

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
 Data File : BF079251.D
 Acq On : 15 May 2015 00:50
 Operator : TP/IZ
 Sample : G2246-02 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Time: May 15 04:12:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 02:17:41 2015
 Response via : Initial Calibration

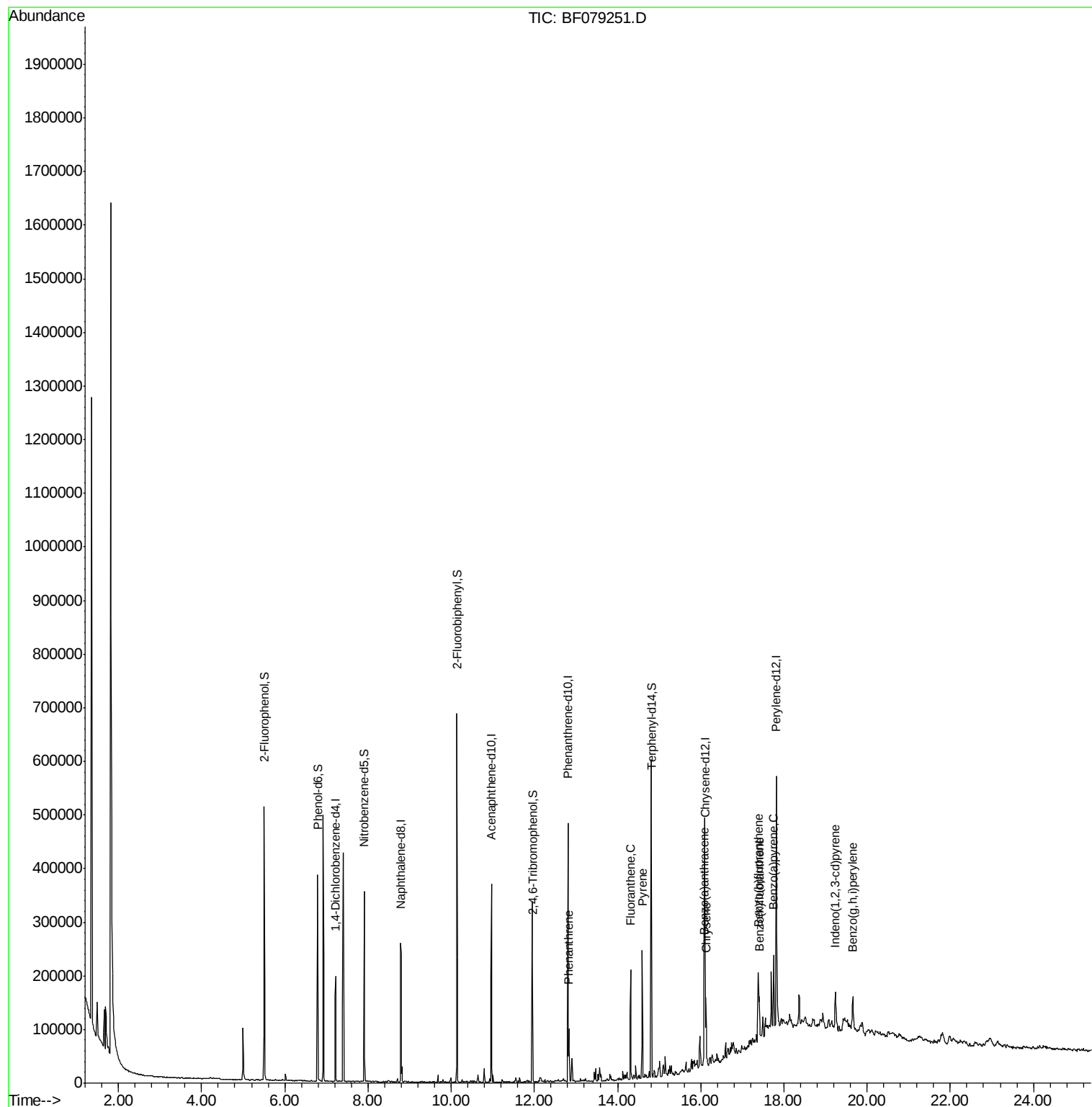
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	44151	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	177473	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	88319	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	178378	20.00	ng	0.00
75) Chrysene-d12	16.10	240	195554	20.00	ng	-0.14
86) Perylene-d12	17.82	264	202796	20.00	ng	-0.48
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	160134m	62.43	ng	0.00
7) Phenol-d6	6.79	99	191464	56.47	ng	0.00
23) Nitrobenzene-d5	7.91	82	109347	35.41	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	55257	57.83	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	232726	36.71	ng	-0.01
78) Terphenyl-d14	14.81	244	278101m	34.05	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	12.83	178	48853	4.90	ng	98
74) Fluoranthene	14.32	202	105079	10.11	ng	94
77) Pyrene	14.59	202	105464m	9.36	ng	
80) Benzo(a)anthracene	16.08	228	63339m	5.91	ng	
82) Chrysene	16.13	228	56358	5.47	ng	98
85) Indeno(1,2,3-cd)pyrene	19.23	276	47150m	3.59	ng	
87) Benzo(b)fluoranthene	17.38	252	87373m	7.87	ng	
88) Benzo(k)fluoranthene	17.41	252	32066m	2.98	ng	
89) Benzo(a)pyrene	17.75	252	67925	6.65	ng	# 93
91) Benzo(g,h,i)perylene	19.66	276	46880	4.31	ng	# 93

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

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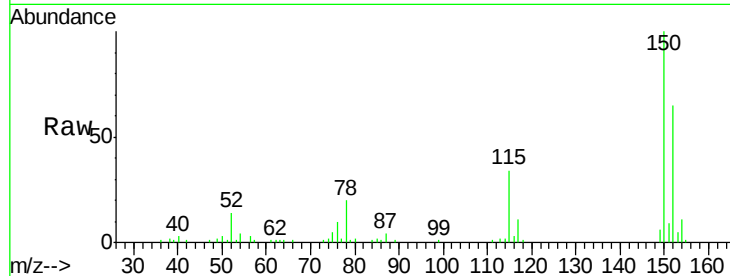


#1

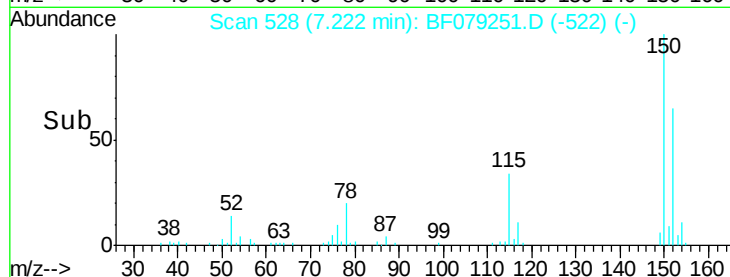
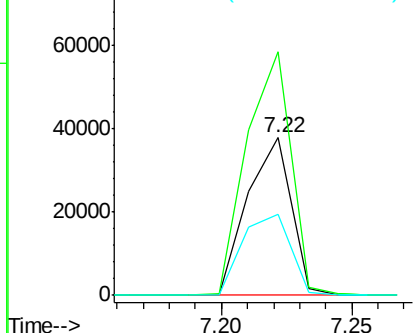
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	51.9	49.4	74.0



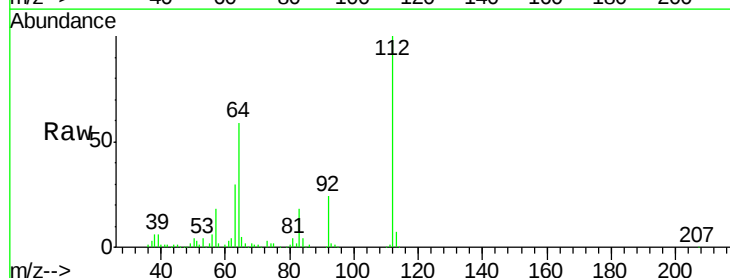
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



