

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032715\
 Data File : BF078068.D
 Acq On : 28 Mar 2015 8:22
 Operator : TP/IZ
 Sample : G1667-21
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Mar 30 00:14:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 30 00:50:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	37836	20.00	ng	0.00
21) Naphthalene-d8	8.65	136	159102	20.00	ng	0.00
38) Acenaphthene-d10	10.82	164	75760	20.00	ng	0.00
63) Phenanthrene-d10	12.65	188	153023	20.00	ng	0.00
75) Chrysene-d12	15.93	240	168525	20.00	ng	0.00
86) Perylene-d12	17.70	264	169712	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	44360	20.46	ng	0.00
7) Phenol-d6	6.67	99	49314	18.41	ng	0.00
23) Nitrobenzene-d5	7.77	82	34949	14.40	ng	-0.01
41) 2,4,6-Tribromophenol	11.80	330	25243	34.82	ng	0.00
44) 2-Fluorobiphenyl	10.00	172	111094	21.55	ng	0.00
78) Terphenyl-d14	14.65	244	249804	36.21	ng	0.00

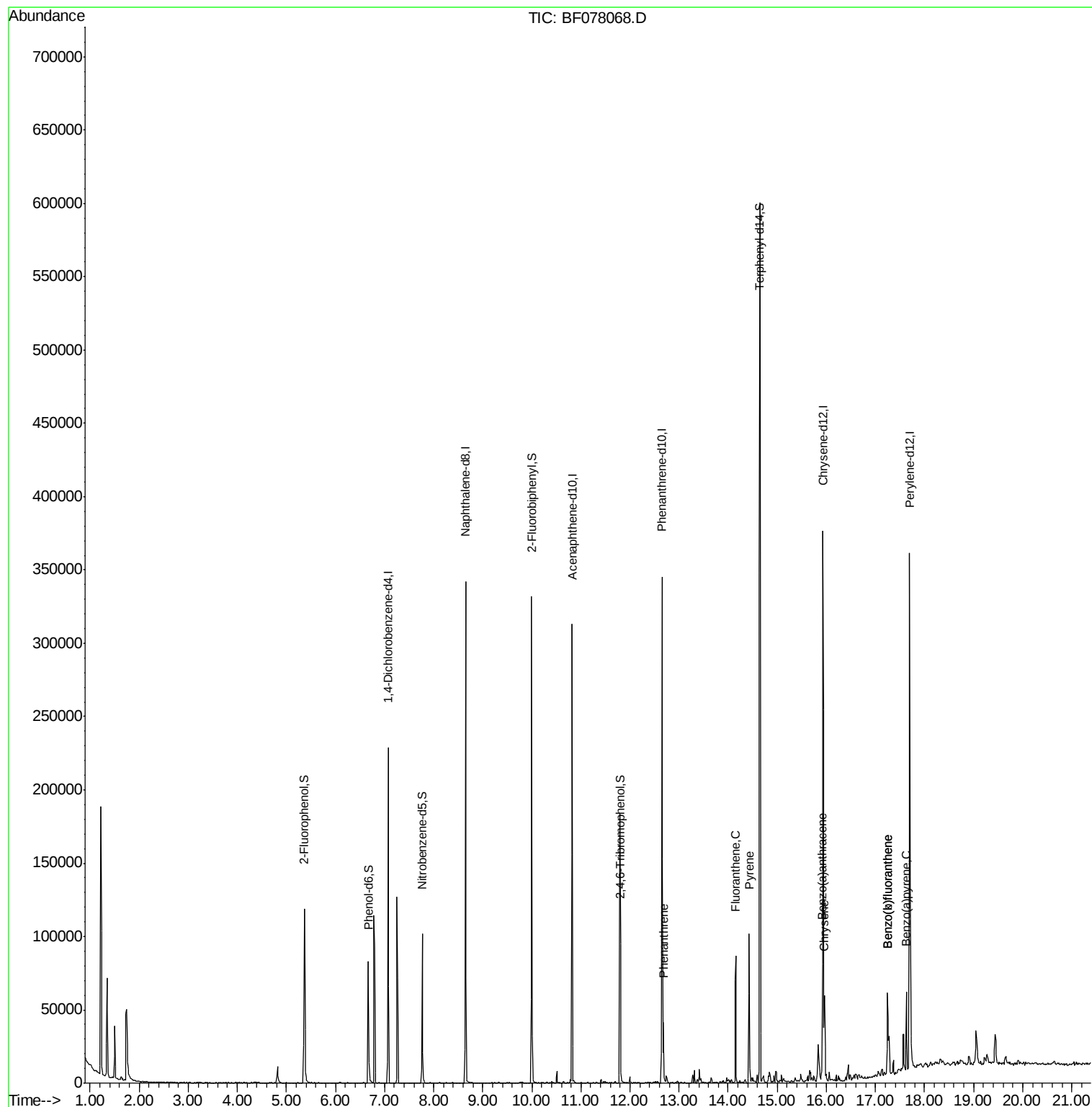
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.68	178	19651	2.24	ng	99
74) Fluoranthene	14.16	202	52773	5.45	ng	99
76) Benzidine	14.35	184	1103	Below Cal	#	68
77) Pyrene	14.43	202	50935	4.81	ng	99
80) Benzo(a)anthracene	15.92	228	29954	3.00	ng	97
82) Chrysene	15.96	228	28022	3.12	ng	98
87) Benzo(b)fluoranthene	17.24	252	49578	4.47	ng	96
88) Benzo(k)fluoranthene	17.24	252	49341	5.70	ng	# 93
89) Benzo(a)pyrene	17.63	252	26413	2.86	ng	# 94

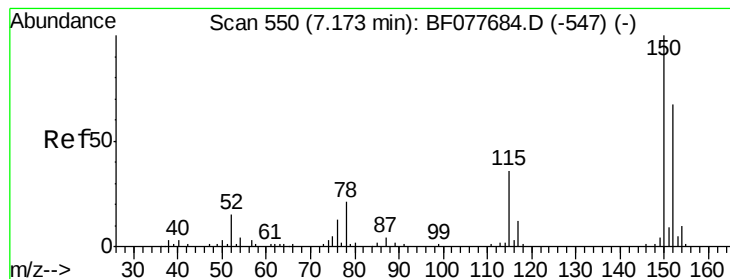
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

