

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021015\
 Data File : BF077242.D
 Acq On : 10 Feb 2015 19:15
 Operator : TP/IZ
 Sample : G1254-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB11A

Quant Time: Feb 11 03:00:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	42784	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	184221	20.00	ng	0.01
38) Acenaphthene-d10	14.63	164	99940	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	164619	20.00	ng	0.00
75) Chrysene-d12	21.01	240	152656	20.00	ng	0.00
86) Perylene-d12	22.65	264	141987	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.61	112	112035	43.05	ng	0.02
7) Phenol-d6	7.02	99	156025	47.53	ng	0.01
23) Nitrobenzene-d5	8.90	82	82130	24.70	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	18388	22.67	ng	0.00
44) 2-Fluorobiphenyl	13.16	172	198337	30.20	ng	0.00
78) Terphenyl-d14	19.76	244	201372	30.37	ng	0.00

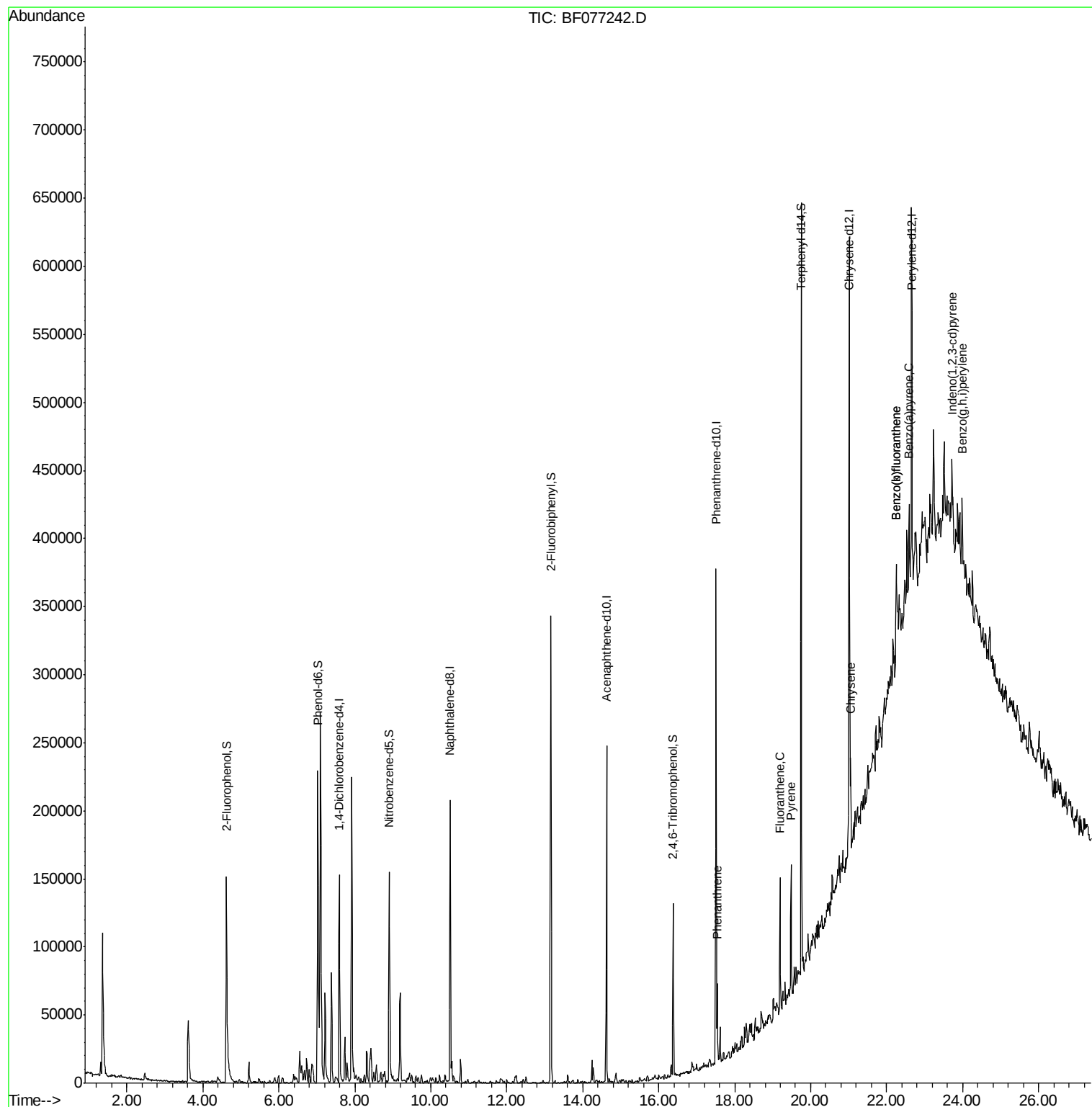
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	860	Below Cal		# 1
70) Phenanthrene	17.54	178	26352	2.57	ng	96
74) Fluoranthene	19.20	202	44702	4.25	ng	98
77) Pyrene	19.48	202	46046	4.40	ng	# 93
82) Chrysene	21.05	228	27183	3.11	ng	100
85) Indeno(1,2,3-cd)pyrene	23.72	276	20713	2.24	ng	# 84
87) Benzo(b)fluoranthene	22.25	252	50790	5.31	ng	# 90
88) Benzo(k)fluoranthene	22.25	252	50790	6.08	ng	# 88
89) Benzo(a)pyrene	22.59	252	22868	2.71	ng	# 74
91) Benzo(g,h,i)perylene	23.99	276	24107	3.13	ng	# 86

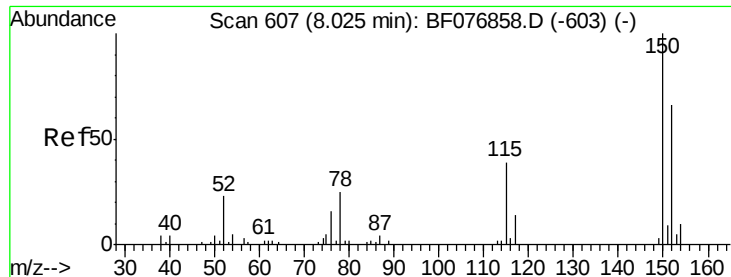
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.60 min Scan# 587

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampleId :

