

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036106.D
 Acq On : 04 Aug 2022 19:44
 Operator : CG/JU
 Sample : N3931-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-124

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/05/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 05 03:40:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 03:36:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	401801	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1766783	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	1080338	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2134846	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1397391	20.000	ng	0.00
86) Perylene-d12	23.786	264	1286897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2336769	94.288	ng	0.00
7) Phenol-d6	7.040	99	3040629	96.421	ng	0.00
23) Nitrobenzene-d5	9.028	82	1902161	60.266	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1225260	96.677	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	4410078	60.272	ng	0.00
79) Terphenyl-d14	19.868	244	5713804	80.651	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.221	152	263411	2.828	ng	99
71) Phenanthrene	17.286	178	489327	4.499	ng	99
75) Fluoranthene	19.298	202	869150	7.139	ng	98
78) Pyrene	19.662	202	1049004	12.106	ng	100
81) Benzo(a)anthracene	21.403	228	458148	5.323	ng	96
83) Chrysene	21.456	228	494517	6.044	ng	98
87) Indeno(1,2,3-cd)pyrene	26.232	276	341162	3.772	ng	98
88) Benzo(b)fluoranthene	23.068	252	624002m	8.276	ng	
89) Benzo(k)fluoranthene	23.109	252	196355m	2.578	ng	
90) Benzo(a)pyrene	23.680	252	472045	7.462	ng	# 96
92) Benzo(g,h,i)perylene	26.997	276	401002	5.472	ng	97

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

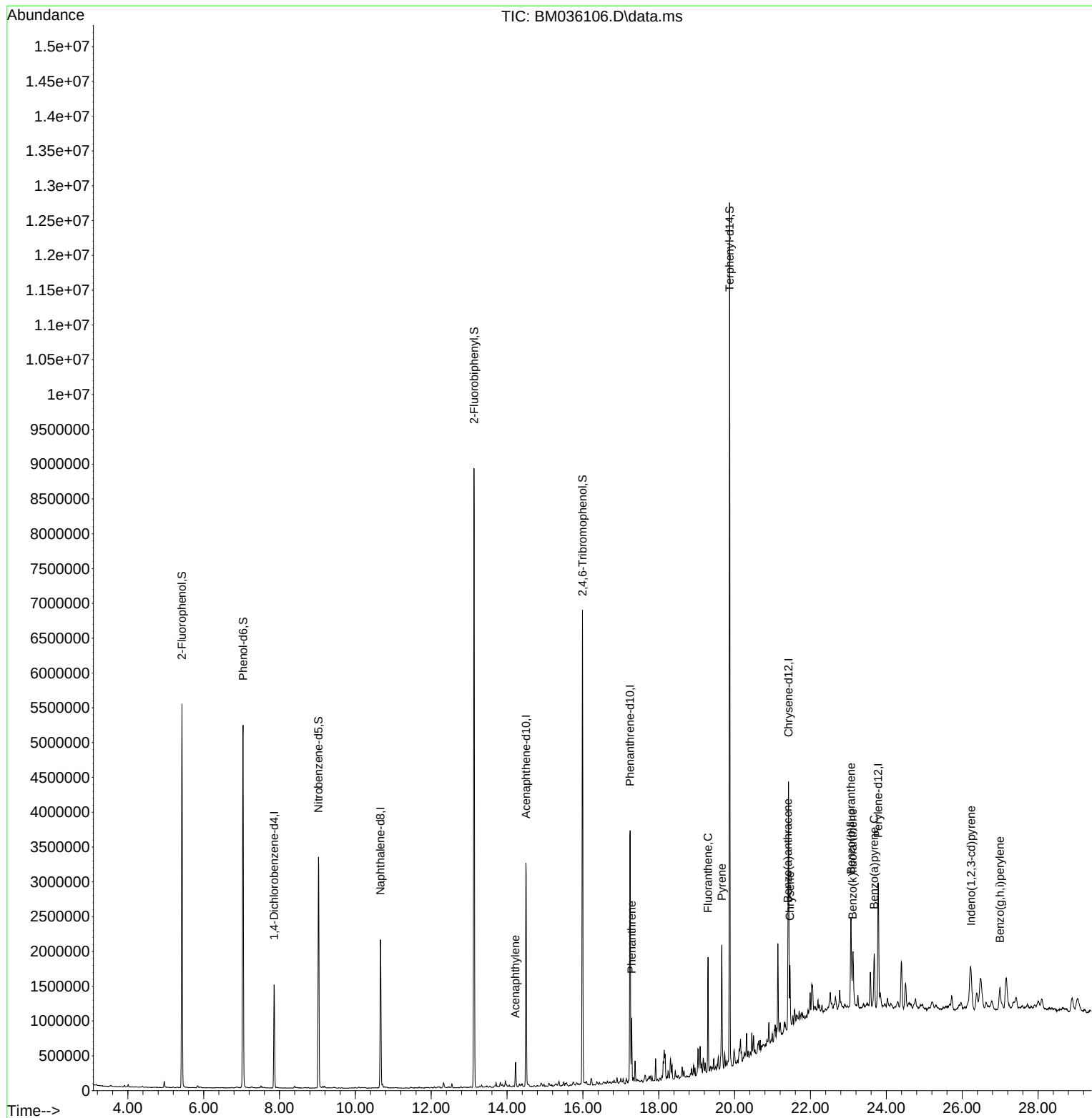
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
Data File : BM036106.D
Acq On : 04 Aug 2022 19:44
Operator : CG/JU
Sample : N3931-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

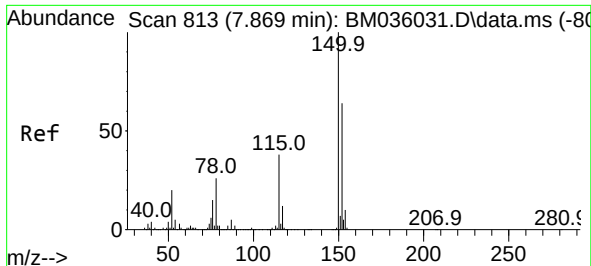
Instrument :
BNA_M
ClientSampleId :
RVE-124

Quant Time: Aug 05 03:40:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 03:36:25 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/05/2022
Supervised By : Jagrut Upadhyay 08/05/2022





