

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
 Data File : BP008197.D
 Acq On : 02 Dec 2021 18:18
 Operator : CG/JU
 Sample : M4877-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-5-120121

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021
 Supervised By :Sohil Jodhani 12/06/2021

Quant Time: Dec 03 03:36:49 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 12:06:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	85389	20.000	ng	-0.02
21) Naphthalene-d8	10.593	136	315909	20.000	ng	-0.02
39) Acenaphthene-d10	14.439	164	203351	20.000	ng	-0.02
64) Phenanthrene-d10	17.204	188	434478	20.000	ng	-0.01
76) Chrysene-d12	21.310	240	442538	20.000	ng	0.00
86) Perylene-d12	23.710	264	501807	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	508081	95.804	ng	-0.02
7) Phenol-d6	6.981	99	661549	92.406	ng	-0.02
23) Nitrobenzene-d5	8.957	82	449643	64.723	ng	-0.02
42) 2,4,6-Tribromophenol	15.945	330	258810	99.574	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	822820	58.774	ng	-0.02
79) Terphenyl-d14	19.774	244	1191224	56.257	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.005	94	15563	2.115	ng	# 69
49) Acenaphthylene	14.163	152	115665	6.435	ng	98
52) Acenaphthene	14.510	154	21843	2.039	ng	99
71) Phenanthrene	17.245	178	585040	25.504	ng	99
72) Anthracene	17.339	178	200530	8.809	ng	99
73) Carbazole	17.616	167	51043	2.297	ng	98
75) Fluoranthene	19.227	202	2419134	78.282	ng	98
78) Pyrene	19.580	202	2184424	80.406	ng	100
81) Benzo(a)anthracene	21.298	228	1572658	53.620	ng	97
83) Chrysene	21.345	228	1415357	50.712	ng	97
87) Indeno(1,2,3-cd)pyrene	26.209	276	788560	21.600	ng	# 95
88) Benzo(b)fluoranthene	22.986	252	2022296	66.850	ng	98
89) Benzo(k)fluoranthene	23.027	252	627456m	21.186	ng	
90) Benzo(a)pyrene	23.604	252	1273187	49.243	ng	96
91) Dibenzo(a,h)anthracene	26.215	278	228871	7.549	ng	94
92) Benzo(g,h,i)perylene	26.980	276	692760	22.649	ng	98

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

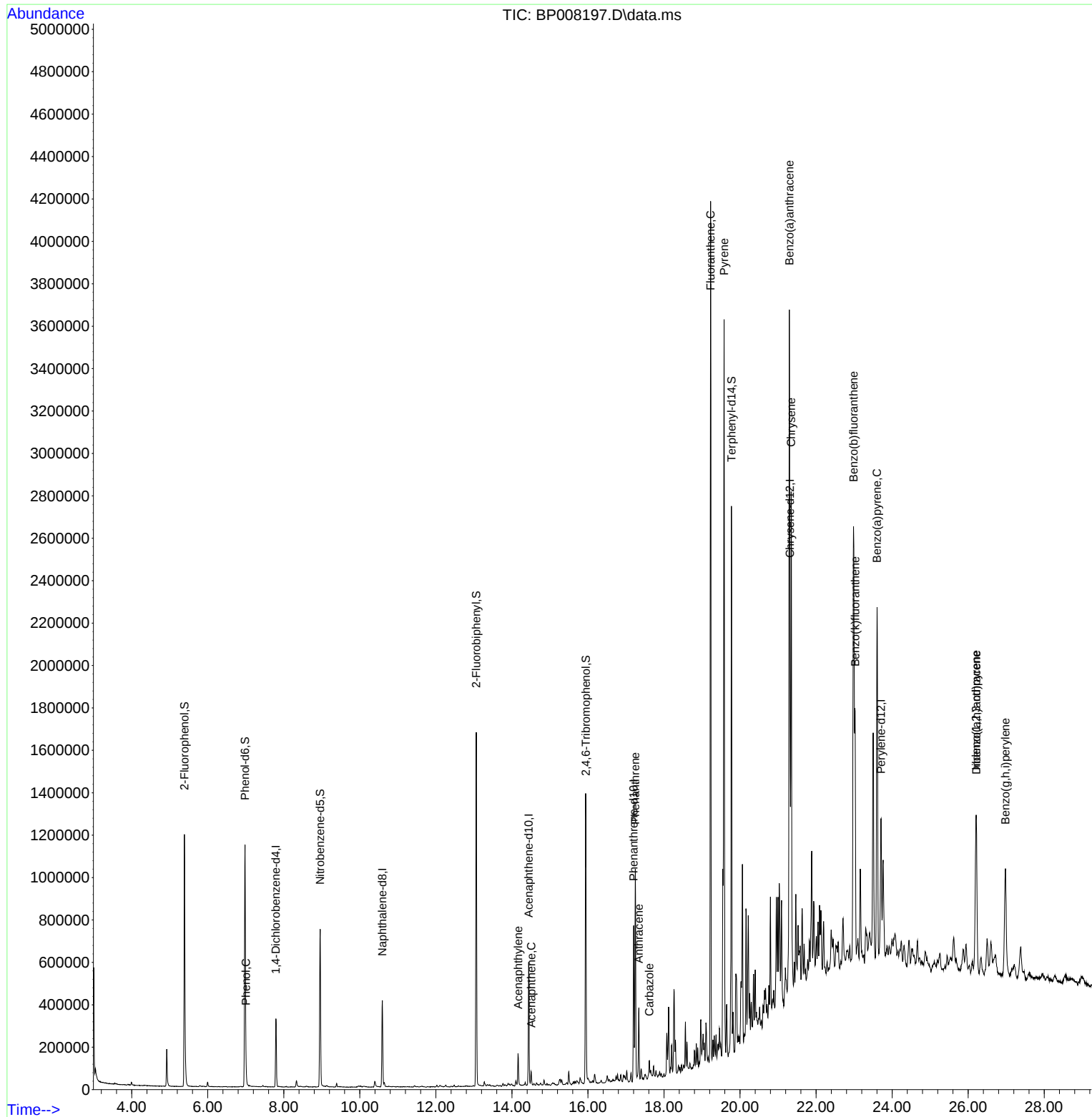
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
Data File : BP008197.D
Acq On : 02 Dec 2021 18:18
Operator : CG/JU
Sample : M4877-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

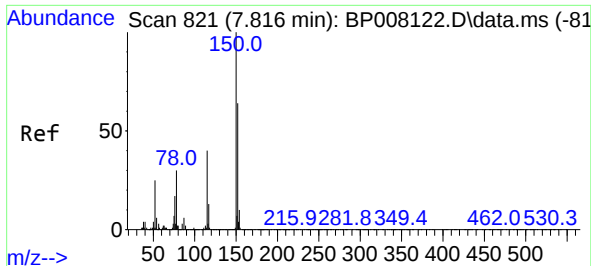
Instrument :
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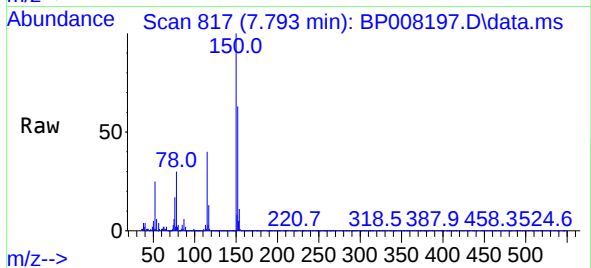
Quant Time: Dec 03 03:36:49 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 12:06:05 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.023 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

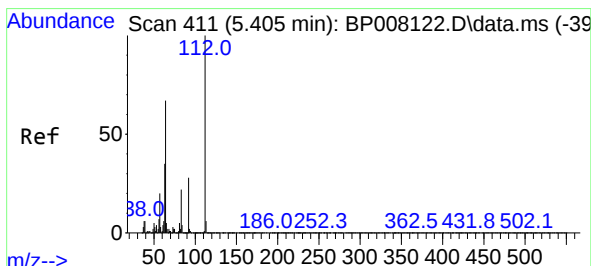
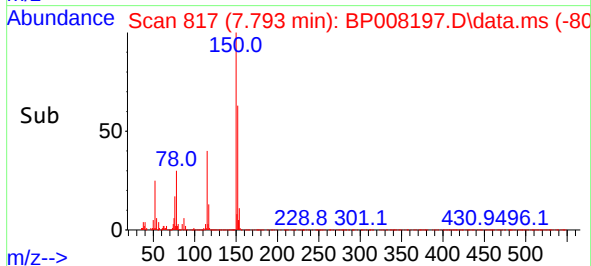
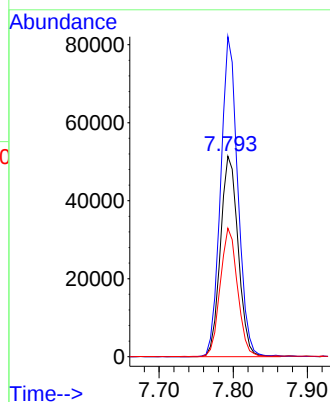
Instrument :
BNA_P
ClientSampleId :
PL-5-120121



