

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076887.D
 Acq On : 15 Jan 2015 16:49
 Operator : IZ / TP
 Sample : G1030-05 5X
 Misc : S
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-2(6-8)

Quant Time: Jan 16 10:24:01 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

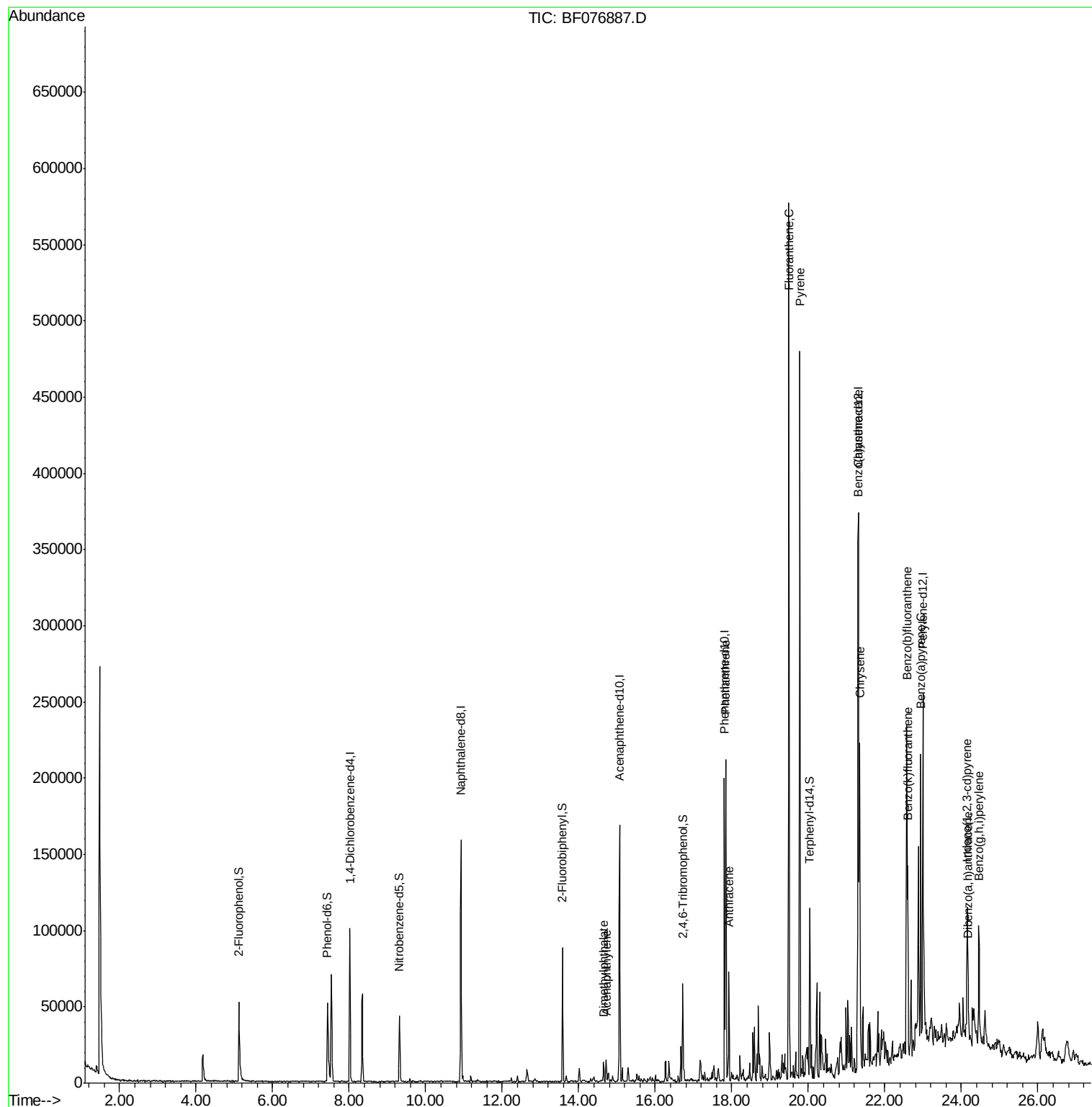
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	30102	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	123607	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	62265	20.00	ng	-0.01
63) Phenanthrene-d10	17.81	188	105983	20.00	ng	-0.01
75) Chrysene-d12	21.31	240	102600	20.00	ng	0.00
86) Perylene-d12	23.00	264	97077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	34712	18.96	ng	0.03
7) Phenol-d6	7.43	99	44569	19.30	ng	0.01
23) Nitrobenzene-d5	9.30	82	26221	11.75	ng	-0.01
41) 2,4,6-Tribromophenol	16.72	330	9579	18.95	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	49104	12.00	ng	-0.01
78) Terphenyl-d14	20.04	244	46943	10.53	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	14.72	152	14881	2.32	ng	# 92
49) Dimethylphthalate	14.64	163	10772	2.44	ng	# 96
70) Phenanthrene	17.84	178	119674	18.11	ng	99
71) Anthracene	17.92	178	34288	5.32	ng	95
74) Fluoranthene	19.49	202	264071	38.99	ng	97
77) Pyrene	19.77	202	224670	31.95	ng	# 95
80) Benzo(a)anthracene	21.29	228	129728	20.15	ng	99
82) Chrysene	21.34	228	93861	15.99	ng	97
85) Indeno(1,2,3-cd)pyrene	24.15	276	55689	8.95	ng	# 80
87) Benzo(b)fluoranthene	22.57	252	130939m	20.03	ng	
88) Benzo(k)fluoranthene	22.60	252	47594m	8.33	ng	
89) Benzo(a)pyrene	22.93	252	93936	16.29	ng	# 94
90) Dibenzo(a,h)anthracene	24.17	278	13474m	2.55	ng	
91) Benzo(a,h,i)perylene	24.45	276	54564	10.37	ng	95

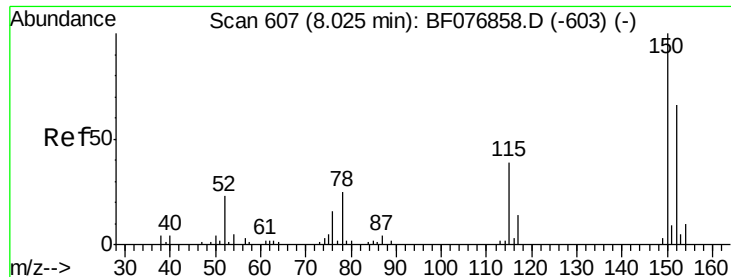
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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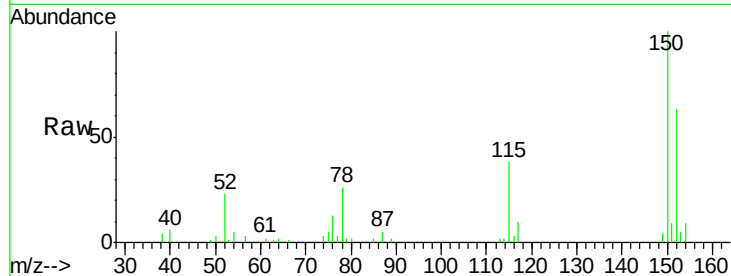


#1

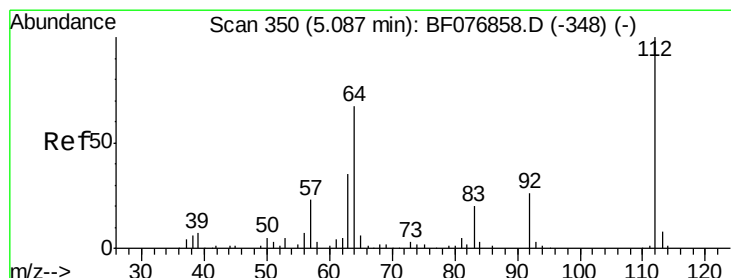
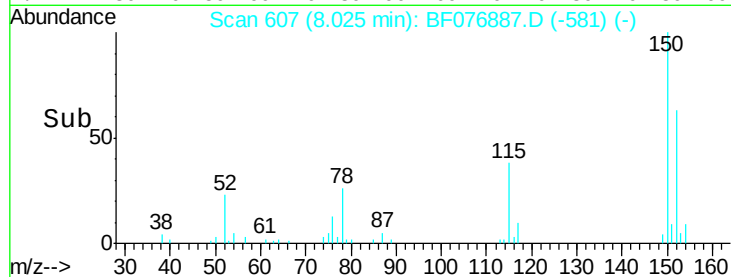
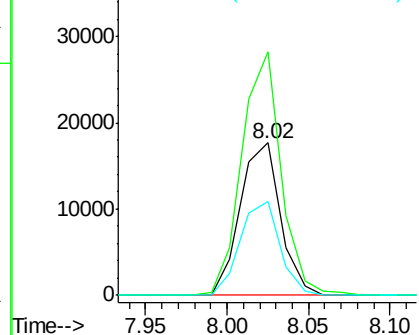
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Instrument :
BNA_F
ClientSampleId :
TP2-SS-2(6-8)

Tot Ion:152 Resp: 30102
Ion Ratio Lower Upper
152 100
150 160.0 121.7 182.5
115 61.5 47.0 70.6