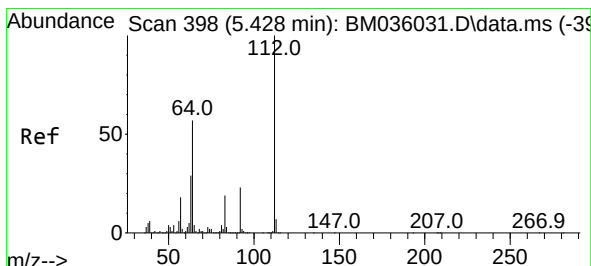
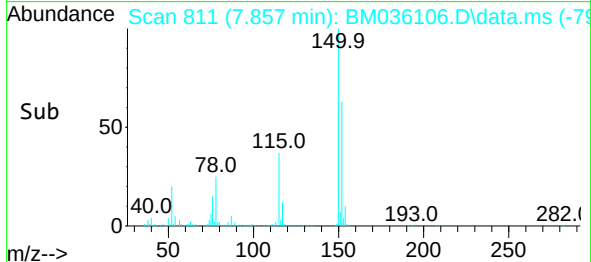
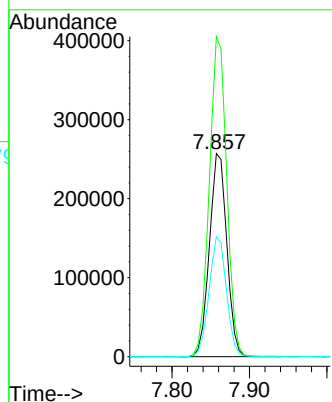
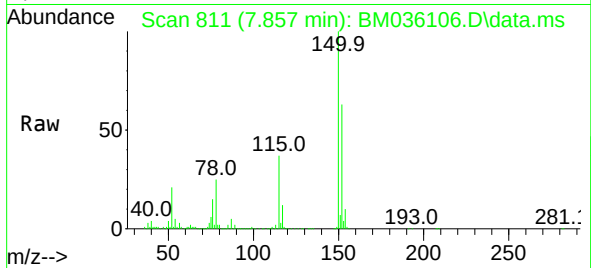
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

Instrument :
BNA_M
ClientSampleId :
RVE-124

Tgt Ion:152 Resp: 40180
Ion Ratio Lower Upper
152 100
150 157.5 124.9 187.3
115 59.0 47.9 71.9

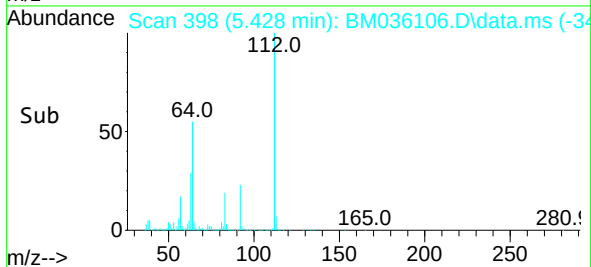
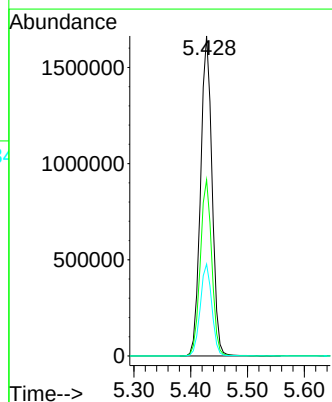
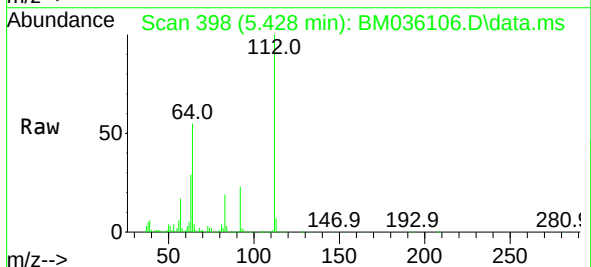
Manual Integrations
APPROVED

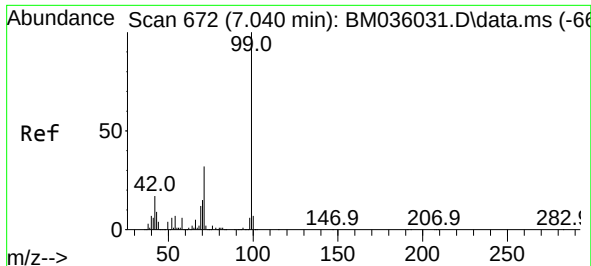
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 94.288 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

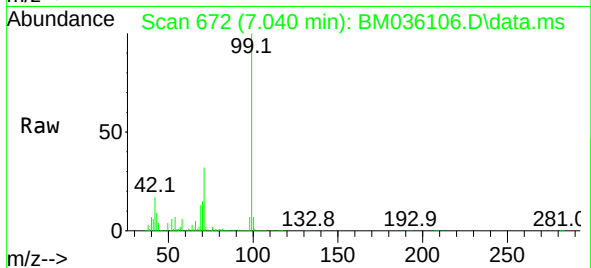
Tgt Ion:112 Resp: 2336769
Ion Ratio Lower Upper
112 100
64 55.0 47.8 71.6
63 28.7 26.6 40.0





#7
Phenol-d6
Concen: 96.421 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

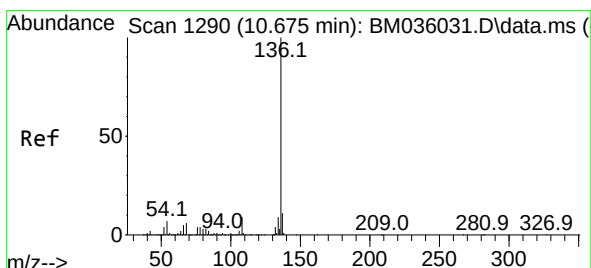
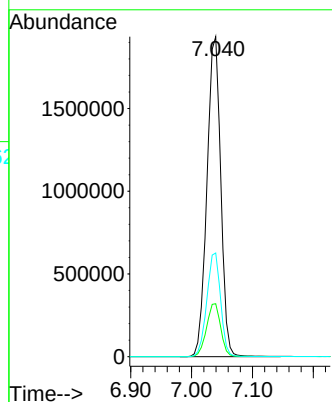
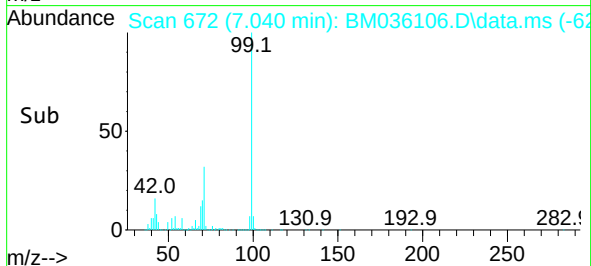
Instrument :
BNA_M
ClientSampleId :
RVE-124



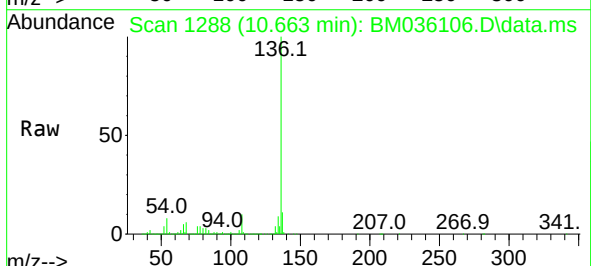
Tgt Ion: 99 Resp: 3040629
Ion Ratio Lower Upper
99 100
42 16.6 18.8 28.2
71 32.4 30.2 45.2

Manual Integrations
APPROVED

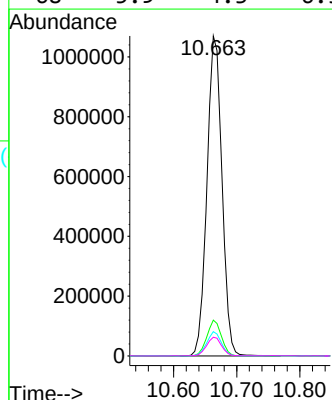
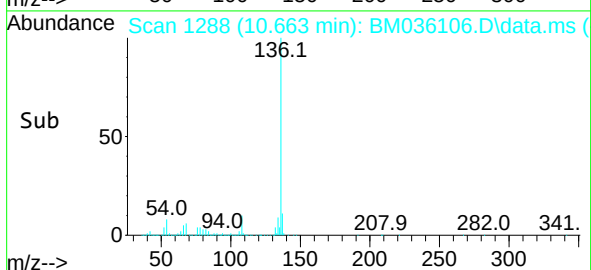
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