UB11A

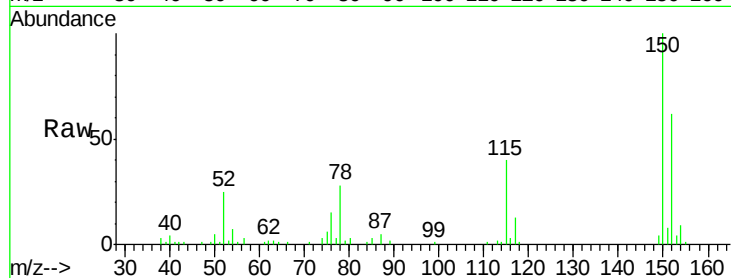
Tgt Ion:152 Resp: 42784

Ion Ratio Lower Upper

152 100

150 160.1 121.7 182.5

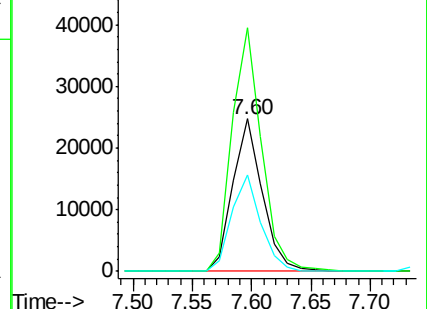
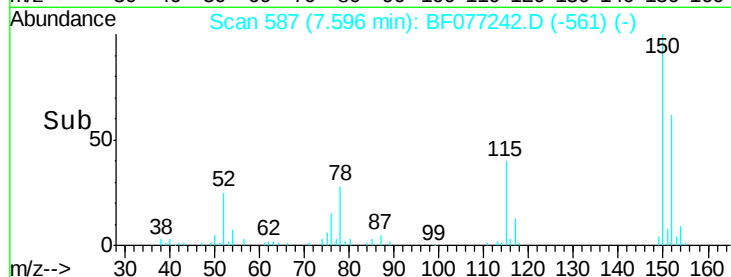
115 63.7 47.0 70.6



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: 43.05 ng

RT: 4.61 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

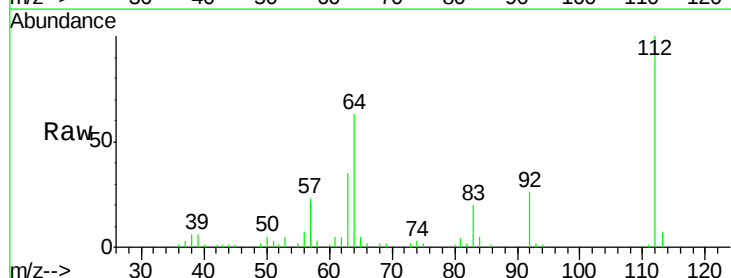
Tgt Ion:112 Resp: 112035

Ion Ratio Lower Upper

112 100

64 62.9 54.2 81.4

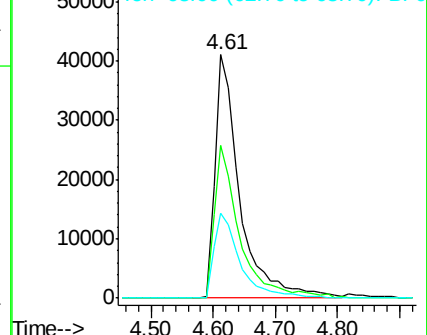
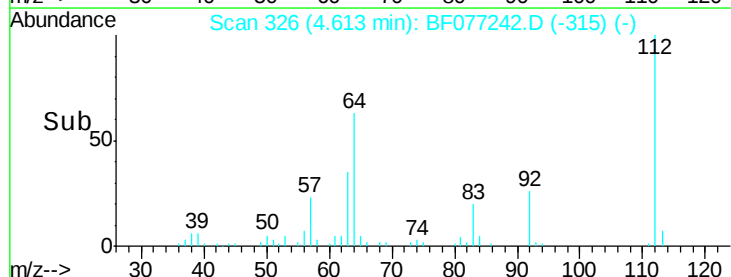
63 34.7 28.4 42.6



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: 47.53 ng

RT: 7.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampled :

UB11A

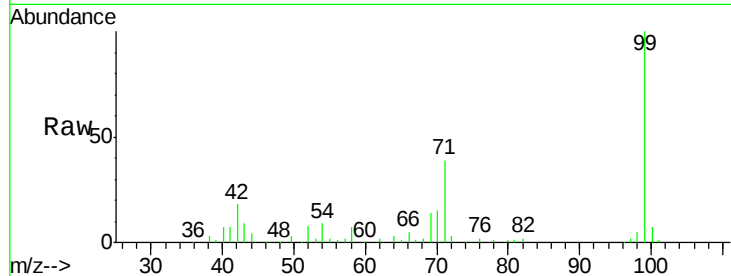
Tgt Ion: 99 Resp: 156025

Ion Ratio Lower Upper

99 100

42 18.5 15.0 22.4

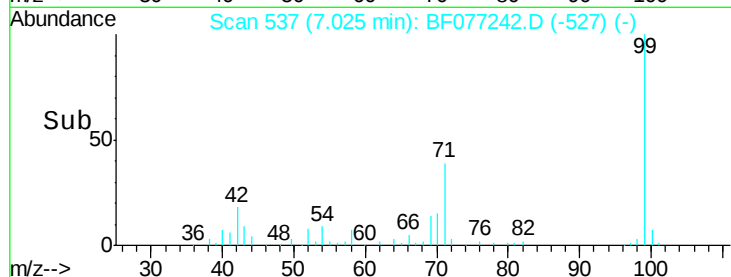
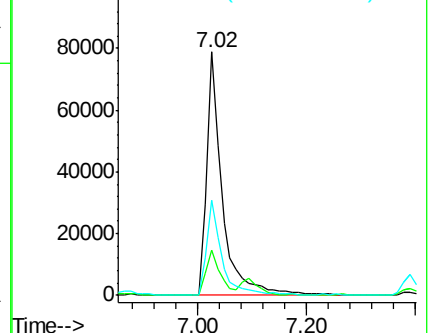
71 39.3 30.5 45.7



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: 10.51 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Tgt Ion: 136 Resp: 184221

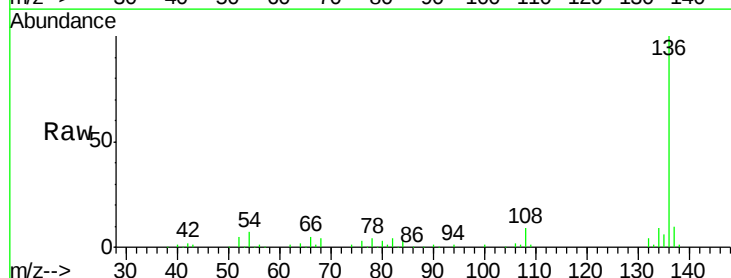
Ion Ratio Lower Upper

136 100

137 9.9 8.1 12.1

54 7.3 7.0 10.4

68 4.1 3.7 5.5

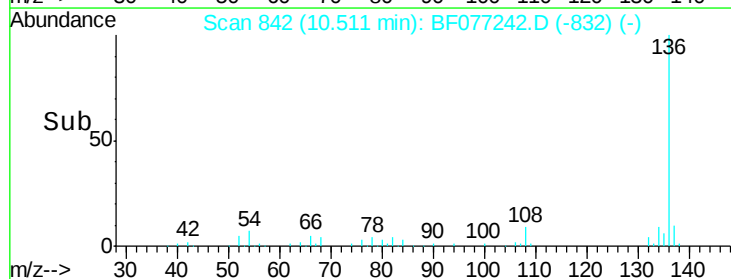
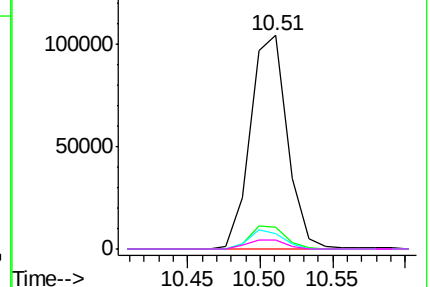


