

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080222\
 Data File : BM036070.D
 Acq On : 03 Aug 2022 02:22
 Operator : CG/JU
 Sample : N3894-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-31

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/03/2022
 Supervised By : Jagrut Upadhyay 08/04/2022

Quant Time: Aug 03 03:11:27 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	7.869	152	438382	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	1907553	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	1142538	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	2217545	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1394654	20.000	ng	0.00
86) Perylene-d12	23.791	264	1255573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	3100278	114.657	ng	0.00
7) Phenol-d6	7.045	99	3995339	116.124	ng	0.00
23) Nitrobenzene-d5	9.039	82	2453312	71.992	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	1561666	116.512	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	5583576	72.155	ng	0.00
79) Terphenyl-d14	19.874	244	7067977	99.962	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.292	178	558336	4.942	ng	99
75) Fluoranthene	19.303	202	1799374	14.228	ng	99
78) Pyrene	19.662	202	1622308	18.759	ng	99
81) Benzo(a)anthracene	21.409	228	793145	9.233	ng	99
83) Chrysene	21.462	228	782731m	9.586	ng	
84) Bis(2-ethylhexyl)phtha...	21.339	149	160231	2.845	ng	97
87) Indeno(1,2,3-cd)pyrene	26.244	276	442437	5.014	ng	97
88) Benzo(b)fluoranthene	23.068	252	988617	13.439	ng	# 95
89) Benzo(k)fluoranthene	23.109	252	272817m	3.672	ng	
90) Benzo(a)pyrene	23.686	252	622673	10.088	ng	98
92) Benzo(g,h,i)perylene	26.997	276	436221	6.101	ng	98

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

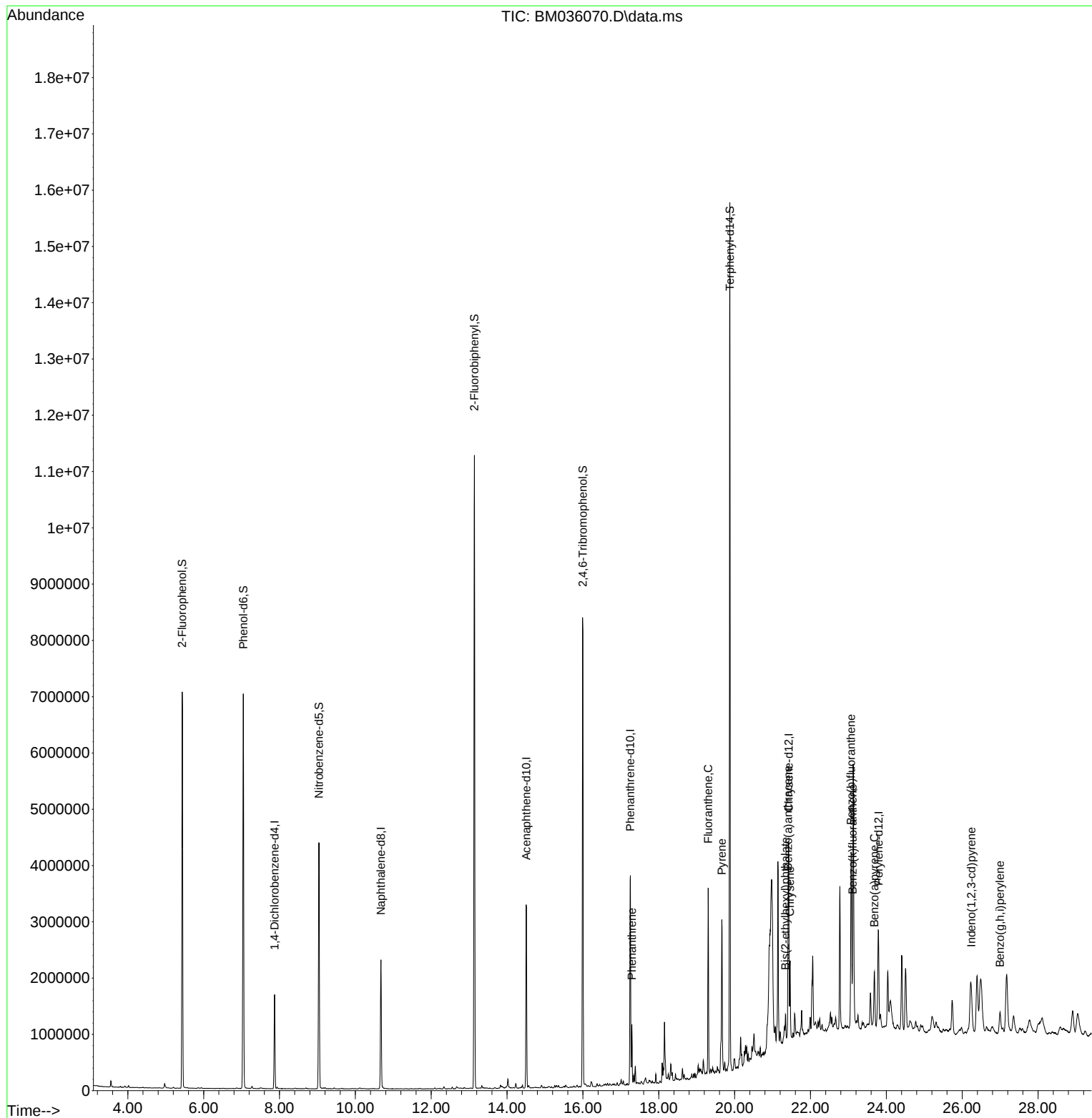
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080222\
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ALS Vial : 19 Sample Multiplier: 1

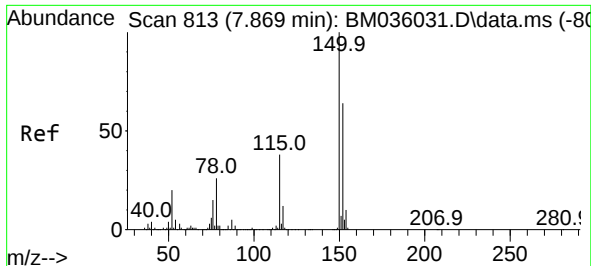
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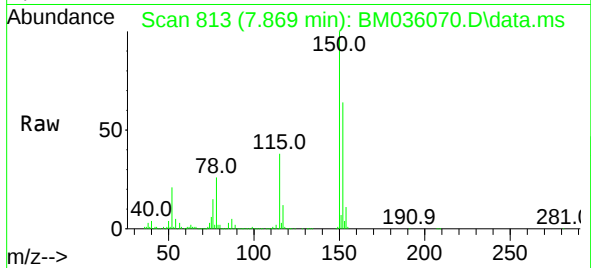
Quant Time: Aug 03 03:11:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 17:50:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

