

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
 Data File : BP008183.D
 Acq On : 01 Dec 2021 21:00
 Operator : CG/JU
 Sample : M4865-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-113021

Quant Time: Dec 01 21:39:28 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021
 Supervised By :mohammad ahmed 12/05/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	105683	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	337738	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	197813	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	437622	20.000	ng	0.00
76) Chrysene-d12	21.310	240	488700	20.000	ng	0.00
86) Perylene-d12	23.710	264	551854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	99281	15.126	ng	0.00
7) Phenol-d6	6.981	99	115502	13.035	ng	0.00
23) Nitrobenzene-d5	8.957	82	77218	10.397	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	38608	15.270	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	146970	10.792	ng	0.00
79) Terphenyl-d14	19.774	244	255750	10.937	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.169	152	39989	2.287	ng	97
71) Phenanthrene	17.251	178	167791	7.262	ng	99
72) Anthracene	17.339	178	68068	2.968	ng	97
75) Fluoranthene	19.227	202	369801	11.881	ng	99
78) Pyrene	19.580	202	407400	11.298	ng	99
81) Benzo(a)anthracene	21.292	228	255725	7.895	ng	96
83) Chrysene	21.345	228	266785	8.656	ng	96
87) Indeno(1,2,3-cd)pyrene	26.209	276	239529m	5.966	ng	
88) Benzo(b)fluoranthene	22.980	252	413806m	12.438	ng	
89) Benzo(k)fluoranthene	23.021	252	135626m	4.164	ng	
90) Benzo(a)pyrene	23.604	252	326466	11.482	ng	95
92) Benzo(g,h,i)perylene	26.980	276	253968	7.550	ng	97

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

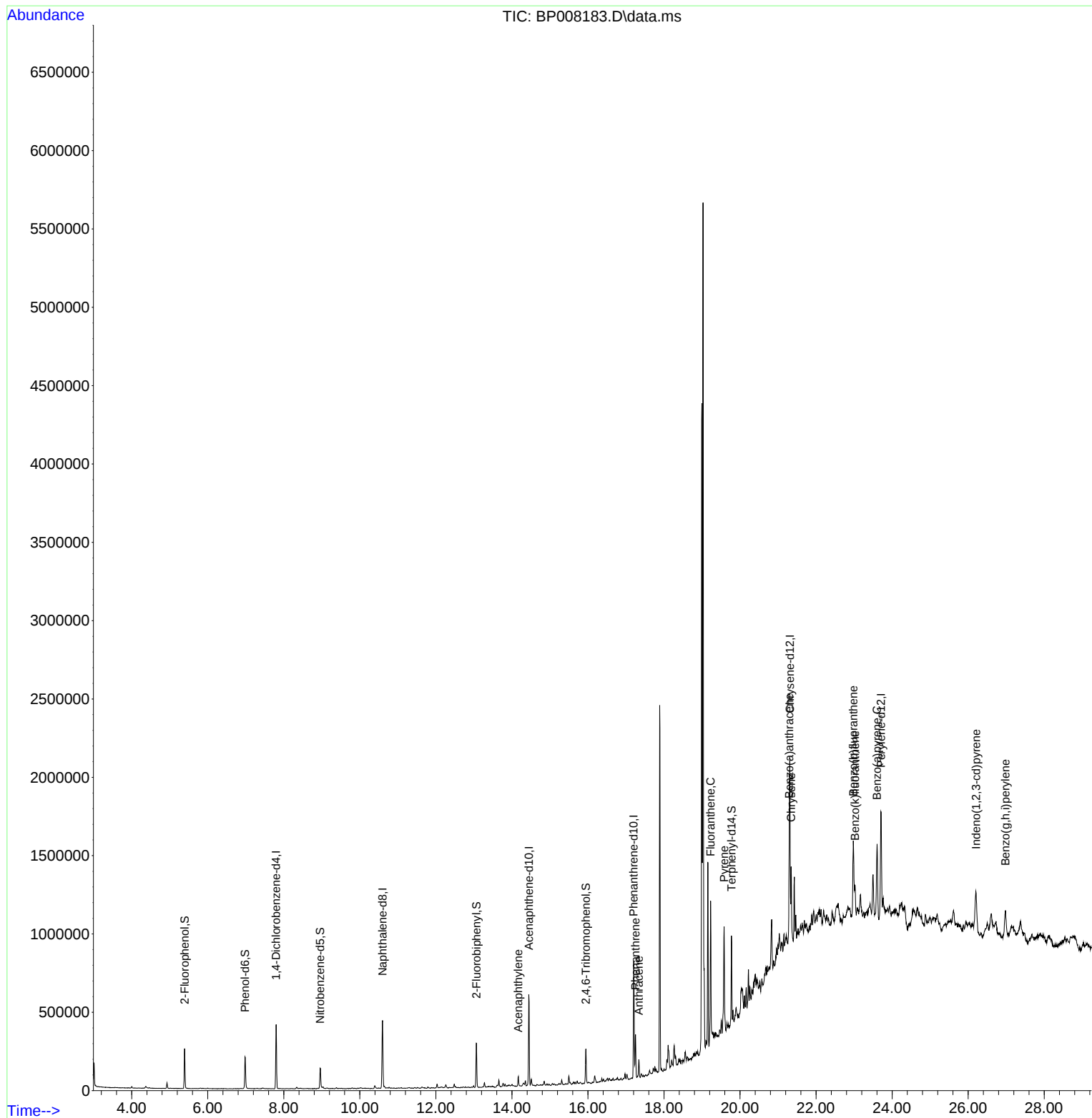
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008183.D
Acq On : 01 Dec 2021 21:00
Operator : CG/JU
Sample : M4865-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

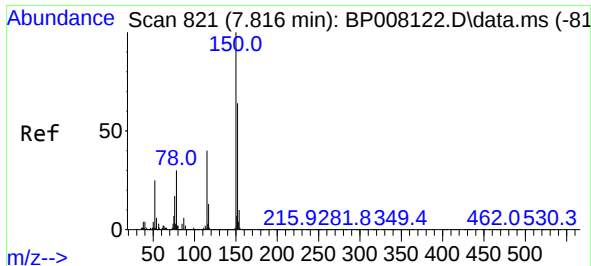
Instrument :
BNA_P
ClientSampleId :
TR-05-113021

Quant Time: Dec 01 21:39:28 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

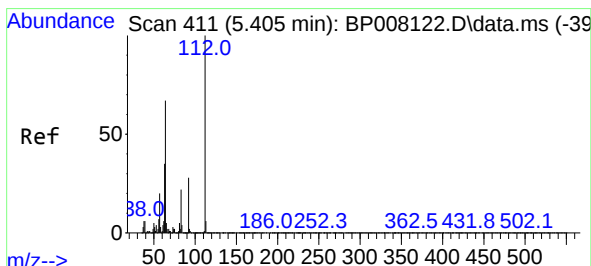
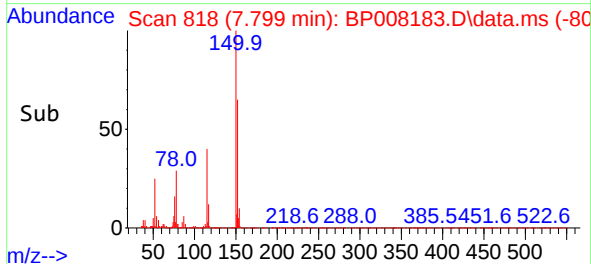
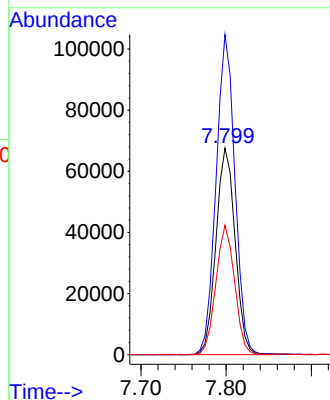
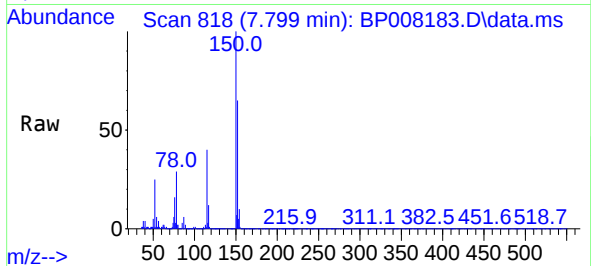
ClientSampleId :

