

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078579.D
 Acq On : 16 Apr 2015 21:43
 Operator : TP/IZ
 Sample : G1854-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10A(7.5-8)

Quant Time: Apr 17 02:33:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

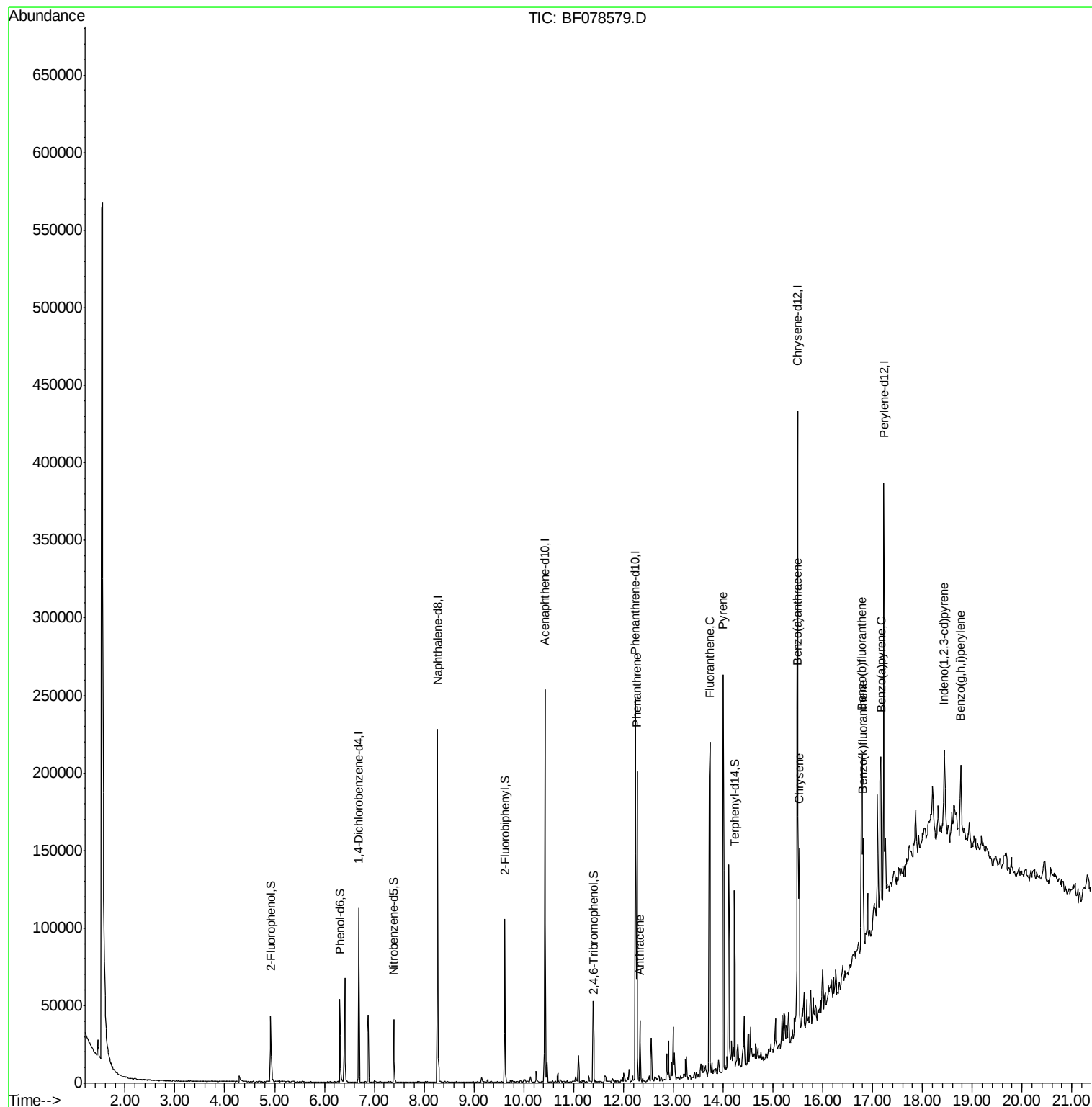
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	23577	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	108576	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	56667	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	117635	20.00	ng	0.00
75) Chrysene-d12	15.50	240	138159	20.00	ng	0.01
86) Perylene-d12	17.22	264	139175	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	19034	13.31	ng	0.02
7) Phenol-d6	6.31	99	27111	15.13	ng	0.01
23) Nitrobenzene-d5	7.39	82	14861	8.30	ng	0.00
41) 2,4,6-Tribromophenol	11.40	330	6958	14.81	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	37877	9.55	ng	0.00
78) Terphenyl-d14	14.23	244	47573	7.78	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.27	178	83843	12.32	ng	99
71) Anthracene	12.33	178	22363	3.34	ng	98
74) Fluoranthene	13.74	202	132325	18.44	ng	90
77) Pyrene	14.00	202	112493	12.97	ng	# 94
80) Benzo(a)anthracene	15.49	228	67069	8.16	ng	98
82) Chrysene	15.53	228	51448	6.66	ng	96
85) Indeno(1,2,3-cd)pyrene	18.43	276	34428m	3.93	ng	
87) Benzo(b)fluoranthene	16.79	252	74406m	8.65	ng	
88) Benzo(k)fluoranthene	16.81	252	27572m	3.61	ng	
89) Benzo(a)pyrene	17.17	252	54947	7.32	ng	# 94
91) Benzo(g,h,i)perylene	18.77	276	35783m	4.75	ng	

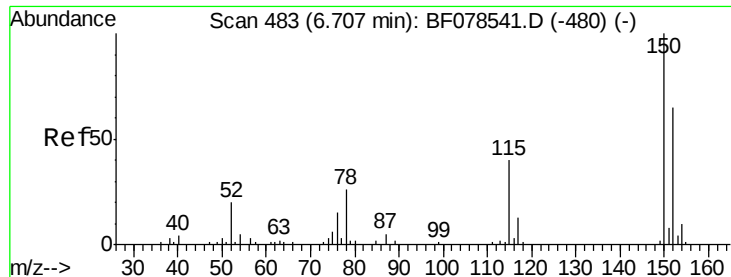
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

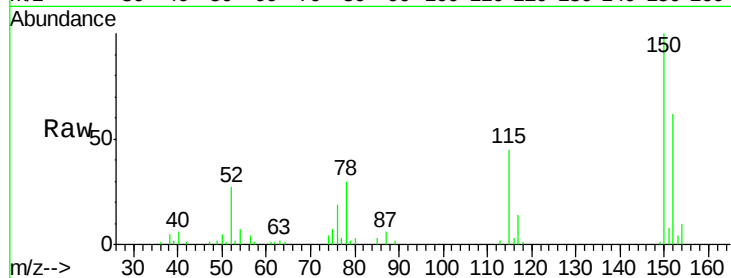
Tgt Ion:152 Resp: 23577

Ion Ratio Lower Upper

152 100

150 161.7 125.9 188.9

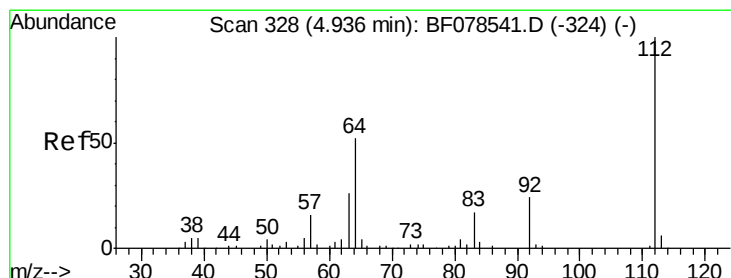
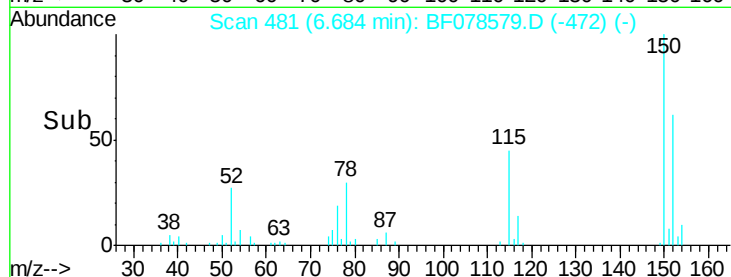
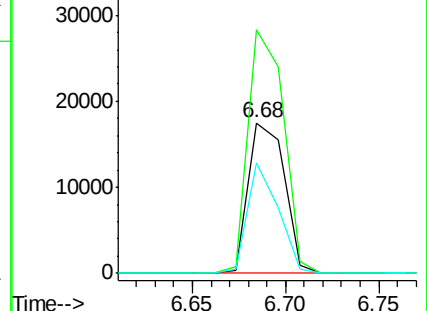
115 73.0 52.7 79.1



