

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076885.D
 Acq On : 15 Jan 2015 15:39
 Operator : IZ / TP
 Sample : G1030-15DL 5X
 Misc : S
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)DL

Quant Time: Jan 16 10:13:46 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	28856	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	126573	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	65097	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	106475	20.00	ng	0.00
75) Chrysene-d12	21.31	240	110372	20.00	ng	0.00
86) Perylene-d12	23.03	264	104803	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	39505	22.51	ng	0.01
7) Phenol-d6	7.42	99	50254	22.70	ng	0.00
23) Nitrobenzene-d5	9.32	82	31178	13.65	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	10478	19.83	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	55169	12.90	ng	-0.01
78) Terphenyl-d14	20.04	244	56263	11.74	ng	0.00

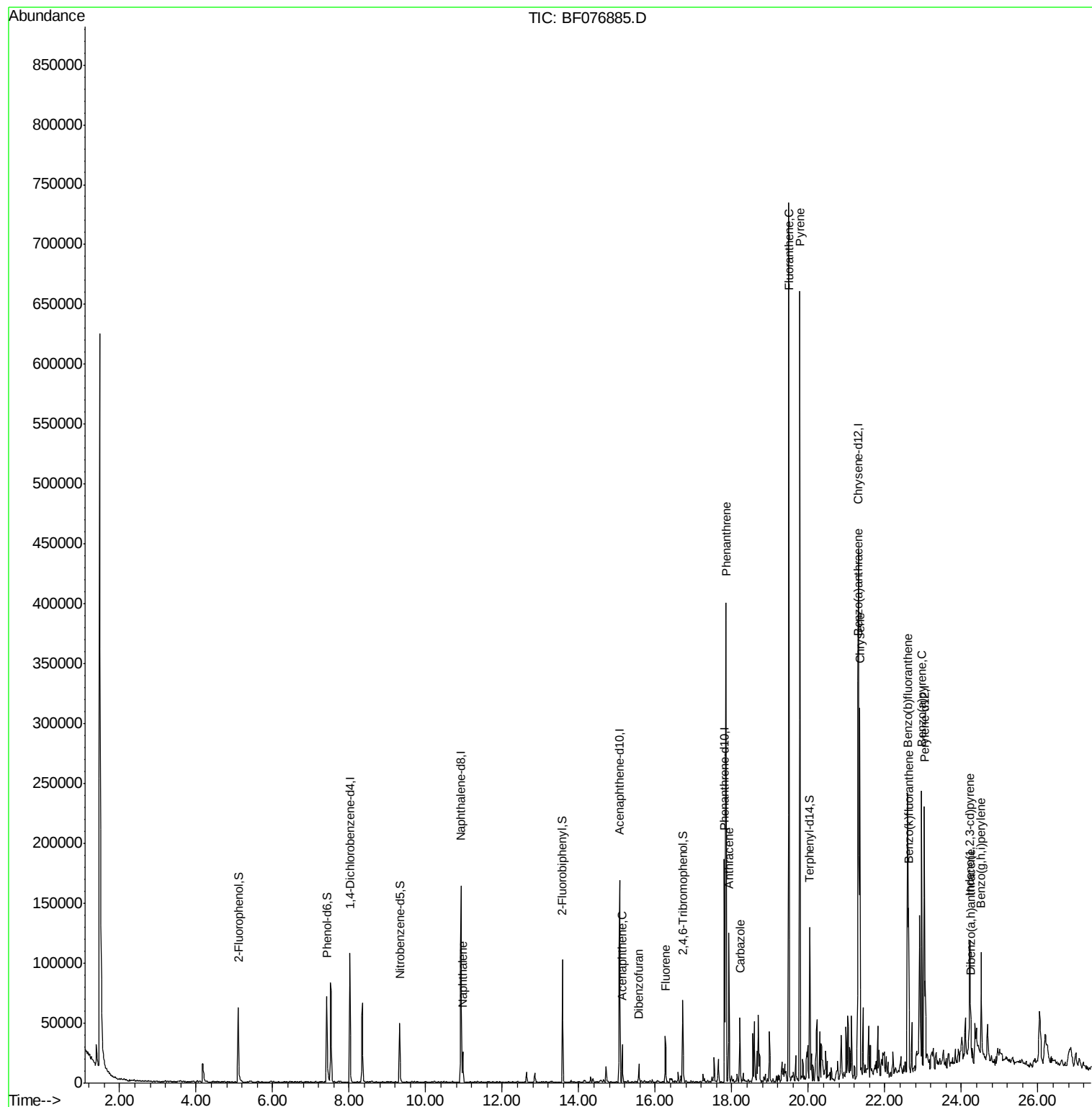
Target Compounds				Qvalue		
31) Naphthalene	10.97	128	19127	2.94	ng	97
51) Acenaphthene	15.13	154	13475	3.55	ng	95
54) Dibenzofuran	15.57	168	14002	2.53	ng	91
57) Fluorene	16.27	166	18335	3.91	ng	96
70) Phenanthrene	17.85	178	249348	37.55	ng	98
71) Anthracene	17.92	178	60939	9.41	ng	98
72) Carbazole	18.21	167	30225	4.81	ng	97
74) Fluoranthene	19.49	202	333030	48.95	ng	99
77) Pyrene	19.77	202	268376	35.48	ng	# 95
80) Benzo(a)anthracene	21.29	228	149448	21.58	ng	99
82) Chrysene	21.34	228	113238	17.93	ng	97
85) Indeno(1,2,3-cd)pyrene	24.22	276	70861m	10.59	ng	
87) Benzo(b)fluoranthene	22.60	252	150467m	21.32	ng	
88) Benzo(k)fluoranthene	22.62	252	52502m	8.51	ng	
89) Benzo(a)pyrene	22.96	252	107063	17.20	ng	# 97
90) Dibenzo(a,h)anthracene	24.24	278	13927	2.44	ng	# 81
91) Benzo(a,h,i)perylene	24.52	276	57805	10.18	ng	# 96

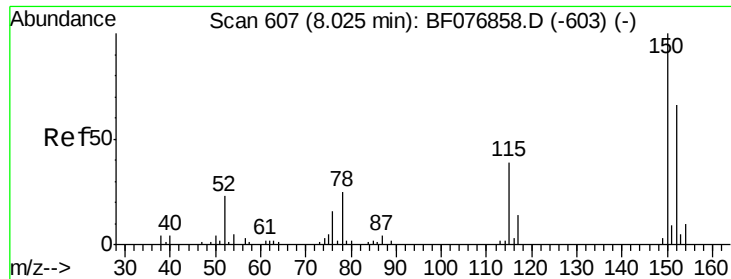
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076885.D
Acq On : 15 Jan 2015 15:39
Operator : IZ / TP
Sample : G1030-15DL 5X
Misc : S
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)DL

Quant Time: Jan 16 10:13:46 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



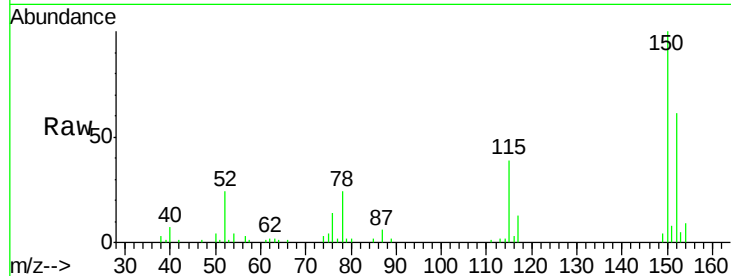


#1

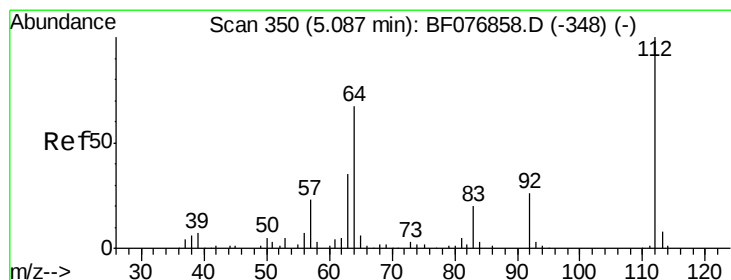
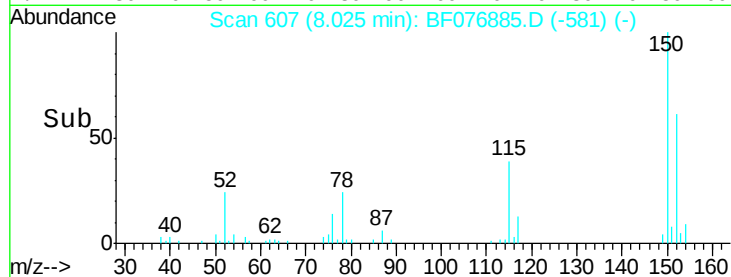
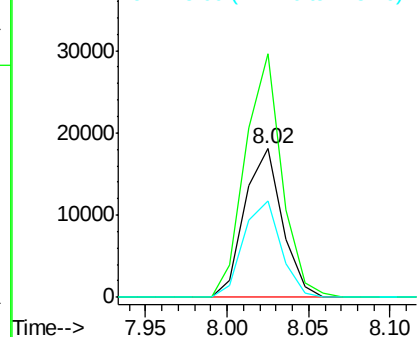
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)DL

Tot Ion:152 Resp: 28856
Ion Ratio Lower Upper
152 100
150 163.8 121.7 182.5
115 64.5 47.0 70.6



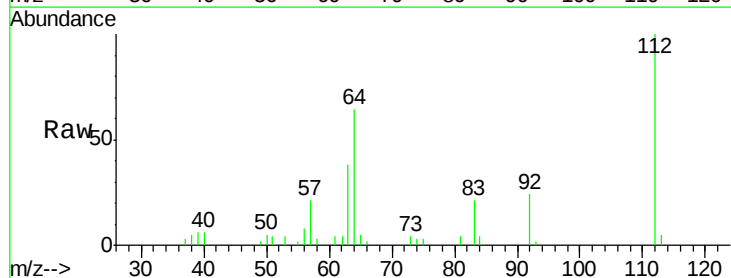
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



