

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
 Data File : BP007880.D
 Acq On : 09 Nov 2021 02:02
 Operator : CG/JU
 Sample : M4569-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/09/2021
 Supervised By :mohammad ahmed 11/09/2021

Quant Time: Nov 09 08:49:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 08 16:36:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	157272	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	546965	20.000	ng	-0.01
39) Acenaphthene-d10	14.498	164	358393	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	785188	20.000	ng	-0.01
76) Chrysene-d12	21.345	240	817941	20.000	ng	0.00
86) Perylene-d12	23.757	264	937416	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	848371	91.484	ng	0.00
7) Phenol-d6	7.040	99	1048463	78.113	ng	0.00
23) Nitrobenzene-d5	9.016	82	608219	59.733	ng	-0.02
42) 2,4,6-Tribromophenol	15.992	330	470178	91.925	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1342339	54.544	ng	-0.01
79) Terphenyl-d14	19.816	244	2083385	51.866	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.710	128	57591	2.081	ng	99
37) 2-Methylnaphthalene	12.322	142	43954	2.154	ng	97
38) 1-Methylnaphthalene	12.540	142	53079m	2.654	ng	
49) Acenaphthylene	14.216	152	112184	3.552	ng	96
52) Acenaphthene	14.563	154	147008	7.708	ng	98
55) Dibenzofuran	14.898	168	131373	4.072	ng	# 95
58) Fluorene	15.545	166	169081	6.909	ng	95
71) Phenanthrene	17.298	178	3570775	86.508	ng	100
72) Anthracene	17.386	178	794986	19.571	ng	99
73) Carbazole	17.657	167	281845	6.980	ng	100
75) Fluoranthene	19.269	202	5129089	98.504	ng	96
78) Pyrene	19.622	202	4846264	96.601	ng	99
81) Benzo(a)anthracene	21.333	228	2791766	51.808	ng	98
83) Chrysene	21.386	228	2755626	54.018	ng	98
87) Indeno(1,2,3-cd)pyrene	26.280	276	1843494	26.383	ng	# 92
88) Benzo(b)fluoranthene	23.027	252	3357231m	60.755	ng	
89) Benzo(k)fluoranthene	23.069	252	1262704m	23.024	ng	
90) Benzo(a)pyrene	23.657	252	2500613m	52.263	ng	
91) Dibenzo(a,h)anthracene	26.286	278	535852m	9.252	ng	
92) Benzo(g,h,i)perylene	27.051	276	1760436	30.641	ng	96

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

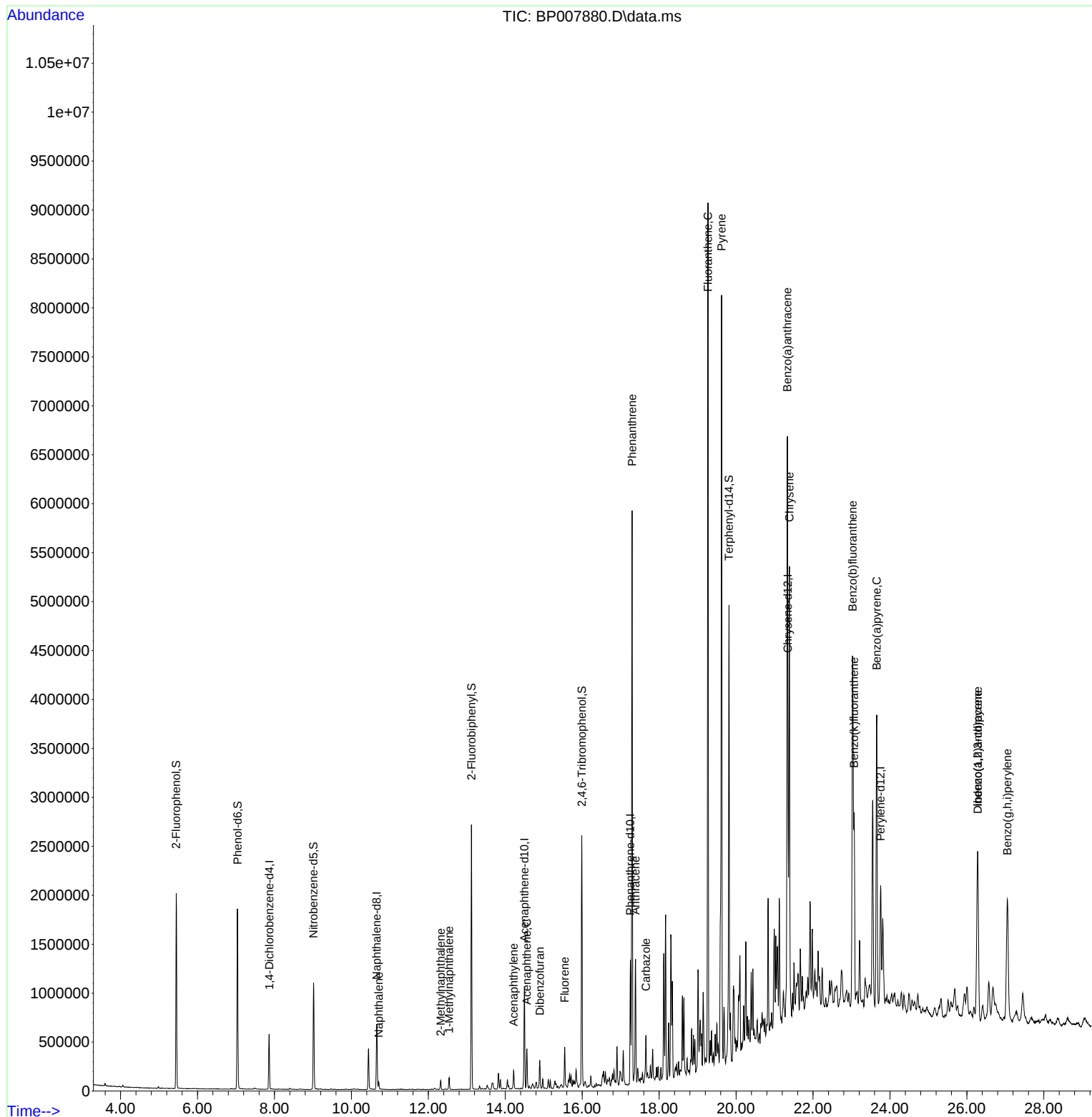
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
Data File : BP007880.D
Acq On : 09 Nov 2021 02:02
Operator : CG/JU
Sample : M4569-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

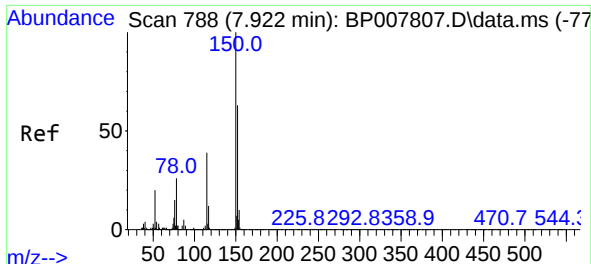
Instrument :
BNA_P
ClientSampleId :
CL-02-110521

Quant Time: Nov 09 08:49:02 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 08 16:36:40 2021
Response via : Initial Calibration

Manual Integrations
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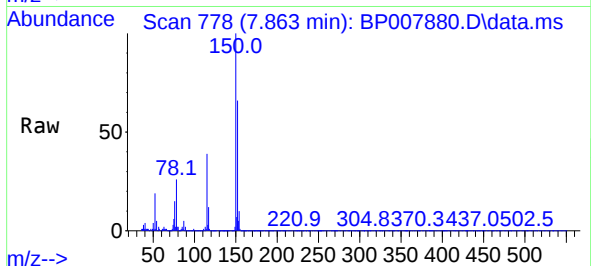
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

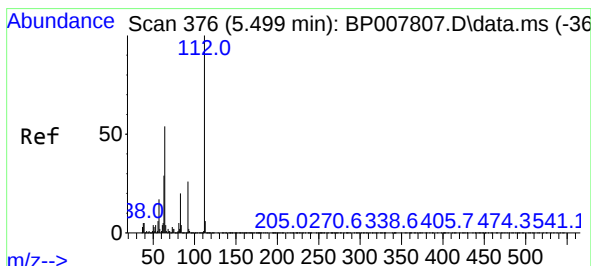
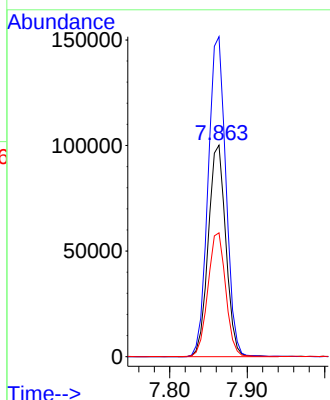
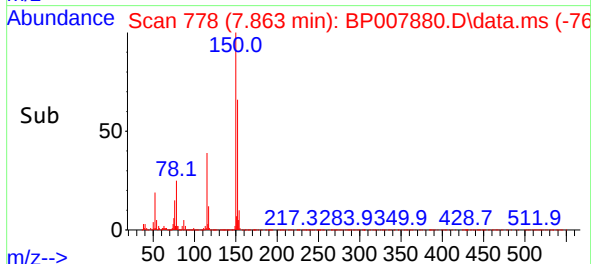
Instrument :
BNA_P
ClientSampleId :
CL-02-110521



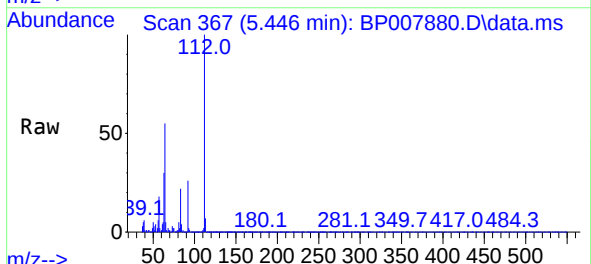
Tgt Ion:152 Resp: 157272
Ion Ratio Lower Upper
152 100
150 151.3 124.1 186.1
115 58.6 48.1 72.1

