

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036105.D
 Acq On : 04 Aug 2022 19:07
 Operator : CG/JU
 Sample : N3931-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-116

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 03:40:25 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	307544	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1376973	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	878461	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1871963	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1497860	20.000	ng	0.00
86) Perylene-d12	23.786	264	1273715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2521883	132.945	ng	0.00
7) Phenol-d6	7.040	99	3362019	139.288	ng	0.00
23) Nitrobenzene-d5	9.028	82	2041205	82.979	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1527422	148.214	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	4909375	82.514	ng	0.00
79) Terphenyl-d14	19.868	244	7948441	104.668	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.286	178	467189	4.899	ng	100
75) Fluoranthene	19.298	202	971298	9.098	ng	99
78) Pyrene	19.662	202	890741	9.590	ng	100
81) Benzo(a)anthracene	21.403	228	452235	4.902	ng	99
83) Chrysene	21.456	228	471672	5.378	ng	97
88) Benzo(b)fluoranthene	23.068	252	552701	7.406	ng	# 97
89) Benzo(k)fluoranthene	23.109	252	170551m	2.263	ng	
90) Benzo(a)pyrene	23.680	252	329979	5.270	ng	# 95
92) Benzo(g,h,i)perylene	26.991	276	248050	3.420	ng	97

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

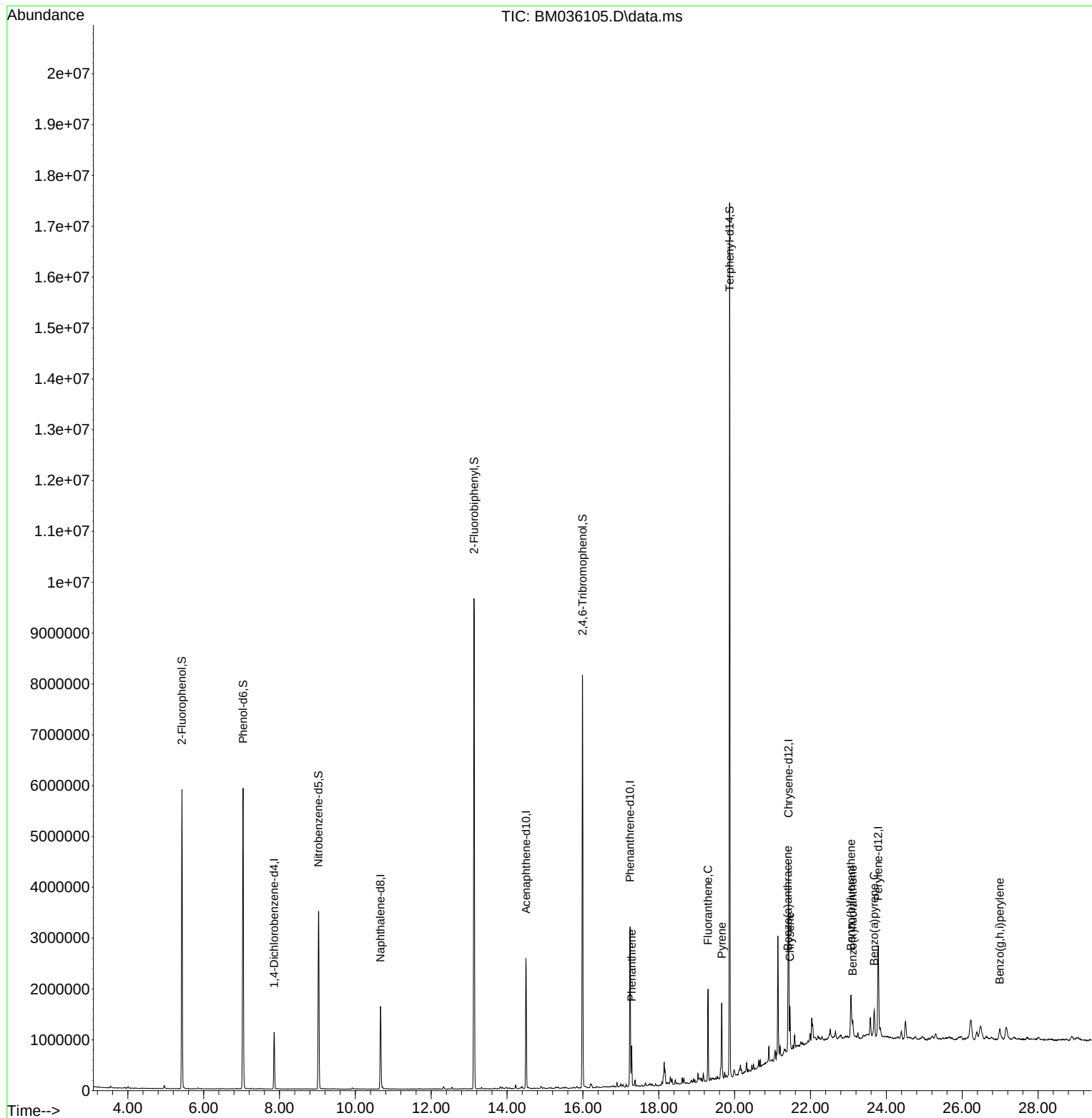
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
Data File : BM036105.D
Acq On : 04 Aug 2022 19:07
Operator : CG/JU
Sample : N3931-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

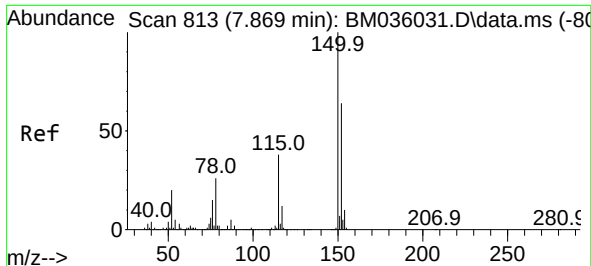
Instrument :
BNA_M
ClientSampleId :
RVE-116

Quant Time: Aug 05 03:40:25 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

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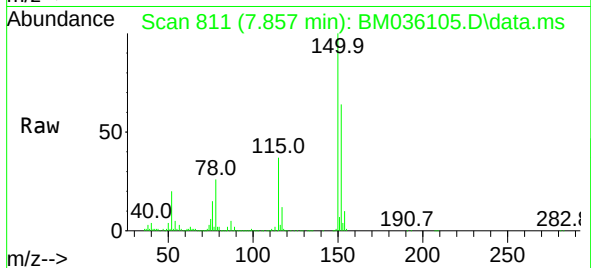
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

