

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078665.D
 Acq On : 21 Apr 2015 3:50
 Operator : TP/IZ
 Sample : G1943-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Quant Time: Apr 21 04:38:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

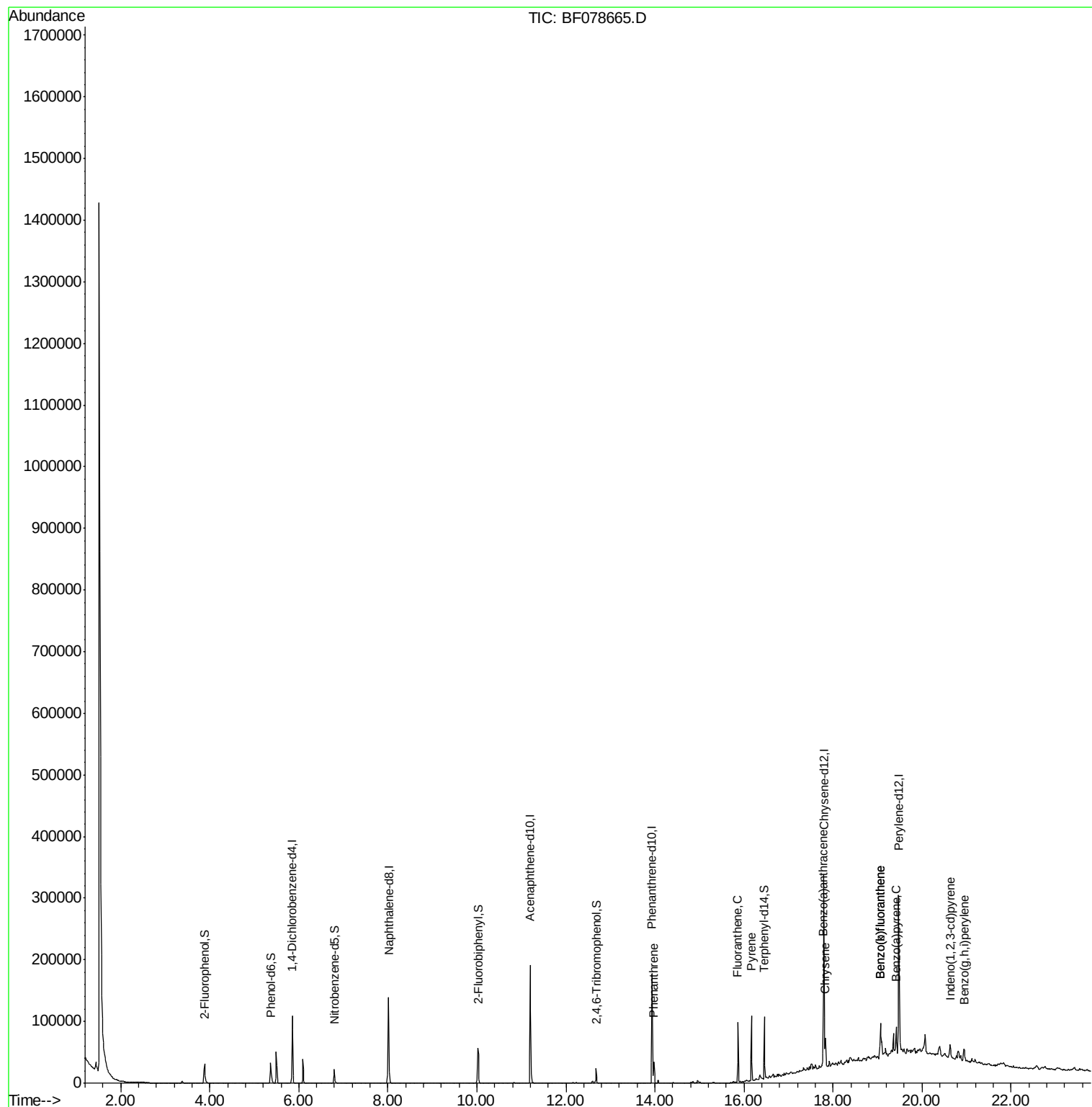
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	27161	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	112154	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	57917	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	112861	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	118406	20.00	ng	-0.01
86) Perylene-d12	19.47	264	116523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	17413	10.57	ng	0.01
7) Phenol-d6	5.37	99	22502	10.90	ng	0.01
23) Nitrobenzene-d5	6.80	82	13746	7.43	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4874	10.15	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	33103	8.17	ng	-0.01
78) Terphenyl-d14	16.46	244	39249	7.49	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	13.98	178	20904	3.20	ng	97
74) Fluoranthene	15.86	202	50804	7.38	ng	94
77) Pyrene	16.17	202	50327	6.77	ng	98
80) Benzo(a)anthracene	17.78	228	25649	3.64	ng	99
82) Chrysene	17.83	228	20392	3.08	ng	96
85) Indeno(1,2,3-cd)pyrene	20.63	276	15374	2.05	ng	# 84
87) Benzo(b)fluoranthene	19.06	252	40098	5.57	ng	# 91
88) Benzo(k)fluoranthene	19.06	252	40099	6.27	ng	97
89) Benzo(a)pyrene	19.42	252	20436	3.25	ng	# 93
91) Benzo(g,h,i)perylene	20.95	276	13655	2.16	ng	96

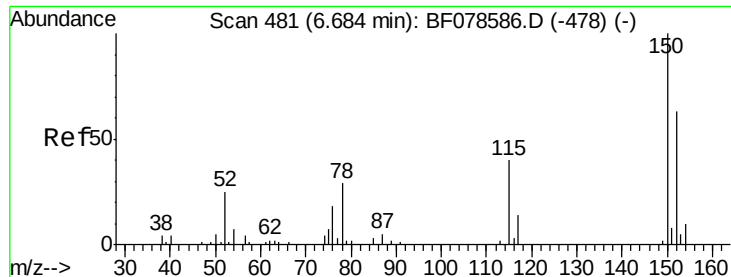
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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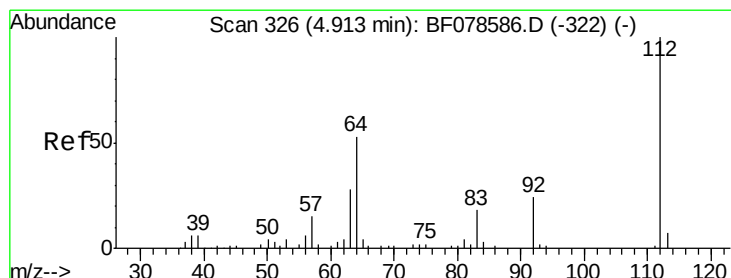
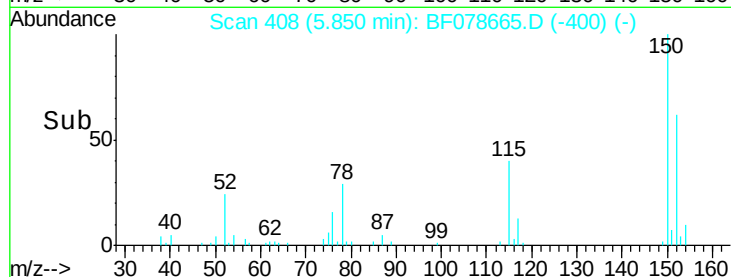
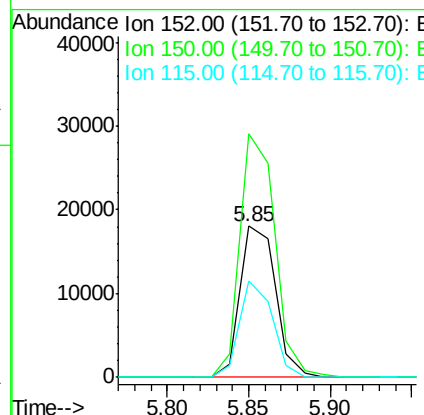
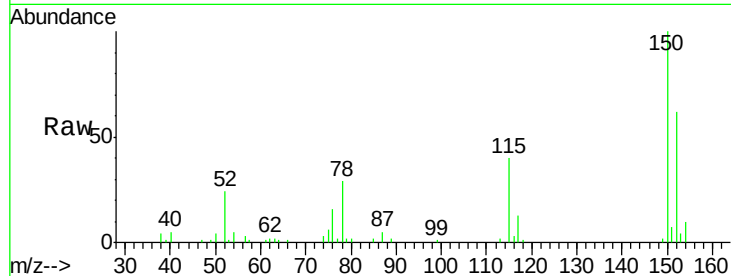




