

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042215\
 Data File : BF078744.D
 Acq On : 23 Apr 2015 8:12
 Operator : TP/IZ
 Sample : G1938-17 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-79S

Quant Time: Apr 23 08:51:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 07:27:59 2015
 Response via : Initial Calibration

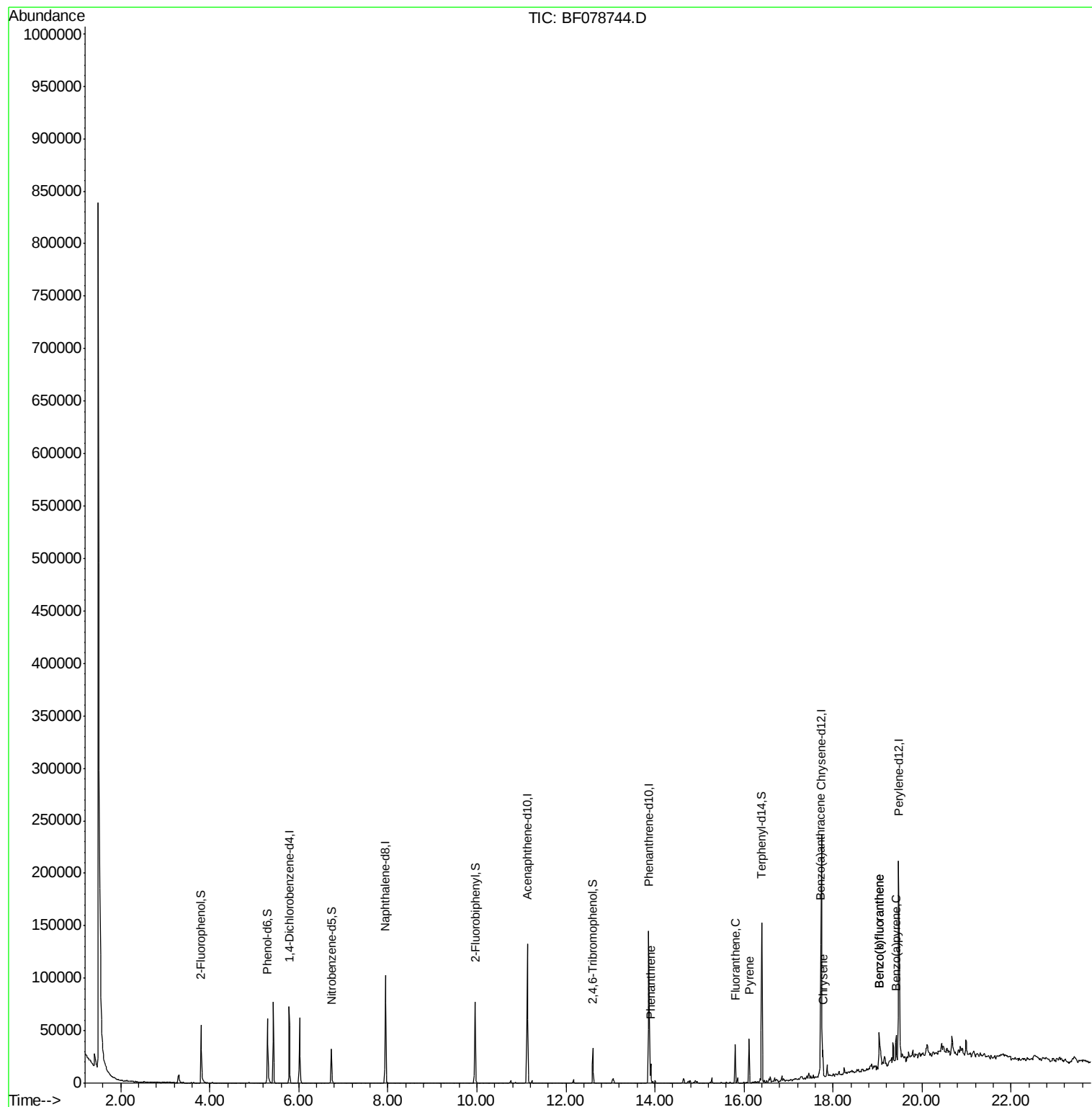
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.78	152	18220	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	74035	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	39734	20.00	ng	0.00
63) Phenanthrene-d10	13.86	188	80375	20.00	ng	0.00
75) Chrysene-d12	17.74	240	95456	20.00	ng	0.00
86) Perylene-d12	19.47	264	98229	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.80	112	24888	22.52	ng	0.01
7) Phenol-d6	5.29	99	35193	25.41	ng	0.00
23) Nitrobenzene-d5	6.73	82	20837	17.06	ng	0.00
41) 2,4,6-Tribromophenol	12.61	330	6617	20.08	ng	0.00
44) 2-Fluorobiphenyl	9.96	172	47101	16.94	ng	0.00
78) Terphenyl-d14	16.40	244	61724	14.61	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	13.91	178	10204	2.19	ng	97
74) Fluoranthene	15.81	202	25348	5.17	ng	91
77) Pyrene	16.11	202	25138	4.20	ng	95
80) Benzo(a)anthracene	17.73	228	16550	2.91	ng	98
82) Chrysene	17.77	228	12494	2.34	ng	96
87) Benzo(b)fluoranthene	19.04	252	26438	4.35	ng	# 90
88) Benzo(k)fluoranthene	19.04	252	26199	4.86	ng	96
89) Benzo(a)pyrene	19.42	252	14547	2.75	ng	# 93

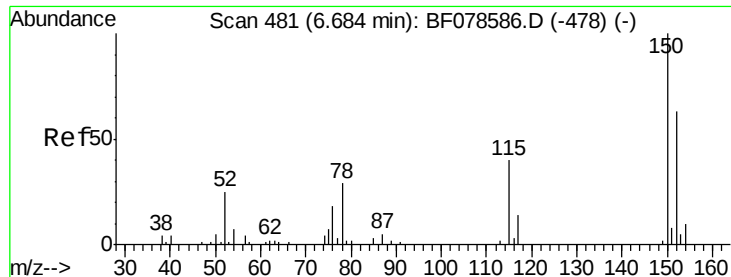
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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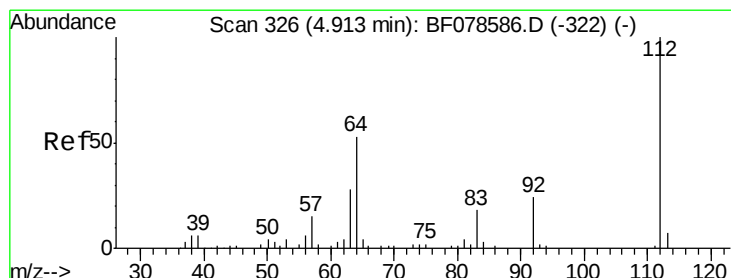
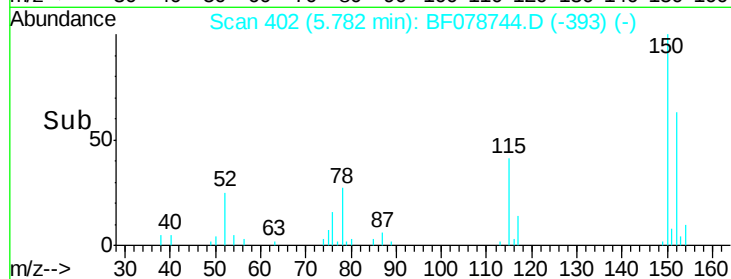
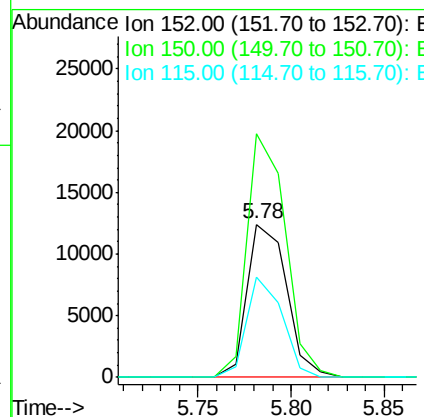
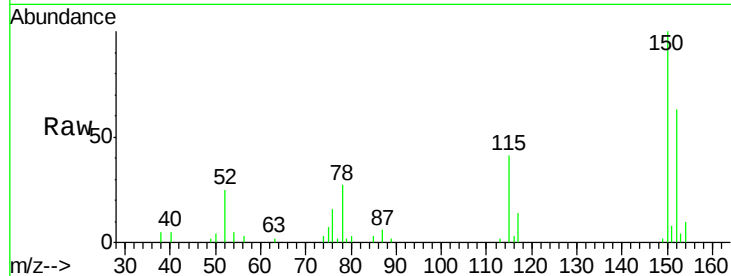




