

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080322\
 Data File : BM036086.D
 Acq On : 03 Aug 2022 20:07
 Operator : CG/JU
 Sample : N3927-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-81

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 01:31:53 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 01 17:50:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	189556	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	915869	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	638085	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1461289	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1753804	20.000	ng	0.00
86) Perylene-d12	23.791	264	2109735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1460258	124.895	ng	0.00
7) Phenol-d6	7.034	99	2021854	135.904	ng	0.00
23) Nitrobenzene-d5	9.033	82	1188060	72.613	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1022561	136.604	ng	0.00
45) 2-Fluorobiphenyl	13.133	172	3019555	69.870	ng	0.00
79) Terphenyl-d14	19.868	244	6092380	68.519	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	104800	2.302	ng	99
37) 2-Methylnaphthalene	12.327	142	94399	3.115	ng	98
38) 1-Methylnaphthalene	12.551	142	78422	2.643	ng	96
71) Phenanthrene	17.286	178	221264	2.972	ng	98
75) Fluoranthene	19.297	202	494077	5.929	ng	98
78) Pyrene	19.662	202	466962	4.294	ng	99
81) Benzo(a)anthracene	21.409	228	308320	2.854	ng	96
83) Chrysene	21.462	228	368481m	3.588	ng	
88) Benzo(b)fluoranthene	23.068	252	494553	4.001	ng	# 93
90) Benzo(a)pyrene	23.685	252	307563	2.966	ng	# 96

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

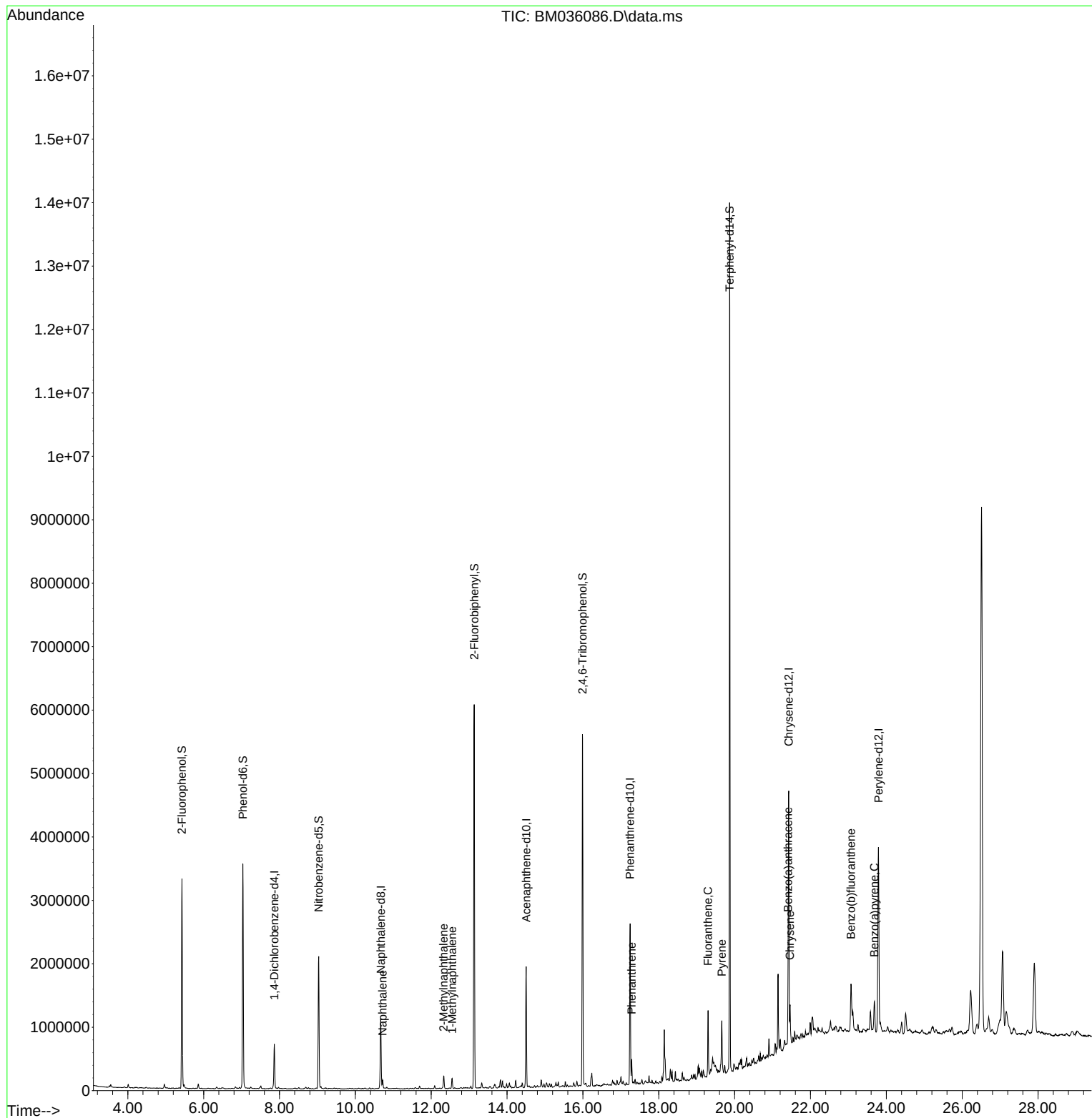
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080322\
Data File : BM036086.D
Acq On : 03 Aug 2022 20:07
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Sample : N3927-08
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ALS Vial : 15 Sample Multiplier: 1

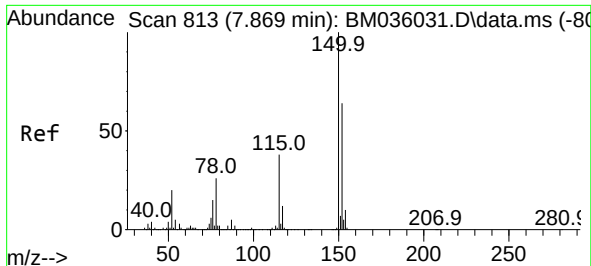
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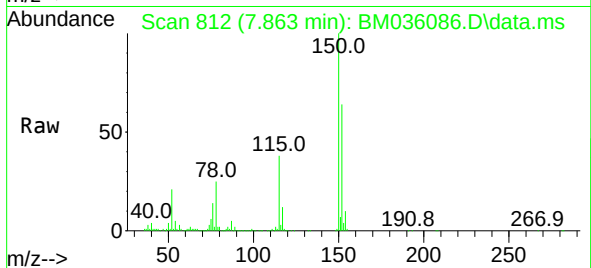
Quant Time: Aug 04 01:31:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 17:50:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