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

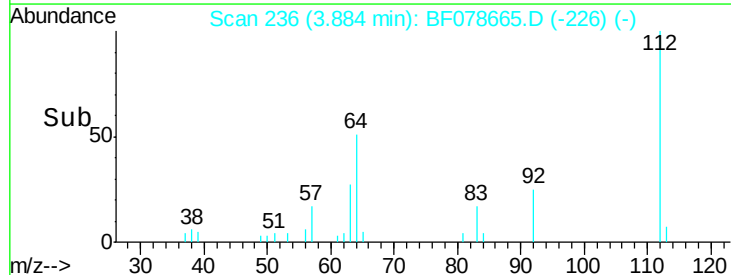
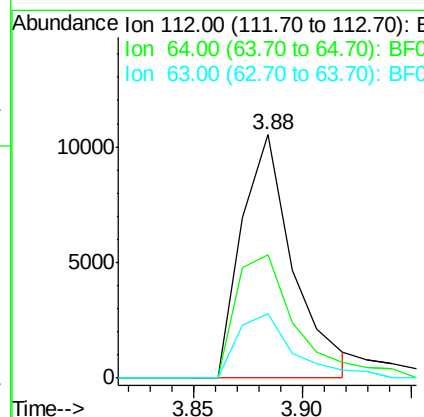
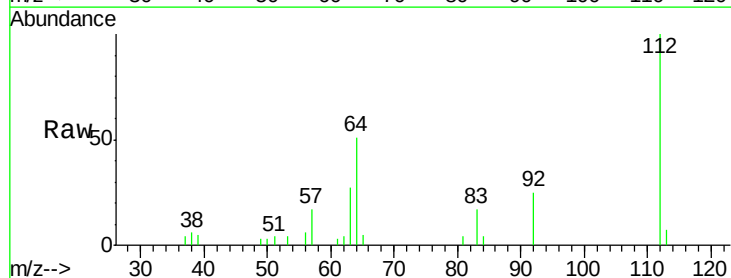
Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

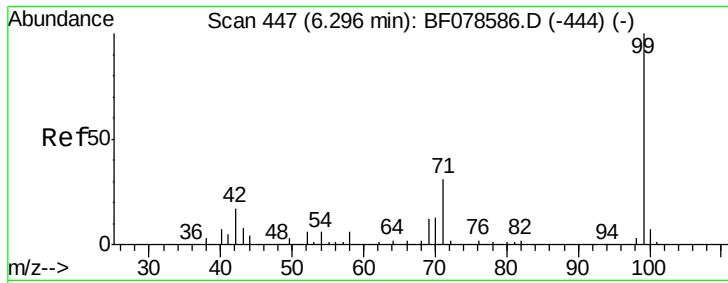
Tgt Ion:152 Resp: 27161
 Ion Ratio Lower Upper
 152 100
 150 161.0 125.9 188.9
 115 64.1 52.7 79.1



#5
 2-Fluorophenol
 Concen: 10.57 ng
 RT: 3.88 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion:112 Resp: 17413
 Ion Ratio Lower Upper
 112 100
 64 50.7 39.9 59.9
 63 26.6 20.2 30.4





#7

Phenol-d6

Concen: 10.90 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SP-A-1

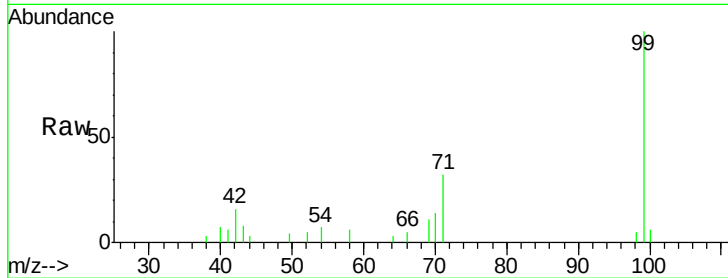
Tgt Ion: 99 Resp: 22502

Ion Ratio Lower Upper

99 100

42 16.1 14.8 22.2

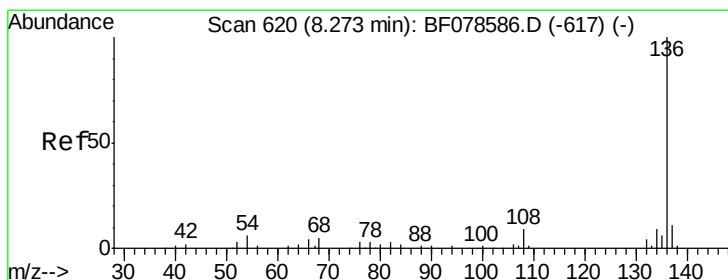
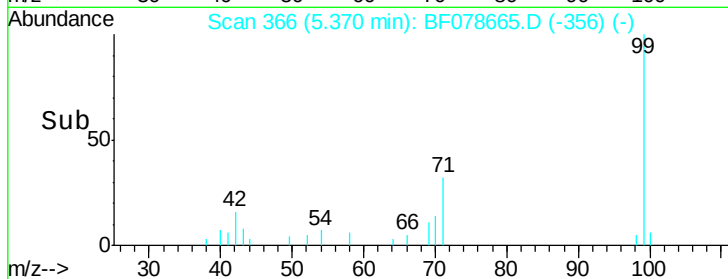
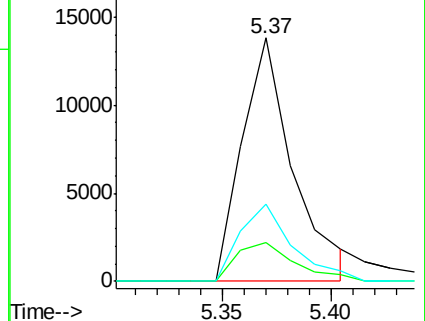
71 31.7 26.6 39.8



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: 8.02 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Tgt Ion: 136 Resp: 112154