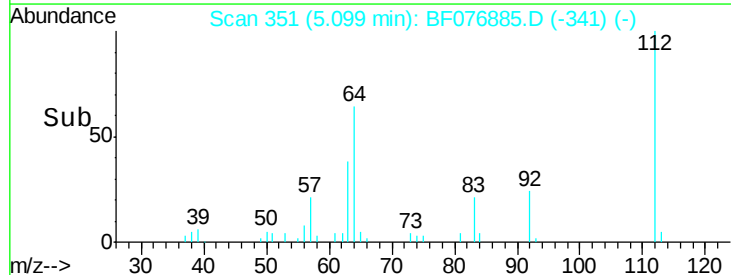
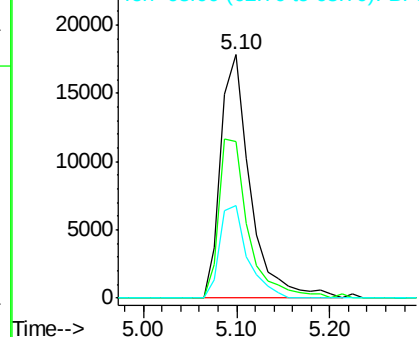
#5

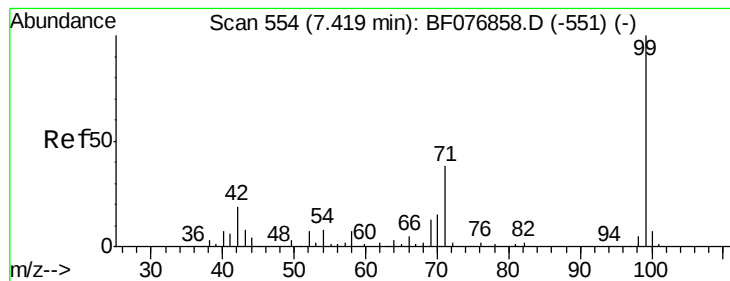
2-Fluorophenol
Concen: 22.51 ng
RT: 5.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Tgt Ion:112 Resp: 39505
Ion Ratio Lower Upper
112 100
64 64.1 54.2 81.4
63 38.1 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: 22.70 ng

RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleId :

TP5-SS-3(7-7.5)DL

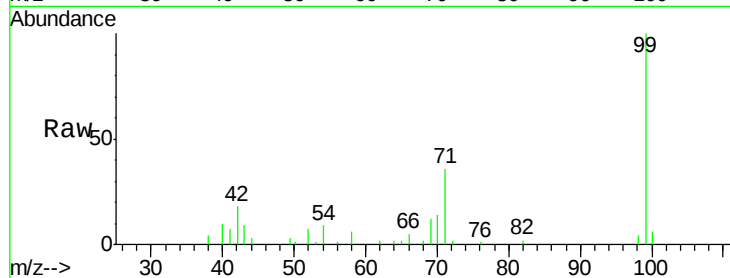
Tot Ion: 99 Resp: 50254

Ion Ratio Lower Upper

99 100

42 18.4 15.0 22.4

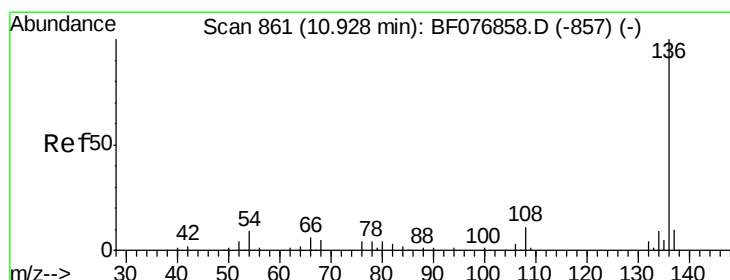
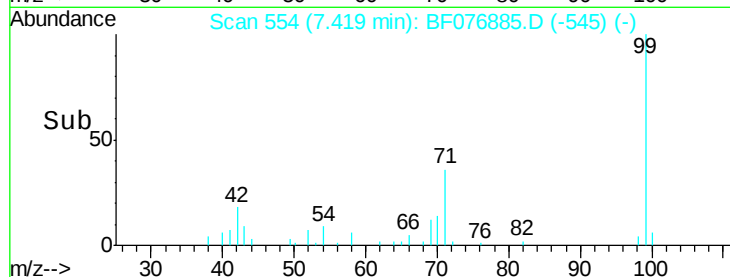
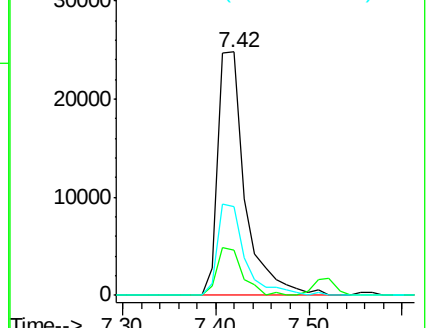
71 36.3 30.5 45.7



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: BF076885.D

Acq: 15 Jan 2015 15:39

Tgt Ion: 136 Resp: 126573

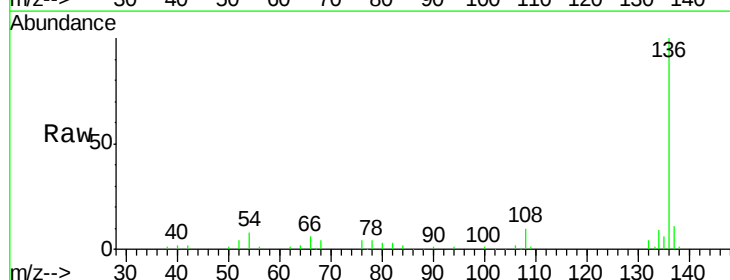
Ion Ratio Lower Upper

136 100

137 11.1 8.1 12.1

54 7.9 7.0 10.4

68 3.9 3.7 5.5

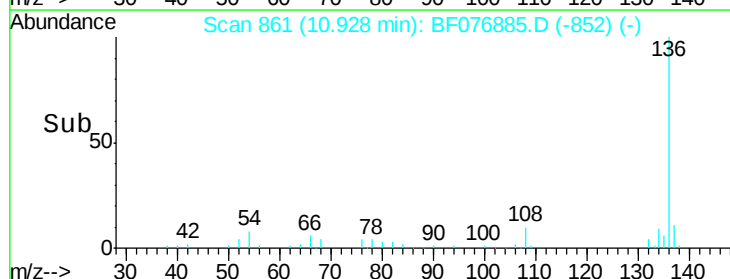
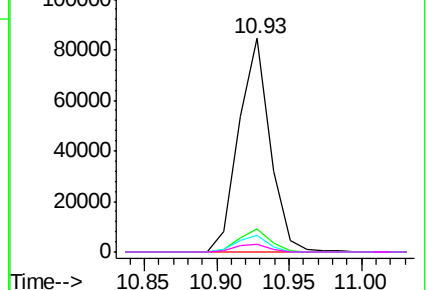


Abundance Ion 136.00 (135.70 to 136.70): E

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

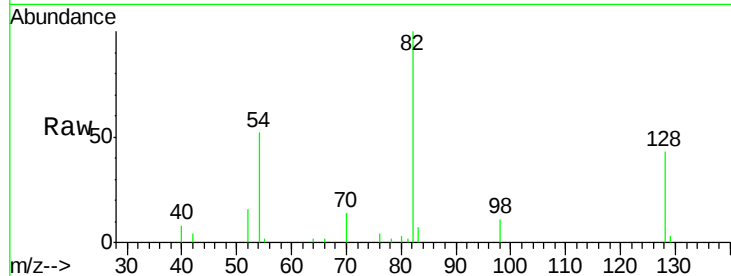




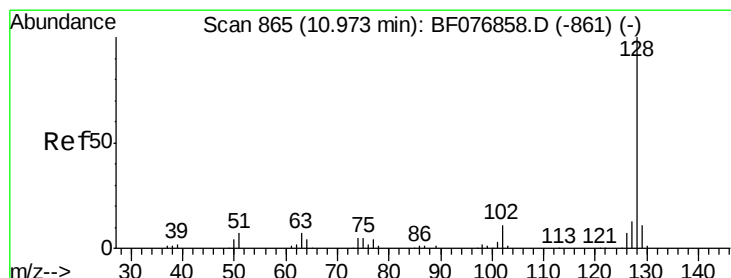
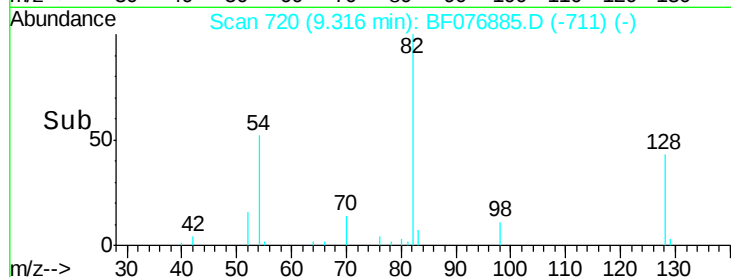
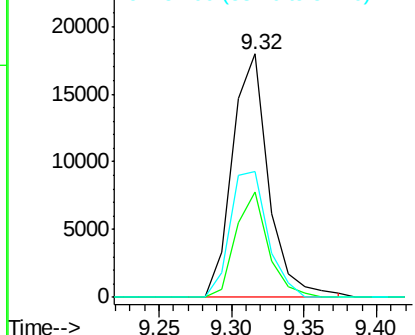
#23
Nitrobenzene-d5
Concen: 13.65 ng
RT: 9.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)DL

Tot Ion: 82 Resp: 31178
Ion Ratio Lower Upper
82 100
128 43.2 33.1 49.7
54 51.7 48.3 72.5

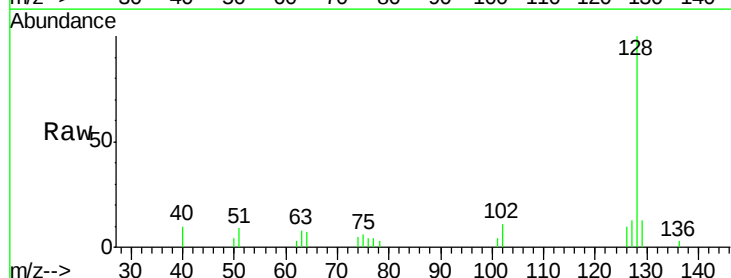


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

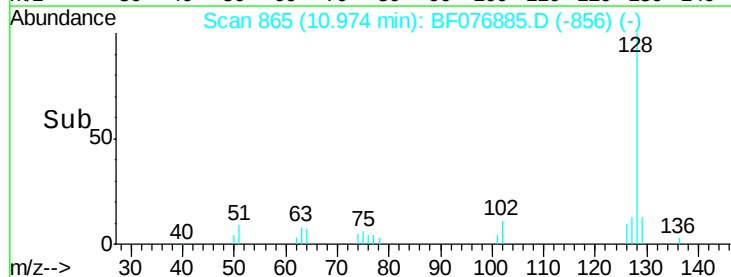
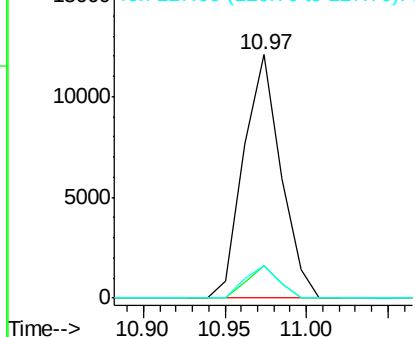