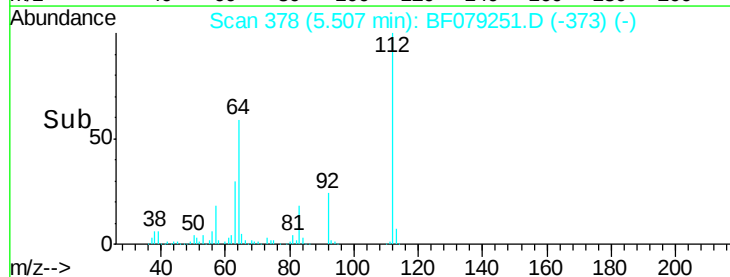
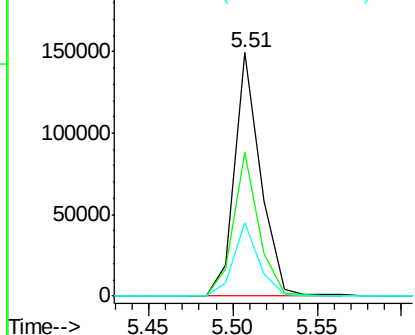
#5

2-Fluorophenol
Concen: 62.43 ng m
RT: 5.51 min Scan# 378
Delta R.T. 0.00 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.2	66.2
63	30.1	22.7	34.1



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: 56.47 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

Instrument :

BNA_F

ClientSampleId :

DUP-1

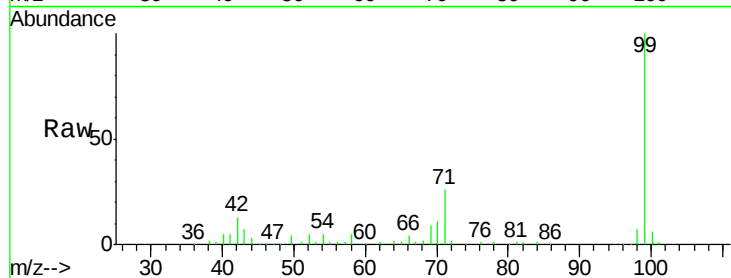
Tot Ion: 99 Resp: 191464

Ion Ratio Lower Upper

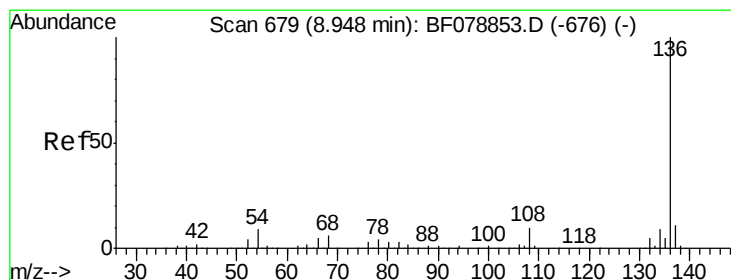
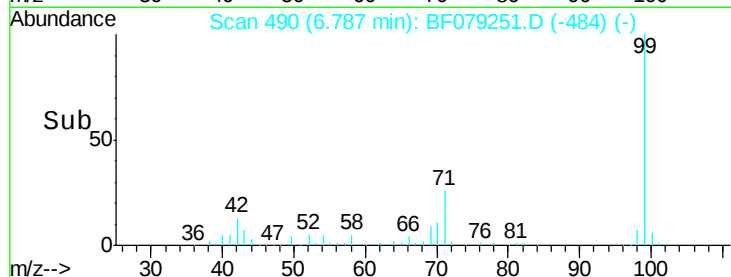
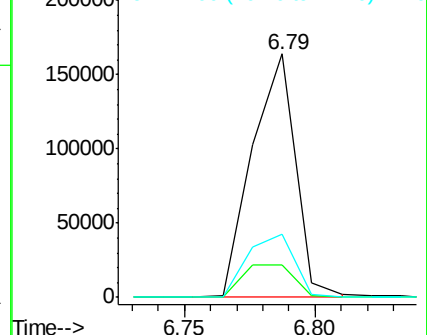
99 100

42 13.3 17.1 25.7#

71 25.7 26.3 39.5#



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: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

Tgt Ion: 136 Resp: 177473

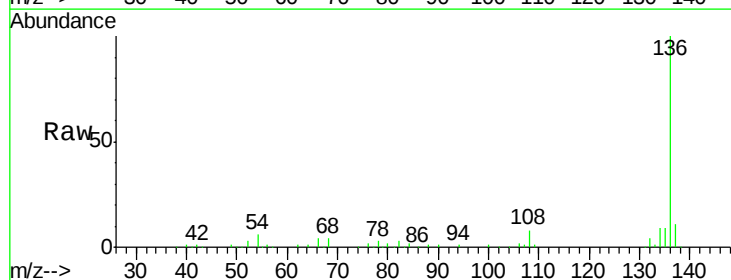
Ion Ratio Lower Upper

136 100

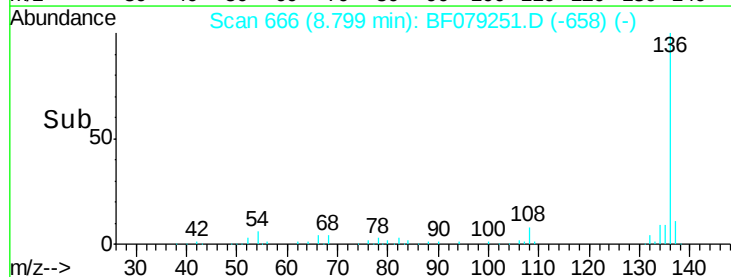
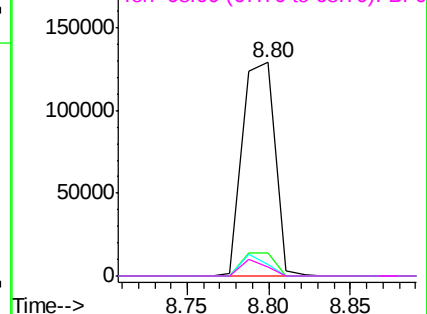
137 10.7 8.8 13.2

54 5.7 6.9 10.3#

68 4.4 4.9 7.3#



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

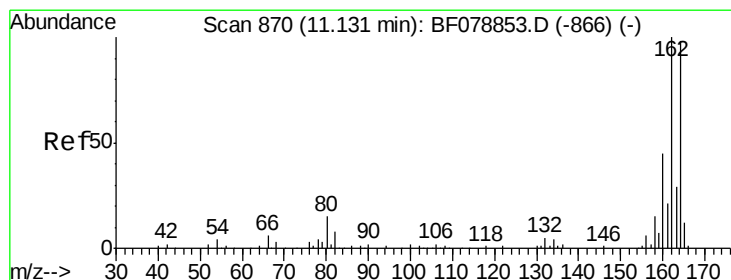
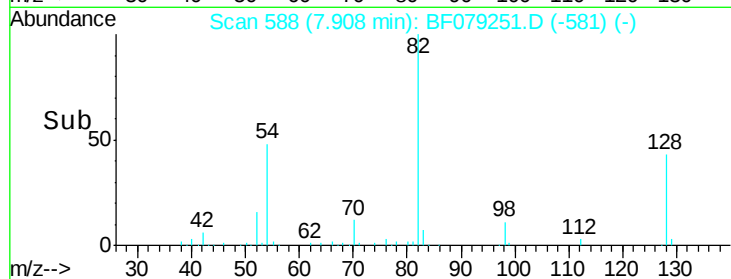
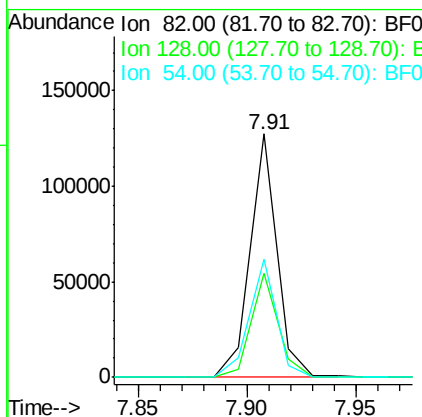
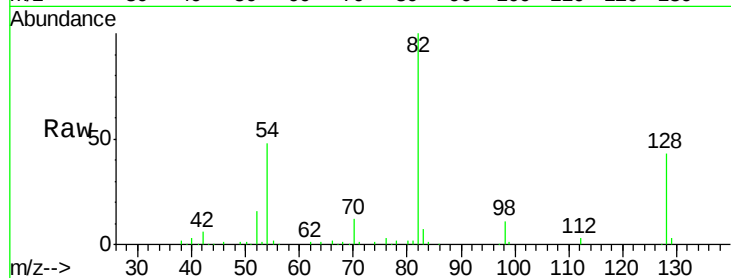




