

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078581.D
 Acq On : 16 Apr 2015 22:40
 Operator : TP/IZ
 Sample : G1854-08 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB06A(1-1.5)

Quant Time: Apr 17 11:01:25 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

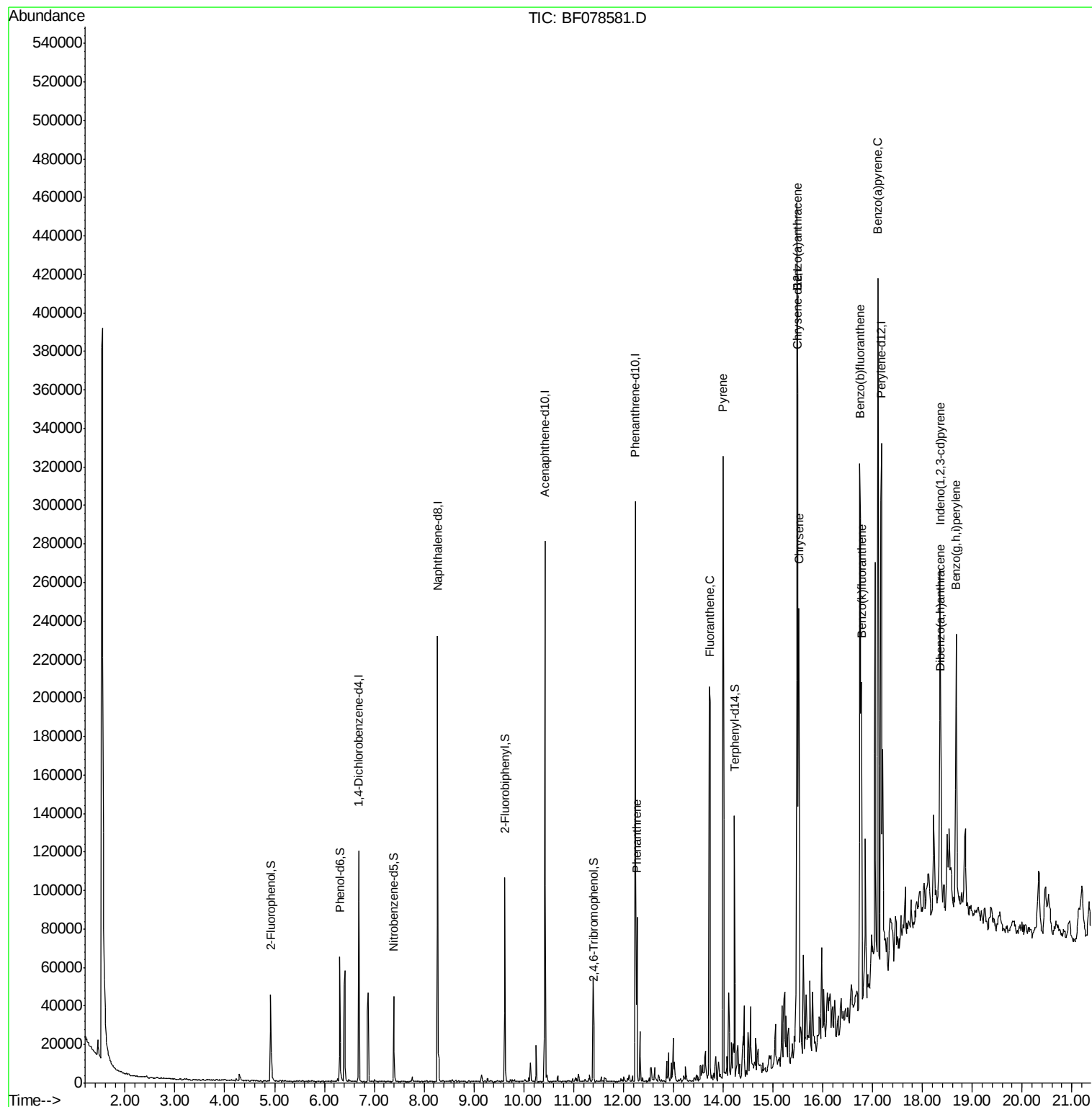
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	26653	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	116316	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	61254	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	125855	20.00	ng	0.00
75) Chrysene-d12	15.50	240	145179	20.00	ng	0.01
86) Perylene-d12	17.18	264	147269	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	21107	13.06	ng	0.02
7) Phenol-d6	6.31	99	29322	14.47	ng	0.01
23) Nitrobenzene-d5	7.39	82	16792	8.75	ng	0.00
41) 2,4,6-Tribromophenol	11.40	330	7283	14.34	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	38211	8.92	ng	0.00
78) Terphenyl-d14	14.23	244	50264	7.82	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.27	178	39551	5.43	ng	98
74) Fluoranthene	13.74	202	132424	17.25	ng	89
77) Pyrene	14.00	202	137911	15.13	ng	# 95
80) Benzo(a)anthracene	15.49	228	122014	14.13	ng	97
82) Chrysene	15.52	228	102832m	12.67	ng	
85) Indeno(1,2,3-cd)pyrene	18.35	276	100877	10.95	ng	# 86
87) Benzo(b)fluoranthene	16.74	252	196080m	21.54	ng	
88) Benzo(k)fluoranthene	16.78	252	55431m	6.85	ng	
89) Benzo(a)pyrene	17.11	252	153823	19.37	ng	# 94
90) Dibenzo(a,h)anthracene	18.37	278	22395m	2.82	ng	
91) Benzo(g,h,i)perylene	18.67	276	92625	11.62	ng	97

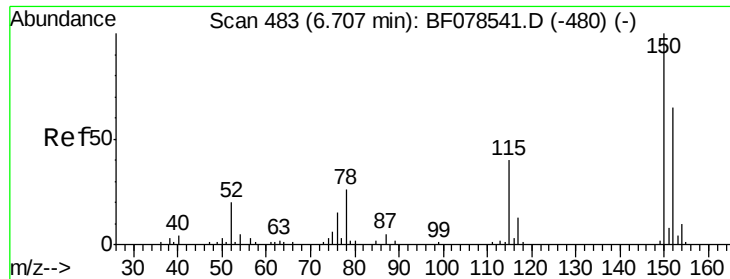
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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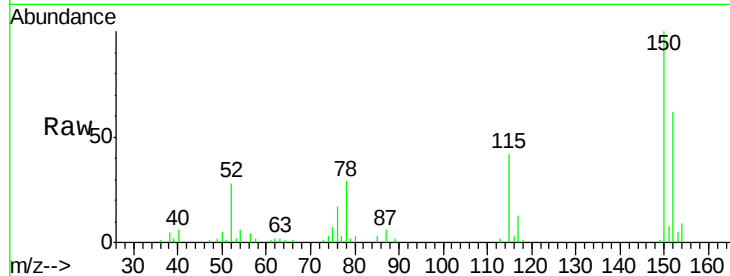


#1

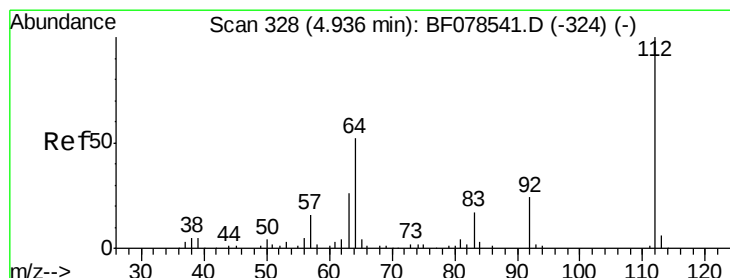
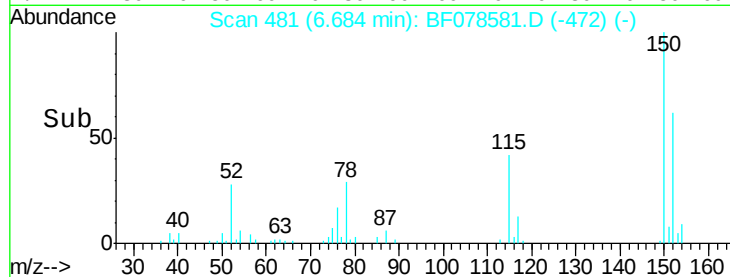
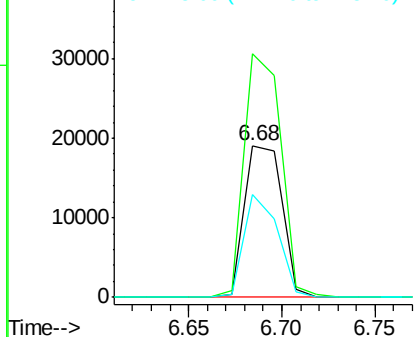
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. -0.00 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