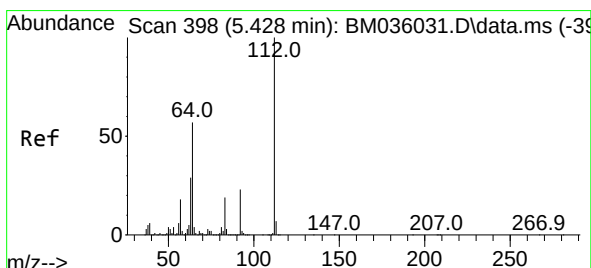
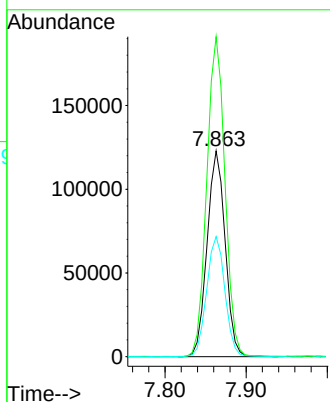
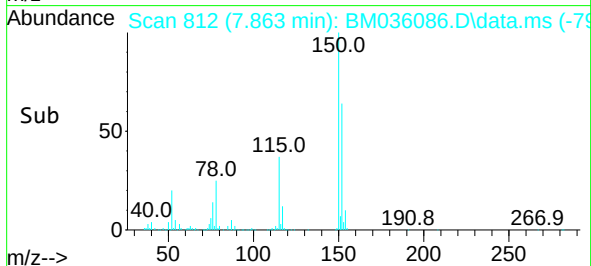
Instrument :
BNA_M
ClientSampleId :
RVE-81



Tgt Ion:152 Resp: 189550
Ion Ratio Lower Upper
152 100
150 155.5 124.9 187.3
115 58.4 47.9 71.9

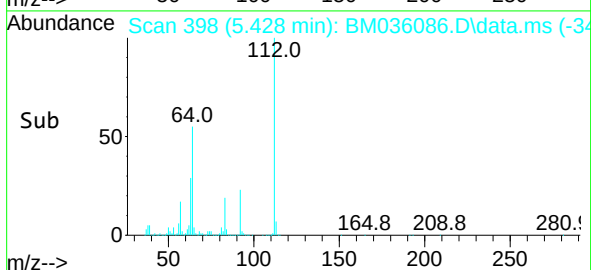
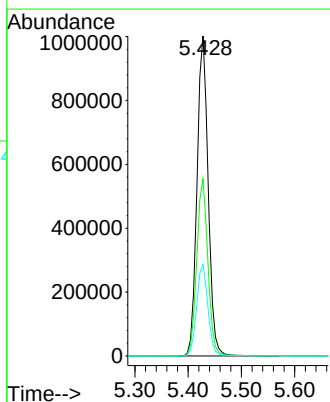
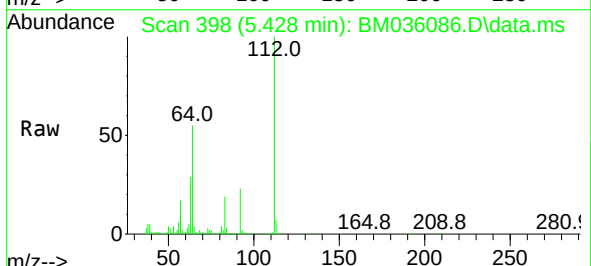
Manual Integrations
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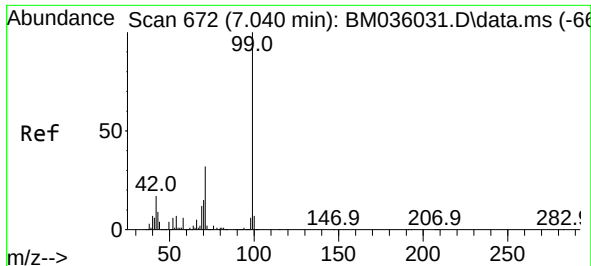
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 124.895 ng
RT: 5.428 min Scan# 398
Delta R.T. -0.000 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

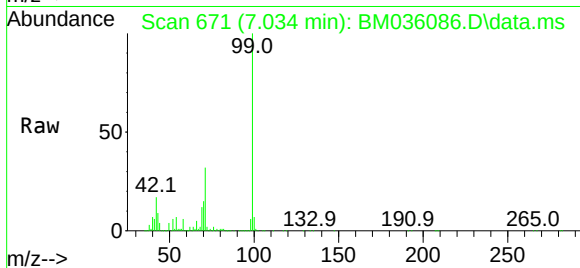
Tgt Ion:112 Resp: 1460258
Ion Ratio Lower Upper
112 100
64 55.4 47.8 71.6
63 28.6 26.6 40.0





#7
Phenol-d6
Concen: 135.904 ng
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

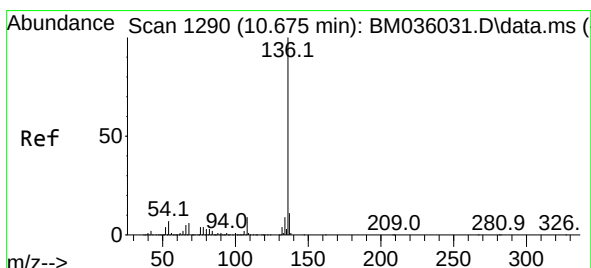
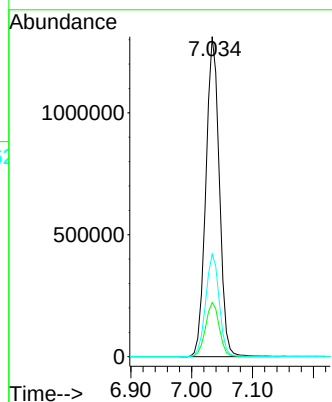
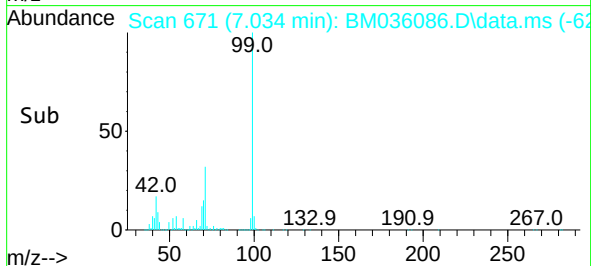
Instrument :
BNA_M
ClientSampleId :
RVE-81



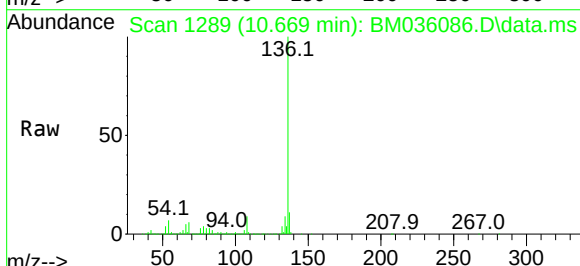
Tgt Ion: 99 Resp: 2021854
Ion Ratio Lower Upper
99 100
42 16.9 18.8 28.2
71 32.1 30.2 45.2