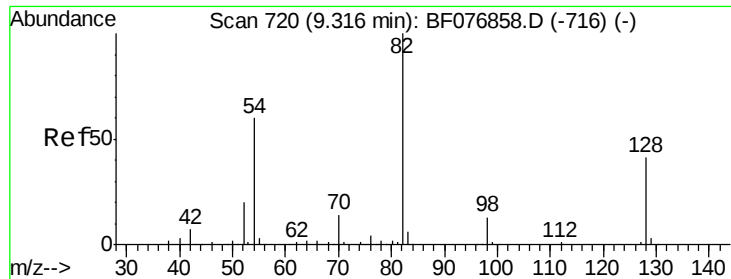
Abundance Ion 136.00 (135.70 to 136.70): E

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

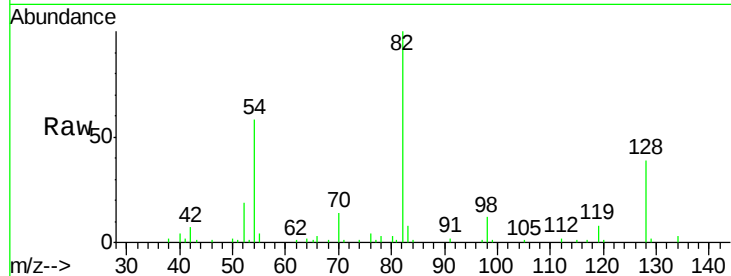




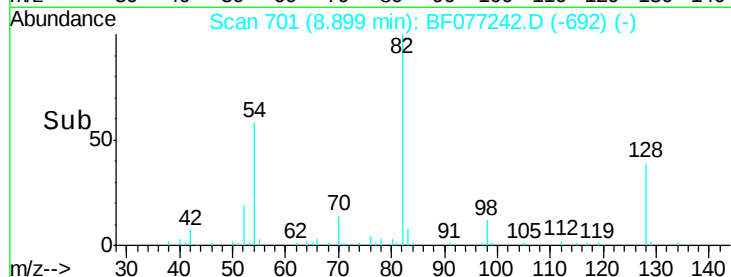
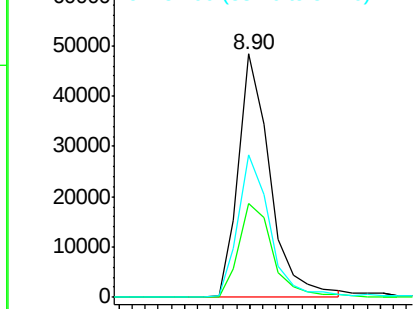
#23
 Nitrobenzene-d5
 Concen: 24.70 ng
 RT: 8.90 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Instrument :
 BNA_F
 ClientSampleId :
 UB11A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.8	33.1	49.7
54	58.4	48.3	72.5

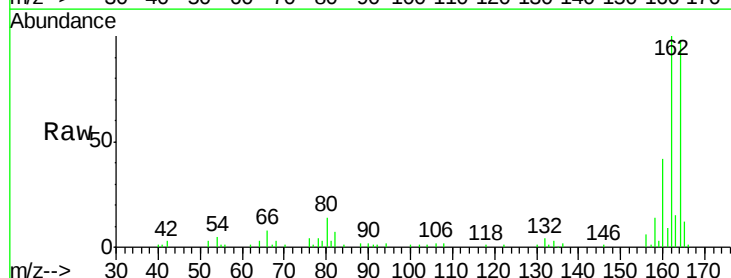


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

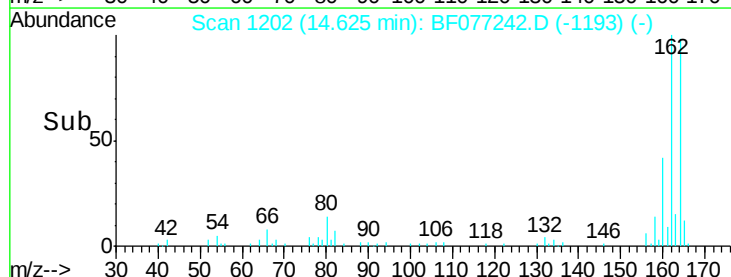
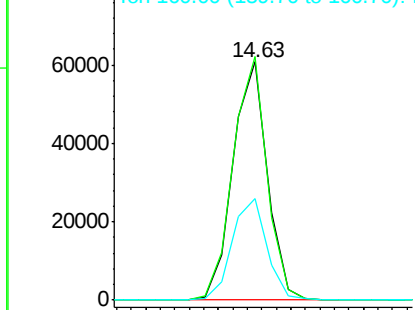


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.4	123.6
160	42.8	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: 22.67 ng

RT: 16.37 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampleId :

UB11A

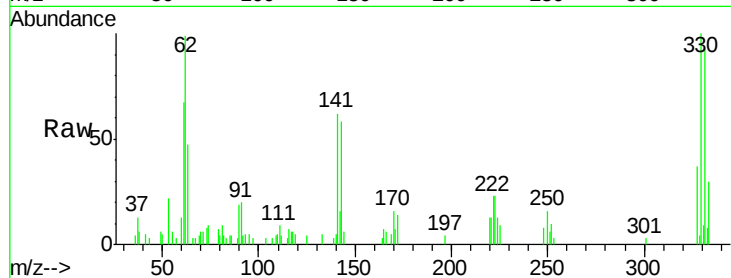
Tgt Ion:330 Resp: 18388

Ion Ratio Lower Upper

330 100

332 98.9 77.8 116.6

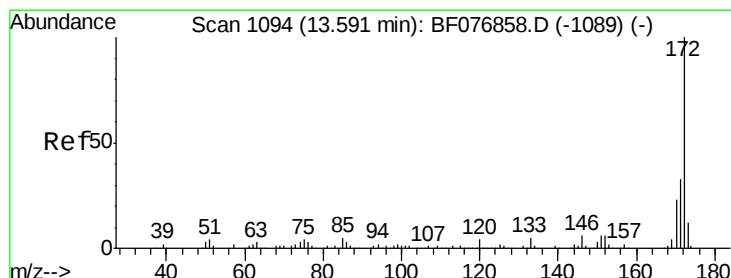
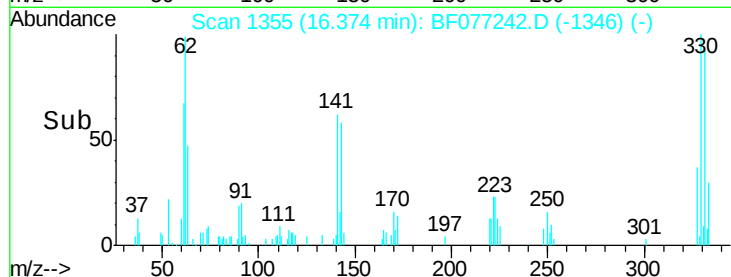
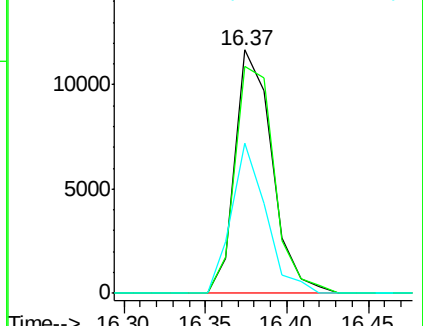
141 57.8 38.5 57.7#