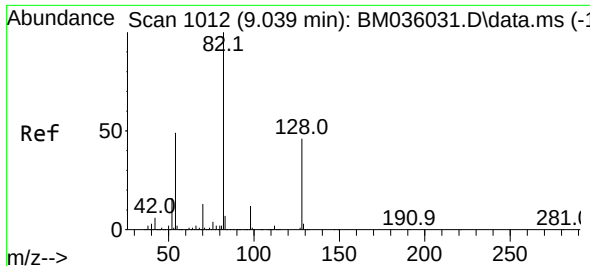


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



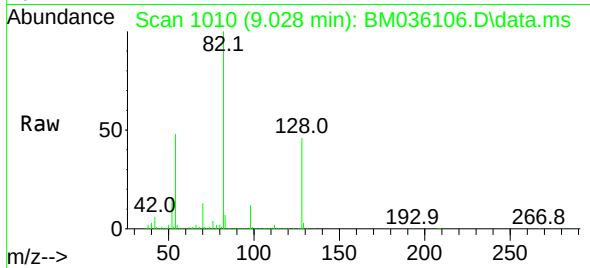
Tgt Ion:136 Resp: 1766783
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 60.266 ng
RT: 9.028 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

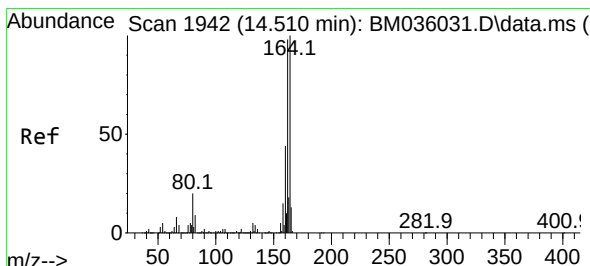
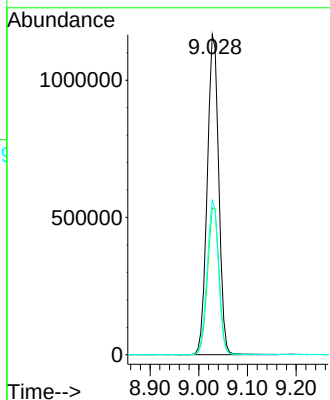
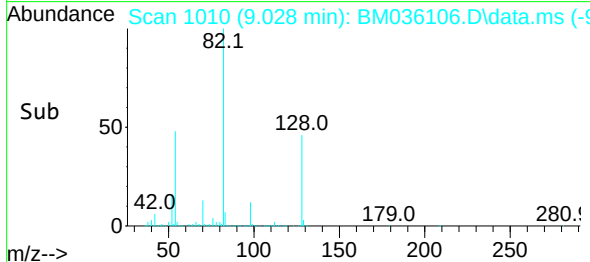
Instrument :
BNA_M
ClientSampleId :
RVE-124



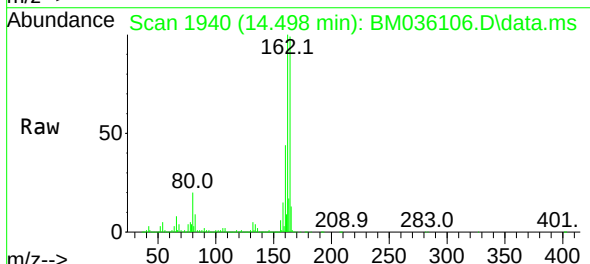
Tgt Ion: 82 Resp: 190216
Ion Ratio Lower Upper
82 100
128 45.9 33.7 50.5
54 48.2 43.2 64.8

Manual Integrations
APPROVED

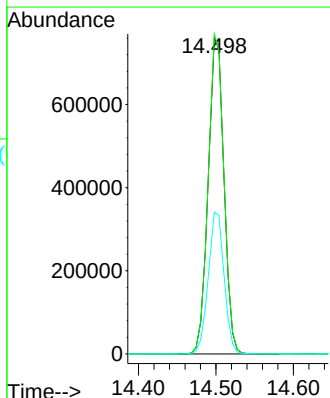
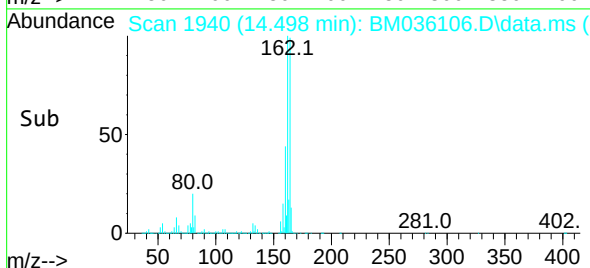
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

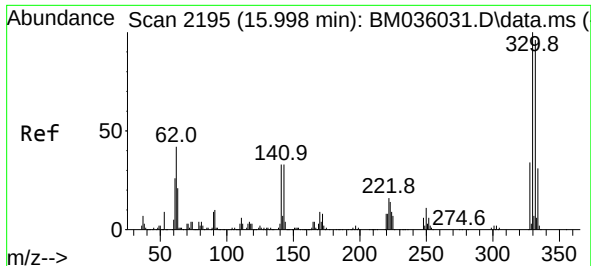


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



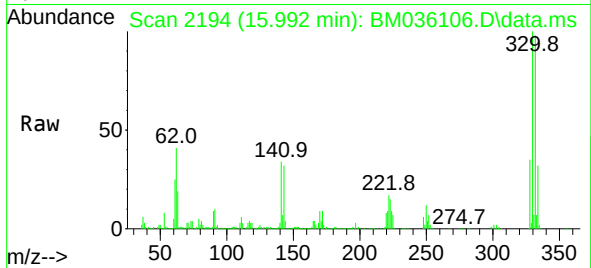
Tgt Ion:164 Resp: 1080338
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.6
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 96.677 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

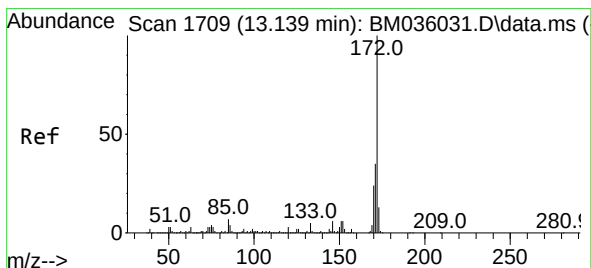
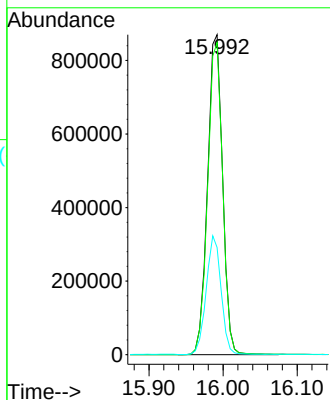
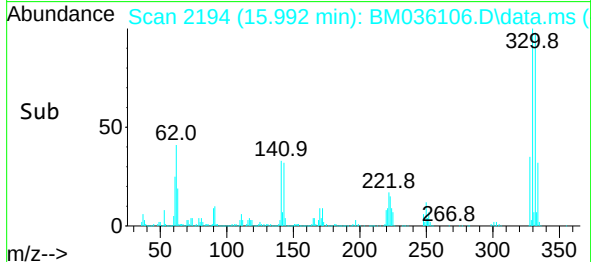
Instrument :
BNA_M
ClientSampleId :
RVE-124



