

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
 Data File : BM036165.D
 Acq On : 09 Aug 2022 03:59
 Operator : CG/JU
 Sample : N3963-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-212

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 04:33:54 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	7.845	152	266740	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1069721	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	614720	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1193974	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1109117	20.000	ng	-0.01
86) Perylene-d12	23.768	264	1193937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1878221	114.159	ng	0.00
7) Phenol-d6	7.063	99	2346231	112.073	ng	0.00
23) Nitrobenzene-d5	9.016	82	1420839	74.350	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	879482	121.956	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	3148059	75.612	ng	0.00
79) Terphenyl-d14	19.856	244	4365986	77.644	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.210	152	119227	2.250	ng	98
72) Anthracene	17.362	178	208199	3.535	ng	98
75) Fluoranthene	19.286	202	661885	9.721	ng	98
78) Pyrene	19.645	202	766822	11.150	ng	99
81) Benzo(a)anthracene	21.392	228	582340	8.524	ng	98
83) Chrysene	21.445	228	623287m	9.598	ng	
87) Indeno(1,2,3-cd)pyrene	26.209	276	471602	5.621	ng	95
88) Benzo(b)fluoranthene	23.050	252	1341032	19.171	ng	# 96
89) Benzo(k)fluoranthene	23.092	252	439862m	6.226	ng	
90) Benzo(a)pyrene	23.662	252	715396	12.189	ng	# 94
92) Benzo(g,h,i)perylene	26.968	276	427005	6.280	ng	98

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

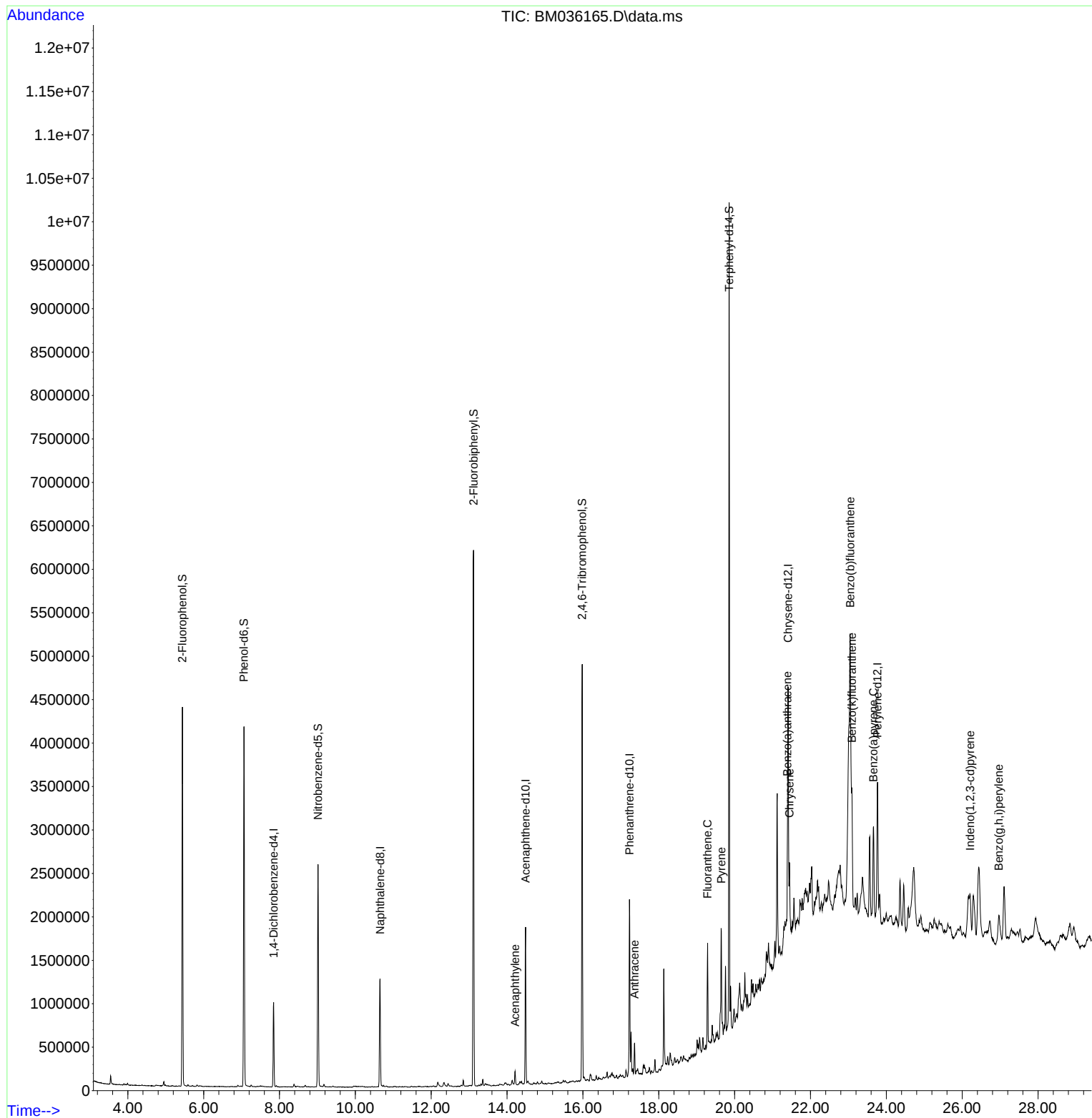
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
Data File : BM036165.D
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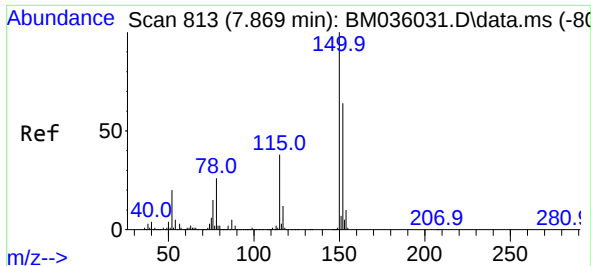
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Quant Time: Aug 09 04:33:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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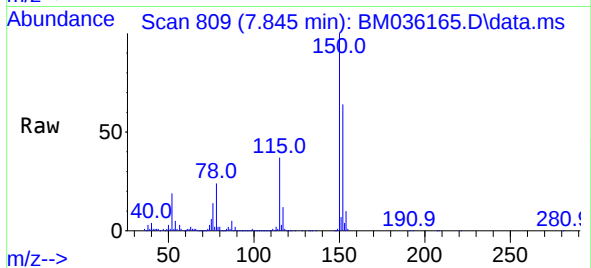
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

