

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
 Data File : BP007838.D
 Acq On : 03 Nov 2021 23:50
 Operator : CG/JU
 Sample : M4438-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211101-WC-S

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 07:34:10 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	251961	20.00	ng	0.00
21) Naphthalene-d8	10.722	136	1020570	20.00	ng	0.00
39) Acenaphthene-d10	14.557	164	696613	20.00	ng	0.00
64) Phenanthrene-d10	17.316	188	1508007	20.00	ng	0.00
76) Chrysene-d12	21.404	240	1181289	20.00	ng	-0.01
86) Perylene-d12	23.845	264	1154851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	251113	16.90	ng	0.00
7) Phenol-d6	7.087	99	311918	14.51	ng	0.00
23) Nitrobenzene-d5	9.075	82	198432	10.44	ng	-0.01
42) 2,4,6-Tribromophenol	16.051	330	155061	15.60	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	498164	10.41	ng	-0.01
79) Terphenyl-d14	19.875	244	718862	12.39	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.357	178	332102	4.19	ng	99
75) Fluoranthene	19.322	202	761110	7.61	ng	98
78) Pyrene	19.675	202	758355	10.47	ng	98
81) Benzo(a)anthracene	21.392	228	565428	7.27	ng	95
83) Chrysene	21.445	228	509141m	6.91	ng	
87) Indeno(1,2,3-cd)pyrene	26.380	276	563144m	6.54	ng	
88) Benzo(b)fluoranthene	23.104	252	841658	12.36	ng	96
89) Benzo(k)fluoranthene	23.145	252	287063m	4.25	ng	
90) Benzo(a)pyrene	23.733	252	712014	12.08	ng	97
92) Benzo(g,h,i)perylene	27.168	276	551249	7.79	ng	98

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

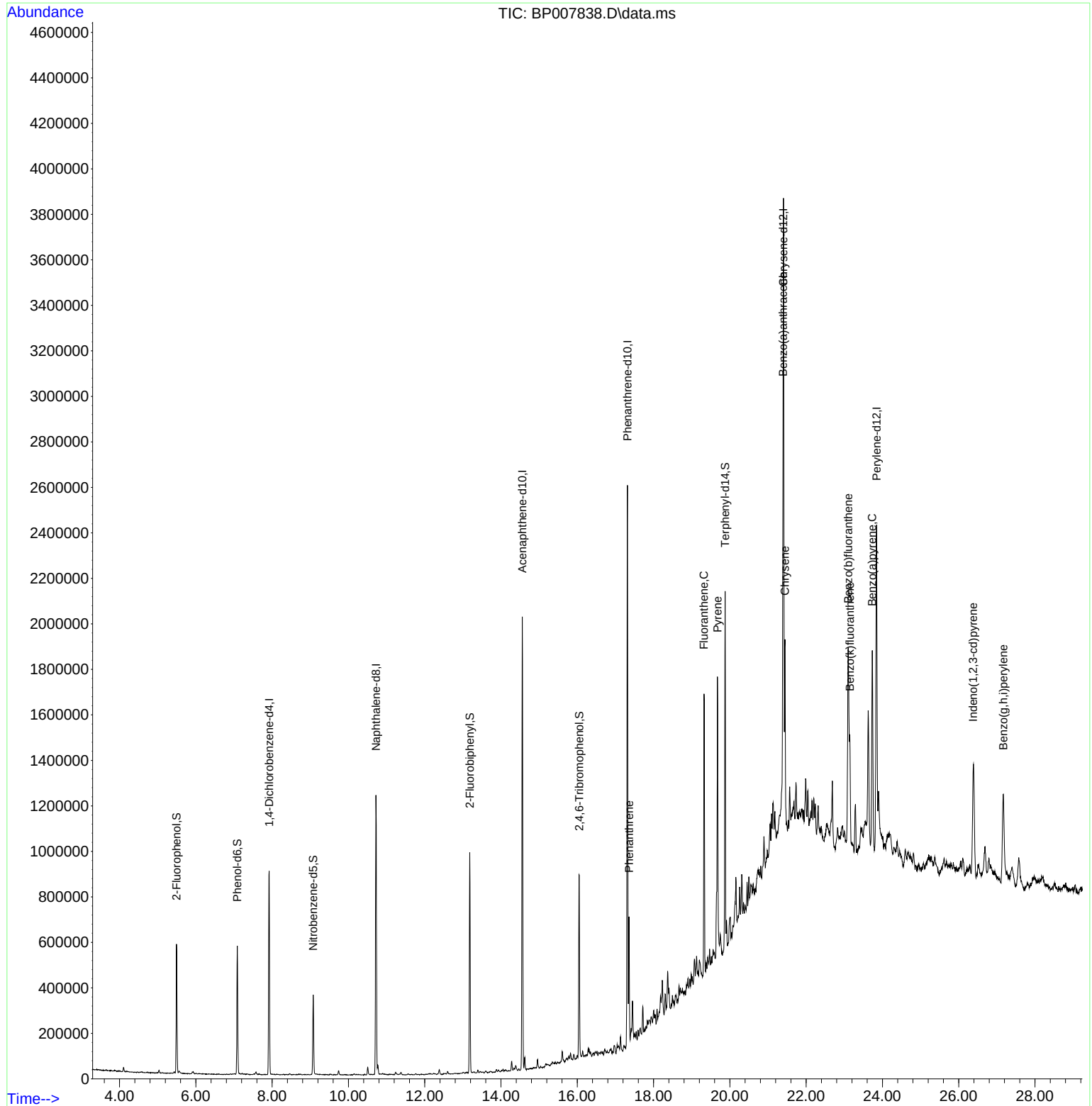
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
Data File : BP007838.D
Acq On : 03 Nov 2021 23:50
Operator : CG/JU
Sample : M4438-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

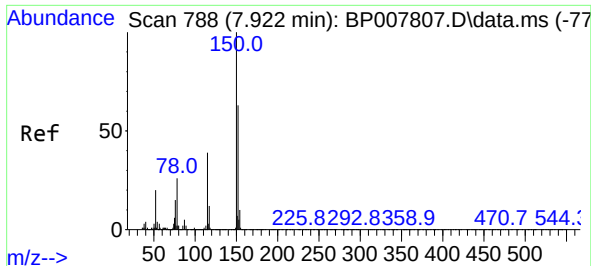
Instrument :
BNA_P
ClientSampleId :
FDR-20211101-WC-S

Quant Time: Nov 04 07:34:10 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

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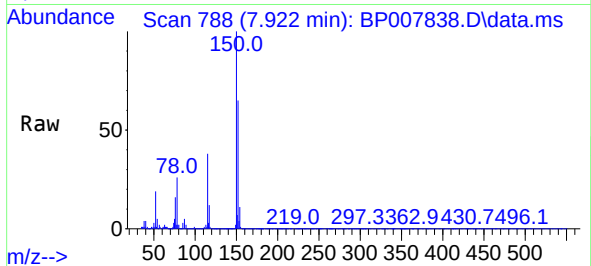
Reviewed By : Christian Giraldo 11/04/2021
Supervised By : mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.922 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