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

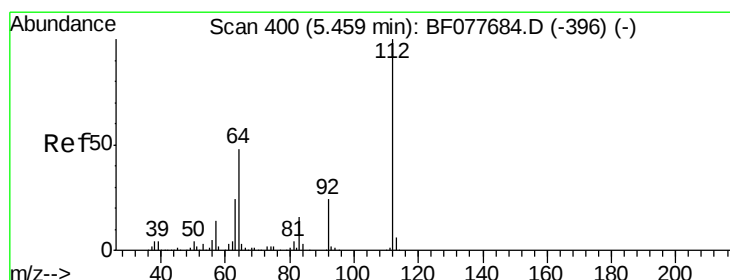
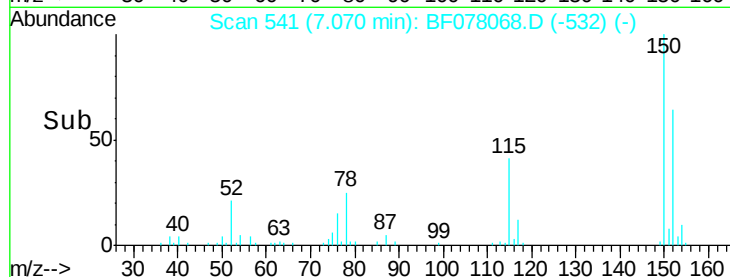
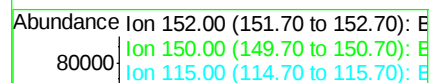
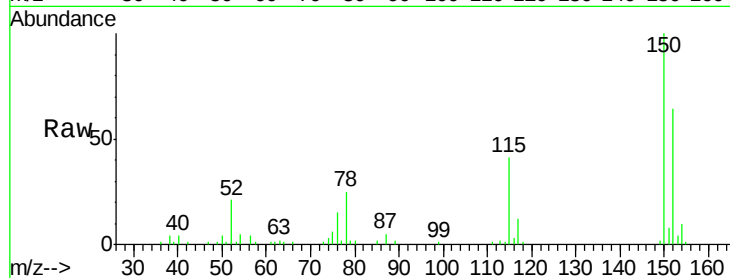
Tgt Ion:152 Resp: 37836

Ion Ratio Lower Upper

152 100

150 157.4 119.5 179.3

115 64.1 43.0 64.4



#5

2-Fluorophenol

Concen: 20.46 ng

RT: 5.37 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

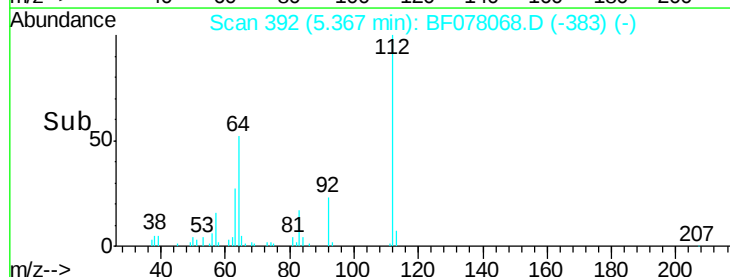
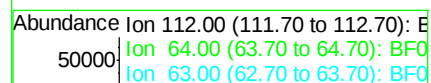
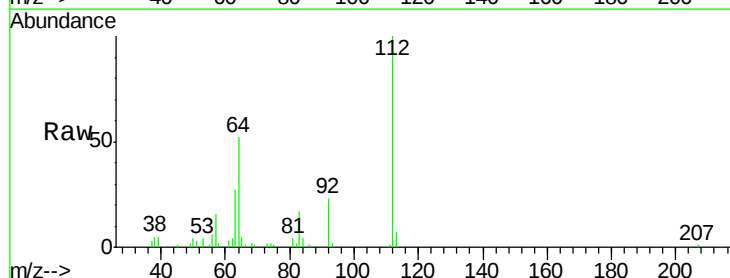
Tgt Ion:112 Resp: 44360

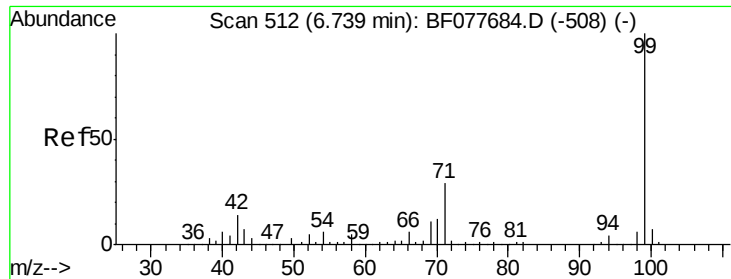
Ion Ratio Lower Upper

112 100

64 52.2 38.6 57.8

63 26.5 19.3 28.9





#7

Phenol-d6

Concen: 18.41 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

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

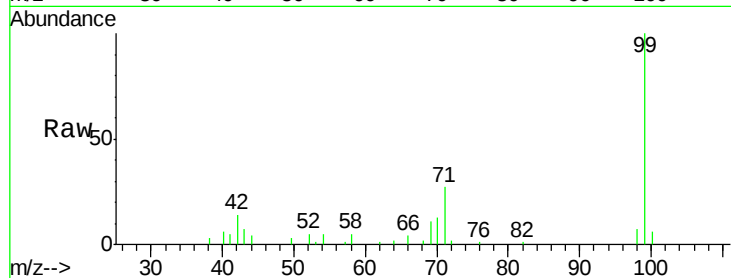
Tgt Ion: 99 Resp: 49314

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.4

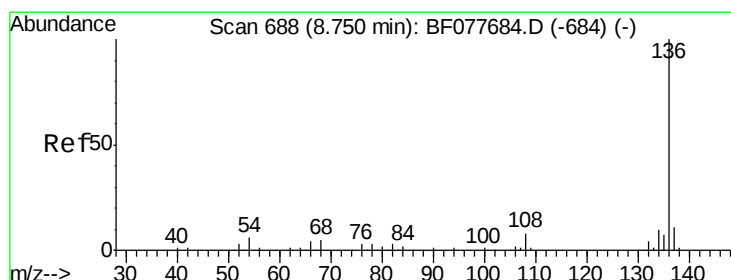
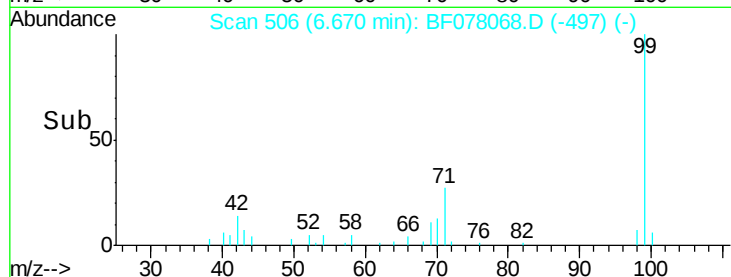
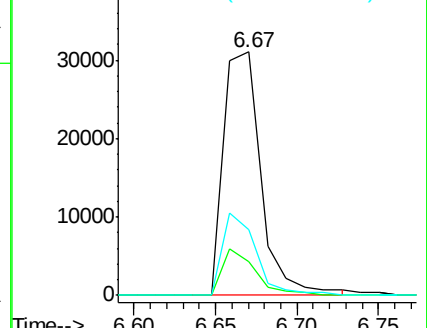
71 27.2 23.4 35.2



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: 8.65 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Tgt Ion: 136 Resp: 159102

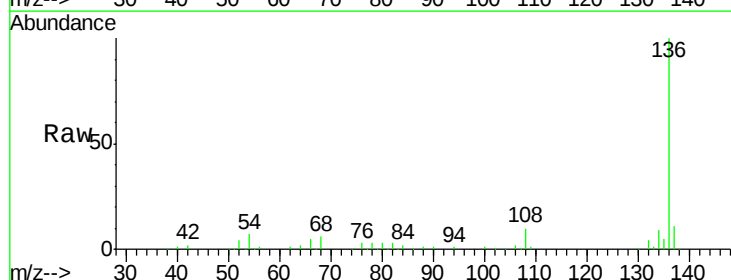
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.0 4.6 6.8#