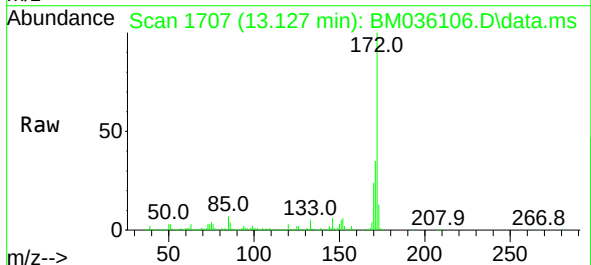
Tgt Ion:330 Resp: 1225260
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.4
141 36.8 35.3 52.9

Manual Integrations
APPROVED

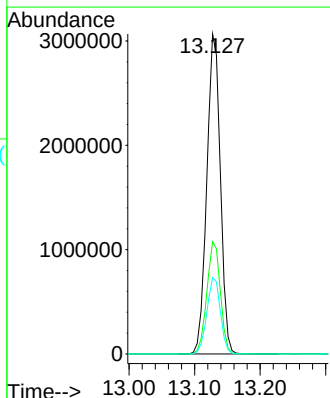
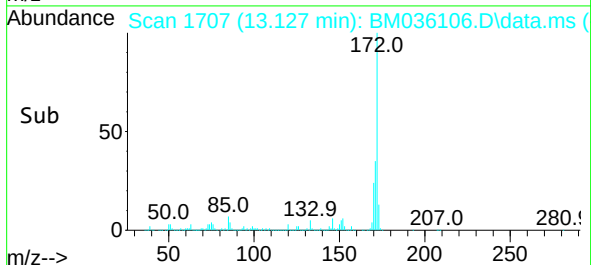
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

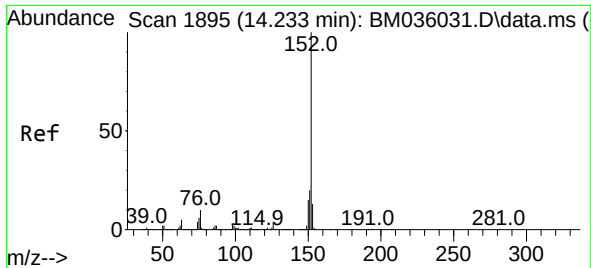


#45
2-Fluorobiphenyl
Concen: 60.272 ng
RT: 13.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



Tgt Ion:172 Resp: 4410078
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.9 18.7 28.1





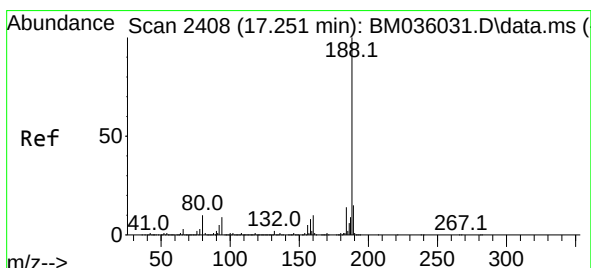
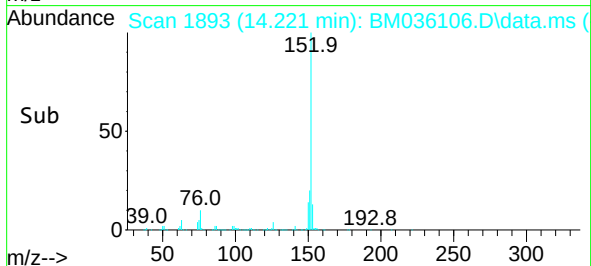
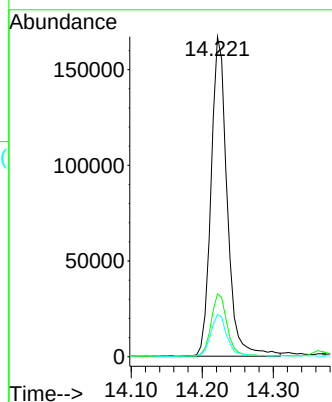
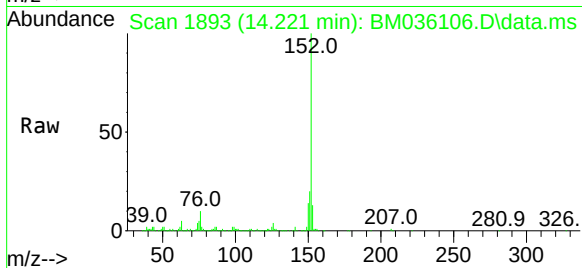
#49
Acenaphthylene
Concen: 2.828 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

Instrument :
BNA_M
ClientSampleId :
RVE-124

Tgt Ion:152 Resp: 26341
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.2 10.5 15.7

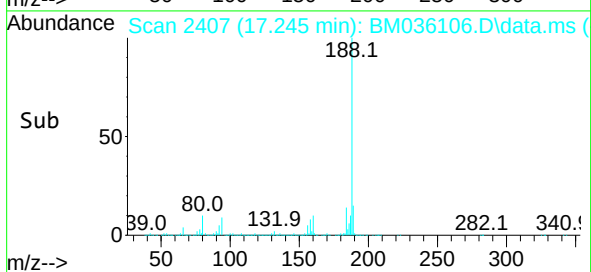
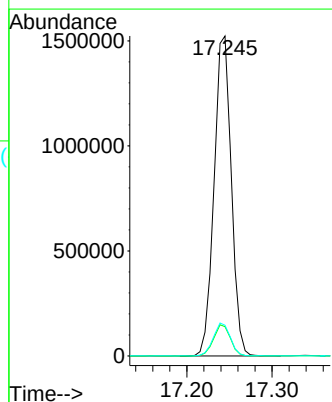
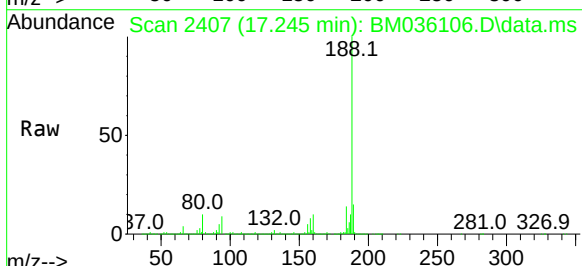
Manual Integrations
APPROVED

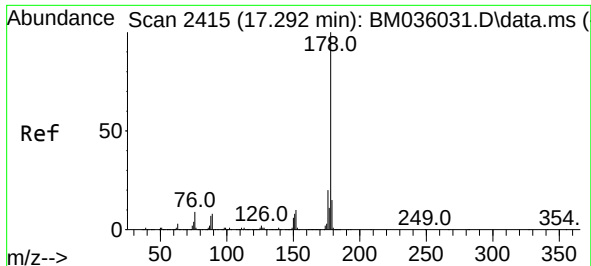
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

