

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110421\
 Data File : BP007858.D
 Acq On : 04 Nov 2021 20:51
 Operator : CG/JU
 Sample : M4498-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2-MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 07 11:19:06 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	7.911	152	182670	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	711151	20.000	ng	-0.02
39) Acenaphthene-d10	14.545	164	453065	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	946203	20.000	ng	-0.02
76) Chrysene-d12	21.398	240	972563	20.000	ng	-0.02
86) Perylene-d12	23.833	264	1080417	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1479853	137.392	ng	0.00
7) Phenol-d6	7.087	99	1805119	115.787	ng	0.00
23) Nitrobenzene-d5	9.069	82	1068177	80.685	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	757722	117.188	ng	-0.01
45) 2-Fluorobiphenyl	13.175	172	2425407	77.959	ng	-0.02
79) Terphenyl-d14	19.869	244	3572844	74.806	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.345	178	187753	3.775	ng	98
75) Fluoranthene	19.316	202	961259	15.319	ng	99
78) Pyrene	19.669	202	896965	15.037	ng	99
81) Benzo(a)anthracene	21.380	228	595750	9.298	ng	97
83) Chrysene	21.433	228	513834	8.471	ng	97
87) Indeno(1,2,3-cd)pyrene	26.363	276	463211	5.752	ng	# 94
88) Benzo(b)fluoranthene	23.092	252	785465	12.333	ng	99
89) Benzo(k)fluoranthene	23.133	252	270621m	4.281	ng	
90) Benzo(a)pyrene	23.721	252	609369	11.050	ng	99
92) Benzo(g,h,i)perylene	27.145	276	483787	7.306	ng	99

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

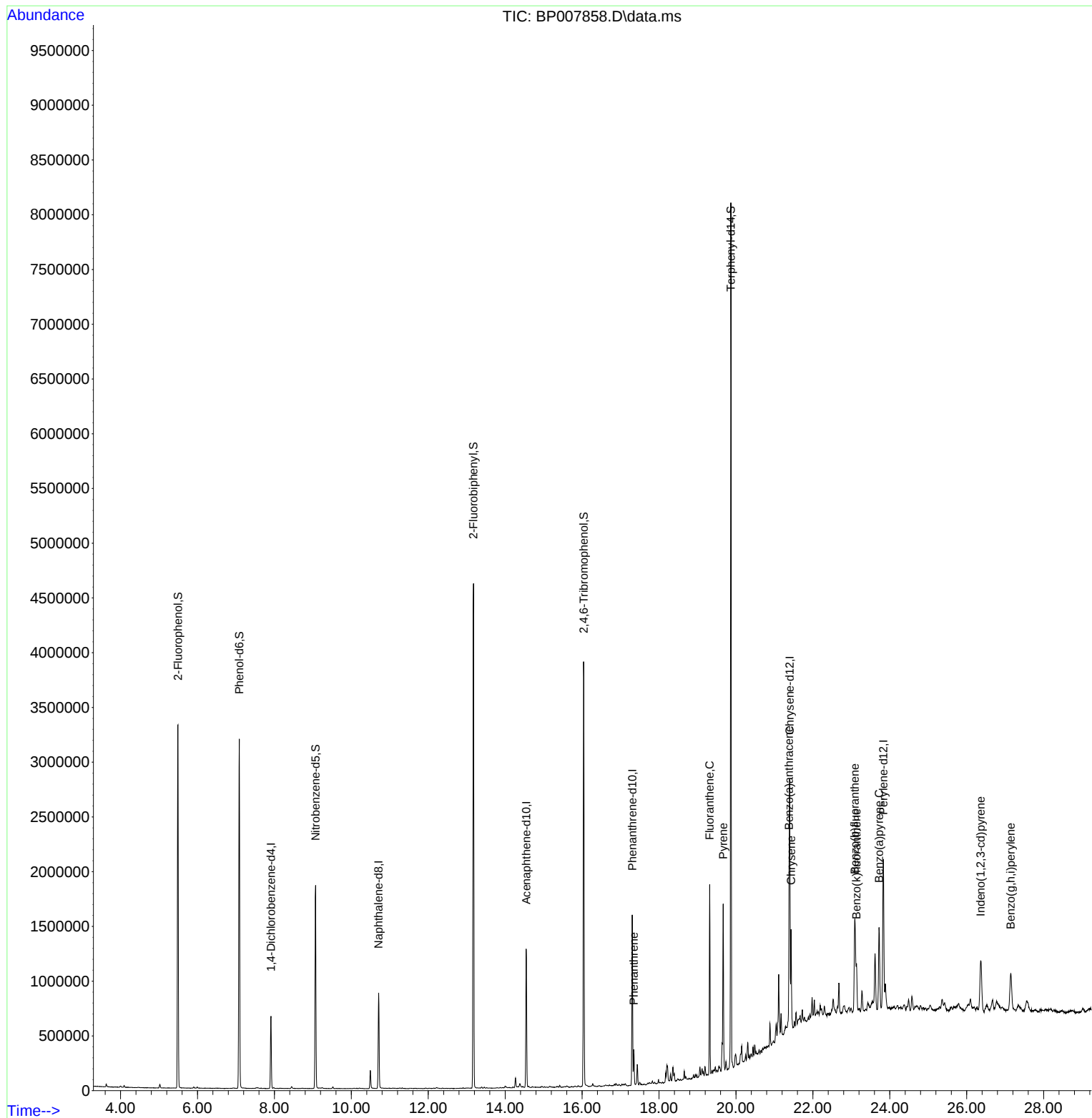
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110421\
Data File : BP007858.D
Acq On : 04 Nov 2021 20:51
Operator : CG/JU
Sample : M4498-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

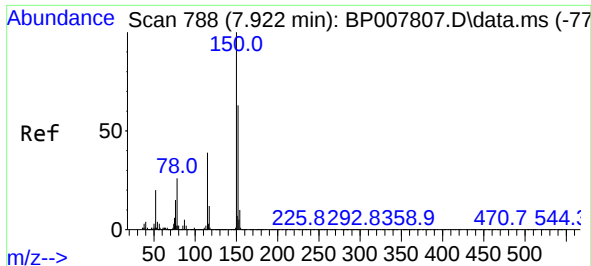
Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Quant Time: Nov 07 11:19:06 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

Manual Integrations
APPROVED

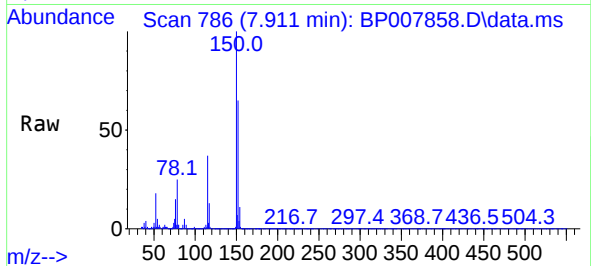
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 788
Delta R.T. -0.011 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