68 5.8 3.7 5.5#

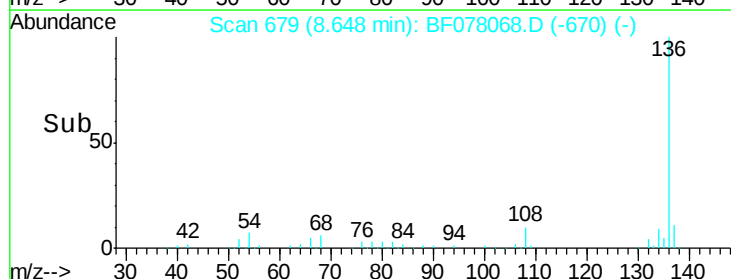
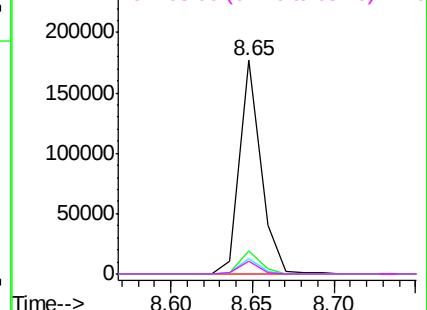


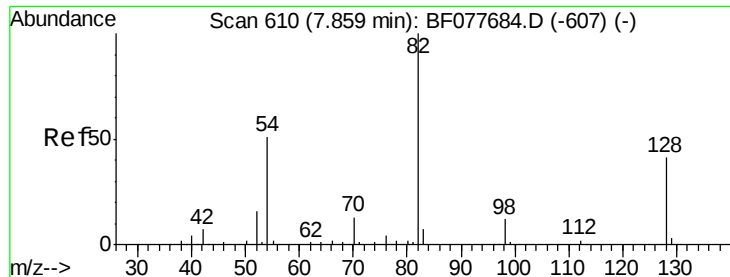
Abundance Ion 136.00 (135.70 to 136.70): E

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

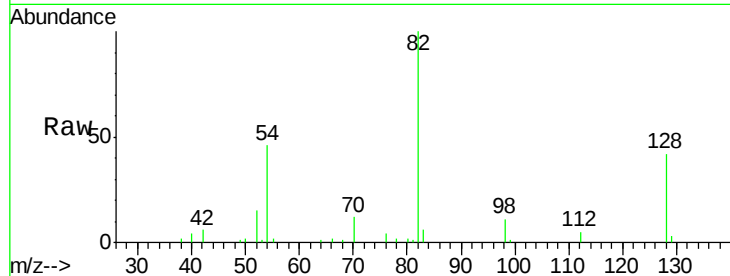




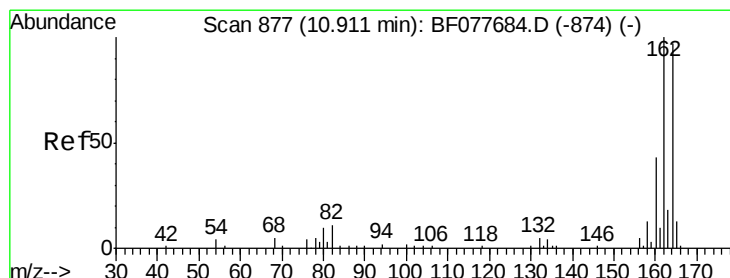
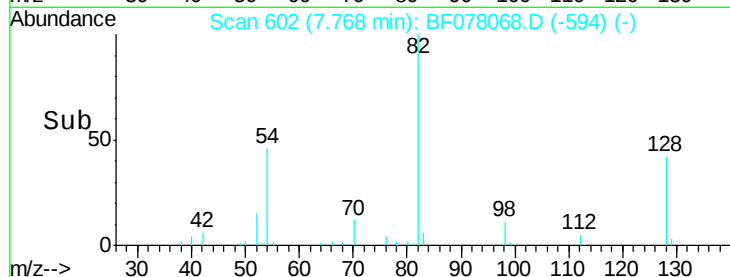
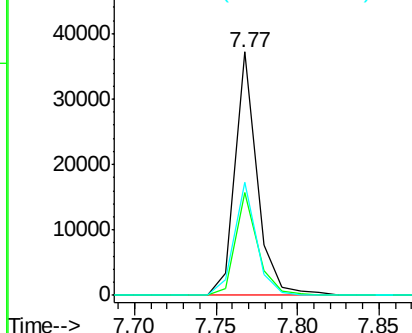
#23
 Nitrobenzene-d5
 Concen: 14.40 ng
 RT: 7.77 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	46.5	40.6	60.8

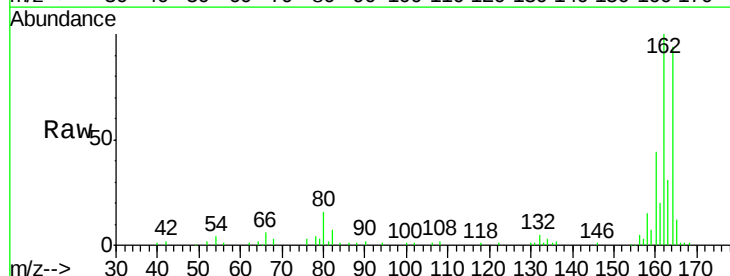


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

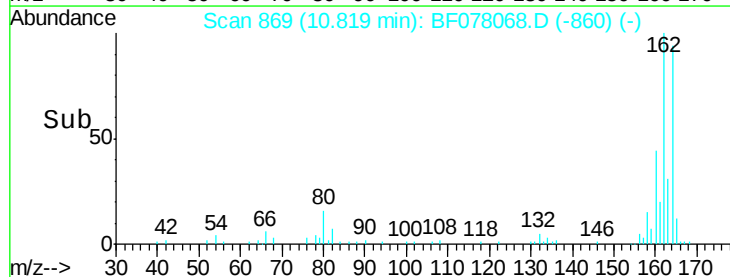
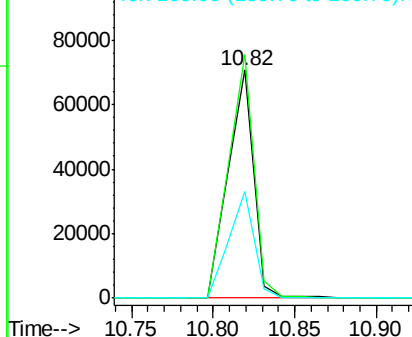


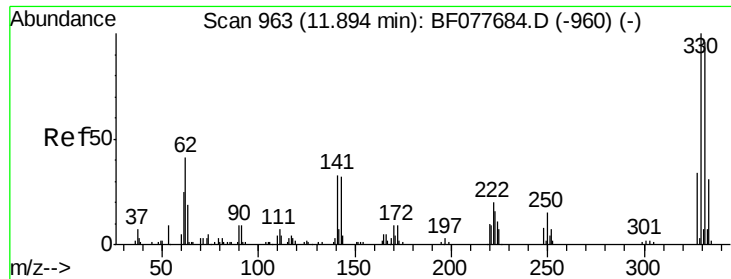
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.82 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.4	123.6
160	46.6	35.8	53.6