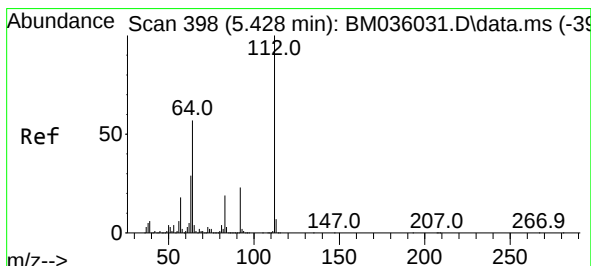
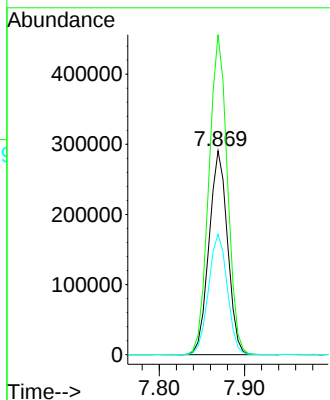
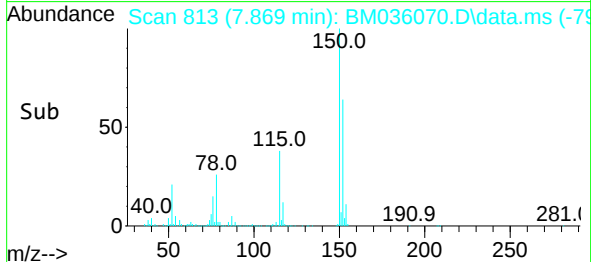
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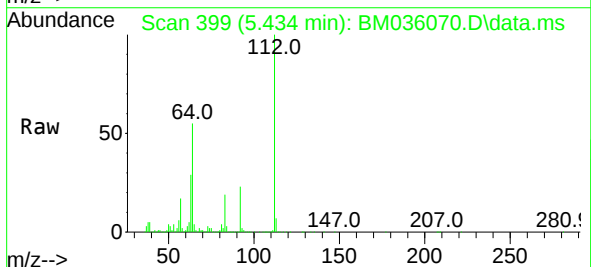
Tgt Ion:152 Resp: 438382
Ion Ratio Lower Upper
152 100
150 157.0 124.9 187.3
115 59.1 47.9 71.9

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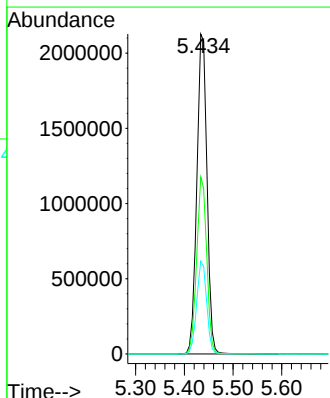
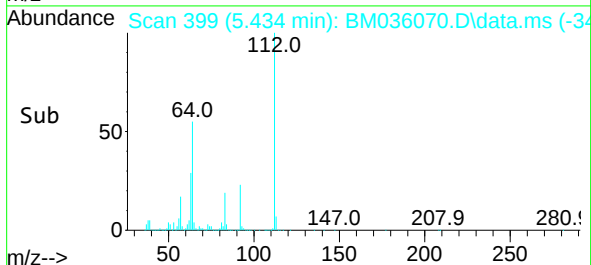
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

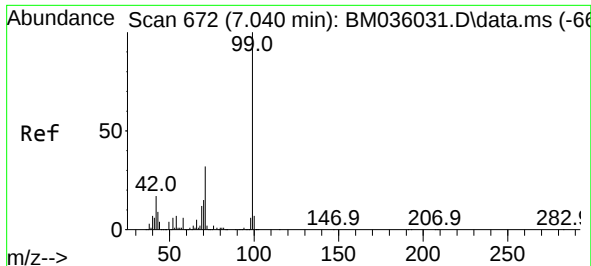


#5
2-Fluorophenol
Concen: 114.657 ng
RT: 5.434 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



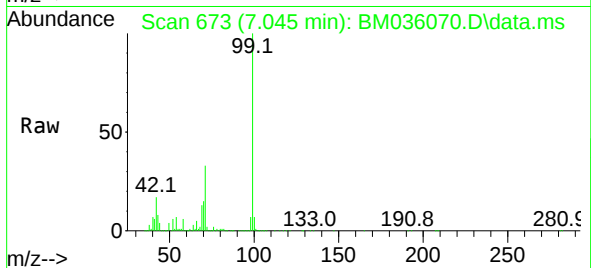
Tgt Ion:112 Resp: 3100278
Ion Ratio Lower Upper
112 100
64 55.4 47.8 71.6
63 29.0 26.6 40.0





#7
Phenol-d6
Concen: 116.124 ng
RT: 7.045 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

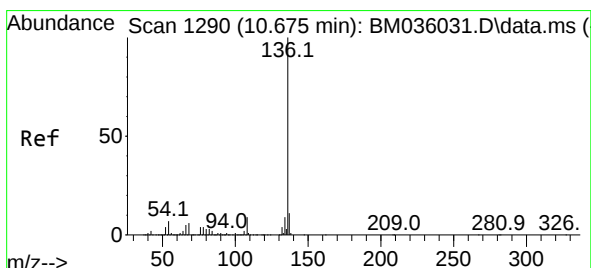
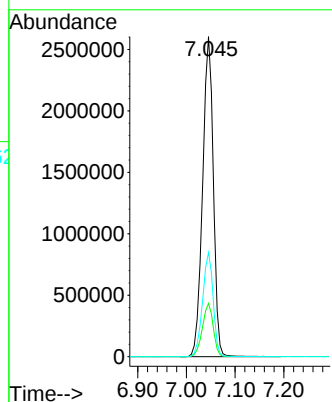
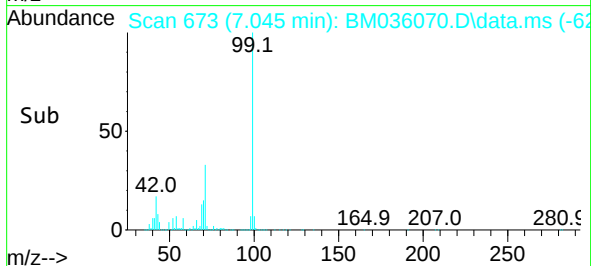
Instrument :
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Tgt Ion: 99 Resp: 3995339
Ion Ratio Lower Upper
99 100
42 16.7 18.8 28.2
71 32.5 30.2 45.2

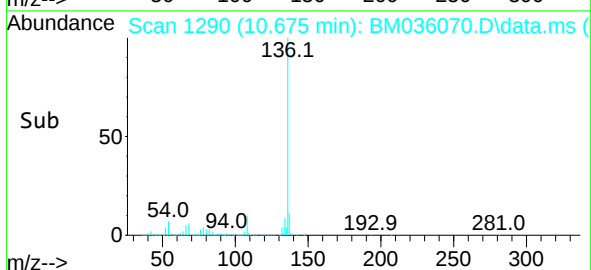
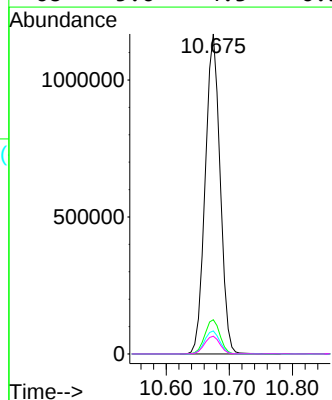
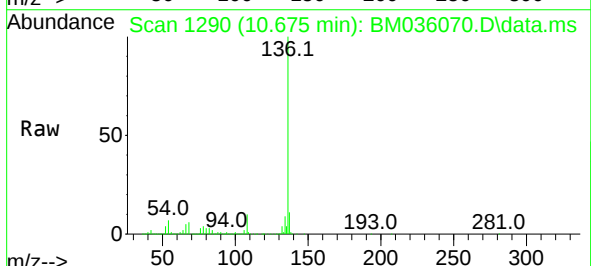
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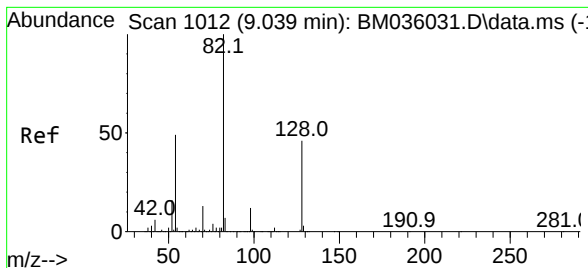
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

