

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078584.D
 Acq On : 17 Apr 2015 00:06
 Operator : TP/IZ
 Sample : G1854-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

Quant Time: Apr 17 01:25:27 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

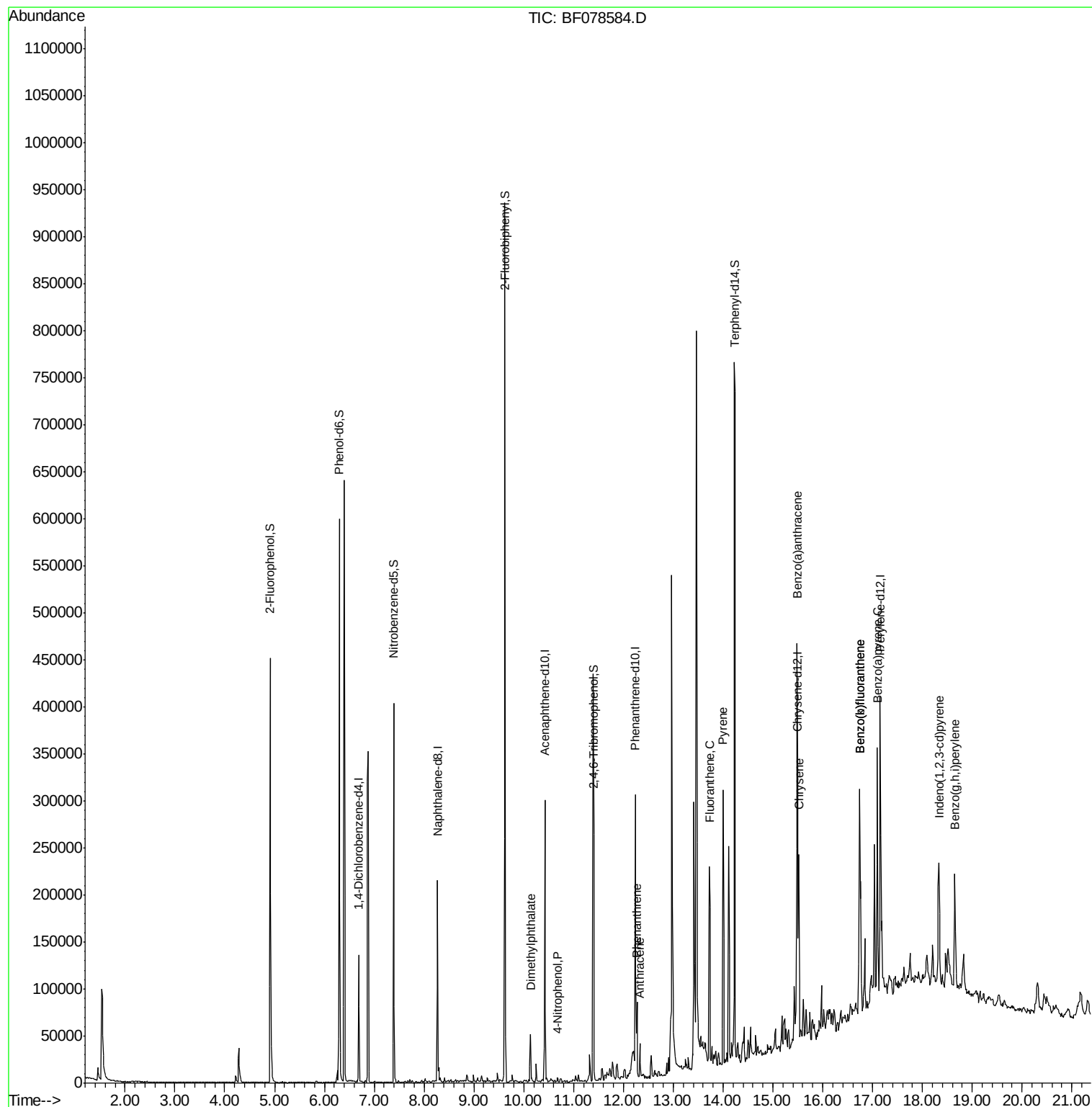
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	26400	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	112746	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	60329	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	123097	20.00	ng	0.00
75) Chrysene-d12	15.50	240	142297	20.00	ng	0.01
86) Perylene-d12	17.15	264	147030	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	168322	105.12	ng	0.01
7) Phenol-d6	6.30	99	220837	110.05	ng	0.00
23) Nitrobenzene-d5	7.39	82	128095	68.86	ng	0.00
41) 2,4,6-Tribromophenol	11.41	330	60413	120.74	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	299324	70.92	ng	0.00
78) Terphenyl-d14	14.24	244	371583	59.01	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.14	163	23154	5.11	ng	98
55) 4-Nitrophenol	10.67	139	1092	4.12	ng	# 18
70) Phenanthrene	12.27	178	36778	5.17	ng	99
71) Anthracene	12.33	178	17092	2.44	ng	99
74) Fluoranthene	13.73	202	118788	15.82	ng	99
77) Pyrene	14.00	202	125654	14.07	ng	# 95
80) Benzo(a)anthracene	15.49	228	105134	12.42	ng	98
82) Chrysene	15.52	228	85743	10.78	ng	98
85) Indeno(1,2,3-cd)pyrene	18.33	276	81584	9.04	ng	# 85
87) Benzo(b)fluoranthene	16.74	252	206176	22.69	ng	# 97
88) Benzo(k)fluoranthene	16.74	252	207193	25.66	ng	# 96
89) Benzo(a)pyrene	17.10	252	125306	15.80	ng	96
91) Benzo(g,h,i)perylene	18.65	276	77935	9.79	ng	97

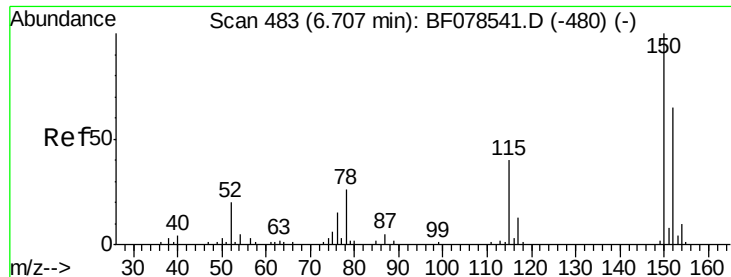
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

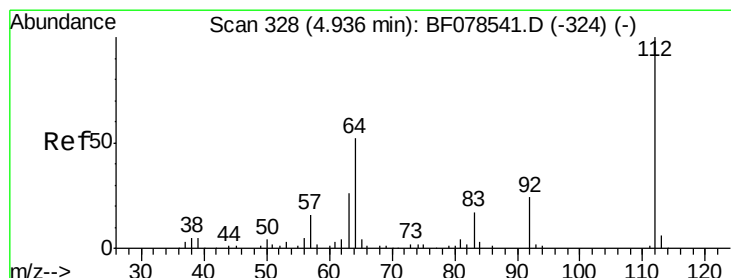
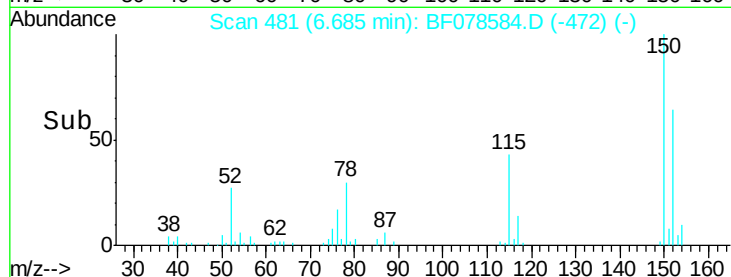
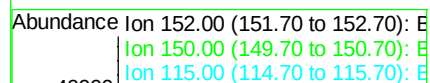
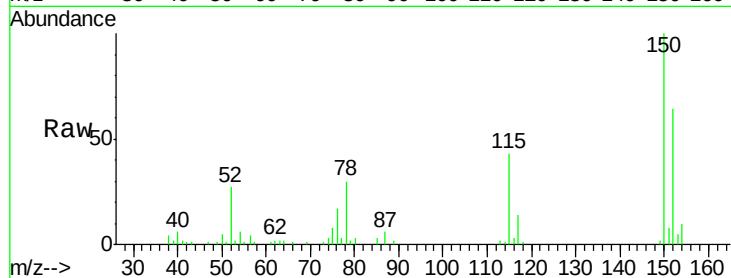
Tgt Ion:152 Resp: 26400