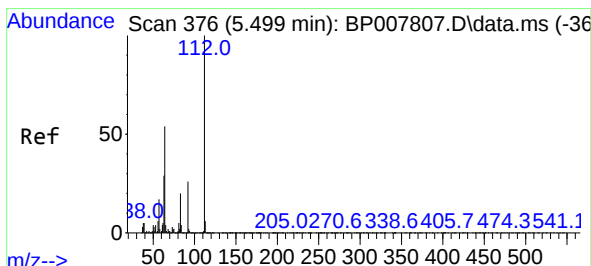
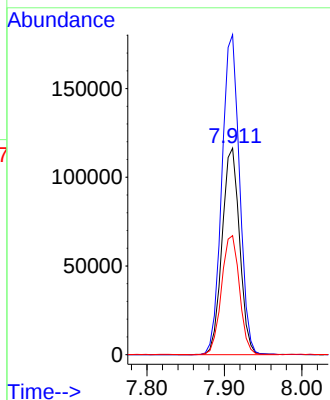
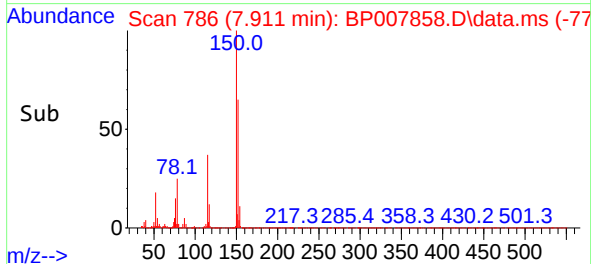
Instrument :
BNA_P
ClientSampleId :
WC-2-MS



Tgt Ion:152 Resp: 182670
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 57.6 48.1 72.1

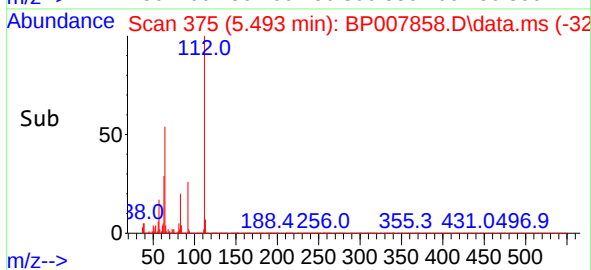
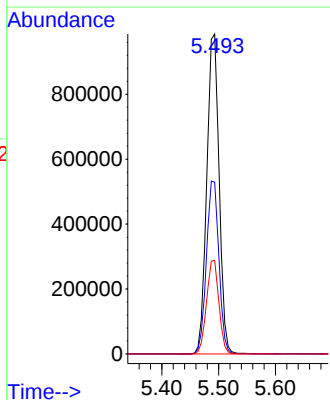
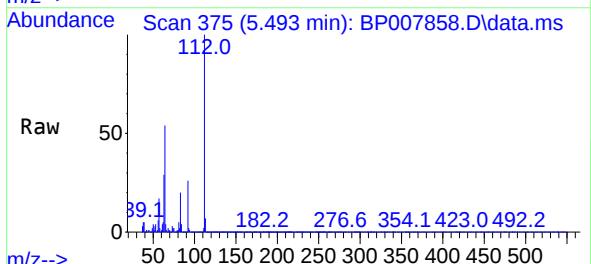
Manual Integrations
APPROVED

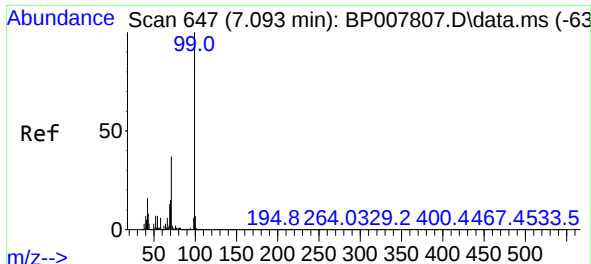
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#5
2-Fluorophenol
Concen: 137.392 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:112 Resp: 1479853
Ion Ratio Lower Upper
112 100
64 53.7 46.6 70.0
63 29.3 25.0 37.6





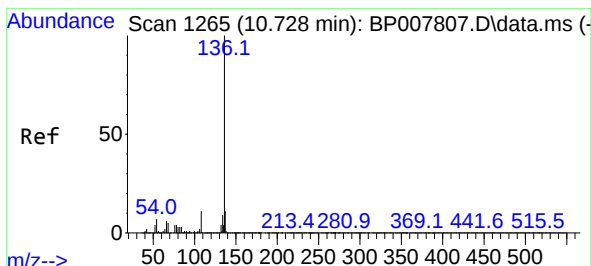
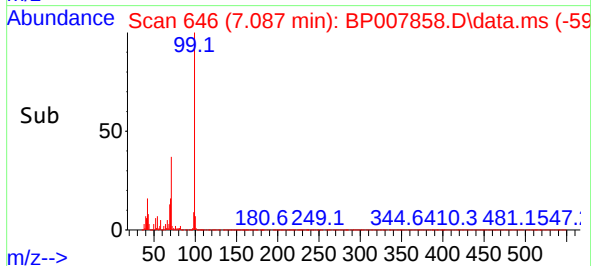
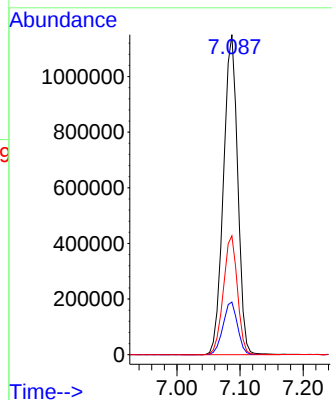
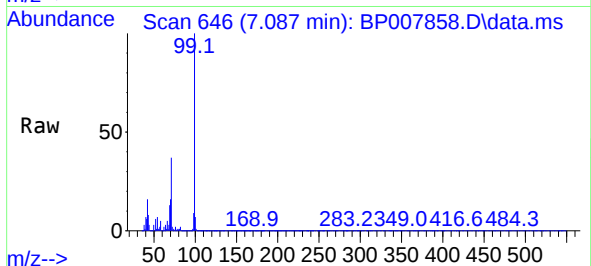
#7
Phenol-d6
Concen: 115.787 ng
RT: 7.087 min Scan# 647
Delta R.T. -0.006 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion: 99 Resp: 1805119
Ion Ratio Lower Upper
99 100
42 16.5 14.9 22.3
71 37.2 29.2 43.8