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.78 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

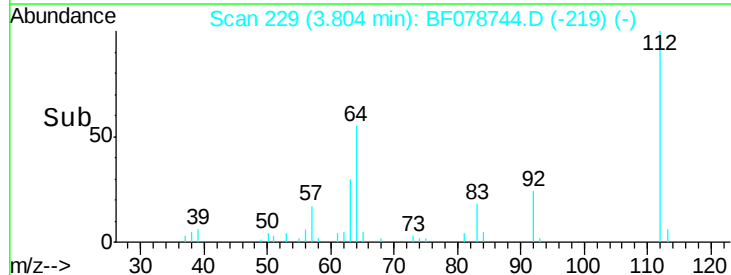
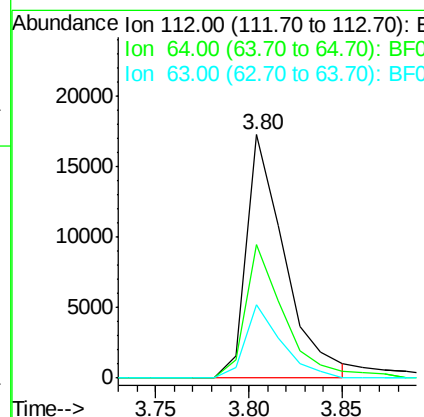
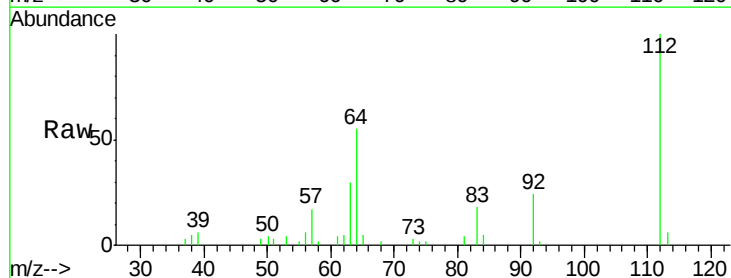
Instrument :
 BNA_F
 ClientSampled :
 SB-79S

Tgt Ion:152 Resp: 18220
 Ion Ratio Lower Upper
 152 100
 150 158.8 125.9 188.9
 115 65.7 52.7 79.1



#5
 2-Fluorophenol
 Concen: 22.52 ng
 RT: 3.80 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion:112 Resp: 24888
 Ion Ratio Lower Upper
 112 100
 64 55.0 39.9 59.9
 63 30.1 20.2 30.4





#7

Phenol-d6

Concen: 25.41 ng

RT: 5.29 min Scan# 359

Delta R.T. -0.00 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

Instrument :

BNA_F

ClientSampleId :

SB-79S

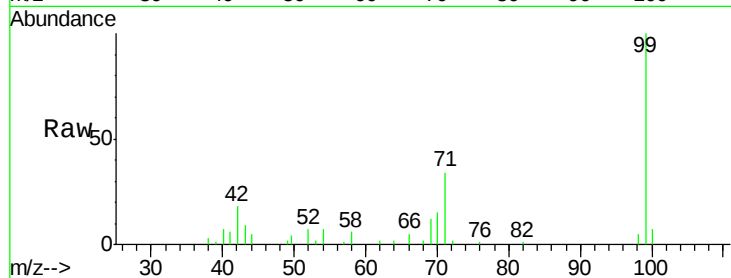
Tgt Ion: 99 Resp: 35193

Ion Ratio Lower Upper

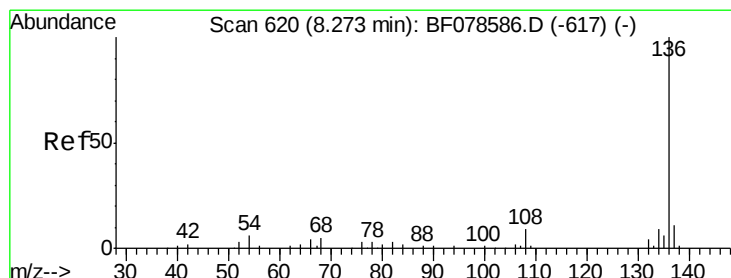
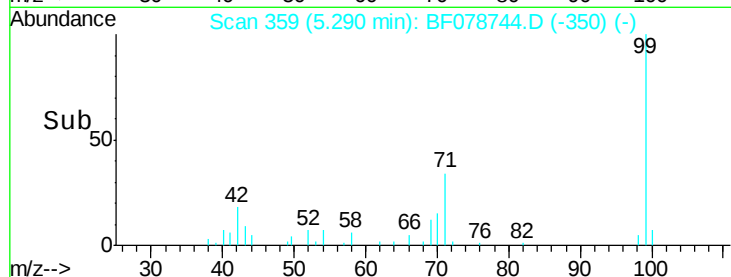
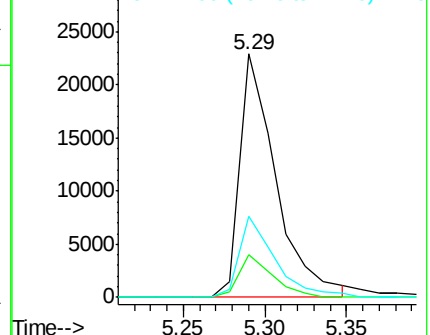
99 100

