

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078701.D
 Acq On : 22 Apr 2015 00:13
 Operator : TP/IZ
 Sample : G1962-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-SOURCE1

Quant Time: Apr 22 02:28:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

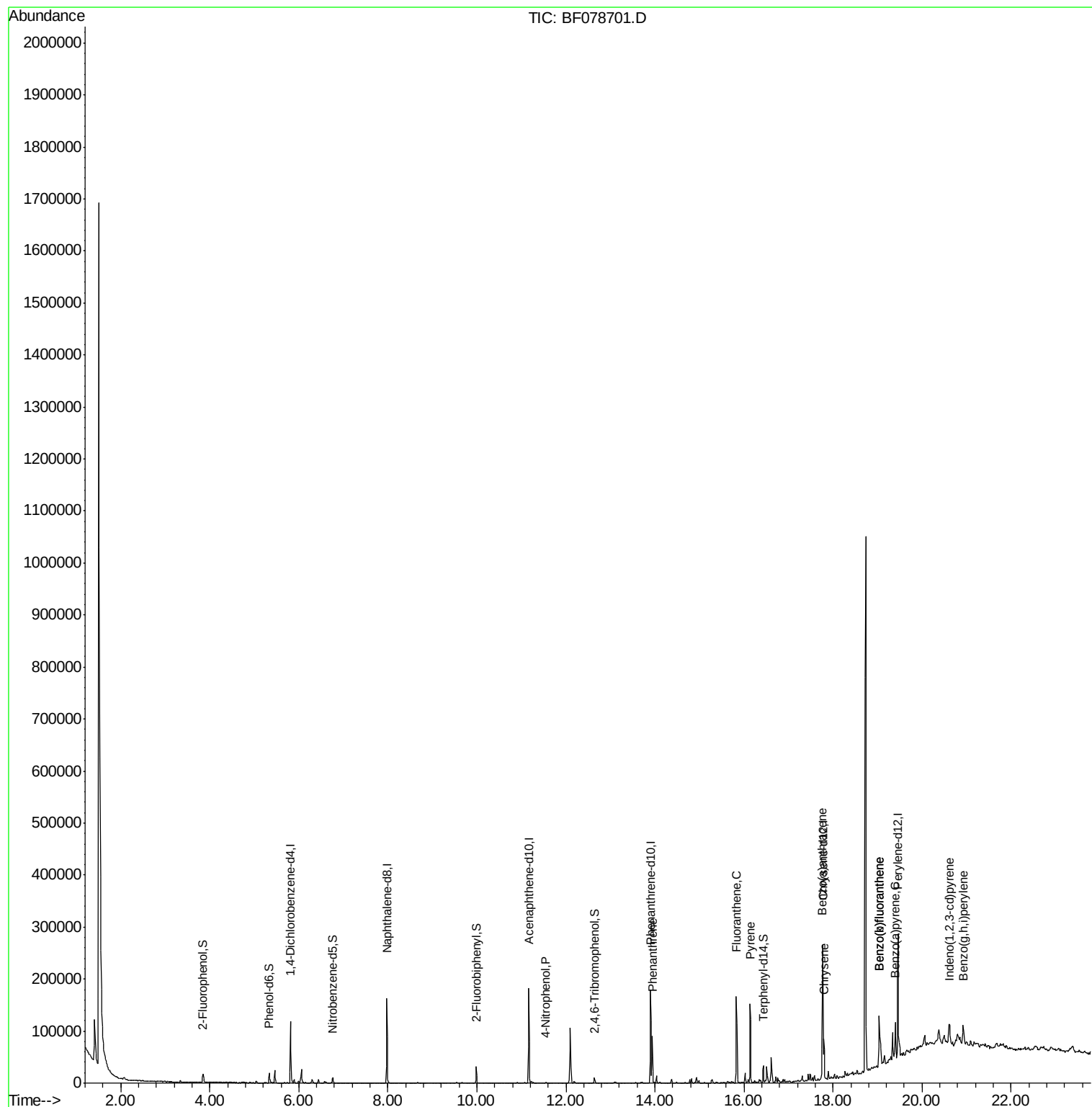
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	25773	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	106057	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	53224	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	104676	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	115585	20.00	ng	-0.01
86) Perylene-d12	19.46	264	114964	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.85	112	9218	5.90	ng	0.02
7) Phenol-d6	5.34	99	11935	6.09	ng	0.01
23) Nitrobenzene-d5	6.76	82	7167	4.10	ng	0.00
41) 2,4,6-Tribromophenol	12.64	330	2990	6.77	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	16214	4.35	ng	-0.01
78) Terphenyl-d14	16.43	244	18781	3.67	ng	0.00
Target Compounds						
55) 4-Nitrophenol	11.55	139	400	3.33	ng	Qvalue # 18
70) Phenanthrene	13.94	178	52258	8.63	ng	99
74) Fluoranthene	15.83	202	98809	15.47	ng	96
77) Pyrene	16.14	202	82521	11.37	ng	97
80) Benzo(a)anthracene	17.76	228	36685	5.33	ng	99
82) Chrysene	17.79	228	33211	5.14	ng	96
85) Indeno(1,2,3-cd)pyrene	20.62	276	24213	3.30	ng	# 65
87) Benzo(b)fluoranthene	19.04	252	67707	9.53	ng	# 95
88) Benzo(k)fluoranthene	19.04	252	67456	10.68	ng	96
89) Benzo(a)pyrene	19.39	252	32268	5.20	ng	# 90
91) Benzo(g,h,i)perylene	20.93	276	23457	3.77	ng	98

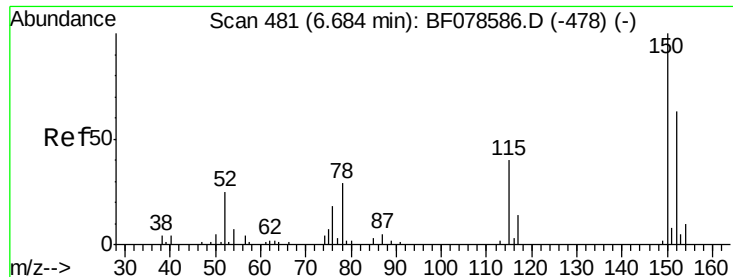
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.82 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1

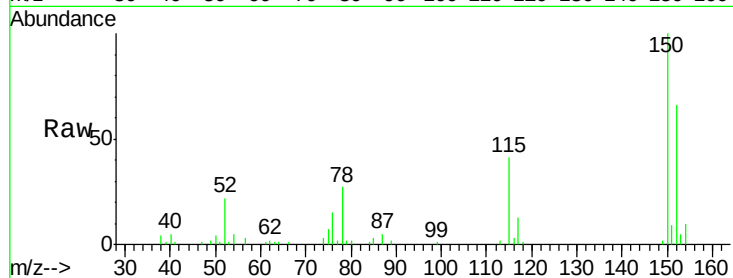
Tgt Ion:152 Resp: 25773

Ion Ratio Lower Upper

152 100

150 151.9 125.9 188.9

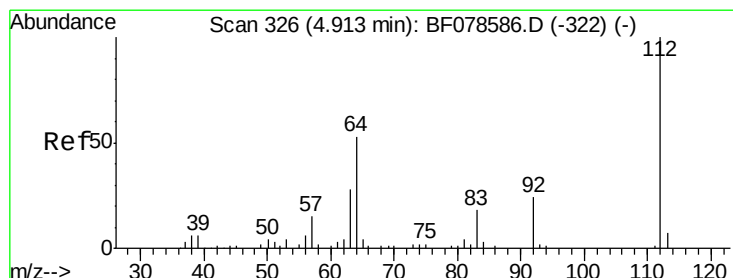
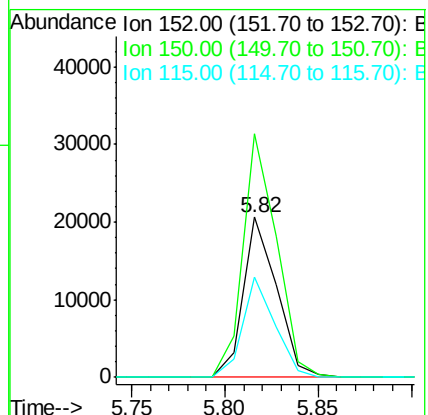
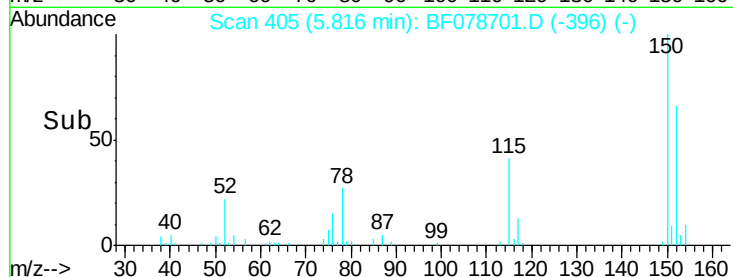
115 62.2 52.7 79.1



