

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 :
 MH-HHD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2021
 Supervised By : mohammad ahmed 11/08/2021

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	20.00	ng	0.00
21) Naphthalene-d8	10.722	136	933467	20.00	ng	0.00
39) Acenaphthene-d10	14.557	164	642907	20.00	ng	0.00
64) Phenanthrene-d10	17.316	188	1429350	20.00	ng	0.00
76) Chrysene-d12	21.410	240	1386006	20.00	ng	0.00
86) Perylene-d12	23.845	264	1319452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1316033	96.42	ng	0.00
7) Phenol-d6	7.093	99	1655841	83.81	ng	0.00
23) Nitrobenzene-d5	9.081	82	1016865	58.52	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	831947	90.67	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	2402625	54.42	ng	0.00
79) Terphenyl-d14	19.880	244	3707956	54.48	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.281	152	322015	5.68	ng	99
58) Fluorene	15.610	166	137041	3.12	ng	98
71) Phenanthrene	17.357	178	1411913	18.79	ng	99
72) Anthracene	17.445	178	456731	6.18	ng	99
75) Fluoranthene	19.327	202	2117307	22.34	ng	98
78) Pyrene	19.680	202	2878439	33.86	ng	99
81) Benzo(a)anthracene	21.392	228	1380428	15.12	ng	93
83) Chrysene	21.445	228	1402648	16.23	ng	97
87) Indeno(1,2,3-cd)pyrene	26.386	276	566979	5.76	ng	# 94
88) Benzo(b)fluoranthene	23.104	252	1272427m	16.36	ng	
89) Benzo(k)fluoranthene	23.145	252	337615m	4.37	ng	
90) Benzo(a)pyrene	23.733	252	1025750	15.23	ng	98
91) Dibenzo(a,h)anthracene	26.392	278	173132	2.12	ng	# 80
92) Benzo(g,h,i)perylene	27.168	276	606341	7.50	ng	98

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

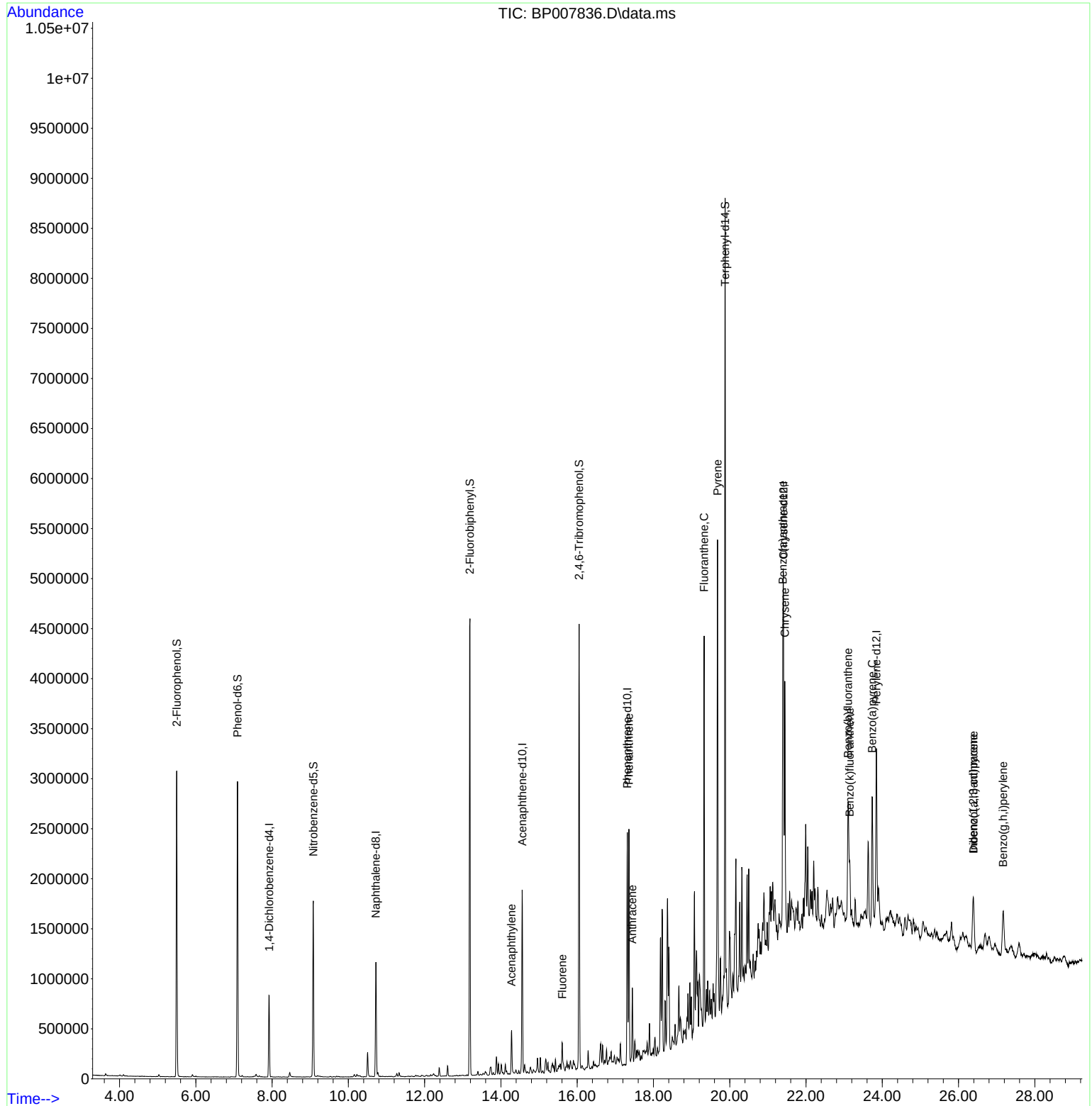
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
Data File : BP007836.D
Acq On : 03 Nov 2021 22:42
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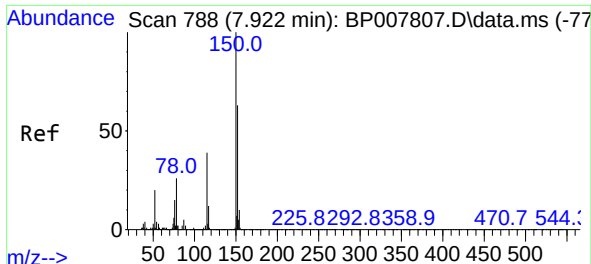
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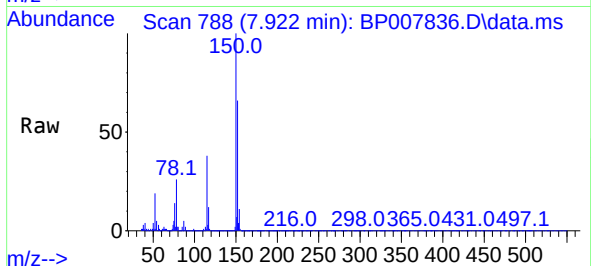
Quant Time: Nov 04 07:33:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 02 19:18:55 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.922 min Scan# 788
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

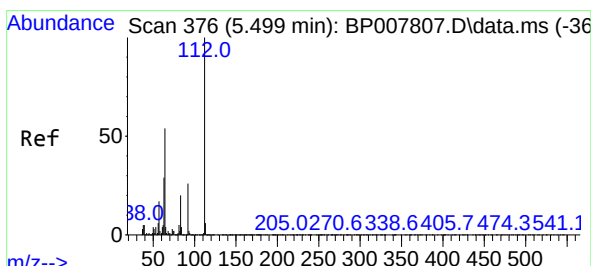
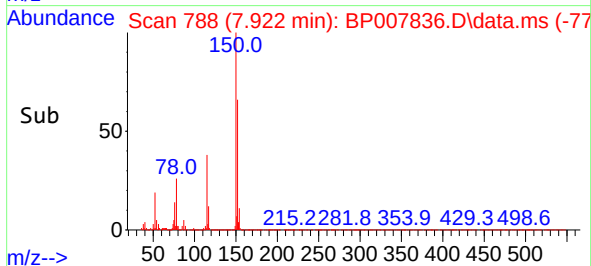
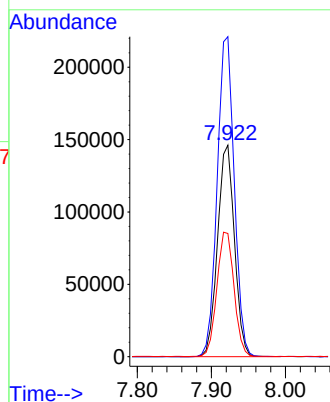
Instrument :
BNA_P
ClientSampleId :
MH-HHD