Manual Integrations
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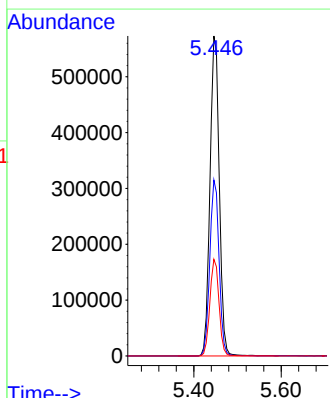
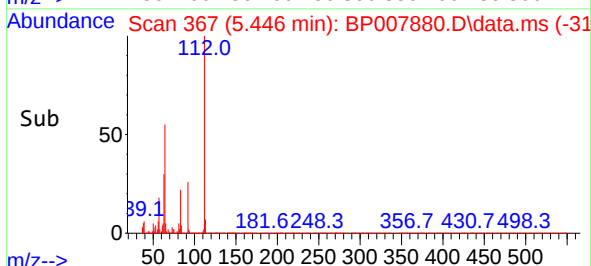
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

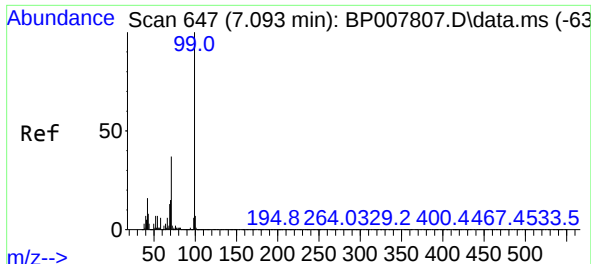


#5
2-Fluorophenol
Concen: 91.484 ng
RT: 5.446 min Scan# 367
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02



Tgt Ion:112 Resp: 848371
Ion Ratio Lower Upper
112 100
64 55.0 46.6 70.0
63 30.2 25.0 37.6





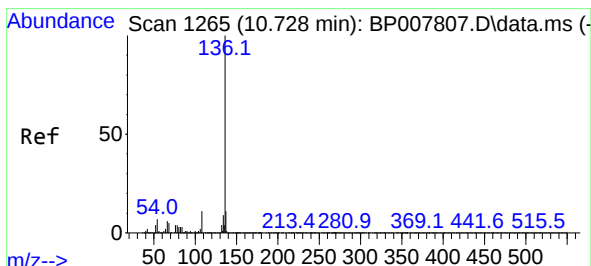
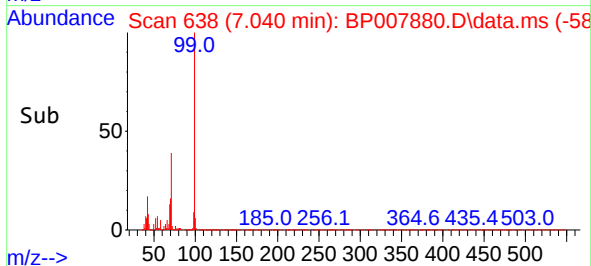
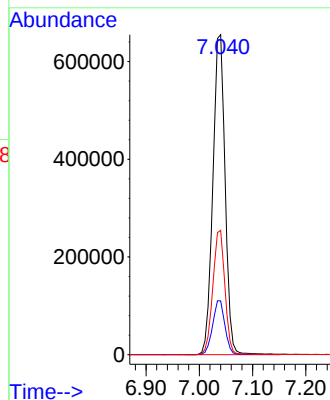
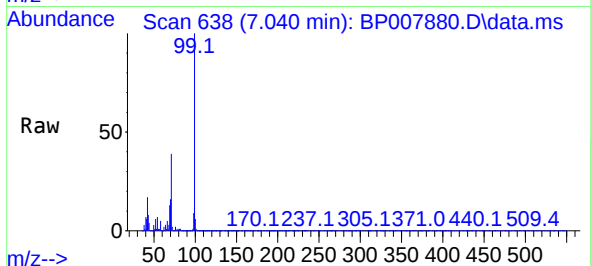
#7
Phenol-d6
Concen: 78.113 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :
BNA_P
ClientSampleId :
CL-02-110521

Tgt Ion: 99 Resp: 104846
Ion Ratio Lower Upper
99 100
42 16.8 14.9 22.3
71 38.8 29.2 43.8

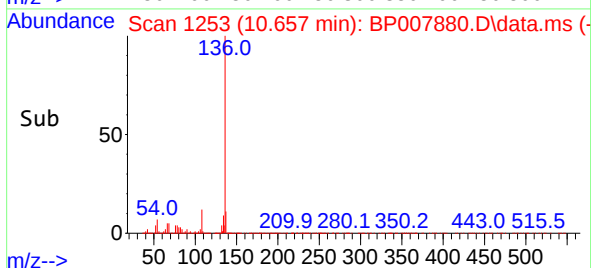
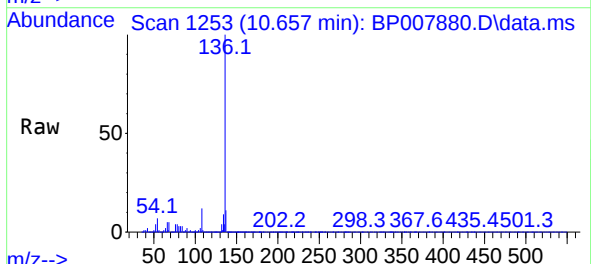
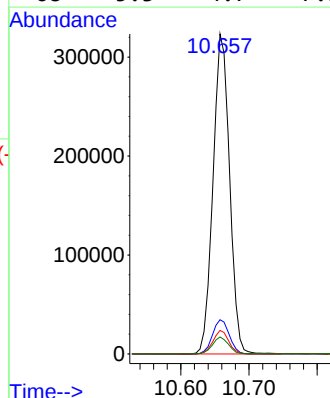
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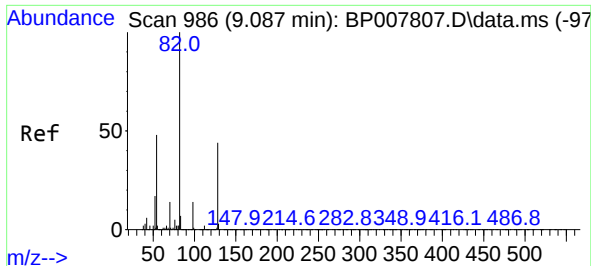
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1253
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

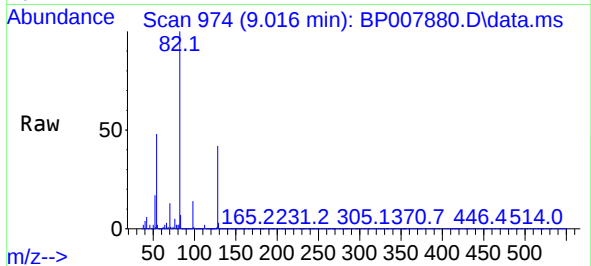
Tgt Ion:136 Resp: 546965
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.4 6.2 9.4
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 59.733 ng
RT: 9.016 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

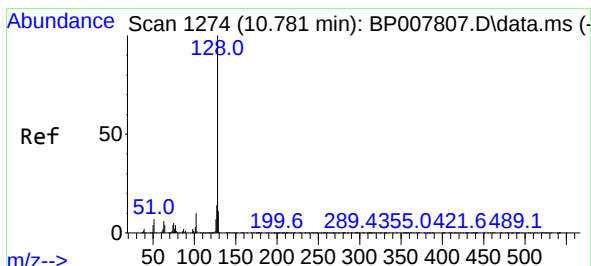
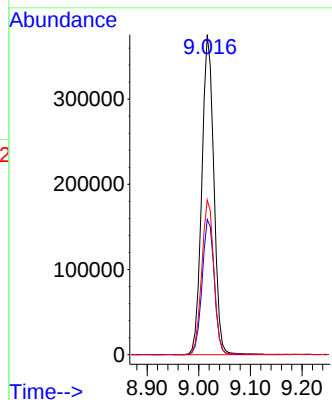
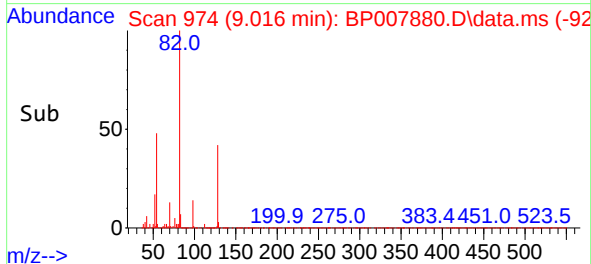
Instrument :
BNA_P
ClientSampleId :
CL-02-110521



Tgt Ion: 82 Resp: 608219
Ion Ratio Lower Upper
82 100
128 42.3 32.6 48.8
54 48.3 40.4 60.6