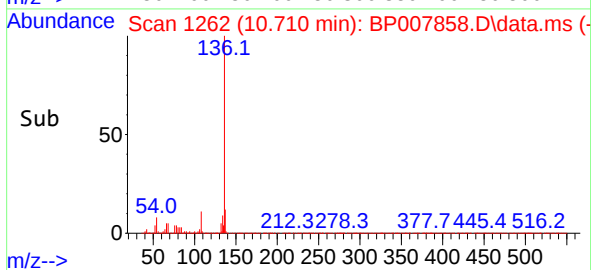
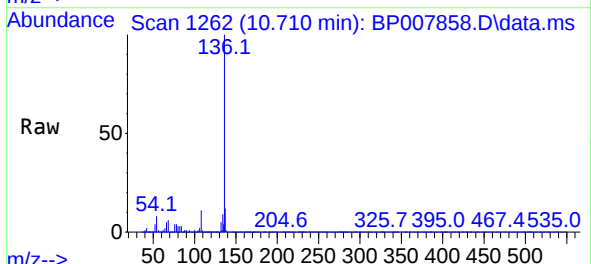
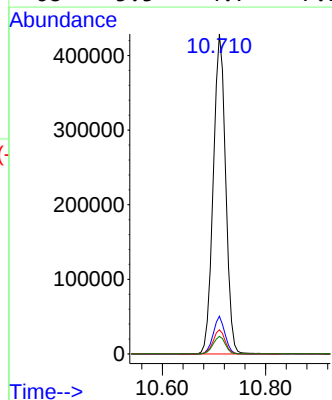
Manual Integrations
APPROVED

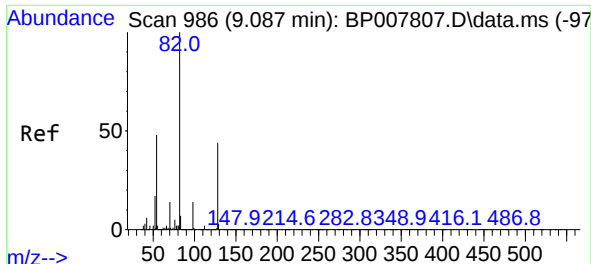
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1262
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:136 Resp: 711151
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 7.6 6.2 9.4
68 5.5 4.7 7.1





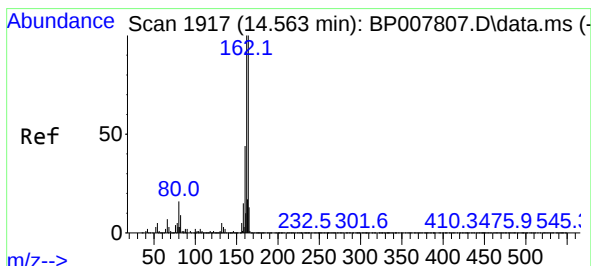
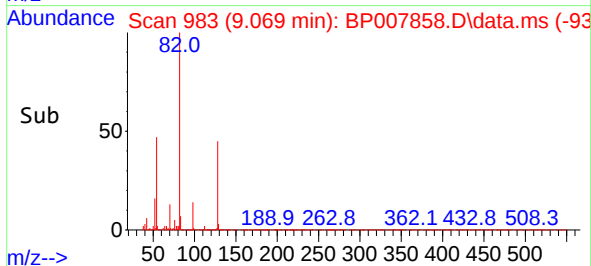
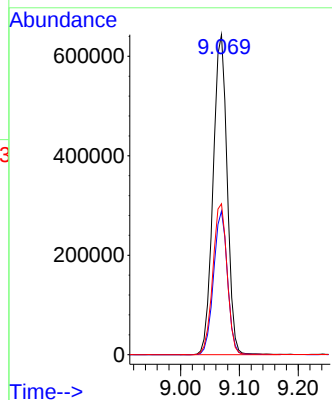
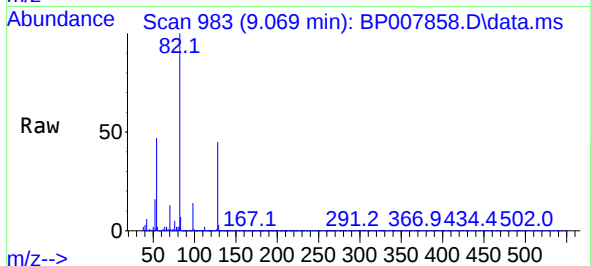
#23
Nitrobenzene-d5
Concen: 80.685 ng
RT: 9.069 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion: 82 Resp: 106817
Ion Ratio Lower Upper
82 100
128 44.8 32.6 48.8
54 47.2 40.4 60.6

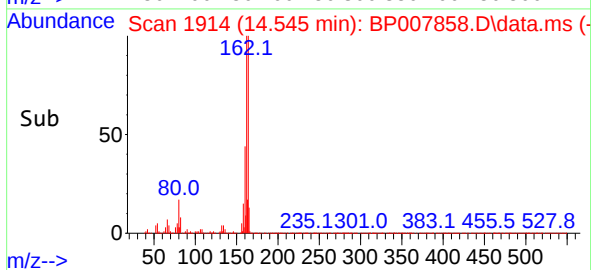
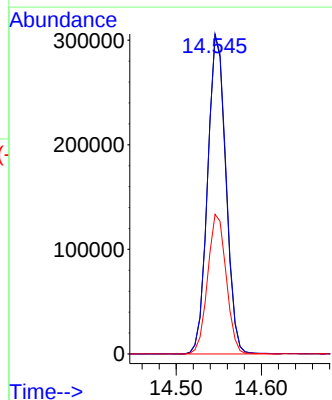
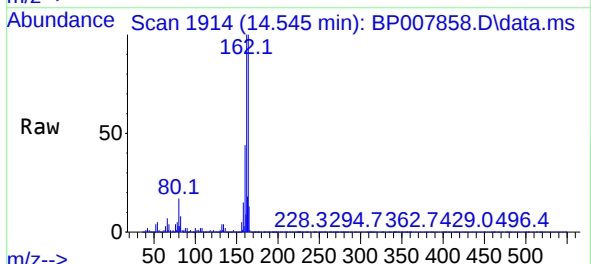
Manual Integrations
APPROVED

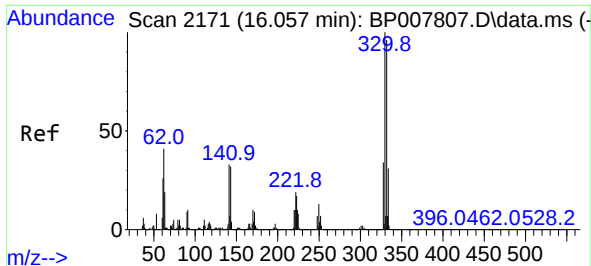
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

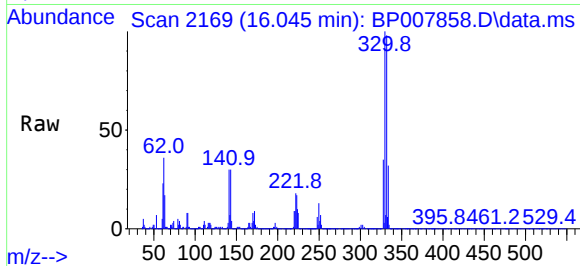
Tgt Ion:164 Resp: 453065
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 43.9 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 117.188 ng
RT: 16.045 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