Tgt Ion:152 Resp: 231480
Ion Ratio Lower Upper
152 100
150 151.3 124.1 186.1
115 58.2 48.1 72.1

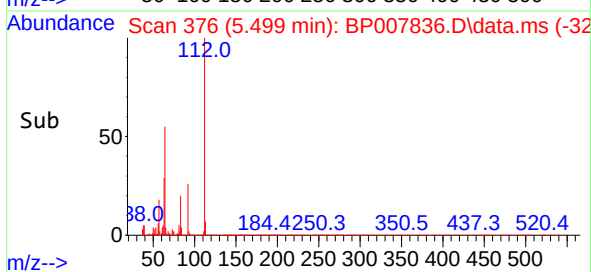
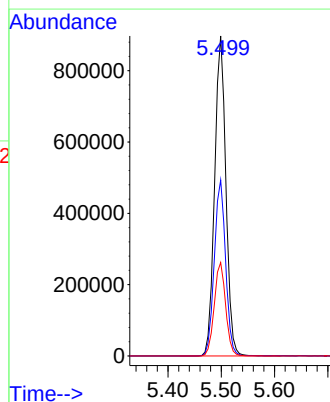
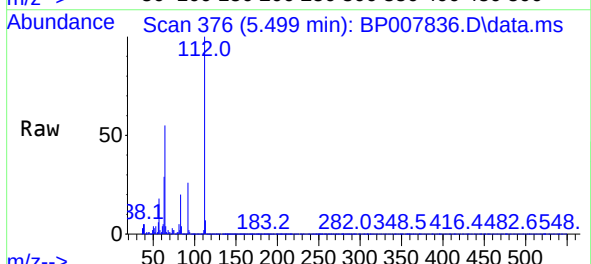
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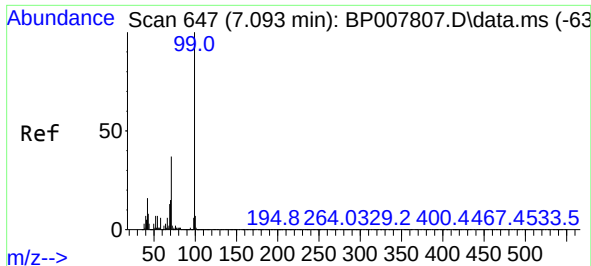
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#5
2-Fluorophenol
Concen: 96.42 ng
RT: 5.499 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

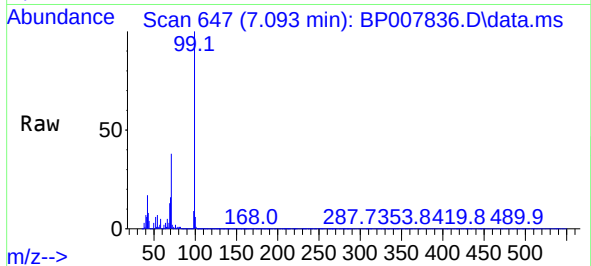
Tgt Ion:112 Resp: 1316033
Ion Ratio Lower Upper
112 100
64 55.0 46.6 70.0
63 29.2 25.0 37.6





#7
Phenol-d6
Concen: 83.81 ng
RT: 7.093 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

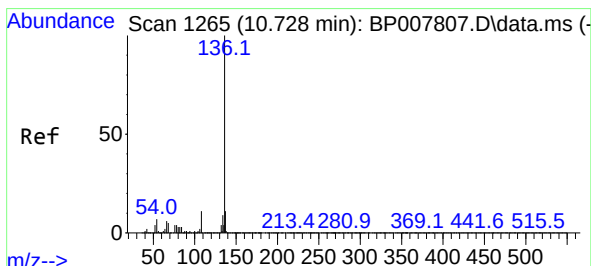
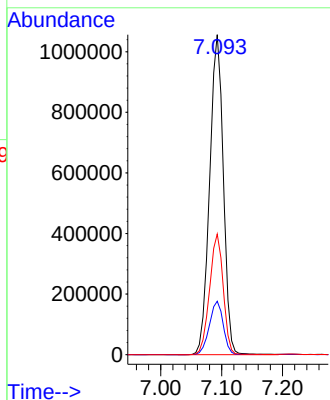
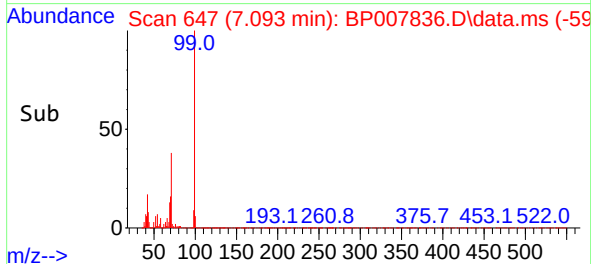
Instrument :
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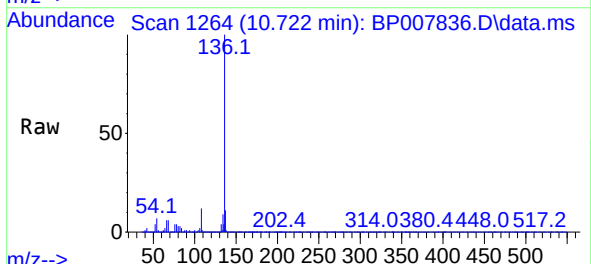
Tgt Ion: 99 Resp: 165584
Ion Ratio Lower Upper
99 100
42 16.7 14.9 22.3
71 37.7 29.2 43.8

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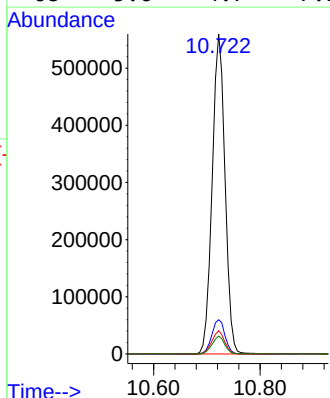
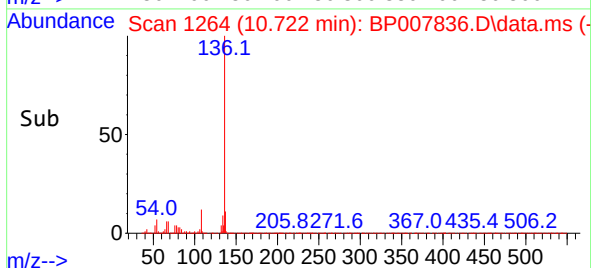
Reviewed By :Christian Giraldo 11/04/2021
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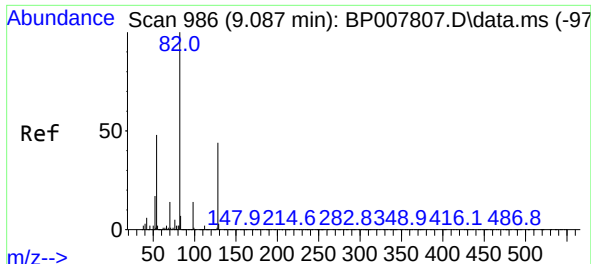


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42



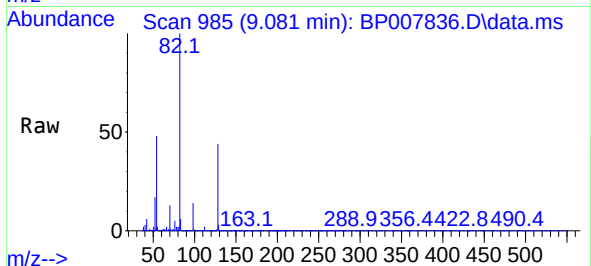
Tgt Ion:136 Resp: 933467
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.2 6.2 9.4
68 5.6 4.7 7.1