#23
 Nitrobenzene-d5
 Concen: 35.41 ng
 RT: 7.91 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF079251.D
 Acq: 15 May 2015 00:50

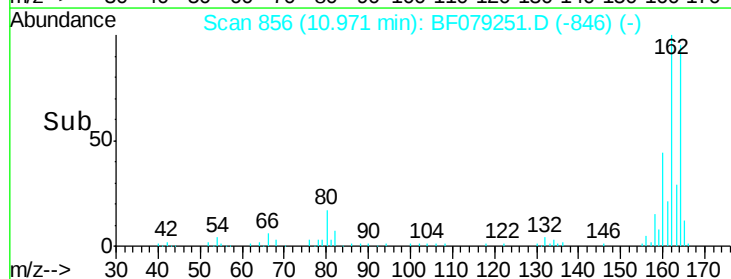
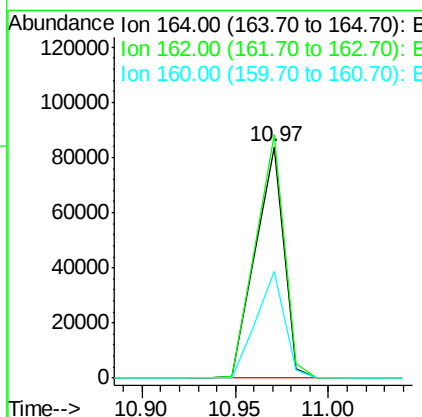
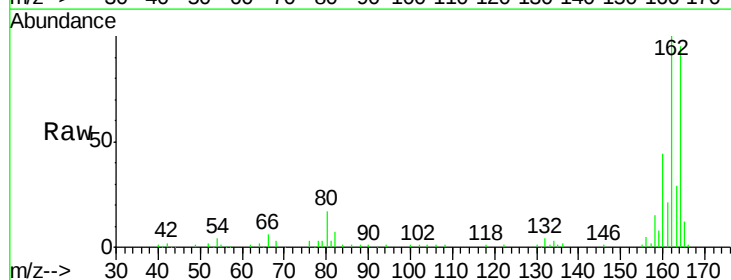
Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion	82	Resp	109347
Ion Ratio	Lower	Upper	
82	100		
128	42.9	29.7	44.5
54	48.4	46.2	69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF079251.D
 Acq: 15 May 2015 00:50

Tgt Ion	164	Resp	88319
Ion Ratio	Lower	Upper	
164	100		
162	105.4	81.4	122.0
160	46.3	36.6	54.8

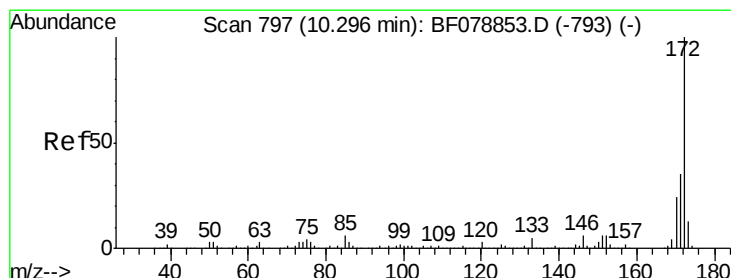
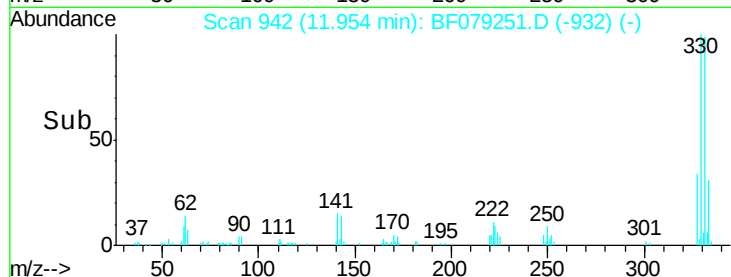
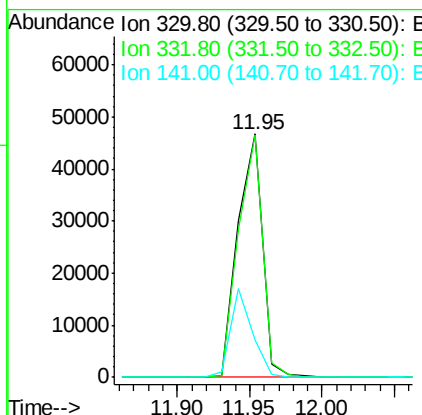
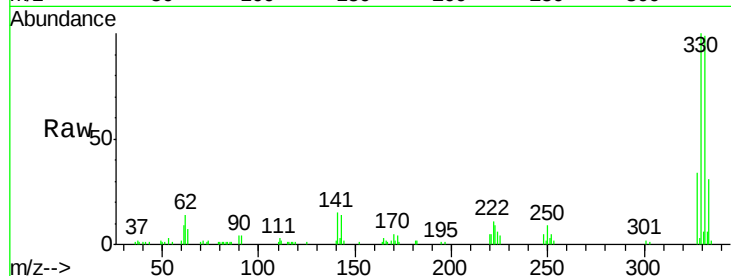




#41
 2,4,6-Tribromophenol
 Concen: 57.83 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079251.D
 Acq: 15 May 2015 00:50

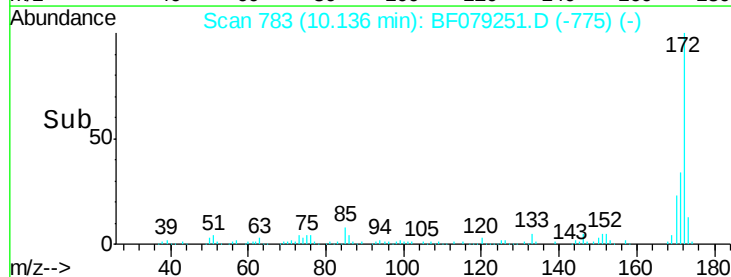
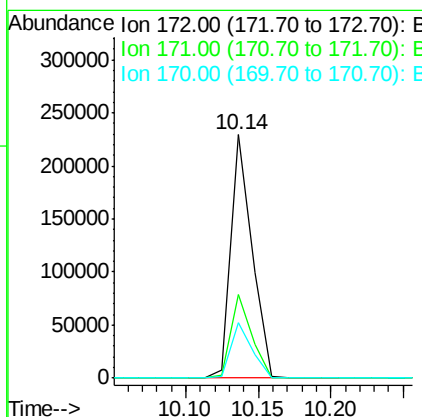
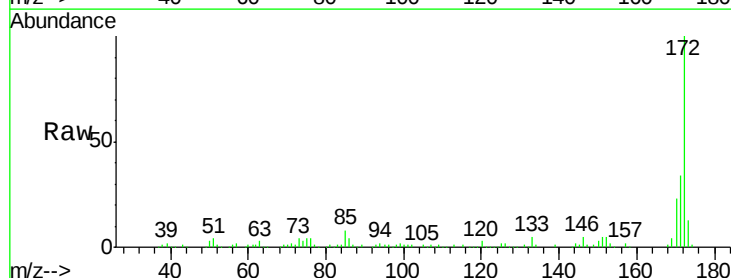
Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