Instrument :
BNA_F
ClientSampleId :
LS-SB06A(1-1.5)

Tgt Ion:152 Resp: 26653
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 67.6 52.7 79.1



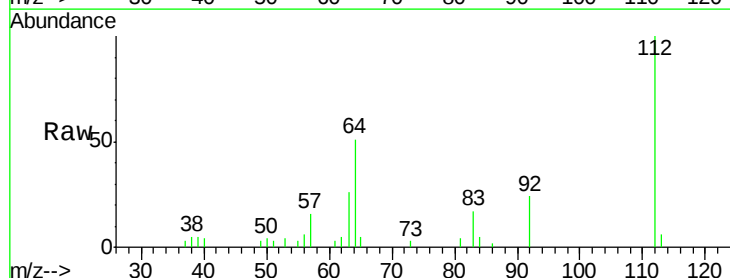
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



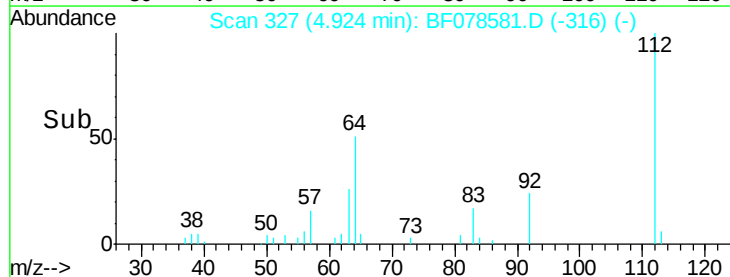
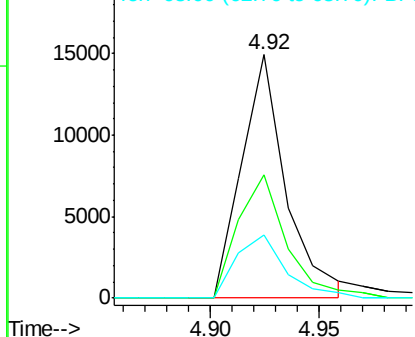
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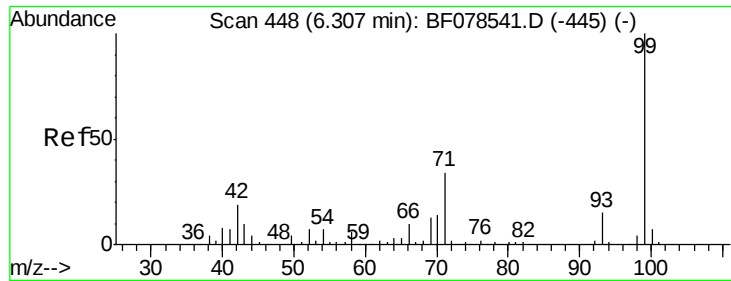
2-Fluorophenol
Concen: 13.06 ng
RT: 4.92 min Scan# 327
Delta R.T. 0.02 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

Tgt Ion:112 Resp: 21107
Ion Ratio Lower Upper
112 100
64 50.9 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: 14.47 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

Instrument :

BNA_F

ClientSampleId :

LS-SB06A(1-1.5)

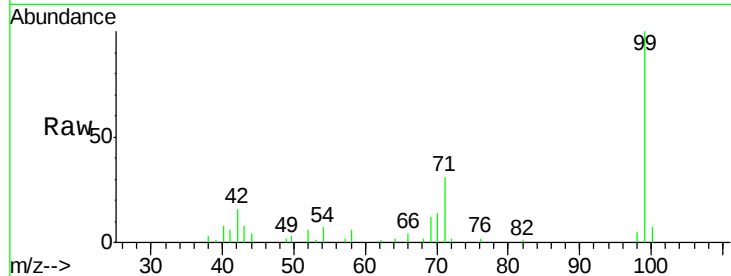
Tgt Ion: 99 Resp: 29322

Ion Ratio Lower Upper

99 100

42 16.2 14.8 22.2

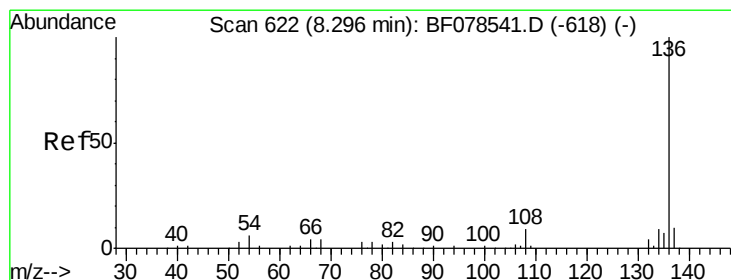
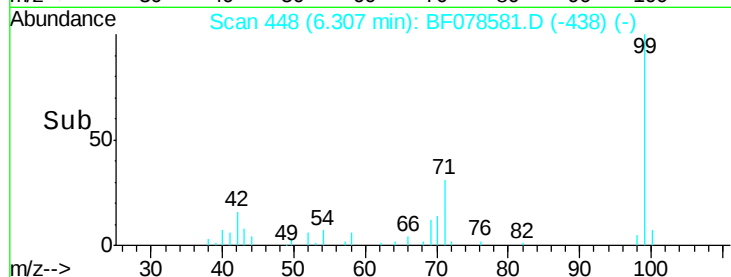
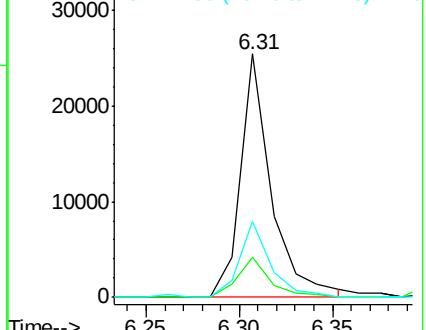
71 31.3 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

Tgt Ion: 136 Resp: 116316

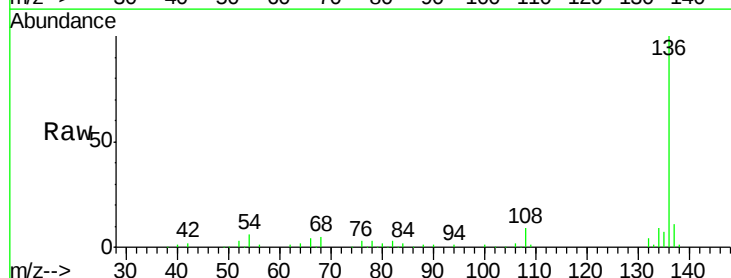
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.9 7.0 10.6#

68 4.8 5.4 8.2#

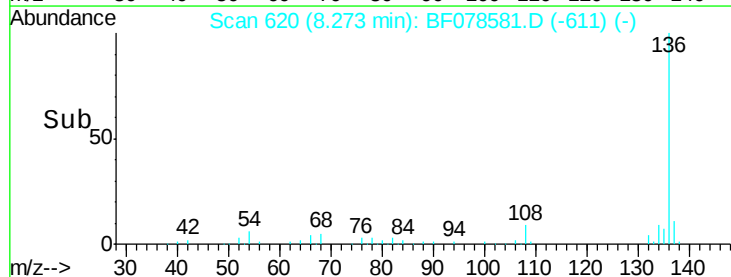
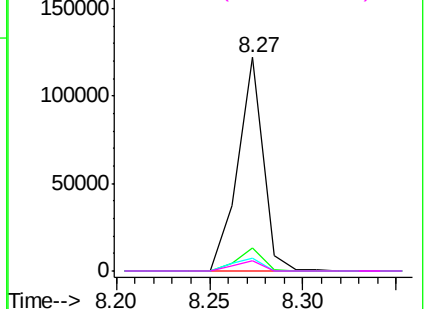