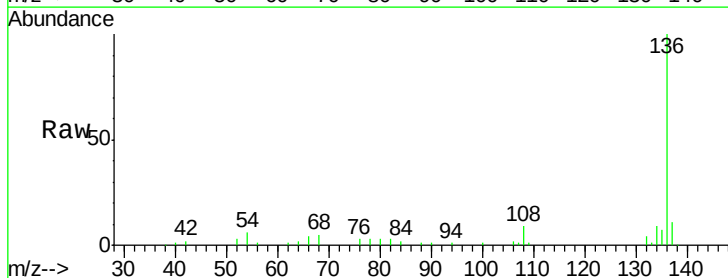
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.2 7.0 10.6#

68 5.0 5.4 8.2#

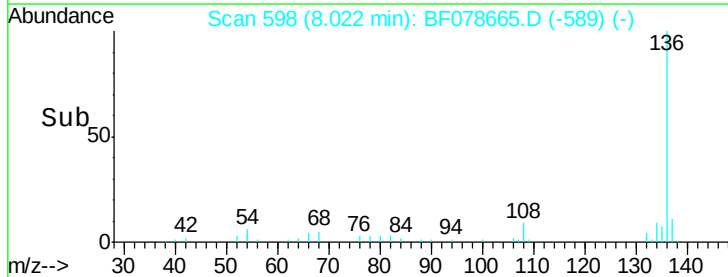
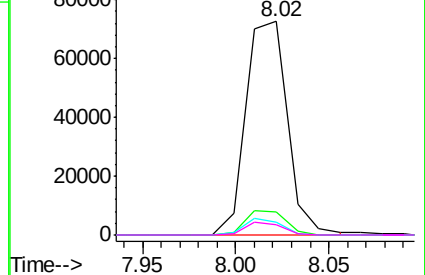


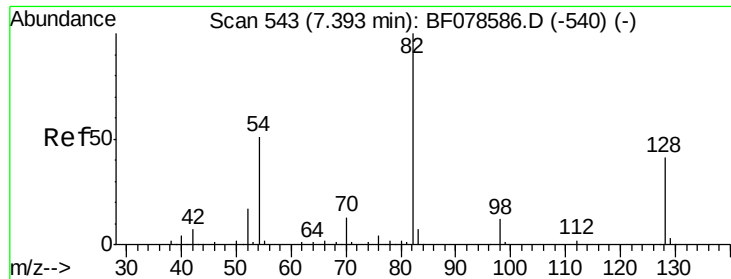
Abundance Ion 136.00 (135.70 to 136.70): E

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

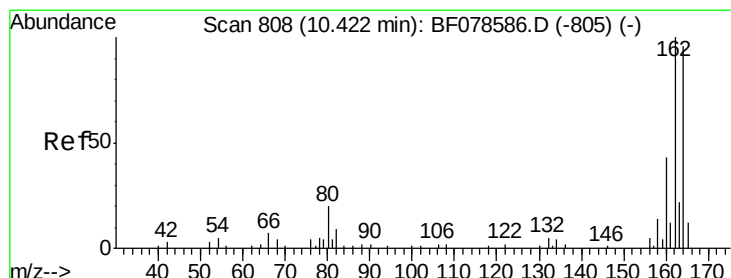
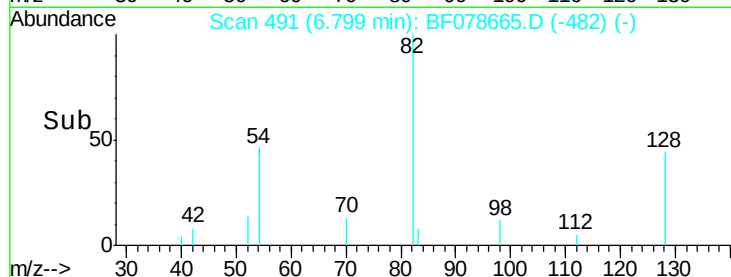
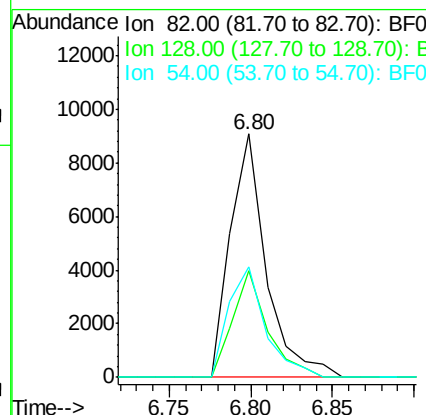
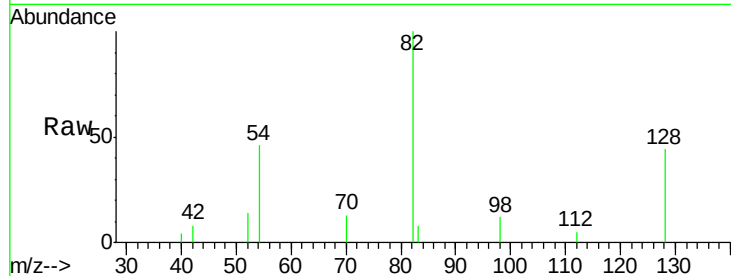




#23
 Nitrobenzene-d5
 Concen: 7.43 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

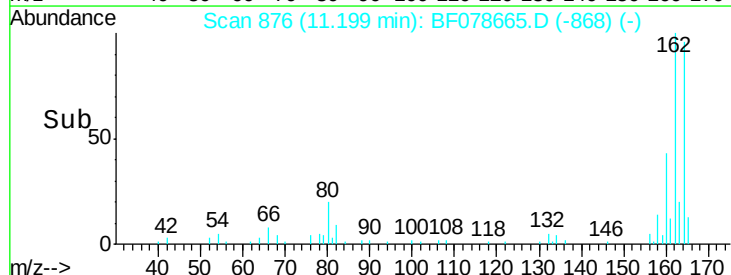
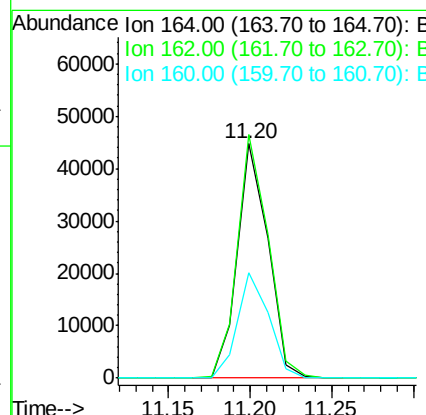
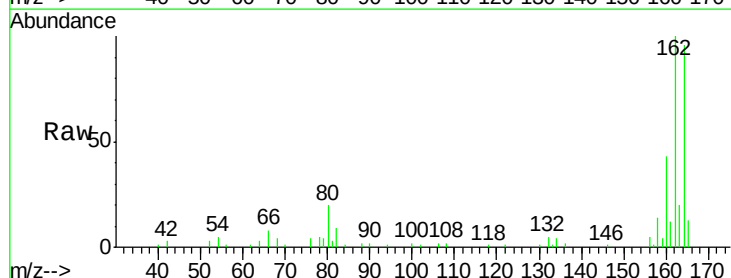
Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

