

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
 Data File : BM036166.D
 Acq On : 09 Aug 2022 04:35
 Operator : CG/JU
 Sample : N3963-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-224

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 05:05:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	289972	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1196334	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	692683	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1359072	20.000	ng	0.00
76) Chrysene-d12	21.410	240	1221778	20.000	ng	-0.01
86) Perylene-d12	23.768	264	1276287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1836670	102.690	ng	0.00
7) Phenol-d6	7.063	99	2304290	101.251	ng	0.00
23) Nitrobenzene-d5	9.016	82	1394659	65.257	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	882113	108.553	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	3164331	67.449	ng	0.00
79) Terphenyl-d14	19.857	244	4391233	70.892	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.269	178	517874	7.479	ng	99
75) Fluoranthene	19.286	202	933789	12.048	ng	98
78) Pyrene	19.651	202	988976	13.054	ng	100
81) Benzo(a)anthracene	21.392	228	492469	6.544	ng	99
83) Chrysene	21.445	228	521767	7.294	ng	96
87) Indeno(1,2,3-cd)pyrene	26.209	276	409675	4.568	ng	97
88) Benzo(b)fluoranthene	23.051	252	761198	10.180	ng	# 95
89) Benzo(k)fluoranthene	23.092	252	234935m	3.111	ng	
90) Benzo(a)pyrene	23.662	252	513587	8.186	ng	# 93
92) Benzo(g,h,i)perylene	26.962	276	436210	6.002	ng	97

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

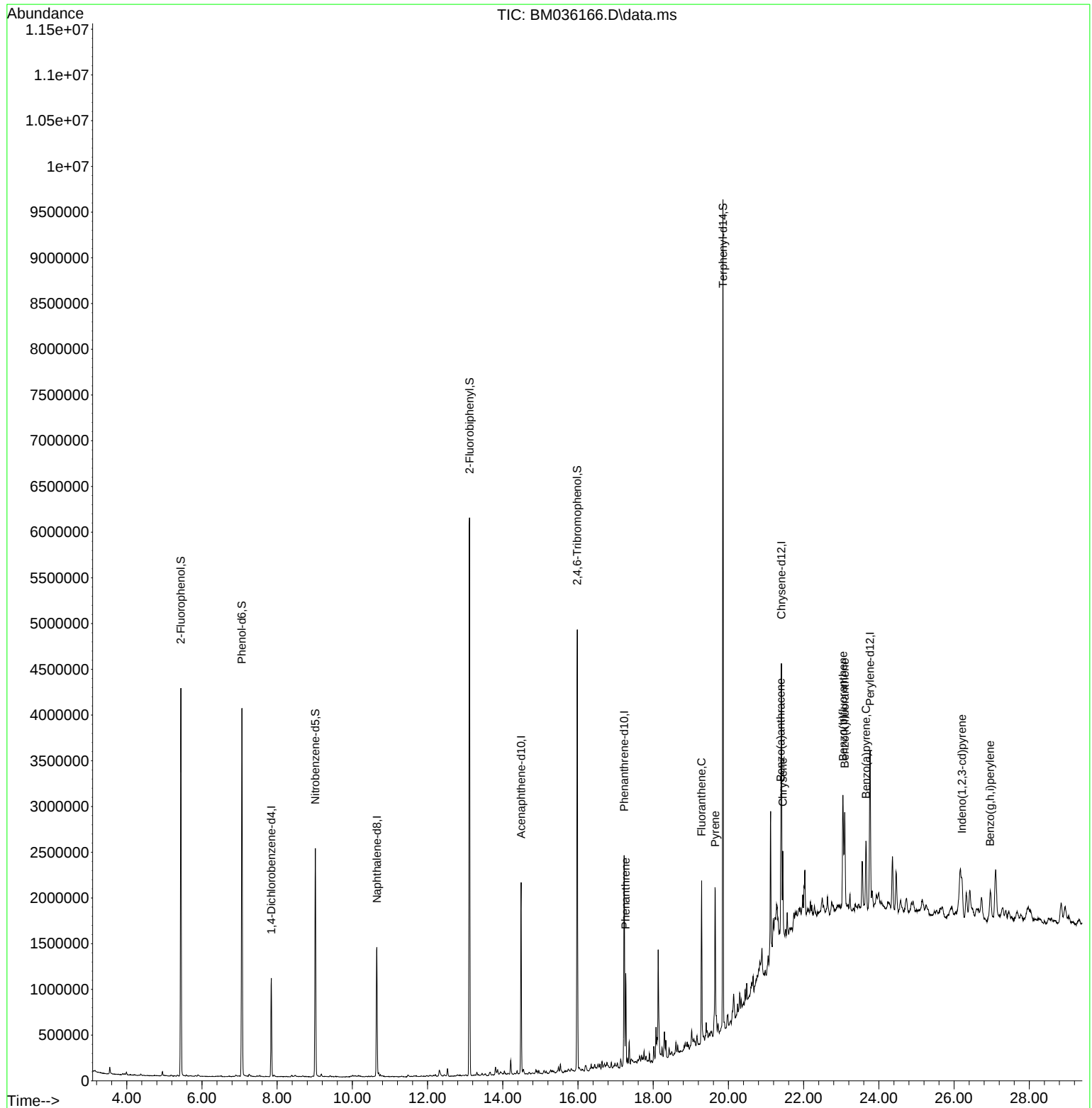
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
Data File : BM036166.D
Acq On : 09 Aug 2022 04:35
Operator : CG/JU
Sample : N3963-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

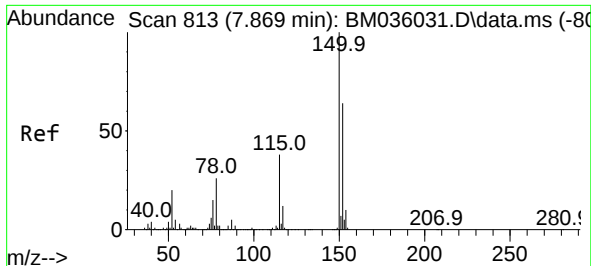
Instrument :
BNA_M
ClientSampleId :
RVE-224

Quant Time: Aug 09 05:05:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 23:36:56 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

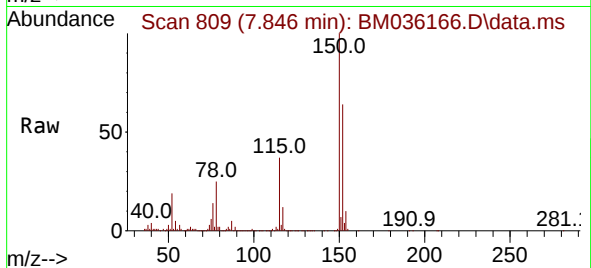
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