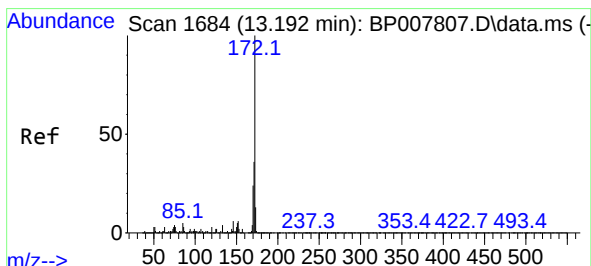
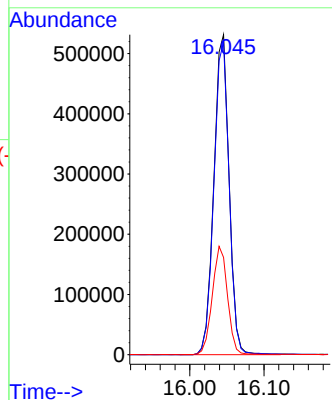
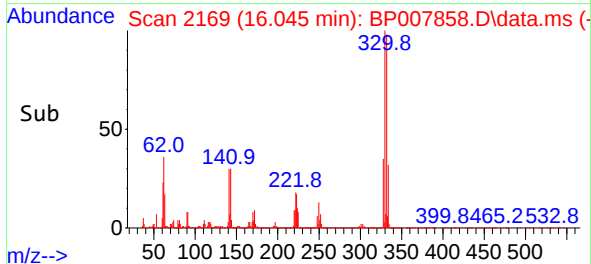
Instrument :
BNA_P
ClientSampleId :
WC-2-MS



Tgt Ion:330 Resp: 75772
Ion Ratio Lower Upper
330 100
332 97.6 78.9 118.3
141 33.8 30.7 46.1

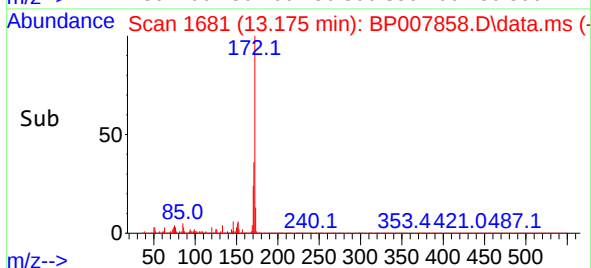
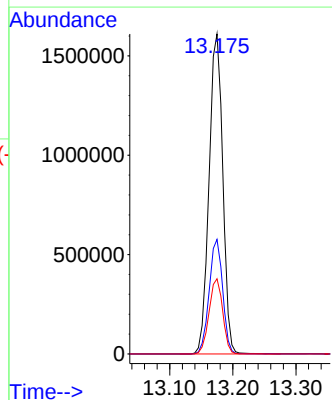
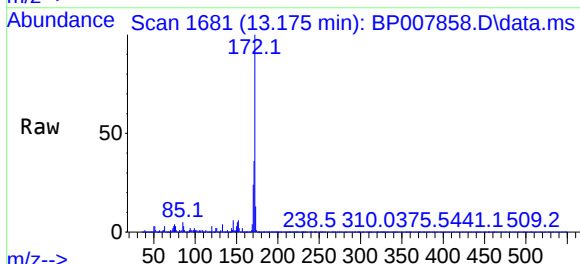
Manual Integrations
APPROVED

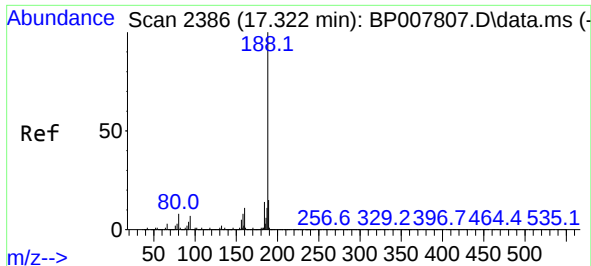
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 77.959 ng
RT: 13.175 min Scan# 1681
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:172 Resp: 2425407
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.5 19.0 28.4





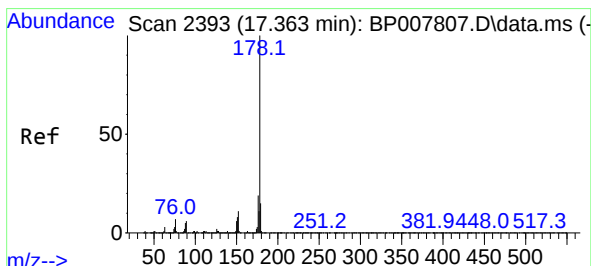
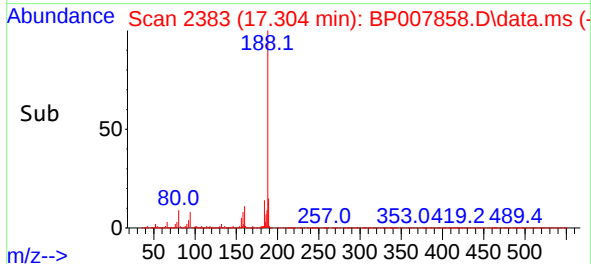
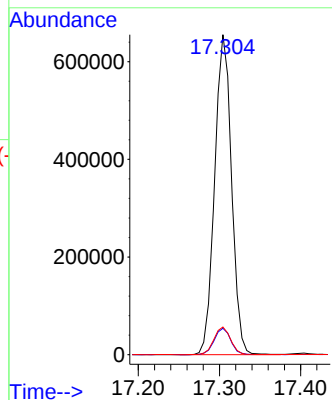
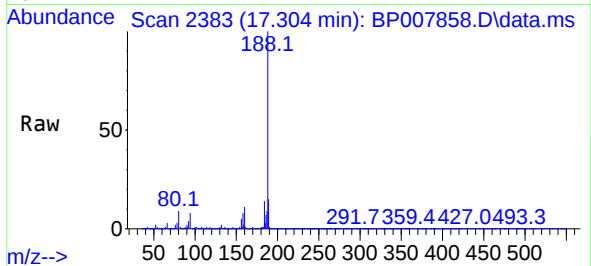
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion:188 Resp: 94620
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.6 7.8 11.6