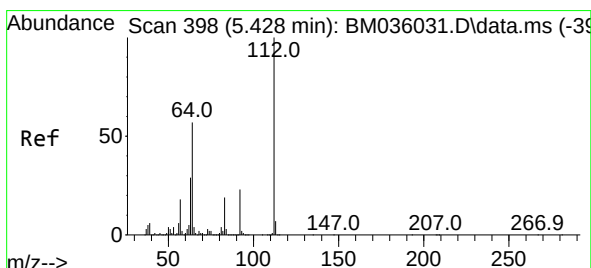
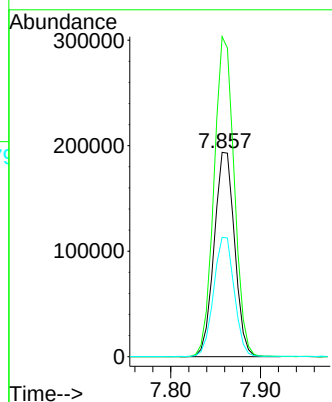
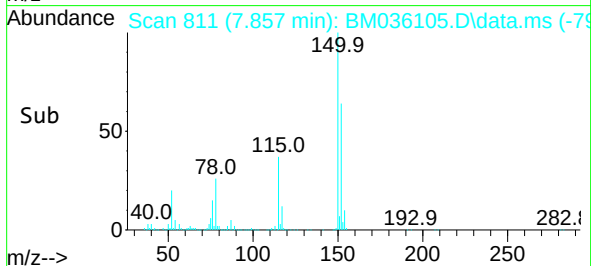
Instrument :
BNA_M
ClientSampleId :
RVE-116



Tgt Ion:152 Resp: 307544
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 58.4 47.9 71.9

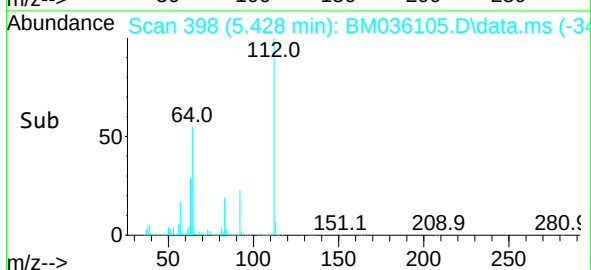
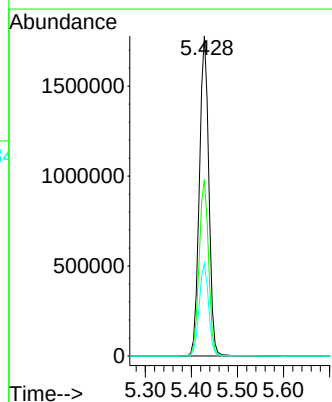
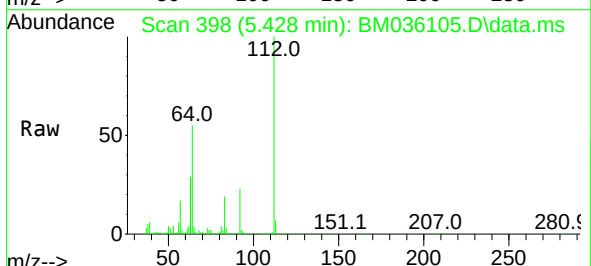
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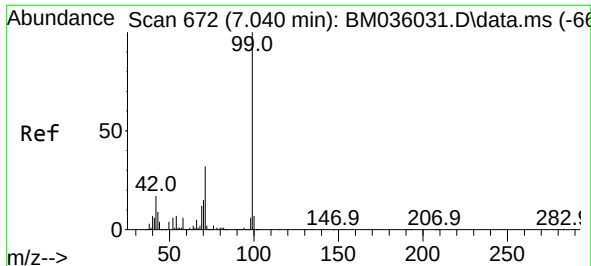
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 132.945 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

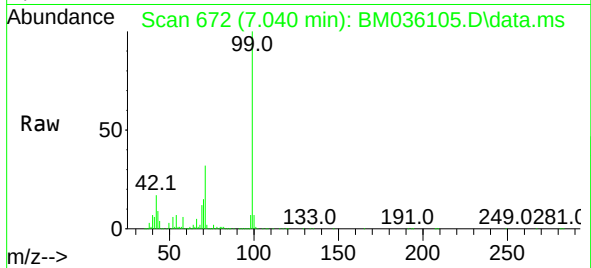
Tgt Ion:112 Resp: 2521883
Ion Ratio Lower Upper
112 100
64 55.1 47.8 71.6
63 28.9 26.6 40.0





#7
Phenol-d6
Concen: 139.288 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

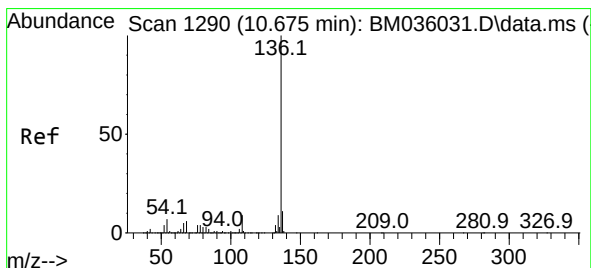
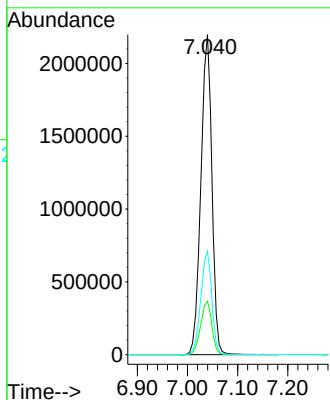
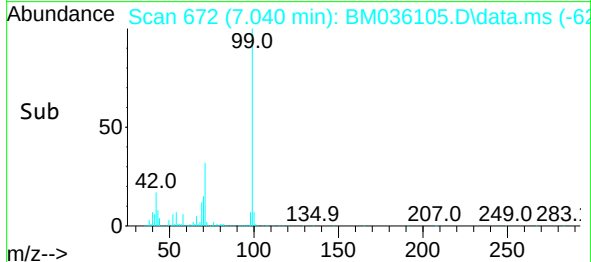
Instrument :
BNA_M
ClientSampleId :
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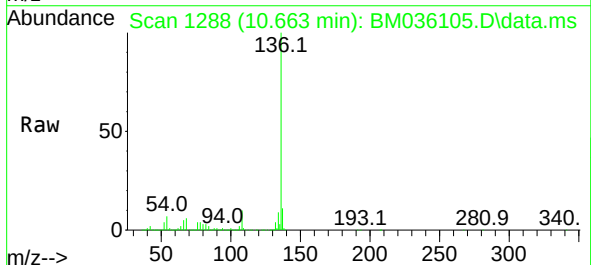
Tgt Ion: 99 Resp: 3362019
Ion Ratio Lower Upper
99 100
42 16.7 18.8 28.2
71 32.4 30.2 45.2

