

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
 Data File : BP007836.D
 Acq On : 03 Nov 2021 22:42
 Operator : CG/JU
 Sample : M4411-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

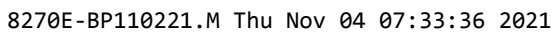
Quant Time: Nov 04 07:33:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 02 19:18:55 2021
 Response via : Initial Calibration

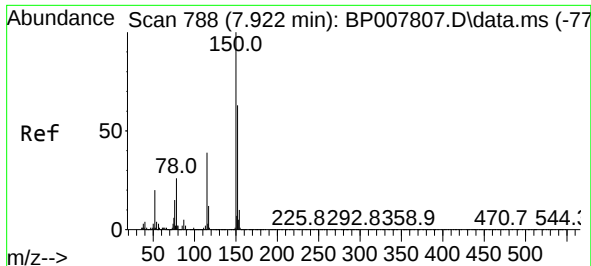
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	231486	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	933467	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	642907	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	1429350	20.000	ng	0.00
76) Chrysene-d12	21.410	240	1386006	20.000	ng	0.00
86) Perylene-d12	23.845	264	1319452	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1316033	96.416	ng	0.00
7) Phenol-d6	7.093	99	1655841	83.814	ng	0.00
23) Nitrobenzene-d5	9.081	82	1016865	58.516	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	831947	90.673	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	2402625	54.423	ng	0.00
79) Terphenyl-d14	19.880	244	3707956	54.476	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	102	Below Cal	#	1
49) Acenaphthylene	14.281	152	322015	5.684	ng	99
58) Fluorene	15.610	166	137041	3.122	ng	98
71) Phenanthrene	17.357	178	1411913	18.790	ng	99
72) Anthracene	17.445	178	456731	6.176	ng	99
75) Fluoranthene	19.327	202	2117307	22.337	ng	98
78) Pyrene	19.680	202	2878439	33.860	ng	99
81) Benzo(a)anthracene	21.392	228	1380428	15.118	ng	93
83) Chrysene	21.445	228	1402648	16.226	ng	97
87) Indeno(1,2,3-cd)pyrene	26.386	276	566979	5.765	ng	# 94
88) Benzo(b)fluoranthene	23.104	252	1586717	20.401	ng	96
89) Benzo(k)fluoranthene	23.104	252	1586717	20.555	ng	97
90) Benzo(a)pyrene	23.733	252	1025750	15.231	ng	98
91) Dibenzo(a,h)anthracene	26.392	278	173132	2.124	ng	# 80
92) Benzo(g,h,i)perylene	27.168	276	606341	7.498	ng	98

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

Quant Time: Nov 04 07:33:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 02 19:18:55 2021
Response via : Initial Calibration

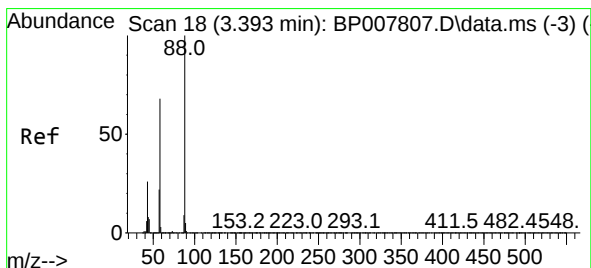
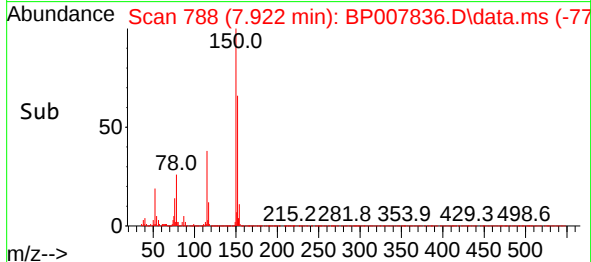
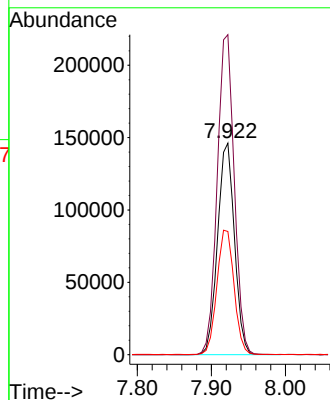
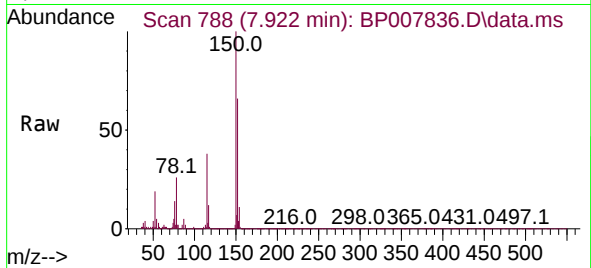




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.922 min Scan# 7
 Delta R.T. 0.000 min
 Lab File: BP007836.D
 Acq: 03 Nov 2021 22:42

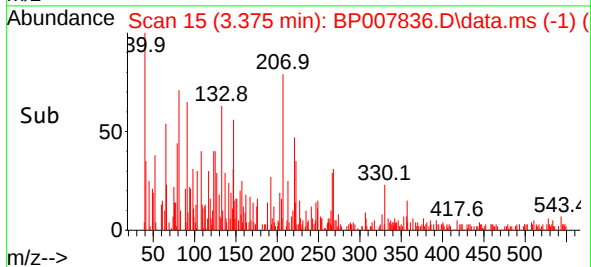
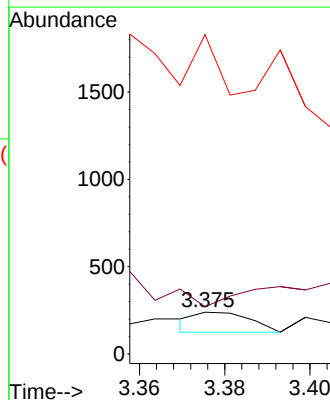
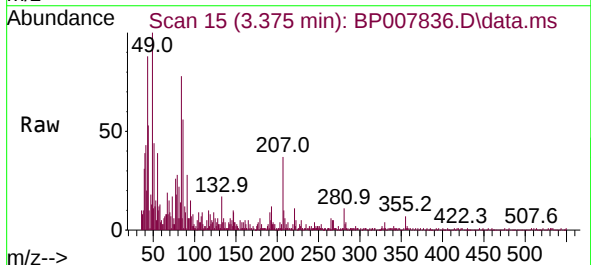
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 ClientSampleId :

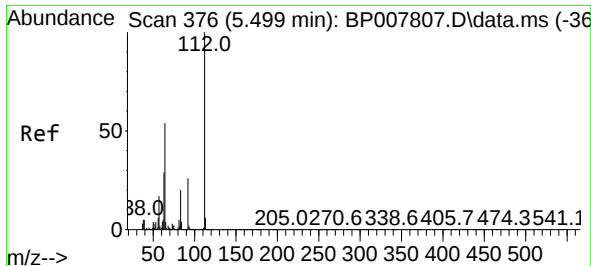
Tgt Ion:152 Resp: 231486
 Ion Ratio Lower Upper
 152 100
 150 151.3 124.1 186.1
 115 58.2 48.1 72.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.375 min Scan# 15
 Delta R.T. -0.018 min
 Lab File: BP007836.D
 Acq: 03 Nov 2021 22:42

Tgt Ion: 88 Resp: 102
 Ion Ratio Lower Upper
 88 100
 58 0.0 58.1 87.1#
 43 400.0 22.2 33.4#

