

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
 Data File : BP007834.D
 Acq On : 03 Nov 2021 21:34
 Operator : CG/JU
 Sample : M4407-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FDR-BH-1-20211028-5.5-6

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 07:32:41 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	7.916	152	192807	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	777943	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	506595	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	1147391	20.000	ng	-0.01
76) Chrysene-d12	21.404	240	1180130	20.000	ng	-0.01
86) Perylene-d12	23.839	264	1002945	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1564432	137.608	ng	0.00
7) Phenol-d6	7.093	99	1968736	119.643	ng	0.00
23) Nitrobenzene-d5	9.075	82	1227759	84.777	ng	-0.01
42) 2,4,6-Tribromophenol	16.051	330	933859	129.167	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	2640565	75.907	ng	-0.01
79) Terphenyl-d14	19.875	244	4039472	69.700	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.351	178	449189	7.447	ng	99
75) Fluoranthene	19.322	202	859535	11.296	ng	98
78) Pyrene	19.675	202	801049	11.067	ng	99
81) Benzo(a)anthracene	21.386	228	410332	5.278	ng	99
83) Chrysene	21.439	228	347876	4.726	ng	98
88) Benzo(b)fluoranthene	23.098	252	427671	7.234	ng	95
89) Benzo(k)fluoranthene	23.139	252	150151m	2.559	ng	
90) Benzo(a)pyrene	23.727	252	312939	6.113	ng	97
92) Benzo(g,h,i)perylene	27.151	276	210806	3.429	ng	99

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

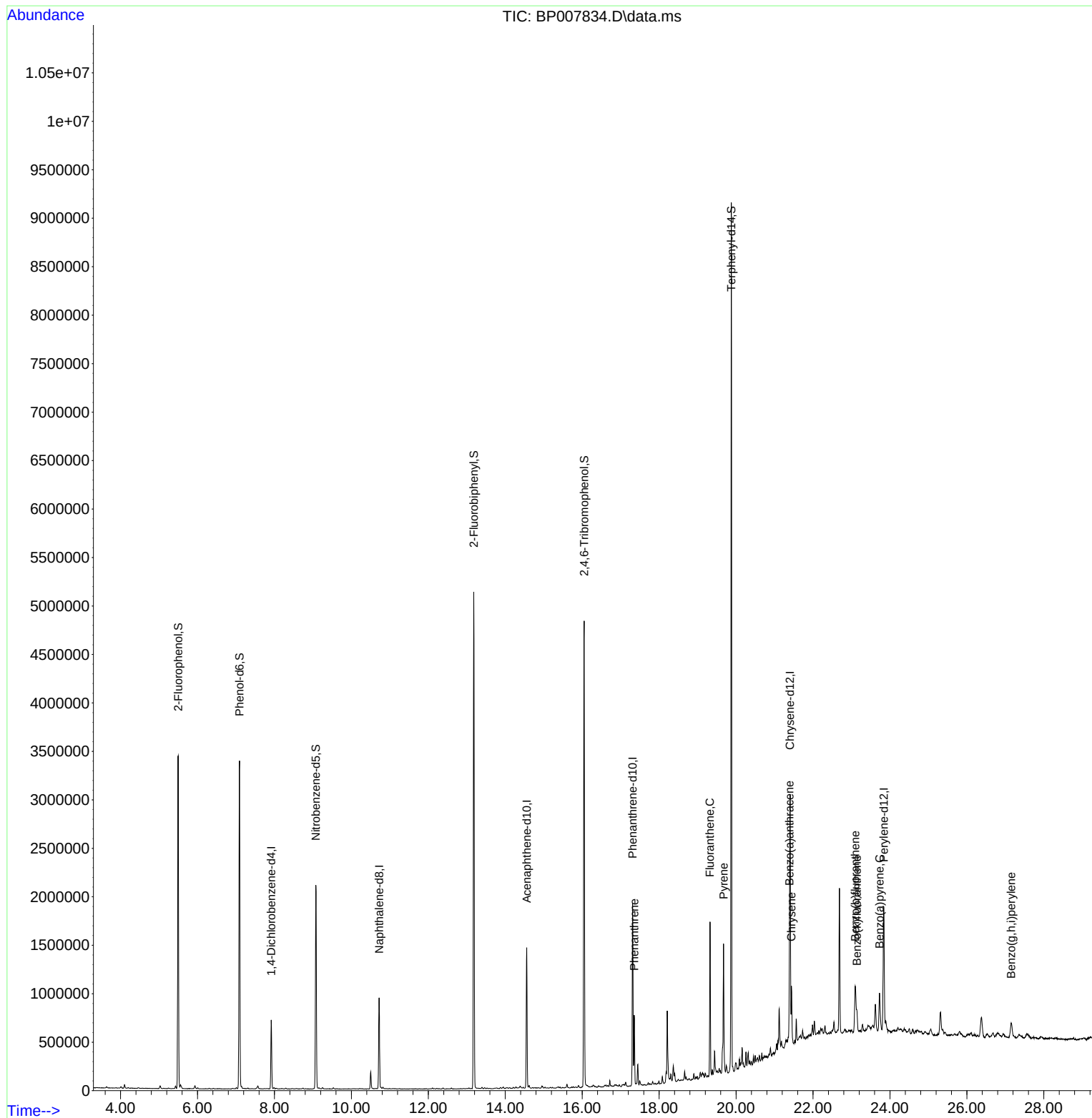
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
Data File : BP007834.D
Acq On : 03 Nov 2021 21:34
Operator : CG/JU
Sample : M4407-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

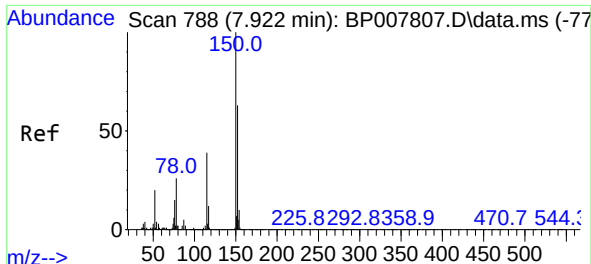
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6

Quant Time: Nov 04 07:32:41 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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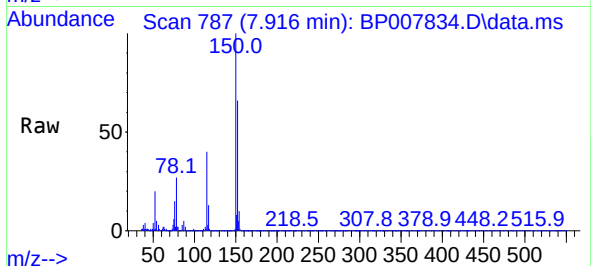
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 788
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