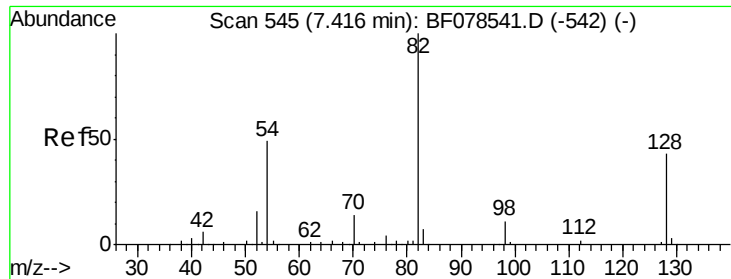
Abundance Ion 136.00 (135.70 to 136.70): E

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

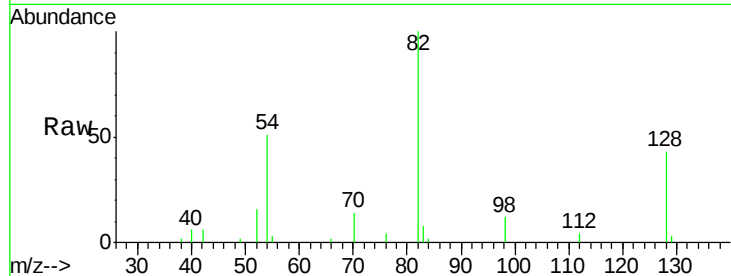




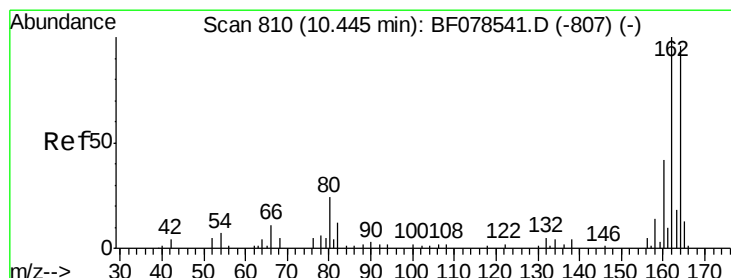
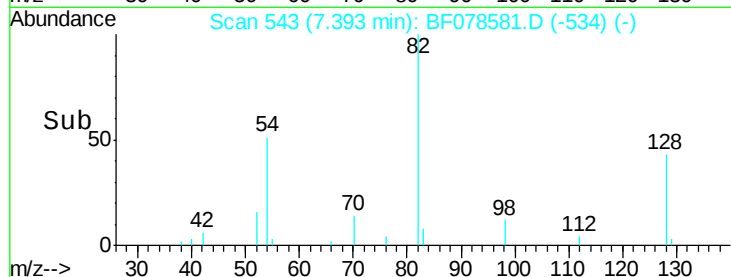
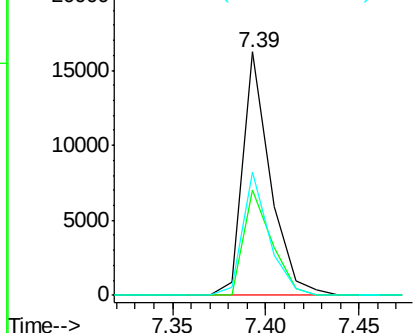
#23
 Nitrobenzene-d5
 Concen: 8.75 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB06A(1-1.5)

Tgt Ion: 82 Resp: 16792
 Ion Ratio Lower Upper
 82 100
 128 43.0 31.8 47.8
 54 50.8 41.5 62.3

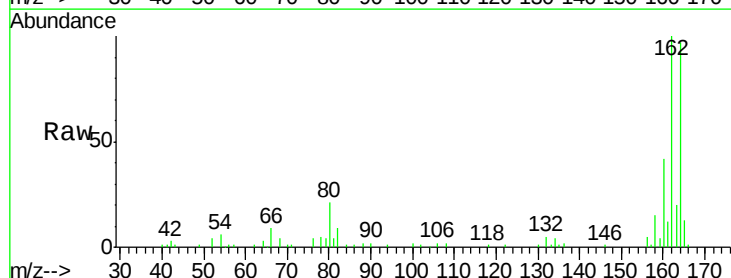


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

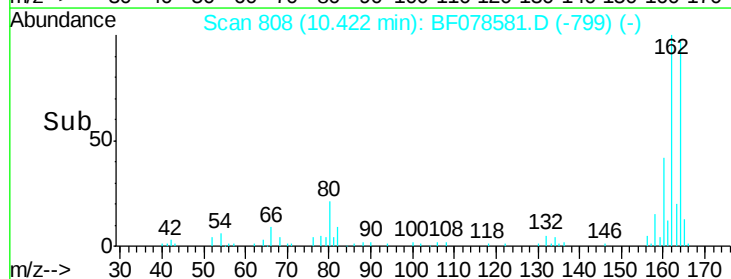
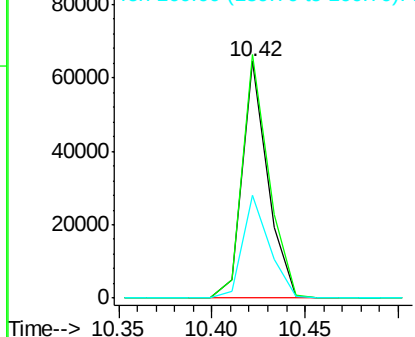


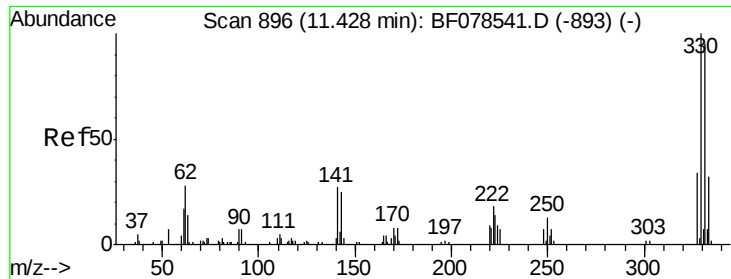
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Tgt Ion: 164 Resp: 61254
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.2 123.2
 160 43.5 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

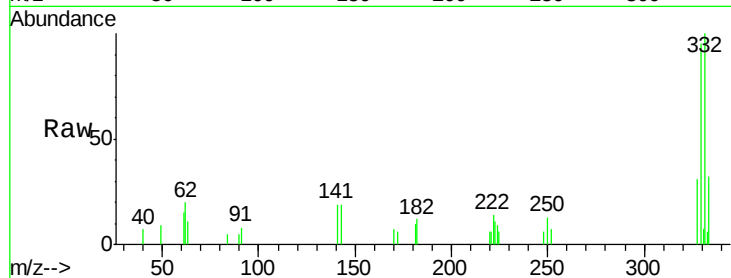




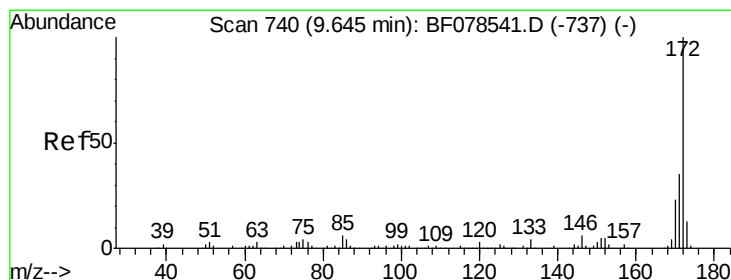
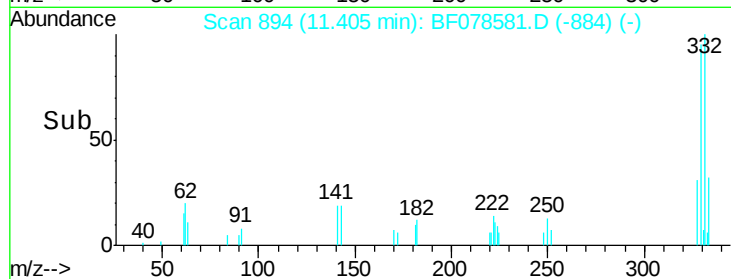
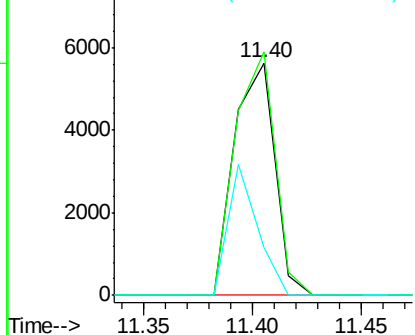
#41
 2,4,6-Tribromophenol
 Concen: 14.34 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB06A(1-1.5)