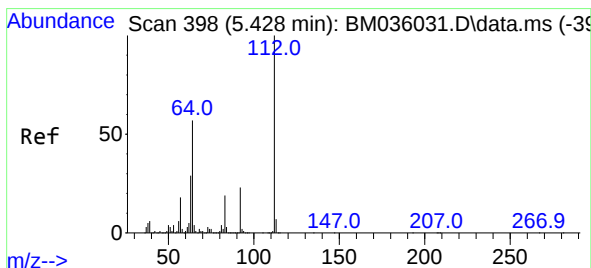
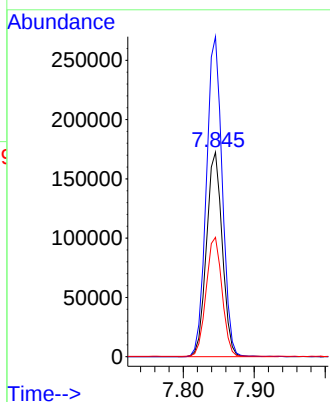
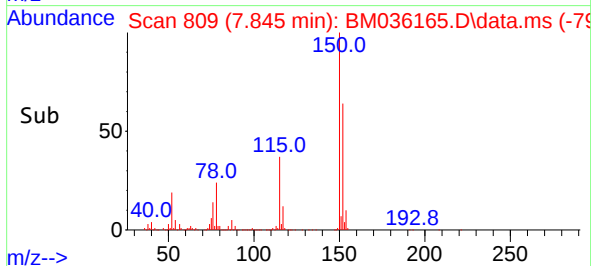
Instrument :
BNA_M
ClientSampleId :
RVE-212



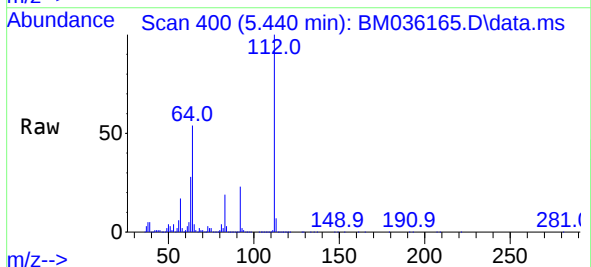
Tgt Ion:152 Resp: 266740
Ion Ratio Lower Upper
152 100
150 156.5 124.9 187.3
115 58.4 47.9 71.9

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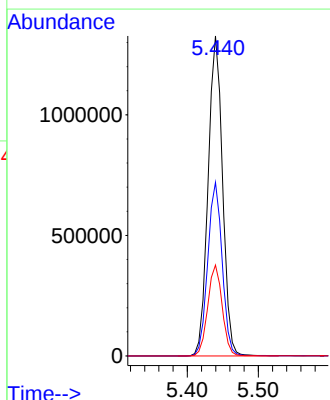
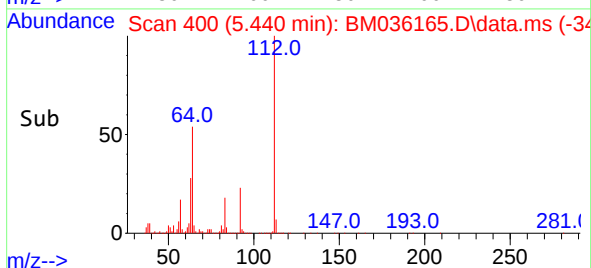
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Supervised By :Jagrut Upadhyay 08/09/2022

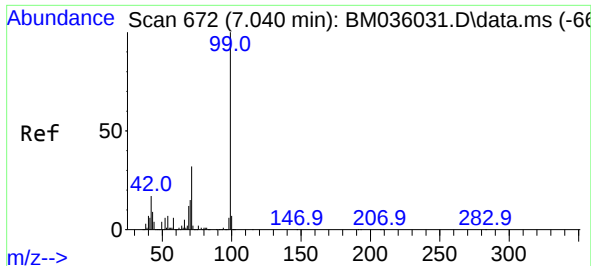


#5
2-Fluorophenol
Concen: 114.159 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



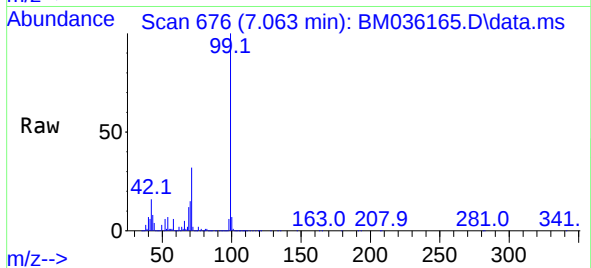
Tgt Ion:112 Resp: 1878221
Ion Ratio Lower Upper
112 100
64 54.3 47.8 71.6
63 28.4 26.6 40.0





#7
Phenol-d6
Concen: 112.073 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

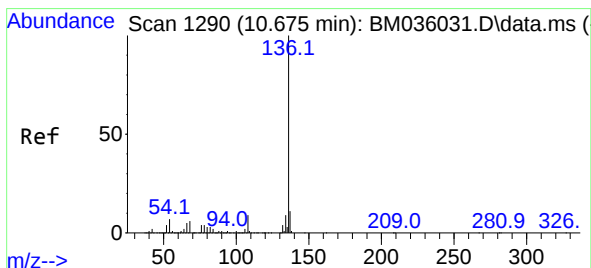
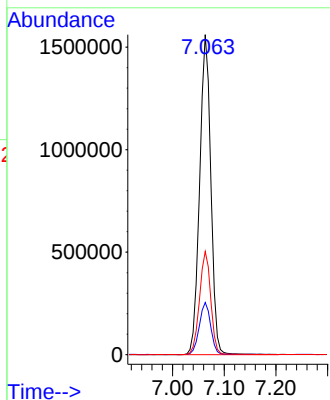
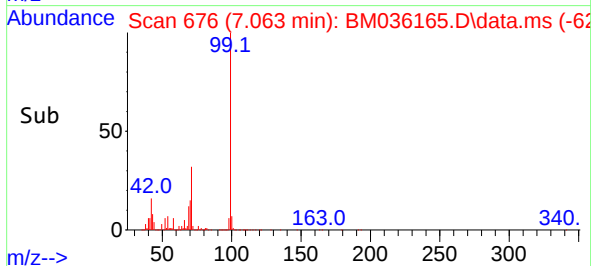
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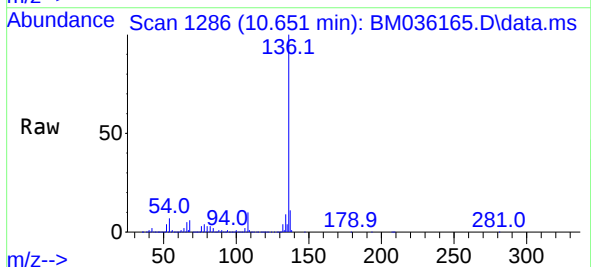
Tgt Ion: 99 Resp: 234623
Ion Ratio Lower Upper
99 100
42 16.3 18.8 28.2
71 32.3 30.2 45.2

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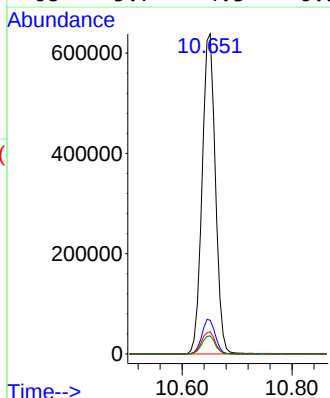
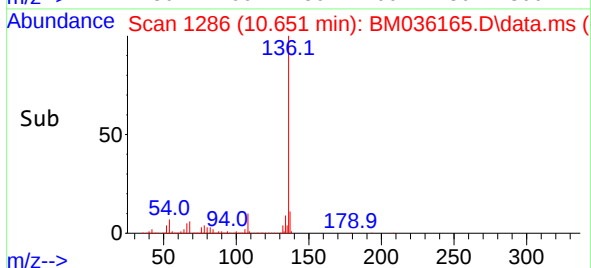
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