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: 30.20 ng

RT: 13.16 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

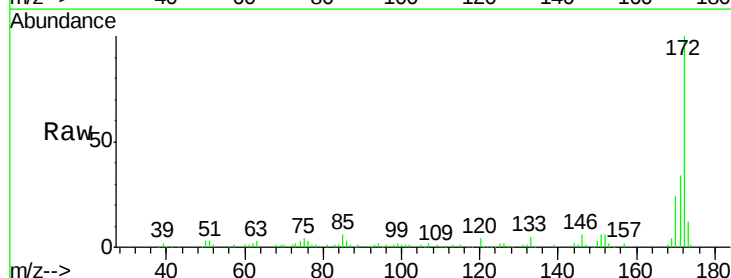
Tgt Ion:172 Resp: 198337

Ion Ratio Lower Upper

172 100

171 34.3 26.6 40.0

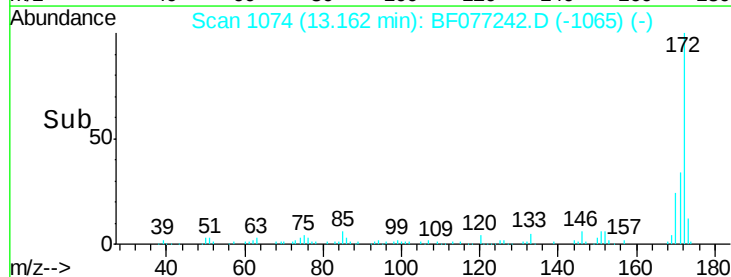
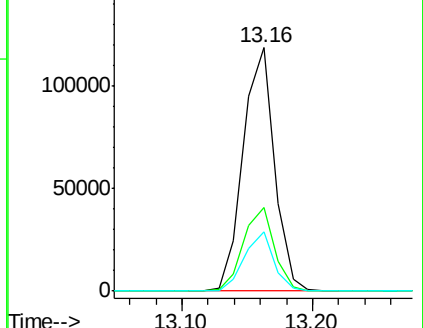
170 24.4 18.0 27.0

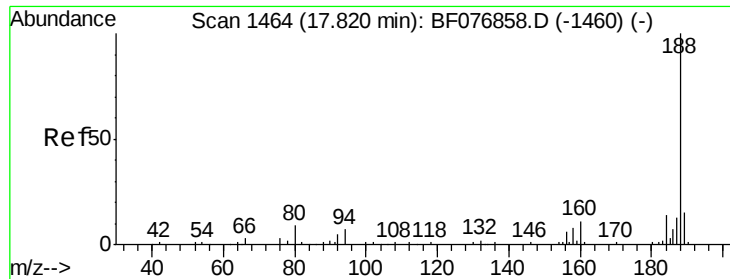


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

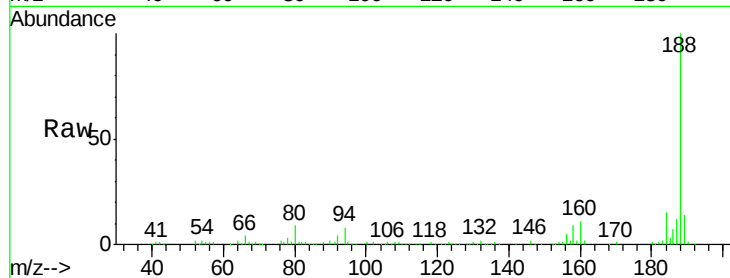




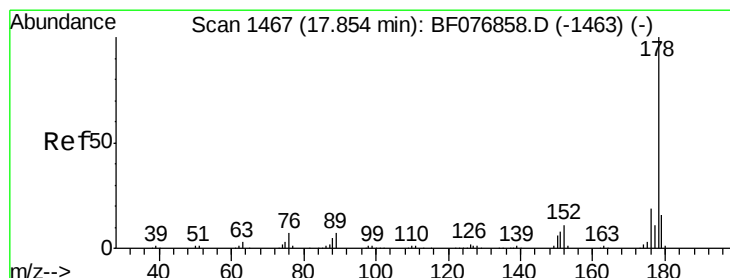
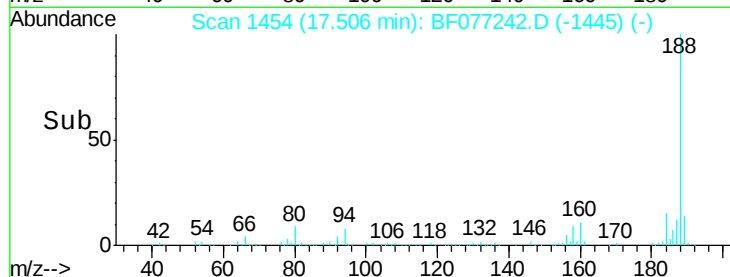
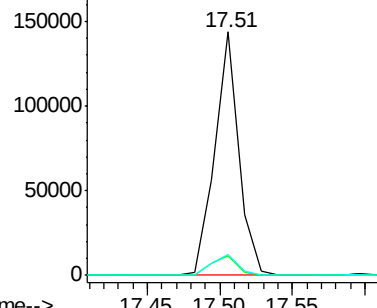
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.51 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Instrument :
 BNA_F
 ClientSampleId :
 UB11A

Tgt Ion:188 Resp: 164619
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.0 9.0
 80 8.7 6.9 10.3

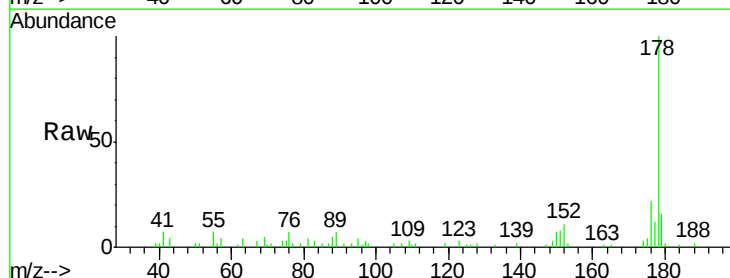


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

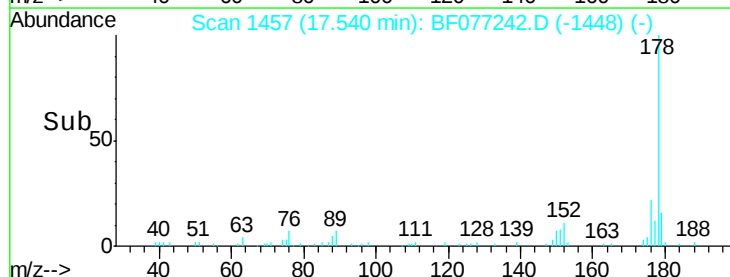
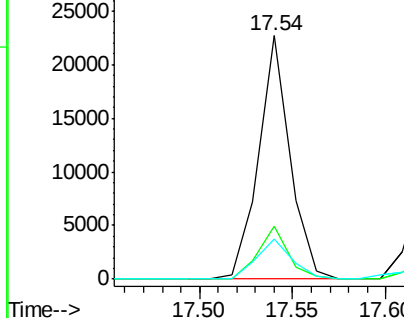


