

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 11:06:37 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

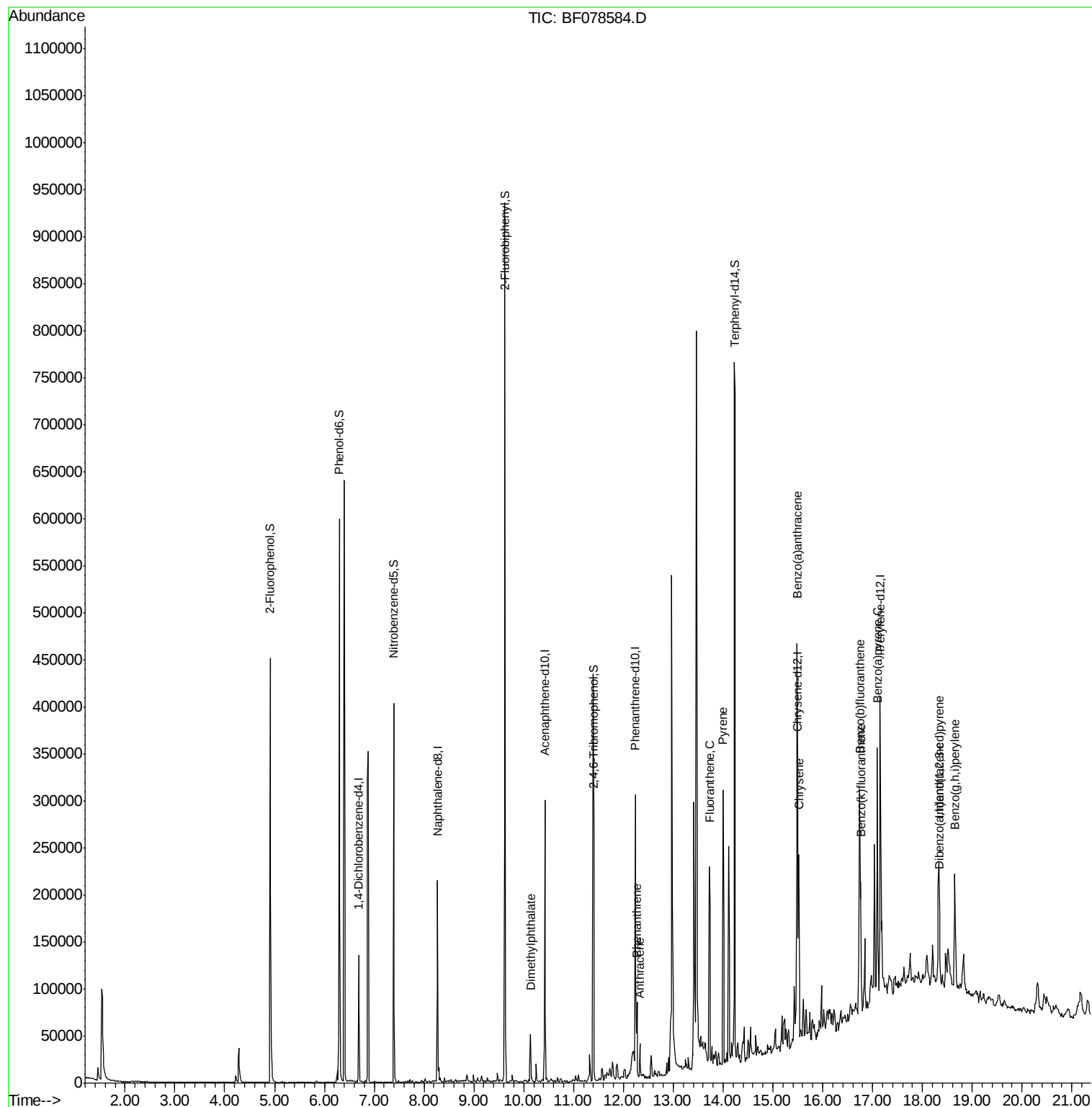
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	26400	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	112746	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	60329	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	123097	20.00	ng	0.00
75) Chrysene-d12	15.50	240	142297	20.00	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
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	162590m	17.89	ng	
88) Benzo(k)fluoranthene	16.77	252	46880m	5.81	ng	
89) Benzo(a)pyrene	17.10	252	125306	15.80	ng	96
90) Dibenzo(a,h)anthracene	18.34	278	17735m	2.23	ng	
91) Benzo(g,h,i)perylene	18.65	276	77935	9.79	ng	97

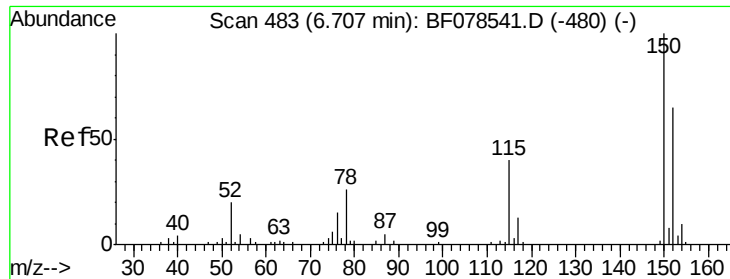
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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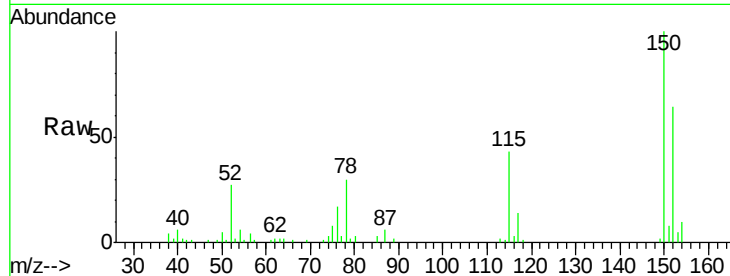


#1

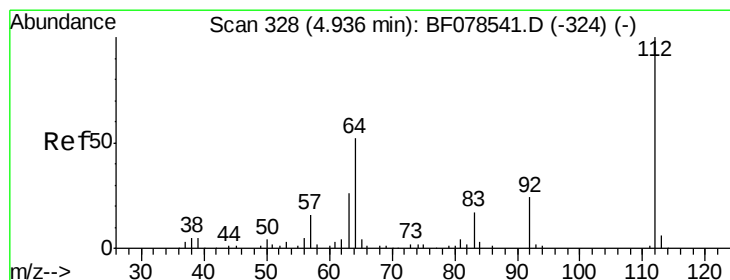
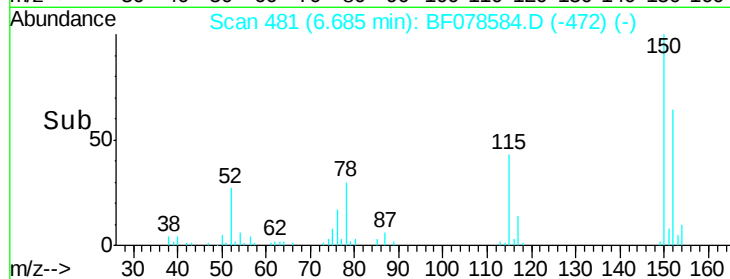
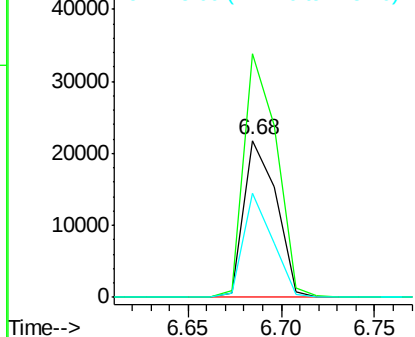
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

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



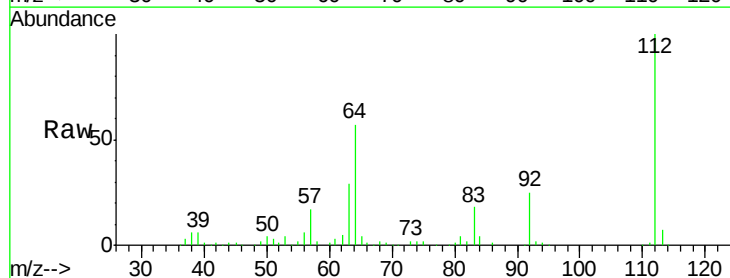
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