TR-05-113021

Tgt Ion:152 Resp: 10568
Ion Ratio Lower Upper
152 100
150 154.9 125.7 188.5
115 62.6 50.7 76.1

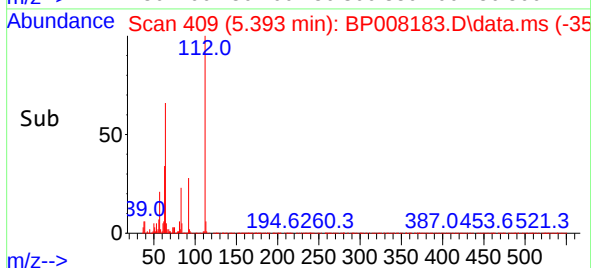
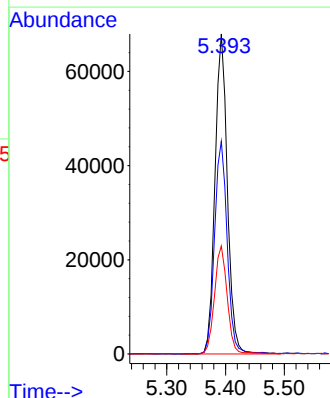
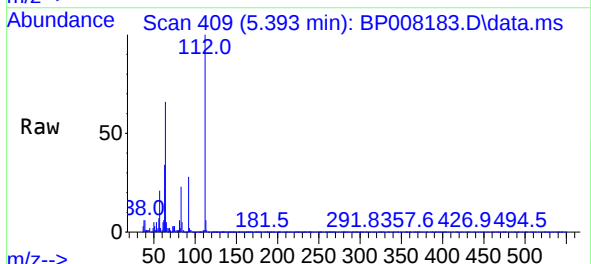
Manual Integrations
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#5
2-Fluorophenol
Concen: 15.126 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

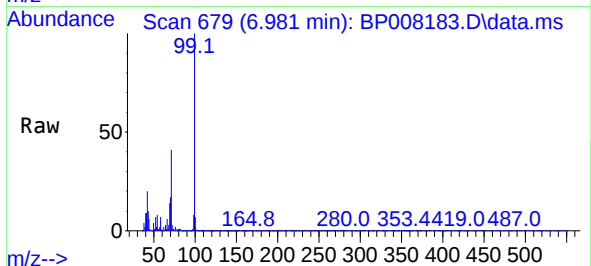
Tgt Ion:112 Resp: 99281
Ion Ratio Lower Upper
112 100
64 66.5 53.4 80.2
63 33.7 27.8 41.8





#7
Phenol-d6
Concen: 13.035 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

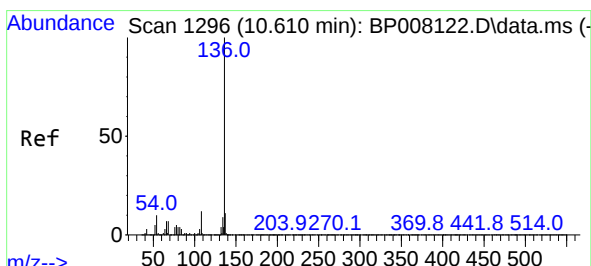
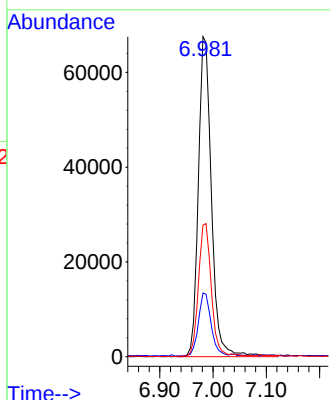
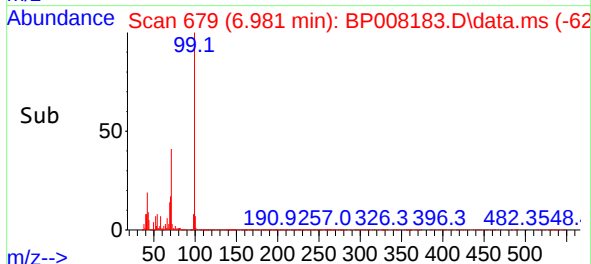
Instrument :
BNA_P
ClientSampleId :
TR-05-113021



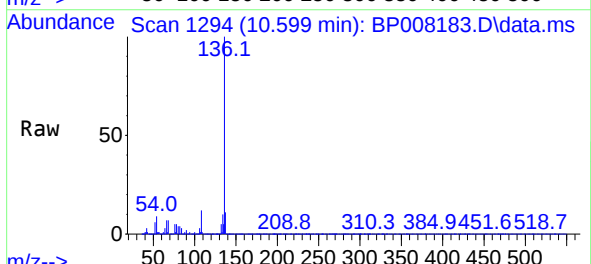
Tgt Ion: 99 Resp: 11550
Ion Ratio Lower Upper
99 100
42 19.9 14.6 22.0
71 41.1 31.1 46.7

Manual Integrations
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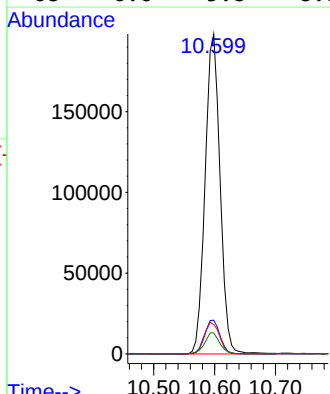
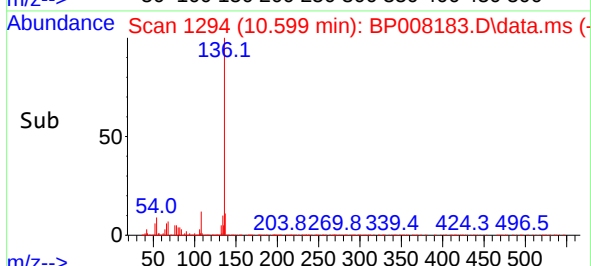
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021

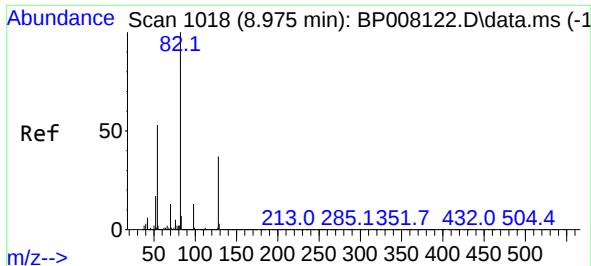


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00



Tgt Ion:136 Resp: 337738
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 9.2 8.2 12.4
68 6.6 5.8 8.8