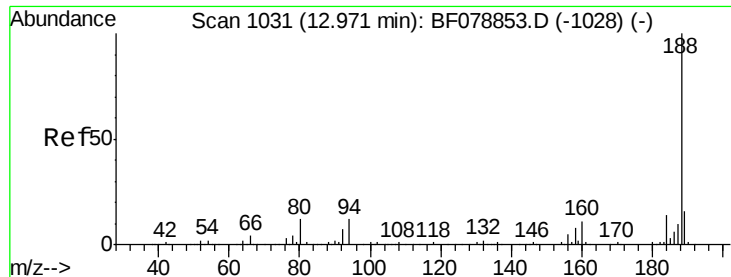
Tot Ion:330 Resp: 55257
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.9 115.3
 141 31.9 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 36.71 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079251.D
 Acq: 15 May 2015 00:50

Tgt Ion:172 Resp: 232726
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.3 42.5
 170 22.7 19.4 29.2

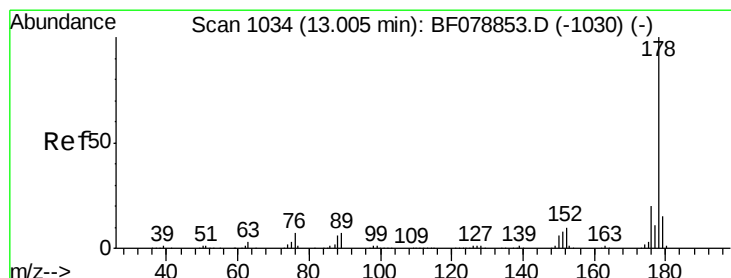
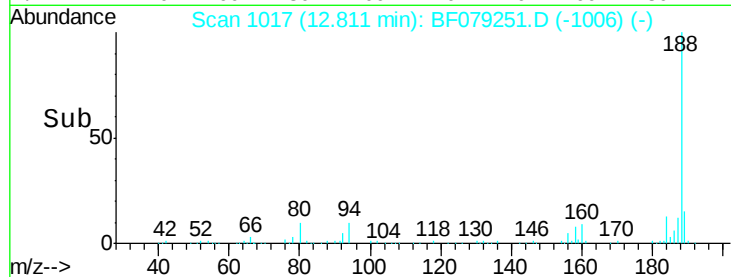
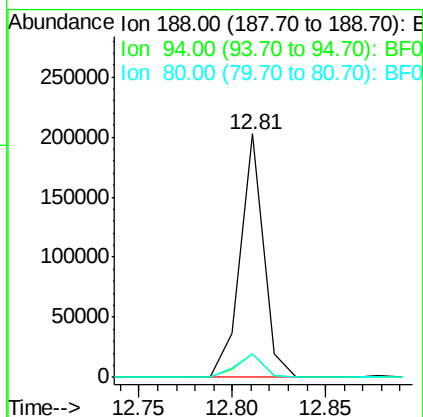
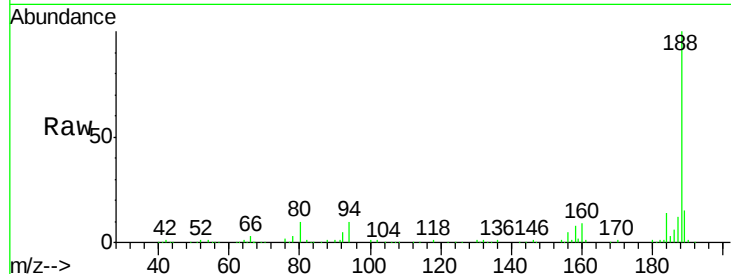




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

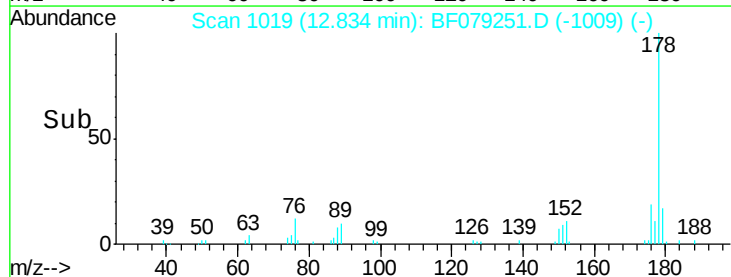
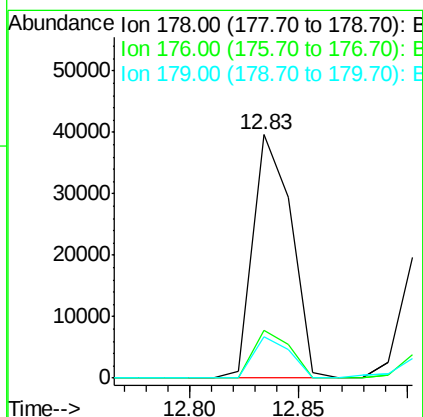
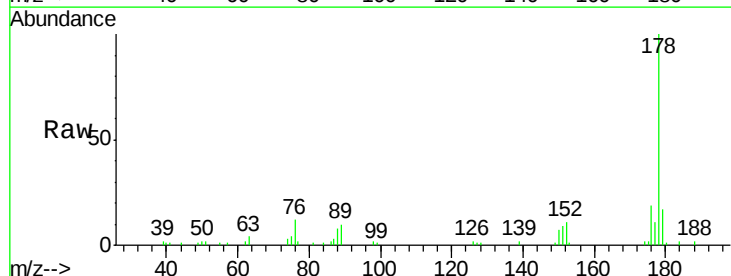
Instrument :
BNA_F
ClientSampled :
DUP-1

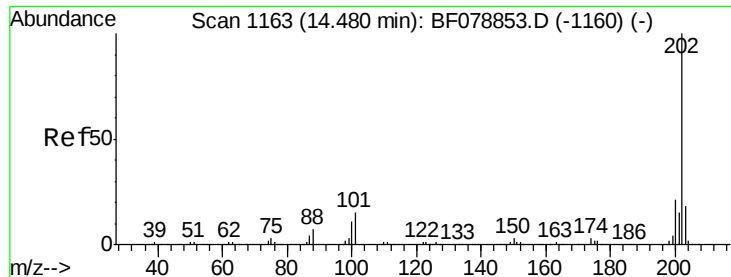
Tot Ion:188 Resp: 178378
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.0
80 9.7 9.8 14.6#



#70
Phenanthrene
Concen: 4.90 ng
RT: 12.83 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Tgt Ion:178 Resp: 48853
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 16.9 12.2 18.4

