

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
 Data File : BM036174.D
 Acq On : 09 Aug 2022 14:23
 Operator : CG/JU
 Sample : N3963-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-211

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 03:33:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	246097	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	972158	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	559297	20.000	ng	-0.01
64) Phenanthrene-d10	17.227	188	1160282	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1166465	20.000	ng	-0.01
86) Perylene-d12	23.768	264	1235455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1457134	95.994	ng	0.00
7) Phenol-d6	7.051	99	1795881	92.980	ng	-0.01
23) Nitrobenzene-d5	9.010	82	1078046	62.074	ng	-0.01
42) 2,4,6-Tribromophenol	15.974	330	682340	103.995	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	2354953	62.168	ng	-0.01
79) Terphenyl-d14	19.851	244	3721229	62.924	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.210	152	104122	2.159	ng	99
71) Phenanthrene	17.268	178	177276	2.999	ng	100
75) Fluoranthene	19.286	202	406116	6.138	ng	99
78) Pyrene	19.645	202	511081	7.066	ng	100
81) Benzo(a)anthracene	21.398	228	249300m	3.470	ng	
83) Chrysene	21.445	228	280095	4.101	ng	98
88) Benzo(b)fluoranthene	23.050	252	352272m	4.867	ng	
90) Benzo(a)pyrene	23.662	252	273537	4.504	ng	# 94
92) Benzo(g,h,i)perylene	26.962	276	239556	3.405	ng	95

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

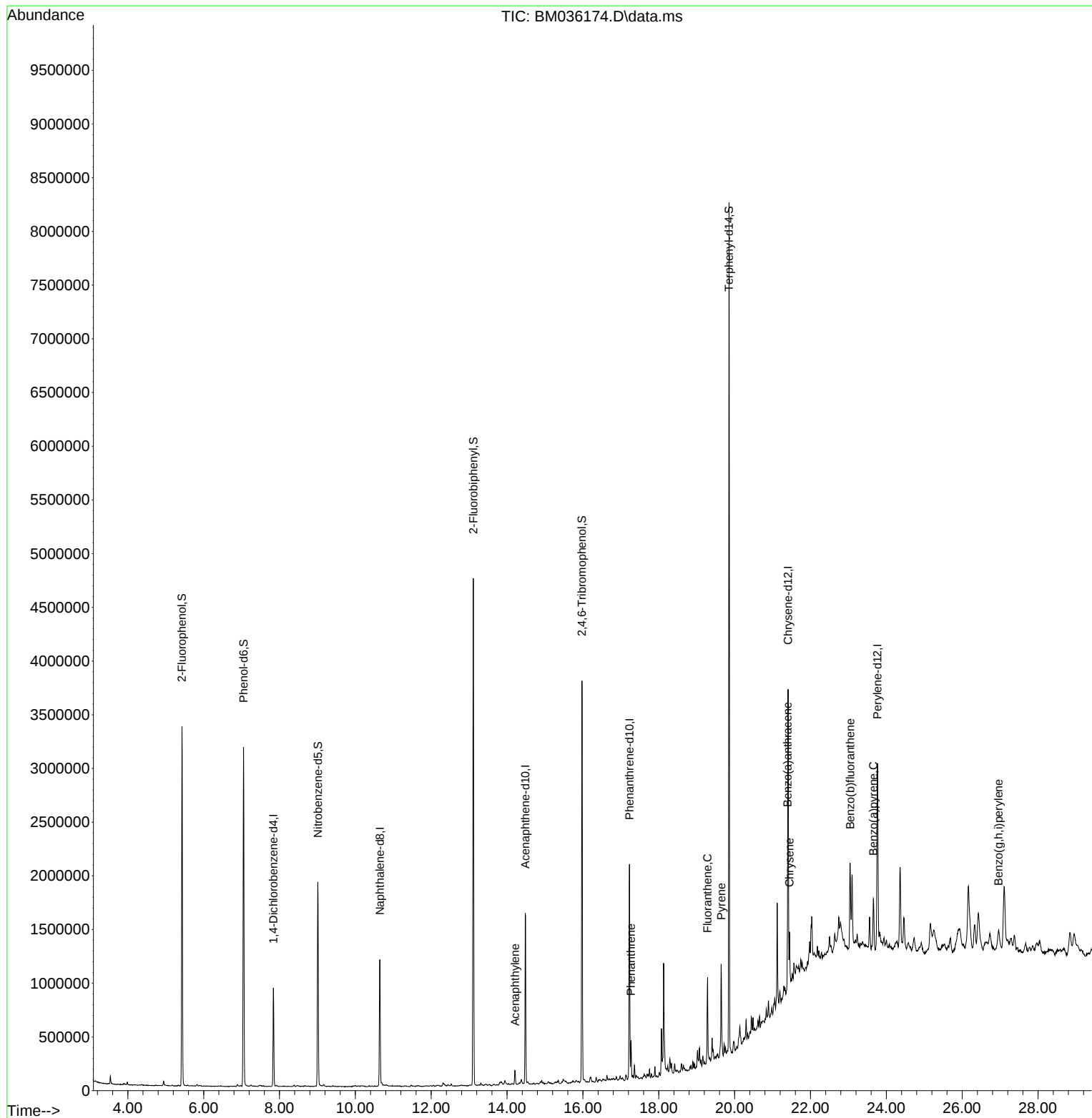
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
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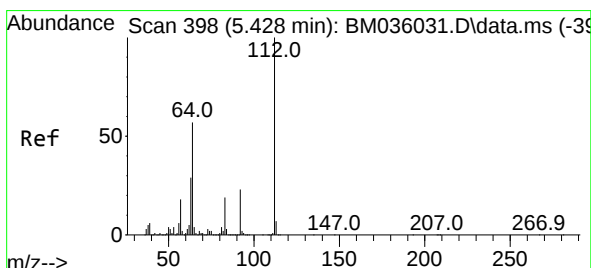
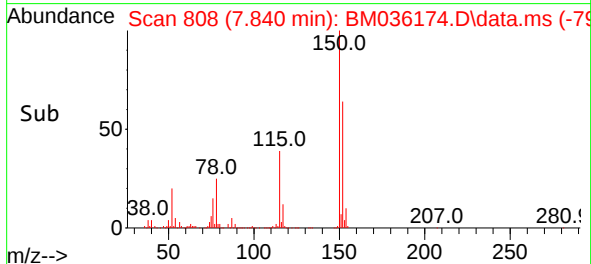
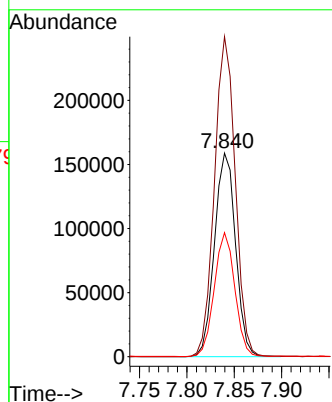
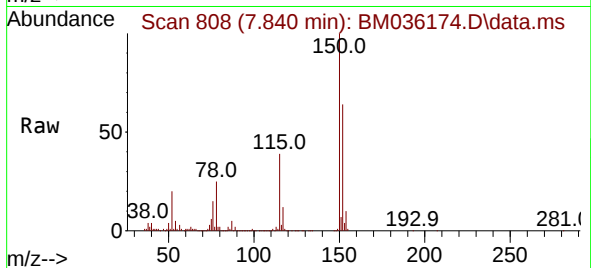
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

