

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121837.D
 Acq On : 6 Oct 2020 1:31
 Operator : JU/CG
 Sample : L4247-03MSD 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MSD

Quant Time: Oct 06 02:50:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

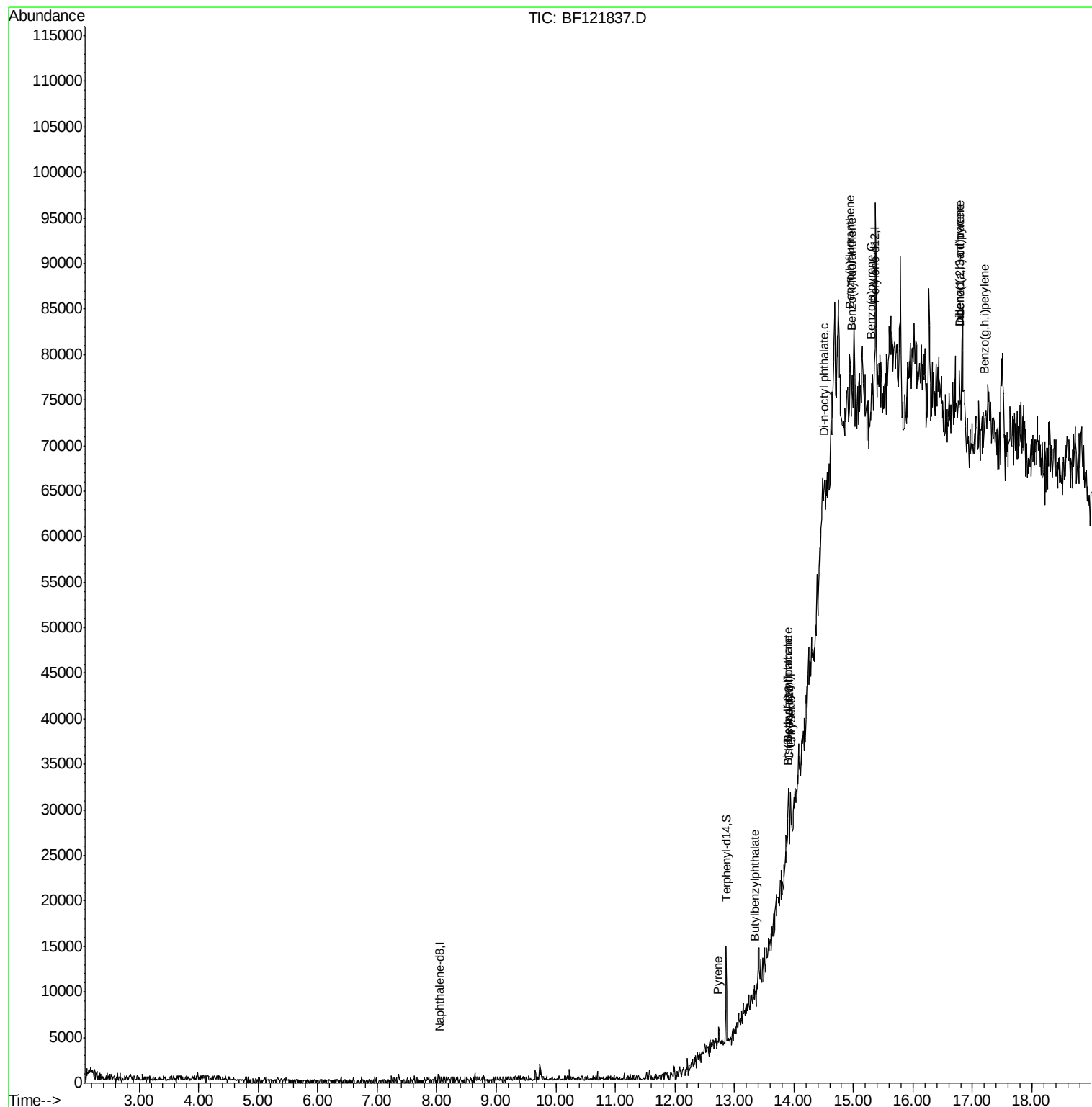
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.77
21) Naphthalene-d8	8.05	136	307	20.00	ng	-0.01
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.81
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.29
76) Chrysene-d12	13.92	240	505	20.00	ng	-0.01
86) Perylene-d12	15.36	264	490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	12.86	244	4978	199.70	ng	-0.02
Target Compounds						
78) Pyrene	12.72	202	829	22.468	ng	# 56
80) Butylbenzylphthalate	13.34	149	141	9.449	ng	# 21
81) Benzo(a)anthracene	13.91	228	865	27.075	ng	# 44
83) Chrysene	13.94	228	1509	46.643	ng	# 88
84) Bis(2-ethylhexyl)phthalate	13.90	149	1137	57.035	ng	# 58
85) Di-n-octyl phthalate	14.51	149	1093	31.068	ng	# 73
87) Indeno(1,2,3-cd)pyrene	16.77	276	1538	48.198	ng	# 82
88) Benzo(b)fluoranthene	14.94	252	2010	61.361	ng	# 54
89) Benzo(k)fluoranthene	14.97	252	1402	46.738	ng	# 58
90) Benzo(a)pyrene	15.30	252	1352	48.555	ng	# 13
91) Dibenzo(a,h)anthracene	16.79	278	816	30.719	ng	# 39
92) Benzo(a,h,i)perylene	17.20	276	1190	45.575	ng	# 43

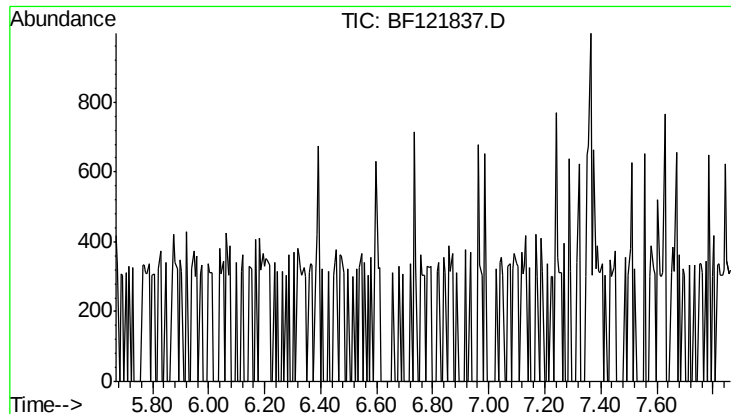
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 6.77 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MSD

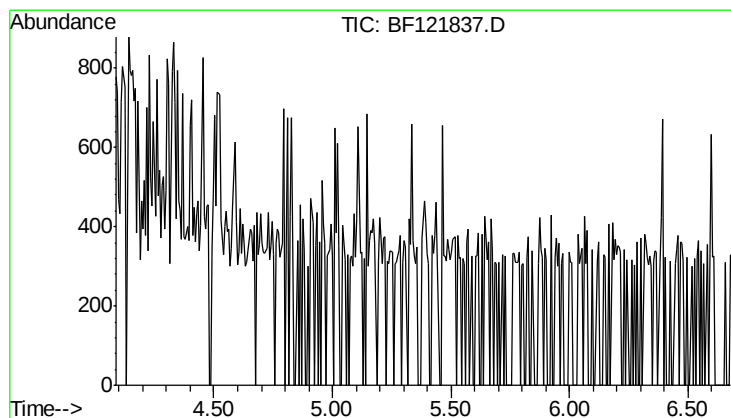
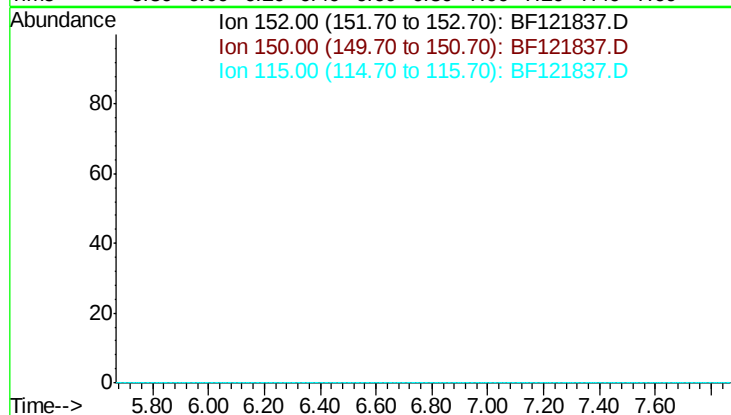
Tot Ion: 152