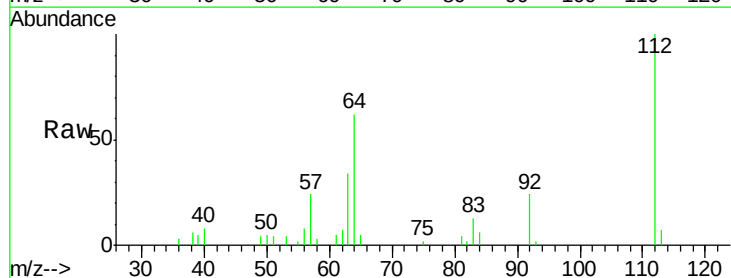
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



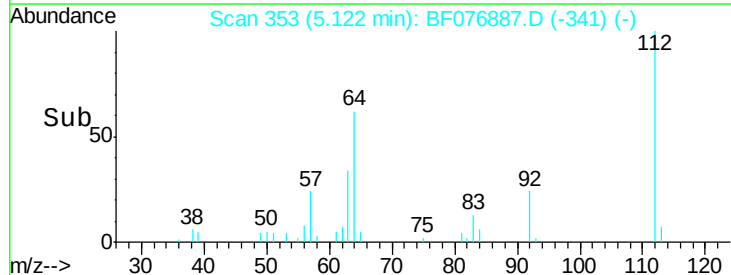
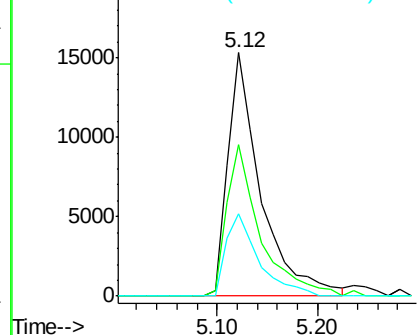
#5

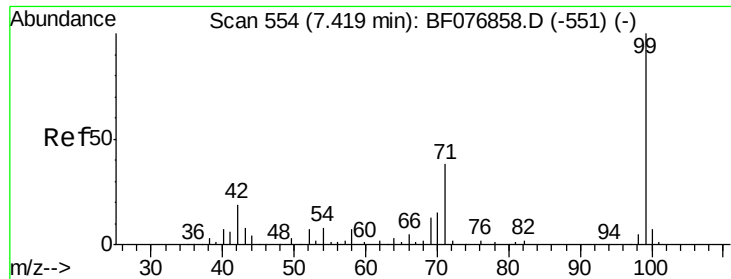
2-Fluorophenol
Concen: 18.96 ng
RT: 5.12 min Scan# 353
Delta R.T. 0.03 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Tgt Ion:112 Resp: 34712
Ion Ratio Lower Upper
112 100
64 62.1 54.2 81.4
63 33.9 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: 19.30 ng

RT: 7.43 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

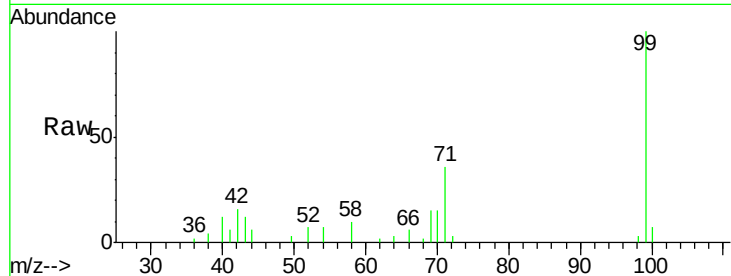
Tot Ion: 99 Resp: 44569

Ion Ratio Lower Upper

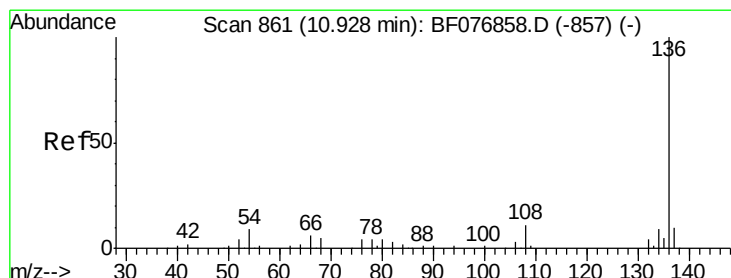
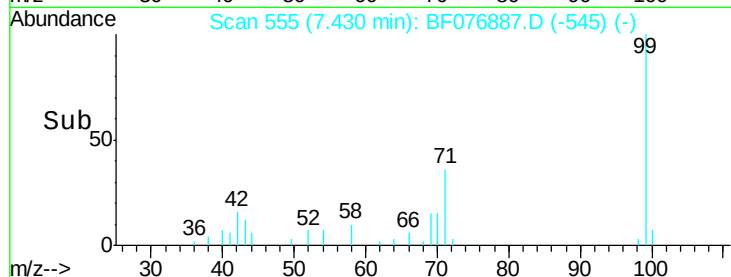
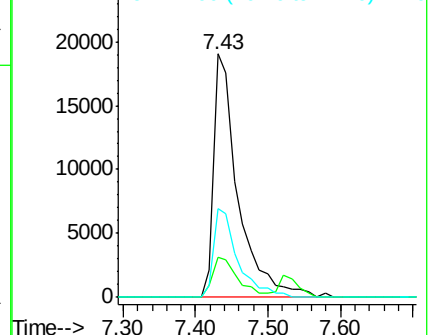
99 100

42 16.3 15.0 22.4

71 36.4 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: BF076887.D

Acq: 15 Jan 2015 16:49

Tgt Ion: 136 Resp: 123607

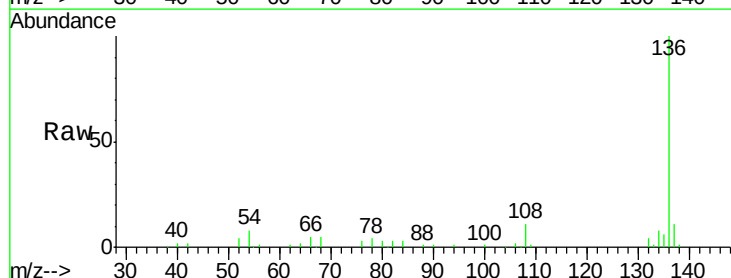
Ion Ratio Lower Upper

136 100

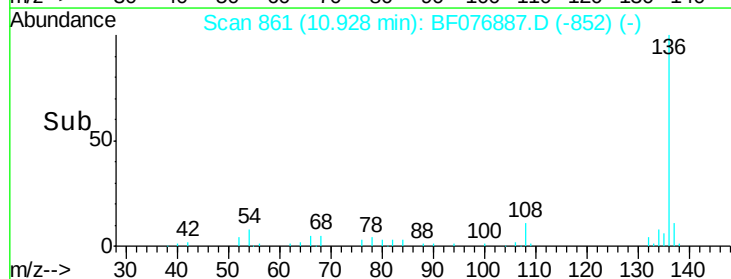
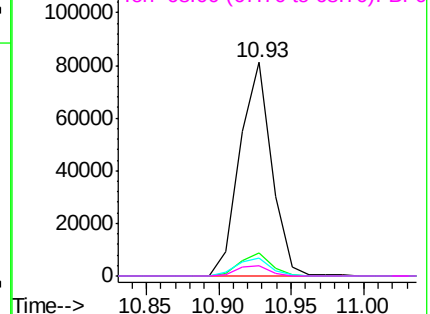
137 10.7 8.1 12.1