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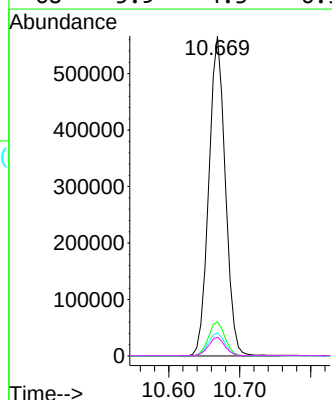
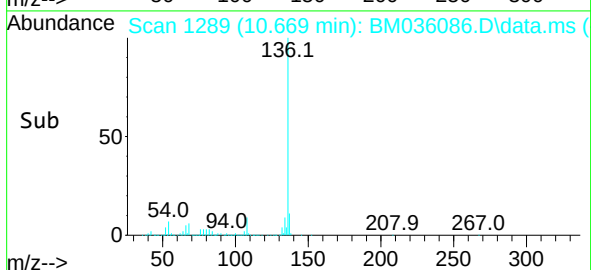
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

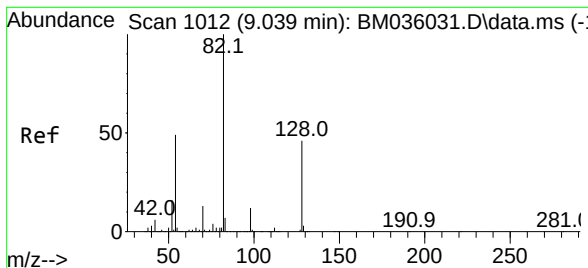


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07



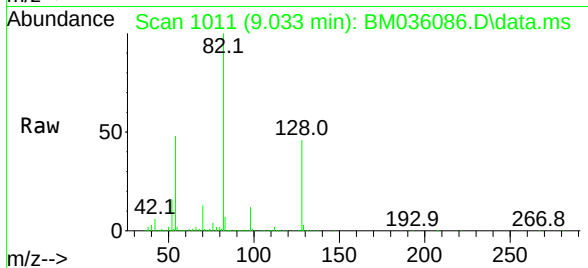
Tgt Ion:136 Resp: 915869
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.2 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 72.613 ng
RT: 9.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

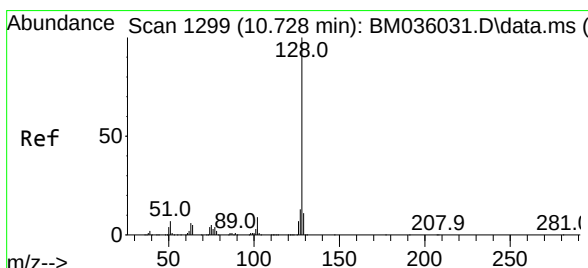
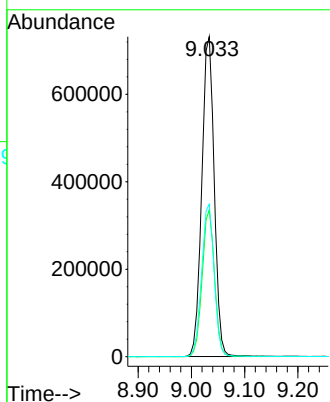
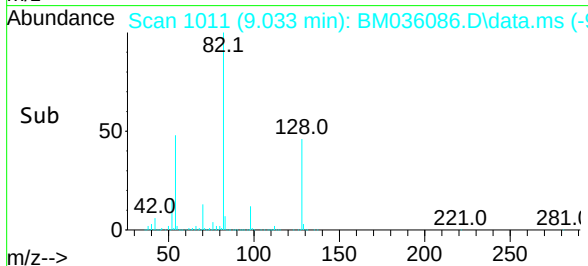
Instrument :
BNA_M
ClientSampleId :
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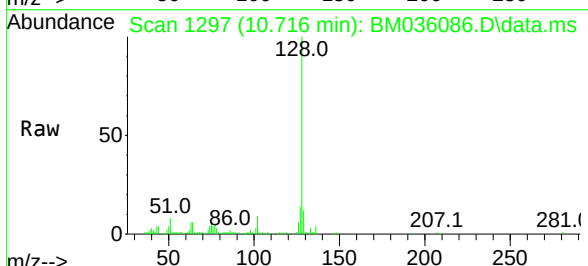
Tgt Ion: 82 Resp: 1188060
Ion Ratio Lower Upper
82 100
128 45.8 33.7 50.5
54 47.7 43.2 64.8

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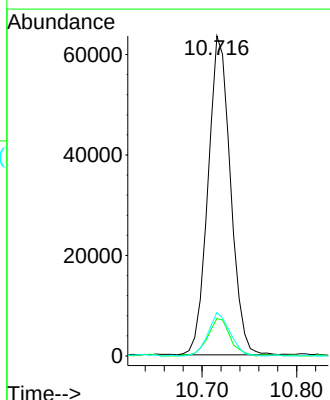
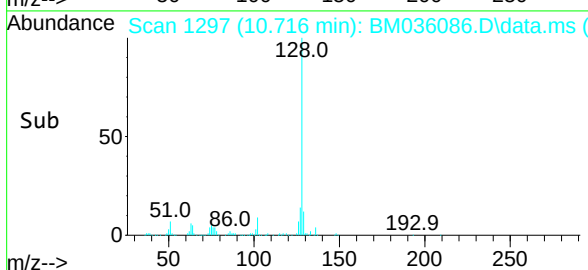
Reviewed By :Christian Giraldo 08/04/2022
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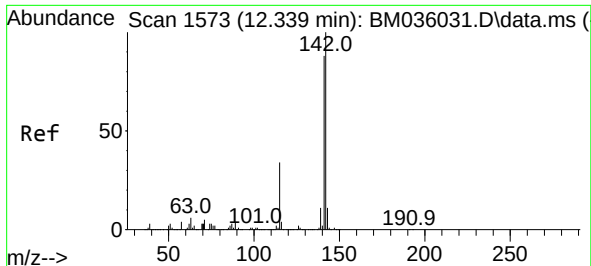


#31
Naphthalene
Concen: 2.302 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07



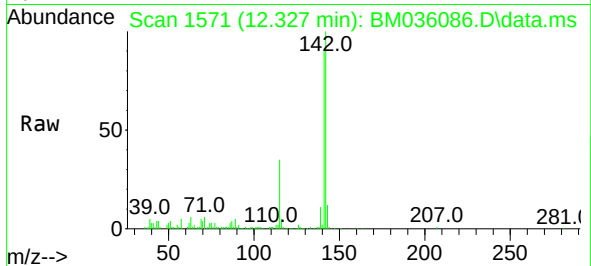
Tgt Ion:128 Resp: 104800
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.6 10.6 16.0





#37
2-Methylnaphthalene
Concen: 3.115 ng
RT: 12.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