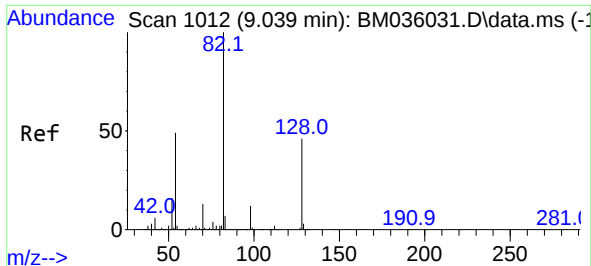


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



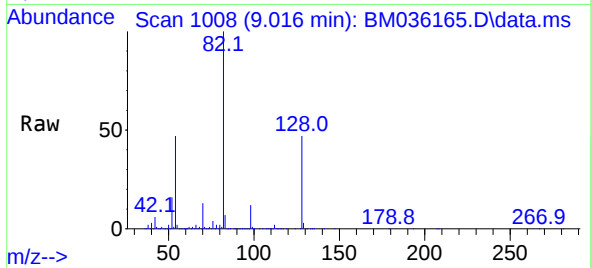
Tgt Ion:136 Resp: 1069721
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.0 7.0 10.4
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 74.350 ng
RT: 9.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

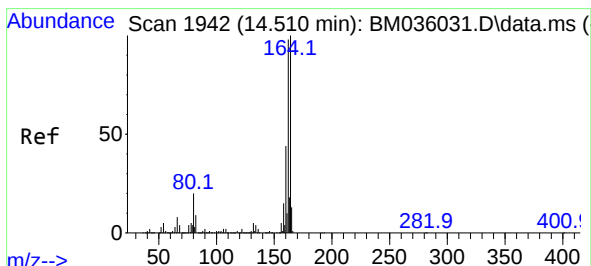
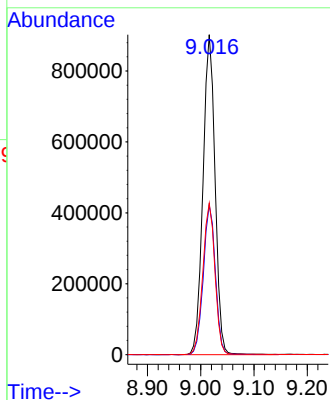
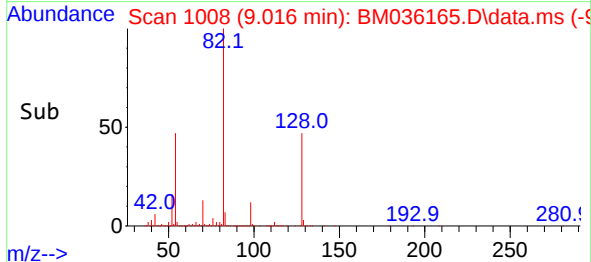
Instrument :
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ClientSampleId :
RVE-212



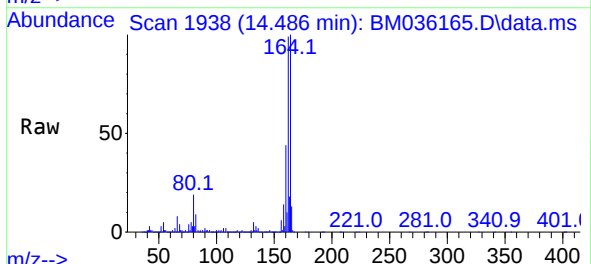
Tgt Ion: 82 Resp: 1420839
Ion Ratio Lower Upper
82 100
128 46.8 33.7 50.5
54 47.3 43.2 64.8

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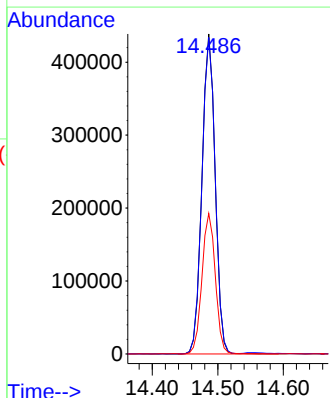
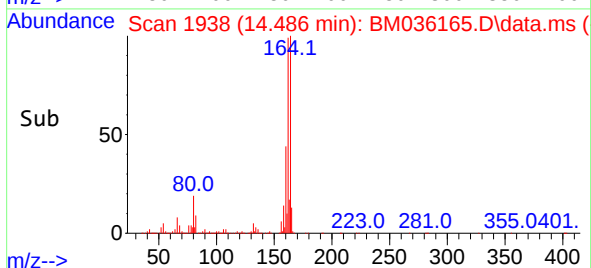
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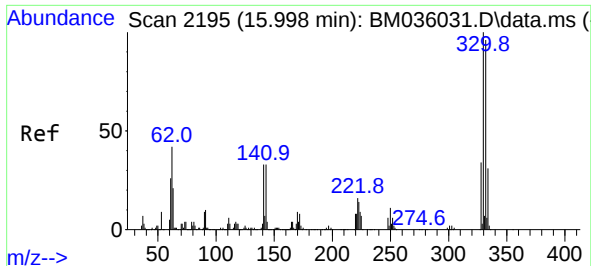


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



Tgt Ion:164 Resp: 614720
Ion Ratio Lower Upper
164 100
162 98.9 83.0 124.6
160 43.9 37.0 55.4





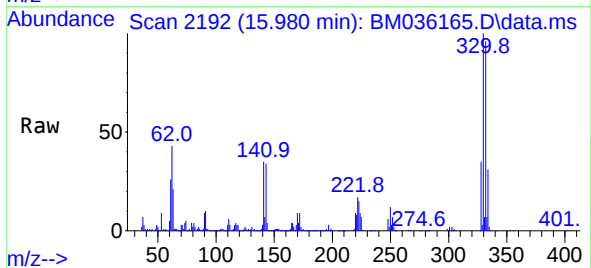
#42
2,4,6-Tribromophenol
Concen: 121.956 ng
RT: 15.980 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :

BNA_M

ClientSampleId :

RVE-212

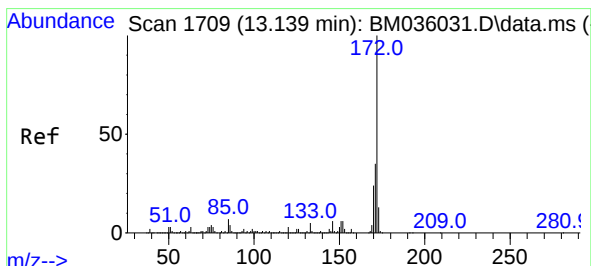
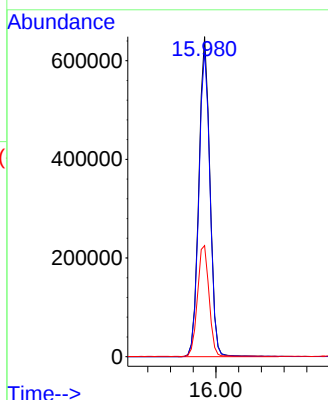
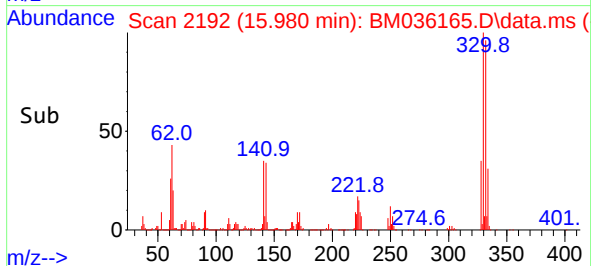