#31
Naphthalene
Concen: 2.94 ng
RT: 10.97 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Tgt Ion:128 Resp: 19127
Ion Ratio Lower Upper
128 100
129 13.1 9.0 13.6
127 13.3 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleId :

TP5-SS-3(7-7.5)DL

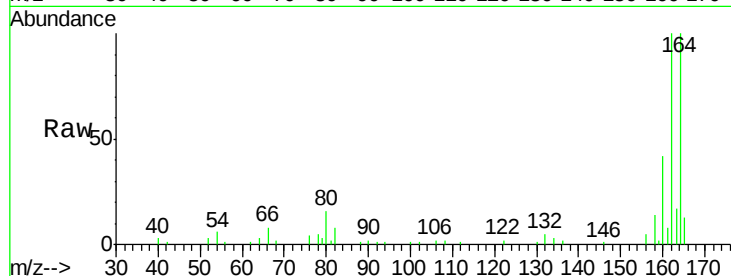
Tot Ion:164 Resp: 65097

Ion Ratio Lower Upper

164 100

162 99.6 82.4 123.6

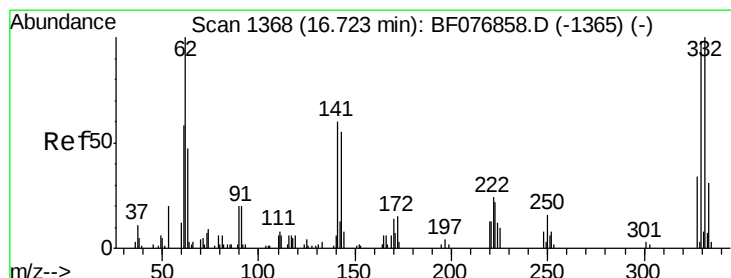
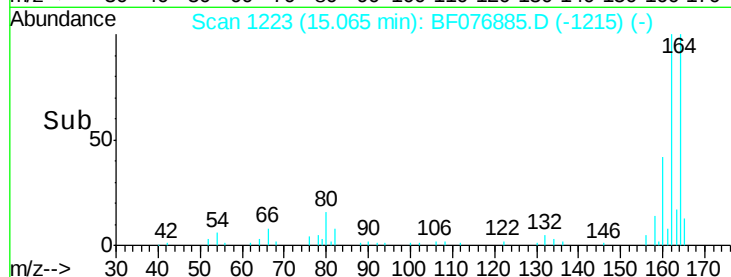
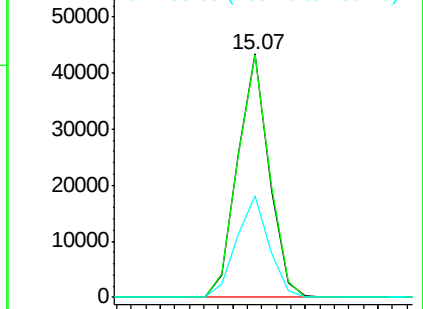
160 41.5 34.8 52.2



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: 19.83 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

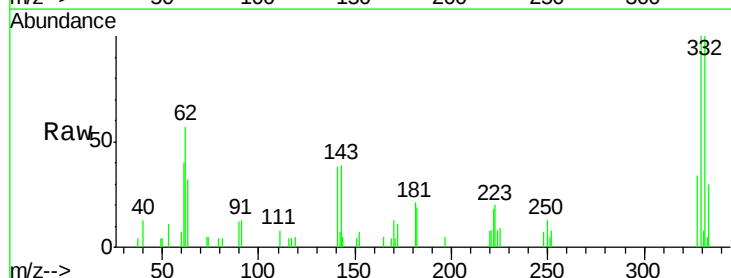
Tgt Ion:330 Resp: 10478

Ion Ratio Lower Upper

330 100

332 99.8 77.8 116.6

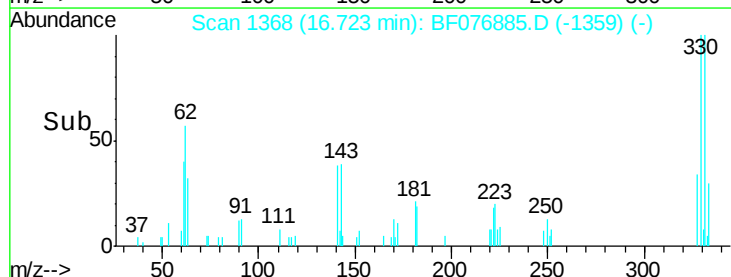
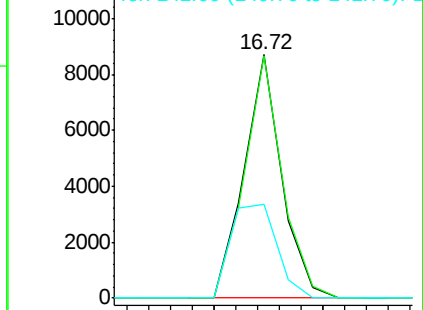
141 47.3 38.5 57.7

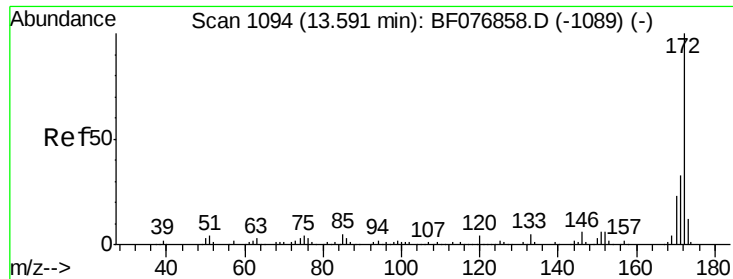


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

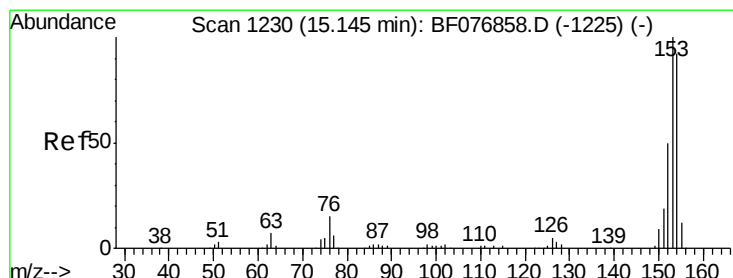
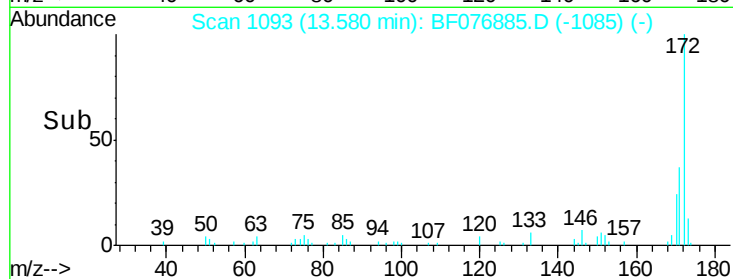
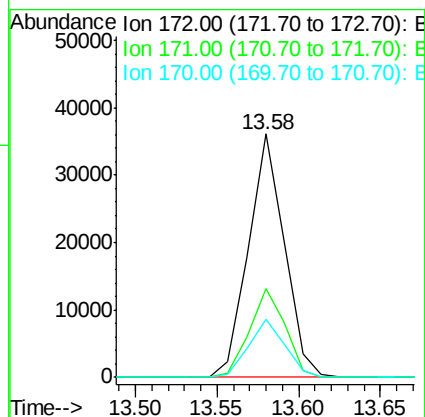
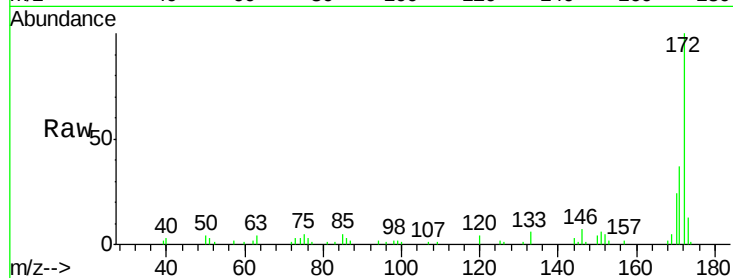




#44
2-Fluorobiphenyl
Concen: 12.90 ng
RT: 13.58 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

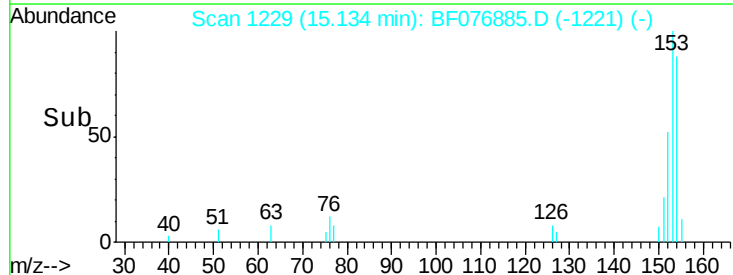
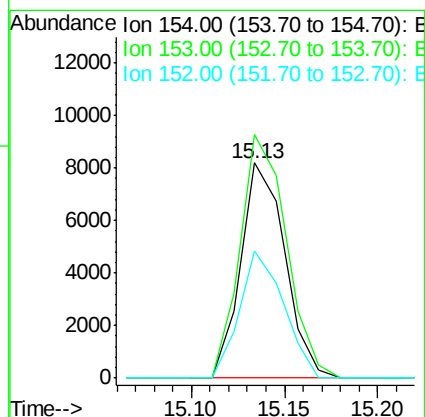
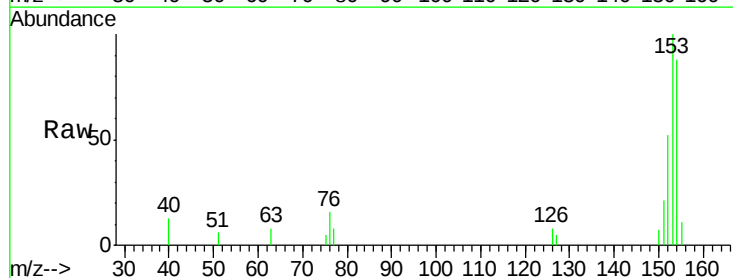
Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)DL