Tgt Ion:152 Resp: 85389
Ion Ratio Lower Upper
152 100
150 159.7 125.7 188.5
115 64.2 50.7 76.1

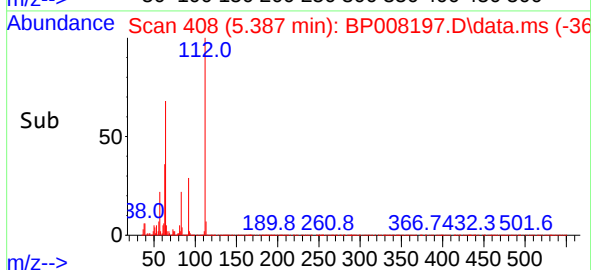
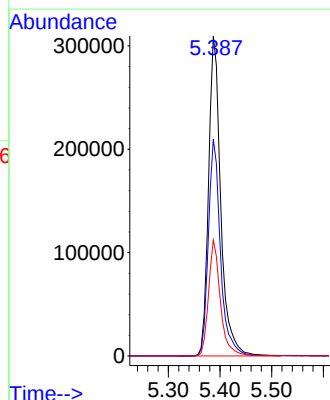
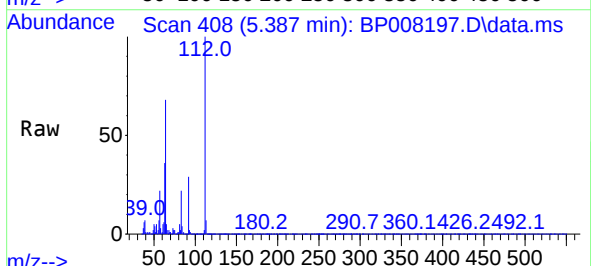
Manual Integrations
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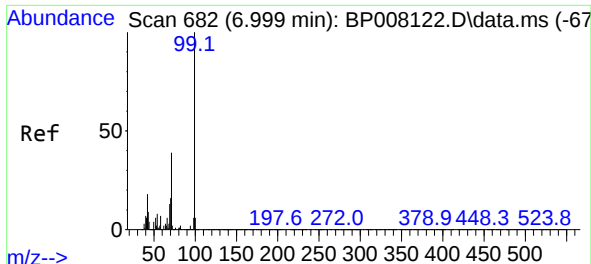
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#5
2-Fluorophenol
Concen: 95.804 ng
RT: 5.387 min Scan# 408
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

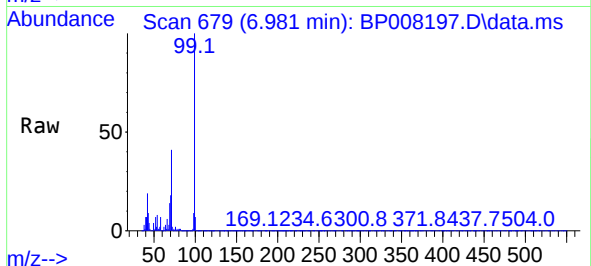
Tgt Ion:112 Resp: 508081
Ion Ratio Lower Upper
112 100
64 67.8 53.4 80.2
63 36.2 27.8 41.8





#7
Phenol-d6
Concen: 92.406 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

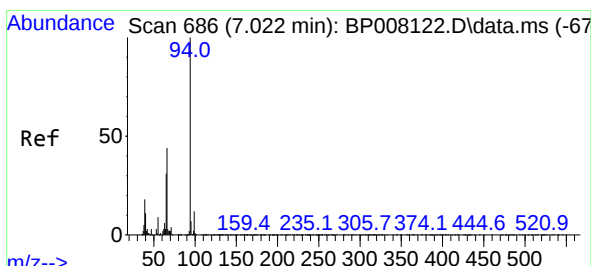
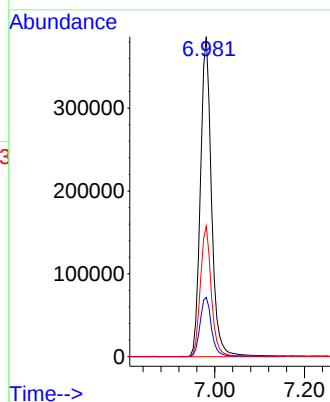
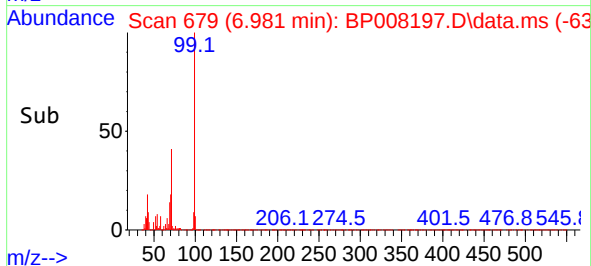
Instrument :
BNA_P
ClientSampleId :
PL-5-120121



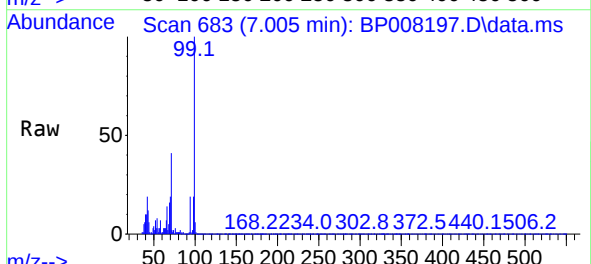
Tgt Ion: 99 Resp: 661549
Ion Ratio Lower Upper
99 100
42 18.6 14.6 22.0
71 40.8 31.1 46.7

Manual Integrations
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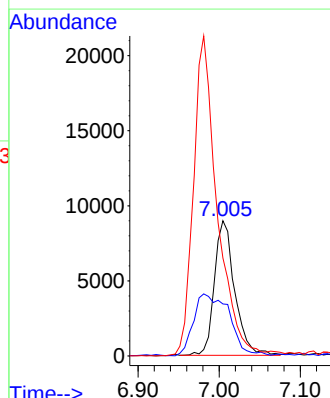
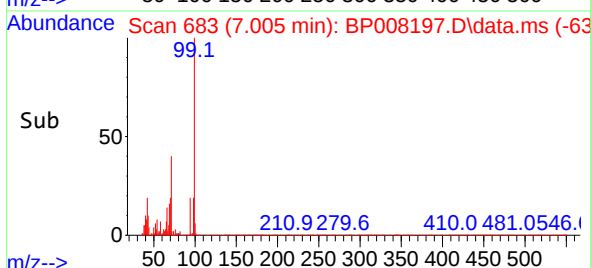
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021

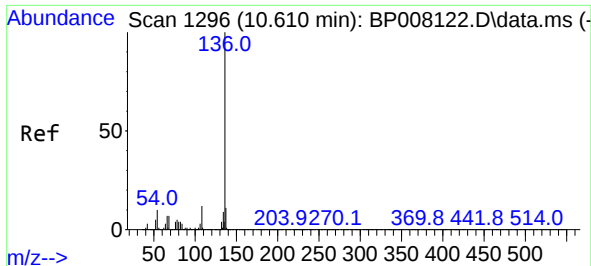


#10
Phenol
Concen: 2.115 ng
RT: 7.005 min Scan# 683
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18



Tgt Ion: 94 Resp: 15563
Ion Ratio Lower Upper
94 100
65 38.4 10.9 50.9
66 72.4 24.3 64.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

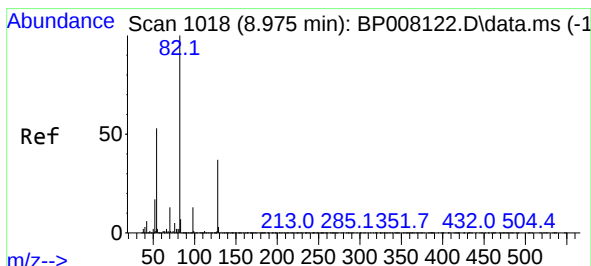
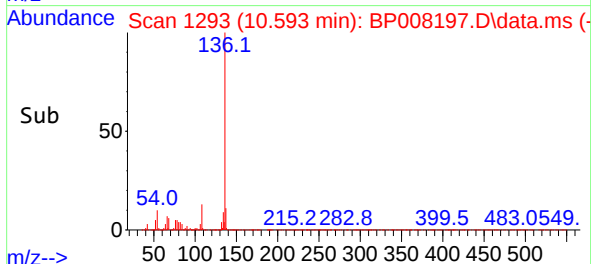
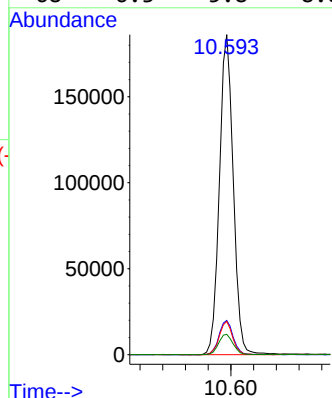
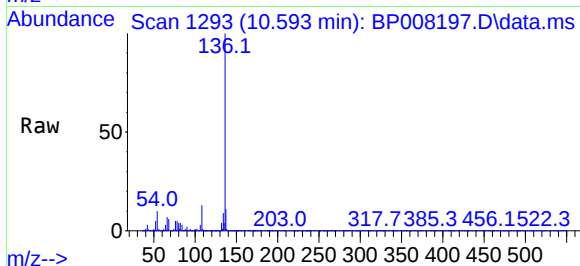
PL-5-120121