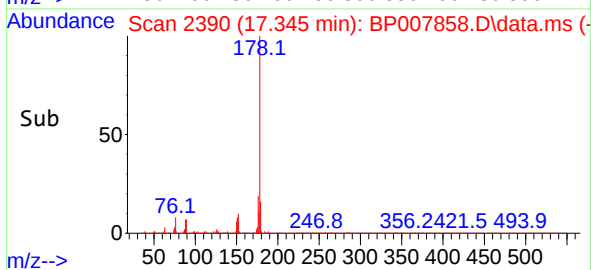
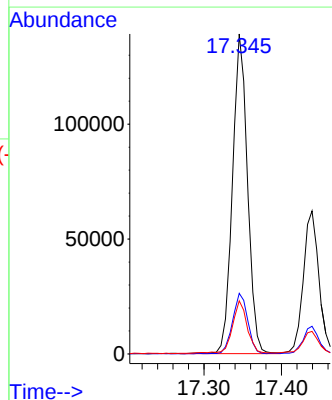
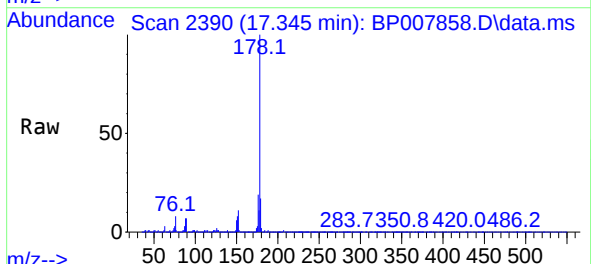
Manual Integrations
APPROVED

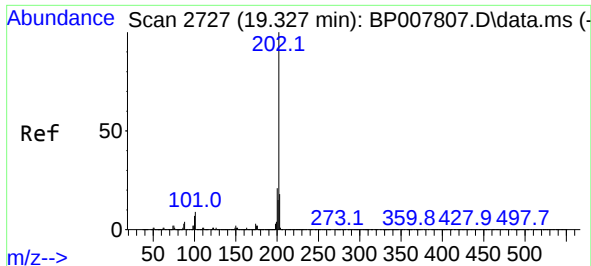
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#71
Phenanthrene
Concen: 3.775 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

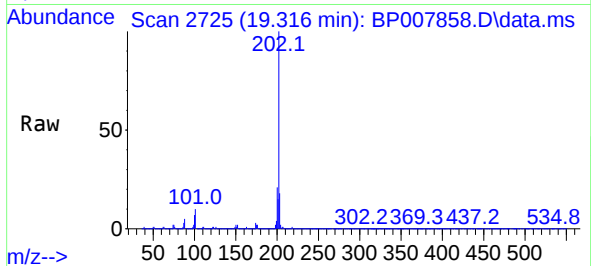
Tgt Ion:178 Resp: 187753
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 16.6 12.3 18.5





#75
Fluoranthene
Concen: 15.319 ng
RT: 19.316 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

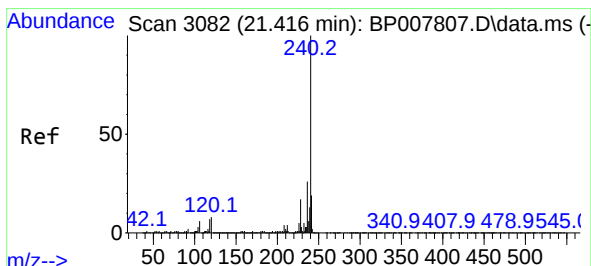
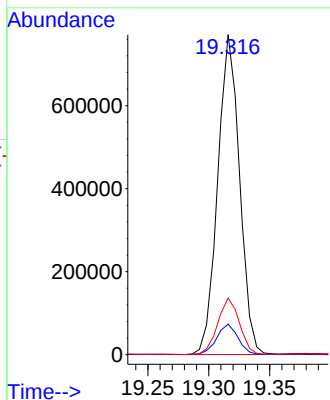
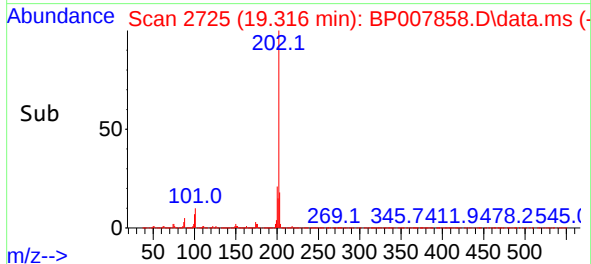
Instrument :
BNA_P
ClientSampleId :
WC-2-MS



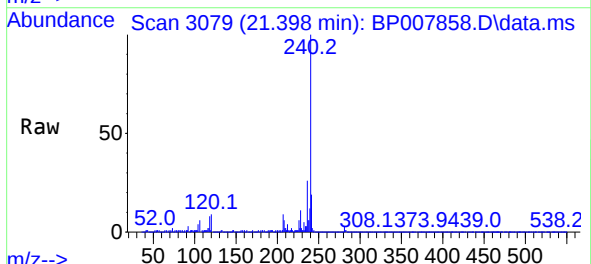
Tgt Ion:202 Resp: 961258
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.4
203 17.7 0.0 37.6

Manual Integrations
APPROVED

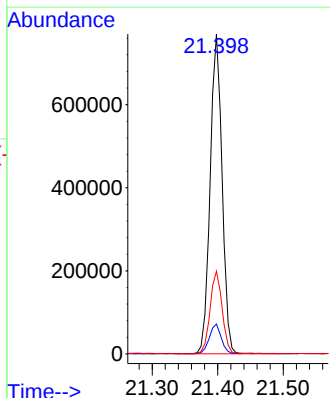
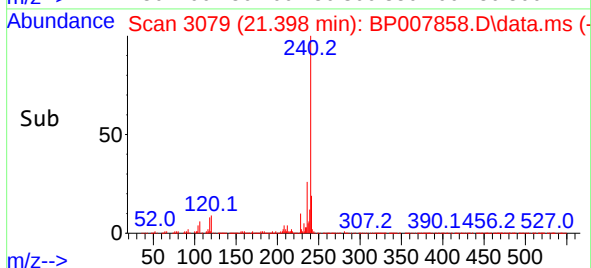
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

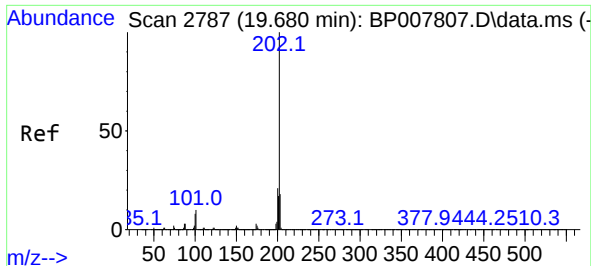


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3079
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51



Tgt Ion:240 Resp: 972563
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.8
236 25.8 20.6 30.8