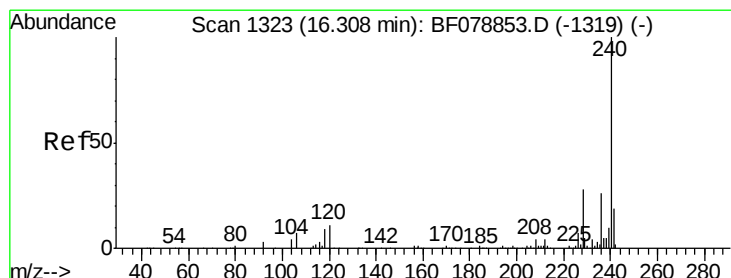
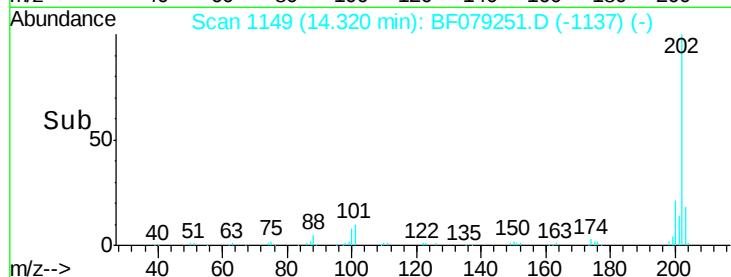
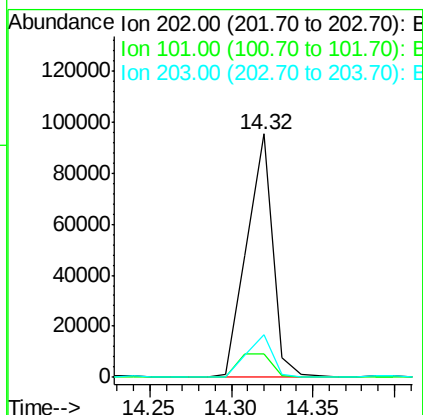
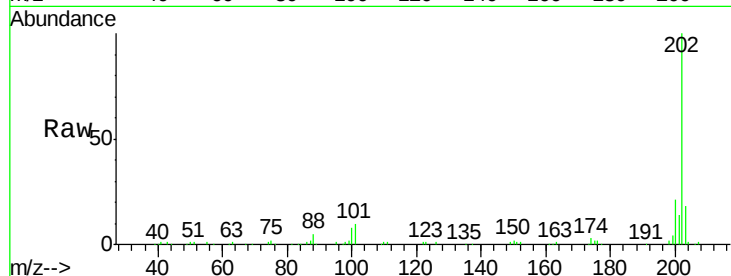




#74
Fluoranthene
Concen: 10.11 ng
RT: 14.32 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

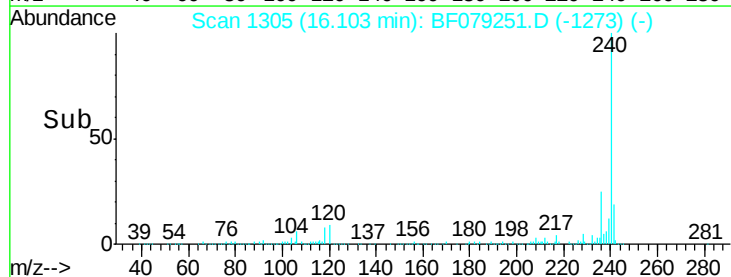
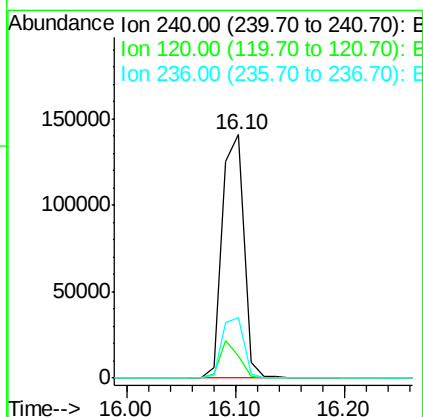
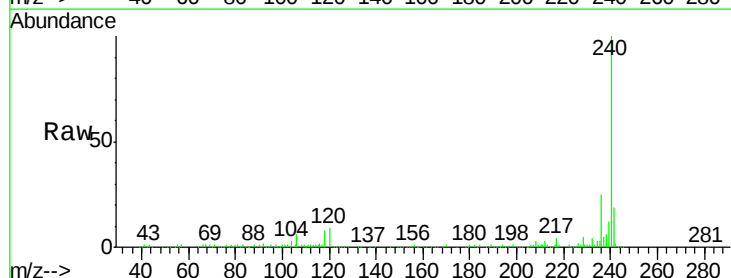
Instrument :
BNA_F
ClientSampleId :
DUP-1

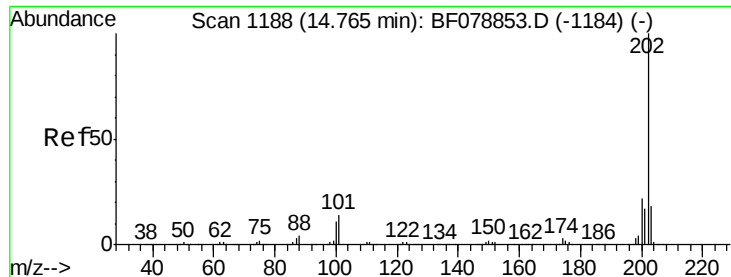
Tot Ion:202 Resp: 105079
Ion Ratio Lower Upper
202 100
101 9.6 0.0 34.7
203 17.7 0.0 37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 1305
Delta R.T. -0.14 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Tgt Ion:240 Resp: 195554
Ion Ratio Lower Upper
240 100
120 8.9 8.6 12.8
236 24.7 21.0 31.6





#77

Pvrene

Concen: 9.36 ng m

RT: 14.59 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

Instrument :

BNA_F

ClientSampleId :

DUP-1

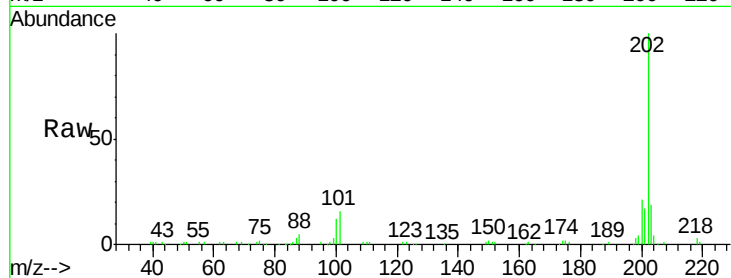
Tot Ion:202 Resp: 105464

Ion Ratio Lower Upper

202 100

200 20.8 17.5 26.3

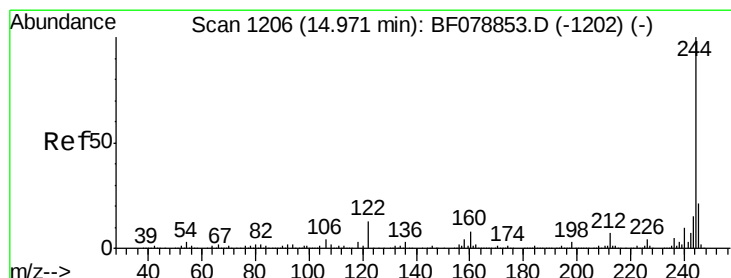
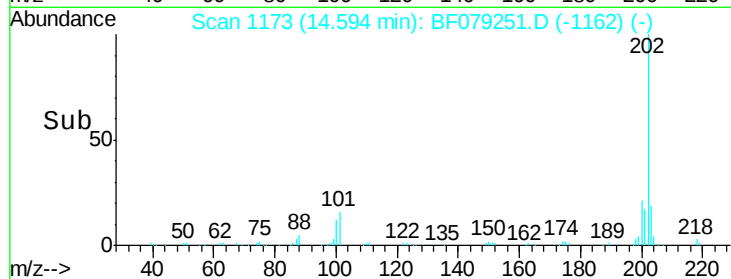
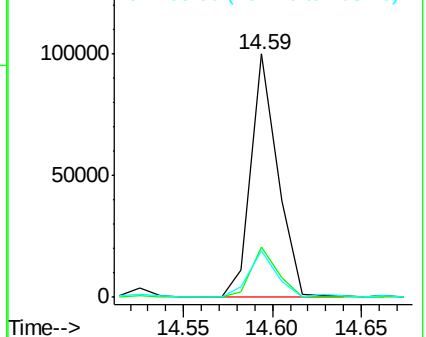
203 19.3 14.7 22.1