Tgt Ion:330 Resp: 7283
 Ion Ratio Lower Upper
 330 100
 332 103.0 78.6 117.8
 141 40.7 31.2 46.8

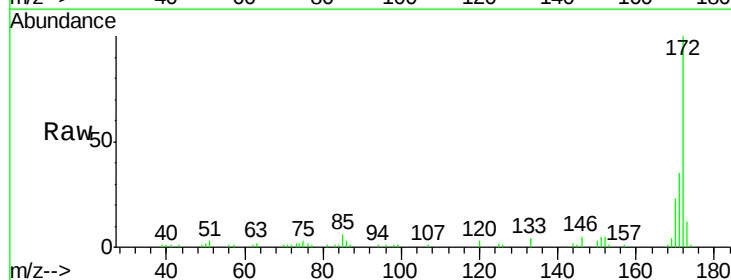


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

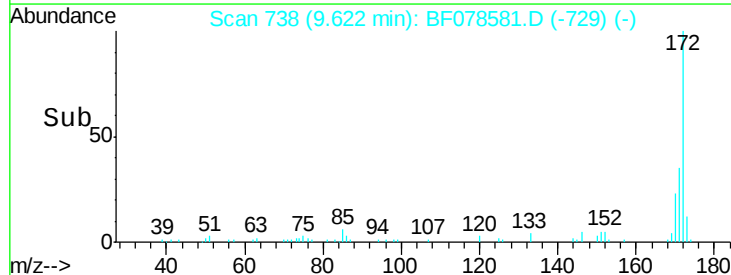
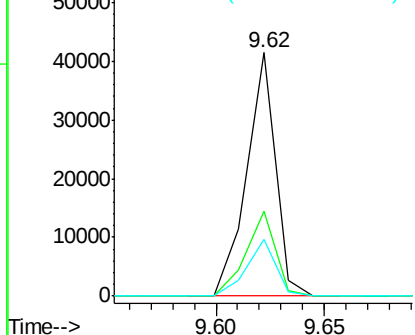


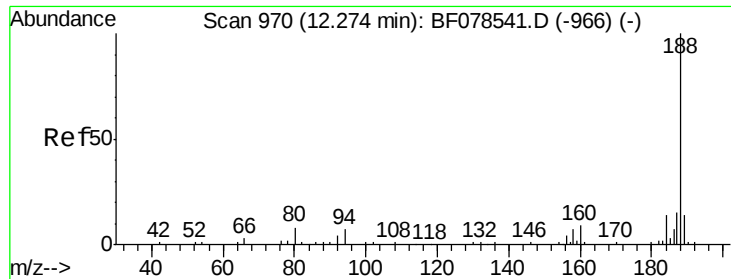
#44
 2-Fluorobiphenyl
 Concen: 8.92 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Tgt Ion:172 Resp: 38211
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 23.2 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

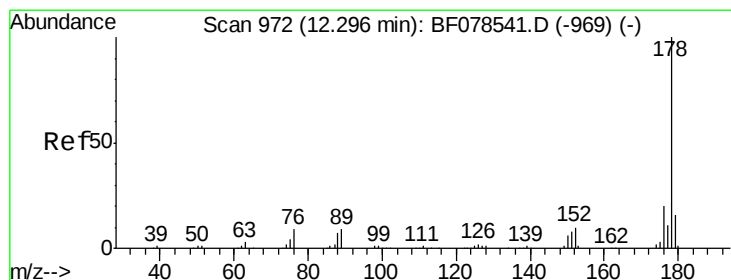
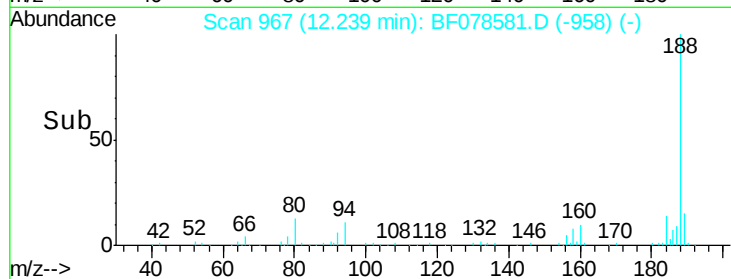
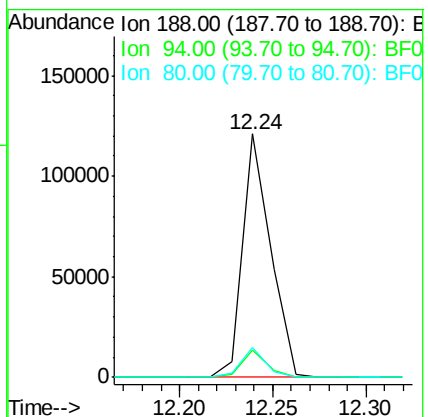
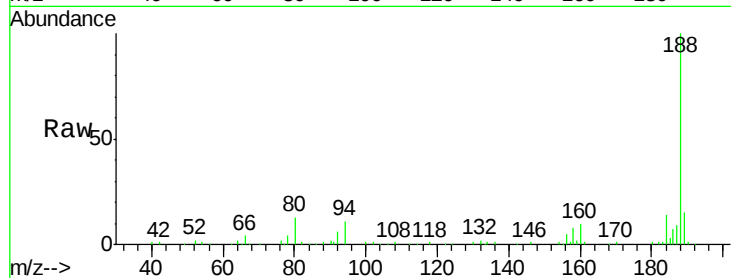




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

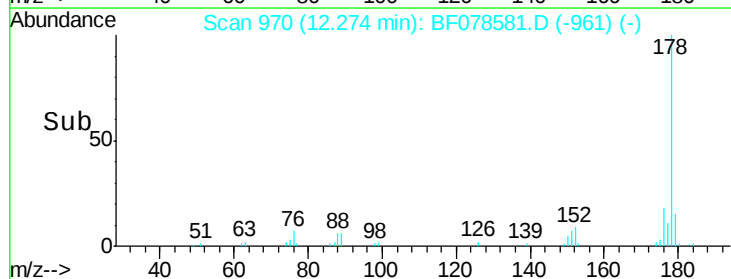
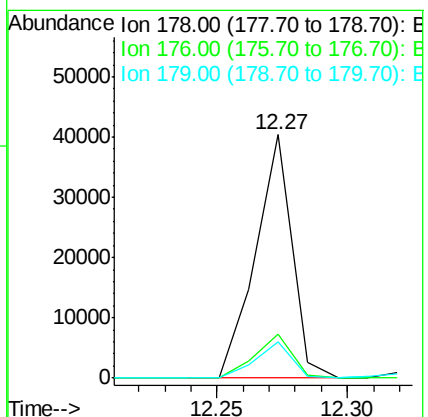
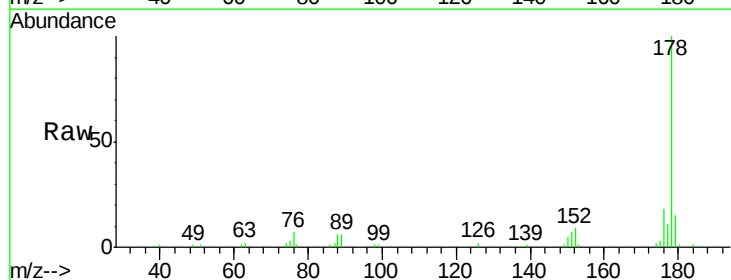
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LS-SB06A(1-1.5)

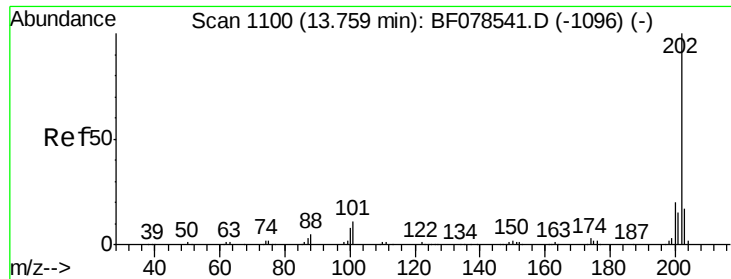
Tgt Ion:188 Resp: 125855
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.4
80 12.5 9.5 14.3



#70
Phenanthrene
Concen: 5.43 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

Tgt Ion:178 Resp: 39551
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 14.9 12.2 18.2