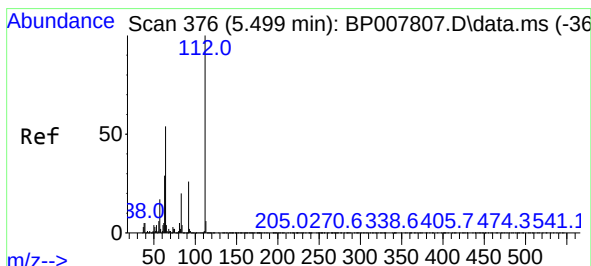
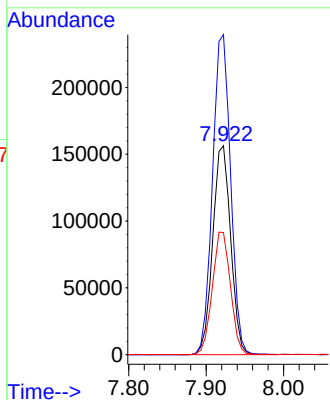
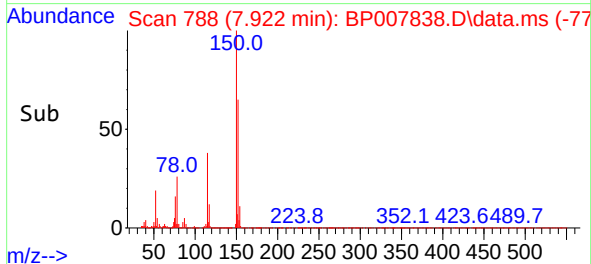
Instrument :
BNA_P
ClientSampleId :
FDR-20211101-WC-S



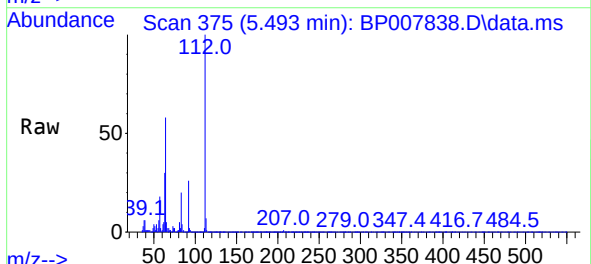
Tgt Ion:152 Resp: 25196
Ion Ratio Lower Upper
152 100
150 153.2 124.1 186.1
115 58.5 48.1 72.1

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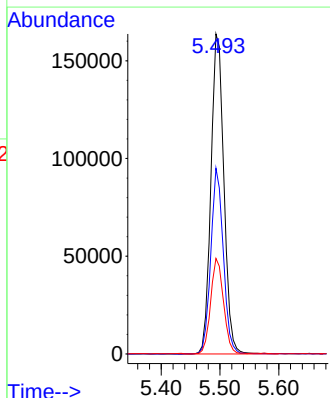
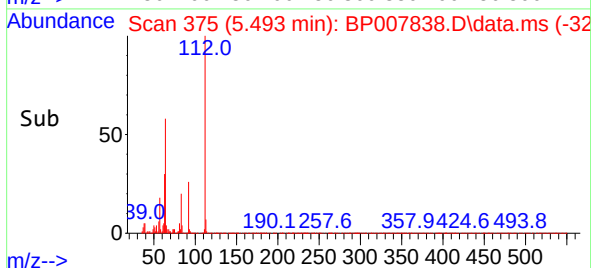
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

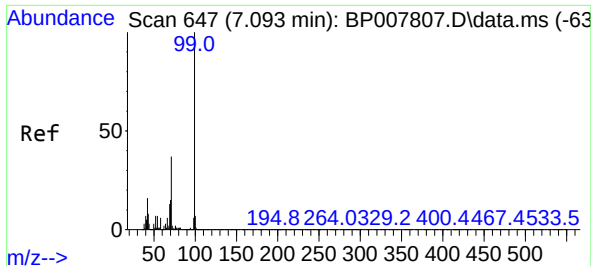


#5
2-Fluorophenol
Concen: 16.90 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50



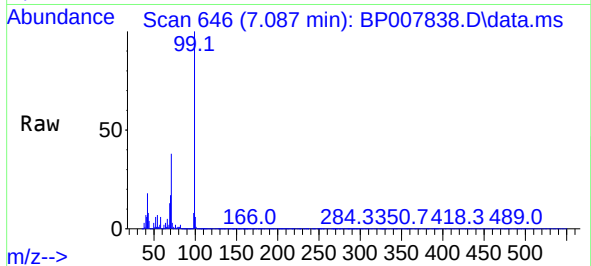
Tgt Ion:112 Resp: 251113
Ion Ratio Lower Upper
112 100
64 58.0 46.6 70.0
63 29.9 25.0 37.6





#7
Phenol-d6
Concen: 14.51 ng
RT: 7.087 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

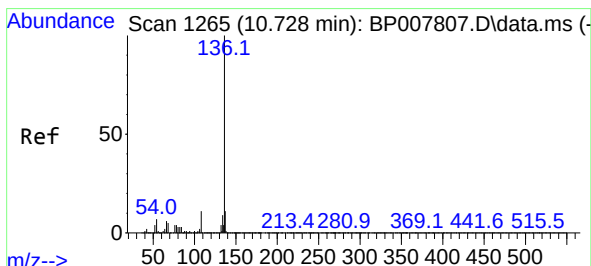
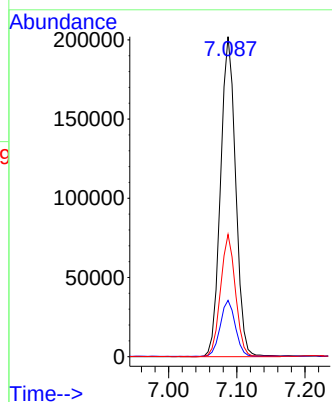
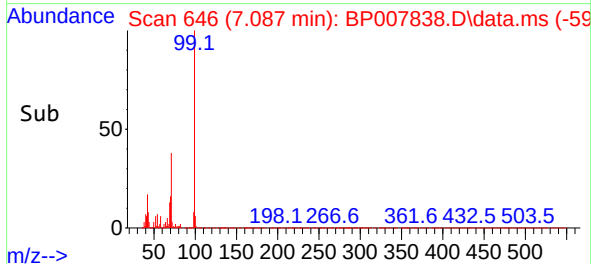
Instrument :
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Tgt Ion: 99 Resp: 311918
Ion Ratio Lower Upper
99 100
42 17.6 14.9 22.3
71 38.2 29.2 43.8