Tgt Ion:136 Resp: 315909
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.4 8.2 12.4
68 6.3 5.8 8.8

Manual Integrations

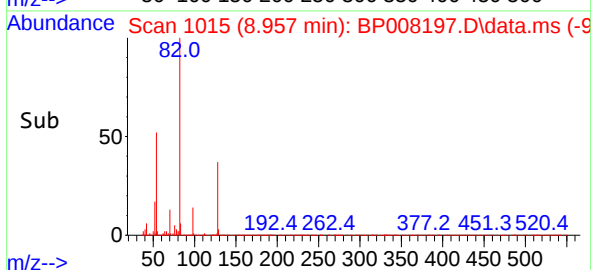
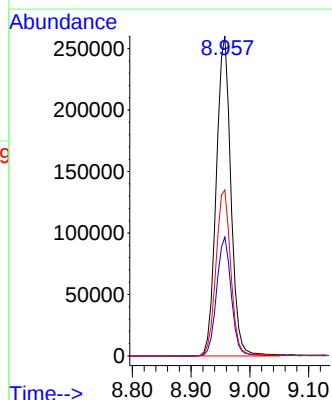
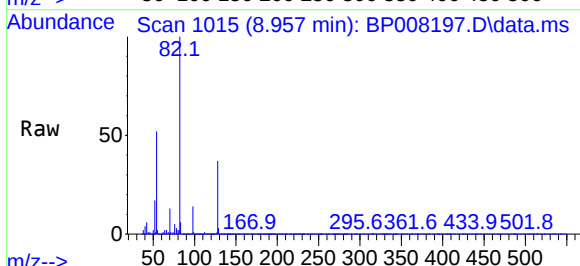
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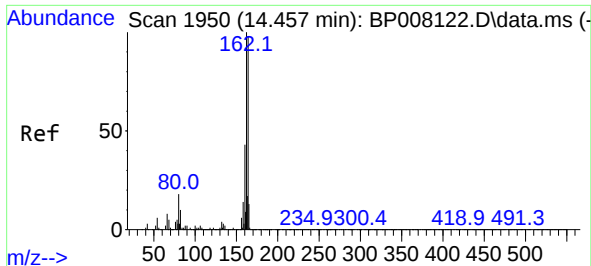
Reviewed By :Jagrut Upadhyay 12/03/2021
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#23
Nitrobenzene-d5
Concen: 64.723 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion: 82 Resp: 449643
Ion Ratio Lower Upper
82 100
128 37.2 29.6 44.4
54 51.9 42.7 64.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

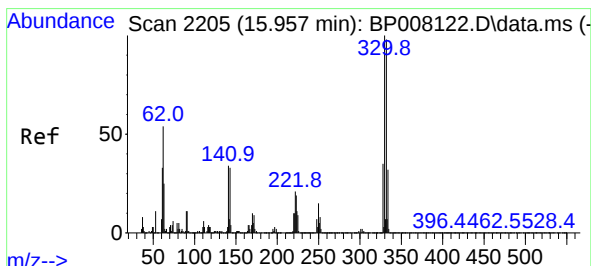
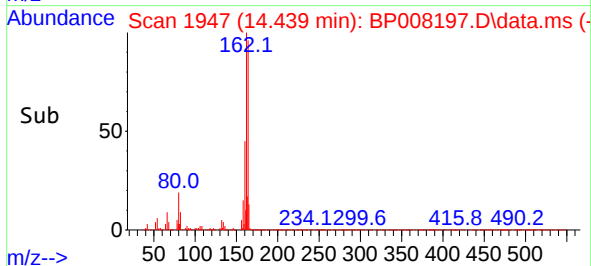
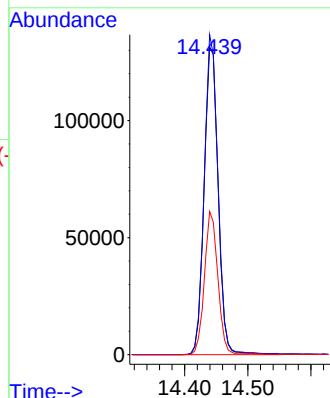
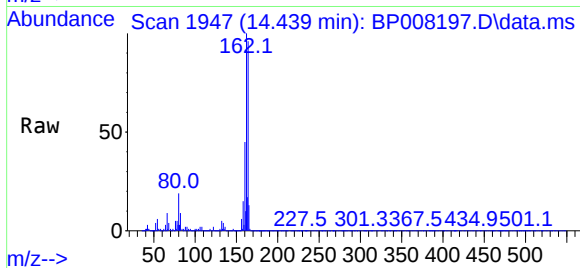
PL-5-120121

Tgt Ion:164 Resp: 20335
Ion Ratio Lower Upper
164 100
162 104.0 81.9 122.9
160 46.5 35.4 53.0

Manual Integrations

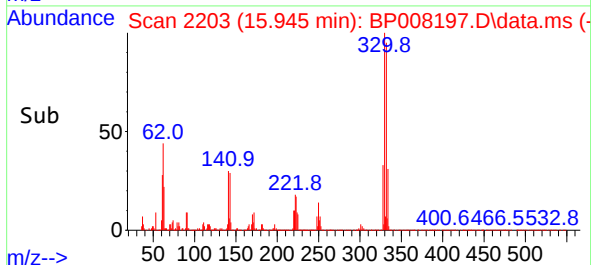
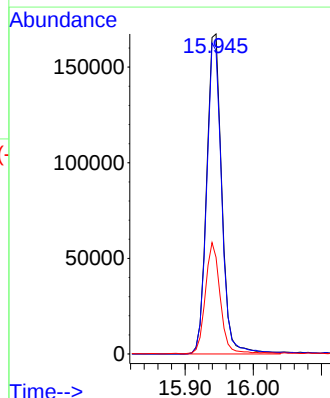
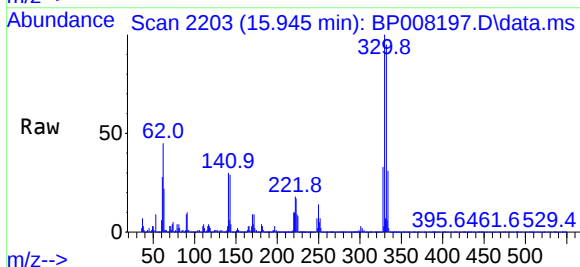
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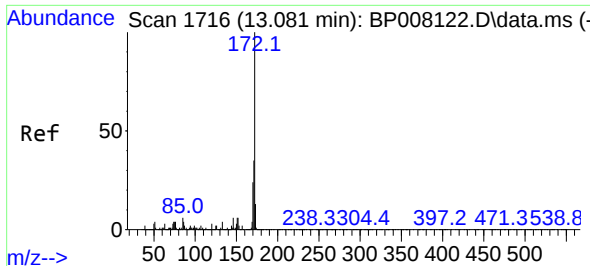
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#42
2,4,6-Tribromophenol
Concen: 99.574 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

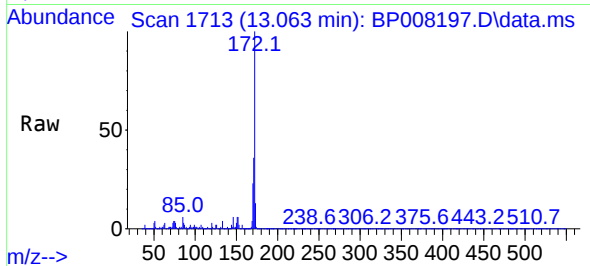
Tgt Ion:330 Resp: 258810
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 34.2 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 58.774 ng
RT: 13.063 min Scan# 1716
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