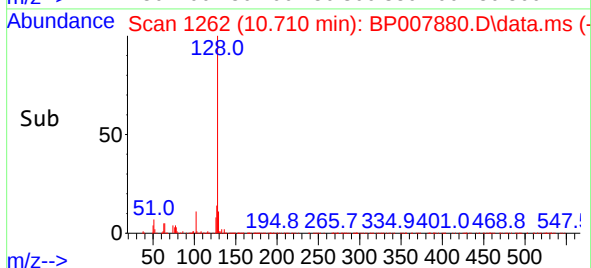
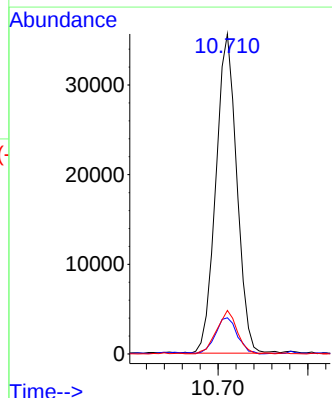
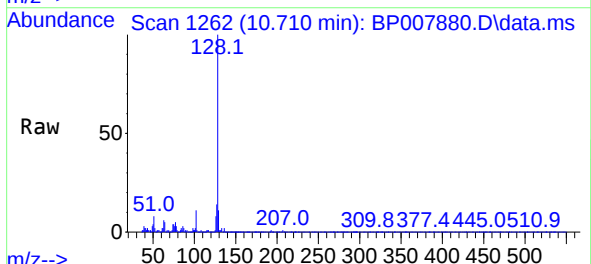
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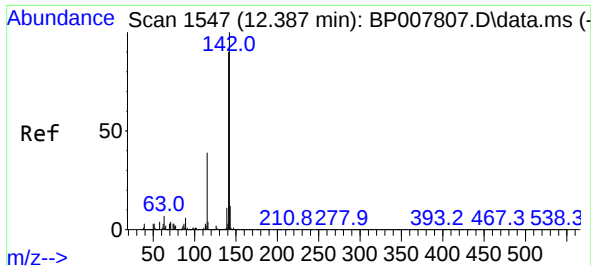
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#31
Naphthalene
Concen: 2.081 ng
RT: 10.710 min Scan# 1262
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:128 Resp: 57591
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.6 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.154 ng
RT: 12.322 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

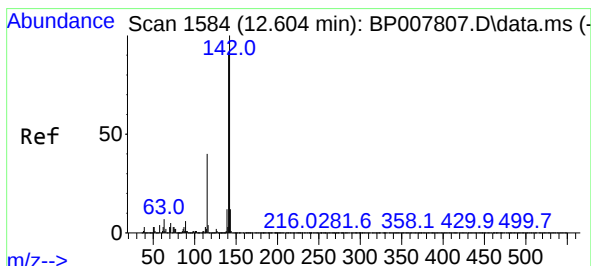
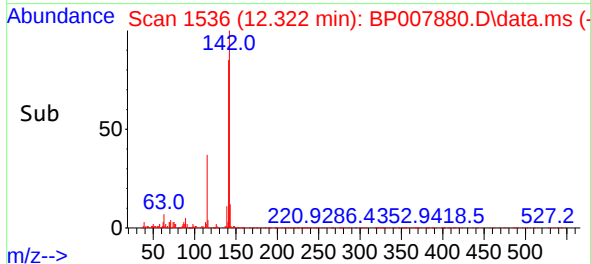
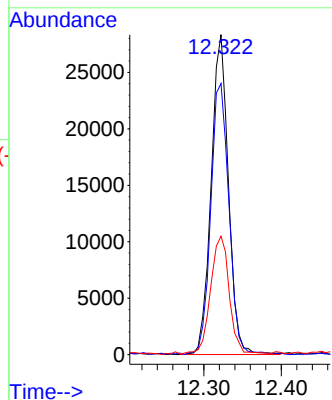
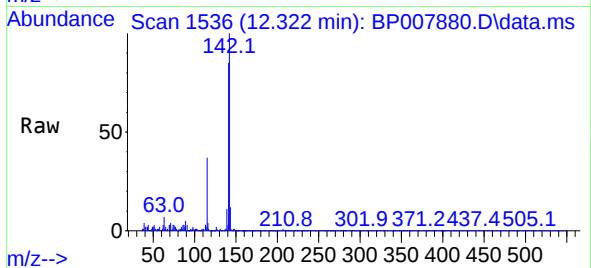
CL-02-110521

Tgt Ion:142 Resp: 43954
Ion Ratio Lower Upper
142 100
141 84.8 71.4 107.0
115 37.0 29.5 44.3

Manual Integrations

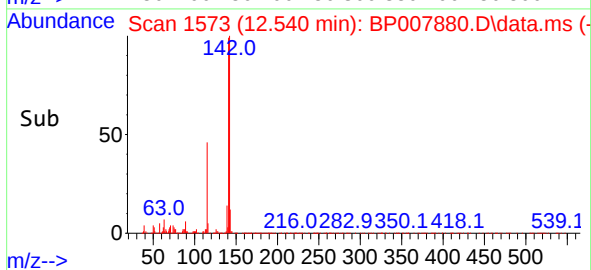
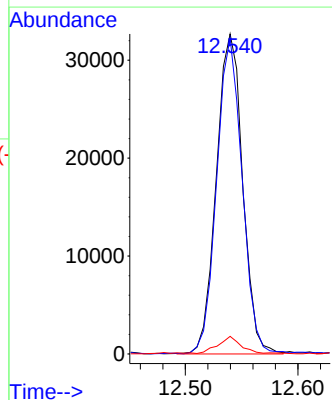
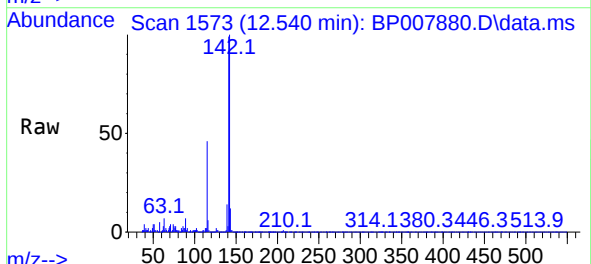
APPROVED

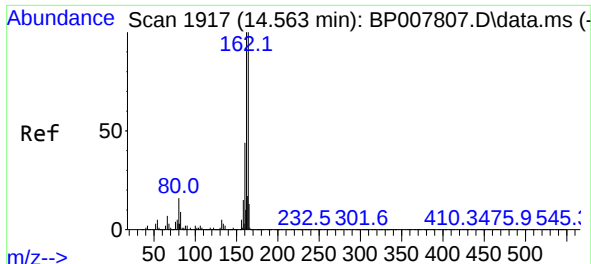
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#38
1-Methylnaphthalene
Concen: 2.654 ng m
RT: 12.540 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:142 Resp: 53079
Ion Ratio Lower Upper
142 100
141 98.8 74.4 111.6
116 5.5 3.4 5.0#





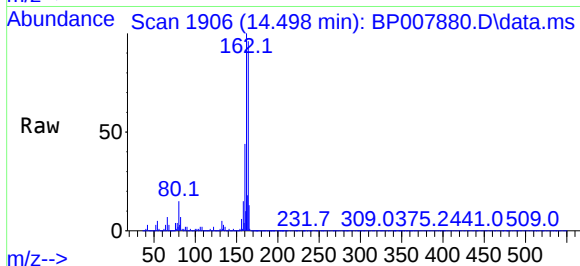
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

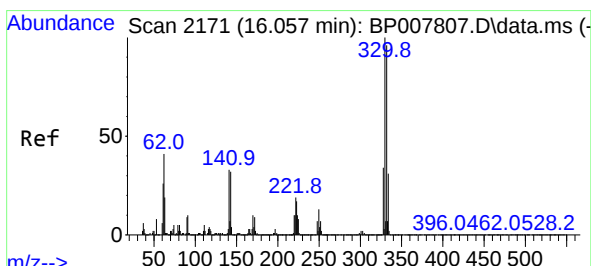
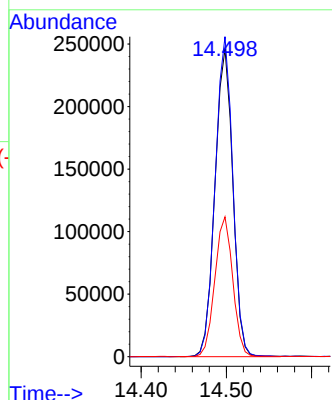
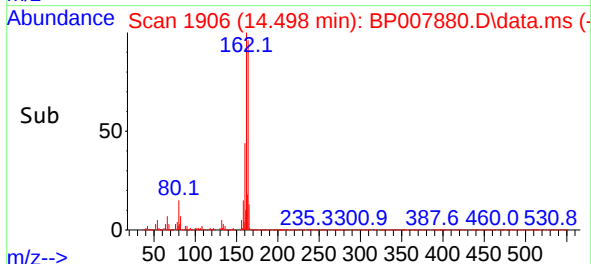


Tgt Ion:164 Resp: 35839
Ion Ratio Lower Upper
164 100
162 104.0 81.1 121.7
160 45.4 36.0 54.0

Manual Integrations

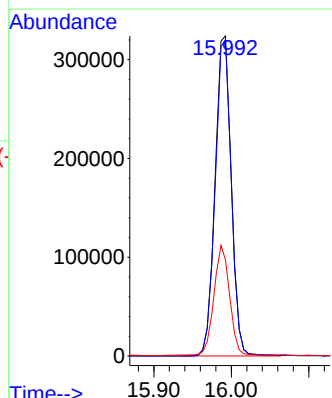
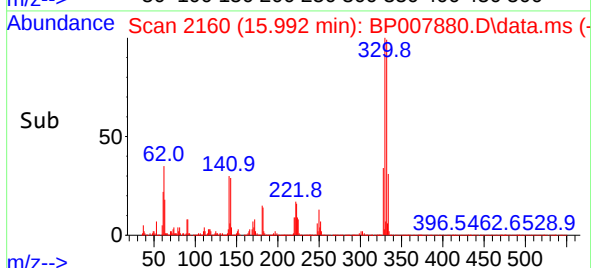
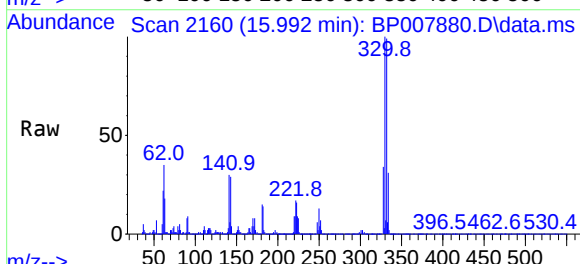
APPROVED