Instrument :
BNA_M
ClientSampleId :
RVE-211

Tgt Ion:152 Resp: 246097
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 60.9 47.9 71.9

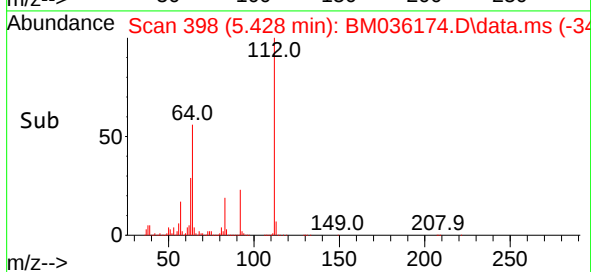
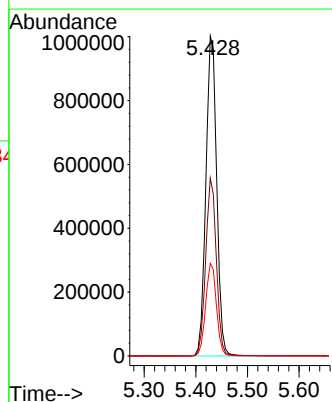
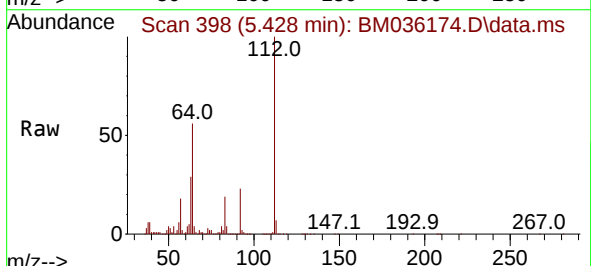
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#5
2-Fluorophenol
Concen: 95.994 ng
RT: 5.428 min Scan# 398
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

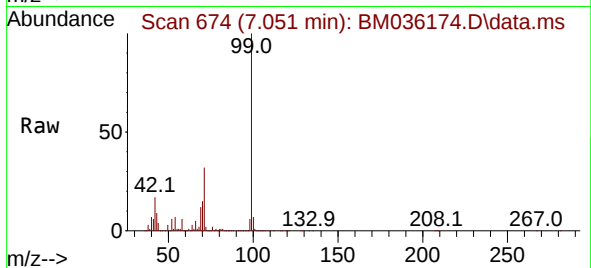
Tgt Ion:112 Resp: 1457134
Ion Ratio Lower Upper
112 100
64 55.6 47.8 71.6
63 28.9 26.6 40.0





#7
Phenol-d6
Concen: 92.980 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

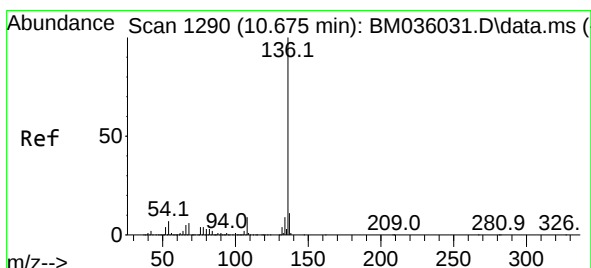
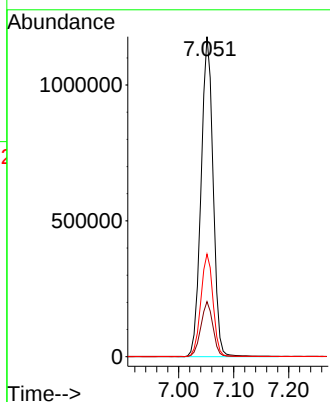
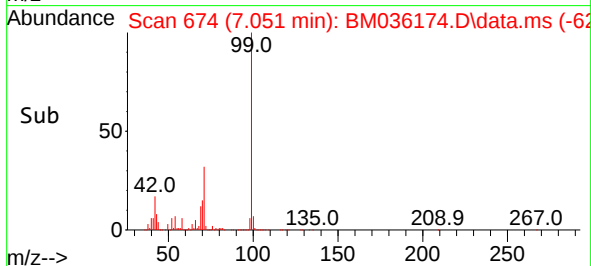
Instrument :
BNA_M
ClientSampleId :
RVE-211



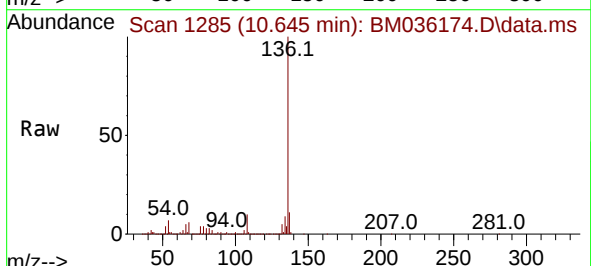
Tgt Ion: 99 Resp: 179588
Ion Ratio Lower Upper
99 100
42 17.2 18.8 28.2
71 32.0 30.2 45.2