42 17.6 14.8 22.2

71 33.5 26.6 39.8



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: 7.94 min Scan# 591

Delta R.T. -0.00 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

Tgt Ion: 136 Resp: 74035

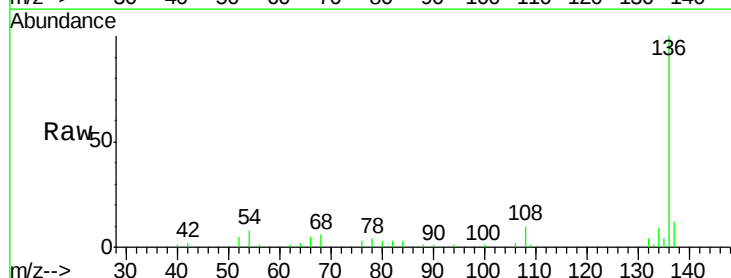
Ion Ratio Lower Upper

136 100

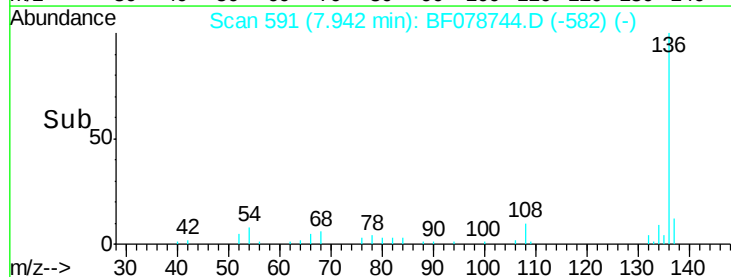
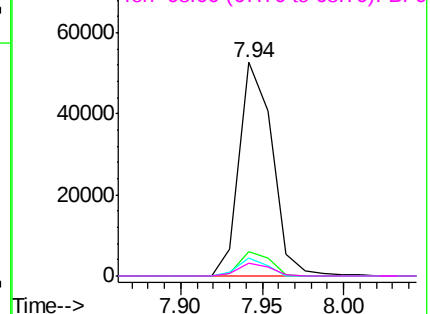
137 11.7 9.0 13.4

54 8.1 7.0 10.6

68 5.9 5.4 8.2



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

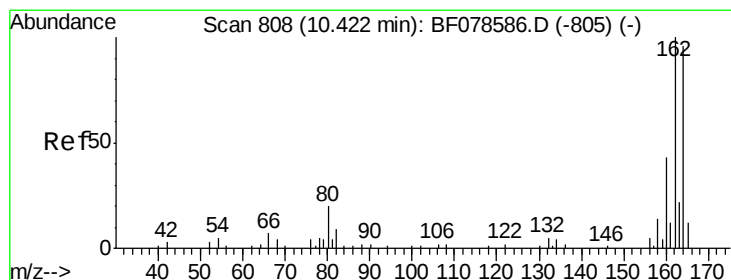
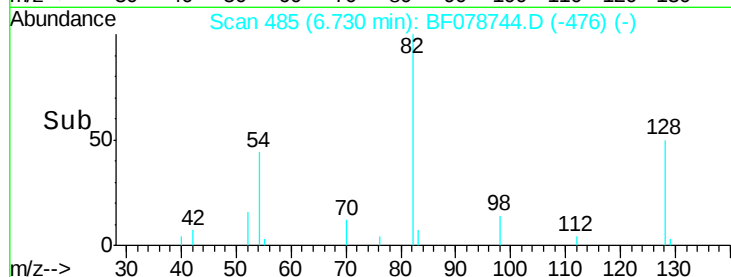
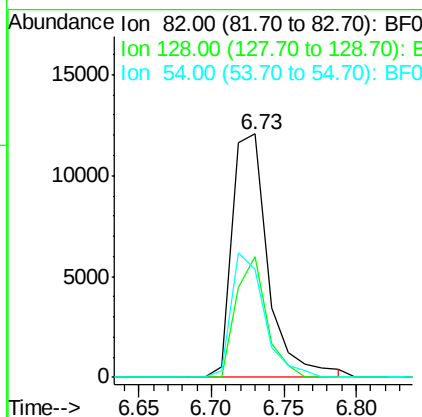
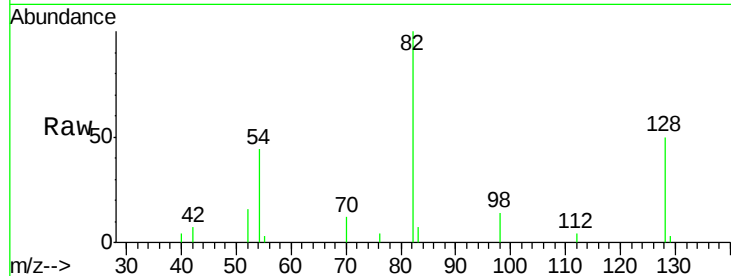




#23
 Nitrobenzene-d5
 Concen: 17.06 ng
 RT: 6.73 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

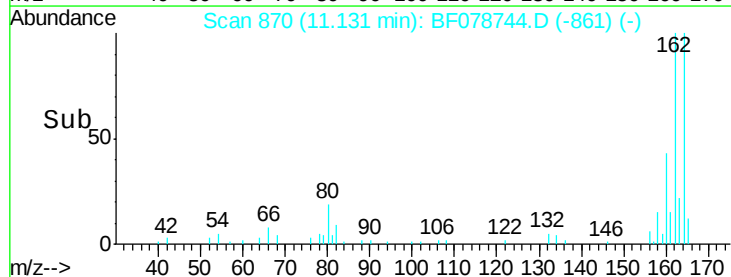
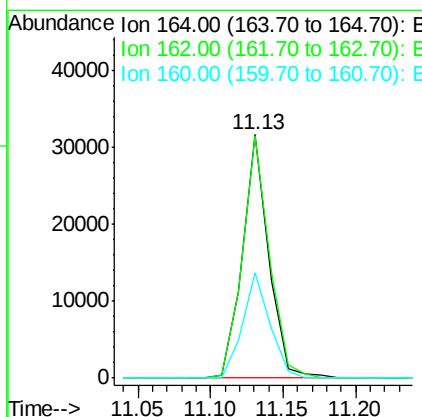
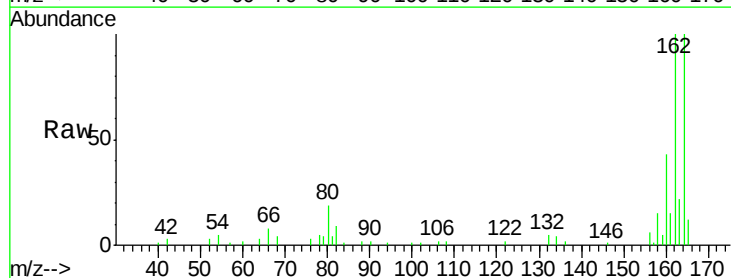
Instrument :
 BNA_F
 ClientSampleId :
 SB-79S

Tgt Ion: 82 Resp: 20837
 Ion Ratio Lower Upper
 82 100
 128 49.8 31.8 47.8#
 54 44.4 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion: 164 Resp: 39734
 Ion Ratio Lower Upper
 164 100
 162 99.8 82.2 123.2
 160 43.1 34.7 52.1