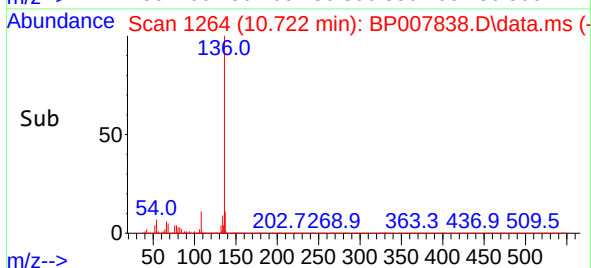
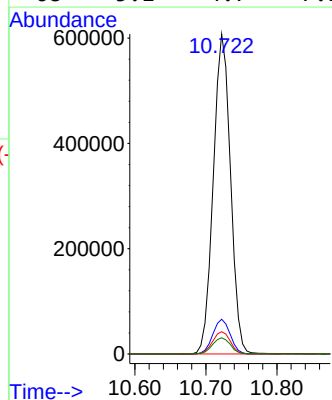
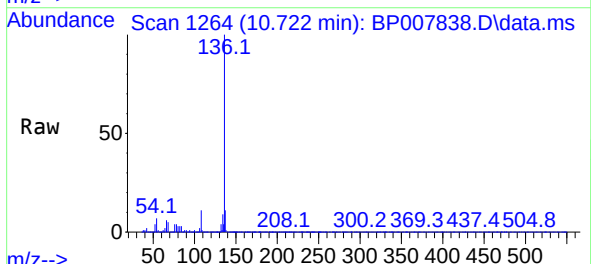
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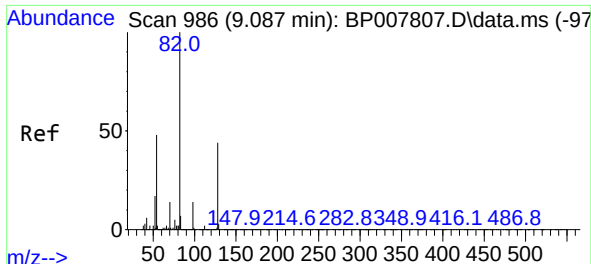
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:136 Resp: 1020570
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.0 6.2 9.4
68 5.1 4.7 7.1





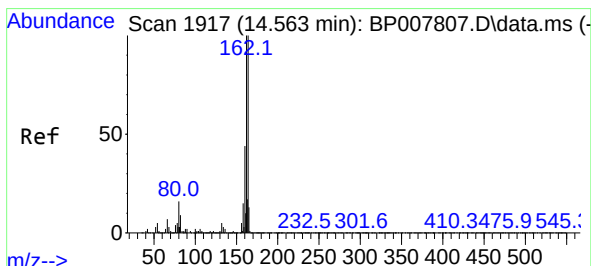
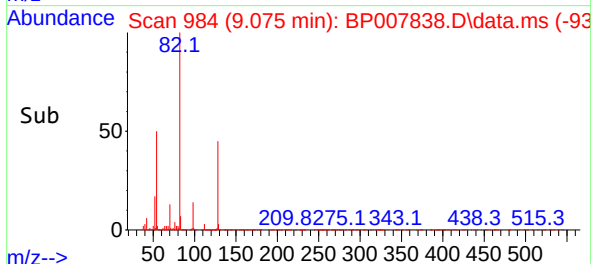
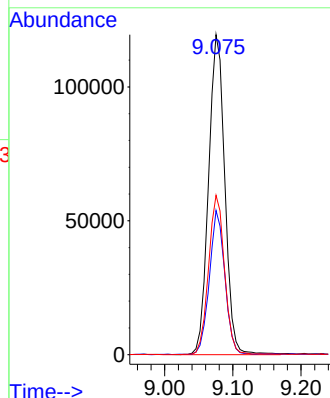
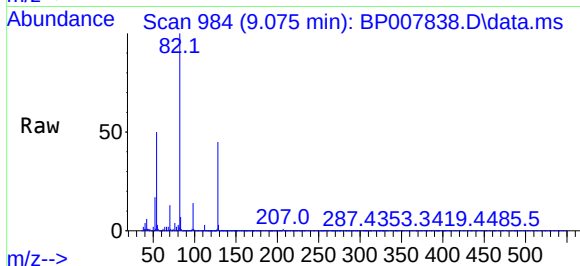
#23
Nitrobenzene-d5
Concen: 10.44 ng
RT: 9.075 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :
FDR-20211101-WC-S

Tgt Ion: 82 Resp: 19843
Ion Ratio Lower Upper
82 100
128 45.1 32.6 48.8
54 49.8 40.4 60.6

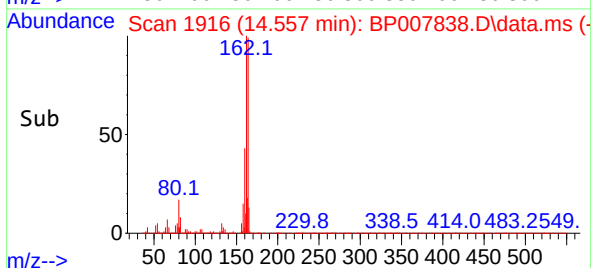
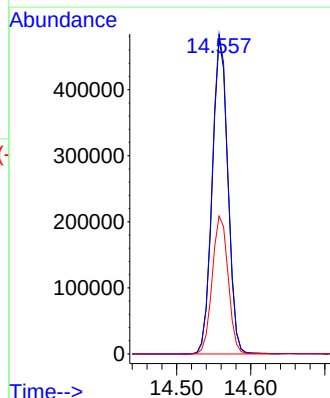
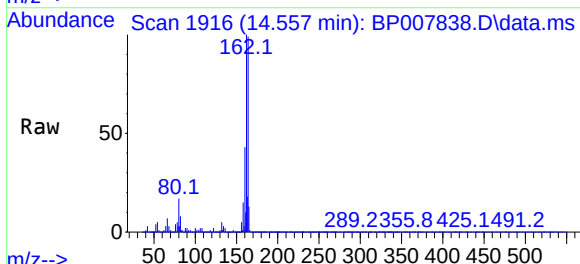
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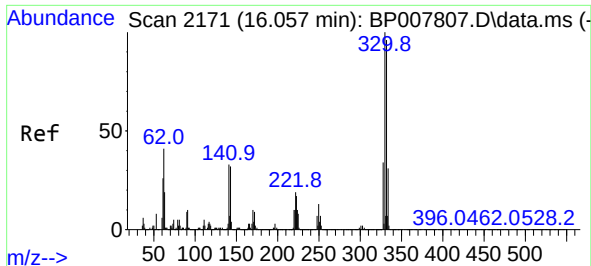
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

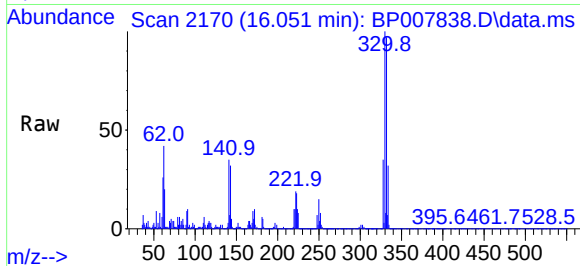
Tgt Ion:164 Resp: 696613
Ion Ratio Lower Upper
164 100
162 101.4 81.1 121.7
160 43.7 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 15.60 ng
RT: 16.051 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