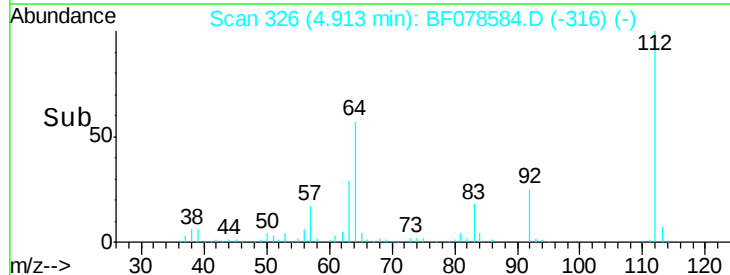
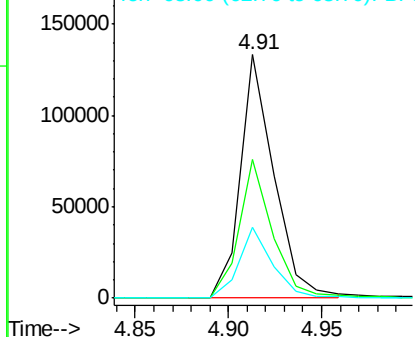
#5

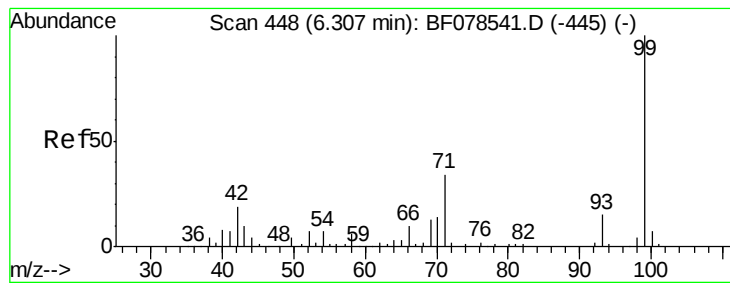
2-Fluorophenol
Concen: 105.12 ng
RT: 4.91 min Scan# 326
Delta R.T. 0.01 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

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



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: 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)

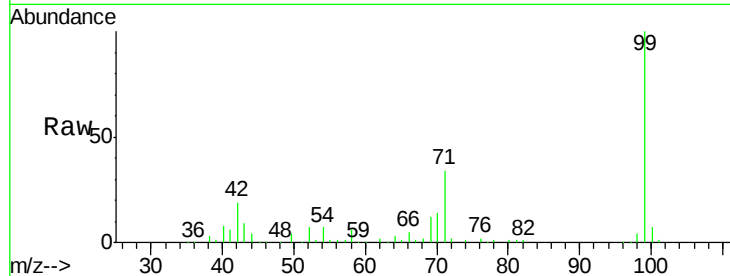
Tgt Ion: 99 Resp: 220837

Ion Ratio Lower Upper

99 100

42 19.2 14.8 22.2

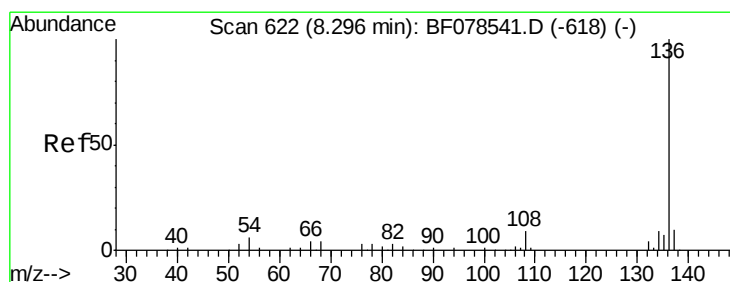
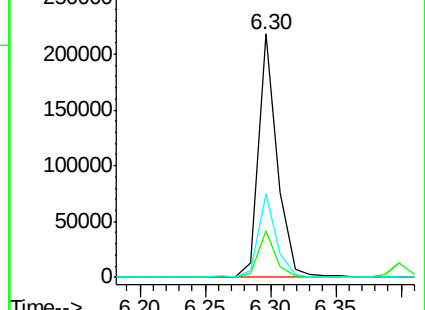
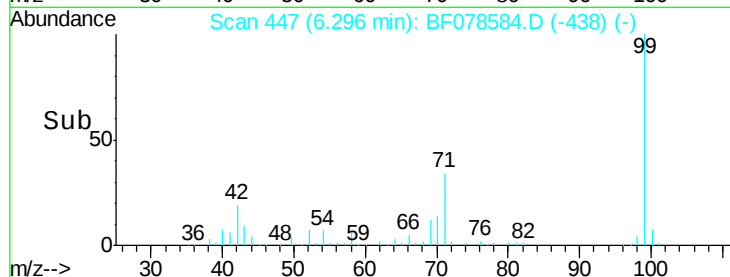
71 34.1 26.6 39.8



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

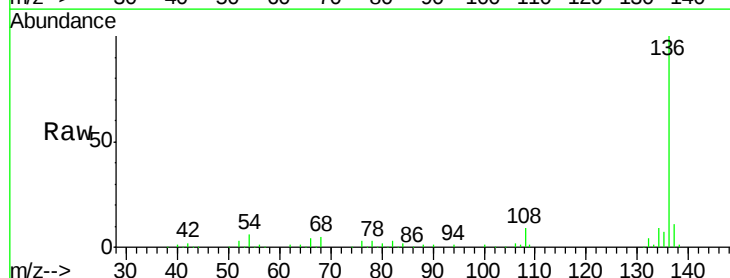
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.8 7.0 10.6#

68 4.6 5.4 8.2#

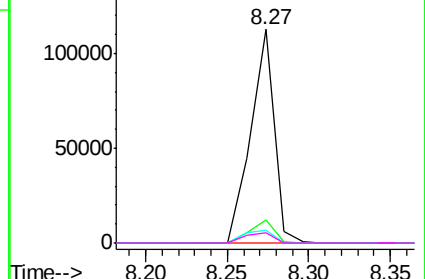
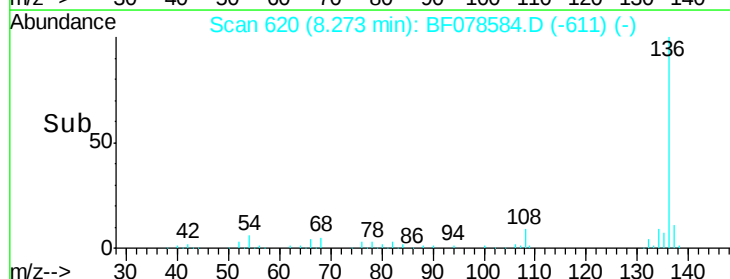


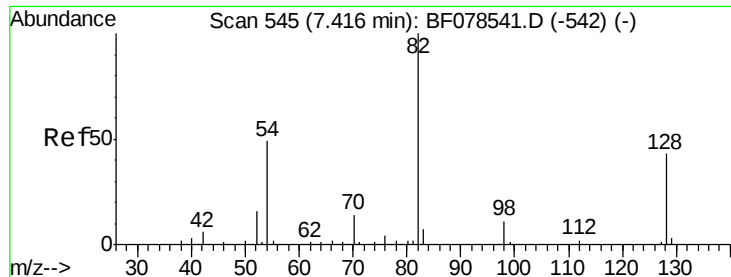
Abundance Ion 136.00 (135.70 to 136.70): E

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

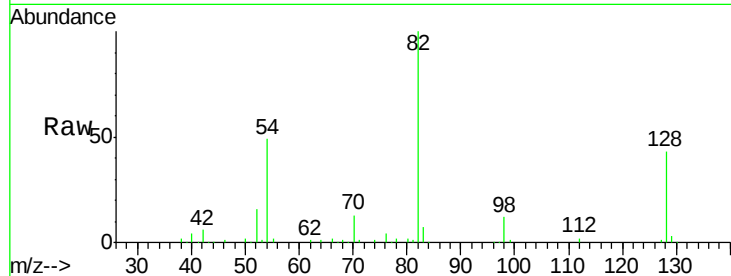




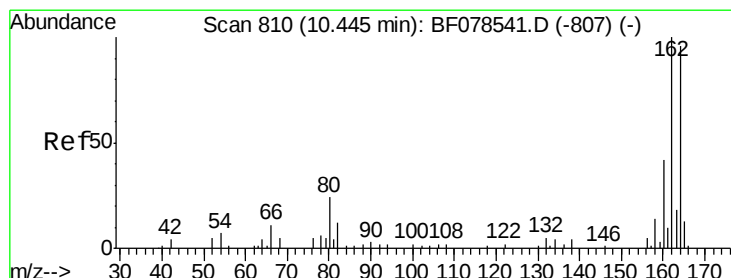
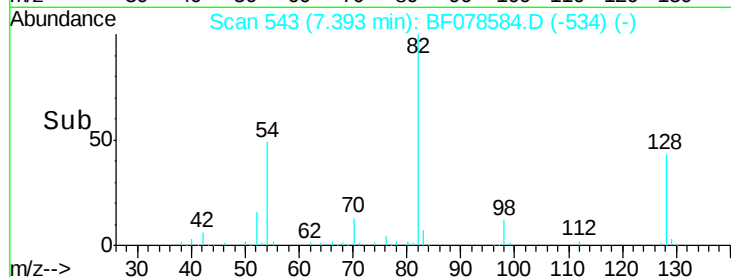
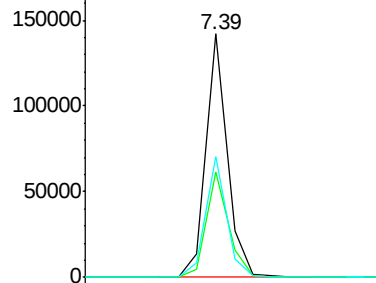
#23
 Nitrobenzene-d5
 Concen: 68.86 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

