

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034327.D
 Acq On : 23 Mar 2022 01:28
 Operator : CG/JU
 Sample : N1962-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-21-21-23

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 23 05:09:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	153330	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	605820	20.000	ng	-0.02
39) Acenaphthene-d10	14.578	164	357575	20.000	ng	-0.01
64) Phenanthrene-d10	17.319	188	698837	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	698036	20.000	ng	-0.01
86) Perylene-d12	23.900	264	773793	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	243324	28.469	ng	0.00
7) Phenol-d6	7.096	99	303158	24.773	ng	-0.01
23) Nitrobenzene-d5	9.096	82	194571	15.637	ng	-0.02
42) 2,4,6-Tribromophenol	16.060	330	110063	22.836	ng	-0.01
45) 2-Fluorobiphenyl	13.207	172	419956	16.049	ng	-0.01
79) Terphenyl-d14	19.930	244	563637	14.031	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.801	128	80686	2.556	ng	99
71) Phenanthrene	17.360	178	512210	13.088	ng	98
72) Anthracene	17.448	178	111975	2.940	ng	99
75) Fluoranthene	19.371	202	686920	15.657	ng	98
78) Pyrene	19.730	202	643985	13.094	ng	100
81) Benzo(a)anthracene	21.471	228	310088	7.038	ng	99
83) Chrysene	21.524	228	295224	6.562	ng	98
87) Indeno(1,2,3-cd)pyrene	26.406	276	179049	3.597	ng	97
88) Benzo(b)fluoranthene	23.165	252	361159m	7.805	ng	
89) Benzo(k)fluoranthene	23.206	252	136634m	2.788	ng	
90) Benzo(a)pyrene	23.789	252	280754	7.157	ng	96
92) Benzo(g,h,i)perylene	27.171	276	187312	4.484	ng	98

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

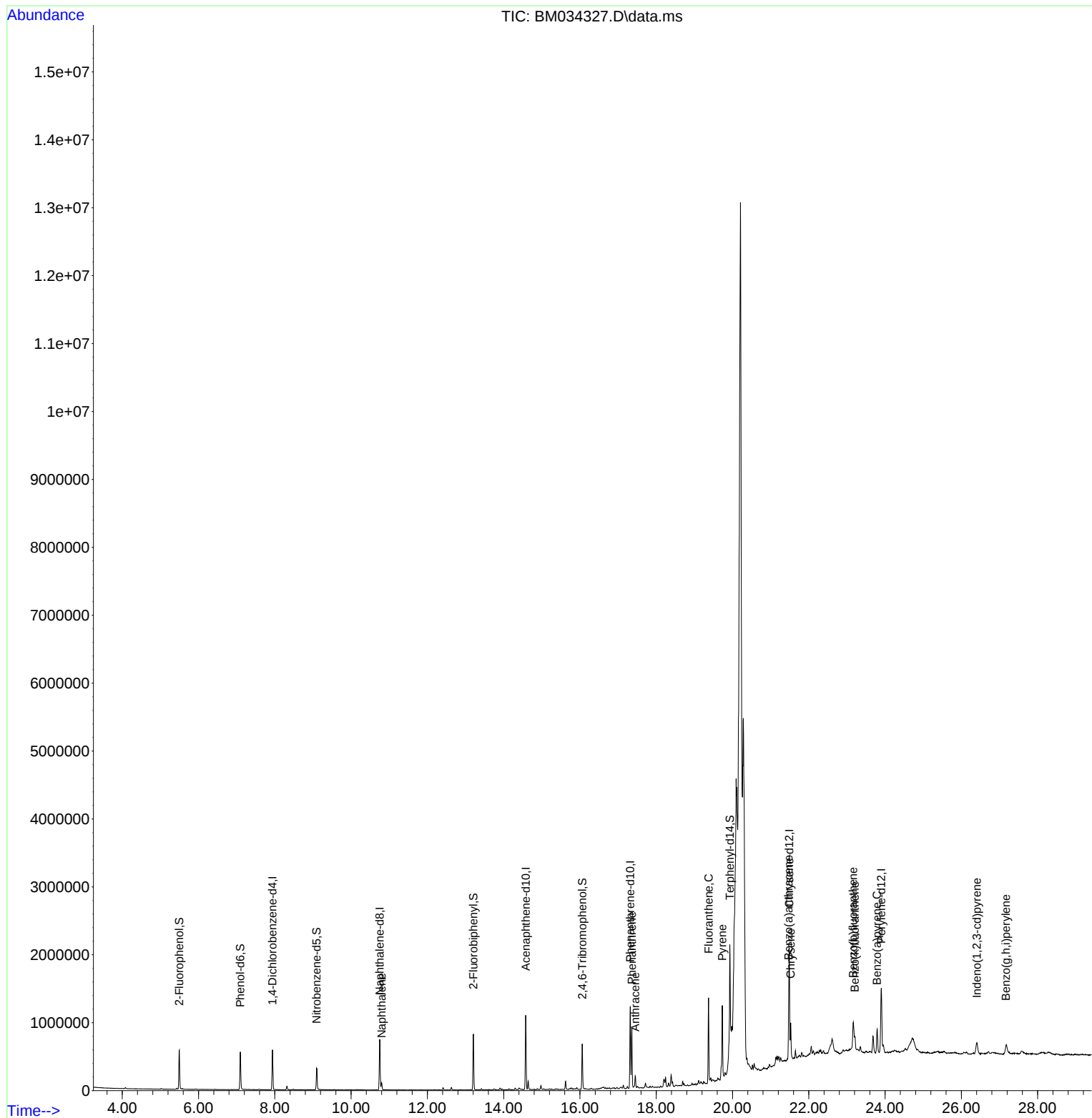
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034327.D
Acq On : 23 Mar 2022 01:28
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ALS Vial : 17 Sample Multiplier: 1