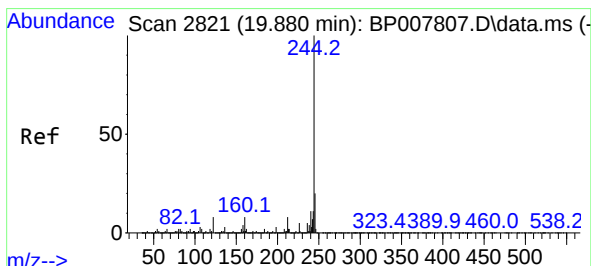
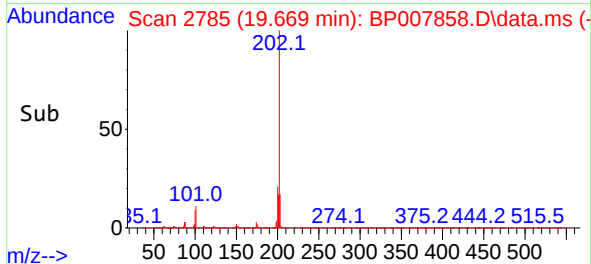
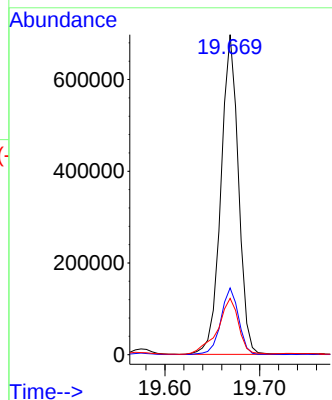
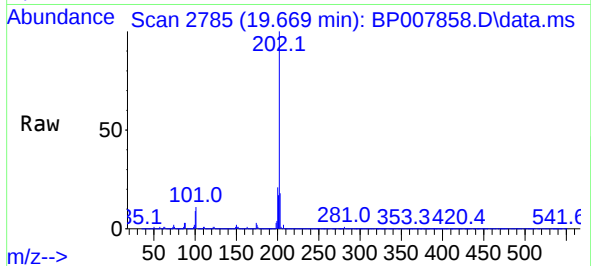
#78
Pyrene
Concen: 15.037 ng
RT: 19.669 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion:202 Resp: 89696
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.6 13.8 20.6

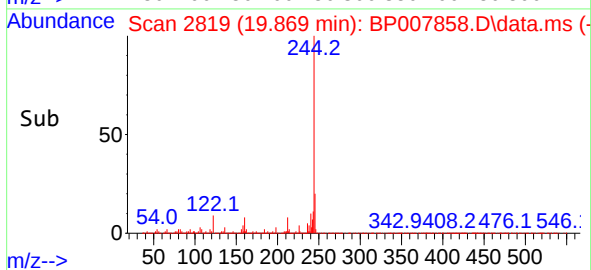
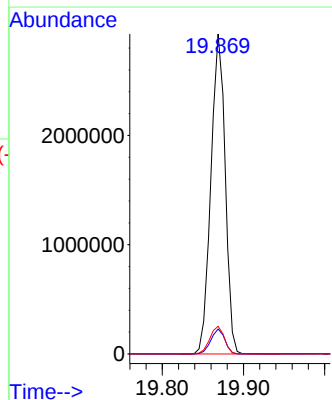
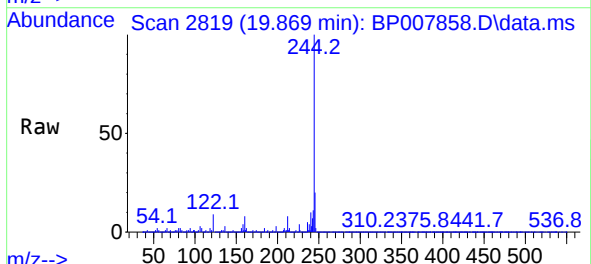
Manual Integrations
APPROVED

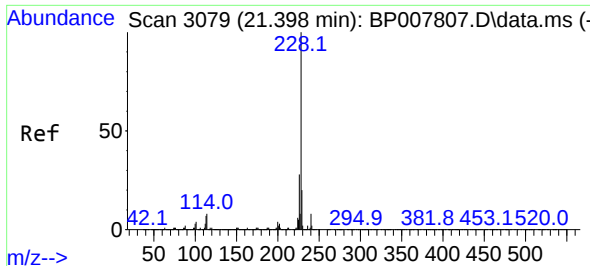
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#79
Terphenyl-d14
Concen: 74.806 ng
RT: 19.869 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:244 Resp: 3572844
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 8.7 7.8 11.8





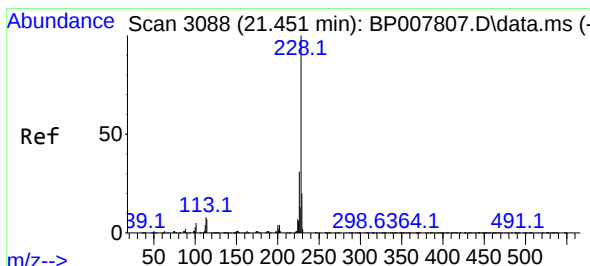
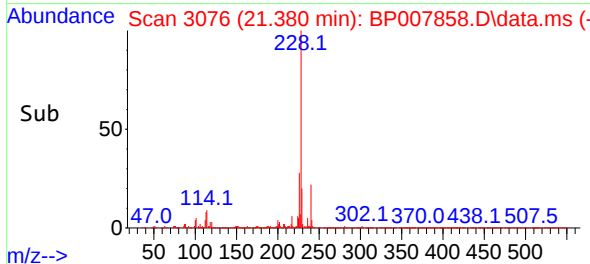
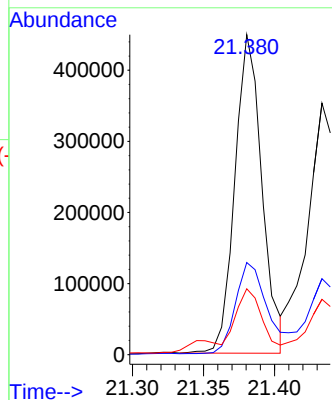
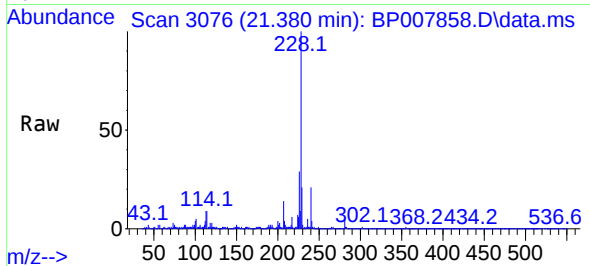
#81
Benzo(a)anthracene
Concen: 9.298 ng
RT: 21.380 min Scan# 3076
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion:228 Resp: 595750
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.6
229 20.6 15.7 23.5