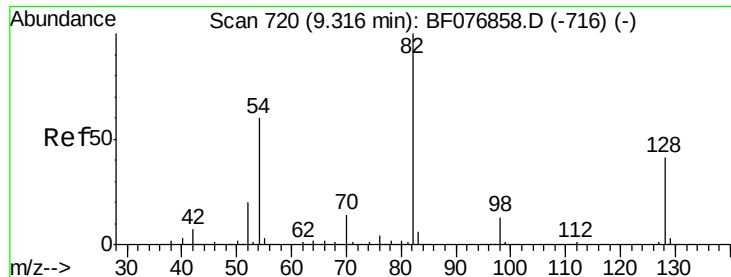
54 8.5 7.0 10.4

68 4.8 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

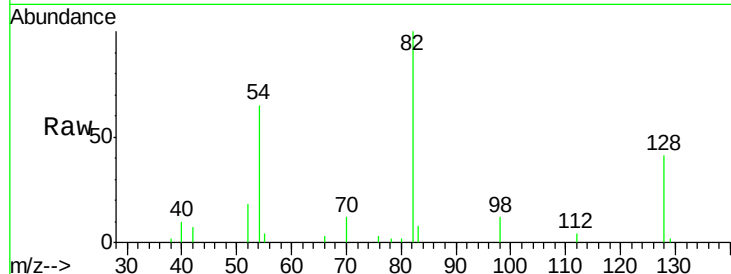




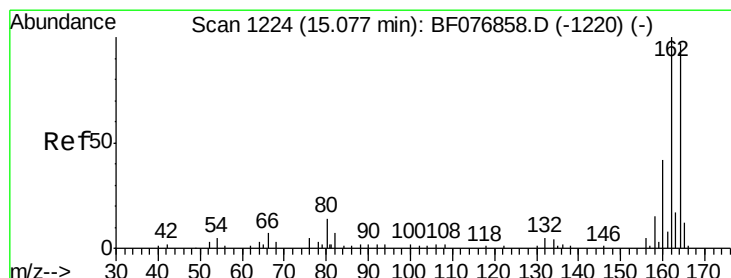
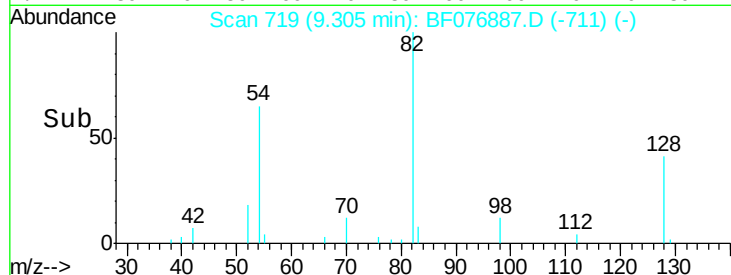
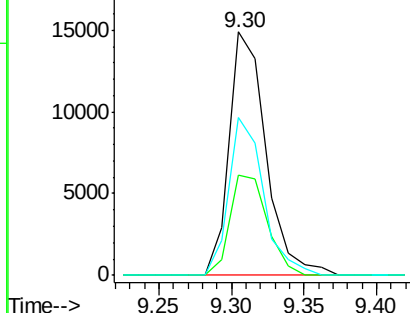
#23
Nitrobenzene-d5
Concen: 11.75 ng
RT: 9.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Instrument :
BNA_F
ClientSampleId :
TP2-SS-2(6-8)

Tot Ion	82	Resp	26221
Ion Ratio	Lower	Upper	
82	100		
128	41.4	33.1	49.7
54	64.8	48.3	72.5

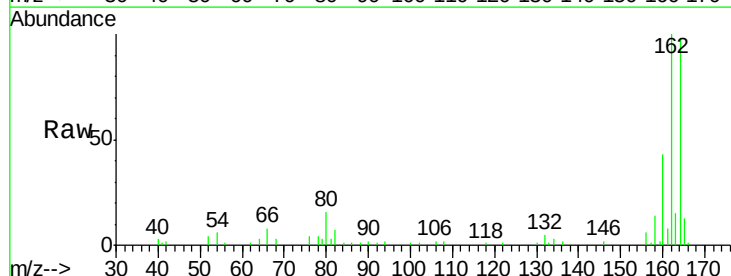


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

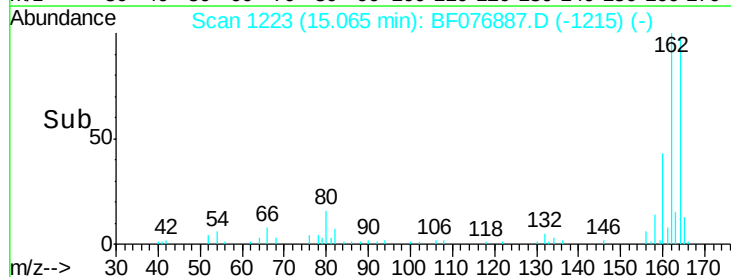
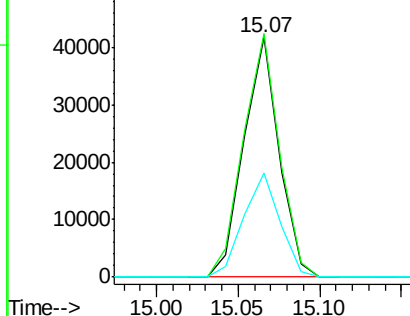


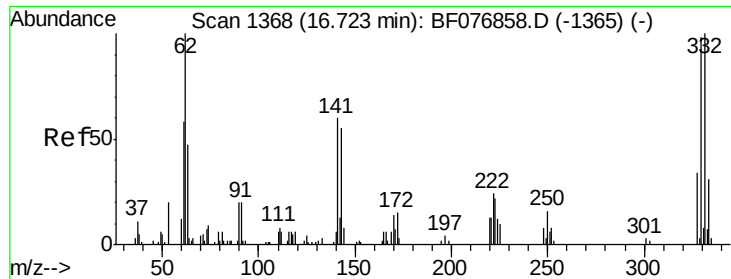
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.07 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Tgt Ion	164	Resp	62265
Ion Ratio	Lower	Upper	
164	100		
162	101.8	82.4	123.6
160	43.3	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: 18.95 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

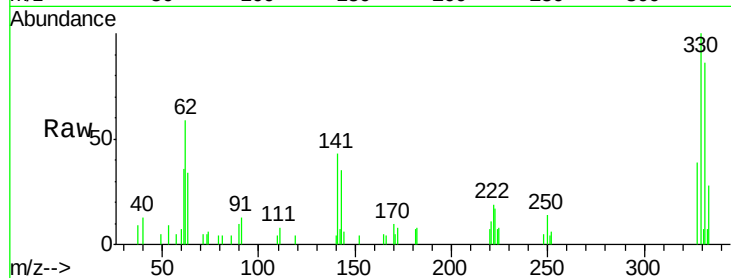
Tot Ion:330 Resp: 9579

Ion Ratio Lower Upper

330 100

332 92.8 77.8 116.6

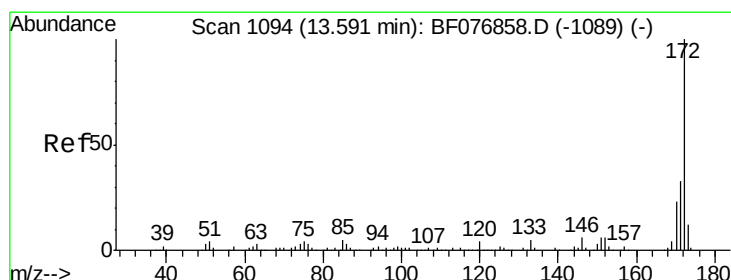
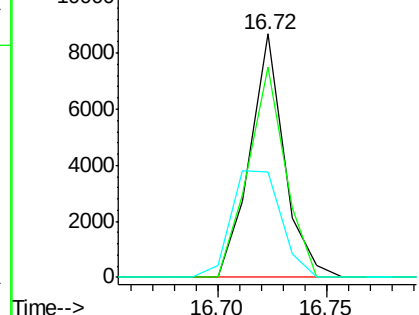
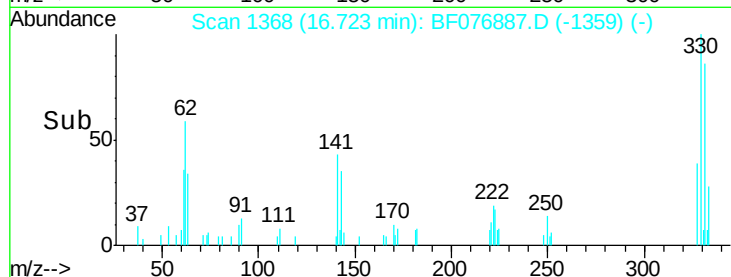
141 63.3 38.5 57.7#



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: 12.00 ng

RT: 13.58 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

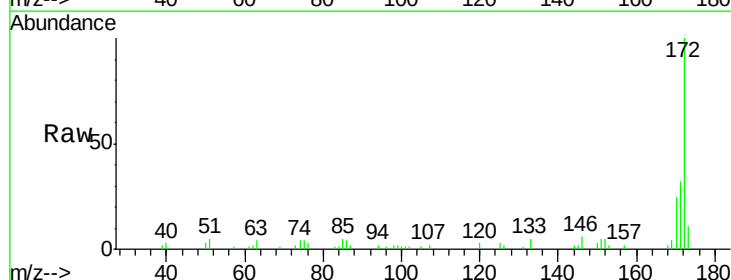
Tgt Ion:172 Resp: 49104

Ion Ratio Lower Upper

172 100

171 31.6 26.6 40.0

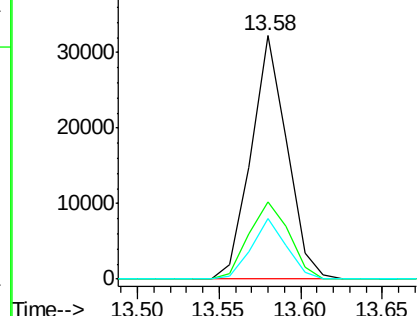
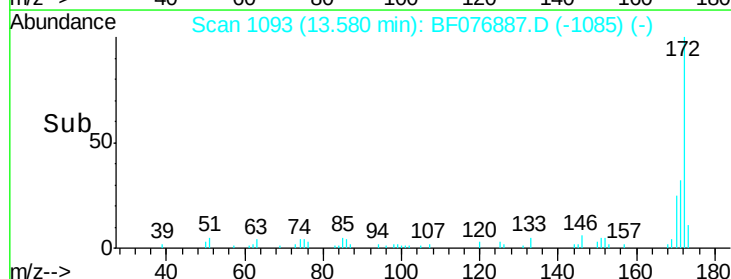
170 24.9 18.0 27.0