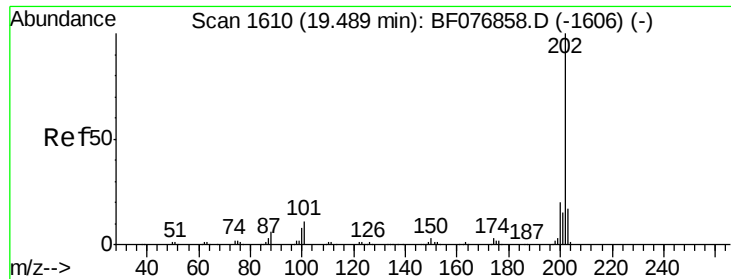
#70
 Phenanthrene
 Concen: 2.57 ng
 RT: 17.54 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF077242.D
 Acq: 10 Feb 2015 19:15

Tgt Ion:178 Resp: 26352
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.1 22.7
 179 16.5 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





#74

Fluoranthene

Concen: 4.25 ng

RT: 19.20 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampleId :

UB11A

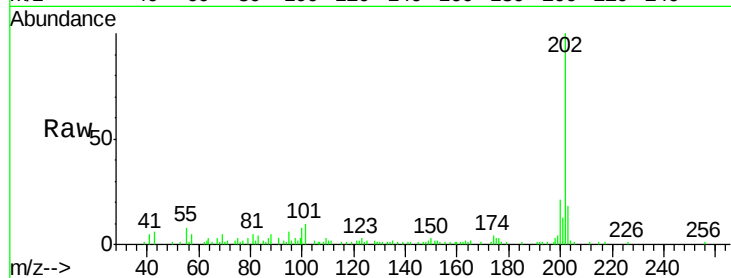
Tgt Ion:202 Resp: 44702

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.7

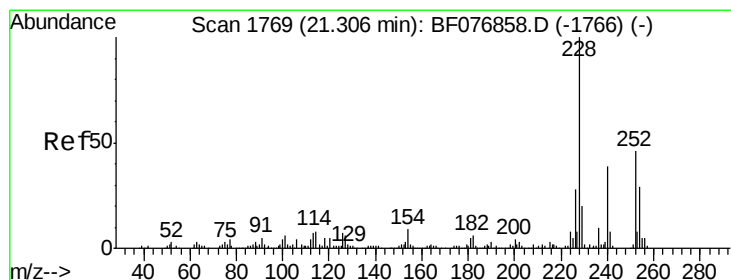
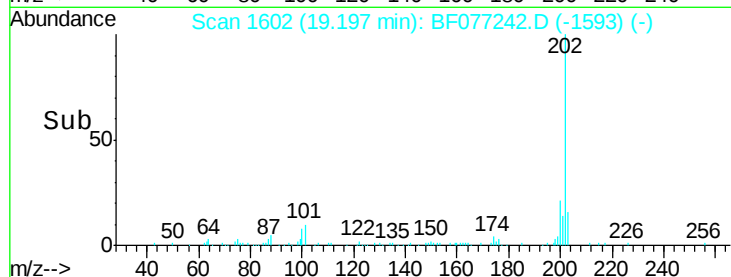
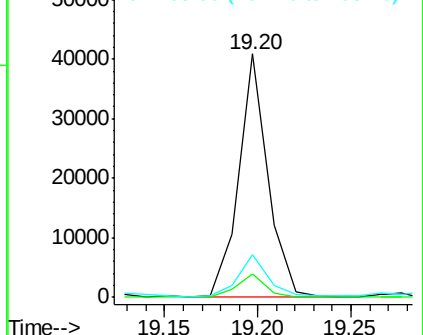
203 17.7 0.0 36.9



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: 21.01 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

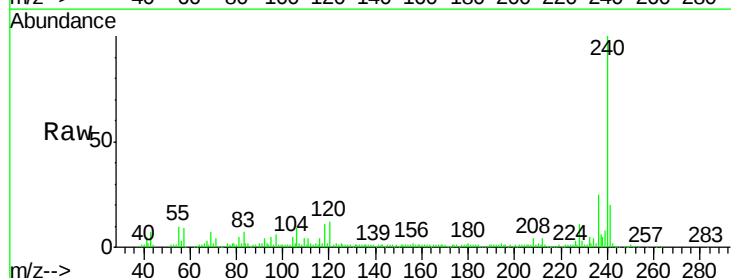
Tgt Ion:240 Resp: 152656

Ion Ratio Lower Upper

240 100

120 12.0 10.4 15.6

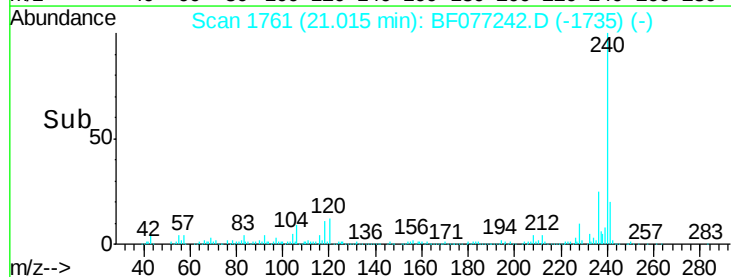
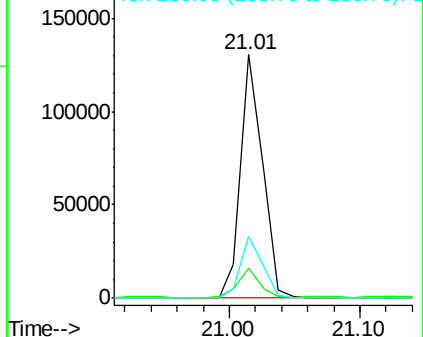
236 25.2 20.2 30.2

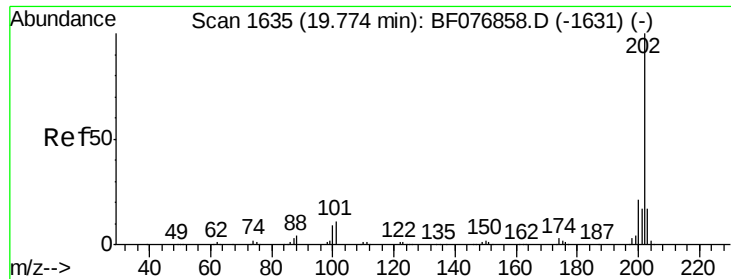


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.40 ng

RT: 19.48 min Scan# 1627

Delta R.T. 0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

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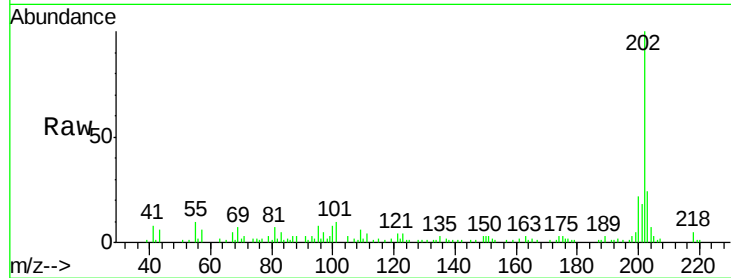
Tgt Ion: 202 Resp: 46046