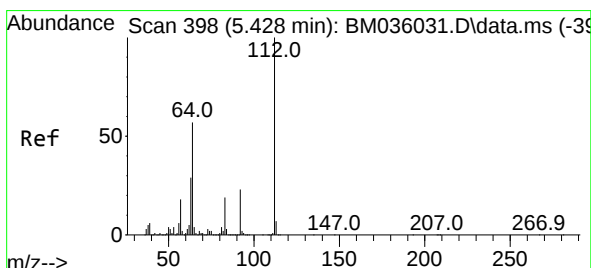
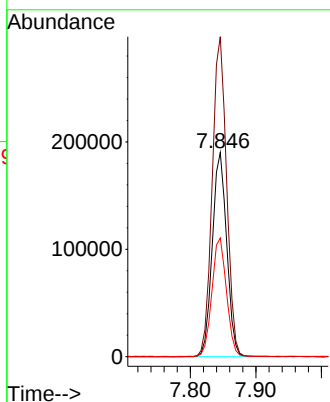
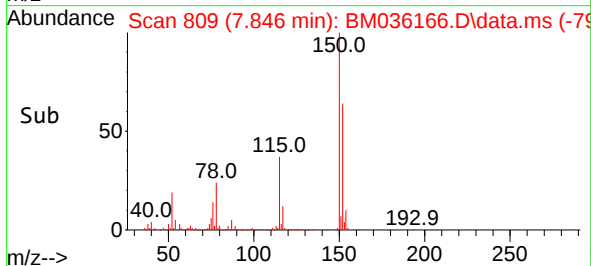
Instrument :
BNA_M
ClientSampleId :
RVE-224



Tgt Ion:152 Resp: 289972
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 58.1 47.9 71.9

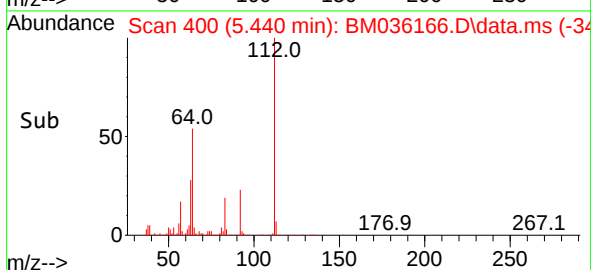
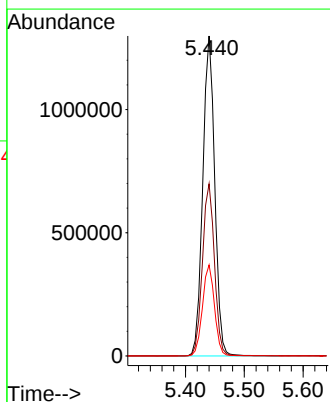
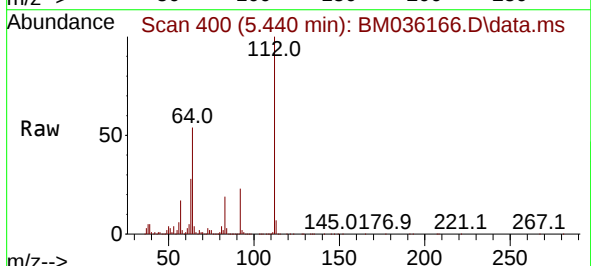
Manual Integrations
APPROVED

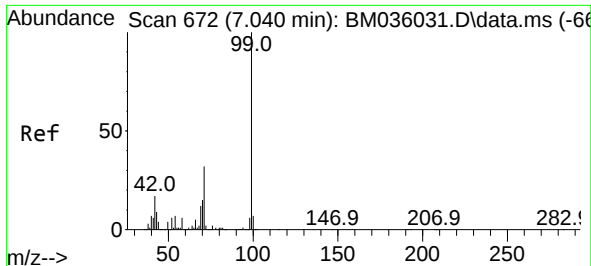
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 102.690 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.006 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

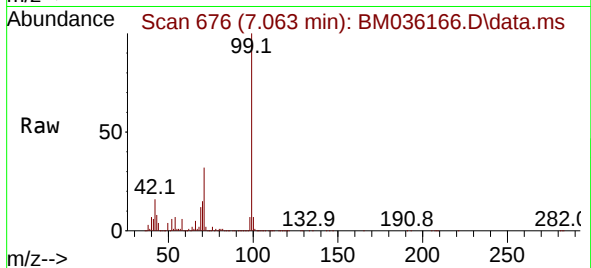
Tgt Ion:112 Resp: 1836670
Ion Ratio Lower Upper
112 100
64 53.8 47.8 71.6
63 28.5 26.6 40.0





#7
Phenol-d6
Concen: 101.251 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

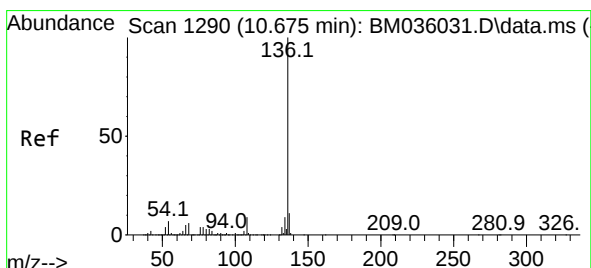
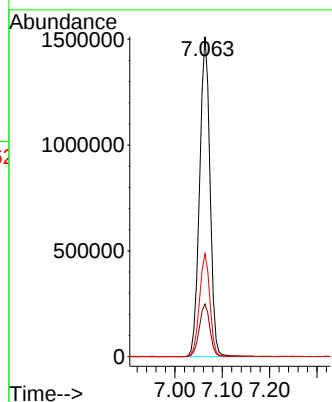
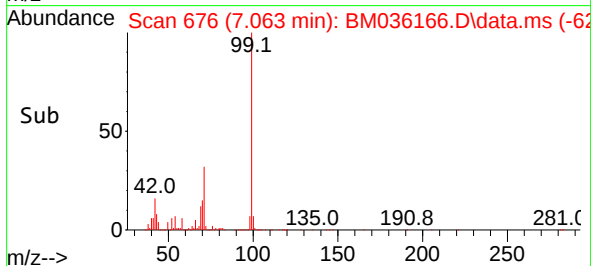
Instrument :
BNA_M
ClientSampleId :
RVE-224



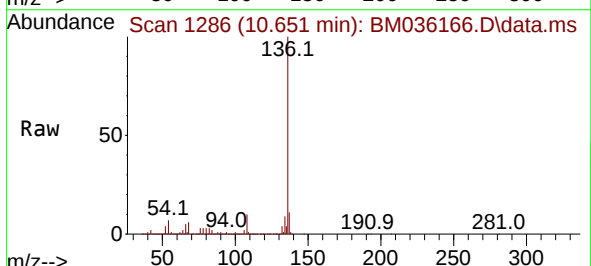
Tgt Ion: 99 Resp: 2304290
Ion Ratio Lower Upper
99 100
42 16.5 18.8 28.2
71 32.1 30.2 45.2