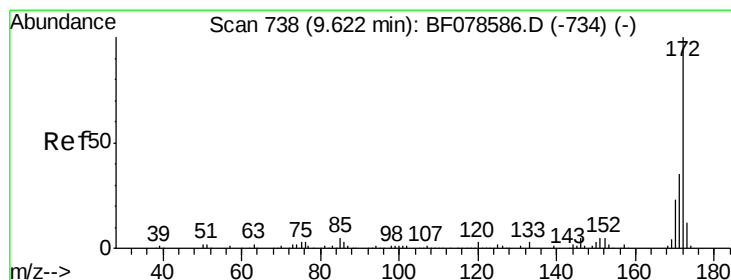
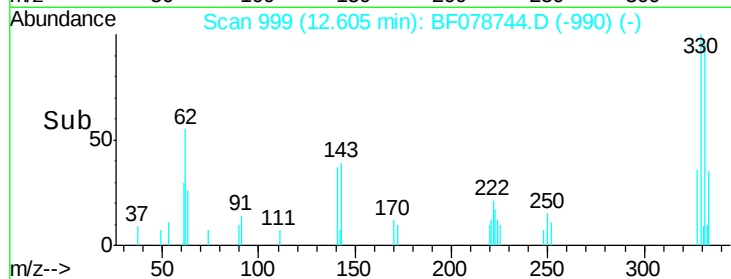
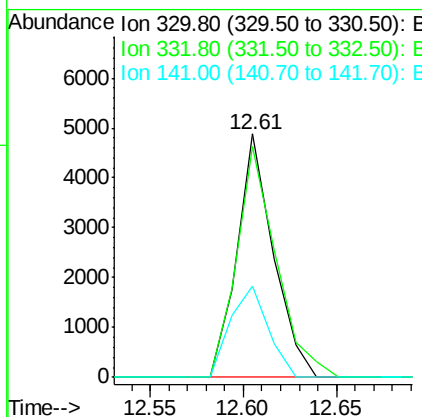
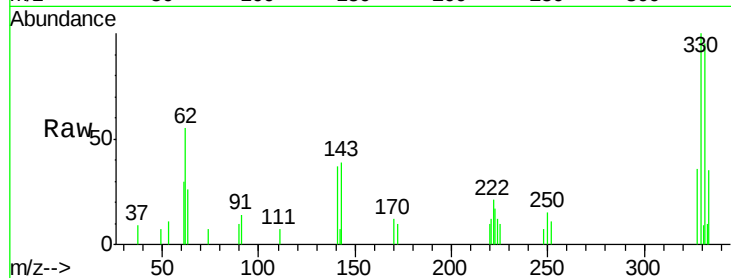




#41
 2,4,6-Tribromophenol
 Concen: 20.08 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

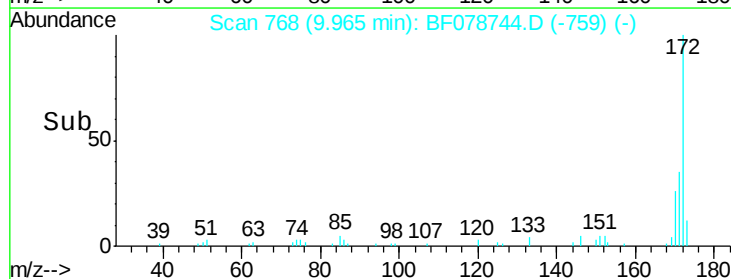
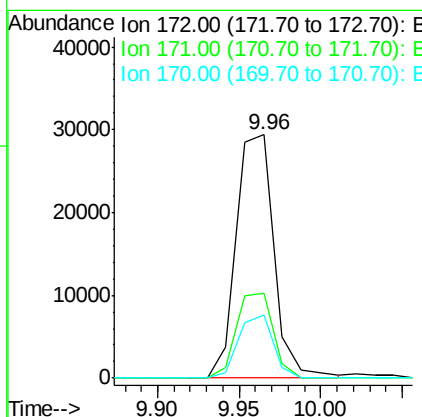
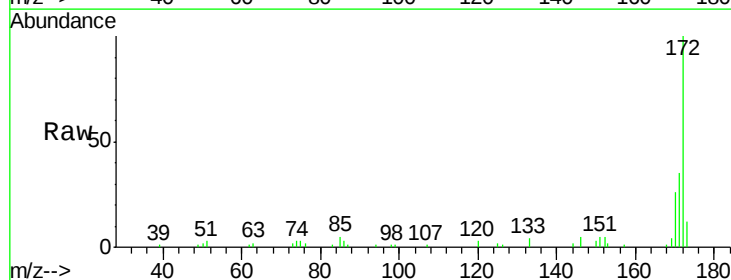
Instrument :
 BNA_F
 ClientSampled :
 SB-79S

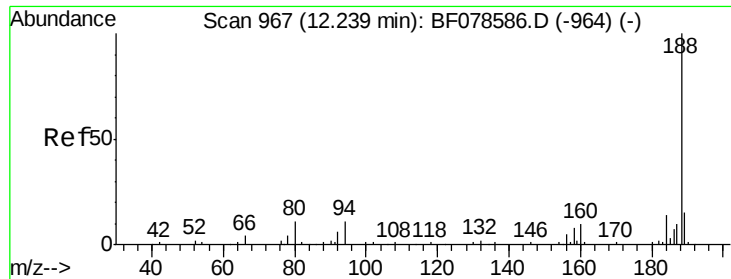
Tgt Ion: 330 Resp: 6617
 Ion Ratio Lower Upper
 330 100
 332 103.5 78.6 117.8
 141 38.8 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 16.94 ng
 RT: 9.96 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion: 172 Resp: 47101
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 25.7 18.5 27.7

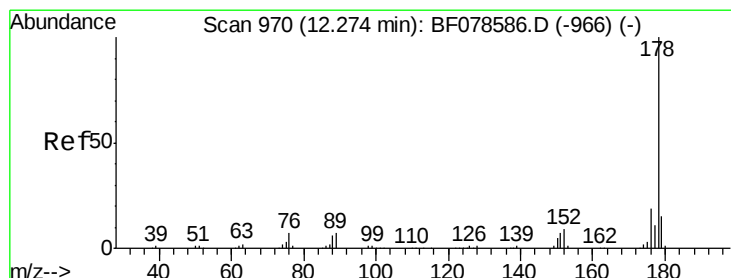
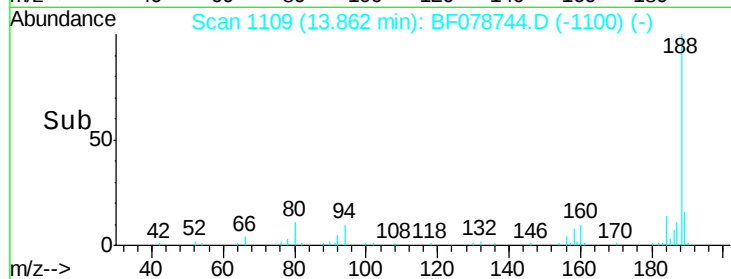
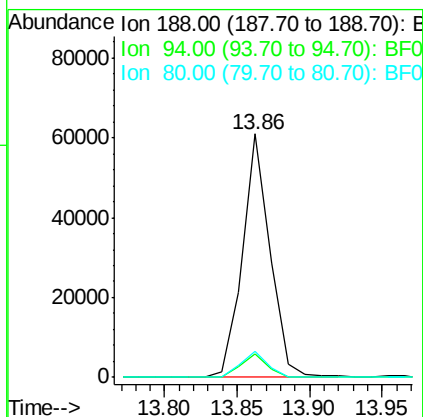
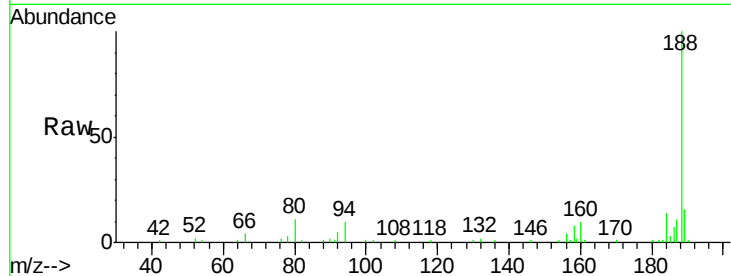