Ion Ratio Lower Upper

152 100

150 155.5 125.9 188.9

115 66.7 52.7 79.1



#5

2-Fluorophenol

Concen: 105.12 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

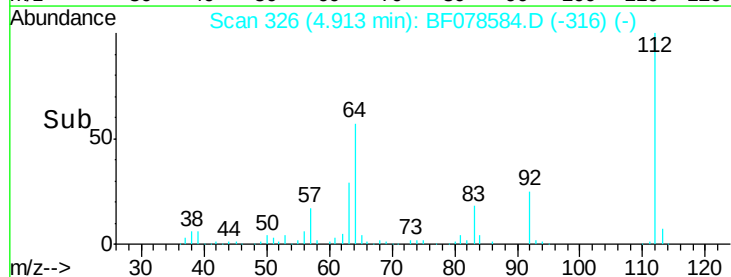
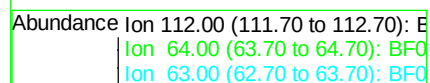
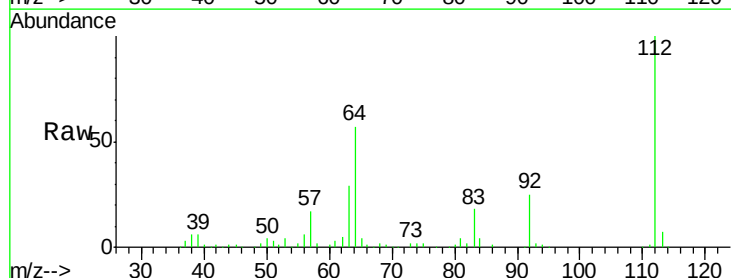
Tgt Ion:112 Resp: 168322

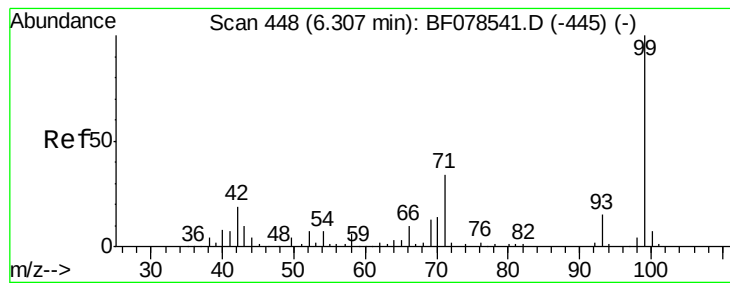
Ion Ratio Lower Upper

112 100

64 57.2 39.9 59.9

63 29.3 20.2 30.4





#7

Phenol-d6

Concen: 110.05 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

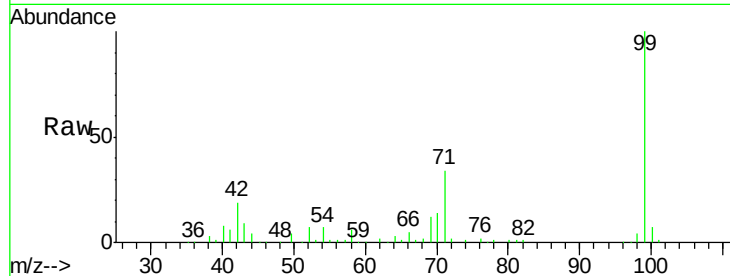
Tgt Ion: 99 Resp: 220837

Ion Ratio Lower Upper

99 100

42 19.2 14.8 22.2

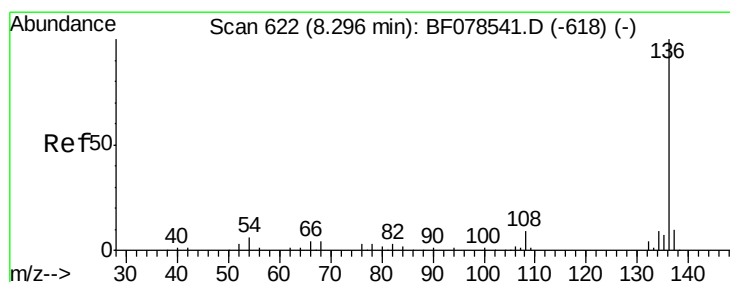
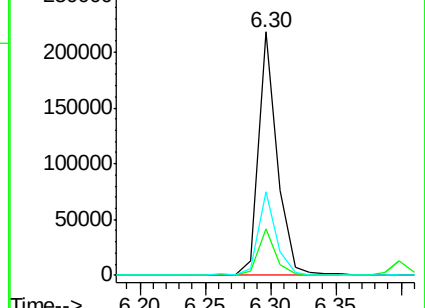
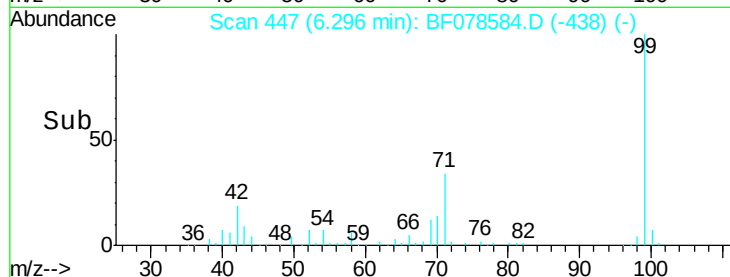
71 34.1 26.6 39.8



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: BF078584.D

Acq: 17 Apr 2015 00:06

Tgt Ion: 136 Resp: 112746

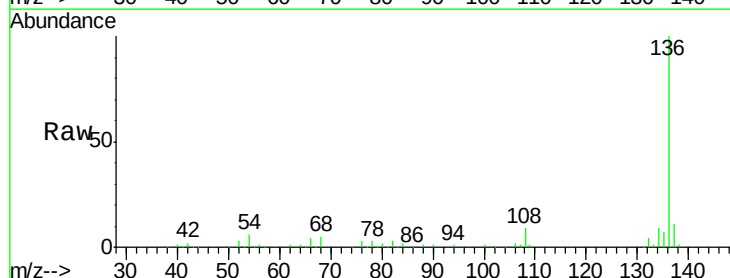
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.8 7.0 10.6#

68 4.6 5.4 8.2#

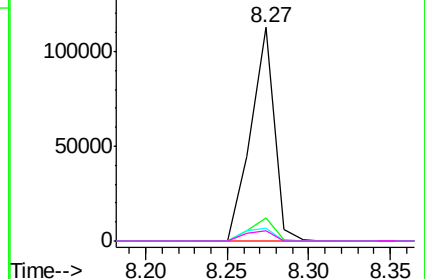
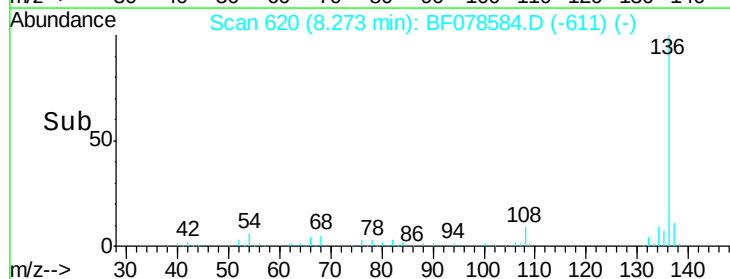


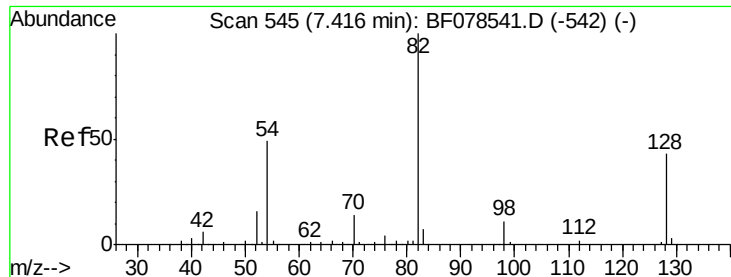
Abundance Ion 136.00 (135.70 to 136.70): E

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

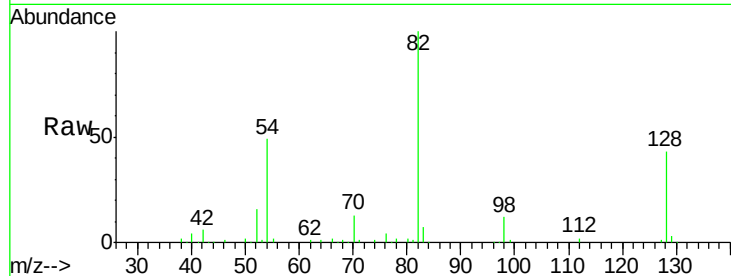




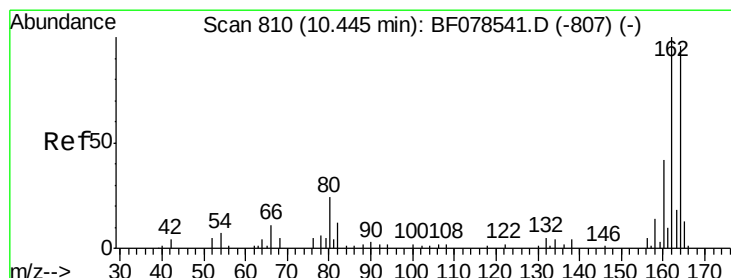
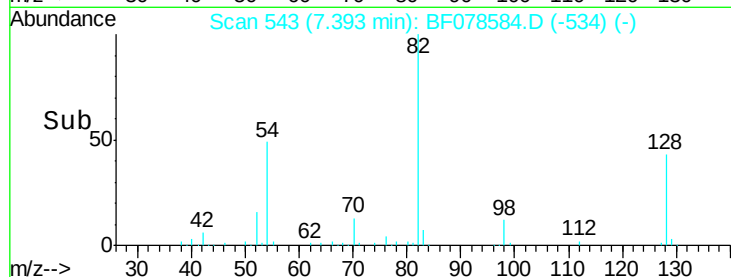
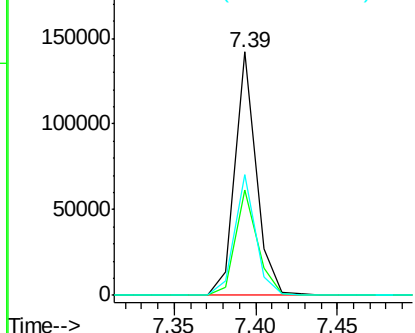
#23
 Nitrobenzene-d5
 Concen: 68.86 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