Manual Integrations
APPROVED

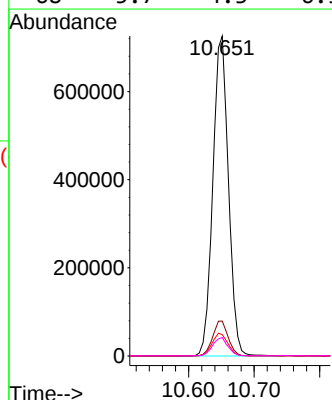
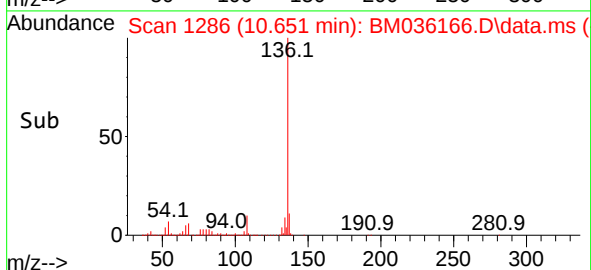
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

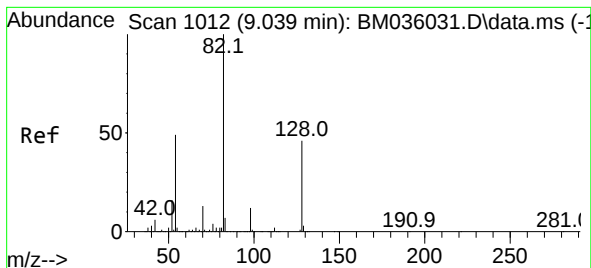


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35



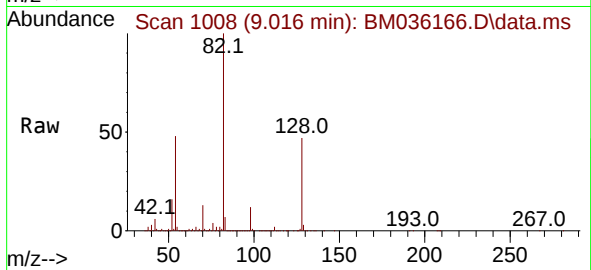
Tgt Ion:136 Resp: 1196334
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.7 7.0 10.4
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 65.257 ng
RT: 9.016 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

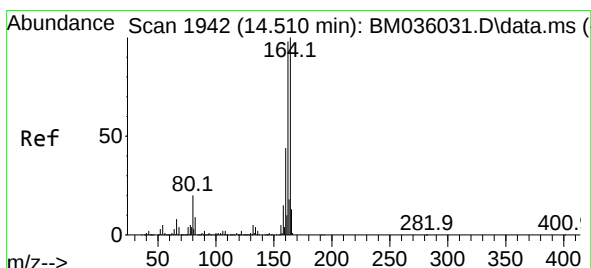
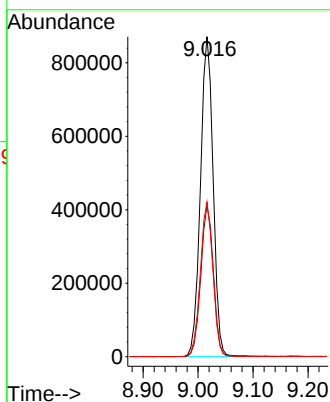
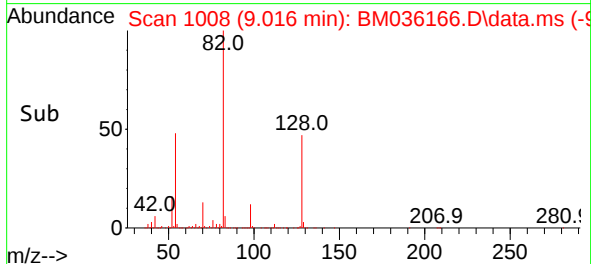
Instrument :
BNA_M
ClientSampleId :
RVE-224



Tgt Ion: 82 Resp: 1394659
Ion Ratio Lower Upper
82 100
128 47.3 33.7 50.5
54 48.4 43.2 64.8

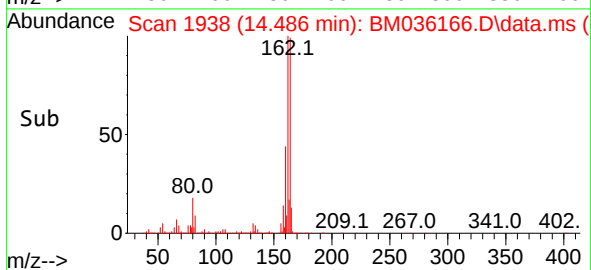
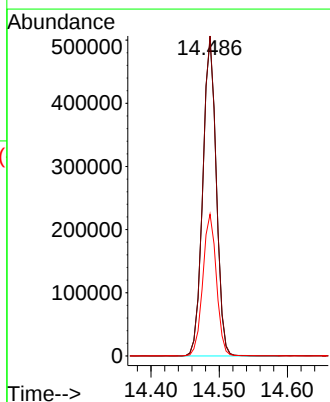
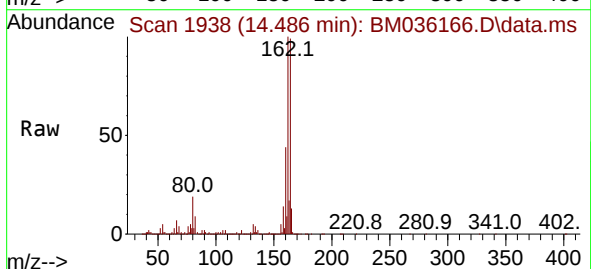
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

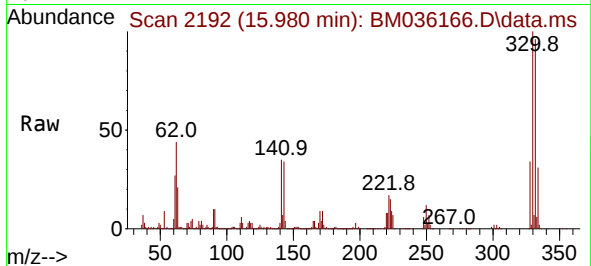
Tgt Ion:164 Resp: 692683
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.6
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 108.553 ng
RT: 15.980 min Scan# 2195
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