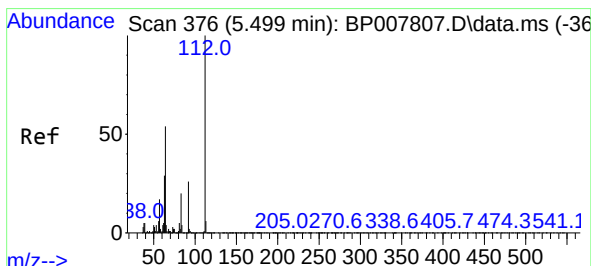
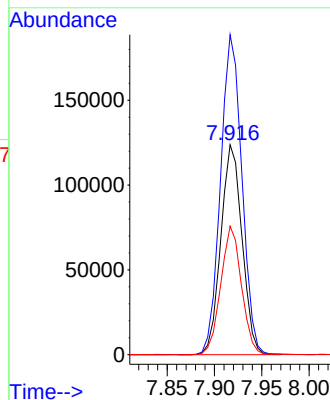
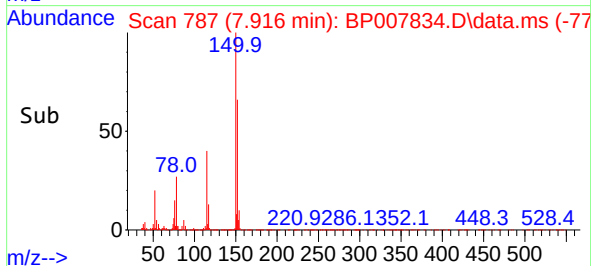
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



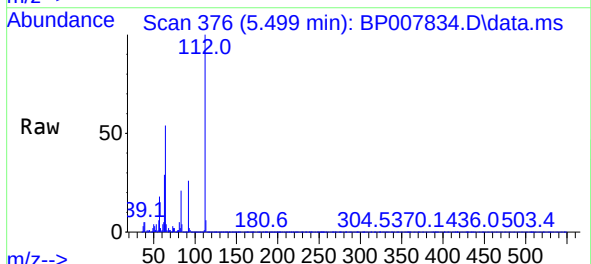
Tgt Ion:152 Resp: 19280
Ion Ratio Lower Upper
152 100
150 152.4 124.1 186.1
115 61.2 48.1 72.1

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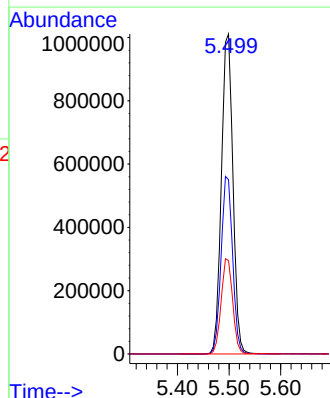
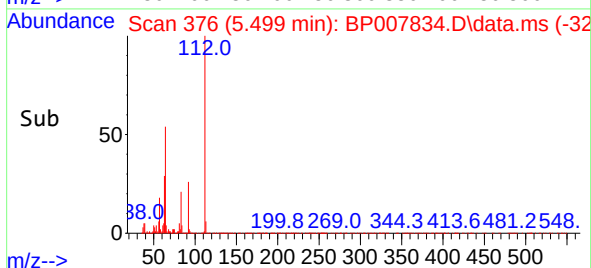
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

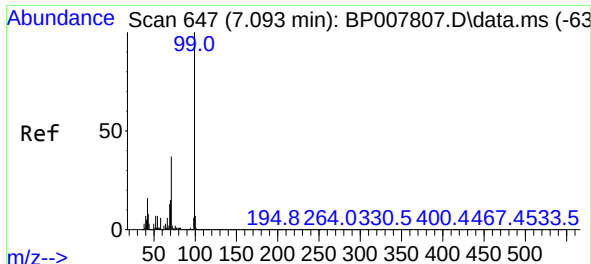


#5
2-Fluorophenol
Concen: 137.608 ng
RT: 5.499 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34



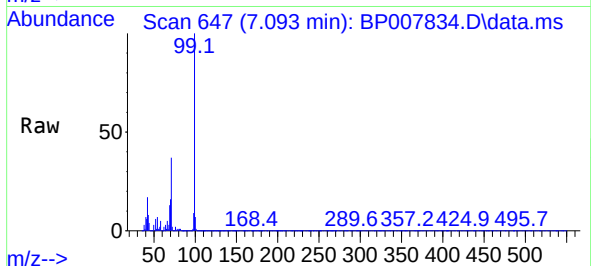
Tgt Ion:112 Resp: 1564432
Ion Ratio Lower Upper
112 100
64 54.4 46.6 70.0
63 29.2 25.0 37.6





#7
Phenol-d6
Concen: 119.643 ng
RT: 7.093 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

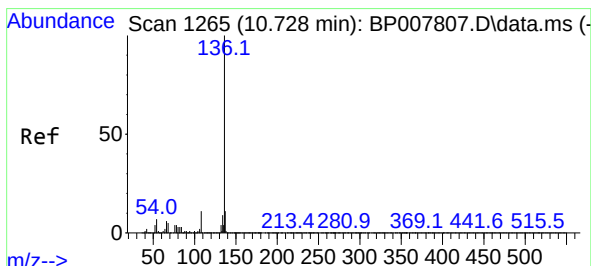
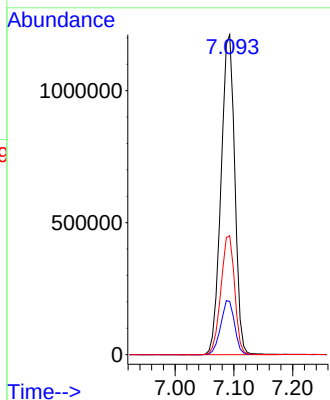
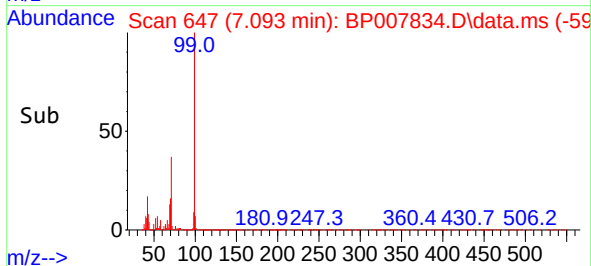
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion: 99 Resp: 1968730
Ion Ratio Lower Upper
99 100
42 16.6 14.9 22.3
71 37.2 29.2 43.8