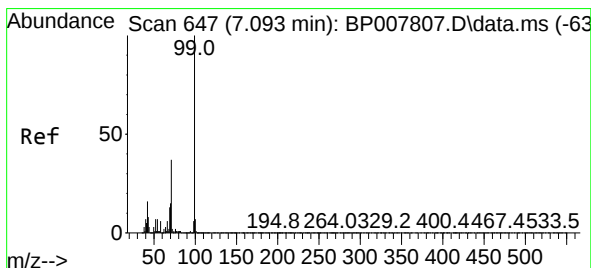
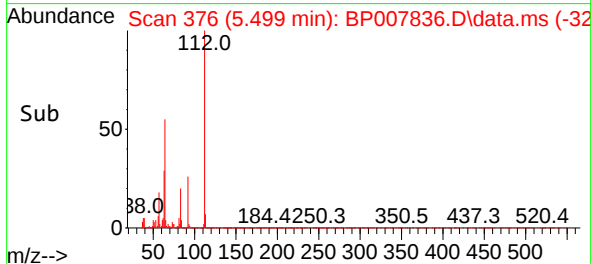
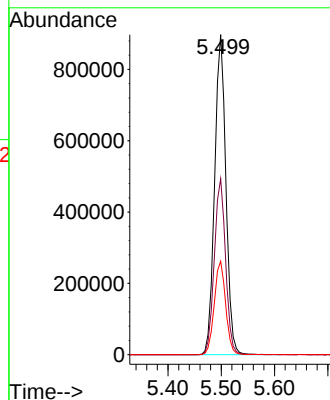
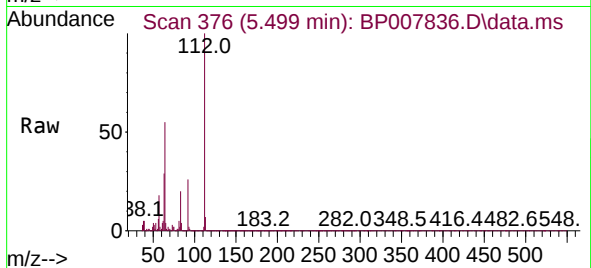




#5
2-Fluorophenol
Concen: 96.416 ng
RT: 5.499 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

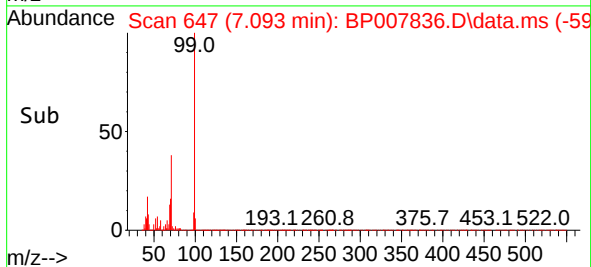
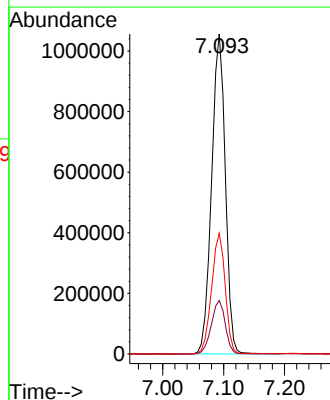
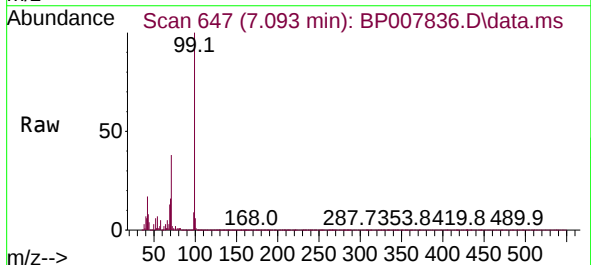
Instrument :
BNA_P
ClientSampleId :

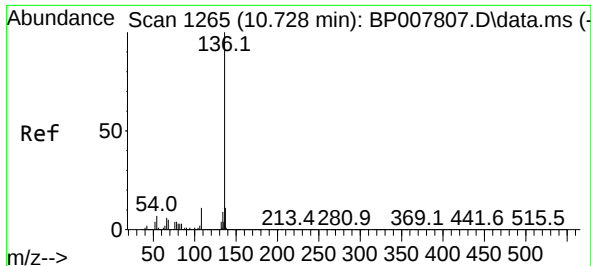
Tgt Ion:112 Resp: 1316033
Ion Ratio Lower Upper
112 100
64 55.0 46.6 70.0
63 29.2 25.0 37.6



#7
Phenol-d6
Concen: 83.814 ng
RT: 7.093 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion: 99 Resp: 1655841
Ion Ratio Lower Upper
99 100
42 16.7 14.9 22.3
71 37.7 29.2 43.8



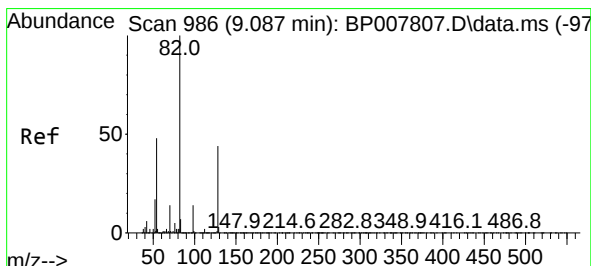
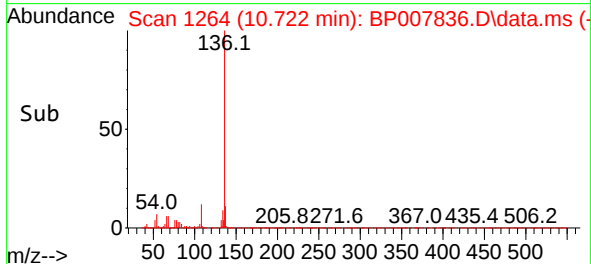
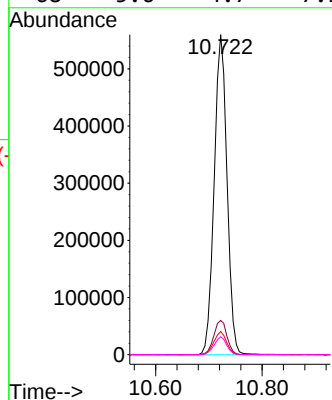
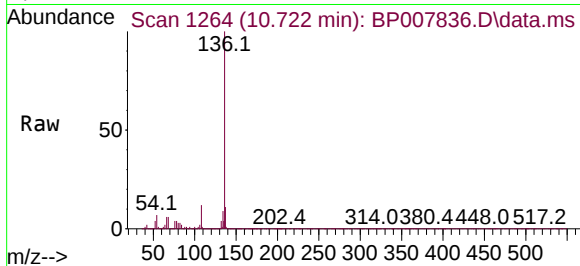


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:136 Resp: 933467

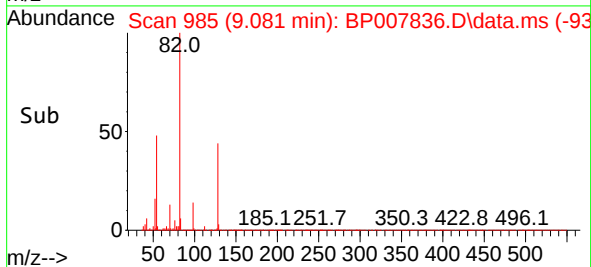
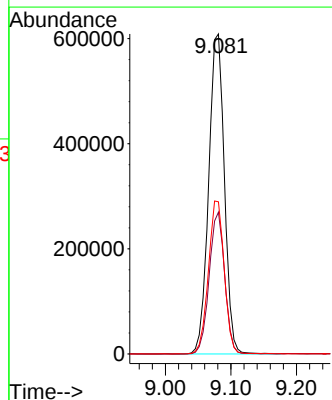
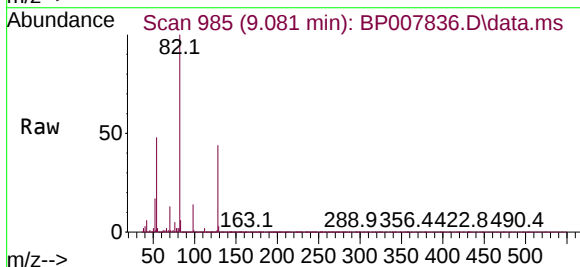
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.2	6.2	9.4
68	5.6	4.7	7.1