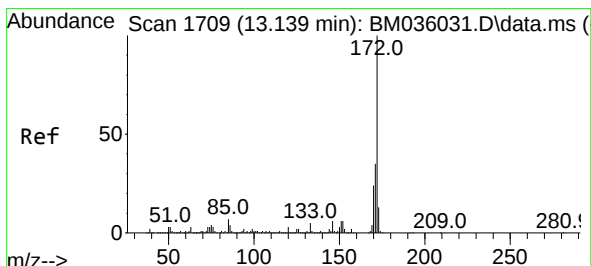
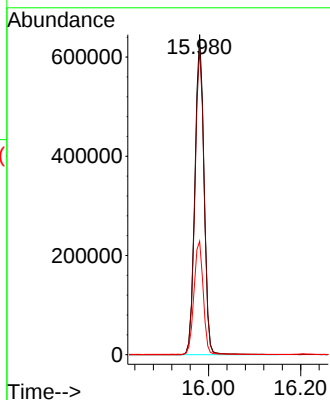
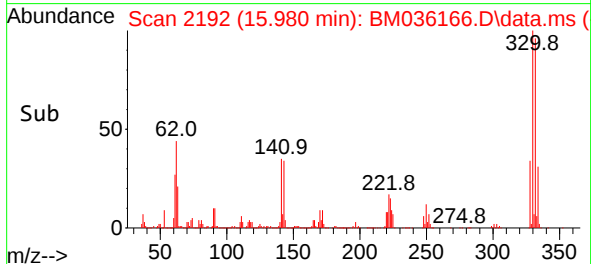
Instrument :
BNA_M
ClientSampleId :
RVE-224



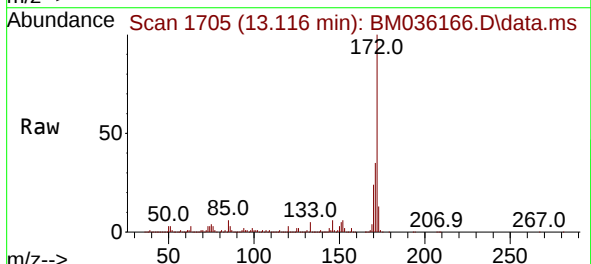
Tgt Ion:330 Resp: 88211
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 35.8 35.3 52.9

Manual Integrations
APPROVED

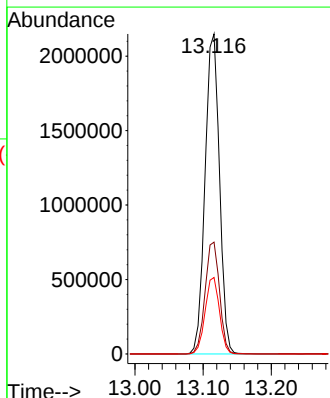
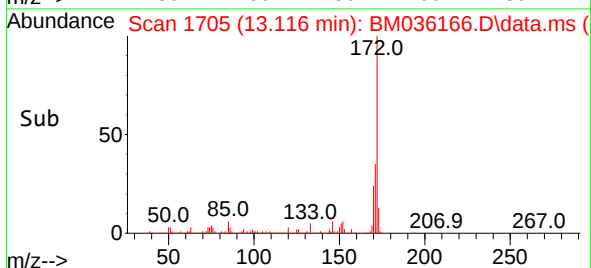
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

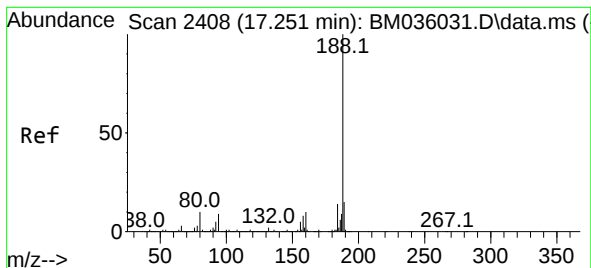


#45
2-Fluorobiphenyl
Concen: 67.449 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35



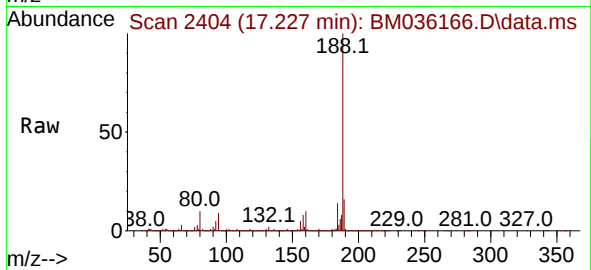
Tgt Ion:172 Resp: 3164331
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.9 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

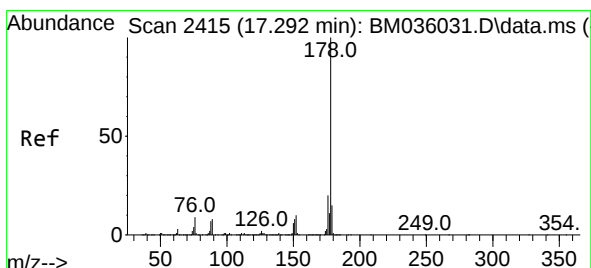
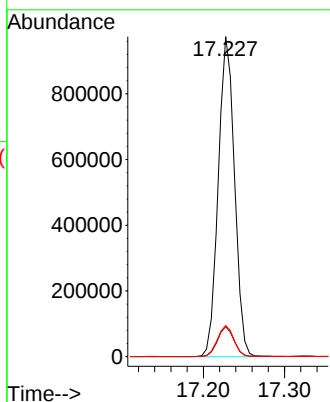
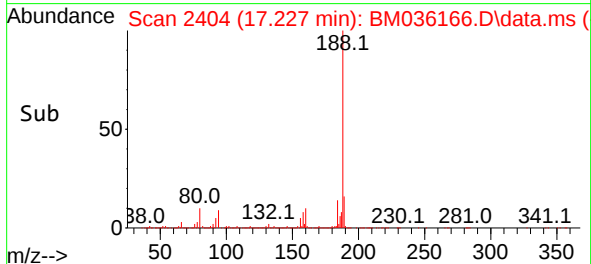
Instrument :
BNA_M
ClientSampleId :
RVE-224



Tgt Ion:188 Resp: 135907
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.8 7.6 11.4

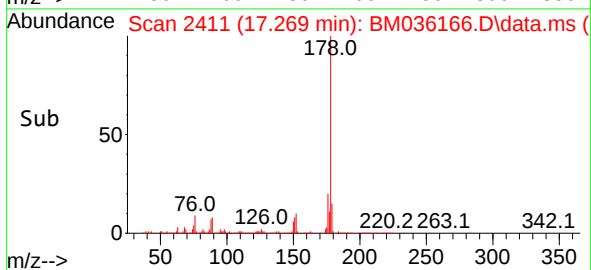
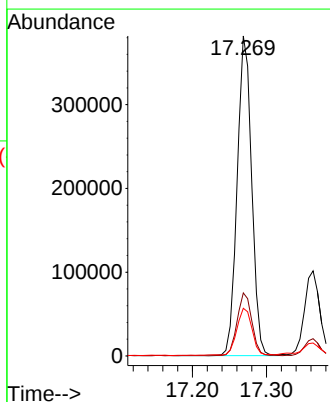
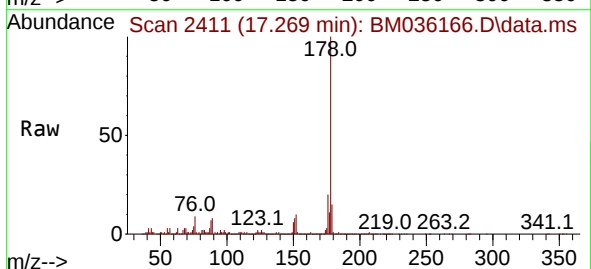
Manual Integrations
APPROVED