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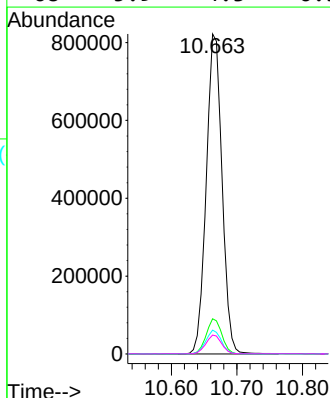
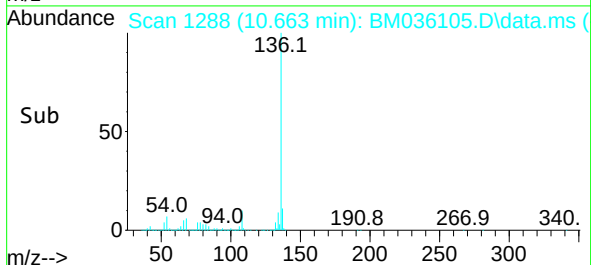
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

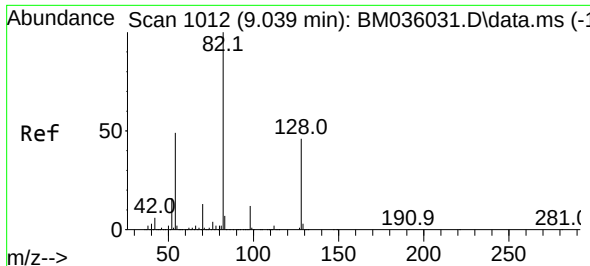


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07



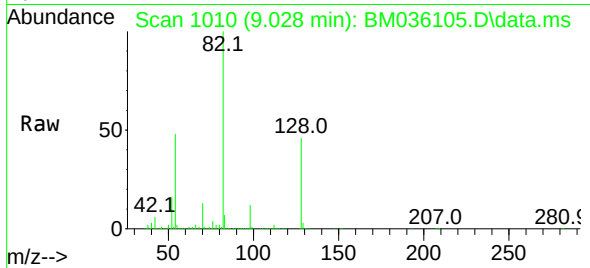
Tgt Ion:136 Resp: 1376973
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 82.979 ng
RT: 9.028 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

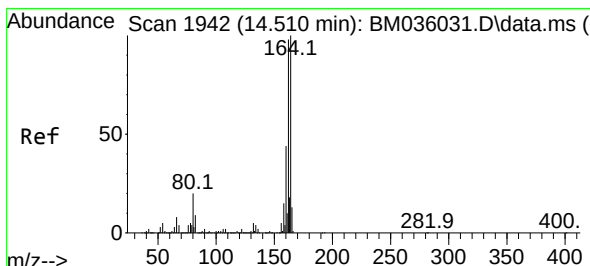
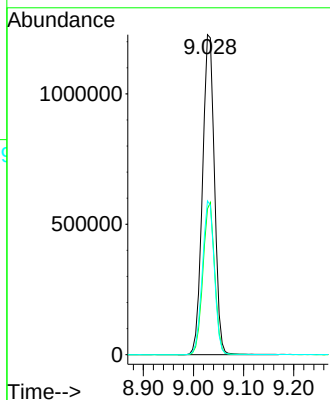
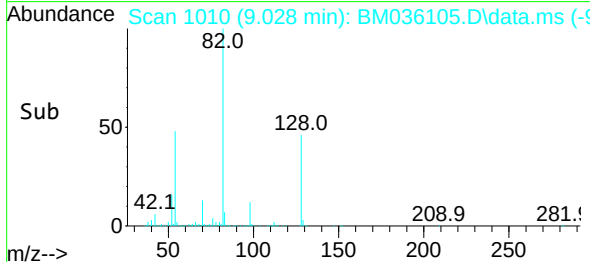
Instrument :
BNA_M
ClientSampleId :
RVE-116



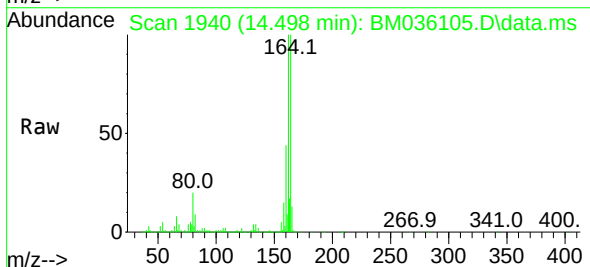
Tgt Ion: 82 Resp: 204120
Ion Ratio Lower Upper
82 100
128 45.6 33.7 50.5
54 48.0 43.2 64.8

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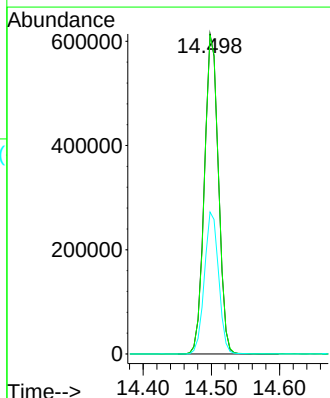
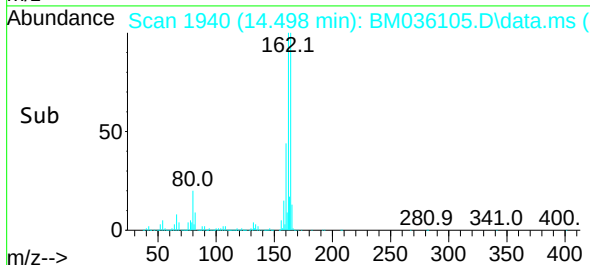
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

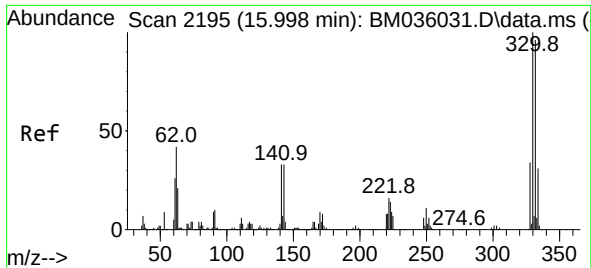


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07



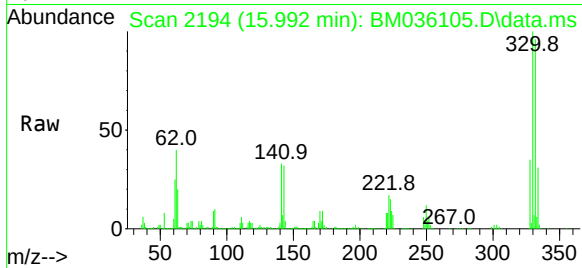
Tgt Ion:164 Resp: 878461
Ion Ratio Lower Upper
164 100
162 99.5 83.0 124.6
160 44.3 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 148.214 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