#23
Nitrobenzene-d5
Concen: 58.52 ng
RT: 9.081 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

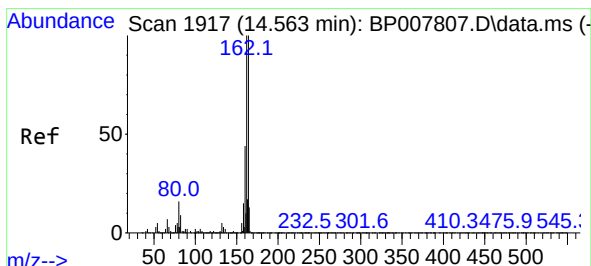
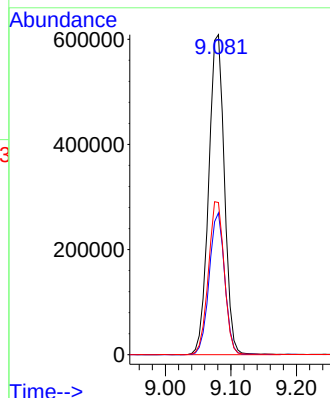
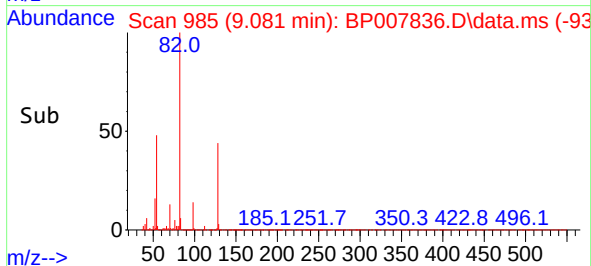
Instrument :
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ClientSampleId :
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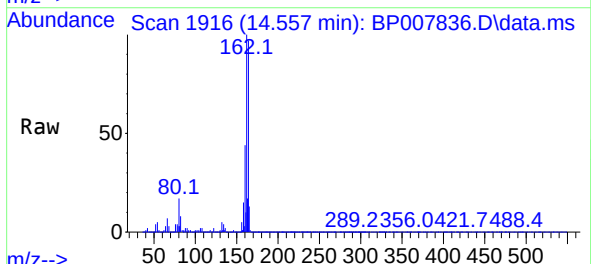
Tgt Ion: 82 Resp: 101686
Ion Ratio Lower Upper
82 100
128 44.3 32.6 48.8
54 47.5 40.4 60.6

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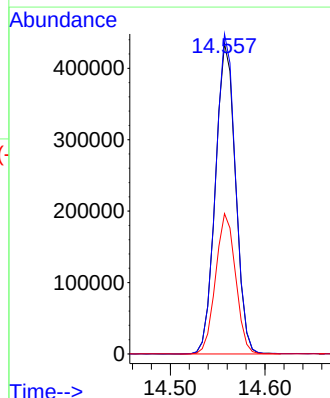
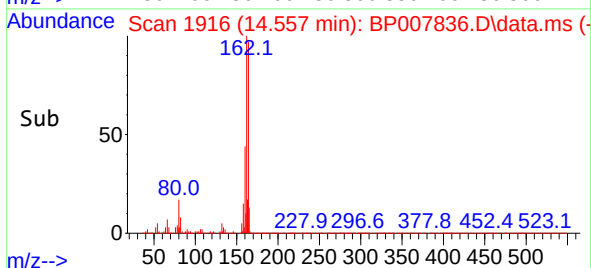
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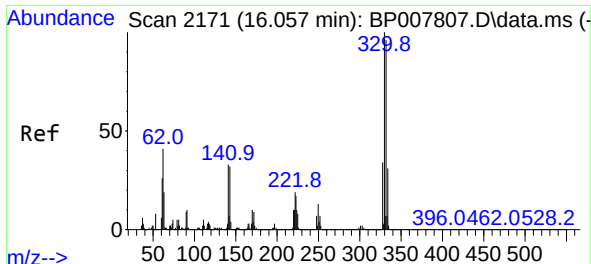


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42



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: 90.67 ng
RT: 16.051 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Instrument :

BNA_P

ClientSampleId :

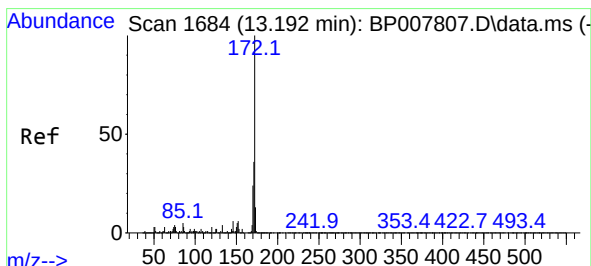
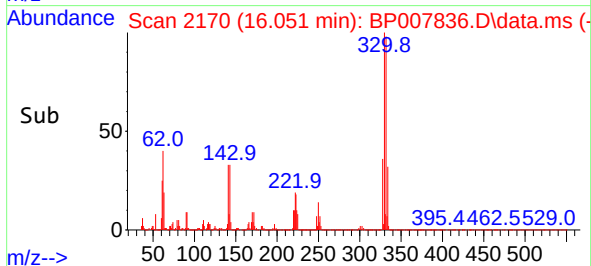
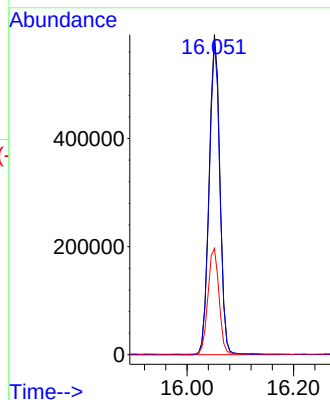
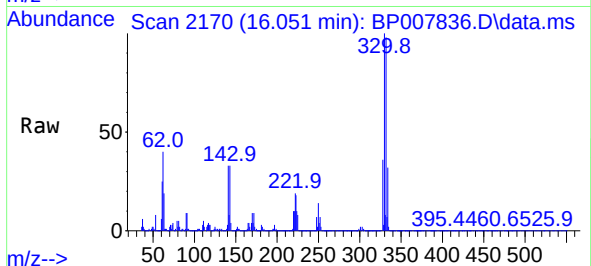
MH-HHD

Tgt Ion:330 Resp: 83194
Ion Ratio Lower Upper
330 100
332 96.7 78.9 118.3
141 33.8 30.7 46.1

Manual Integrations

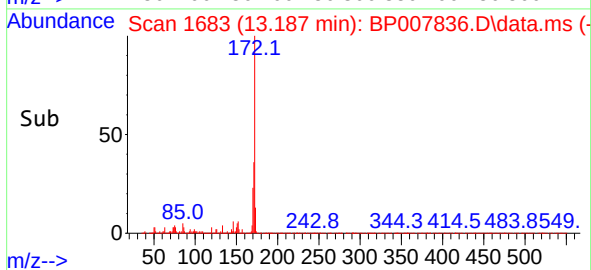
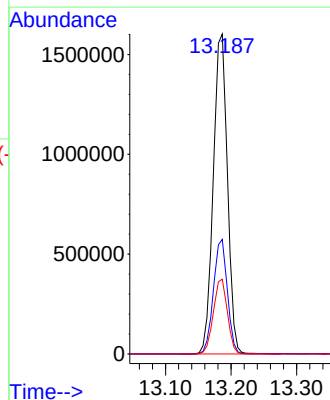
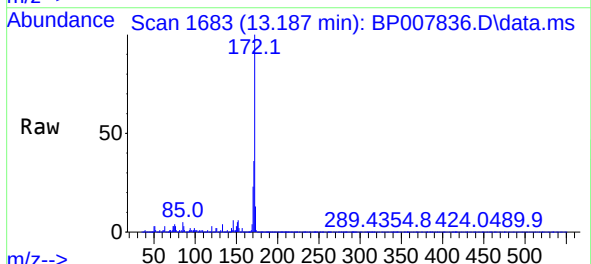
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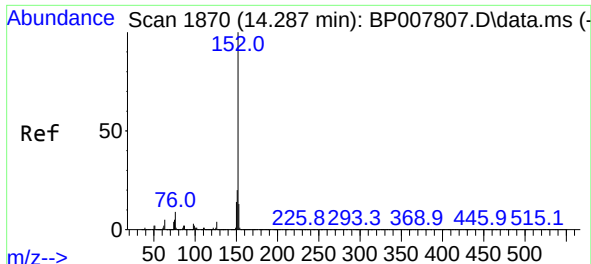
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Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 54.42 ng
RT: 13.187 min Scan# 1683
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