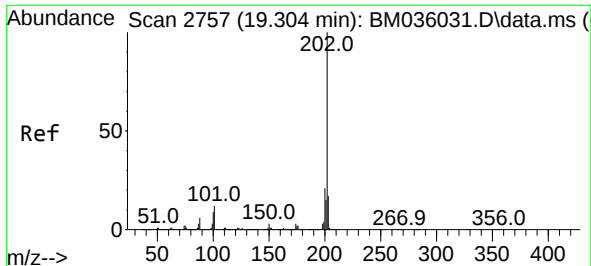
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 7.479 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

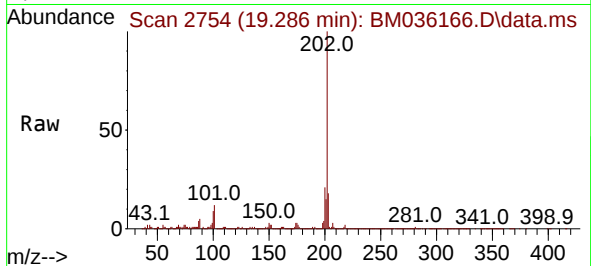
Tgt Ion:178 Resp: 517874
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 12.048 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

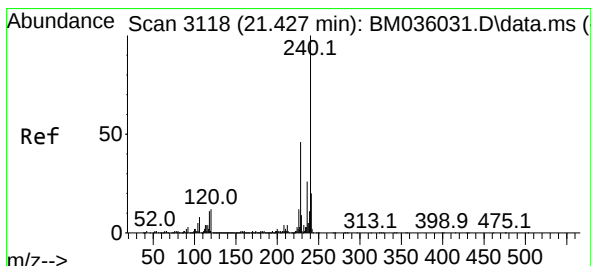
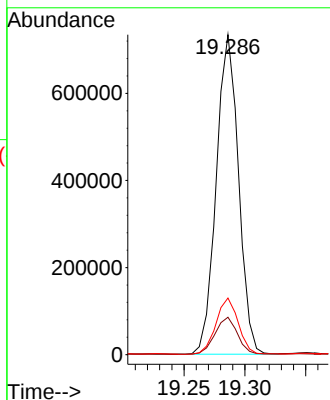
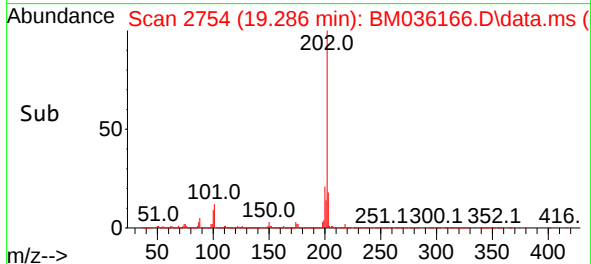
Instrument :
BNA_M
ClientSampleId :
RVE-224



Tgt Ion:202 Resp: 933789
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.6
203 17.7 0.0 37.4

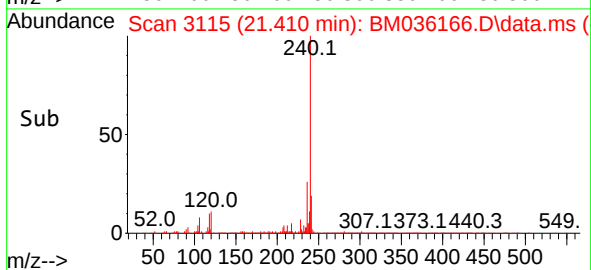
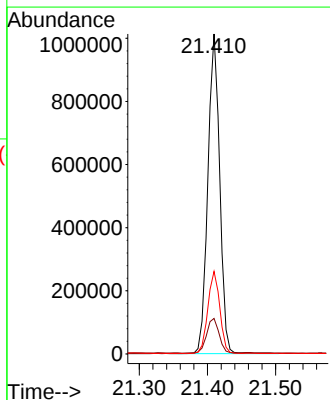
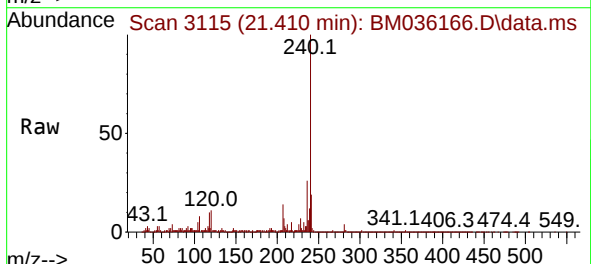
Manual Integrations
APPROVED

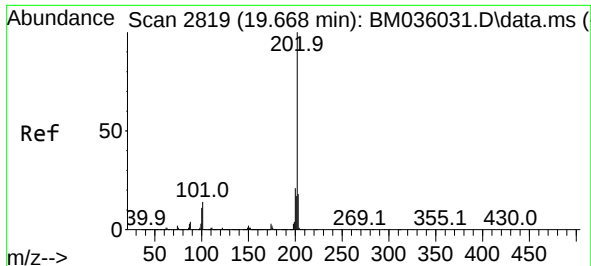
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3115
Delta R.T. -0.011 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

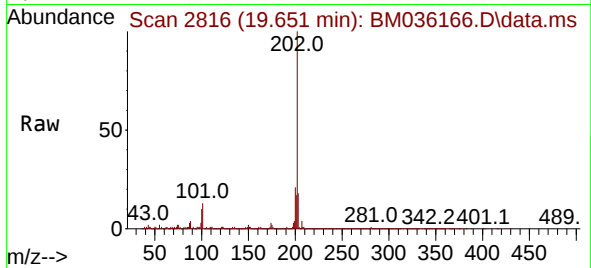
Tgt Ion:240 Resp: 1221778
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.0
236 25.8 20.6 30.8





#78
Pyrene
Concen: 13.054 ng
RT: 19.651 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