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: 13.31 ng

RT: 4.92 min Scan# 327

Delta R.T. 0.02 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

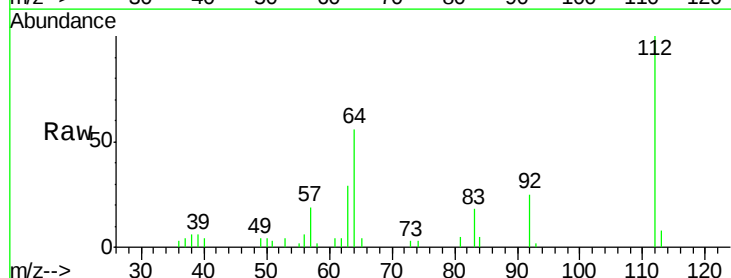
Tgt Ion:112 Resp: 19034

Ion Ratio Lower Upper

112 100

64 55.6 39.9 59.9

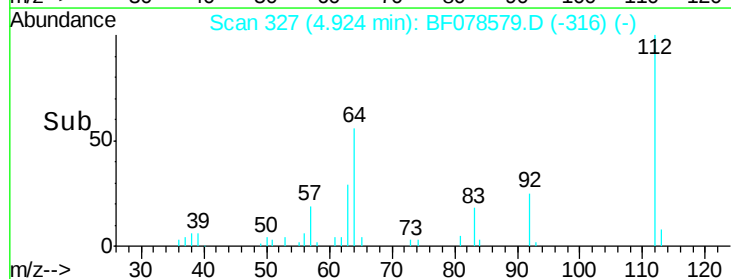
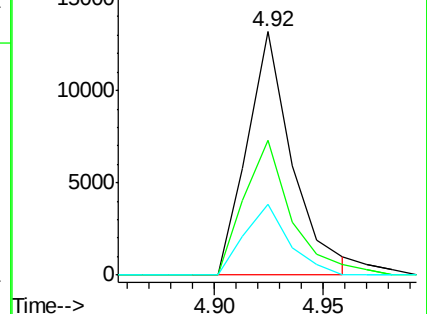
63 29.3 20.2 30.4

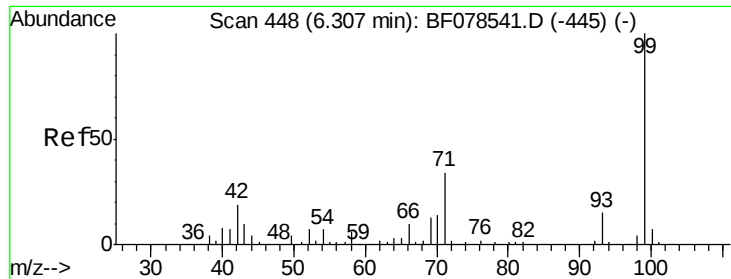


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.13 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

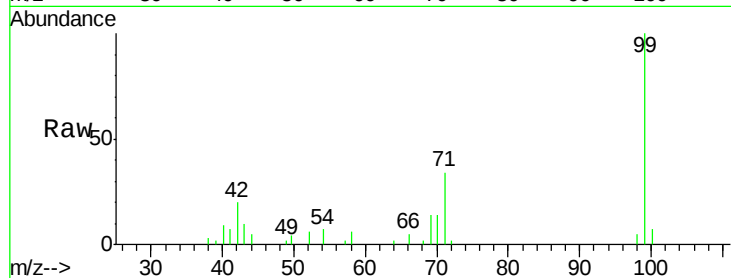
Tgt Ion: 99 Resp: 27111

Ion Ratio Lower Upper

99 100

42 20.2 14.8 22.2

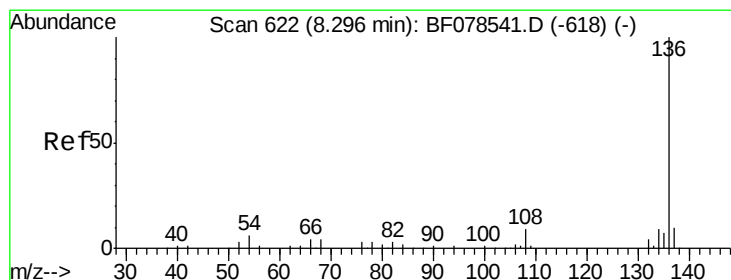
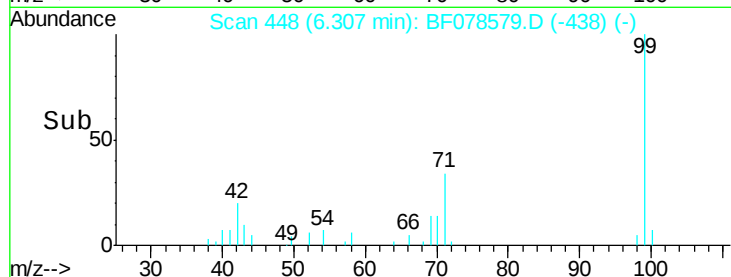
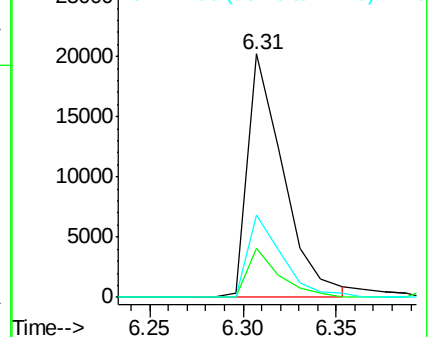
71 33.8 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Tgt Ion: 136 Resp: 108576

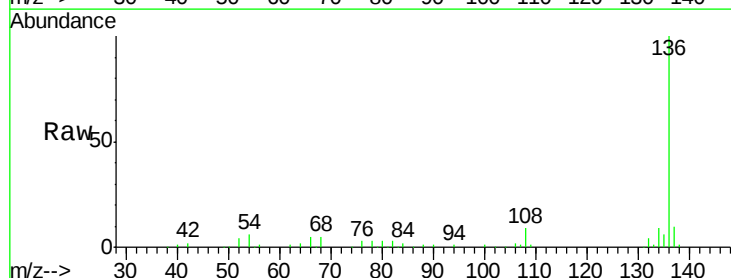
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 6.0 7.0 10.6#

68 4.9 5.4 8.2#

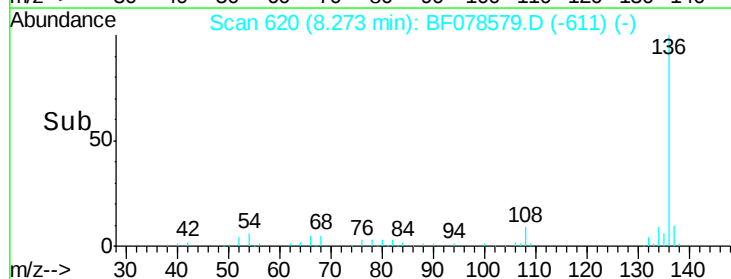
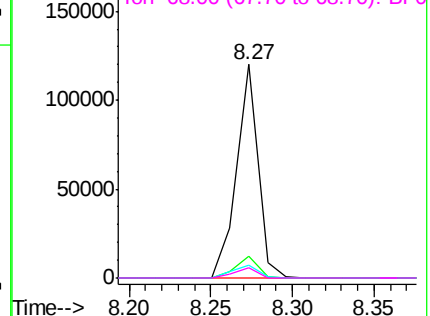


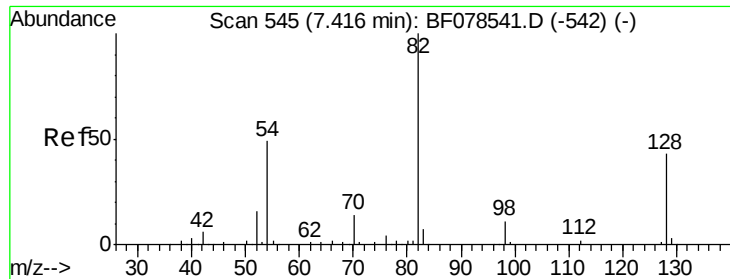
Abundance Ion 136.00 (135.70 to 136.70): E