Tgt Ion:330 Resp: 87948
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 36.2 35.3 52.9

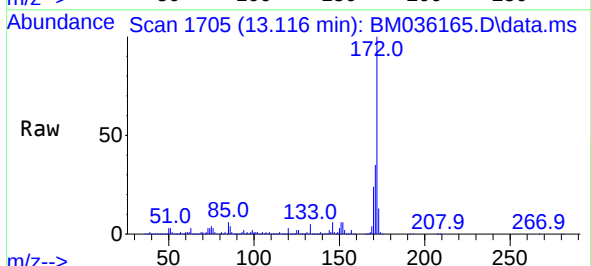
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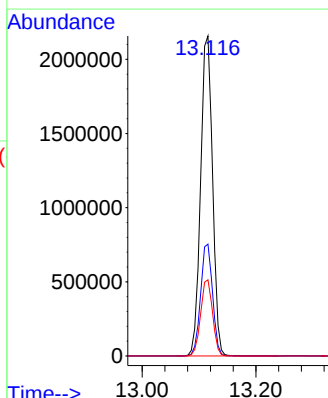
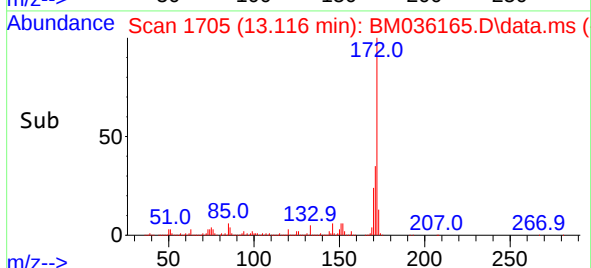
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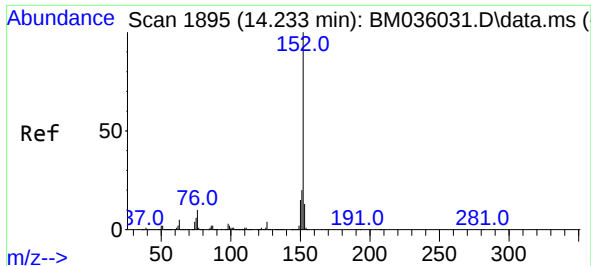


#45
2-Fluorobiphenyl
Concen: 75.612 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



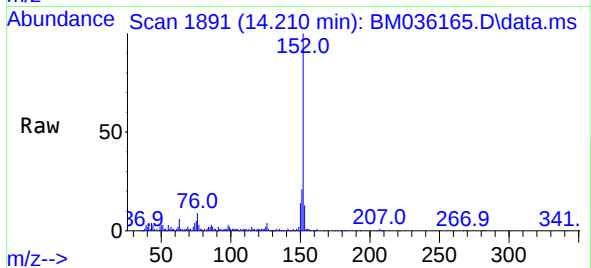
Tgt Ion:172 Resp: 3148059
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.8 18.7 28.1





#49
Acenaphthylene
Concen: 2.250 ng
RT: 14.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

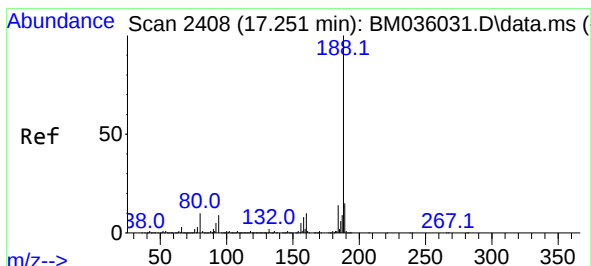
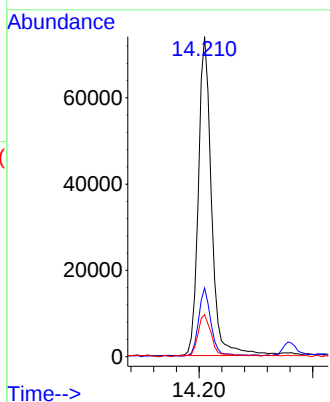
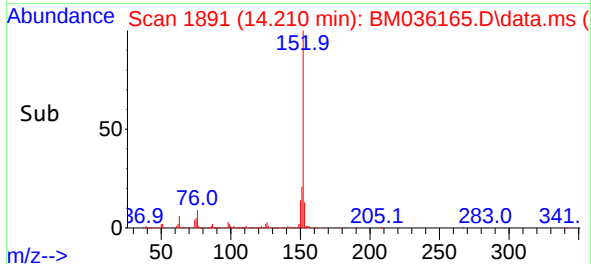
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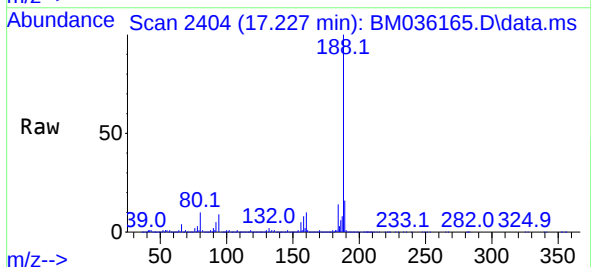
Tgt Ion:152 Resp: 119227
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.2
153 13.2 10.5 15.7

Manual Integrations
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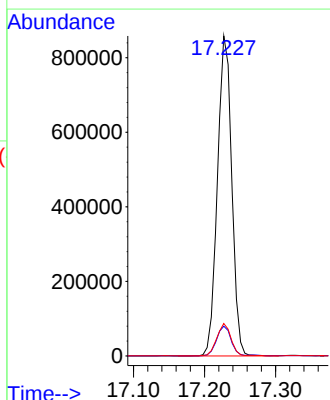
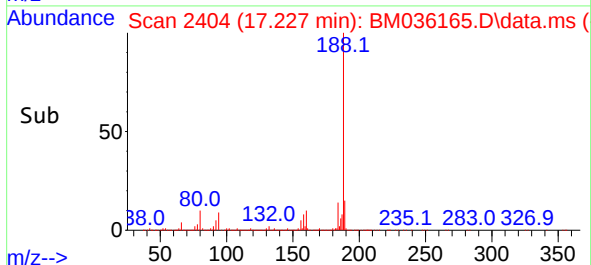
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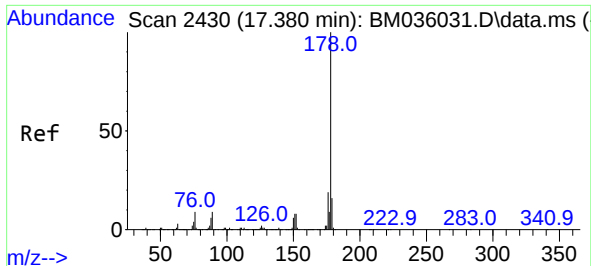