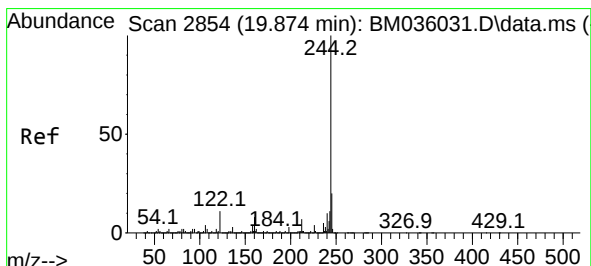
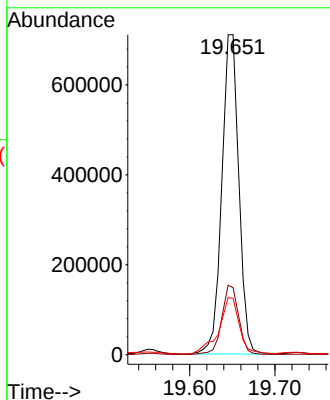
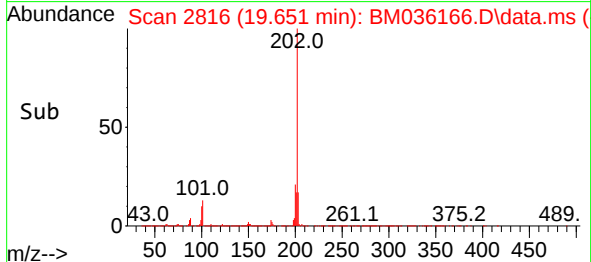
Instrument :
BNA_M
ClientSampleId :
RVE-224



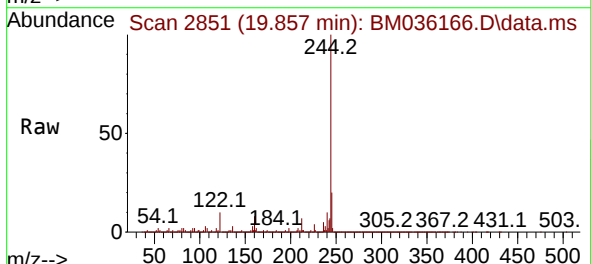
Tgt Ion:202 Resp: 988970
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.6 13.9 20.9

Manual Integrations
APPROVED

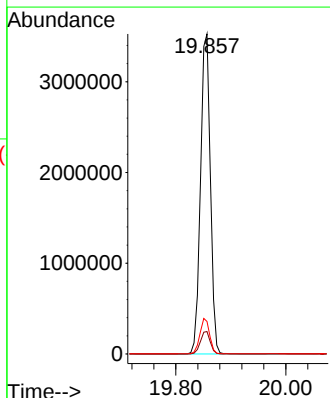
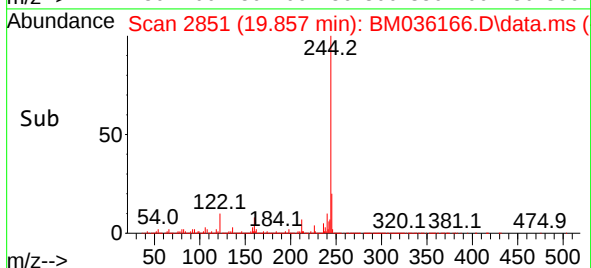
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

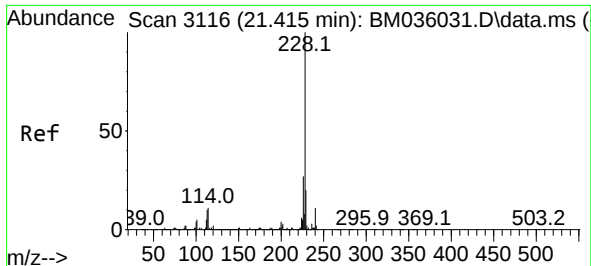


#79
Terphenyl-d14
Concen: 70.892 ng
RT: 19.857 min Scan# 2851
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35



Tgt Ion:244 Resp: 4391233
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 10.1 8.3 12.5





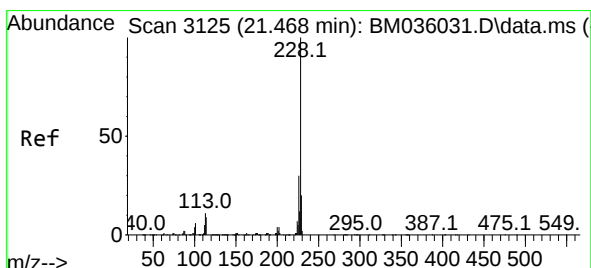
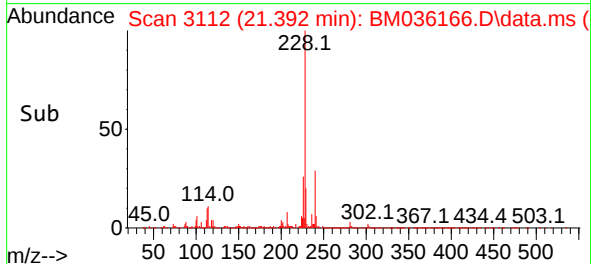
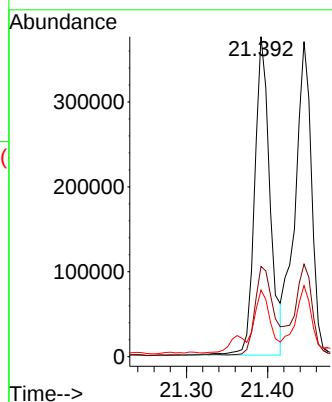
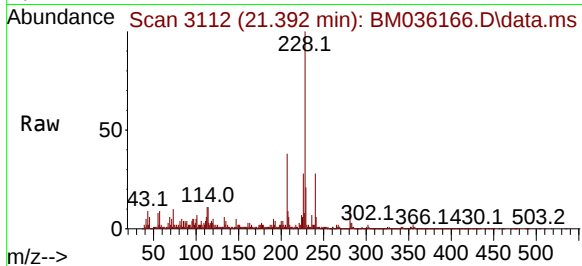
#81
Benzo(a)anthracene
Concen: 6.544 ng
RT: 21.392 min Scan# 3116
Delta R.T. -0.011 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

Instrument :
BNA_M
ClientSampleId :
RVE-224

Tgt Ion:228 Resp: 492469
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.8 15.8 23.6

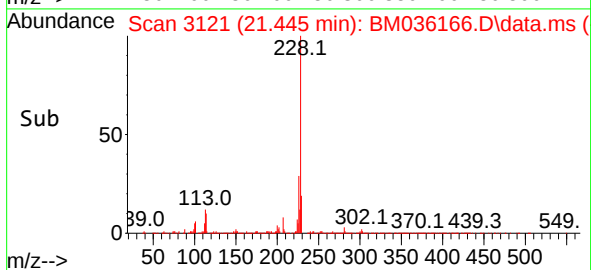
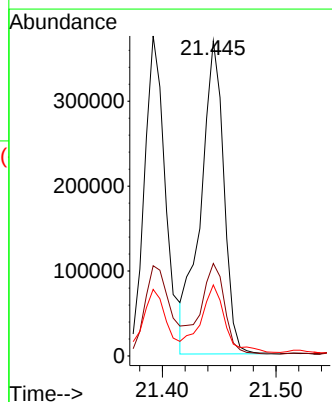
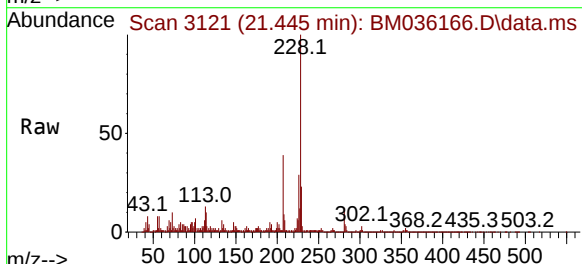
Manual Integrations
APPROVED