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

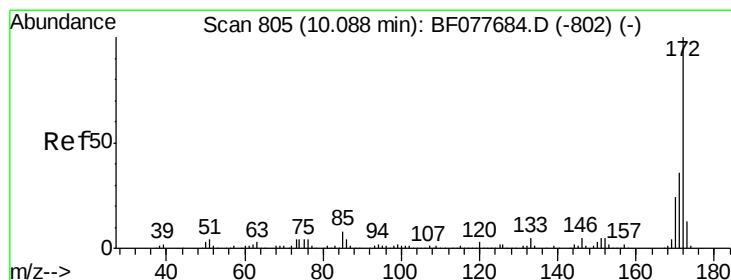
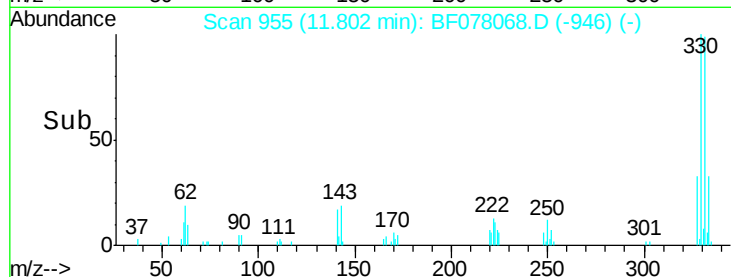
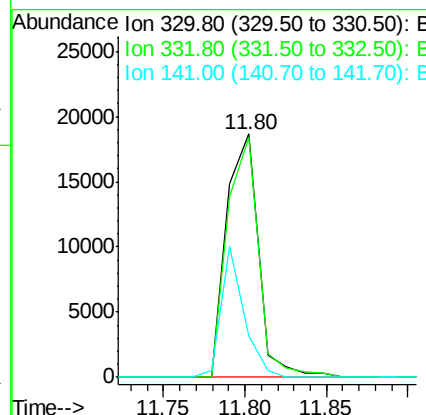
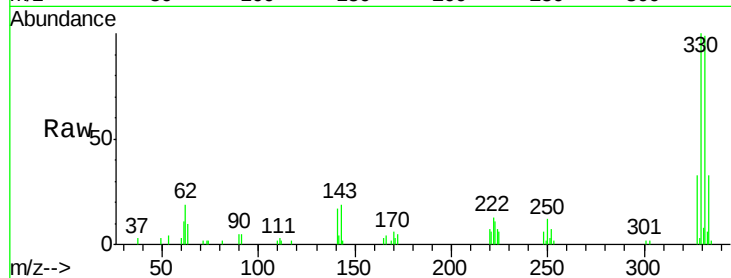




#41
 2,4,6-Tribromophenol
 Concen: 34.82 ng
 RT: 11.80 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

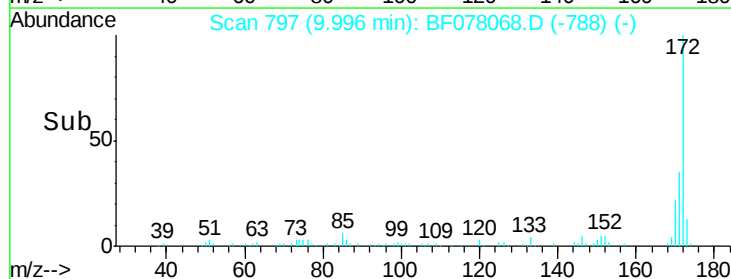
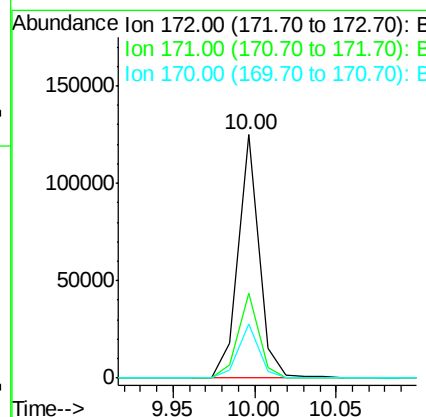
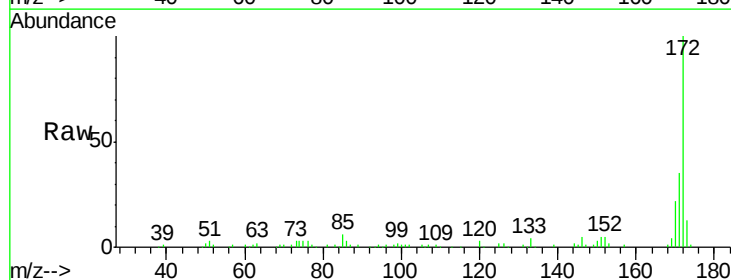
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 REC-7-1-4(1.5-2.0)

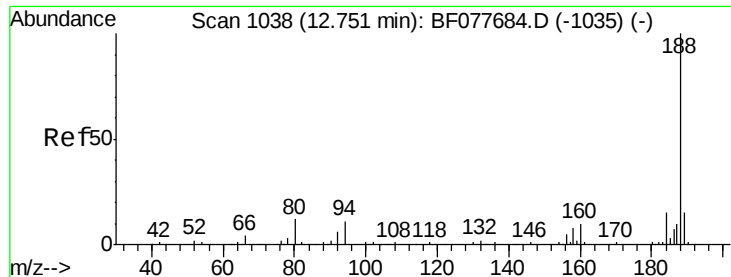
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	39.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 21.55 ng
 RT: 10.00 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	22.4	18.8	28.2

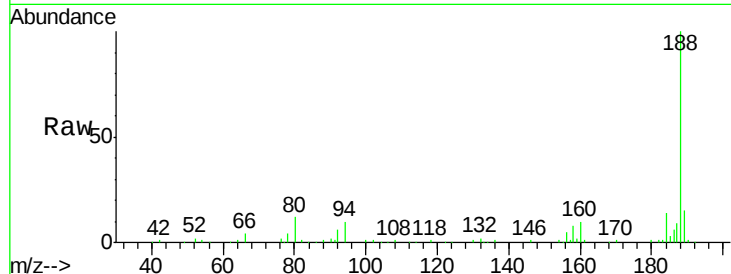




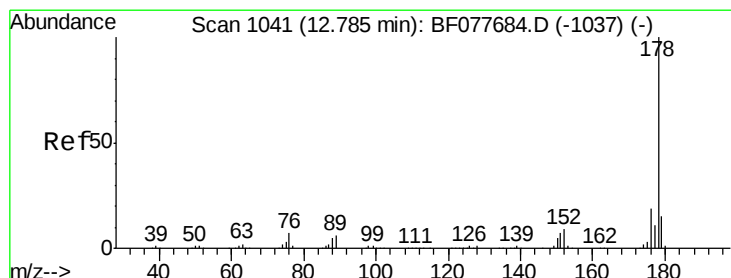
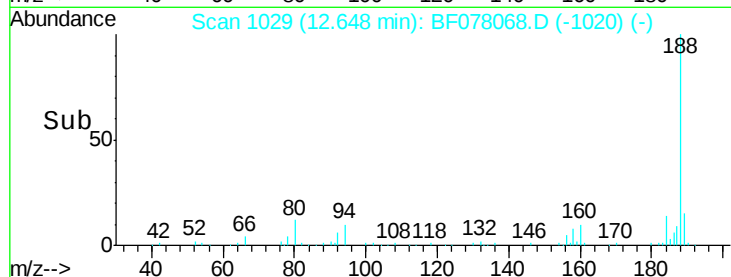
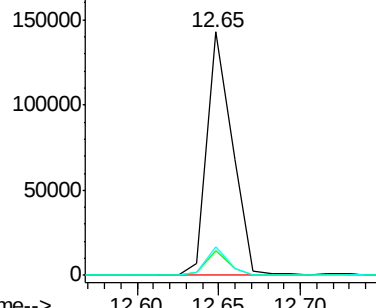
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.65 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