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

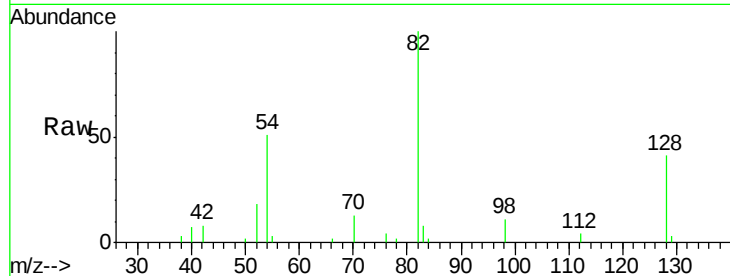




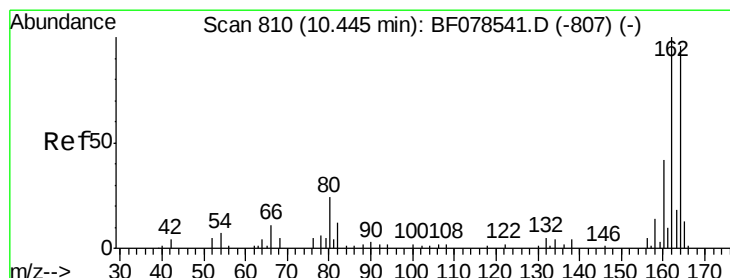
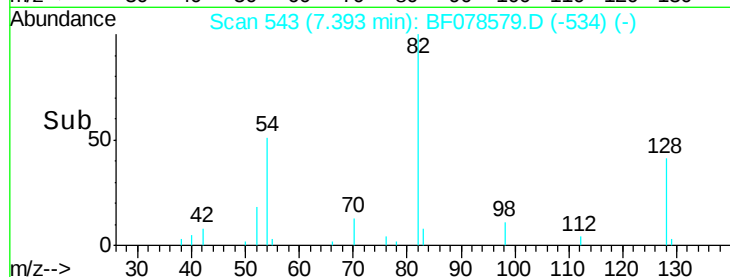
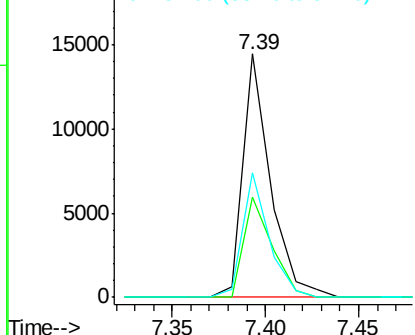
#23
Nitrobenzene-d5
Concen: 8.30 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF078579.D
Acq: 16 Apr 2015 21:43

Instrument :
BNA_F
ClientSampleId :
LS-SB10A(7.5-8)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.8
54	51.2	41.5	62.3

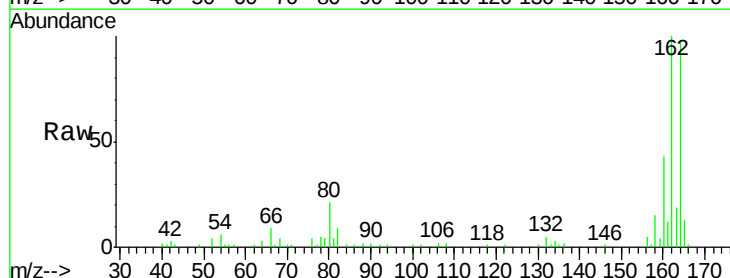


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

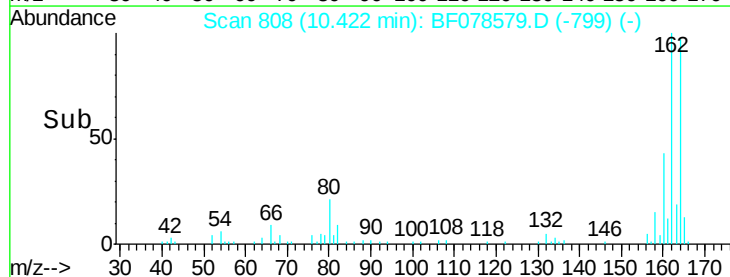
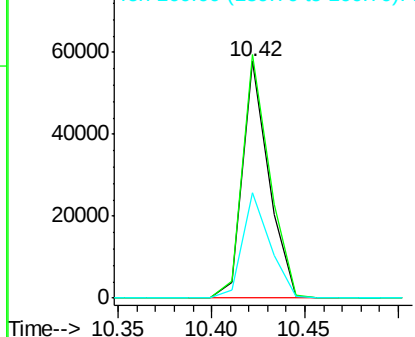


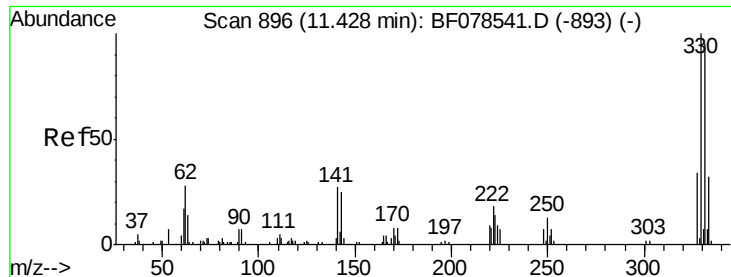
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF078579.D
Acq: 16 Apr 2015 21:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	44.3	34.7	52.1



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

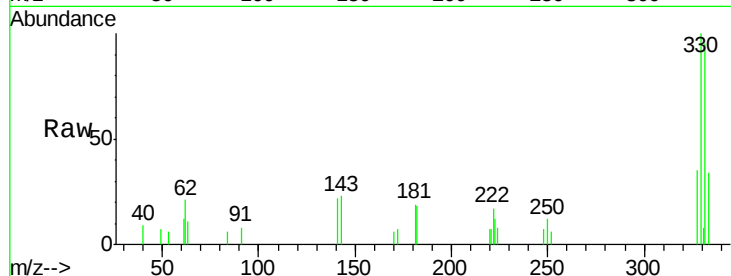




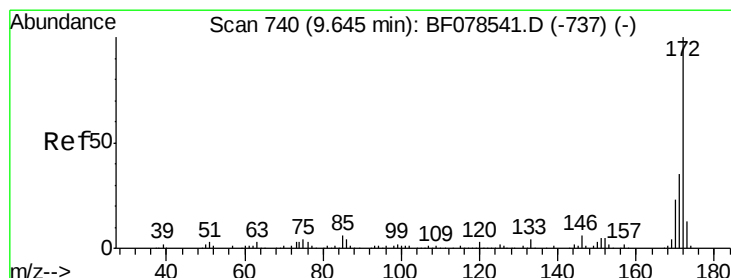
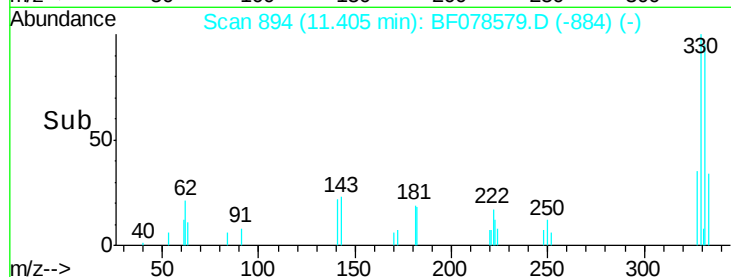
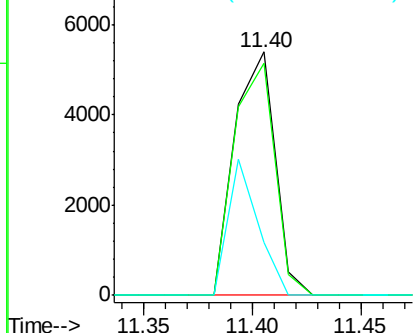
#41
 2,4,6-Tribromophenol
 Concen: 14.81 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10A(7.5-8)

Tgt Ion:330 Resp: 6958
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.6 117.8
 141 41.4 31.2 46.8