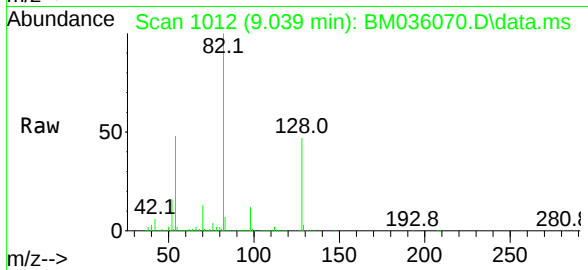
Tgt Ion:136 Resp: 1907553
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.2 7.0 10.4
68 5.6 4.3 6.5





#23
Nitrobenzene-d5
Concen: 71.992 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

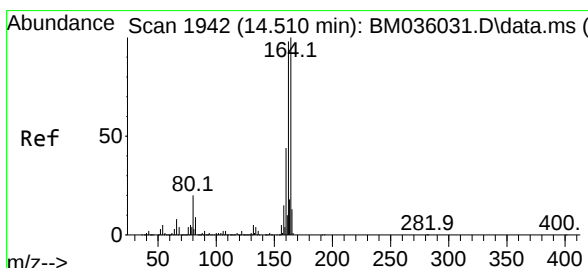
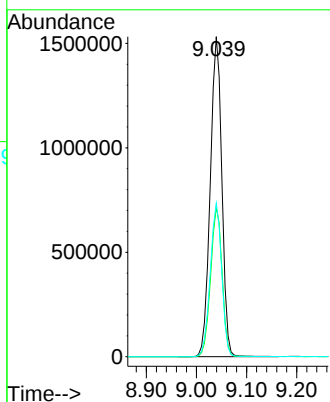
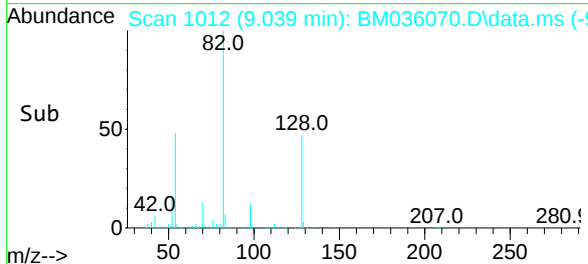
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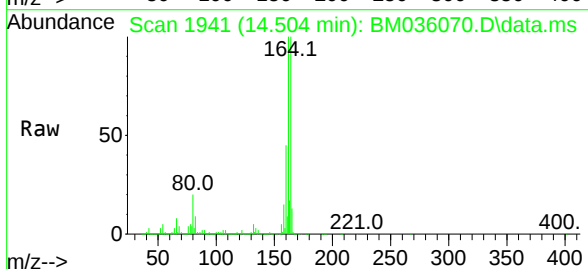
Tgt Ion: 82 Resp: 2453312
Ion Ratio Lower Upper
82 100
128 46.8 33.7 50.5
54 47.9 43.2 64.8

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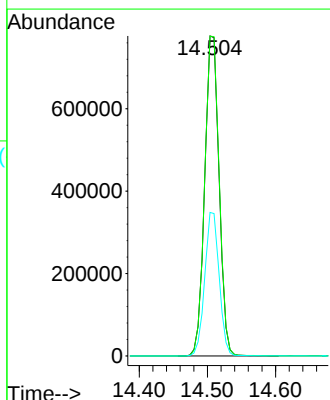
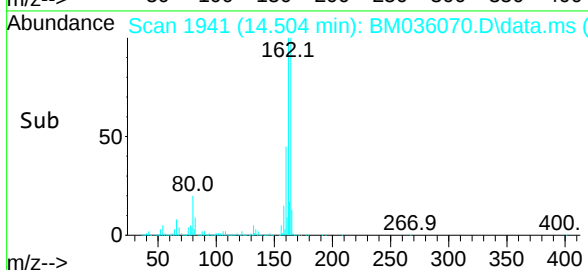
Reviewed By :Christian Giraldo 08/03/2022
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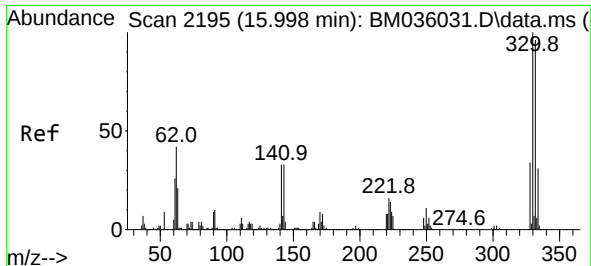


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



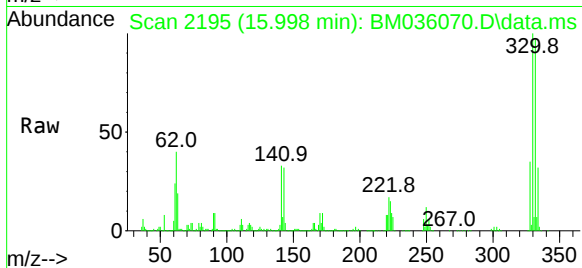
Tgt Ion:164 Resp: 1142538
Ion Ratio Lower Upper
164 100
162 99.9 83.0 124.6
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 116.512 ng
RT: 15.998 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

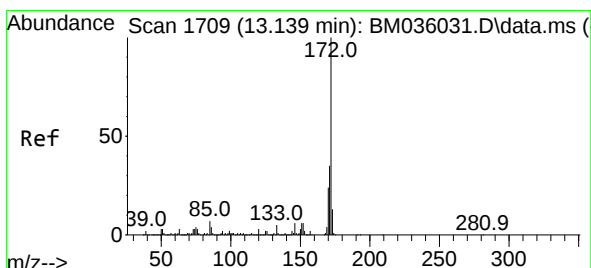
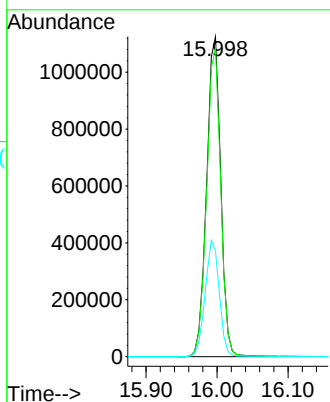
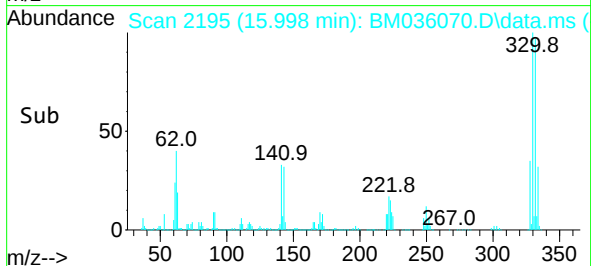
Instrument :
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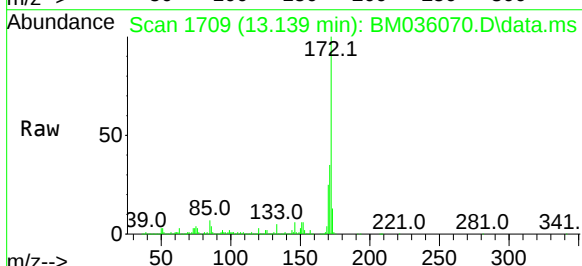
Tgt Ion:330 Resp: 1561660
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 36.3 35.3 52.9