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



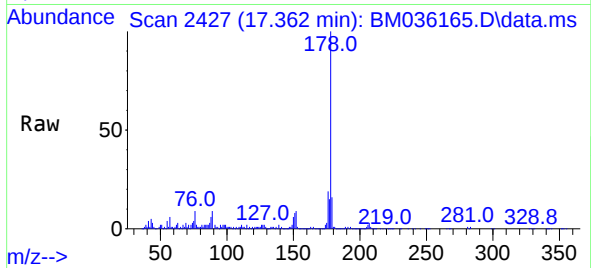
Tgt Ion:188 Resp: 1193974
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 10.2 7.6 11.4





#72
 Anthracene
 Concen: 3.535 ng
 RT: 17.362 min Scan# 2430
 Delta R.T. -0.006 min
 Lab File: BM036165.D
 Acq: 09 Aug 2022 03:59

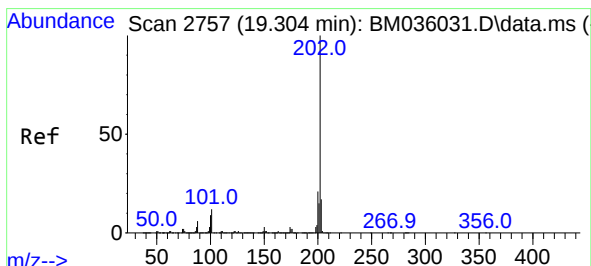
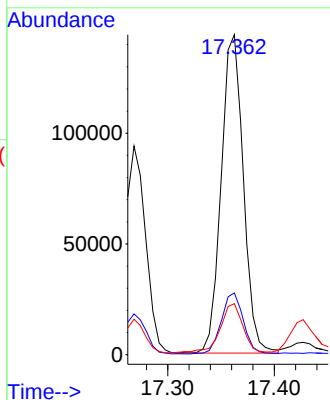
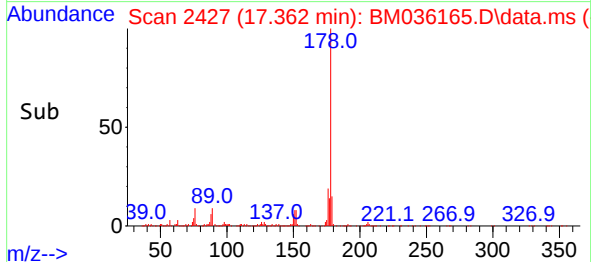
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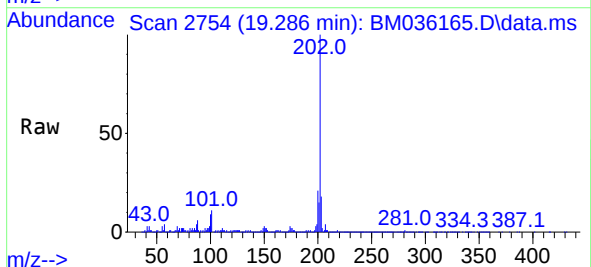
Tgt Ion:178 Resp: 208199
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.4
 179 16.0 12.2 18.2

Manual Integrations
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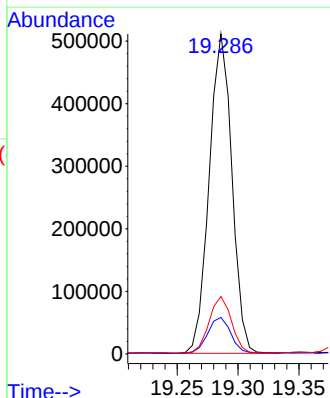
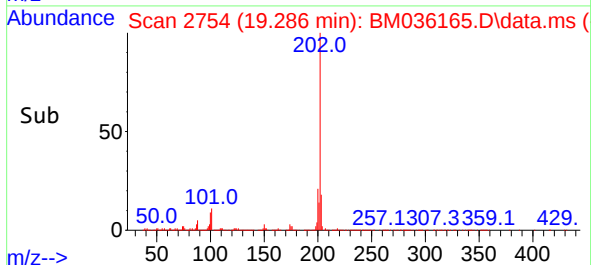
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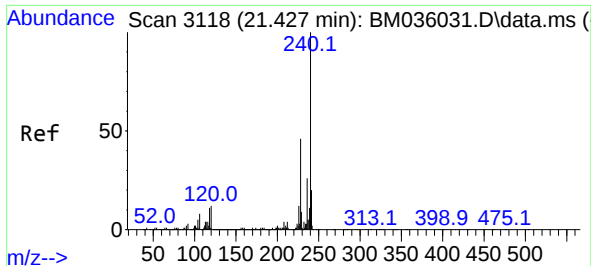


#75
 Fluoranthene
 Concen: 9.721 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. -0.006 min
 Lab File: BM036165.D
 Acq: 09 Aug 2022 03:59



Tgt Ion:202 Resp: 661885
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 30.6
 203 17.9 0.0 37.4





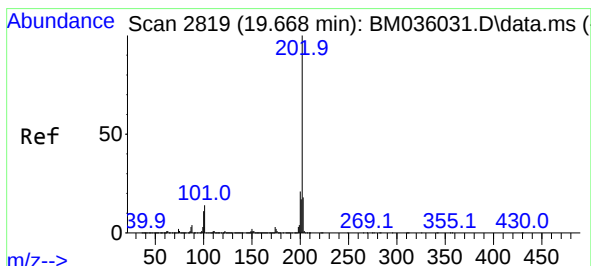
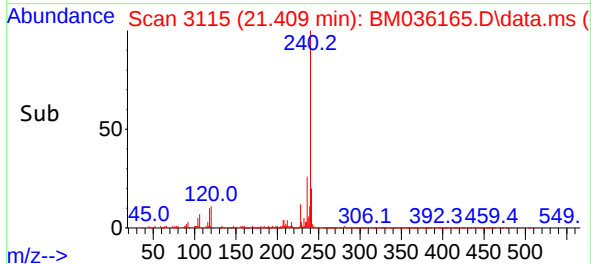
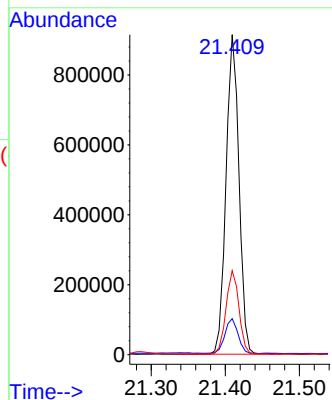
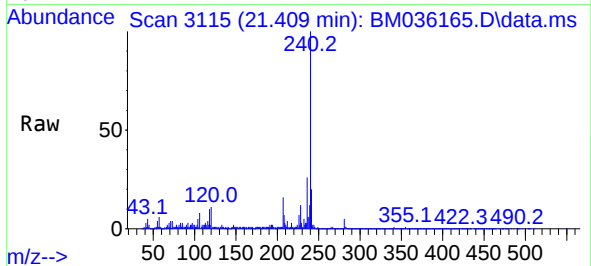
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :
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ClientSampleId :
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Tgt Ion:240 Resp: 110911
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 26.2 20.6 30.8