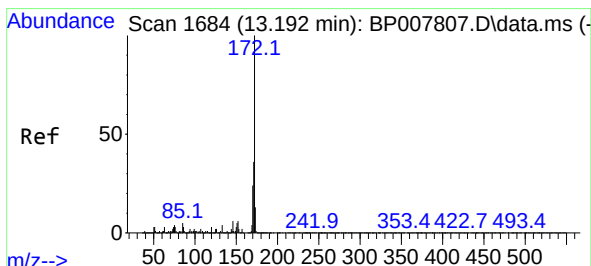
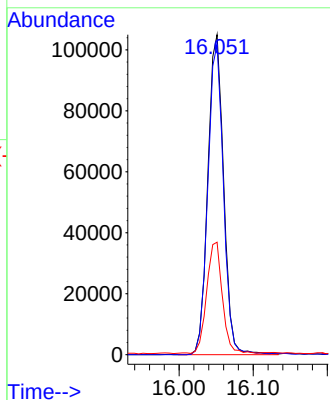
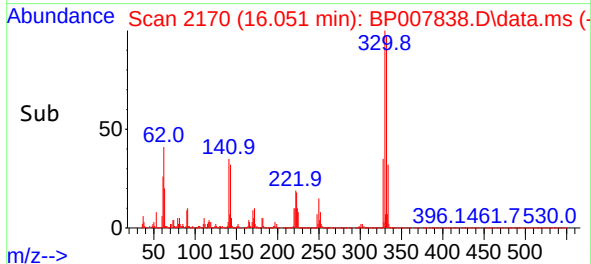
Instrument :
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FDR-20211101-WC-S



Tgt Ion:330 Resp: 15506
Ion Ratio Lower Upper
330 100
332 95.8 78.9 118.3
141 34.6 30.7 46.1

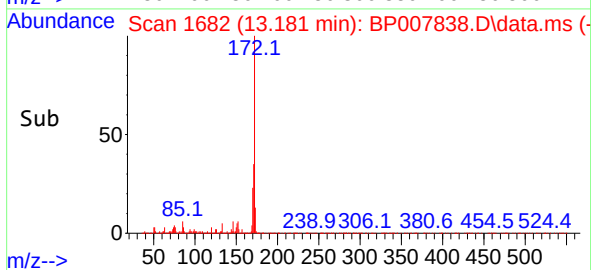
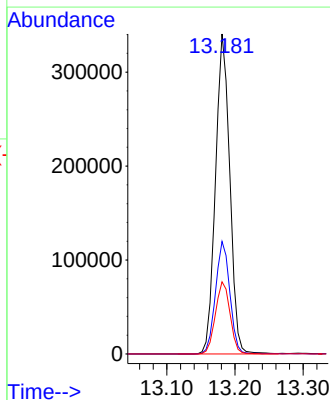
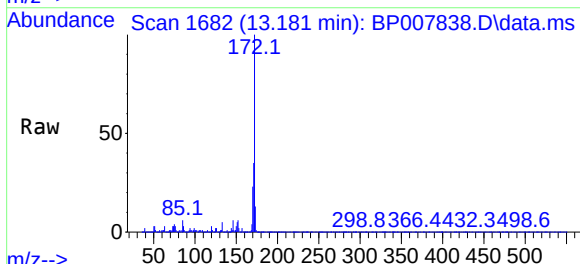
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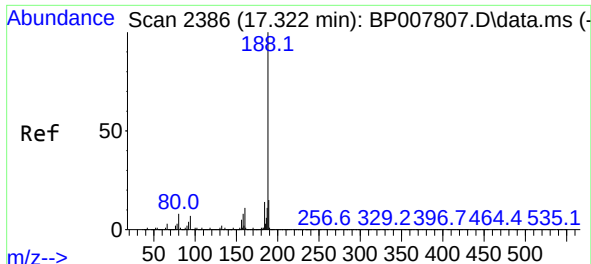
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 10.41 ng
RT: 13.181 min Scan# 1682
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

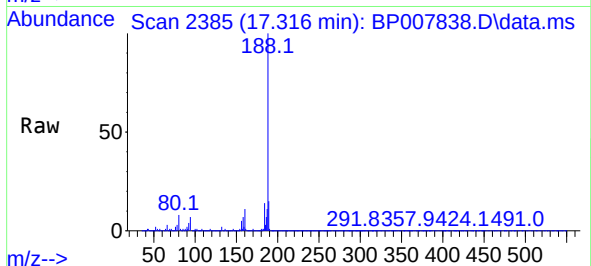
Tgt Ion:172 Resp: 498164
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 22.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.316 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

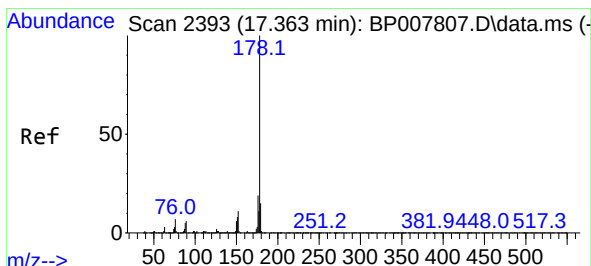
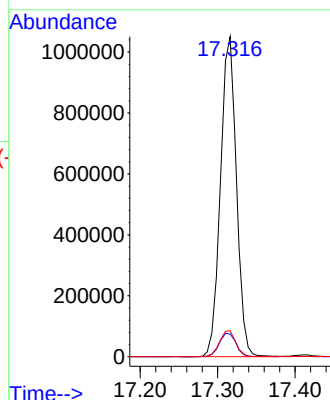
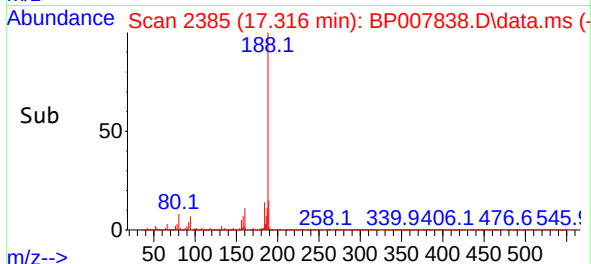
Instrument :
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Tgt Ion:188 Resp: 150800
Ion Ratio Lower Upper
188 100
94 7.1 7.1 10.7
80 8.1 7.8 11.6