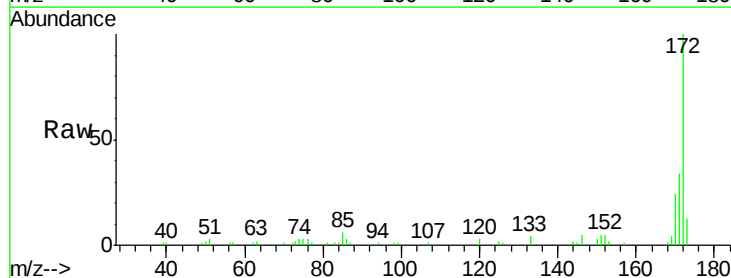


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

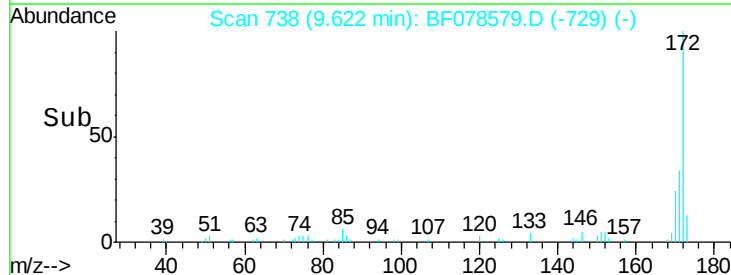
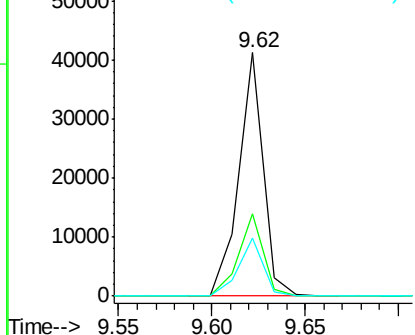


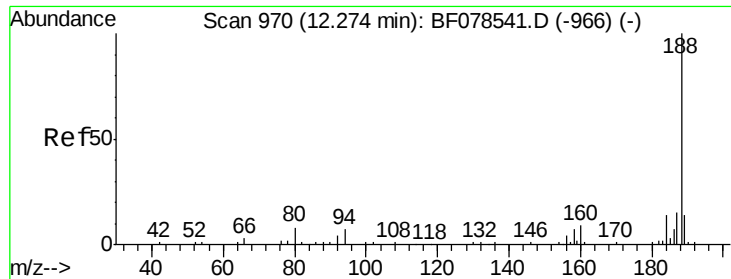
#44
 2-Fluorobiphenyl
 Concen: 9.55 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

Tgt Ion:172 Resp: 37877
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 42.8
 170 23.7 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

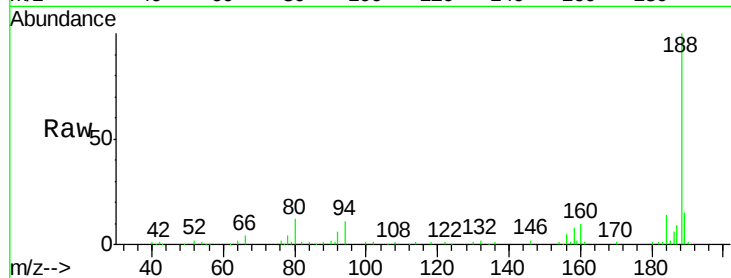




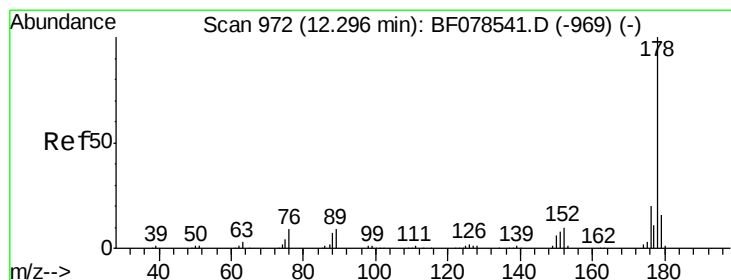
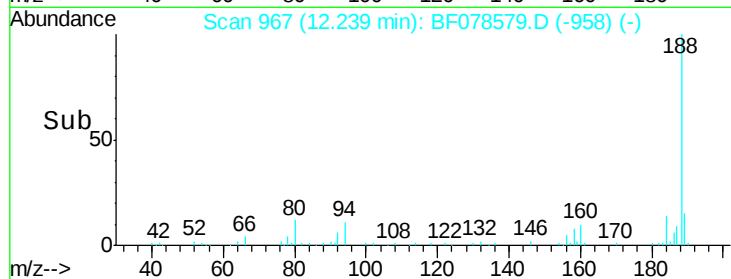
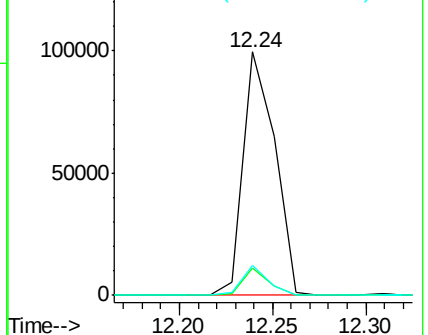
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF078579.D
Acq: 16 Apr 2015 21:43

Instrument :
BNA_F
ClientSampleId :
LS-SB10A(7.5-8)

Tgt Ion:188 Resp: 117635
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.4
80 12.5 9.5 14.3

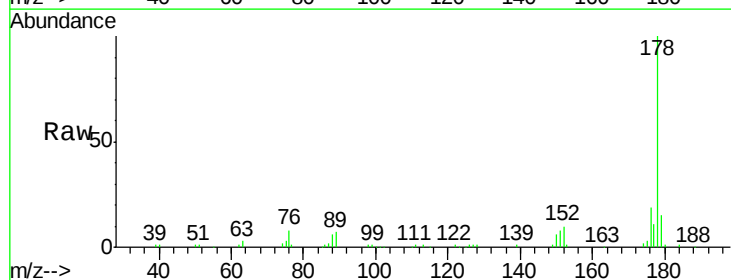


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

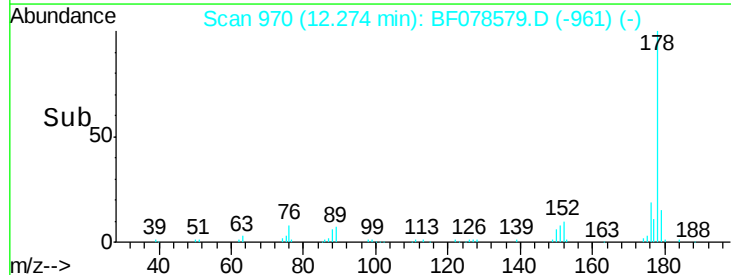
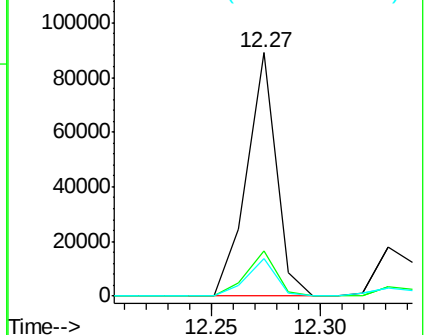


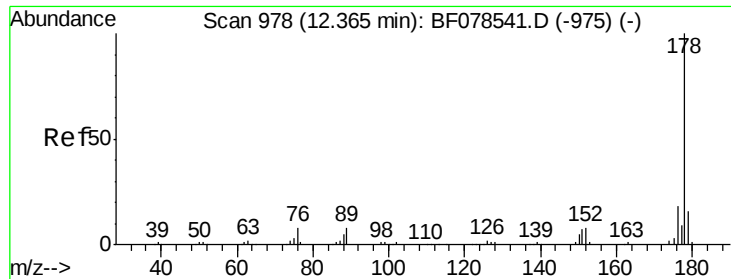
#70
Phenanthrene
Concen: 12.32 ng
RT: 12.27 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF078579.D
Acq: 16 Apr 2015 21:43

Tgt Ion:178 Resp: 83843
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.2 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