Sig Exp Ratio

152 100

150 156.6

115 64.9



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.39 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

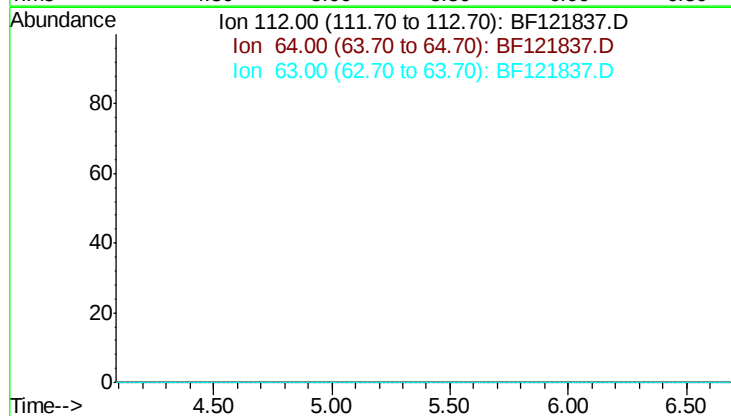
Tgt Ion: 112

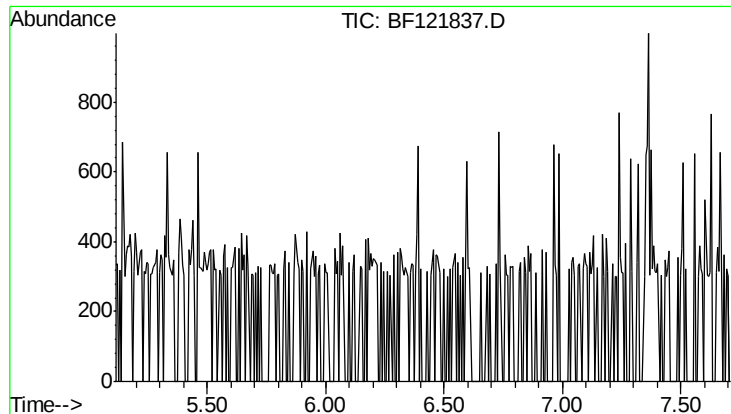
Sig Exp Ratio

112 100

64 63.0

63 32.2





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.42 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MSD

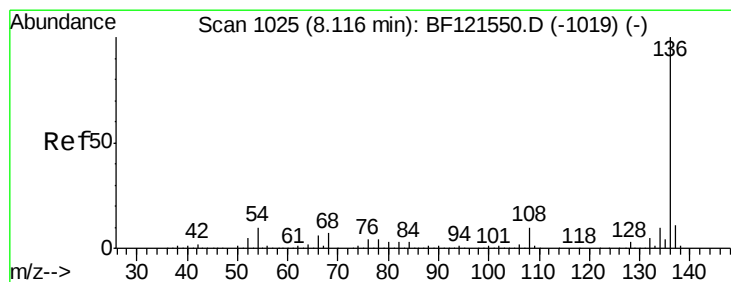
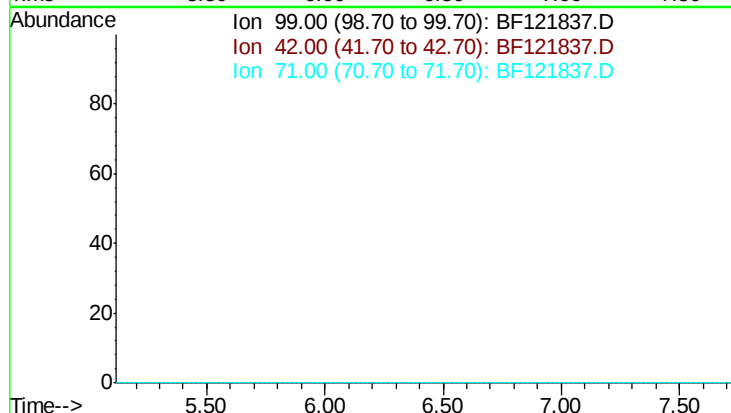
Tot Ion: 99

Sig Exp Ratio

99 100

42 19.9

71 33.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Tgt Ion:136 Resp: 307

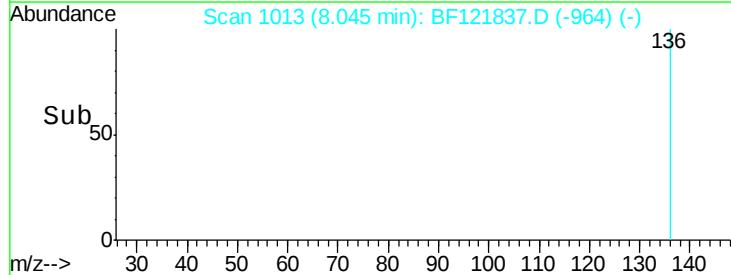
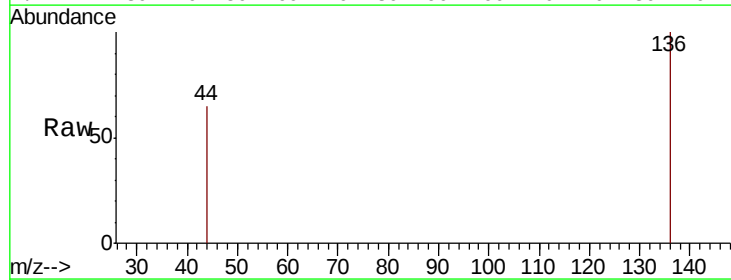
Ion Ratio Lower Upper

136 100

137 0.0 8.6 13.0#

54 0.0 7.1 10.7#

68 0.0 5.0 7.4#

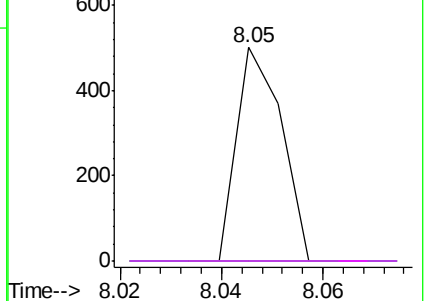


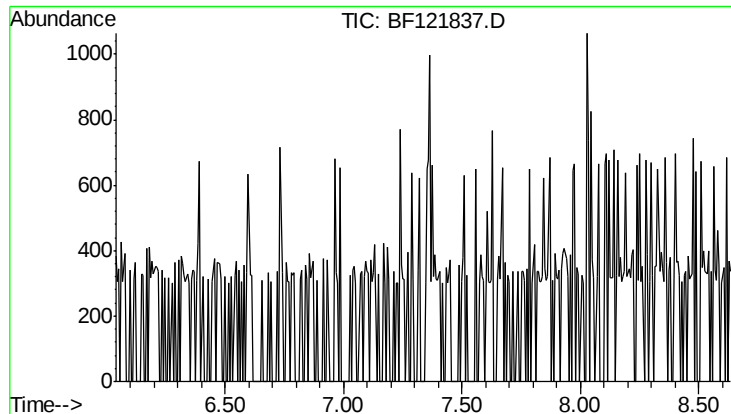
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