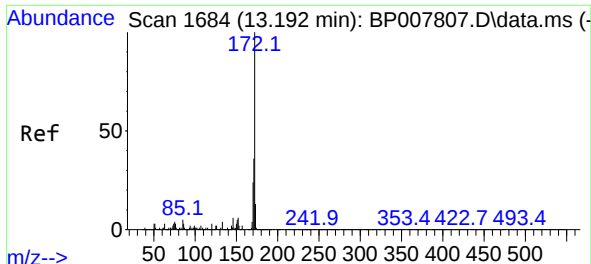
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#42
2,4,6-Tribromophenol
Concen: 91.925 ng
RT: 15.992 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:330 Resp: 470178
Ion Ratio Lower Upper
330 100
332 98.3 78.9 118.3
141 33.8 30.7 46.1





#45
2-Fluorobiphenyl
Concen: 54.544 ng
RT: 13.122 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

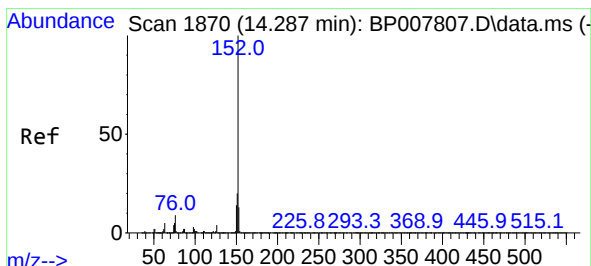
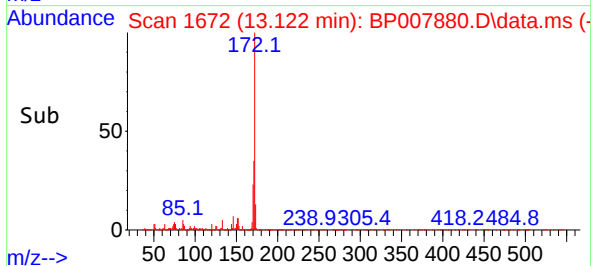
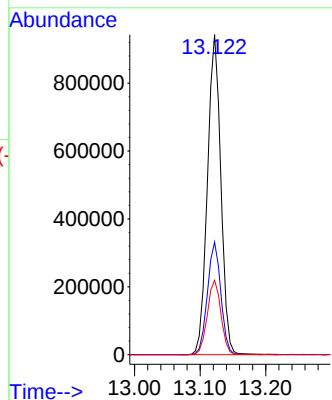
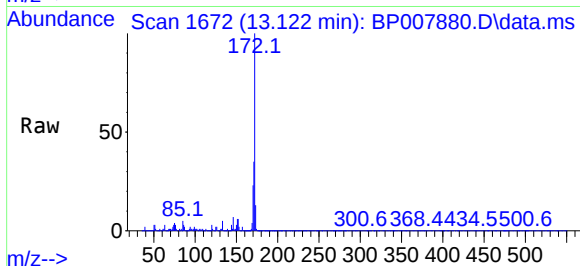
CL-02-110521

Tgt Ion:172 Resp: 1342339
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.3 19.0 28.4

Manual Integrations

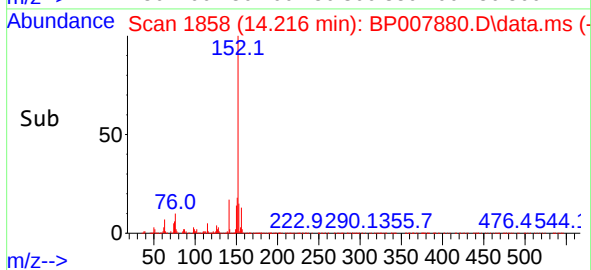
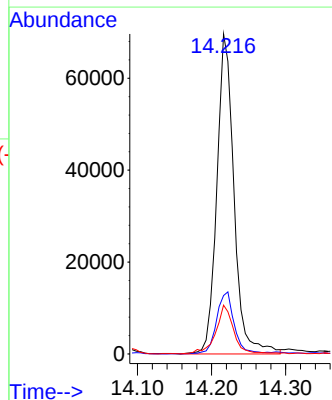
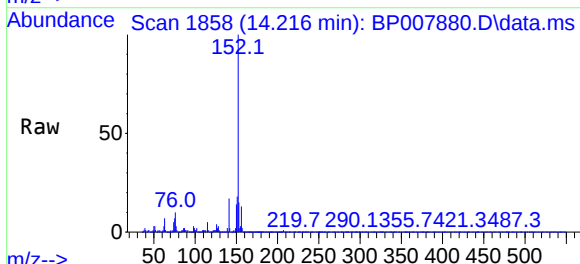
APPROVED

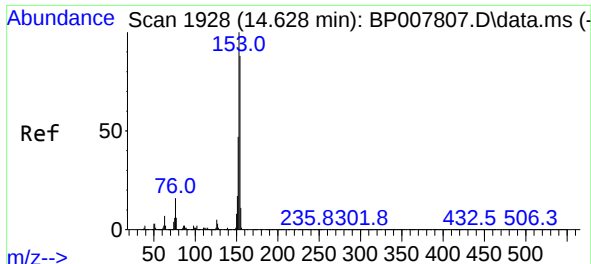
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#49
Acenaphthylene
Concen: 3.552 ng
RT: 14.216 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:152 Resp: 112184
Ion Ratio Lower Upper
152 100
151 18.3 15.8 23.6
153 15.2 10.2 15.2





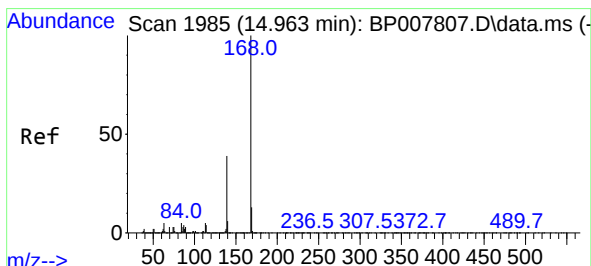
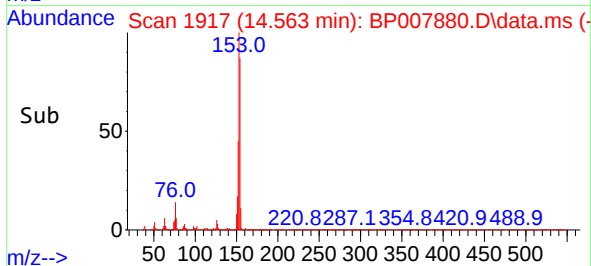
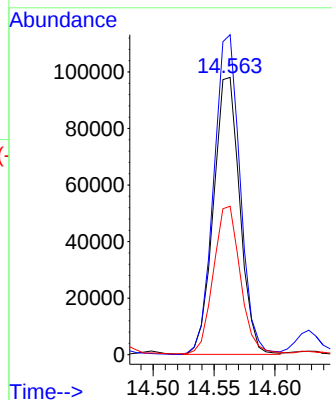
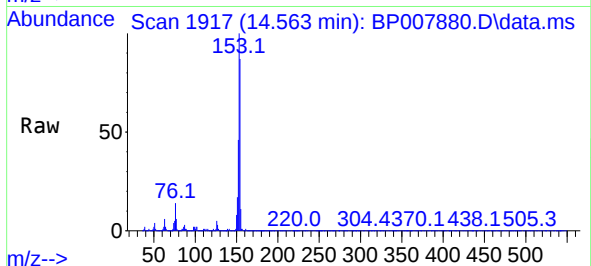
#52
Acenaphthene
Concen: 7.708 ng
RT: 14.563 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :
BNA_P
ClientSampleId :
CL-02-110521

Tgt Ion:154 Resp: 147000
Ion Ratio Lower Upper
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153 115.4 90.4 135.6
152 53.6 42.3 63.5

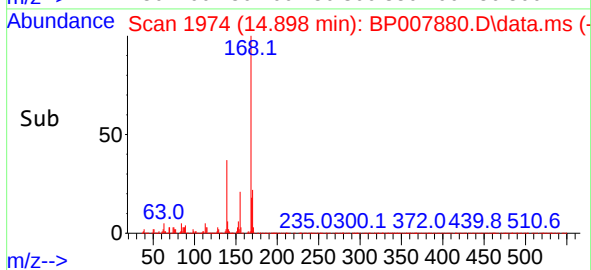
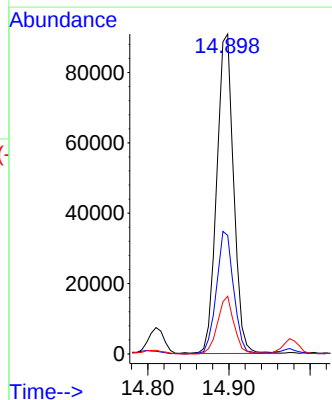
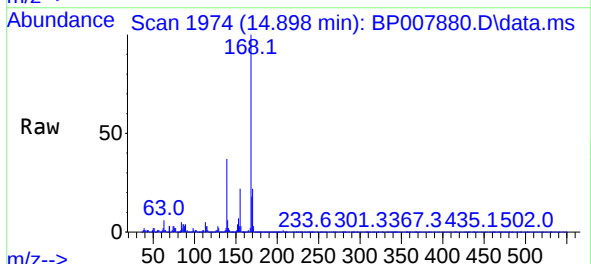
Manual Integrations
APPROVED

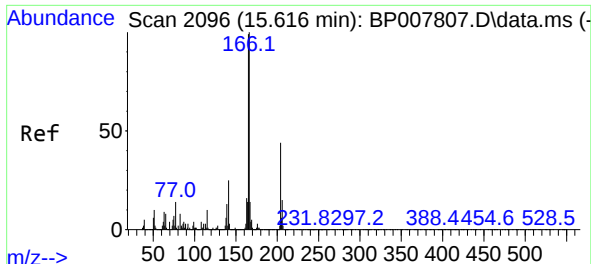
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#55
Dibenzofuran
Concen: 4.072 ng
RT: 14.898 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:168 Resp: 131373
Ion Ratio Lower Upper
168 100
139 37.0 30.8 46.2
169 18.1 11.0 16.6#