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: 5.90 ng

RT: 3.85 min Scan# 233

Delta R.T. 0.02 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

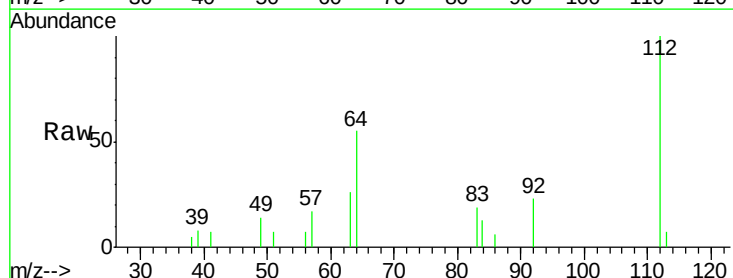
Tgt Ion:112 Resp: 9218

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

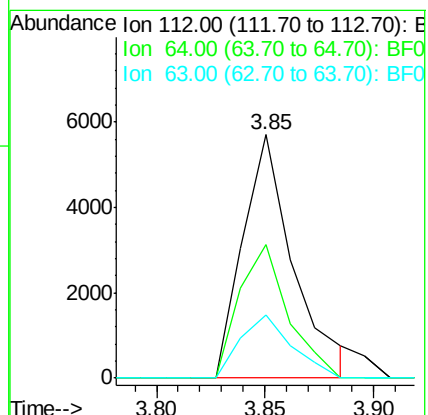
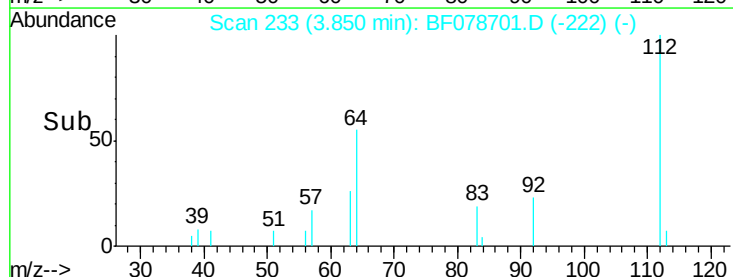
63 26.1 20.2 30.4

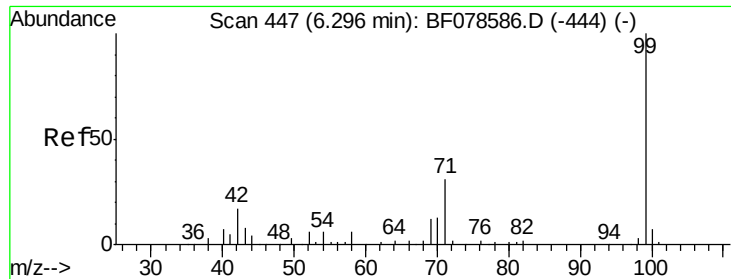


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.09 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1

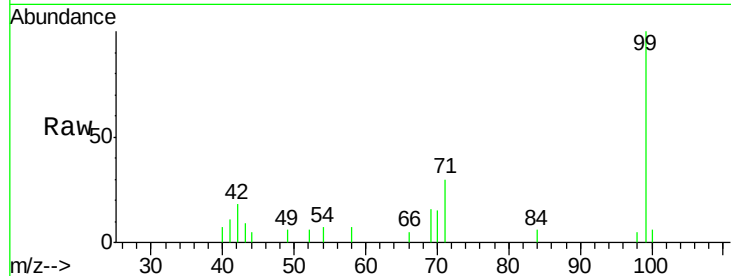
Tgt Ion: 99 Resp: 11935

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

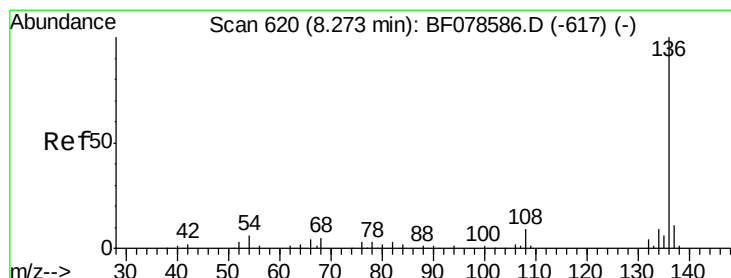
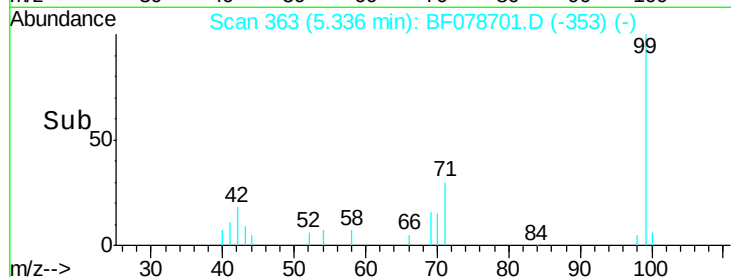
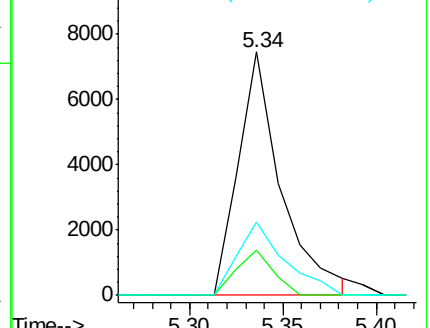
71 30.3 26.6 39.8



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: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Tgt Ion: 136 Resp: 106057

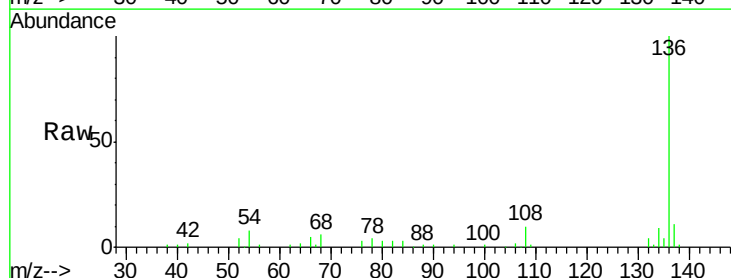
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.6 7.0 10.6

68 5.8 5.4 8.2

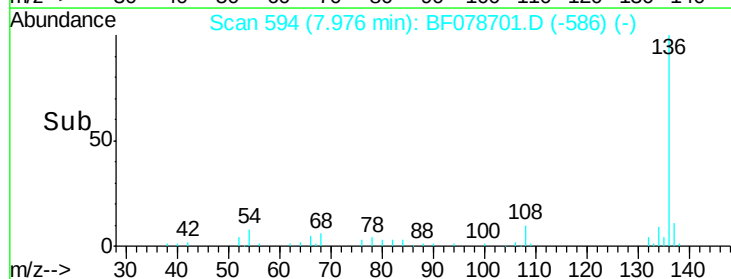
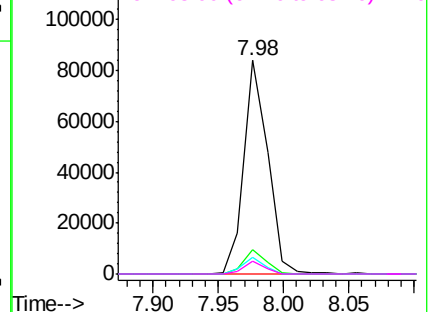