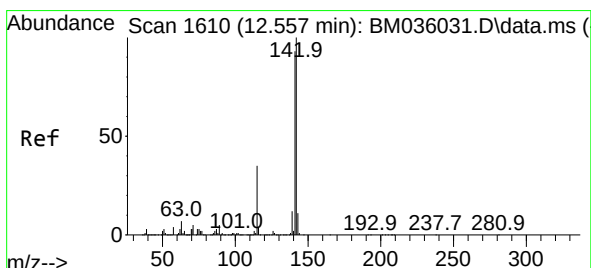
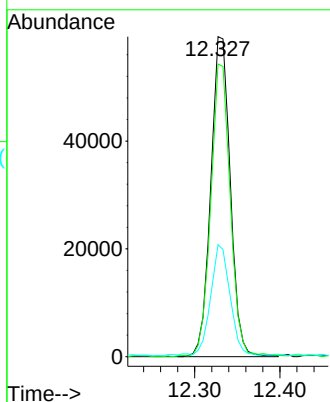
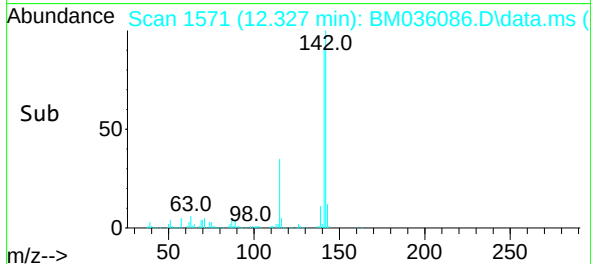
Instrument :
BNA_M
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RVE-81



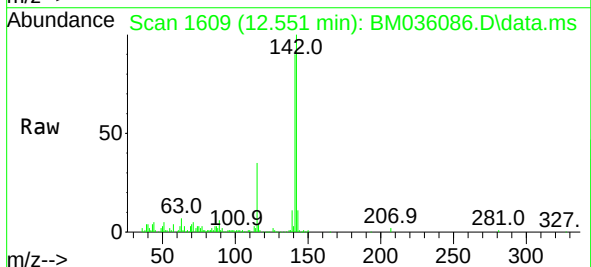
Tgt Ion:142 Resp: 94395
Ion Ratio Lower Upper
142 100
141 91.4 72.4 108.6
115 35.0 29.6 44.4

Manual Integrations
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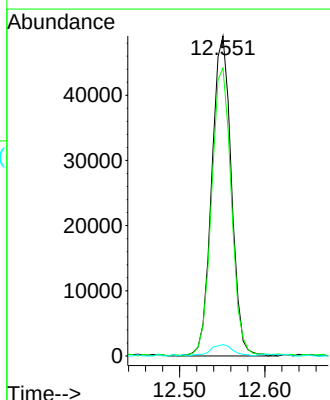
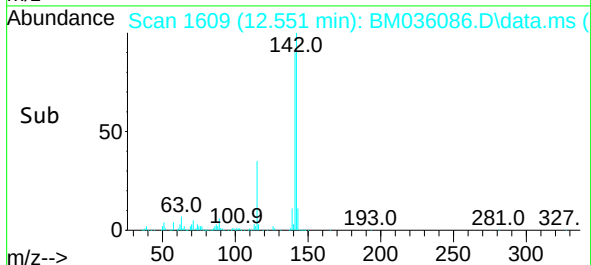
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

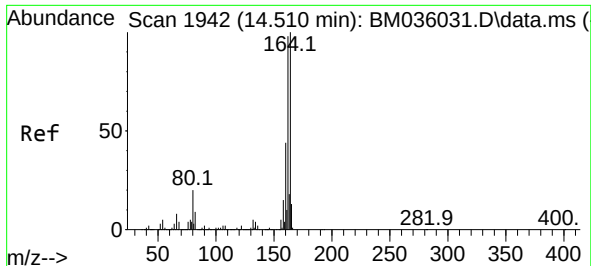


#38
1-Methylnaphthalene
Concen: 2.643 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07



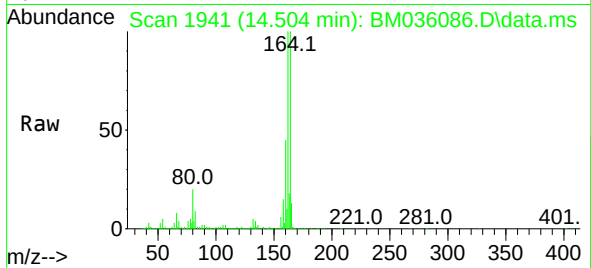
Tgt Ion:142 Resp: 78422
Ion Ratio Lower Upper
142 100
141 90.0 75.0 112.4
116 3.5 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

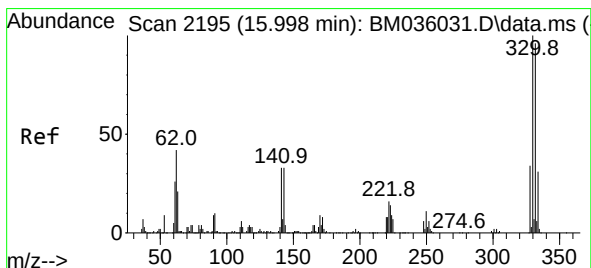
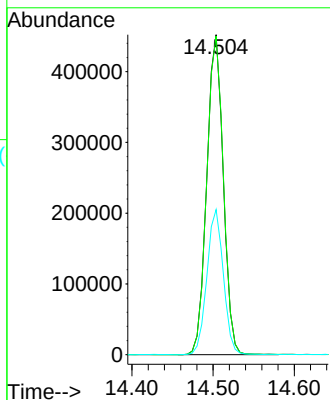
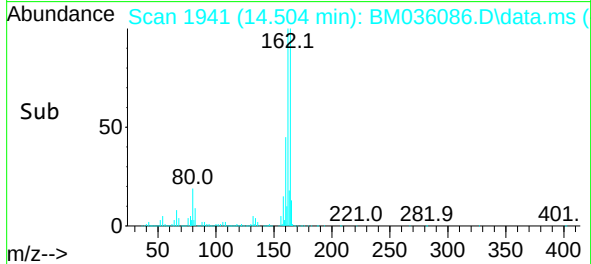
Instrument :
BNA_M
ClientSampleId :
RVE-81



Tgt Ion:164 Resp: 638088
Ion Ratio Lower Upper
164 100
162 99.6 83.0 124.6
160 45.3 37.0 55.4