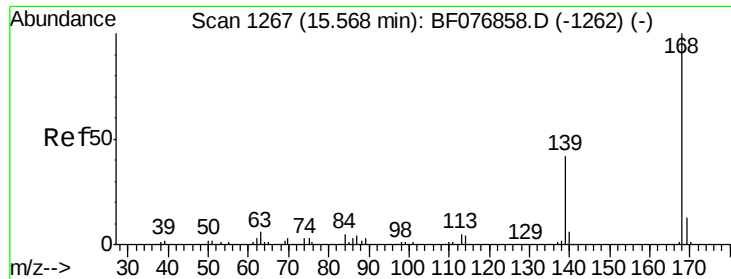
Tot Ion:172 Resp: 55169
Ion Ratio Lower Upper
172 100
171 36.7 26.6 40.0
170 23.9 18.0 27.0



#51
Acenaphthene
Concen: 3.55 ng
RT: 15.13 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Tgt Ion:154 Resp: 13475
Ion Ratio Lower Upper
154 100
153 113.1 87.0 130.6
152 59.3 43.5 65.3





#54

Dibenzo(furan)

Concen: 2.53 ng

RT: 15.57 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleId :

TP5-SS-3(7-7.5)DL

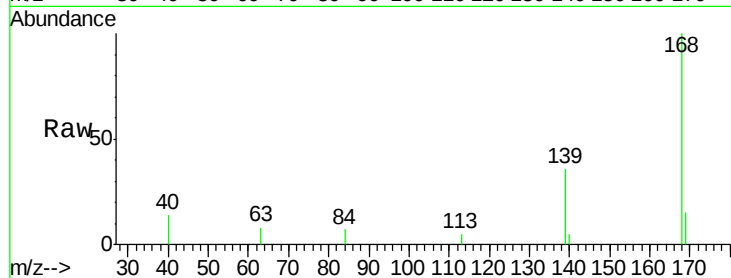
Tot Ion:168 Resp: 14002

Ion Ratio Lower Upper

168 100

139 35.7 33.4 50.2

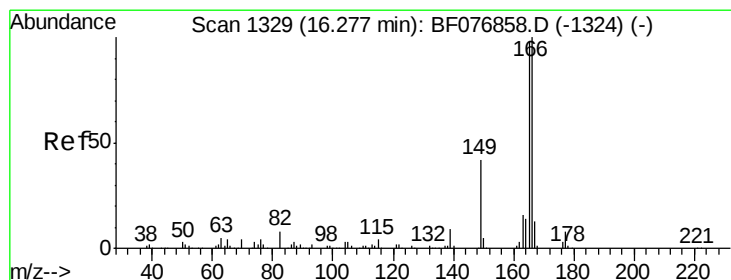
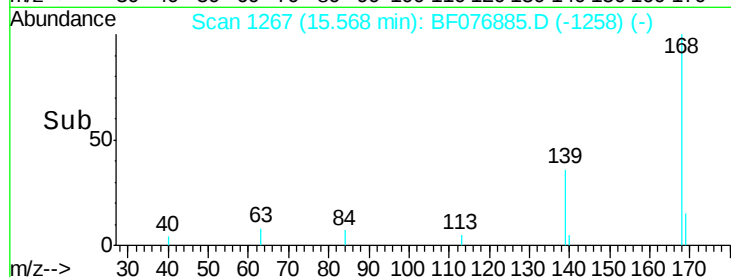
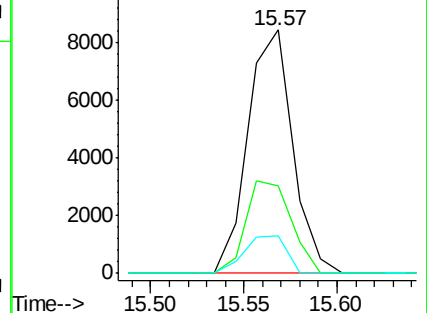
169 15.4 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.91 ng

RT: 16.27 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

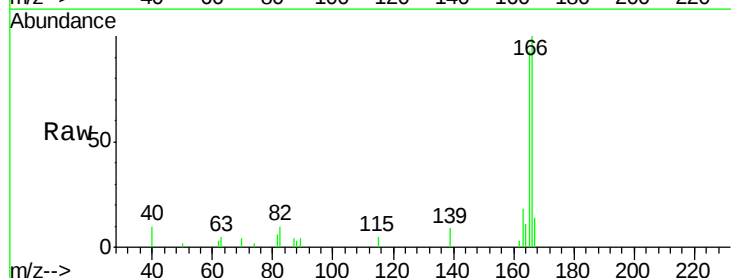
Tgt Ion:166 Resp: 18335

Ion Ratio Lower Upper

166 100

165 93.4 78.5 117.7

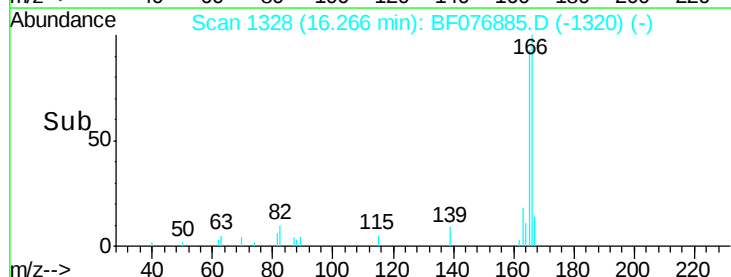
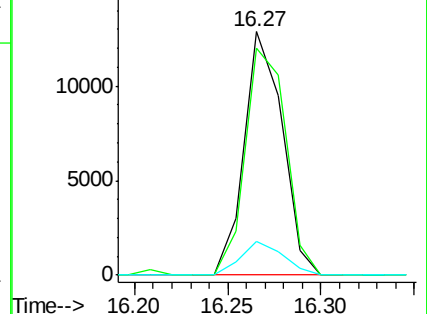
167 13.9 10.4 15.6

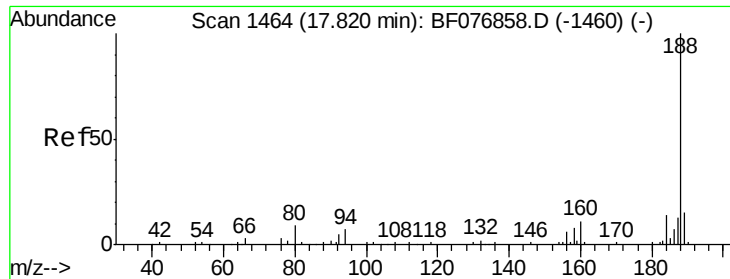


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

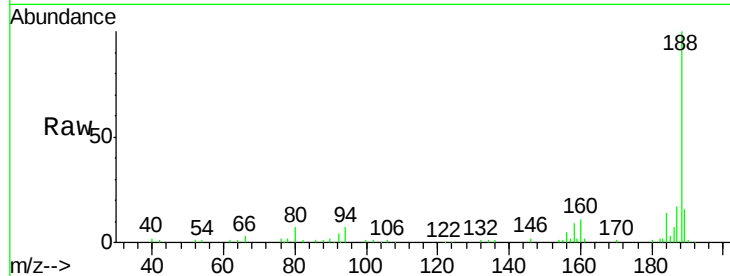




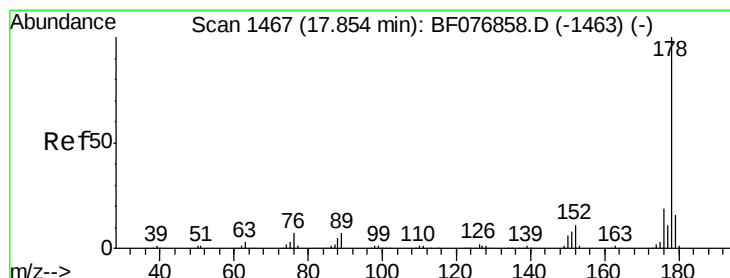
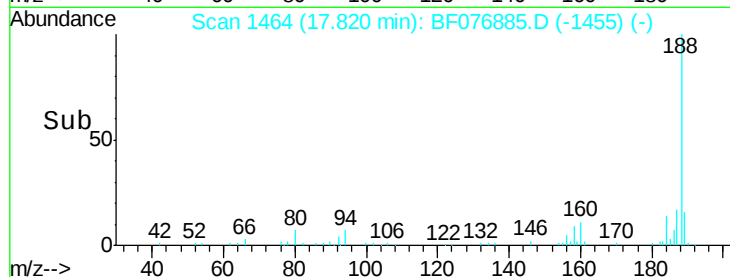
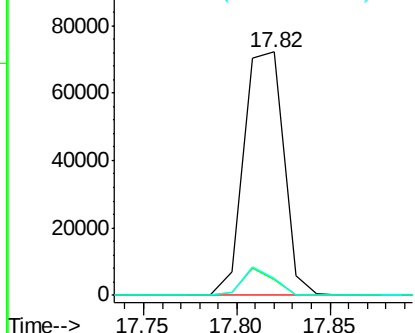
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.82 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.0	9.0
80	6.8	6.9	10.3#