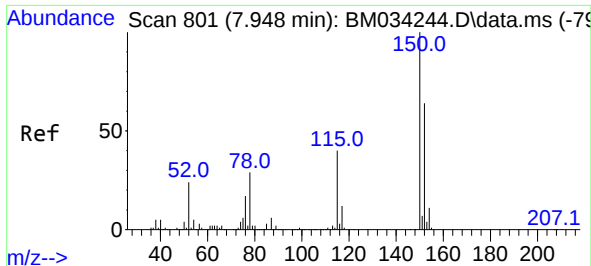
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Quant Time: Mar 23 05:09:03 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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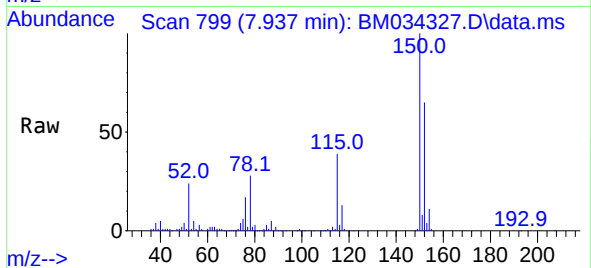
Reviewed By : Christian Giraldo 03/23/2022
Supervised By : Jagrut Upadhyay 03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

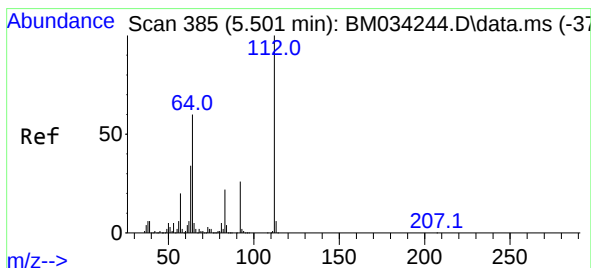
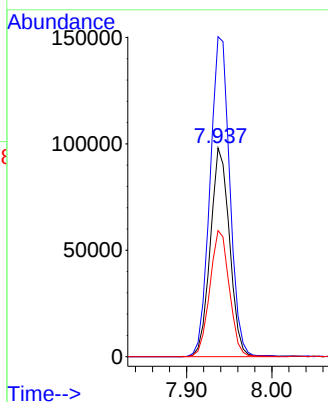
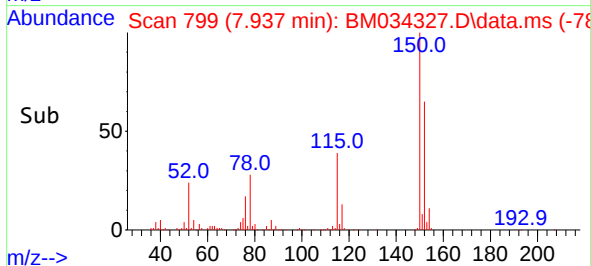
Instrument :
BNA_M
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C-21-21-23



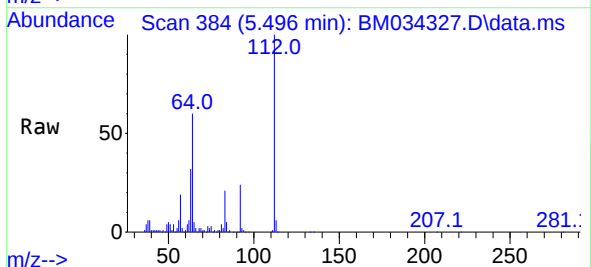
Tgt Ion:152 Resp: 153330
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.2
115 60.4 50.1 75.1

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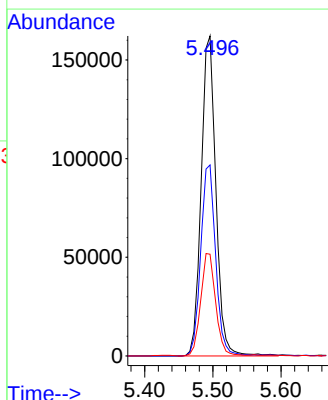
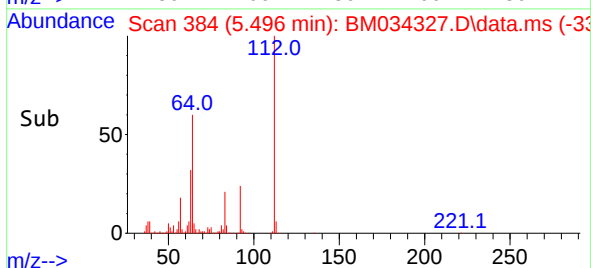
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

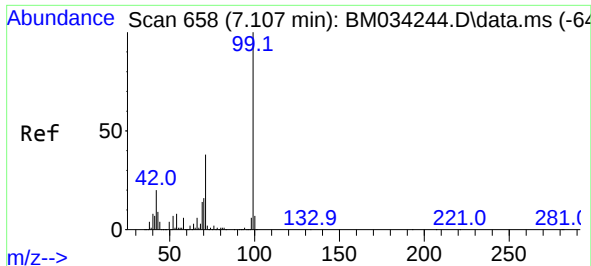


#5
2-Fluorophenol
Concen: 28.469 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



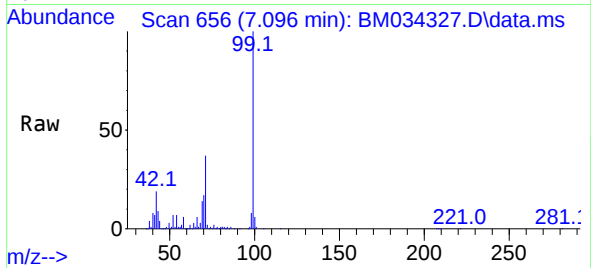
Tgt Ion:112 Resp: 243324
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 31.8 27.1 40.7





#7
Phenol-d6
Concen: 24.773 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

