

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033015\
 Data File : BF078103.D
 Acq On : 31 Mar 2015 4:38
 Operator : TP/IZ
 Sample : G1667-21RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Quant Time: Mar 31 05:38:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 28 05:37:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	42341	20.00	ng	-0.01
21) Naphthalene-d8	8.64	136	174774	20.00	ng	-0.01
38) Acenaphthene-d10	10.81	164	84144	20.00	ng	-0.01
63) Phenanthrene-d10	12.65	188	169375	20.00	ng	-0.01
75) Chrysene-d12	15.93	240	191742	20.00	ng	0.00
86) Perylene-d12	17.69	264	190453	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	48303	19.91	ng	-0.02
7) Phenol-d6	6.65	99	55305	18.45	ng	-0.02
23) Nitrobenzene-d5	7.76	82	38702	14.52	ng	-0.02
41) 2,4,6-Tribromophenol	11.79	330	27432	34.07	ng	-0.01
44) 2-Fluorobiphenyl	9.98	172	124957	21.82	ng	-0.01
78) Terphenyl-d14	14.64	244	278947	35.54	ng	-0.01

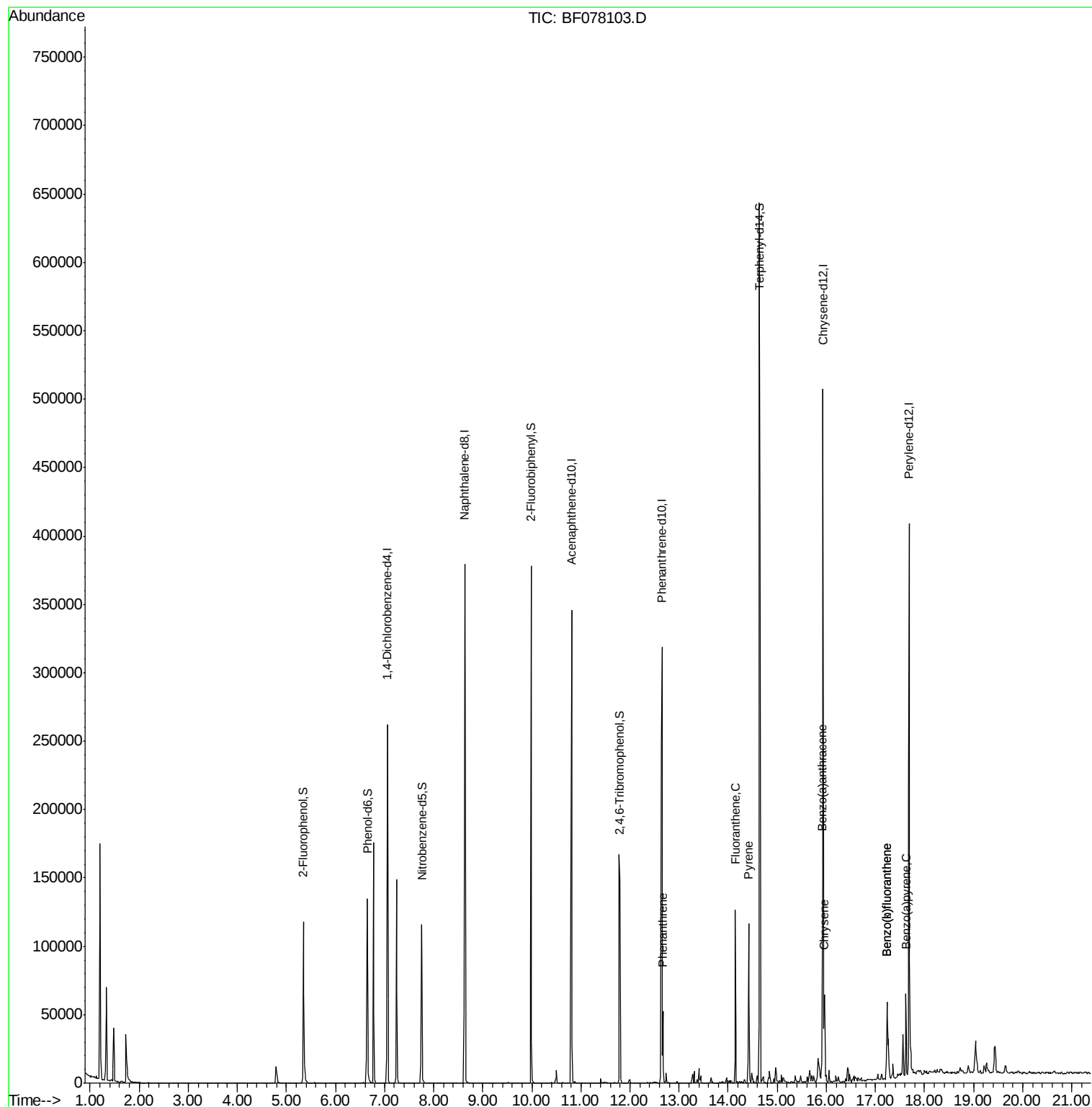
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.67	178	22495	2.31	ng	99
74) Fluoranthene	14.15	202	58804	5.48	ng	96
76) Benzidine	14.34	184	763	Below Cal	#	68
77) Pyrene	14.42	202	56073	4.65	ng	95
80) Benzo(a)anthracene	15.92	228	35891	3.16	ng	99
82) Chrysene	15.96	228	30822	3.02	ng	97
87) Benzo(b)fluoranthene	17.23	252	53732	4.32	ng	97
88) Benzo(k)fluoranthene	17.23	252	53957	5.56	ng	94
89) Benzo(a)pyrene	17.62	252	29783	2.87	ng	# 97

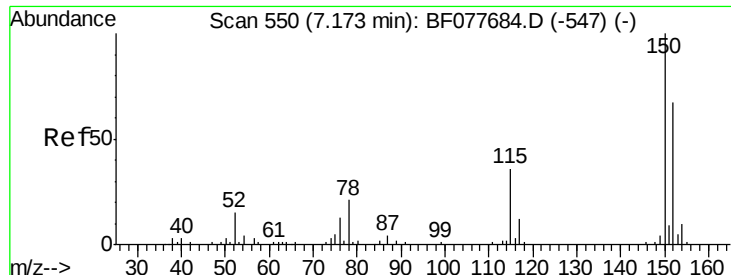
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 28 05:37:34 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.06 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