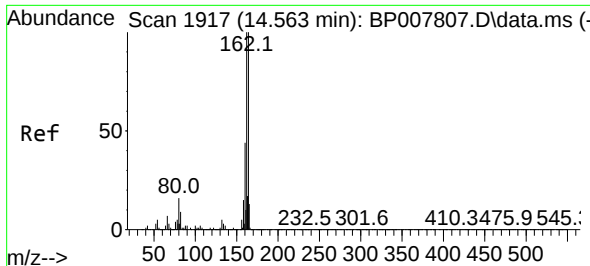


#23
Nitrobenzene-d5
Concen: 58.516 ng
RT: 9.081 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion: 82 Resp: 1016865

Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.6	48.8
54	47.5	40.4	60.6

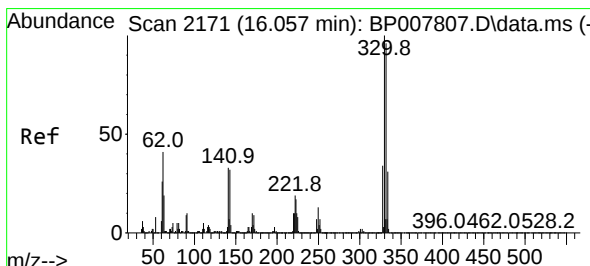
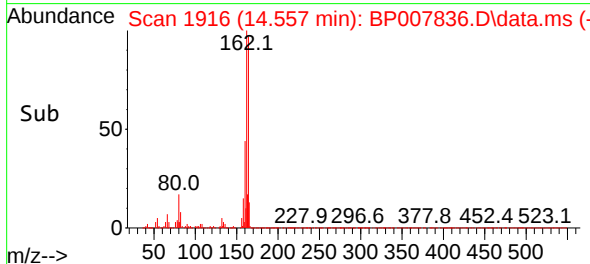
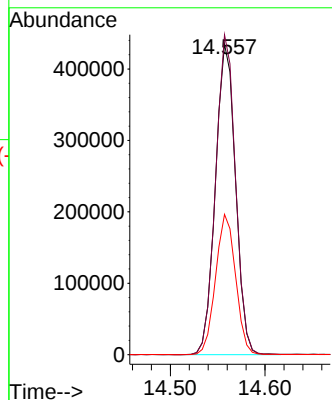
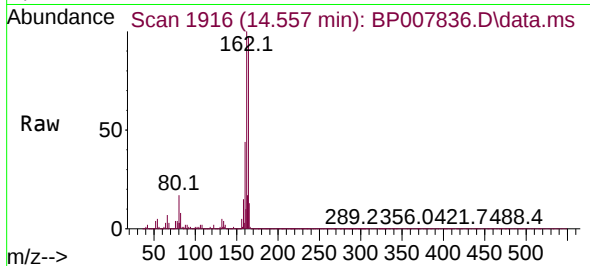




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

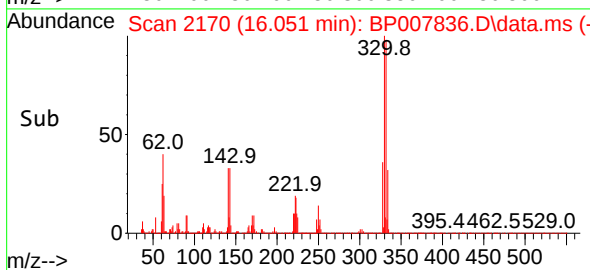
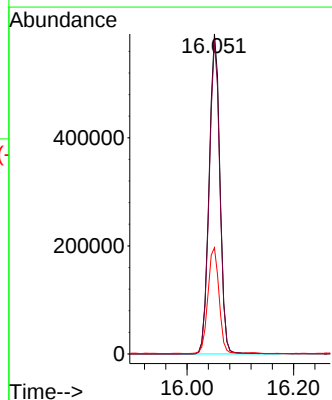
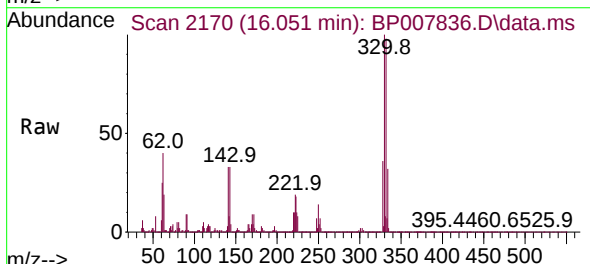
Instrument :
BNA_P
ClientSampleId :

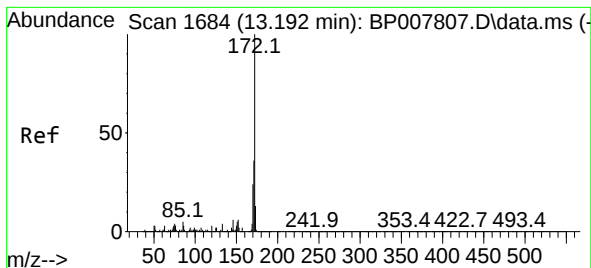
Tgt Ion:164 Resp: 642907
Ion Ratio Lower Upper
164 100
162 103.0 81.1 121.7
160 45.2 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 90.673 ng
RT: 16.051 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion:330 Resp: 831947
Ion Ratio Lower Upper
330 100
332 96.7 78.9 118.3
141 33.8 30.7 46.1





#45

2-Fluorobiphenyl

Concen: 54.423 ng

RT: 13.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

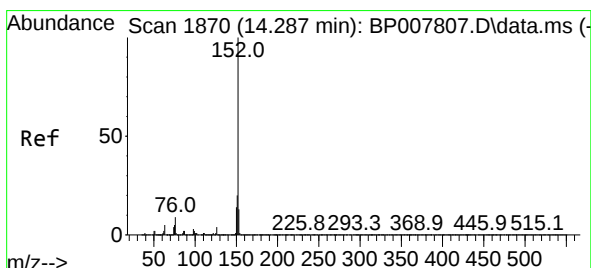
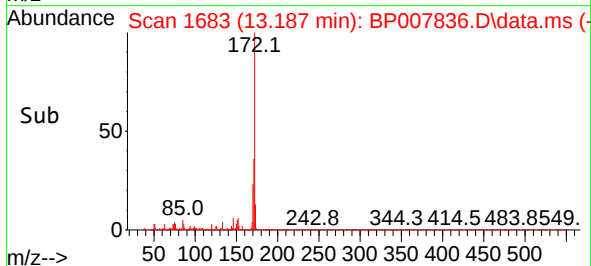
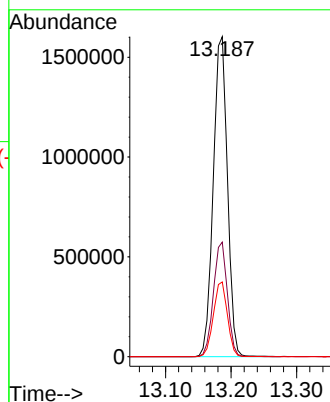
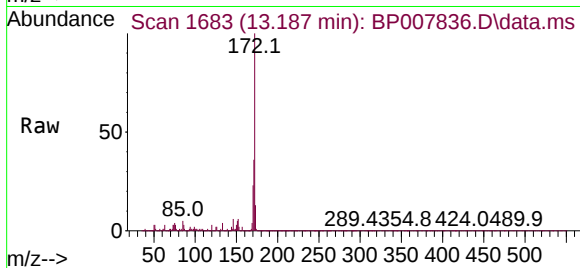
Tgt Ion:172 Resp: 2402625

Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.2

170 23.4 19.0 28.4



#49

Acenaphthylene

Concen: 5.684 ng

RT: 14.281 min Scan# 1869

Delta R.T. -0.006 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

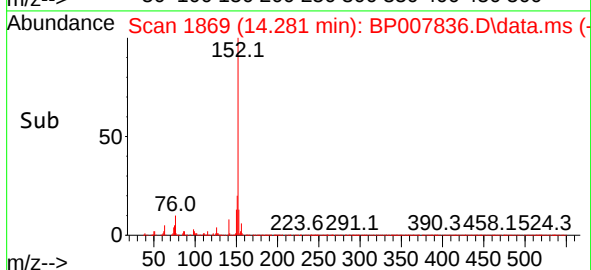
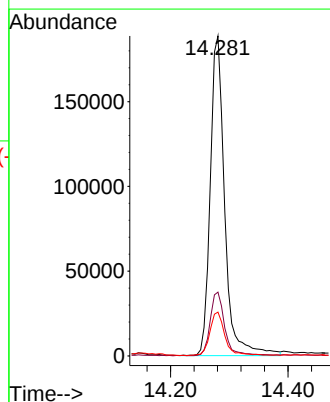
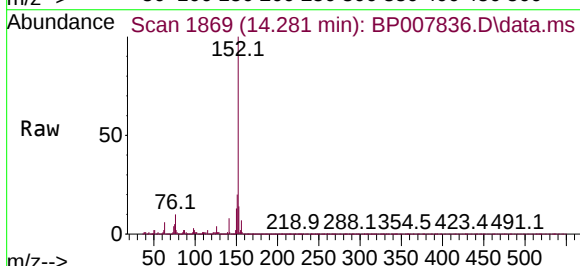
Tgt Ion:152 Resp: 322015

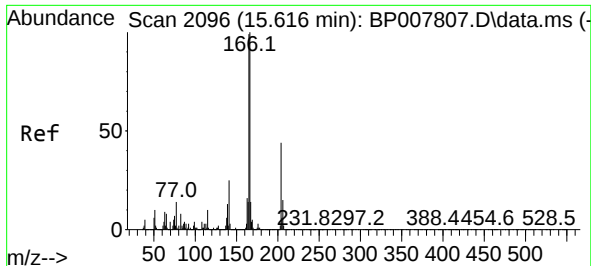
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 13.7 10.2 15.2

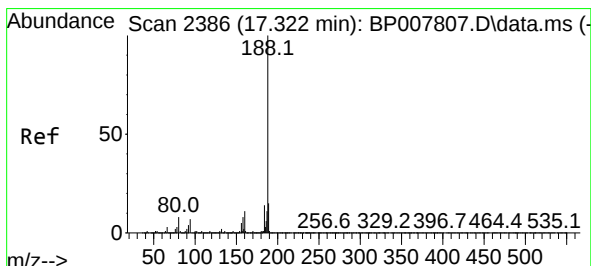
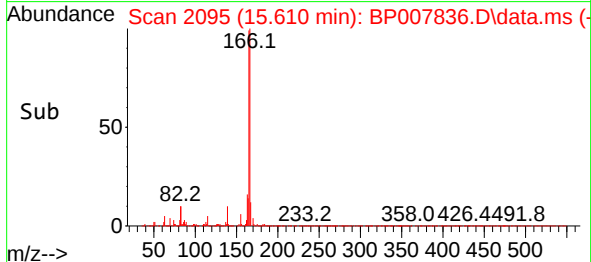
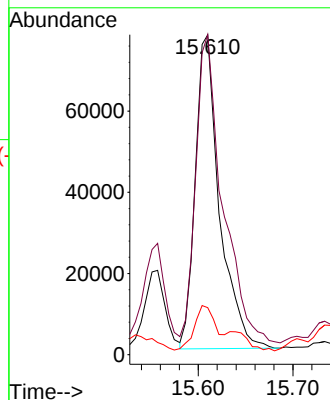
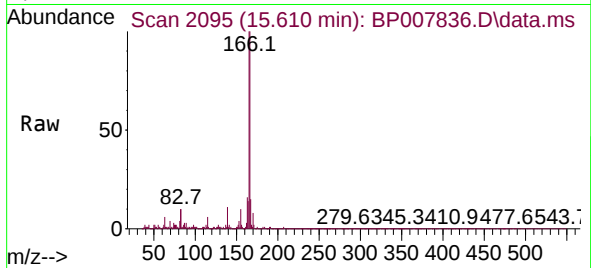




#58
Fluorene
Concen: 3.122 ng
RT: 15.610 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

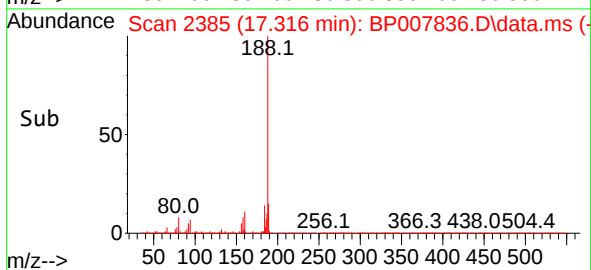
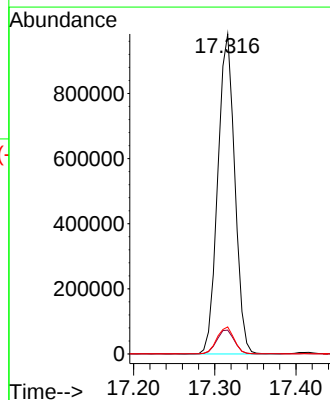
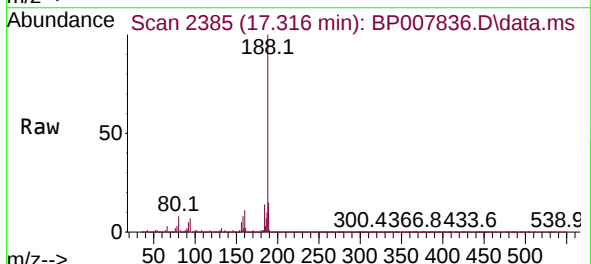
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BNA_P
ClientSampleId :

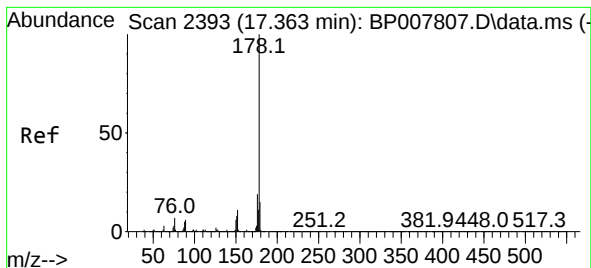
Tgt Ion:166 Resp: 137041
Ion Ratio Lower Upper
166 100
165 100.1 78.9 118.3
167 14.7 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion:188 Resp: 1429350
Ion Ratio Lower Upper
188 100
94 7.4 7.1 10.7
80 8.5 7.8 11.6