#58
Fluorene
Concen: 6.909 ng
RT: 15.545 min Scan# 2096
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

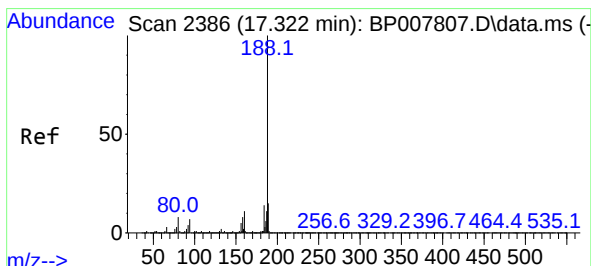
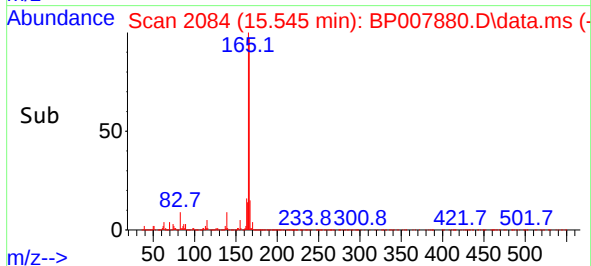
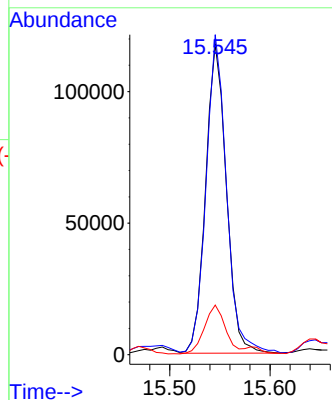
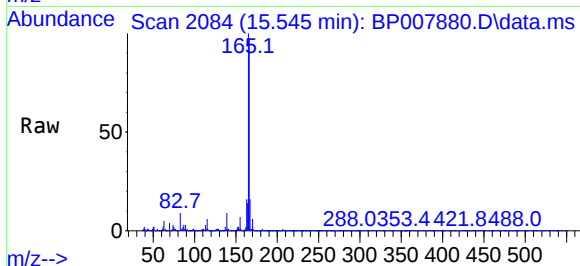
CL-02-110521

Tgt Ion:166 Resp: 16908
Ion Ratio Lower Upper
166 100
165 103.1 78.9 118.3
167 16.0 10.9 16.3

Manual Integrations

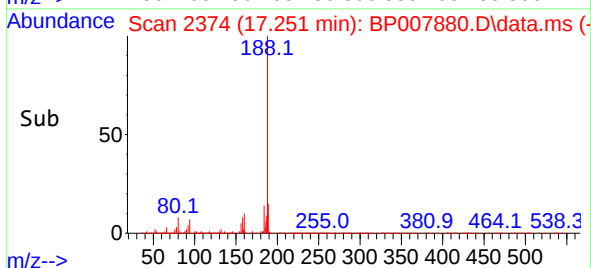
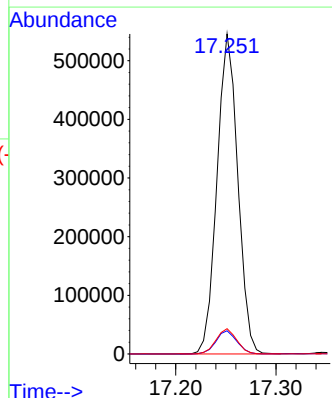
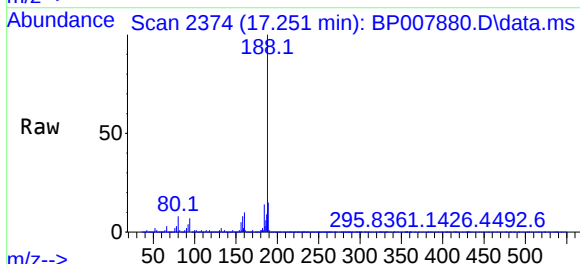
APPROVED

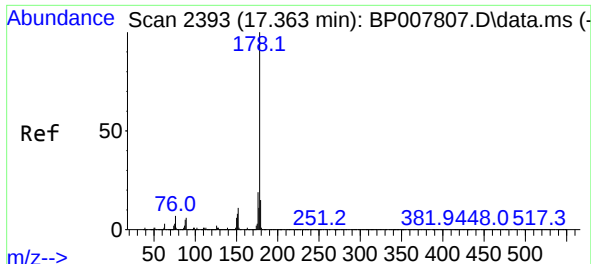
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2374
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:188 Resp: 785188
Ion Ratio Lower Upper
188 100
94 7.2 7.1 10.7
80 7.9 7.8 11.6





#71
Phenanthrene
Concen: 86.508 ng
RT: 17.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

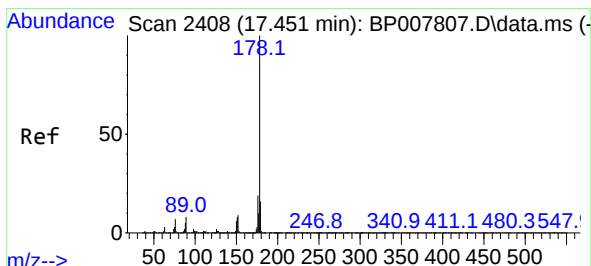
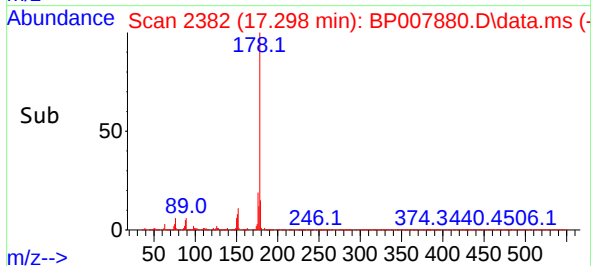
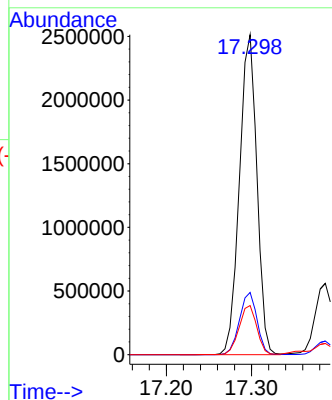
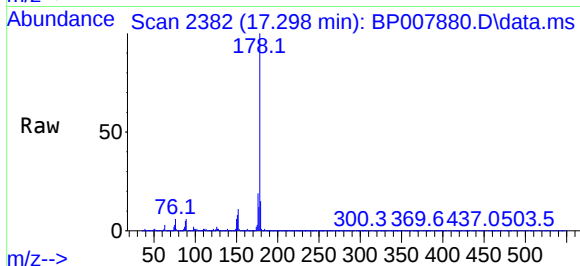
CL-02-110521

Tgt Ion:178 Resp: 357077
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.4 12.3 18.5

Manual Integrations

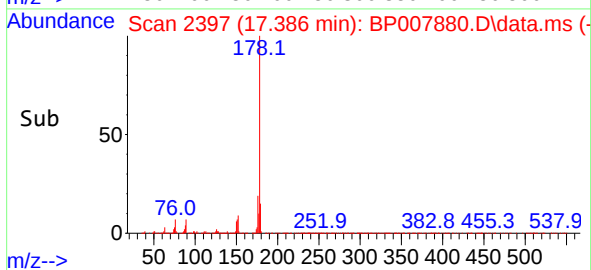
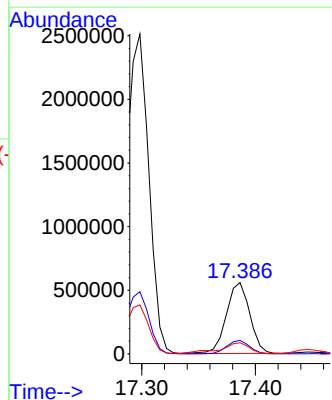
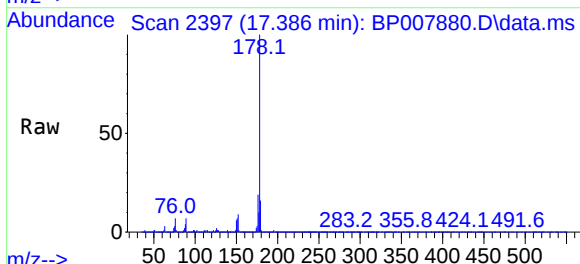
APPROVED

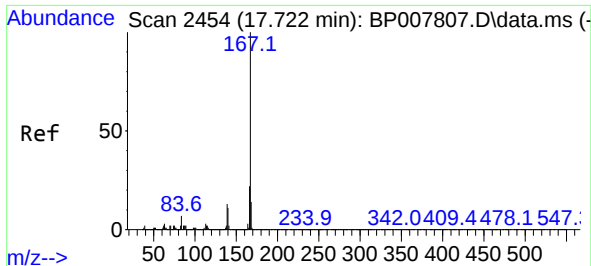
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#72
Anthracene
Concen: 19.571 ng
RT: 17.386 min Scan# 2397
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:178 Resp: 794986
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.6 12.2 18.4





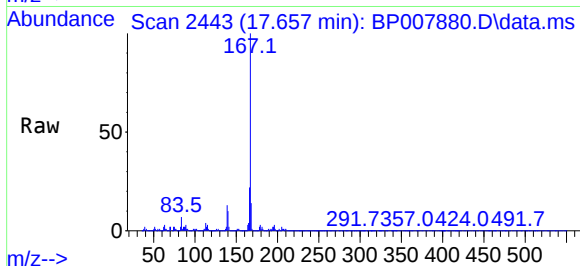
#73
 Carbazole
 Concen: 6.980 ng
 RT: 17.657 min Scan# 2454
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