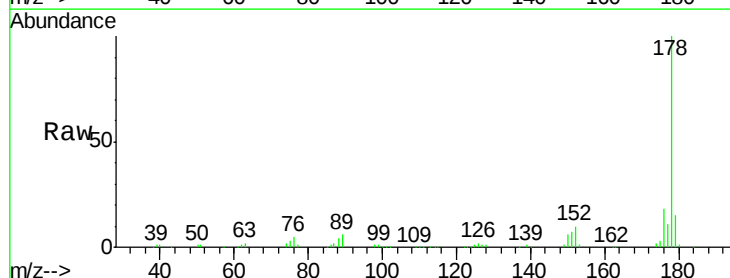


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

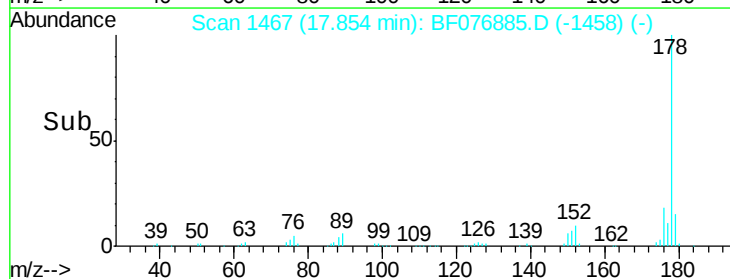
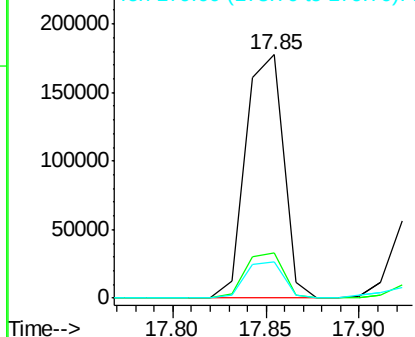


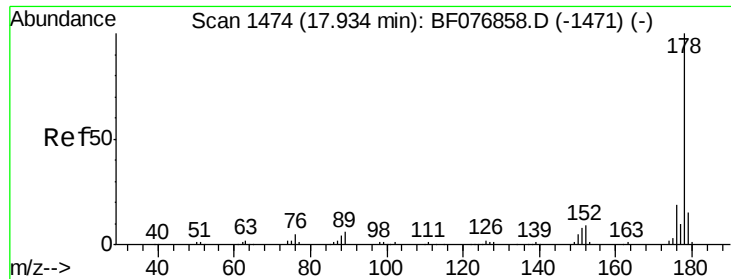
#70
 Phenanthrene
 Concen: 37.55 ng
 RT: 17.85 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	14.6	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

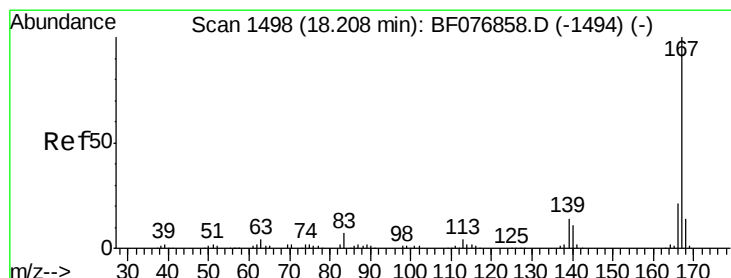
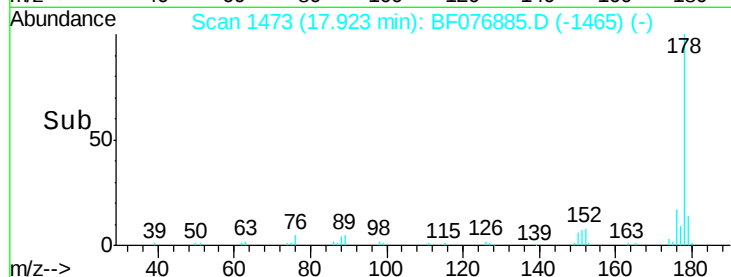
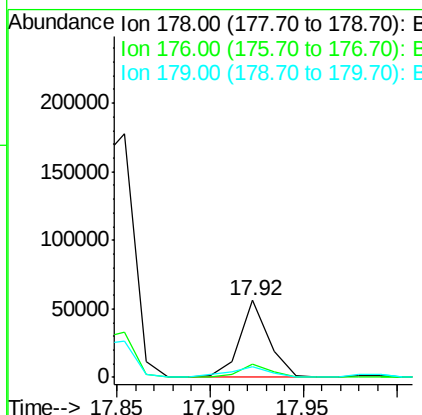
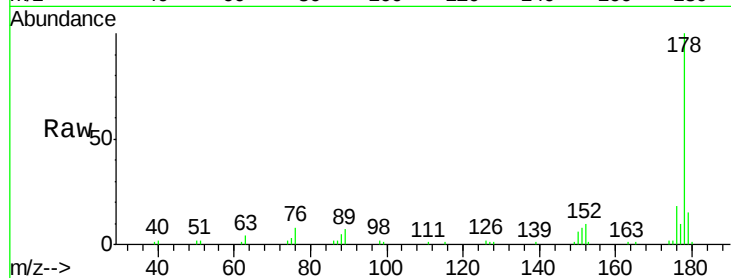




#71
 Anthracene
 Concen: 9.41 ng
 RT: 17.92 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

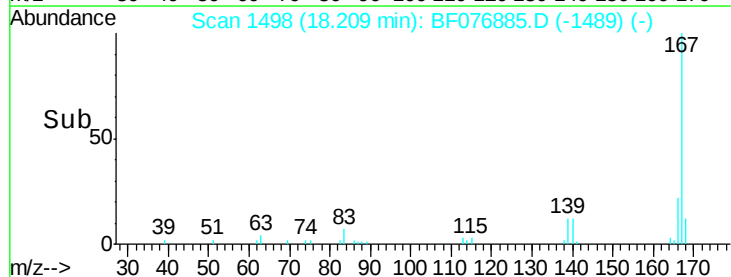
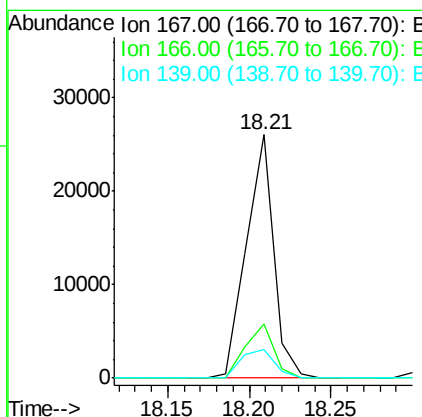
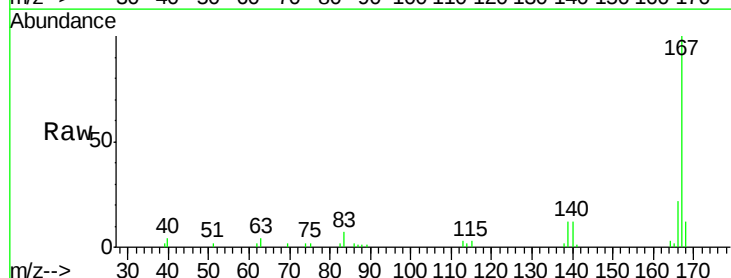
Instrument :
 BNA_F
 ClientSampleID :
 TP5-SS-3(7-7.5)DL

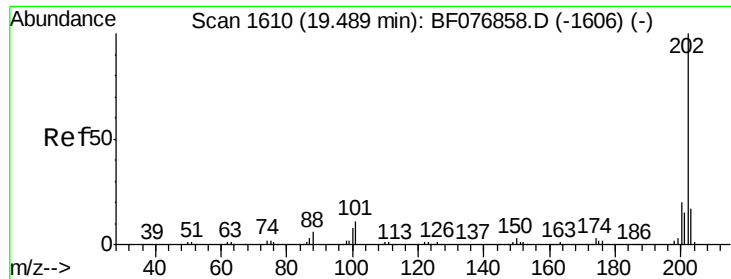
Tot Ion:178 Resp: 60939
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 14.6 11.9 17.9



#72
 Carbazole
 Concen: 4.81 ng
 RT: 18.21 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Tgt Ion:167 Resp: 30225
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 11.7 11.3 16.9

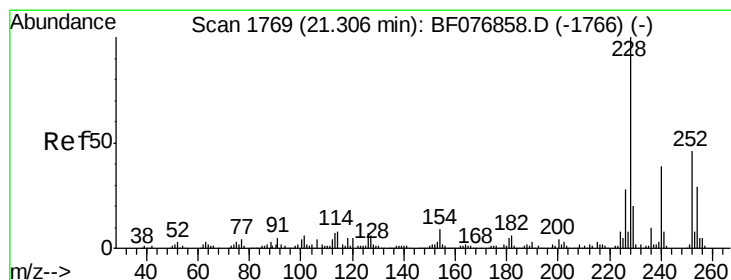
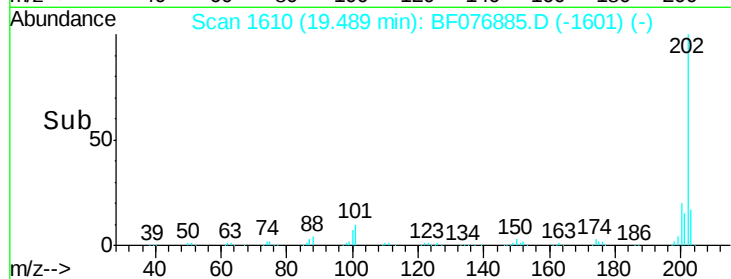
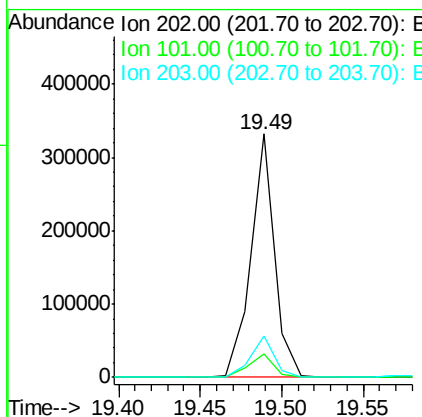
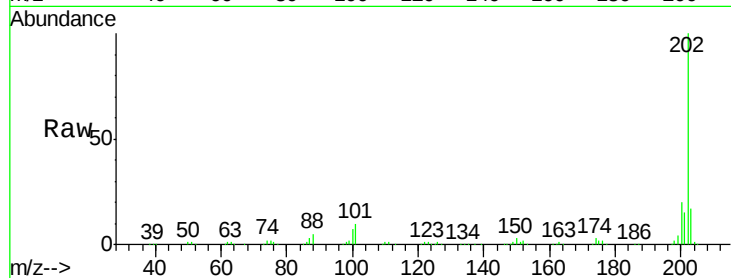




#74
 Fluoranthene
 Concen: 48.95 ng
 RT: 19.49 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