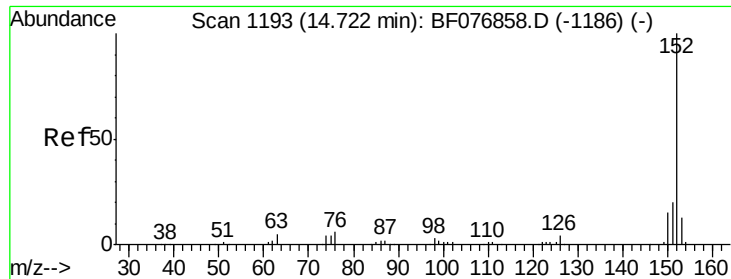


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.32 ng

RT: 14.72 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

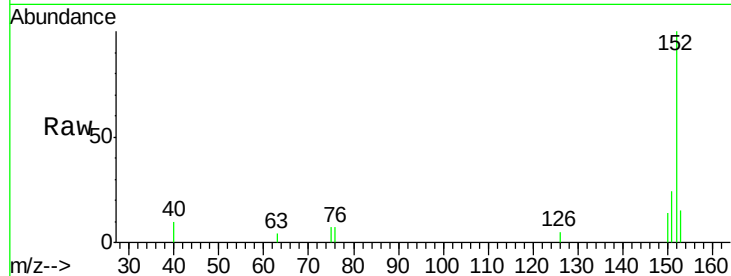
Tot Ion:152 Resp: 14881

Ion Ratio Lower Upper

152 100

151 24.2 15.9 23.9#

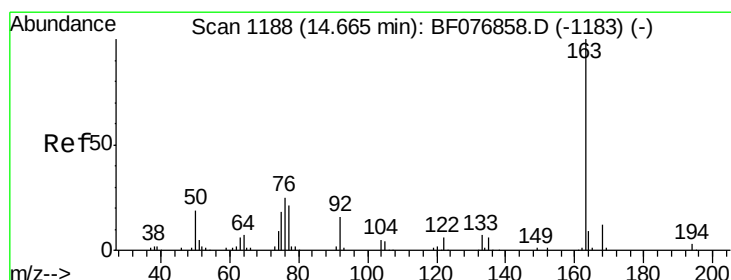
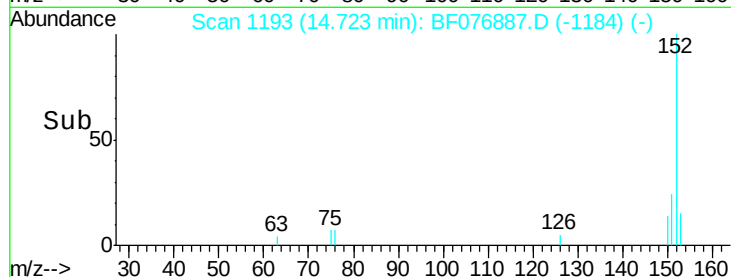
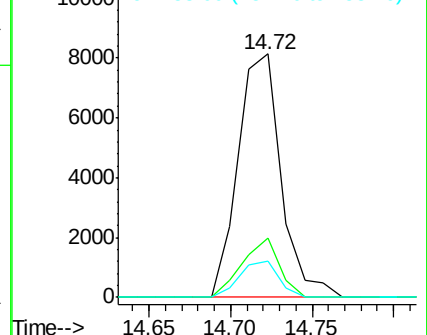
153 14.7 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.44 ng

RT: 14.64 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

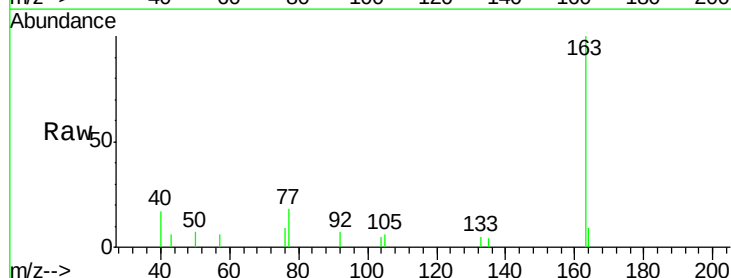
Tgt Ion:163 Resp: 10772

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

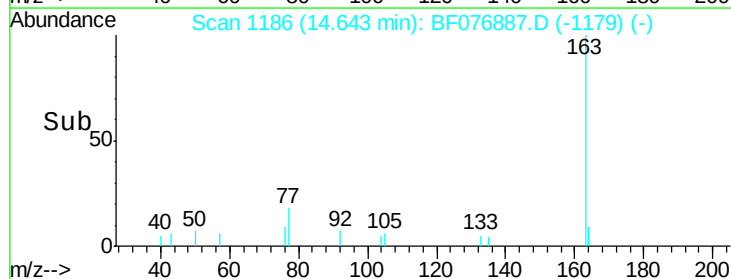
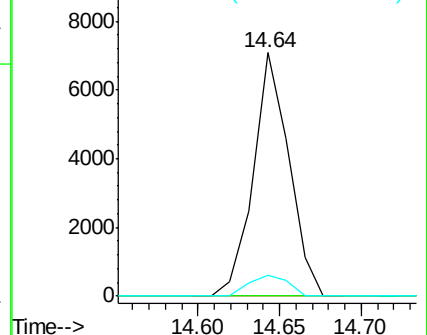
164 8.8 7.5 11.3

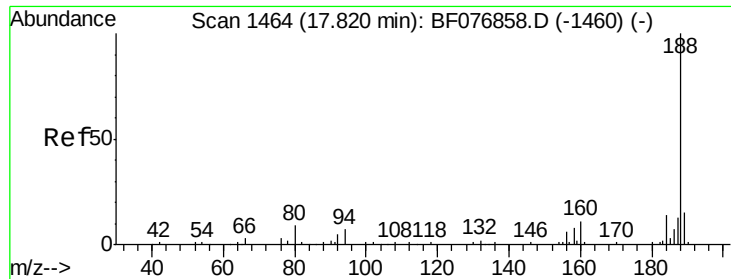


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

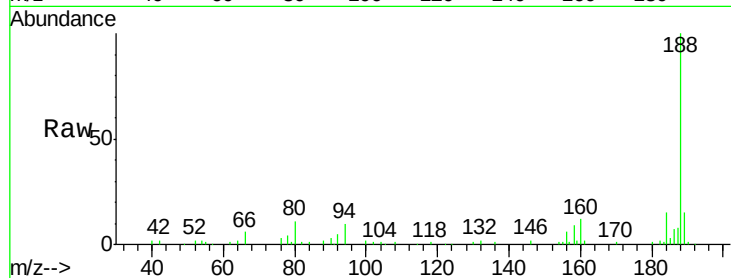




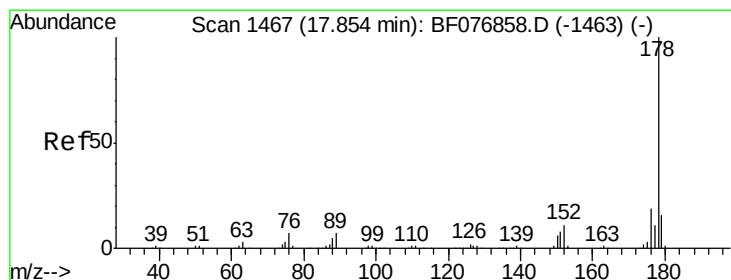
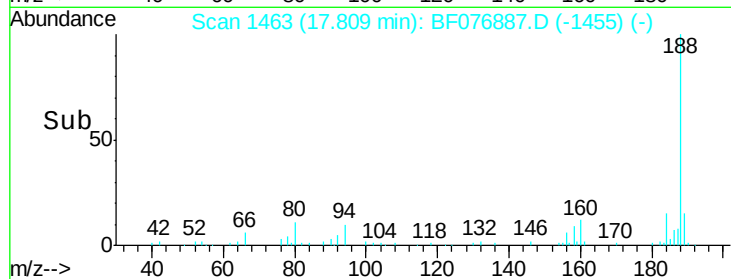
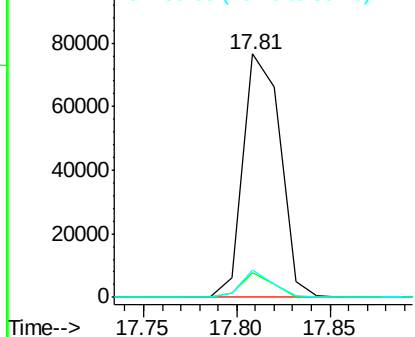
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.81 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Instrument :
BNA_F
ClientSampleId :
TP2-SS-2(6-8)

Tot Ion:188 Resp: 105983
Ion Ratio Lower Upper
188 100
94 10.1 6.0 9.0#
80 11.3 6.9 10.3#