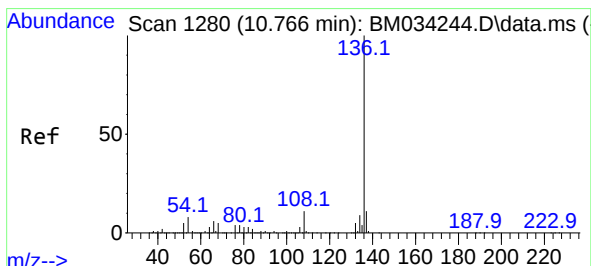
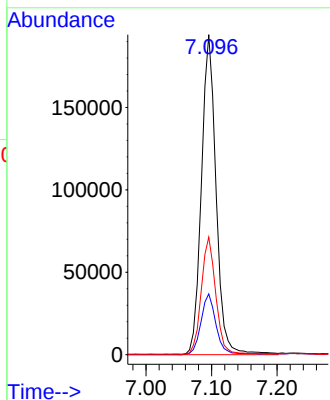
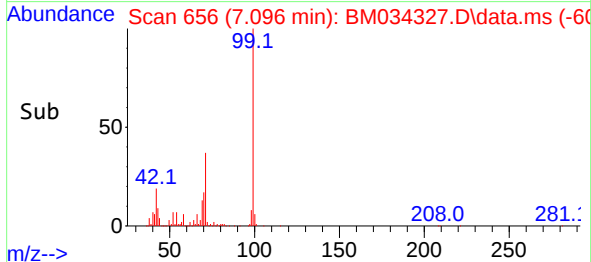
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C-21-21-23



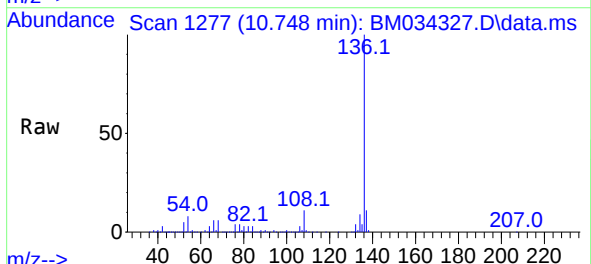
Tgt Ion: 99 Resp: 303158
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 36.8 30.6 46.0

Manual Integrations
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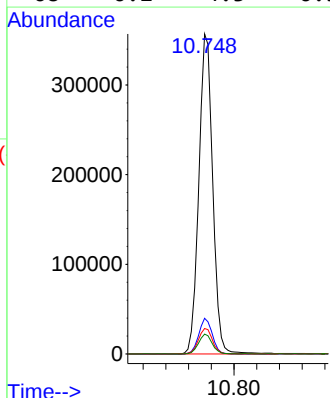
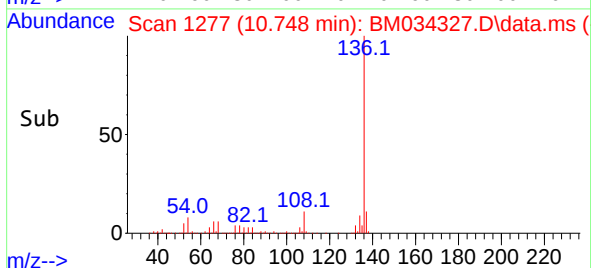
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

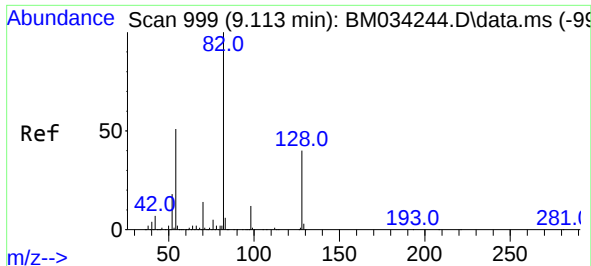


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



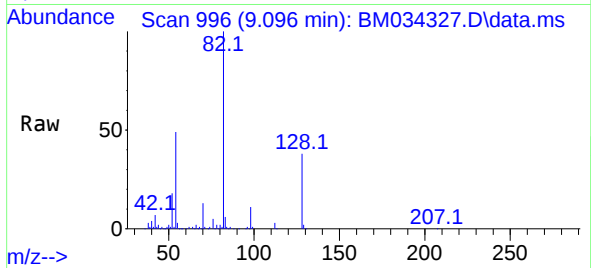
Tgt Ion:136 Resp: 605820
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.0 6.2 9.4
68 6.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 15.637 ng
RT: 9.096 min Scan# 996
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

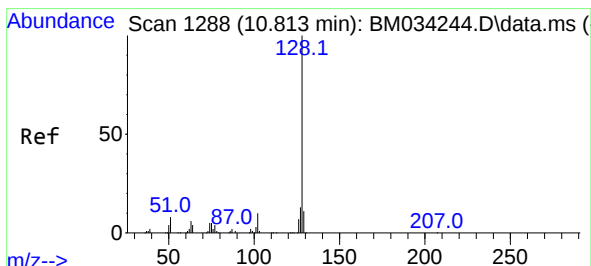
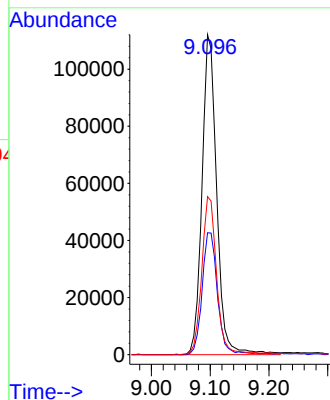
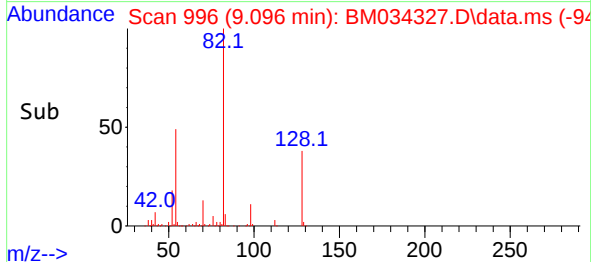
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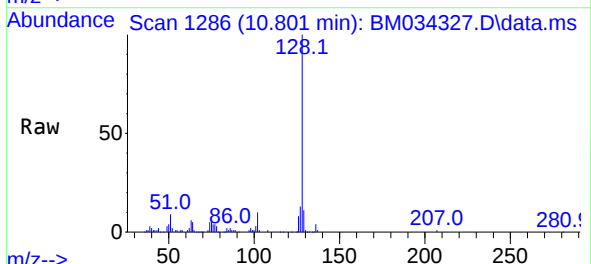
Tgt Ion: 82 Resp: 19457
Ion Ratio Lower Upper
82 100
128 38.1 31.9 47.9
54 49.4 40.6 61.0