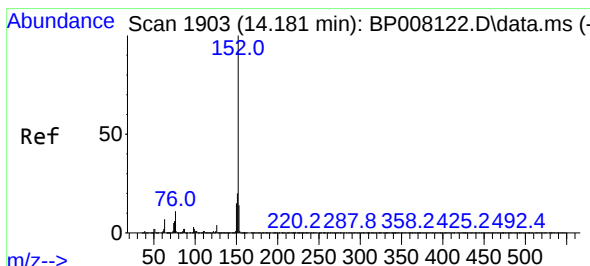
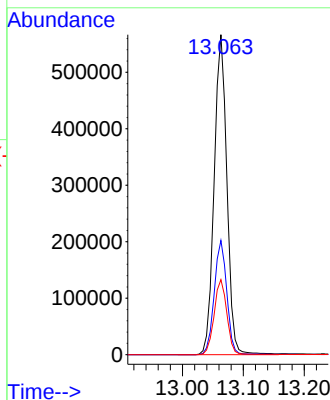
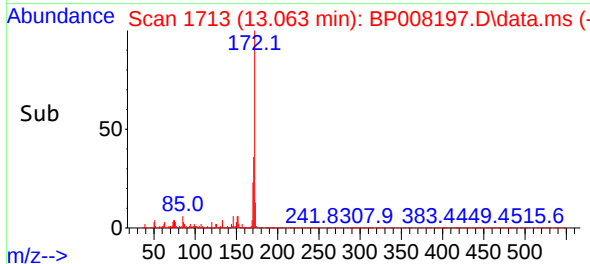
Instrument :
BNA_P
ClientSampleId :
PL-5-120121



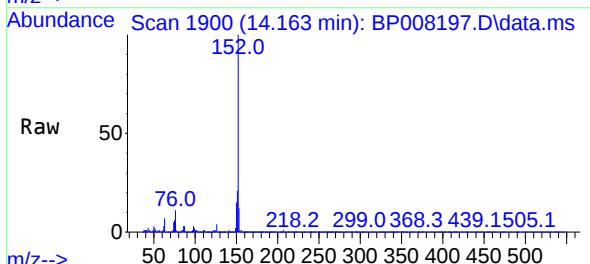
Tgt Ion:172 Resp: 822820
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.5 18.9 28.3

Manual Integrations
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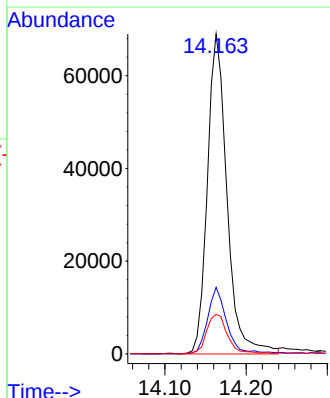
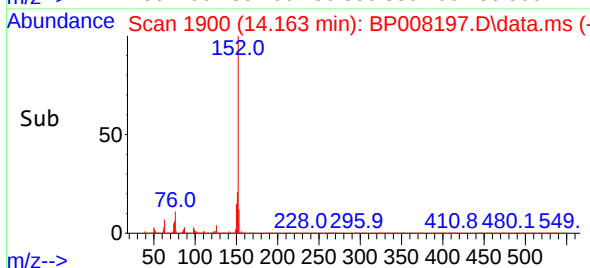
Reviewed By :Jagrut Upadhyay 12/03/2021
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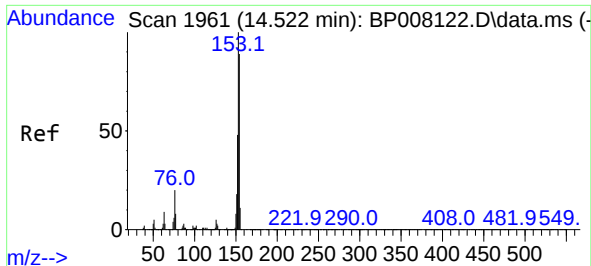


#49
Acenaphthylene
Concen: 6.435 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18



Tgt Ion:152 Resp: 115665
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4
153 12.3 10.9 16.3





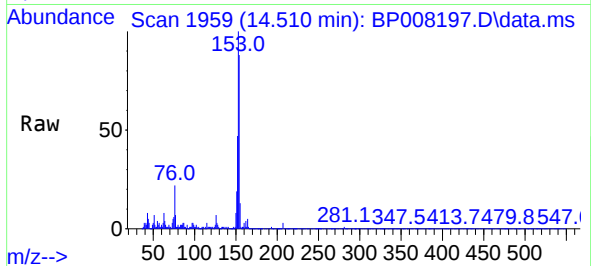
#52
Acenaphthene
Concen: 2.039 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

PL-5-120121

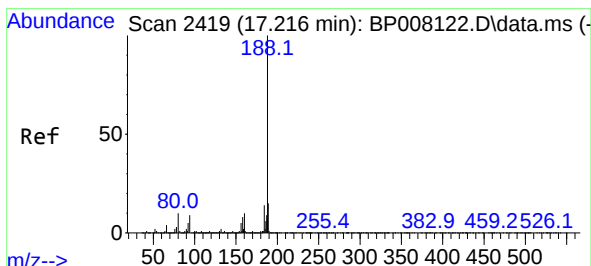
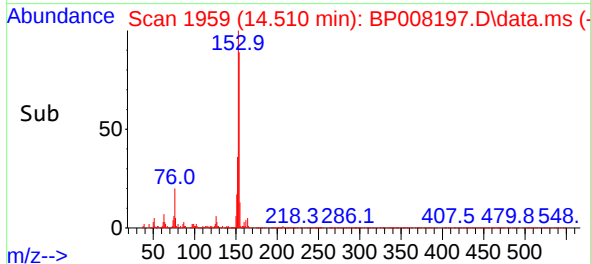
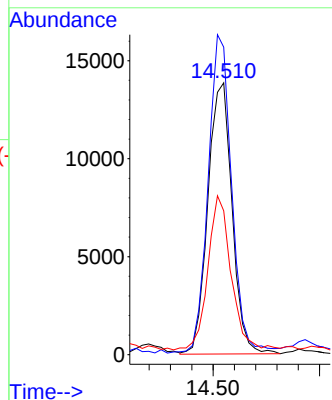


Tgt Ion:154 Resp: 2184
Ion Ratio Lower Upper
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153 113.1 90.3 135.5
152 52.9 43.3 64.9

Manual Integrations

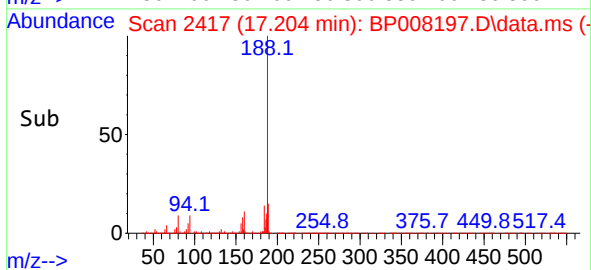
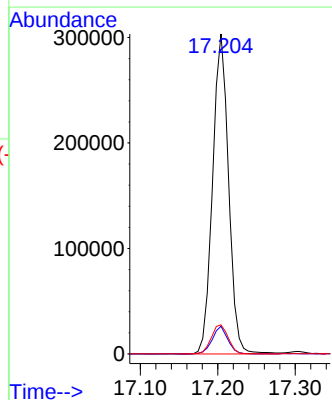
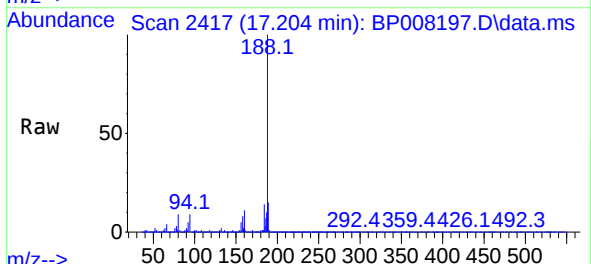
APPROVED

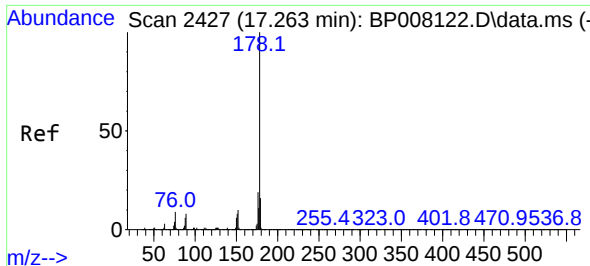
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:188 Resp: 434478
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.1 8.2 12.4