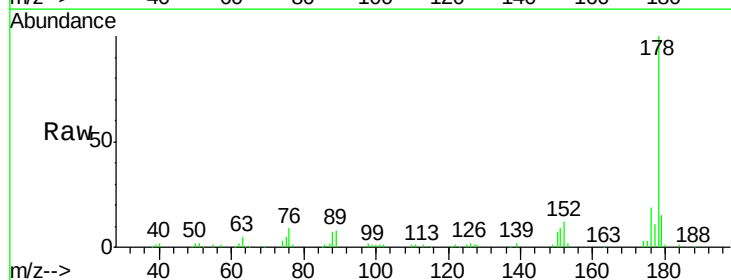


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

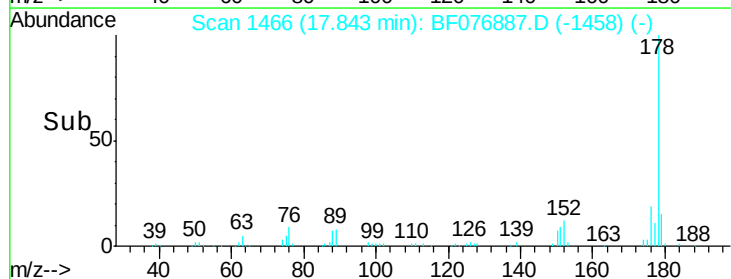
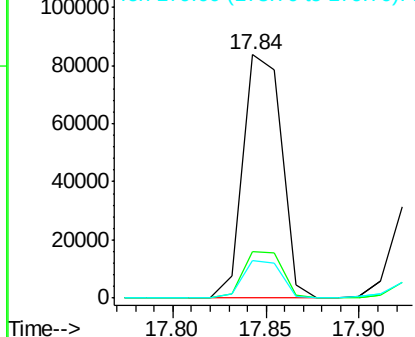


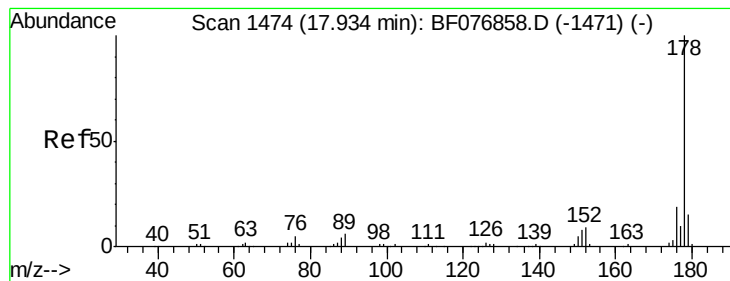
#70
Phenanthrene
Concen: 18.11 ng
RT: 17.84 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Tgt Ion:178 Resp: 119674
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.4 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: 5.32 ng

RT: 17.92 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

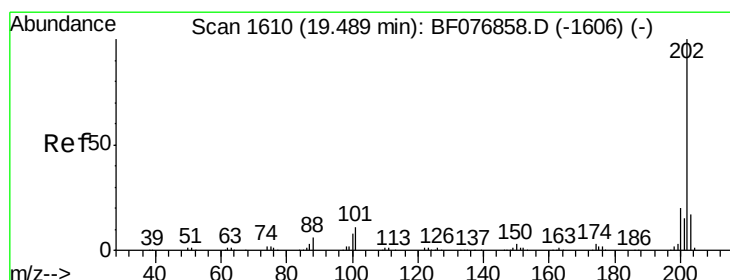
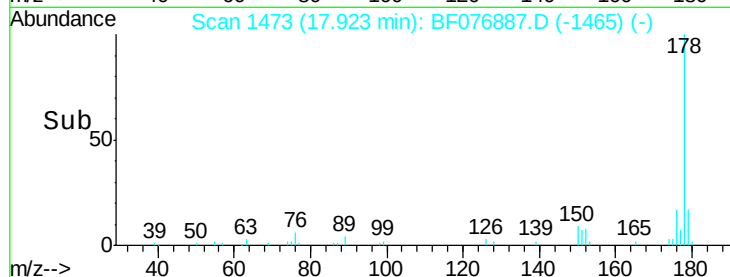
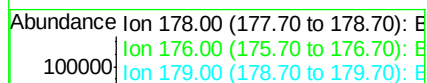
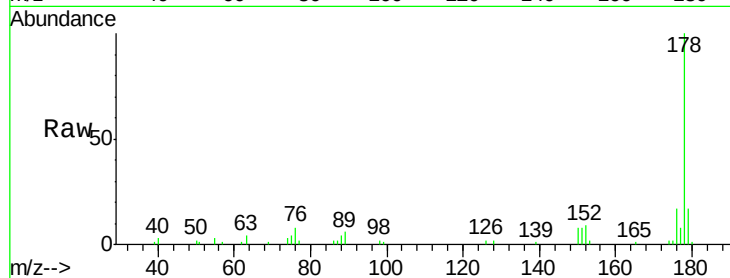
Tot Ion:178 Resp: 34288

Ion Ratio Lower Upper

178 100

176 17.0 15.4 23.0

179 16.6 11.9 17.9



#74

Fluoranthene

Concen: 38.99 ng

RT: 19.49 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

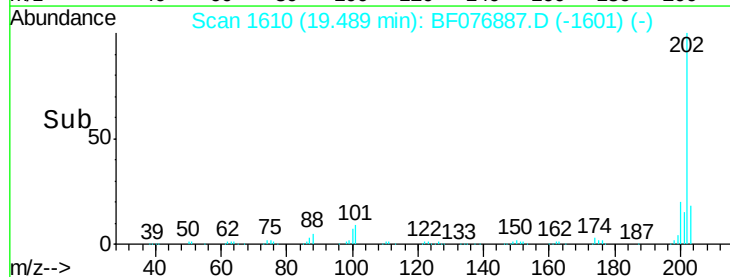
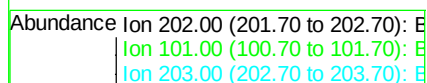
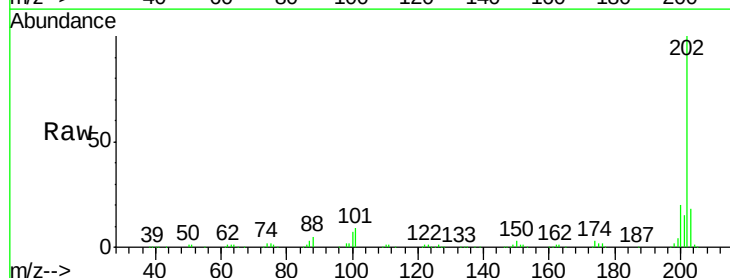
Tgt Ion:202 Resp: 264071

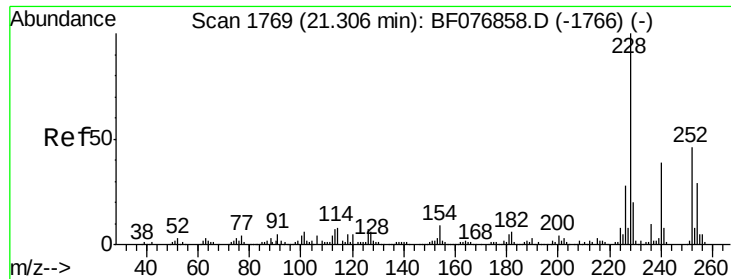
Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.7

203 18.0 0.0 36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.31 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

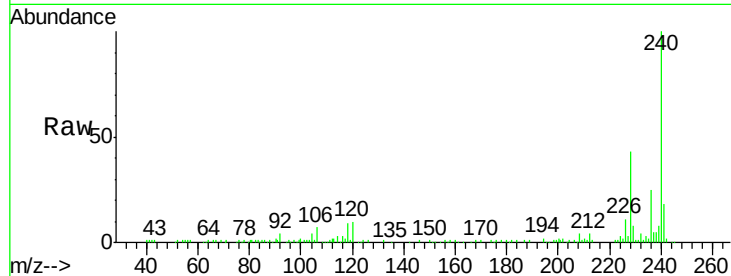
Tot Ion:240 Resp: 102600

Ion Ratio Lower Upper

240 100

120 10.1 10.4 15.6#

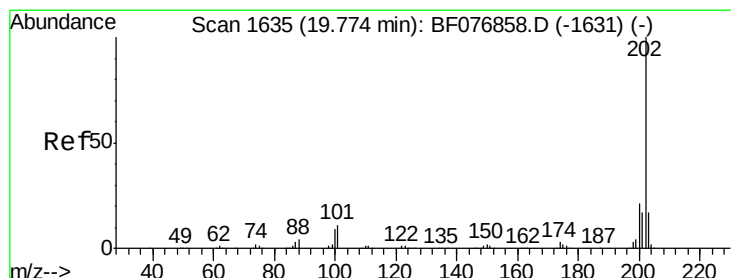
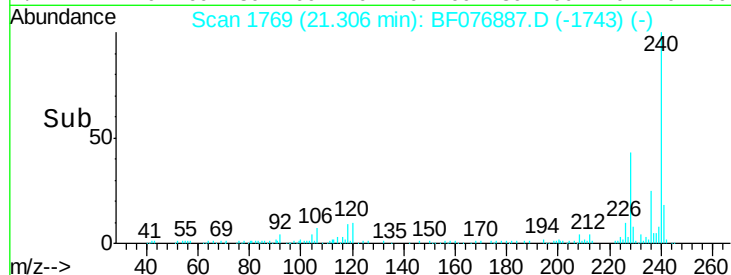
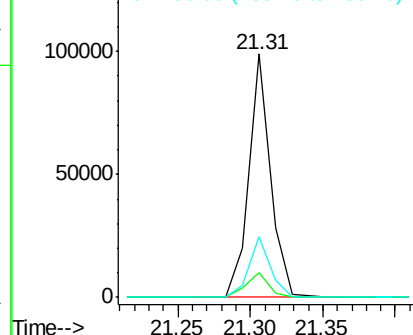
236 25.0 20.2 30.2