REC-7-1-4(1.5-2.0)RE

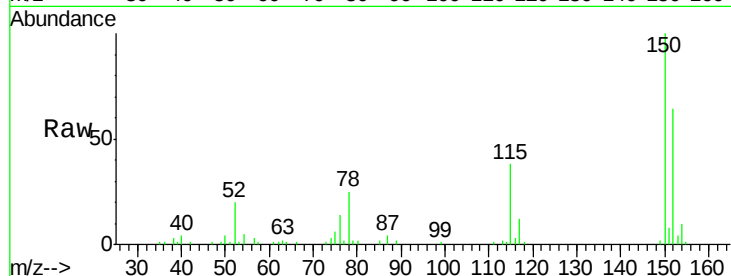
Tgt Ion:152 Resp: 42341

Ion Ratio Lower Upper

152 100

150 157.2 119.5 179.3

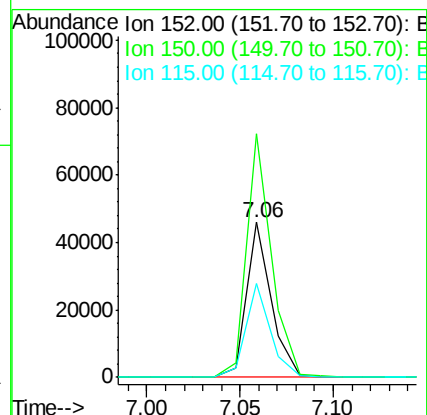
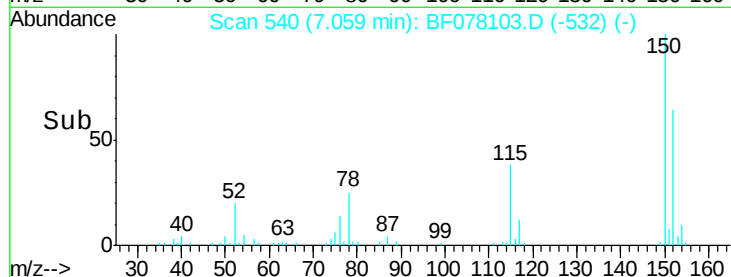
115 60.5 43.0 64.4



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: 19.91 ng

RT: 5.34 min Scan# 390

Delta R.T. -0.02 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

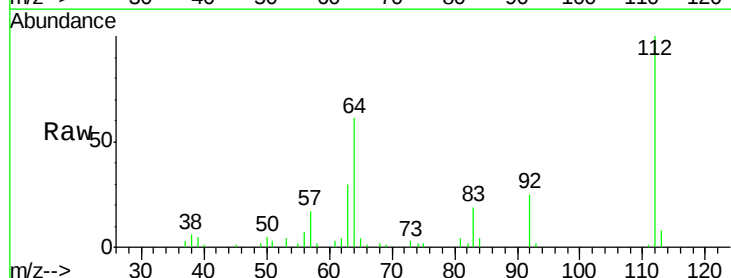
Tgt Ion:112 Resp: 48303

Ion Ratio Lower Upper

112 100

64 60.7 38.6 57.8#

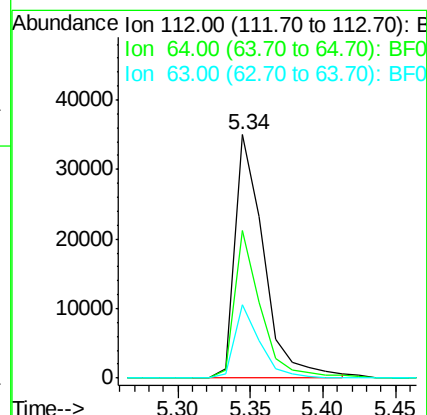
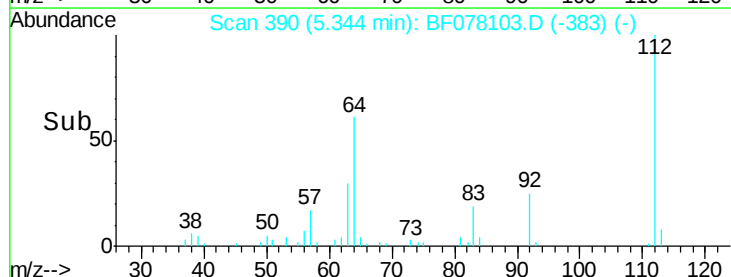
63 29.9 19.3 28.9#



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: 18.45 ng

RT: 6.65 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

REC-7-1-4(1.5-2.0)RE

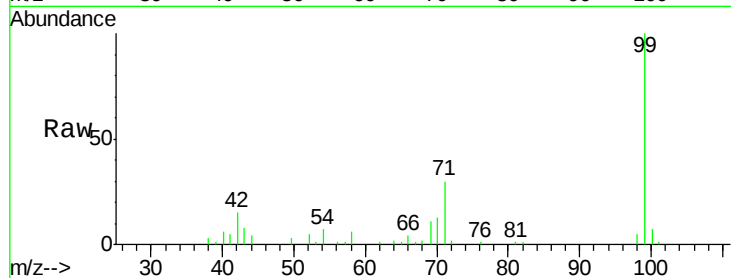
Tgt Ion: 99 Resp: 55305

Ion Ratio Lower Upper

99 100

42 14.8 11.0 16.4

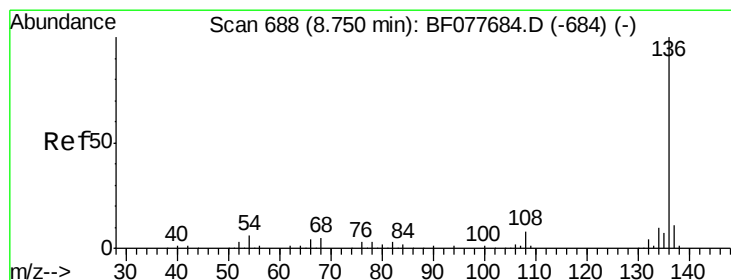
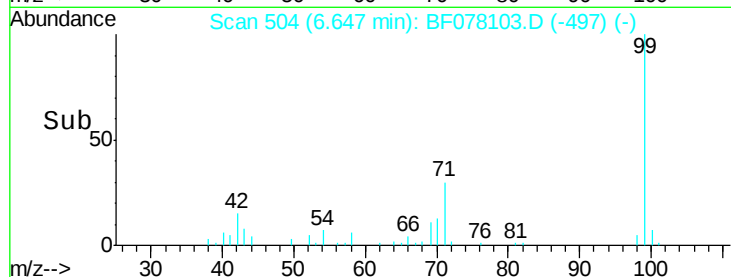
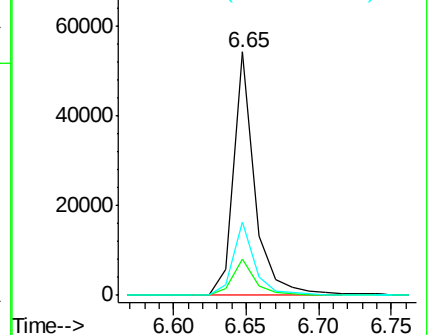
71 30.1 23.4 35.2



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: 8.64 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Tgt Ion: 136 Resp: 174774