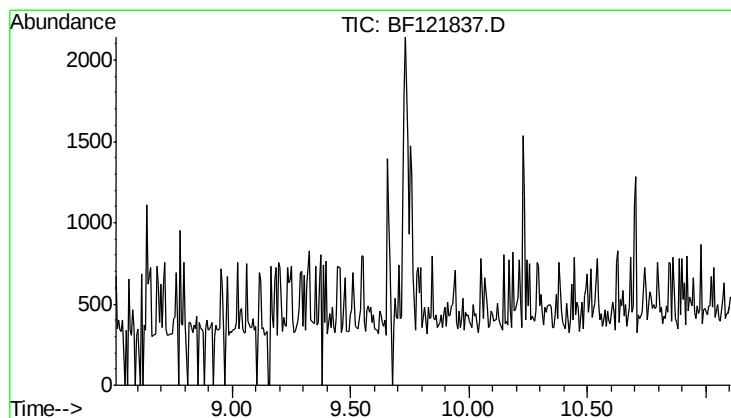
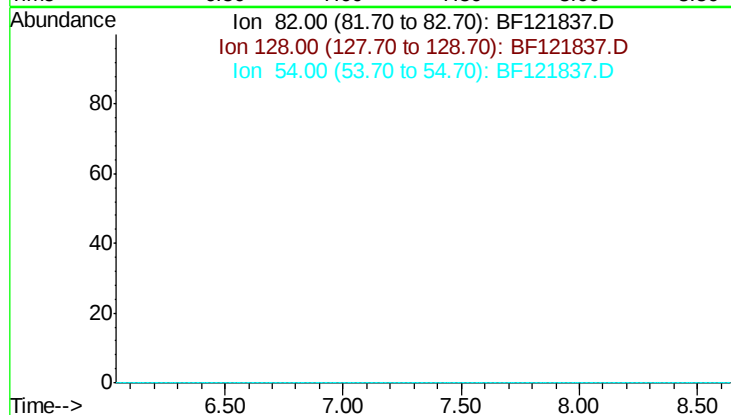




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.34 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

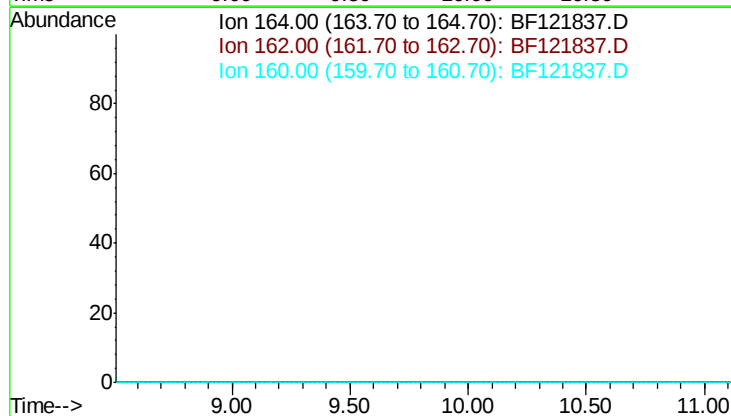
Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MSD

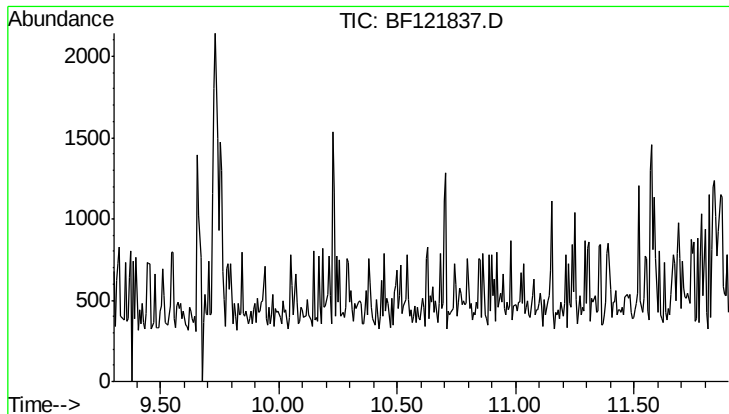
Tot Ion	82
Sig	Exp Ratio
82	100
128	43.7
54	54.9



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 9.81 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

Tgt Ion	164
Sig	Exp Ratio
164	100
162	104.0
160	46.9





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.60 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MSD

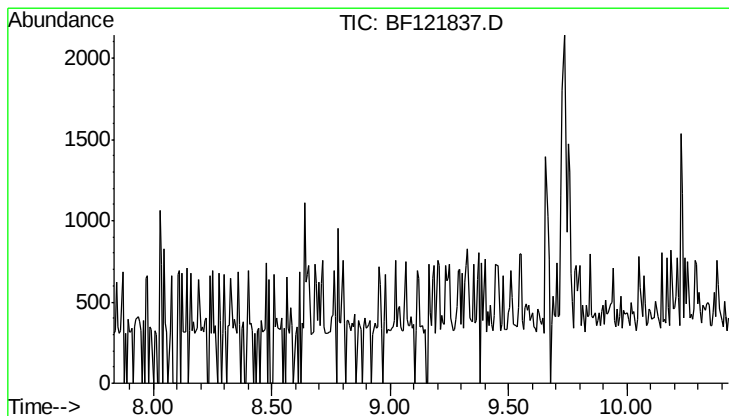
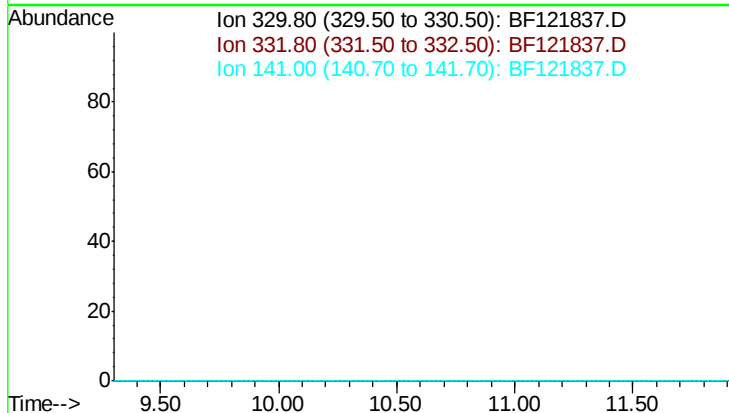
Tot Ion: 330

Sig Exp Ratio

330 100

332 96.6

141 27.9



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.13 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

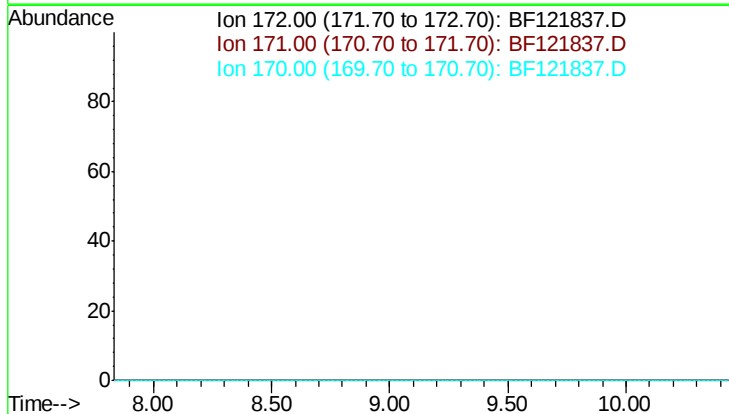
Tgt Ion: 172

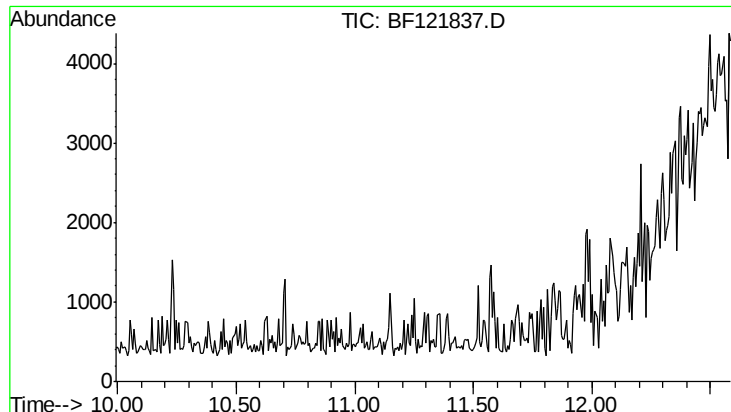
Sig Exp Ratio

172 100

171 36.4

170 24.7

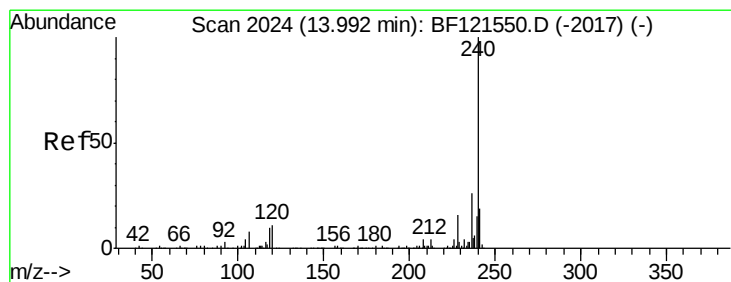
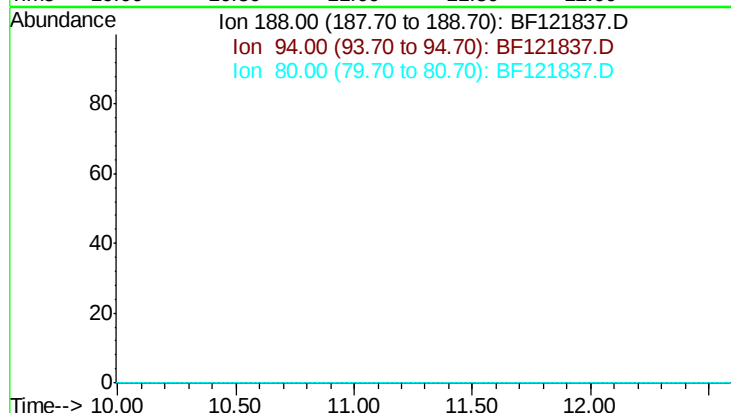