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

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

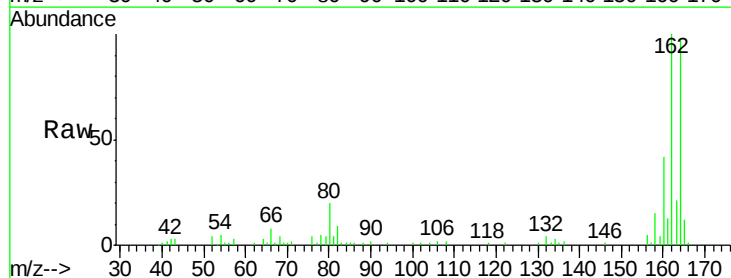


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

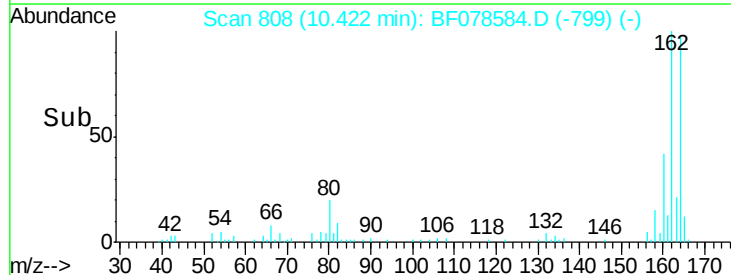
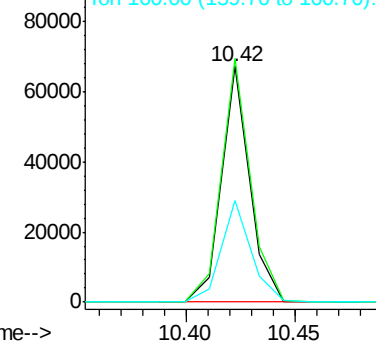


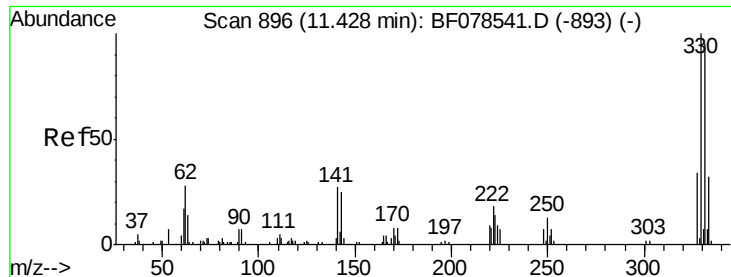
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

Tgt Ion	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

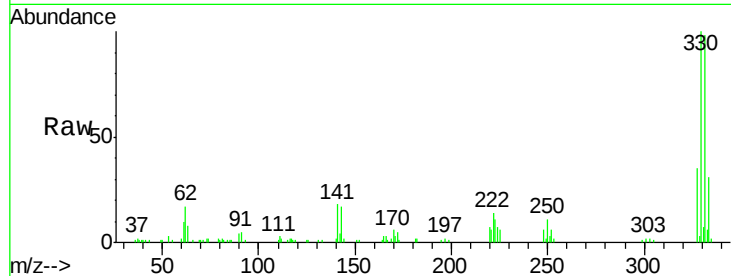




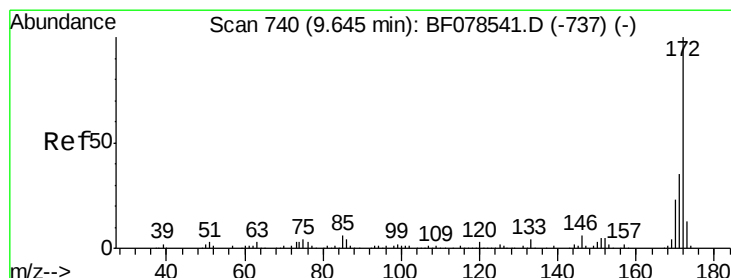
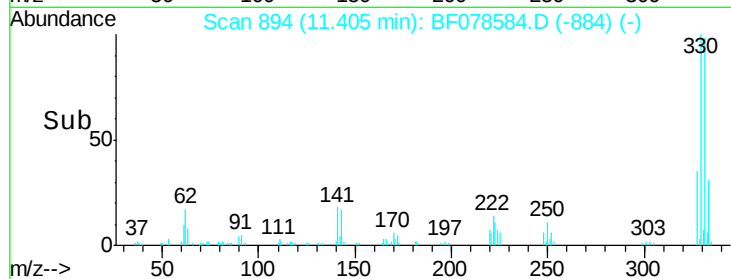
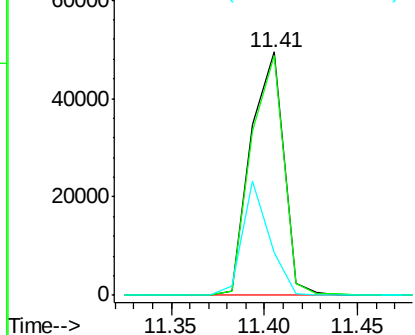
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 11.41 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

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

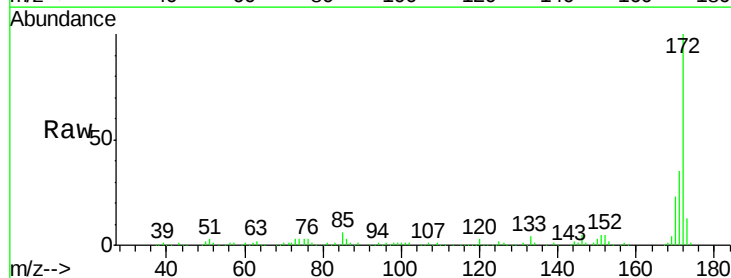


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

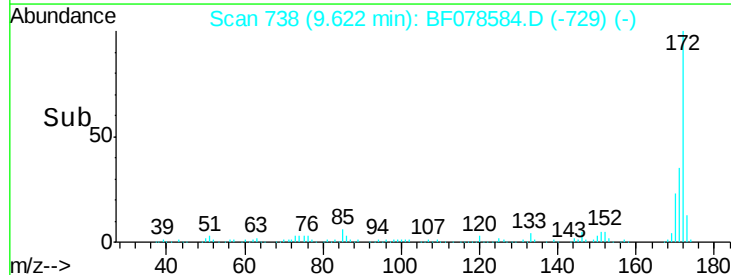
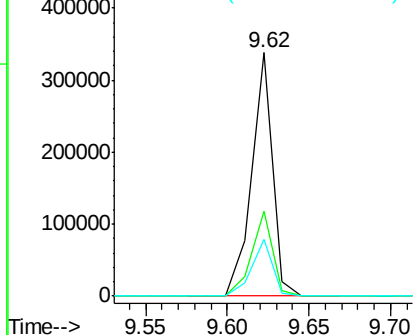


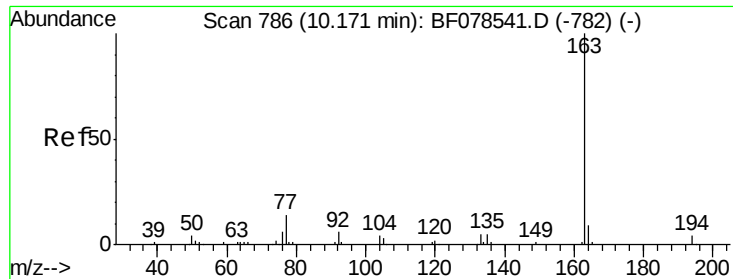
#44
 2-Fluorobiphenyl
 Concen: 70.92 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