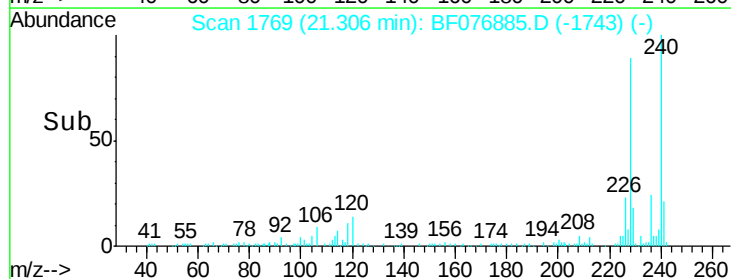
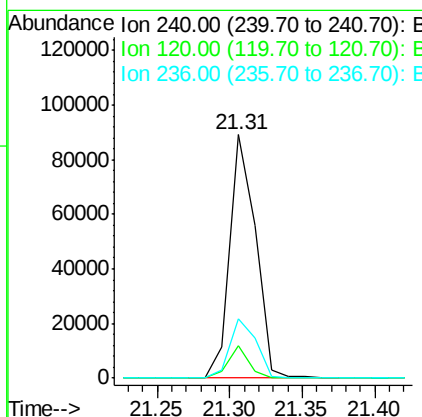
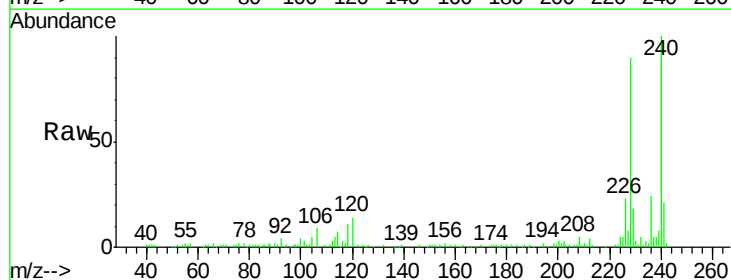
Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)DL

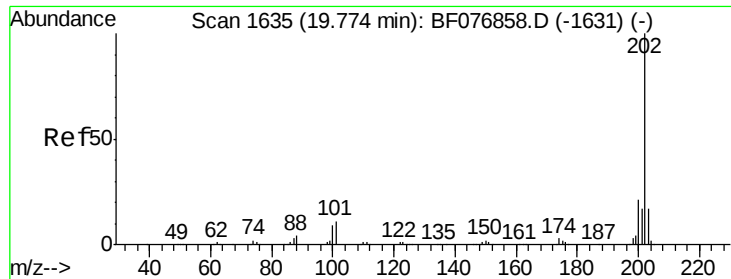
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.7
203	17.0	0.0	36.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.31 min Scan# 1769
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.4	15.6
236	24.4	20.2	30.2

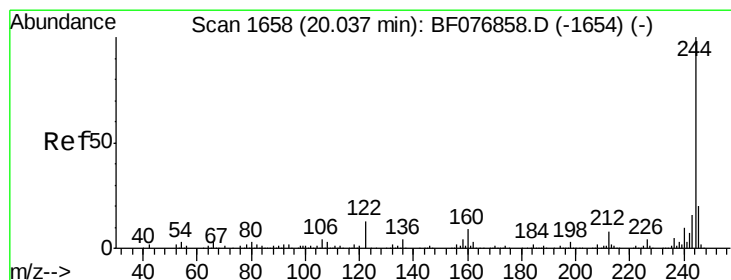
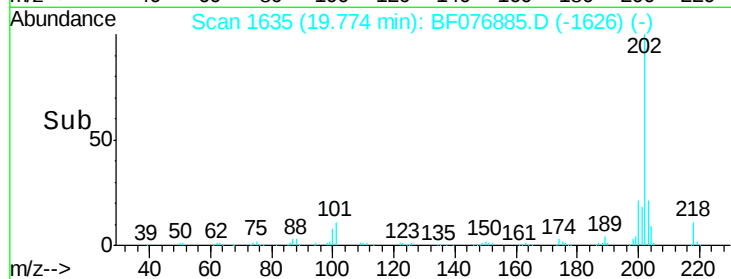
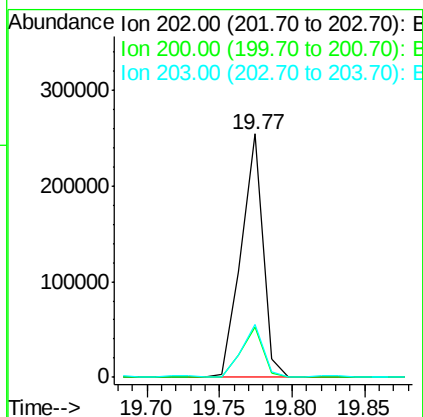
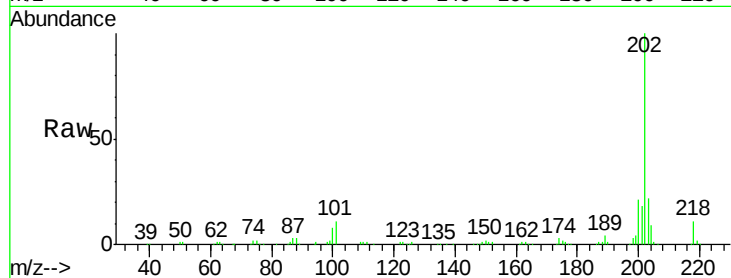




#77
 Pvrene
 Concen: 35.48 ng
 RT: 19.77 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

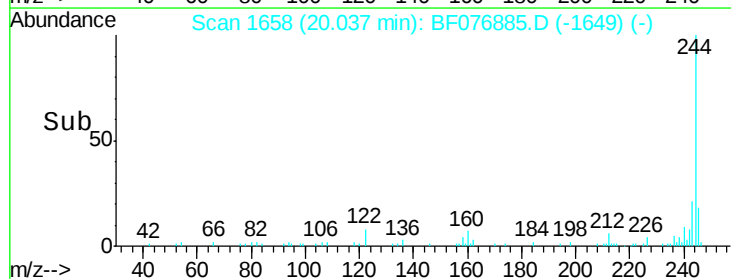
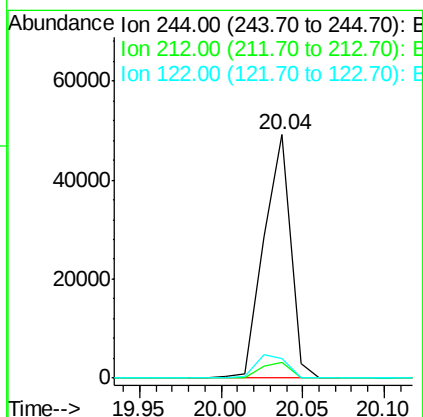
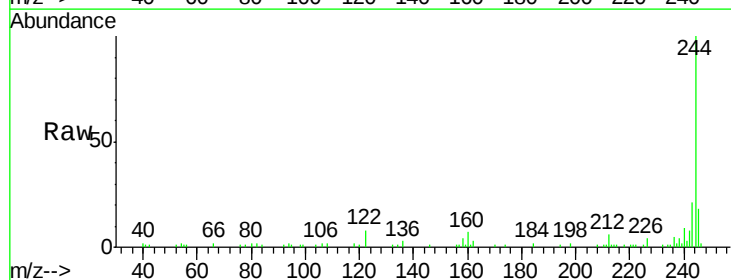
Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)DL

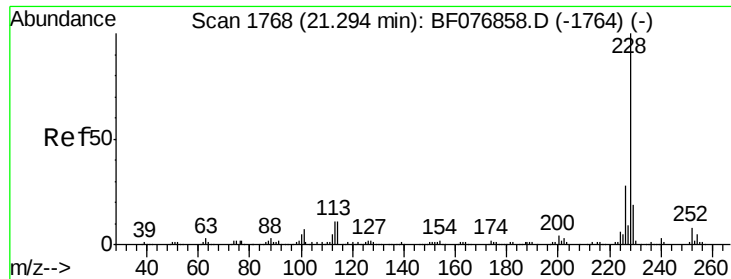
Tot Ion:202 Resp: 268376
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 21.9 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 11.74 ng
 RT: 20.04 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Tgt Ion:244 Resp: 56263
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.3 9.5
 122 7.8 10.1 15.1#





#80

Benzo(a)anthracene

Concen: 21.58 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleId :

TP5-SS-3(7-7.5)DL

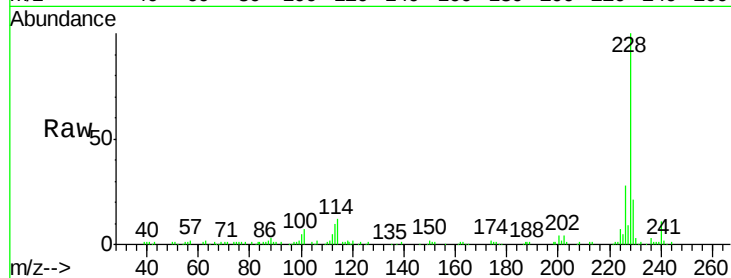
Tot Ion:228 Resp: 149448

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

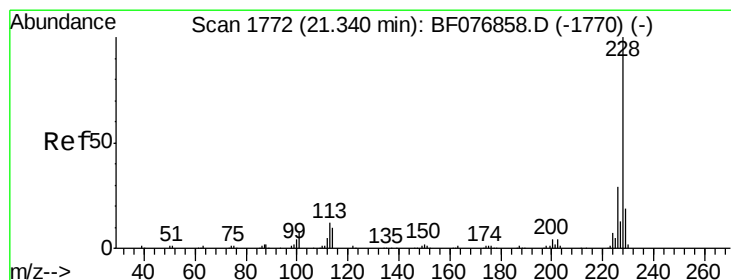
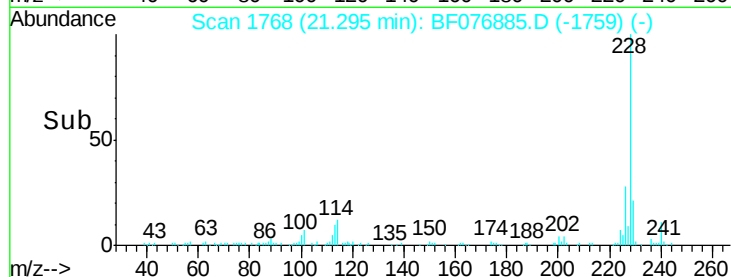
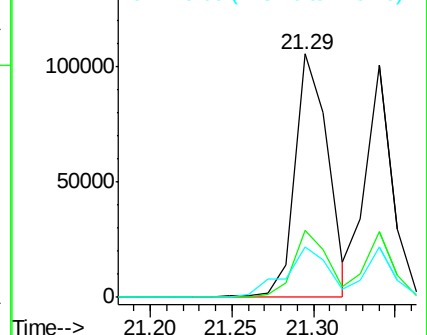
229 20.8 15.5 23.3