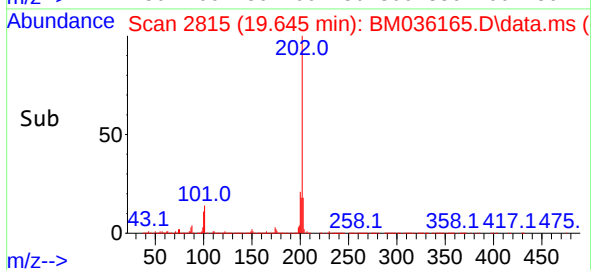
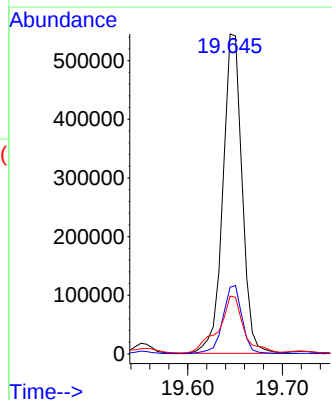
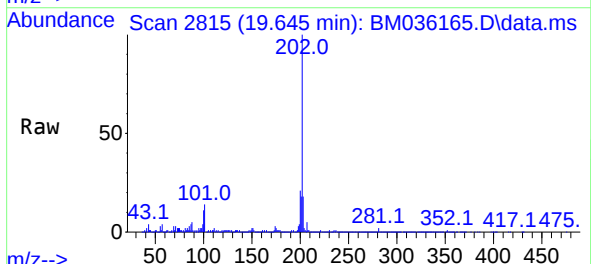
Manual Integrations
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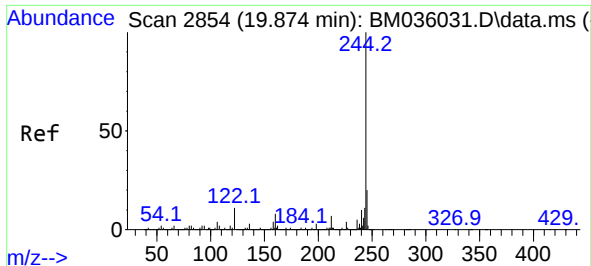
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#78
Pyrene
Concen: 11.150 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

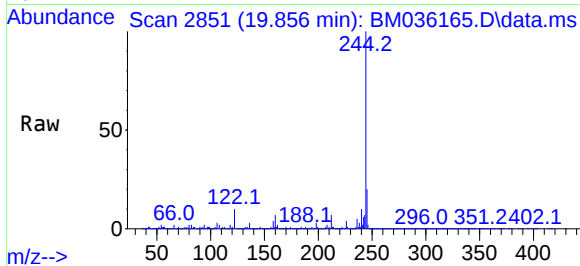
Tgt Ion:202 Resp: 766822
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 18.1 13.9 20.9





#79
 Terphenyl-d14
 Concen: 77.644 ng
 RT: 19.856 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM036165.D
 Acq: 09 Aug 2022 03:59

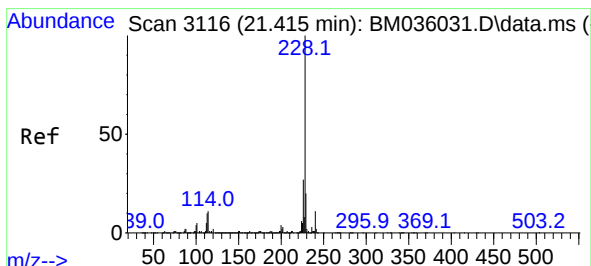
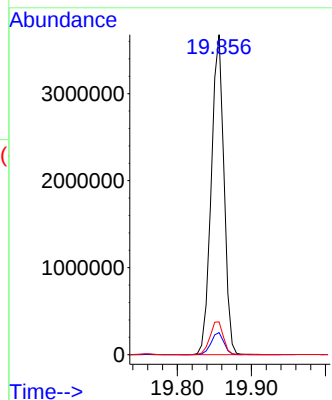
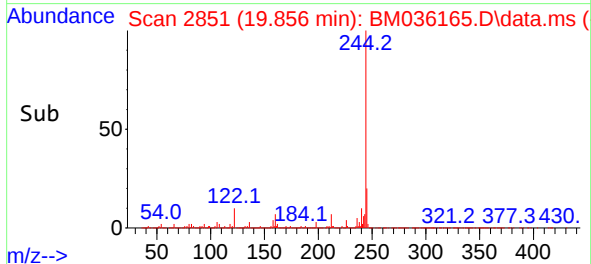
Instrument :
 BNA_M
 ClientSampleId :
 RVE-212



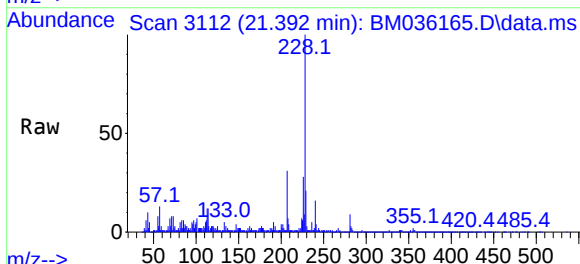
Tgt Ion:244 Resp: 4365980
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.4
 122 10.2 8.3 12.5

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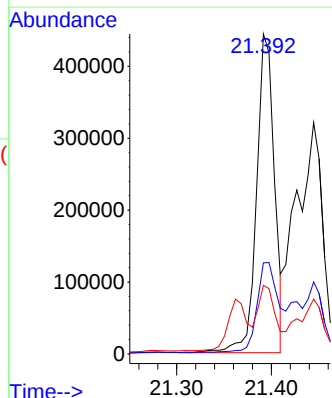
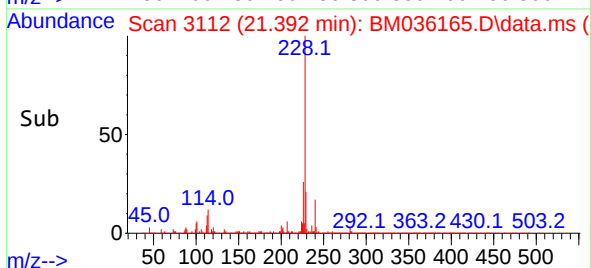
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

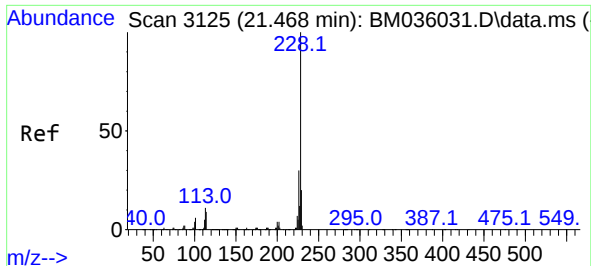


#81
 Benzo(a)anthracene
 Concen: 8.524 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. -0.012 min
 Lab File: BM036165.D
 Acq: 09 Aug 2022 03:59



Tgt Ion:228 Resp: 582340
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.3 33.5
 229 21.4 15.8 23.6