Tgt Ion: 82 Resp: 128095
 Ion Ratio Lower Upper
 82 100
 128 43.3 31.8 47.8
 54 49.4 41.5 62.3

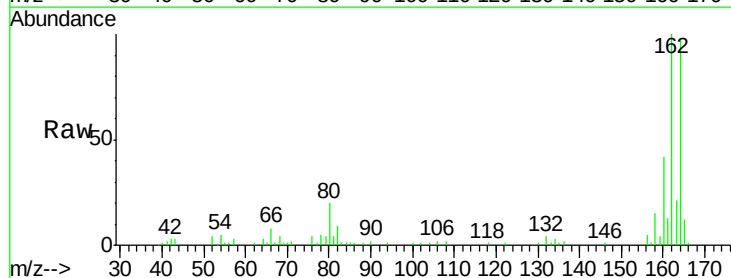


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

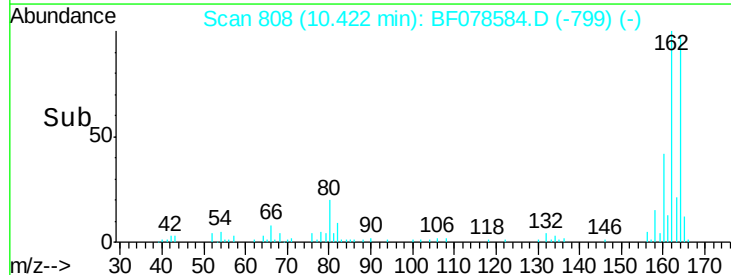
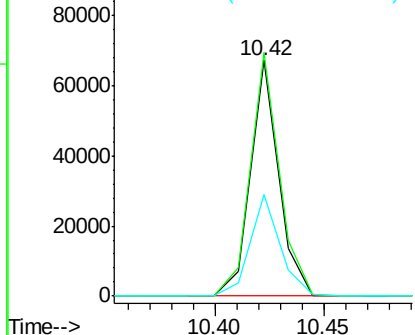


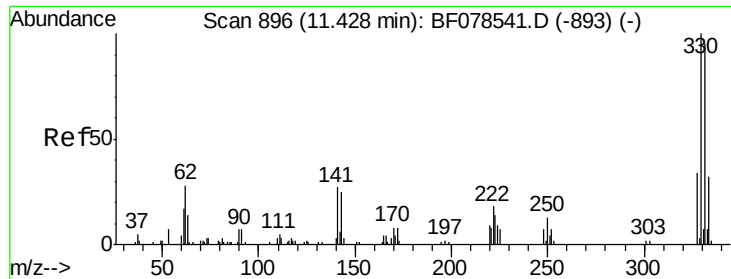
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Tgt Ion: 164 Resp: 60329
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.2 123.2
 160 43.4 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

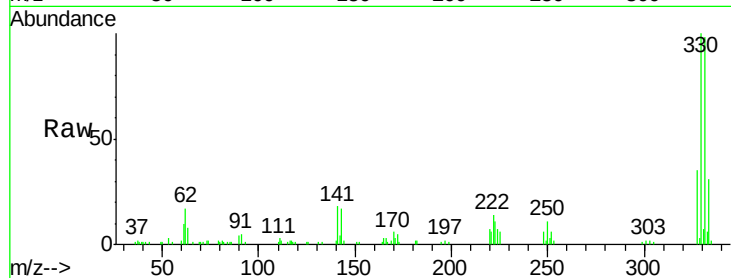




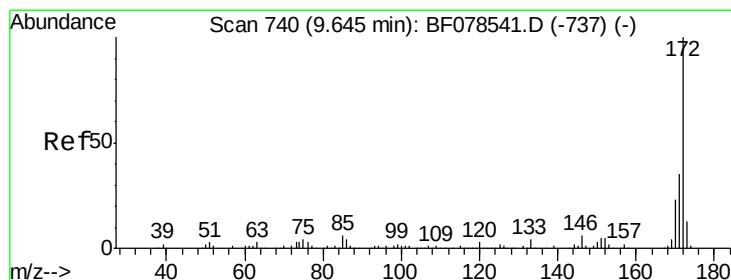
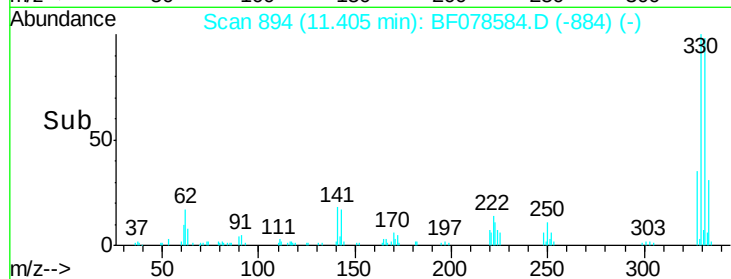
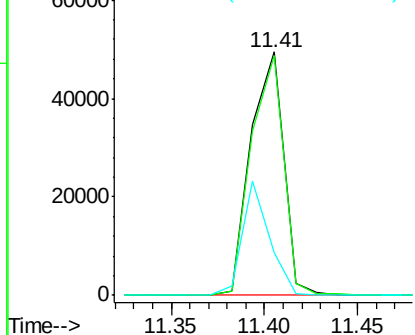
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 11.41 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

Tgt Ion:330 Resp: 60413
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.6 117.8
 141 39.0 31.2 46.8

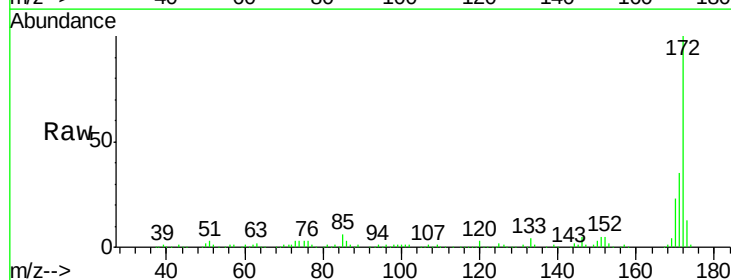


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

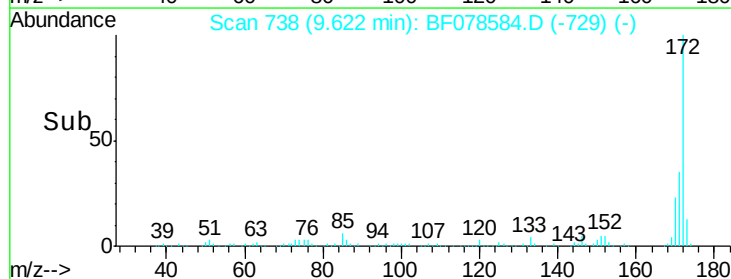
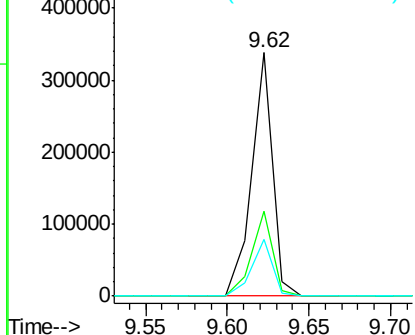


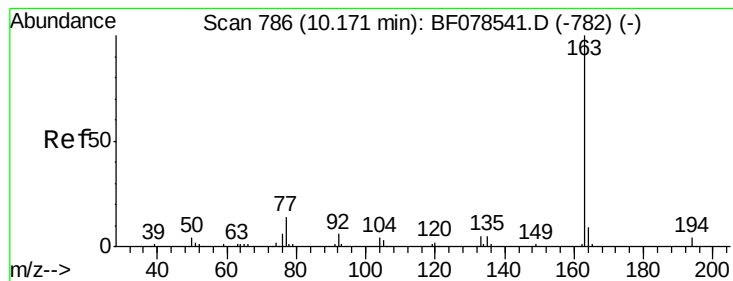
#44
 2-Fluorobiphenyl
 Concen: 70.92 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Tgt Ion:172 Resp: 299324
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 23.1 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