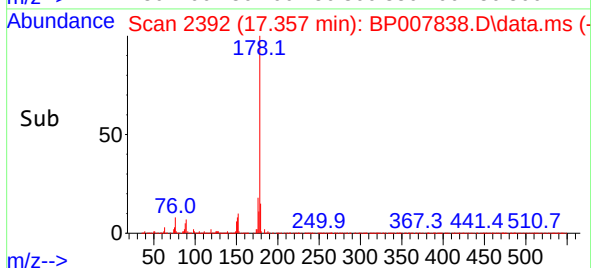
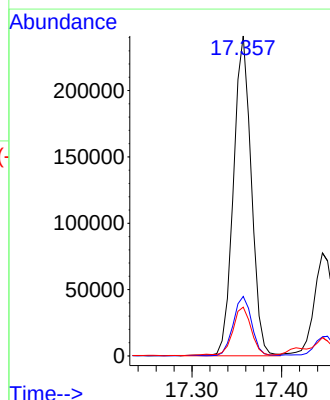
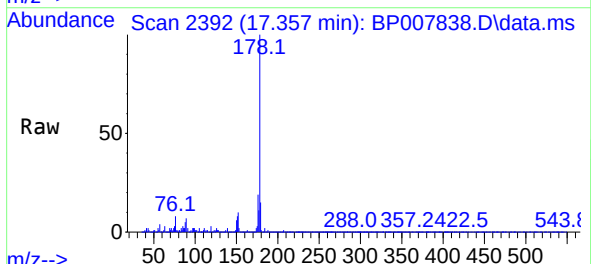
Manual Integrations
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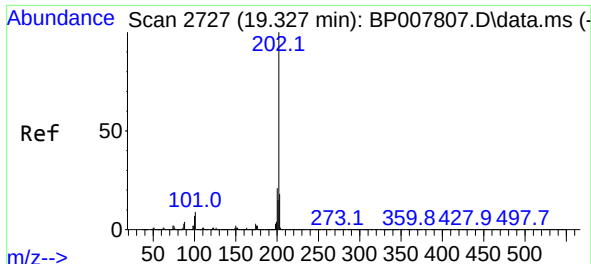
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 4.19 ng
RT: 17.357 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

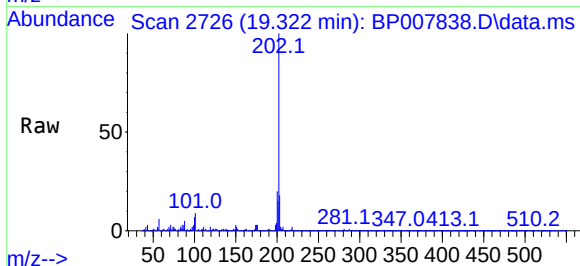
Tgt Ion:178 Resp: 332102
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.2 12.3 18.5





#75
Fluoranthene
Concen: 7.61 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

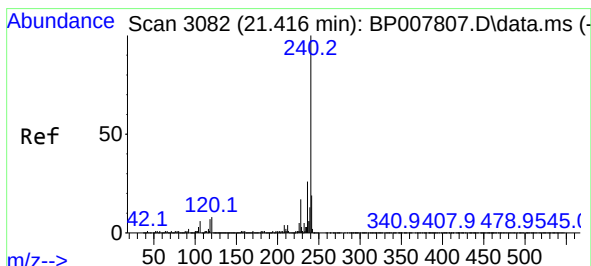
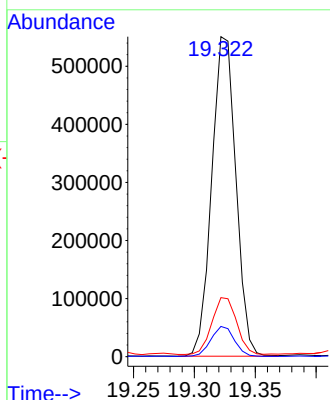
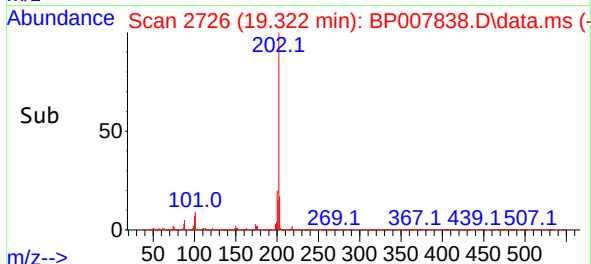
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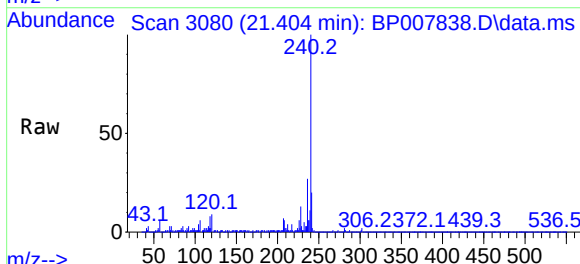
Tgt Ion: 202 Resp: 761110
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.4
203 18.5 0.0 37.6

Manual Integrations
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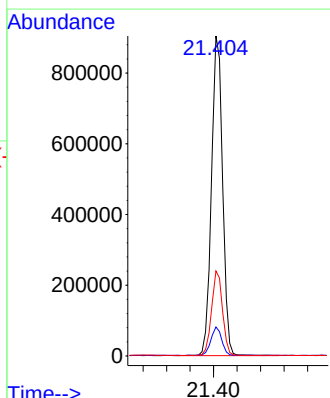
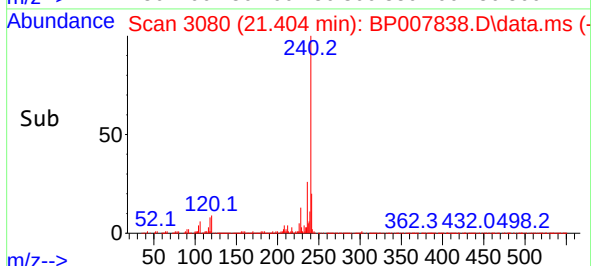
Reviewed By : Christian Giraldo 11/04/2021
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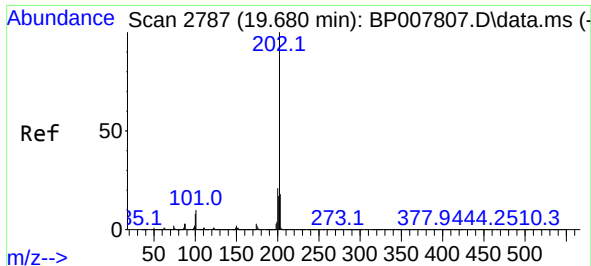


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.404 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50



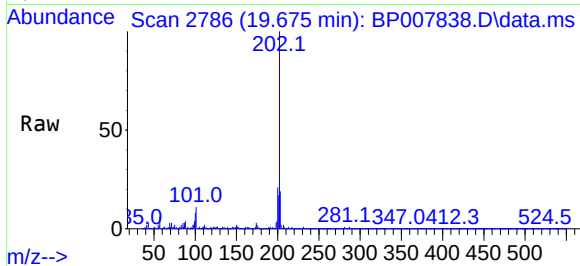
Tgt Ion: 240 Resp: 1181289
Ion Ratio Lower Upper
240 100
120 9.0 7.8 11.8
236 26.5 20.6 30.8