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.29 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

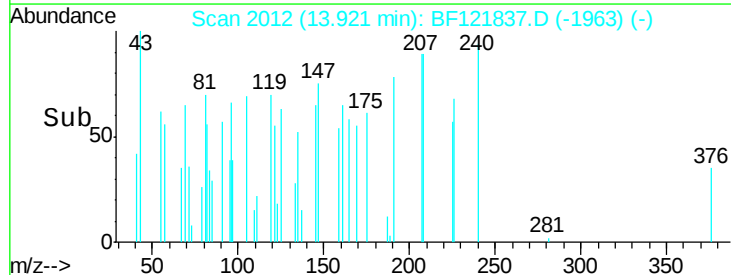
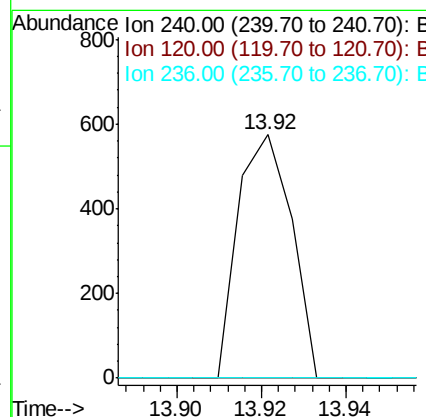
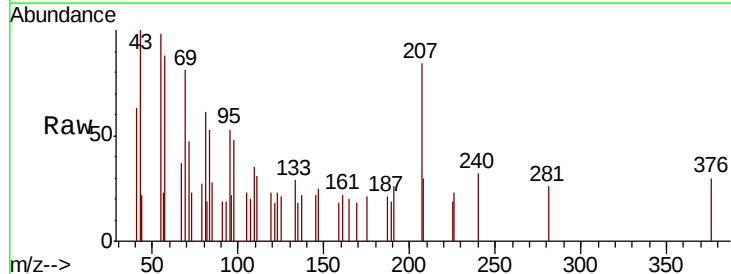
Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MSD

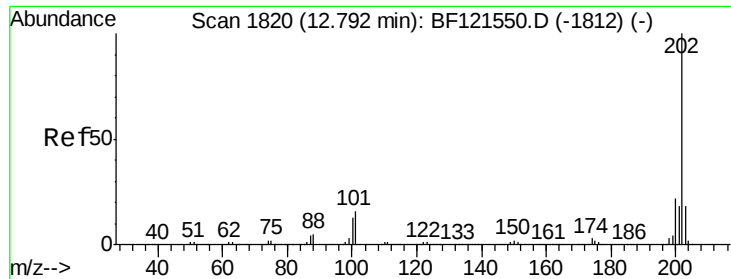
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 10.4
 80 11.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

Tgt Ion: 240 Resp: 505
 Ion Ratio Lower Upper
 240 100
 120 0.0 9.2 13.8#
 236 0.0 20.9 31.3#

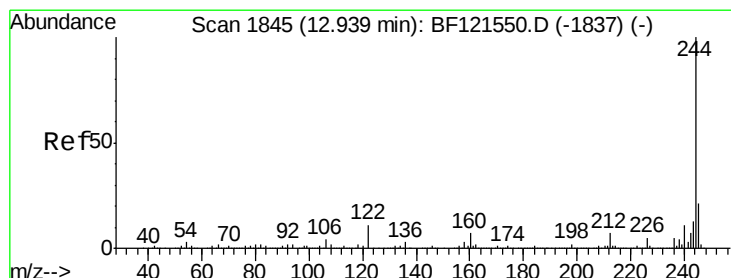
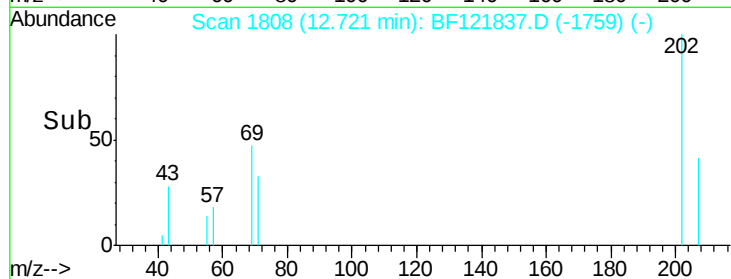
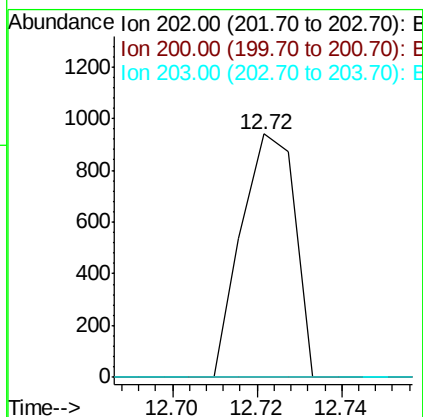
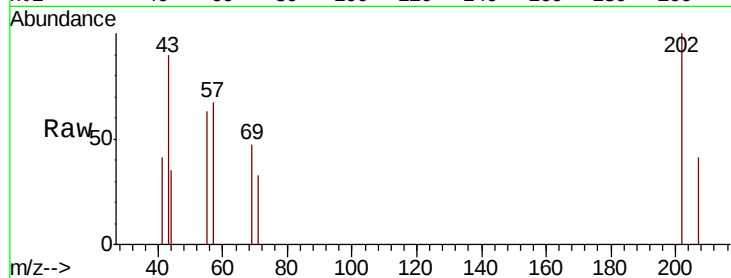




#78
Pvrene
Concen: 22.468 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

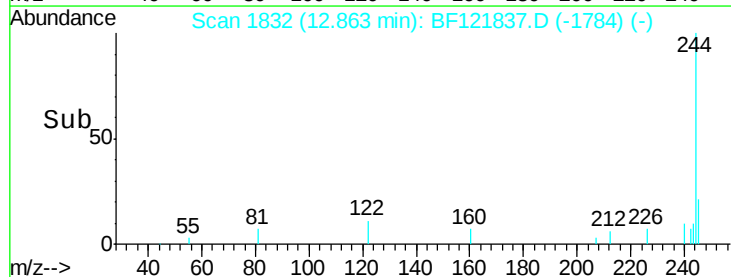
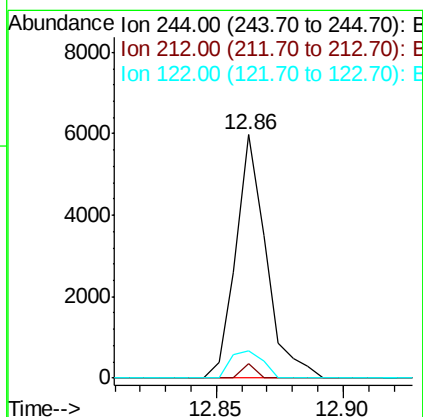
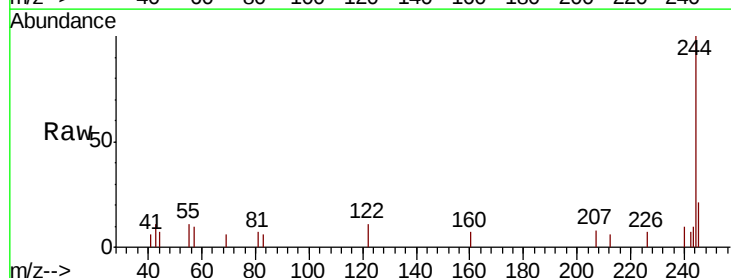
Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MSD