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

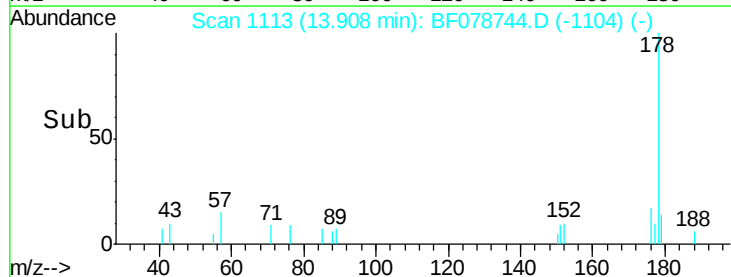
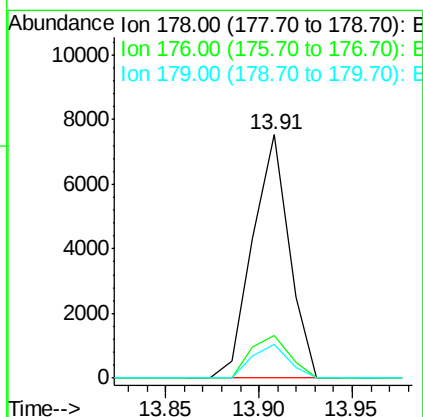
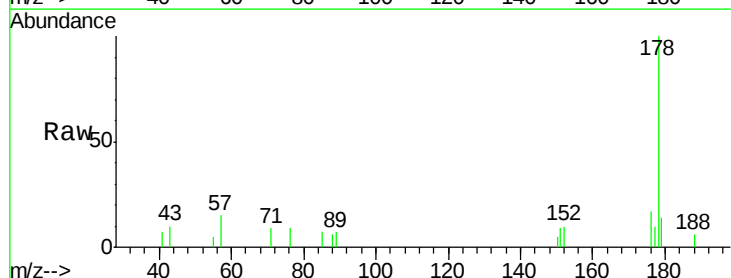
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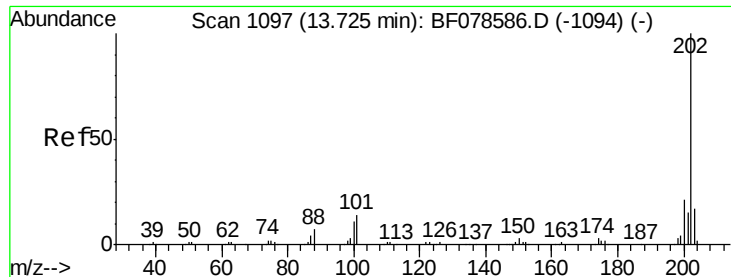
Tgt Ion:188 Resp: 80375
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.0 13.4
 80 10.8 9.5 14.3



#70
 Phenanthrene
 Concen: 2.19 ng
 RT: 13.91 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion:178 Resp: 10204
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.0
 179 14.1 12.2 18.2

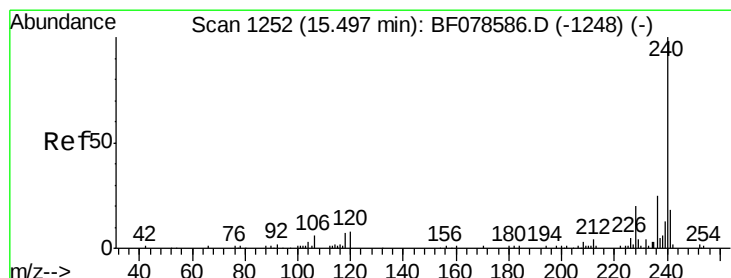
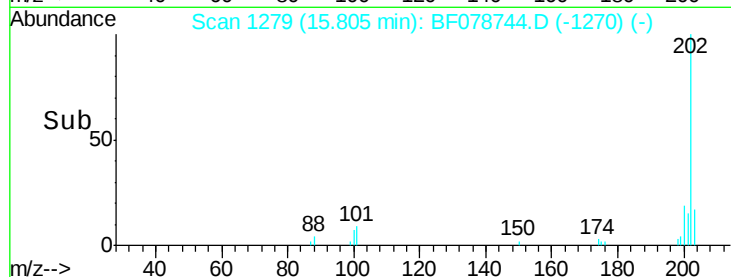
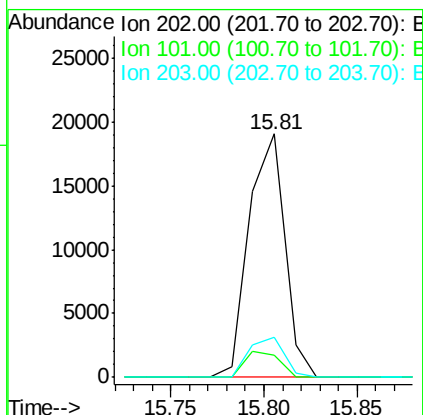
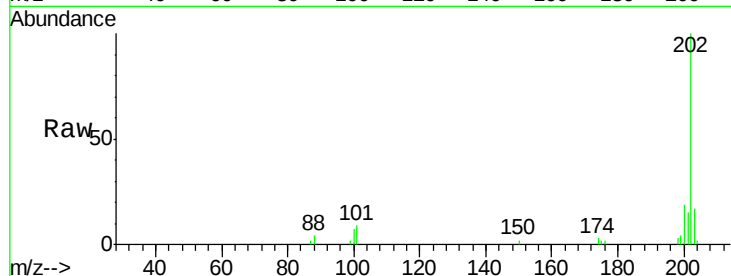




#74
 Fluoranthene
 Concen: 5.17 ng
 RT: 15.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