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

Tgt Ion:188 Resp: 153023
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.7 13.1
 80 12.0 9.3 13.9

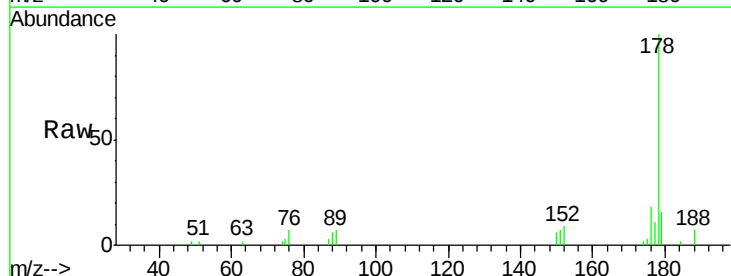


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

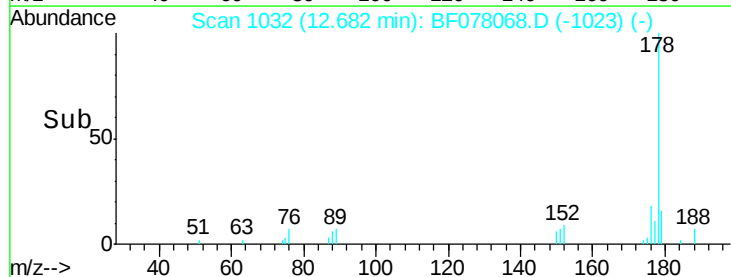
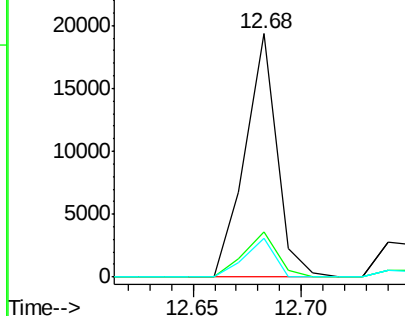


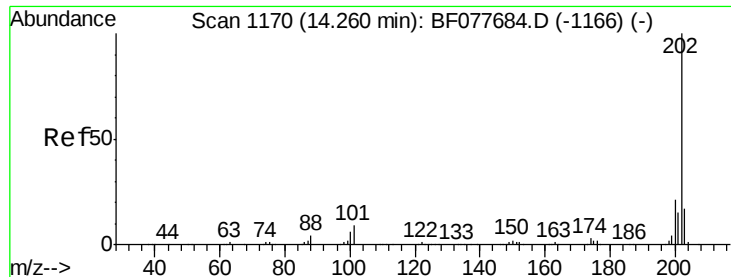
#70
 Phenanthrene
 Concen: 2.24 ng
 RT: 12.68 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Tgt Ion:178 Resp: 19651
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 15.8 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

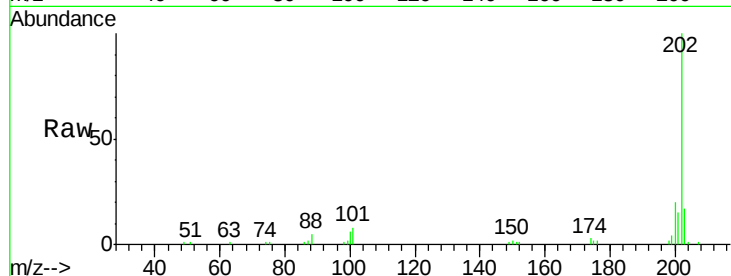




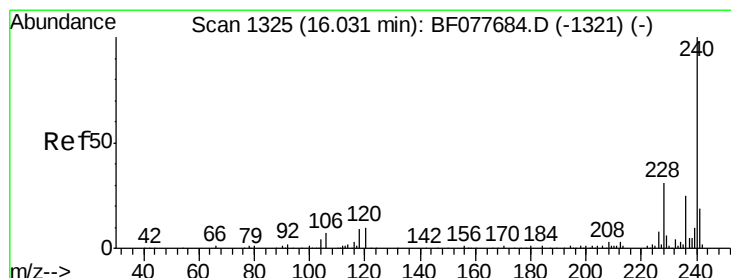
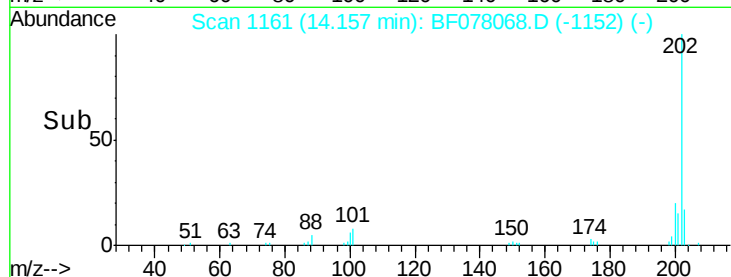
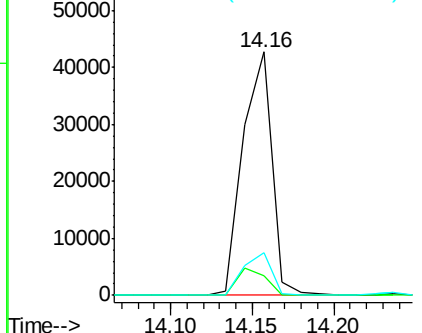
#74
 Fluoranthene
 Concen: 5.45 ng
 RT: 14.16 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

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 BNA_F
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Tgt Ion: 202 Resp: 52773
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 28.7
 203 17.5 0.0 37.2