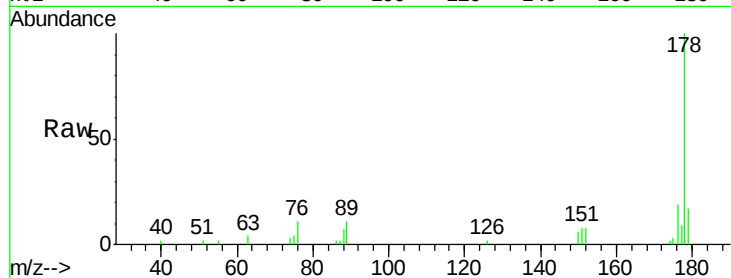




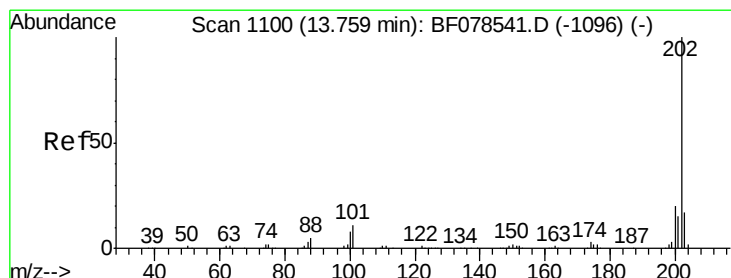
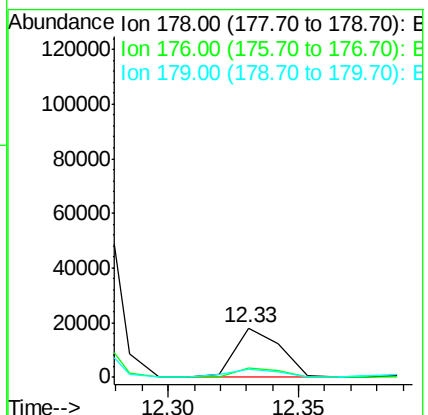
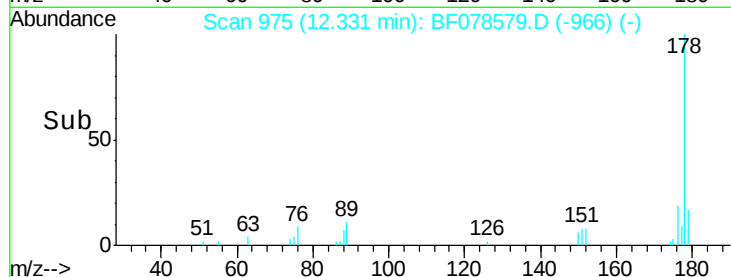
#71
 Anthracene
 Concen: 3.34 ng
 RT: 12.33 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10A(7.5-8)

Tgt Ion:178 Resp: 22363
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 16.6 12.4 18.6

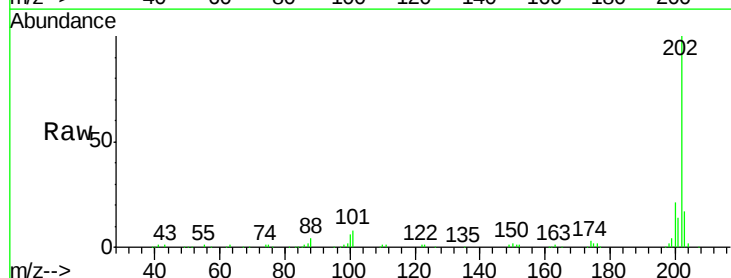


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

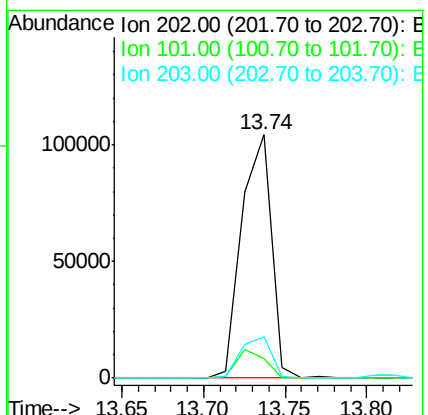
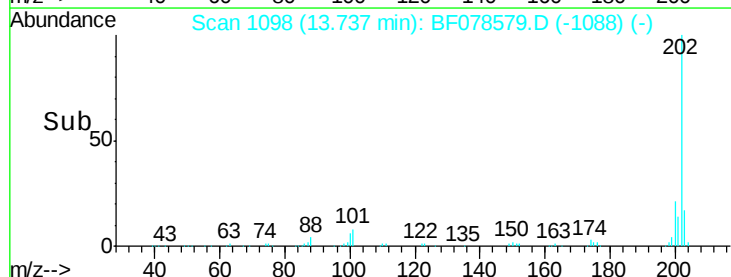


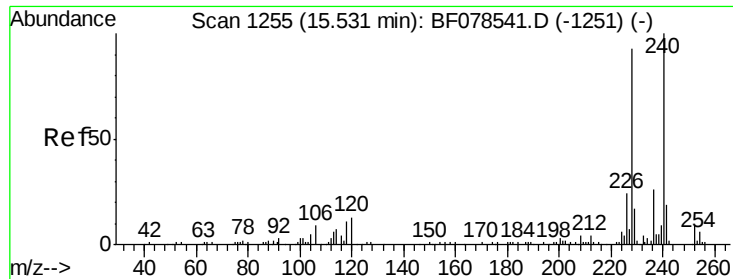
#74
 Fluoranthene
 Concen: 18.44 ng
 RT: 13.74 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

Tgt Ion:202 Resp: 132325
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 35.2
 203 16.8 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: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

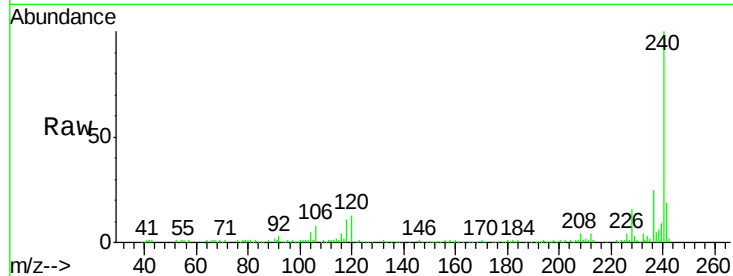
Tgt Ion:240 Resp: 138159

Ion Ratio Lower Upper

240 100

120 12.5 7.1 10.7#

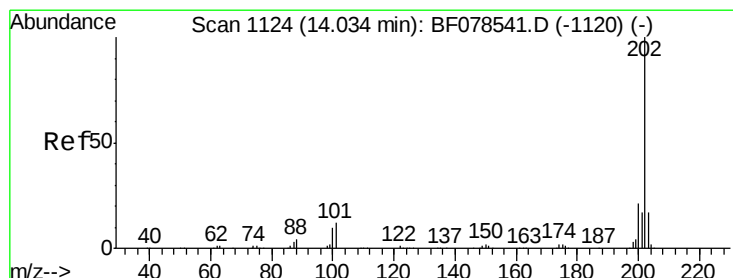
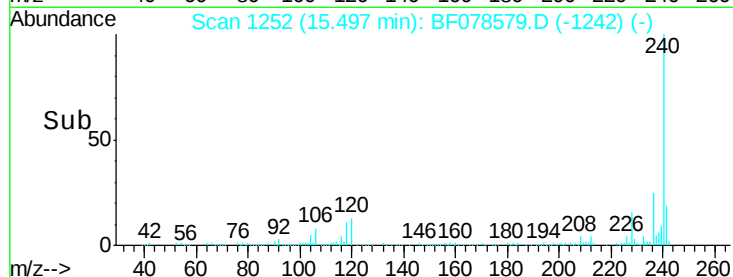
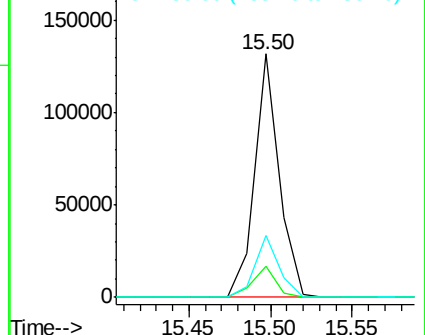
236 25.5 21.4 32.2



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: 12.97 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