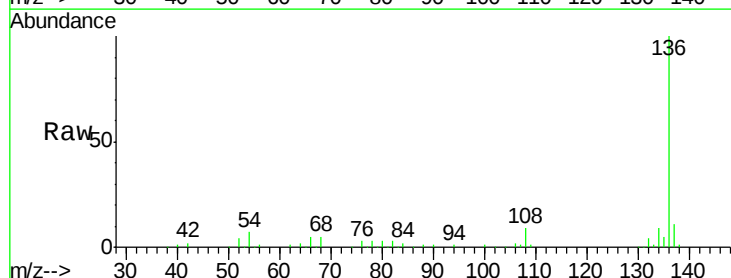
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.1 4.6 6.8#

68 5.4 3.7 5.5

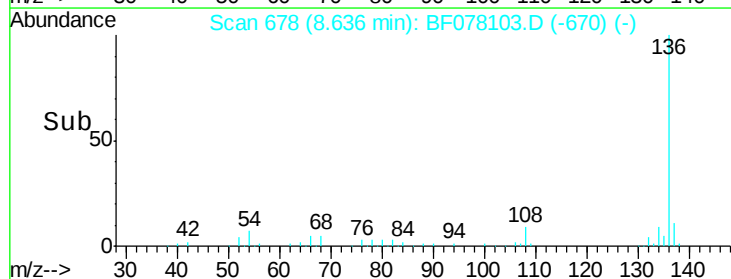
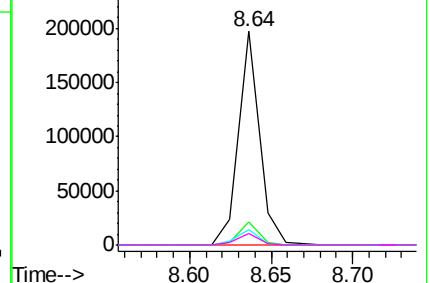


Abundance Ion 136.00 (135.70 to 136.70): E

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

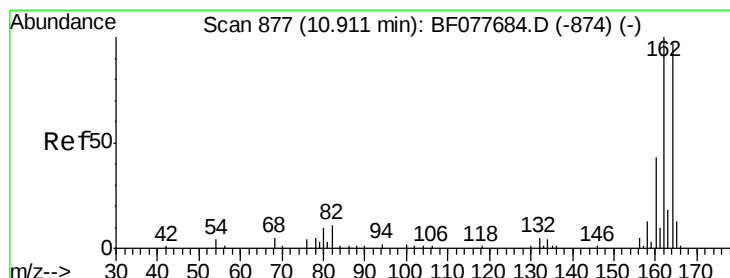
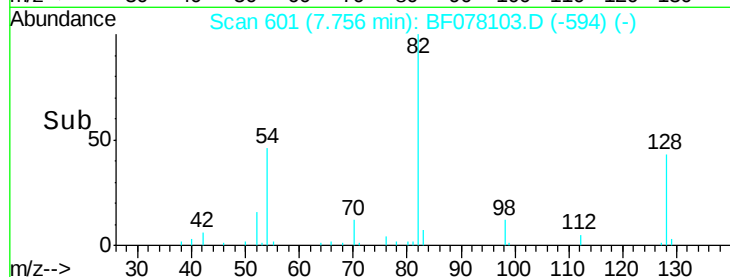
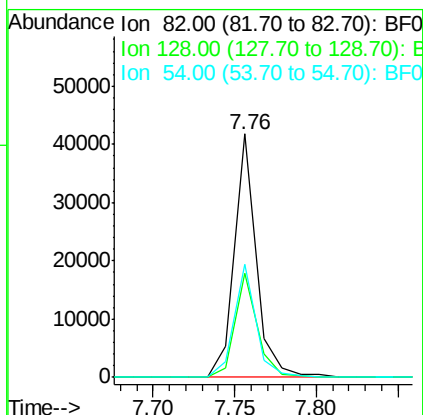
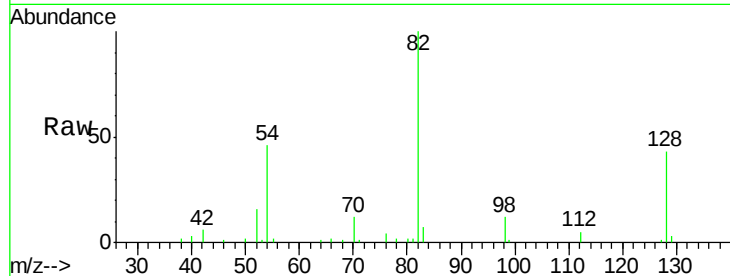




#23
 Nitrobenzene-d5
 Concen: 14.52 ng
 RT: 7.76 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

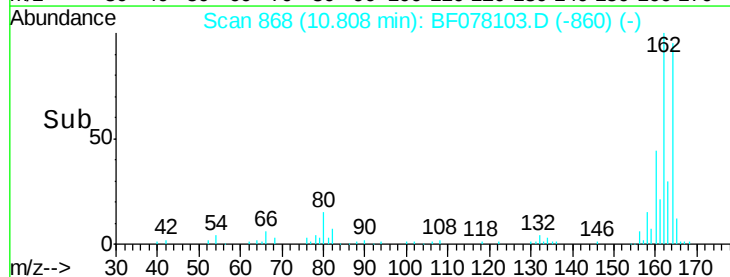
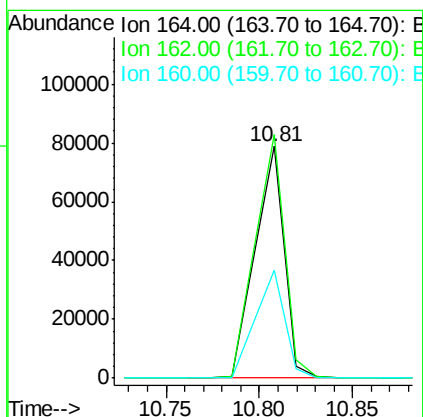
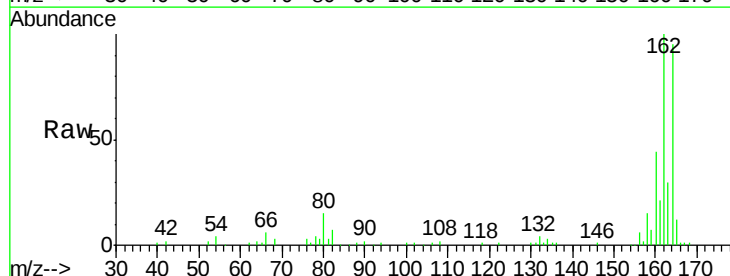
Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion: 82 Resp: 38702
 Ion Ratio Lower Upper
 82 100
 128 43.0 32.8 49.2
 54 46.2 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.81 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion: 164 Resp: 84144
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.4 123.6
 160 46.5 35.8 53.6