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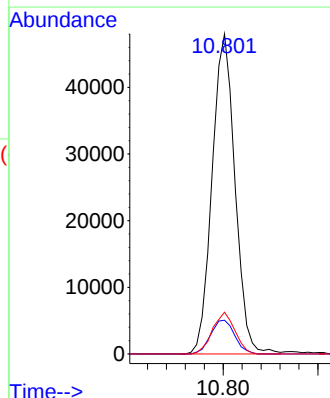
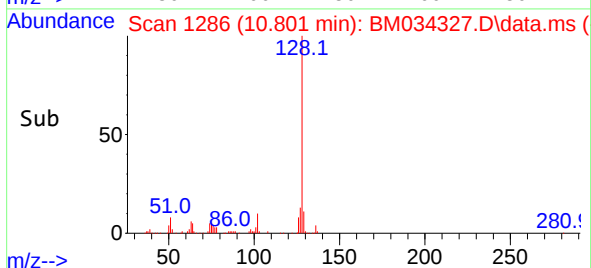
Reviewed By :Christian Giraldo 03/23/2022
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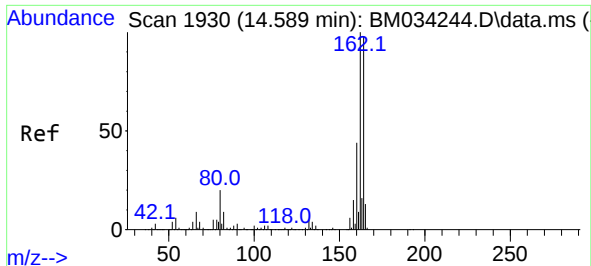


#31
Naphthalene
Concen: 2.556 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



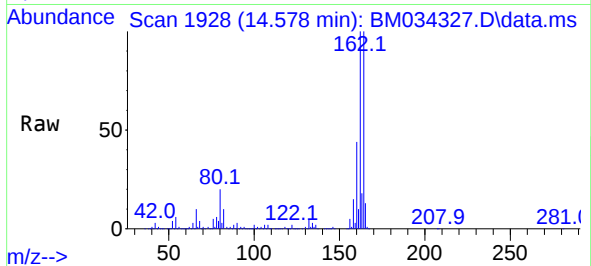
Tgt Ion:128 Resp: 80686
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.1 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

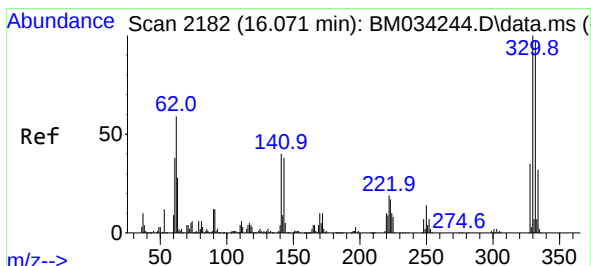
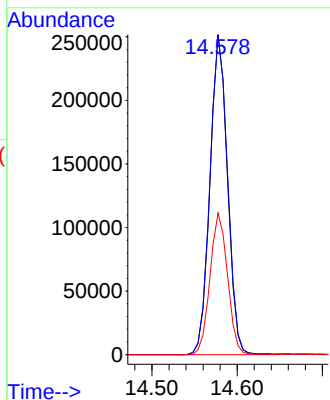
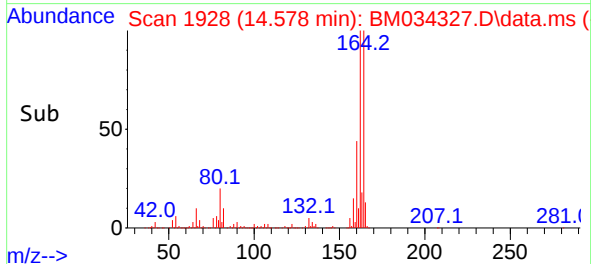
Instrument :
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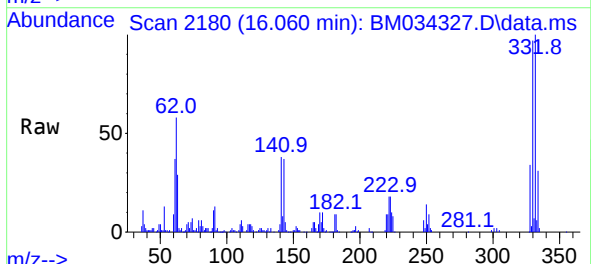
Tgt Ion:164 Resp: 357579
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 44.3 35.6 53.4