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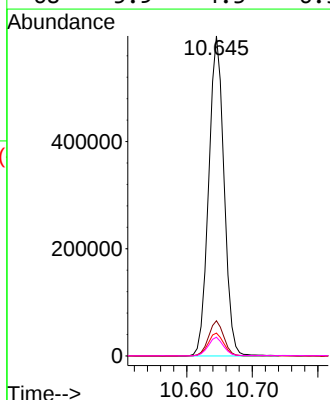
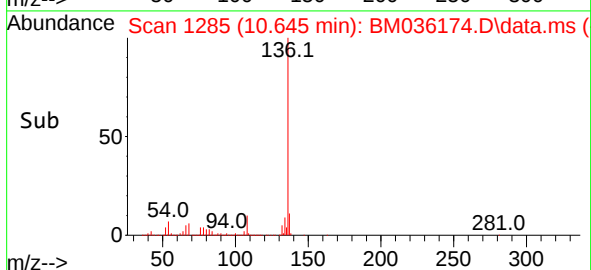
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



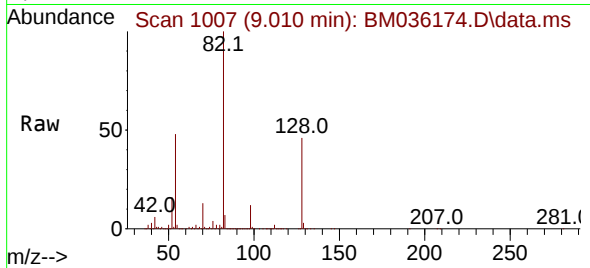
Tgt Ion:136 Resp: 972158
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.1 7.0 10.4
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 62.074 ng
RT: 9.010 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

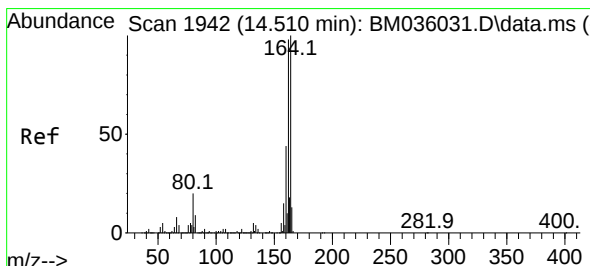
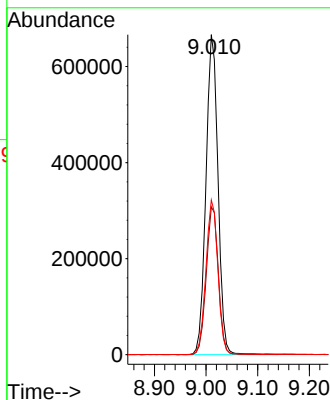
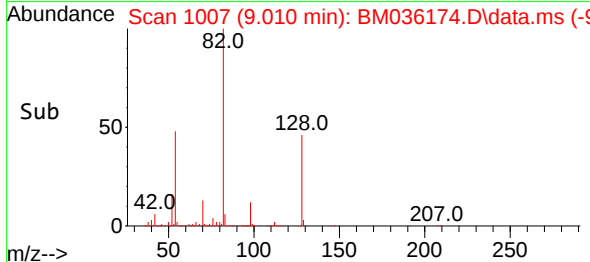
Instrument :
BNA_M
ClientSampleId :
RVE-211



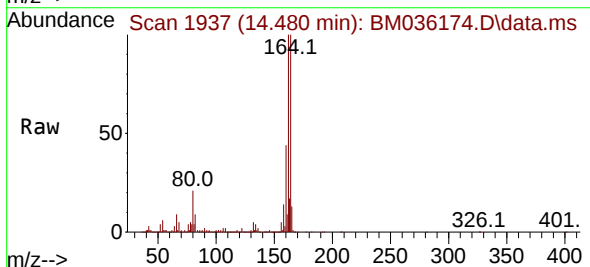
Tgt Ion: 82 Resp: 1078040
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 48.4 43.2 64.8

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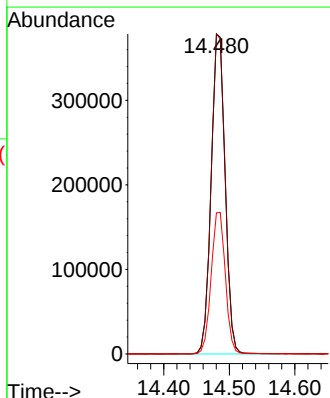
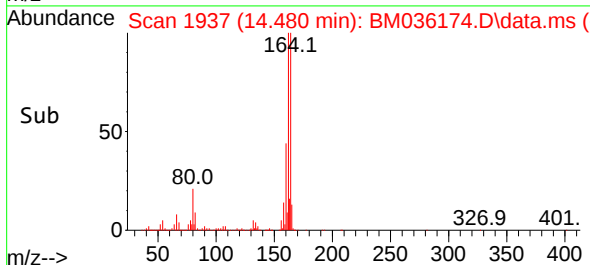
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



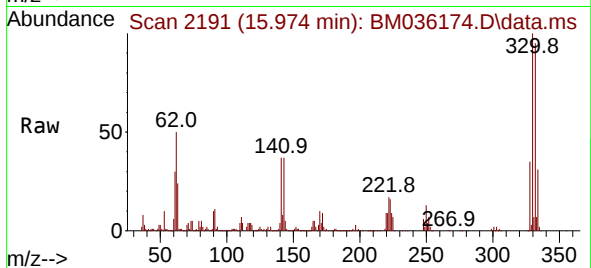
Tgt Ion:164 Resp: 559297
Ion Ratio Lower Upper
164 100
162 100.0 83.0 124.6
160 44.1 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 103.995 ng
RT: 15.974 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

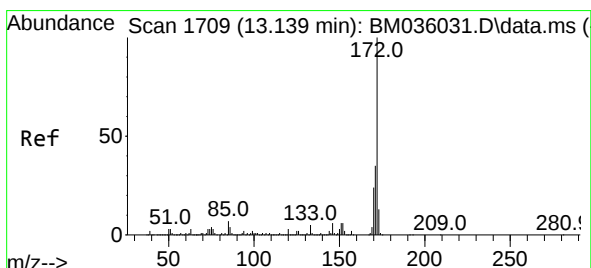
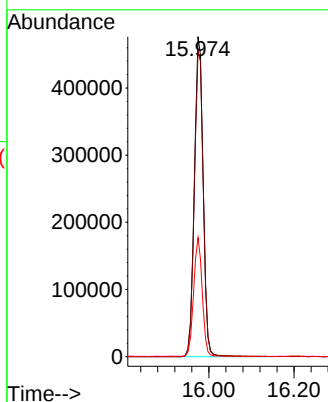
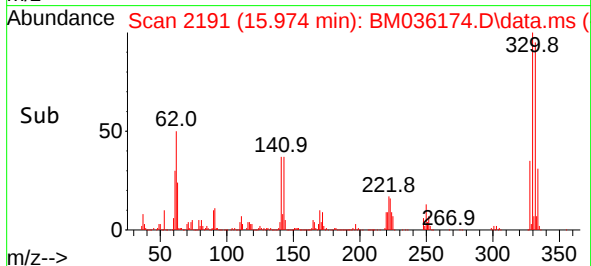
Instrument :
BNA_M
ClientSampleId :
RVE-211