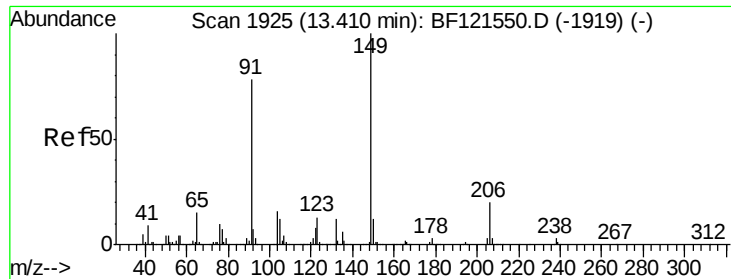
Tot Ion:202 Resp: 829
Ion Ratio Lower Upper
202 100
200 0.0 17.4 26.2#
203 0.0 14.6 21.8#



#79
Terphenyl-d14
Concen: 199.702 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

Tgt Ion:244 Resp: 4978
Ion Ratio Lower Upper
244 100
212 6.0 5.4 8.2
122 11.4 8.1 12.1

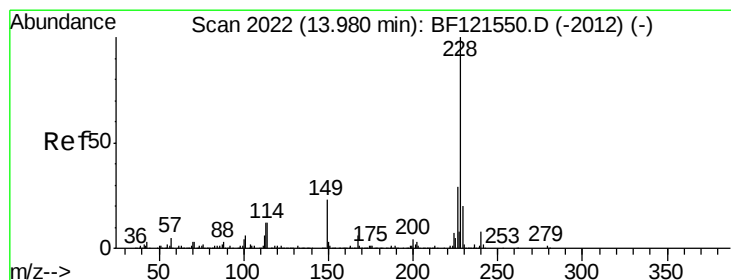
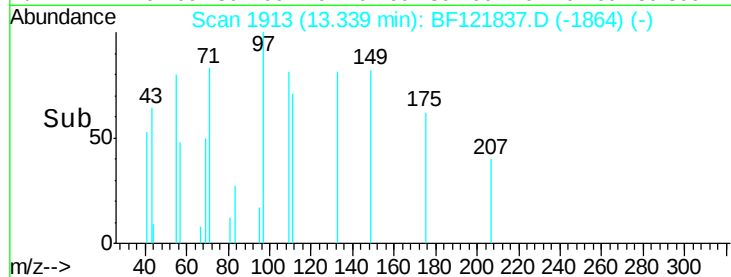
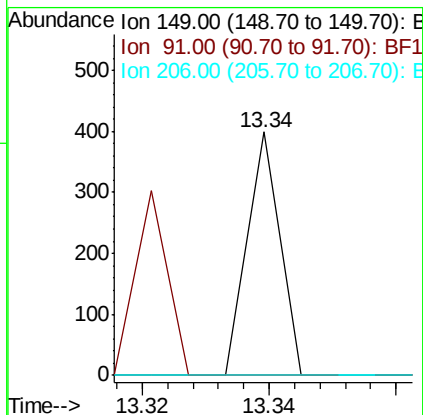
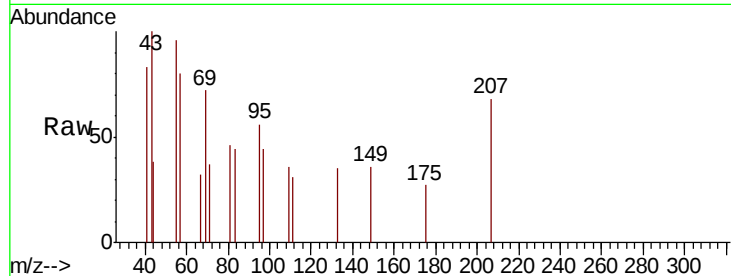




#80
Butylbenzylphthalate
Concen: 9.449 ng
RT: 13.34 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

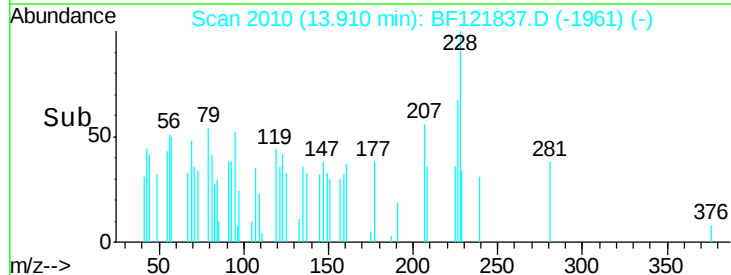
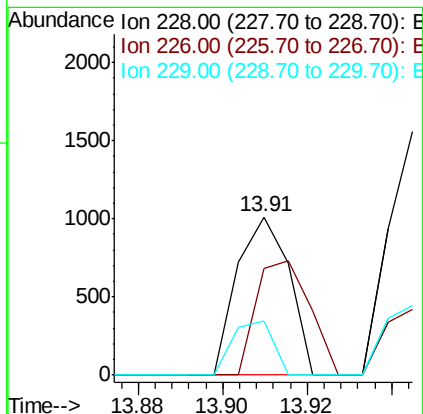
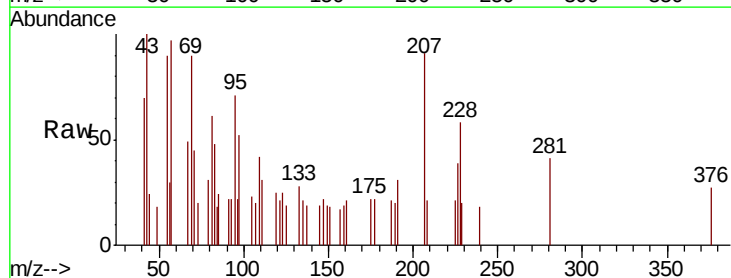
Instrument :
BNA_F
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B-18(0-1)MSD

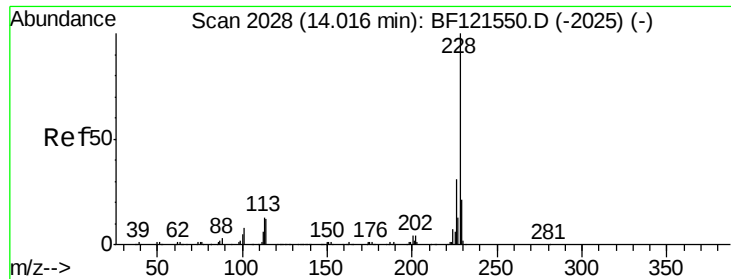
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	61.0	91.4#
206	0.0	16.7	25.1#



#81
Benzo(a)anthracene
Concen: 27.075 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	67.1	22.3	33.5#
229	34.5	16.2	24.4#