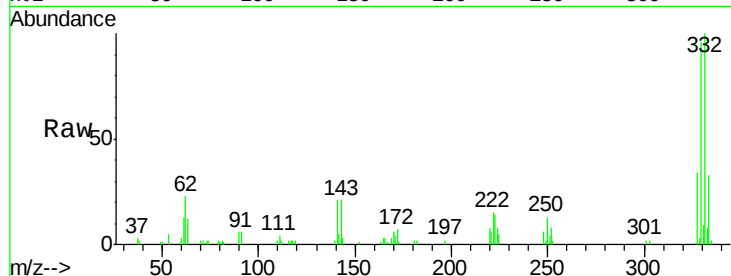




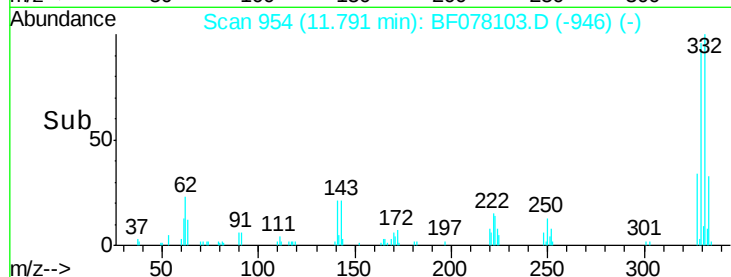
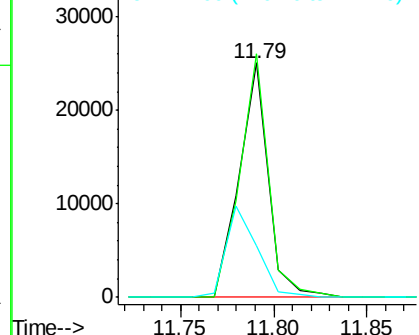
#41
 2,4,6-Tribromophenol
 Concen: 34.07 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.3	0.0	0.0#
141	41.5	0.0	0.0#

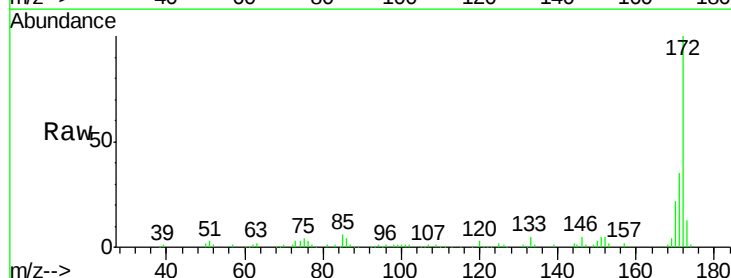


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

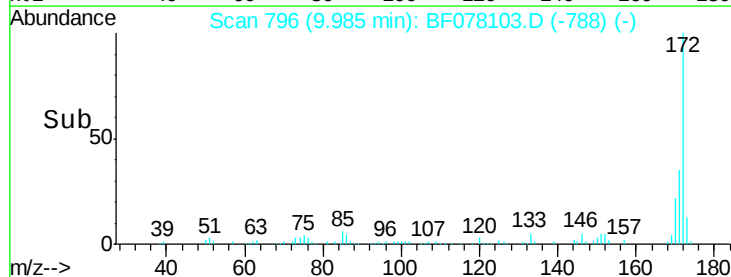
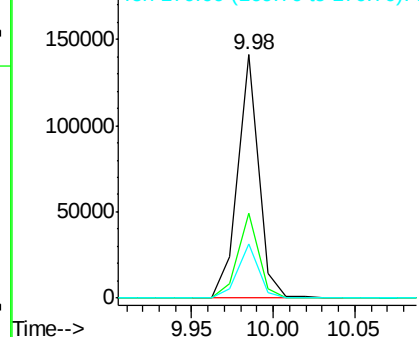


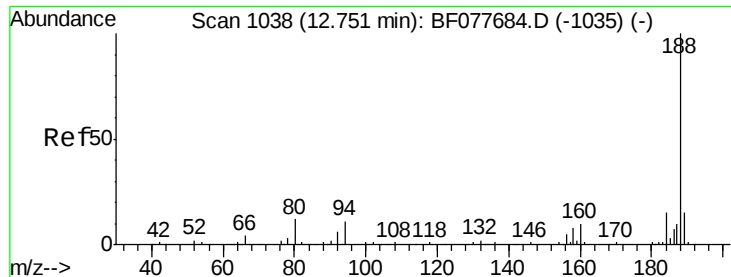
#44
 2-Fluorobiphenyl
 Concen: 21.82 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	22.4	18.8	28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

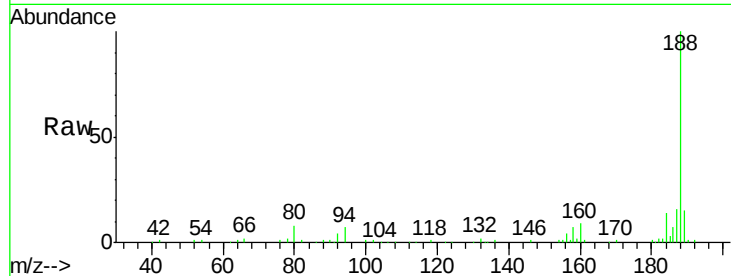




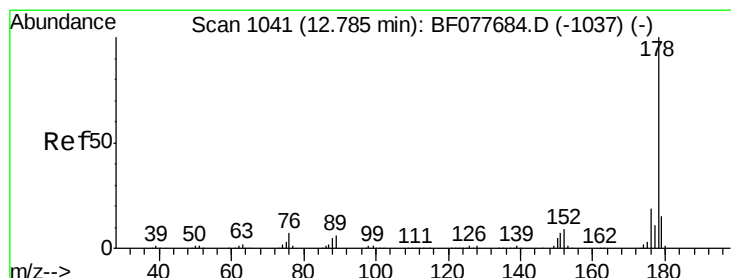
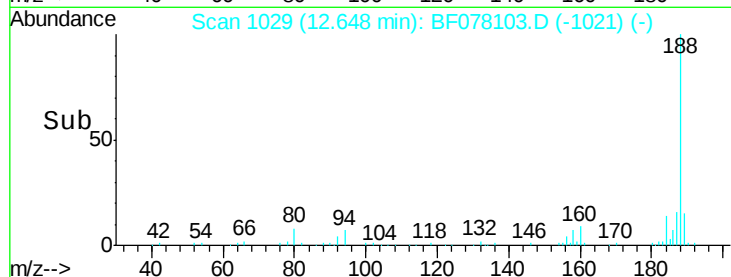
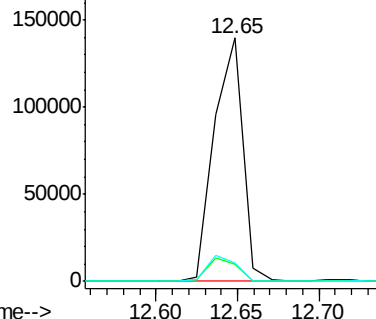
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