#49

Dimethylphthalate

Concen: 5.11 ng

RT: 10.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

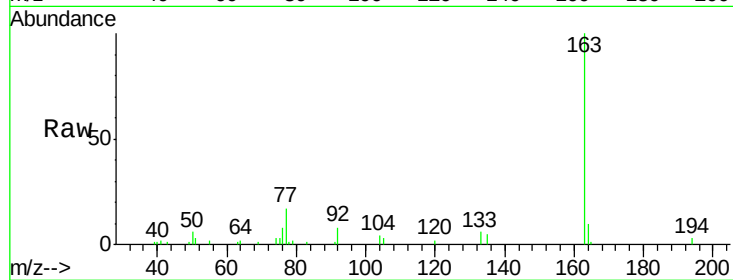
Tgt Ion:163 Resp: 23154

Ion Ratio Lower Upper

163 100

194 3.3 2.3 3.5

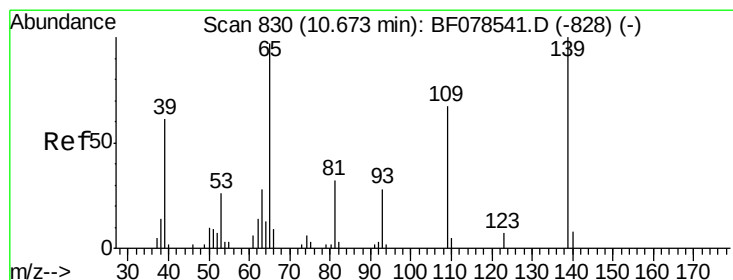
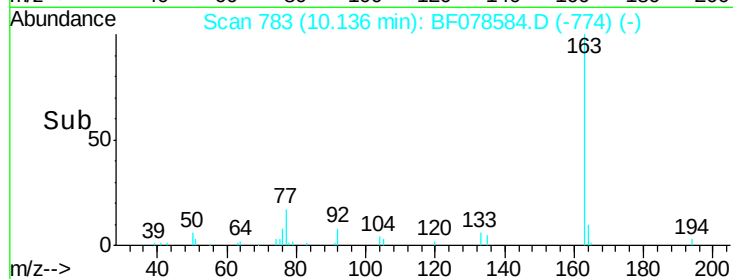
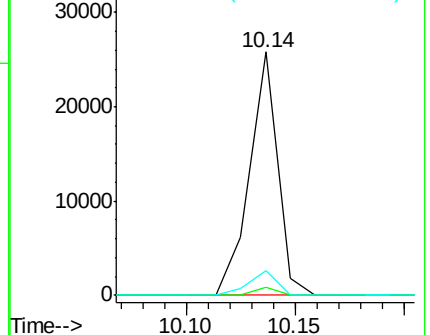
164 9.9 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 4.12 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.02 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

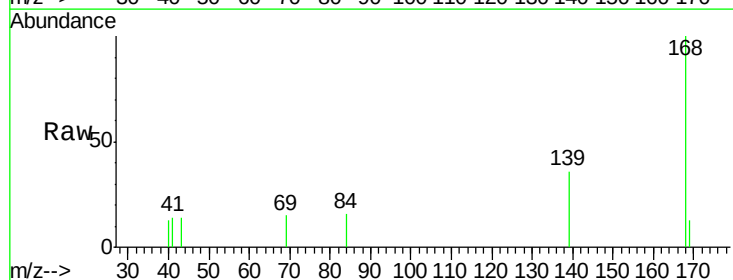
Tgt Ion:139 Resp: 1092

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

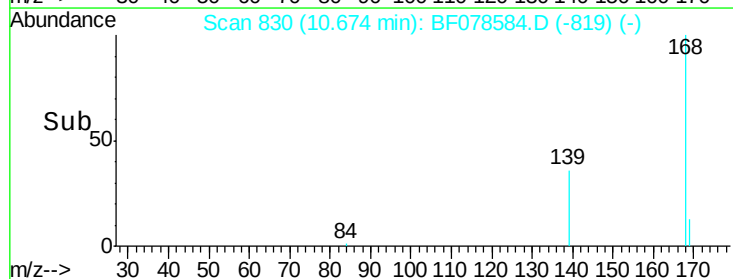
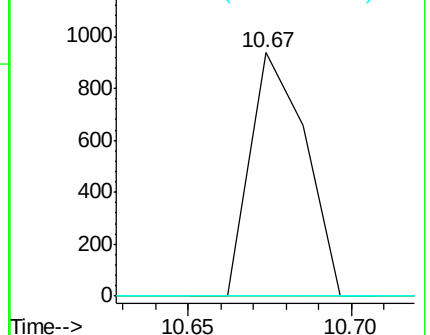
65 0.0 49.9 89.9#

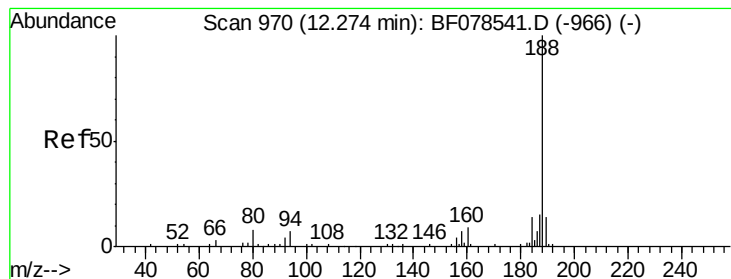


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

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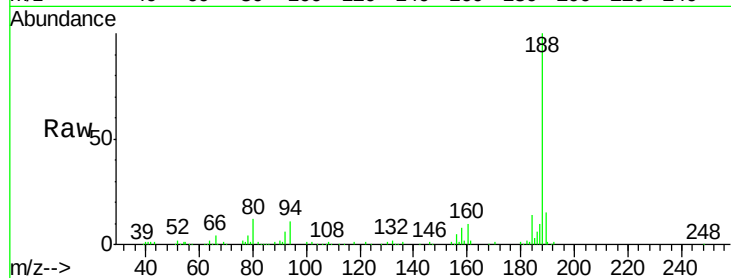
Tgt Ion:188 Resp: 123097

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

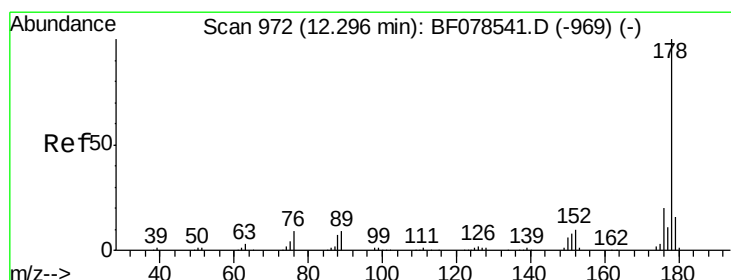
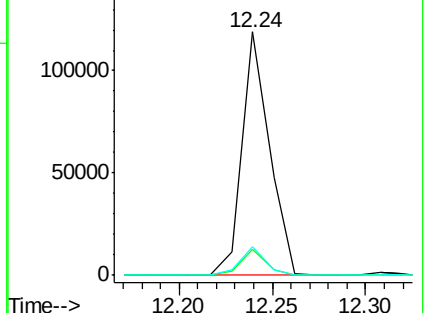
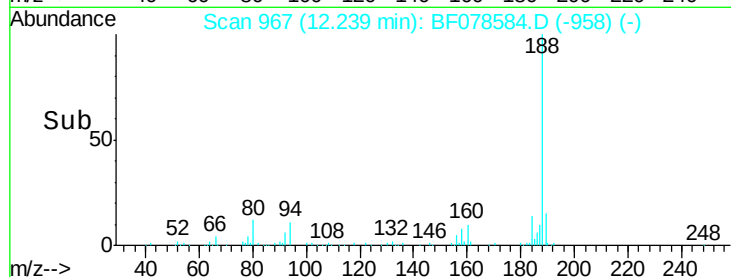
80 11.5 9.5 14.3



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: 5.17 ng

RT: 12.27 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

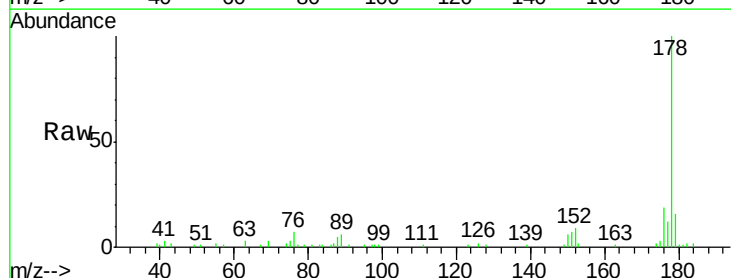
Tgt Ion:178 Resp: 36778

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

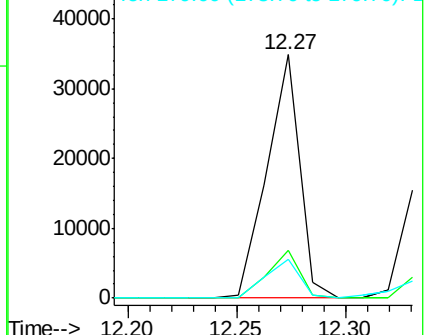
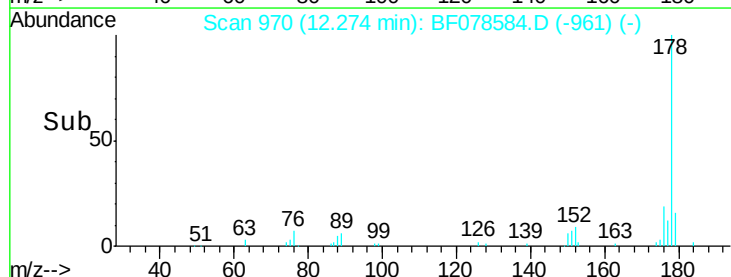
179 15.9 12.2 18.2