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: 34.05 ng m

RT: 14.81 min Scan# 1192

Delta R.T. -0.02 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

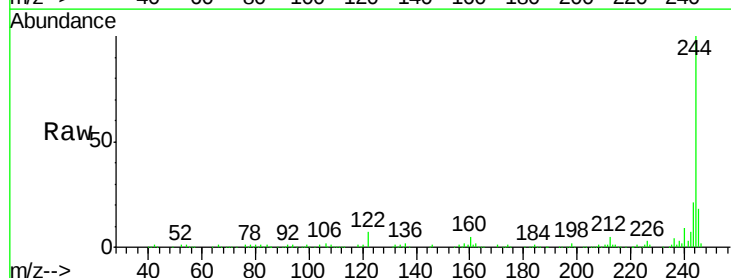
Tgt Ion:244 Resp: 278101

Ion Ratio Lower Upper

244 100

212 5.3 5.6 8.4#

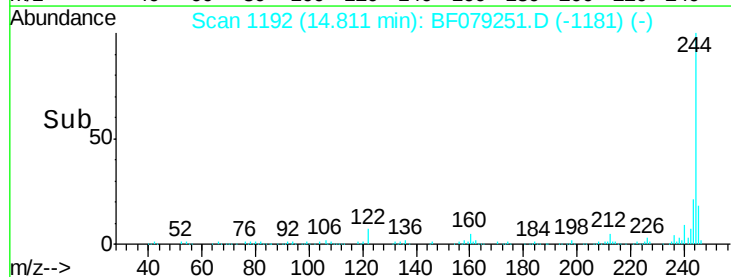
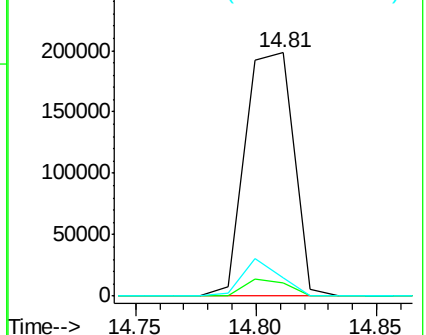
122 7.4 10.5 15.7#

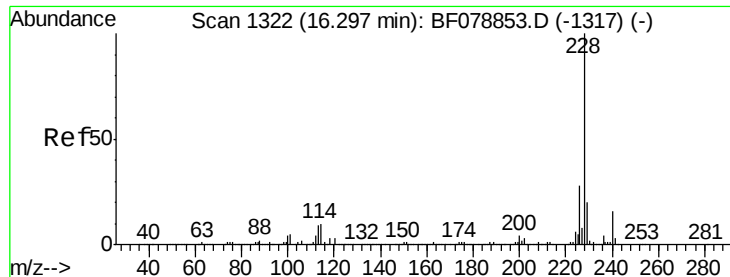


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.91 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.15 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

Instrument :

BNA_F

ClientSampled :

DUP-1

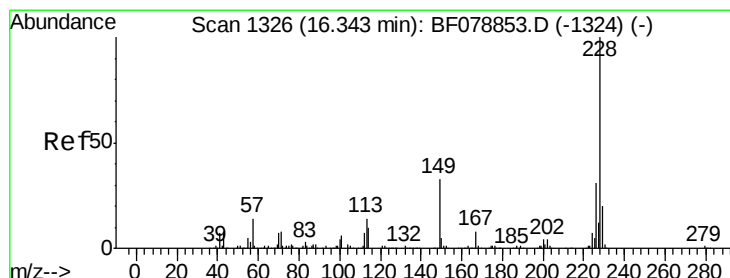
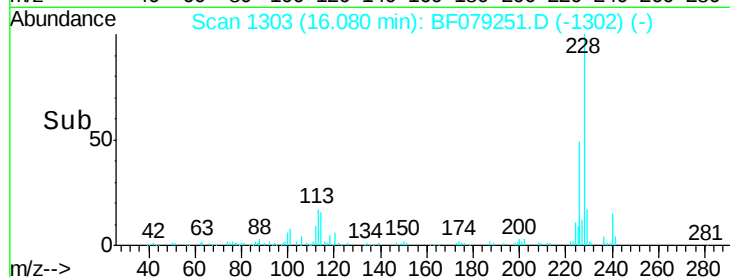
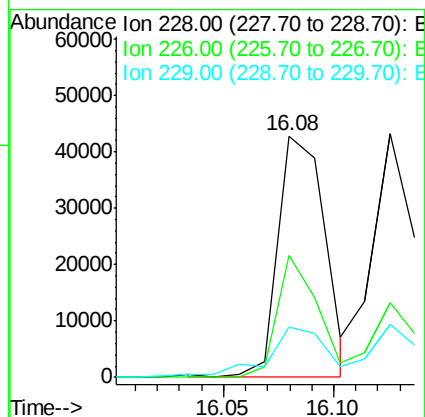
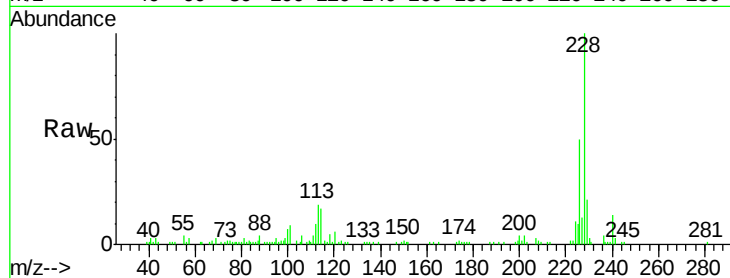
Tot Ion:228 Resp: 63339

Ion Ratio Lower Upper

228 100

226 50.4 22.3 33.5#

229 20.9 16.1 24.1



#82

Chrysene

Concen: 5.47 ng

RT: 16.13 min Scan# 1307

Delta R.T. -0.16 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

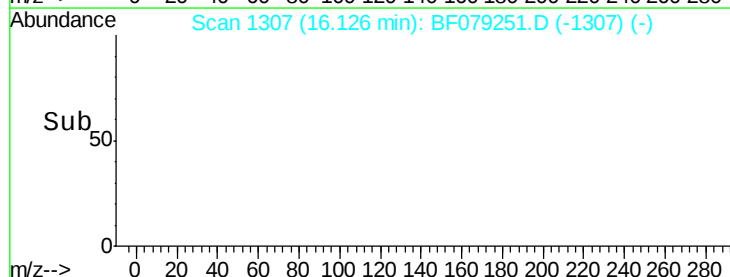
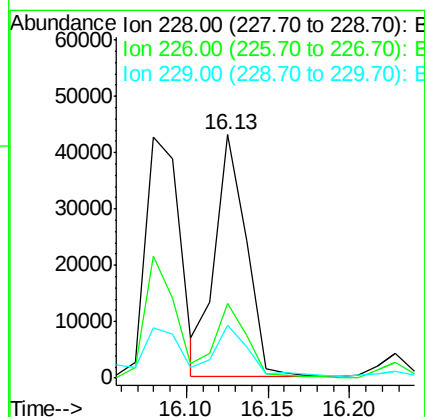
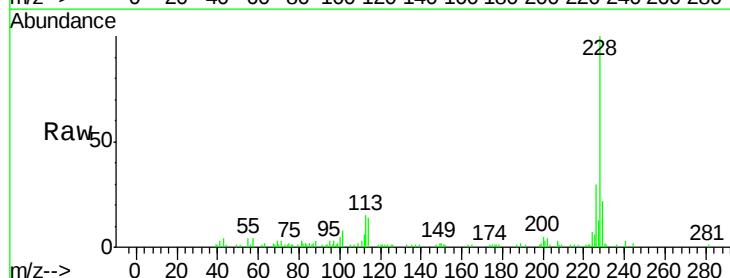
Tgt Ion:228 Resp: 56358