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: 31.95 ng

RT: 19.77 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

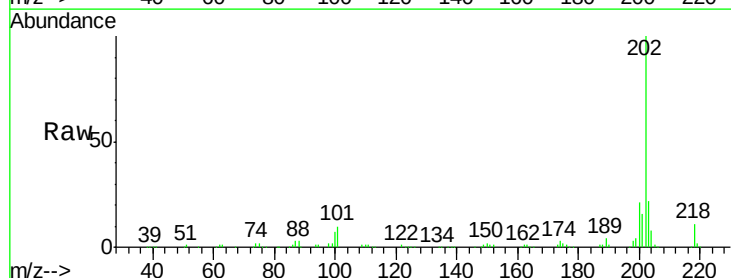
Tgt Ion:202 Resp: 224670

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

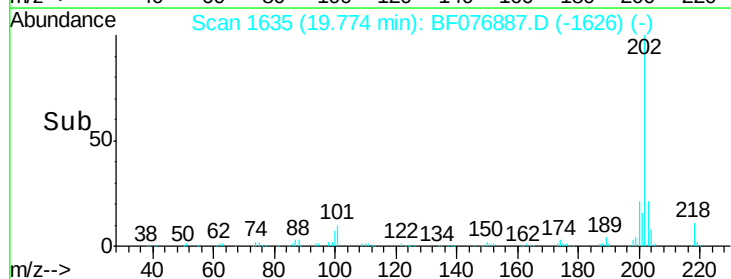
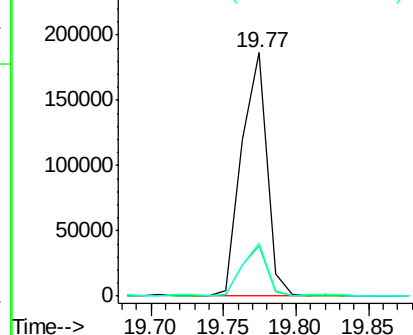
203 21.9 14.0 21.0#

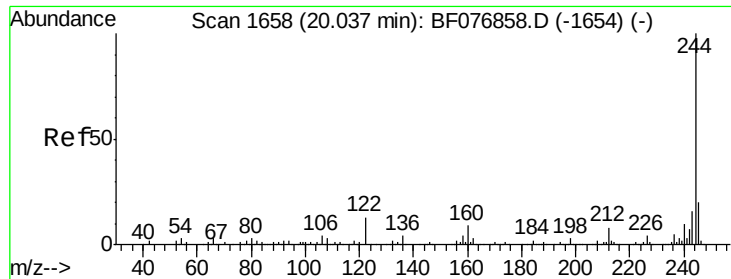


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.53 ng

RT: 20.04 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

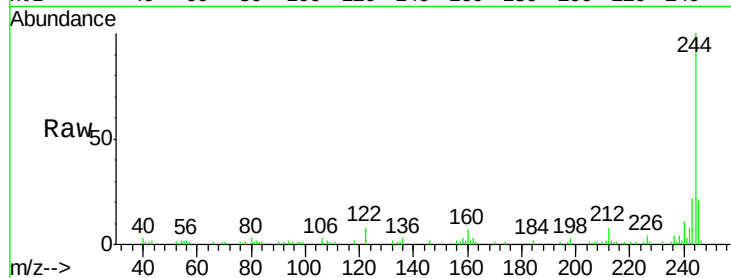
Tot Ion:244 Resp: 46943

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

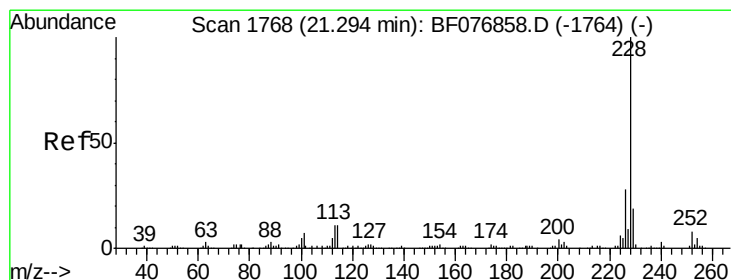
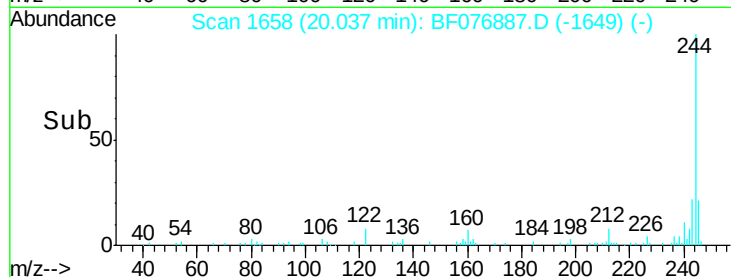
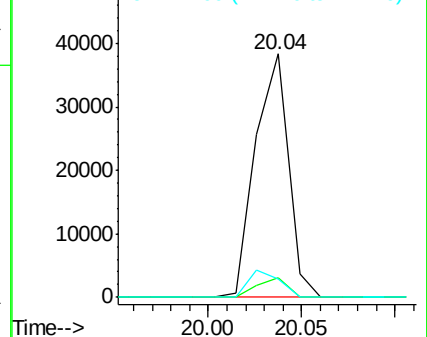
122 7.6 10.1 15.1#



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: 20.15 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

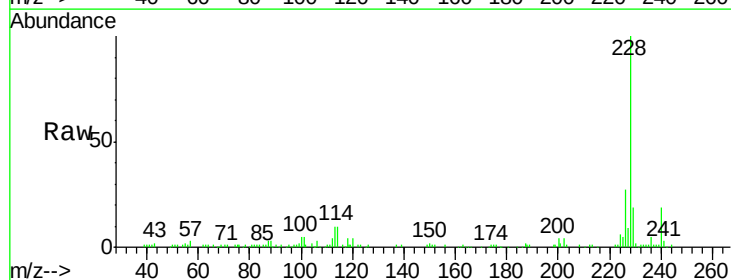
Tgt Ion:228 Resp: 129728

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

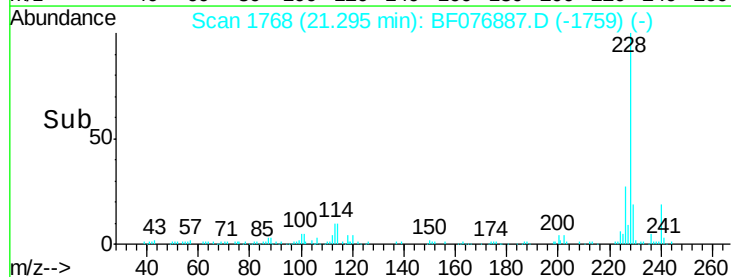
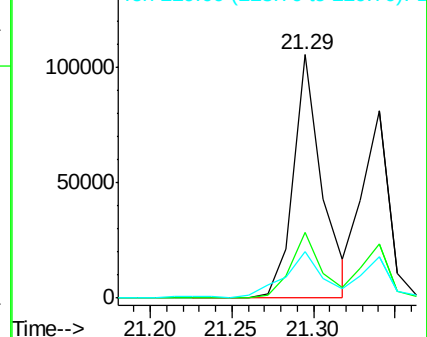
229 19.1 15.5 23.3

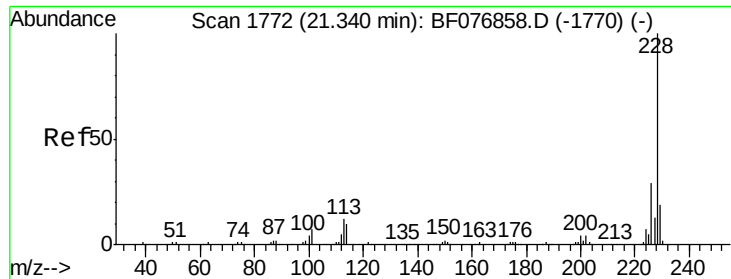


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

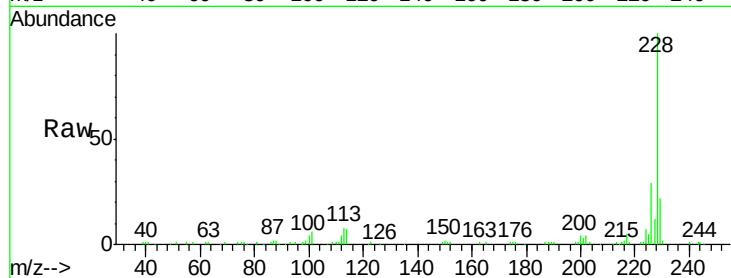




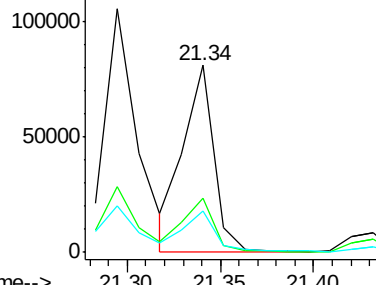
#82
Chrysene
Concen: 15.99 ng
RT: 21.34 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Instrument :
BNA_F
ClientSampleId :
TP2-SS-2(6-8)