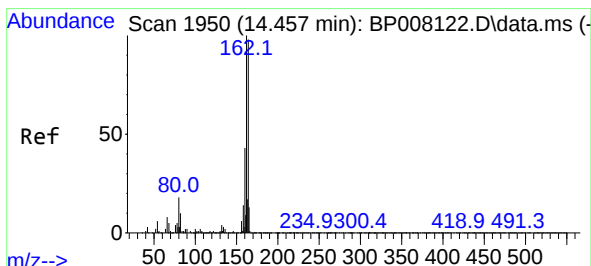
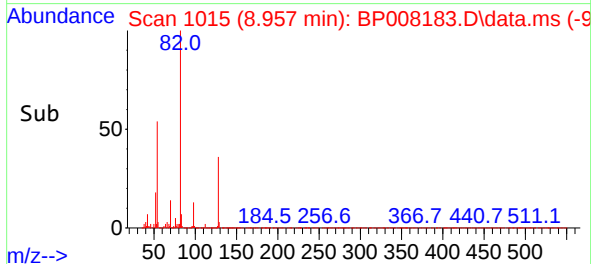
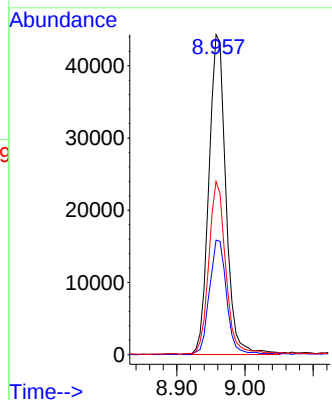
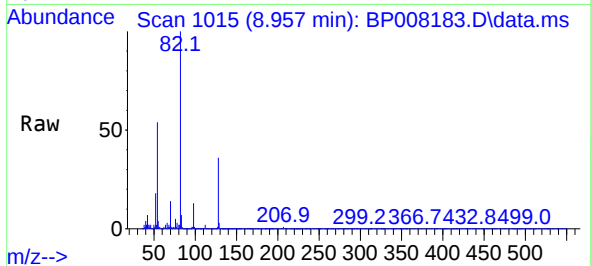
#23
Nitrobenzene-d5
Concen: 10.397 ng
RT: 8.957 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
TR-05-113021

Tgt Ion: 82 Resp: 77218
Ion Ratio Lower Upper
82 100
128 35.8 29.6 44.4
54 54.1 42.7 64.1

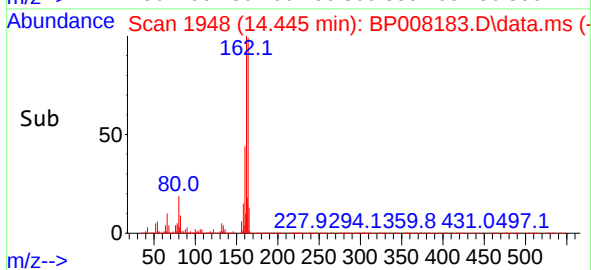
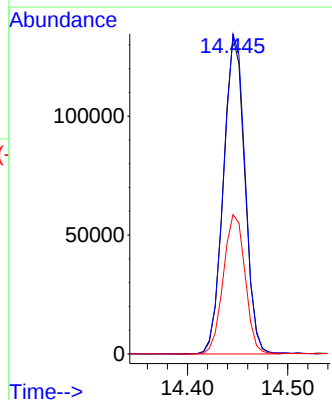
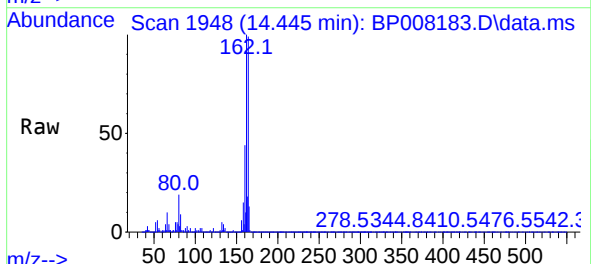
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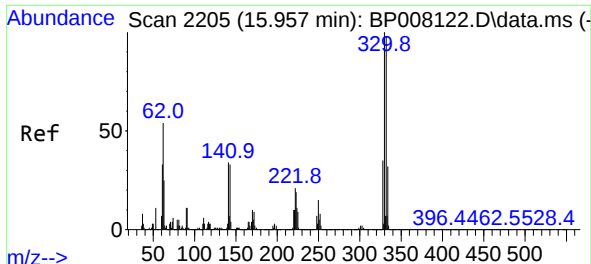
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:164 Resp: 197813
Ion Ratio Lower Upper
164 100
162 101.0 81.9 122.9
160 44.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 15.270 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

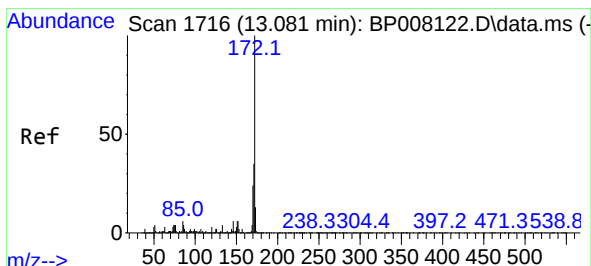
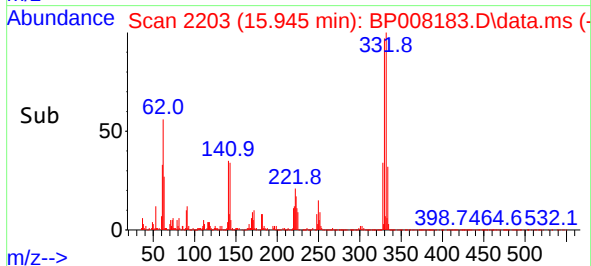
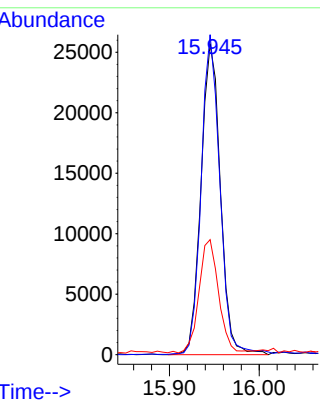
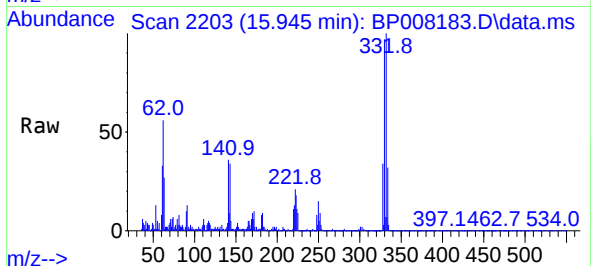
TR-05-113021

Tgt Ion:330 Resp: 3860
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.4
141 36.5 28.4 42.6