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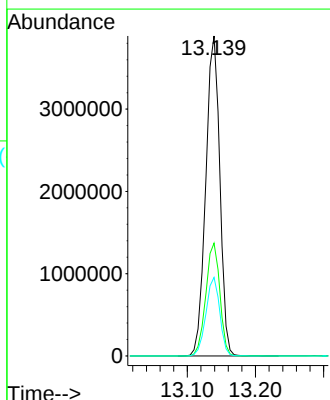
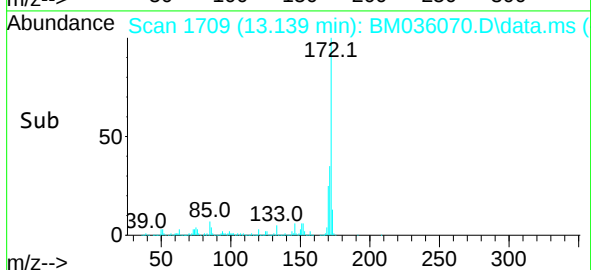
Reviewed By :Christian Giraldo 08/03/2022
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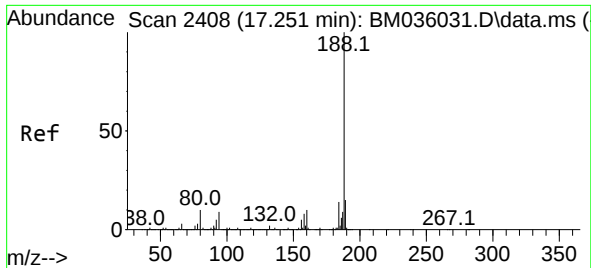


#45
2-Fluorobiphenyl
Concen: 72.155 ng
RT: 13.139 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



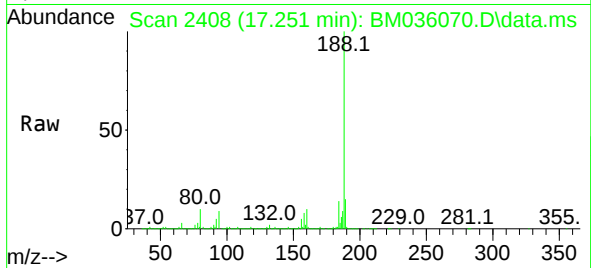
Tgt Ion:172 Resp: 5583576
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 24.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

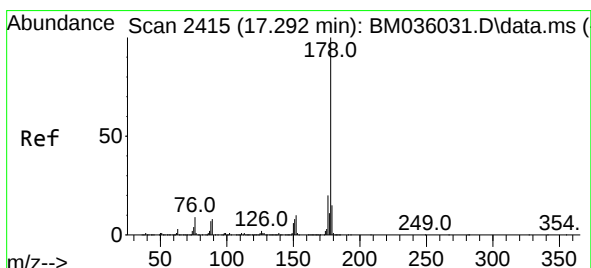
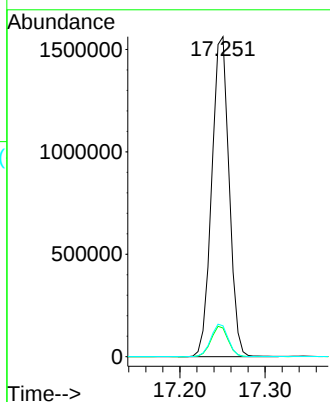
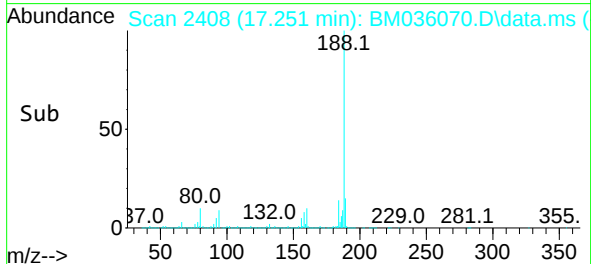
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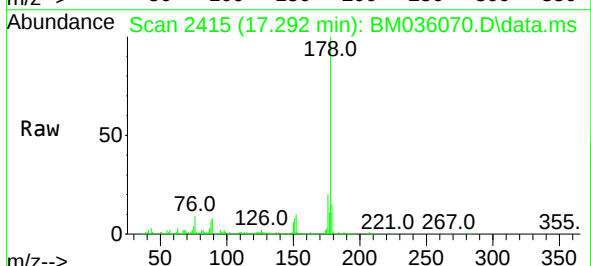
Tgt Ion:188 Resp: 221754
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 9.6 7.6 11.4

Manual Integrations
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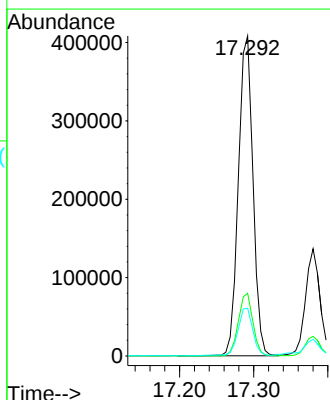
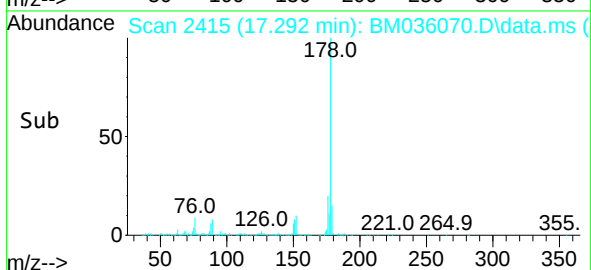
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

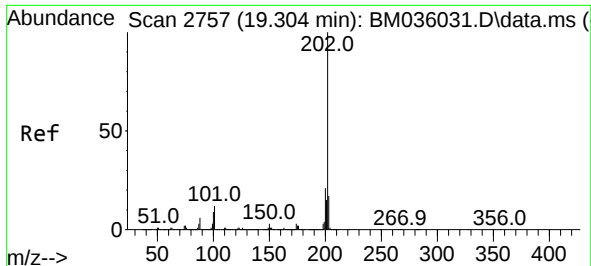


#71
Phenanthrene
Concen: 4.942 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