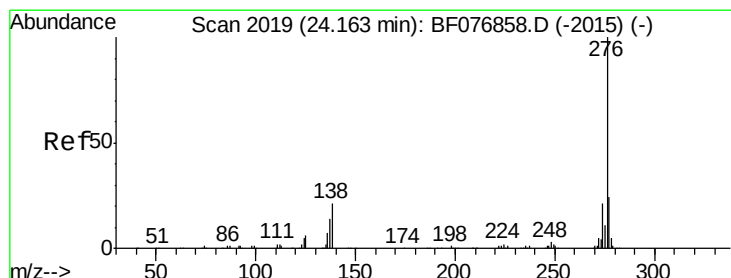
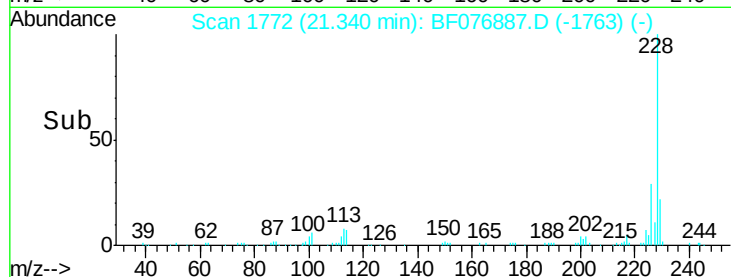
Tot Ion:228 Resp: 93861
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.0
229 22.1 15.4 23.0



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

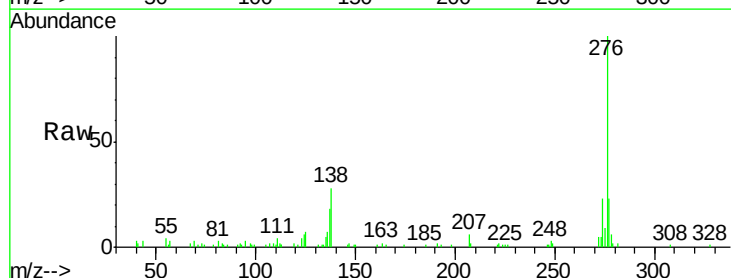


Time-->

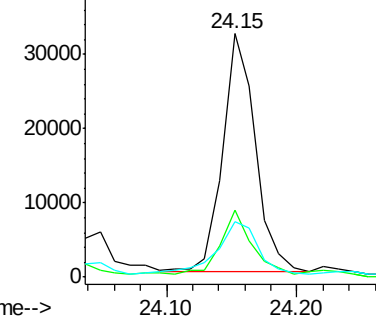


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.95 ng
RT: 24.15 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

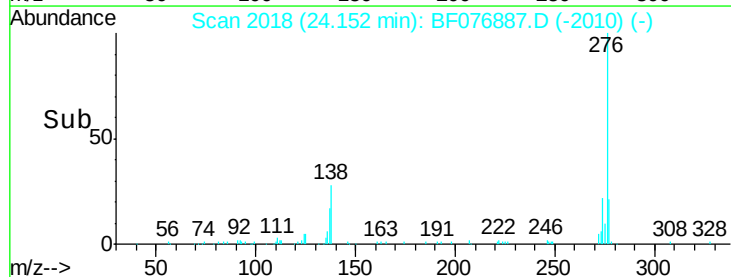
Tgt Ion:276 Resp: 55689
Ion Ratio Lower Upper
276 100
138 26.0 14.6 22.0#
277 28.5 14.8 22.2#

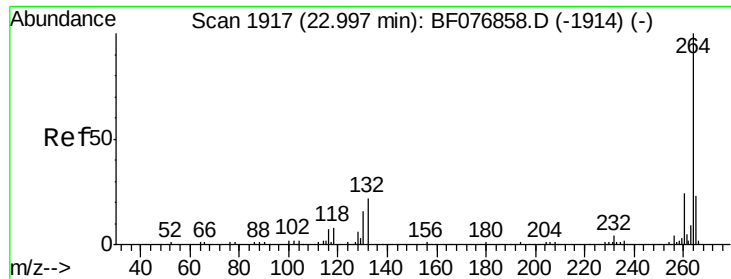


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->

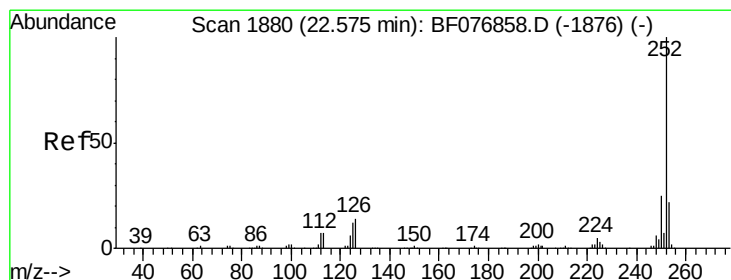
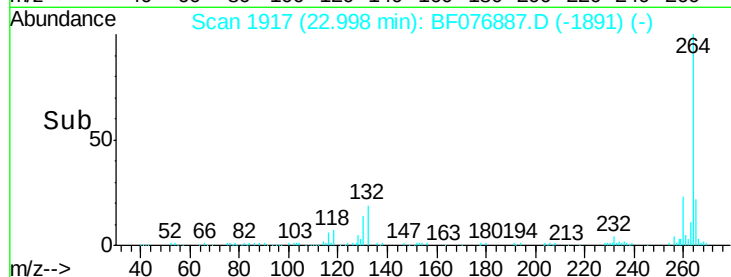
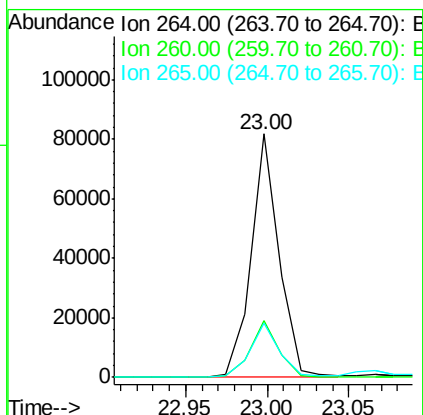
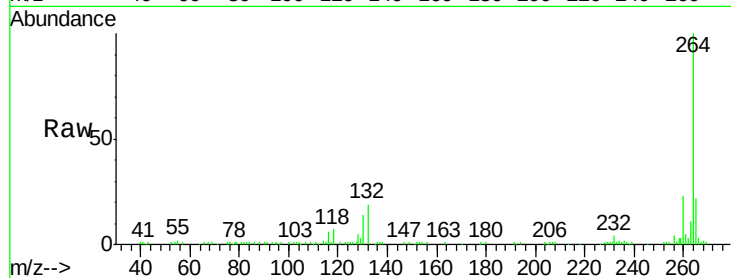




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

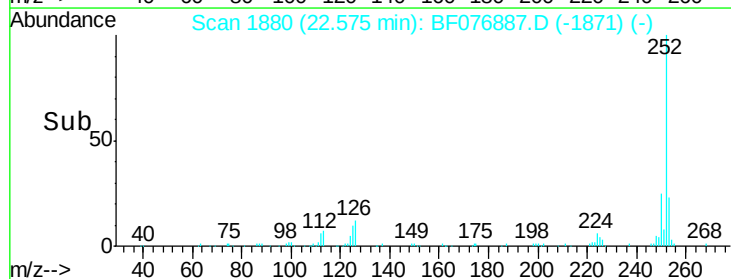
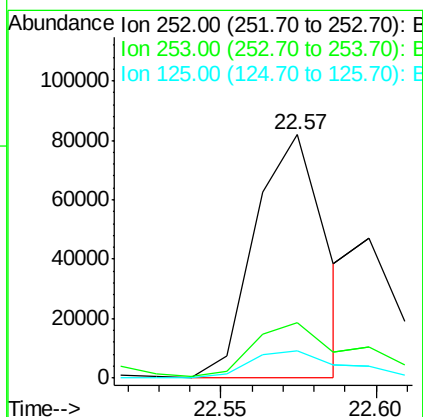
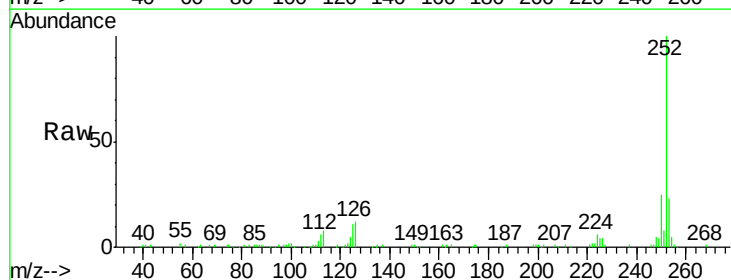
Instrument :
BNA_F
ClientSampleId :
TP2-SS-2(6-8)

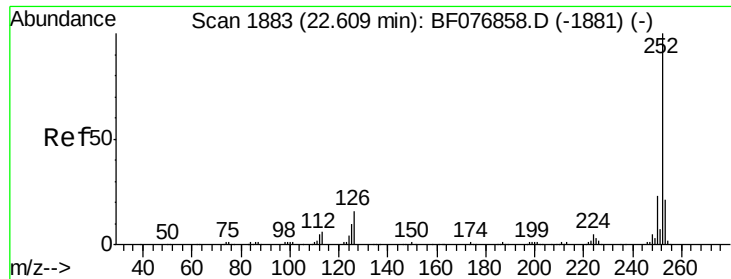
Tot Ion:264 Resp: 97077
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 22.2 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 20.03 ng m
RT: 22.57 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BF076887.D
Acq: 15 Jan 2015 16:49