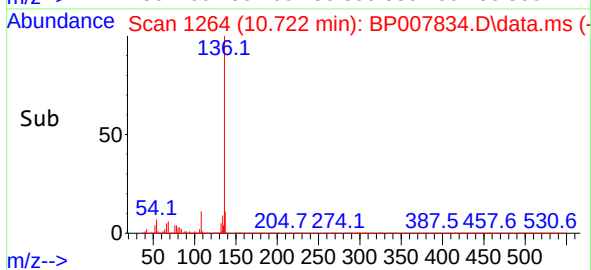
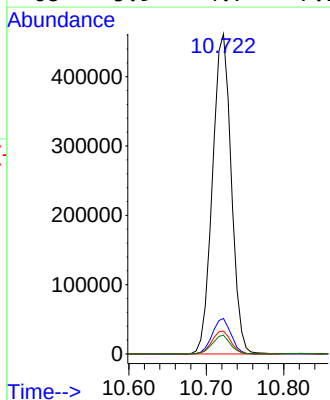
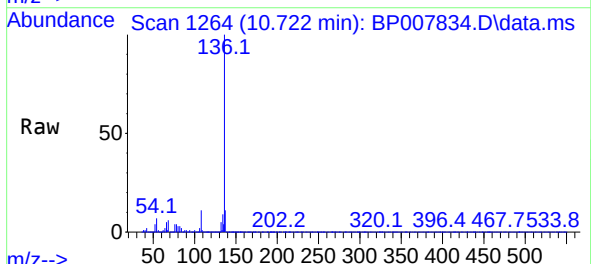
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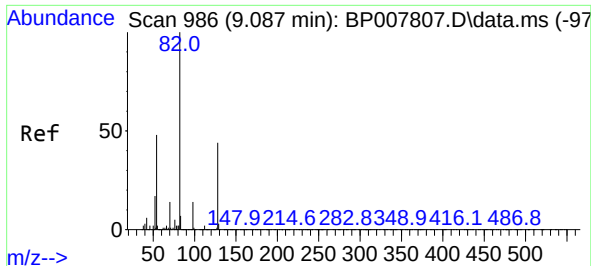
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

Tgt Ion:136 Resp: 777943
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.2 6.2 9.4
68 5.9 4.7 7.1





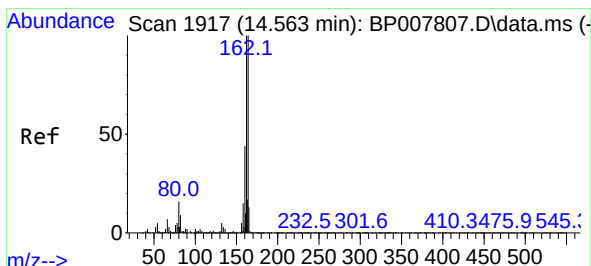
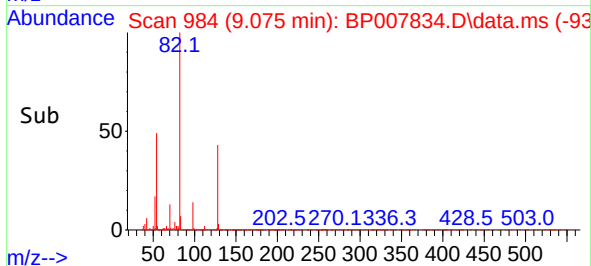
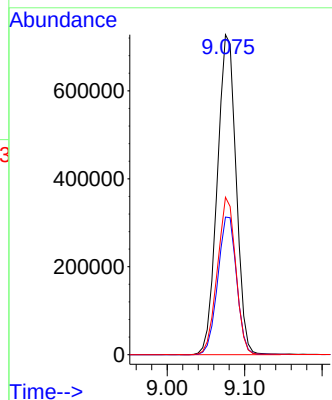
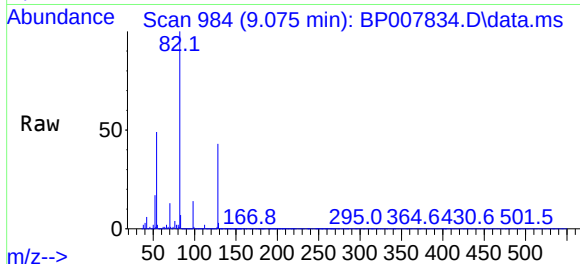
#23
Nitrobenzene-d5
Concen: 84.777 ng
RT: 9.075 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6

Tgt Ion: 82 Resp: 122775
Ion Ratio Lower Upper
82 100
128 43.0 32.6 48.8
54 49.2 40.4 60.6

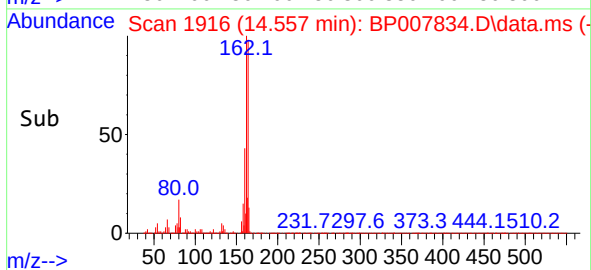
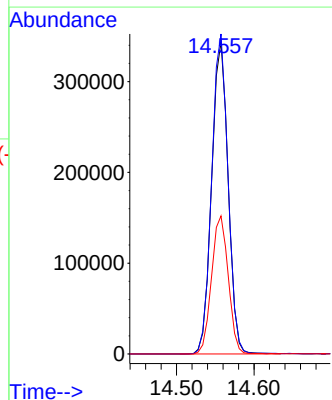
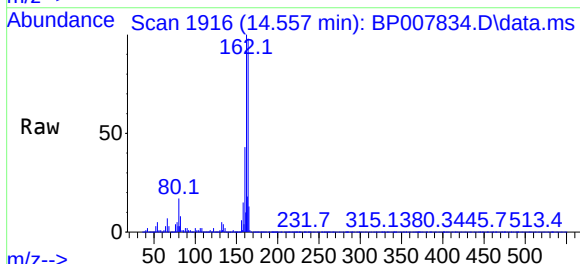
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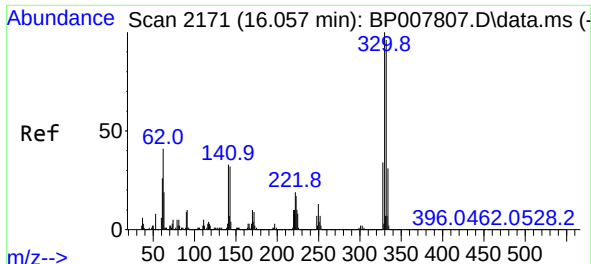
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