Tgt Ion:188 Resp: 169375
Ion Ratio Lower Upper
188 100
94 7.0 8.7 13.1#
80 7.5 9.3 13.9#

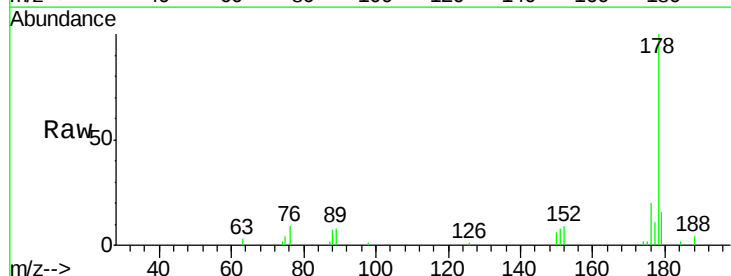


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

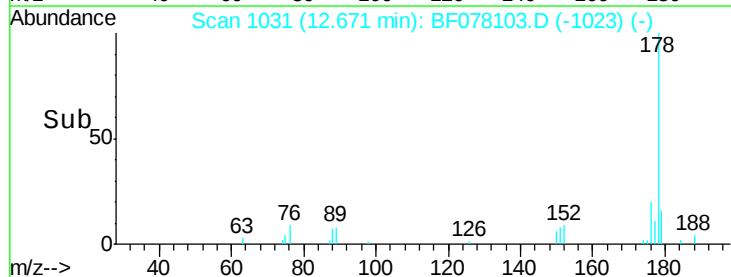
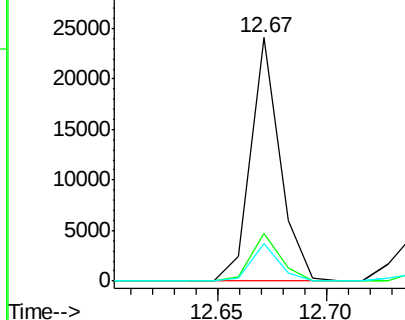


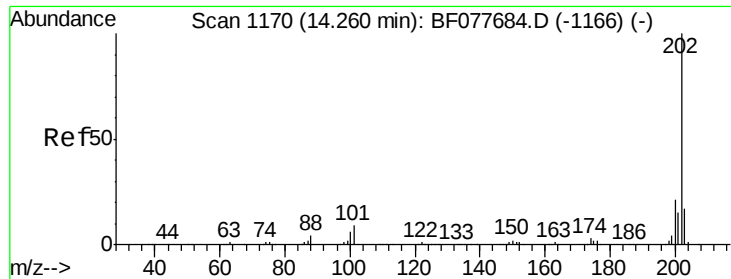
#70
Phenanthrene
Concen: 2.31 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Tgt Ion:178 Resp: 22495
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 15.6 12.1 18.1



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

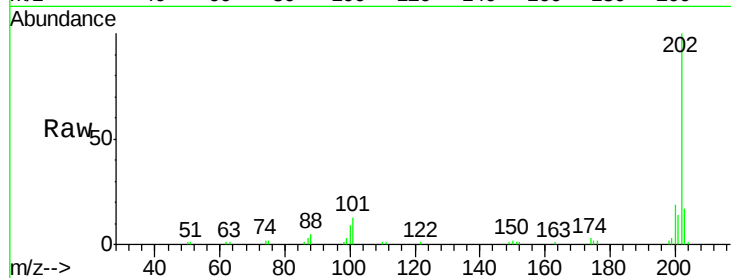




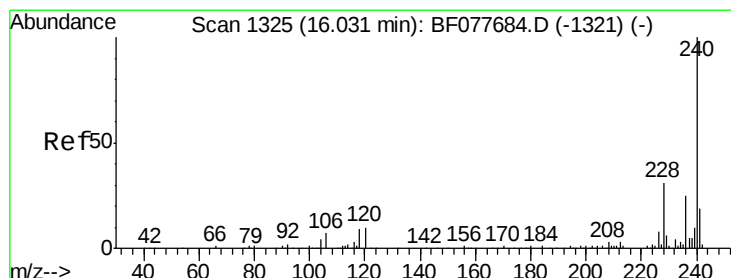
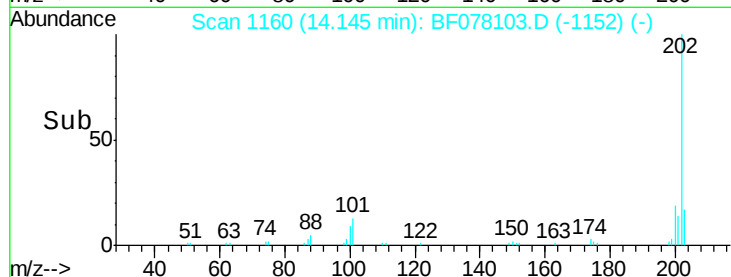
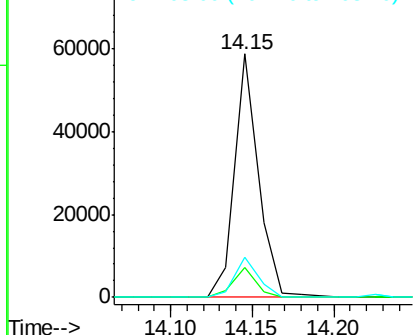
#74
Fluoranthene
Concen: 5.48 ng
RT: 14.15 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

Tgt Ion: 202 Resp: 58804
Ion Ratio Lower Upper
202 100
101 12.5 0.0 28.7
203 16.6 0.0 37.2

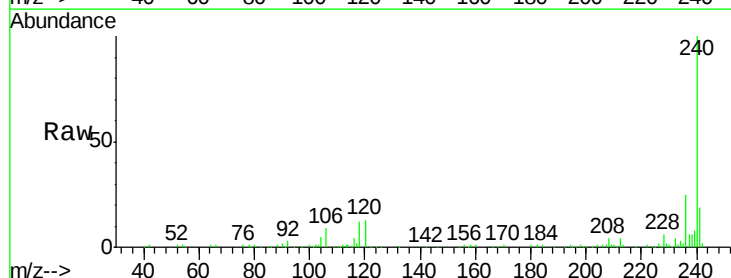


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

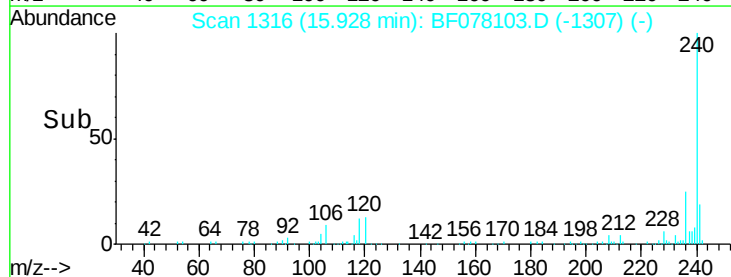
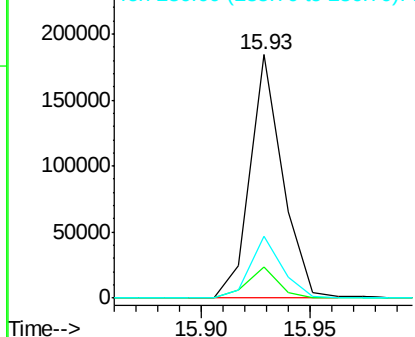