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





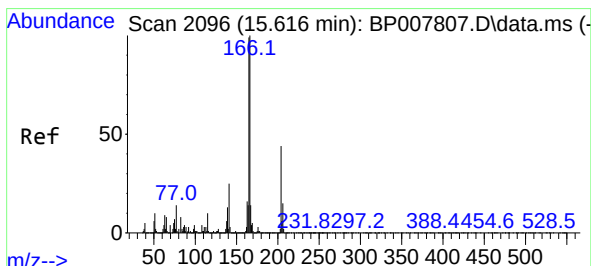
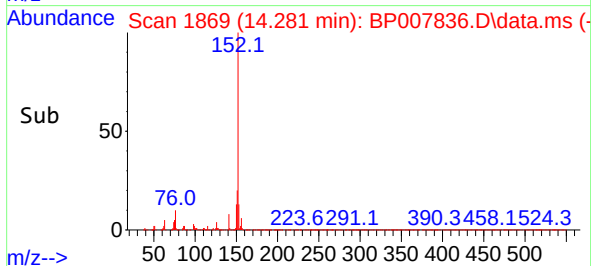
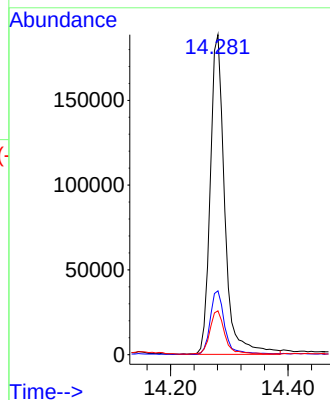
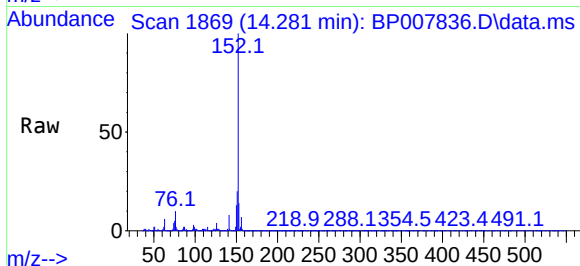
#49
Acenaphthylene
Concen: 5.68 ng
RT: 14.281 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Instrument :
BNA_P
ClientSampleId :
MH-HHD

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

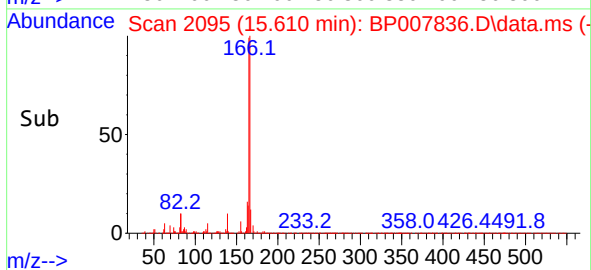
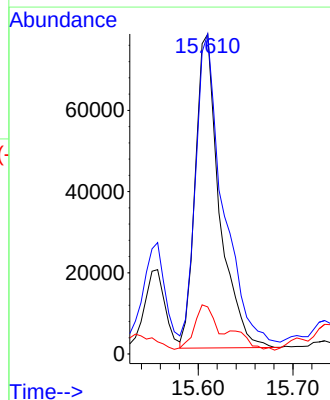
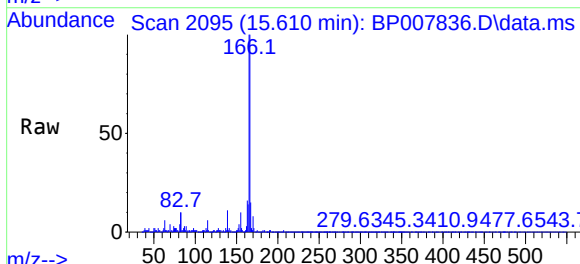
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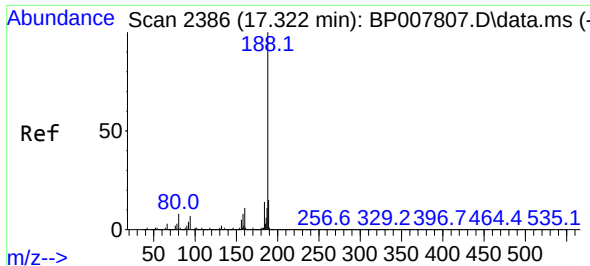
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Supervised By :mohammad ahmed 11/08/2021



#58
Fluorene
Concen: 3.12 ng
RT: 15.610 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

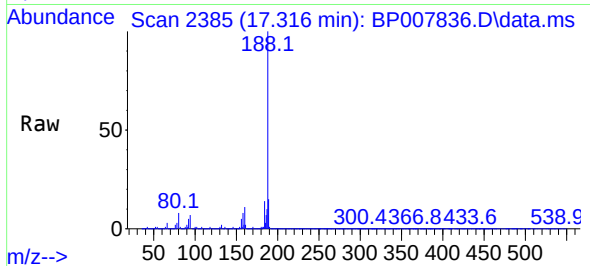
Tgt Ion:166 Resp: 137041
Ion Ratio Lower Upper
166 100
165 100.1 78.9 118.3
167 14.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.316 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

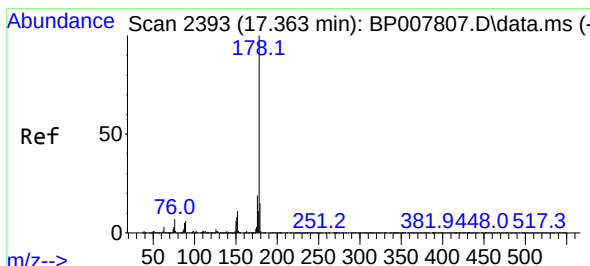
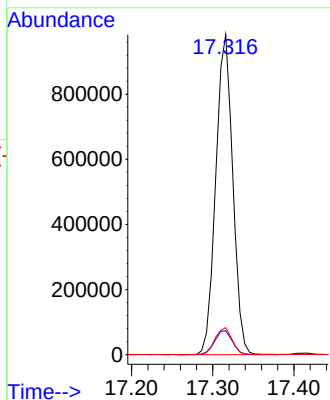
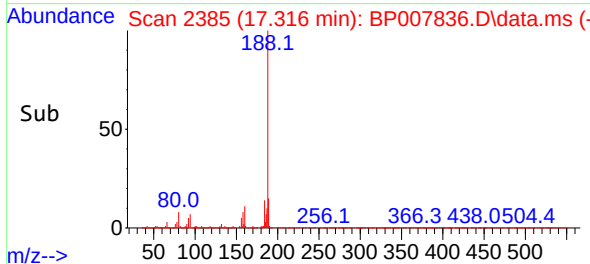
Instrument :
BNA_P
ClientSampleId :
MH-HHD