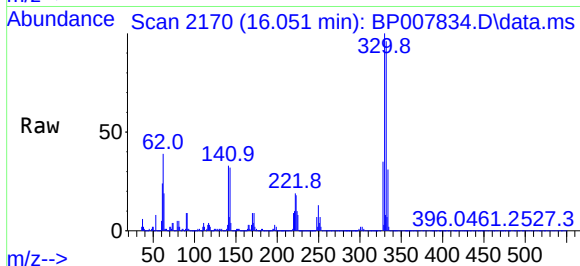
Tgt Ion:164 Resp: 506595
Ion Ratio Lower Upper
164 100
162 102.5 81.1 121.7
160 44.2 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 129.167 ng
RT: 16.051 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

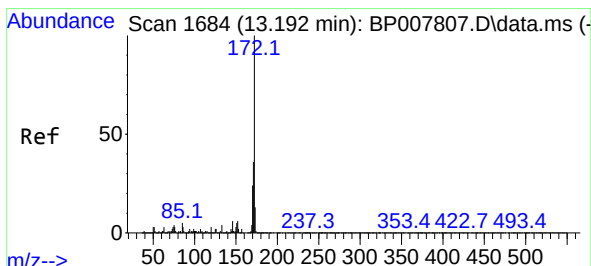
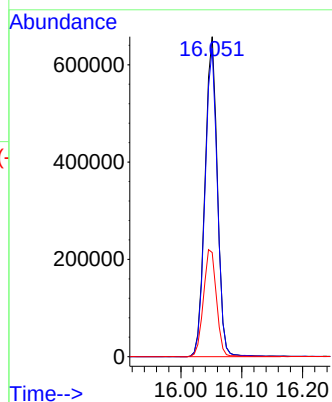
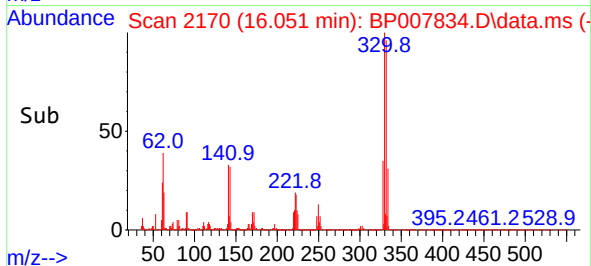
Instrument : BNA_P
ClientSampleId : FDR-BH-1-20211028-5.5-6



Tgt Ion:330 Resp: 933859
Ion Ratio Lower Upper
330 100
332 96.3 78.9 118.3
141 35.1 30.7 46.1

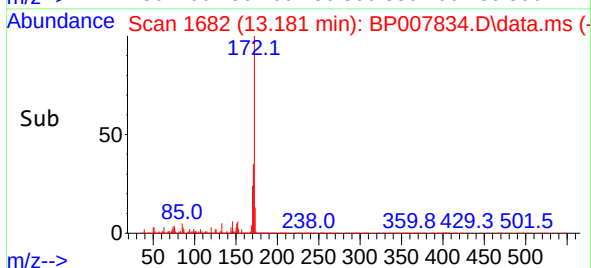
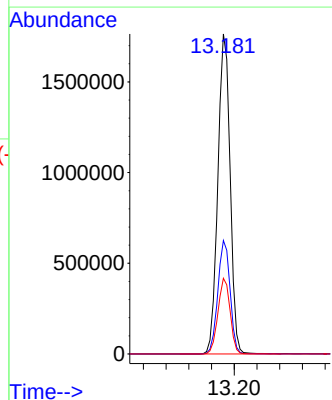
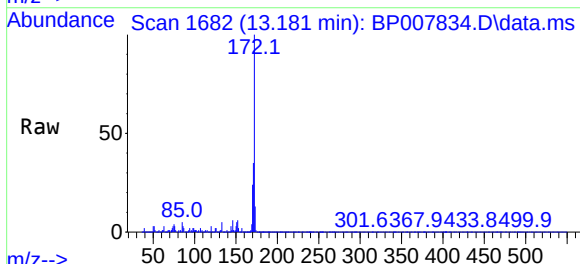
Manual Integrations
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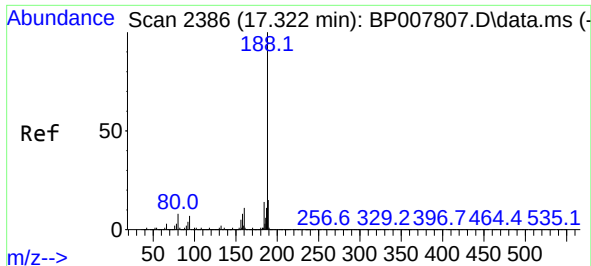
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 75.907 ng
RT: 13.181 min Scan# 1682
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

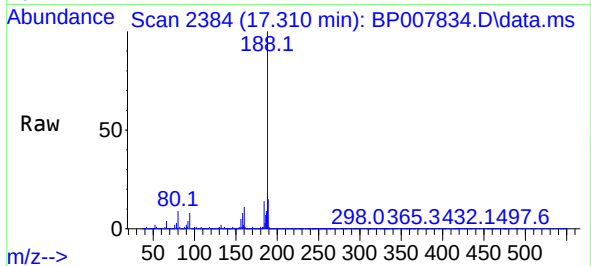
Tgt Ion:172 Resp: 2640565
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.6 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

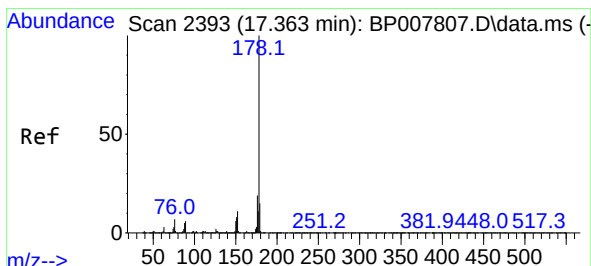
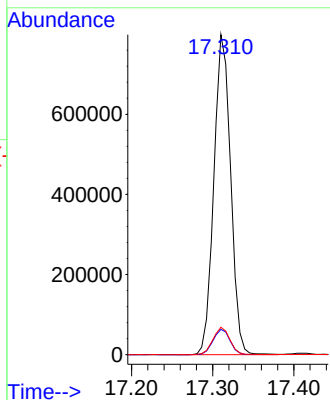
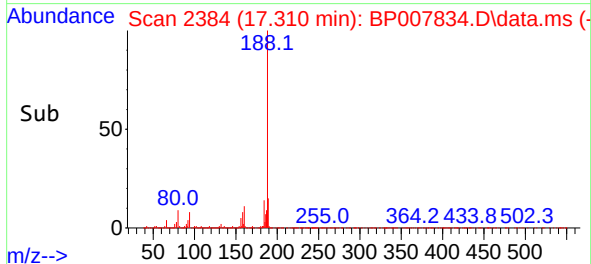
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion:188 Resp: 114739
Ion Ratio Lower Upper
188 100
94 7.9 7.1 10.7
80 8.5 7.8 11.6