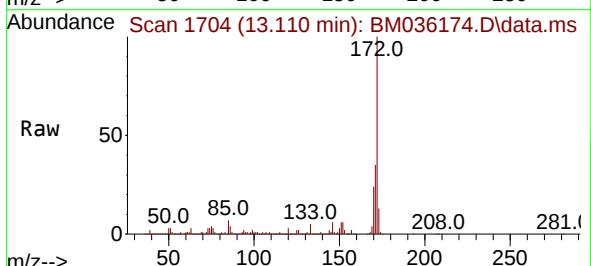
Tgt Ion:330 Resp: 682340
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 36.0 35.3 52.9

Manual Integrations
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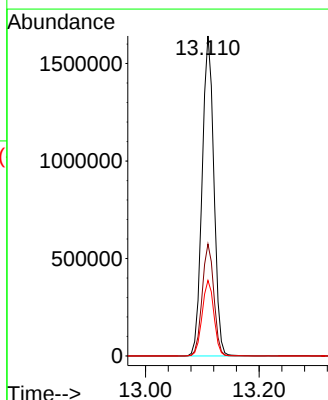
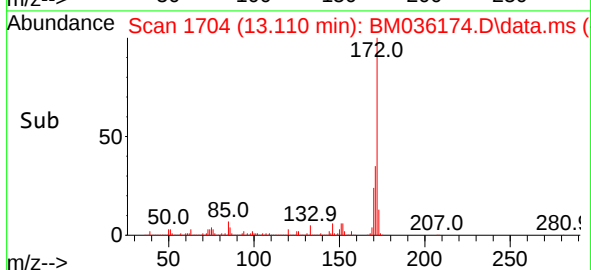
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

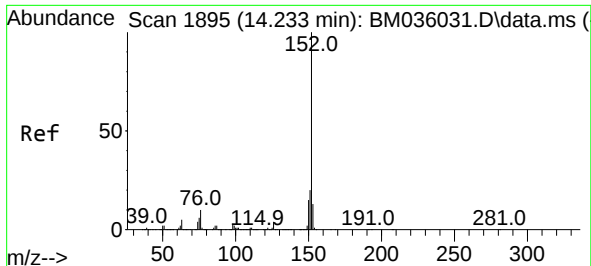


#45
2-Fluorobiphenyl
Concen: 62.168 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



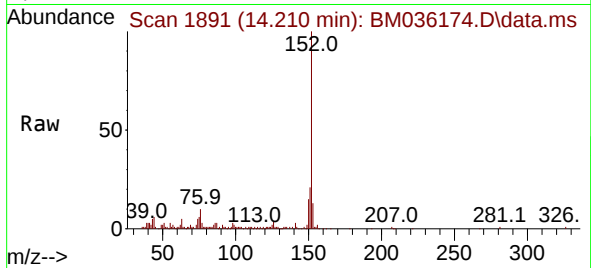
Tgt Ion:172 Resp: 2354953
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.6 18.7 28.1





#49
Acenaphthylene
Concen: 2.159 ng
RT: 14.210 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

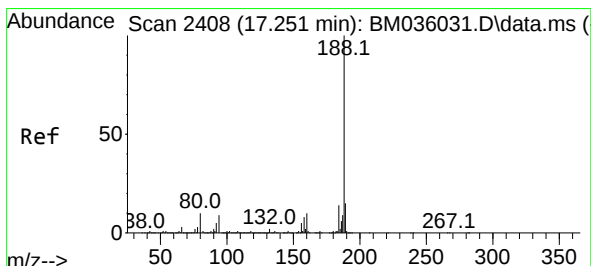
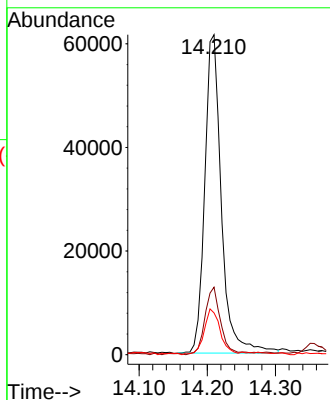
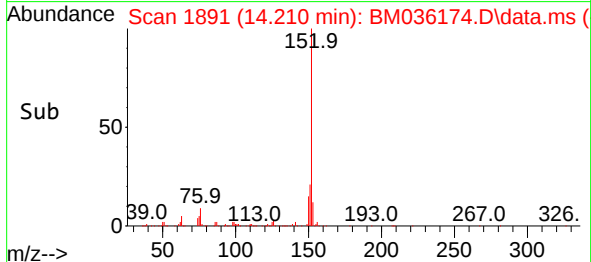
Instrument :
BNA_M
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RVE-211



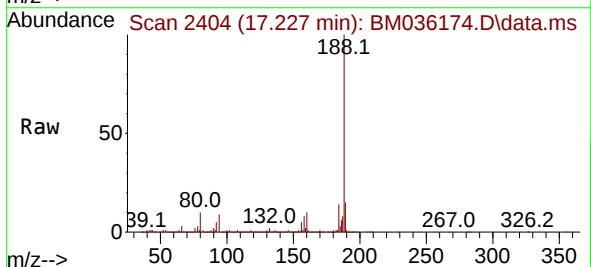
Tgt Ion:152 Resp: 10412
Ion Ratio Lower Upper
152 100
151 21.1 16.2 24.2
153 13.0 10.5 15.7