Manual Integrations
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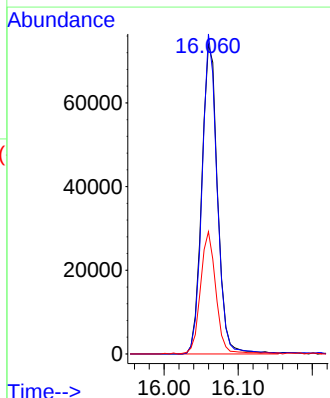
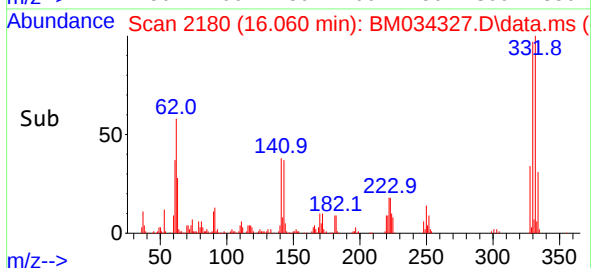
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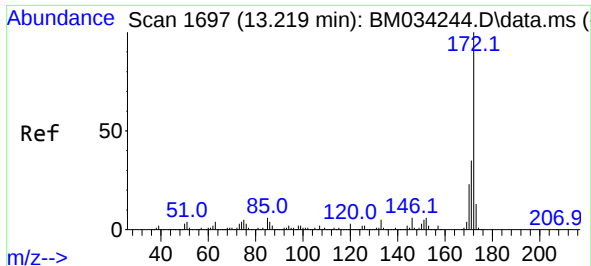


#42
2,4,6-Tribromophenol
Concen: 22.836 ng
RT: 16.060 min Scan# 2180
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



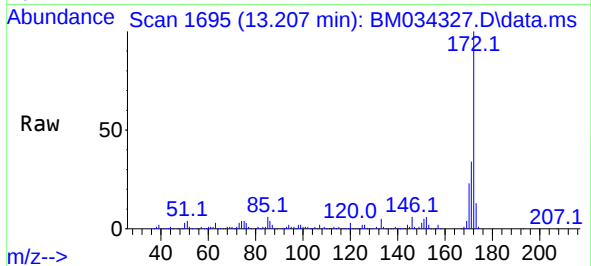
Tgt Ion:330 Resp: 110063
Ion Ratio Lower Upper
330 100
332 98.2 78.2 117.4
141 38.6 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 16.049 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

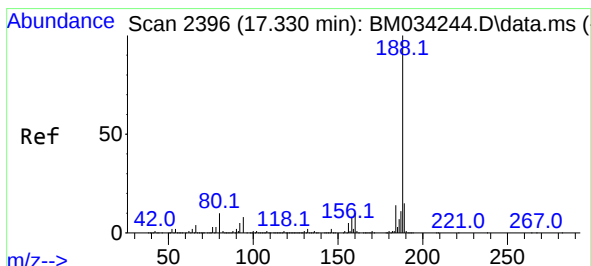
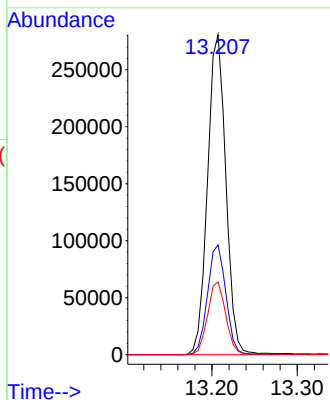
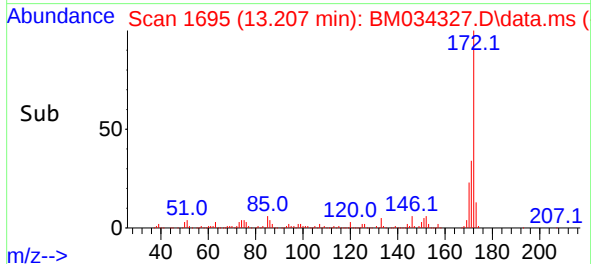
Instrument :
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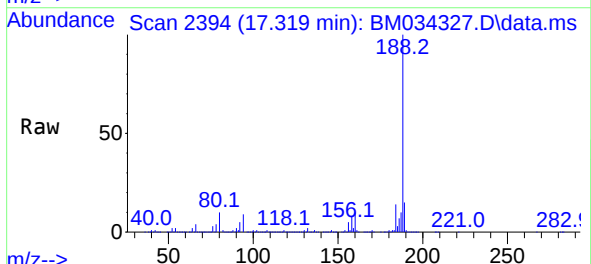
Tgt Ion:172 Resp: 419950
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 22.8 18.6 28.0

Manual Integrations
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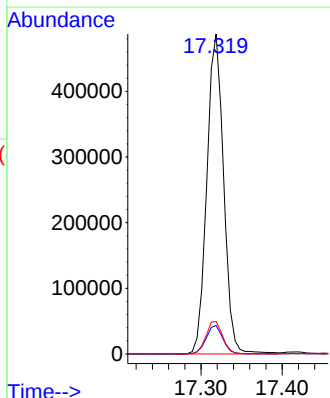
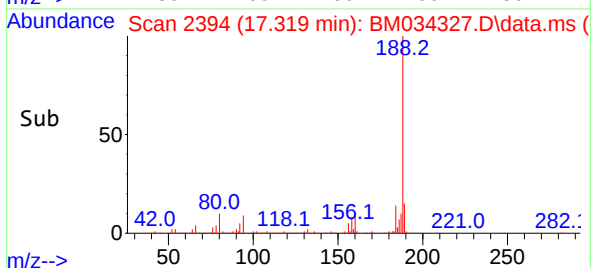
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Supervised By :Jagrut Upadhyay 03/23/2022

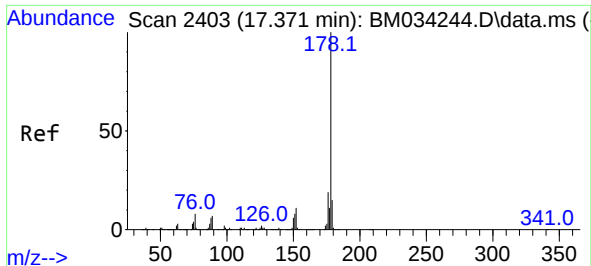


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2394
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