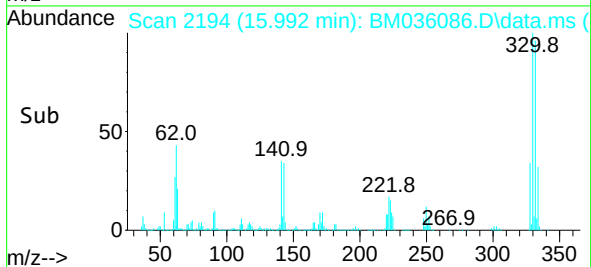
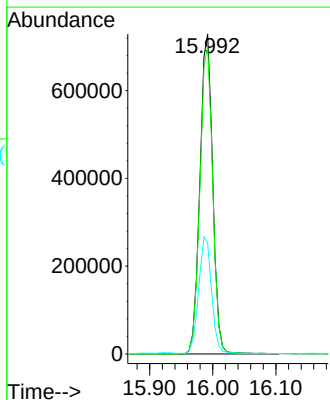
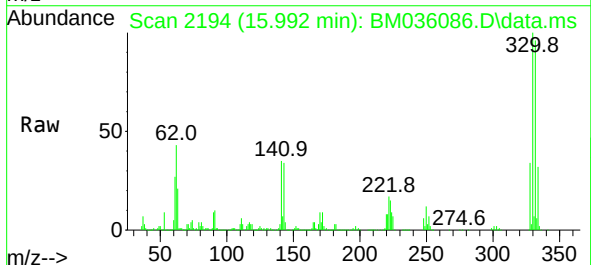
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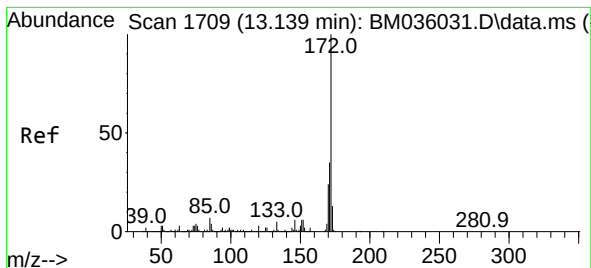
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#42
2,4,6-Tribromophenol
Concen: 136.604 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

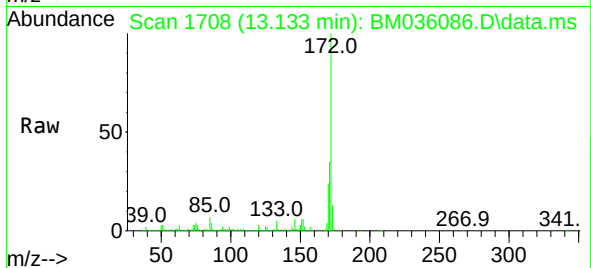
Tgt Ion:330 Resp: 1022561
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 37.0 35.3 52.9





#45
2-Fluorobiphenyl
Concen: 69.870 ng
RT: 13.133 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

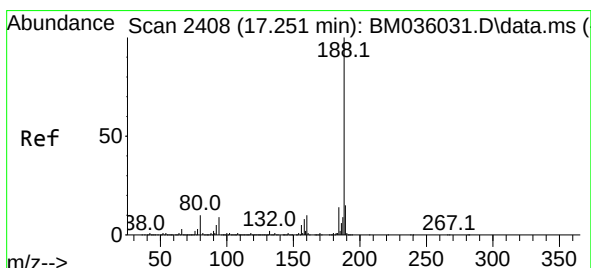
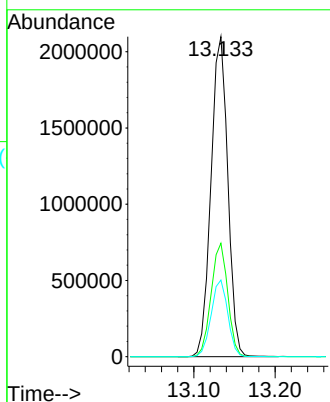
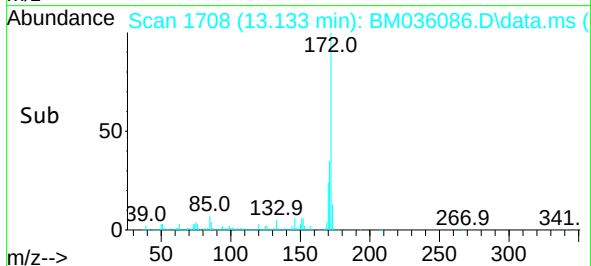
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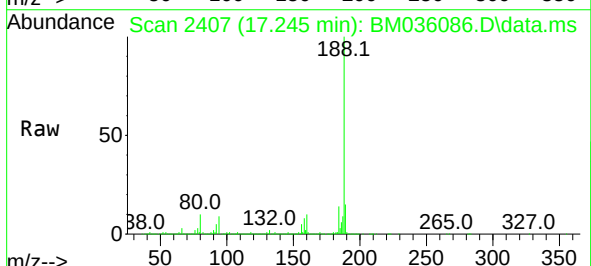
Tgt Ion:172 Resp: 301955
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 24.0 18.7 28.1

Manual Integrations
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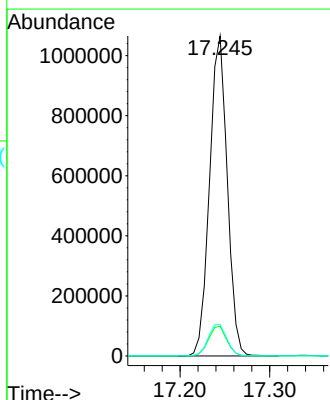
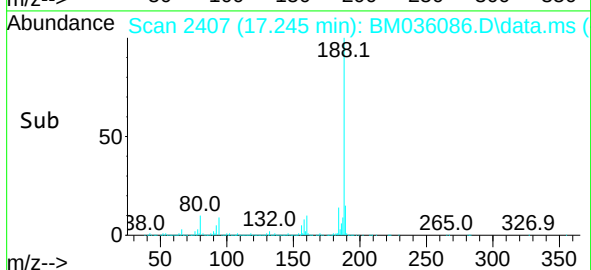
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

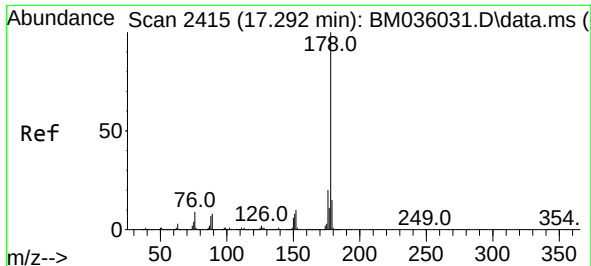


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07



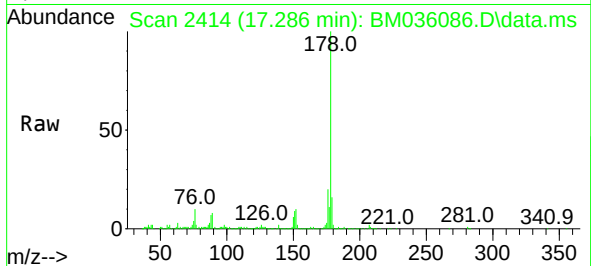
Tgt Ion:188 Resp: 1461289
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 9.8 7.6 11.4