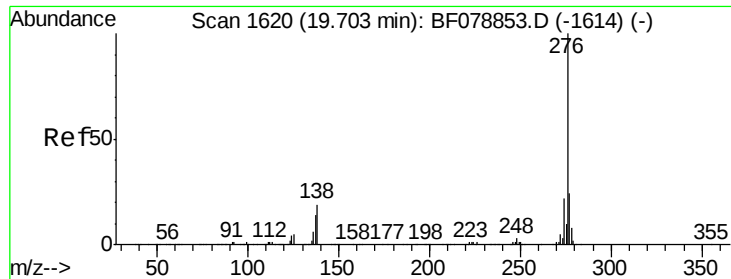
Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

229 21.8 16.1 24.1

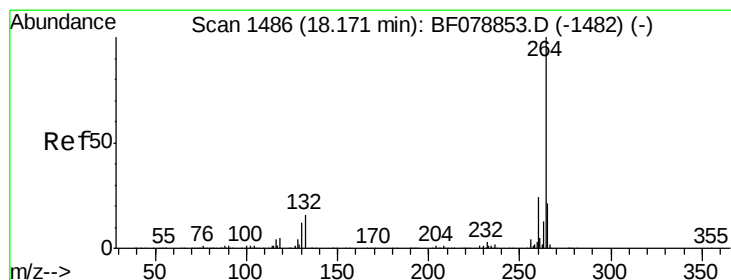
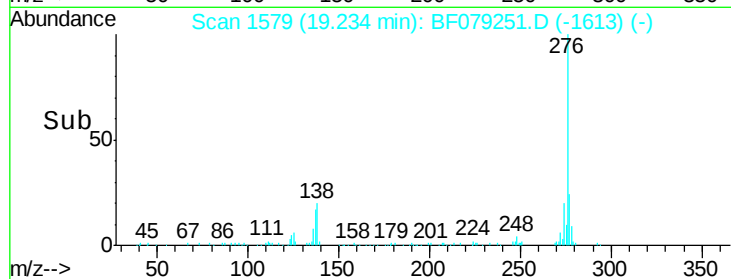
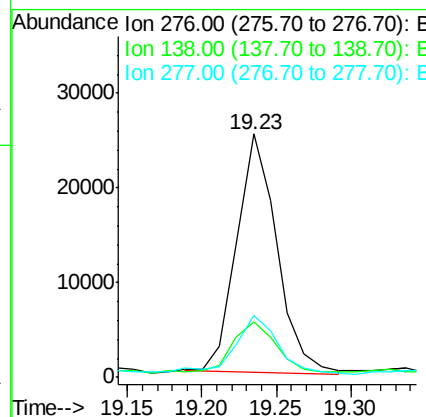
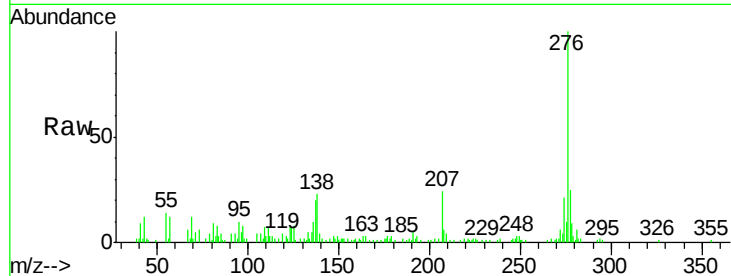




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.59 ng/mL
RT: 19.23 min Scan# 1579
Delta R.T. -0.59 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

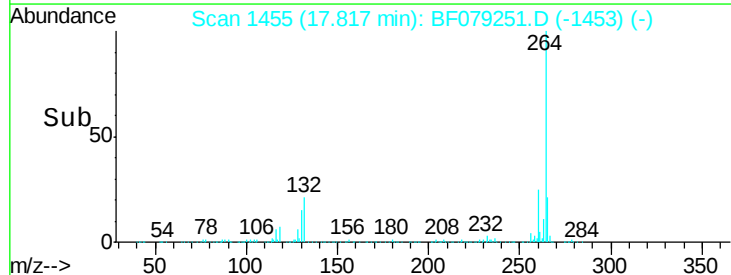
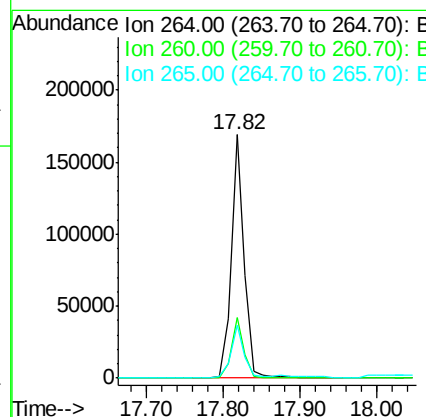
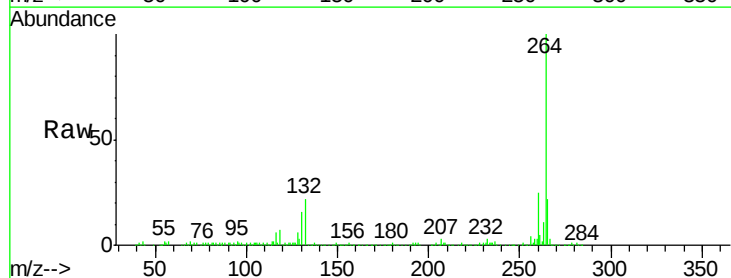
Instrument :
BNA_F
ClientSampleId :
DUP-1

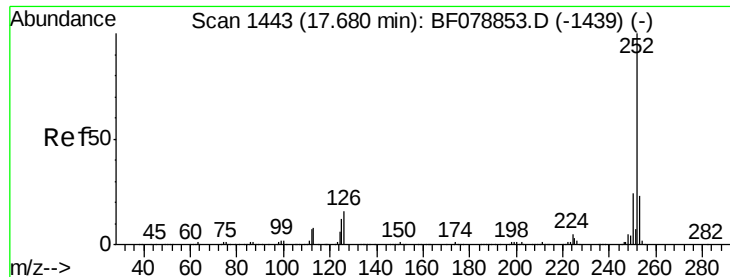
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.1	31.7
277	30.7	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.82 min Scan# 1455
Delta R.T. -0.48 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.7	17.2	25.8