Manual Integrations

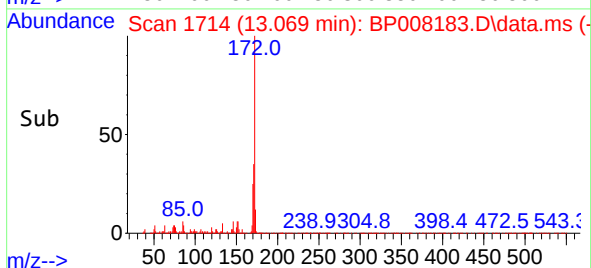
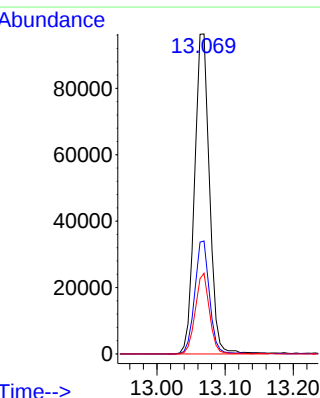
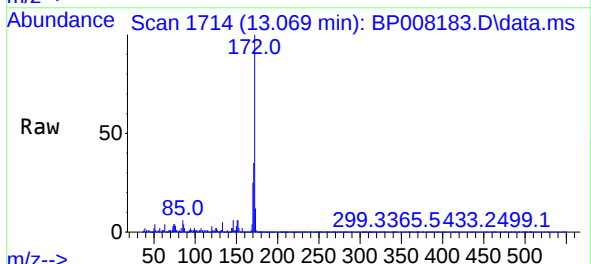
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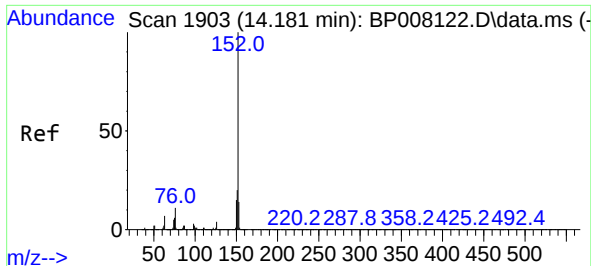
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#45
2-Fluorobiphenyl
Concen: 10.792 ng
RT: 13.069 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:172 Resp: 146970
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 25.2 18.9 28.3





#49
Acenaphthylene
Concen: 2.287 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

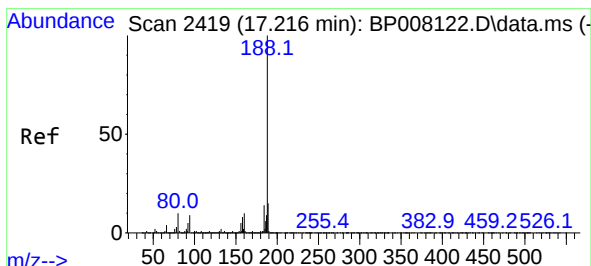
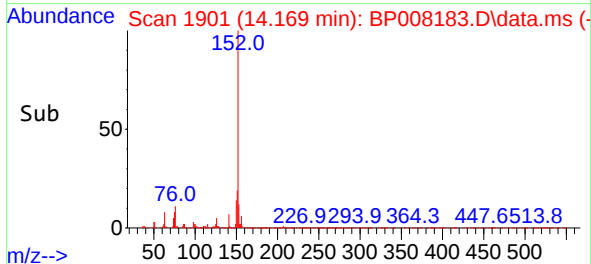
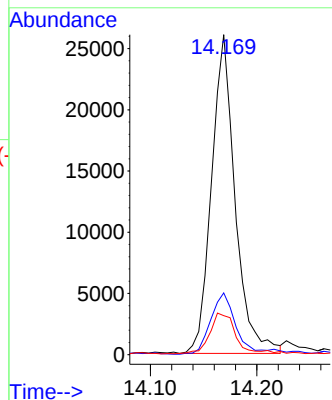
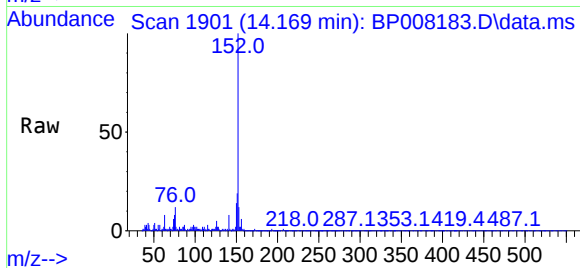
TR-05-113021

Tgt Ion:152 Resp: 39989
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.2 10.9 16.3

Manual Integrations

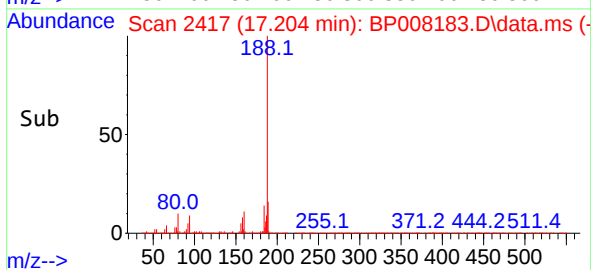
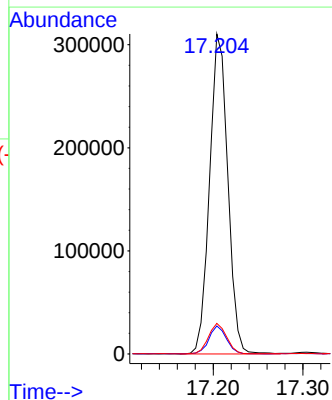
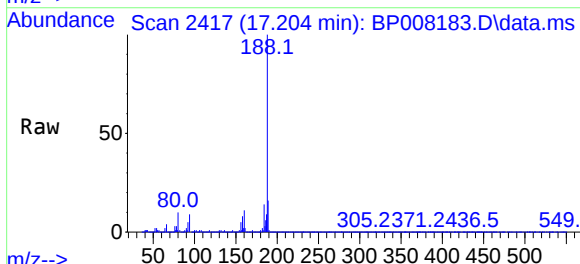
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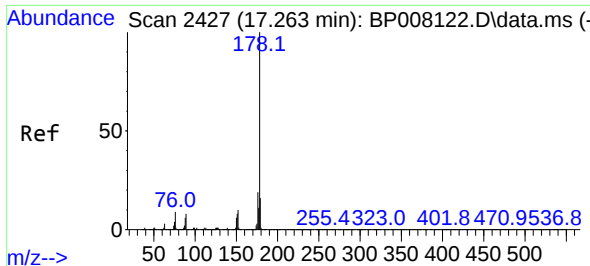
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:188 Resp: 437622
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.6 8.2 12.4





#71
Phenanthrene
Concen: 7.262 ng
RT: 17.251 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