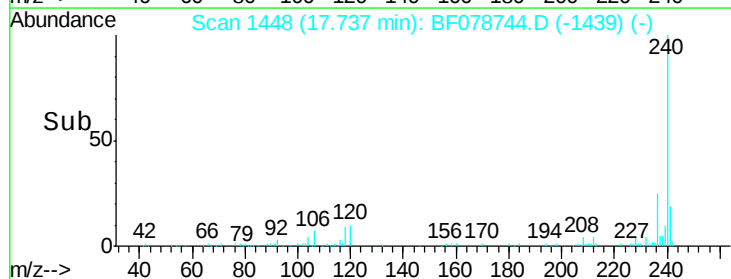
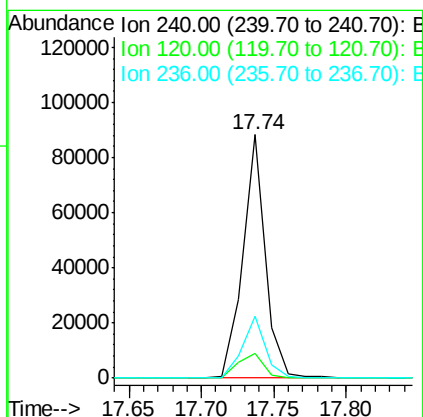
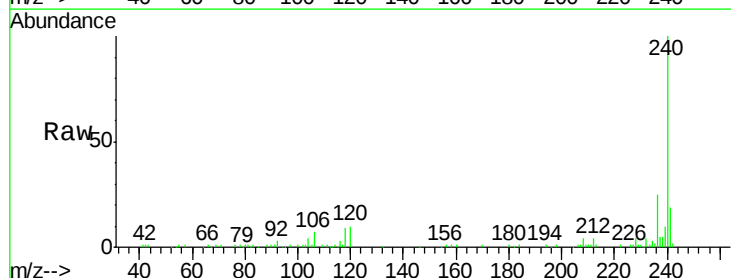
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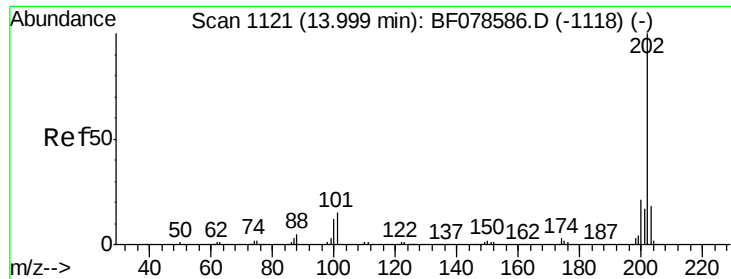
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	35.2
203	16.5	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.74 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.1	10.7
236	25.4	21.4	32.2

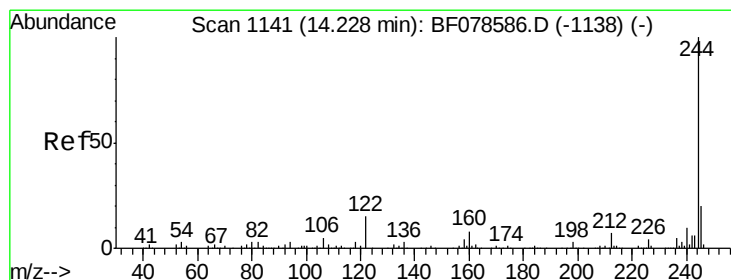
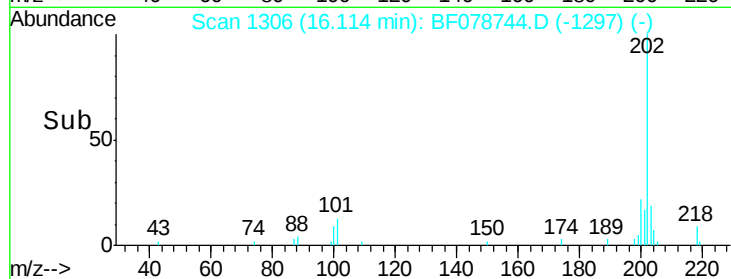
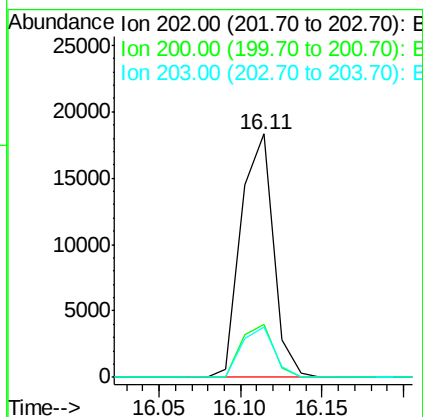
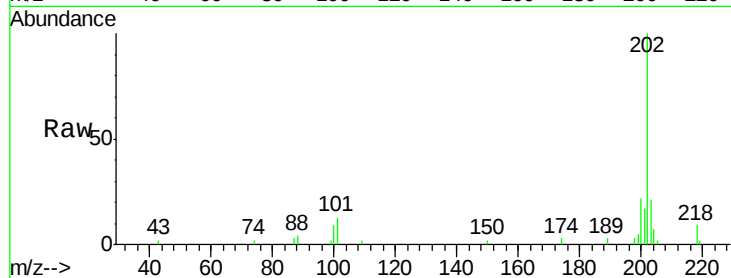




#77
 Pyrene
 Concen: 4.20 ng
 RT: 16.11 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

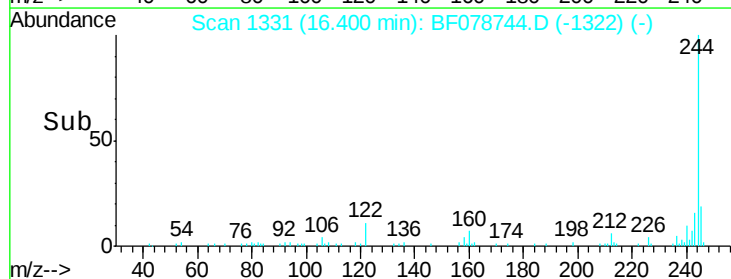
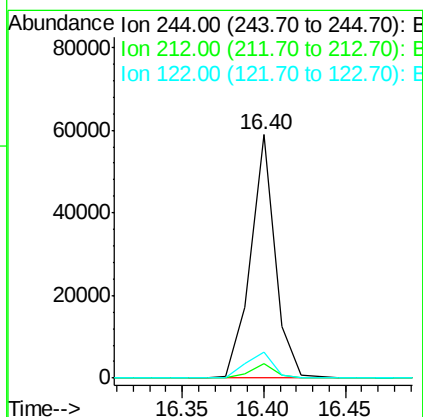
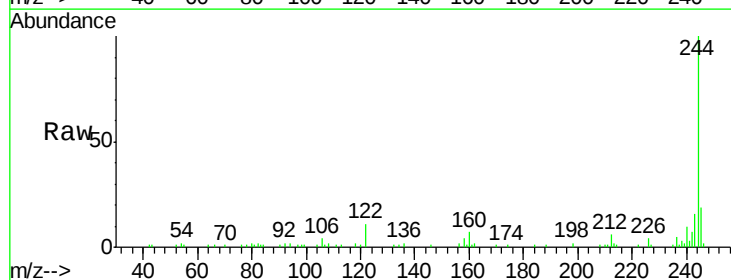
Instrument :
 BNA_F
 ClientSampled :
 SB-79S

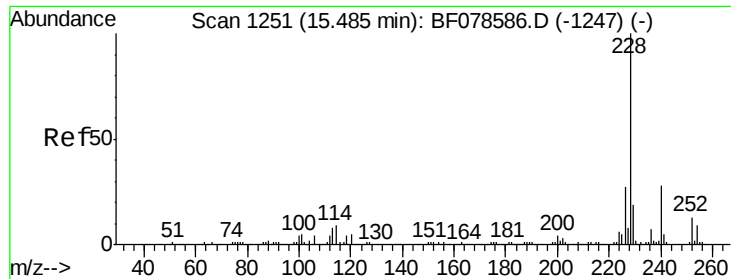
Tgt Ion: 202 Resp: 25138
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.3 24.5
 203 20.6 13.8 20.6



#78
 Terphenyl-d14
 Concen: 14.61 ng
 RT: 16.40 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF078744.D
 Acq: 23 Apr 2015 8:12