#71
Phenanthrene
Concen: 2.972 ng
RT: 17.286 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

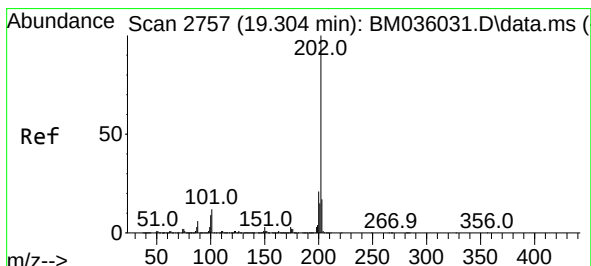
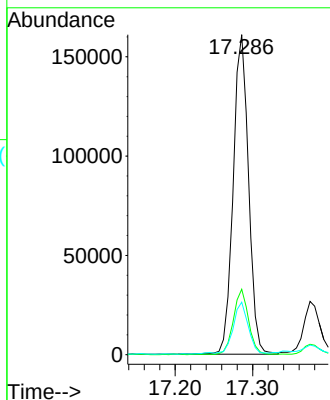
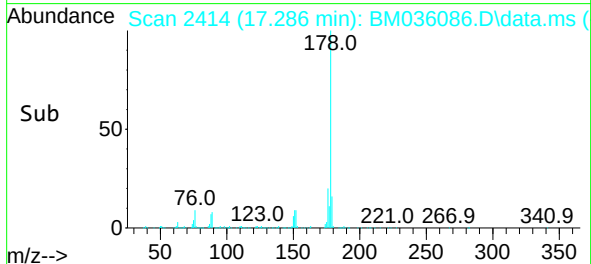
Instrument :
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ClientSampleId :
RVE-81



Tgt Ion:178 Resp: 221264
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.0
179 16.4 12.4 18.6

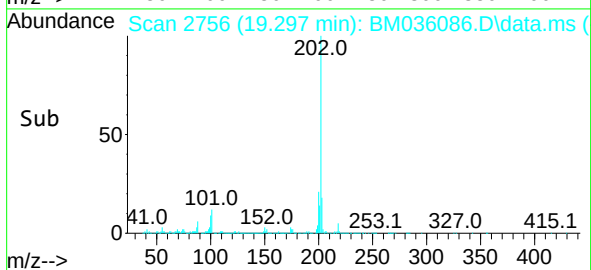
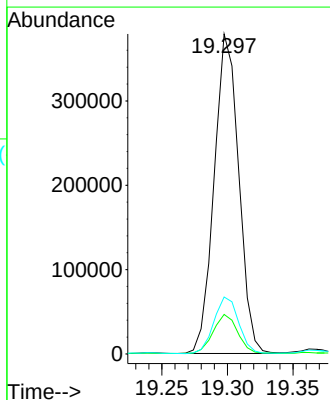
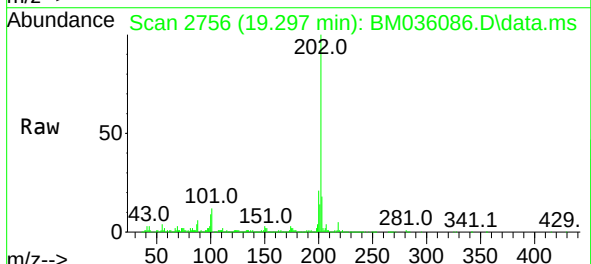
Manual Integrations
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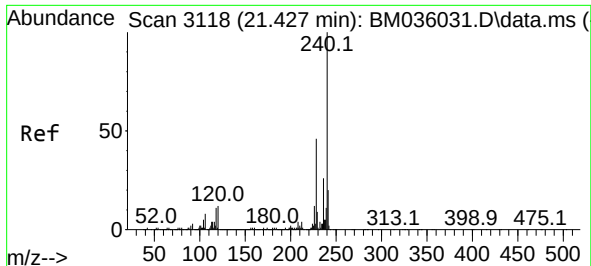
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#75
Fluoranthene
Concen: 5.929 ng
RT: 19.297 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

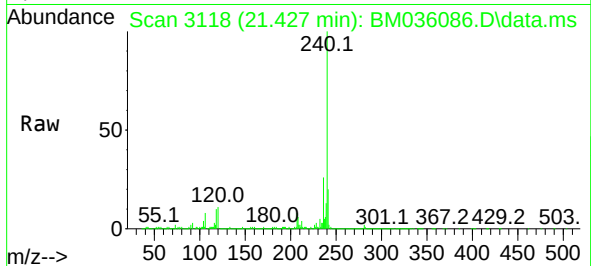
Tgt Ion:202 Resp: 494077
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.6
203 17.8 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

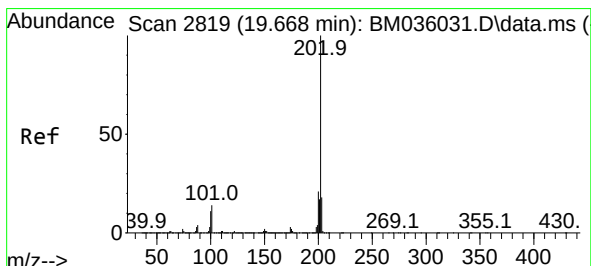
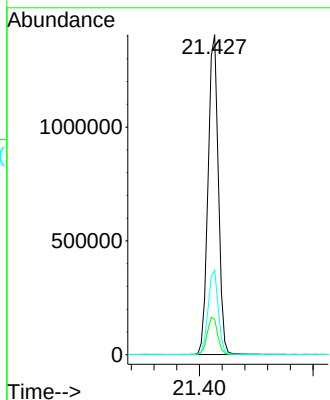
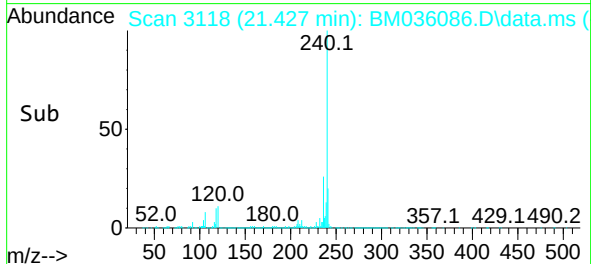
Instrument :
BNA_M
ClientSampleId :
RVE-81



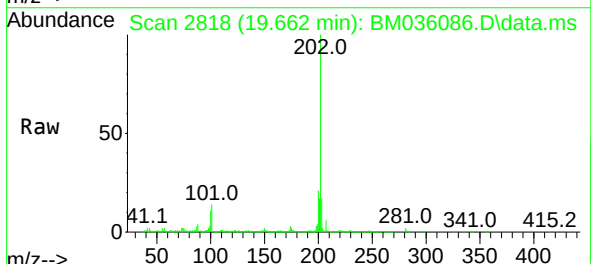
Tgt Ion:240 Resp: 1753804
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.0
236 26.3 20.6 30.8