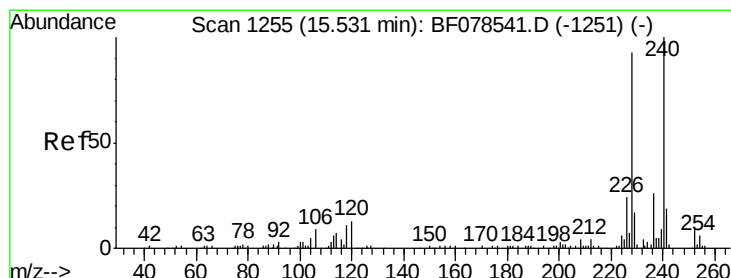
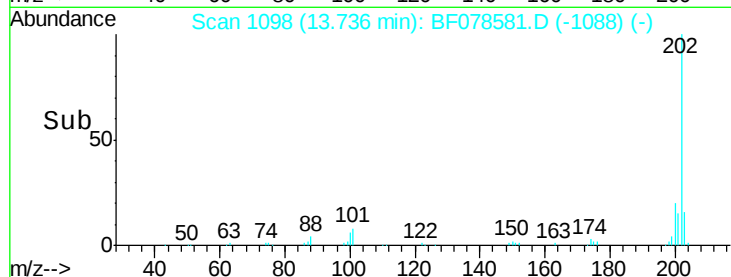
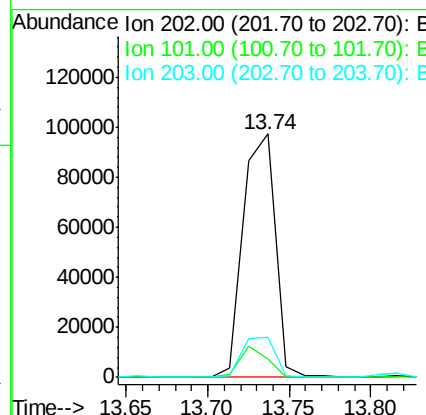
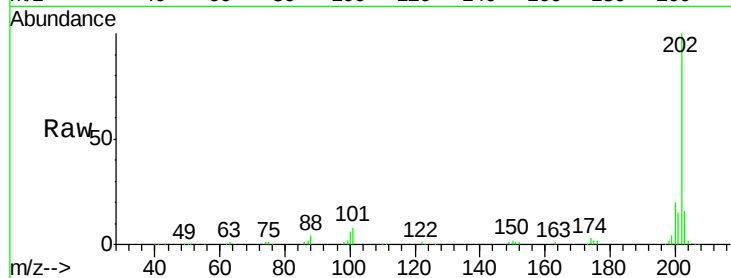




#74
 Fluoranthene
 Concen: 17.25 ng
 RT: 13.74 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

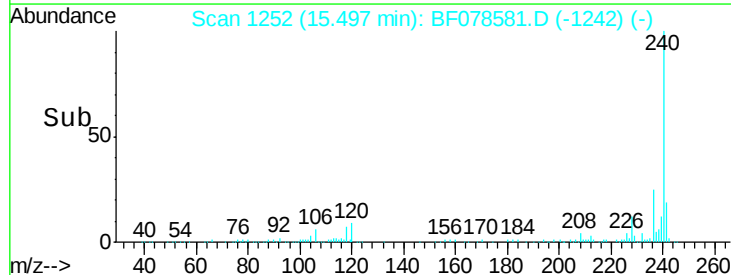
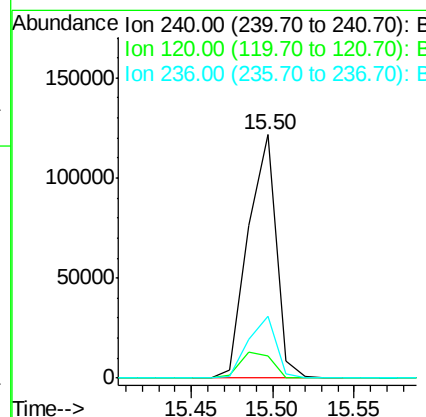
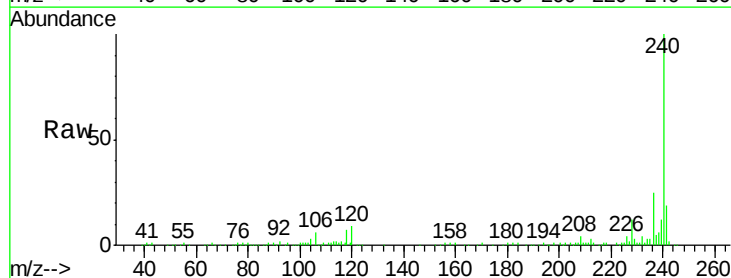
Instrument :
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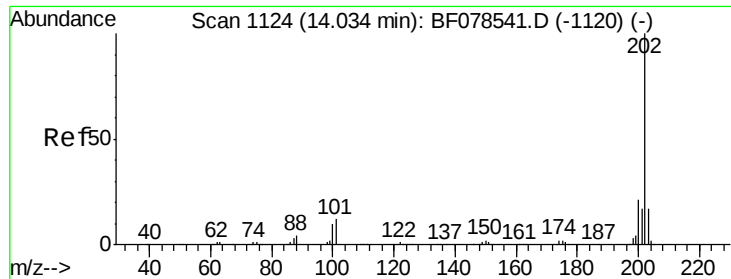
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	35.2
203	16.2	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.1	10.7
236	25.2	21.4	32.2





#77

Pyrene

Concen: 15.13 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

Instrument :

BNA_F

ClientSampleId :

LS-SB06A(1-1.5)

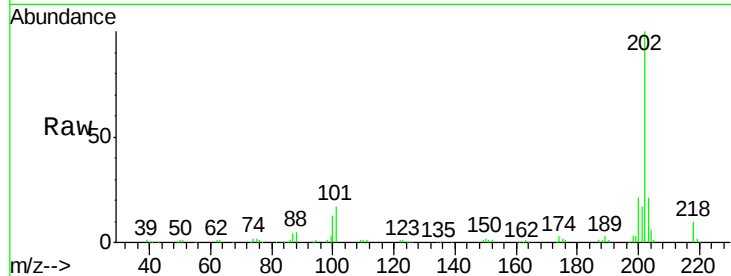
Tgt Ion: 202 Resp: 137911

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

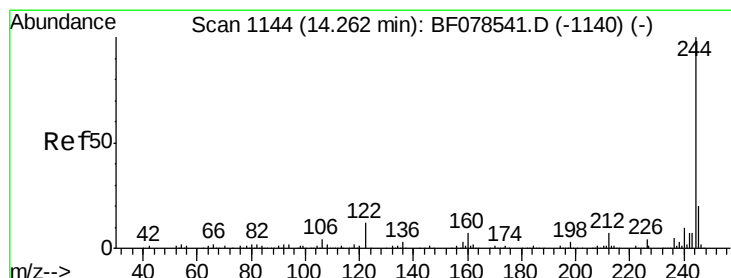
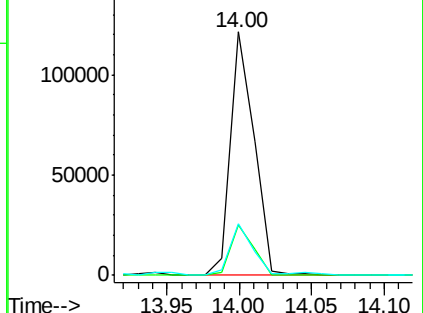
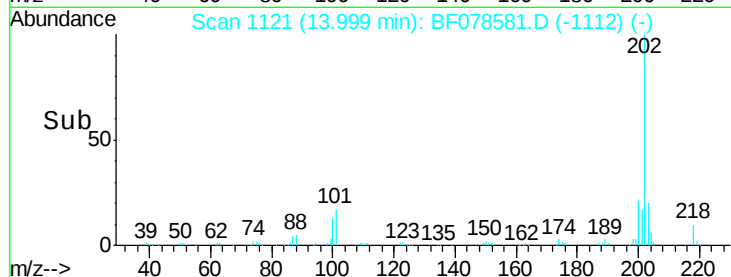
203 21.1 13.8 20.6#