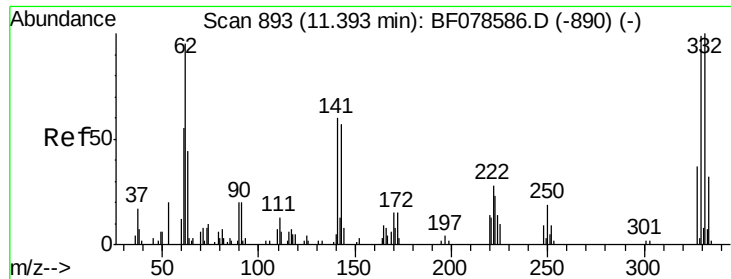
Tgt Ion: 82 Resp: 13746
 Ion Ratio Lower Upper
 82 100
 128 44.0 31.8 47.8
 54 45.6 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion: 164 Resp: 57917
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.2 123.2
 160 45.2 34.7 52.1

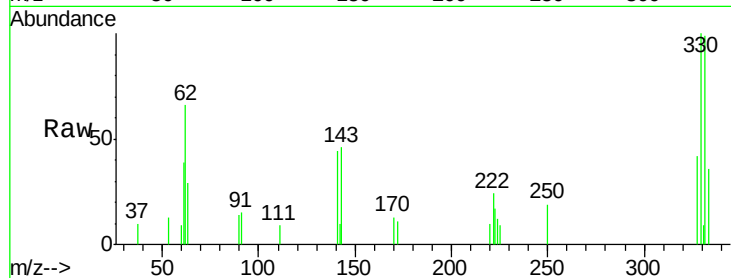




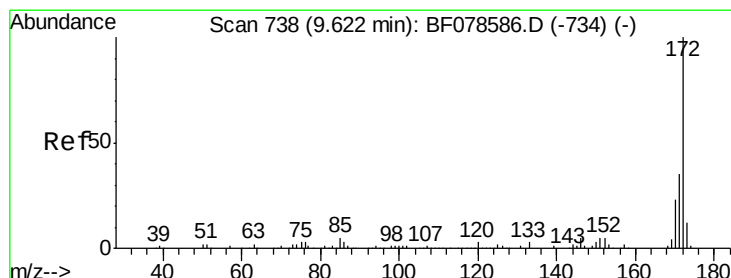
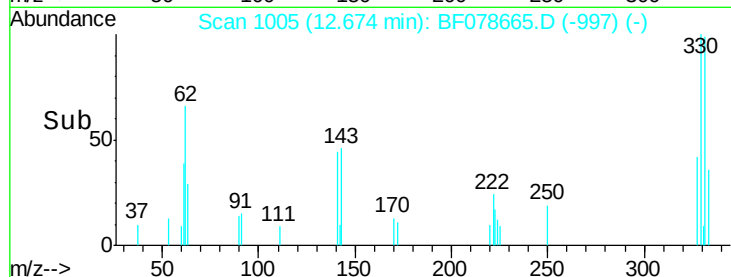
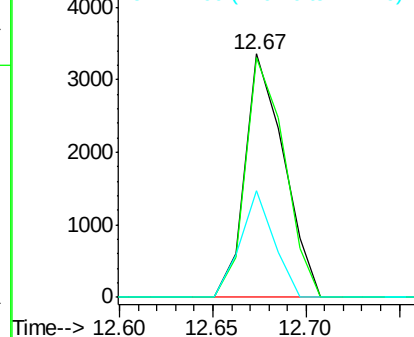
#41
 2,4,6-Tribromophenol
 Concen: 10.15 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Tgt Ion:330 Resp: 4874
 Ion Ratio Lower Upper
 330 100
 332 98.8 78.6 117.8
 141 37.7 31.2 46.8

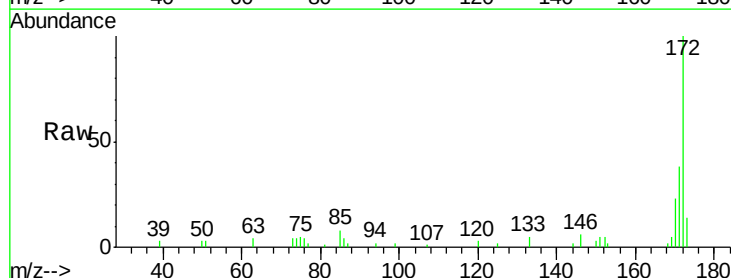


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

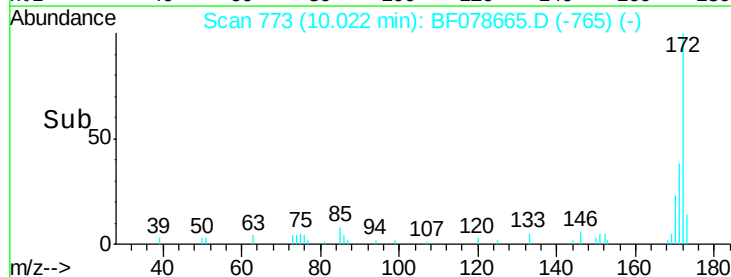
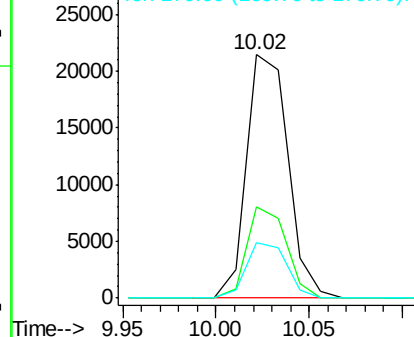


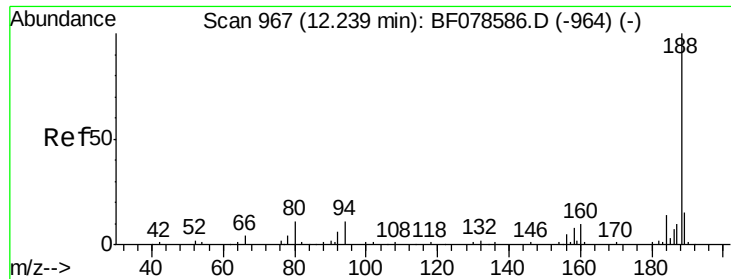
#44
 2-Fluorobiphenyl
 Concen: 8.17 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion:172 Resp: 33103
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.6 42.8
 170 23.0 18.5 27.7