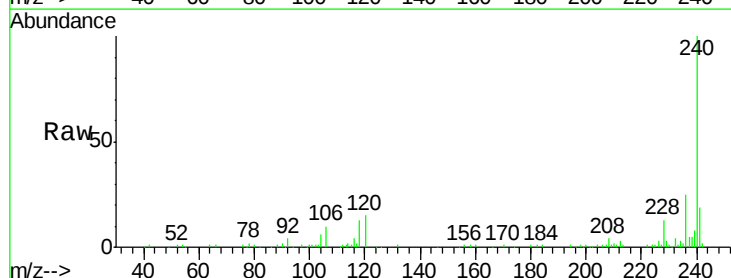


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

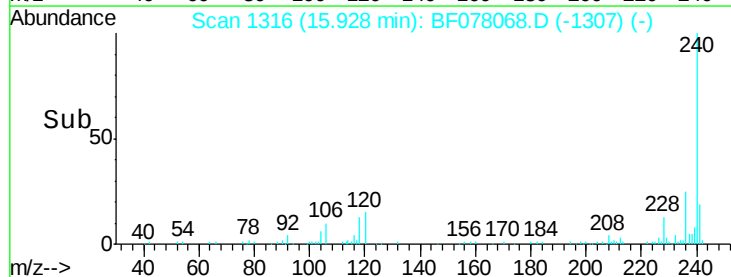
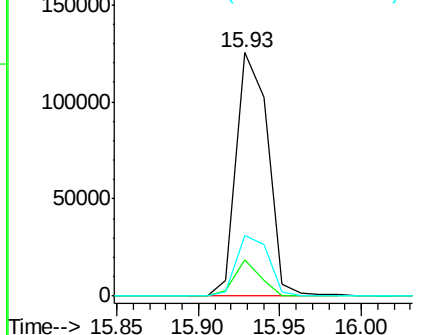


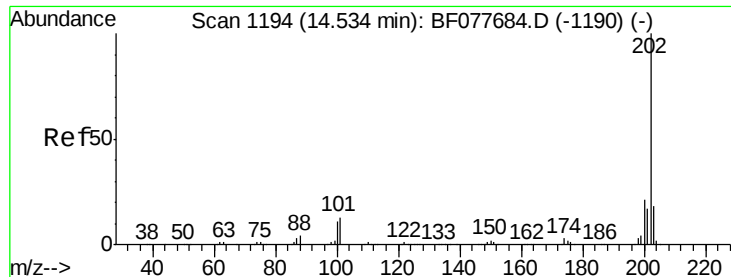
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Tgt Ion: 240 Resp: 168525
 Ion Ratio Lower Upper
 240 100
 120 14.7 8.2 12.2#
 236 25.0 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

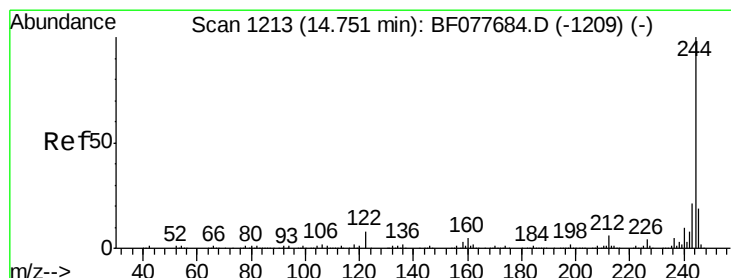
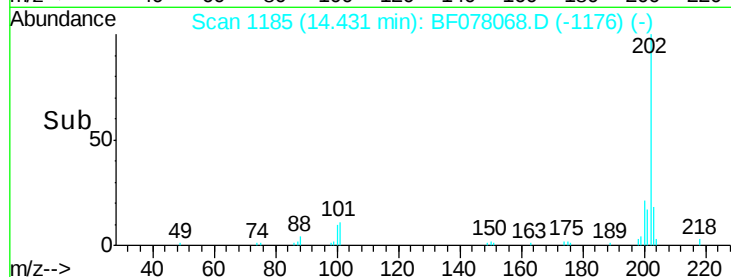
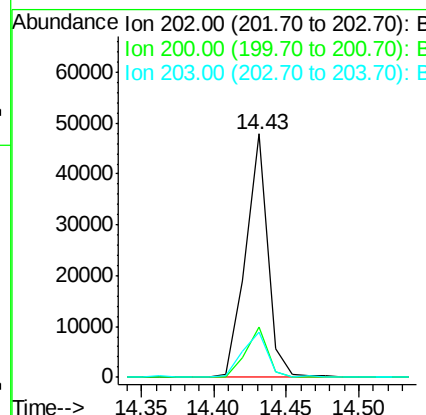
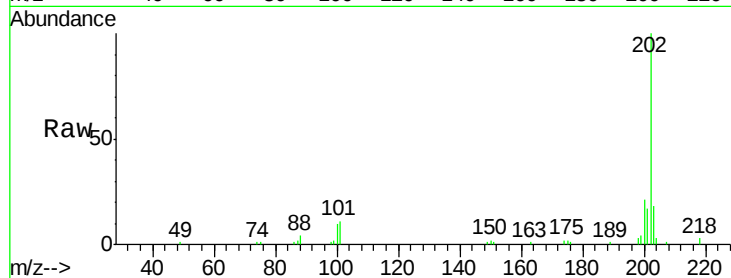




#77
 Pyrene
 Concen: 4.81 ng
 RT: 14.43 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

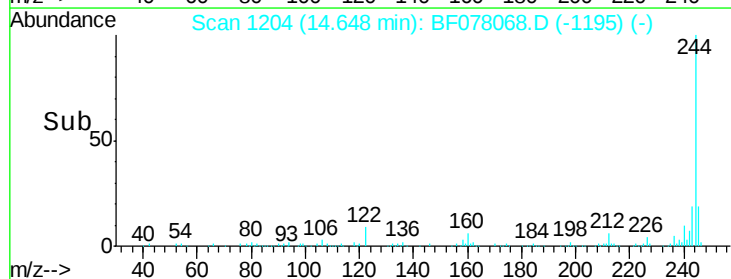
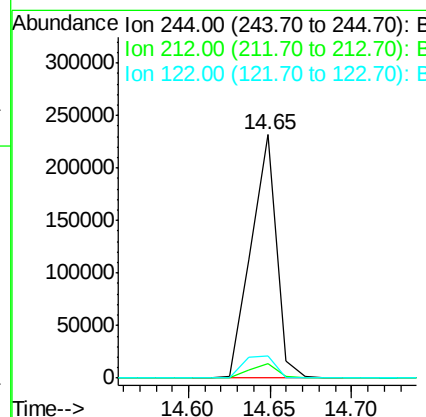
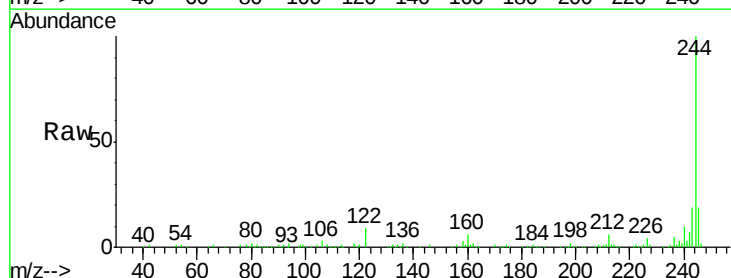
Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)

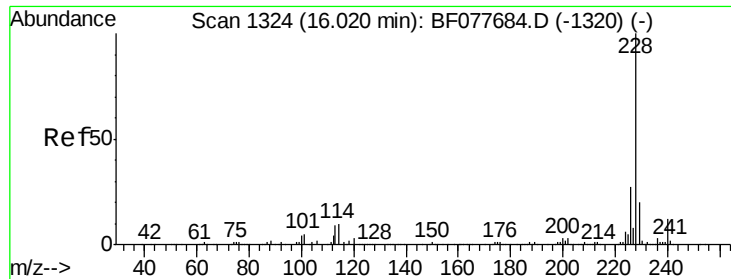
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	18.3	14.1	21.1