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: 17.93 ng

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

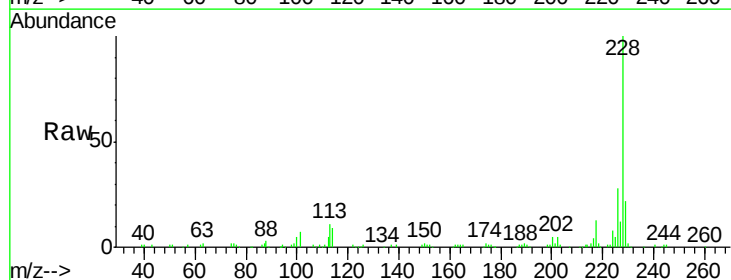
Tgt Ion:228 Resp: 113238

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.0

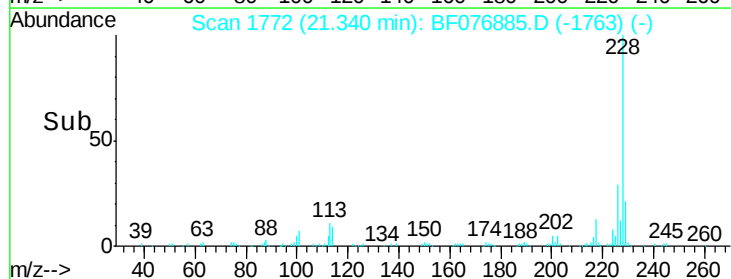
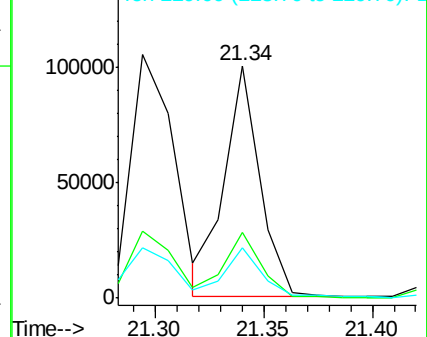
229 21.5 15.4 23.0

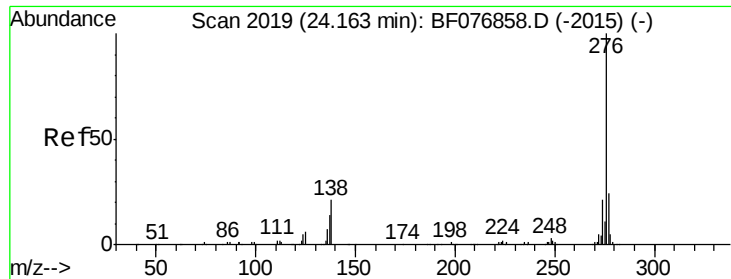


Abundance Ion 228.00 (227.70 to 228.70): E

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: 10.59 ng/mL

RT: 24.22 min Scan# 2024

Delta R.T. 0.06 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleID :

TP5-SS-3(7-7.5)DL

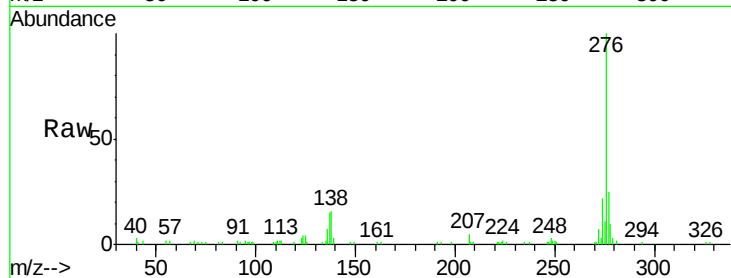
Tot Ion:276 Resp: 70861

Ion Ratio Lower Upper

276 100

138 2.5 14.6 22.0#

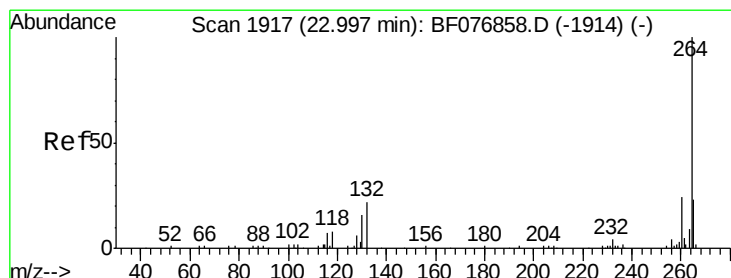
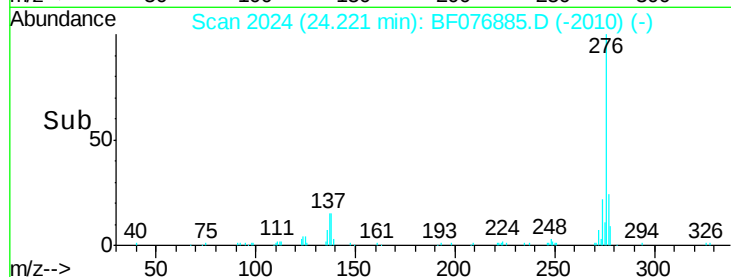
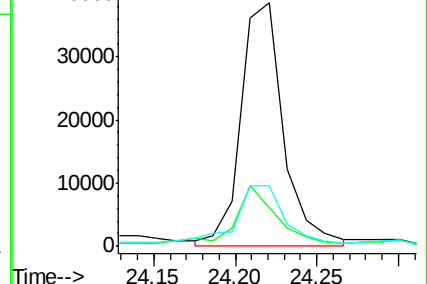
277 4.3 14.8 22.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 23.03 min Scan# 1920

Delta R.T. 0.03 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

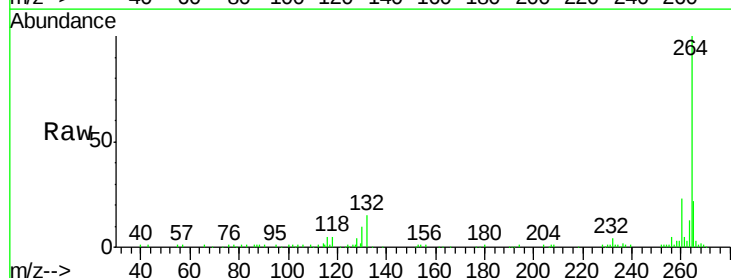
Tgt Ion:264 Resp: 104803

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.4

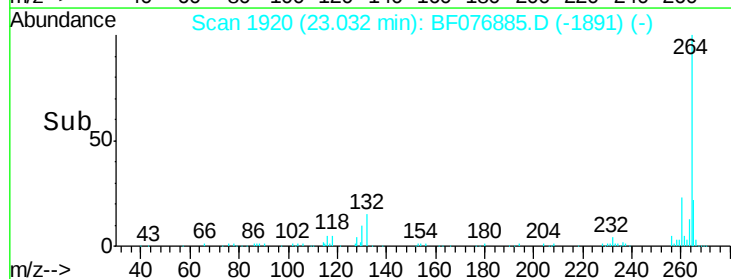
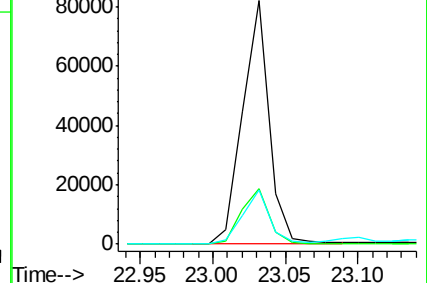
265 22.3 18.1 27.1

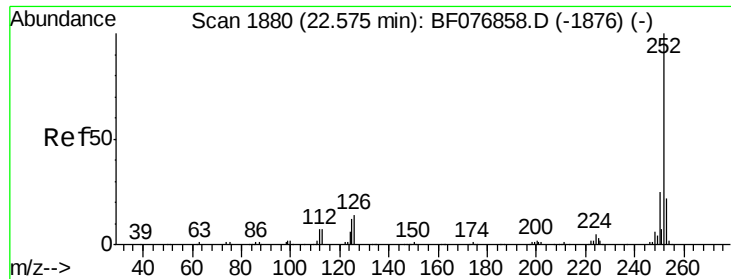


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.32 ng m

RT: 22.60 min Scan# 1882

Delta R.T. 0.02 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

Instrument :

BNA_F

ClientSampleId :

TP5-SS-3(7-7.5)DL

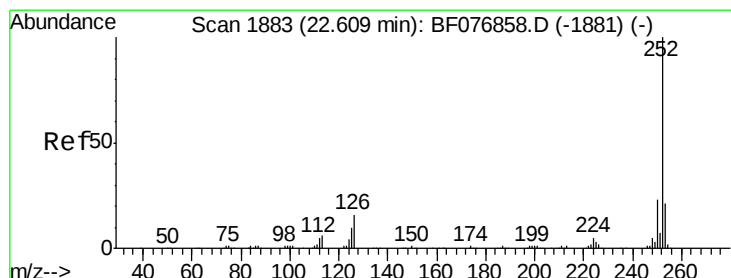
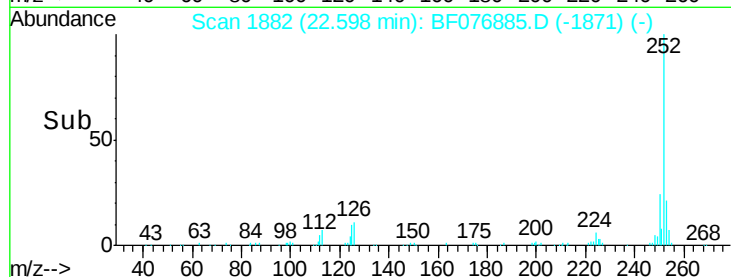
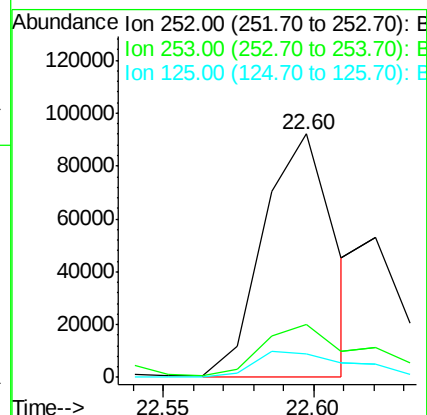
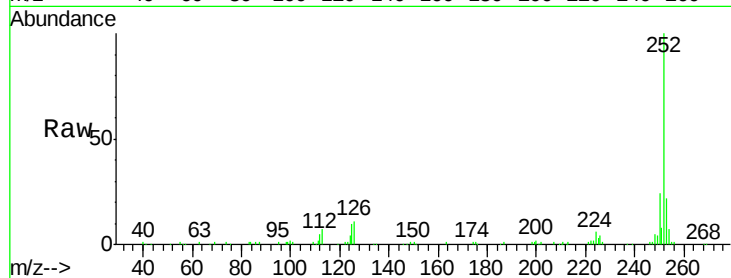
Tot Ion:252 Resp: 150467