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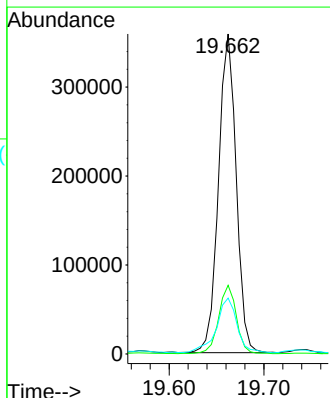
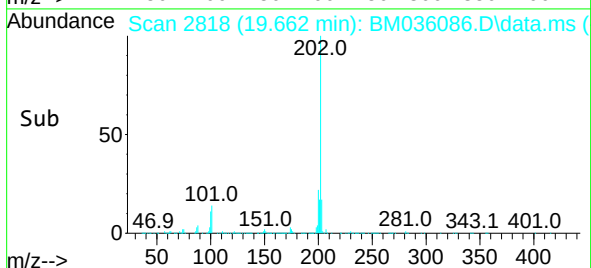
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

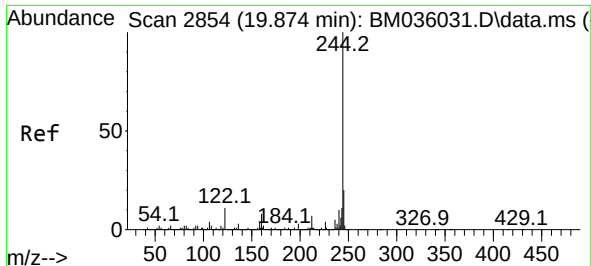


#78
Pyrene
Concen: 4.294 ng
RT: 19.662 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07



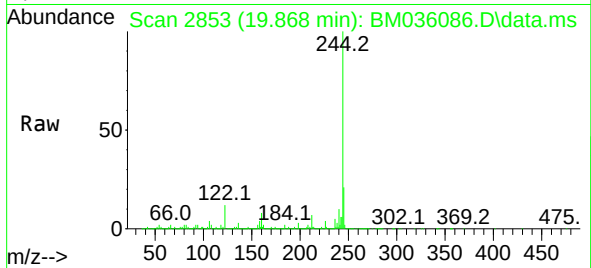
Tgt Ion:202 Resp: 466962
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.5 13.9 20.9





#79
Terphenyl-d14
Concen: 68.519 ng
RT: 19.868 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

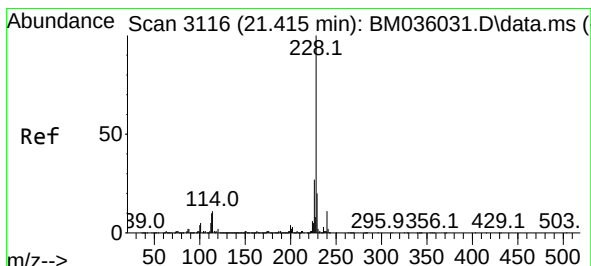
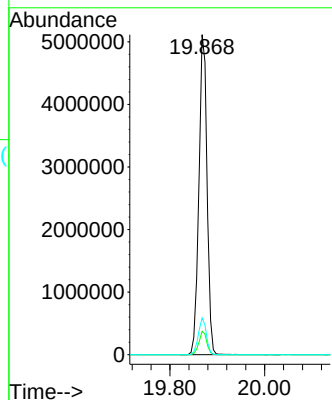
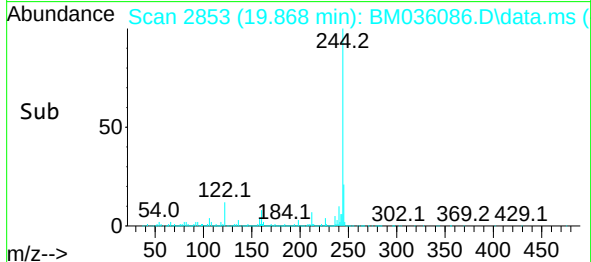
Instrument :
BNA_M
ClientSampleId :
RVE-81



Tgt Ion:244 Resp: 6092380
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 11.5 8.3 12.5

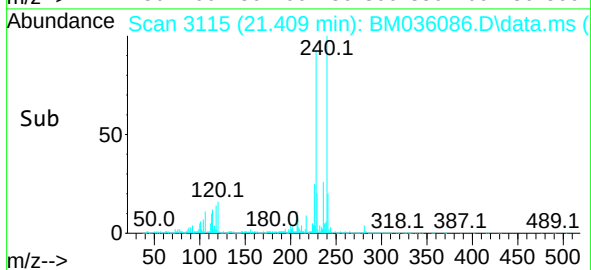
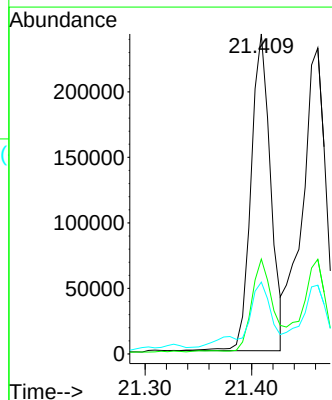
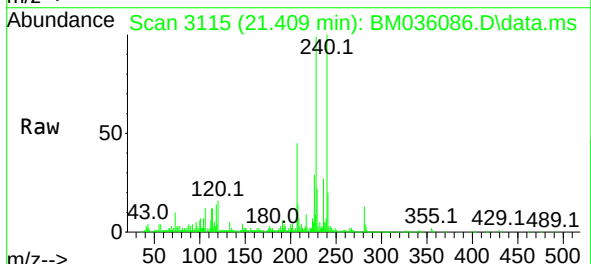
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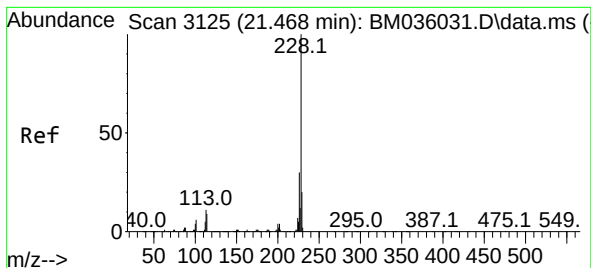
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#81
Benzo(a)anthracene
Concen: 2.854 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

Tgt Ion:228 Resp: 308320
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 22.4 15.8 23.6





#83

Chrysene

Concen: 3.588 ng m

RT: 21.462 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM036086.D

Acq: 03 Aug 2022 20:07

Instrument :

BNA_M

ClientSampleId :