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: 7.82 ng

RT: 14.23 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

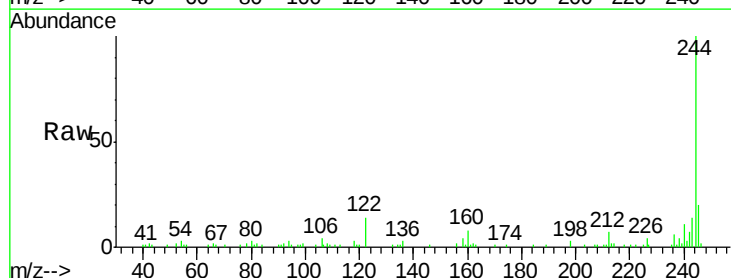
Tgt Ion: 244 Resp: 50264

Ion Ratio Lower Upper

244 100

212 7.1 5.0 7.4

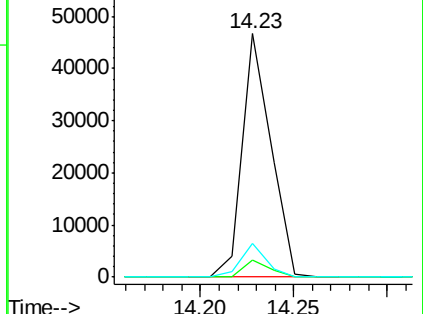
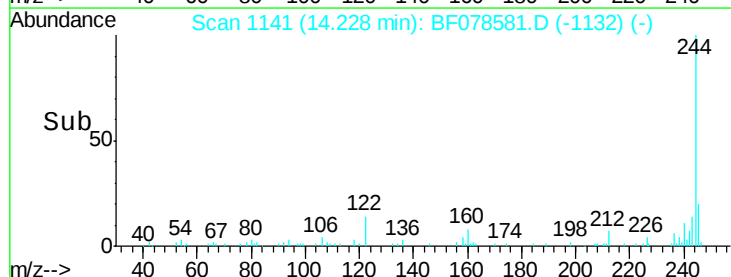
122 13.7 7.1 10.7#

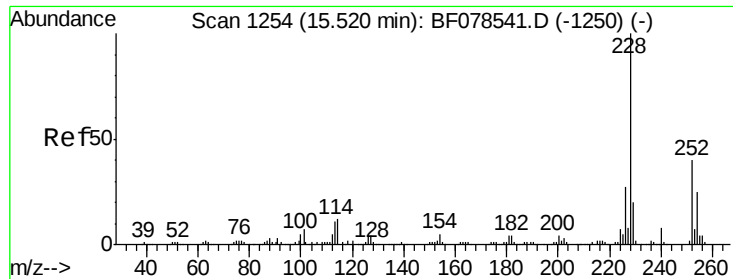


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.13 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

Instrument :

BNA_F

ClientSampleId :

LS-SB06A(1-1.5)

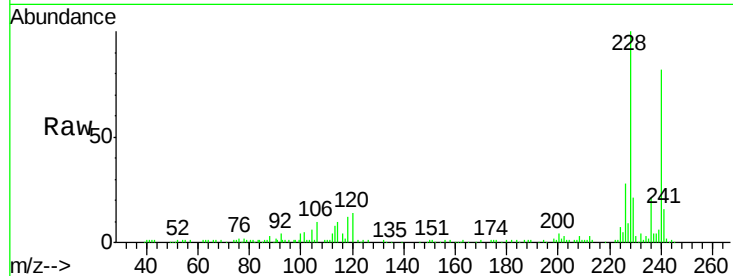
Tgt Ion:228 Resp: 122014

Ion Ratio Lower Upper

228 100

226 28.0 21.3 31.9

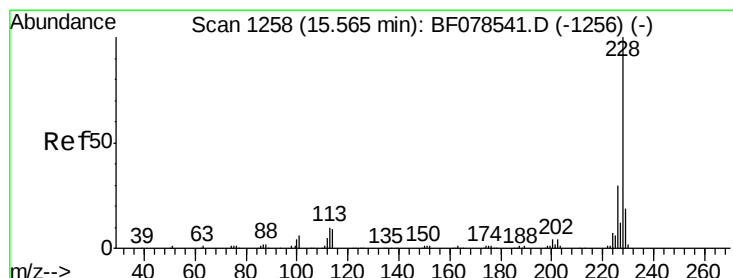
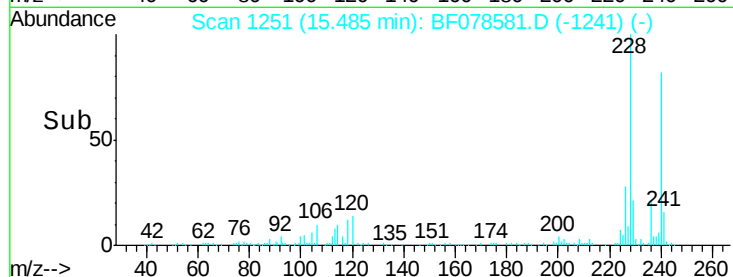
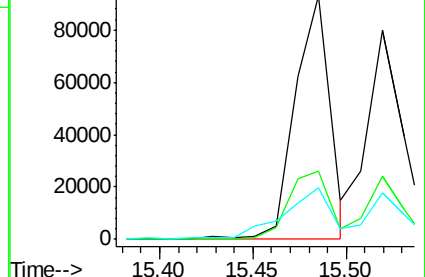
229 21.0 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 12.67 ng m

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

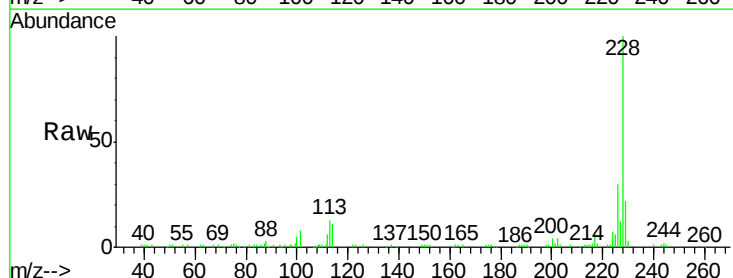
Tgt Ion:228 Resp: 102832

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

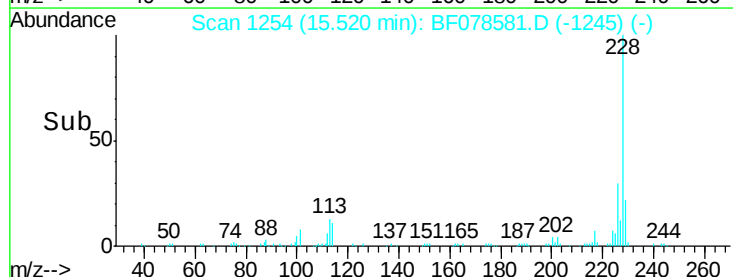
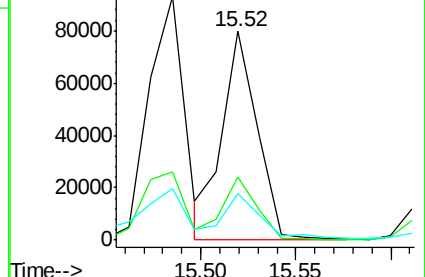
229 22.4 15.8 23.8