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

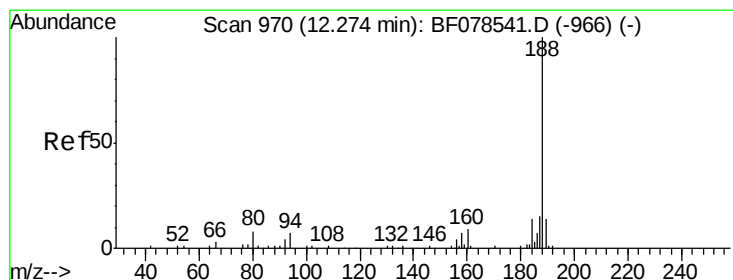
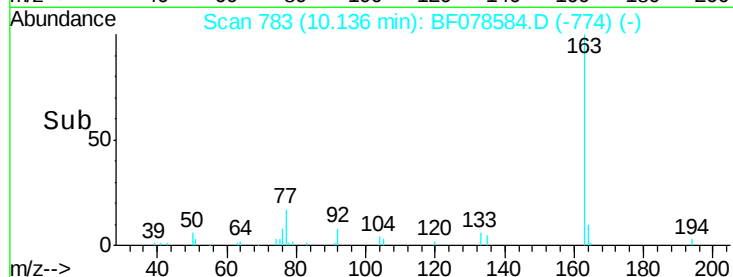
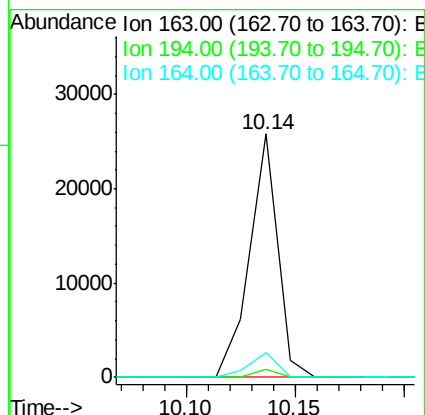
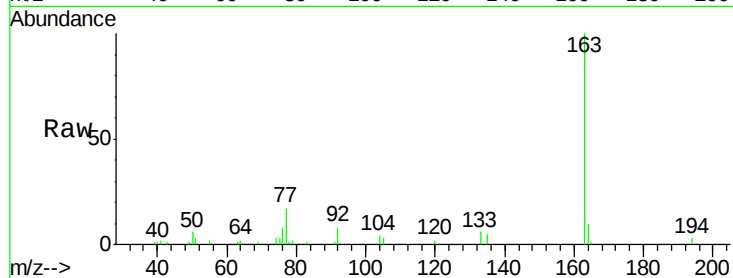




#49
Dimethylphthalate
Concen: 5.11 ng
RT: 10.14 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

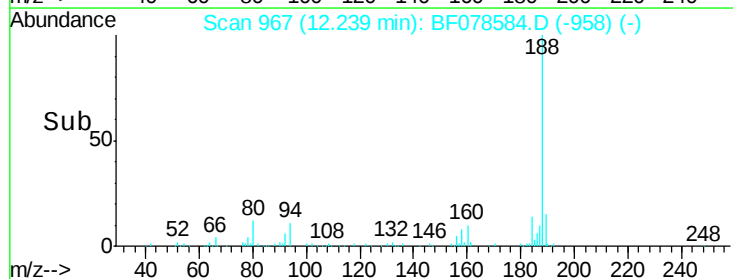
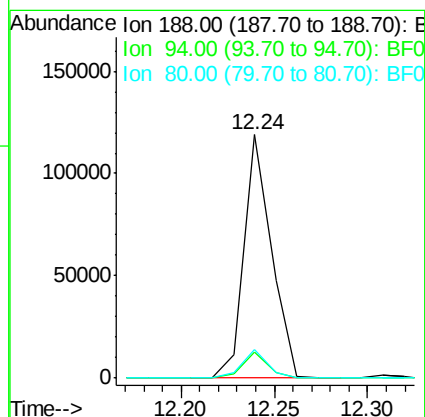
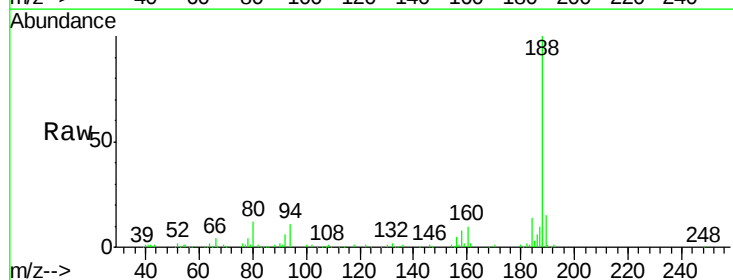
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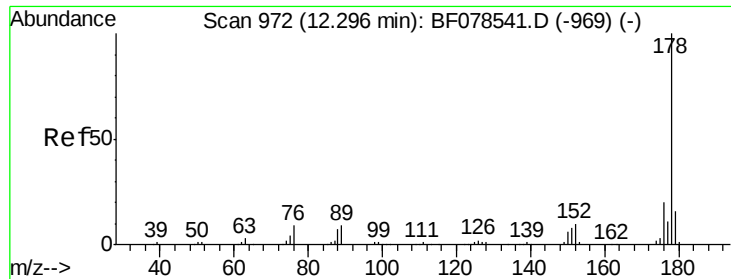
Tgt Ion:163 Resp: 23154
Ion Ratio Lower Upper
163 100
194 3.3 2.3 3.5
164 9.9 8.6 13.0



#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

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

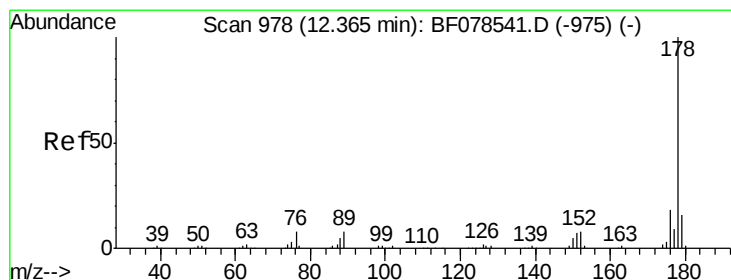
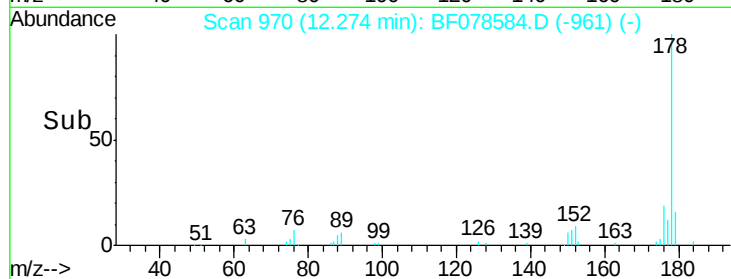
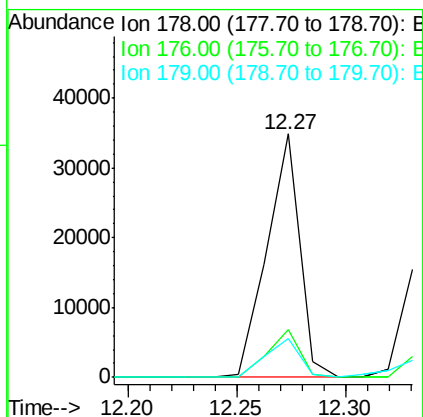
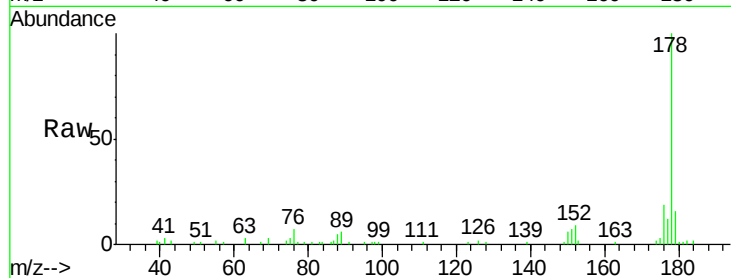




#70
 Phenanthrene
 Concen: 5.17 ng
 RT: 12.27 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

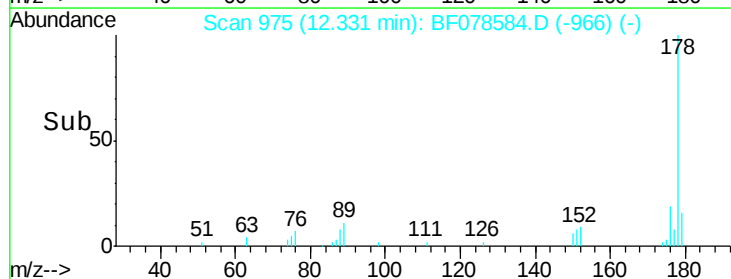
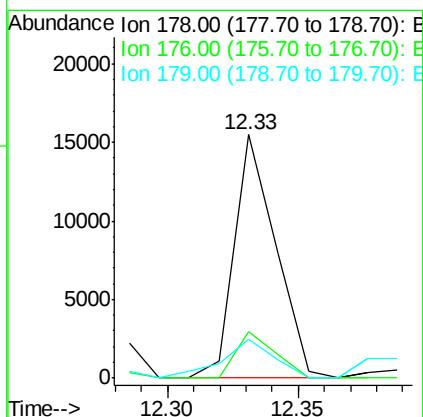
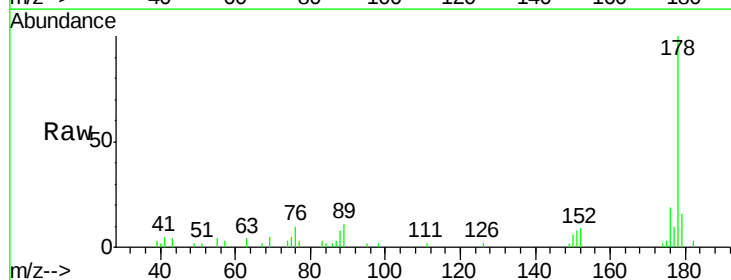
Instrument :
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 LS-SB05A(1-1.5)