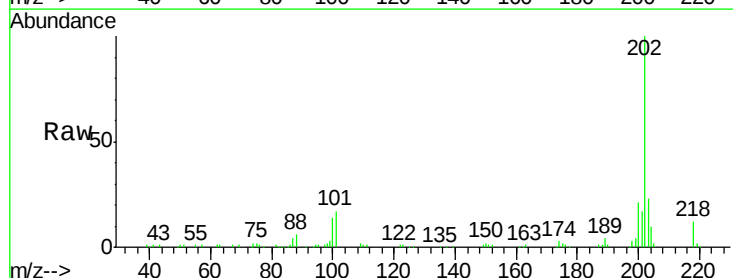
Tgt Ion:202 Resp: 112493

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

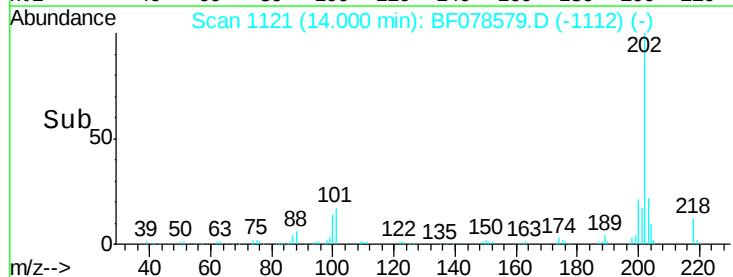
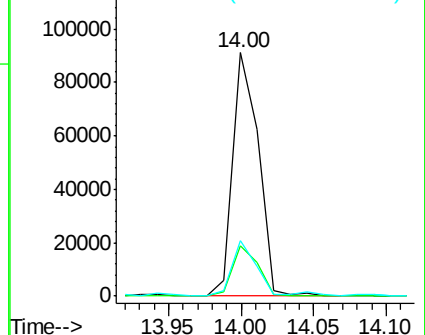
203 22.5 13.8 20.6#

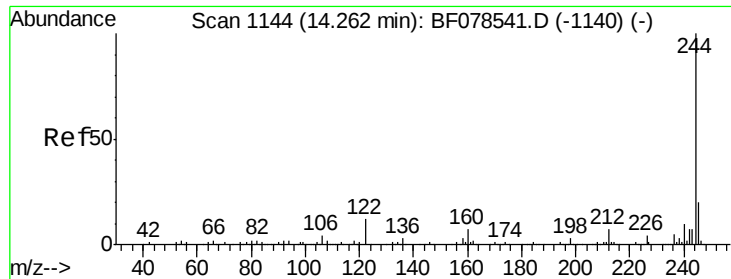


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

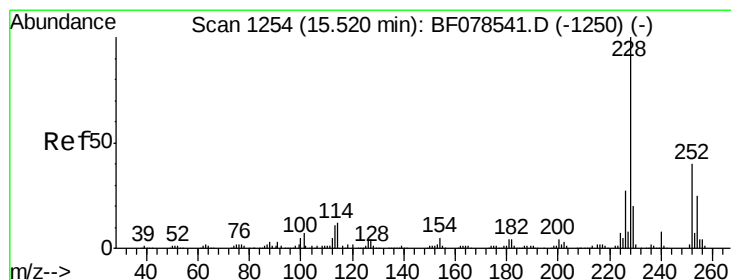
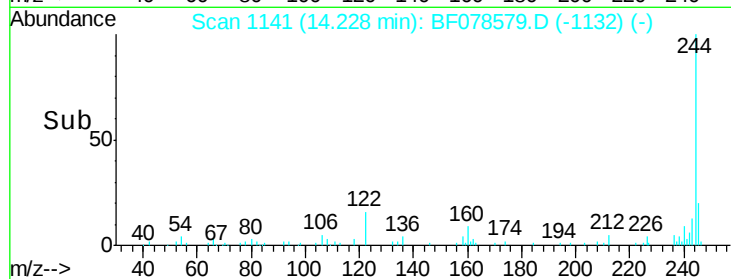
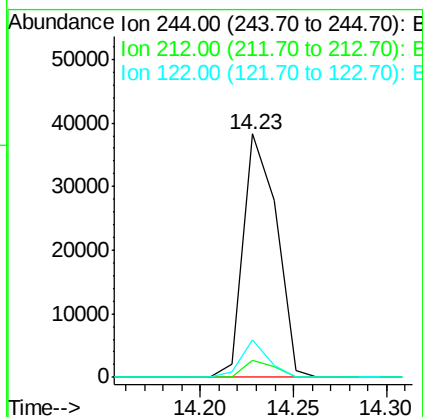
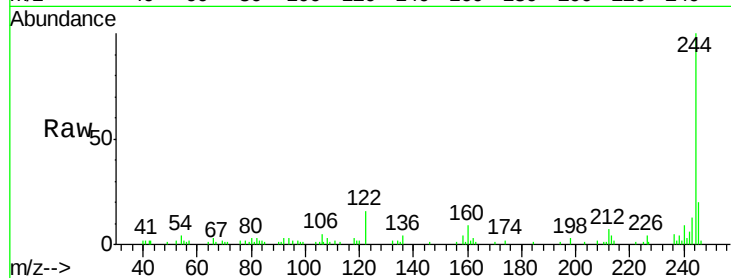




#78
 Terphenyl-d14
 Concen: 7.78 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

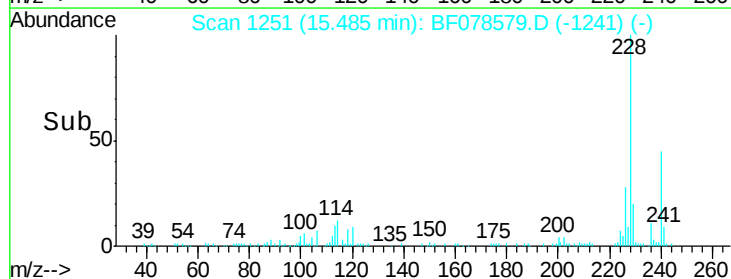
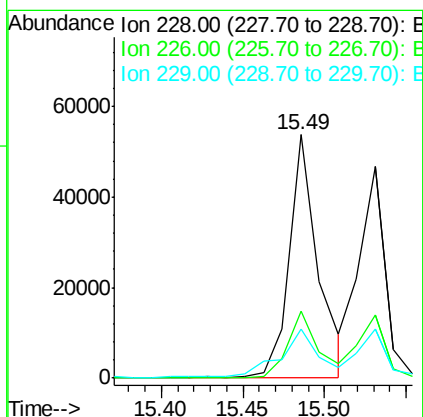
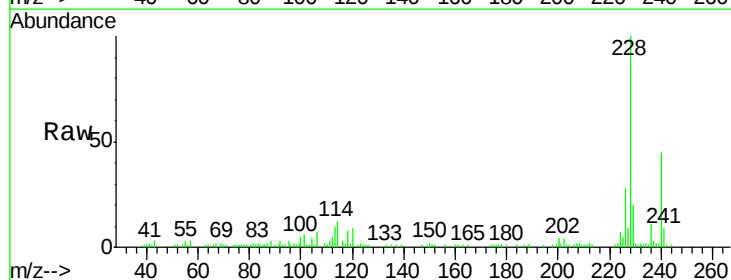
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10A(7.5-8)

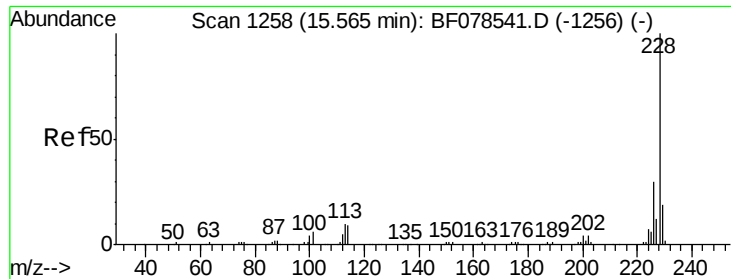
Tgt Ion:244 Resp: 47573
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 15.7 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 8.16 ng
 RT: 15.49 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BF078579.D
 Acq: 16 Apr 2015 21:43

Tgt Ion:228 Resp: 67069
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.3 31.9
 229 20.3 15.4 23.2