#78
Pyrene
Concen: 10.47 ng
RT: 19.675 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

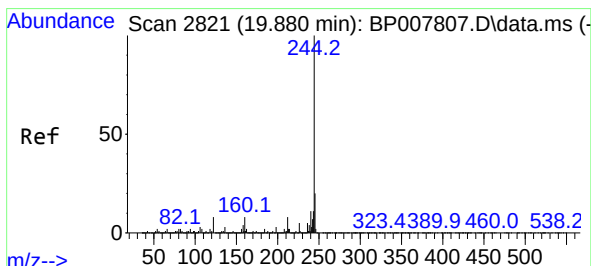
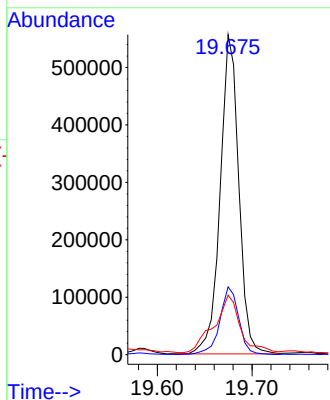
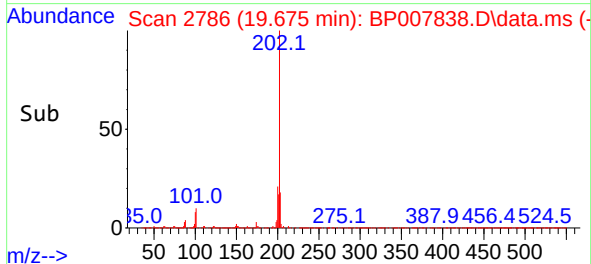
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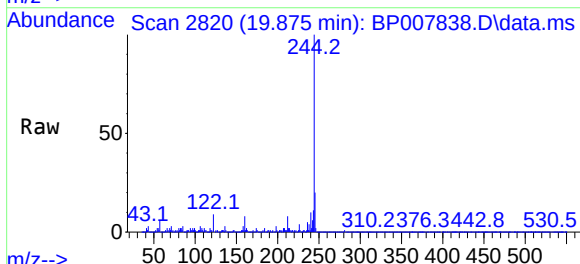
Tgt Ion:202 Resp: 75835
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 18.6 13.8 20.6

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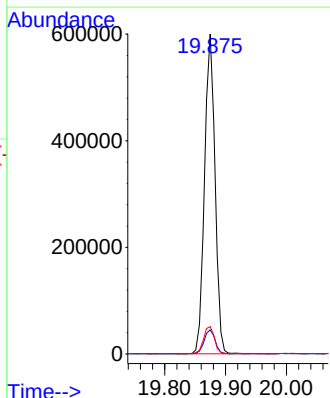
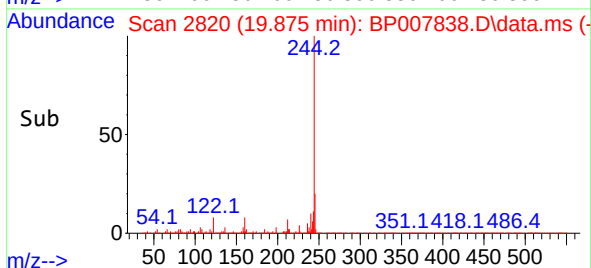
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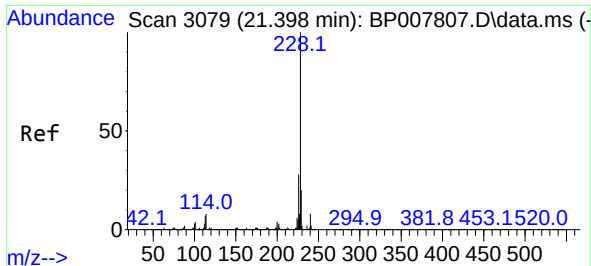


#79
Terphenyl-d14
Concen: 12.39 ng
RT: 19.875 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50



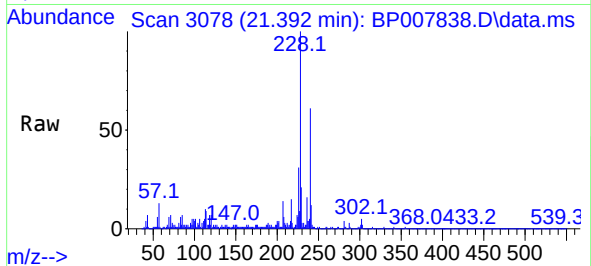
Tgt Ion:244 Resp: 718862
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 8.6 7.8 11.8





#81
Benzo(a)anthracene
Concen: 7.27 ng
RT: 21.392 min Scan# 3079
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

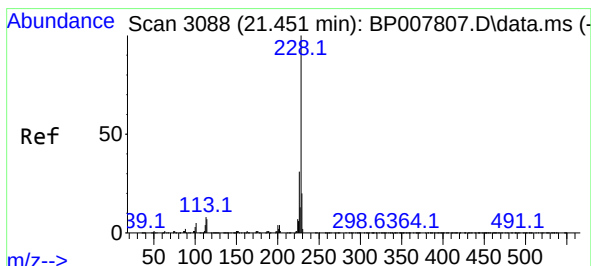
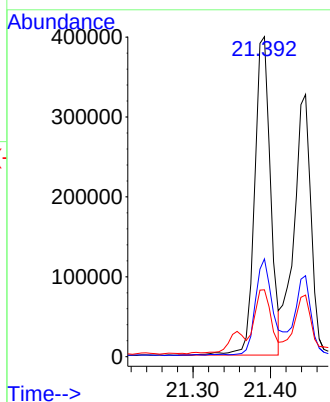
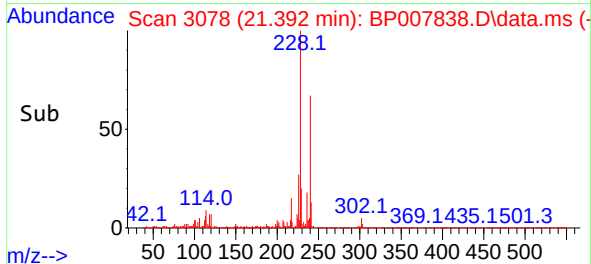
Instrument : BNA_P
ClientSampleId : FDR-20211101-WC-S



Tgt Ion:228 Resp: 565428
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.6
229 20.9 15.7 23.5