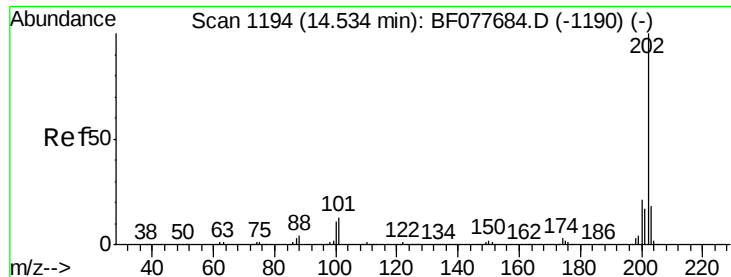
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.93 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Tgt Ion: 240 Resp: 191742
Ion Ratio Lower Upper
240 100
120 12.8 8.2 12.2#
236 25.2 20.0 30.0



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: 4.65 ng

RT: 14.42 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

REC-7-1-4(1.5-2.0)RE

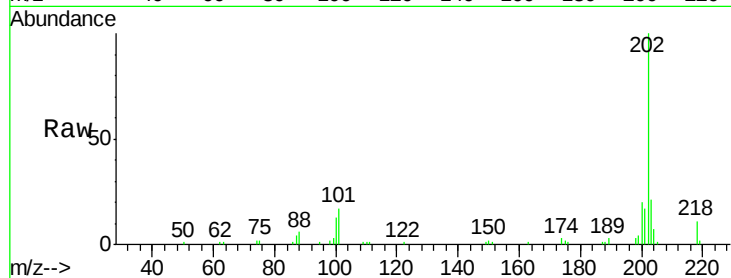
Tgt Ion: 202 Resp: 56073

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

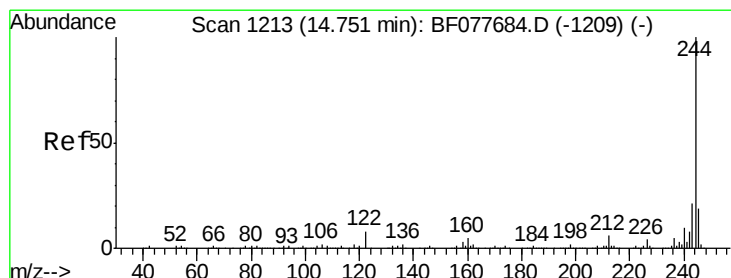
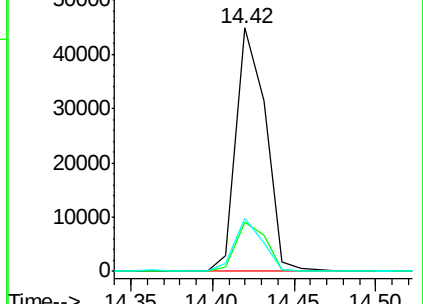
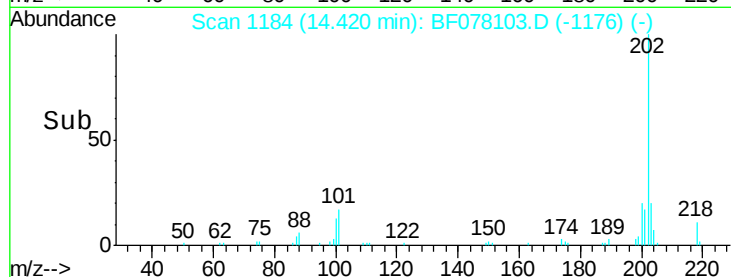
203 21.5 14.1 21.1#



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: 35.54 ng

RT: 14.64 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

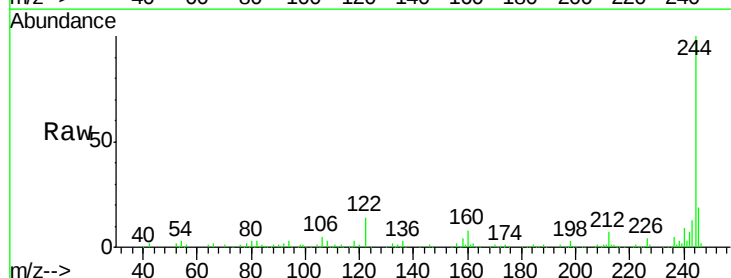
Tgt Ion: 244 Resp: 278947

Ion Ratio Lower Upper

244 100

212 6.7 4.9 7.3

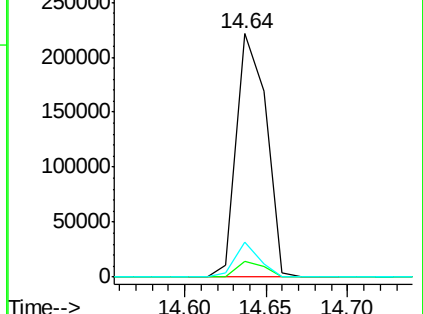
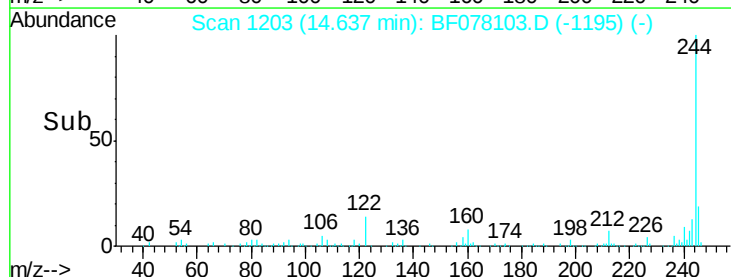
122 14.2 6.2 9.4#