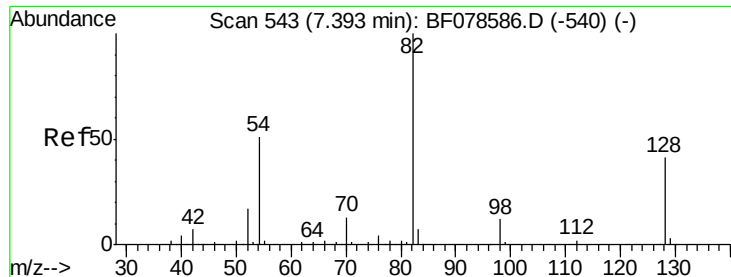
Abundance Ion 136.00 (135.70 to 136.70): E

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

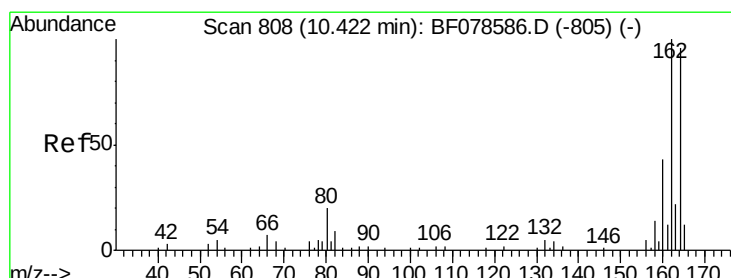
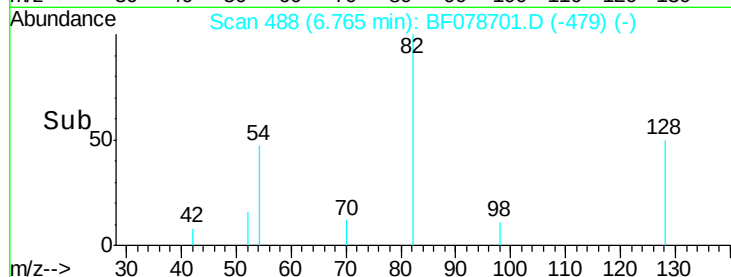
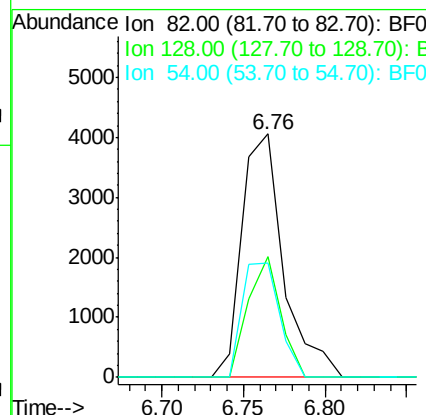
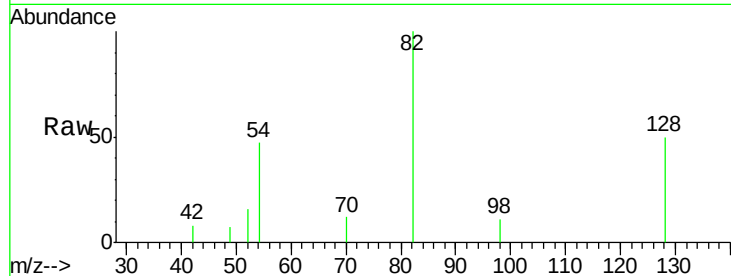




#23
 Nitrobenzene-d5
 Concen: 4.10 ng
 RT: 6.76 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

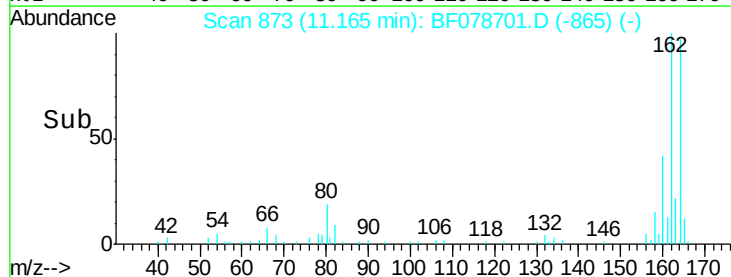
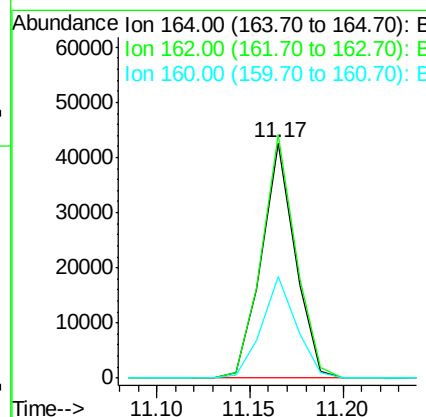
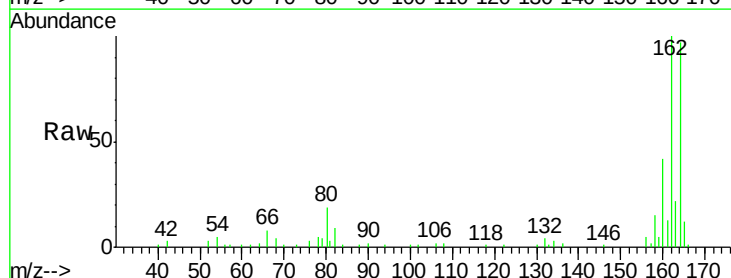
Instrument :
 BNA_F
 ClientSampleId :
 FILL-SOURCE1

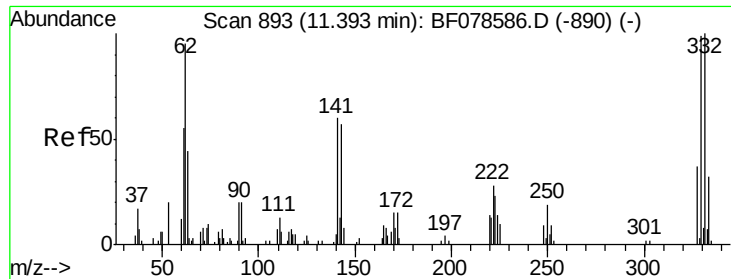
Tgt Ion: 82 Resp: 7167
 Ion Ratio Lower Upper
 82 100
 128 49.5 31.8 47.8#
 54 46.8 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

Tgt Ion: 164 Resp: 53224
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.2 123.2
 160 43.3 34.7 52.1

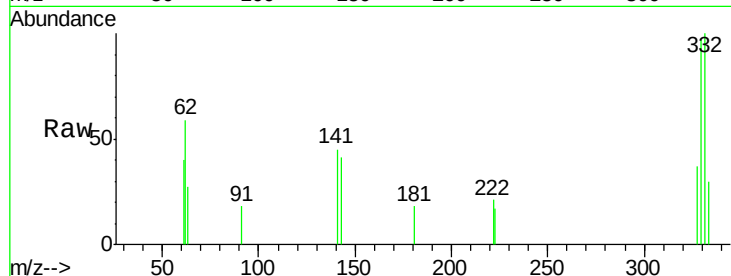




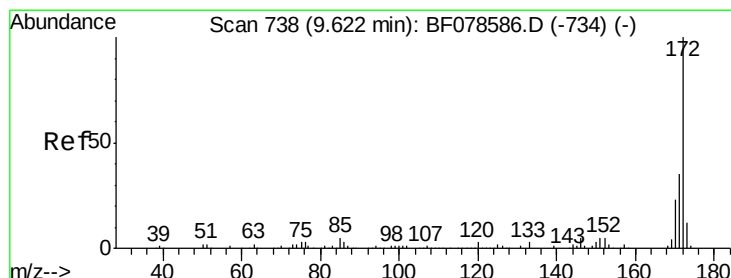
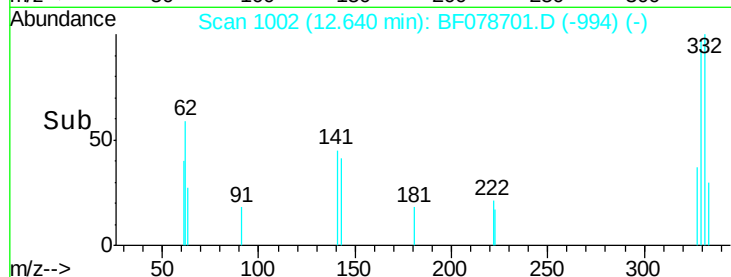
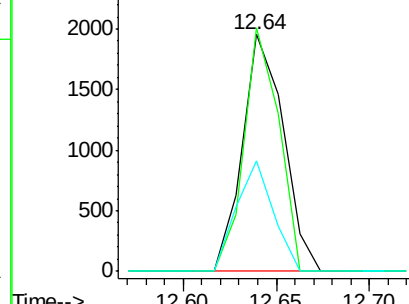
#41
 2,4,6-Tribromophenol
 Concen: 6.77 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