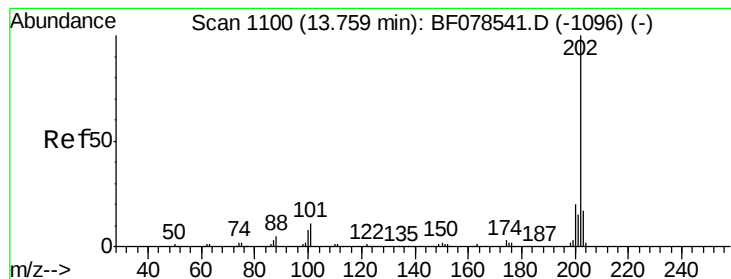
Tgt Ion:178 Resp: 36778
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 15.9 12.2 18.2



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

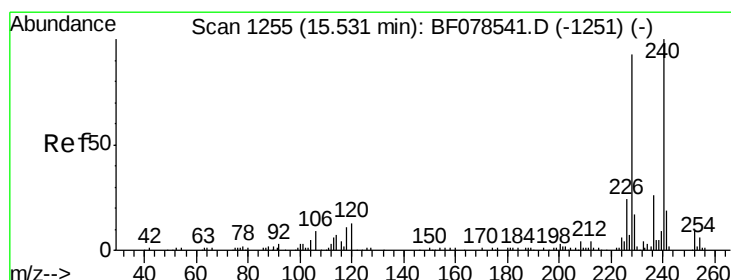
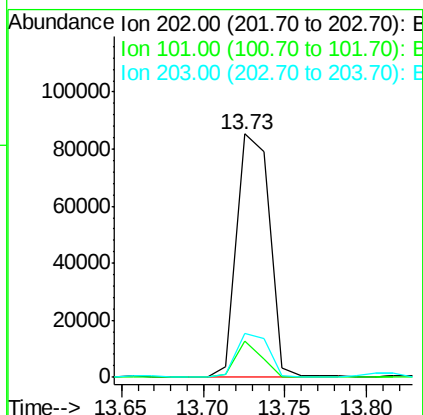
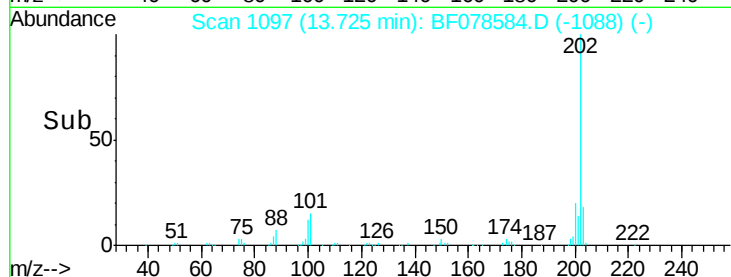
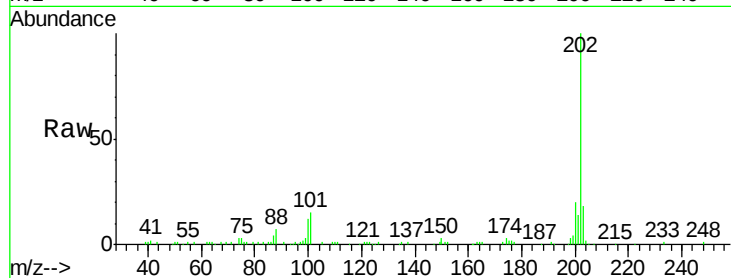
Tgt Ion:202 Resp: 118788

Ion Ratio Lower Upper

202 100

101 14.7 0.0 35.2

203 17.8 0.0 38.5



#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

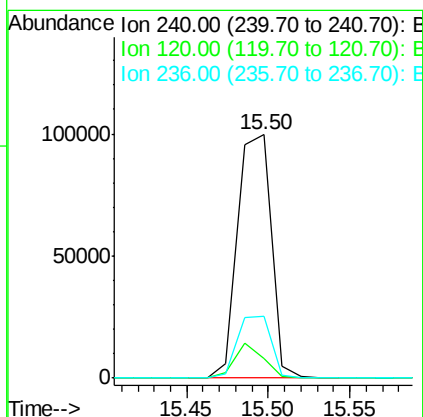
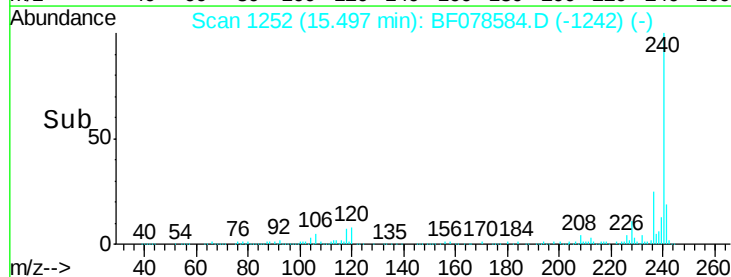
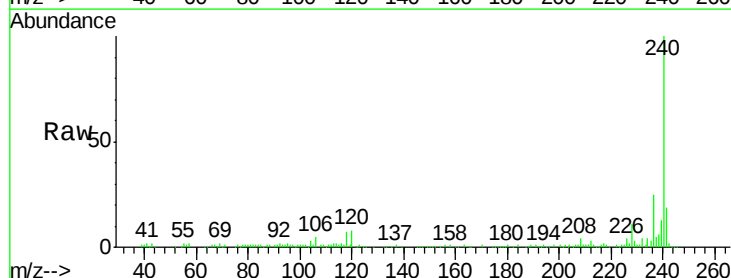
Tgt Ion:240 Resp: 142297

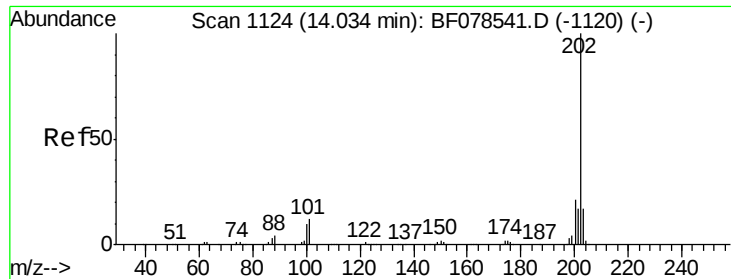
Ion Ratio Lower Upper

240 100

120 8.2 7.1 10.7

236 25.2 21.4 32.2

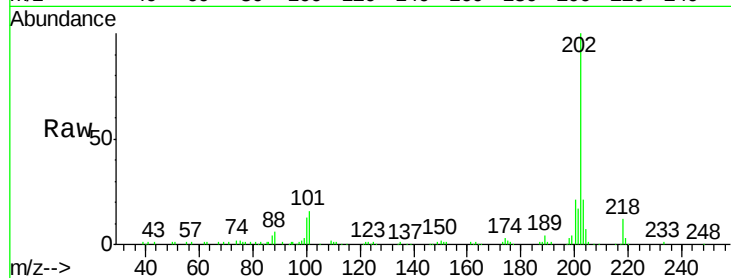




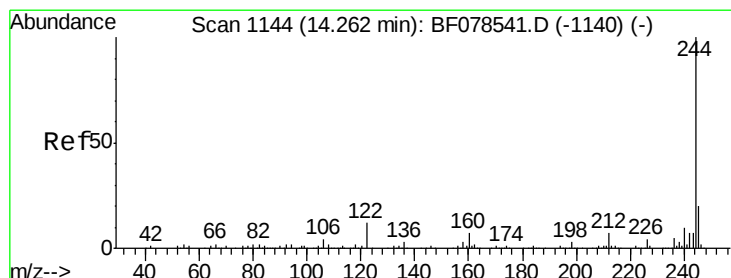
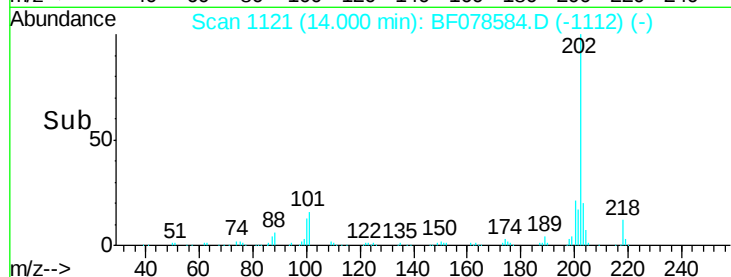
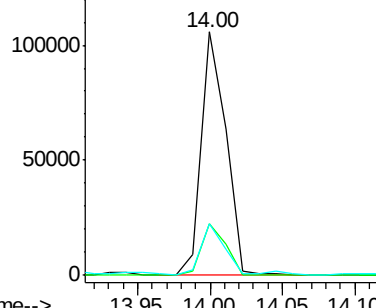
#77
 Pyrene
 Concen: 14.07 ng
 RT: 14.00 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.3	24.5
203	21.0	13.8	20.6