Manual Integrations
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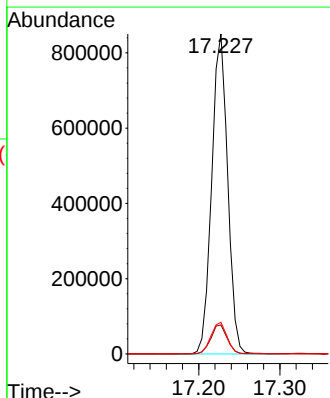
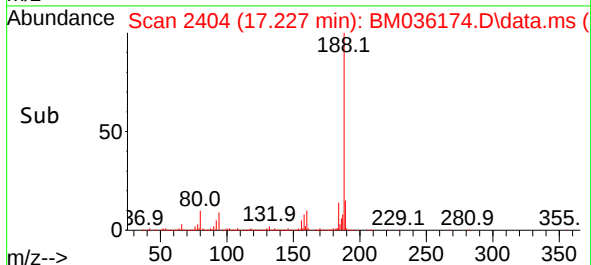
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

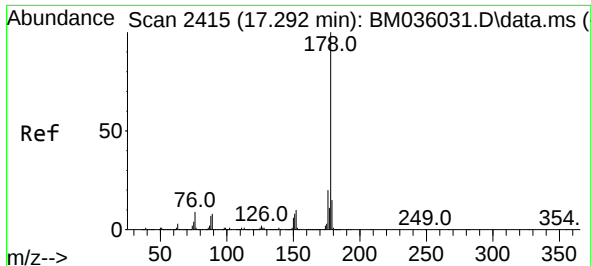


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



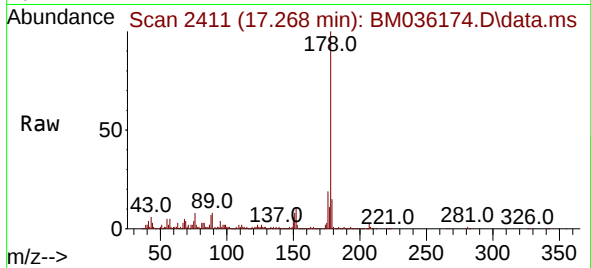
Tgt Ion:188 Resp: 1160282
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 9.9 7.6 11.4





#71
Phenanthrene
Concen: 2.999 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

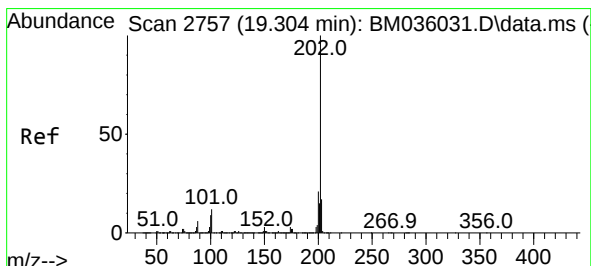
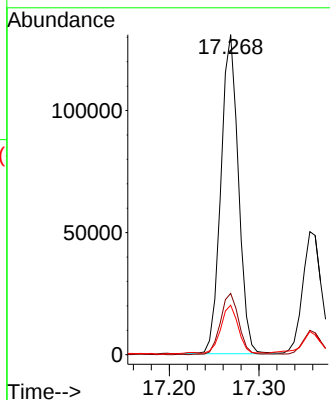
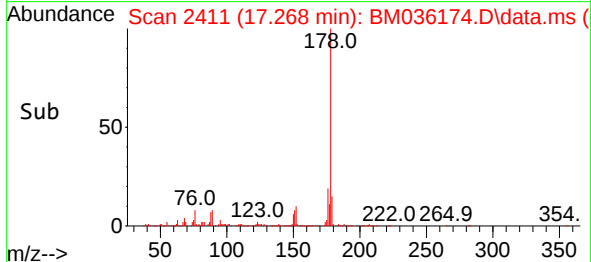
Instrument :
BNA_M
ClientSampleId :
RVE-211



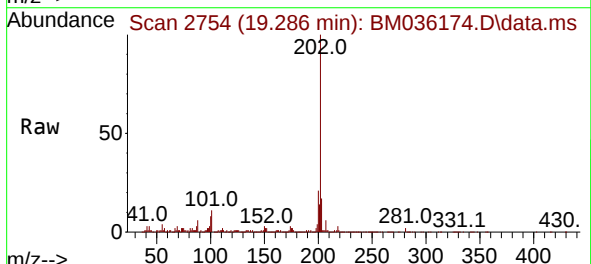
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Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6

Manual Integrations
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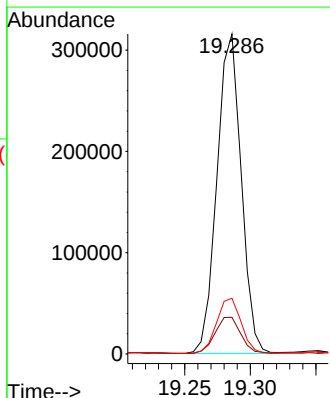
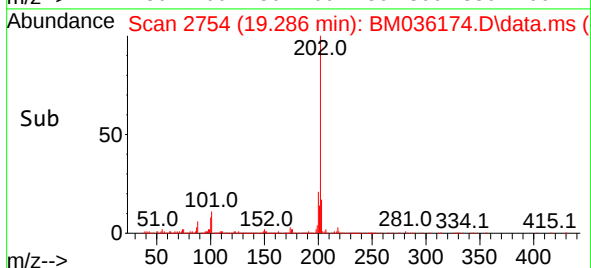
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

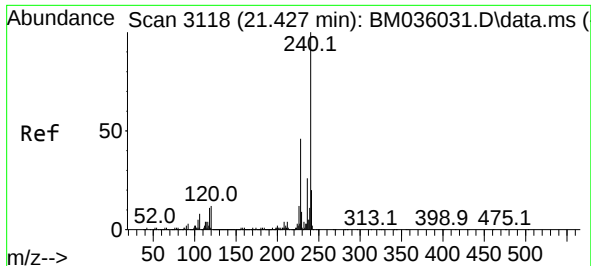


#75
Fluoranthene
Concen: 6.138 ng
RT: 19.286 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



Tgt Ion:202 Resp: 406116
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.6
203 17.4 0.0 37.4