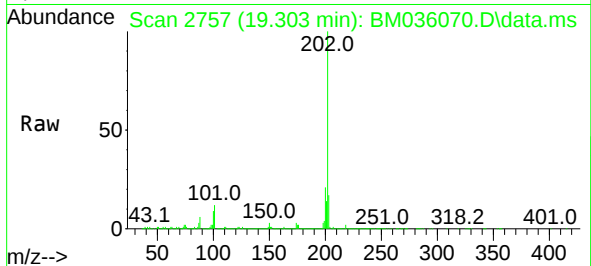
Tgt Ion:178 Resp: 558336
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 14.228 ng
RT: 19.303 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

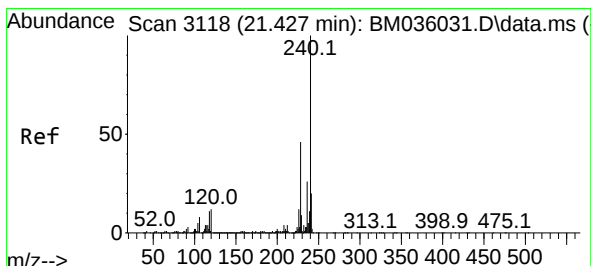
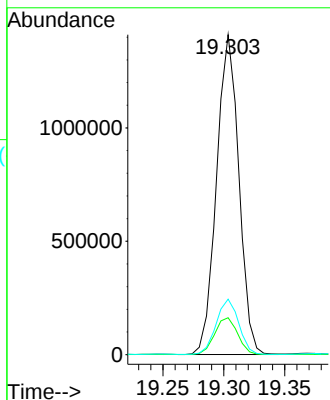
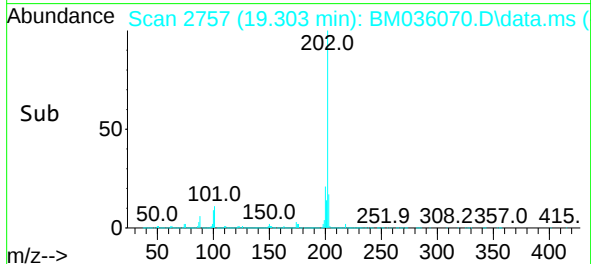
Instrument :
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ClientSampleId :
RVE-31



Tgt Ion:202 Resp: 1799374
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.6
203 17.3 0.0 37.4

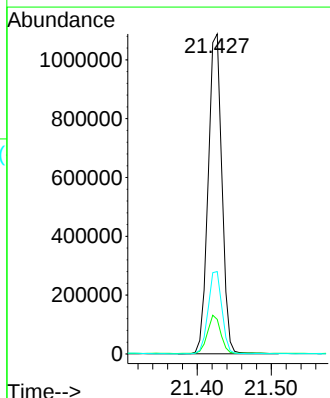
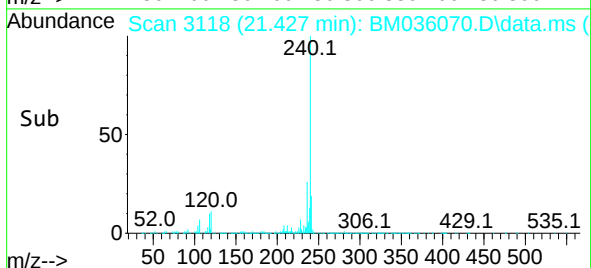
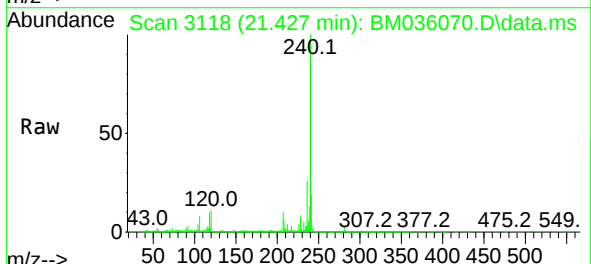
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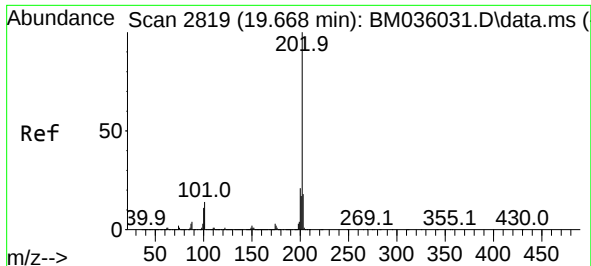
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

Tgt Ion:240 Resp: 1394654
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.0
236 25.8 20.6 30.8





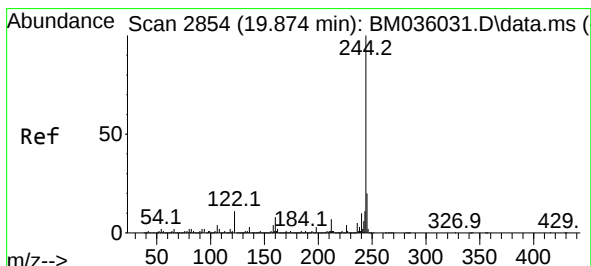
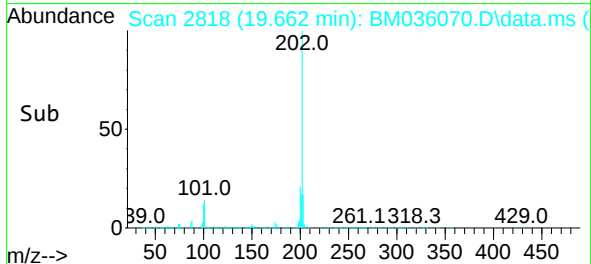
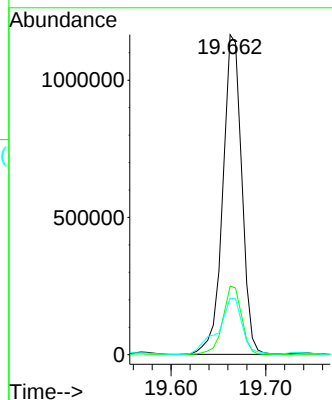
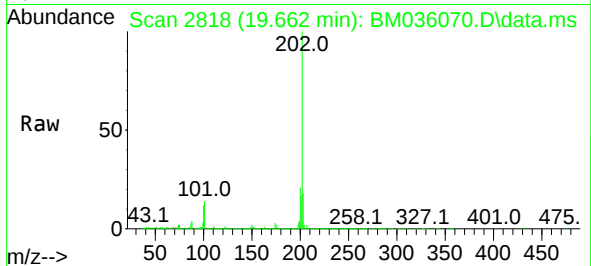
#78
Pyrene
Concen: 18.759 ng
RT: 19.662 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

Instrument :
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Tgt Ion:202 Resp: 1622308
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 17.7 13.9 20.9