Instrument :
 BNA_F
 ClientSampleId :
 FILL-SOURCE1

Tgt Ion: 330 Resp: 2990
 Ion Ratio Lower Upper
 330 100
 332 86.8 78.6 117.8
 141 41.6 31.2 46.8

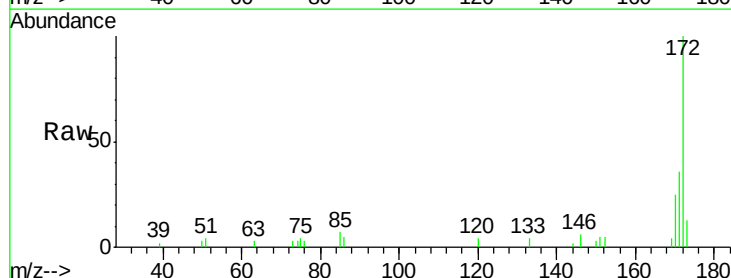


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

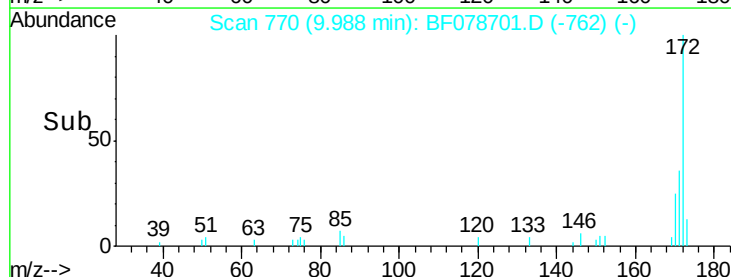
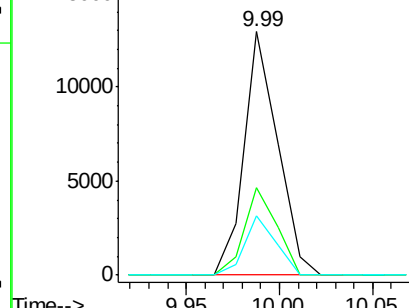


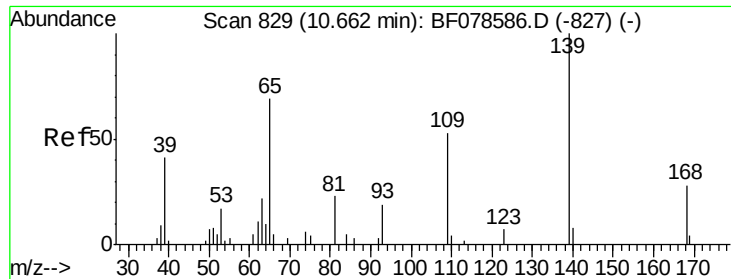
#44
 2-Fluorobiphenyl
 Concen: 4.35 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

Tgt Ion: 172 Resp: 16214
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 42.8
 170 24.5 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

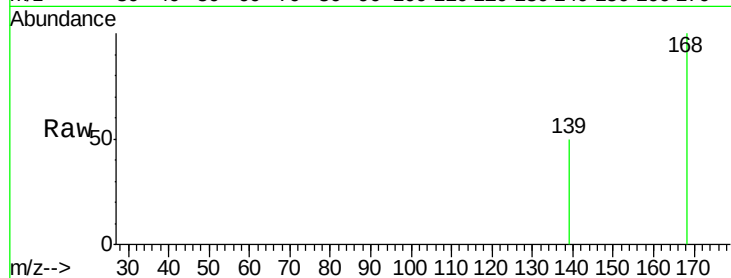




#55
 4-Nitrophenol
 Concen: 3.33 ng
 RT: 11.55 min Scan# 907
 Delta R.T. -0.06 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

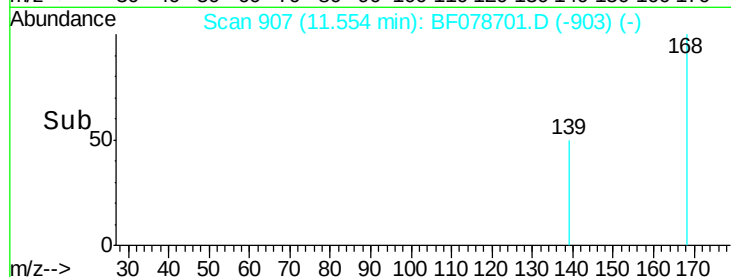
Instrument :
 BNA_F
 ClientSampleId :
 FILL-SOURCE1

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.7	76.7#
65	0.0	49.9	89.9#

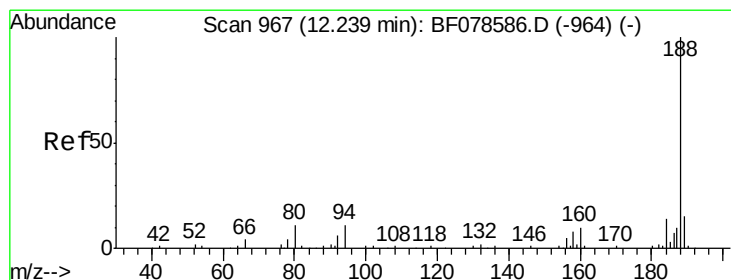


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

11.55

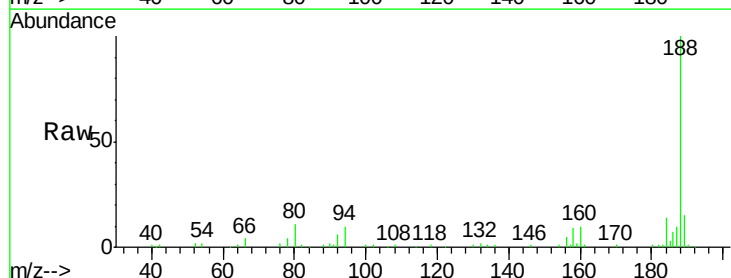


Time-->



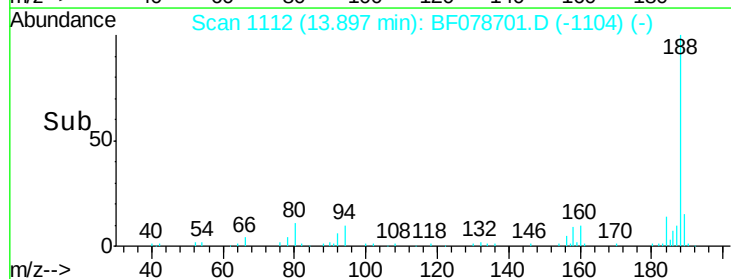
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078701.D
 Acq: 22 Apr 2015 00:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.0	13.4
80	10.7	9.5	14.3

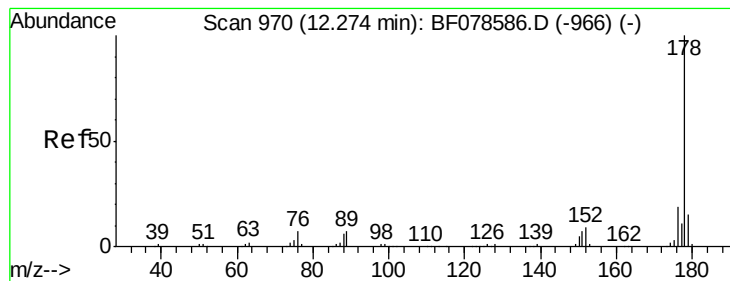


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

13.90



Time-->



#70

Phenanthrene

Concen: 8.63 ng

RT: 13.94 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

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ClientSampleId :

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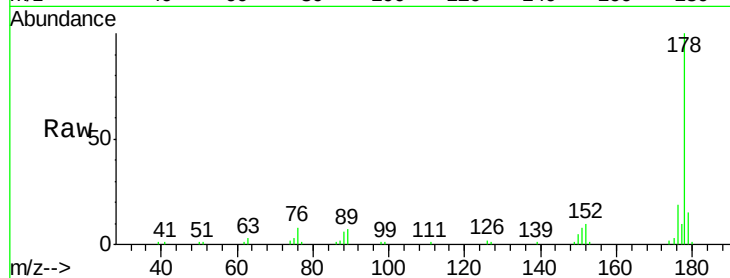
Tgt Ion:178 Resp: 52258