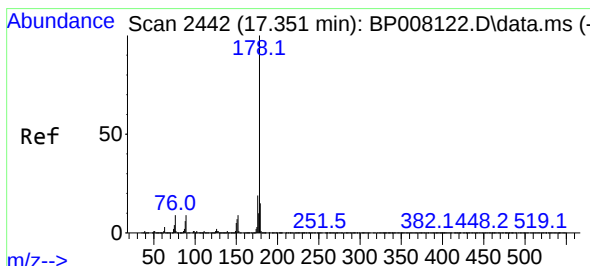
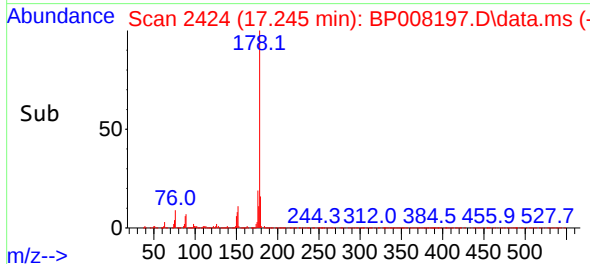
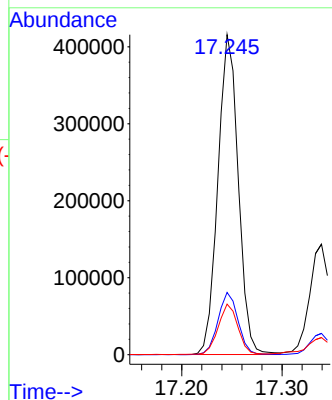
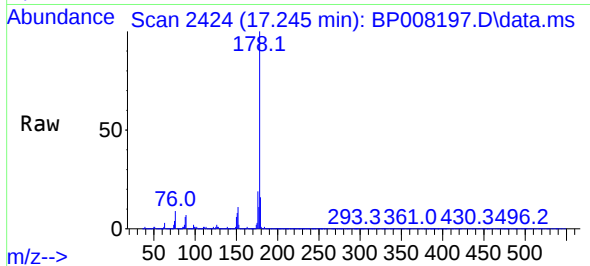
#71
Phenanthrene
Concen: 25.504 ng
RT: 17.245 min Scan# 2427
Delta R.T. -0.018 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :
BNA_P
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PL-5-120121

Tgt Ion:178 Resp: 585040
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.8 12.5 18.7

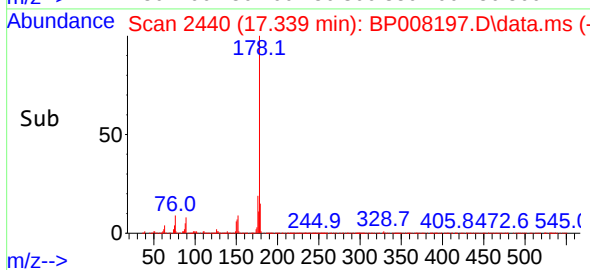
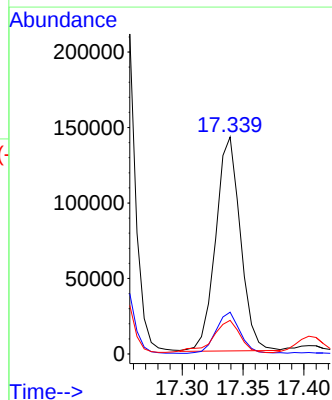
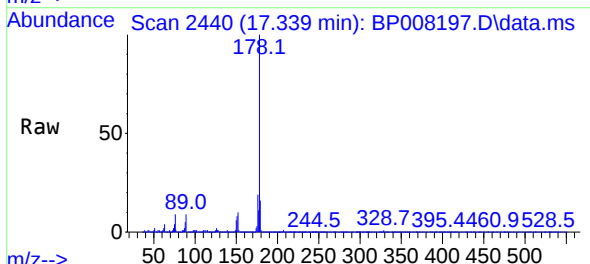
Manual Integrations
APPROVED

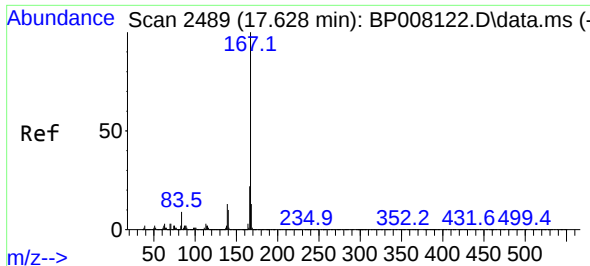
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#72
Anthracene
Concen: 8.809 ng
RT: 17.339 min Scan# 2440
Delta R.T. -0.012 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:178 Resp: 200530
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 2.297 ng
 RT: 17.616 min Scan# 2489
 Delta R.T. -0.012 min
 Lab File: BP008197.D
 Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

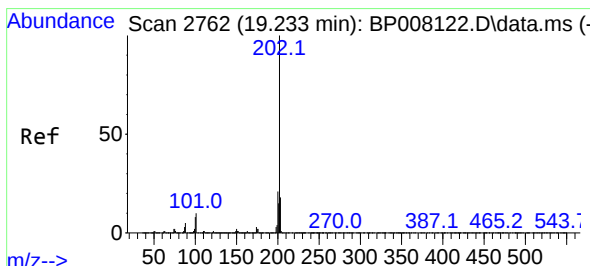
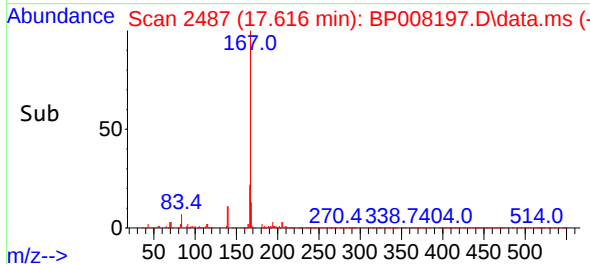
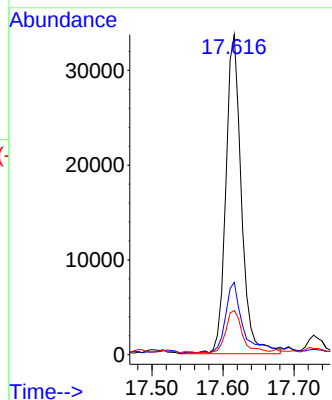
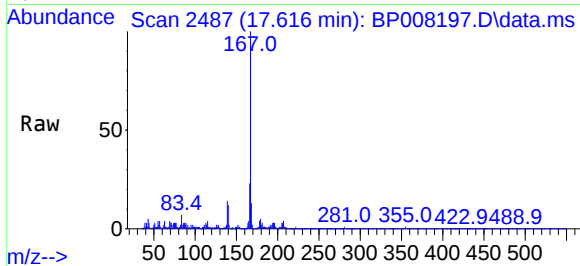
PL-5-120121

Tgt Ion:167 Resp: 5104
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 13.8 10.2 15.2

Manual Integrations

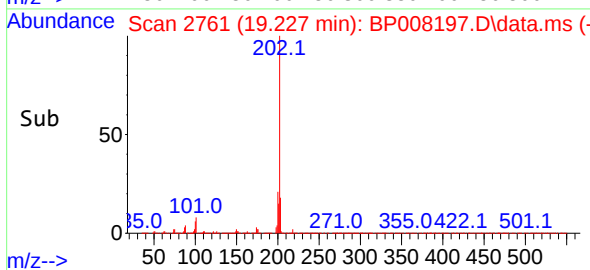
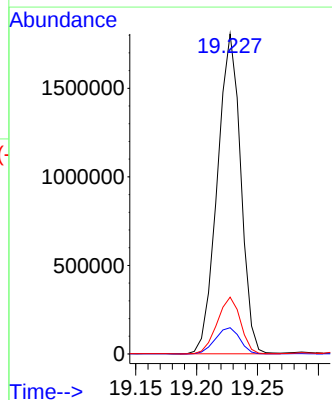
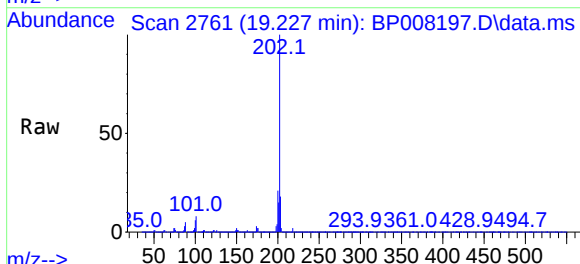
APPROVED

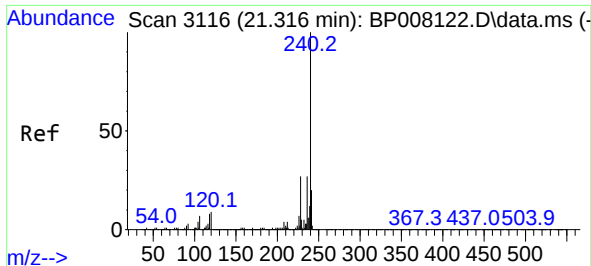
Reviewed By :Jagrut Upadhyay 12/03/2021
 Supervised By :Sohil Jodhani 12/06/2021



#75
 Fluoranthene
 Concen: 78.282 ng
 RT: 19.227 min Scan# 2761
 Delta R.T. -0.006 min
 Lab File: BP008197.D
 Acq: 02 Dec 2021 18:18