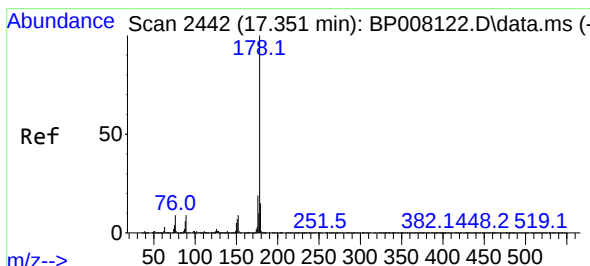
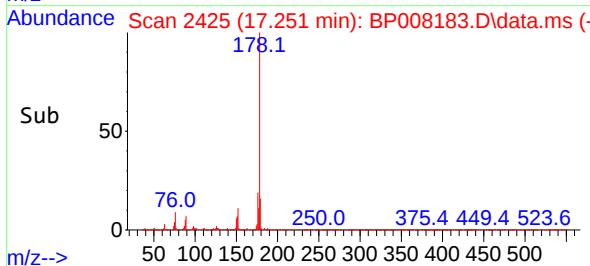
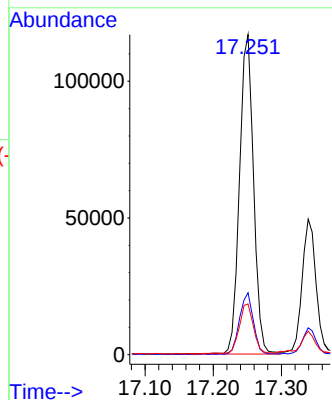
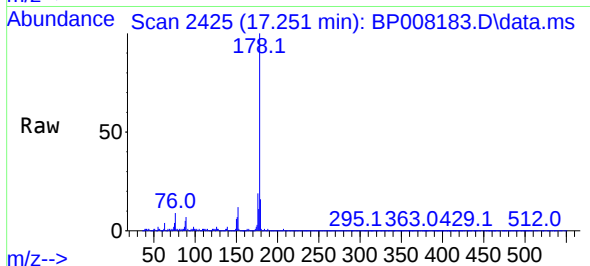
TR-05-113021

Tgt Ion:178 Resp: 16779
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.9 12.5 18.7

Manual Integrations

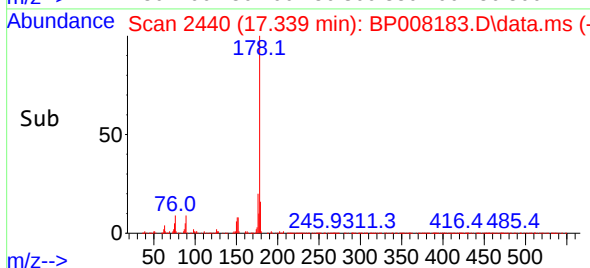
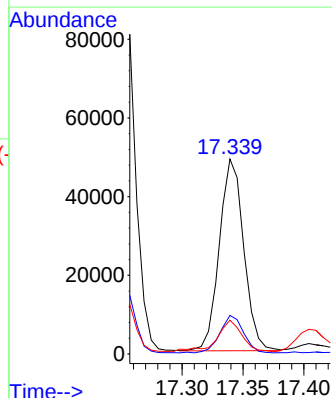
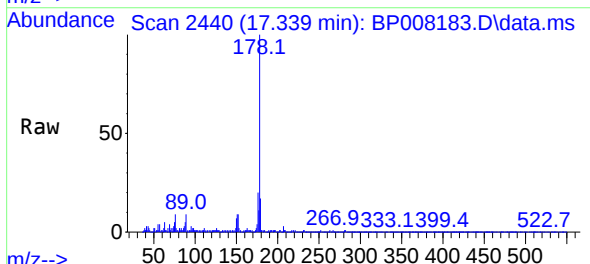
APPROVED

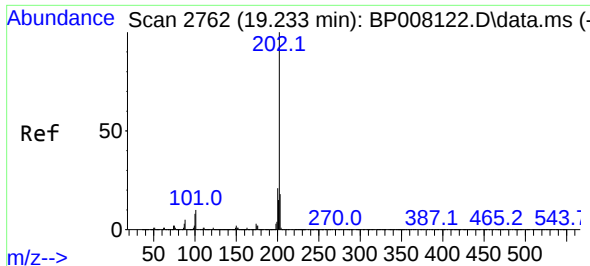
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#72
Anthracene
Concen: 2.968 ng
RT: 17.339 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:178 Resp: 68068
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 17.4 12.3 18.5





#75
Fluoranthene
Concen: 11.881 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

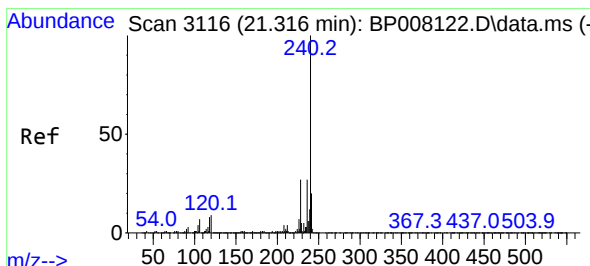
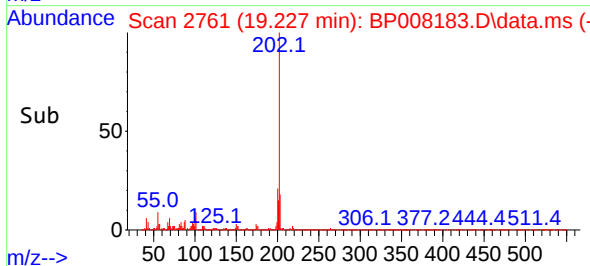
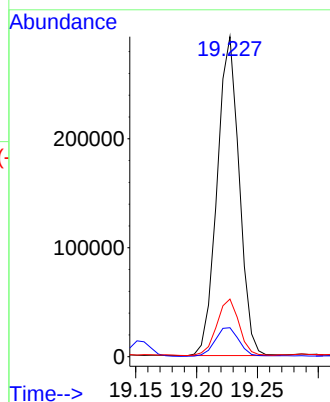
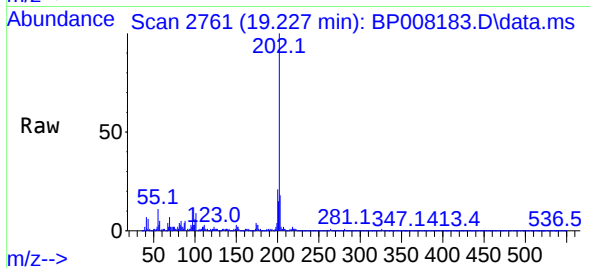
TR-05-113021

Tgt Ion:202 Resp: 36980
Ion Ratio Lower Upper
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101 9.0 0.0 29.8
203 18.0 0.0 37.7

Manual Integrations

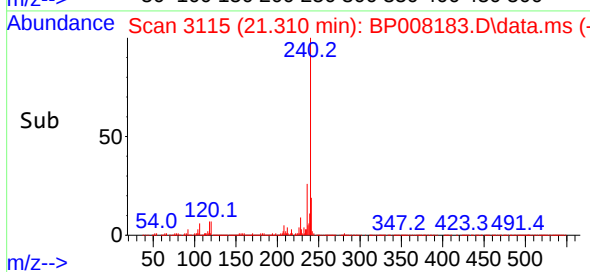
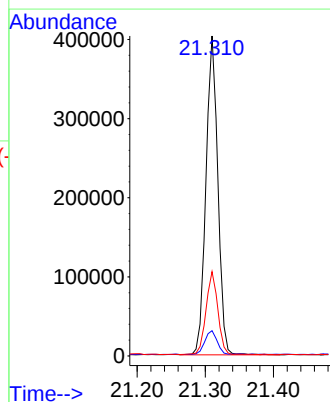
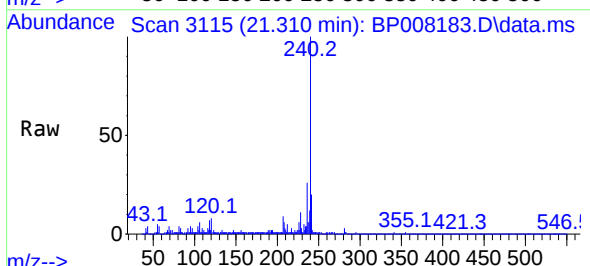
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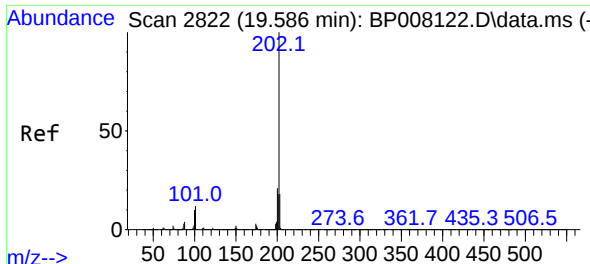
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:240 Resp: 488700
Ion Ratio Lower Upper
240 100
120 7.9 7.3 10.9
236 26.3 21.4 32.2