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

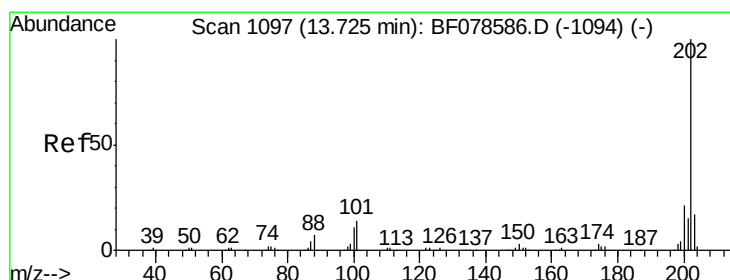
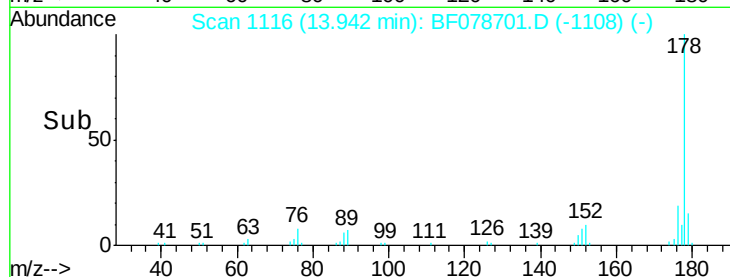
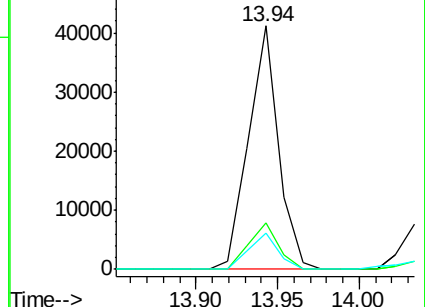
179 15.1 12.2 18.2



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: 15.47 ng

RT: 15.83 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

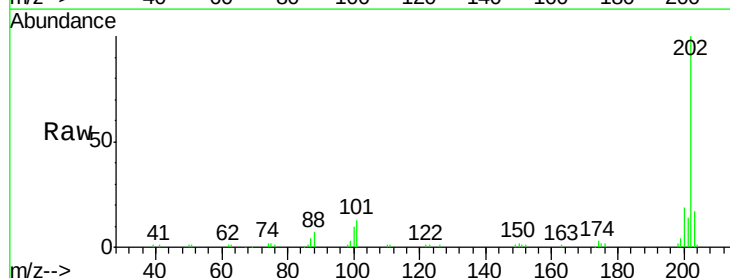
Tgt Ion:202 Resp: 98809

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.2

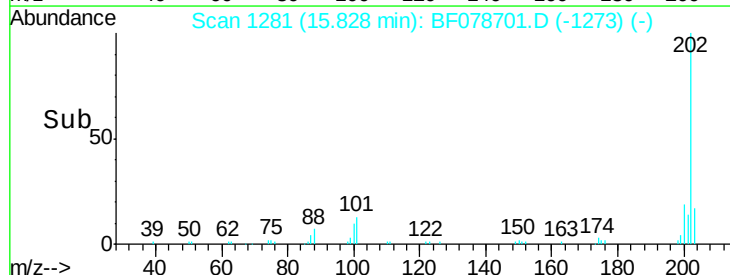
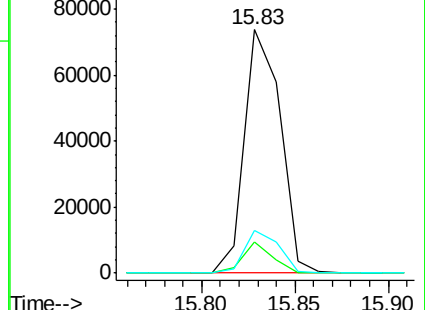
203 17.3 0.0 38.5

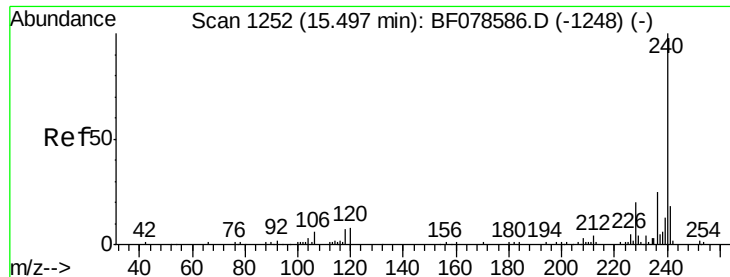


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1

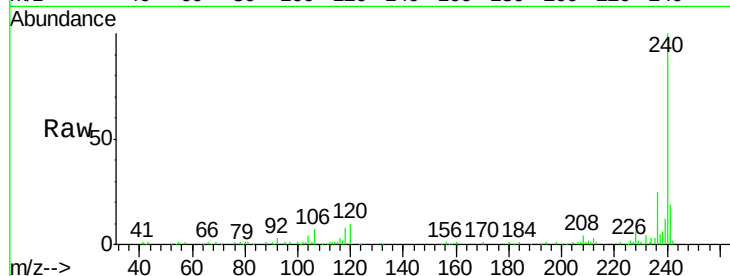
Tgt Ion:240 Resp: 115585

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

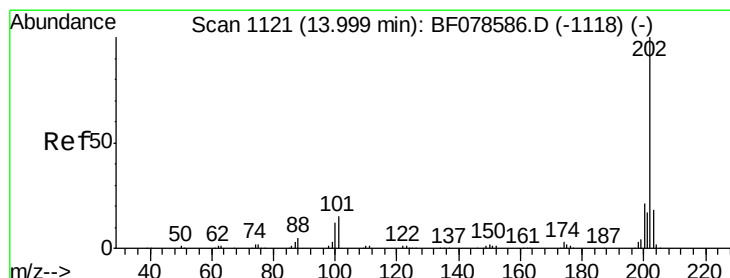
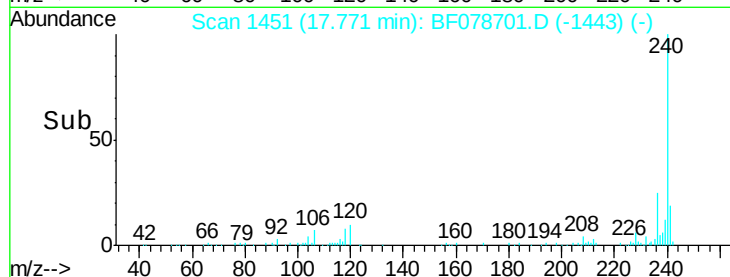
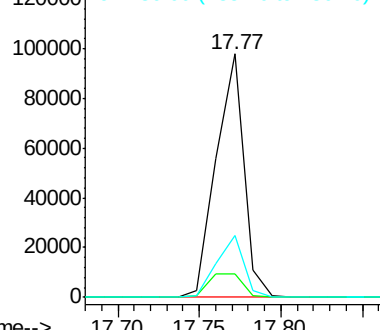
236 25.4 21.4 32.2