Tgt Ion:202 Resp: 2419134
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 29.8
 203 17.8 0.0 37.7





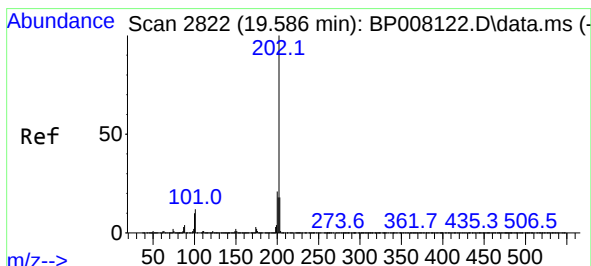
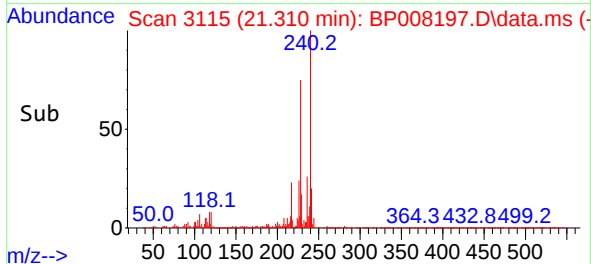
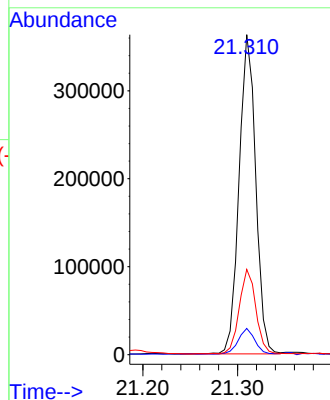
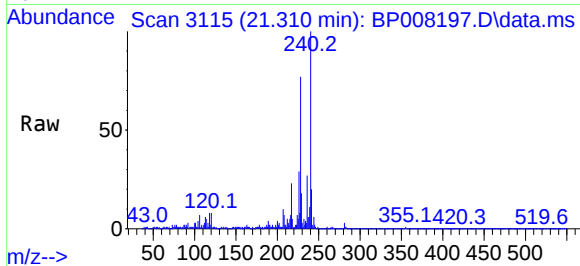
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Tgt Ion:240 Resp: 442538
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 26.7 21.4 32.2

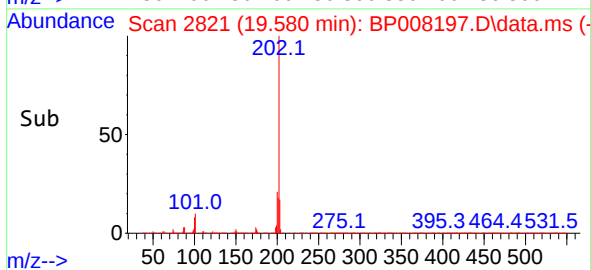
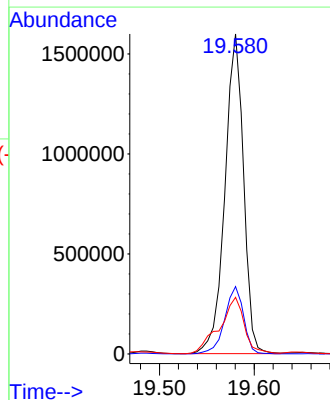
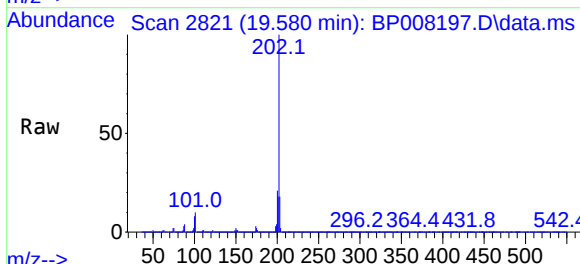
Manual Integrations
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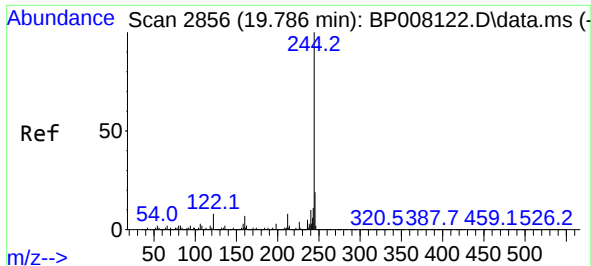
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#78
Pyrene
Concen: 80.406 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:202 Resp: 2184424
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.2 21.2





#79
 Terphenyl-d14
 Concen: 56.257 ng
 RT: 19.774 min Scan# 211
 Delta R.T. -0.012 min
 Lab File: BP008197.D
 Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

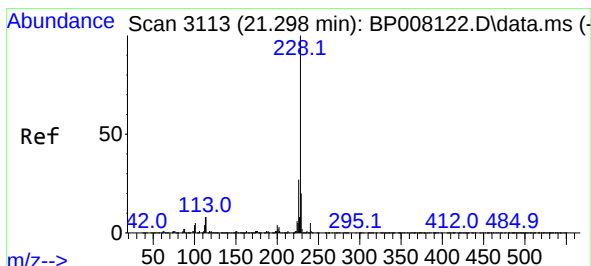
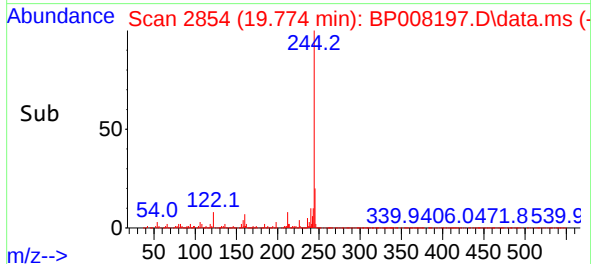
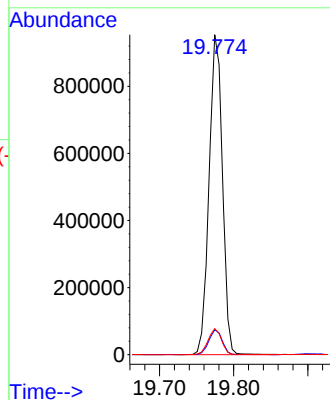
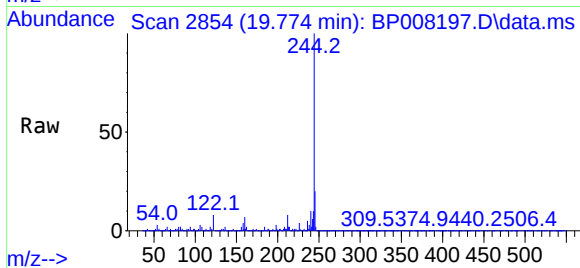
PL-5-120121

Tgt Ion:244 Resp: 1191224
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 8.1 6.6 9.8

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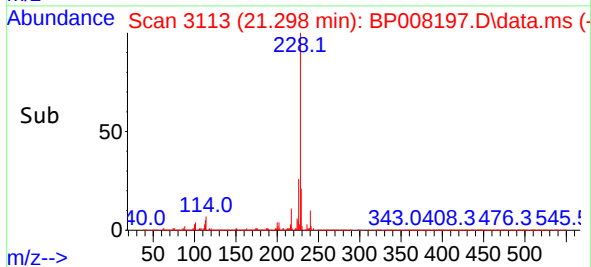
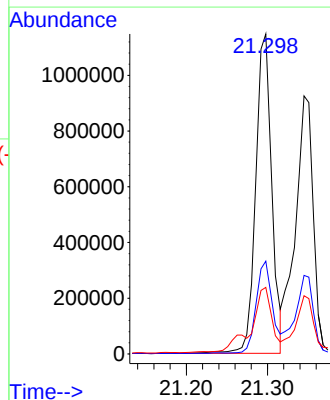
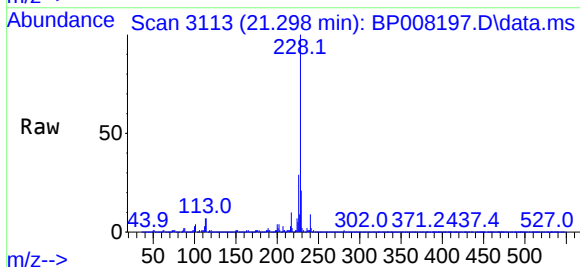
APPROVED

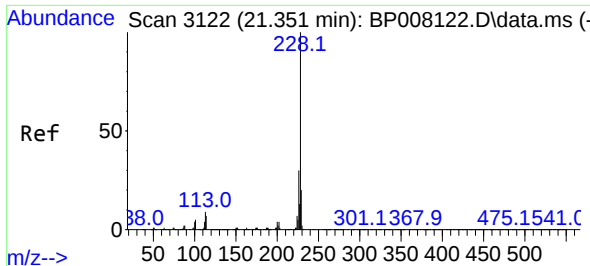
Reviewed By :Jagrut Upadhyay 12/03/2021
 Supervised By :Sohil Jodhani 12/06/2021