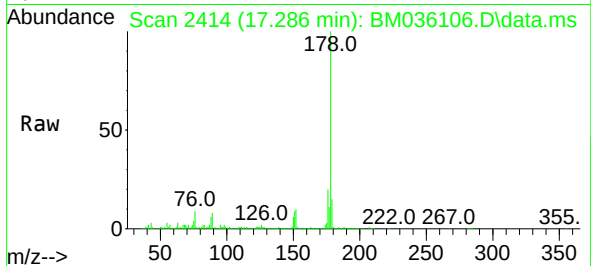
Tgt Ion:188 Resp: 2134846
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.6 7.6 11.4





#71
Phenanthrene
Concen: 4.499 ng
RT: 17.286 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

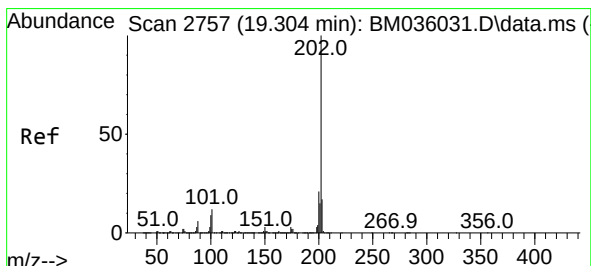
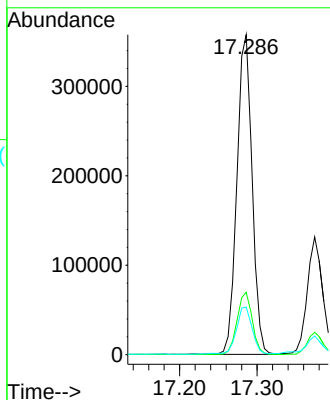
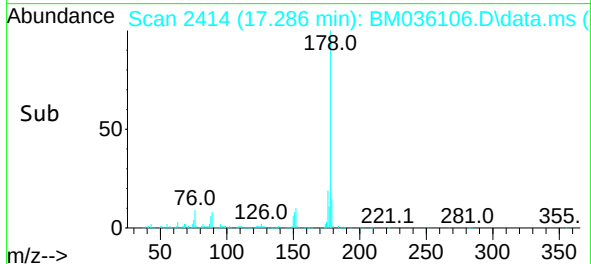
Instrument :
BNA_M
ClientSampleId :
RVE-124



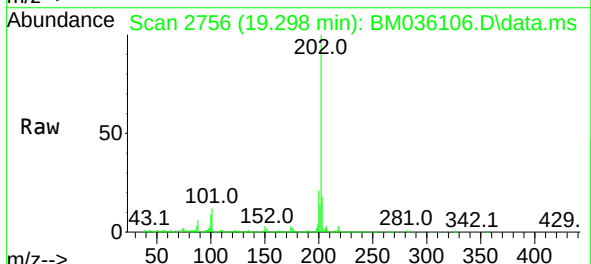
Tgt Ion:178 Resp: 48932
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 14.9 12.4 18.6

Manual Integrations
APPROVED

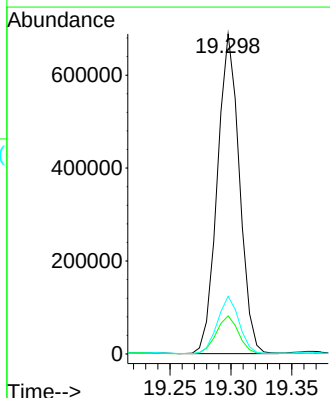
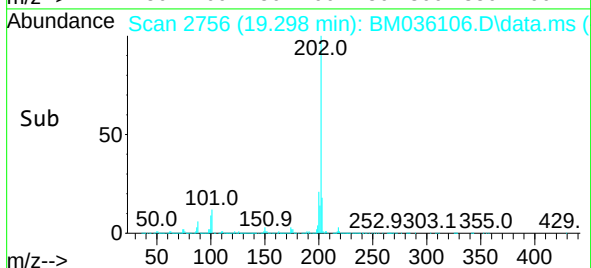
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

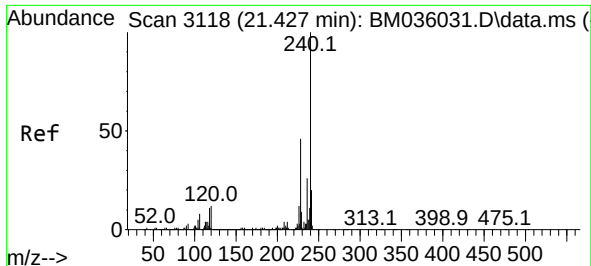


#75
Fluoranthene
Concen: 7.139 ng
RT: 19.298 min Scan# 2756
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



Tgt Ion:202 Resp: 869150
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.6
203 18.0 0.0 37.4





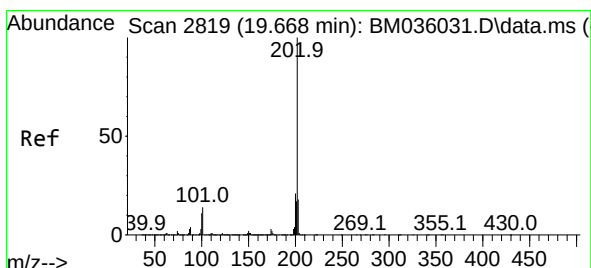
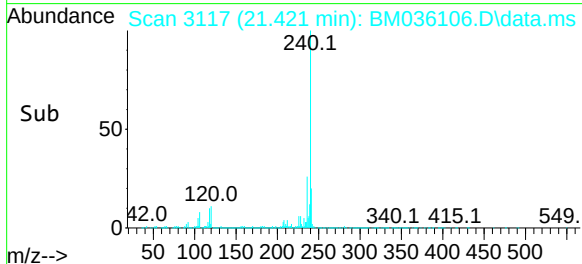
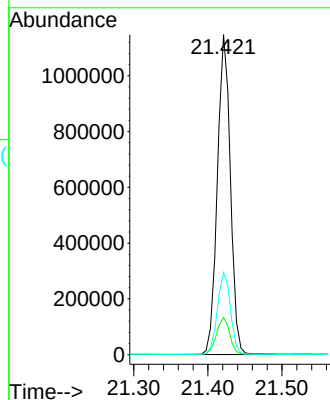
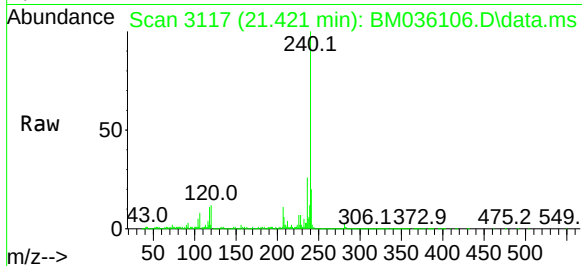
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

Instrument :
BNA_M
ClientSampleId :
RVE-124

Tgt Ion:240 Resp: 139739
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.0
236 25.7 20.6 30.8