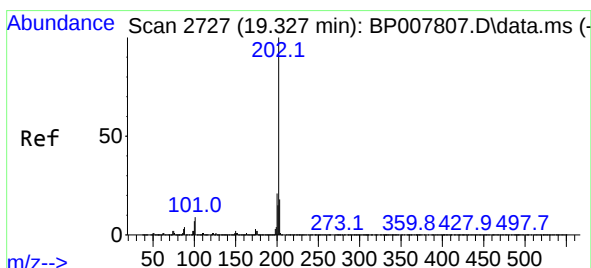
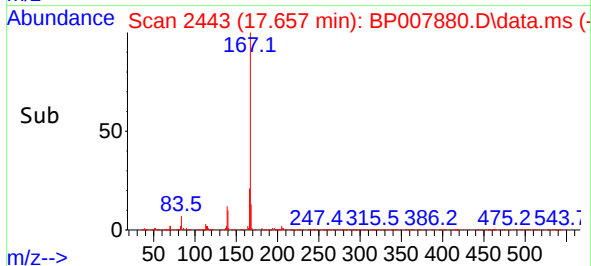
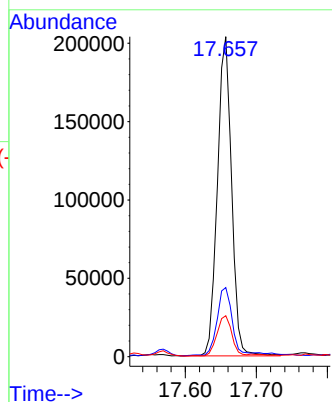


Tgt Ion:167 Resp: 281845
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 12.8 10.4 15.6

Manual Integrations

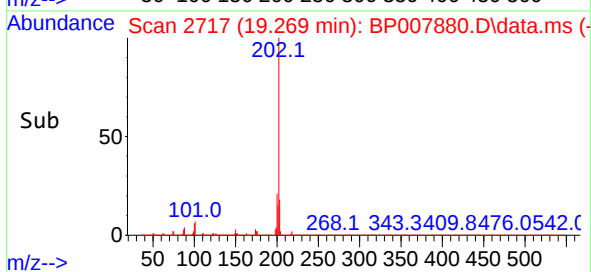
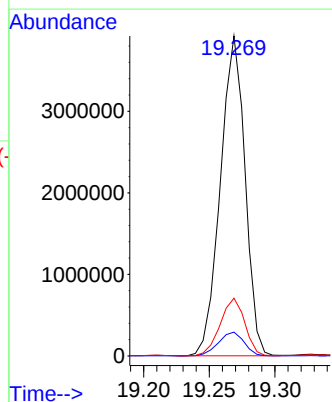
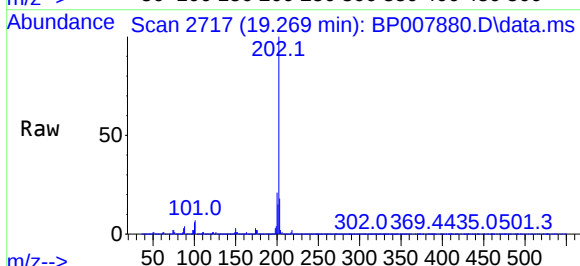
APPROVED

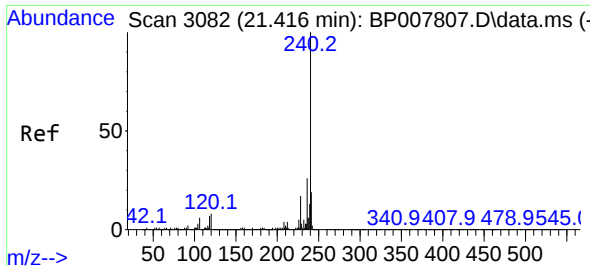
Reviewed By :Jagrut Upadhyay 11/09/2021
 Supervised By :mohammad ahmed 11/09/2021



#75
 Fluoranthene
 Concen: 98.504 ng
 RT: 19.269 min Scan# 2717
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

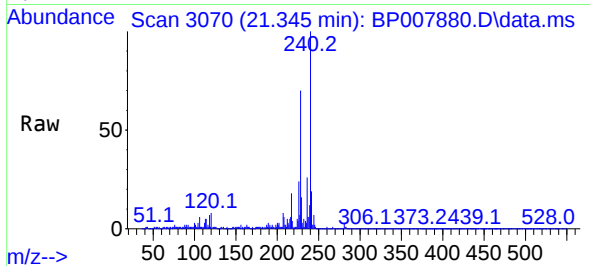
Tgt Ion:202 Resp: 5129089
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 30.4
 203 18.0 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

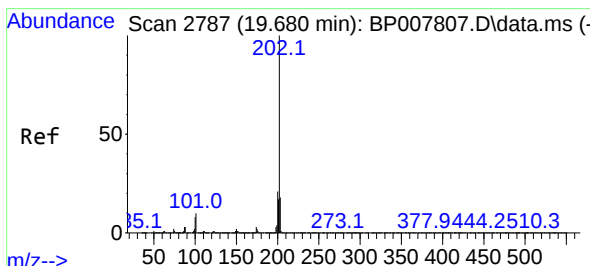
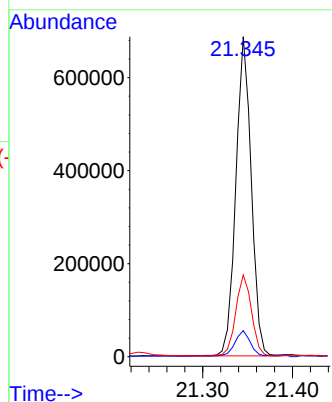
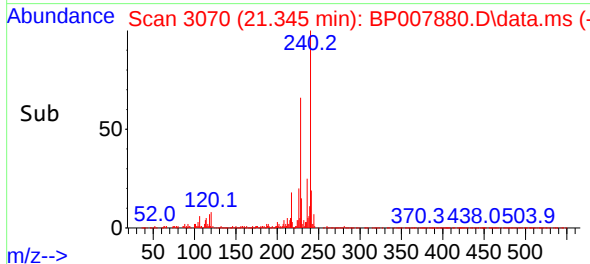
Instrument :
BNA_P
ClientSampleId :
CL-02-110521



Tgt Ion:240 Resp: 81794
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.8
236 25.5 20.6 30.8

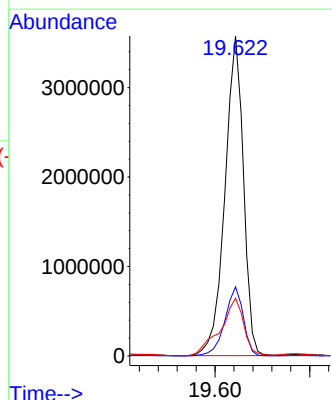
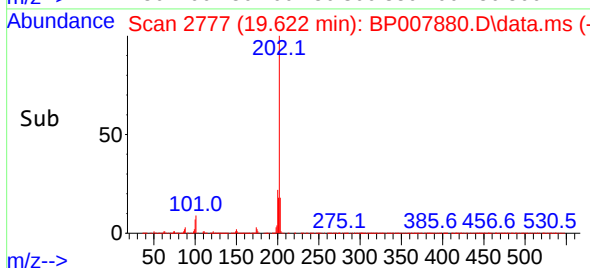
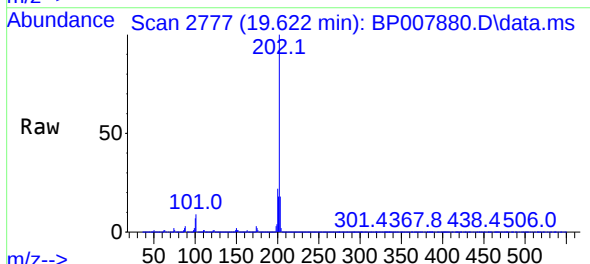
Manual Integrations
APPROVED

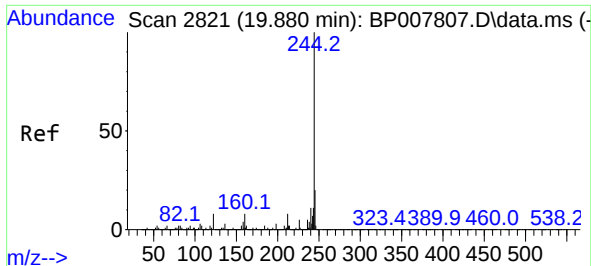
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#78
Pyrene
Concen: 96.601 ng
RT: 19.622 min Scan# 2777
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:202 Resp: 4846264
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 18.1 13.8 20.6





#79
Terphenyl-d14
Concen: 51.866 ng
RT: 19.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

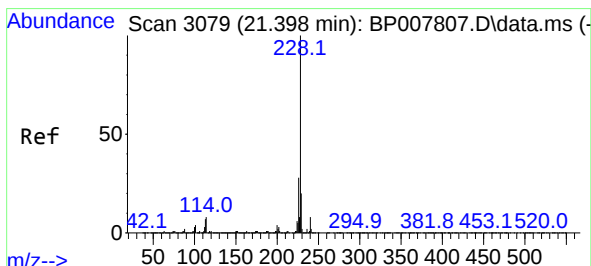
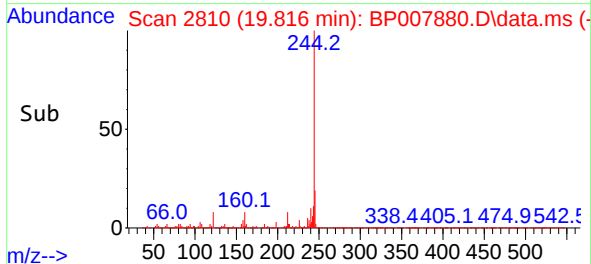
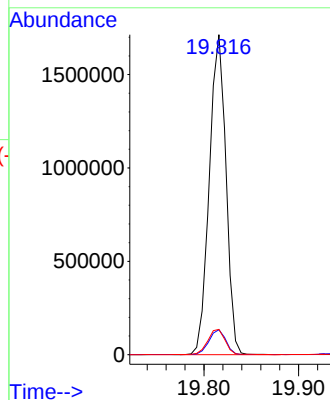
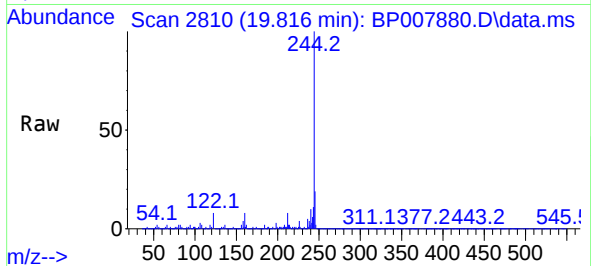
CL-02-110521