#78
 Terphenyl-d14
 Concen: 36.21 ng
 RT: 14.65 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078068.D
 Acq: 28 Mar 2015 8:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	4.9	7.3
122	9.0	6.2	9.4





#80

Benzo(a)anthracene

Concen: 3.00 ng

RT: 15.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

Instrument :

BNA_F

ClientSampleId :

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

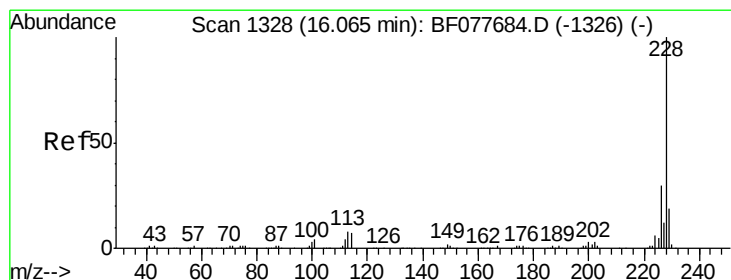
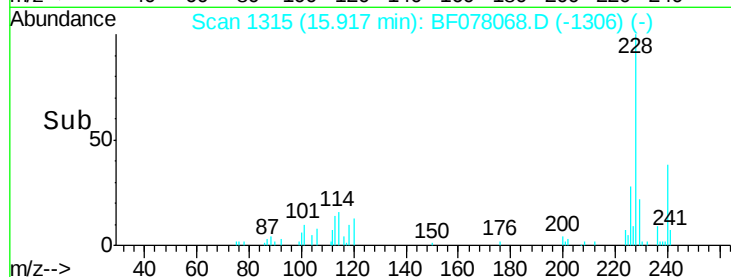
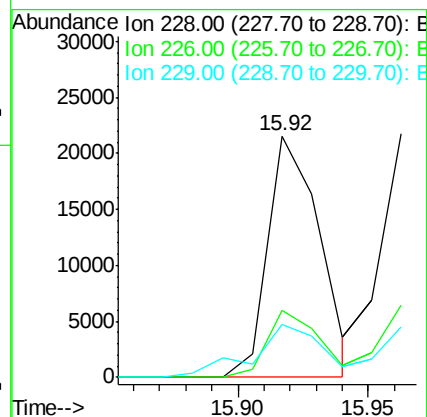
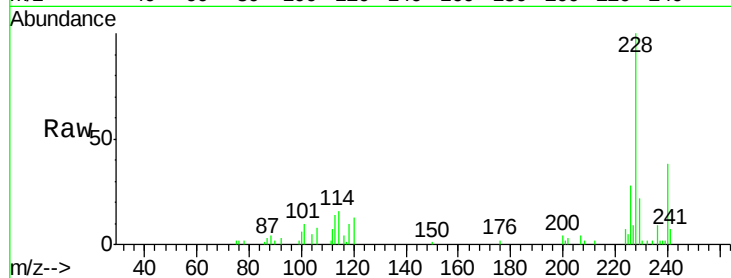
Tgt Ion:228 Resp: 29954

Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

229 22.1 16.0 24.0



#82

Chrysene

Concen: 3.12 ng

RT: 15.96 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF078068.D

Acq: 28 Mar 2015 8:22

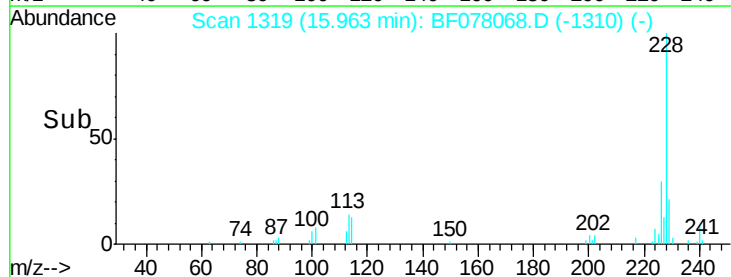
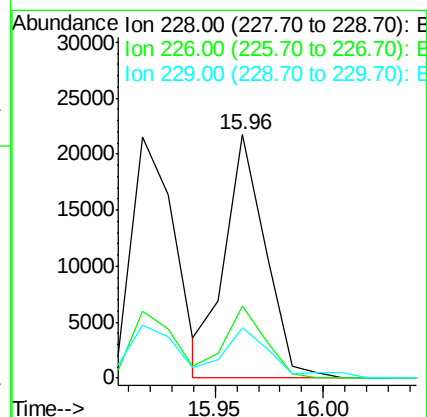
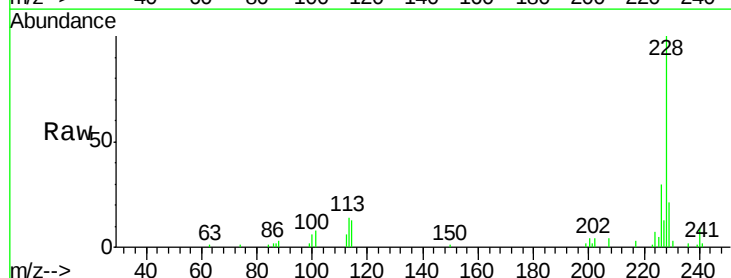
Tgt Ion:228 Resp: 28022

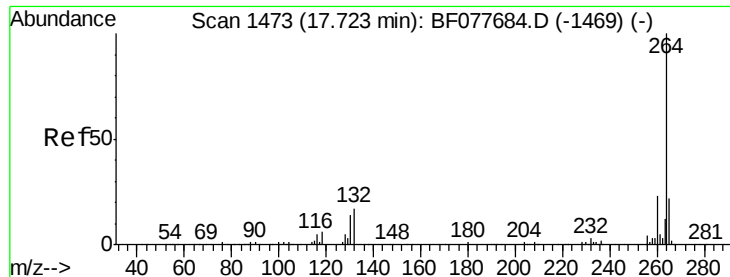
Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 20.7 15.5 23.3

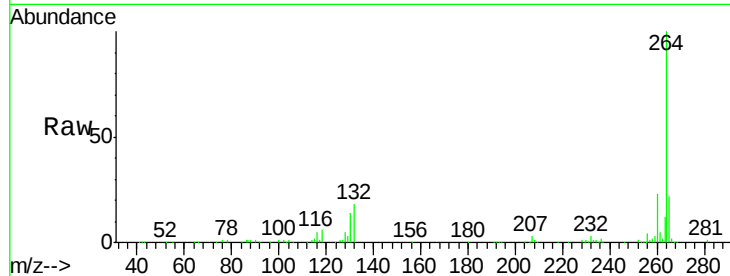




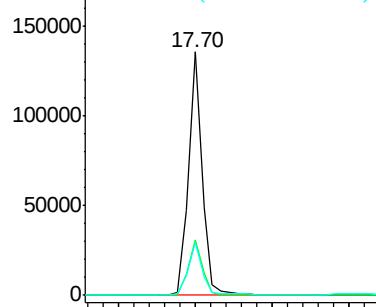
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.70 min Scan# 1471
Delta R.T. 0.07 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