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

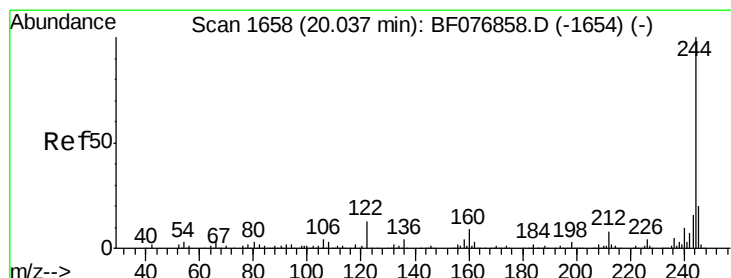
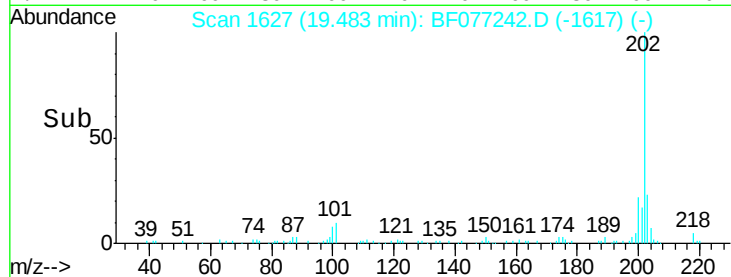
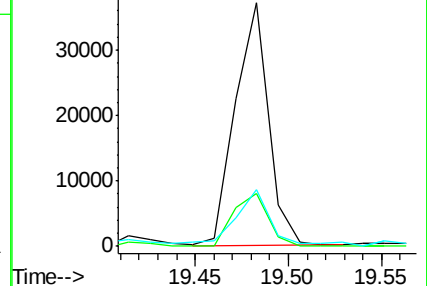
203 23.5 14.0 21.0#



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: 30.37 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

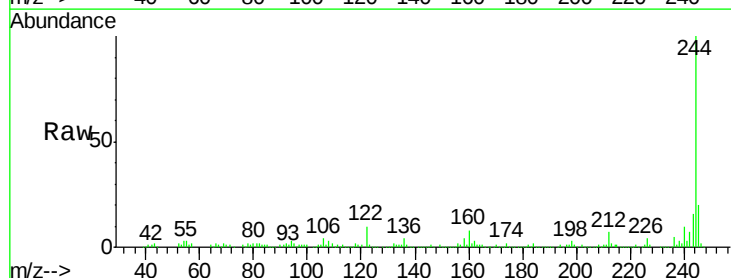
Tgt Ion: 244 Resp: 201372

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

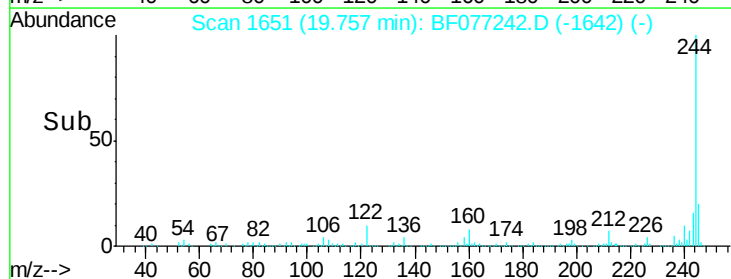
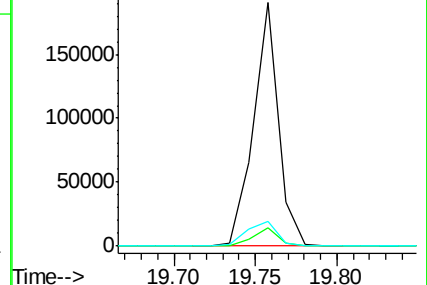
122 10.2 10.1 15.1

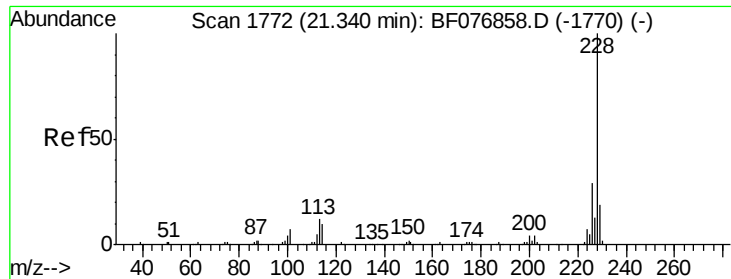


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 3.11 ng

RT: 21.05 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampleId :

UB11A

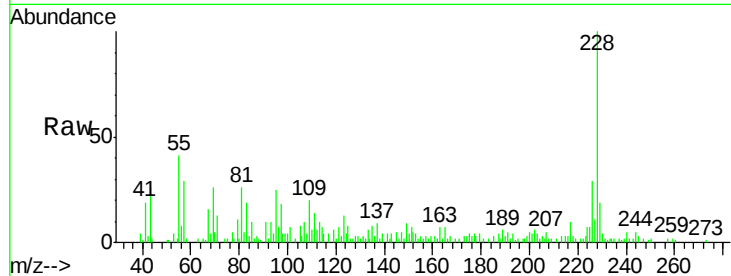
Tgt Ion:228 Resp: 27183

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

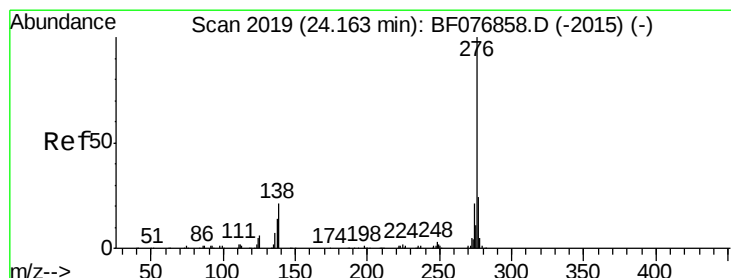
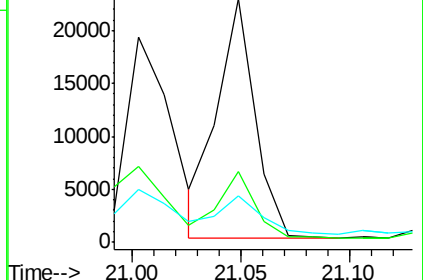
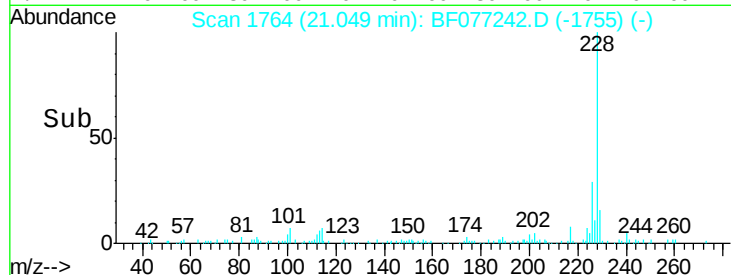
229 19.0 15.4 23.0