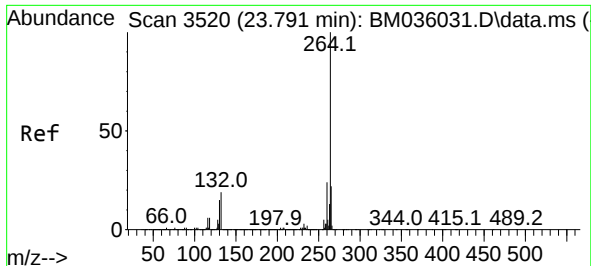
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#83
Chrysene
Concen: 7.294 ng
RT: 21.445 min Scan# 3121
Delta R.T. -0.011 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

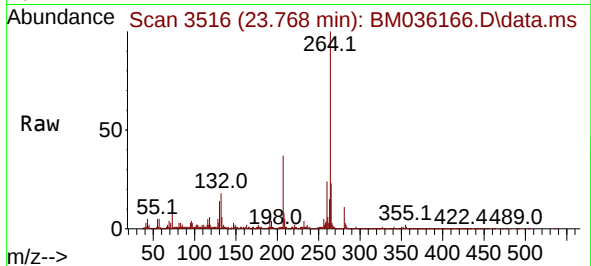
Tgt Ion:228 Resp: 521767
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 22.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 3516
Delta R.T. -0.005 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

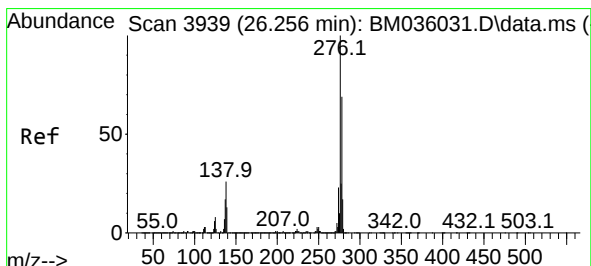
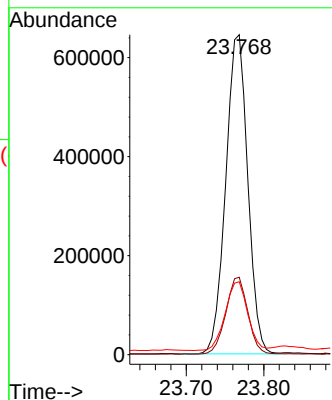
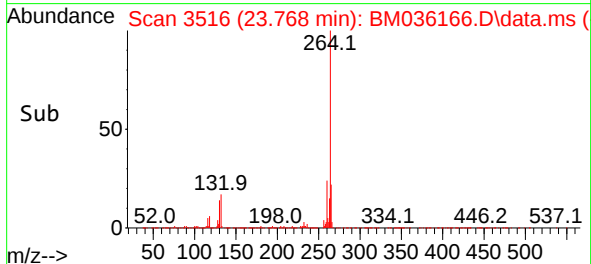
Instrument :
BNA_M
ClientSampleId :
RVE-224



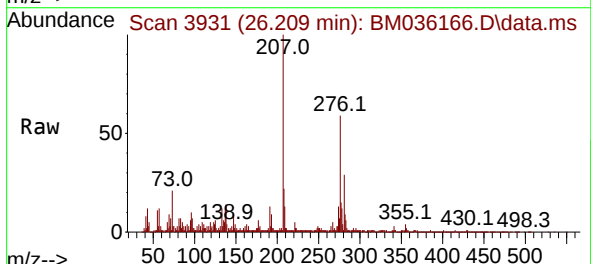
Tgt Ion:264 Resp: 127628
Ion Ratio Lower Upper
264 100
260 24.2 18.9 28.3
265 22.8 17.5 26.3

Manual Integrations
APPROVED

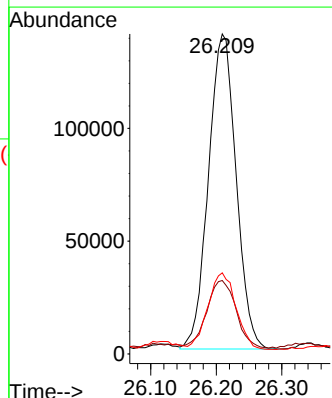
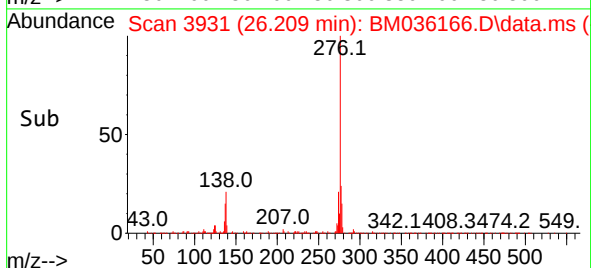
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

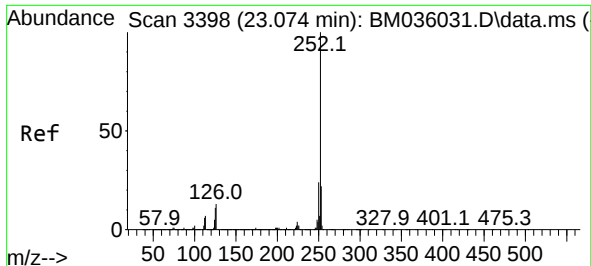


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.568 ng
RT: 26.209 min Scan# 3931
Delta R.T. -0.023 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35



Tgt Ion:276 Resp: 409675
Ion Ratio Lower Upper
276 100
138 22.6 20.2 30.4
277 24.6 20.2 30.2