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: 11.37 ng

RT: 16.14 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

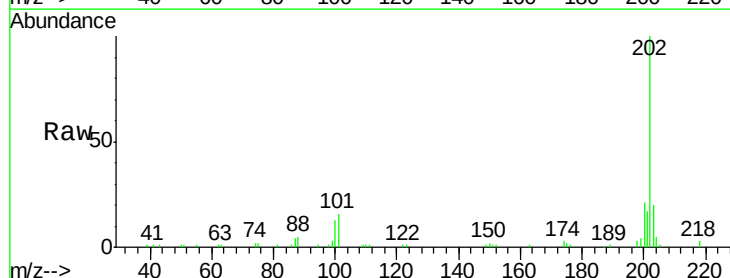
Tgt Ion:202 Resp: 82521

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

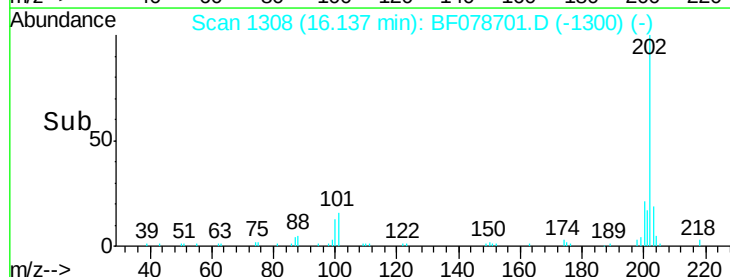
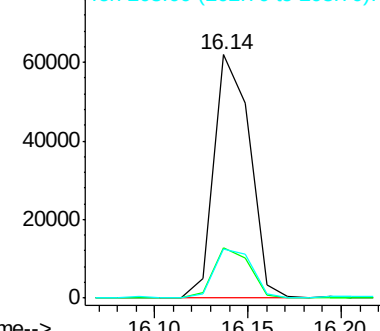
203 20.2 13.8 20.6

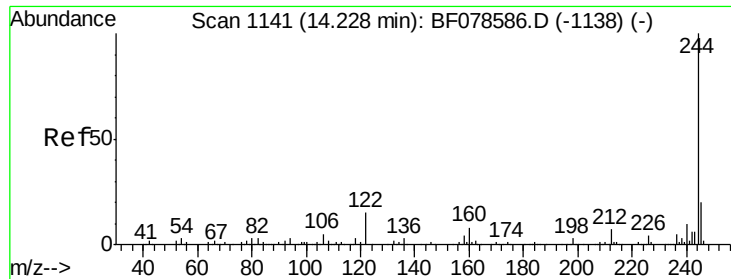


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 3.67 ng

RT: 16.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1

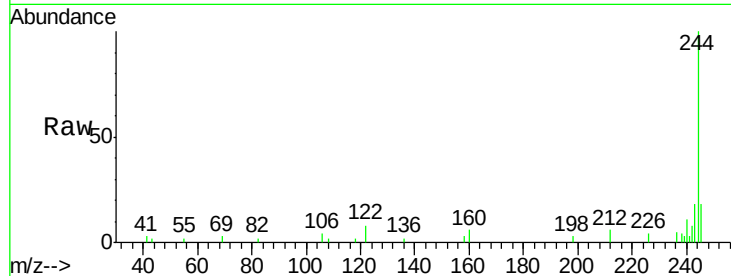
Tgt Ion:244 Resp: 18781

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

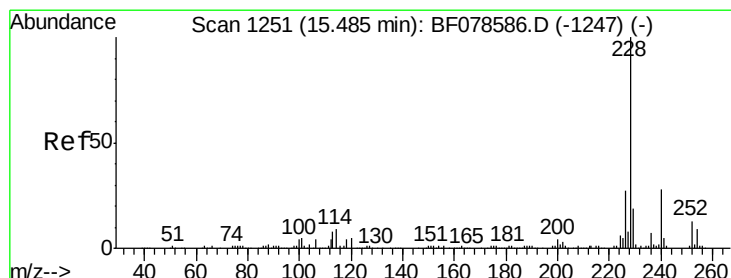
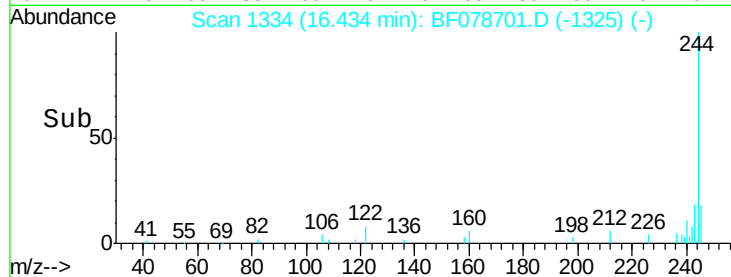
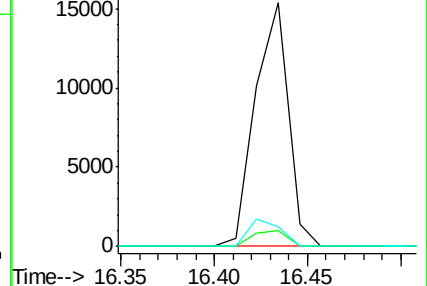
122 7.9 7.1 10.7



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: 5.33 ng

RT: 17.76 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

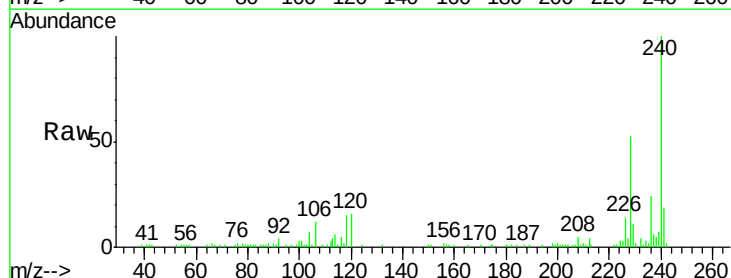
Tgt Ion:228 Resp: 36685

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

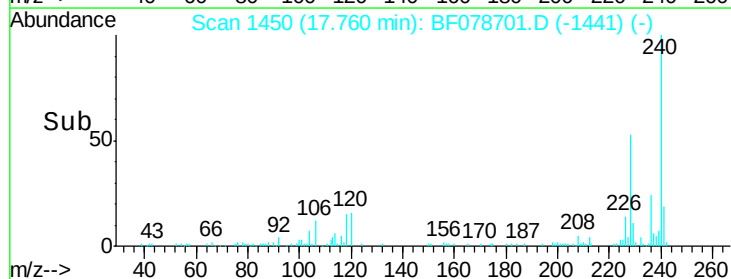
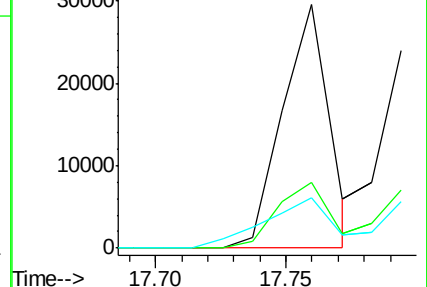
229 20.5 15.4 23.2

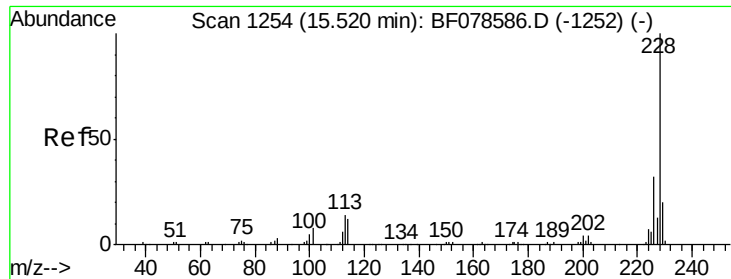


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.14 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1

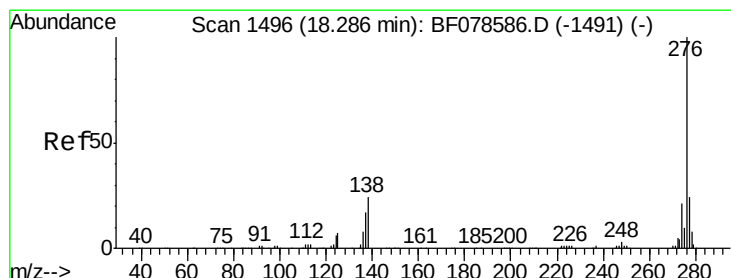
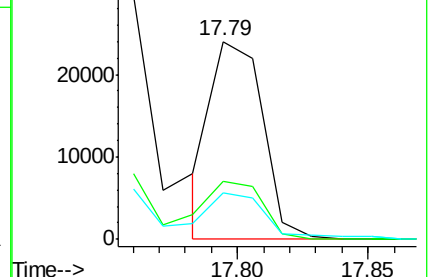
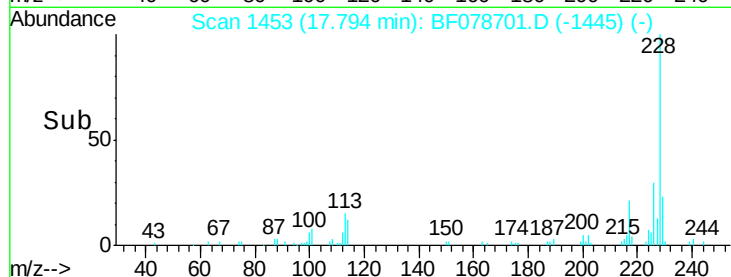
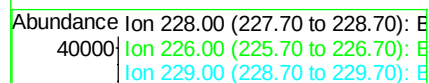
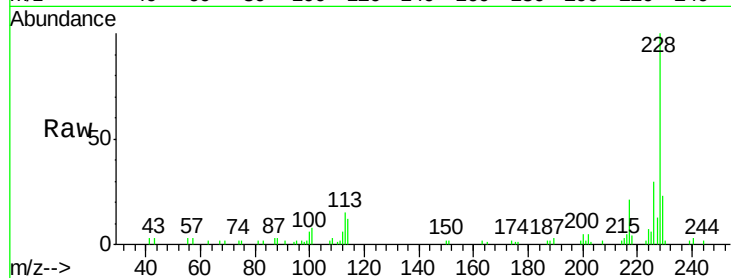
Tgt Ion:228 Resp: 33211