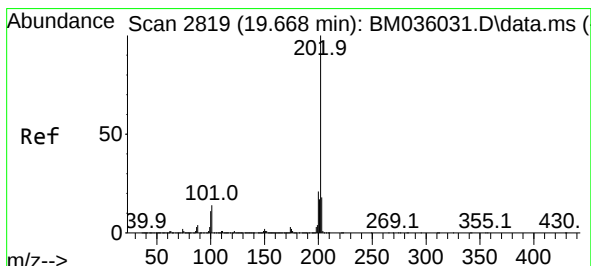
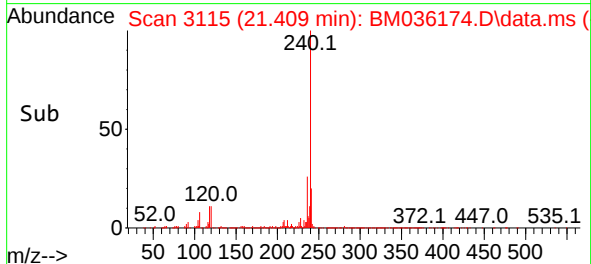
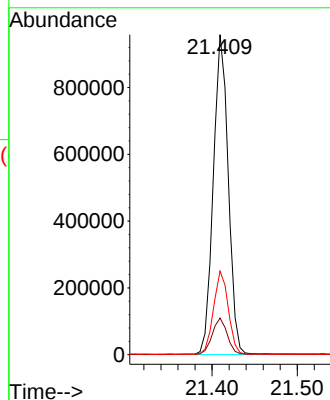
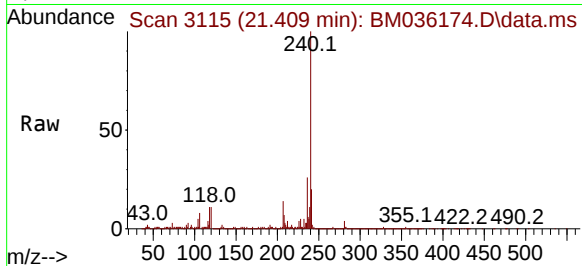
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

Instrument :
BNA_M
ClientSampleId :
RVE-211

Tgt Ion:240 Resp: 116646
Ion Ratio Lower Upper
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120 11.5 9.4 14.0
236 26.1 20.6 30.8

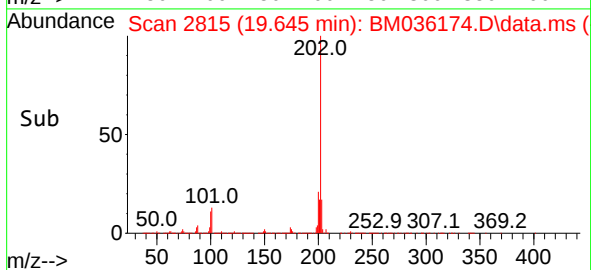
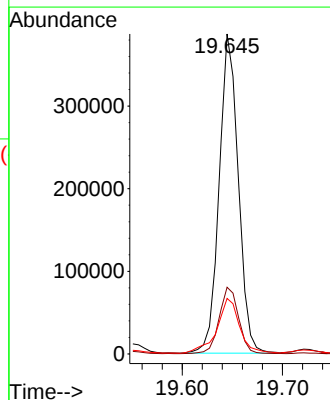
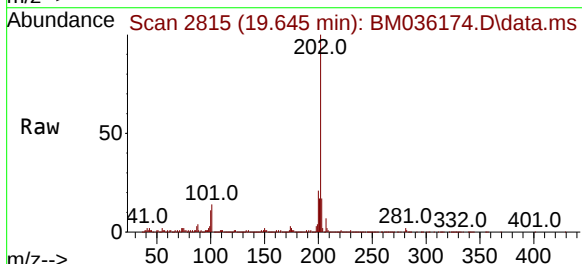
Manual Integrations
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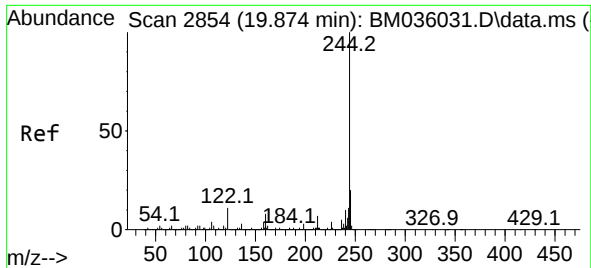
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#78
Pyrene
Concen: 7.066 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

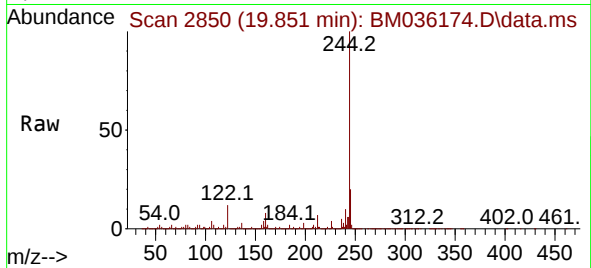
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Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.4 13.9 20.9





#79
Terphenyl-d14
Concen: 62.924 ng
RT: 19.851 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

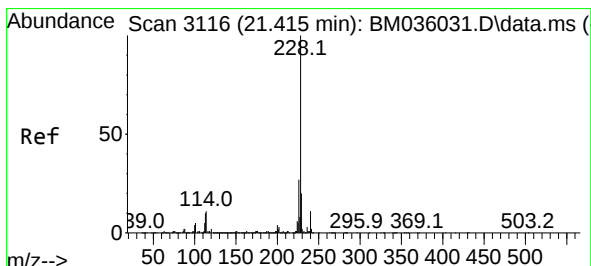
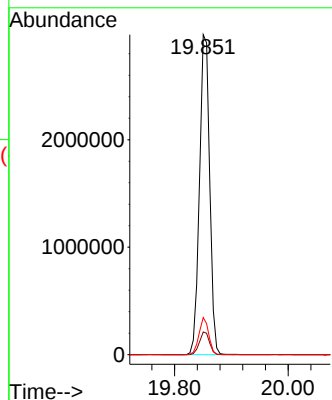
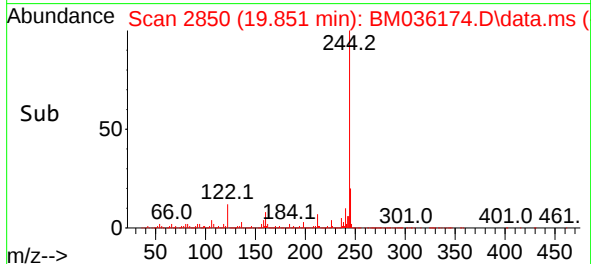
Instrument :
BNA_M
ClientSampleId :
RVE-211