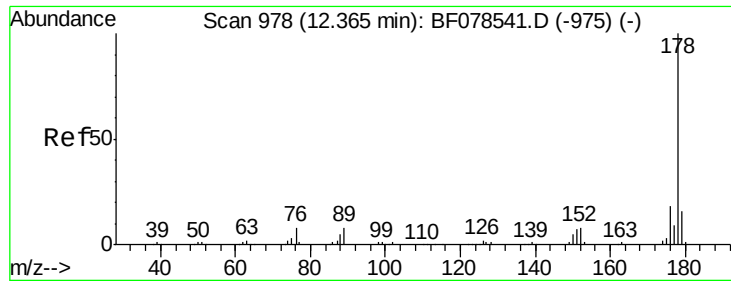


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

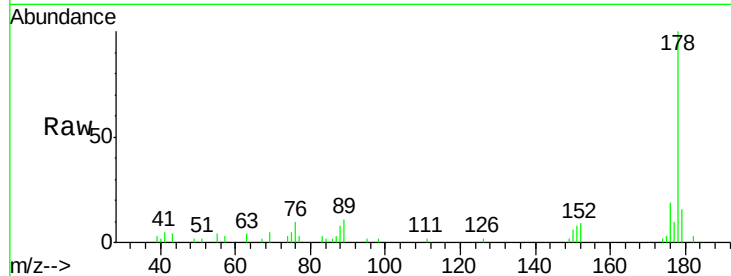




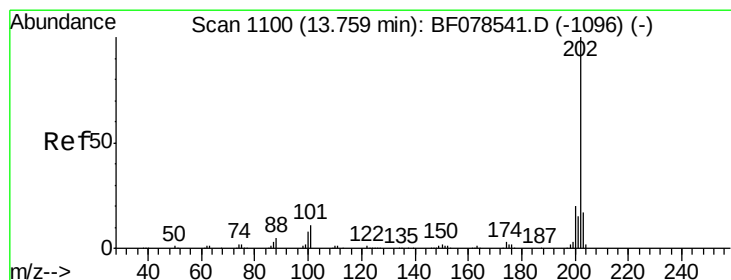
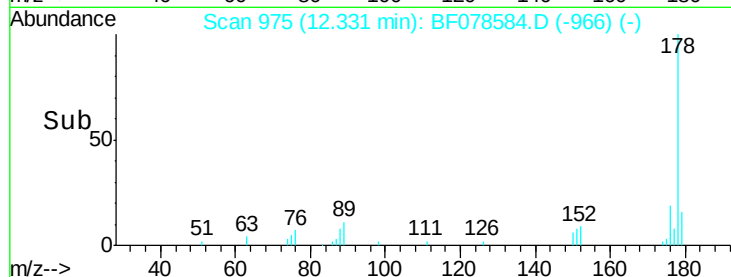
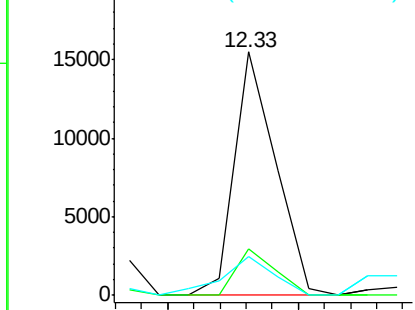
#71
 Anthracene
 Concen: 2.44 ng
 RT: 12.33 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

Tgt Ion:178 Resp: 17092
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.8 22.2
 179 16.0 12.4 18.6

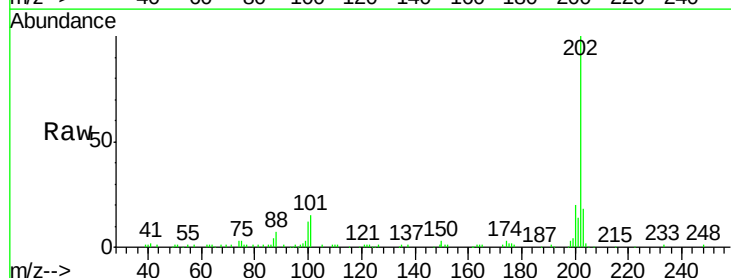


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

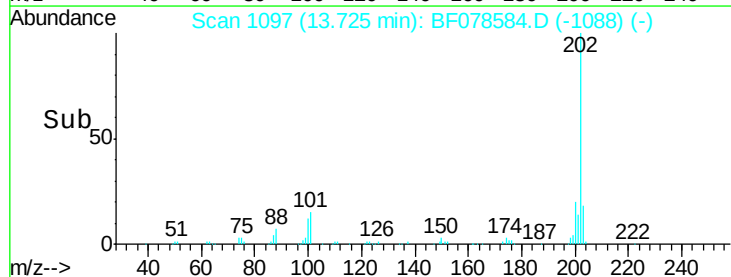
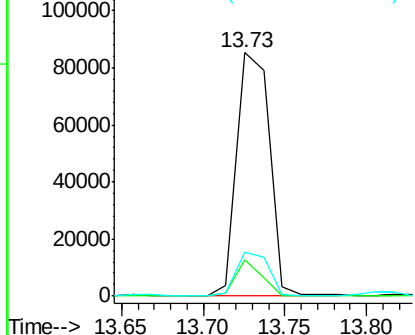


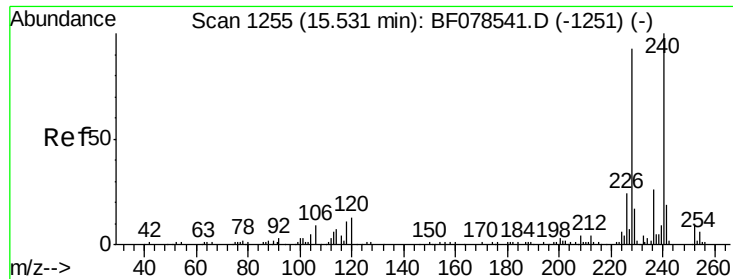
#74
 Fluoranthene
 Concen: 15.82 ng
 RT: 13.73 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Tgt Ion:202 Resp: 118788
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 35.2
 203 17.8 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: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

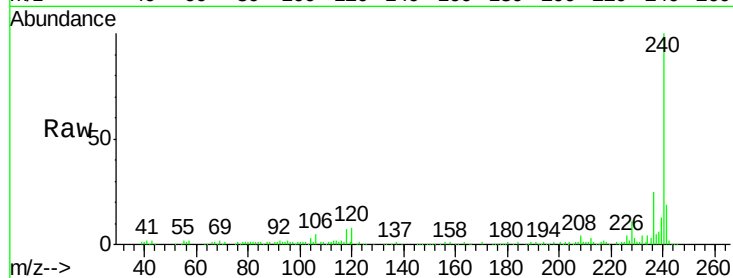
Tgt Ion:240 Resp: 142297

Ion Ratio Lower Upper

240 100

120 8.2 7.1 10.7

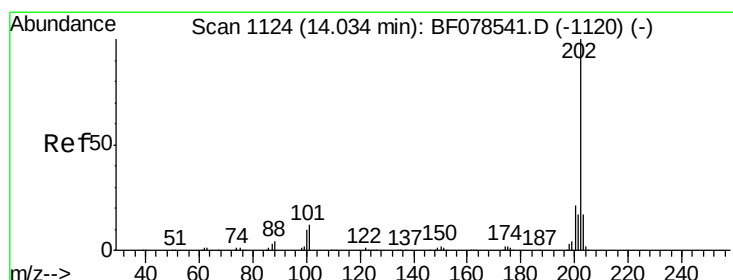
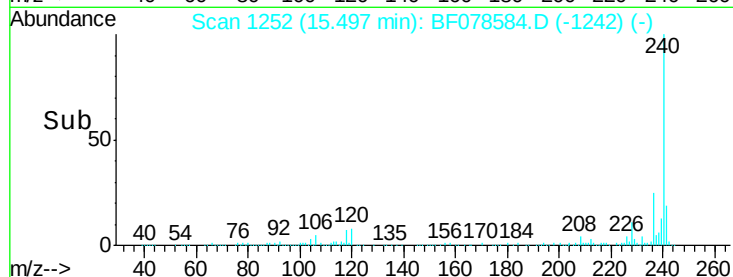
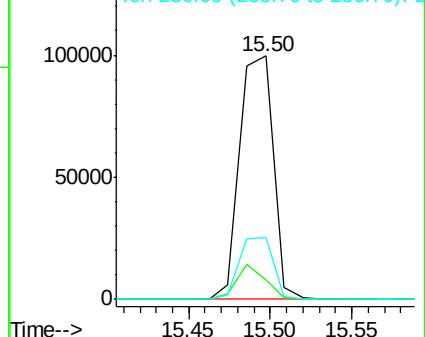
236 25.2 21.4 32.2