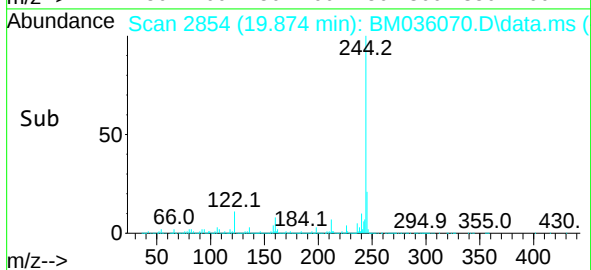
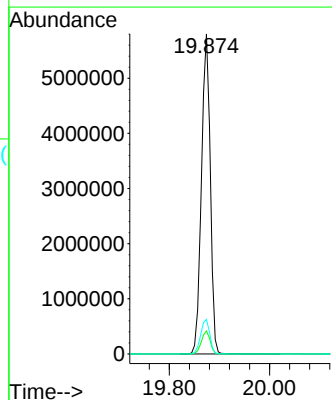
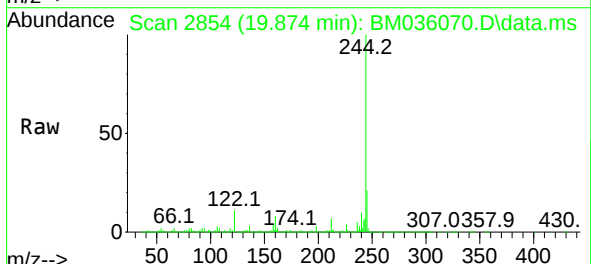
Manual Integrations
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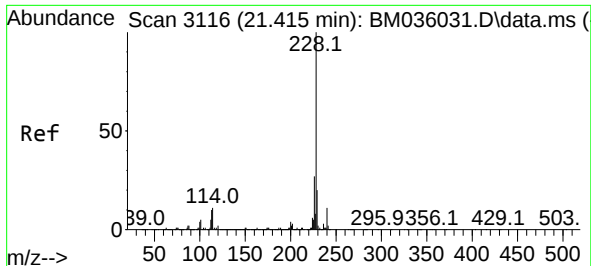
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#79
Terphenyl-d14
Concen: 99.962 ng
RT: 19.874 min Scan# 2854
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

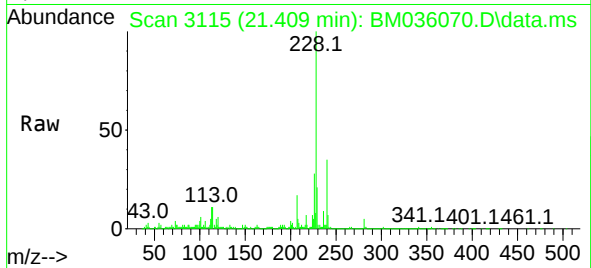
Tgt Ion:244 Resp: 7067977
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 10.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 9.233 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

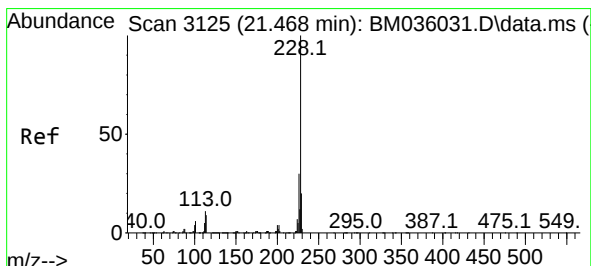
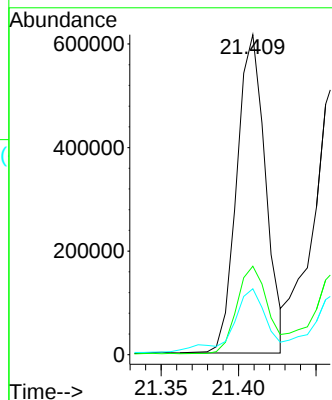
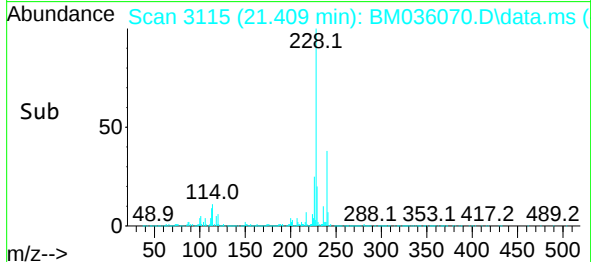
Instrument :
BNA_M
ClientSampleId :
RVE-31



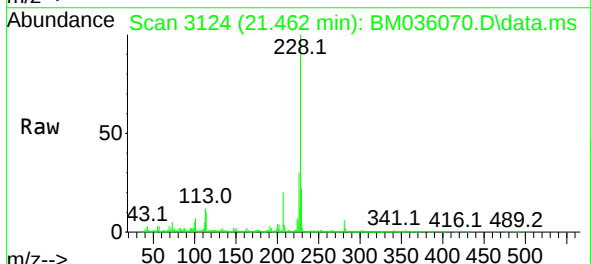
Tgt Ion:228 Resp: 793145
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 20.6 15.8 23.6

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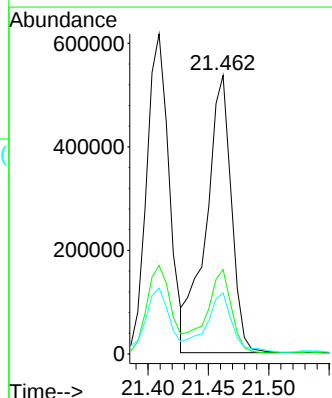
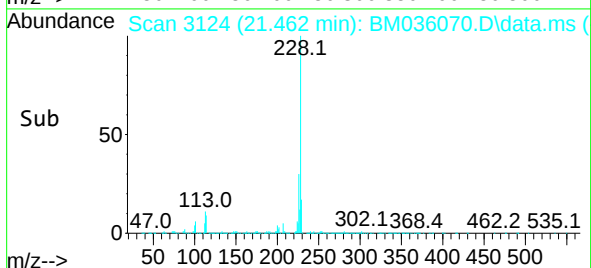
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

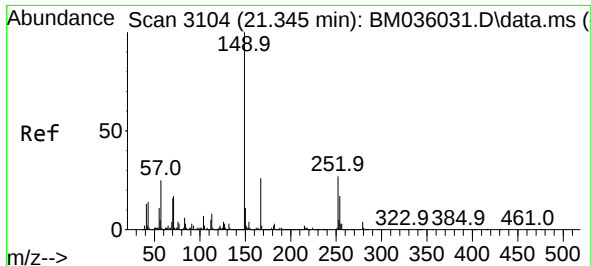


#83
Chrysene
Concen: 9.586 ng m
RT: 21.462 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



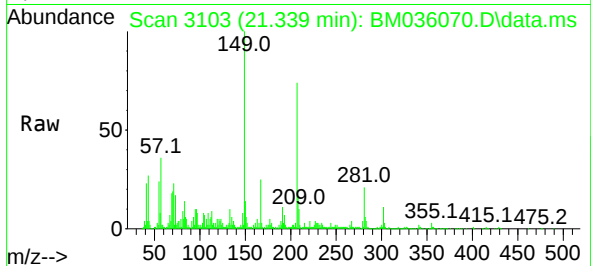
Tgt Ion:228 Resp: 782731
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.9 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.845 ng
RT: 21.339 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