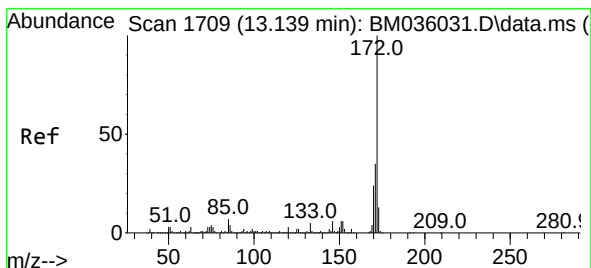
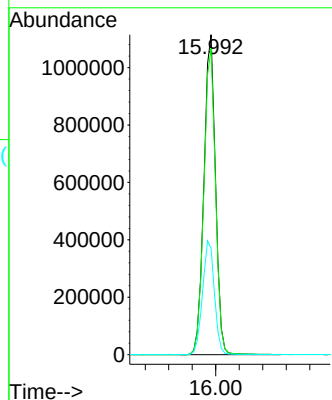
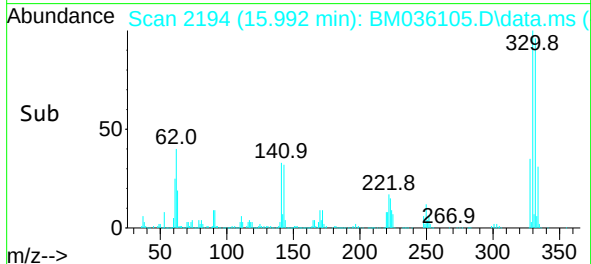
Instrument :
BNA_M
ClientSampleId :
RVE-116



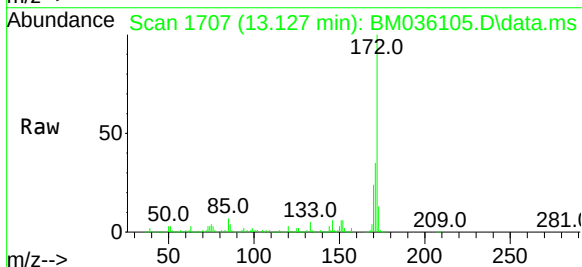
Tgt Ion:330 Resp: 152742
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 36.6 35.3 52.9

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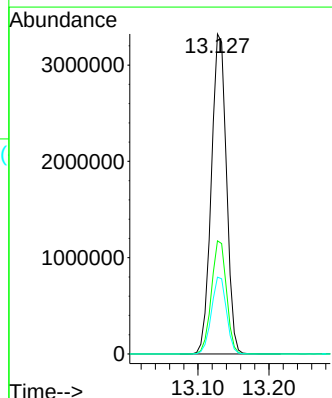
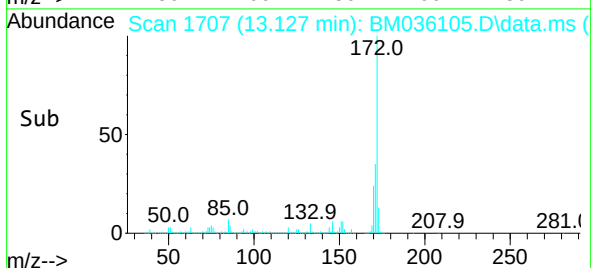
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022

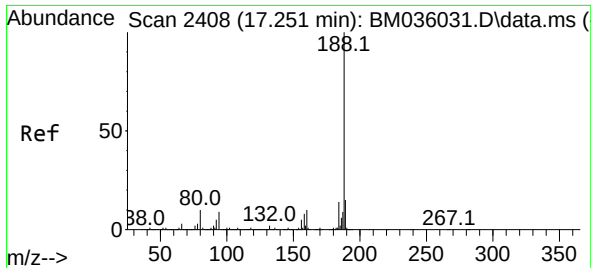


#45
2-Fluorobiphenyl
Concen: 82.514 ng
RT: 13.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07



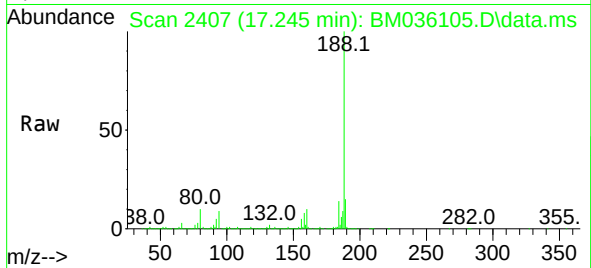
Tgt Ion:172 Resp: 4909375
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

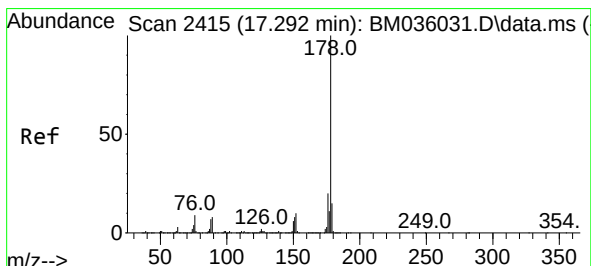
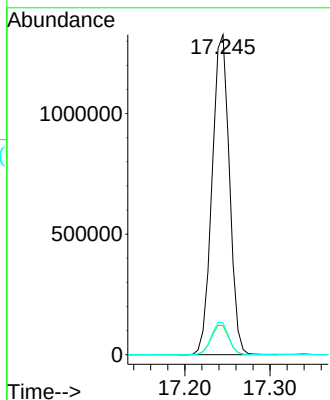
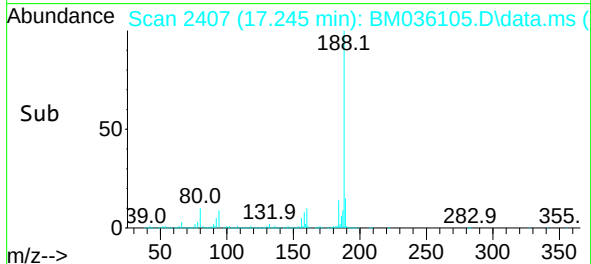
Instrument :
BNA_M
ClientSampleId :
RVE-116