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

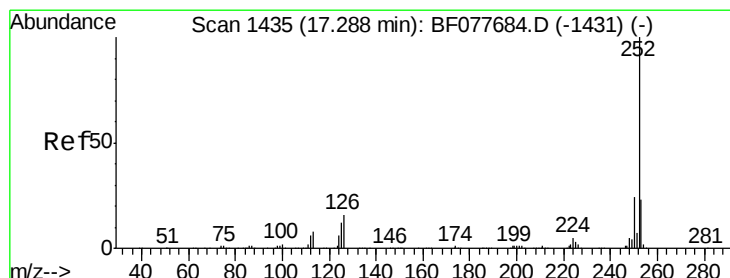
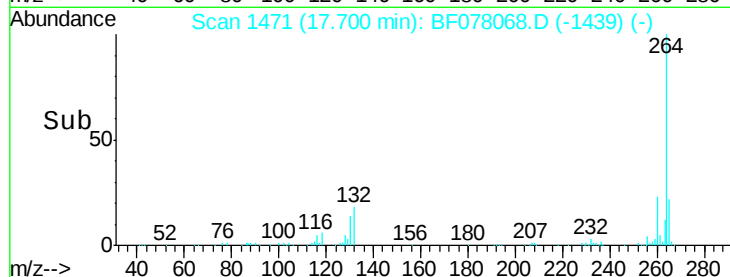
Tgt Ion:264 Resp: 169712
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 22.0 17.3 25.9



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

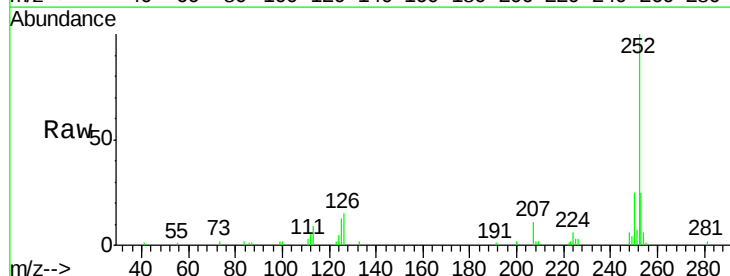


Time-->

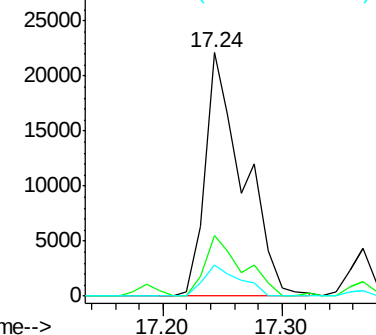


#87
Benzo(b)fluoranthene
Concen: 4.47 ng
RT: 17.24 min Scan# 1431
Delta R.T. 0.05 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

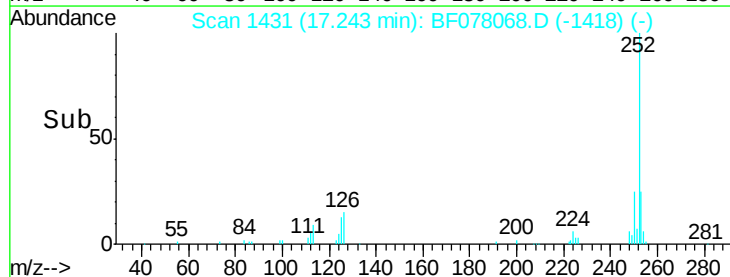
Tgt Ion:252 Resp: 49578
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 12.9 9.9 14.9

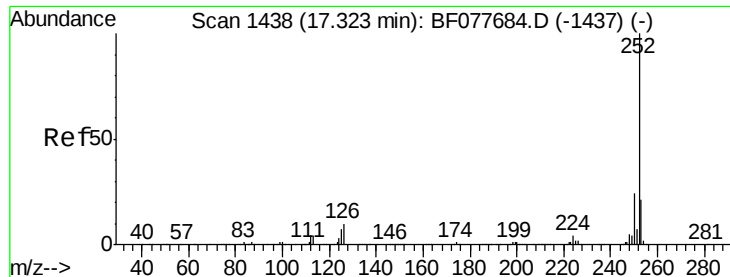


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

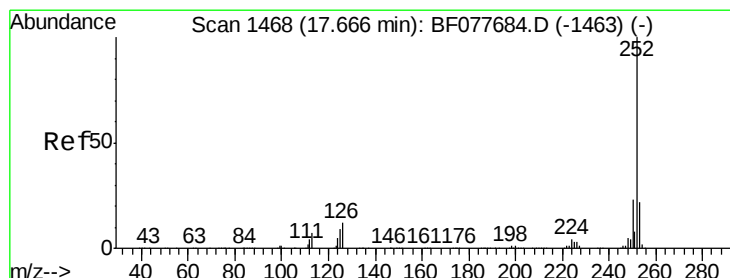
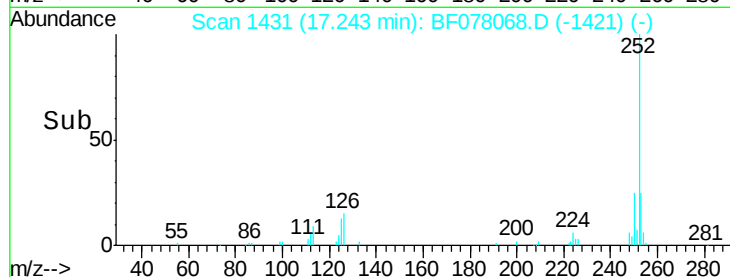
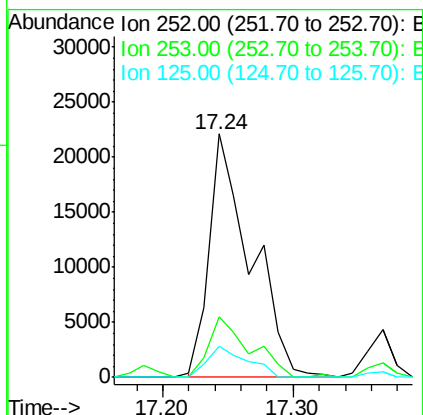
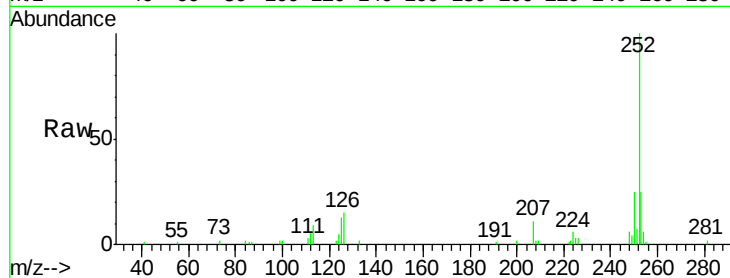




#88
Benzo(k)fluoranthene
Concen: 5.70 ng
RT: 17.24 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

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

Tgt Ion:252 Resp: 49341
Ion Ratio Lower Upper
252 100
253 24.9 17.2 25.8
125 12.9 8.1 12.1#



#89
Benzo(a)pyrene
Concen: 2.86 ng
RT: 17.63 min Scan# 1465
Delta R.T. 0.06 min
Lab File: BF078068.D
Acq: 28 Mar 2015 8:22

Tgt Ion:252 Resp: 26413
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 11.6 7.4 11.2#