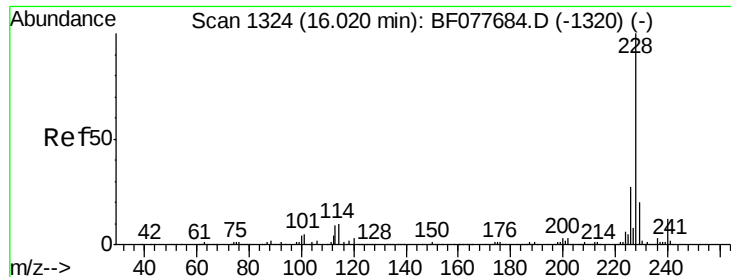


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.16 ng

RT: 15.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

REC-7-1-4(1.5-2.0)RE

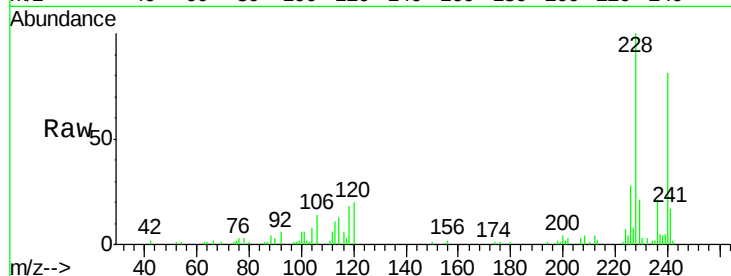
Tgt Ion:228 Resp: 35891

Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

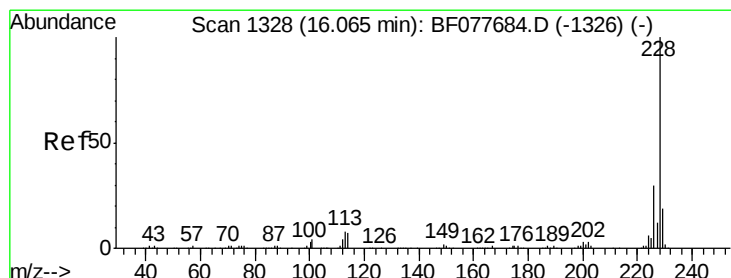
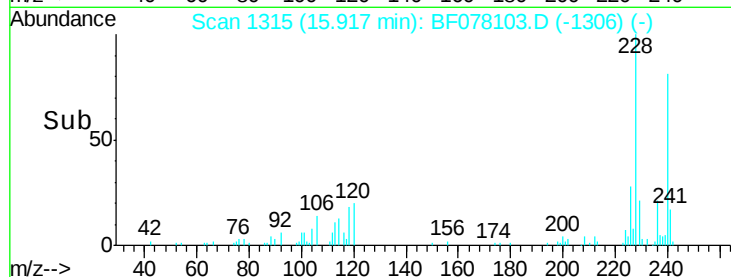
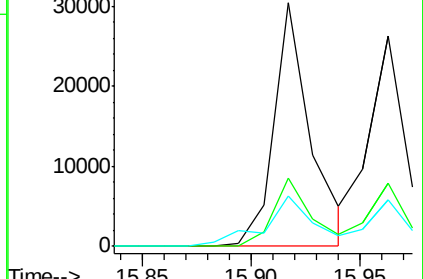
229 20.7 16.0 24.0



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



#82

Chrysene

Concen: 3.02 ng

RT: 15.96 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

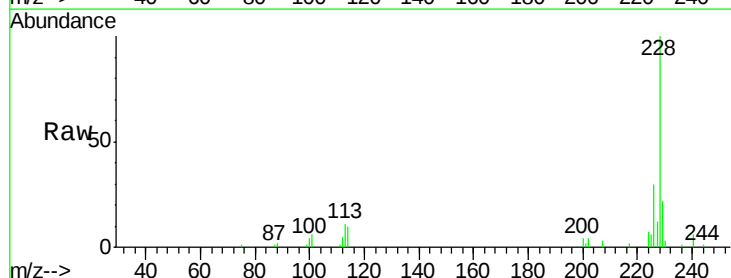
Tgt Ion:228 Resp: 30822

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

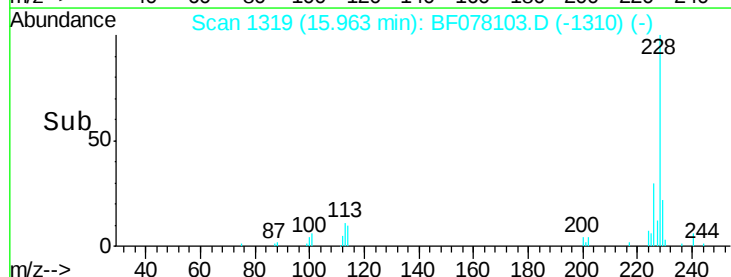
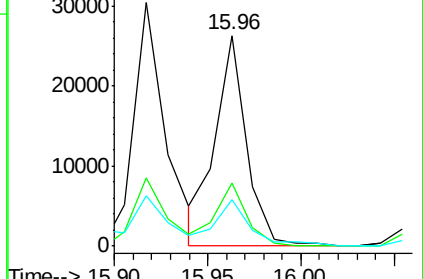
229 22.4 15.5 23.3