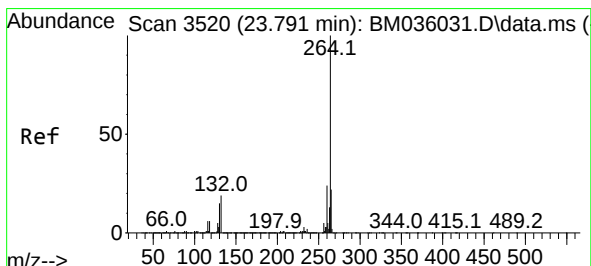
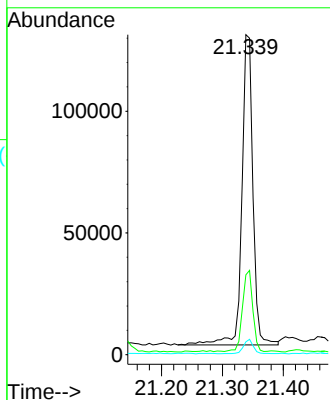
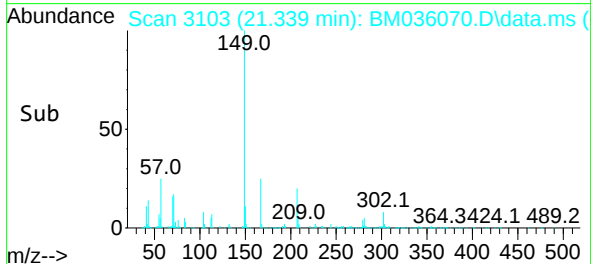
Instrument :
BNA_M
ClientSampleId :
RVE-31



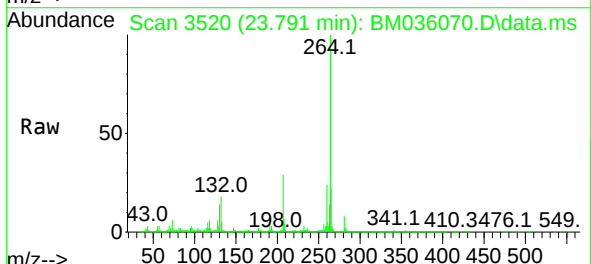
Tgt Ion:149 Resp: 16023
Ion Ratio Lower Upper
149 100
167 25.0 21.1 31.7
279 4.0 2.8 4.2

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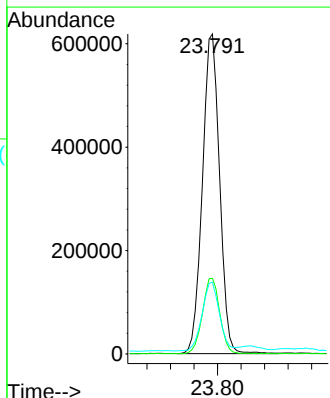
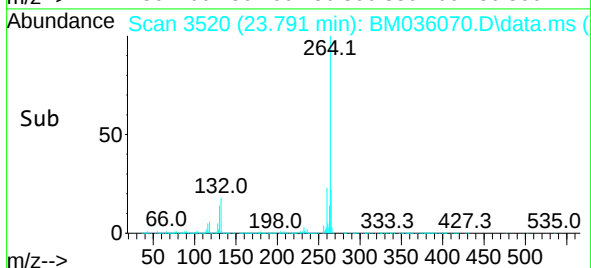
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

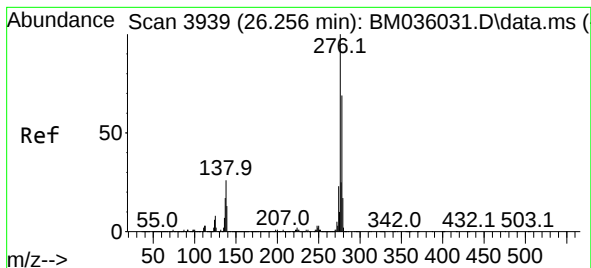


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.791 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22



Tgt Ion:264 Resp: 1255573
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.014 ng

RT: 26.244 min Scan# 3939

Delta R.T. -0.012 min

Lab File: BM036070.D

Acq: 03 Aug 2022 02:22

Instrument :

BNA_M

ClientSampleId :

RVE-31

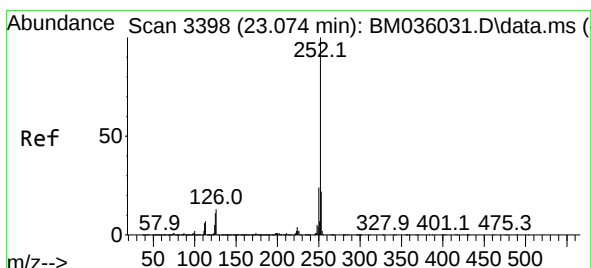
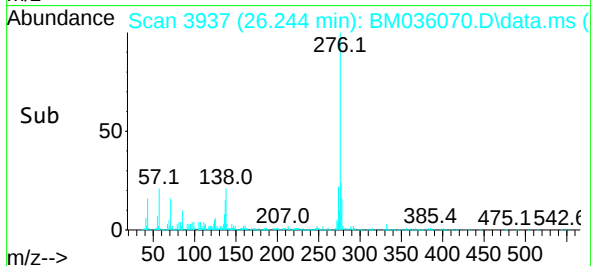
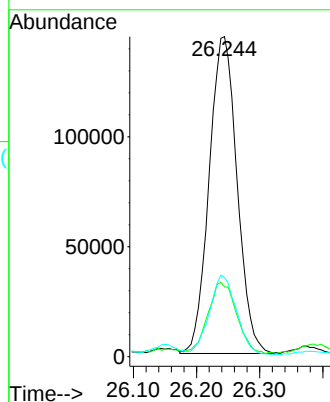
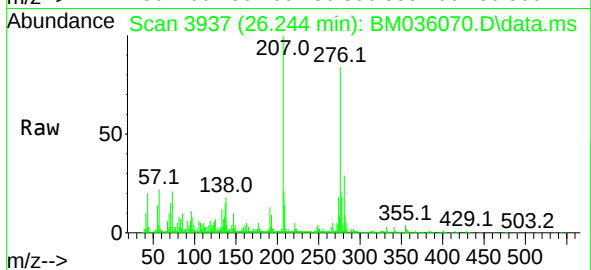
Tgt Ion:	276	Resp:	44243
Ion Ratio	Lower	Upper	
276	100		
138	23.2	20.2	30.4
277	24.5	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/03/2022

Supervised By :Jagrut Upadhyay 08/04/2022



#88

Benzo(b)fluoranthene

Concen: 13.439 ng

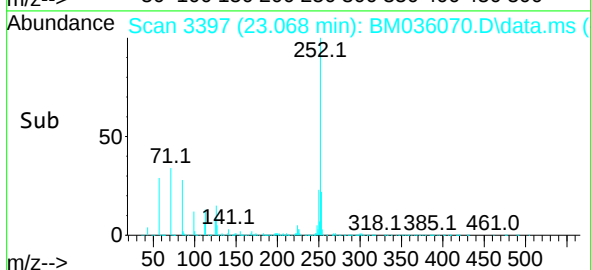
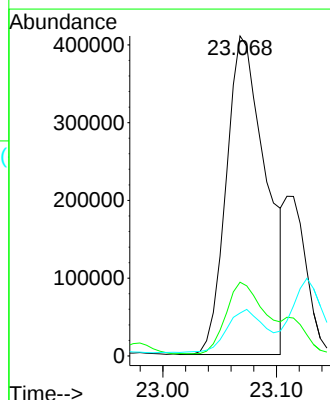
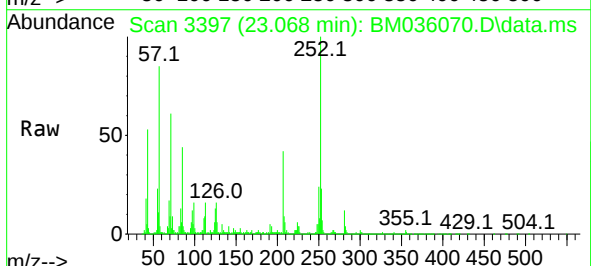
RT: 23.068 min Scan# 3397