#78
Pyrene
Concen: 11.298 ng
RT: 19.580 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

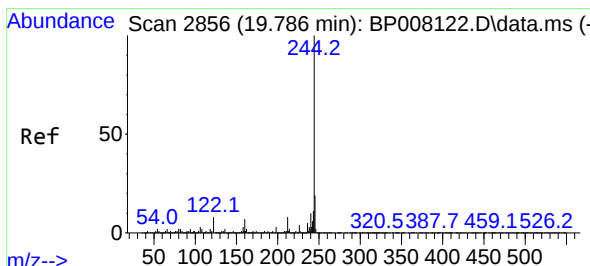
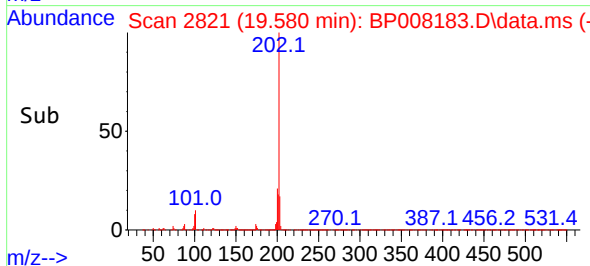
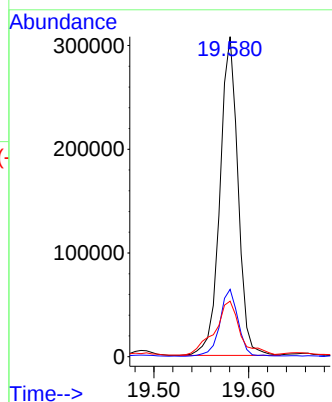
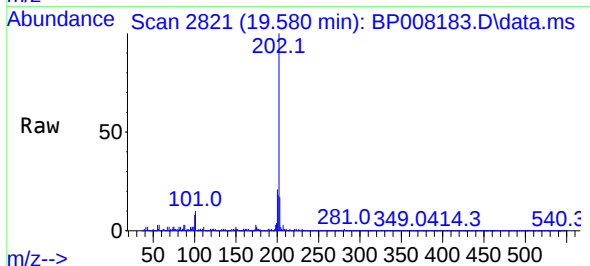
TR-05-113021

Tgt Ion:202 Resp: 407400
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.4 14.2 21.2

Manual Integrations

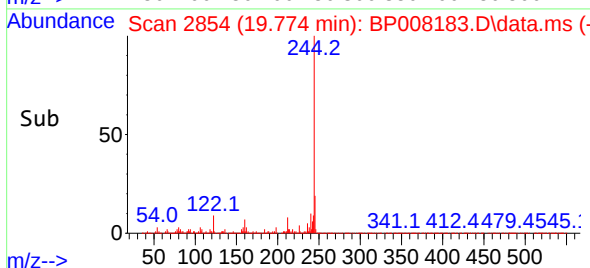
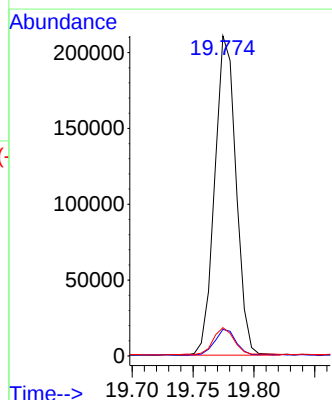
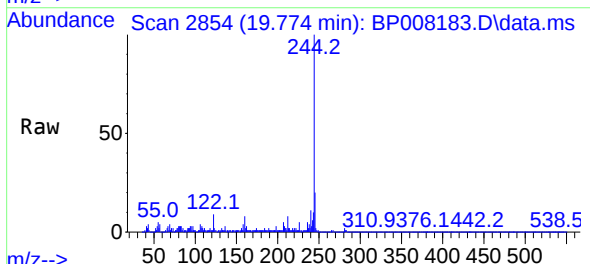
APPROVED

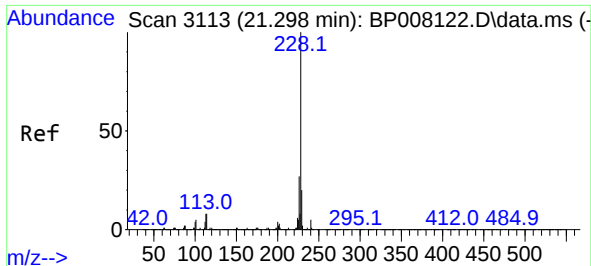
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#79
Terphenyl-d14
Concen: 10.937 ng
RT: 19.774 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:244 Resp: 255750
Ion Ratio Lower Upper
244 100
212 8.3 6.0 9.0
122 8.8 6.6 9.8





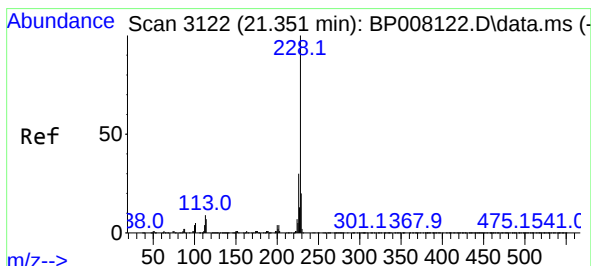
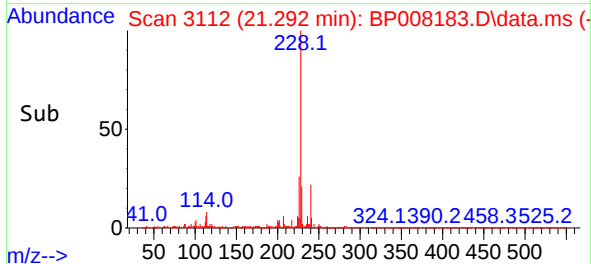
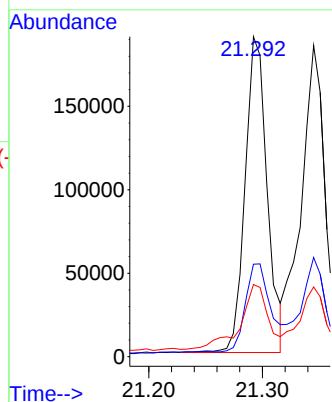
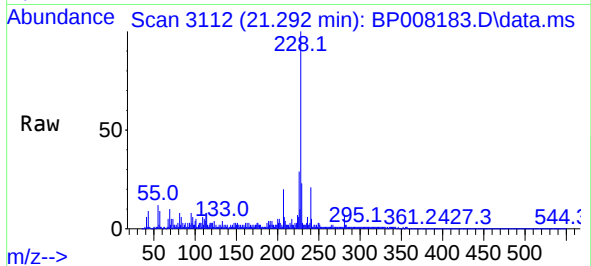
#81
Benzo(a)anthracene
Concen: 7.895 ng
RT: 21.292 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
TR-05-113021