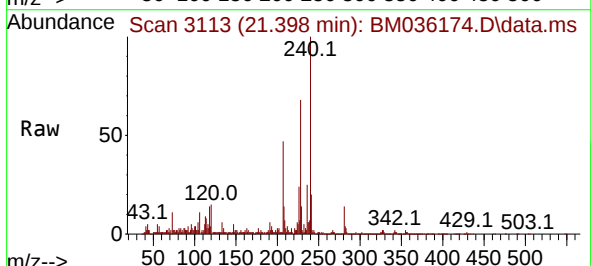
Tgt Ion:244 Resp: 3721229
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.4
122 11.6 8.3 12.5

Manual Integrations
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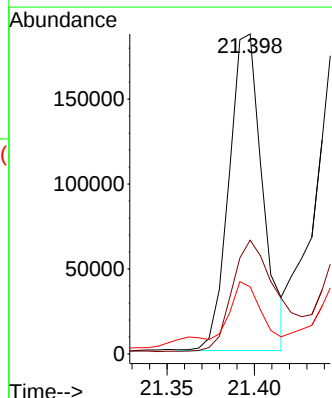
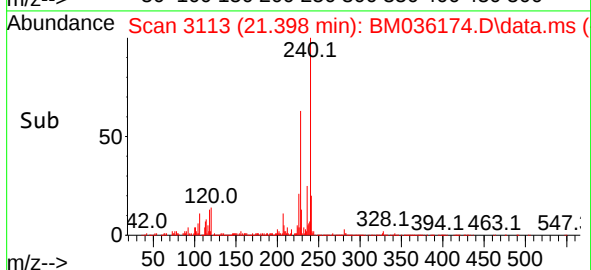
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

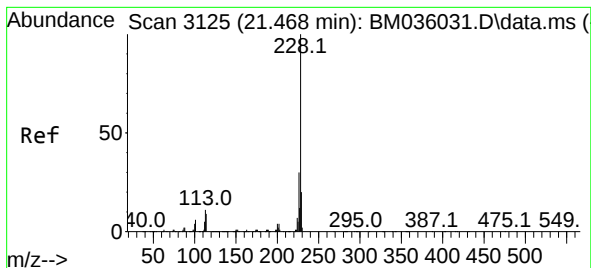


#81
Benzo(a)anthracene
Concen: 3.470 ng m
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23



Tgt Ion:228 Resp: 249300
Ion Ratio Lower Upper
228 100
226 35.5 22.3 33.5#
229 21.0 15.8 23.6





#83

Chrysene

Concen: 4.101 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM036174.D

Acq: 09 Aug 2022 14:23

Instrument :

BNA_M

ClientSampleId :

RVE-211

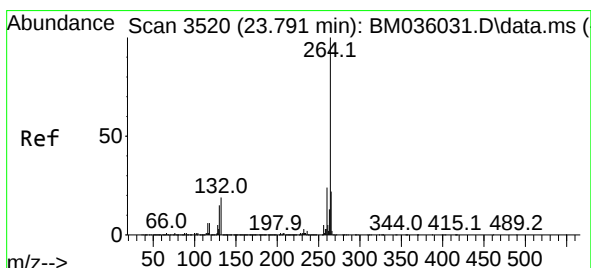
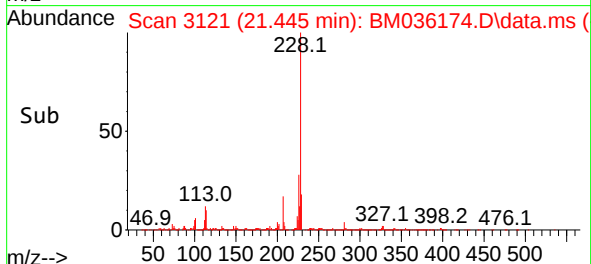
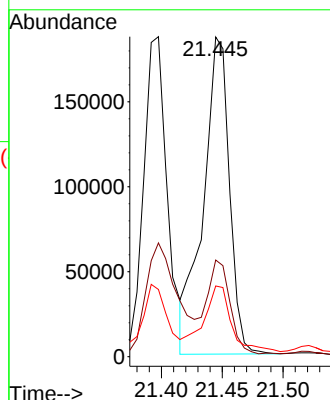
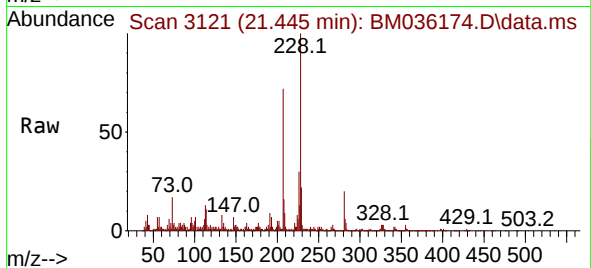
Tgt Ion:	228	Resp:	28009
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	22.1	15.8	23.8

Manual Integrations

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Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022



#86

Perylene-d12

Concen: 20.000 ng

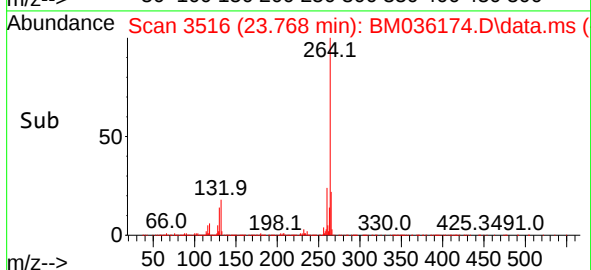
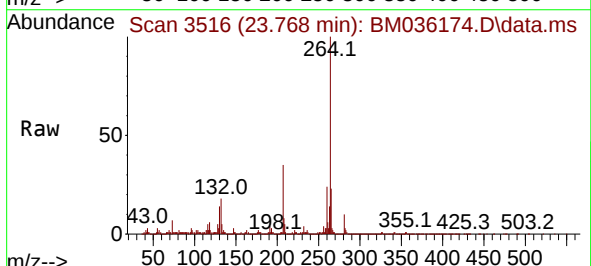
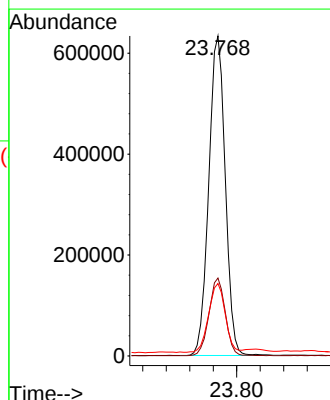
RT: 23.768 min Scan# 3516