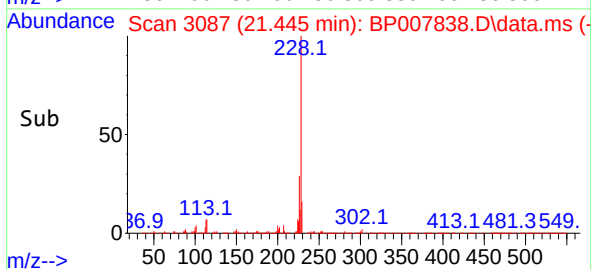
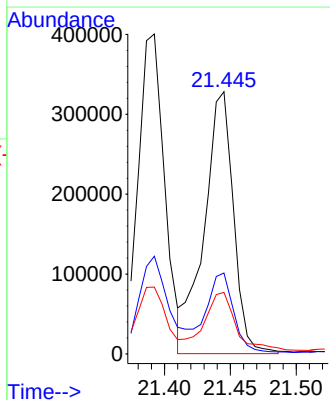
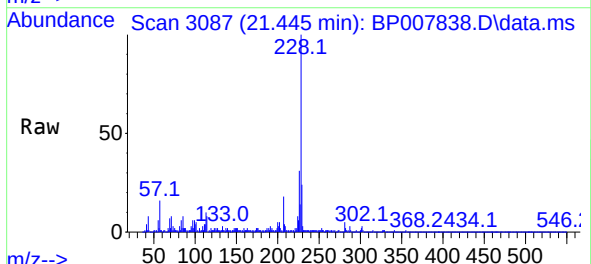
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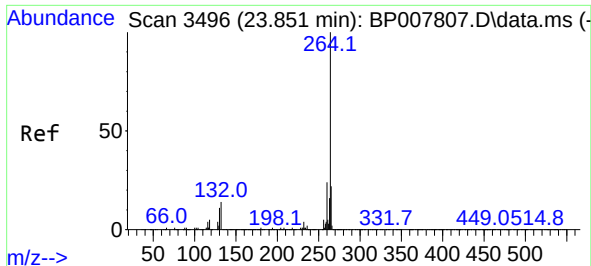
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 6.91 ng m
RT: 21.445 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

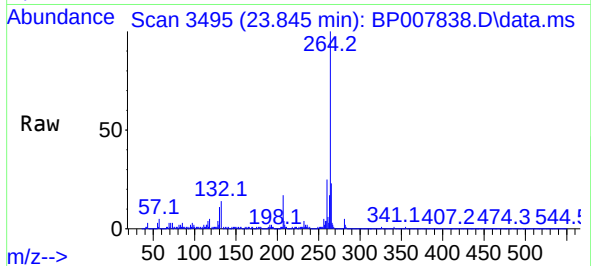
Tgt Ion:228 Resp: 509141
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 23.5 15.7 23.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.845 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

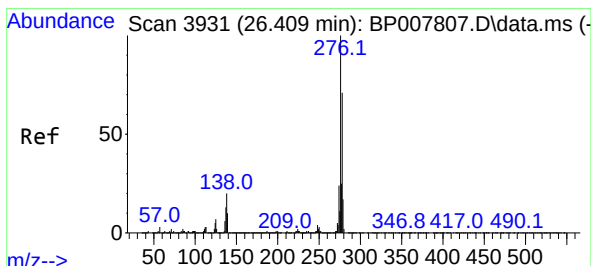
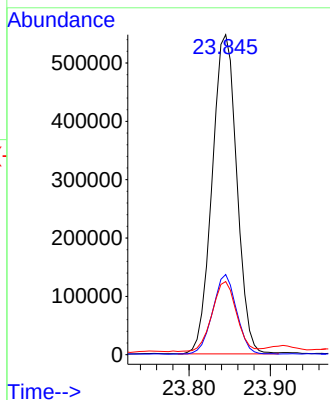
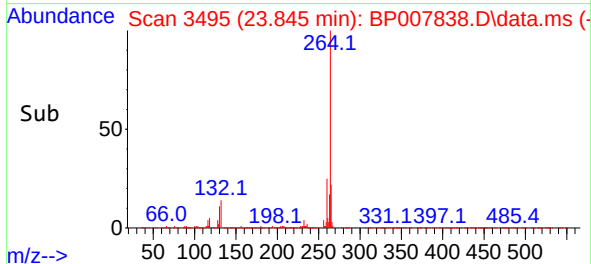
Instrument :
BNA_P
ClientSampleId :
FDR-20211101-WC-S



Tgt Ion:264 Resp: 115485
Ion Ratio Lower Upper
264 100
260 25.1 19.1 28.7
265 22.8 16.7 25.1

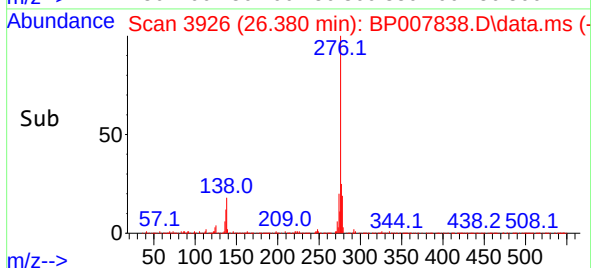
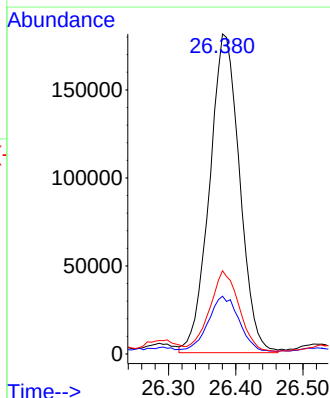
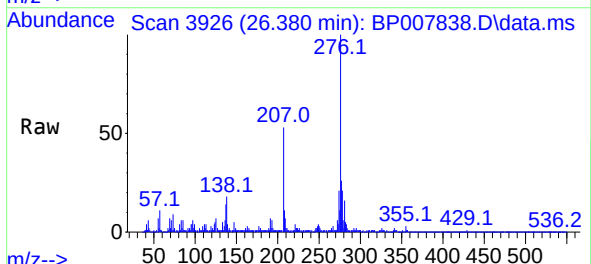
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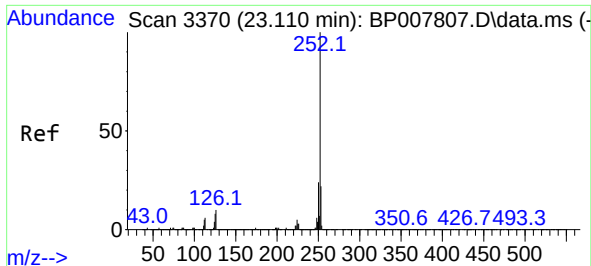
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng m
RT: 26.380 min Scan# 3926
Delta R.T. -0.029 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:276 Resp: 563144
Ion Ratio Lower Upper
276 100
138 0.7 19.4 29.0#
277 0.8 20.2 30.2#