Tgt Ion: 244 Resp: 61724
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.7 7.1 10.7#





#80

Benzo(a)anthracene

Concen: 2.91 ng

RT: 17.73 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

Instrument :

BNA_F

ClientSampleId :

SB-79S

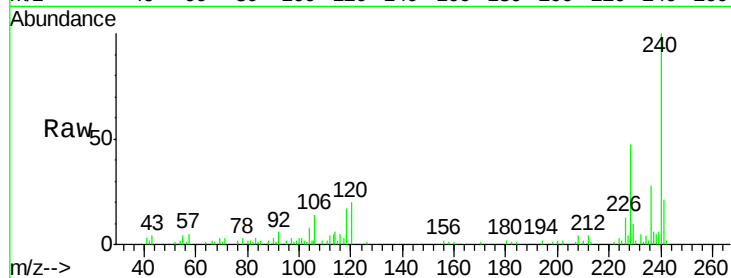
Tgt Ion: 228 Resp: 16550

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

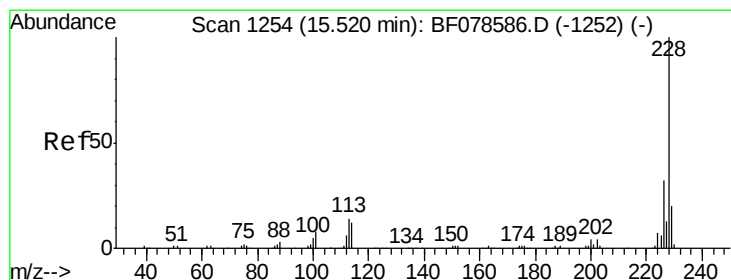
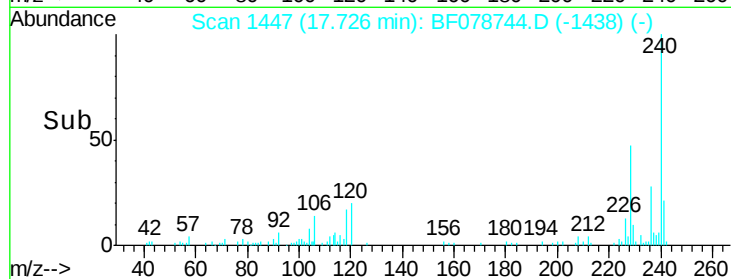
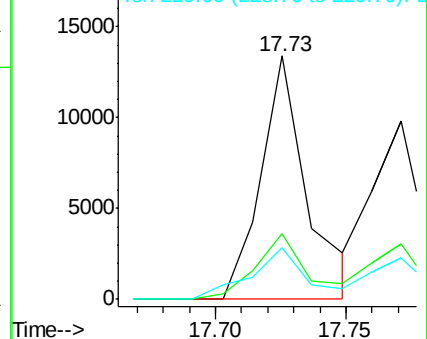
229 21.3 15.4 23.2



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: 2.34 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

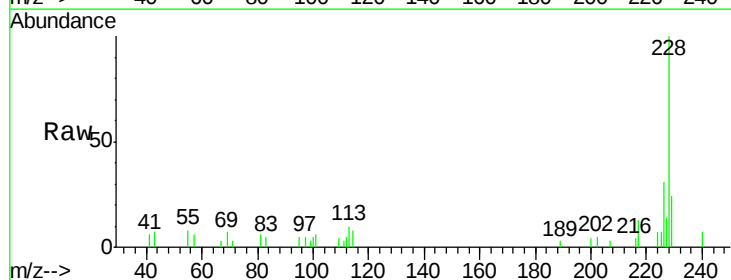
Tgt Ion: 228 Resp: 12494

Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.4

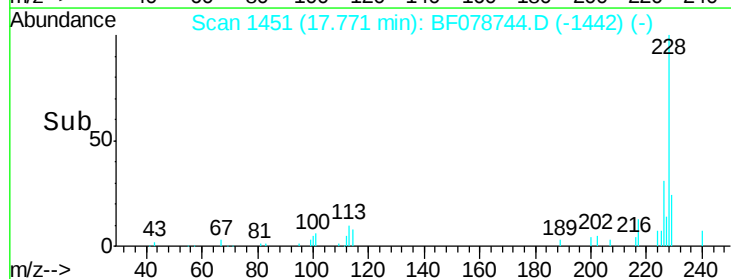
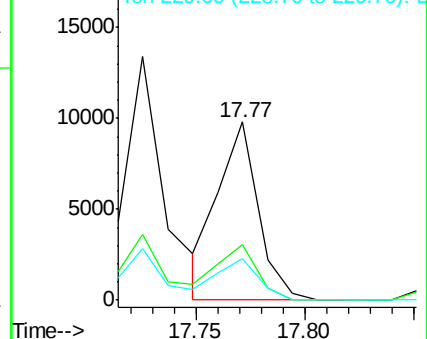
229 23.6 15.8 23.8

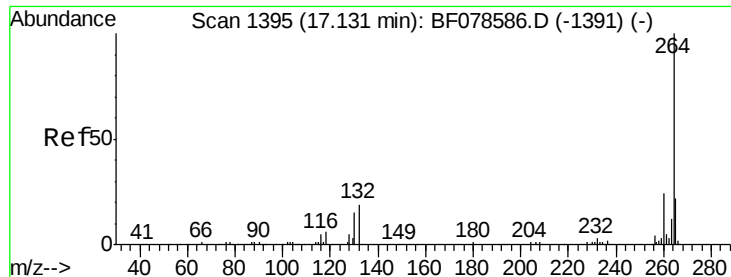


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

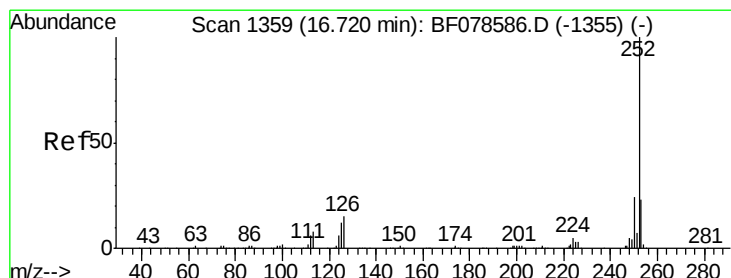
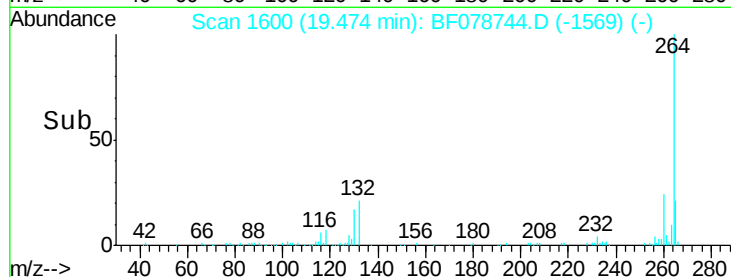
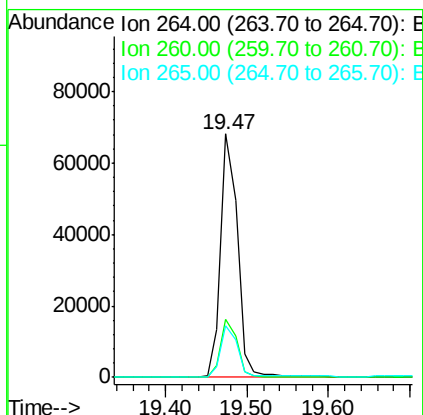
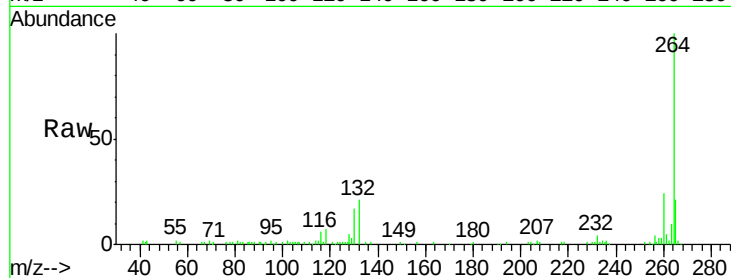