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: 2.24 ng

RT: 23.72 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

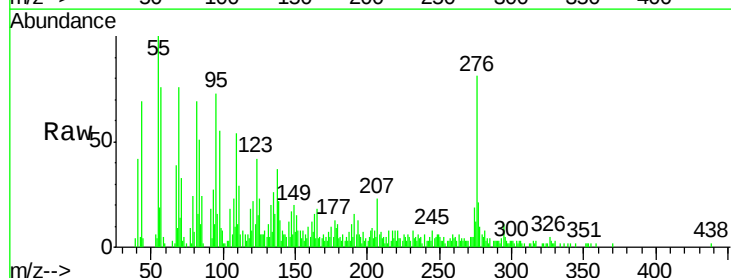
Tgt Ion:276 Resp: 20713

Ion Ratio Lower Upper

276 100

138 25.4 14.6 22.0#

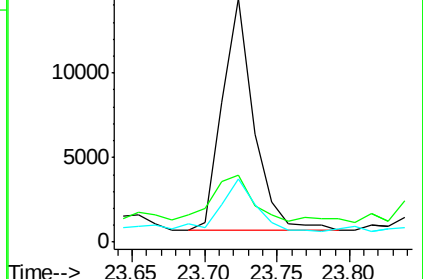
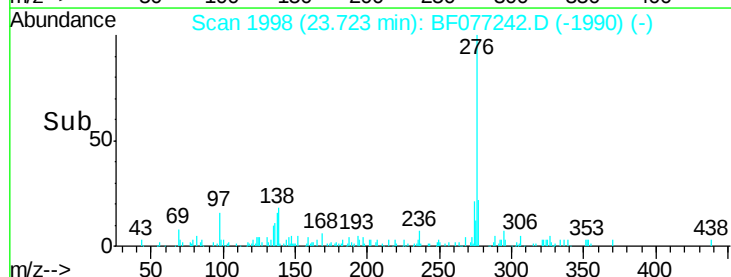
277 25.6 14.8 22.2#

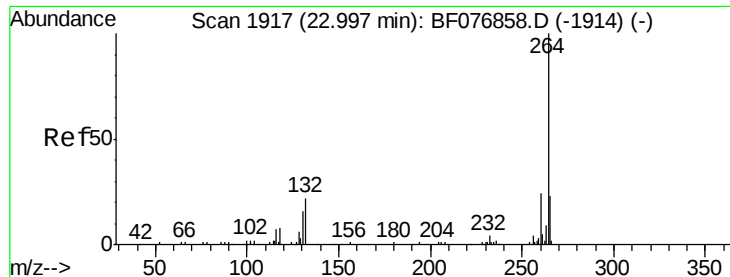


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

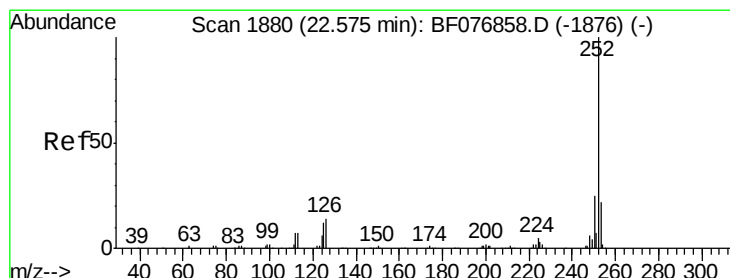
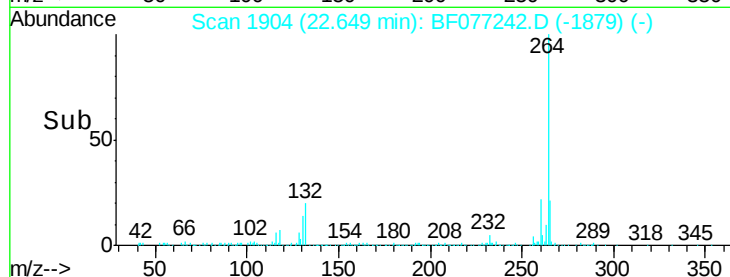
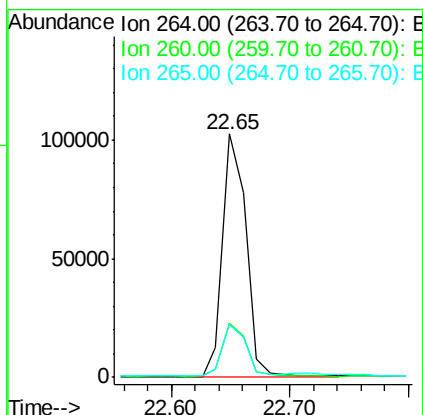
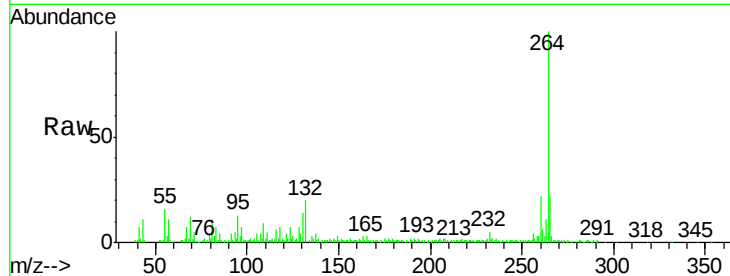




#86
Perylene-d12
Concen: 20.00 ng
RT: 22.65 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

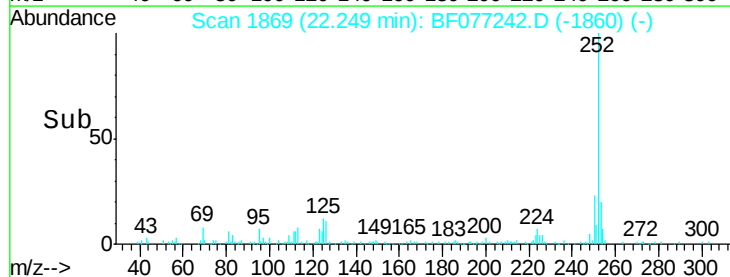
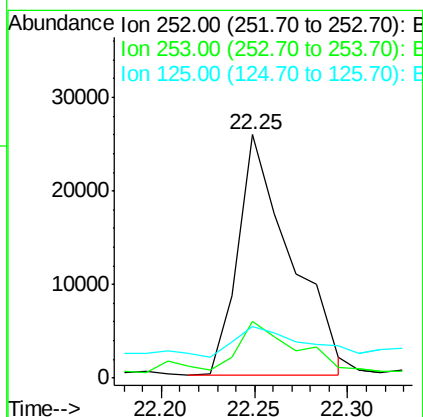
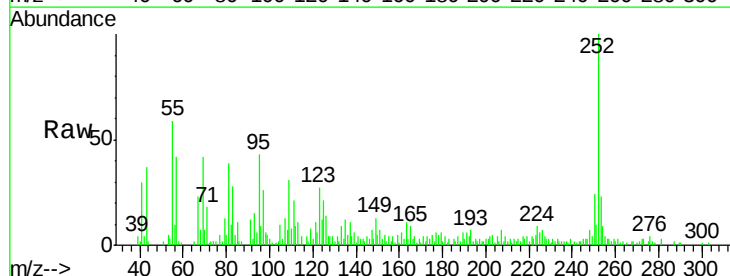
Instrument :
BNA_F
ClientSampleId :
UB11A