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

229 23.3 15.8 23.8



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.30 ng

RT: 20.62 min Scan# 1700

Delta R.T. -0.05 min

Lab File: BF078701.D

Acq: 22 Apr 2015 00:13

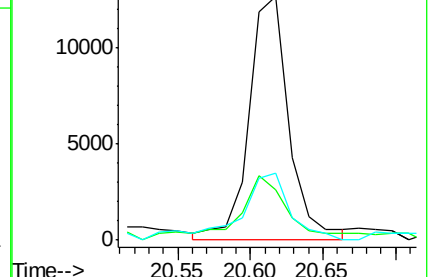
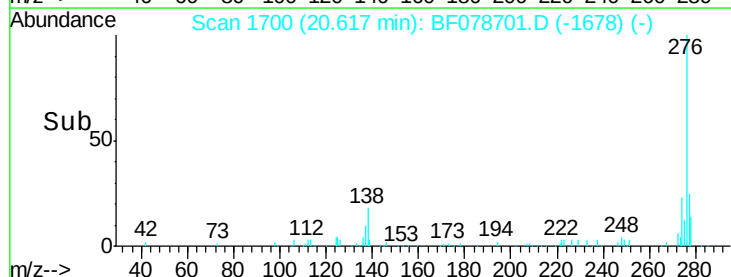
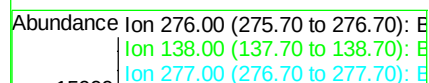
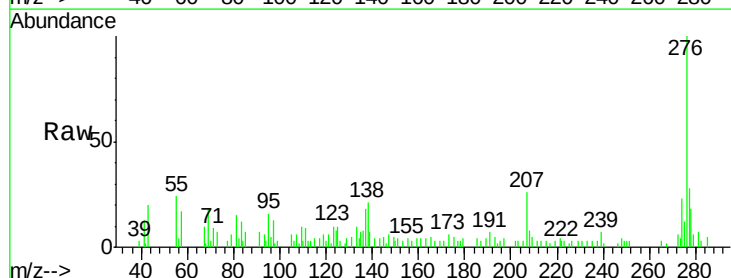
Tgt Ion:276 Resp: 24213

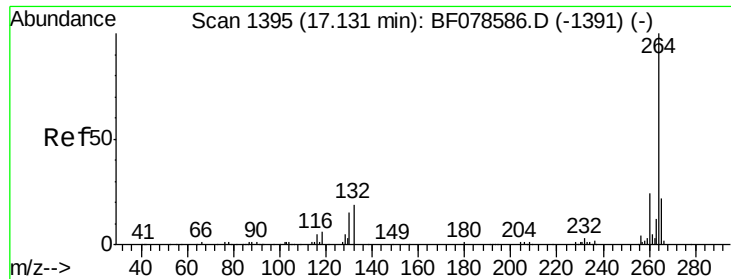
Ion Ratio Lower Upper

276 100

138 37.7 16.9 25.3#

277 35.5 15.8 23.6#



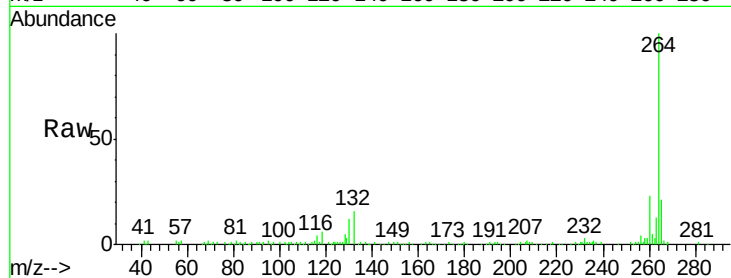


#86
Perylene-d12
Concen: 20.00 ng
RT: 19.46 min Scan# 1599
Delta R.T. -0.02 min
Lab File: BF078701.D
Acq: 22 Apr 2015 00:13

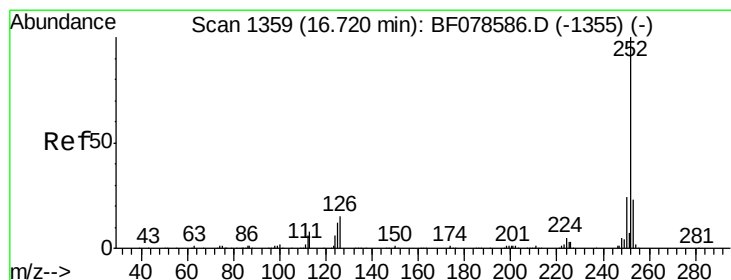
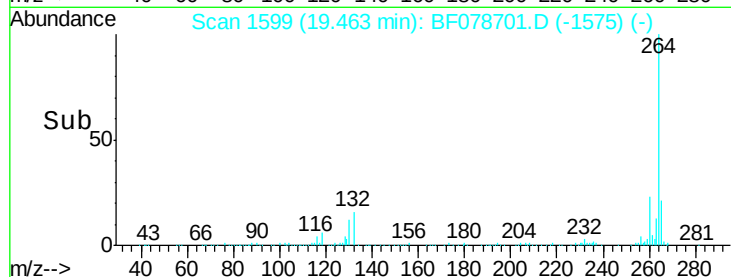
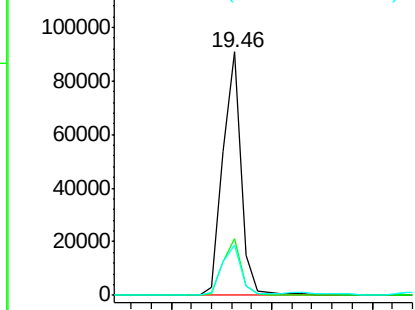
Instrument :
BNA_F
ClientSampleId :
FILL-SOURCE1

Tgt Ion: 264 Resp: 114964

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	20.8	17.0	25.6



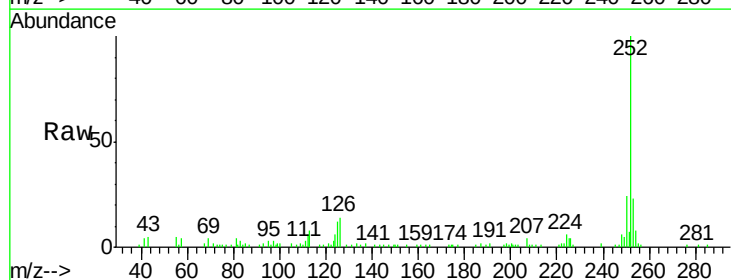
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



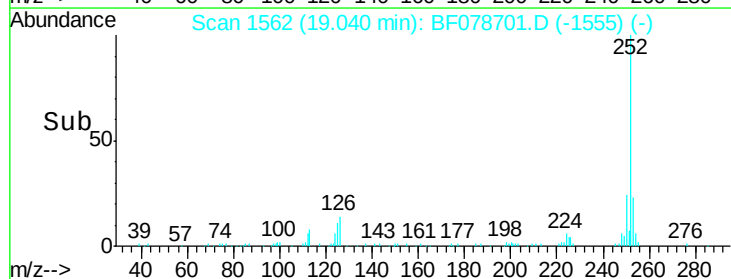
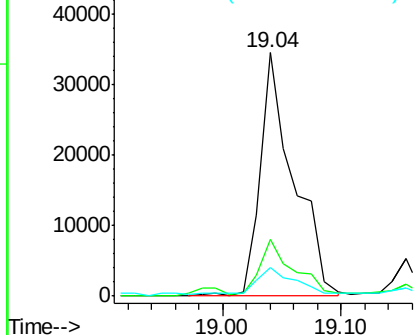
#87
Benzo(b)fluoranthene
Concen: 9.53 ng
RT: 19.04 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF078701.D
Acq: 22 Apr 2015 00:13