Tgt Ion:188 Resp: 187196
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.1 7.6 11.4

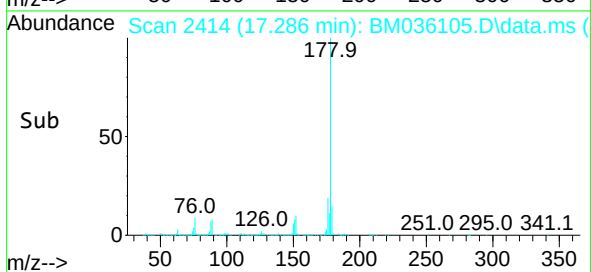
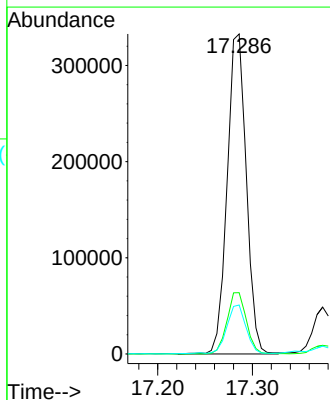
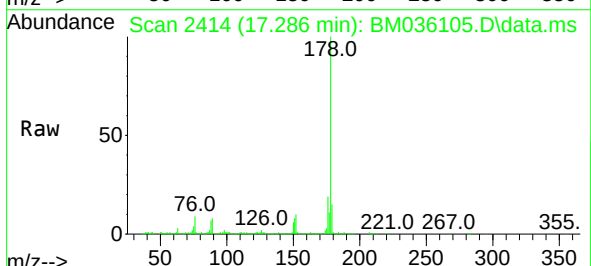
Manual Integrations
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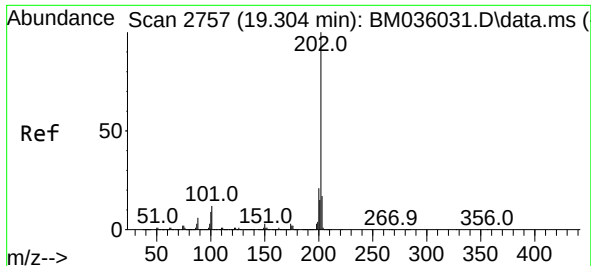
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#71
Phenanthrene
Concen: 4.899 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

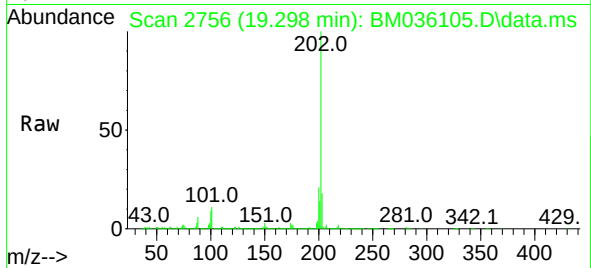
Tgt Ion:178 Resp: 467189
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 9.098 ng
RT: 19.298 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

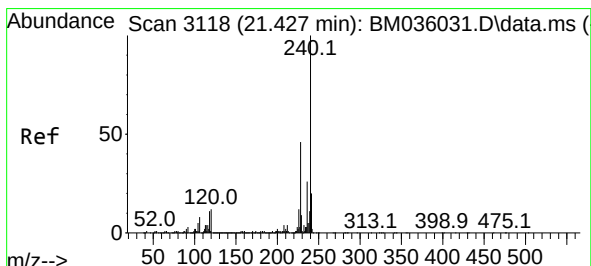
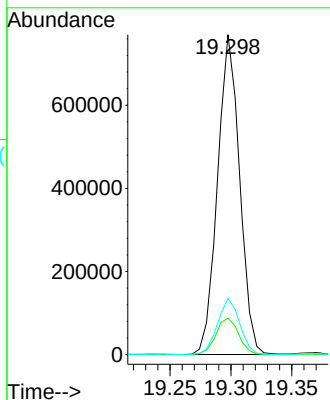
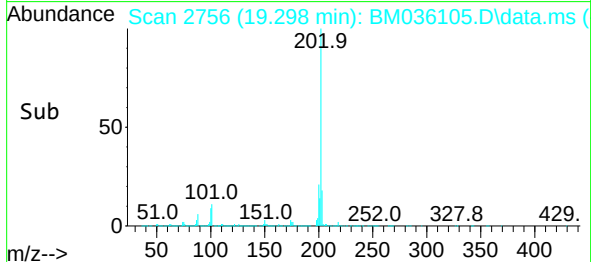
Instrument :
BNA_M
ClientSampleId :
RVE-116



Tgt Ion:202 Resp: 971298
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.6
203 17.7 0.0 37.4

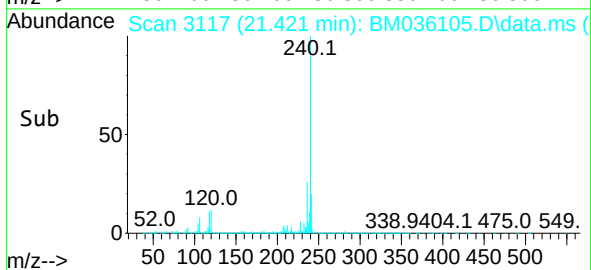
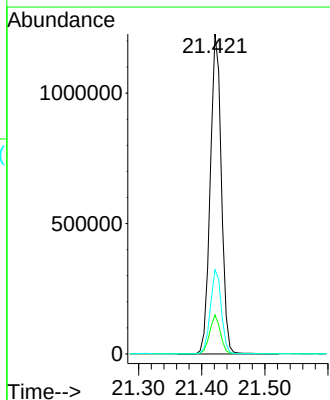
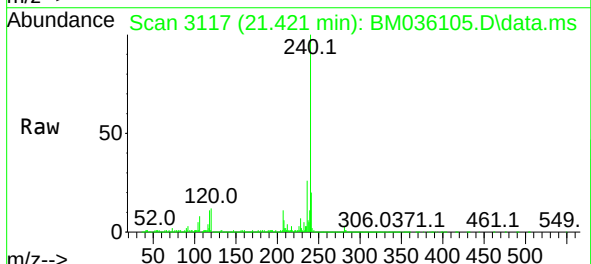
Manual Integrations
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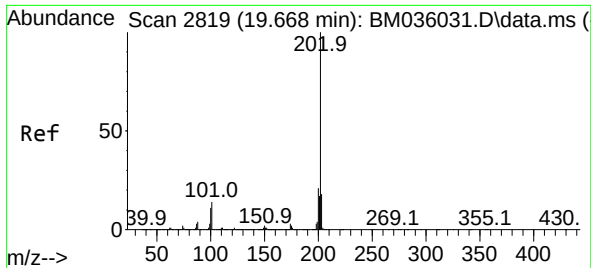
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