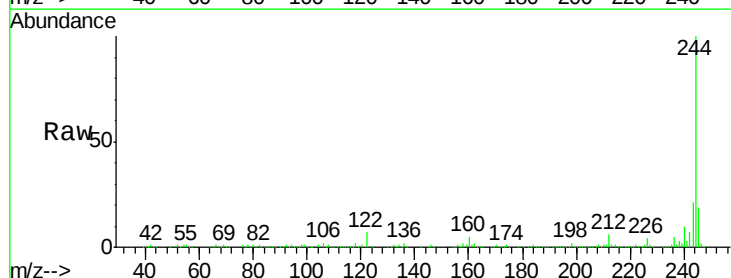


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

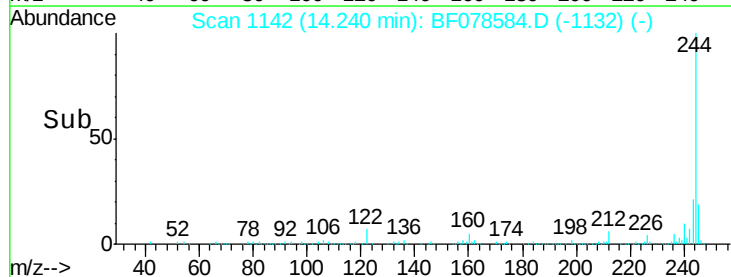
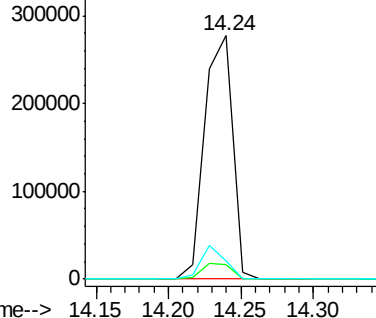


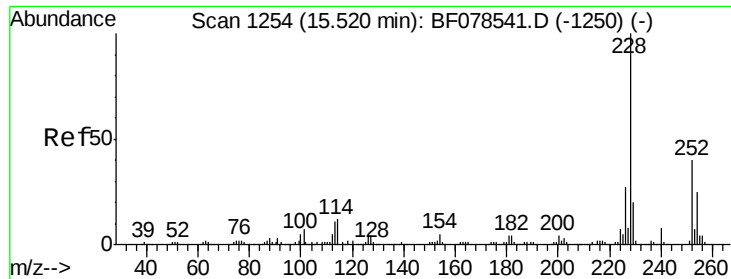
#78
 Terphenyl-d14
 Concen: 59.01 ng
 RT: 14.24 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

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

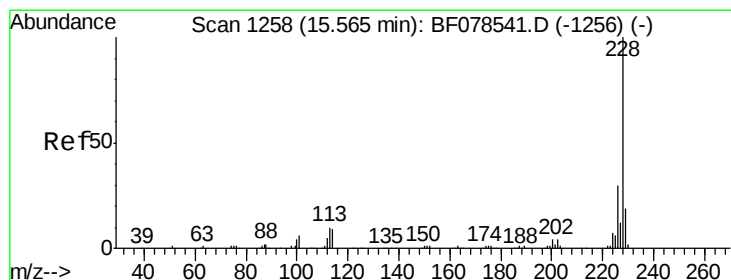
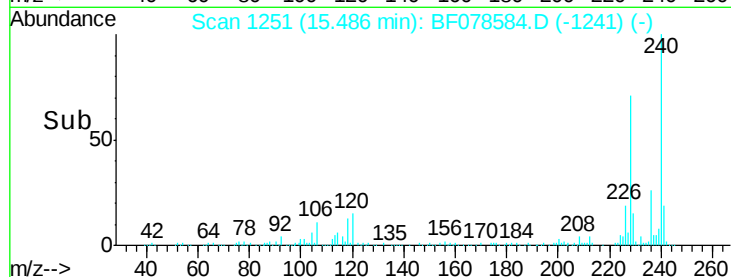
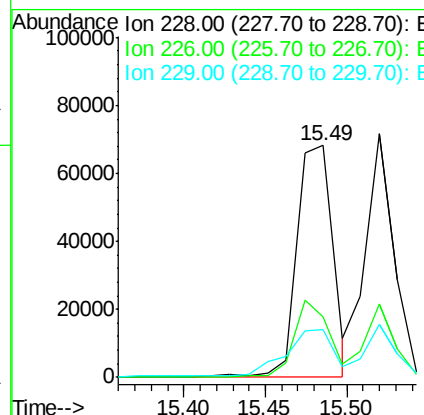
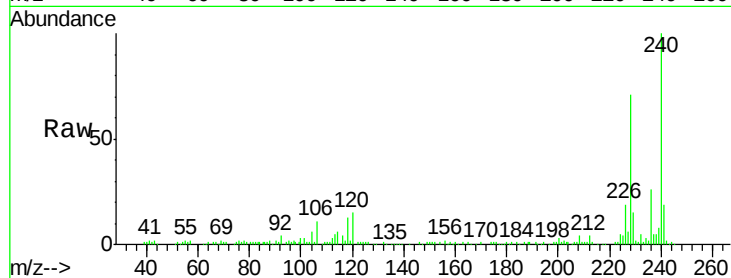




#80
Benzo(a)anthracene
Concen: 12.42 ng
RT: 15.49 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BF078584.D
Acq: 17 Apr 2015 00:06

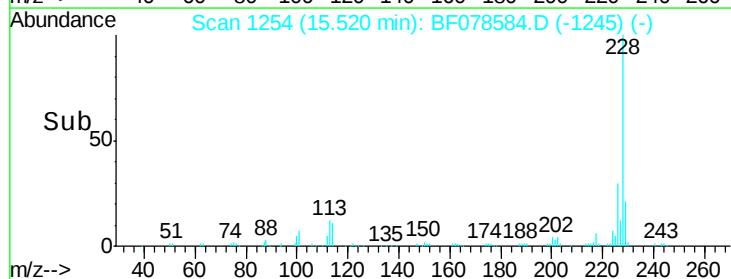
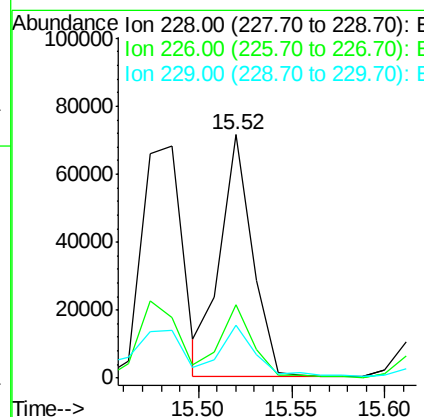
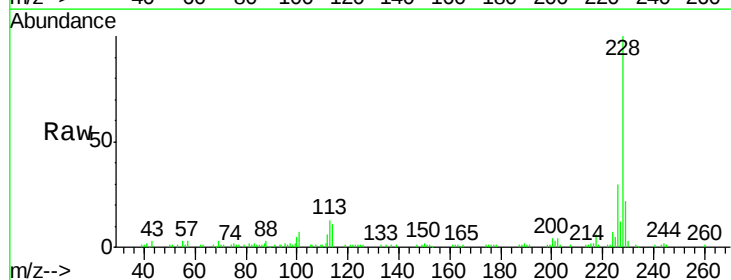
Instrument :
BNA_F
ClientSampleId :
LS-SB05A(1-1.5)

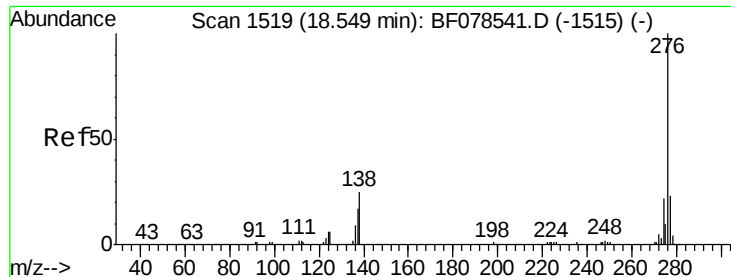
Tgt Ion:228 Resp: 105134
Ion Ratio Lower Upper
228 100
226 26.3 21.3 31.9
229 20.8 15.4 23.2