#81
 Benzo(a)anthracene
 Concen: 53.620 ng
 RT: 21.298 min Scan# 3113
 Delta R.T. -0.000 min
 Lab File: BP008197.D
 Acq: 02 Dec 2021 18:18

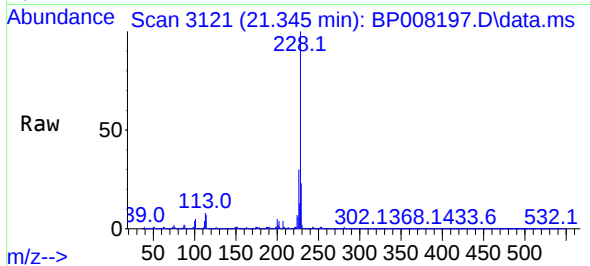
Tgt Ion:228 Resp: 1572658
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.9 32.9
 229 20.8 15.9 23.9





#83
Chrysene
Concen: 50.712 ng
RT: 21.345 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

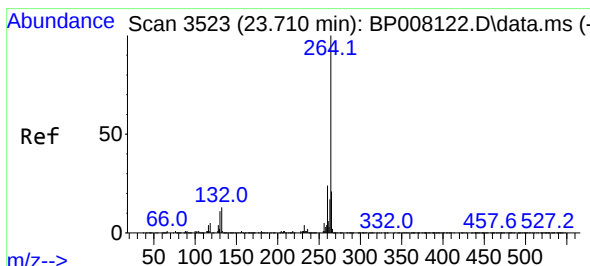
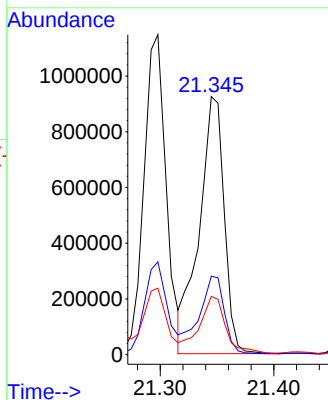
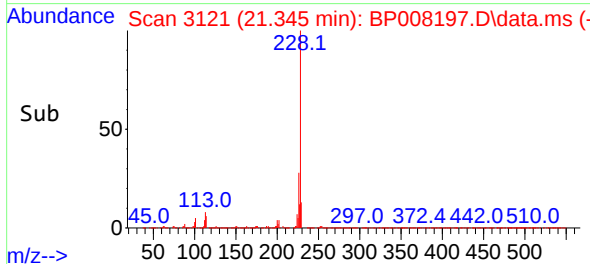
Instrument :
BNA_P
ClientSampleId :
PL-5-120121



Tgt Ion:228 Resp: 141535
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.6 15.8 23.8

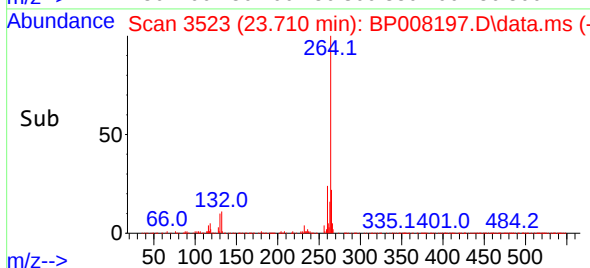
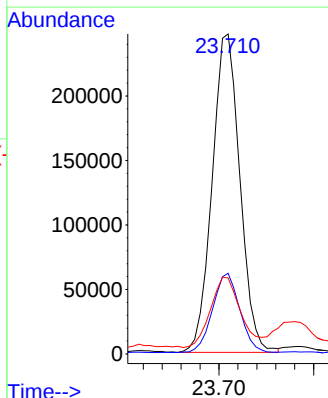
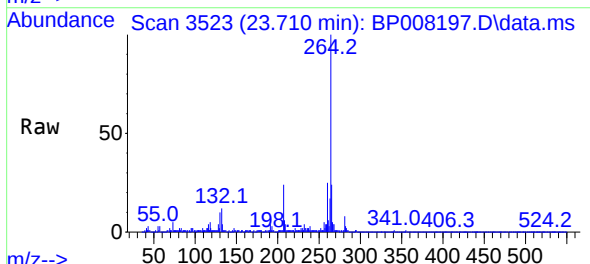
Manual Integrations
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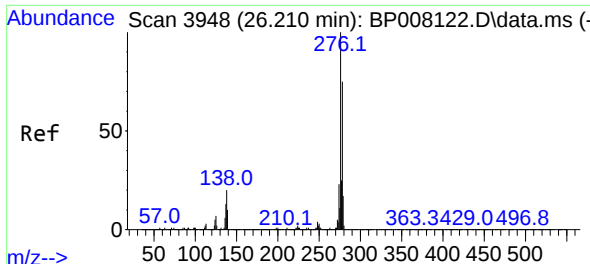
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. -0.000 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:264 Resp: 501807
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.2
265 23.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 21.600 ng
RT: 26.209 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

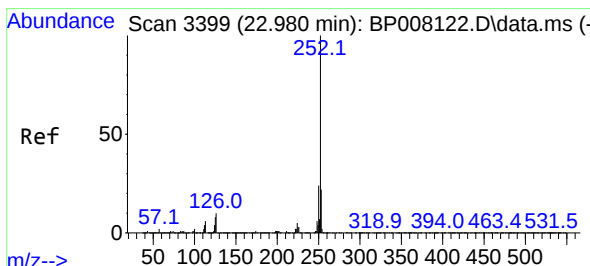
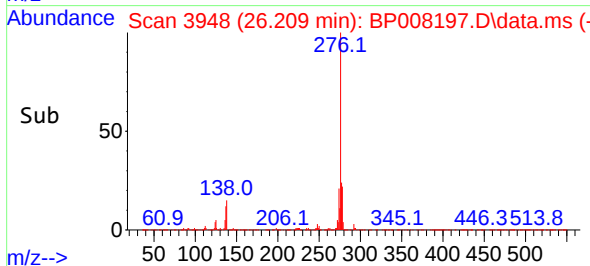
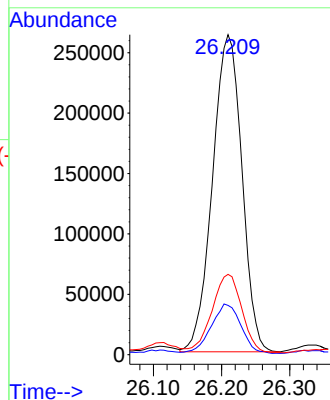
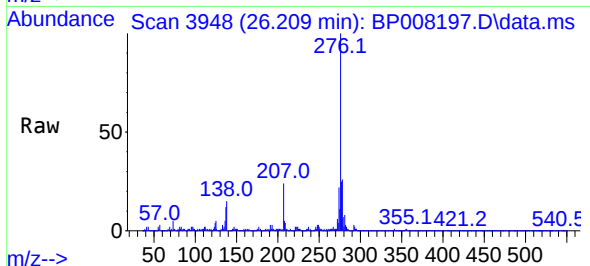
ClientSampleId :

PL-5-120121

Tgt Ion:276 Resp: 788560
Ion Ratio Lower Upper
276 100
138 15.7 16.6 25.0
277 25.0 20.2 30.2

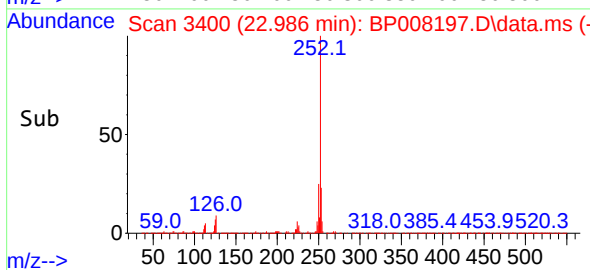
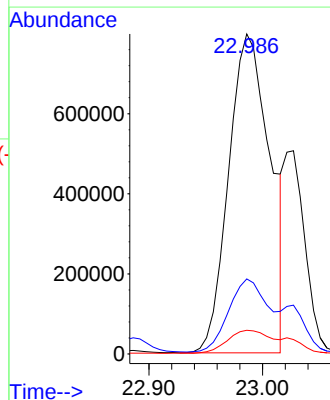
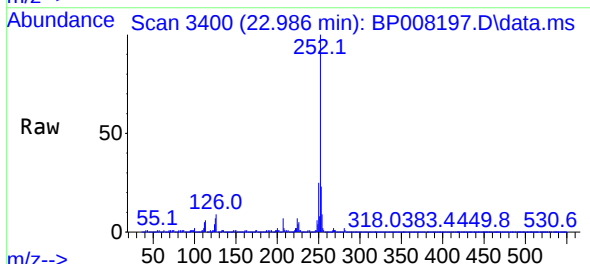
Manual Integrations
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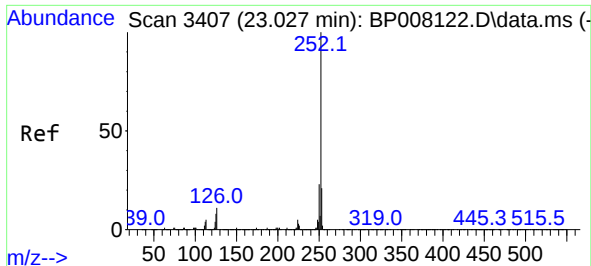
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#88
Benzo(b)fluoranthene
Concen: 66.850 ng
RT: 22.986 min Scan# 3400
Delta R.T. 0.006 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:252 Resp: 2022296
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 7.4 6.2 9.4