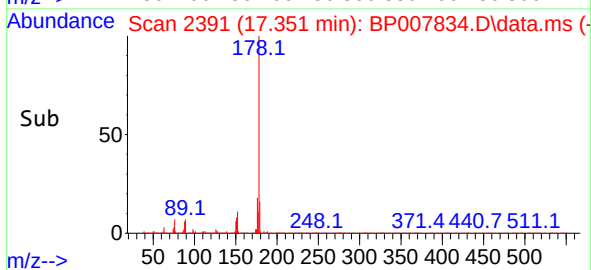
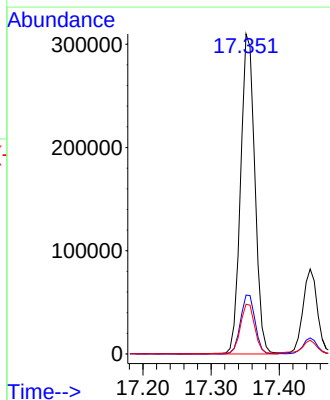
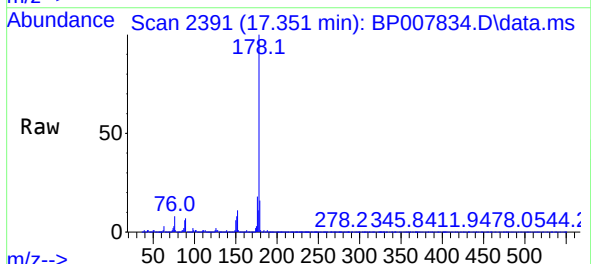
Manual Integrations
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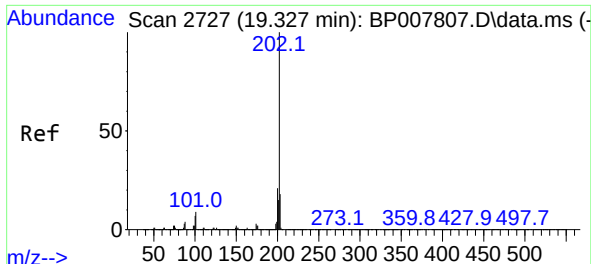
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 7.447 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

Tgt Ion:178 Resp: 449189
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.5 12.3 18.5





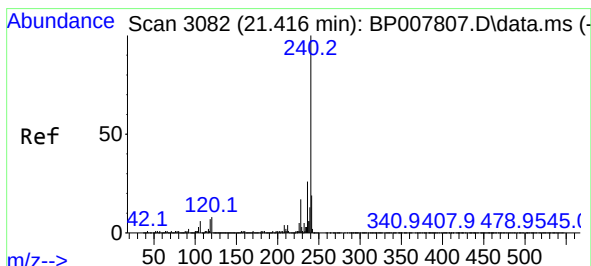
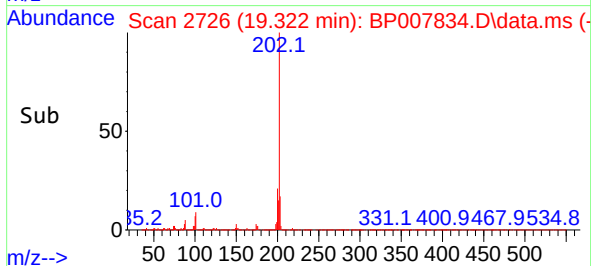
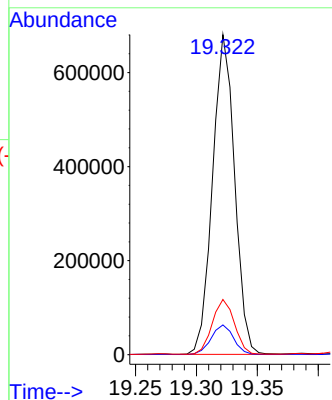
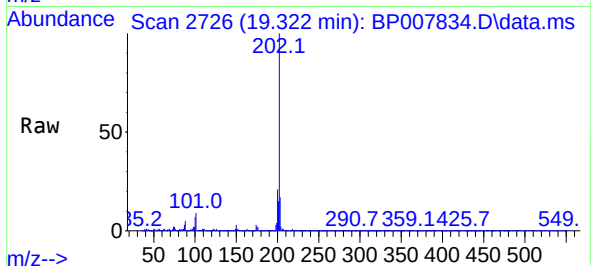
#75
Fluoranthene
Concen: 11.296 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6

Tgt Ion:202 Resp: 859538
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.4
203 17.3 0.0 37.6

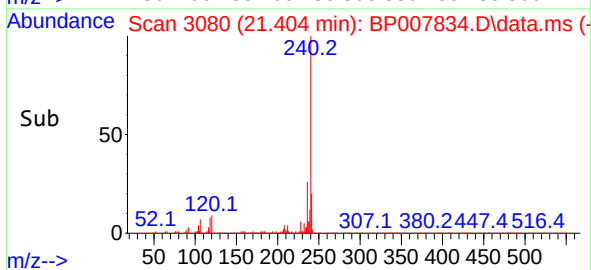
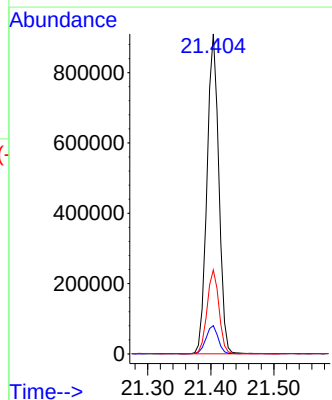
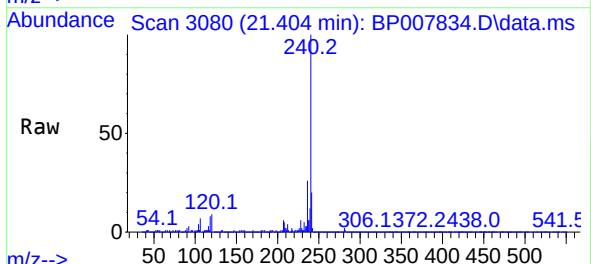
Manual Integrations
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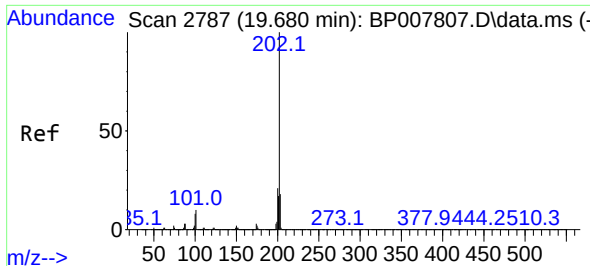
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