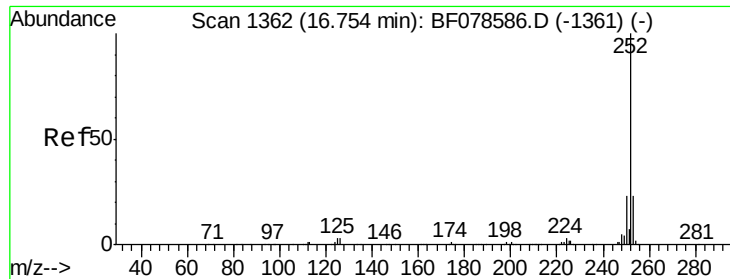
Tgt Ion: 252 Resp: 67707

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	11.8	7.0	10.4



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

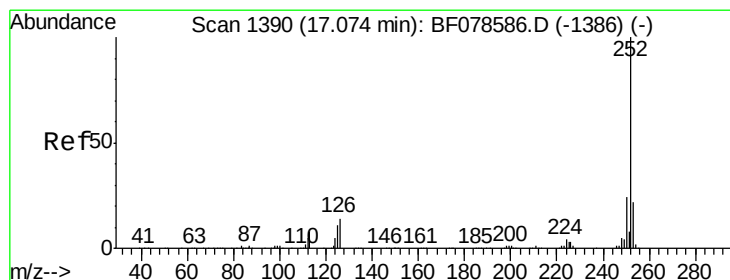
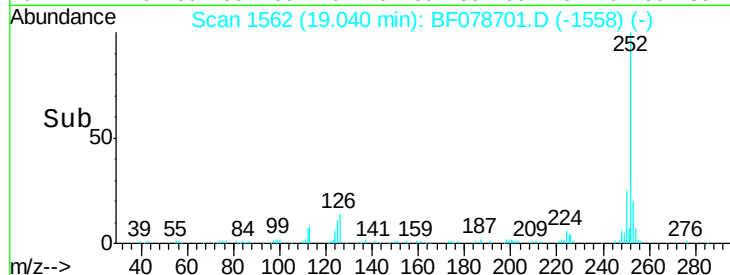
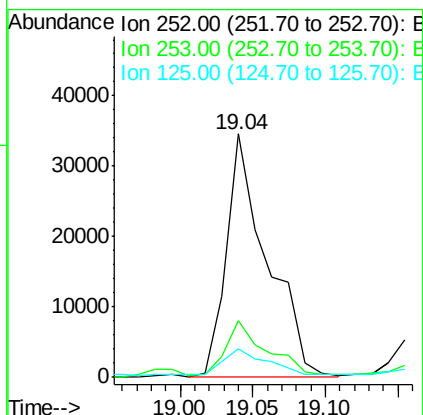
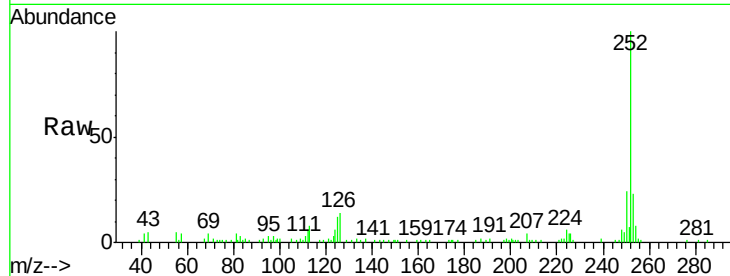




#88
Benzo(k)fluoranthene
Concen: 10.68 ng
RT: 19.04 min Scan# 1562
Delta R.T. -0.06 min
Lab File: BF078701.D
Acq: 22 Apr 2015 00:13

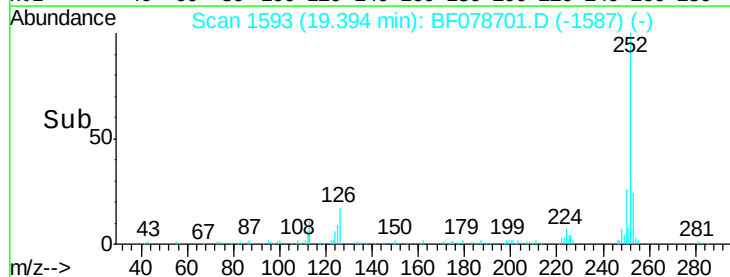
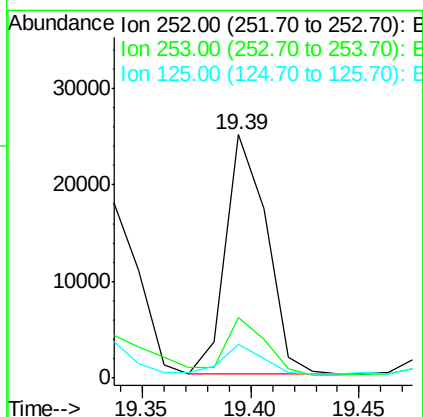
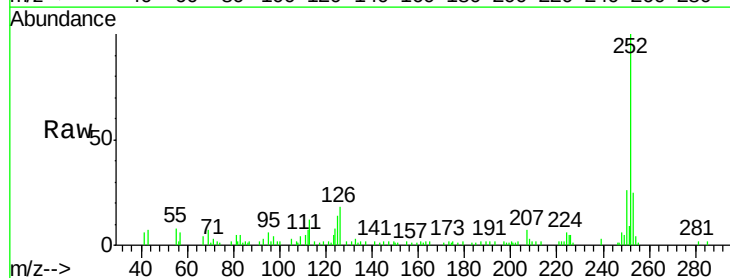
Instrument :
BNA_F
ClientSampleId :
FILL-SOURCE1

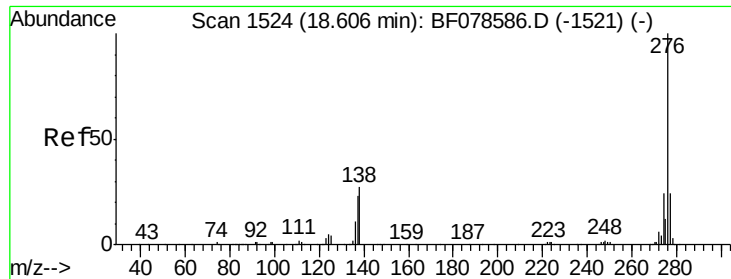
Tgt Ion: 252 Resp: 67456
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.8 11.6 17.4



#89
Benzo(a)pyrene
Concen: 5.20 ng
RT: 19.39 min Scan# 1593
Delta R.T. -0.03 min
Lab File: BF078701.D
Acq: 22 Apr 2015 00:13

Tgt Ion: 252 Resp: 32268
Ion Ratio Lower Upper
252 100
253 24.9 16.8 25.2
125 13.7 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 3.77 ng

RT: 20.93 min Scan# 1727

Delta R.T. -0.06 min

Lab File: BF078701.D

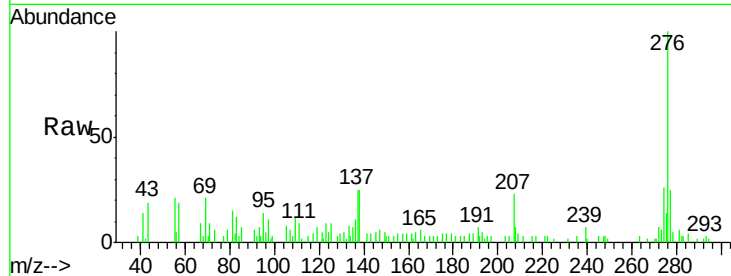
Acq: 22 Apr 2015 00:13

Instrument :

BNA_F

ClientSampleId :

FILL-SOURCE1



Tgt Ion:	276	Resp:	23457
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	24.7	19.9	29.9