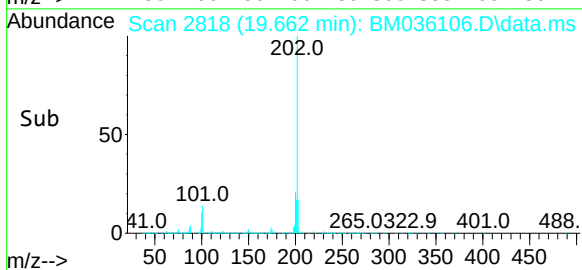
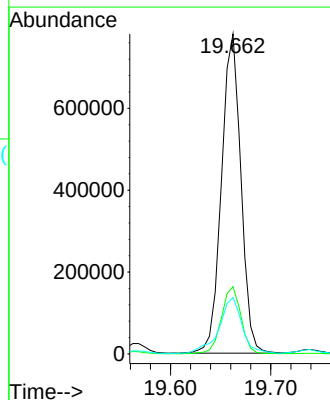
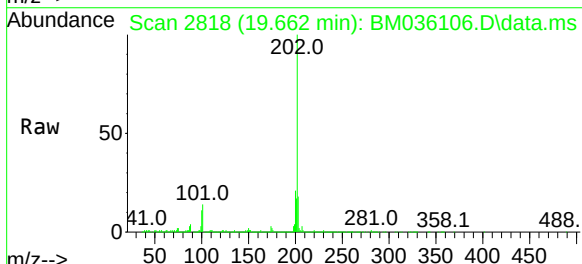
Manual Integrations
APPROVED

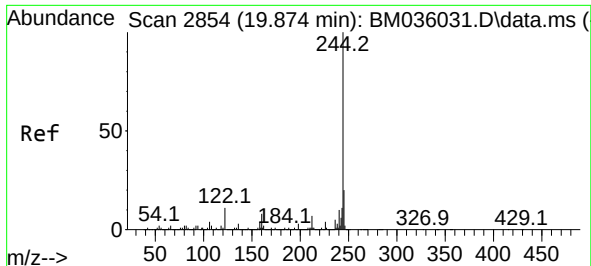
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#78
Pyrene
Concen: 12.106 ng
RT: 19.662 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

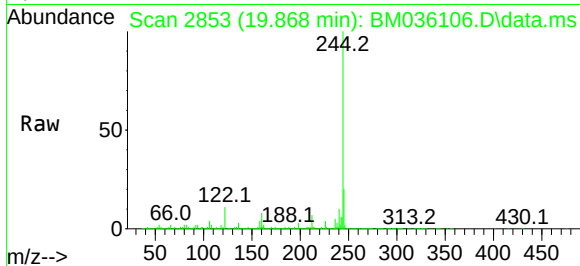
Tgt Ion:202 Resp: 1049004
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.6 13.9 20.9





#79
Terphenyl-d14
Concen: 80.651 ng
RT: 19.868 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

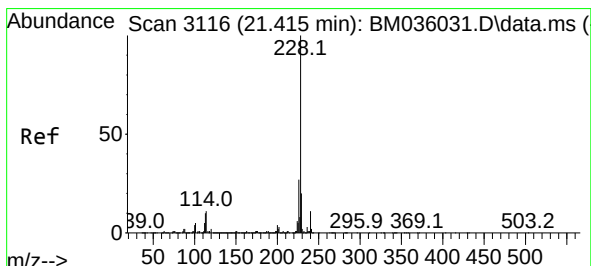
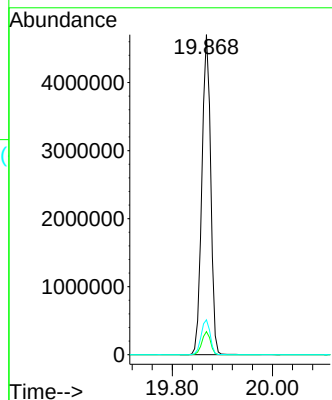
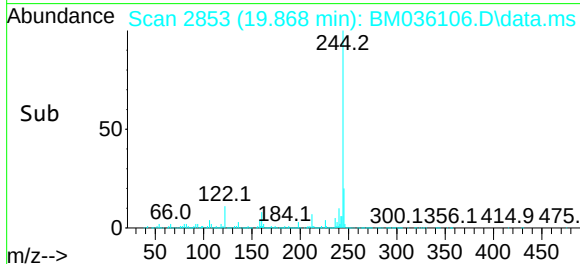
Instrument :
BNA_M
ClientSampleId :
RVE-124



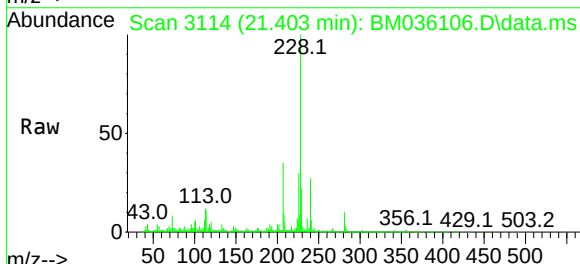
Tgt Ion:244 Resp: 571380
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 10.9 8.3 12.5

Manual Integrations
APPROVED

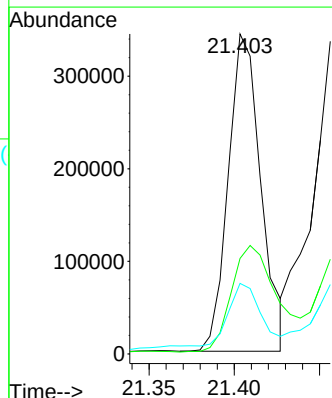
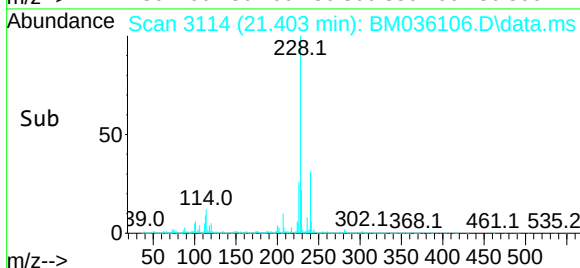
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

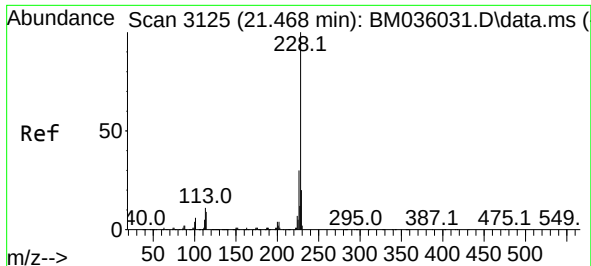


#81
Benzo(a)anthracene
Concen: 5.323 ng
RT: 21.403 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



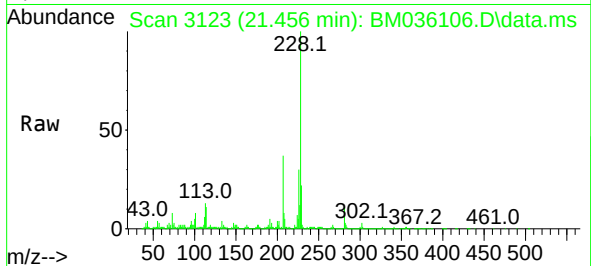
Tgt Ion:228 Resp: 458148
Ion Ratio Lower Upper
228 100
226 29.8 22.3 33.5
229 22.0 15.8 23.6