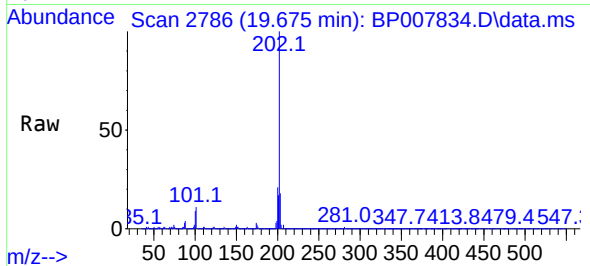
Tgt Ion:240 Resp: 1180130
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.8
236 26.2 20.6 30.8





#78
Pyrene
Concen: 11.067 ng
RT: 19.675 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

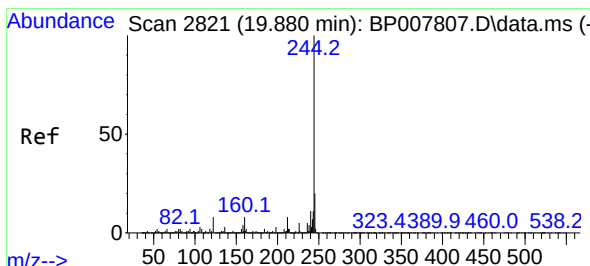
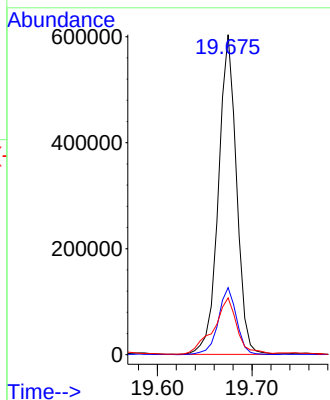
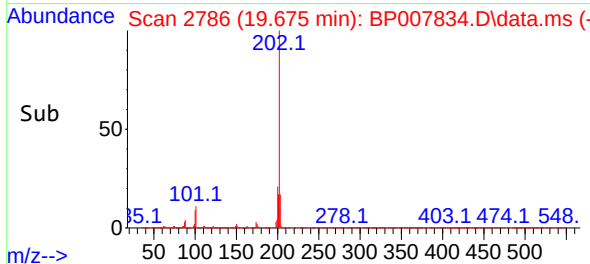
Instrument :
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ClientSampleId :
FDR-BH-1-20211028-5.5-6



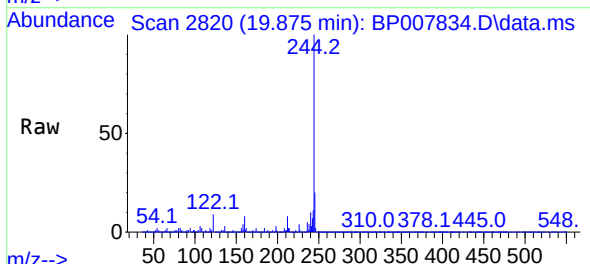
Tgt Ion:202 Resp: 801049
Ion Ratio Lower Upper
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200 20.9 16.9 25.3
203 17.7 13.8 20.6

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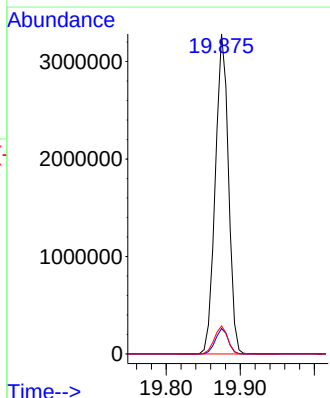
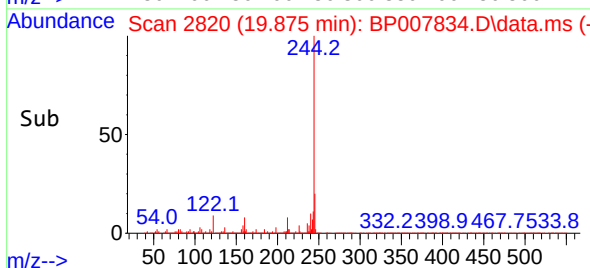
Reviewed By :Christian Giraldo 11/04/2021
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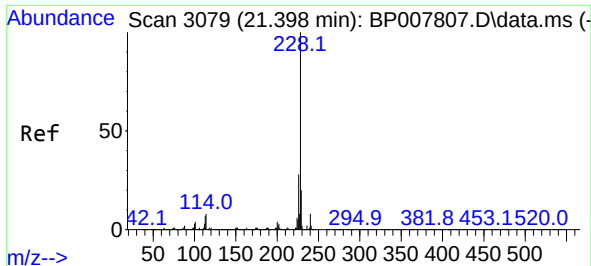


#79
Terphenyl-d14
Concen: 69.700 ng
RT: 19.875 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34



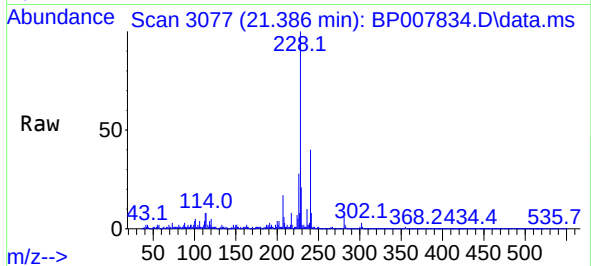
Tgt Ion:244 Resp: 4039472
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 8.7 7.8 11.8





#81
Benzo(a)anthracene
Concen: 5.278 ng
RT: 21.386 min Scan# 3079
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