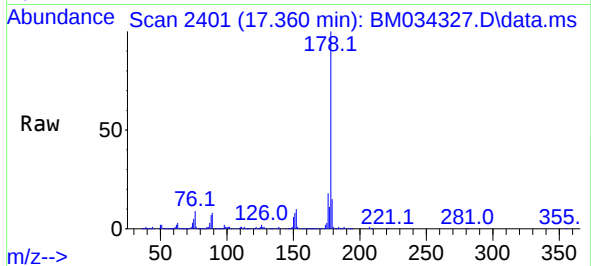
Tgt Ion:188 Resp: 698837
Ion Ratio Lower Upper
188 100
94 8.9 6.6 9.8
80 10.1 7.8 11.8





#71
Phenanthrene
Concen: 13.088 ng
RT: 17.360 min Scan# 2403
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

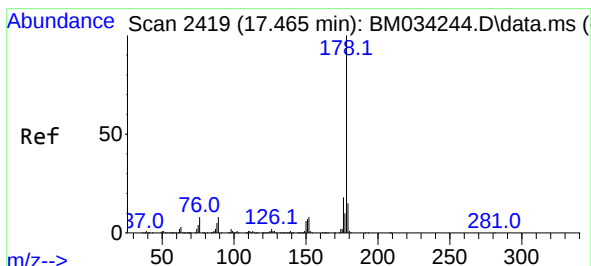
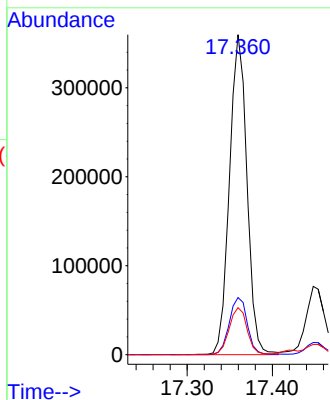
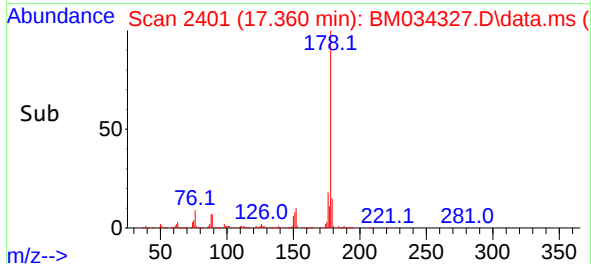
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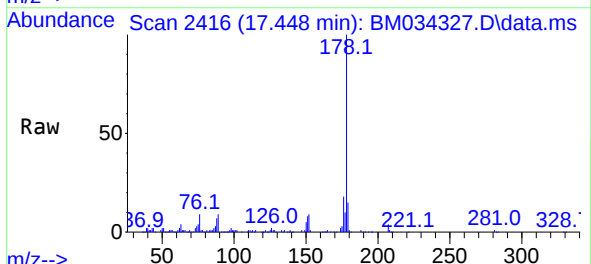
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Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 14.7 12.2 18.4

Manual Integrations
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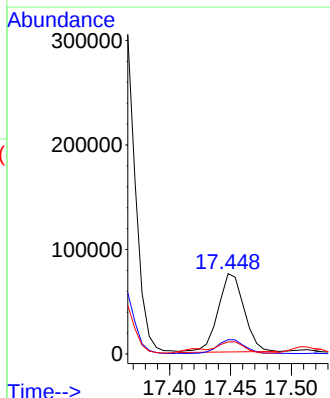
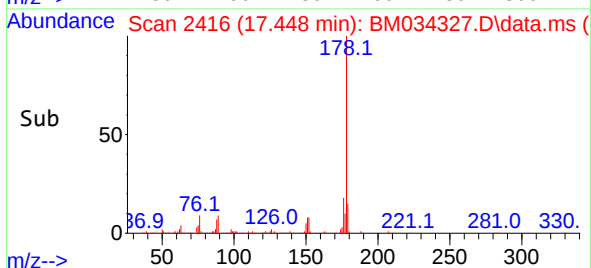
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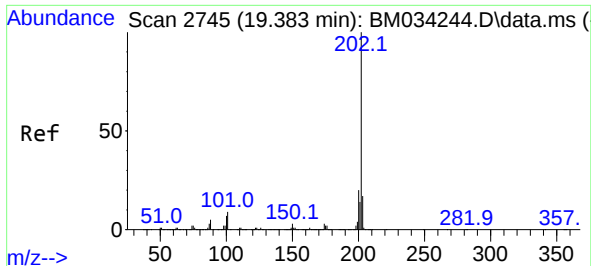


#72
Anthracene
Concen: 2.940 ng
RT: 17.448 min Scan# 2416
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



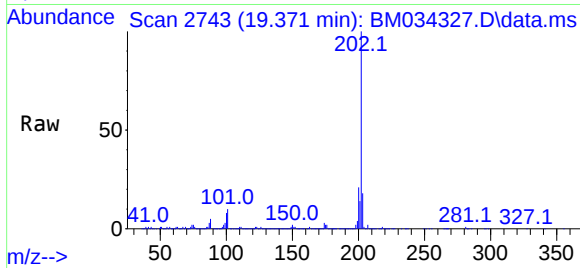
Tgt Ion:178 Resp: 111975
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 15.0 12.2 18.2





#75
Fluoranthene
Concen: 15.657 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