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.47 min Scan# 1600
Delta R.T. 0.06 min
Lab File: BF078744.D
Acq: 23 Apr 2015 8:12

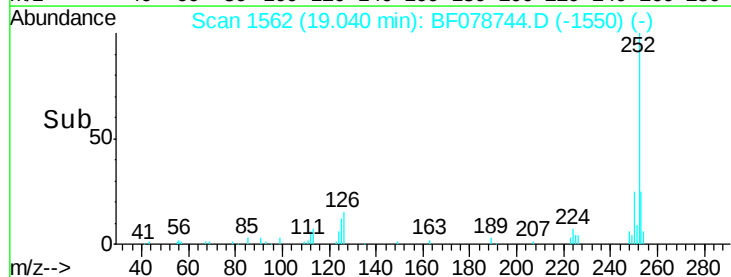
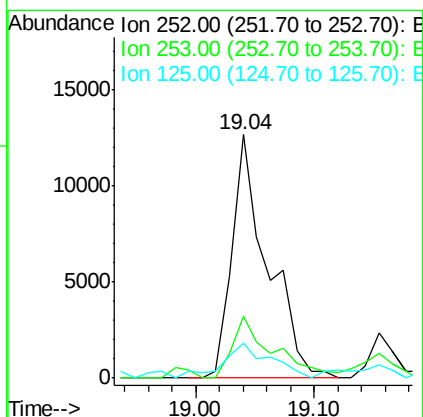
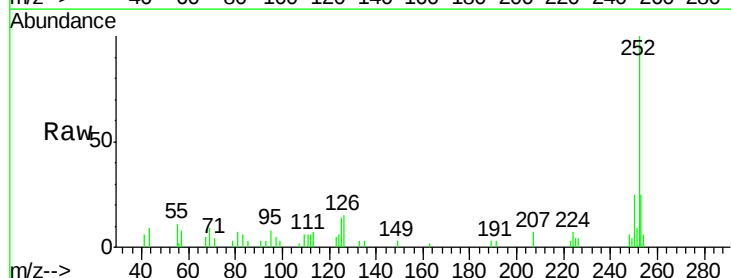
Instrument :
BNA_F
ClientSampleId :
SB-79S

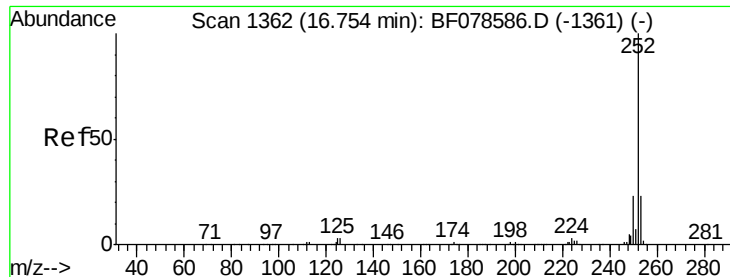
Tgt Ion: 264 Resp: 98229
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 21.2 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 4.35 ng
RT: 19.04 min Scan# 1562
Delta R.T. 0.03 min
Lab File: BF078744.D
Acq: 23 Apr 2015 8:12

Tgt Ion: 252 Resp: 26438
Ion Ratio Lower Upper
252 100
253 25.2 17.2 25.8
125 14.3 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 4.86 ng

RT: 19.04 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

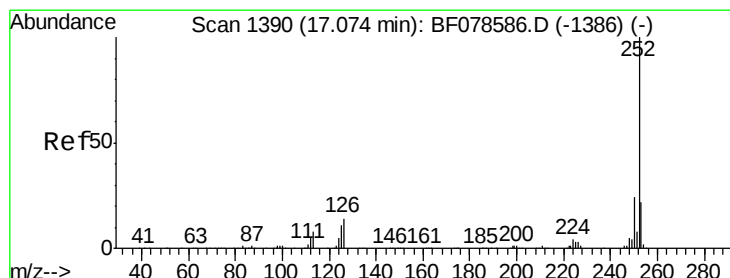
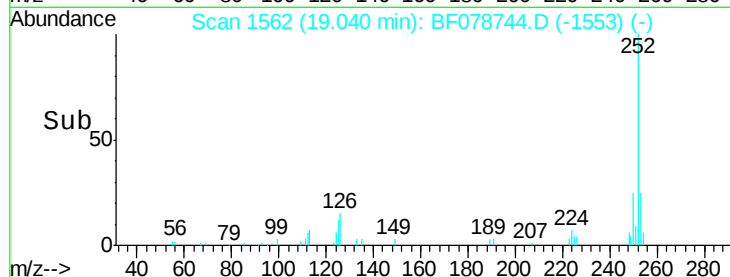
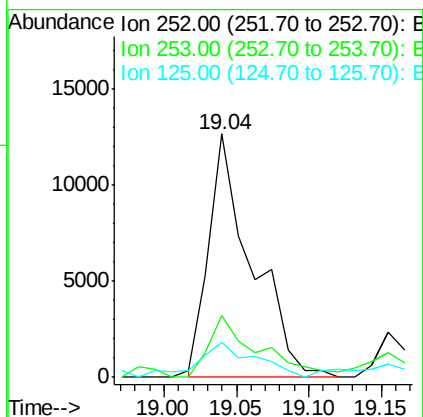
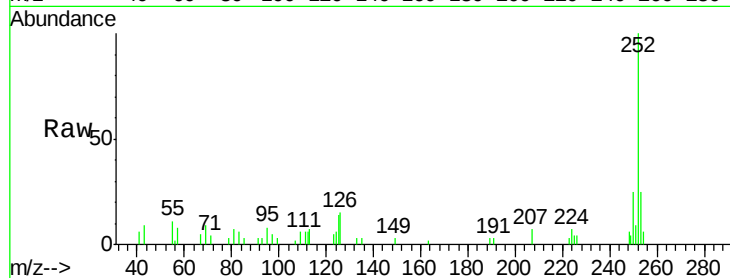
Instrument :

BNA_F

ClientSampleId :

SB-79S

Tgt Ion:	252	Resp:	26199
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.5	26.3
125	14.3	11.6	17.4



#89

Benzo(a)pyrene

Concen: 2.75 ng

RT: 19.42 min Scan# 1595

Delta R.T. 0.06 min

Lab File: BF078744.D

Acq: 23 Apr 2015 8:12

Tgt Ion:	252	Resp:	14547
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.8	25.2
125	12.4	7.4	11.0#