Tgt Ion:244 Resp: 208338
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 7.9 7.8 11.8

Manual Integrations

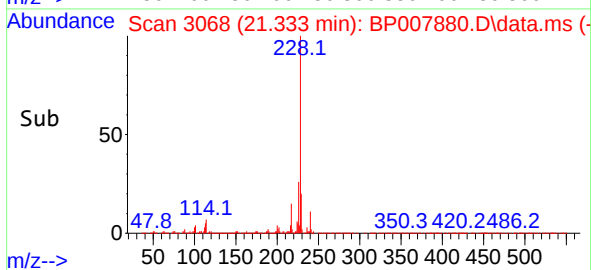
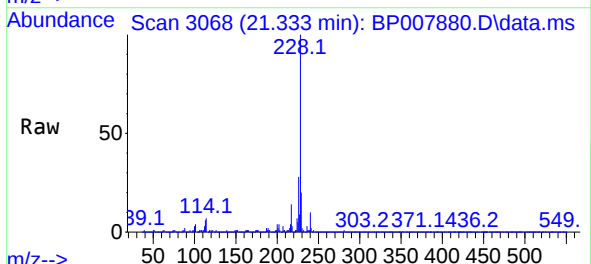
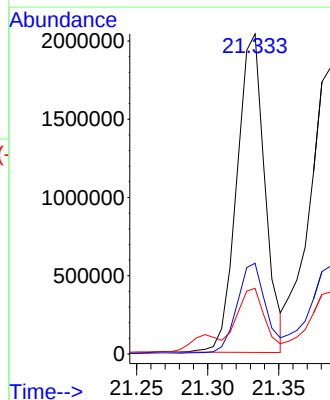
APPROVED

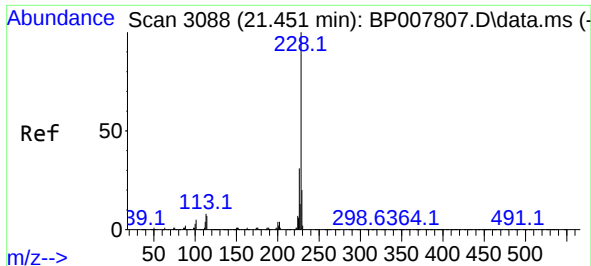
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#81
Benzo(a)anthracene
Concen: 51.808 ng
RT: 21.333 min Scan# 3068
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

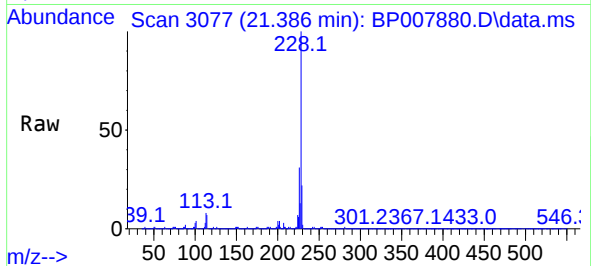
Tgt Ion:228 Resp: 2791766
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.6
229 20.5 15.7 23.5





#83
Chrysene
Concen: 54.018 ng
RT: 21.386 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

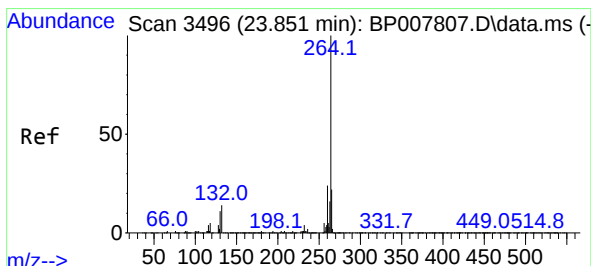
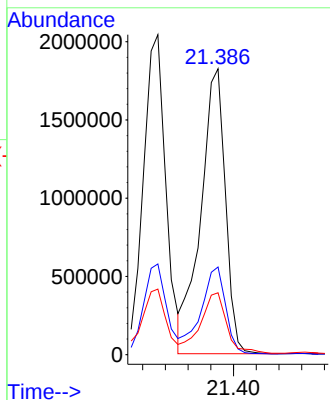
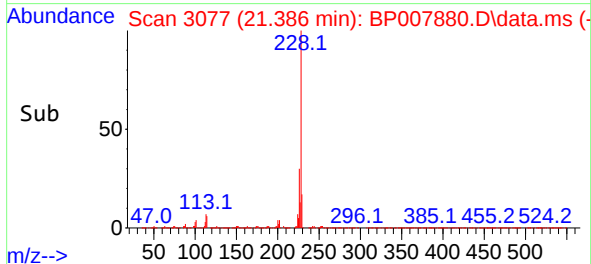
Instrument :
BNA_P
ClientSampleId :
CL-02-110521



Tgt Ion:228 Resp: 2755620
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 21.7 15.7 23.5

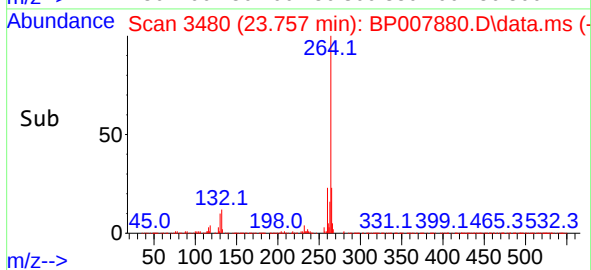
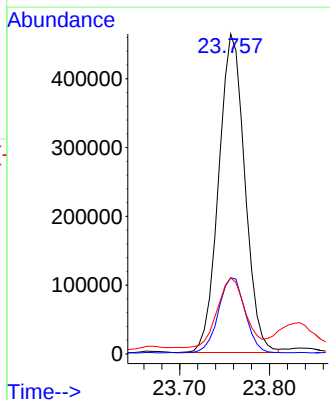
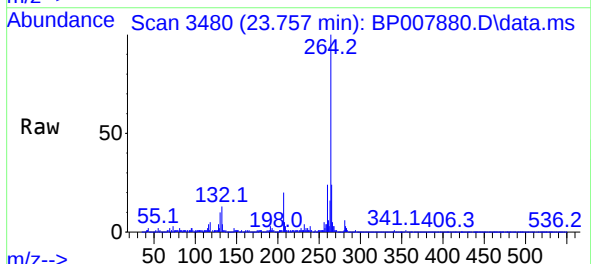
Manual Integrations
APPROVED

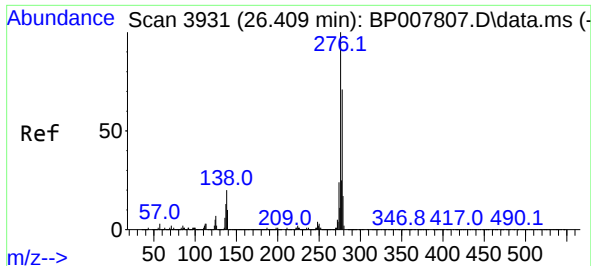
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.757 min Scan# 3480
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:264 Resp: 937416
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 23.8 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 26.383 ng
RT: 26.280 min Scan# 3909
Delta R.T. -0.023 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

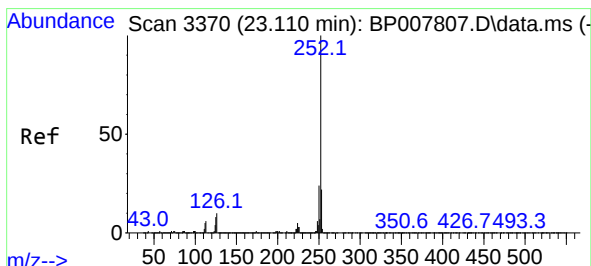
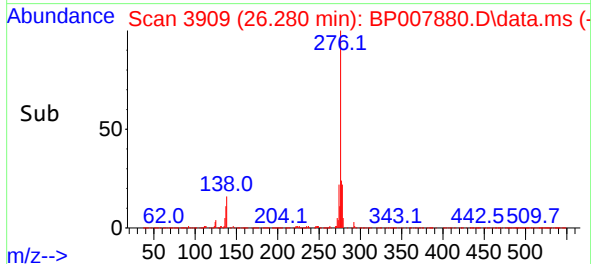
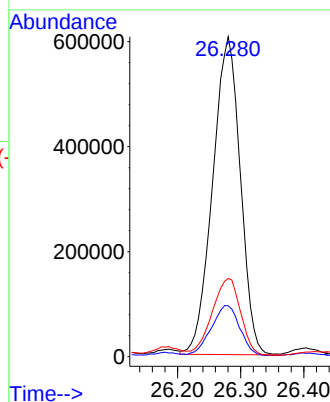
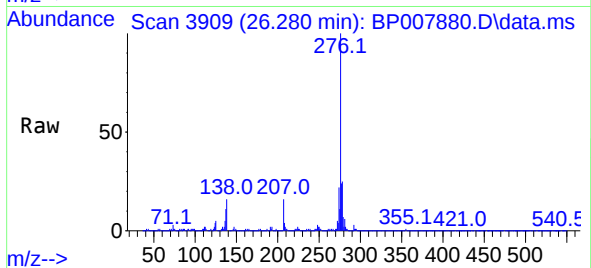
CL-02-110521