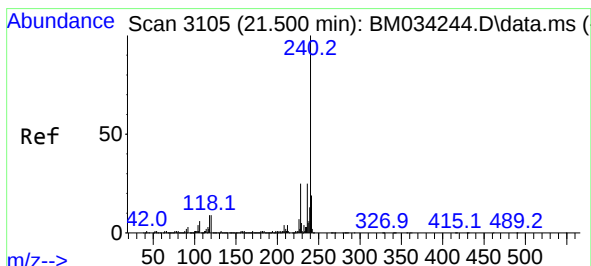
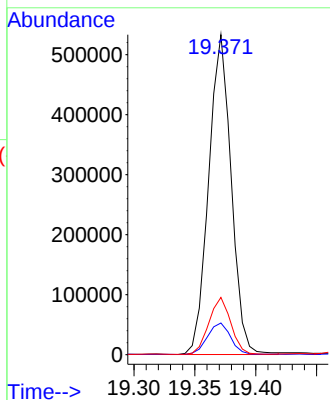
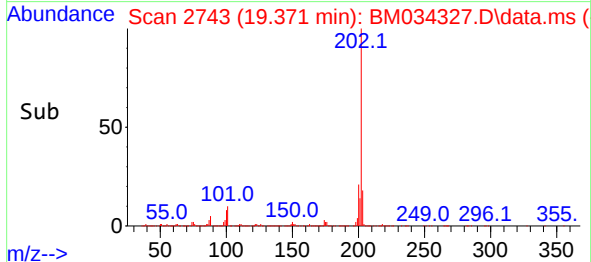
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C-21-21-23



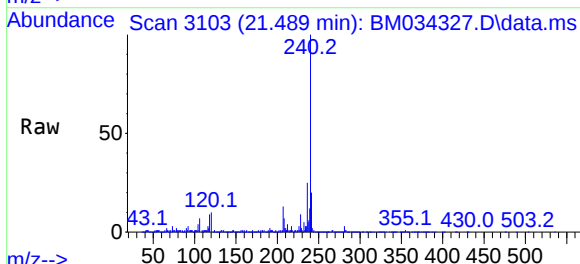
Tgt Ion:202 Resp: 686920
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.4
203 17.9 0.0 37.1

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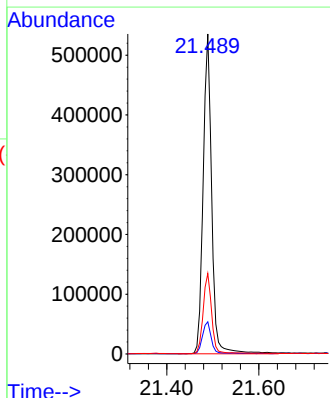
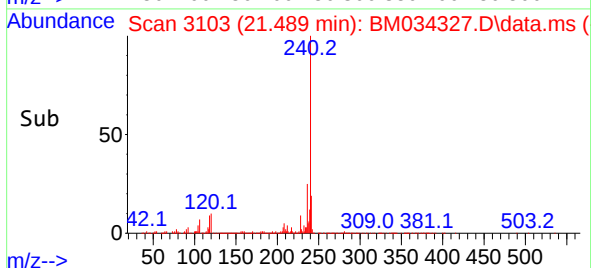
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

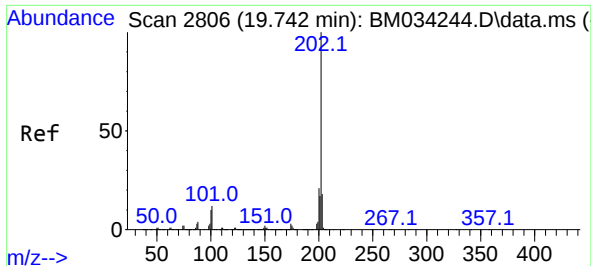


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3103
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



Tgt Ion:240 Resp: 698036
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.1 20.2 30.2





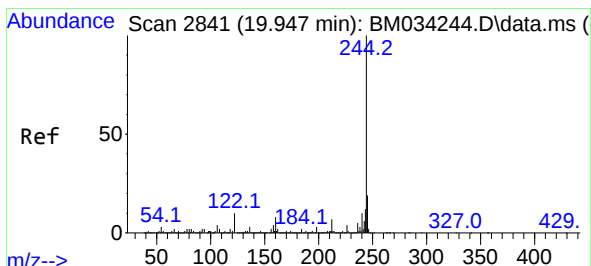
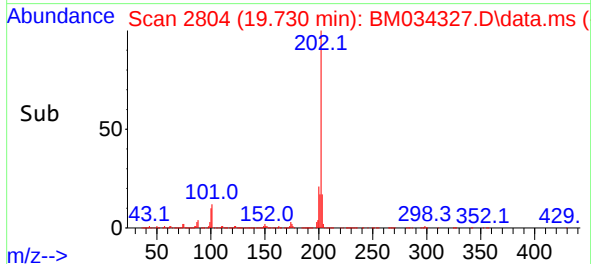
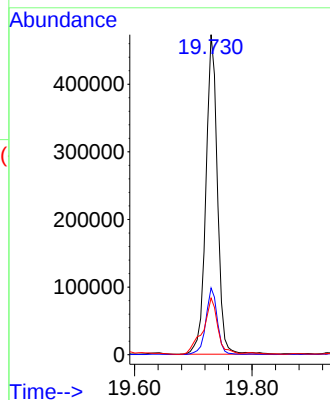
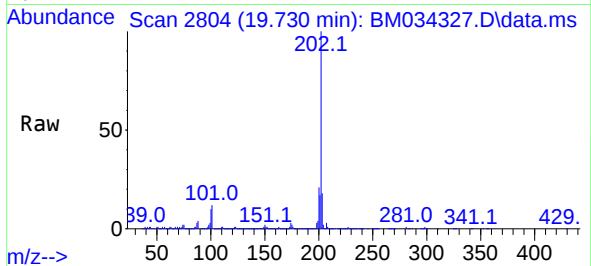
#78
Pyrene
Concen: 13.094 ng
RT: 19.730 min Scan# 2806
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

Instrument :
BNA_M
ClientSampleId :
C-21-21-23

Tgt Ion:202 Resp: 643985
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.7 14.1 21.1