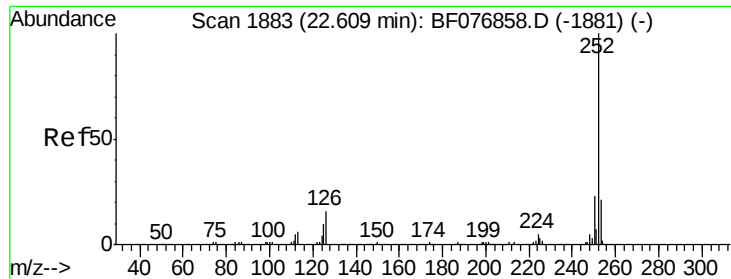
Tgt Ion: 264 Resp: 141987
Ion Ratio Lower Upper
264 100
260 22.2 19.0 28.4
265 22.0 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 5.31 ng
RT: 22.25 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Tgt Ion: 252 Resp: 50790
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 21.0 9.4 14.0#





#88

Benzo(k)fluoranthene

Concen: 6.08 ng

RT: 22.25 min Scan# 1869

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

Instrument :

BNA_F

ClientSampleId :

UB11A

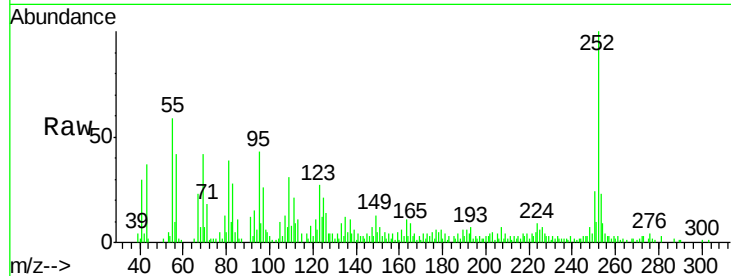
Tgt Ion:252 Resp: 50790

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

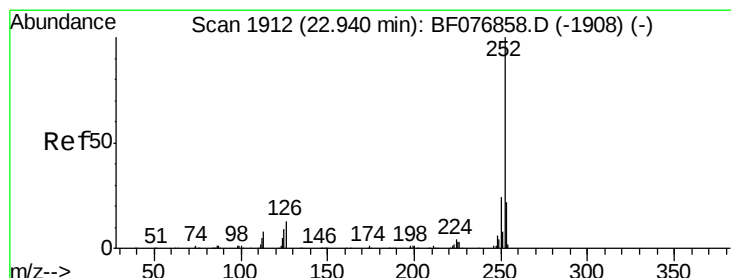
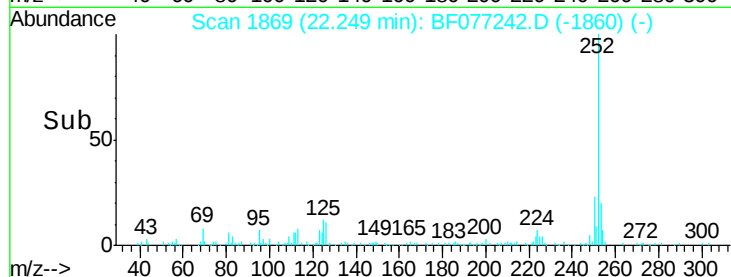
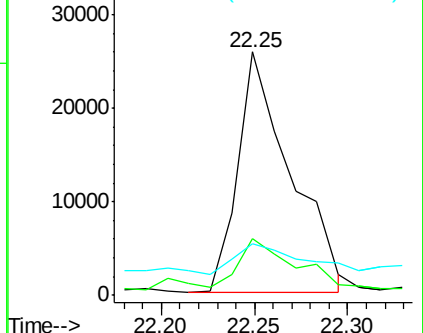
125 21.0 7.1 10.7#



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: 2.71 ng

RT: 22.59 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BF077242.D

Acq: 10 Feb 2015 19:15

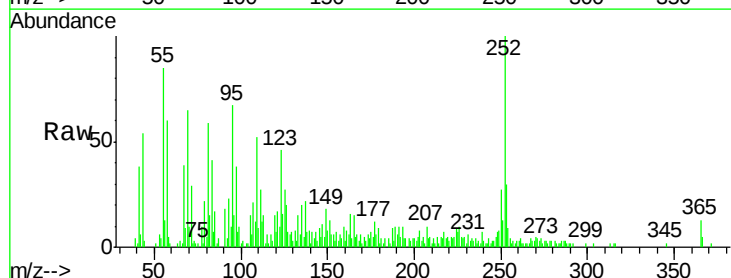
Tgt Ion:252 Resp: 22868

Ion Ratio Lower Upper

252 100

253 30.3 17.9 26.9#

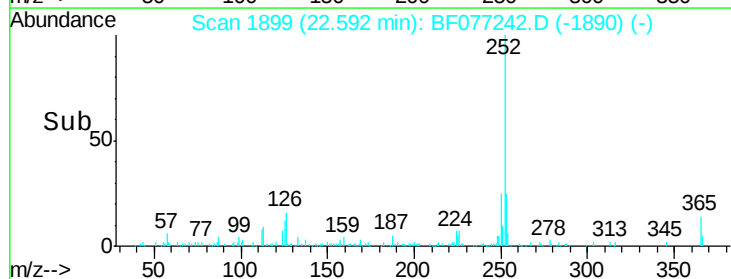
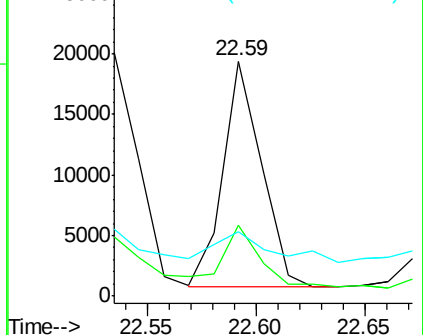
125 27.2 7.2 10.8#

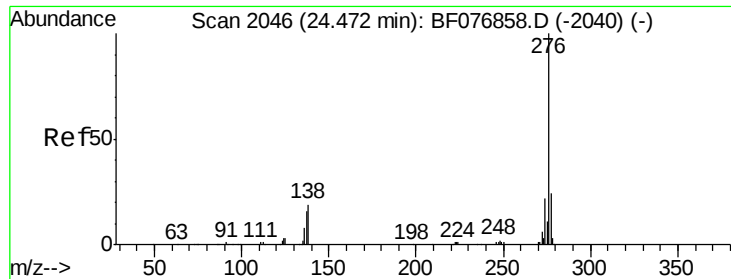


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
Benzo(g,h,i)perylene
Concen: 3.13 ng
RT: 23.99 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF077242.D
Acq: 10 Feb 2015 19:15

Instrument :
BNA_F
ClientSampleId :
UB11A

Tgt Ion: 276 Resp: 24107
Ion Ratio Lower Upper
276 100
277 29.3 19.5 29.3
138 27.7 15.0 22.6#