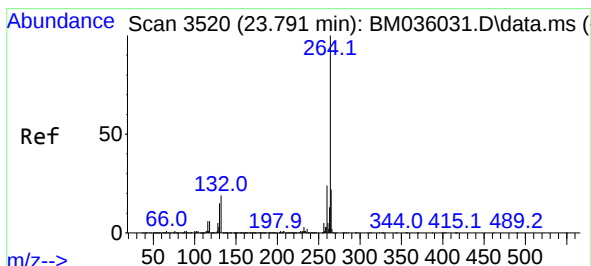
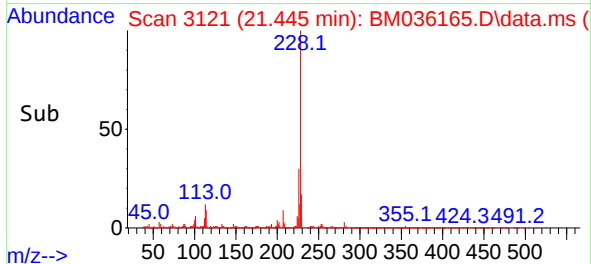
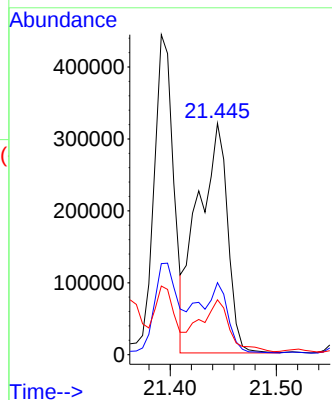
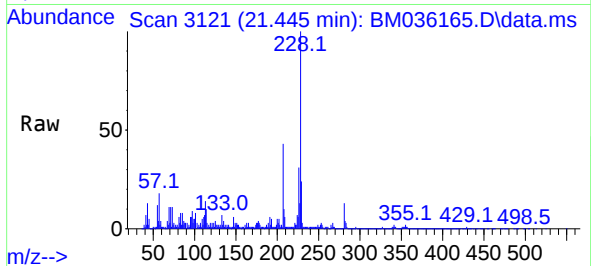
#83
Chrysene
Concen: 9.598 ng m
RT: 21.445 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :
BNA_M
ClientSampleId :
RVE-212

Tgt Ion:228 Resp: 62328
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 23.7 15.8 23.8

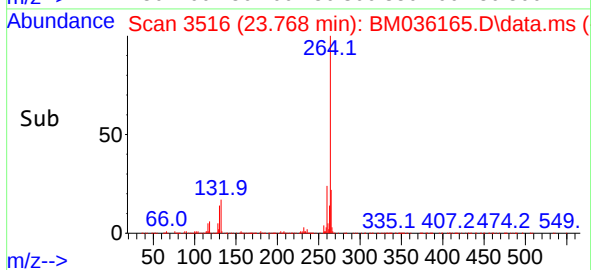
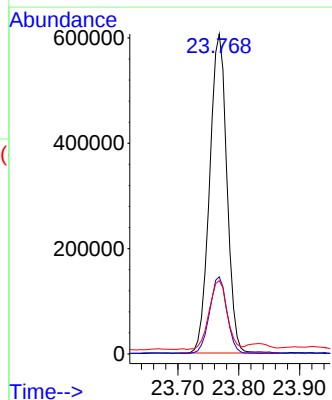
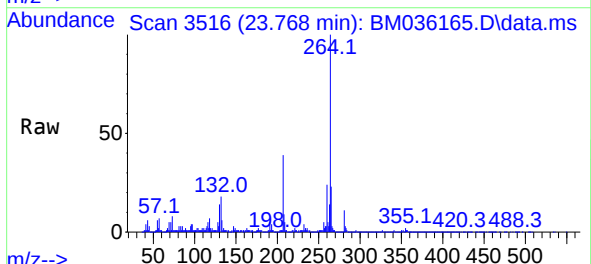
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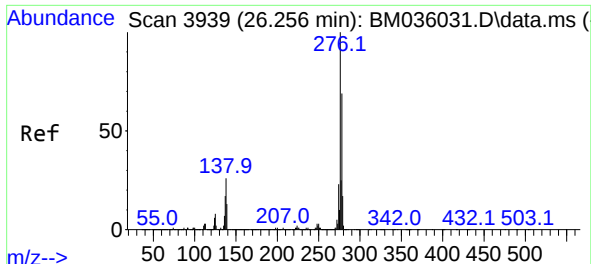
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:264 Resp: 1193937
Ion Ratio Lower Upper
264 100
260 24.1 18.9 28.3
265 22.9 17.5 26.3





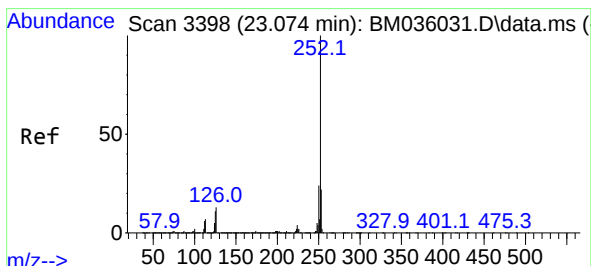
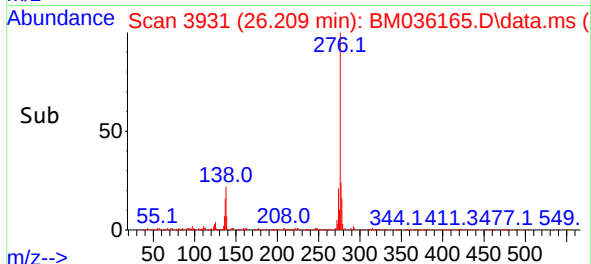
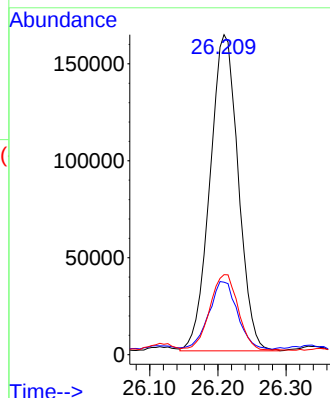
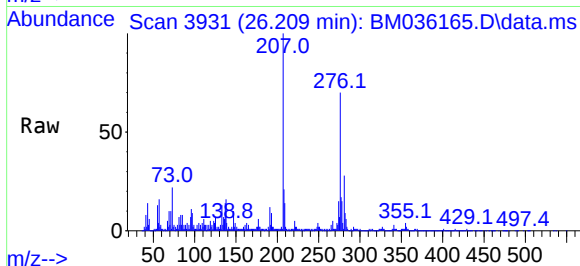
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.621 ng
RT: 26.209 min Scan# 3939
Delta R.T. -0.023 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :
BNA_M
ClientSampleId :
RVE-212

Tgt Ion:276 Resp: 471602
Ion Ratio Lower Upper
276 100
138 21.5 20.2 30.4
277 23.8 20.2 30.2