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: 14.07 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

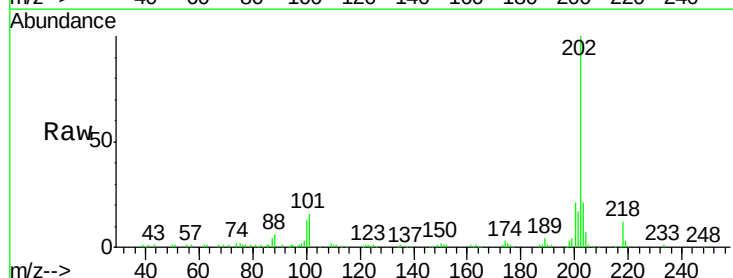
Tgt Ion:202 Resp: 125654

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

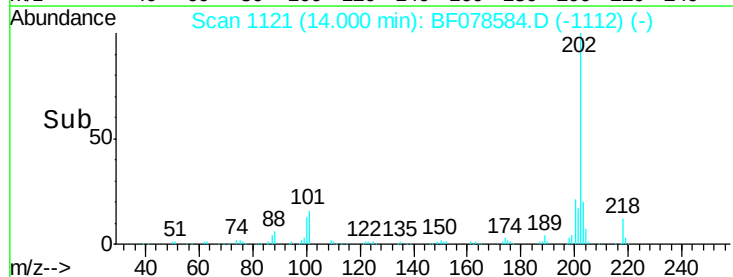
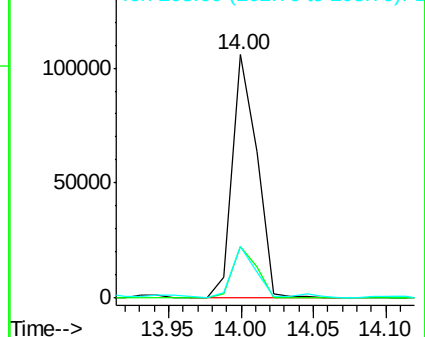
203 21.0 13.8 20.6#

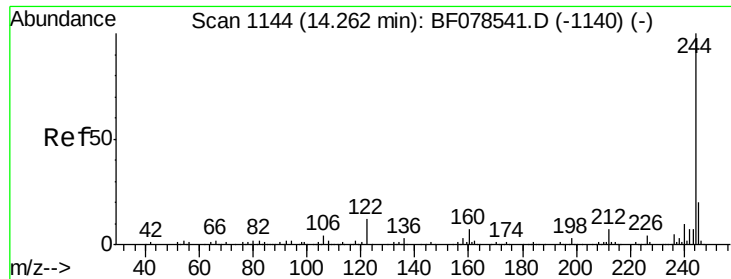


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

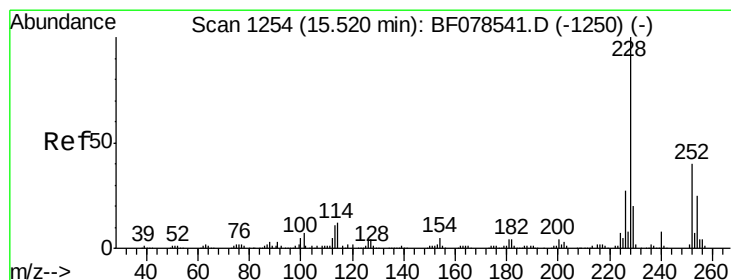
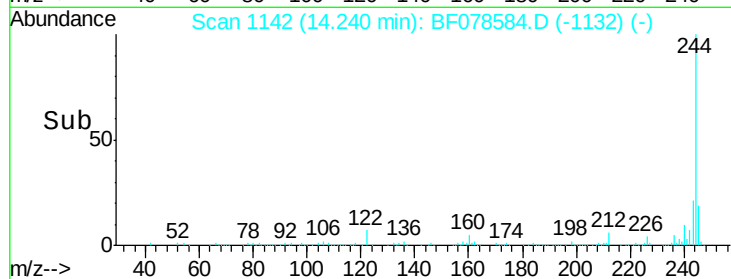
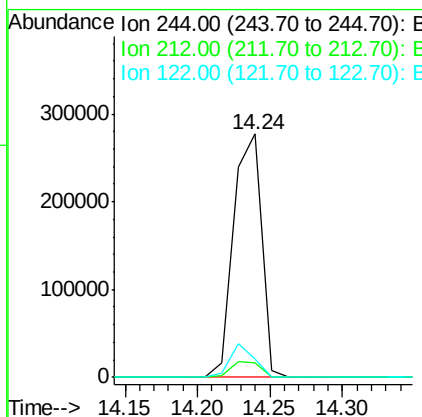
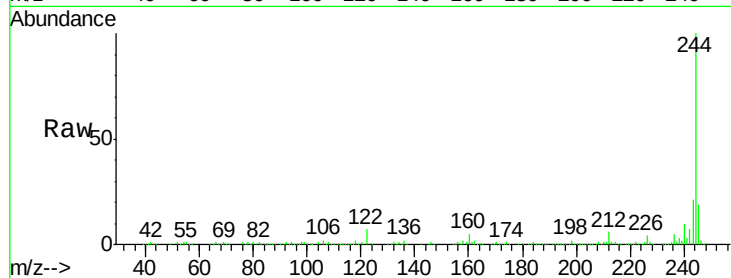




#78
 Terphenyl-d14
 Concen: 59.01 ng
 RT: 14.24 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

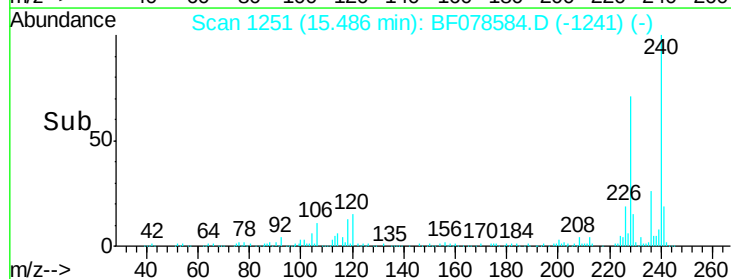
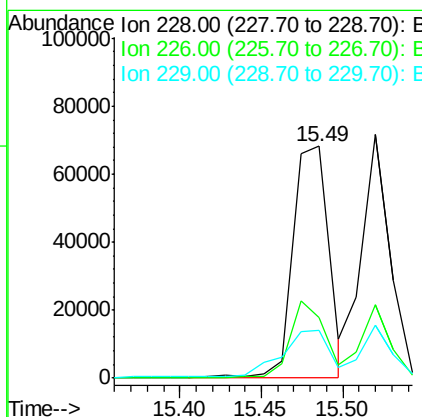
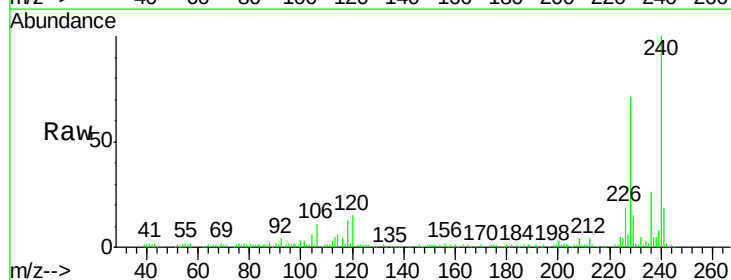
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

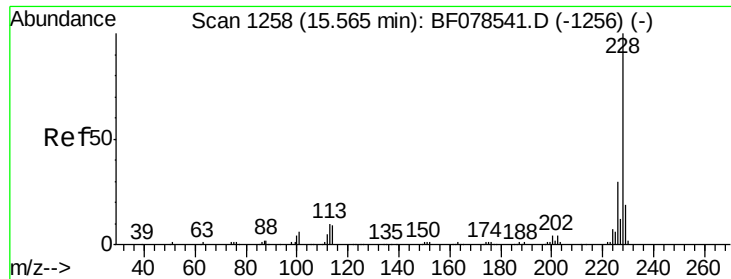
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.0	7.4
122	7.5	7.1	10.7



#80
 Benzo(a)anthracene
 Concen: 12.42 ng
 RT: 15.49 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.3	31.9
229	20.8	15.4	23.2