#71

Phenanthrene

Concen: 18.790 ng

RT: 17.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

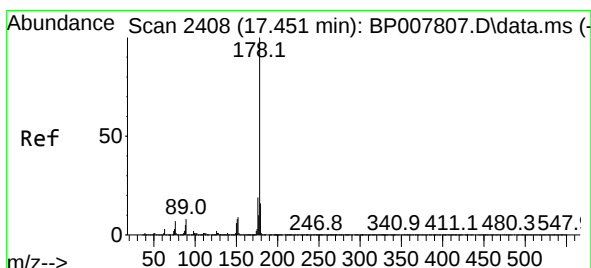
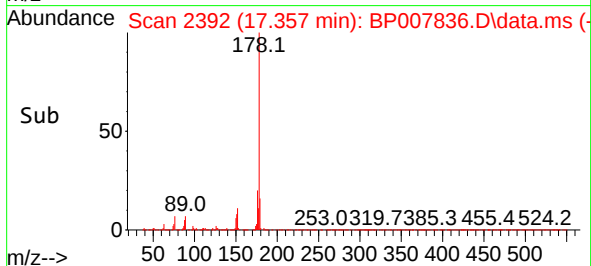
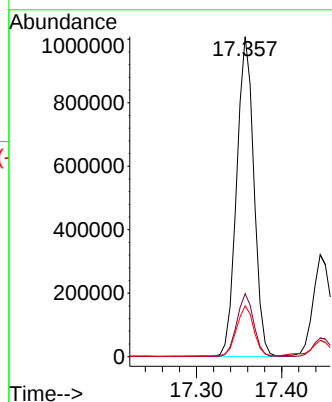
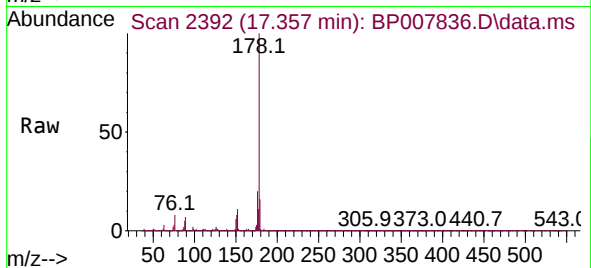
Tgt Ion:178 Resp: 1411913

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.9 12.3 18.5



#72

Anthracene

Concen: 6.176 ng

RT: 17.445 min Scan# 2407

Delta R.T. -0.006 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

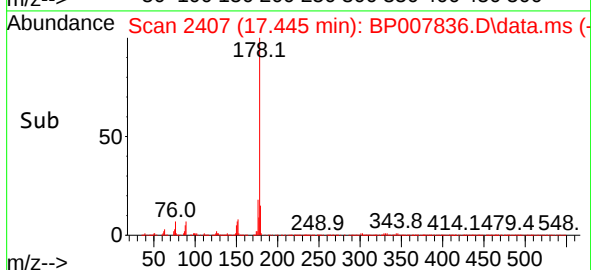
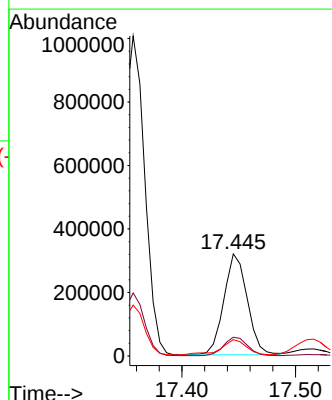
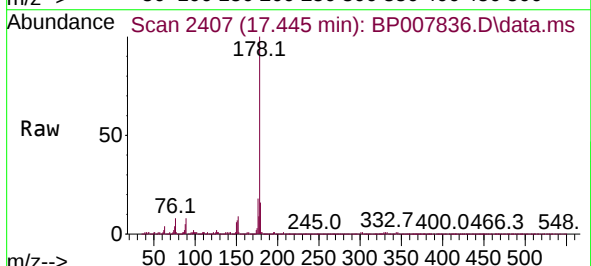
Tgt Ion:178 Resp: 456731

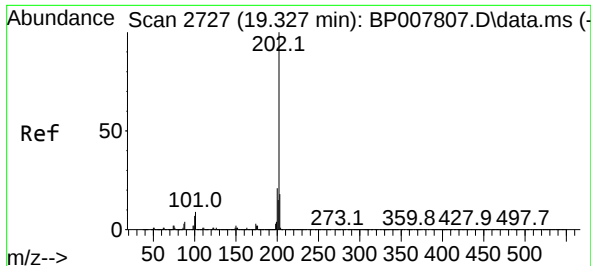
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 16.0 12.2 18.4

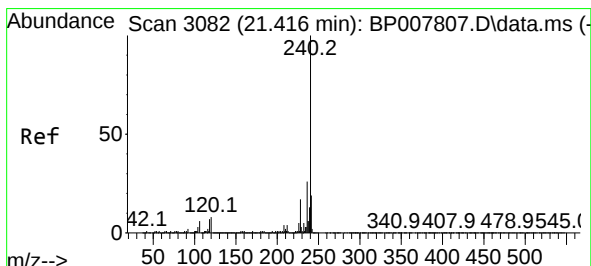
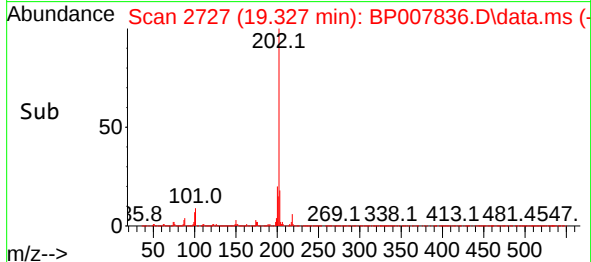
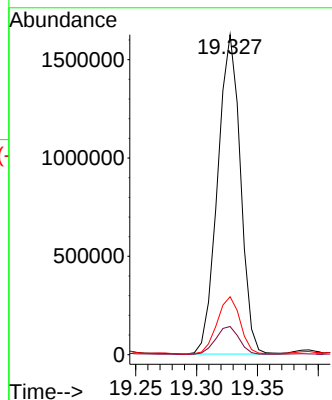
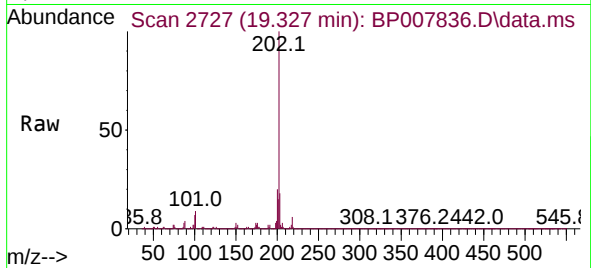




#75
Fluoranthene
Concen: 22.337 ng
RT: 19.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

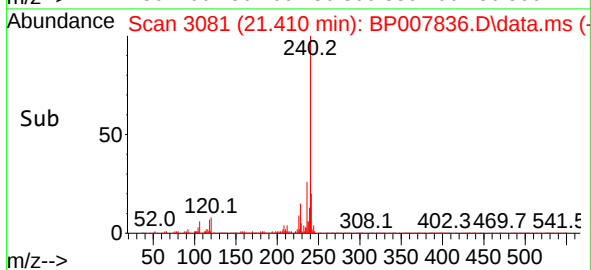
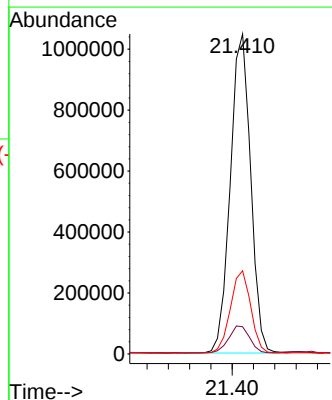
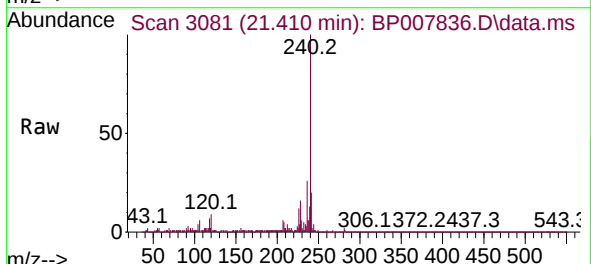
Instrument :
BNA_P
ClientSampleId :

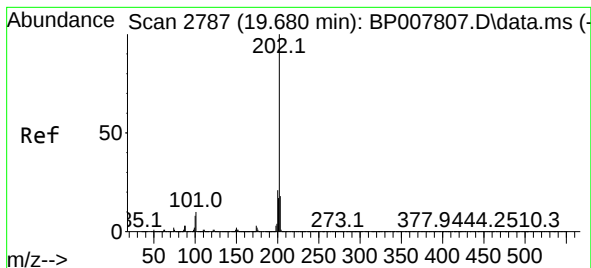
Tgt Ion:202 Resp: 2117307
Ion Ratio Lower Upper
202 100
101 8.8 0.0 30.4
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion:240 Resp: 1386006
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.8
236 26.0 20.6 30.8