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

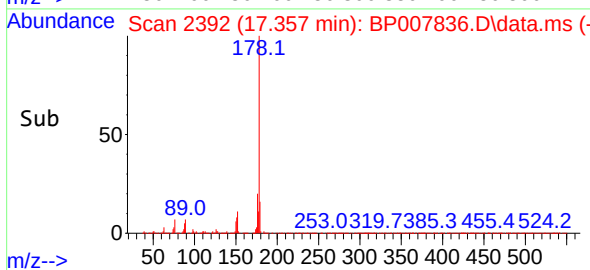
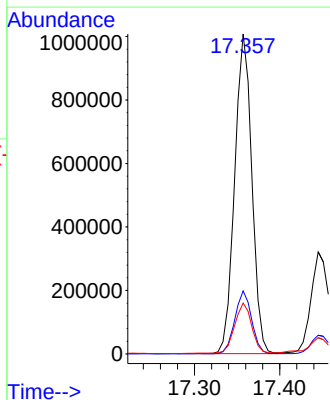
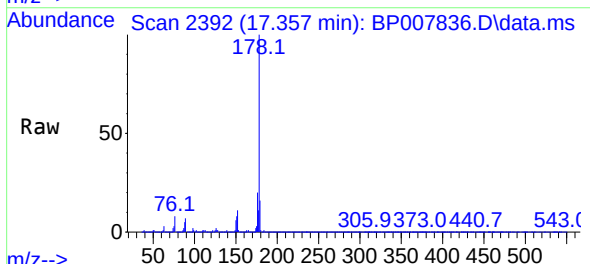
Manual Integrations
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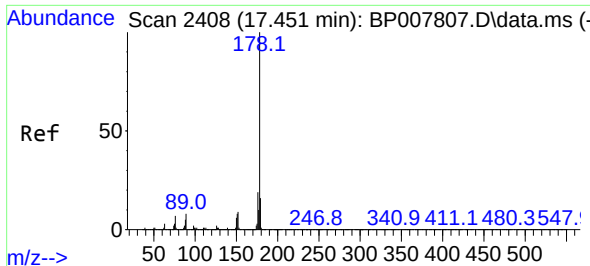
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 18.79 ng
RT: 17.357 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

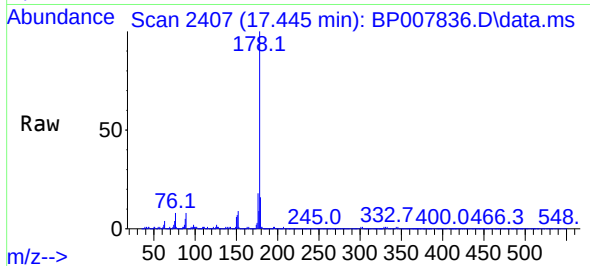
Tgt Ion:178 Resp: 1411913
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.9 12.3 18.5





#72
 Anthracene
 Concen: 6.18 ng
 RT: 17.445 min Scan# 2408
 Delta R.T. -0.006 min
 Lab File: BP007836.D
 Acq: 03 Nov 2021 22:42

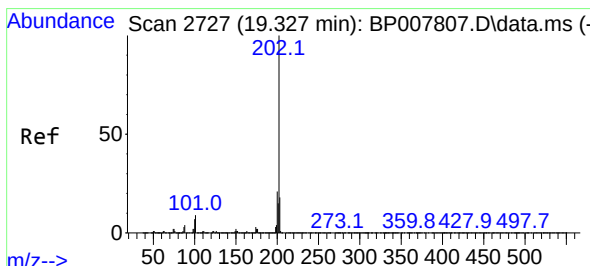
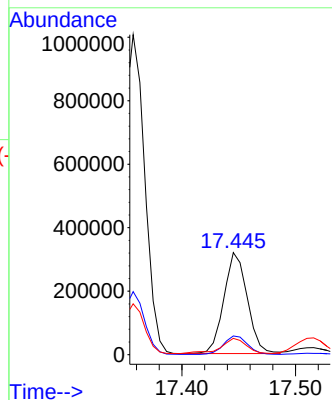
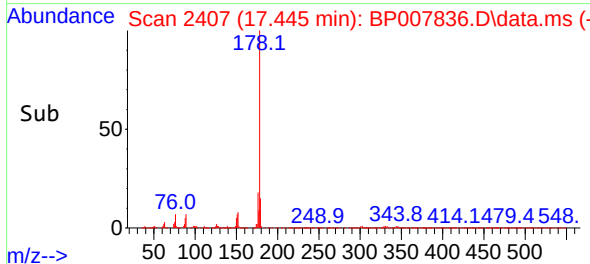
Instrument :
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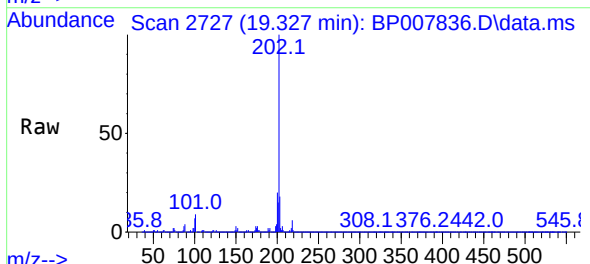
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 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 16.0 12.2 18.4

Manual Integrations
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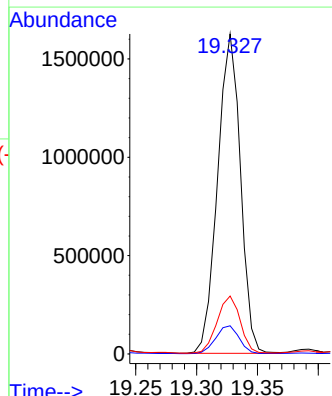
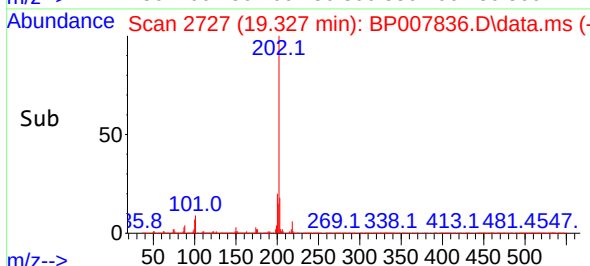
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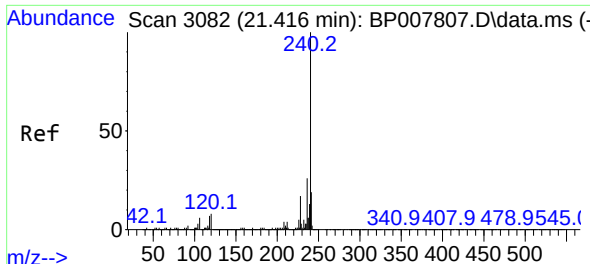


#75
 Fluoranthene
 Concen: 22.34 ng
 RT: 19.327 min Scan# 2727
 Delta R.T. 0.000 min
 Lab File: BP007836.D
 Acq: 03 Nov 2021 22:42



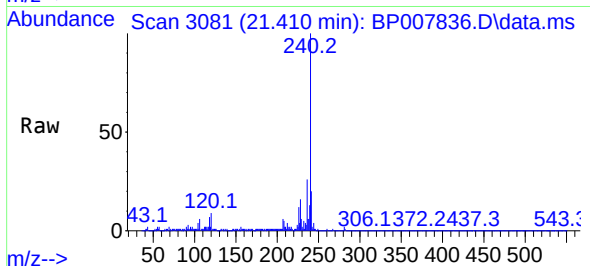
Tgt Ion:202 Resp: 2117307
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.4
 203 18.1 0.0 37.6





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.410 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

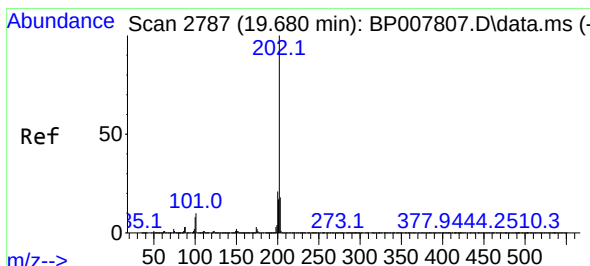
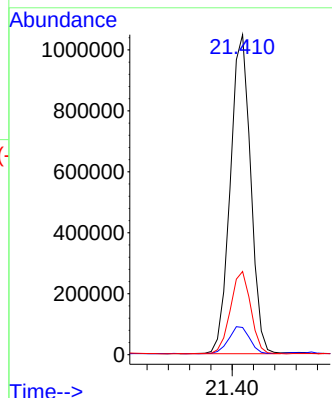
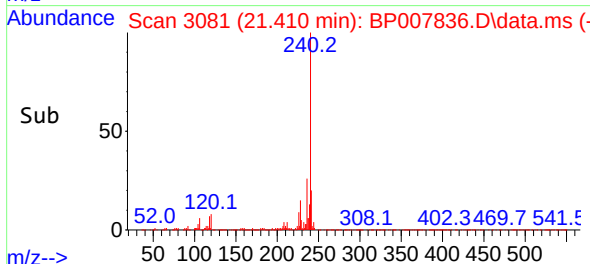
Instrument :
BNA_P
ClientSampleId :
MH-HHD