#82

Chrysene

Concen: 10.78 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

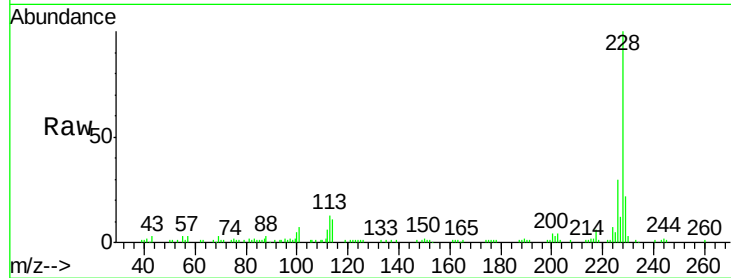
Tgt Ion:228 Resp: 85743

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

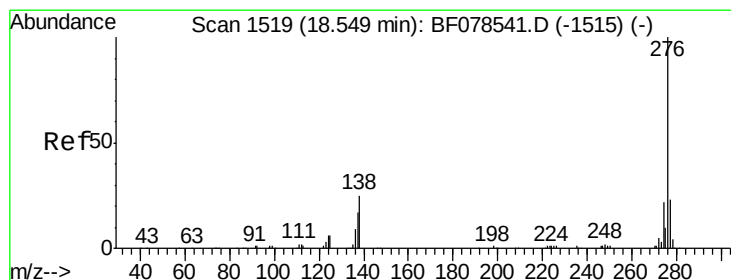
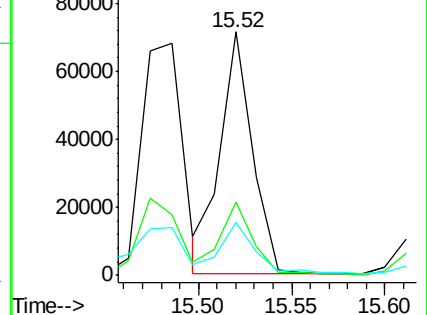
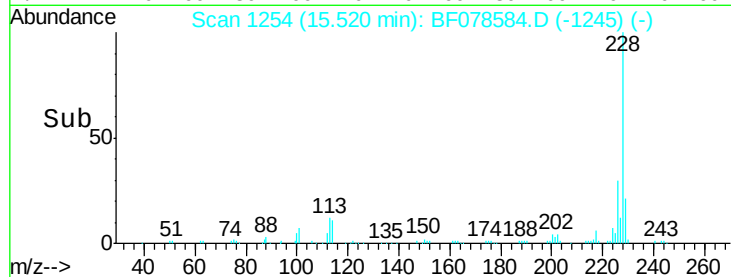
229 21.8 15.8 23.8



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: 9.04 ng

RT: 18.33 min Scan# 1500

Delta R.T. -0.05 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

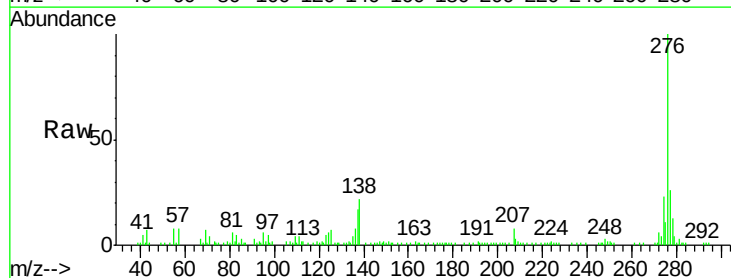
Tgt Ion:276 Resp: 81584

Ion Ratio Lower Upper

276 100

138 25.9 16.9 25.3#

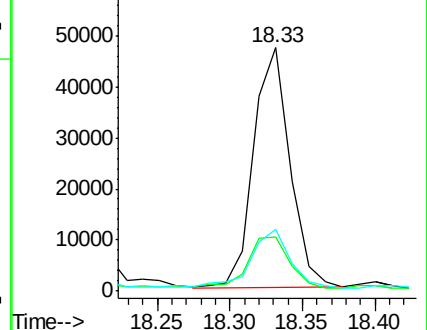
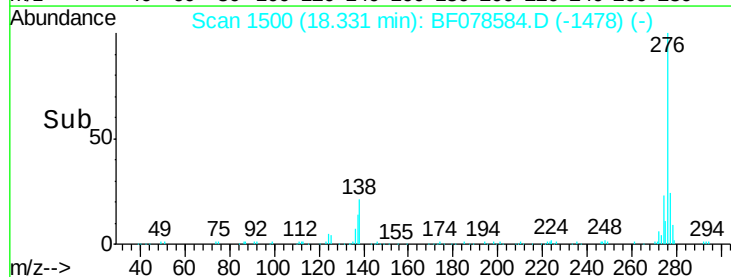
277 29.1 15.8 23.6#

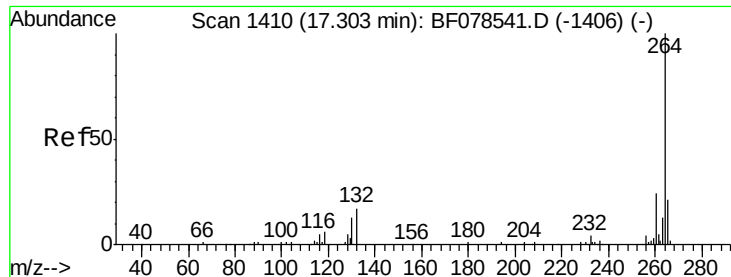


Abundance Ion 276.00 (275.70 to 276.70): E

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: 17.15 min Scan# 1397

Delta R.T. -0.03 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

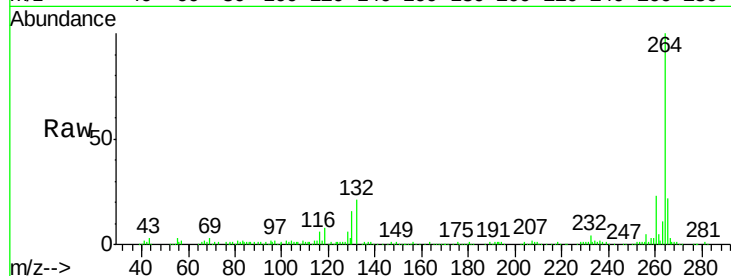
Tgt Ion:264 Resp: 147030

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

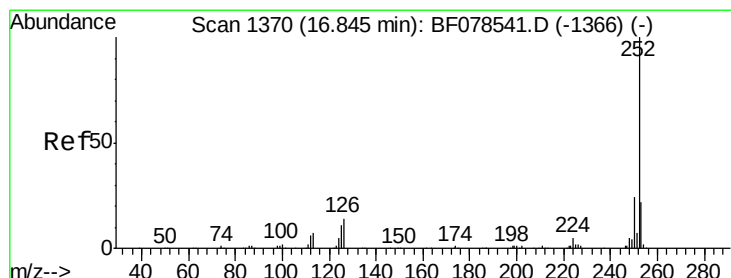
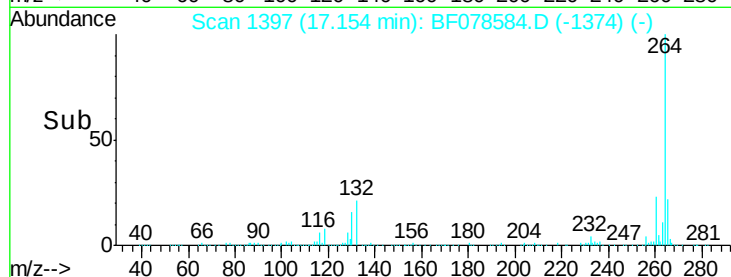
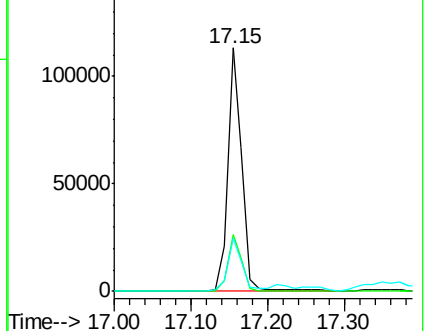
265 21.8 17.0 25.6



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: 22.69 ng

RT: 16.74 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

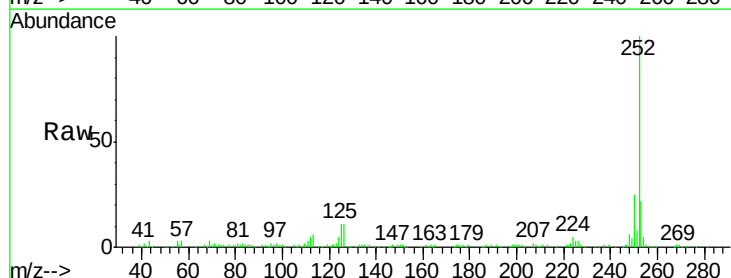
Tgt Ion:252 Resp: 206176

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

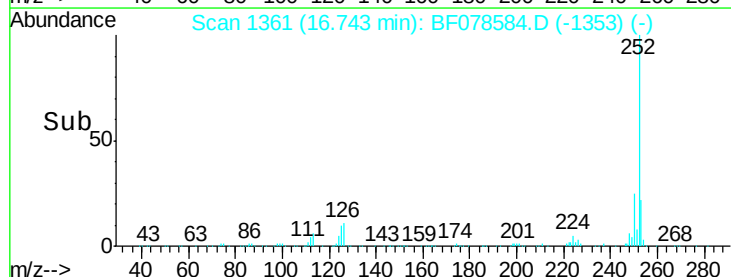
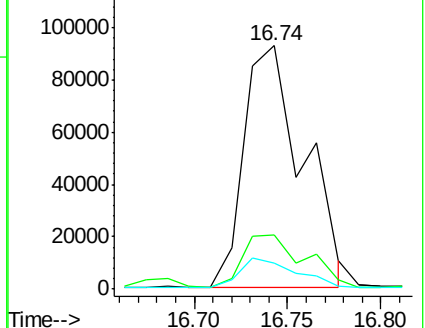
125 10.9 7.0 10.4#