#89
Benzo(k)fluoranthene
Concen: 21.186 ng m
RT: 23.027 min Scan# 3407
Delta R.T. -0.000 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :

BNA_P

ClientSampleId :

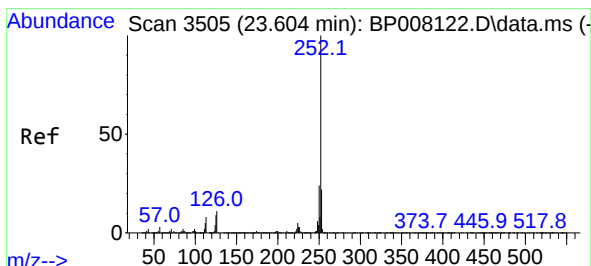
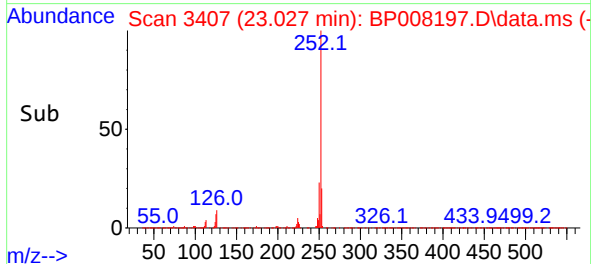
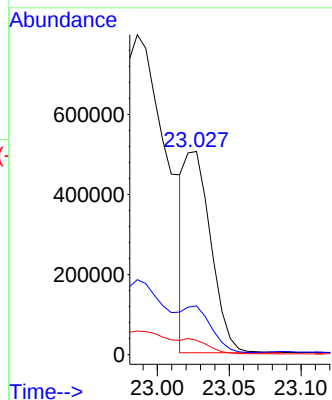
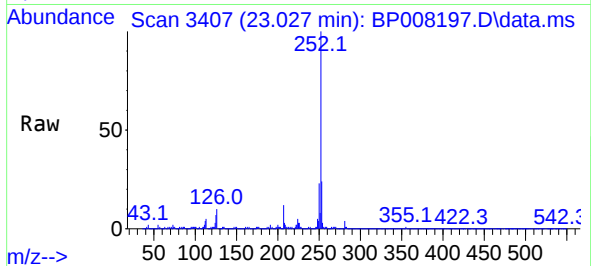
PL-5-120121

Tgt Ion:252 Resp: 627450
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 7.1 6.5 9.7

Manual Integrations

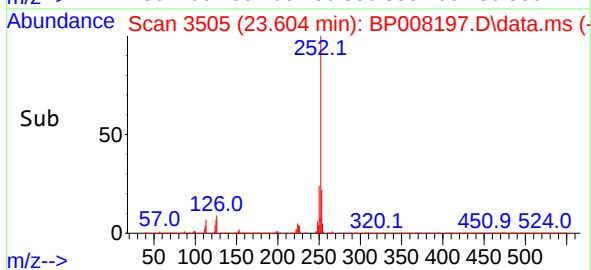
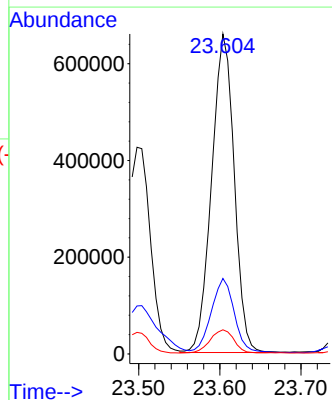
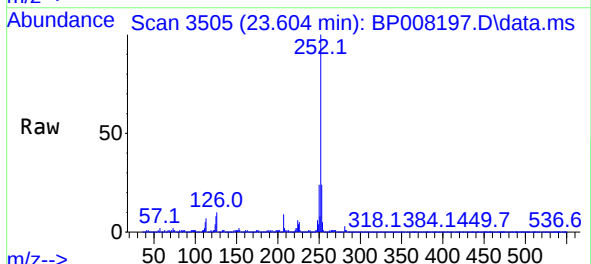
APPROVED

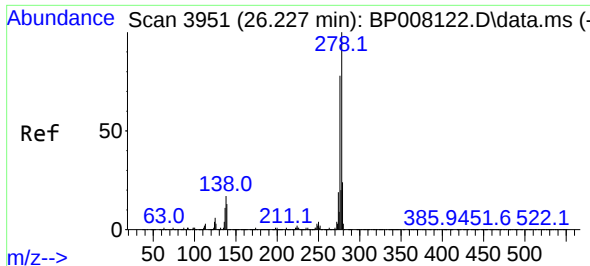
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :Sohil Jodhani 12/06/2021



#90
Benzo(a)pyrene
Concen: 49.243 ng
RT: 23.604 min Scan# 3505
Delta R.T. -0.000 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion:252 Resp: 1273187
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 7.5 7.4 11.0





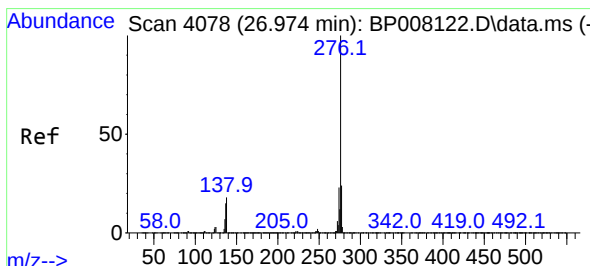
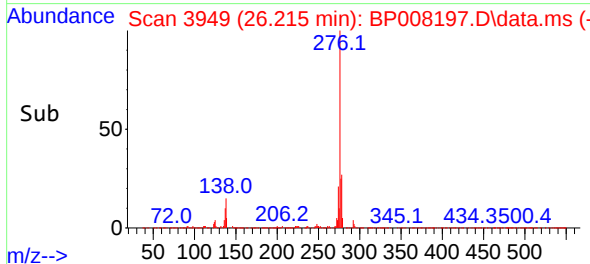
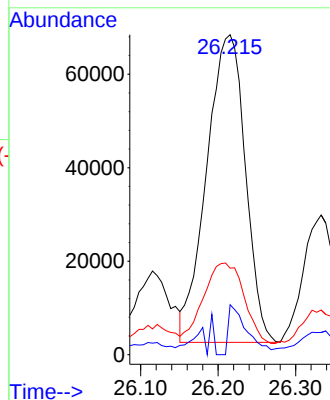
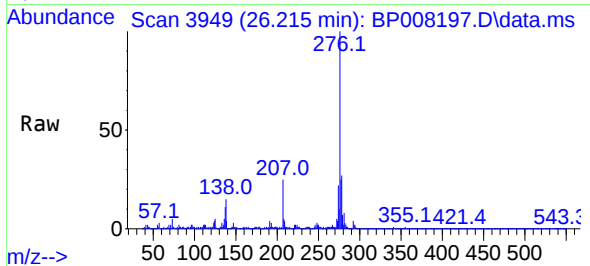
#91
Dibenzo(a,h)anthracene
Concen: 7.549 ng
RT: 26.215 min Scan# 3949
Delta R.T. -0.012 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Instrument :
BNA_P
ClientSampleId :
PL-5-120121

Tgt Ion: 278 Resp: 22887
Ion Ratio Lower Upper
278 100
139 15.6 10.8 16.2
279 27.1 19.1 28.7

Manual Integrations
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Reviewed By : Jagrut Upadhyay 12/03/2021
Supervised By : Sohil Jodhani 12/06/2021



#92
Benzo(g,h,i)perylene
Concen: 22.649 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.006 min
Lab File: BP008197.D
Acq: 02 Dec 2021 18:18

Tgt Ion: 276 Resp: 692760
Ion Ratio Lower Upper
276 100
277 24.7 20.0 30.0
138 16.1 14.1 21.1