Tgt Ion:240 Resp: 1386000
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.8
236 26.0 20.6 30.8

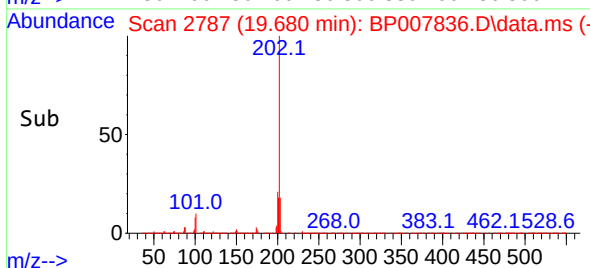
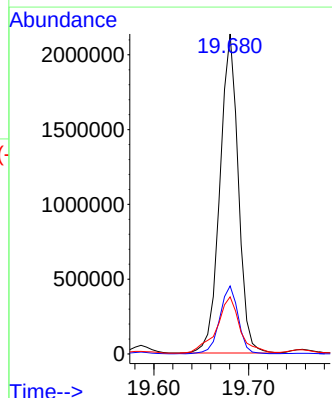
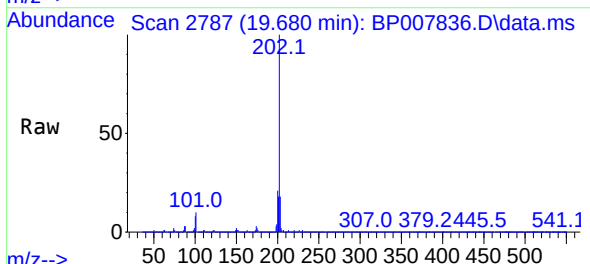
Manual Integrations
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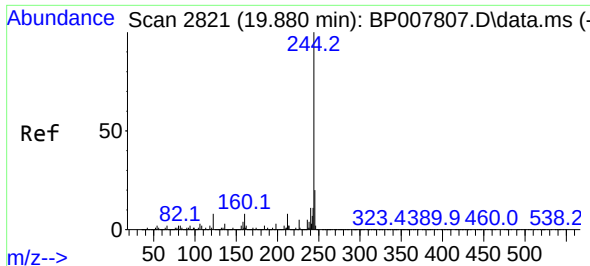
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#78
Pyrene
Concen: 33.86 ng
RT: 19.680 min Scan# 2787
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

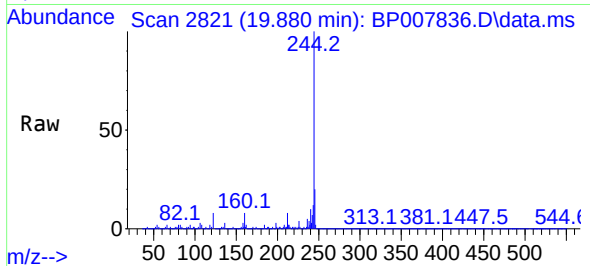
Tgt Ion:202 Resp: 2878439
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.9 13.8 20.6





#79
Terphenyl-d14
Concen: 54.48 ng
RT: 19.880 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

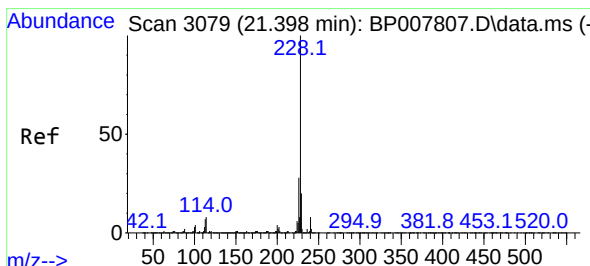
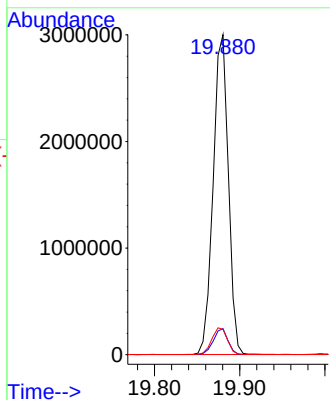
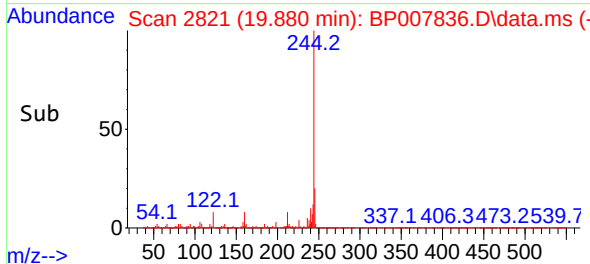
Instrument :
BNA_P
ClientSampleId :
MH-HHD



Tgt Ion:244 Resp: 3707950
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 7.9 7.8 11.8

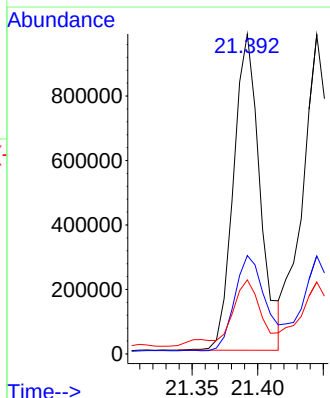
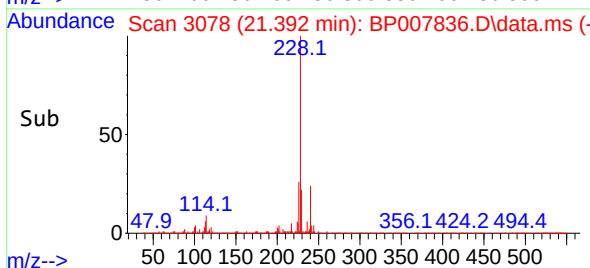
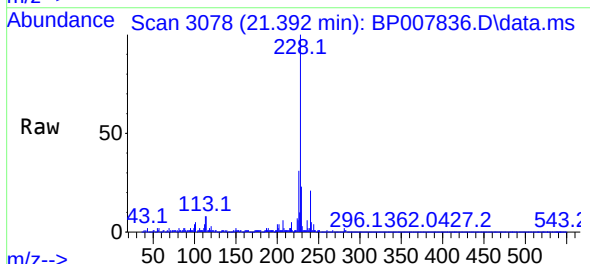
Manual Integrations
APPROVED

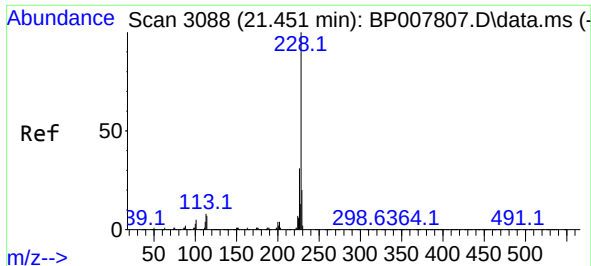
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#81
Benzo(a)anthracene
Concen: 15.12 ng
RT: 21.392 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

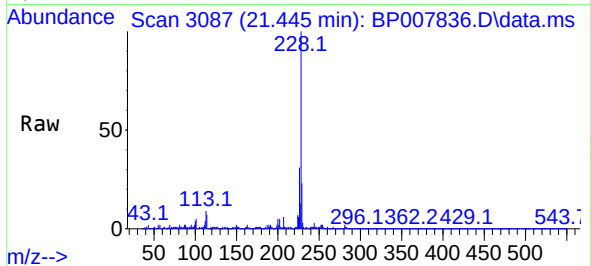
Tgt Ion:228 Resp: 1380428
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.6
229 23.1 15.7 23.5