#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

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

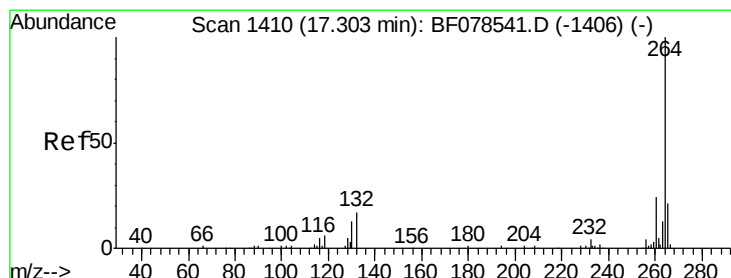
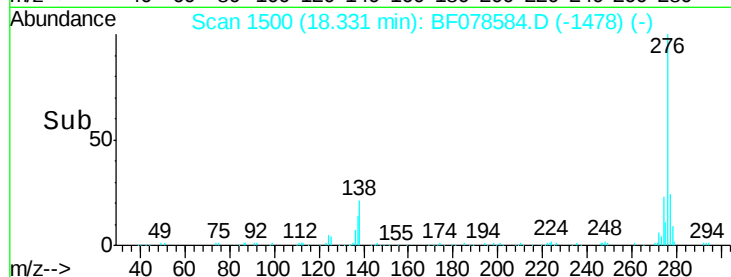
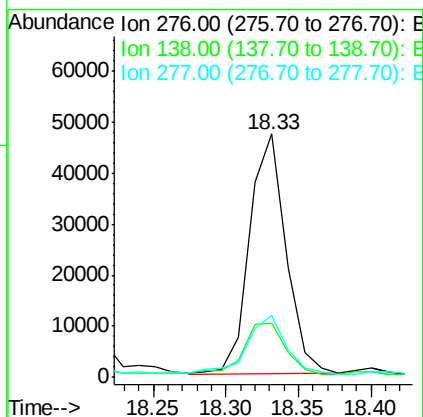
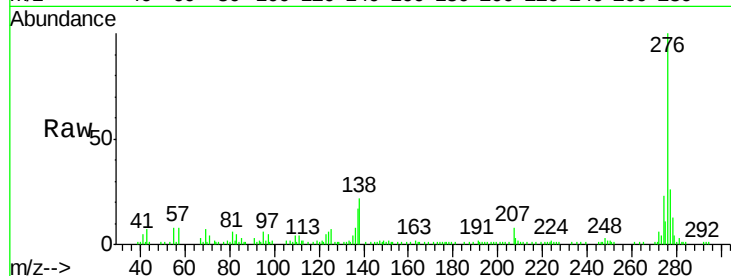




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.04 ng
 RT: 18.33 min Scan# 1500
 Delta R.T. -0.05 min
 Lab File: BF078584.D
 Acq: 17 Apr 2015 00:06

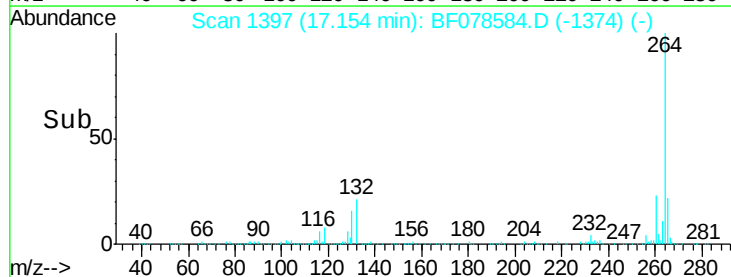
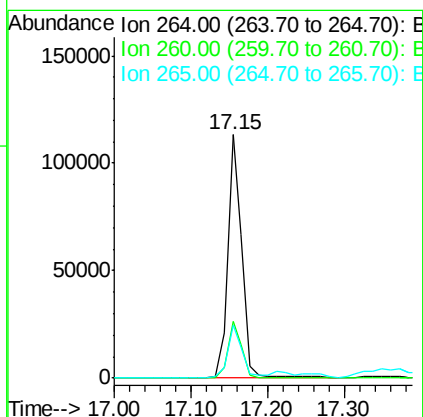
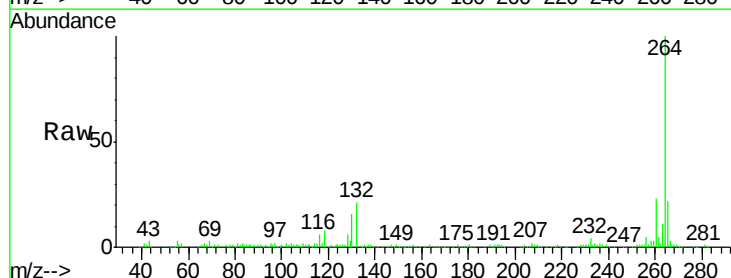
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB05A(1-1.5)

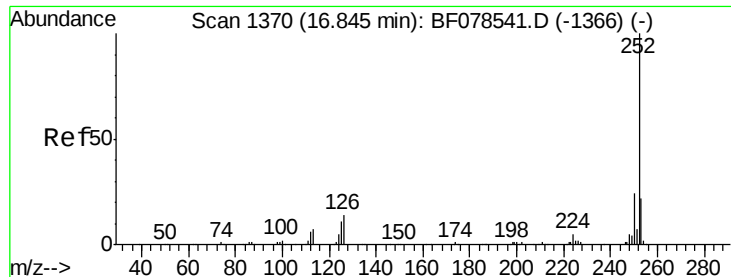
Tgt Ion: 276 Resp: 81584
 Ion Ratio Lower Upper
 276 100
 138 25.9 16.9 25.3#
 277 29.1 15.8 23.6#



#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

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





#87

Benzo(b)fluoranthene

Concen: 17.89 ng m

RT: 16.74 min Scan# 1361

Delta R.T. -0.01 min

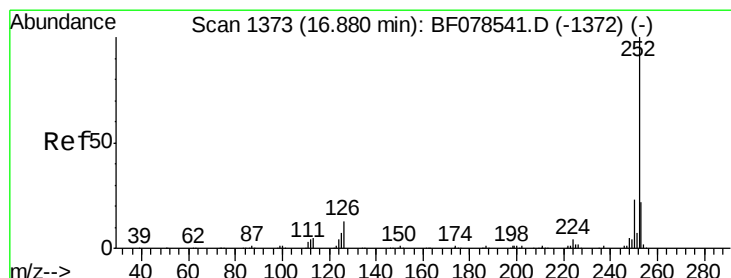
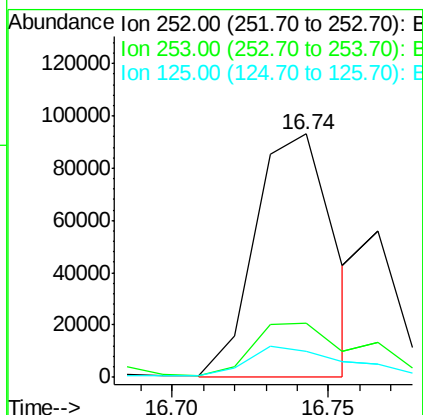
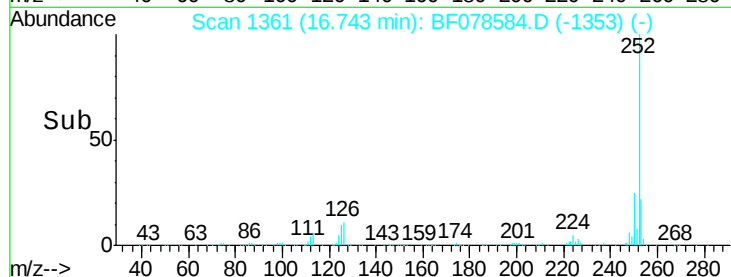
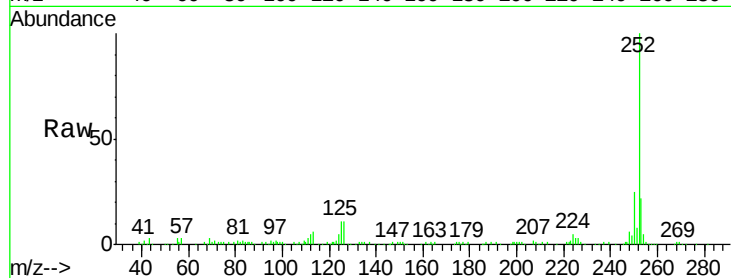
Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