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 9.9 9.4 14.0



#88

Benzo(k)fluoranthene

Concen: 8.51 ng m

RT: 22.62 min Scan# 1884

Delta R.T. 0.01 min

Lab File: BF076885.D

Acq: 15 Jan 2015 15:39

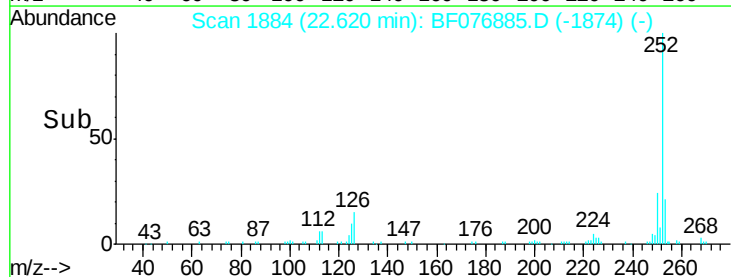
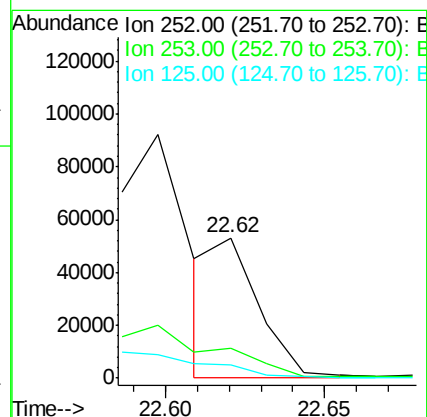
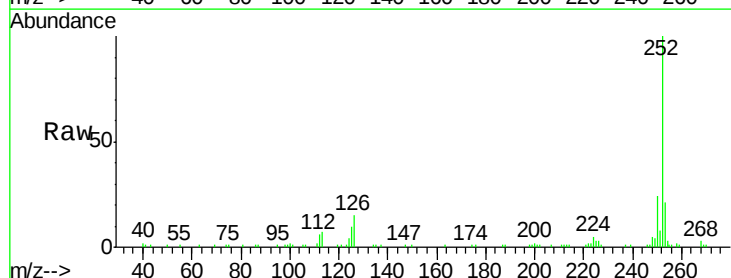
Tgt Ion:252 Resp: 52502

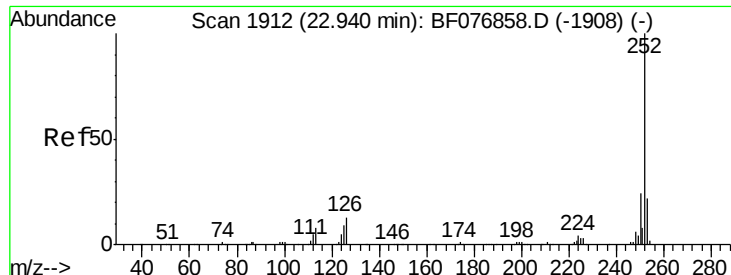
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.8 7.1 10.7

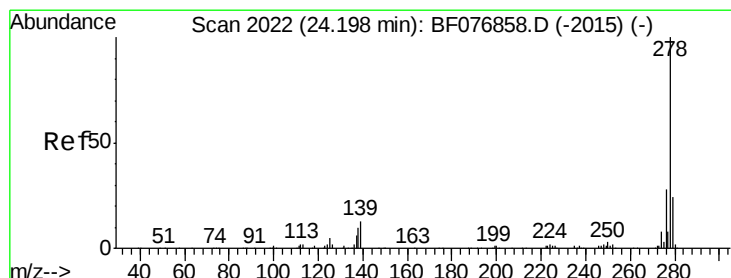
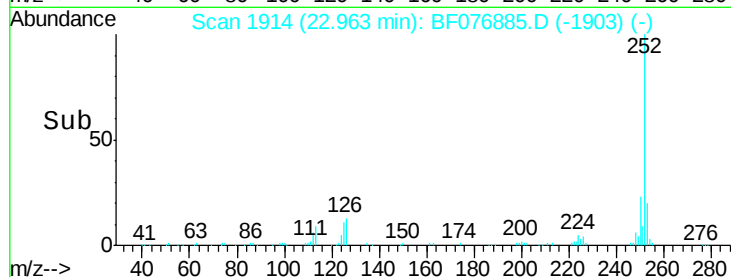
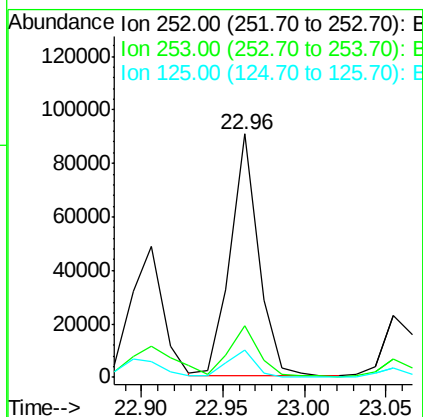
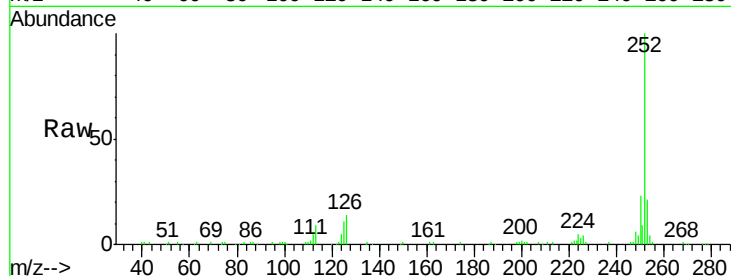




#89
Benzo(a)pyrene
Concen: 17.20 ng
RT: 22.96 min Scan# 1914
Delta R.T. 0.02 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

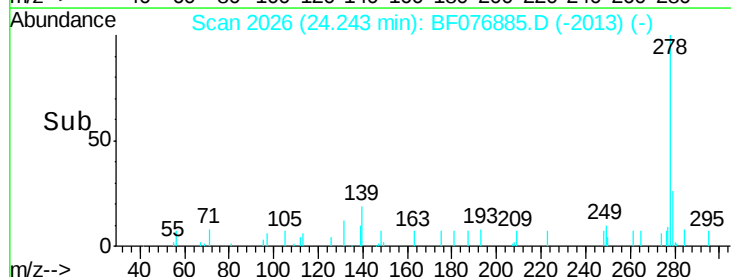
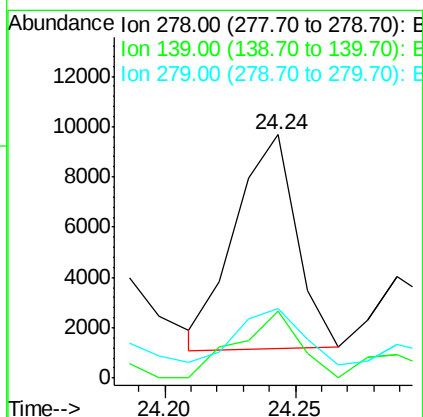
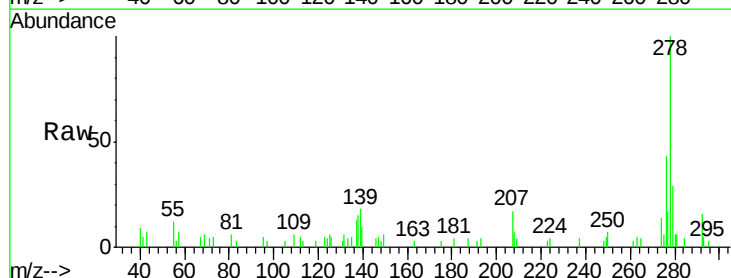
Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)DL

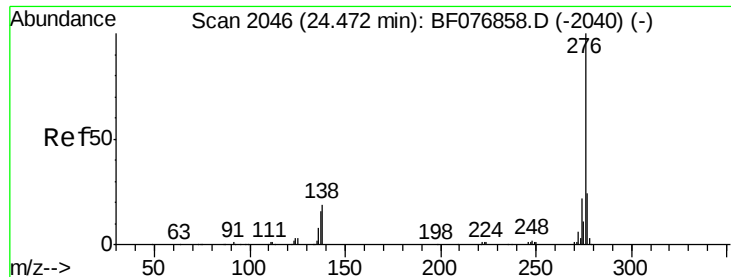
Tot Ion:252 Resp: 107063
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 11.0 7.2 10.8#



#90
Dibenzo(a,h)anthracene
Concen: 2.44 ng
RT: 24.24 min Scan# 2026
Delta R.T. 0.05 min
Lab File: BF076885.D
Acq: 15 Jan 2015 15:39

Tgt Ion:278 Resp: 13927
Ion Ratio Lower Upper
278 100
139 27.7 10.5 15.7#
279 28.6 19.3 28.9

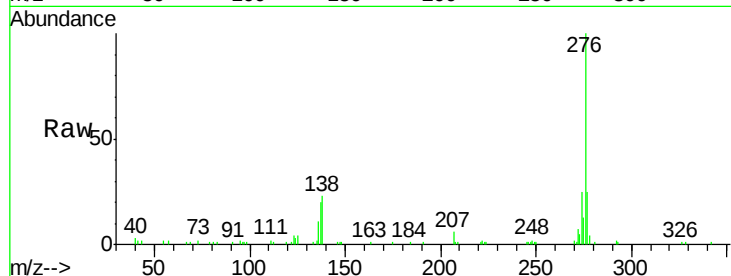




#91
 Benzo(a,h,i)perylene
 Concen: 10.18 ng
 RT: 24.52 min Scan# 2050
 Delta R.T. 0.05 min
 Lab File: BF076885.D
 Acq: 15 Jan 2015 15:39

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.5	29.3
138	22.7	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