Tgt Ion:276 Resp: 1843494
Ion Ratio Lower Upper
276 100
138 16.3 19.4 29.0
277 25.0 20.2 30.2

Manual Integrations

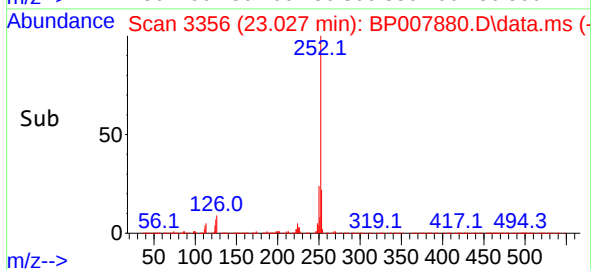
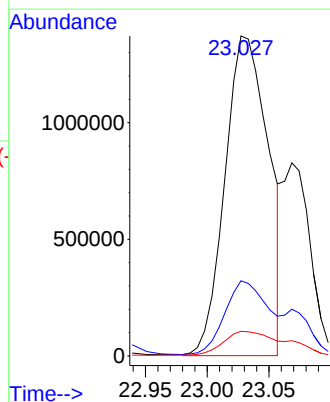
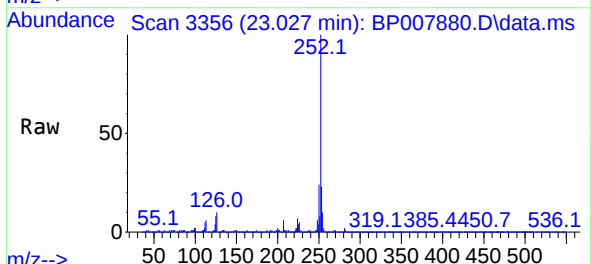
APPROVED

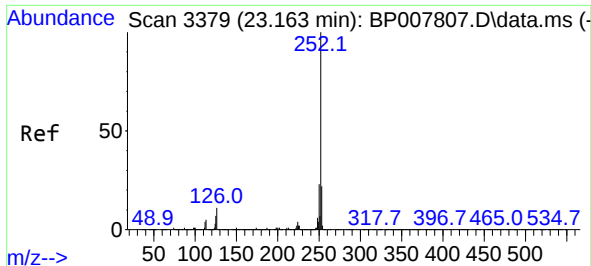
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#88
Benzo(b)fluoranthene
Concen: 60.755 ng m
RT: 23.027 min Scan# 3356
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

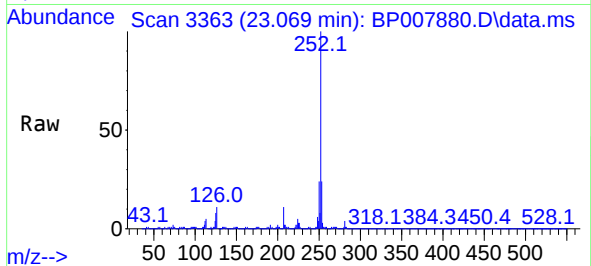
Tgt Ion:252 Resp: 3357231
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 7.7 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 23.024 ng m
RT: 23.069 min Scan# 31
Delta R.T. -0.017 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

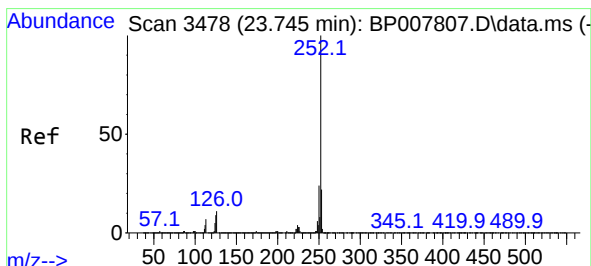
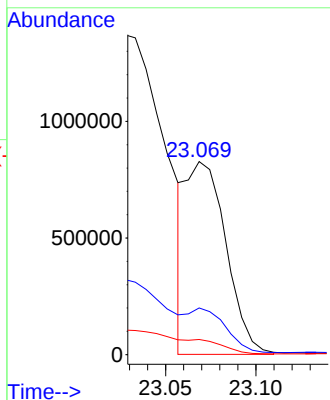
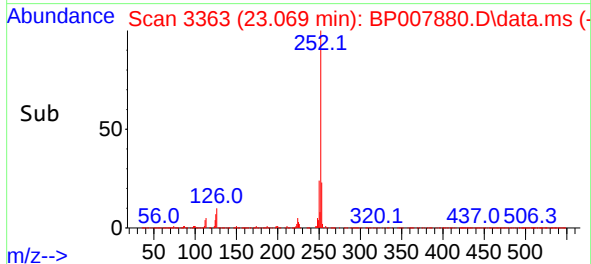
Instrument :
BNA_P
ClientSampleId :
CL-02-110521



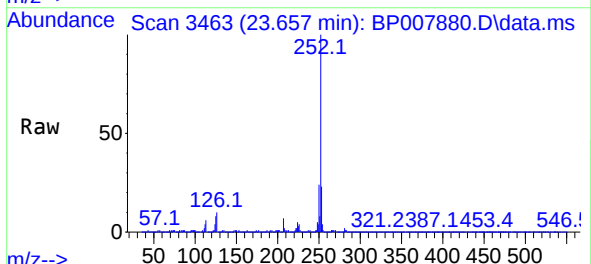
Tgt Ion:252 Resp: 1262704
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 7.9 7.4 11.0

Manual Integrations
APPROVED

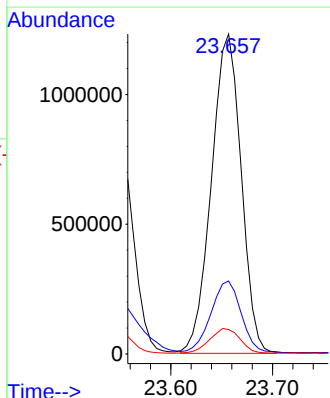
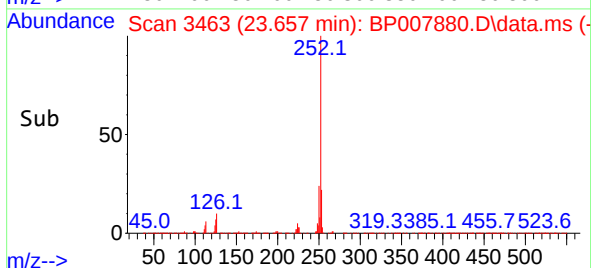
Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021

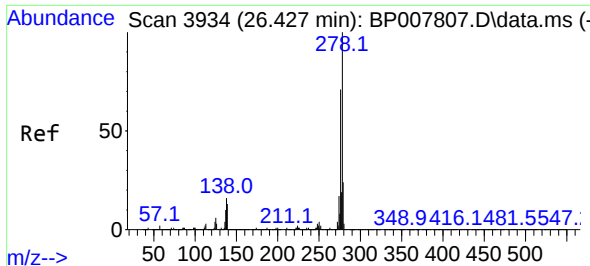


#90
Benzo(a)pyrene
Concen: 52.263 ng m
RT: 23.657 min Scan# 3463
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02



Tgt Ion:252 Resp: 2500613
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 7.6 8.4 12.6#





#91
Dibenzo(a,h)anthracene
Concen: 9.252 ng m
RT: 26.286 min Scan# 3910
Delta R.T. -0.035 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

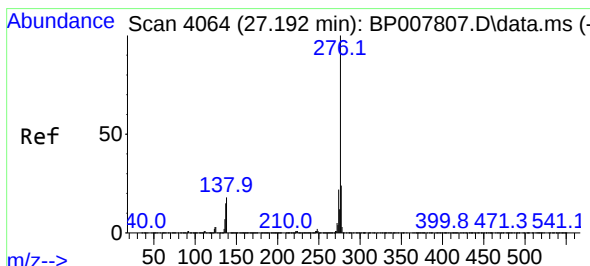
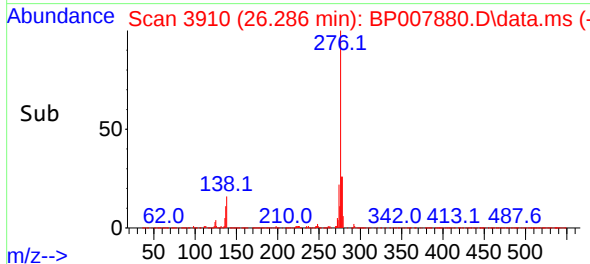
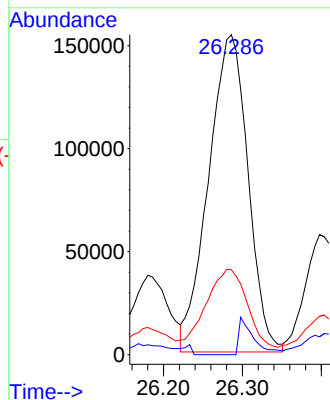
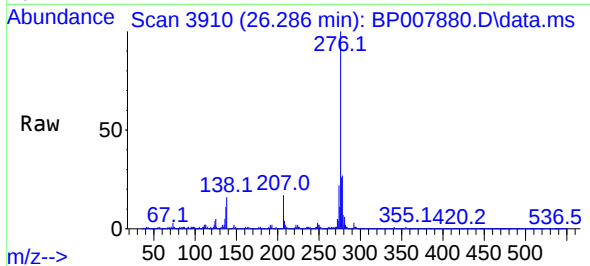
CL-02-110521

Tgt Ion:278 Resp: 535852
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6
279 26.5 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/09/2021
Supervised By :mohammad ahmed 11/09/2021



#92
Benzo(g,h,i)perylene
Concen: 30.641 ng
RT: 27.051 min Scan# 4040
Delta R.T. -0.029 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:276 Resp: 1760436
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 16.6 16.2 24.4