Tgt Ion:252 Resp: 130939
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.0 9.4 14.0





#88

Benzo(k)fluoranthene

Concen: 8.33 ng

RT: 22.60 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

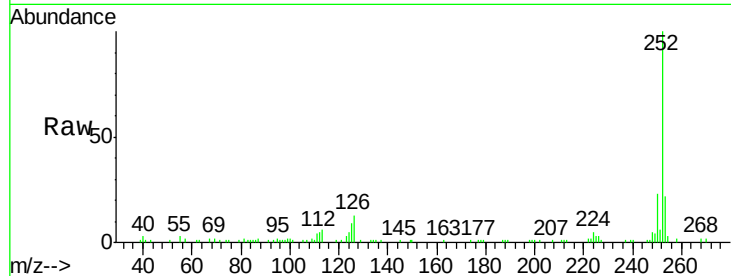
Tot Ion:252 Resp: 47594

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

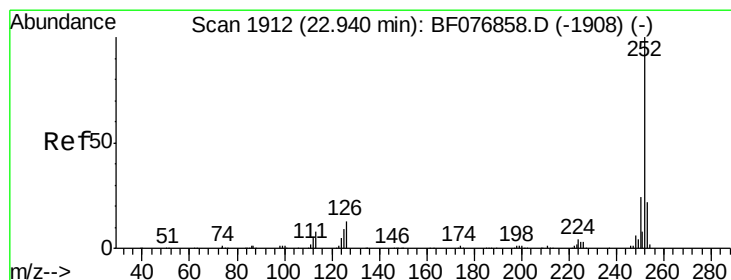
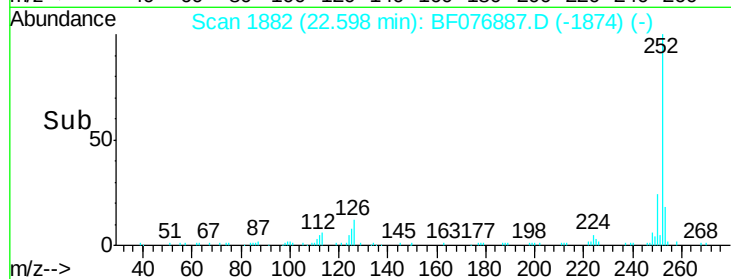
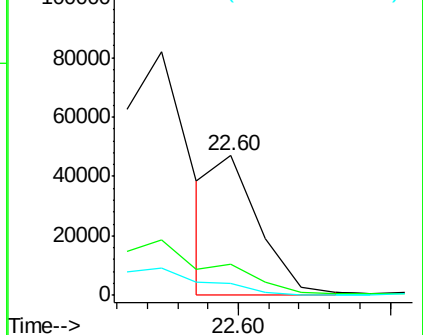
125 8.7 7.1 10.7



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: 16.29 ng

RT: 22.93 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

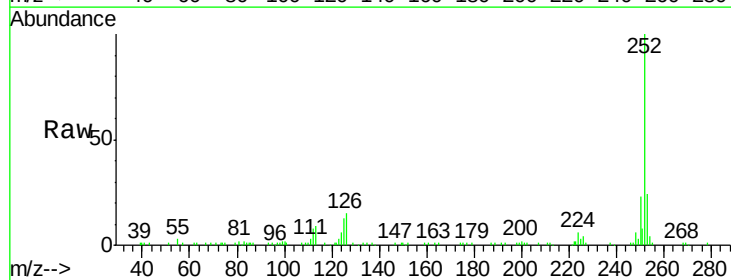
Tgt Ion:252 Resp: 93936

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

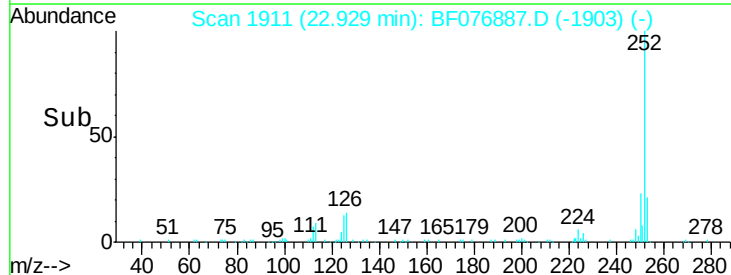
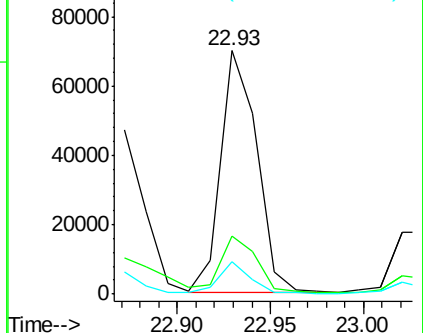
125 13.4 7.2 10.8#

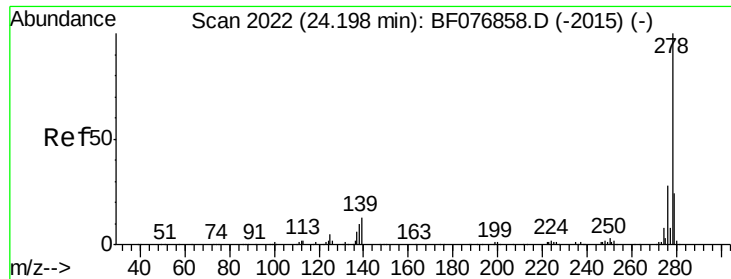


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng/mL

RT: 24.17 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

Instrument :

BNA_F

ClientSampleId :

TP2-SS-2(6-8)

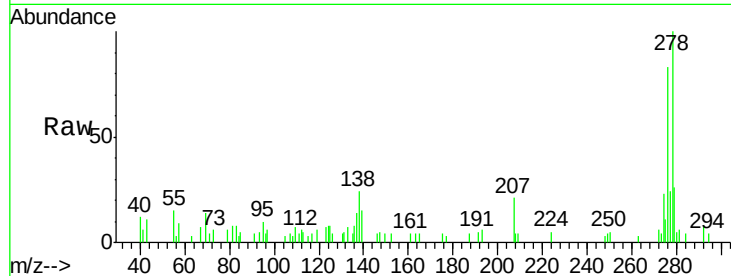
Tot Ion:278 Resp: 13474

Ion Ratio Lower Upper

278 100

139 15.4 10.5 15.7

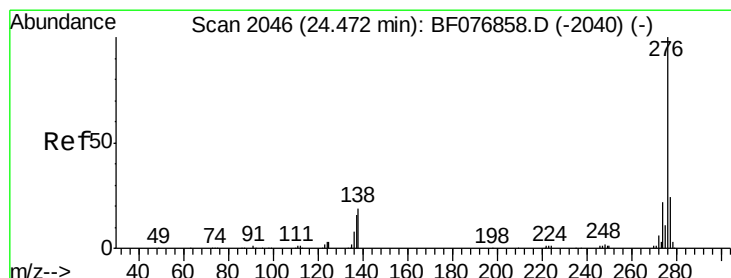
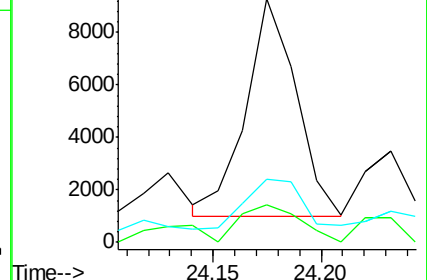
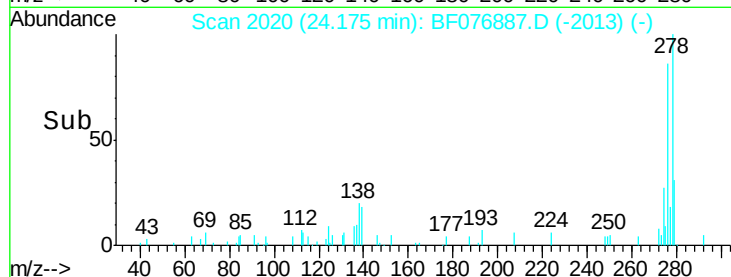
279 26.1 19.3 28.9



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: 10.37 ng/mL

RT: 24.45 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF076887.D

Acq: 15 Jan 2015 16:49

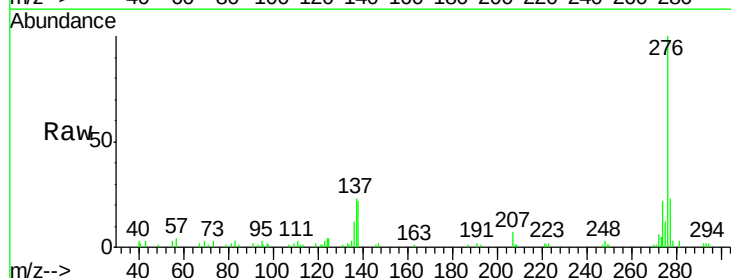
Tgt Ion:276 Resp: 54564

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 22.4 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