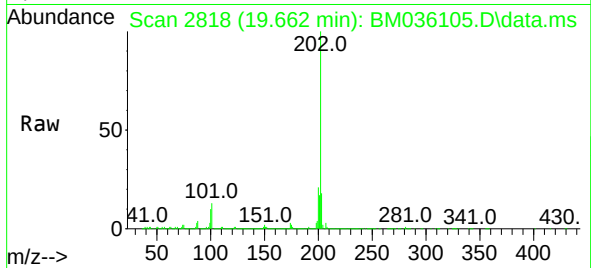
Tgt Ion:240 Resp: 1497860
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.0
236 26.3 20.6 30.8





#78
 Pyrene
 Concen: 9.590 ng
 RT: 19.662 min Scan# 2818
 Delta R.T. 0.000 min
 Lab File: BM036105.D
 Acq: 04 Aug 2022 19:07

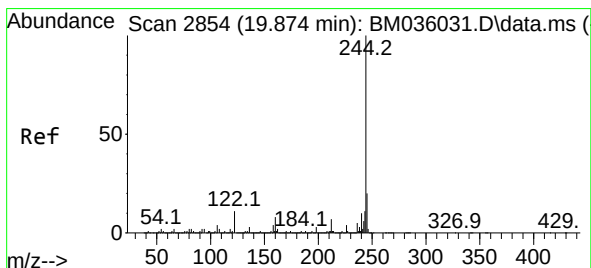
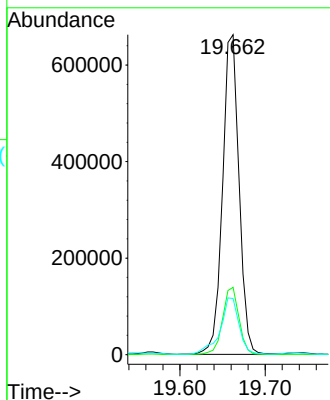
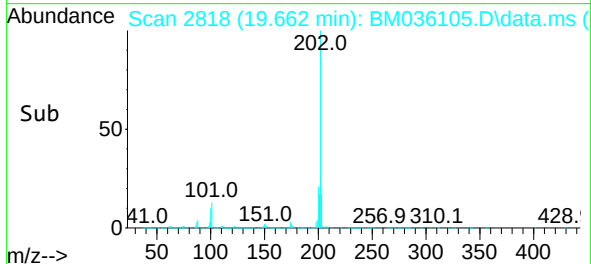
Instrument :
 BNA_M
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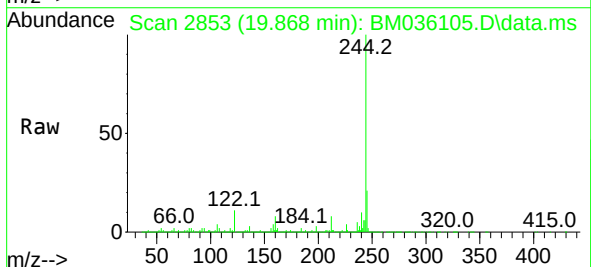
Tgt Ion:202 Resp: 89074
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.7 25.1
 203 17.6 13.9 20.9

Manual Integrations
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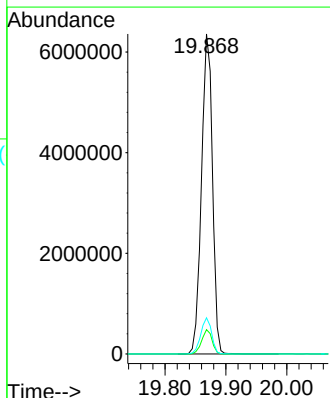
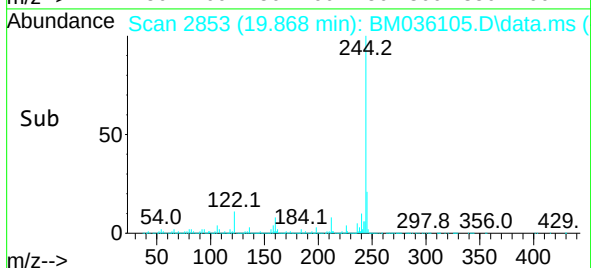
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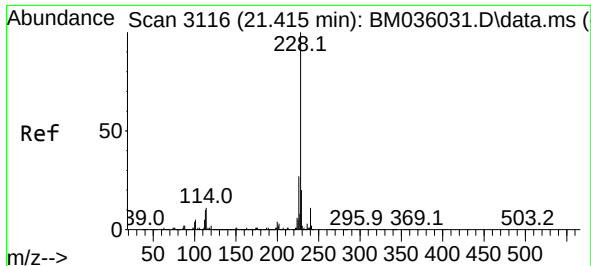


#79
 Terphenyl-d14
 Concen: 104.668 ng
 RT: 19.868 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BM036105.D
 Acq: 04 Aug 2022 19:07



Tgt Ion:244 Resp: 7948441
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 11.3 8.3 12.5





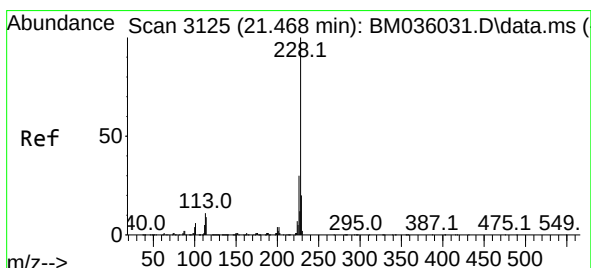
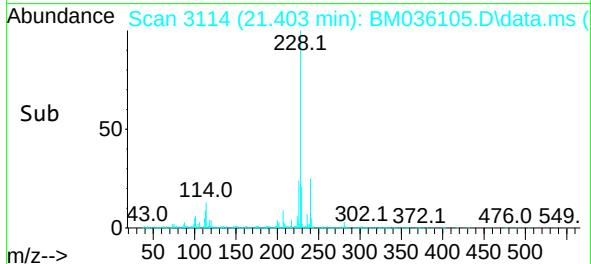
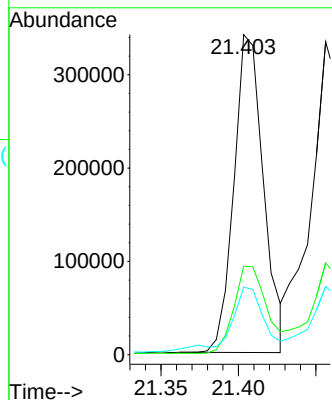
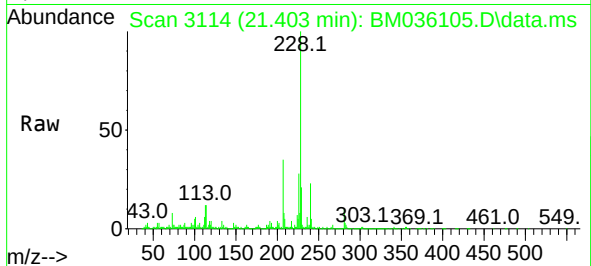
#81
Benzo(a)anthracene
Concen: 4.902 ng
RT: 21.403 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Instrument :
BNA_M
ClientSampleId :
RVE-116