#78

Pyrene

Concen: 33.860 ng

RT: 19.680 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

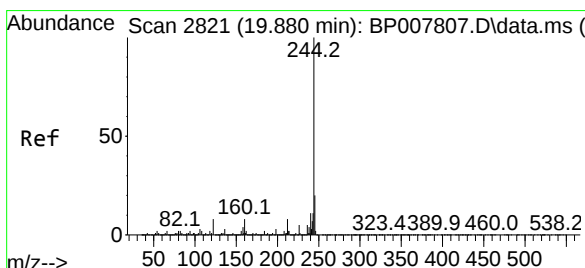
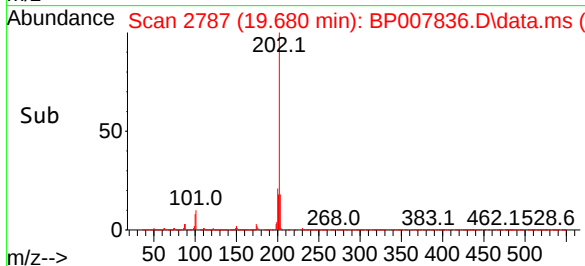
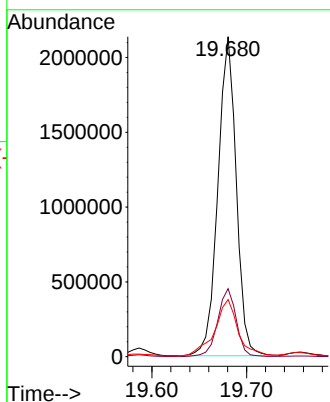
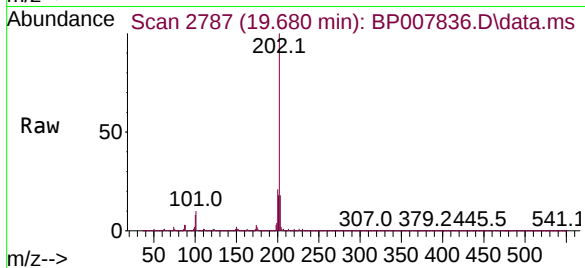
Tgt Ion:202 Resp: 2878439

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 54.476 ng

RT: 19.880 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

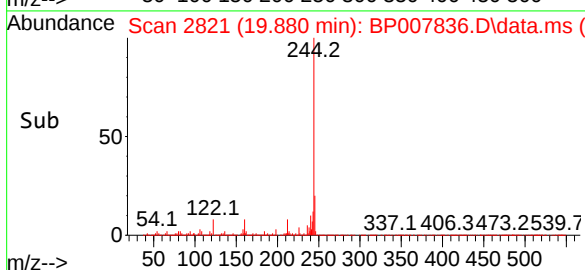
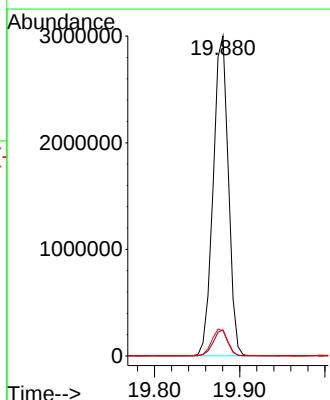
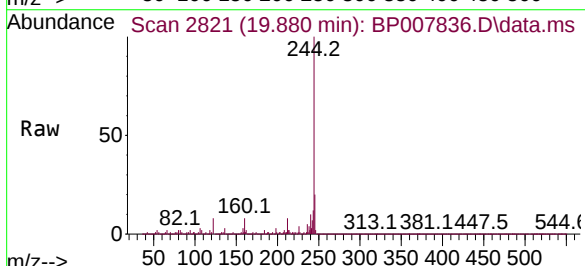
Tgt Ion:244 Resp: 3707956

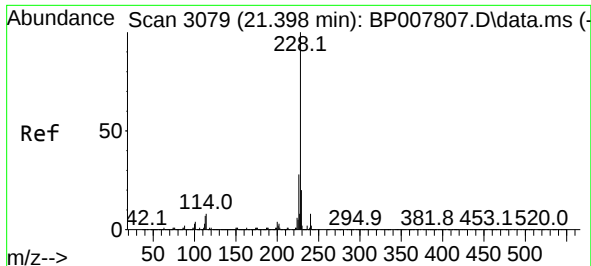
Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 7.9 7.8 11.8

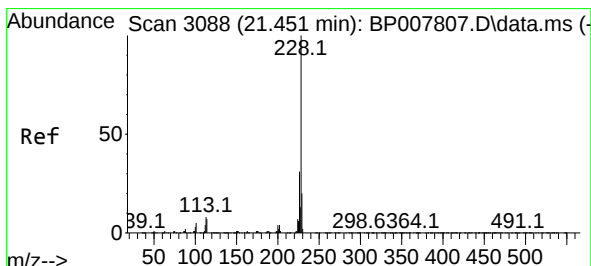
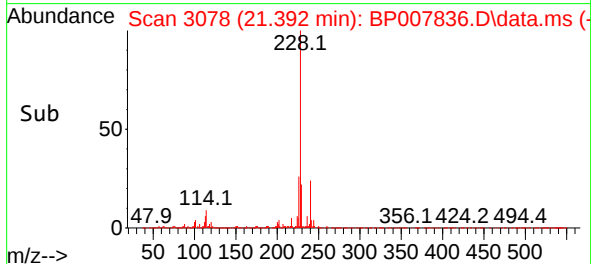
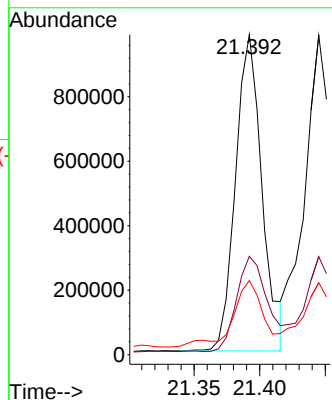
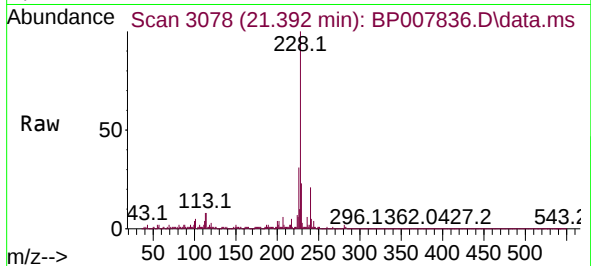




#81
Benzo(a)anthracene
Concen: 15.118 ng
RT: 21.392 min Scan# 3079
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

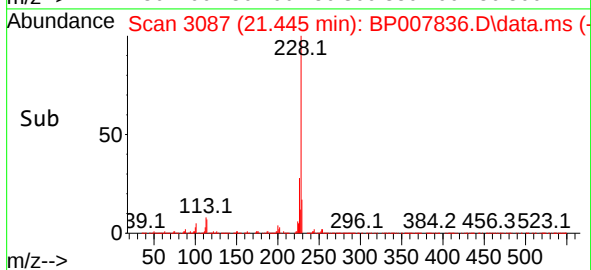
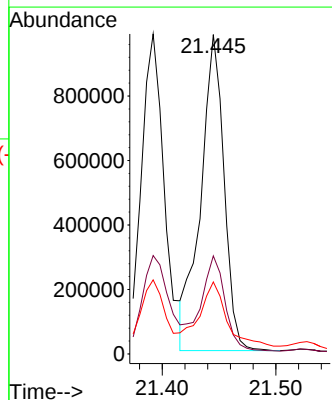
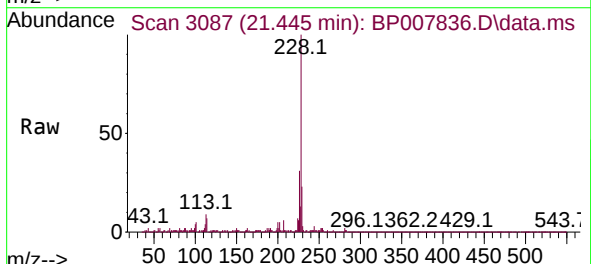
Instrument :
BNA_P
ClientSampleId :