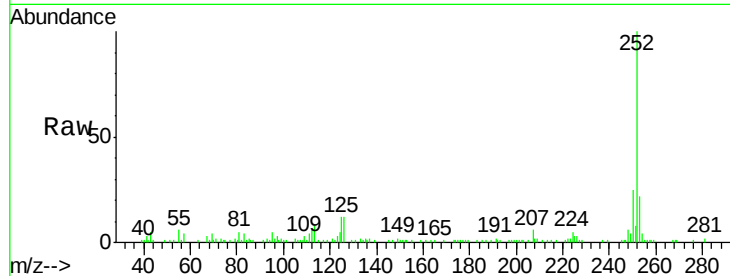




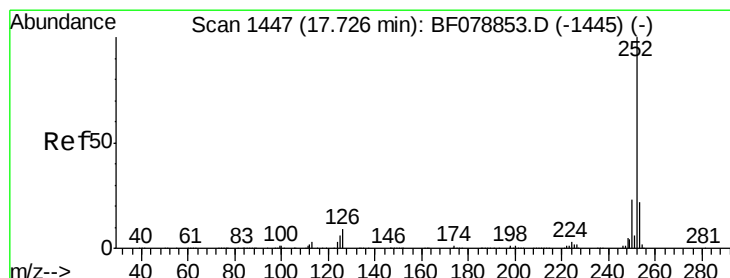
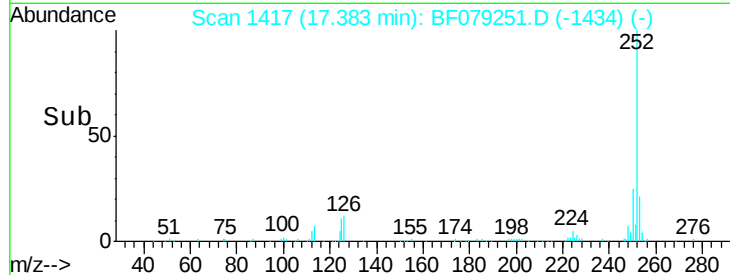
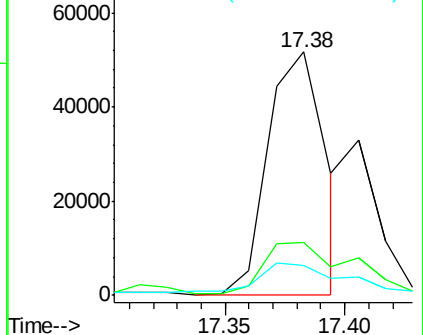
#87
Benzo(b)fluoranthene
Concen: 7.87 ng m
RT: 17.38 min Scan# 1417
Delta R.T. -0.38 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion:252 Resp: 87373
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 12.1 9.4 14.2

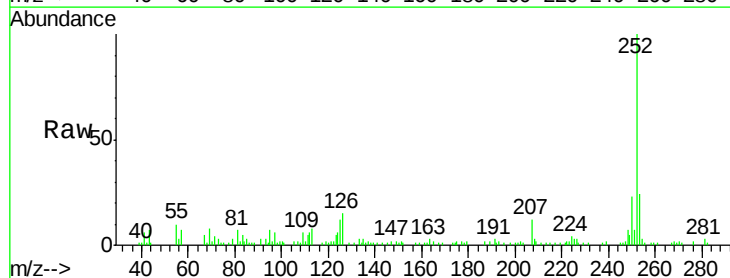


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

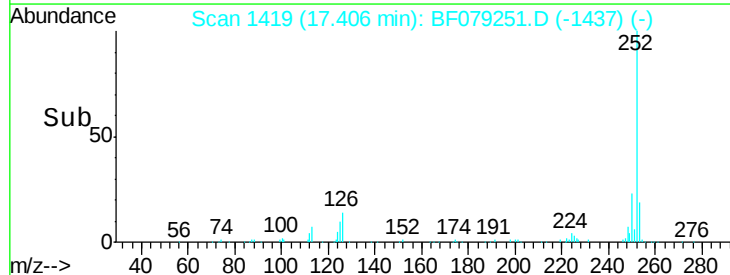
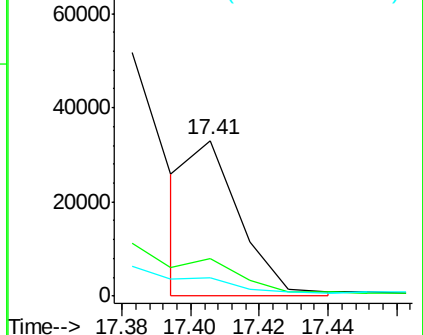


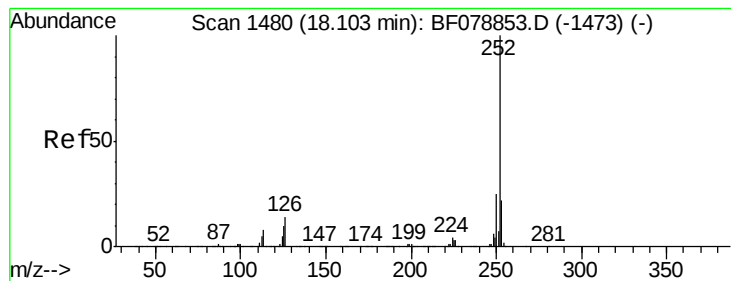
#88
Benzo(k)fluoranthene
Concen: 2.98 ng m
RT: 17.41 min Scan# 1419
Delta R.T. -0.39 min
Lab File: BF079251.D
Acq: 15 May 2015 00:50

Tgt Ion:252 Resp: 32066
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 11.9 6.1 9.1#



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: 6.65 ng

RT: 17.75 min Scan# 1449

Delta R.T. -0.47 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

Instrument :

BNA_F

ClientSampleId :

DUP-1

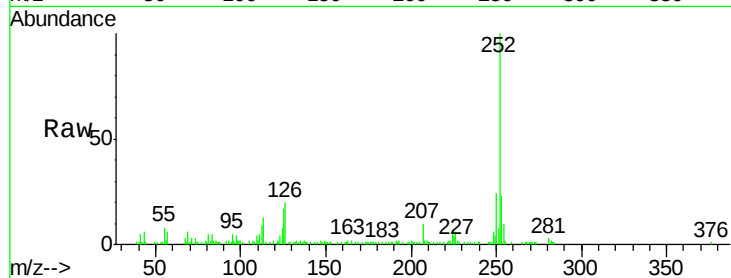
Tot Ion:252 Resp: 67925

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

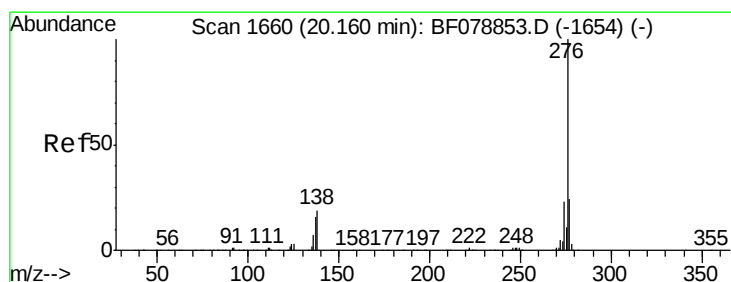
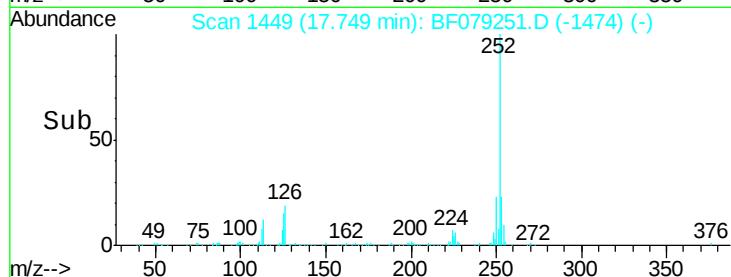
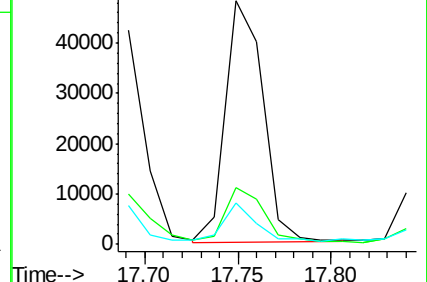
125 17.1 8.2 12.2#



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: 4.31 ng

RT: 19.66 min Scan# 1616

Delta R.T. -0.61 min

Lab File: BF079251.D

Acq: 15 May 2015 00:50

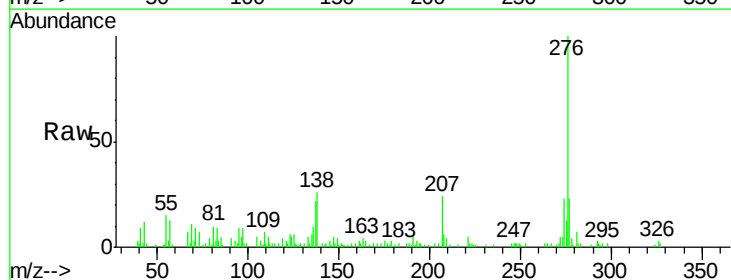
Tgt Ion:276 Resp: 46880

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 26.2 15.2 22.8#



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

