

Dibenzo(a,h)anthracene

Concen: 2.22 ng/mL

RT: 24.14 min Scan# 2017

Delta R.T. -0.06 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

TP2-SS-3(7-8)

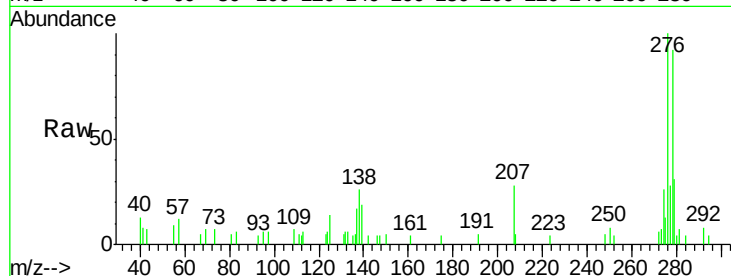
Tot Ion:278 Resp: 12216

Ion Ratio Lower Upper

278 100

139 21.0 10.5 15.7#

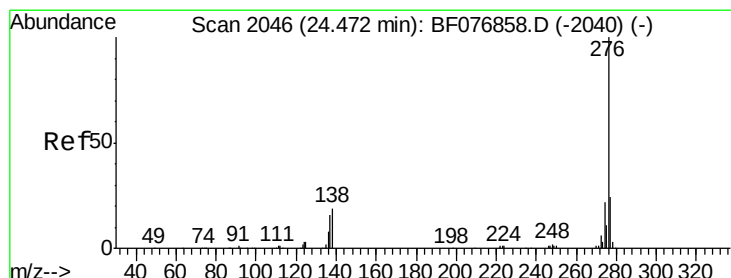
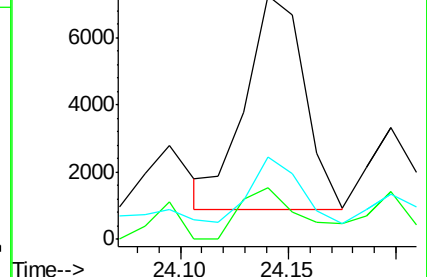
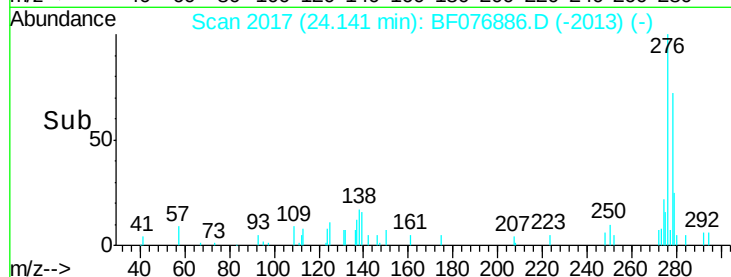
279 33.9 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.45 ng/mL

RT: 24.43 min Scan# 2042

Delta R.T. -0.05 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

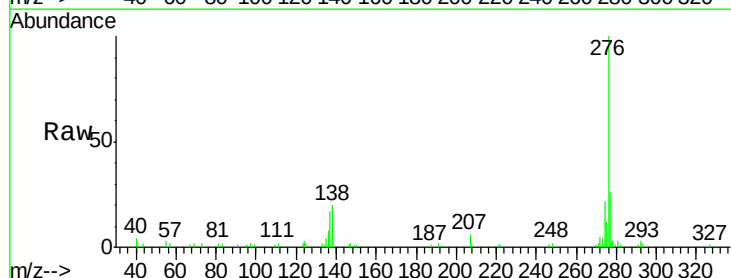
Tgt Ion:276 Resp: 51670

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 20.4 15.0 22.6



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