Tgt Ion:228 Resp: 255725
Ion Ratio Lower Upper
228 100
226 28.9 21.9 32.9
229 22.6 15.9 23.9

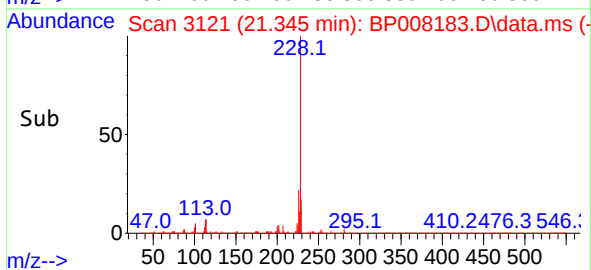
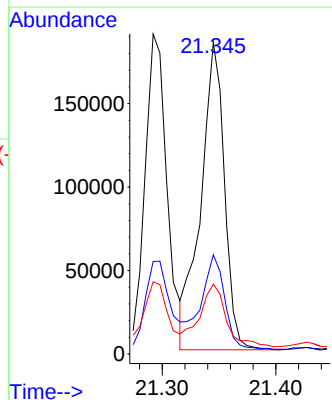
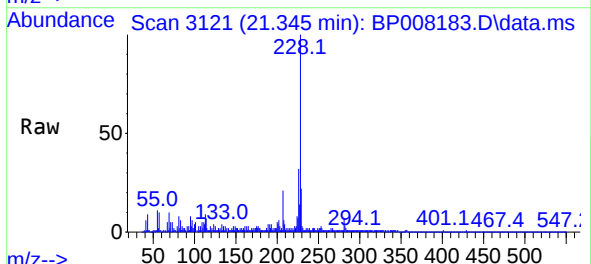
Manual Integrations
APPROVED

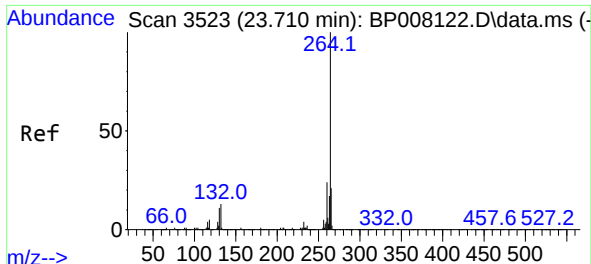
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#83
Chrysene
Concen: 8.656 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:228 Resp: 266785
Ion Ratio Lower Upper
228 100
226 31.9 24.0 36.0
229 22.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

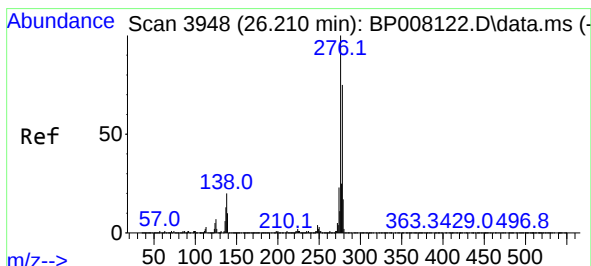
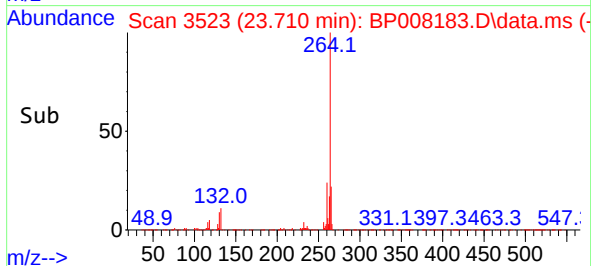
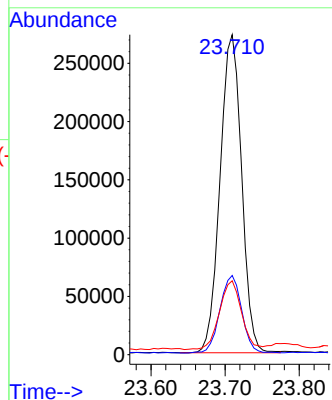
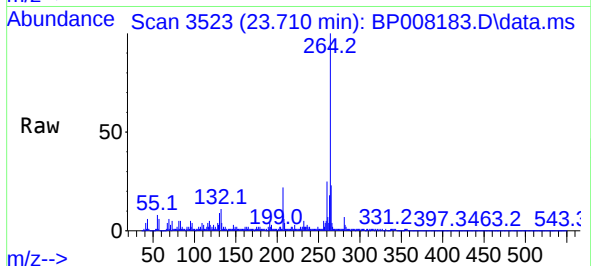
TR-05-113021

Tgt Ion:264 Resp: 551854
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 23.1 17.6 26.4

Manual Integrations

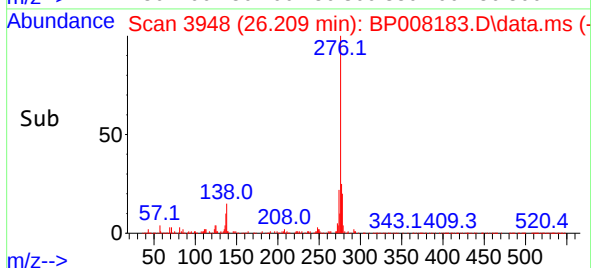
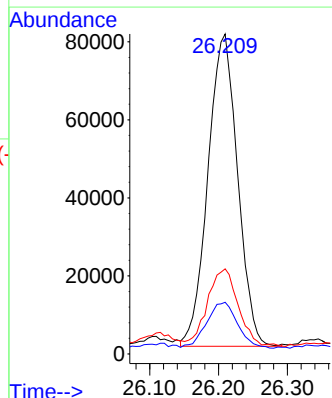
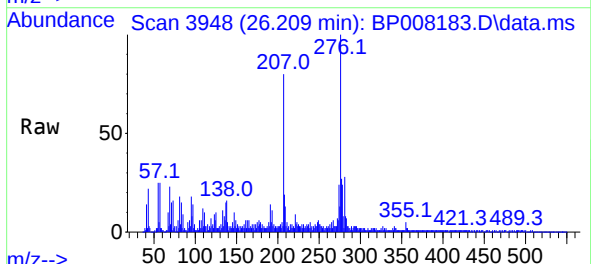
APPROVED

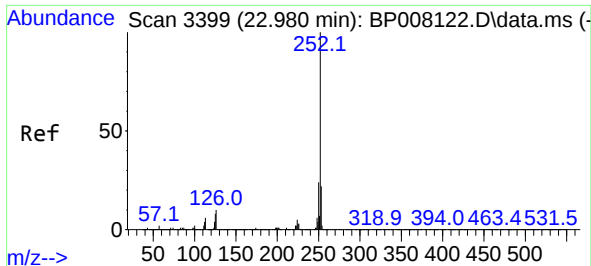
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.966 ng m
RT: 26.209 min Scan# 3948
Delta R.T. -0.000 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:276 Resp: 239529
Ion Ratio Lower Upper
276 100
138 0.6 16.6 25.0#
277 0.7 20.2 30.2#