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

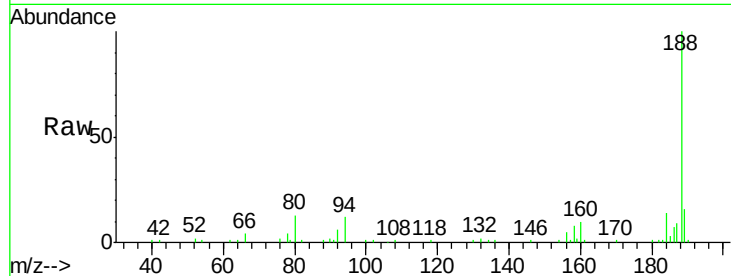




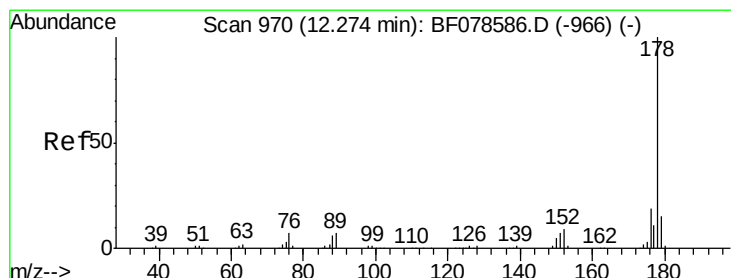
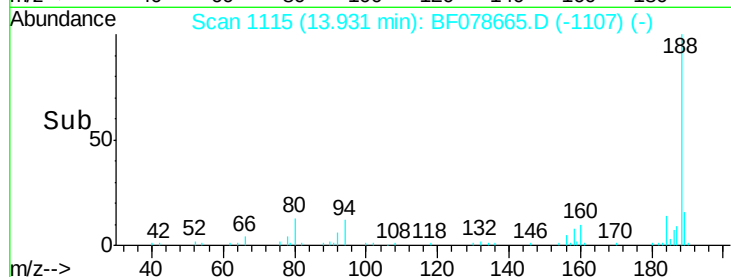
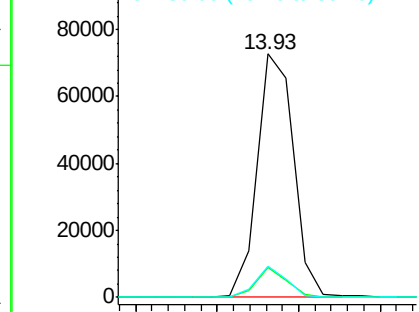
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.93 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Instrument :
BNA_F
ClientSampleID :
SP-A-1

Tgt Ion:188 Resp: 112861
Ion Ratio Lower Upper
188 100
94 12.0 9.0 13.4
80 12.6 9.5 14.3

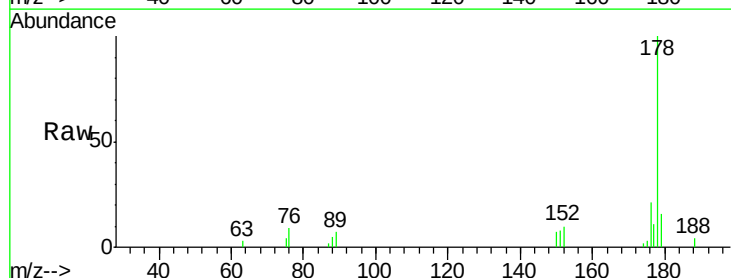


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

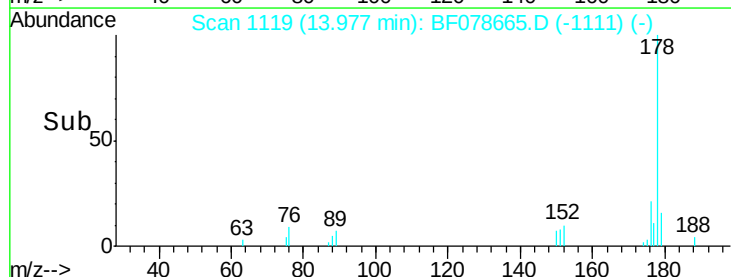
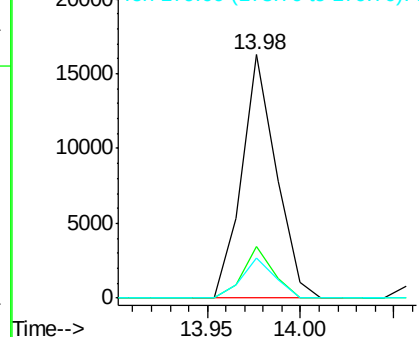


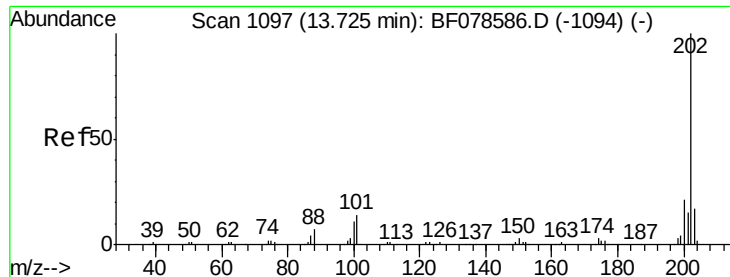
#70
Phenanthrene
Concen: 3.20 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Tgt Ion:178 Resp: 20904
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.0
179 16.4 12.2 18.2



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: 7.38 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SP-A-1

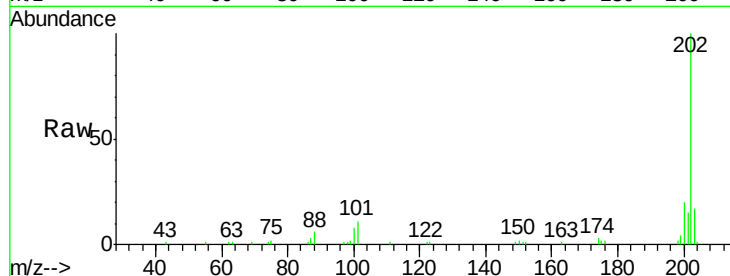
Tgt Ion: 202 Resp: 50804

Ion Ratio Lower Upper

202 100

101 11.4 0.0 35.2

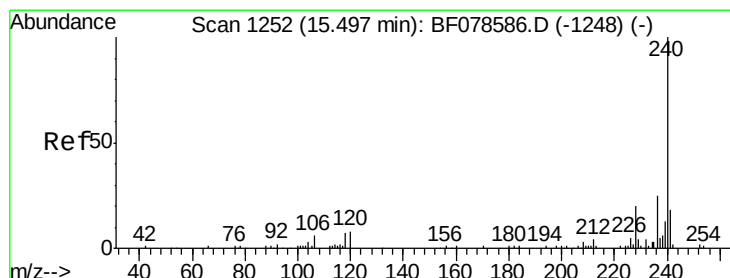
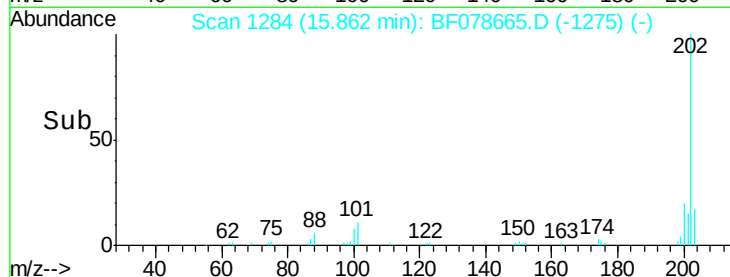
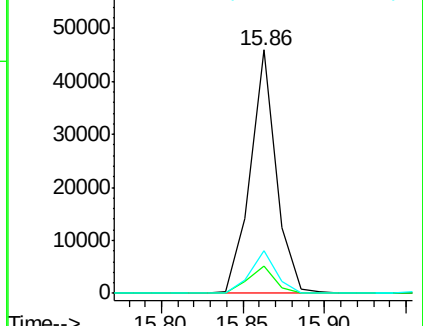
203 17.3 0.0 38.5