#83
Chrysene
Concen: 16.23 ng
RT: 21.445 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

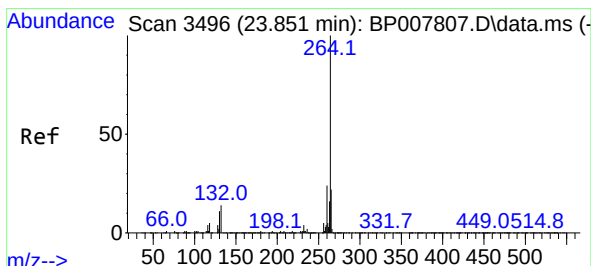
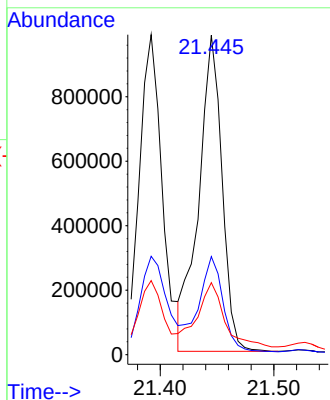
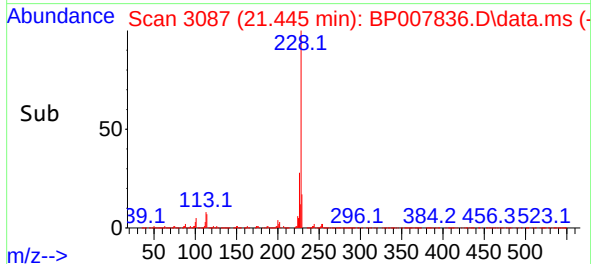
Instrument :
BNA_P
ClientSampleId :
MH-HHD



Tgt Ion:228 Resp: 140264
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 22.5 15.7 23.5

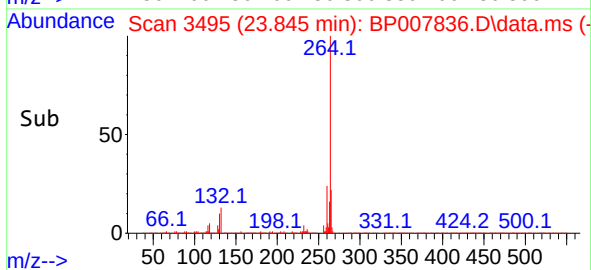
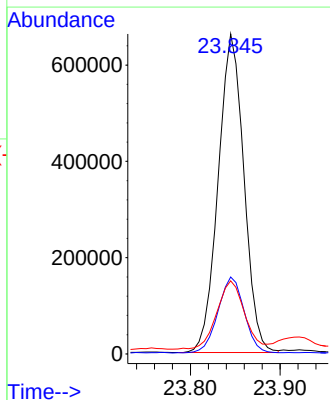
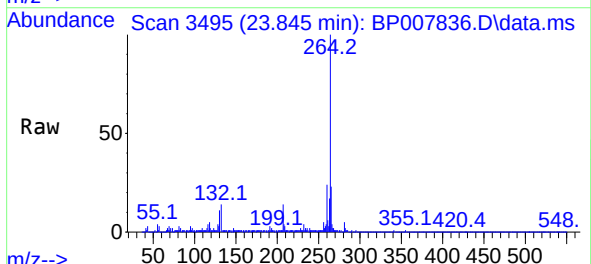
Manual Integrations
APPROVED

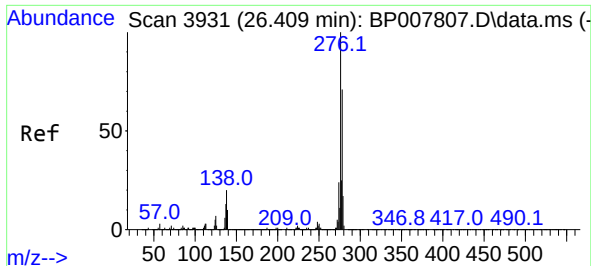
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.845 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

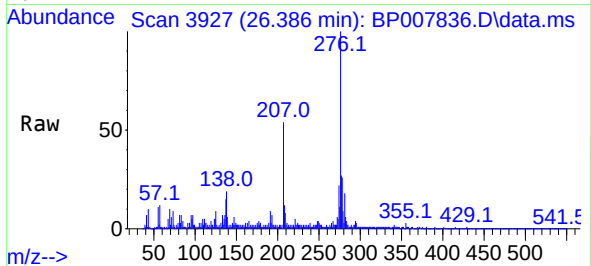
Tgt Ion:264 Resp: 1319452
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 22.9 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.76 ng
RT: 26.386 min Scan# 3931
Delta R.T. -0.024 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

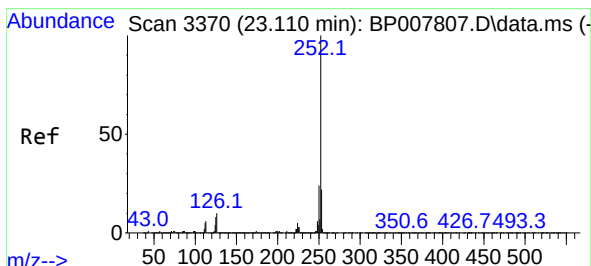
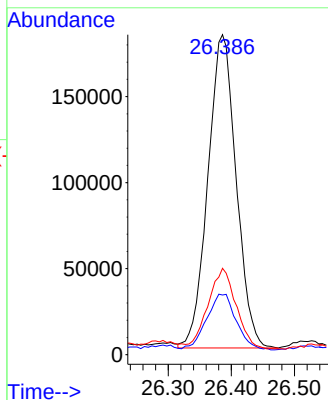
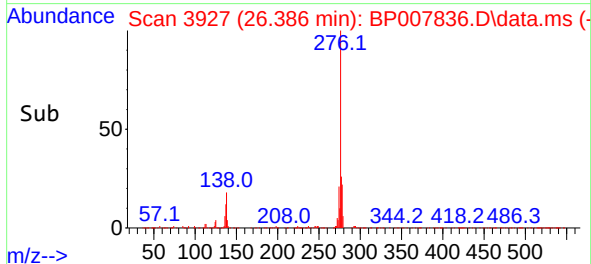
Instrument :
BNA_P
ClientSampleId :
MH-HHD



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

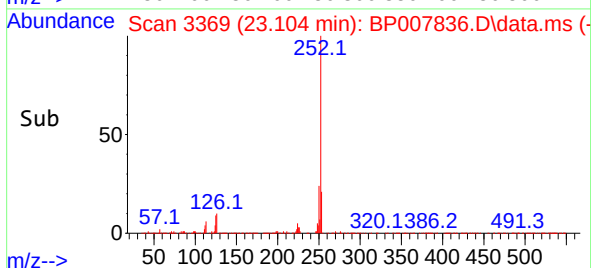
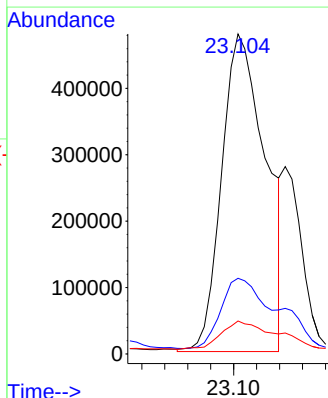
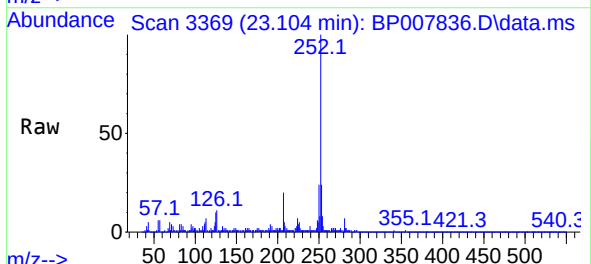
Manual Integrations
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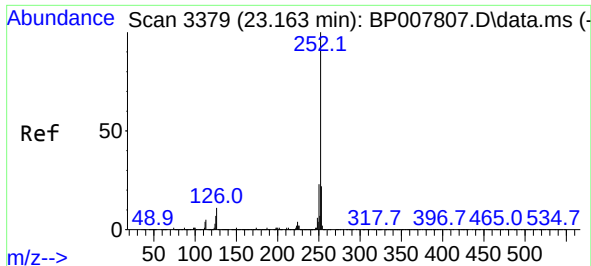
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#88
Benzo(b)fluoranthene
Concen: 16.36 ng m
RT: 23.104 min Scan# 3369
Delta R.T. -0.006 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