Tgt Ion:228 Resp: 452235
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 21.1 15.8 23.6

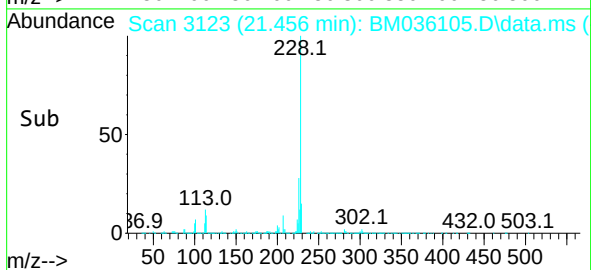
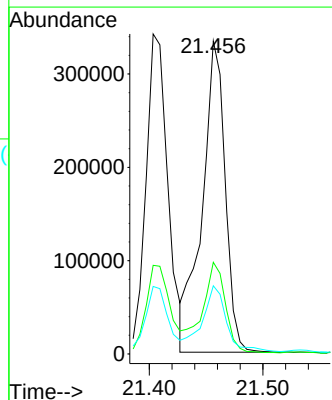
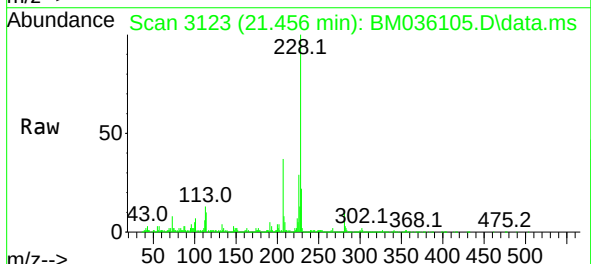
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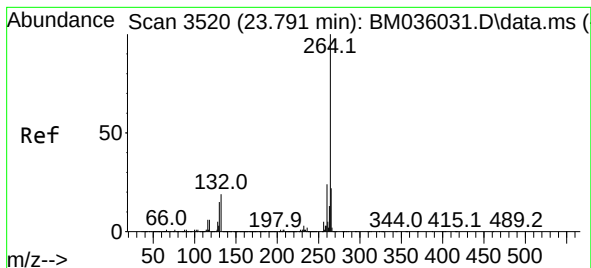
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#83
Chrysene
Concen: 5.378 ng
RT: 21.456 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:228 Resp: 471672
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.786 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Instrument :

BNA_M

ClientSampleId :

RVE-116

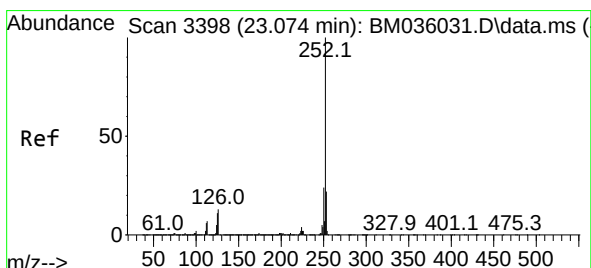
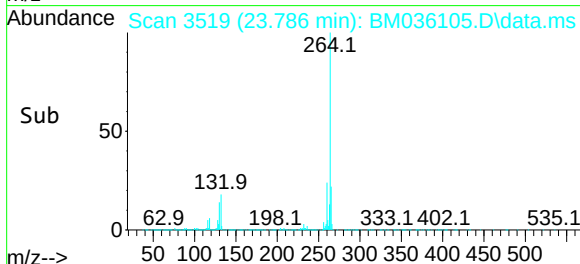
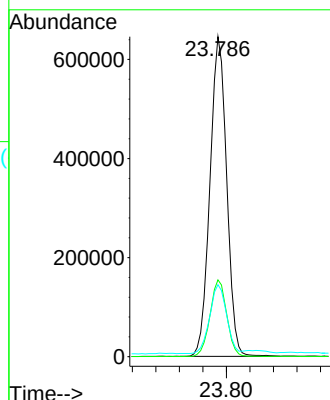
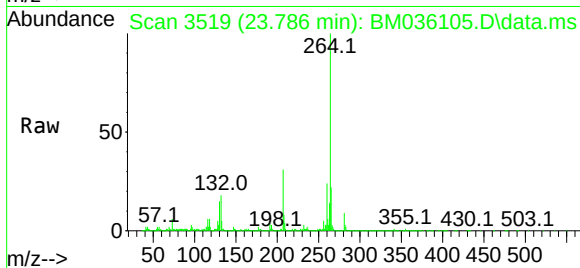
Tgt Ion:264 Resp: 127371

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.5	17.5	26.3

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



#88

Benzo(b)fluoranthene

Concen: 7.406 ng

RT: 23.068 min Scan# 3397

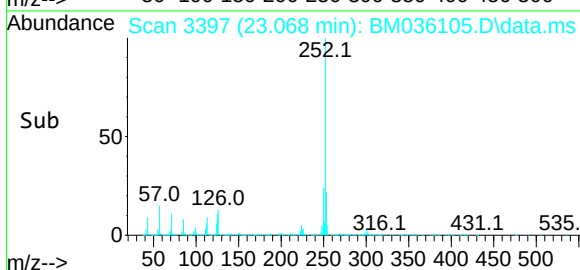
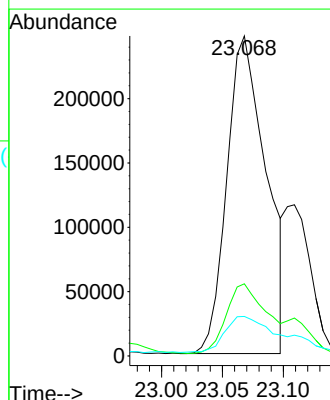
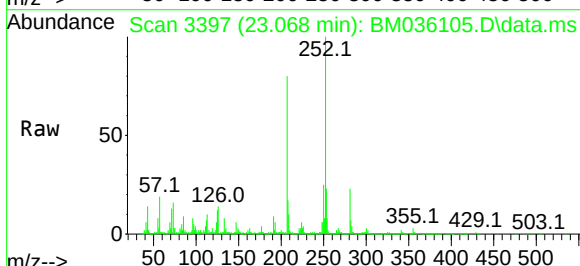
Delta R.T. 0.000 min