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: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

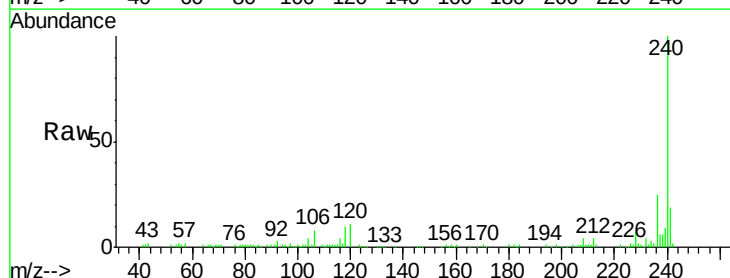
Tgt Ion: 240 Resp: 118406

Ion Ratio Lower Upper

240 100

120 11.4 7.1 10.7#

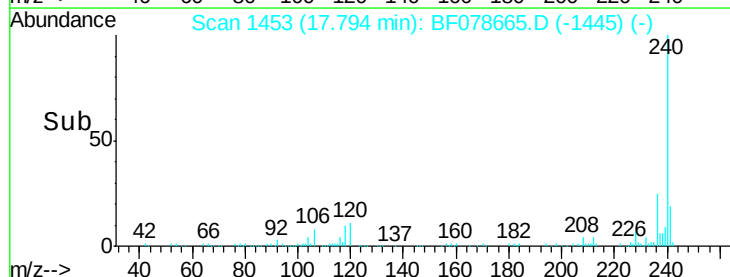
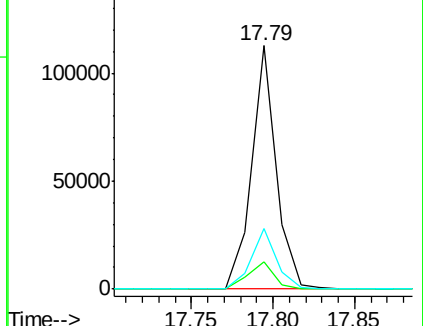
236 25.1 21.4 32.2

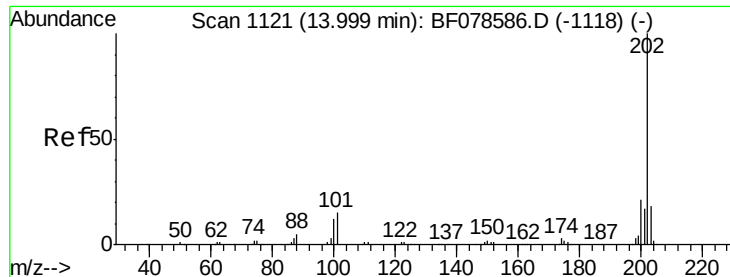


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

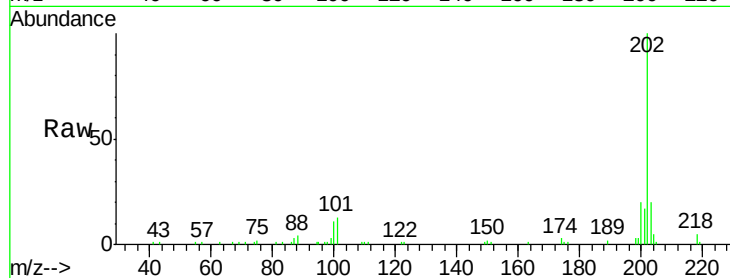




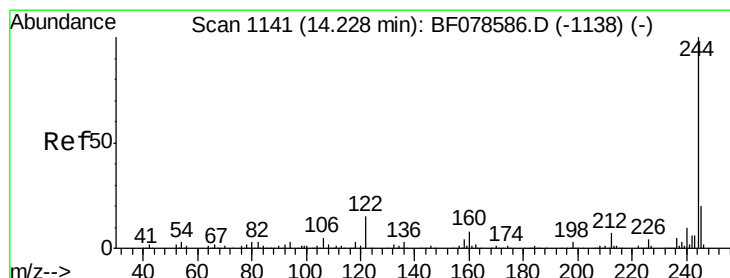
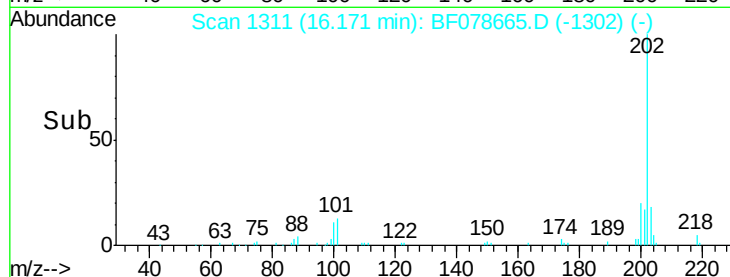
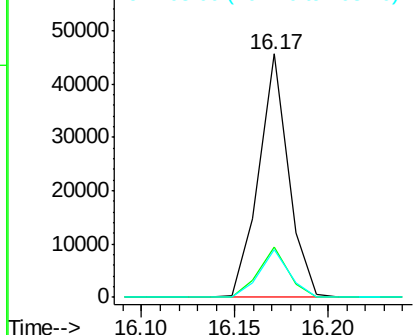
#77
 Pyrene
 Concen: 6.77 ng
 RT: 16.17 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Tgt Ion: 202 Resp: 50327
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.3 24.5
 203 19.5 13.8 20.6

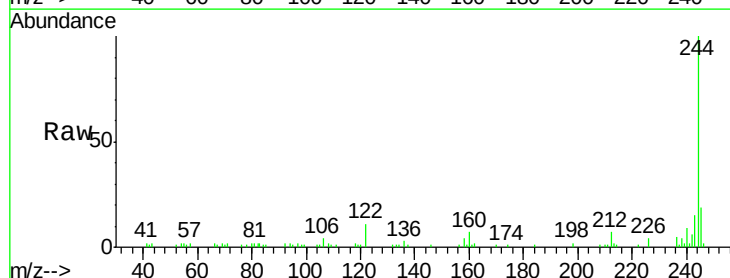


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

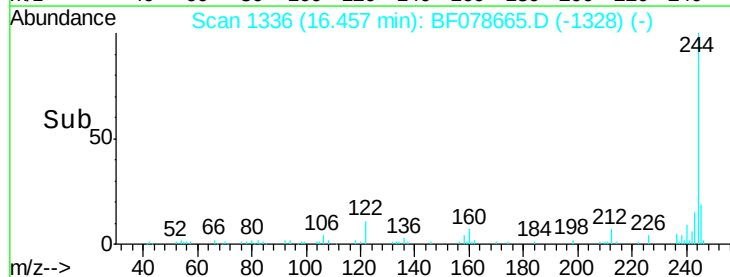
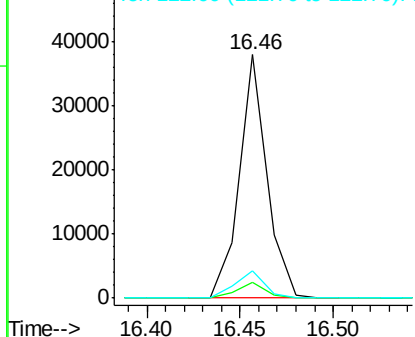