#82

Chrysene

Concen: 6.66 ng

RT: 15.53 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

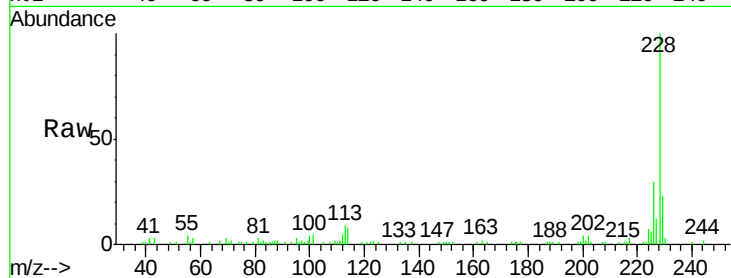
Tgt Ion:228 Resp: 51448

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

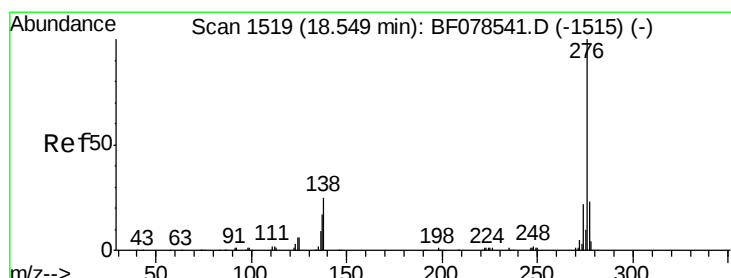
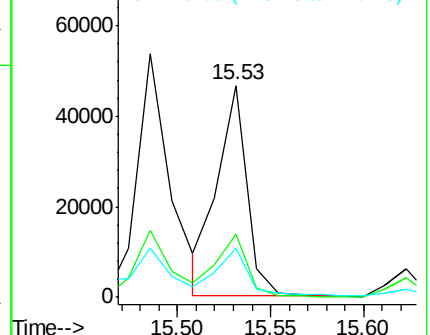
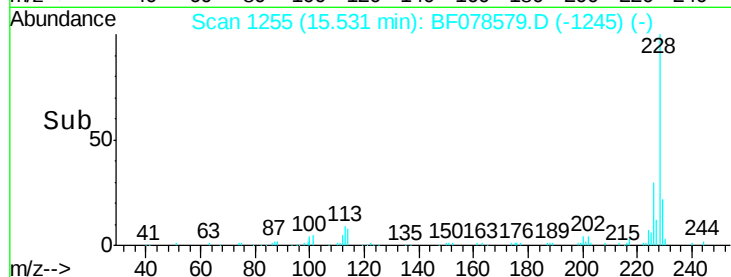
229 23.3 15.8 23.8



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: 3.93 ng m

RT: 18.43 min Scan# 1509

Delta R.T. 0.06 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

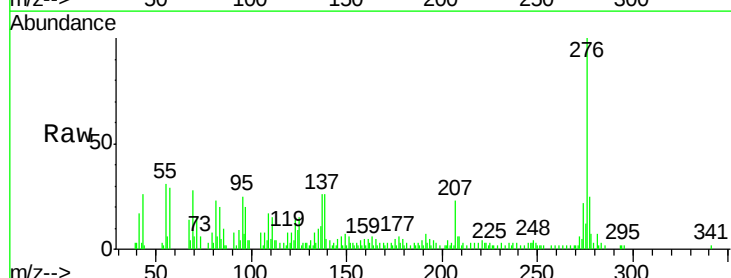
Tgt Ion:276 Resp: 34428

Ion Ratio Lower Upper

276 100

138 5.8 16.9 25.3#

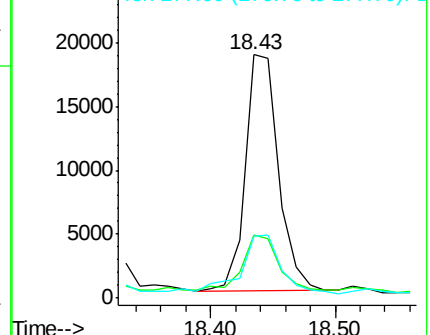
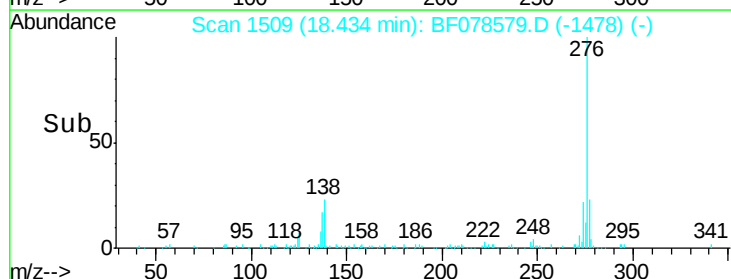
277 6.0 15.8 23.6#

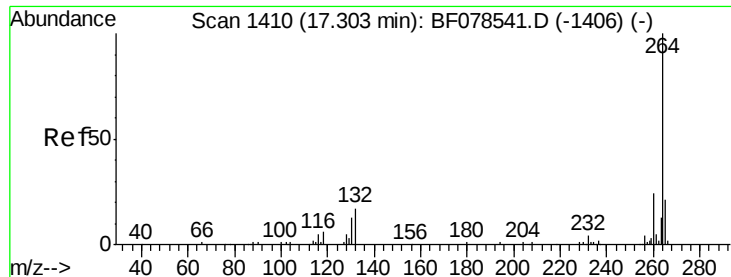


Abundance Ion 276.00 (275.70 to 276.70): E

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: 17.22 min Scan# 1403

Delta R.T. 0.03 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

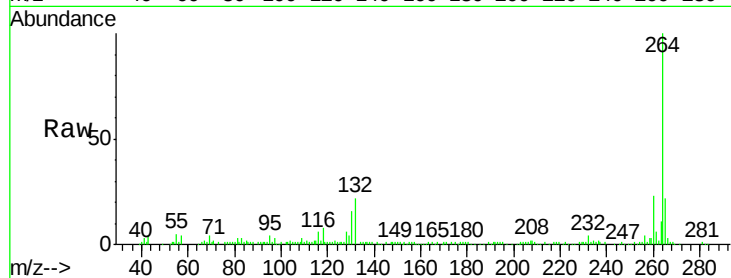
Tgt Ion:264 Resp: 139175

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

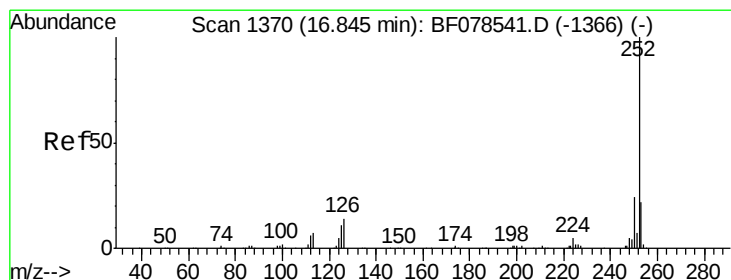
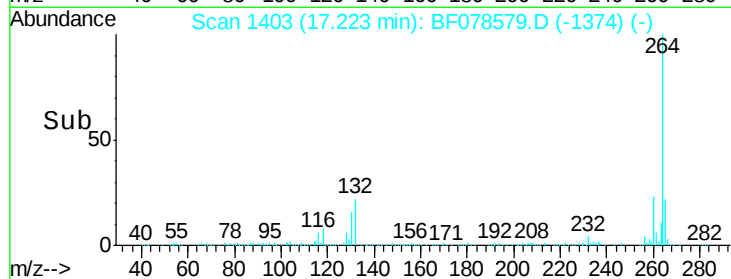
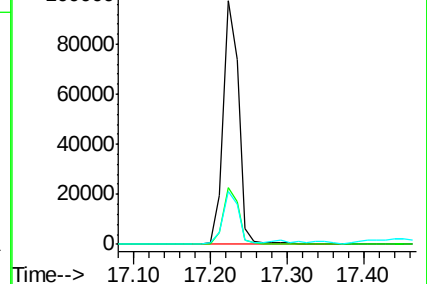
265 21.5 17.0 25.6