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

Tgt Ion:252 Resp: 162590

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	10.9	7.0	10.4



#88

Benzo(k)fluoranthene

Concen: 5.81 ng m

RT: 16.77 min Scan# 1363

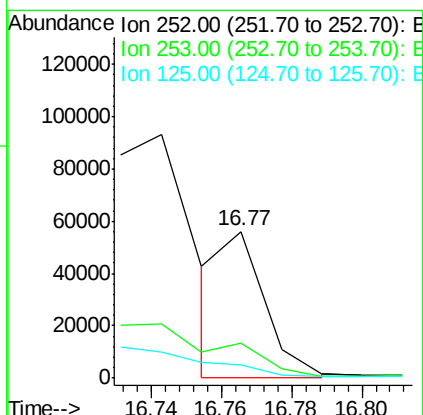
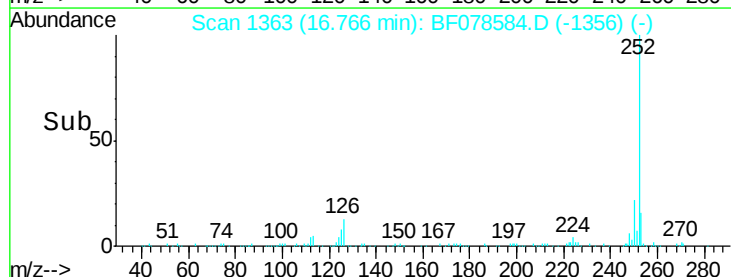
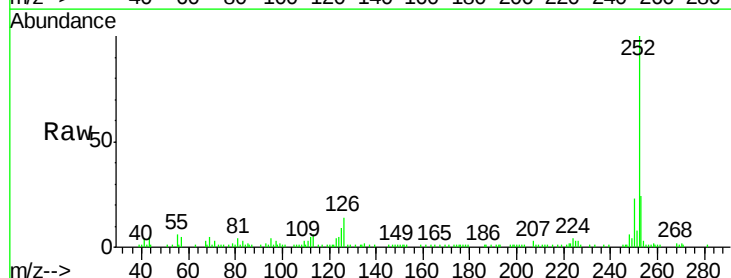
Delta R.T. -0.02 min

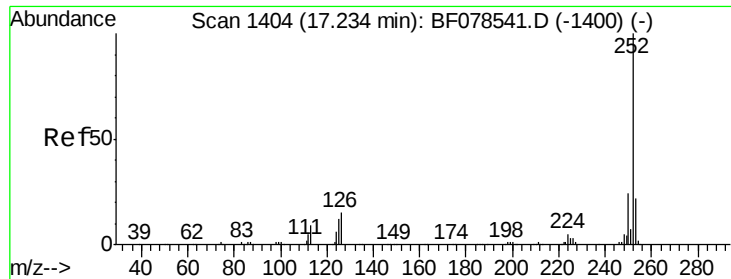
Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

Tgt Ion:252 Resp: 46880

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	9.4	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

Instrument :

BNA_F

ClientSampleId :

LS-SB05A(1-1.5)

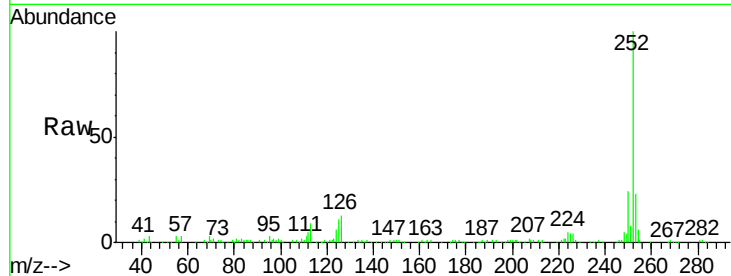
Tgt Ion:252 Resp: 125306

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

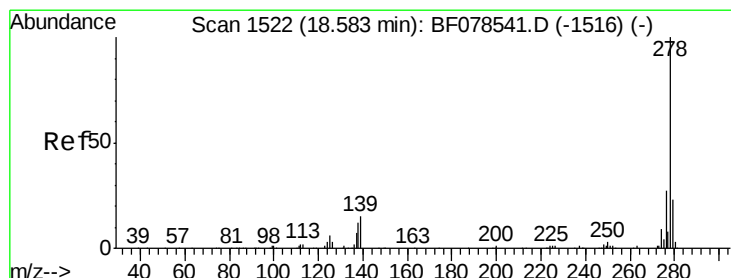
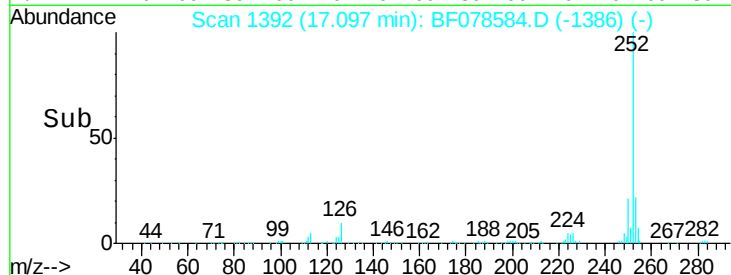
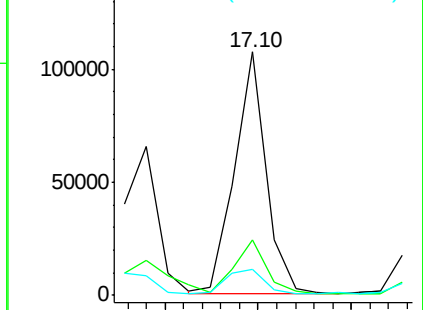
125 10.9 7.4 11.0



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



#90

Dibenzo(a,h)anthracene

Concen: 2.23 ng m

RT: 18.34 min Scan# 1501

Delta R.T. -0.07 min

Lab File: BF078584.D

Acq: 17 Apr 2015 00:06

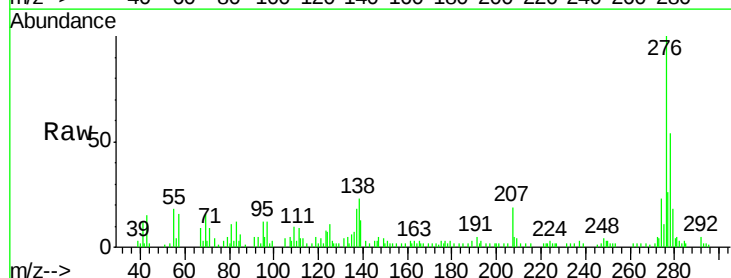
Tgt Ion:278 Resp: 17735

Ion Ratio Lower Upper

278 100

139 23.2 13.6 20.4#

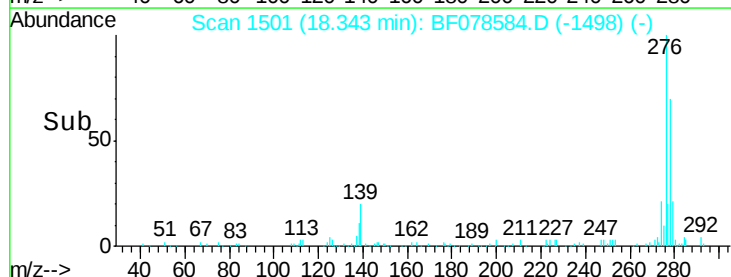
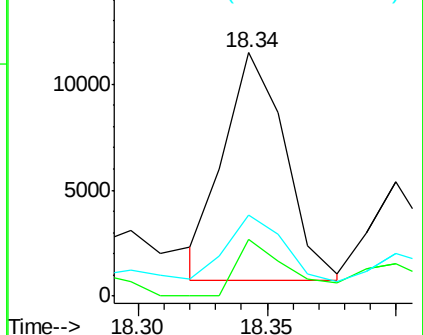
279 33.2 19.0 28.6#

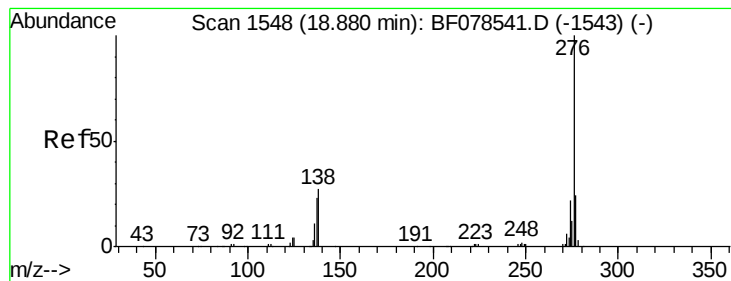


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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)

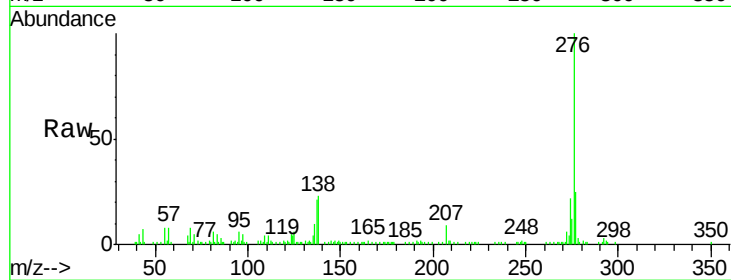
Tgt Ion: 276 Resp: 77935

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