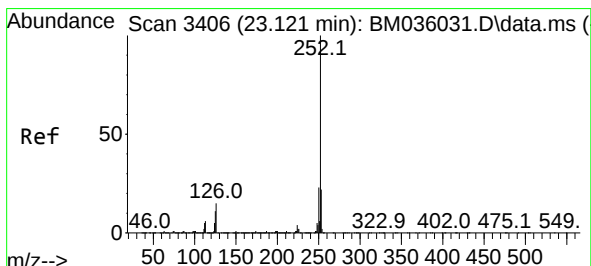
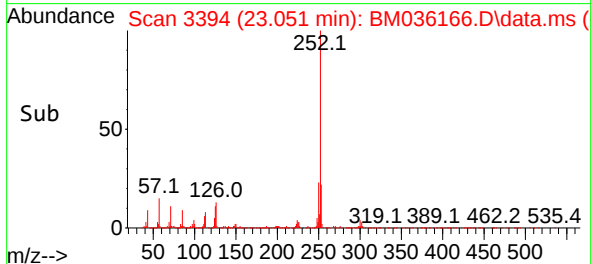
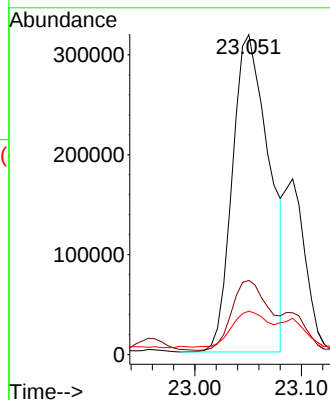
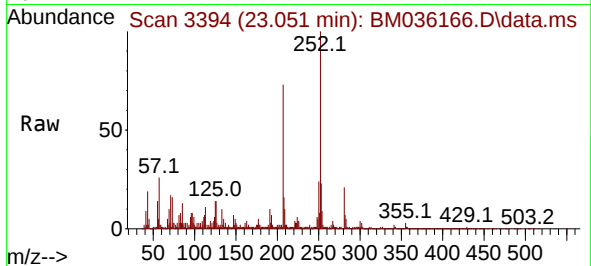
#88
Benzo(b)fluoranthene
Concen: 10.180 ng
RT: 23.051 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

Instrument :
BNA_M
ClientSampleId :
RVE-224

Tgt Ion:252 Resp: 761198
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.6 7.6 11.4

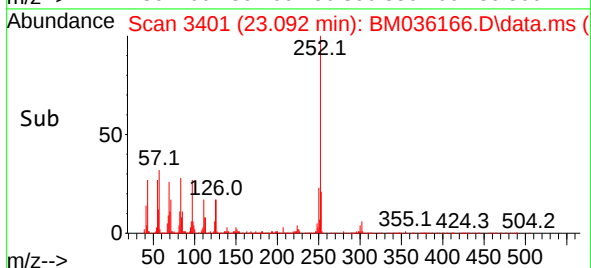
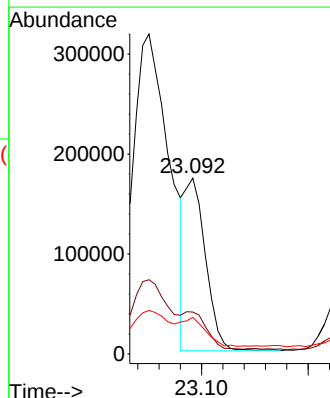
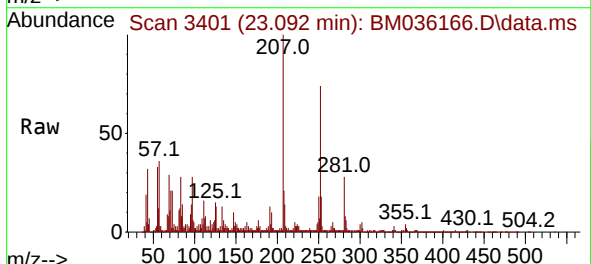
Manual Integrations
APPROVED

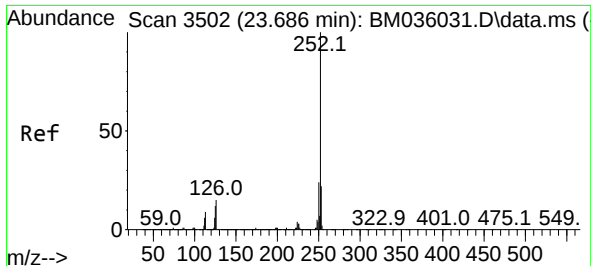
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 3.111 ng m
RT: 23.092 min Scan# 3401
Delta R.T. -0.017 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

Tgt Ion:252 Resp: 234935
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 20.8 7.6 11.4





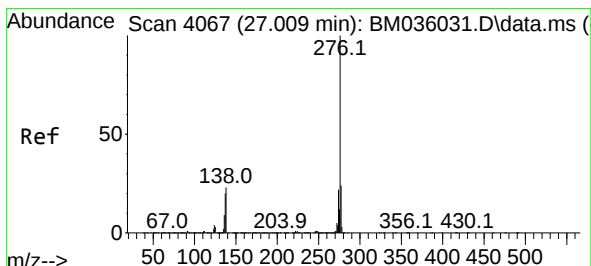
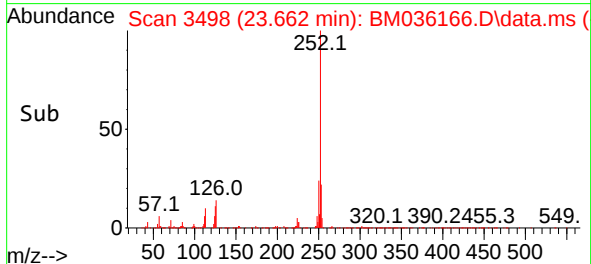
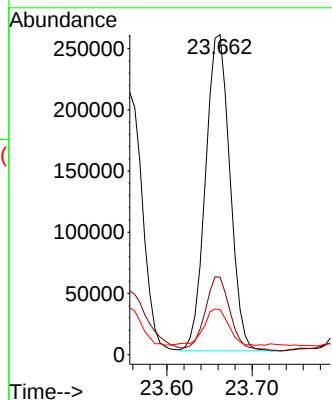
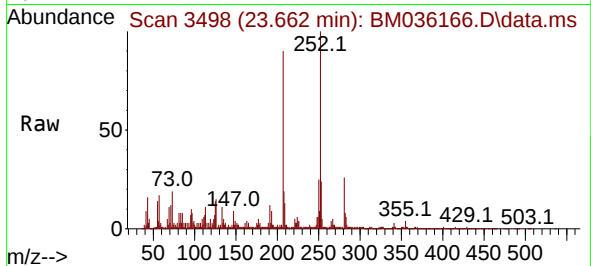
#90
Benzo(a)pyrene
Concen: 8.186 ng
RT: 23.662 min Scan# 34
Delta R.T. -0.011 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

Instrument :
BNA_M
ClientSampleId :
RVE-224

Tgt Ion:252 Resp: 51358
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 14.1 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#92
Benzo(g,h,i)perylene
Concen: 6.002 ng
RT: 26.962 min Scan# 4059
Delta R.T. -0.029 min
Lab File: BM036166.D
Acq: 09 Aug 2022 04:35

Tgt Ion:276 Resp: 436210
Ion Ratio Lower Upper
276 100
277 25.7 18.7 28.1
138 22.6 17.6 26.4