#83
Chrysene
Concen: 6.044 ng
RT: 21.456 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

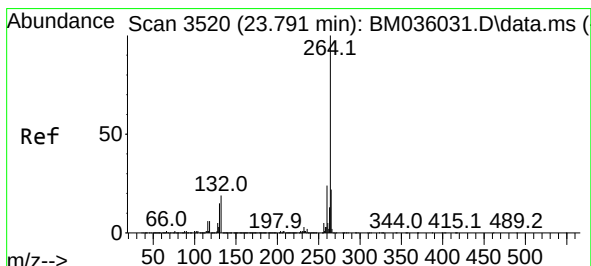
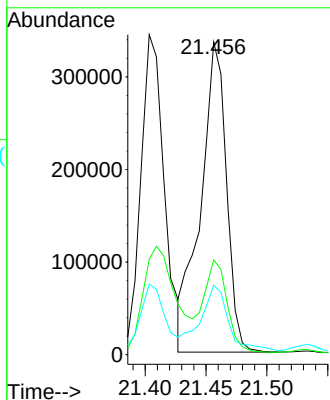
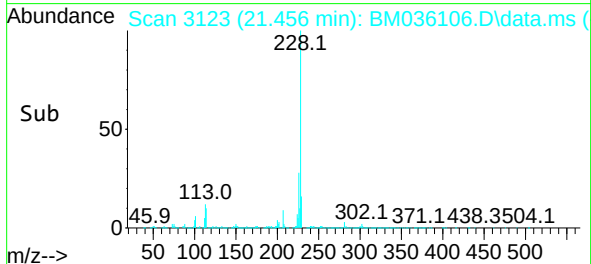
Instrument :
BNA_M
ClientSampleId :
RVE-124



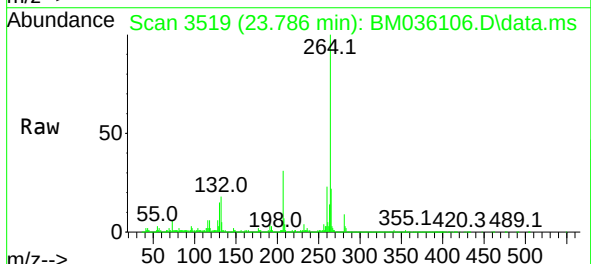
Tgt Ion:228 Resp: 49451
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.2 15.8 23.8

Manual Integrations
APPROVED

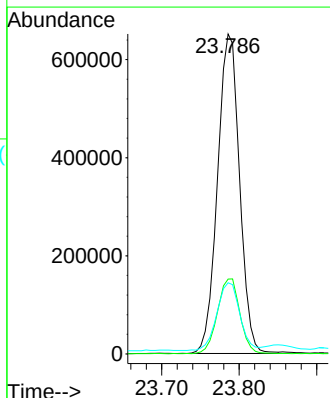
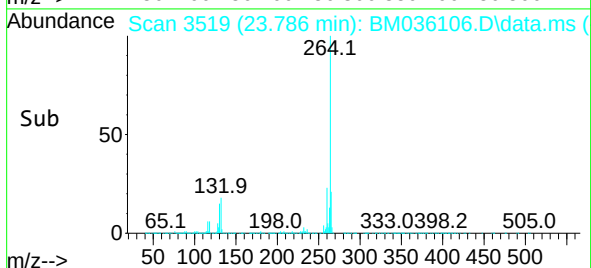
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

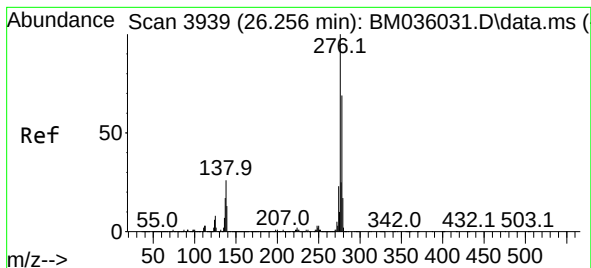


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.786 min Scan# 3519
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44



Tgt Ion:264 Resp: 1286897
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 22.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.772 ng

RT: 26.232 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BM036106.D

Acq: 04 Aug 2022 19:44

Instrument :

BNA_M

ClientSampleId :

RVE-124

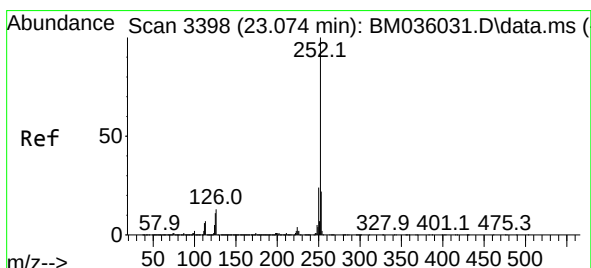
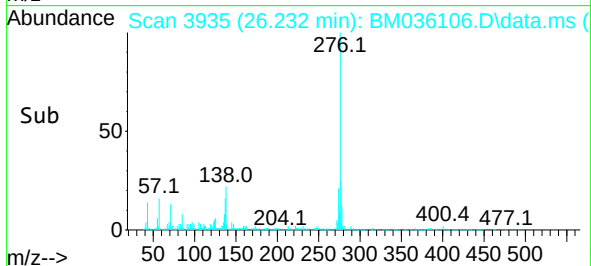
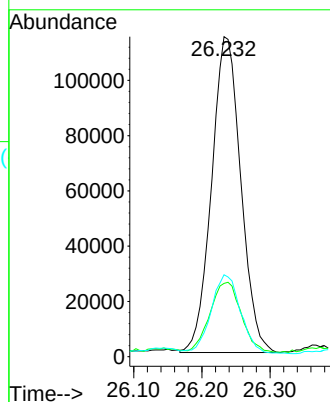
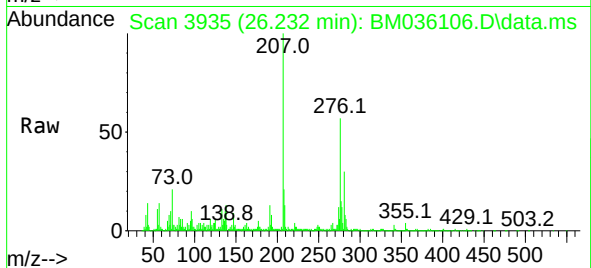
Tgt Ion:	276	Resp:	34116
Ion Ratio	Lower	Upper	
276	100		
138	23.5	20.2	30.4
277	25.2	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#88

Benzo(b)fluoranthene

Concen: 8.276 ng m

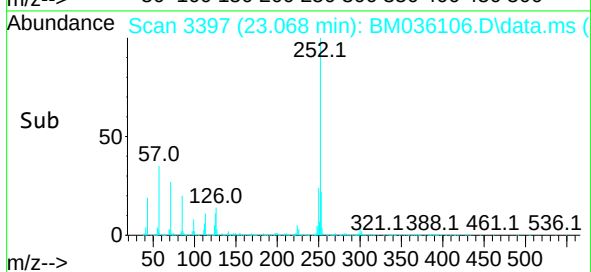
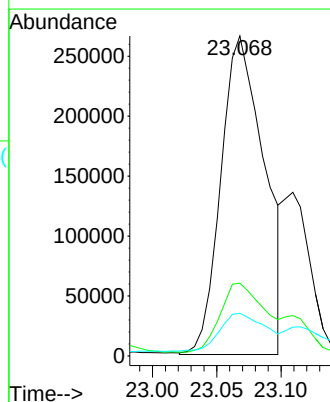
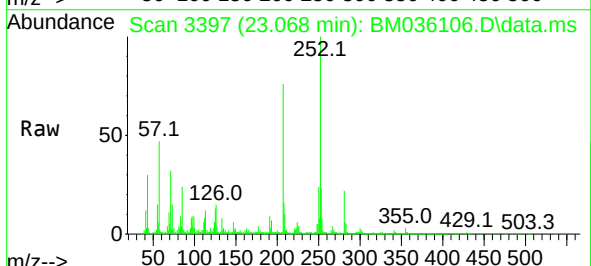
RT: 23.068 min Scan# 3397