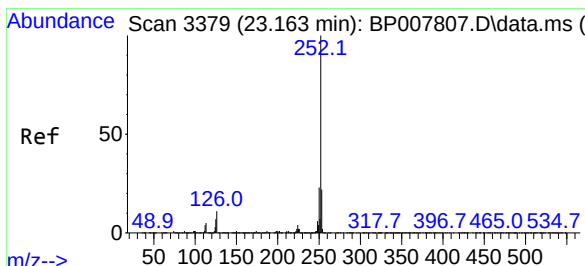
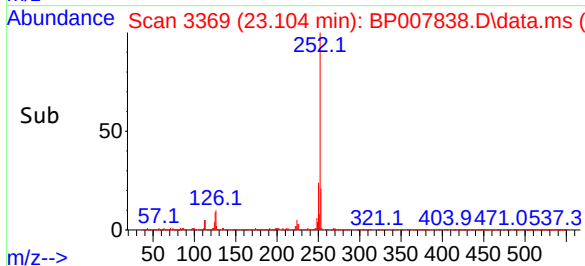
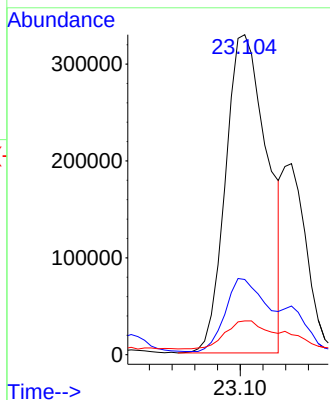
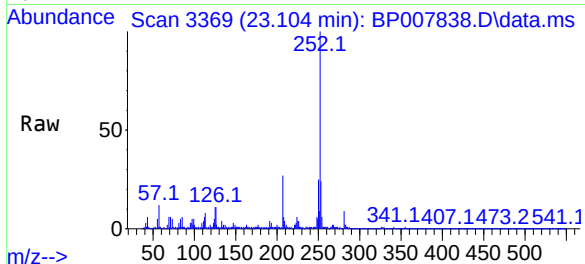
#88
Benzo(b)fluoranthene
Concen: 12.36 ng
RT: 23.104 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :
FDR-20211101-WC-S

Tgt Ion:252 Resp: 841658
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 10.5 7.4 11.0

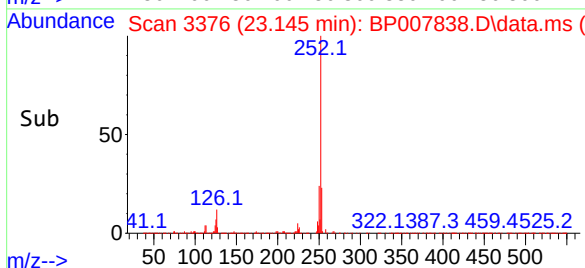
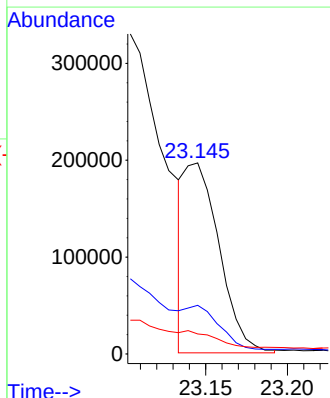
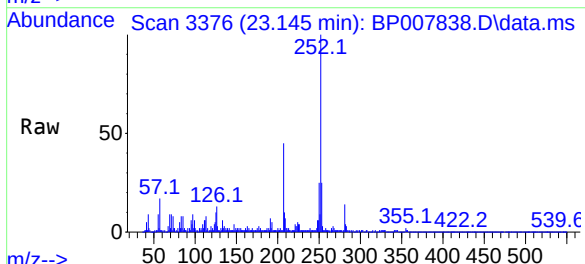
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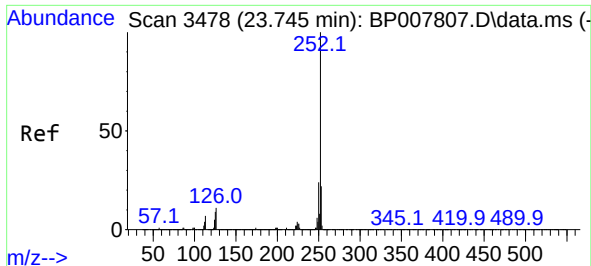
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#89
Benzo(k)fluoranthene
Concen: 4.25 ng m
RT: 23.145 min Scan# 3376
Delta R.T. -0.017 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

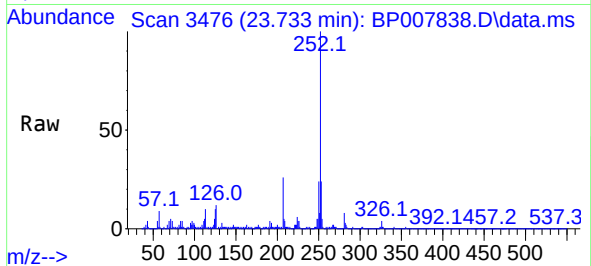
Tgt Ion:252 Resp: 287063
Ion Ratio Lower Upper
252 100
253 25.4 17.6 26.4
125 10.5 7.4 11.0





#90
Benzo(a)pyrene
Concen: 12.08 ng
RT: 23.733 min Scan# 3478
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

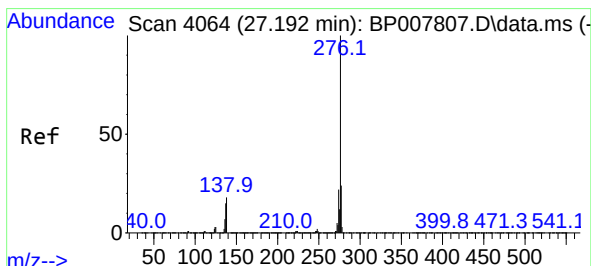
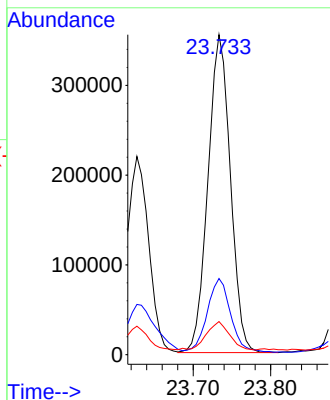
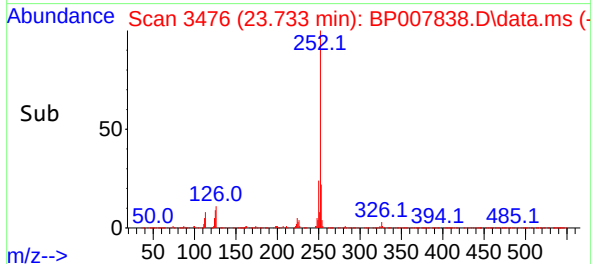
Instrument : BNA_P
ClientSampleId : FDR-20211101-WC-S



Tgt Ion: 252 Resp: 712014
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 10.4 8.4 12.6

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: 7.79 ng
RT: 27.168 min Scan# 4060
Delta R.T. -0.023 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion: 276 Resp: 551249
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 18.5 16.2 24.4