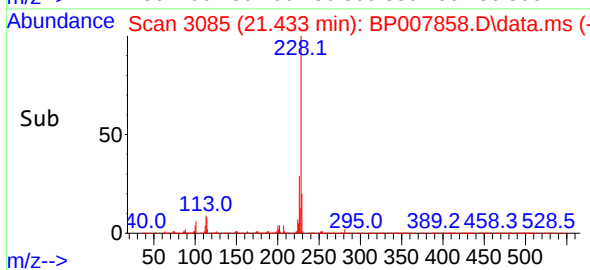
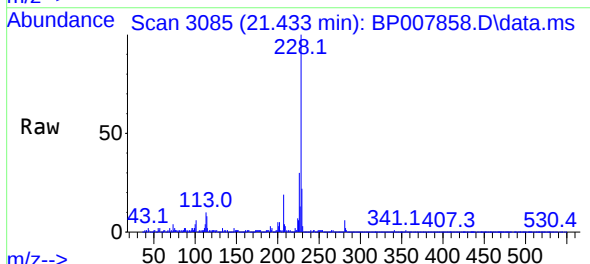
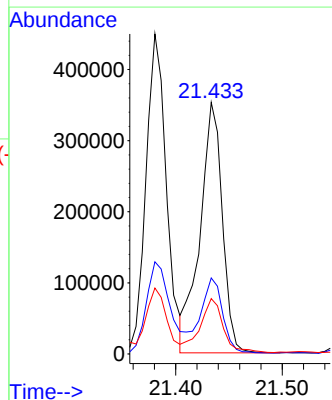
Manual Integrations
APPROVED

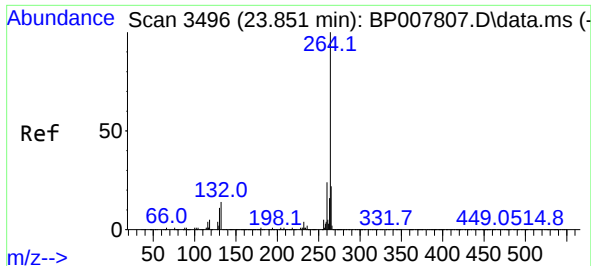
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 8.471 ng
RT: 21.433 min Scan# 3085
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

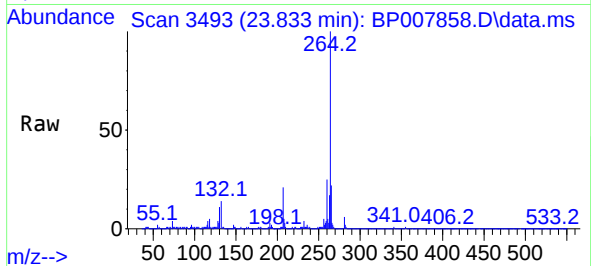
Tgt Ion:228 Resp: 513834
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.833 min Scan# 3496
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

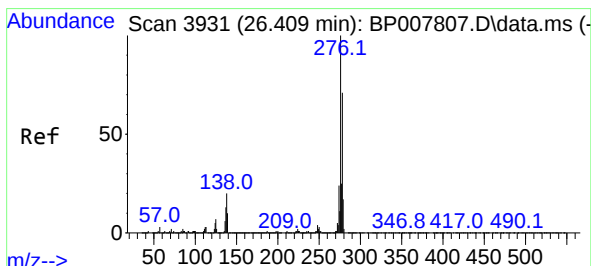
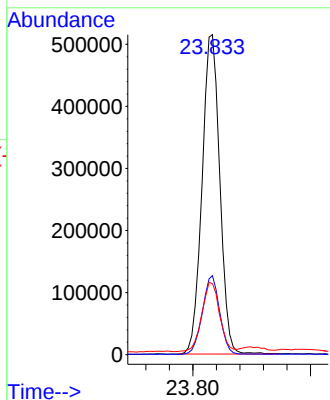
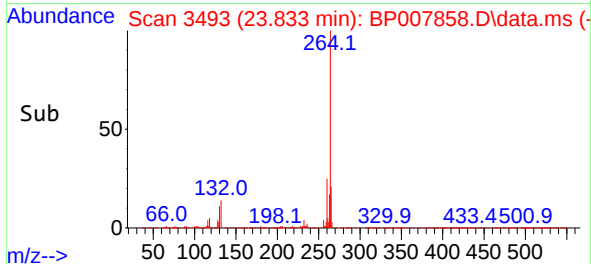
Instrument :
BNA_P
ClientSampleId :
WC-2-MS



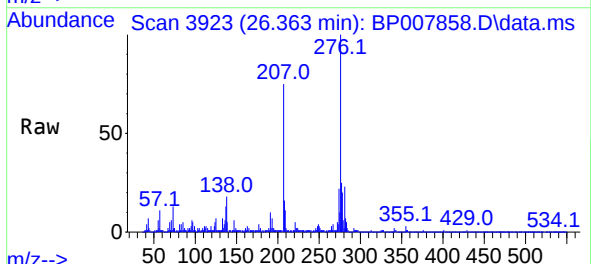
Tgt Ion:264 Resp: 108041
Ion Ratio Lower Upper
264 100
260 24.7 19.1 28.7
265 22.2 16.7 25.1

Manual Integrations
APPROVED

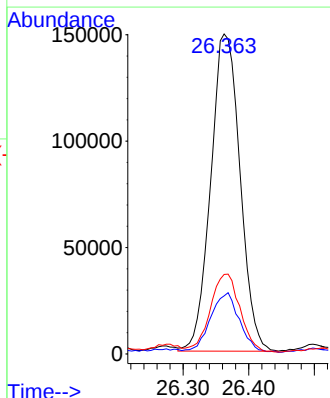
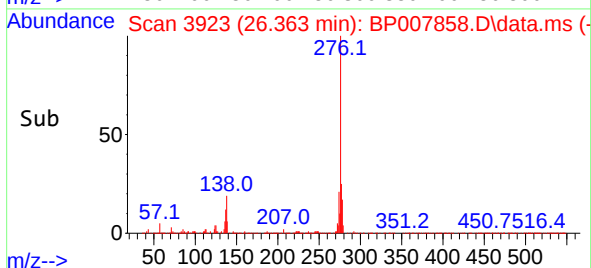
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

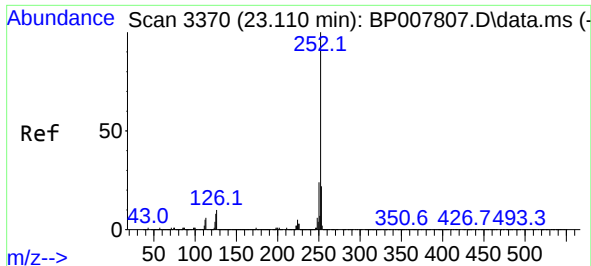


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.752 ng
RT: 26.363 min Scan# 3923
Delta R.T. -0.047 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51



Tgt Ion:276 Resp: 463211
Ion Ratio Lower Upper
276 100
138 18.8 19.4 29.0#
277 24.9 20.2 30.2