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: 8.65 ng m

RT: 16.79 min Scan# 1365

Delta R.T. 0.03 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

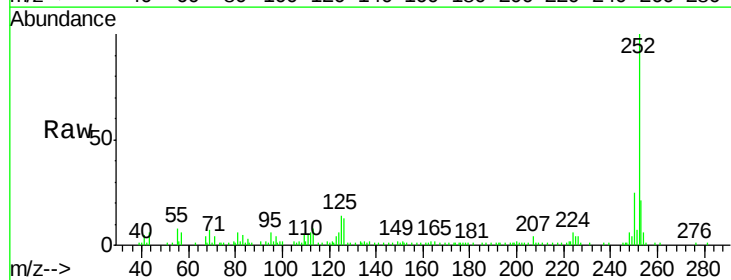
Tgt Ion:252 Resp: 74406

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

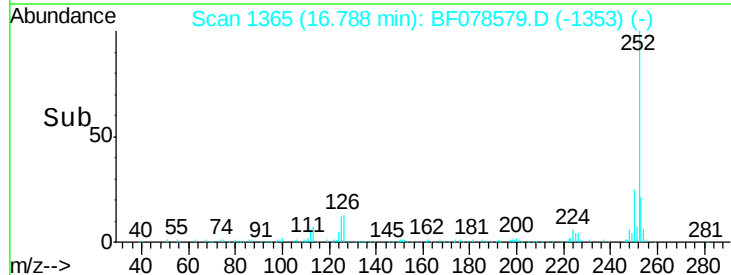
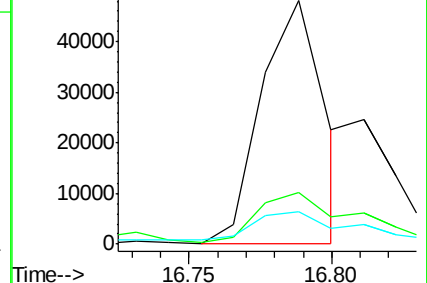
125 13.5 7.0 10.4#

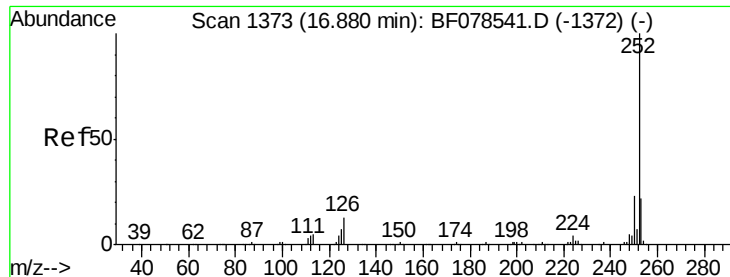


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.61 ng m

RT: 16.81 min Scan# 1367

Delta R.T. 0.02 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

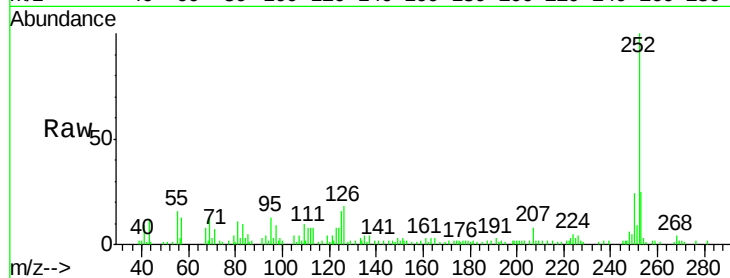
Tgt Ion:252 Resp: 27572

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

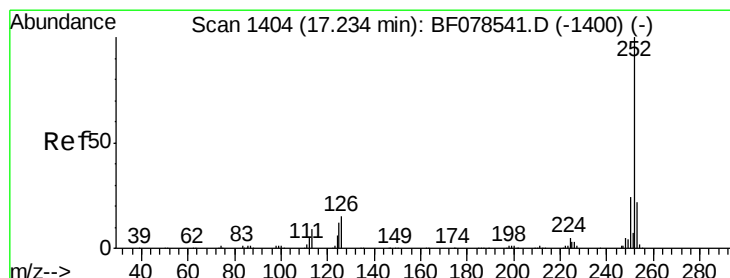
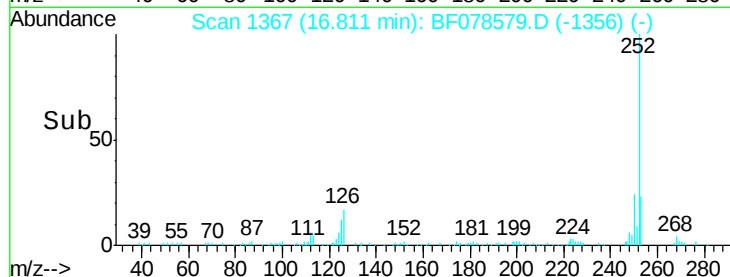
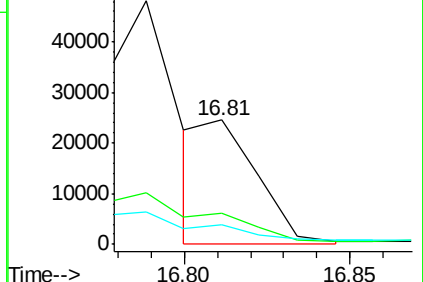
125 16.0 11.6 17.4



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



#89

Benzo(a)pyrene

Concen: 7.32 ng

RT: 17.17 min Scan# 1398

Delta R.T. 0.03 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

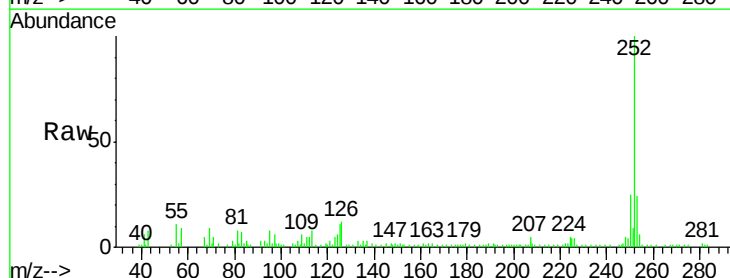
Tgt Ion:252 Resp: 54947

Ion Ratio Lower Upper

252 100

253 24.1 16.8 25.2

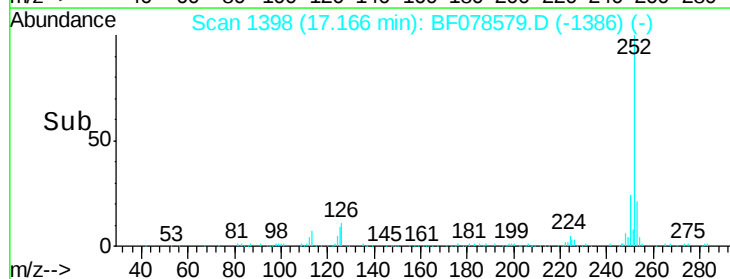
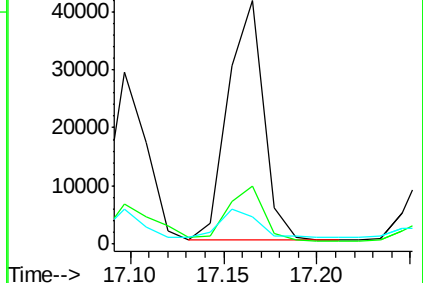
125 11.1 7.4 11.0#

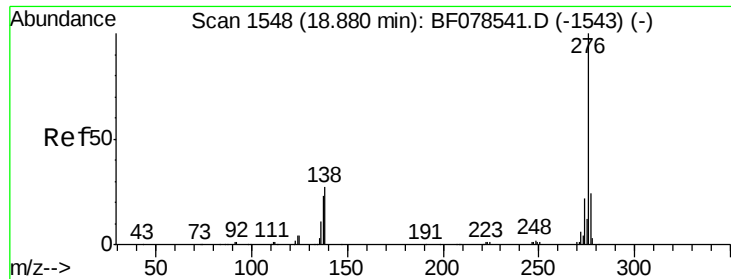


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.75 ng m

RT: 18.77 min Scan# 1538

Delta R.T. 0.06 min

Lab File: BF078579.D

Acq: 16 Apr 2015 21:43

Instrument :

BNA_F

ClientSampleId :

LS-SB10A(7.5-8)

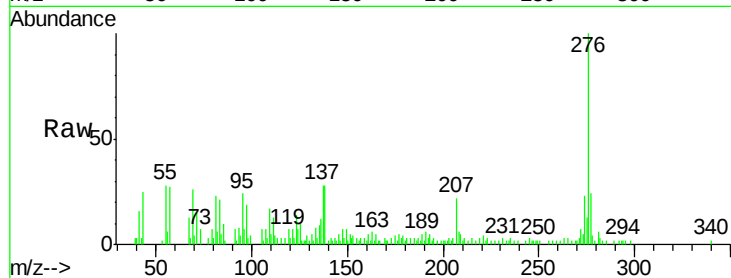
Tgt Ion: 276 Resp: 35783

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 27.7 19.9 29.9



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