RVE-81

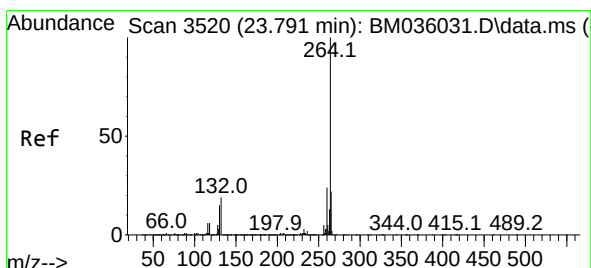
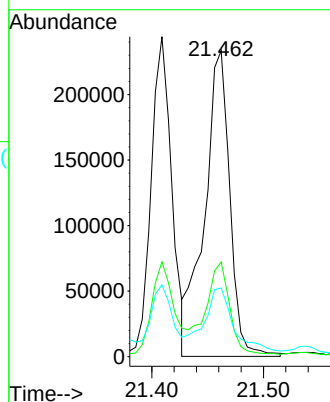
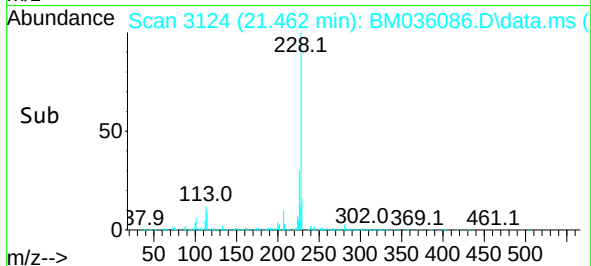
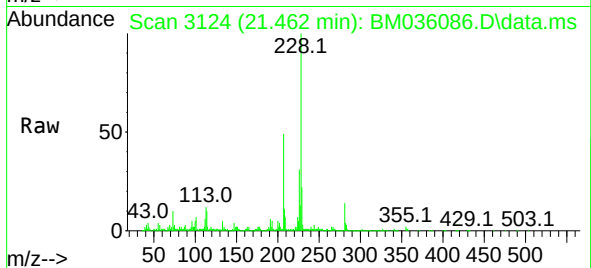
Tgt Ion:	228	Resp:	36848
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	22.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/04/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#86

Perylene-d12

Concen: 20.000 ng

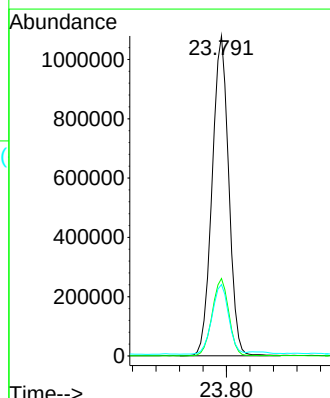
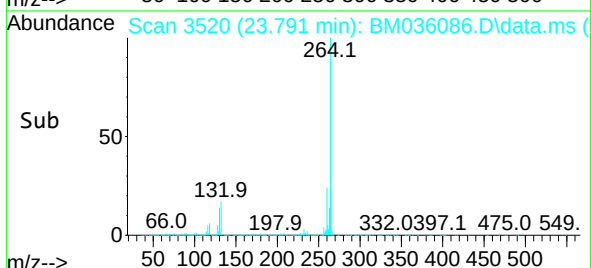
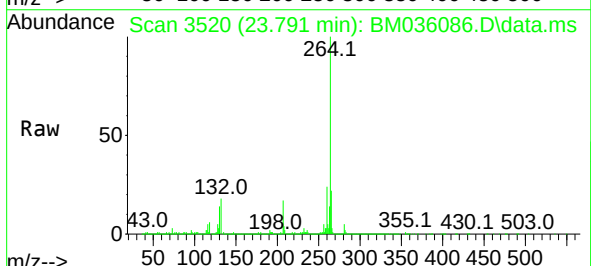
RT: 23.791 min Scan# 3520

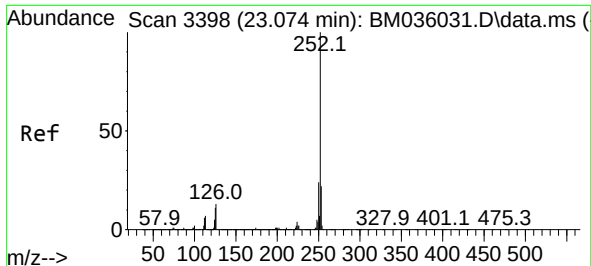
Delta R.T. -0.000 min

Lab File: BM036086.D

Acq: 03 Aug 2022 20:07

Tgt Ion:	264	Resp:	2109735
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.9	28.3
265	22.3	17.5	26.3





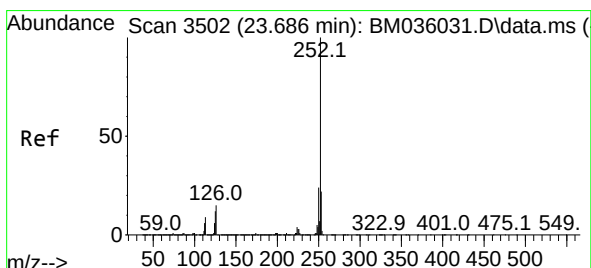
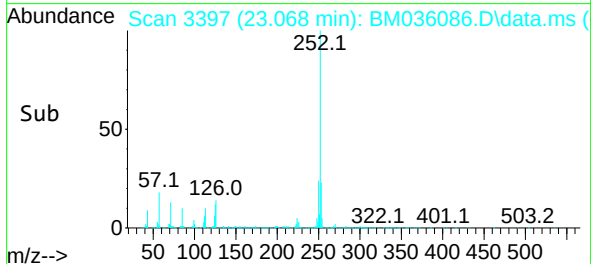
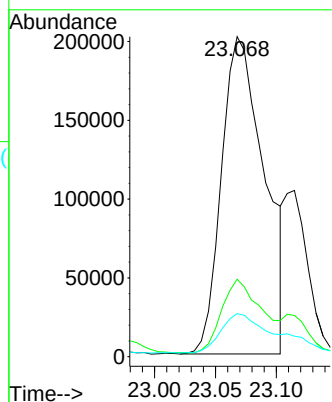
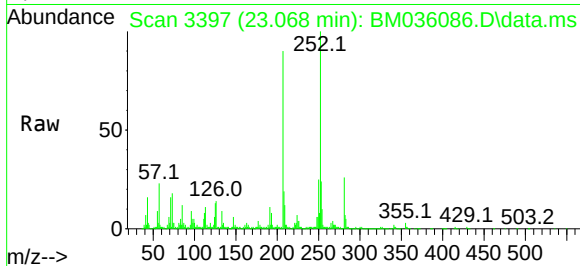
#88
Benzo(b)fluoranthene
Concen: 4.001 ng
RT: 23.068 min Scan# 3398
Delta R.T. -0.006 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

Instrument :
BNA_M
ClientSampleId :
RVE-81

Tgt Ion:252 Resp: 49455
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 13.5 7.6 11.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#90
Benzo(a)pyrene
Concen: 2.966 ng
RT: 23.685 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BM036086.D
Acq: 03 Aug 2022 20:07

Tgt Ion:252 Resp: 307563
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 13.3 8.7 13.1