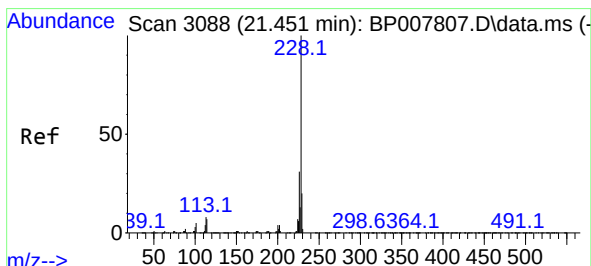
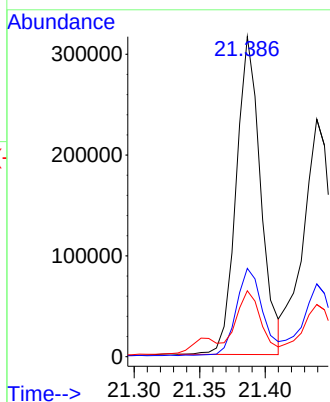
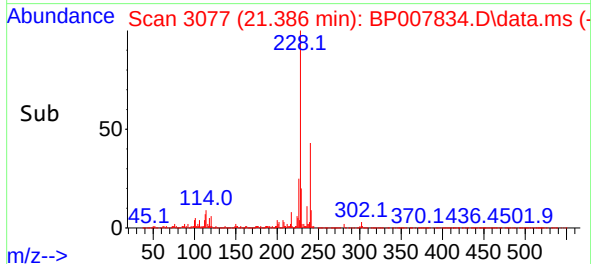
Instrument : BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion:228 Resp: 410332
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 20.6 15.7 23.5

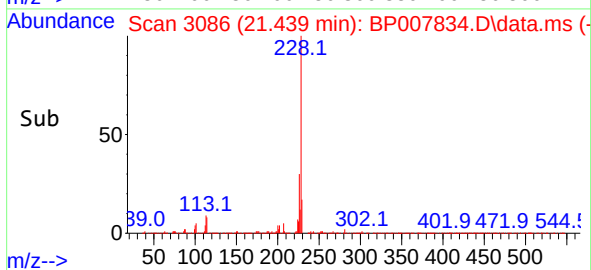
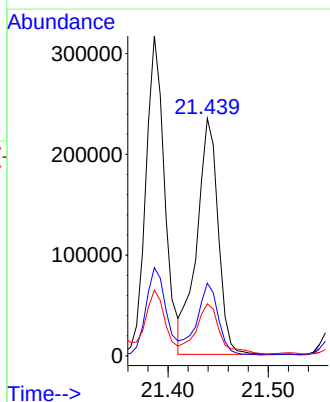
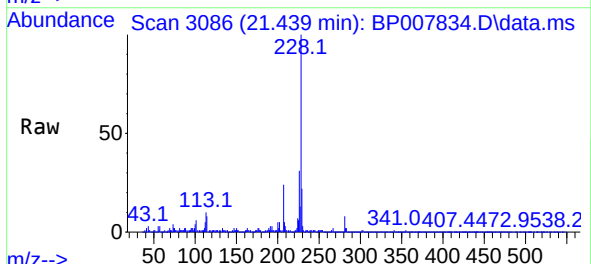
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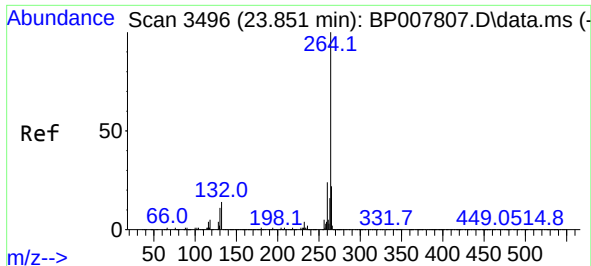
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 4.726 ng
RT: 21.439 min Scan# 3086
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

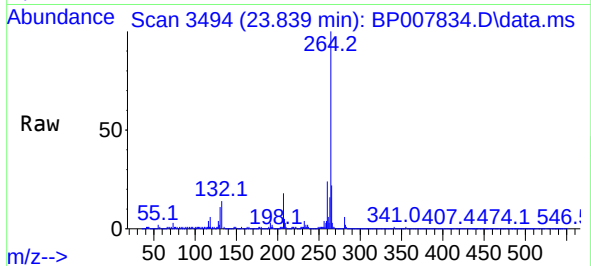
Tgt Ion:228 Resp: 347876
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 22.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3496
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

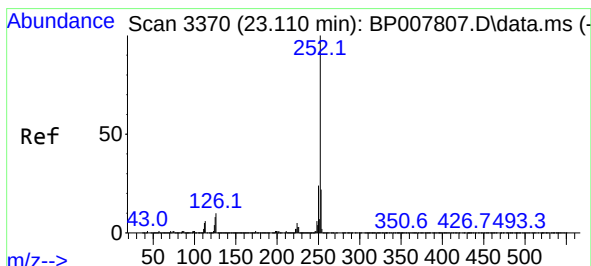
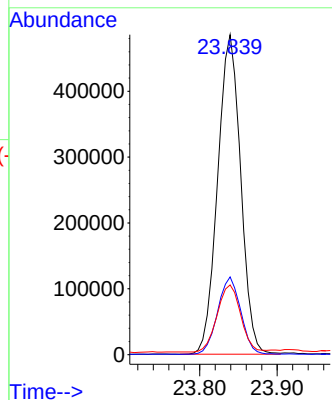
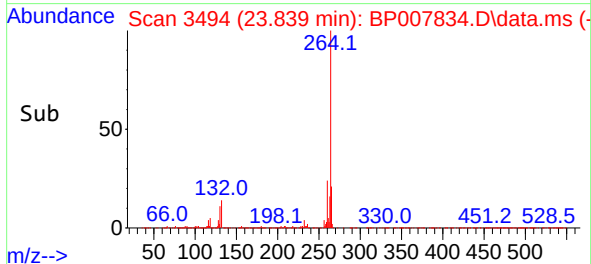
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion:264 Resp: 100294
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 21.8 16.7 25.1

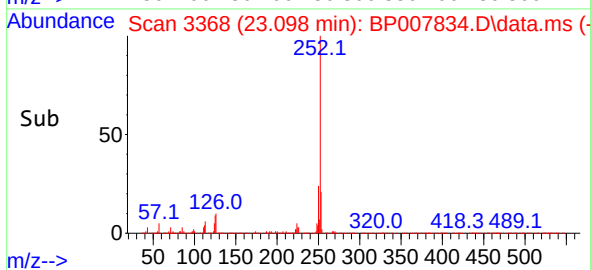
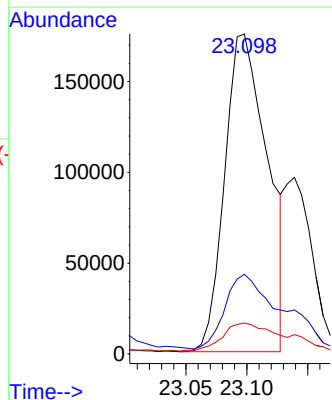
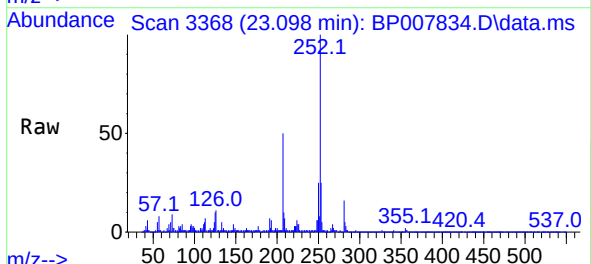
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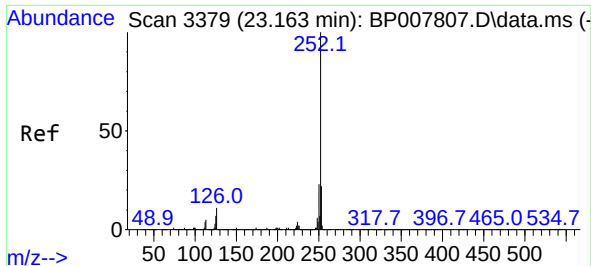
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#88
Benzo(b)fluoranthene
Concen: 7.234 ng
RT: 23.098 min Scan# 3368
Delta R.T. -0.012 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