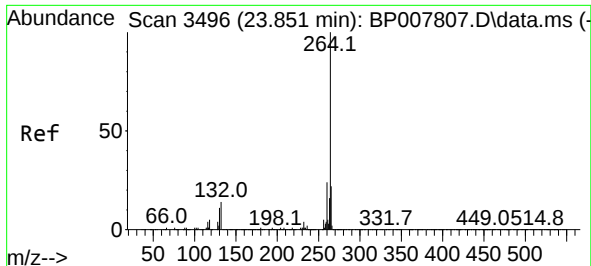
Tgt Ion:228 Resp: 1380428
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.6
229 23.1 15.7 23.5



#83
Chrysene
Concen: 16.226 ng
RT: 21.445 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion:228 Resp: 1402648
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 22.5 15.7 23.5

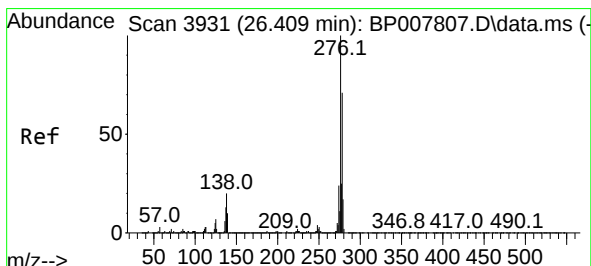
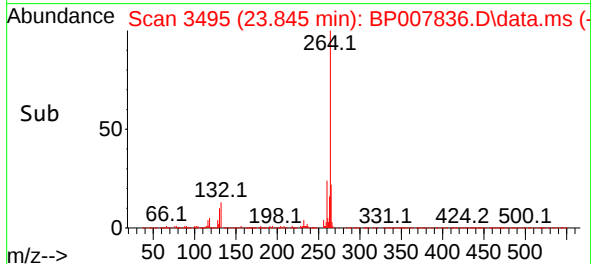
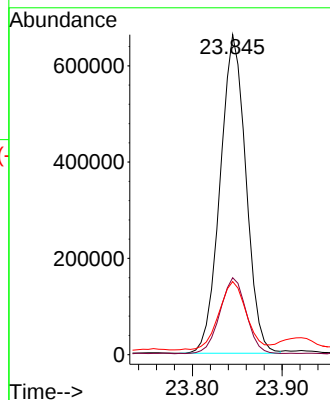
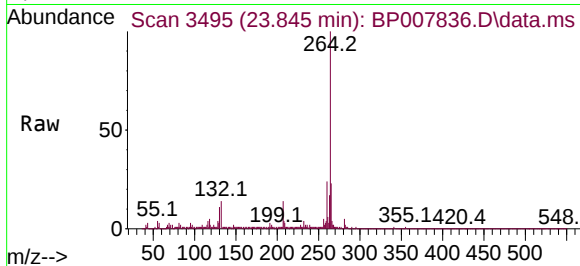




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.845 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

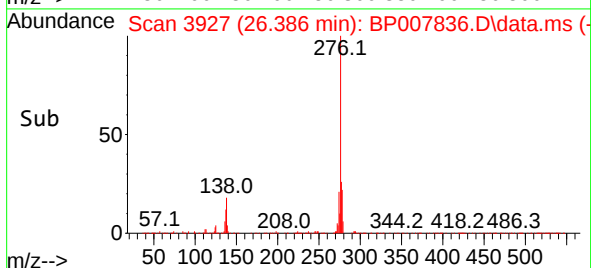
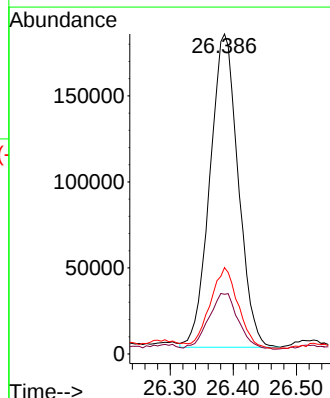
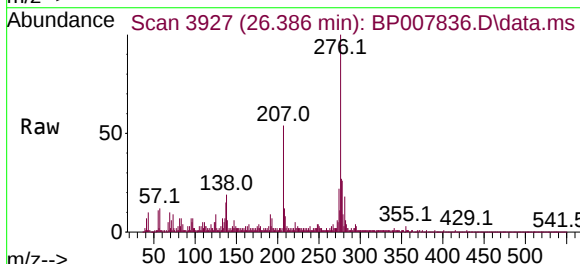
Instrument :
BNA_P
ClientSampleId :

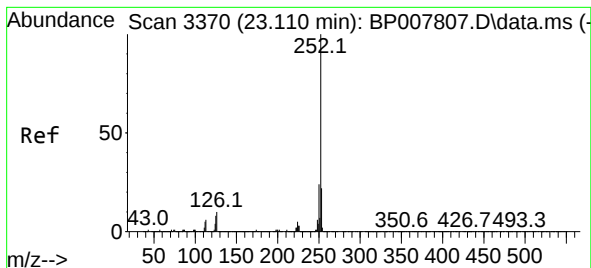
Tgt Ion:264 Resp: 1319452
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 22.9 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.765 ng
RT: 26.386 min Scan# 3927
Delta R.T. -0.024 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Tgt Ion:276 Resp: 566979
Ion Ratio Lower Upper
276 100
138 18.6 19.4 29.0#
277 25.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 20.401 ng

RT: 23.104 min Scan# 3369

Delta R.T. -0.006 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

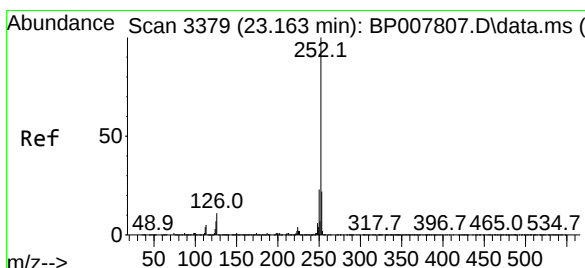
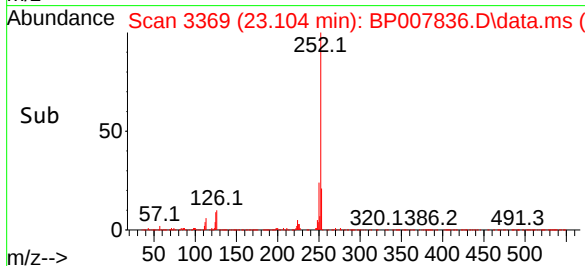
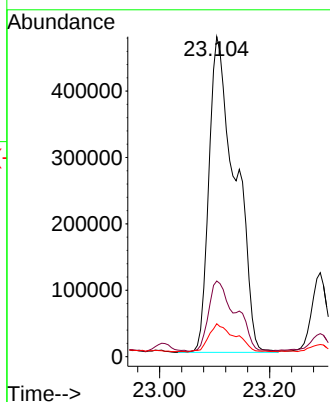
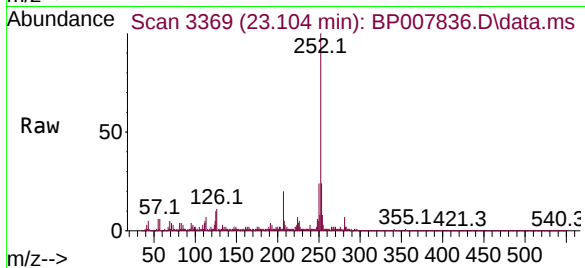
Tgt Ion:252 Resp: 1586717