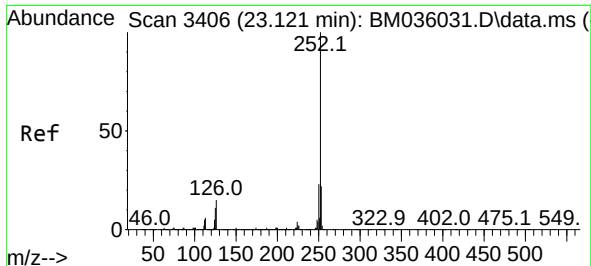
Delta R.T. 0.000 min

Lab File: BM036106.D

Acq: 04 Aug 2022 19:44

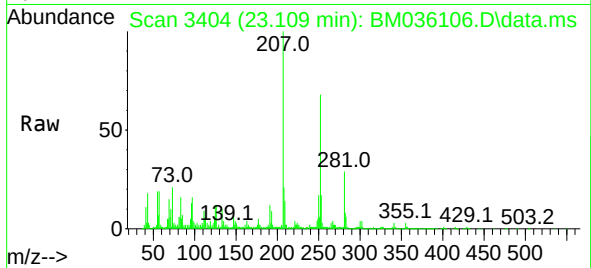
Tgt Ion:	252	Resp:	62400
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	13.4	7.6	11.4





#89
Benzo(k)fluoranthene
Concen: 2.578 ng m
RT: 23.109 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

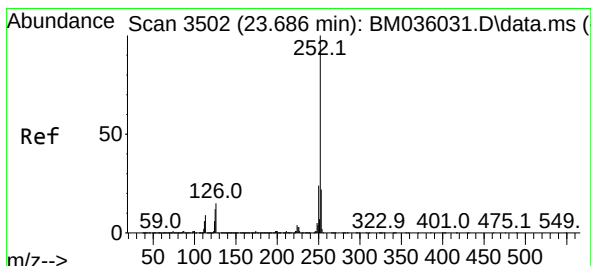
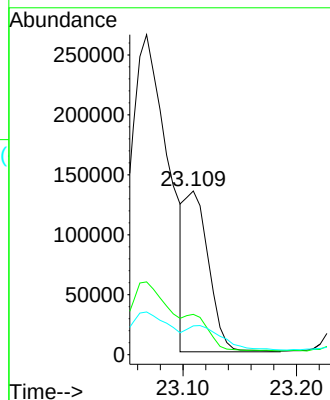
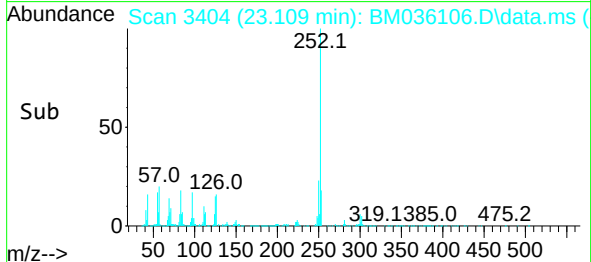
Instrument :
BNA_M
ClientSampleId :
RVE-124



Tgt Ion:252 Resp: 19635
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 17.6 7.6 11.4

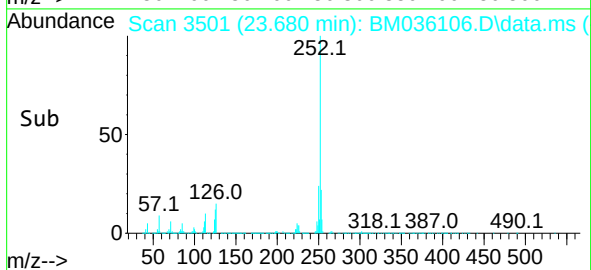
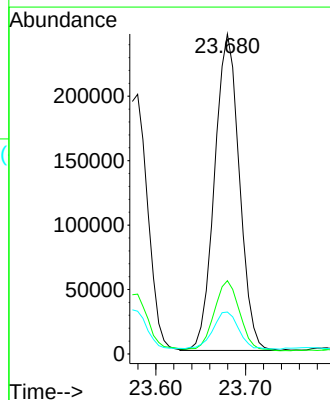
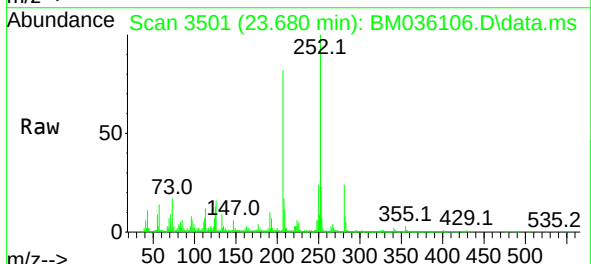
Manual Integrations
APPROVED

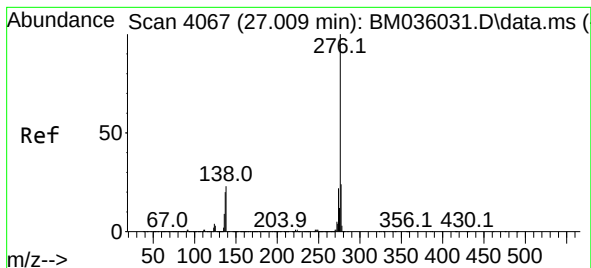
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#90
Benzo(a)pyrene
Concen: 7.462 ng
RT: 23.680 min Scan# 3501
Delta R.T. 0.000 min
Lab File: BM036106.D
Acq: 04 Aug 2022 19:44

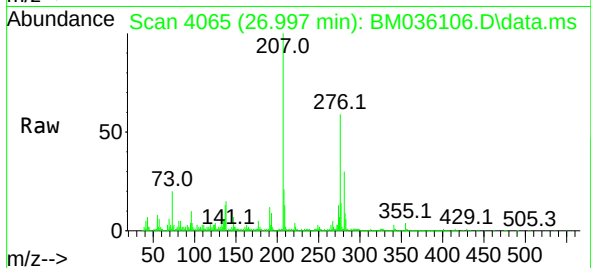
Tgt Ion:252 Resp: 472045
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 13.1 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.472 ng
 RT: 26.997 min Scan# 4065
 Delta R.T. 0.000 min
 Lab File: BM036106.D
 Acq: 04 Aug 2022 19:44

Instrument :
 BNA_M
 ClientSampleId :
 RVE-124



Tgt Ion:	276	Resp:	40100
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.7	28.1
138	24.7	17.6	26.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