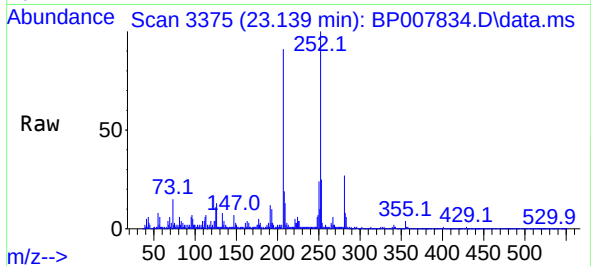
Tgt Ion:252 Resp: 427671
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 9.6 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 2.559 ng m
RT: 23.139 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

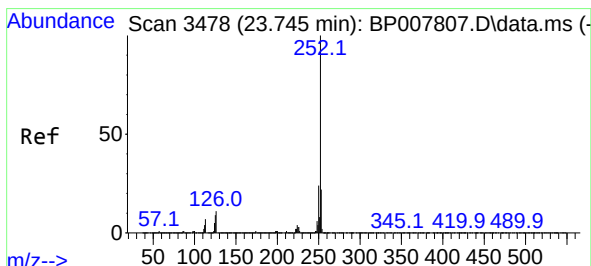
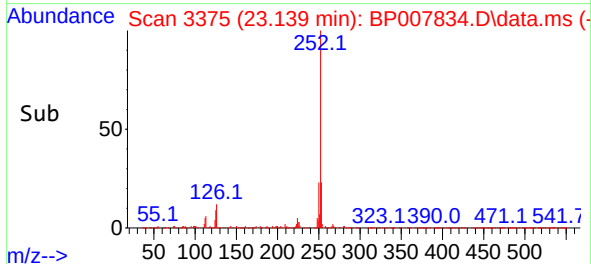
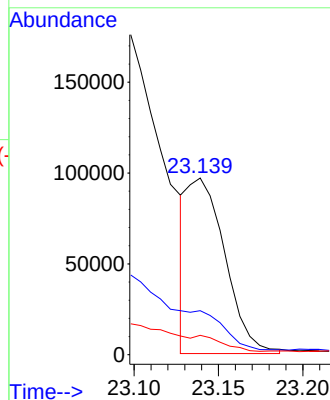
Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion:252 Resp: 15015
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 10.9 7.4 11.0

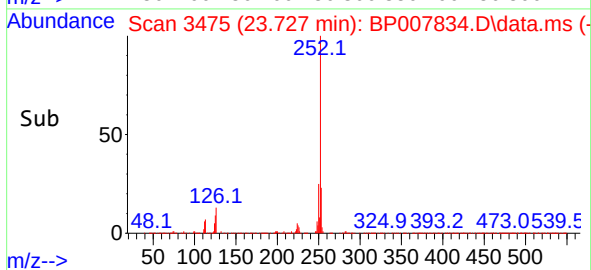
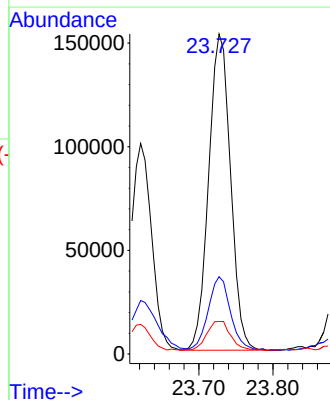
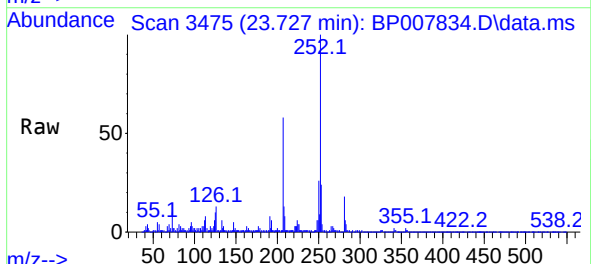
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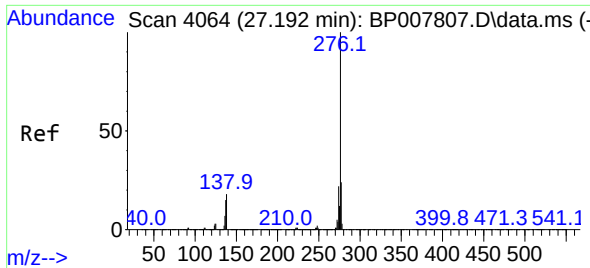
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#90
Benzo(a)pyrene
Concen: 6.113 ng
RT: 23.727 min Scan# 3475
Delta R.T. -0.018 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

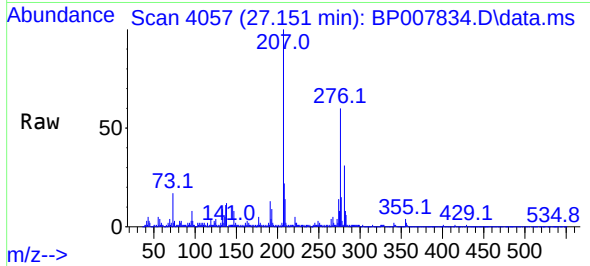
Tgt Ion:252 Resp: 312939
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.1 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 3.429 ng
RT: 27.151 min Scan# 4064
Delta R.T. -0.041 min
Lab File: BP007834.D
Acq: 03 Nov 2021 21:34

Instrument :
BNA_P
ClientSampleId :
FDR-BH-1-20211028-5.5-6



Tgt Ion:276 Resp: 210800
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.0
138 20.5 16.2 24.4

Manual Integrations
APPROVED

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