#88
Benzo(b)fluoranthene
Concen: 12.438 ng m
RT: 22.980 min Scan# 3399
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

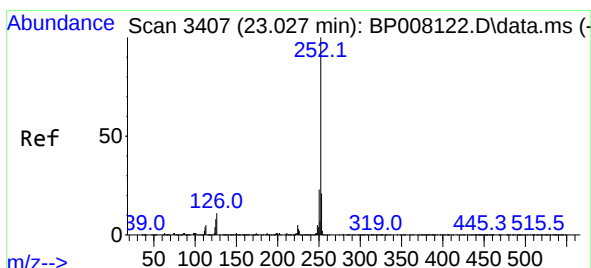
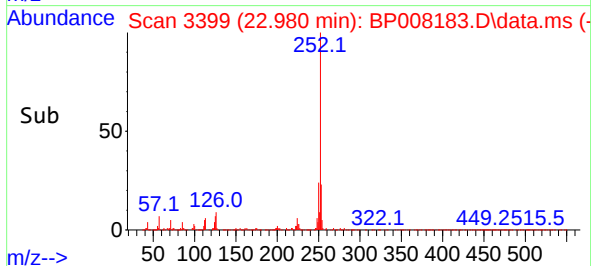
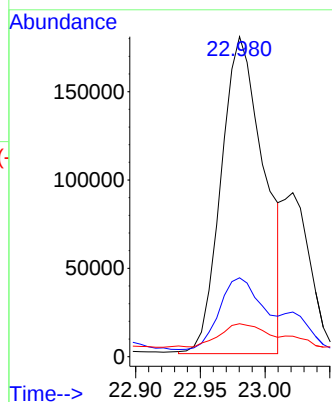
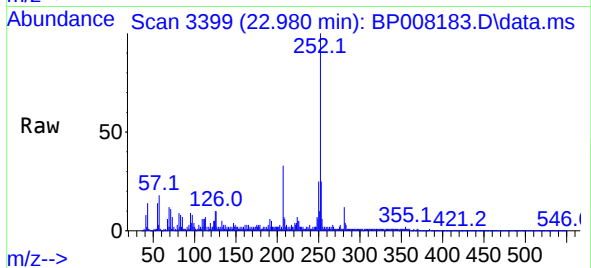
TR-05-113021

Tgt Ion:252 Resp: 413800
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 10.3 6.2 9.4

Manual Integrations

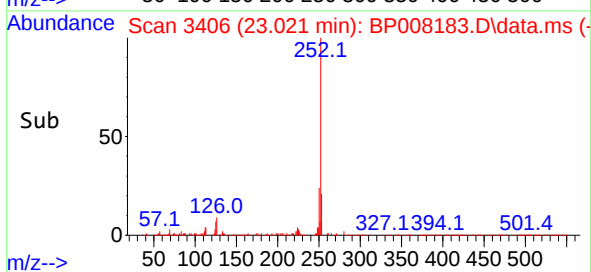
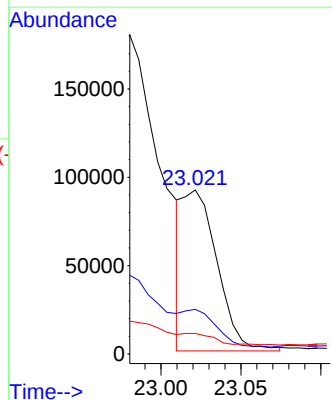
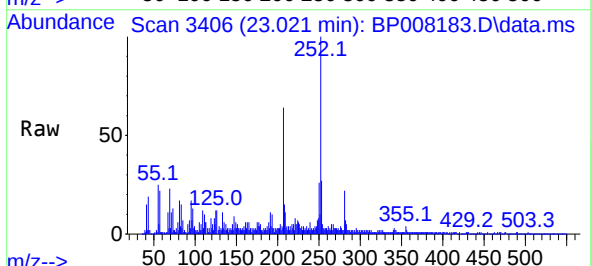
APPROVED

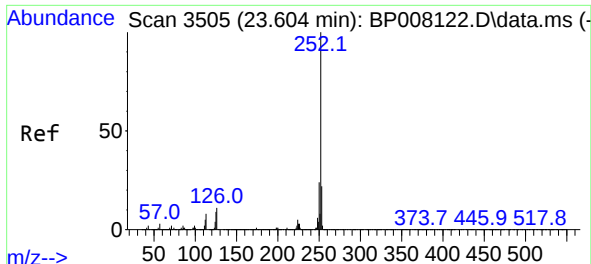
Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#89
Benzo(k)fluoranthene
Concen: 4.164 ng m
RT: 23.021 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:252 Resp: 135626
Ion Ratio Lower Upper
252 100
253 27.2 17.3 25.9#
125 12.5 6.5 9.7#





#90
Benzo(a)pyrene
Concen: 11.482 ng
RT: 23.604 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Instrument :

BNA_P

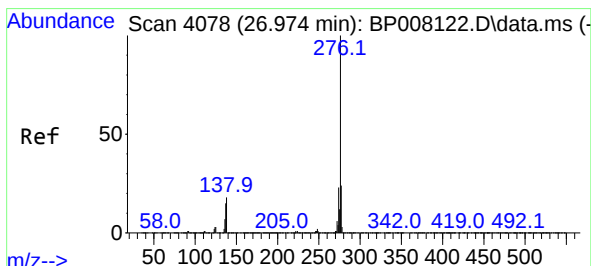
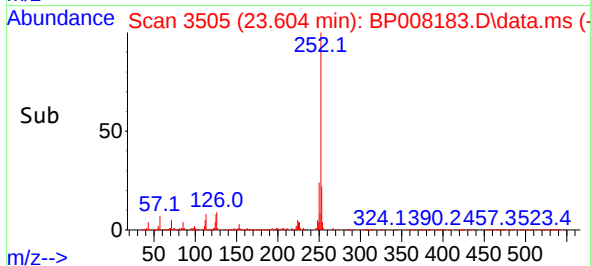
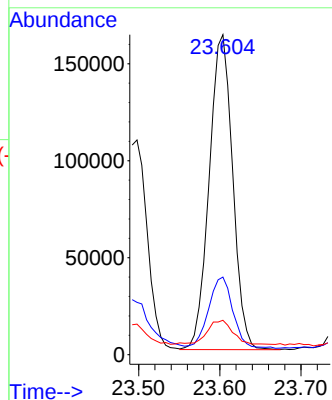
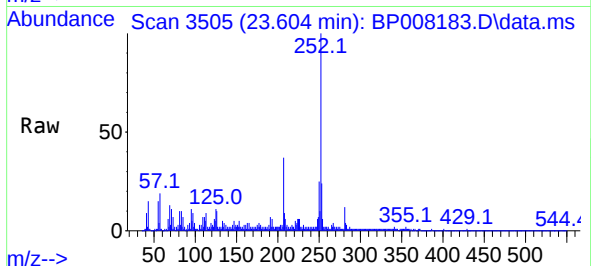
ClientSampleId :

TR-05-113021

Tgt Ion:252 Resp: 326460
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 10.7 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021
Supervised By :mohammad ahmed 12/05/2021



#92
Benzo(g,h,i)perylene
Concen: 7.550 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.006 min
Lab File: BP008183.D
Acq: 01 Dec 2021 21:00

Tgt Ion:276 Resp: 253968
Ion Ratio Lower Upper
276 100
277 25.8 20.0 30.0
138 15.6 14.1 21.1