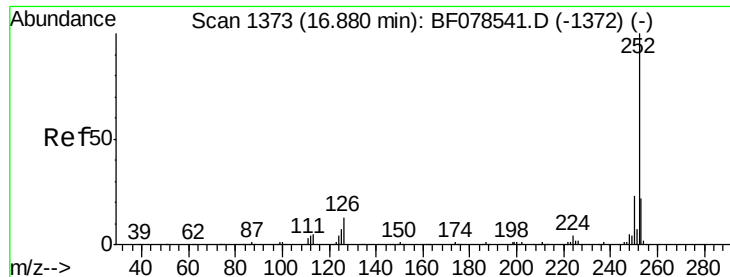


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

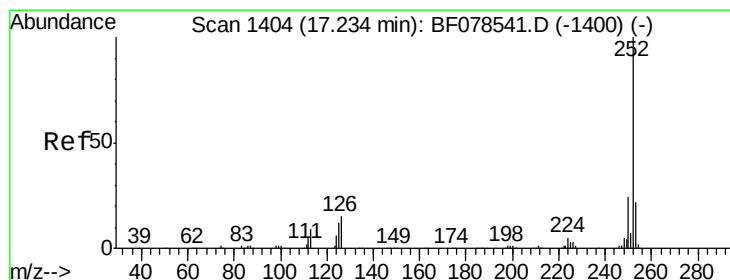
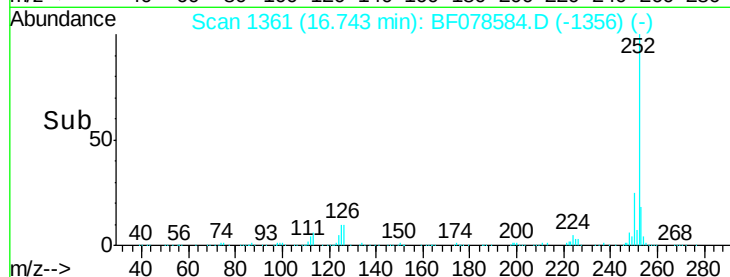
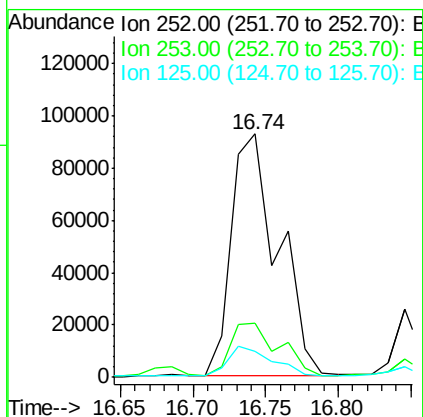
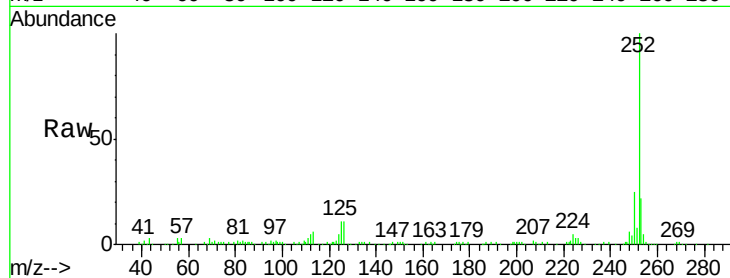




#88
Benzo(k)fluoranthene
Concen: 25.66 ng
RT: 16.74 min Scan# 1361
Delta R.T. -0.05 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

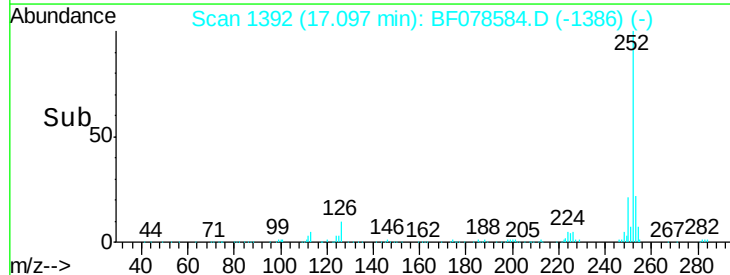
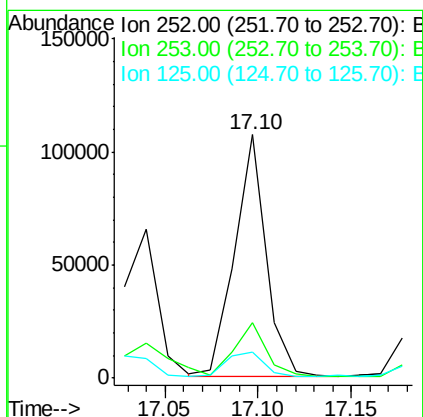
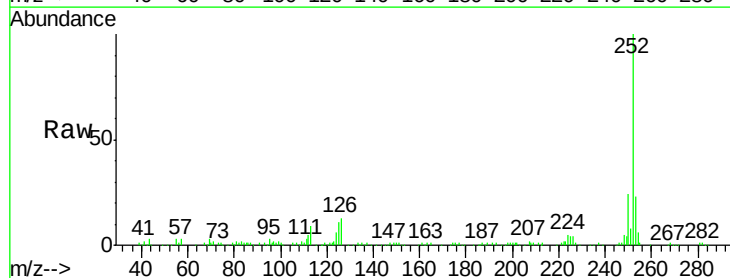
Instrument :
BNA_F
ClientSampleId :
LS-SB05A(1-1.5)

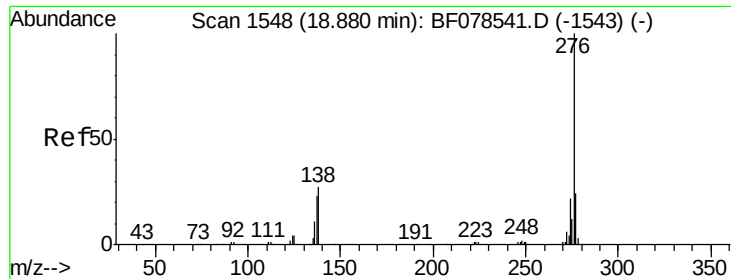
Tgt Ion:252 Resp: 207193
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 11.6 17.4#



#89
Benzo(a)pyrene
Concen: 15.80 ng
RT: 17.10 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

Tgt Ion:252 Resp: 125306
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 10.9 7.4 11.0





#91

Benzo(g,h,i)perylene

Concen: 9.79 ng

RT: 18.65 min Scan# 1528

Delta R.T. -0.06 min

Lab File: BF078584.D

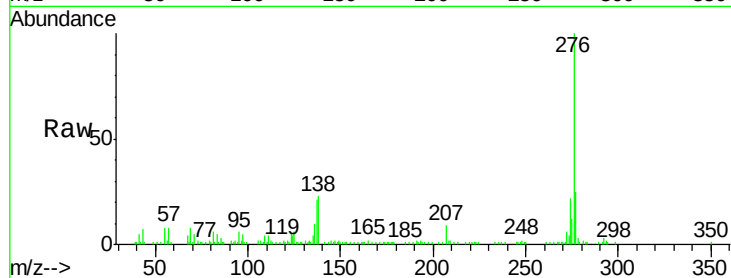
Acq: 17 Apr 2015 00:06

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)



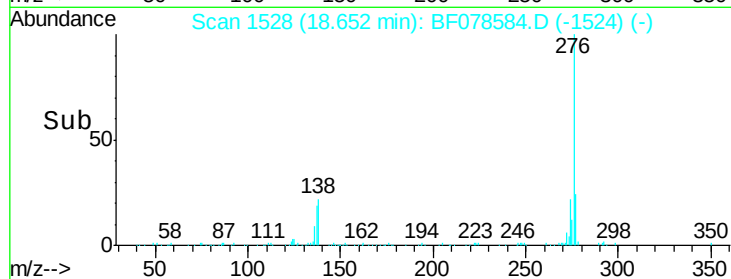
Tgt Ion: 276 Resp: 77935

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 23.0 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