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 10.3 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 20.555 ng

RT: 23.104 min Scan# 3369

Delta R.T. -0.059 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

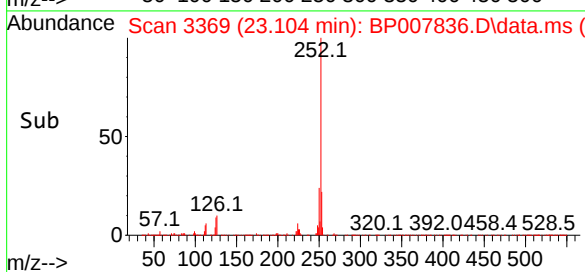
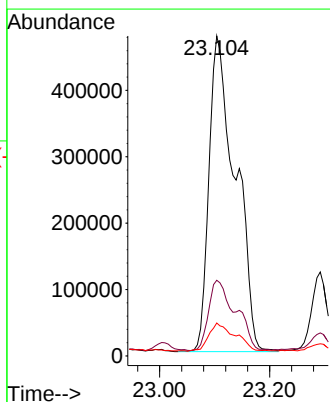
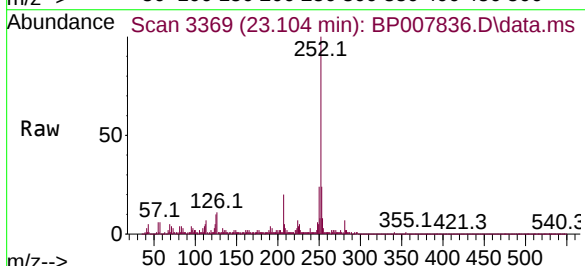
Tgt Ion:252 Resp: 1586717

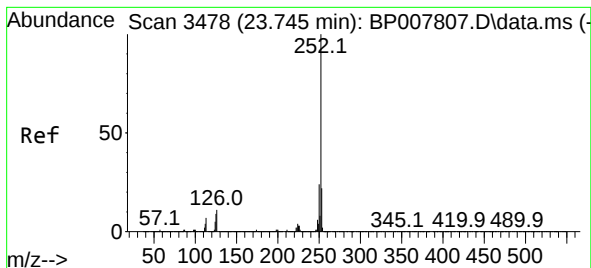
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 10.3 7.4 11.0





#90

Benzo(a)pyrene

Concen: 15.231 ng

RT: 23.733 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

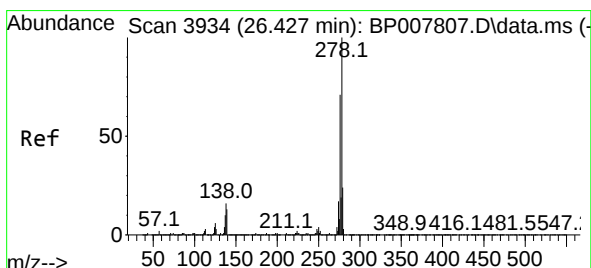
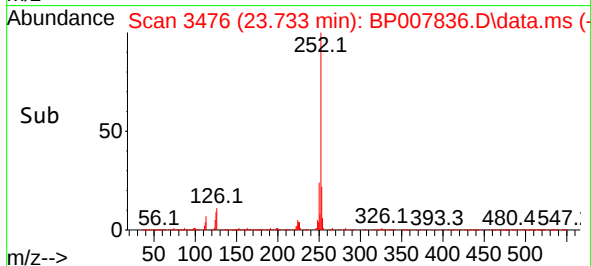
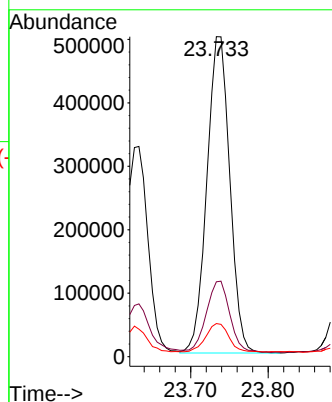
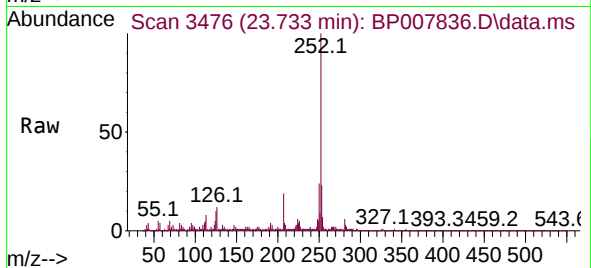
Tgt Ion:252 Resp: 1025750

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 10.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.124 ng

RT: 26.392 min Scan# 3928

Delta R.T. -0.035 min

Lab File: BP007836.D

Acq: 03 Nov 2021 22:42

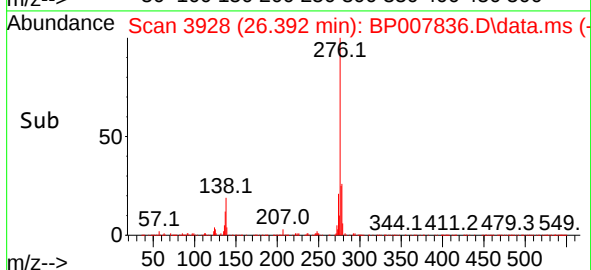
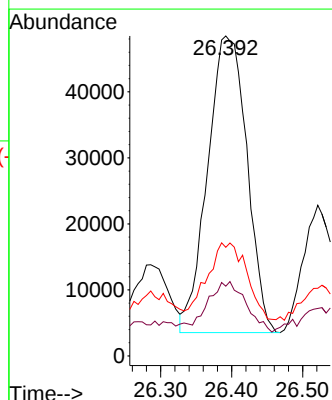
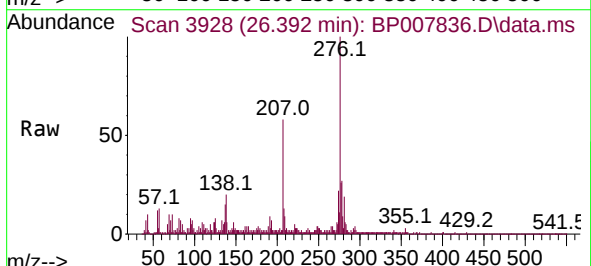
Tgt Ion:278 Resp: 173132

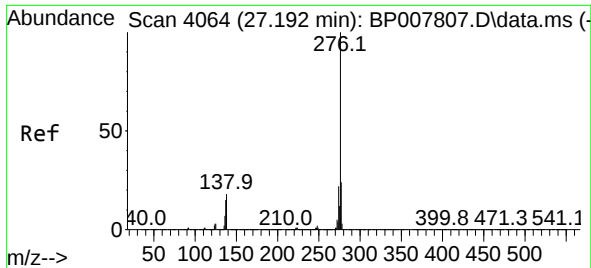
Ion Ratio Lower Upper

278 100

139 21.8 11.8 17.6#

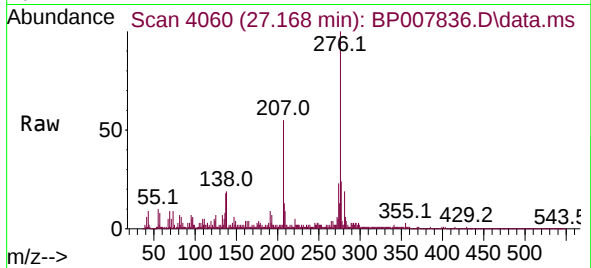
279 34.0 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 7.498 ng
 RT: 27.168 min Scan# 4060
 Delta R.T. -0.024 min
 Lab File: BP007836.D
 Acq: 03 Nov 2021 22:42

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:	276	Resp:	606341
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	18.5	16.2	24.4