#83

Chrysene

Concen: 46.643 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MSD

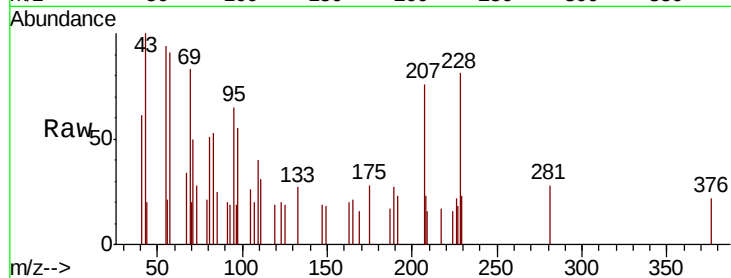
Tot Ion:228 Resp: 1509

Ion Ratio Lower Upper

228 100

226 26.8 24.6 37.0

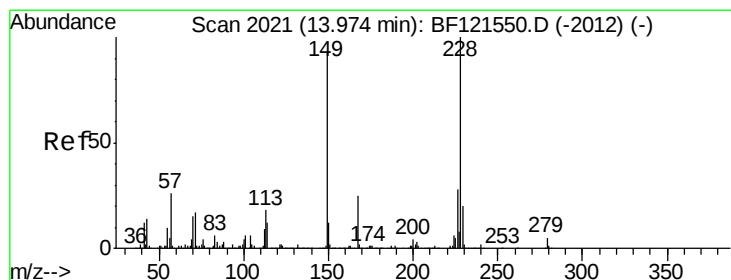
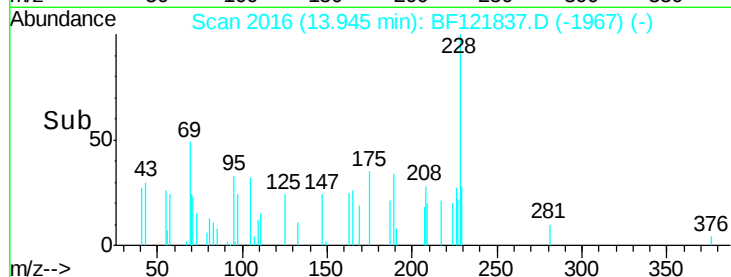
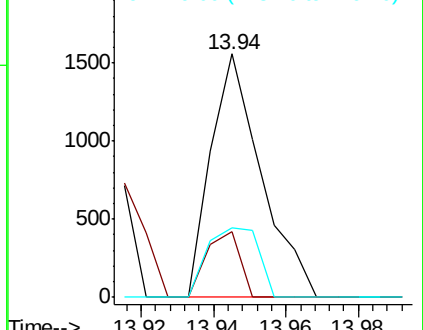
229 28.4 15.9 23.9#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.035 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

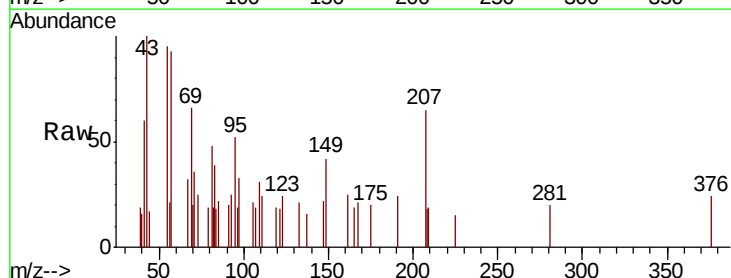
Tgt Ion:149 Resp: 1137

Ion Ratio Lower Upper

149 100

167 50.1 20.9 31.3#

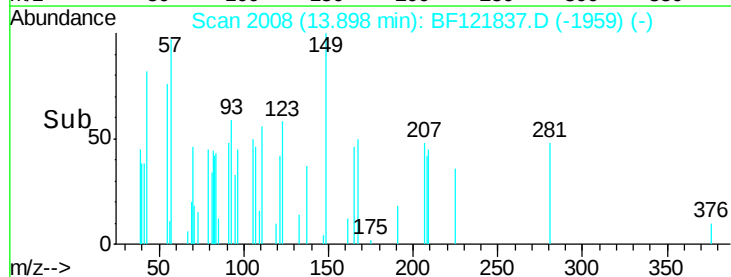
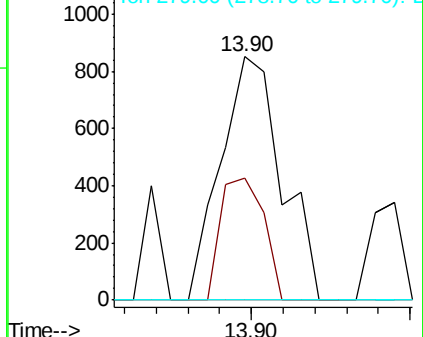
279 0.0 3.2 4.8#

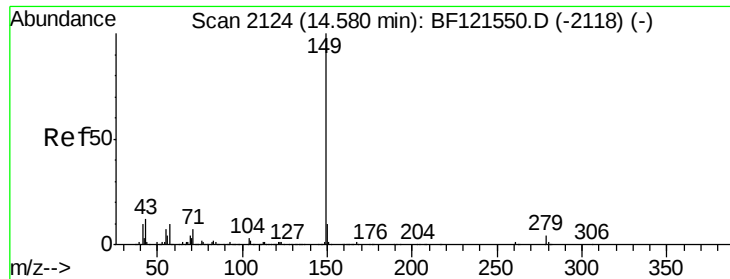


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

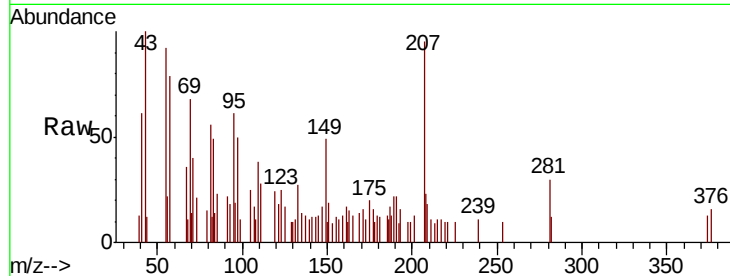




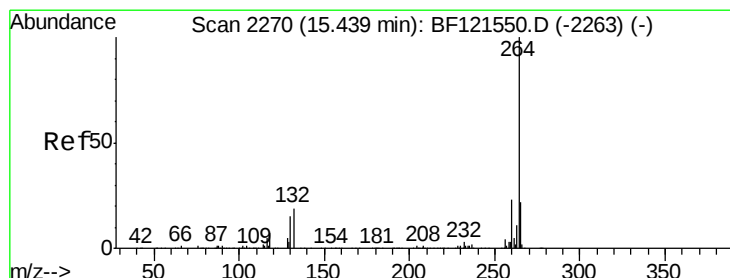
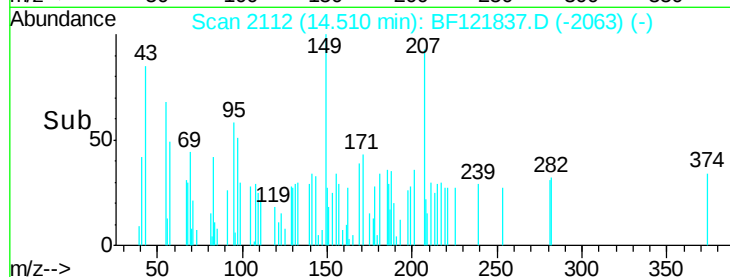
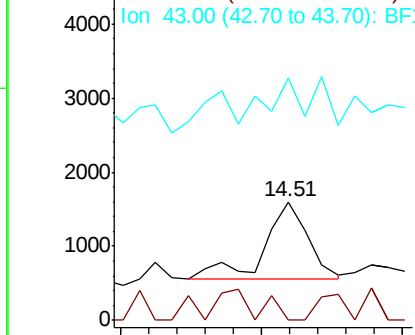
#85
Di-n-octyl phthalate
Concen: 31.068 ng
RT: 14.51 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MSD

Tot Ion:149 Resp: 1093
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 9.0 13.6#

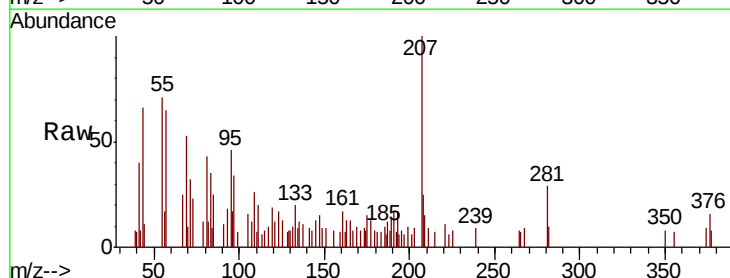


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

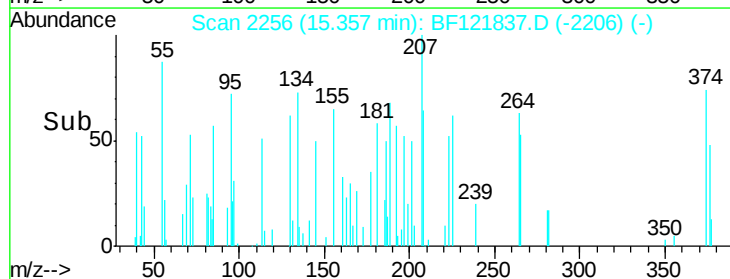
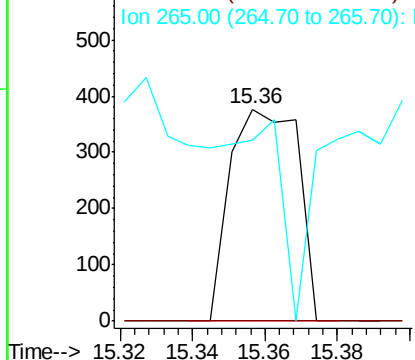