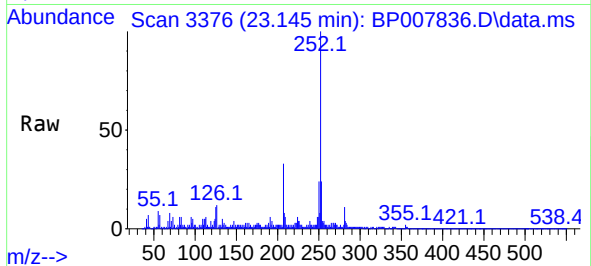
Tgt Ion:252 Resp: 1272427
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 10.3 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 4.37 ng m
RT: 23.145 min Scan# 3379
Delta R.T. -0.018 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

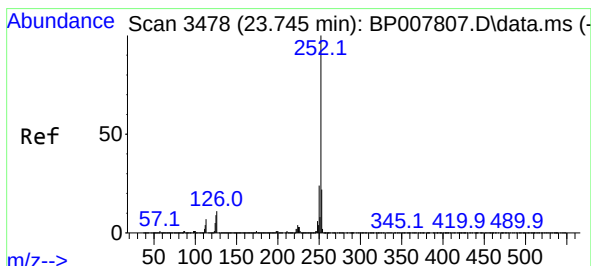
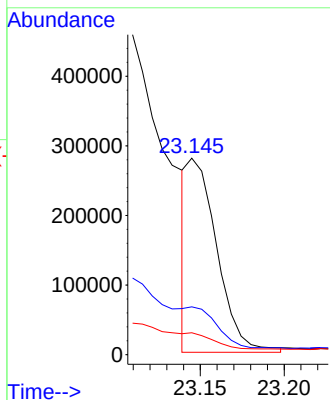
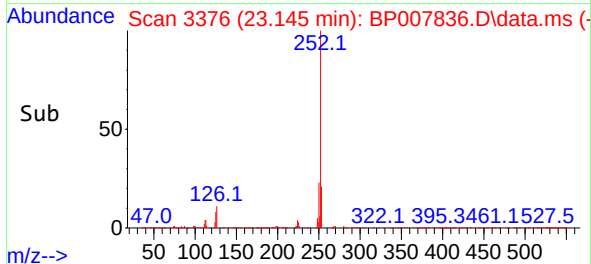
Instrument :
BNA_P
ClientSampleId :
MH-HHD



Tgt Ion:252 Resp: 337615
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 11.2 7.4 11.0

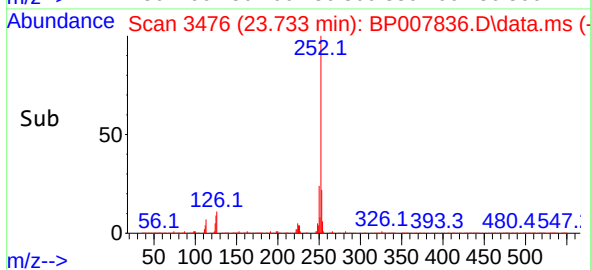
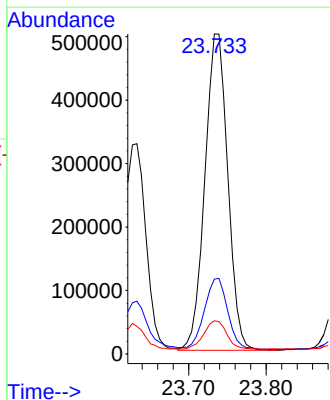
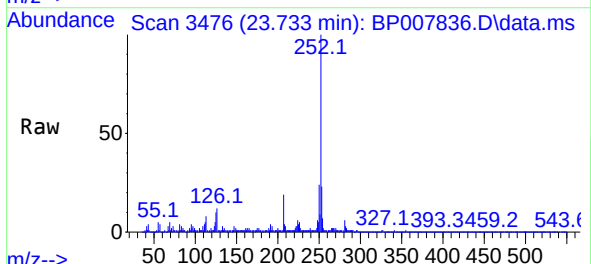
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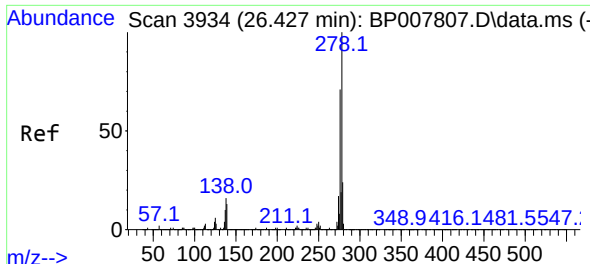
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#90
Benzo(a)pyrene
Concen: 15.23 ng
RT: 23.733 min Scan# 3476
Delta R.T. -0.012 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

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





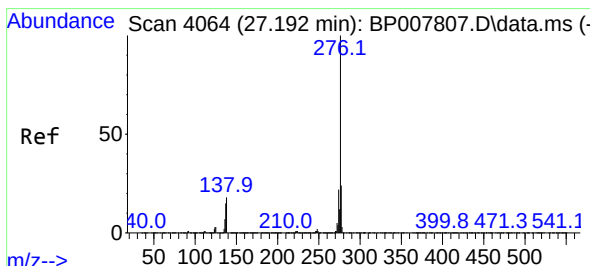
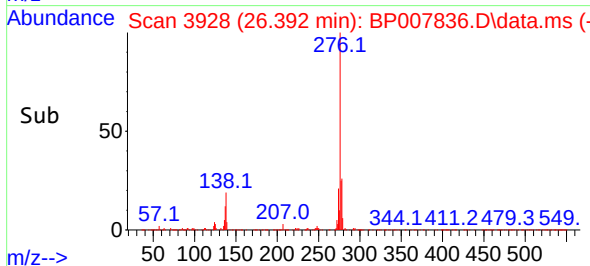
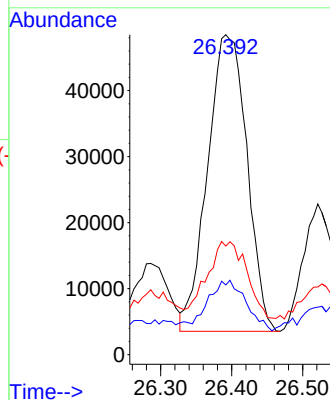
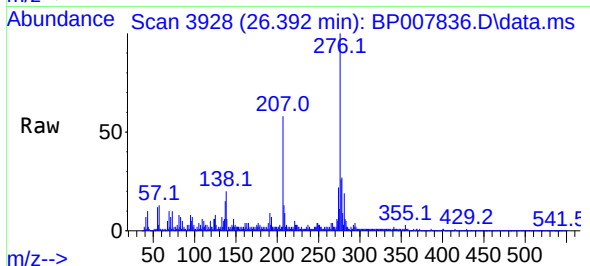
#91
Dibenzo(a,h)anthracene
Concen: 2.12 ng
RT: 26.392 min Scan# 3934
Delta R.T. -0.035 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

Instrument :
BNA_P
ClientSampleId :
MH-HHD

Tgt Ion:278 Resp: 17313
Ion Ratio Lower Upper
278 100
139 21.8 11.8 17.6
279 34.0 18.6 27.8

Manual Integrations
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Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#92
Benzo(g,h,i)perylene
Concen: 7.50 ng
RT: 27.168 min Scan# 4060
Delta R.T. -0.024 min
Lab File: BP007836.D
Acq: 03 Nov 2021 22:42

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