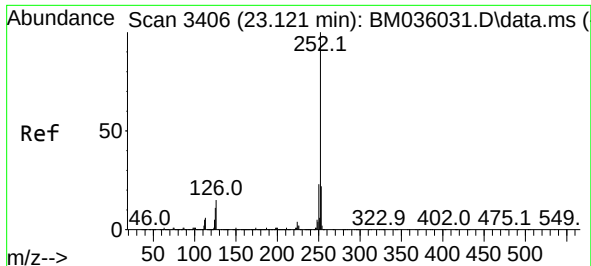
Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Tgt Ion:252 Resp: 552701

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	12.4	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 2.263 ng m

RT: 23.109 min Scan# 3406

Delta R.T. -0.006 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Instrument :

BNA_M

ClientSampleId :

RVE-116

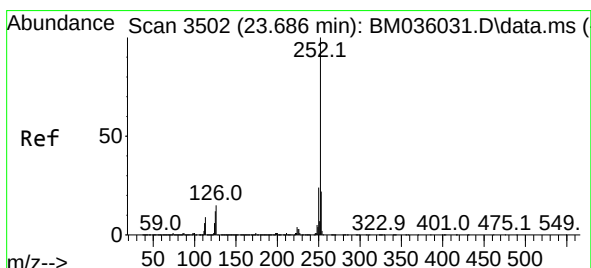
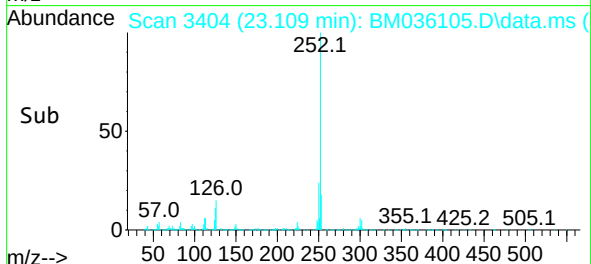
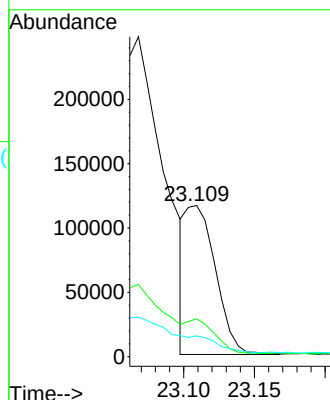
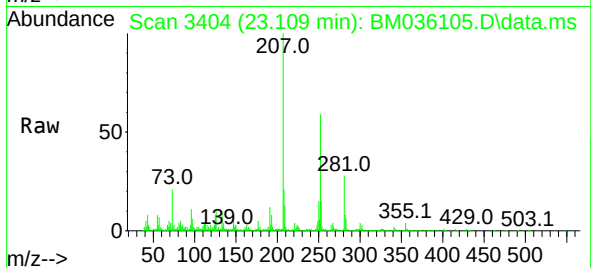
Tgt Ion:252 Resp: 17055
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.5 26.3
 125 13.8 7.6 11.4

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 5.270 ng

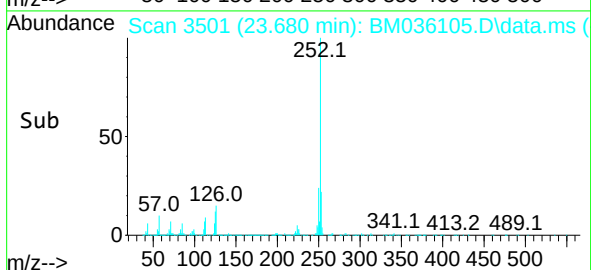
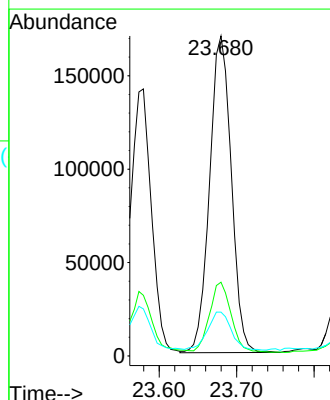
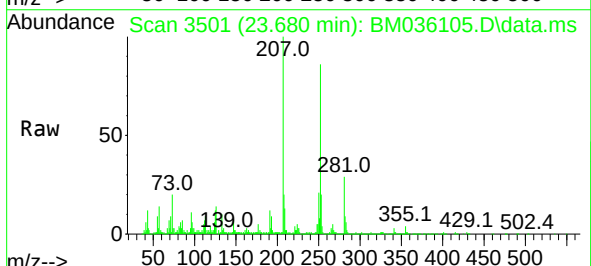
RT: 23.680 min Scan# 3501

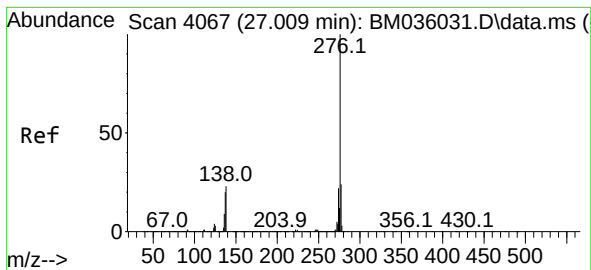
Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

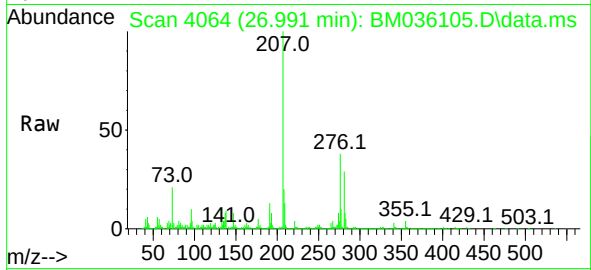
Tgt Ion:252 Resp: 329979
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.2 25.8
 125 13.7 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.420 ng
 RT: 26.991 min Scan# 4064
 Delta R.T. -0.006 min
 Lab File: BM036105.D
 Acq: 04 Aug 2022 19:07

Instrument :
 BNA_M
 ClientSampleId :
 RVE-116



Tgt Ion: 276 Resp: 248050
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.7 28.1
 138 23.2 17.6 26.4

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