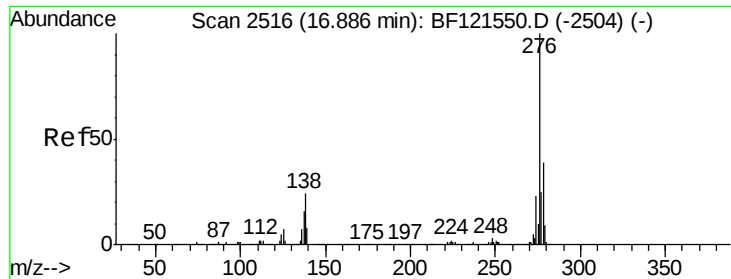
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

Tgt Ion:264 Resp: 490
Ion Ratio Lower Upper
264 100
260 0.0 18.7 28.1#
265 85.4 17.3 25.9#



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

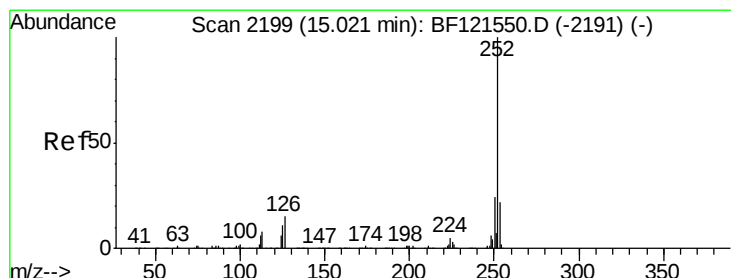
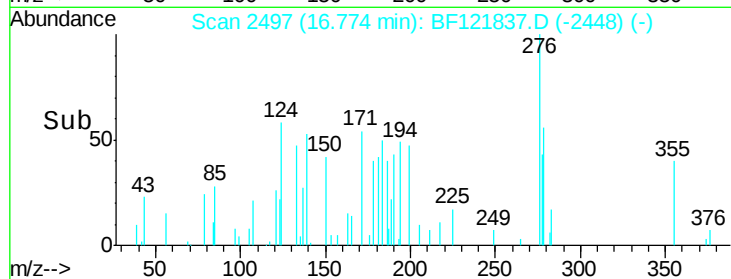
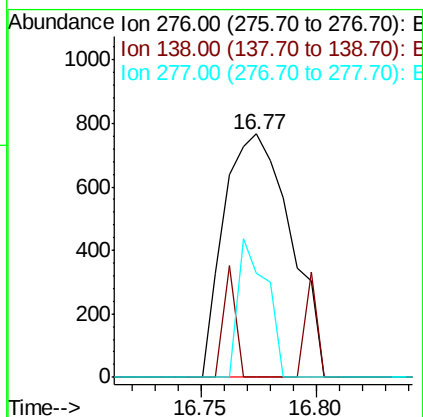
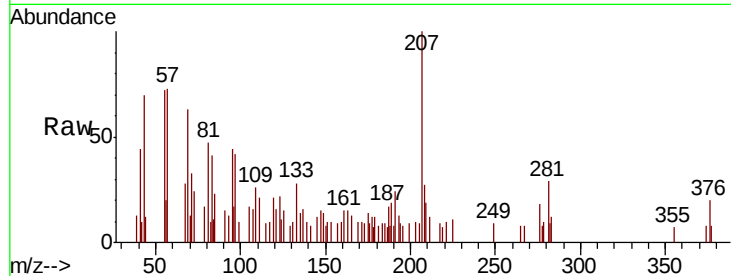




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.198 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

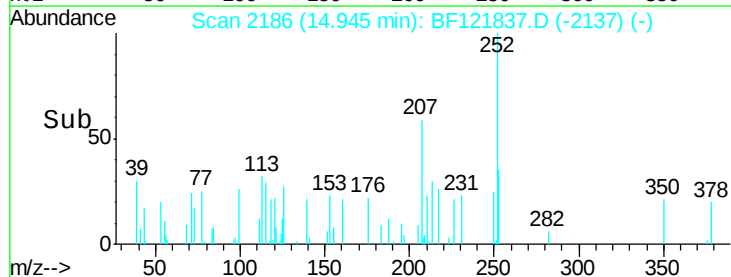
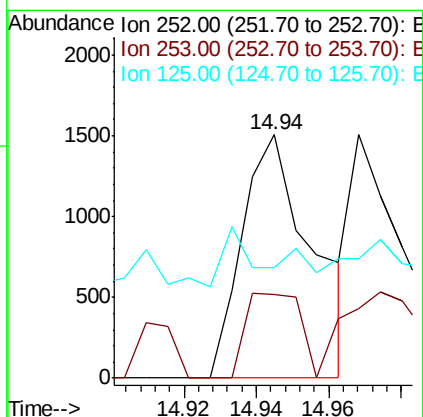
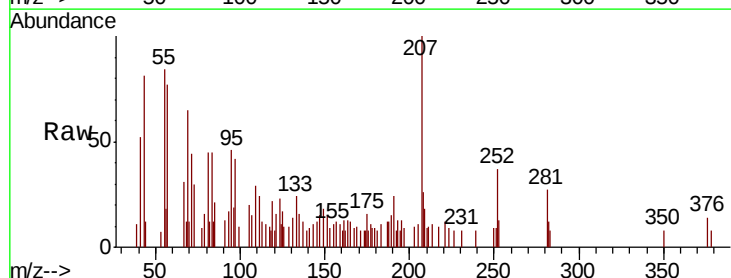
Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MSD

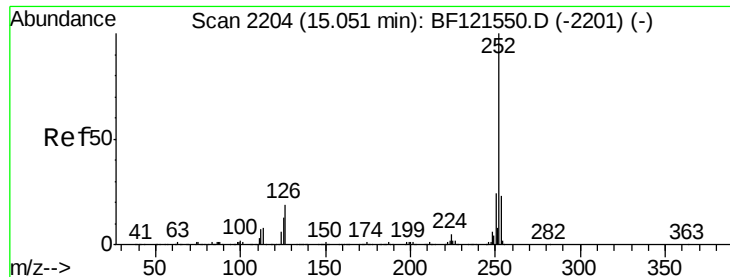
Tot Ion	Ratio	Lower	Upper
276	100		
138	8.1	19.9	29.9#
277	24.4	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 61.361 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121837.D
 Acq: 6 Oct 2020 1:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.5	18.2	27.2#
125	45.4	8.0	12.0#