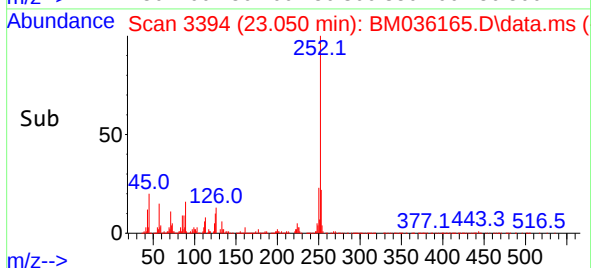
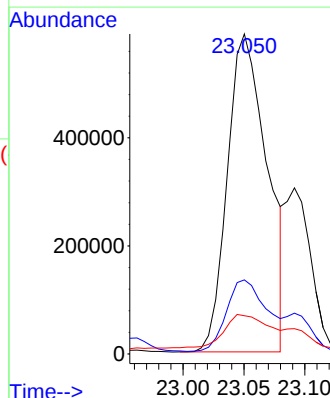
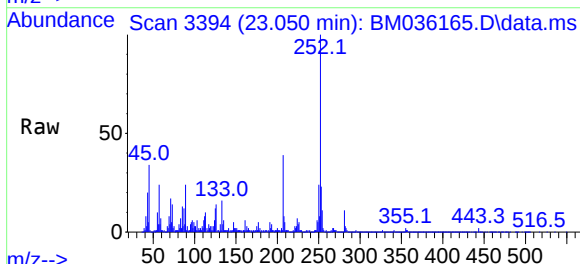
Manual Integrations
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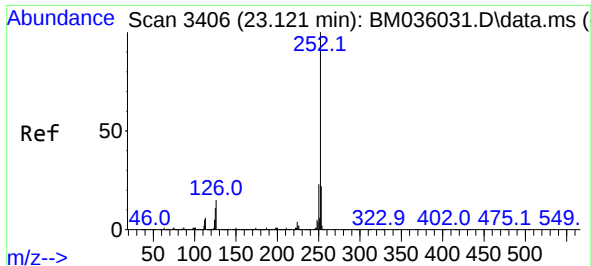
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#88
Benzo(b)fluoranthene
Concen: 19.171 ng
RT: 23.050 min Scan# 3394
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

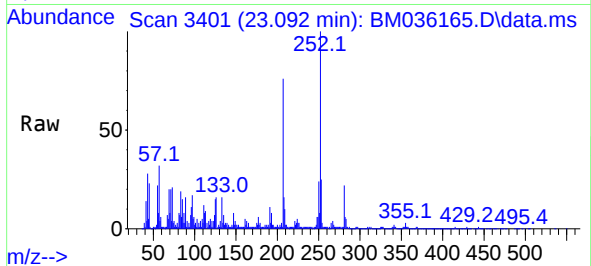
Tgt Ion:252 Resp: 1341032
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.0 7.6 11.4#





#89
Benzo(k)fluoranthene
Concen: 6.226 ng m
RT: 23.092 min Scan# 34
Delta R.T. -0.017 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

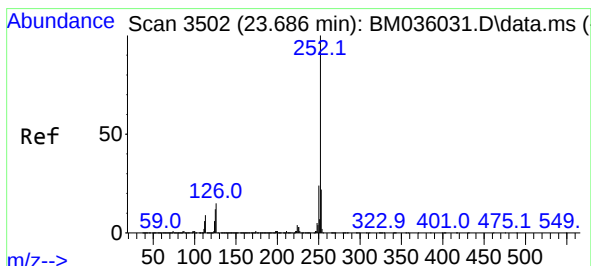
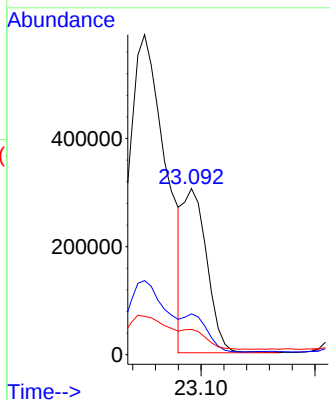
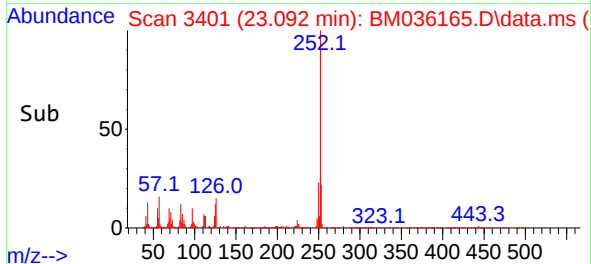
Instrument :
BNA_M
ClientSampleId :
RVE-212



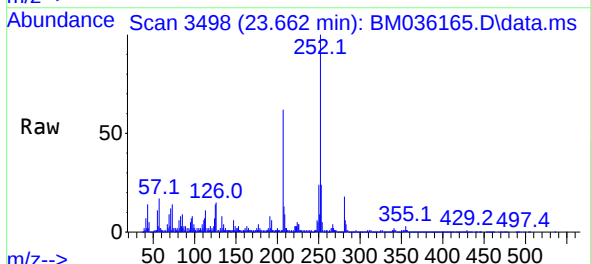
Tgt Ion:252 Resp: 439862
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 15.3 7.6 11.4

Manual Integrations
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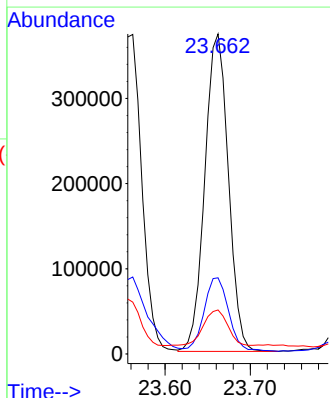
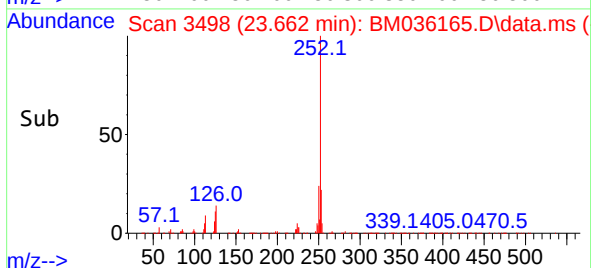
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

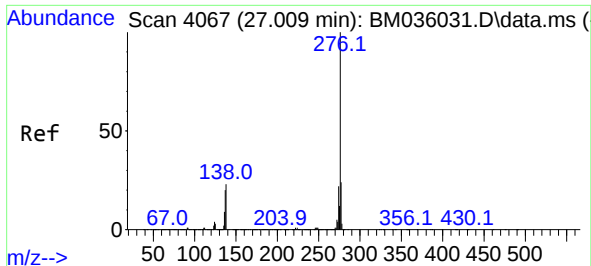


#90
Benzo(a)pyrene
Concen: 12.189 ng
RT: 23.662 min Scan# 3498
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59



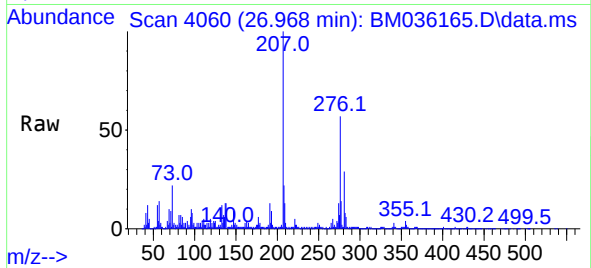
Tgt Ion:252 Resp: 715396
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 13.7 8.7 13.1





#92
Benzo(g,h,i)perylene
Concen: 6.280 ng
RT: 26.968 min Scan# 4060
Delta R.T. -0.023 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :
BNA_M
ClientSampleId :
RVE-212



Tgt Ion: 276 Resp: 42700
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 22.3 17.6 26.4

Manual Integrations
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Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