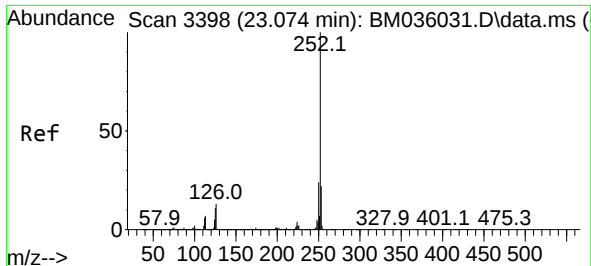
Delta R.T. -0.006 min

Lab File: BM036174.D

Acq: 09 Aug 2022 14:23

Tgt Ion:	264	Resp:	1235455
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.9	28.3
265	22.6	17.5	26.3





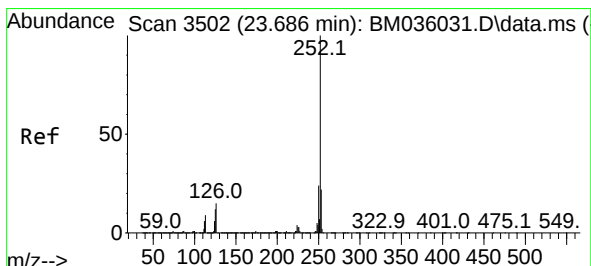
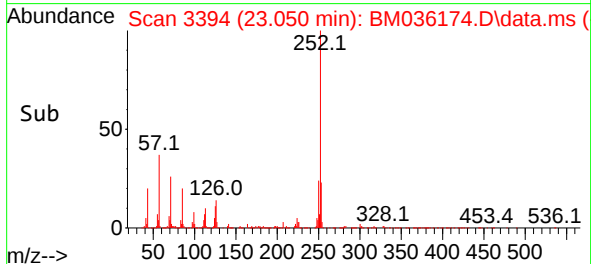
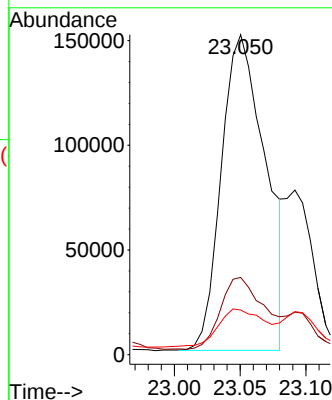
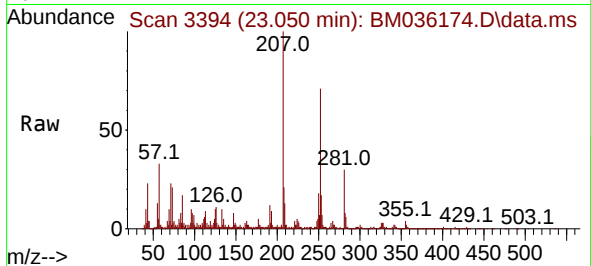
#88
Benzo(b)fluoranthene
Concen: 4.867 ng m
RT: 23.050 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

Instrument :
BNA_M
ClientSampleId :
RVE-211

Tgt Ion:252 Resp: 352272
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 13.9 7.6 11.4

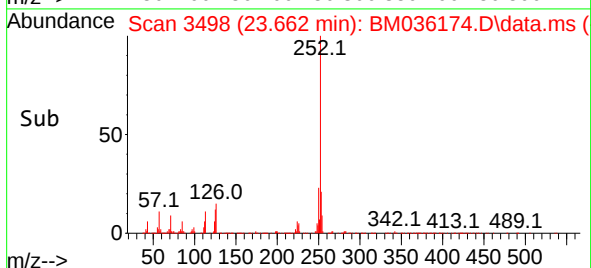
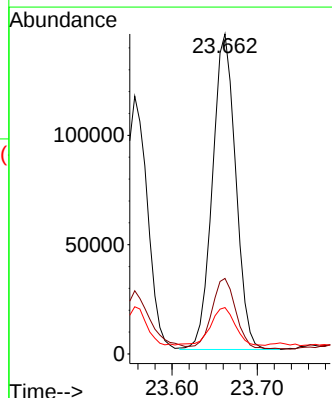
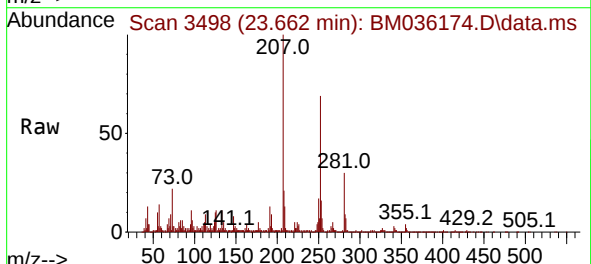
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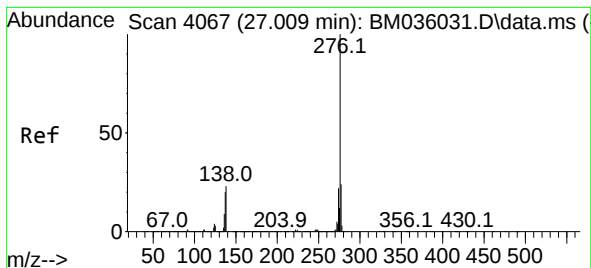
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#90
Benzo(a)pyrene
Concen: 4.504 ng
RT: 23.662 min Scan# 3498
Delta R.T. -0.012 min
Lab File: BM036174.D
Acq: 09 Aug 2022 14:23

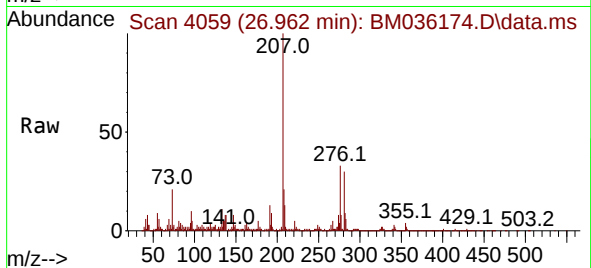
Tgt Ion:252 Resp: 273537
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 14.5 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 3.405 ng
 RT: 26.962 min Scan# 4059
 Delta R.T. -0.029 min
 Lab File: BM036174.D
 Acq: 09 Aug 2022 14:23

Instrument :
 BNA_M
 ClientSampleId :
 RVE-211



Tgt Ion: 276 Resp: 239550
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.7 28.1
 138 25.2 17.6 26.4

Manual Integrations
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Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