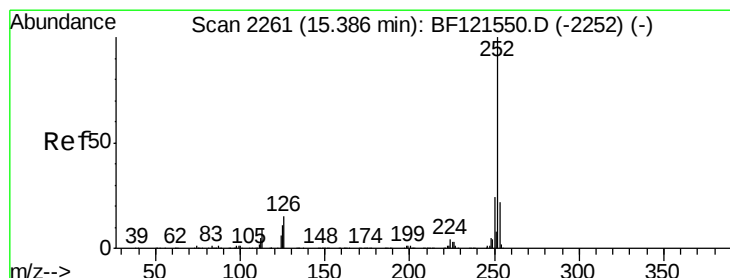
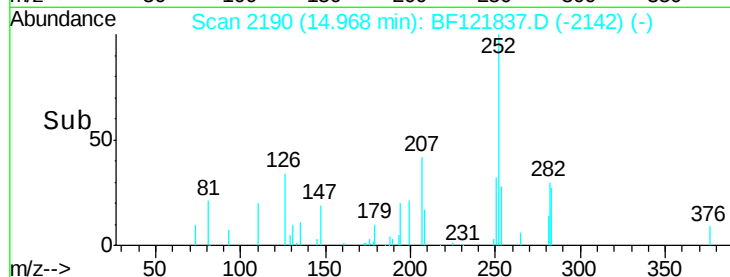
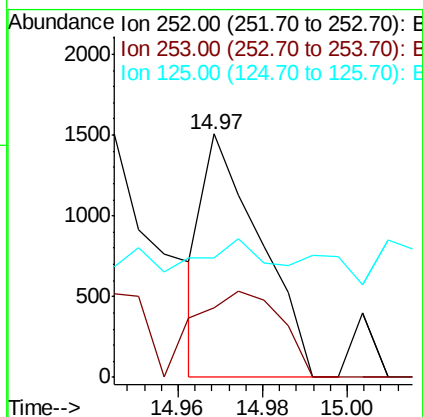
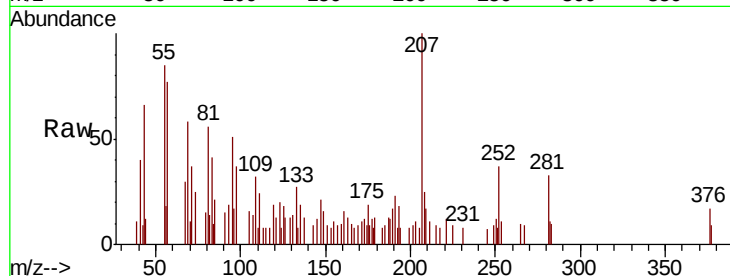




#89
Benzo(k)fluoranthene
Concen: 46.738 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

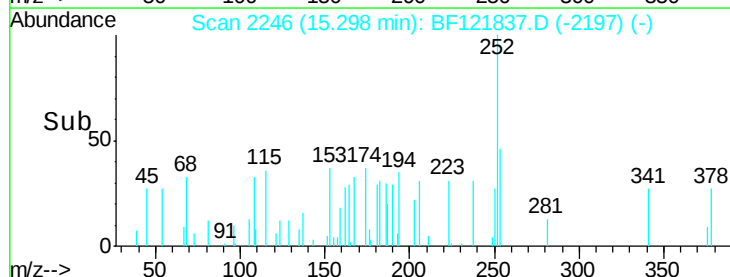
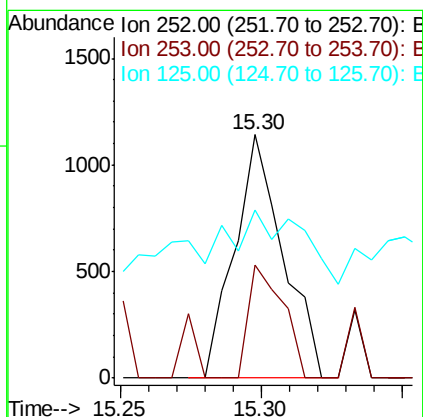
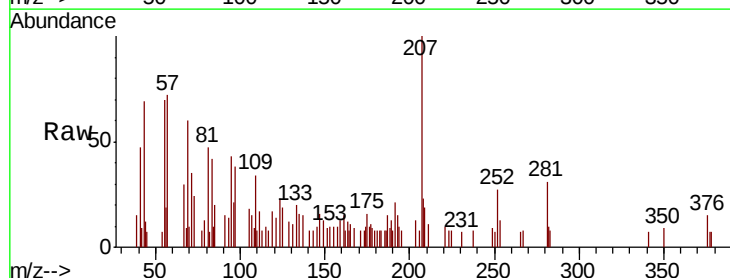
Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MSD

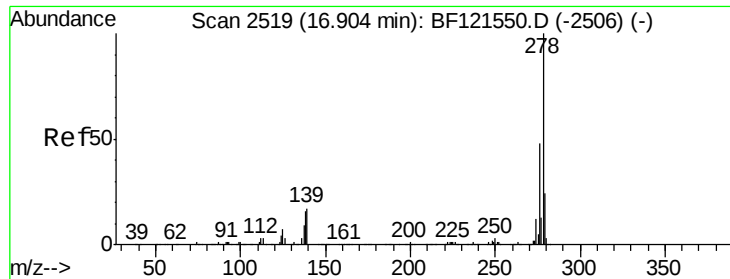
Tot Ion:252 Resp: 1402
Ion Ratio Lower Upper
252 100
253 28.3 17.8 26.6#
125 49.2 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 48.555 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121837.D
Acq: 6 Oct 2020 1:31

Tgt Ion:252 Resp: 1352
Ion Ratio Lower Upper
252 100
253 46.4 17.3 25.9#
125 69.3 8.6 13.0#





#91

Dibenzo(a,h)anthracene

Concen: 30.719 ng

RT: 16.79 min Scan# 2499

Delta R.T. -0.01 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MSD

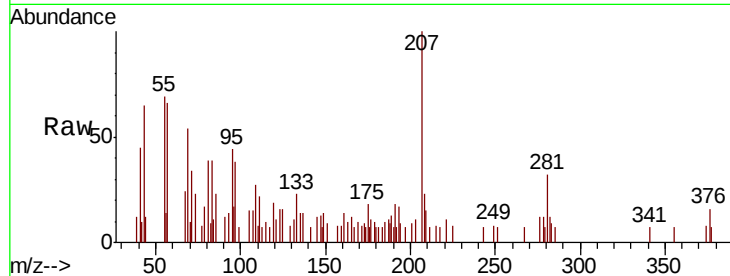
Tot Ion:278 Resp: 816

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

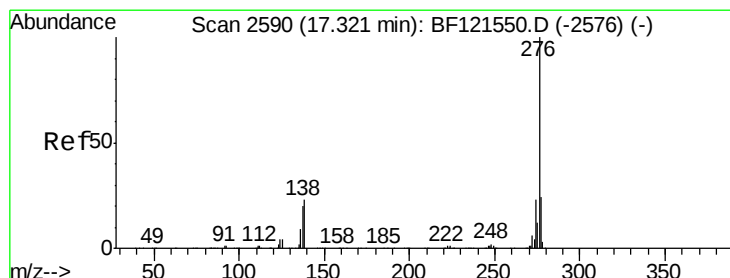
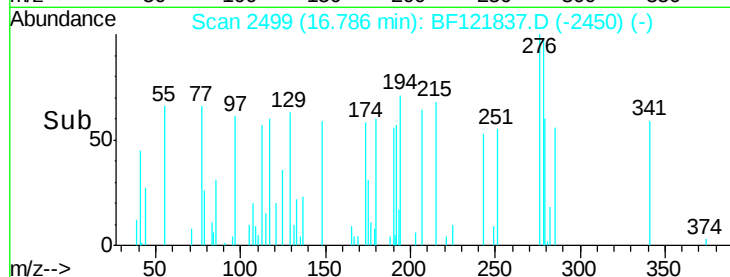
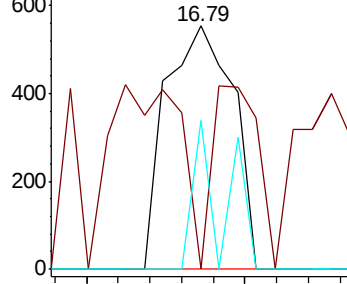
279 61.4 19.0 28.4#



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



#92

Benzo(g,h,i)perylene

Concen: 45.575 ng

RT: 17.20 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF121837.D

Acq: 6 Oct 2020 1:31

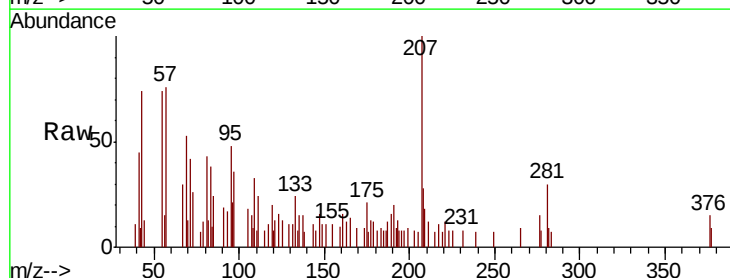
Tgt Ion:276 Resp: 1190

Ion Ratio Lower Upper

276 100

277 53.5 19.4 29.2#

138 48.2 17.8 26.6#



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