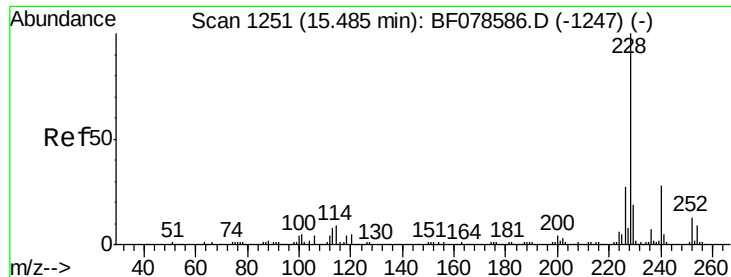
#78
 Terphenyl-d14
 Concen: 7.49 ng
 RT: 16.46 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion: 244 Resp: 39249
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 11.3 7.1 10.7#



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: 3.64 ng

RT: 17.78 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

ClientSampleId :

SP-A-1

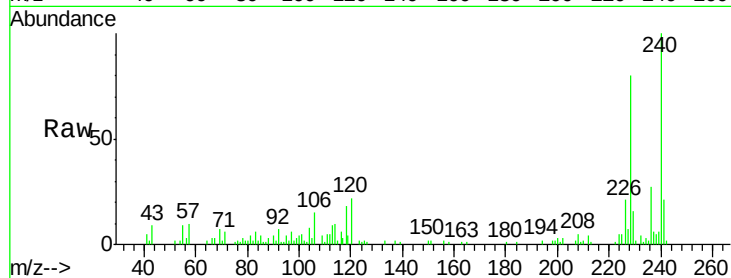
Tgt Ion:228 Resp: 25649

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

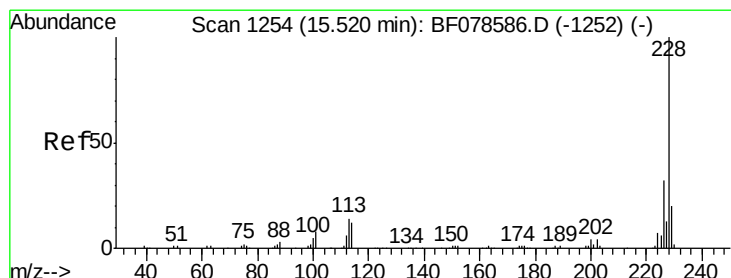
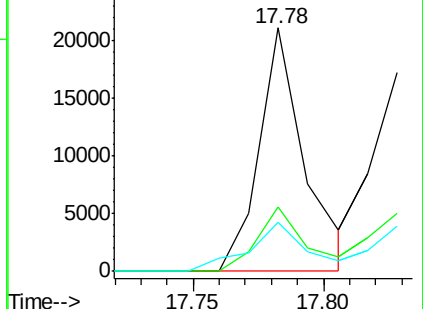
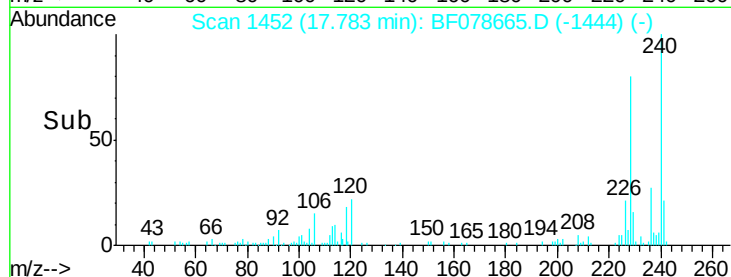
229 20.0 15.4 23.2



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: 3.08 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

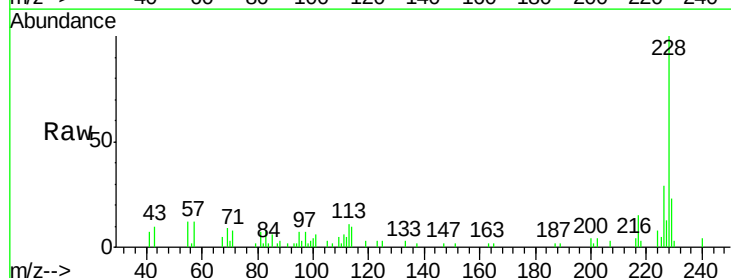
Tgt Ion:228 Resp: 20392

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

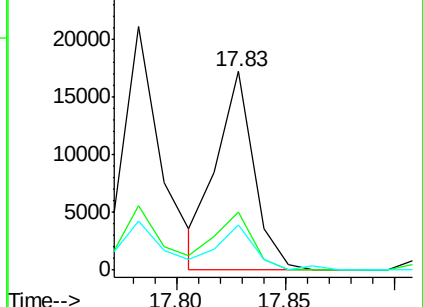
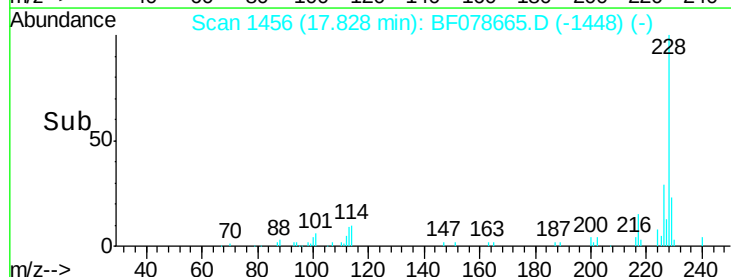
229 22.8 15.8 23.8