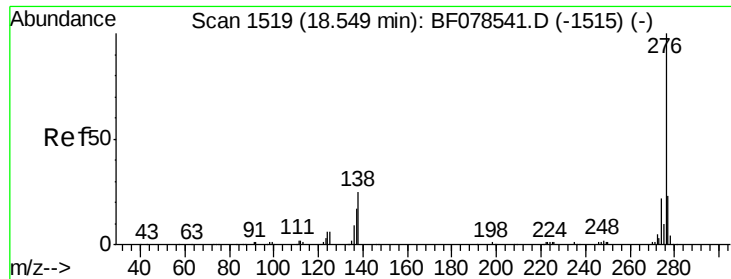


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

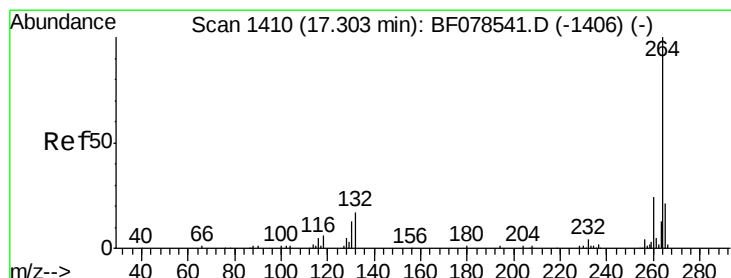
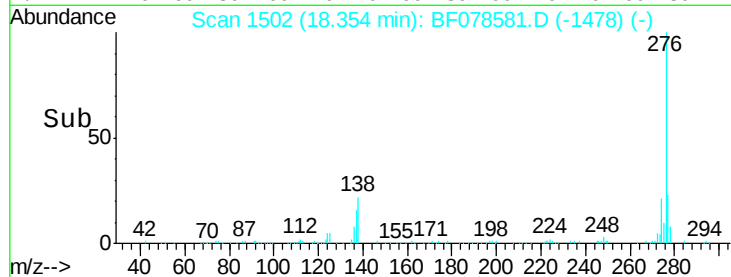
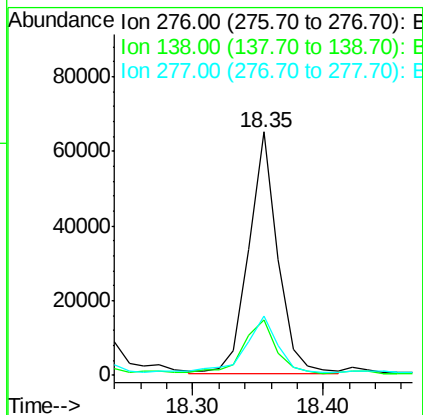
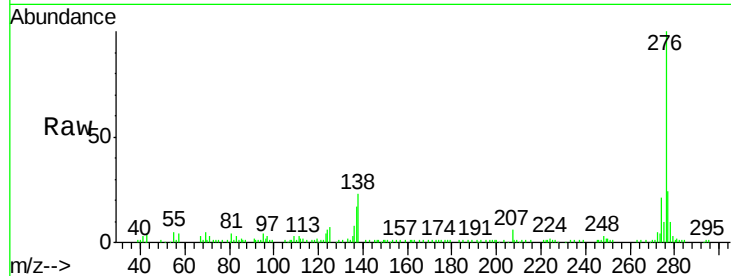




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.95 ng
 RT: 18.35 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

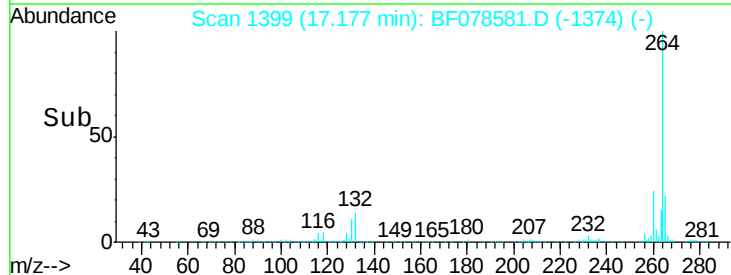
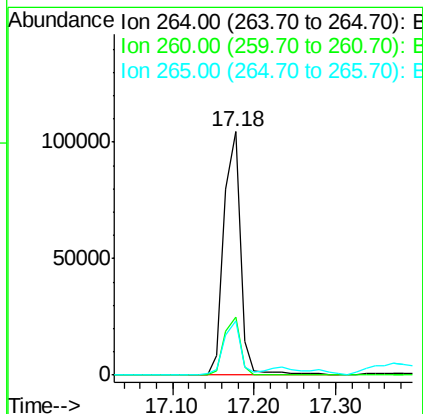
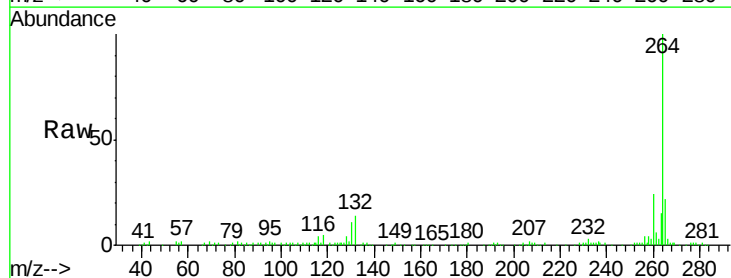
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB06A(1-1.5)

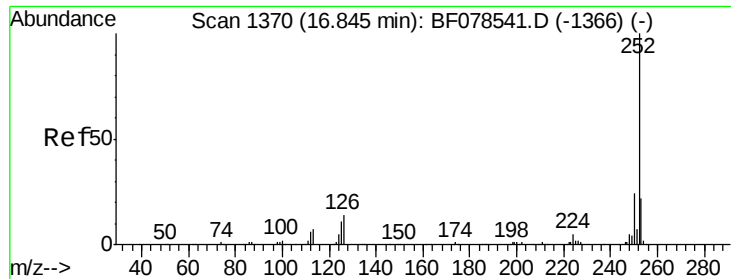
Tgt Ion: 276 Resp: 100877
 Ion Ratio Lower Upper
 276 100
 138 26.0 16.9 25.3#
 277 28.0 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.18 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Tgt Ion: 264 Resp: 147269
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 22.0 17.0 25.6

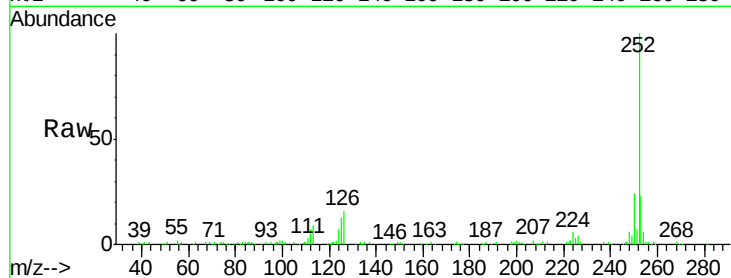




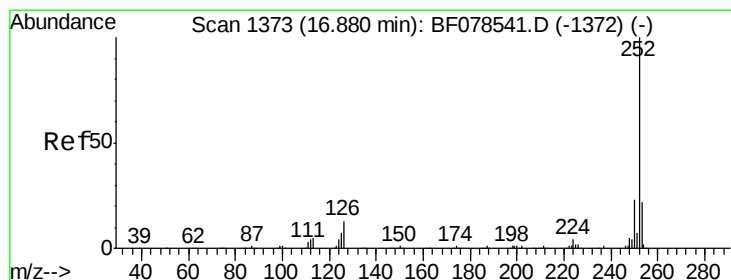
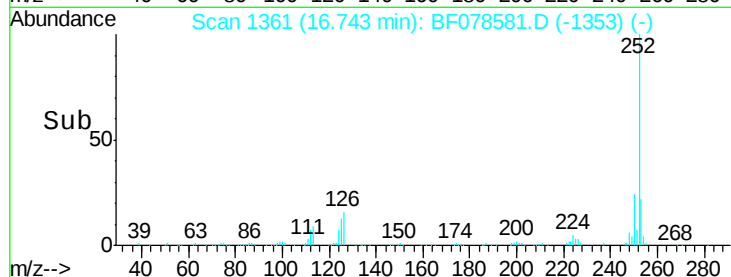
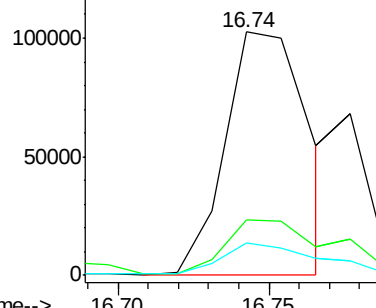
#87
Benzo(b)fluoranthene
Concen: 21.54 ng m
RT: 16.74 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

Instrument :
BNA_F
ClientSampleId :
LS-SB06A(1-1.5)

Tgt Ion:252 Resp: 196080
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 13.3 7.0 10.4#

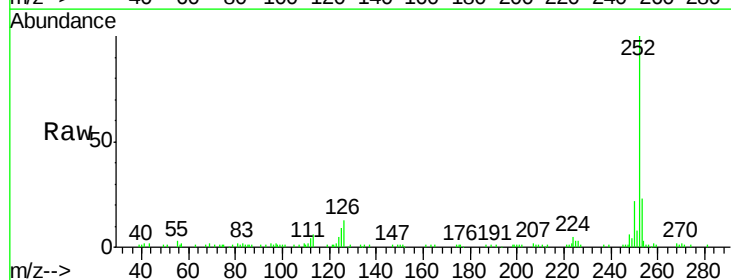


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

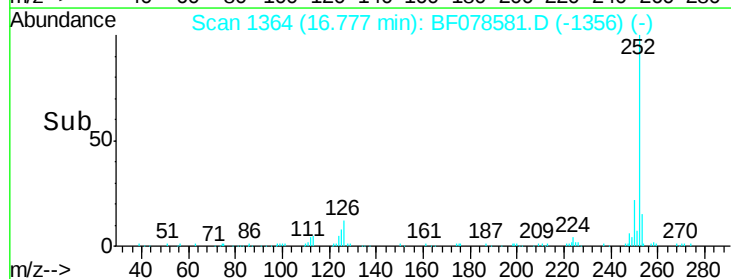
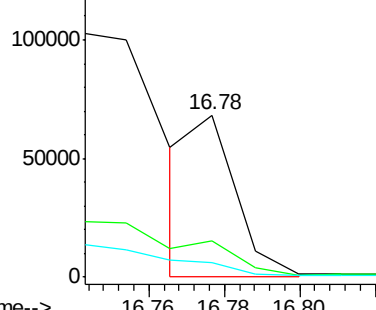