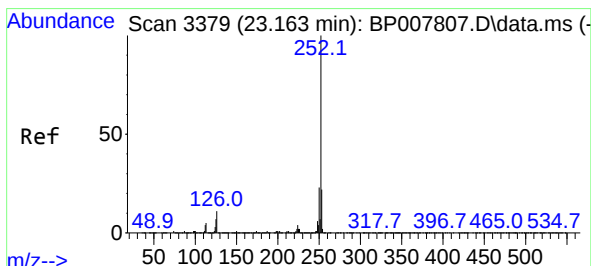
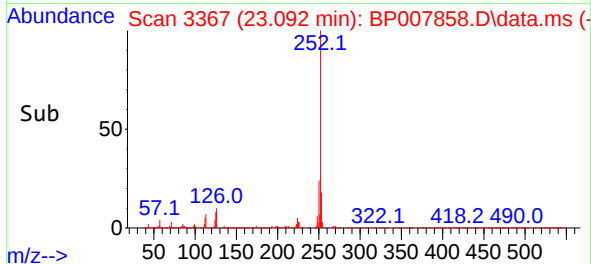
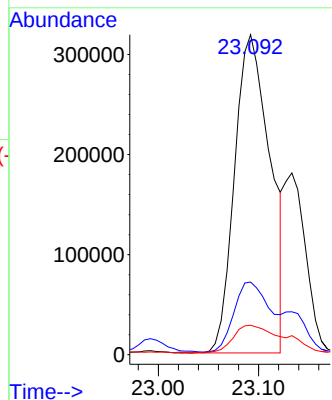
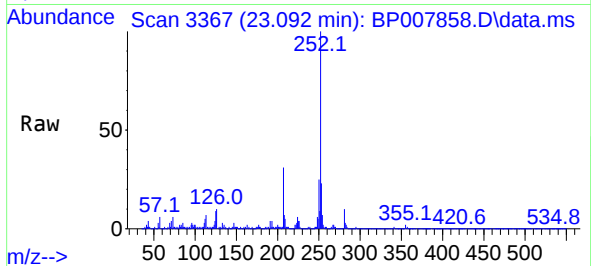
#88
Benzo(b)fluoranthene
Concen: 12.333 ng
RT: 23.092 min Scan# 3367
Delta R.T. -0.018 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion:252 Resp: 78546
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.2 7.4 11.0

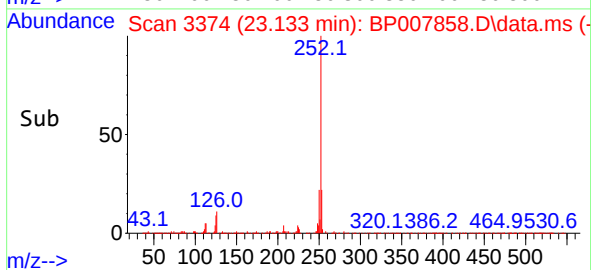
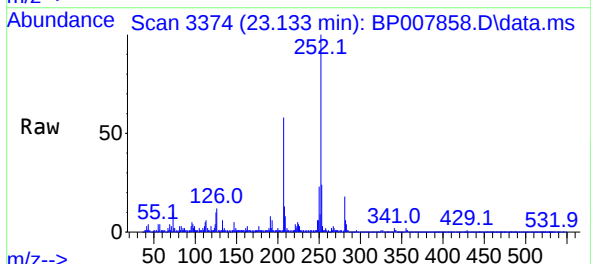
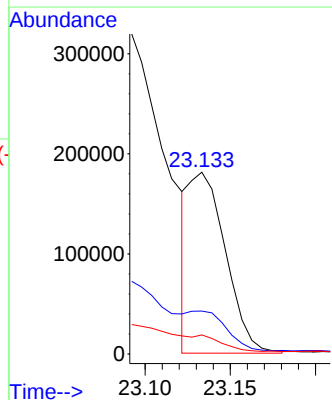
Manual Integrations
APPROVED

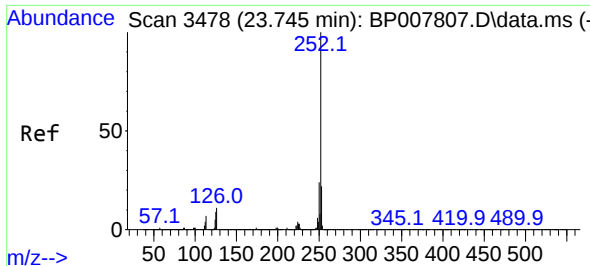
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#89
Benzo(k)fluoranthene
Concen: 4.281 ng m
RT: 23.133 min Scan# 3374
Delta R.T. -0.029 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:252 Resp: 270621
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.5 7.4 11.0





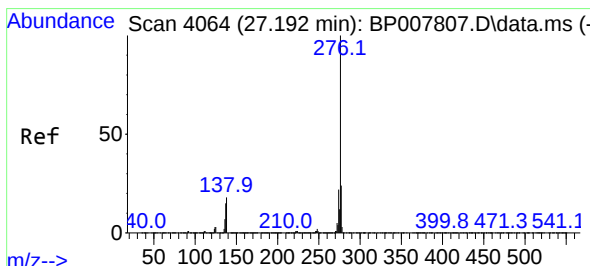
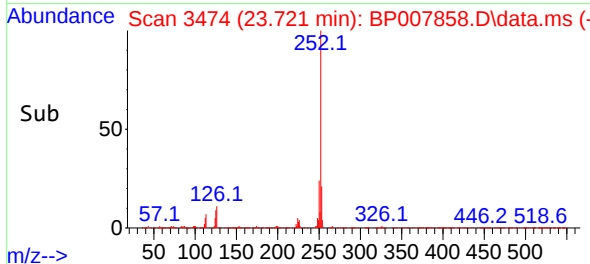
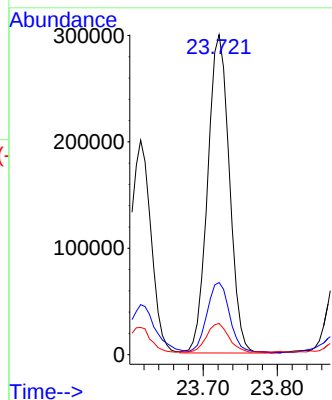
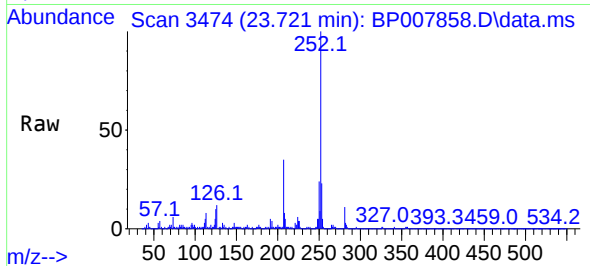
#90
Benzo(a)pyrene
Concen: 11.050 ng
RT: 23.721 min Scan# 3478
Delta R.T. -0.023 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Instrument :
BNA_P
ClientSampleId :
WC-2-MS

Tgt Ion:252 Resp: 609369
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.8 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#92
Benzo(g,h,i)perylene
Concen: 7.306 ng
RT: 27.145 min Scan# 4056
Delta R.T. -0.047 min
Lab File: BP007858.D
Acq: 04 Nov 2021 20:51

Tgt Ion:276 Resp: 483787
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 20.7 16.2 24.4