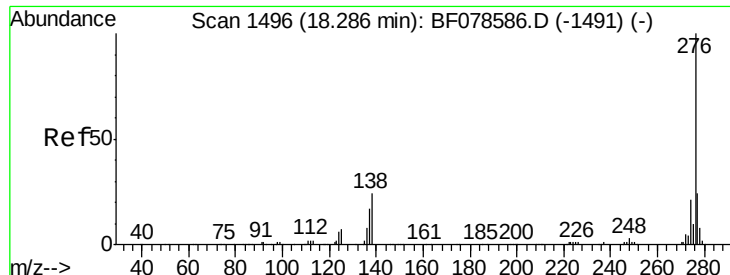


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

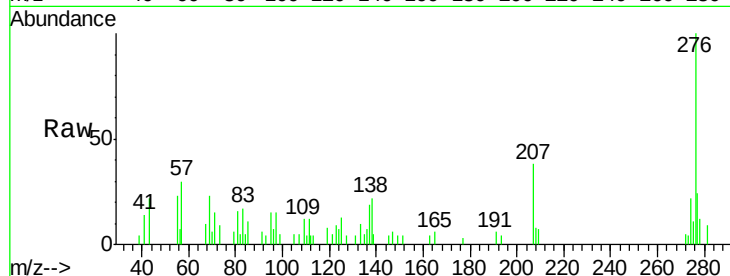




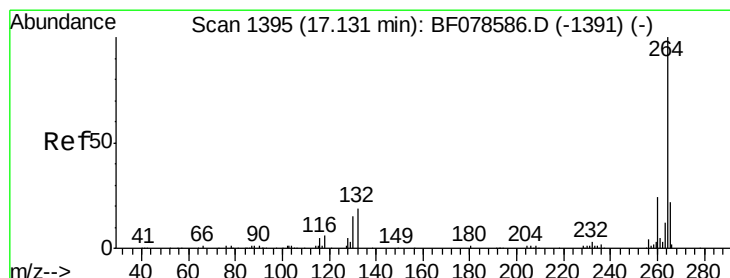
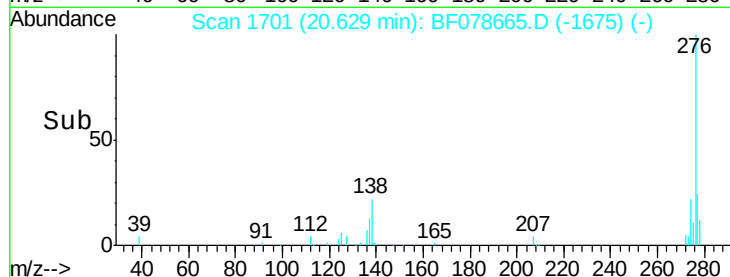
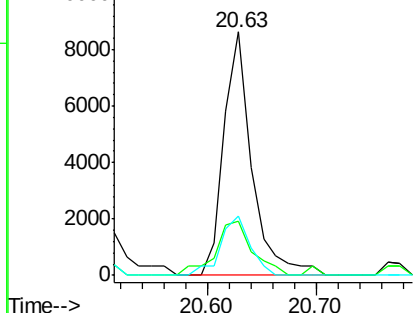
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.05 ng
 RT: 20.63 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Tgt Ion: 276 Resp: 15374
 Ion Ratio Lower Upper
 276 100
 138 30.0 16.9 25.3#
 277 25.6 15.8 23.6#

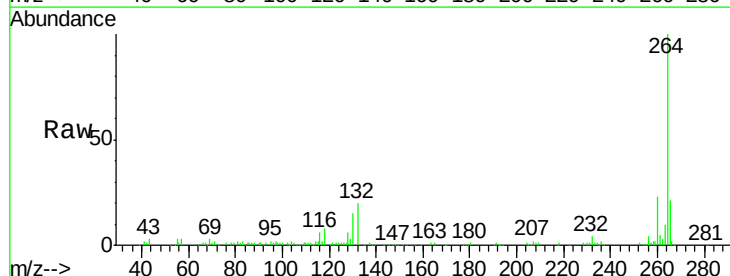


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

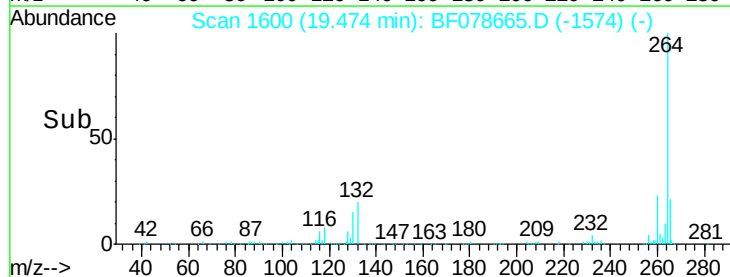
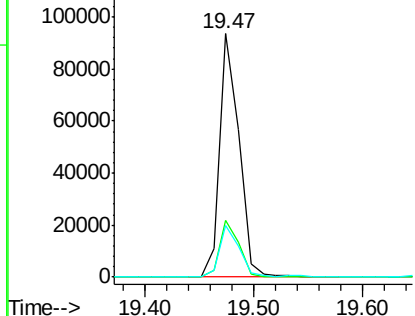


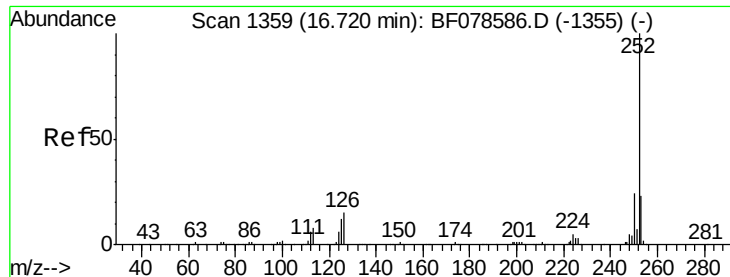
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion: 264 Resp: 116523
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 21.1 17.0 25.6



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

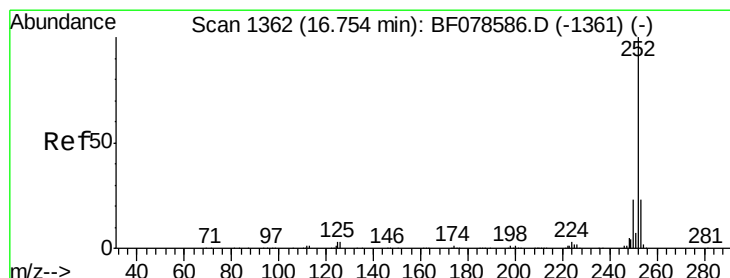
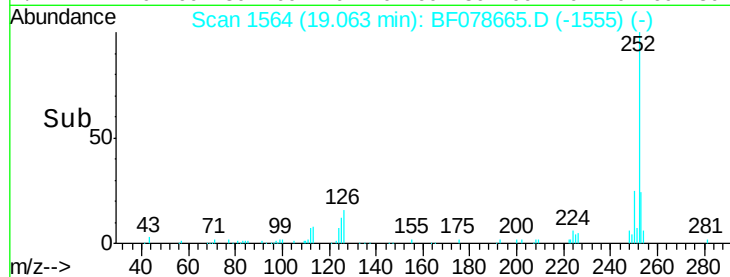
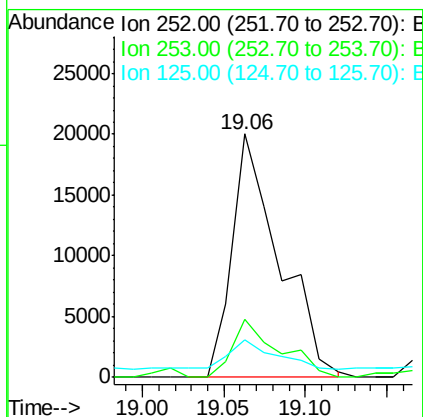
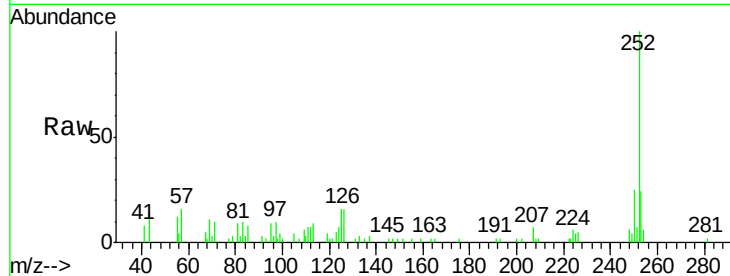




#87
Benzo(b)fluoranthene
Concen: 5.57 ng
RT: 19.06 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Instrument :
BNA_F
ClientSampled :
SP-A-1

Tgt Ion:252 Resp: 40098
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 15.5 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 6.27 ng
RT: 19.06 min Scan# 1564
Delta R.T. -0.03 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Tgt Ion:252 Resp: 40099
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 15.5 11.6 17.4