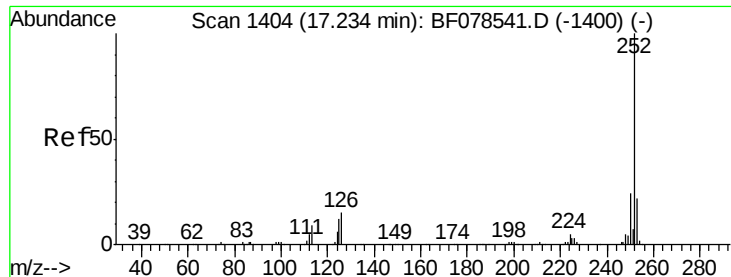
#88
Benzo(k)fluoranthene
Concen: 6.85 ng m
RT: 16.78 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF078581.D
Acq: 16 Apr 2015 22:40

Tgt Ion:252 Resp: 55431
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.7 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: 19.37 ng

RT: 17.11 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

Instrument :

BNA_F

ClientSampleId :

LS-SB06A(1-1.5)

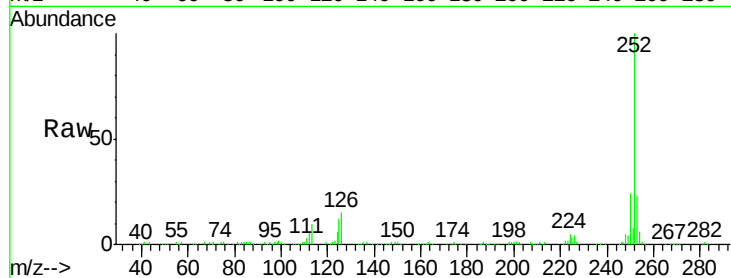
Tgt Ion:252 Resp: 153823

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

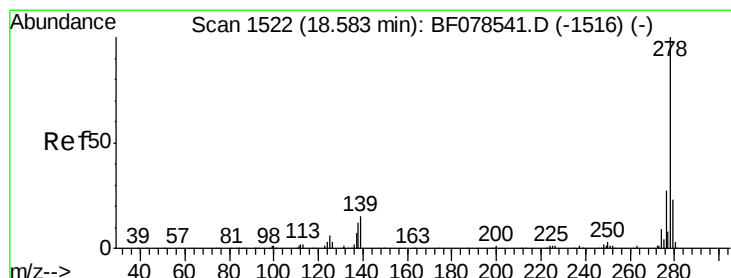
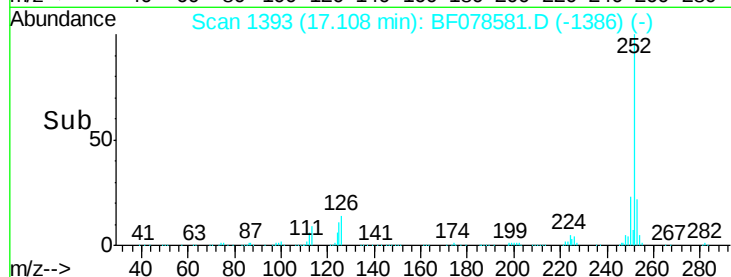
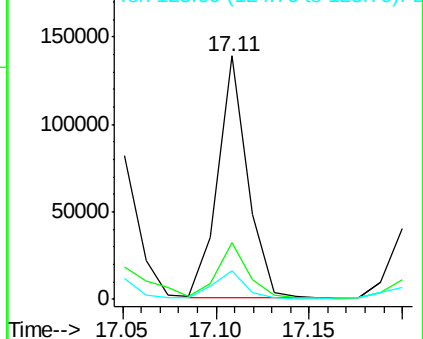
125 11.6 7.4 11.0#



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: 2.82 ng m

RT: 18.37 min Scan# 1503

Delta R.T. -0.05 min

Lab File: BF078581.D

Acq: 16 Apr 2015 22:40

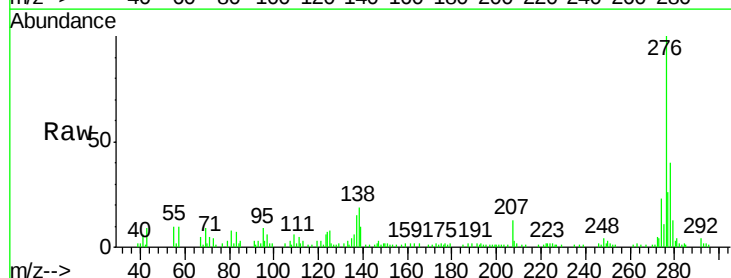
Tgt Ion:278 Resp: 22395

Ion Ratio Lower Upper

278 100

139 23.6 13.6 20.4#

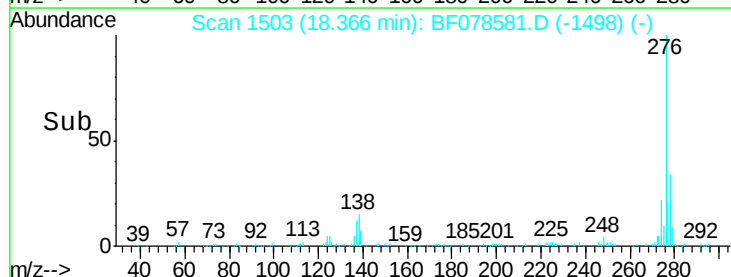
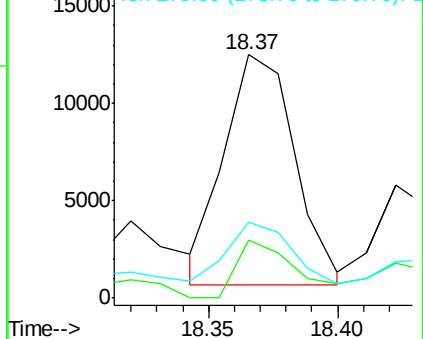
279 31.2 19.0 28.6#

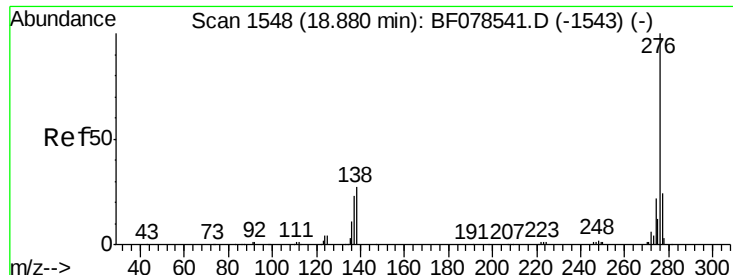


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

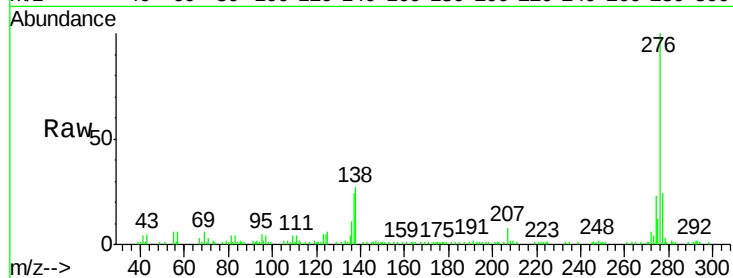




#91
 Benzo(g,h,i)perylene
 Concen: 11.62 ng
 RT: 18.67 min Scan# 1530
 Delta R.T. -0.03 min
 Lab File: BF078581.D
 Acq: 16 Apr 2015 22:40

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB06A(1-1.5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	26.9	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