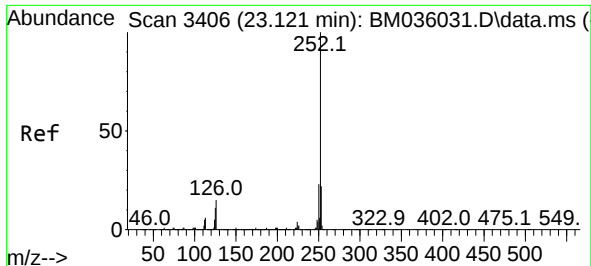
Delta R.T. -0.006 min

Lab File: BM036070.D

Acq: 03 Aug 2022 02:22

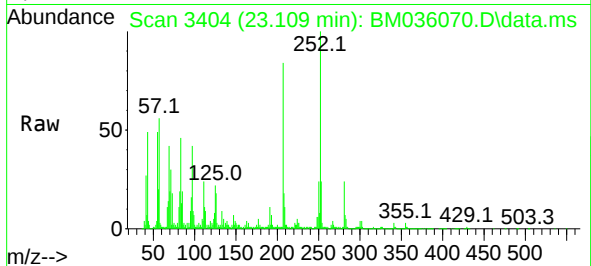
Tgt Ion:	252	Resp:	988617
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	13.4	7.6	11.4





#89
Benzo(k)fluoranthene
Concen: 3.672 ng m
RT: 23.109 min Scan# 3406
Delta R.T. -0.012 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

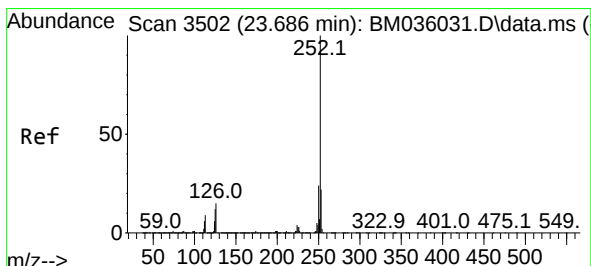
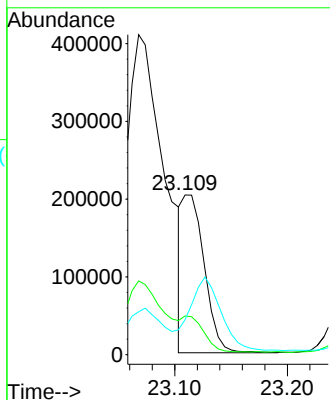
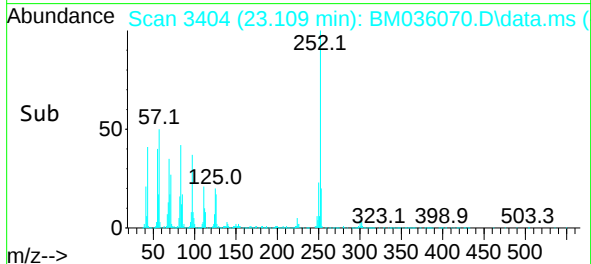
Instrument :
BNA_M
ClientSampleId :
RVE-31



Tgt Ion:252 Resp: 27281
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 21.9 7.6 11.4

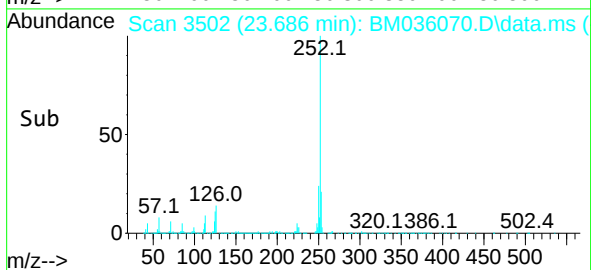
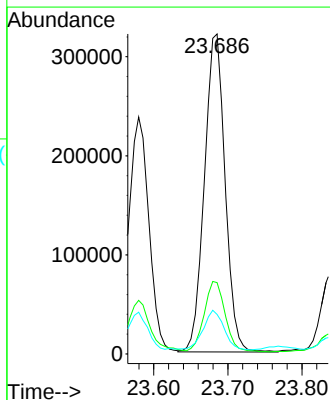
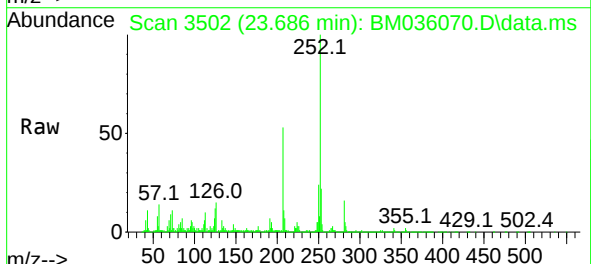
Manual Integrations
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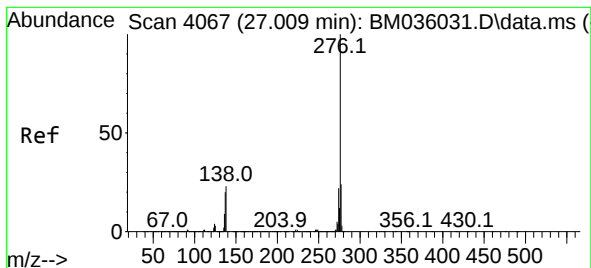
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022



#90
Benzo(a)pyrene
Concen: 10.088 ng
RT: 23.686 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BM036070.D
Acq: 03 Aug 2022 02:22

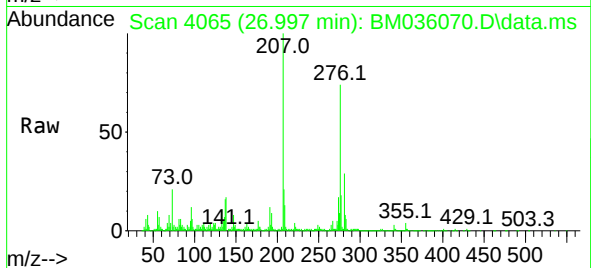
Tgt Ion:252 Resp: 622673
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 12.4 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.101 ng
 RT: 26.997 min Scan# 4065
 Delta R.T. -0.012 min
 Lab File: BM036070.D
 Acq: 03 Aug 2022 02:22

Instrument :
 BNA_M
 ClientSampleId :
 RVE-31



Tgt Ion: 276 Resp: 43622

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	23.3	17.6	26.4

Manual Integrations
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Reviewed By :Christian Giraldo 08/03/2022
 Supervised By :Jagrut Upadhyay 08/04/2022