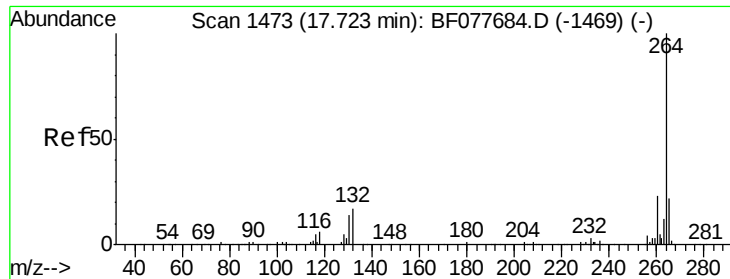


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.69 min Scan# 1470

Delta R.T. 0.07 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

REC-7-1-4(1.5-2.0)RE

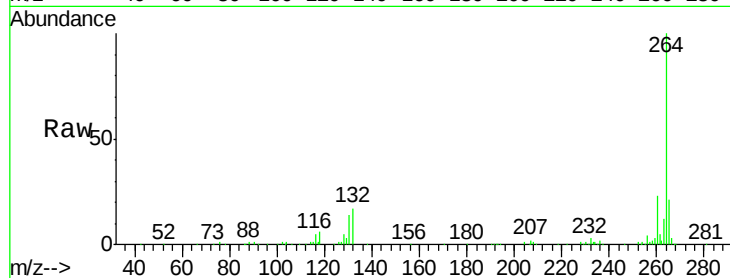
Tgt Ion:264 Resp: 190453

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

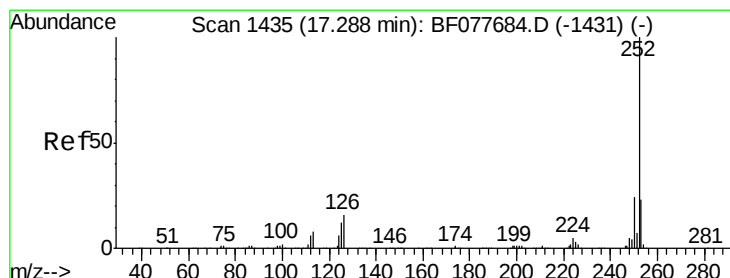
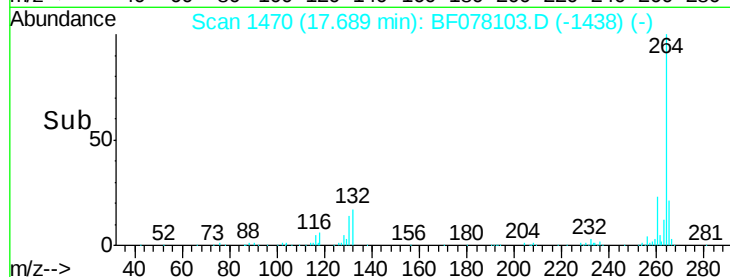
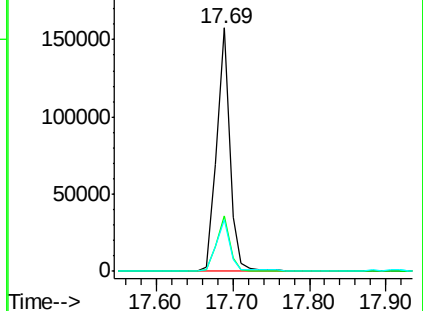
265 21.2 17.3 25.9



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: 4.32 ng

RT: 17.23 min Scan# 1430

Delta R.T. 0.05 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

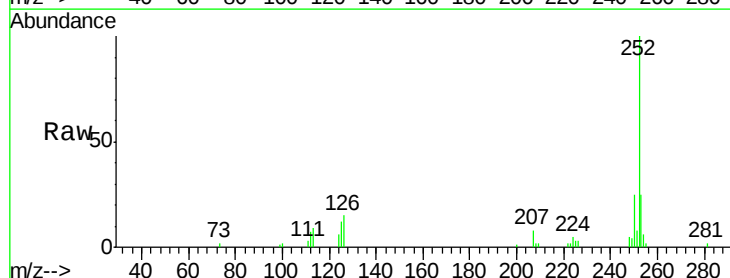
Tgt Ion:252 Resp: 53732

Ion Ratio Lower Upper

252 100

253 24.5 18.0 27.0

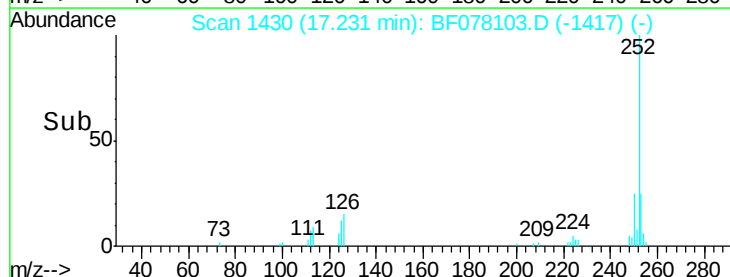
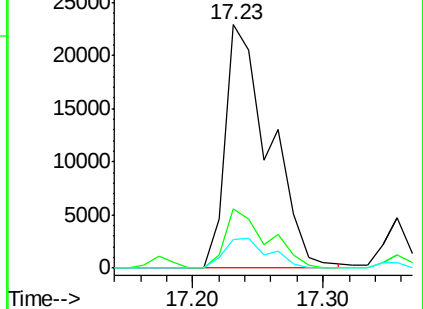
125 11.6 9.9 14.9

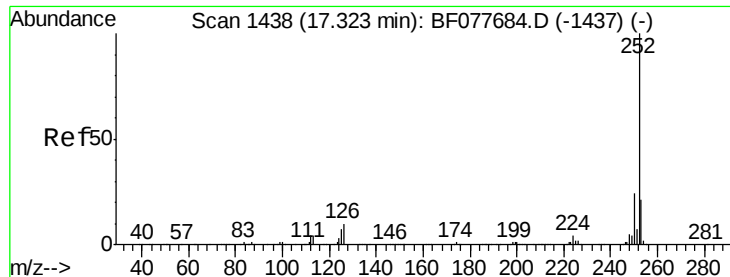


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

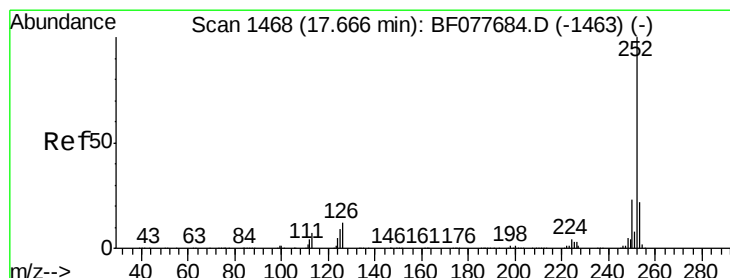
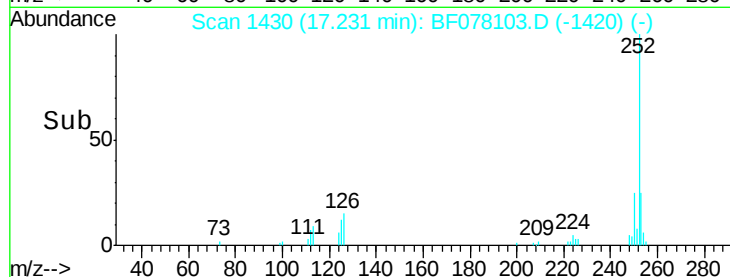
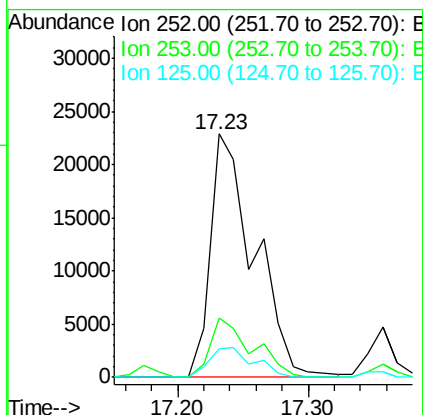
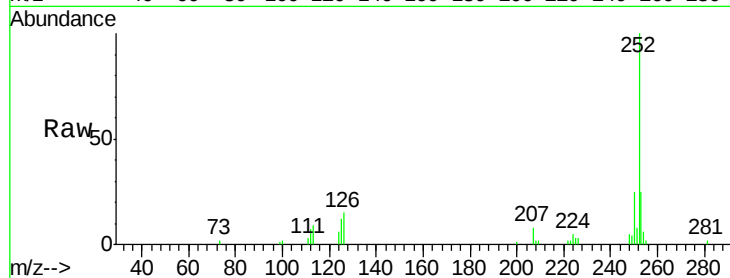




#88
Benzo(k)fluoranthene
Concen: 5.56 ng
RT: 17.23 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

Tgt Ion: 252 Resp: 53957
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 11.6 8.1 12.1



#89
Benzo(a)pyrene
Concen: 2.87 ng
RT: 17.62 min Scan# 1464
Delta R.T. 0.06 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Tgt Ion: 252 Resp: 29783
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.7 7.4 11.2#