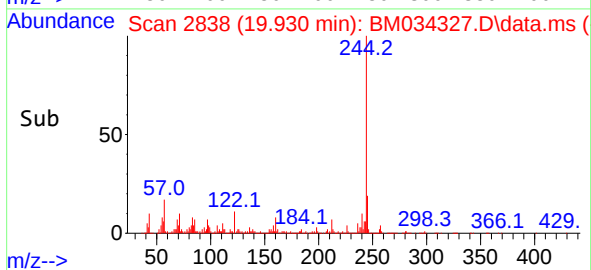
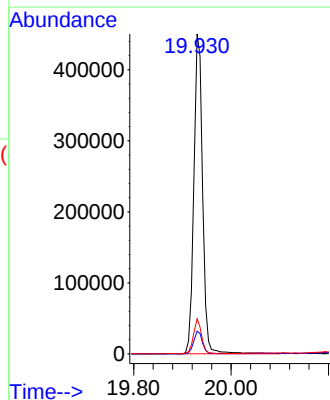
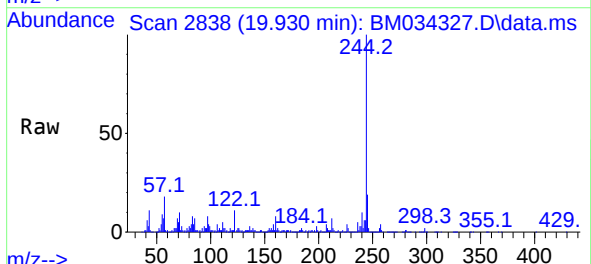
Manual Integrations
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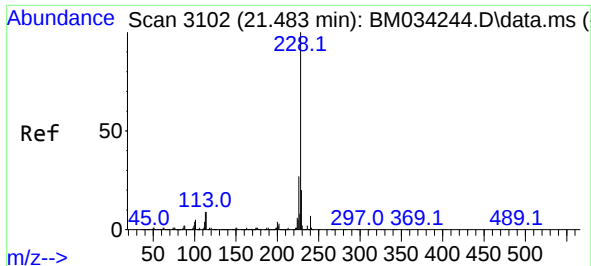
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#79
Terphenyl-d14
Concen: 14.031 ng
RT: 19.930 min Scan# 2838
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

Tgt Ion:244 Resp: 563637
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 11.0 7.8 11.8





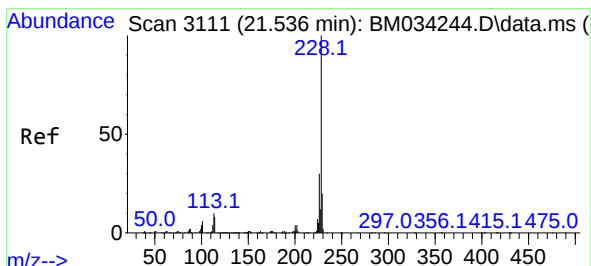
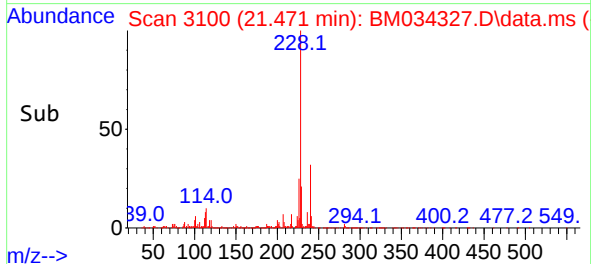
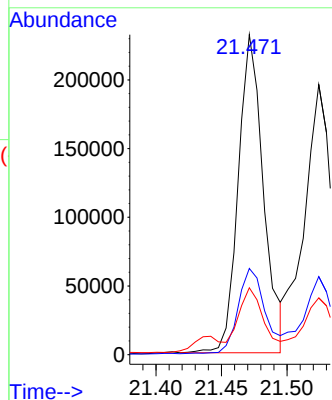
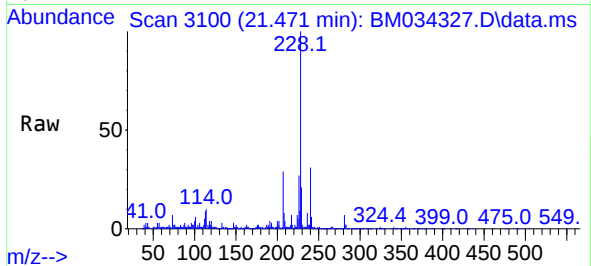
#81
Benzo(a)anthracene
Concen: 7.038 ng
RT: 21.471 min Scan# 3108
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

Instrument :
BNA_M
ClientSampleId :
C-21-21-23

Tgt Ion:228 Resp: 31088
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 20.9 15.8 23.6

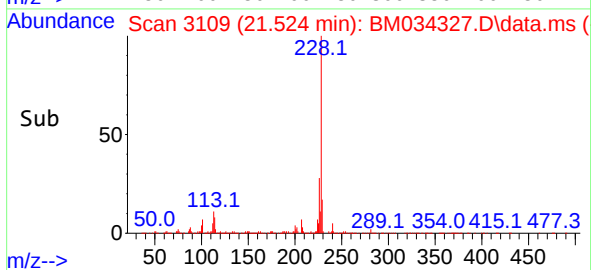
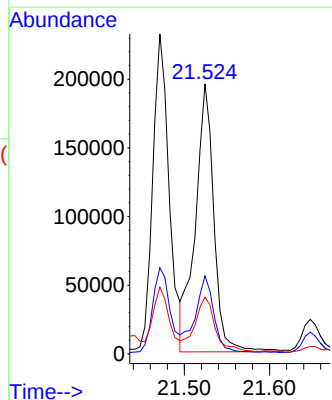
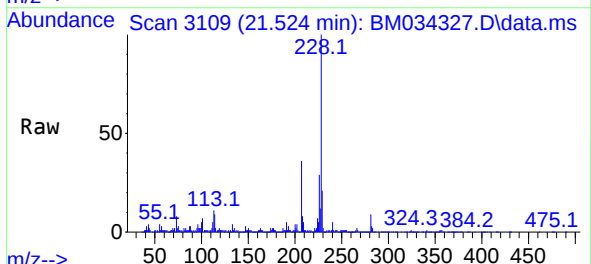
Manual Integrations
APPROVED

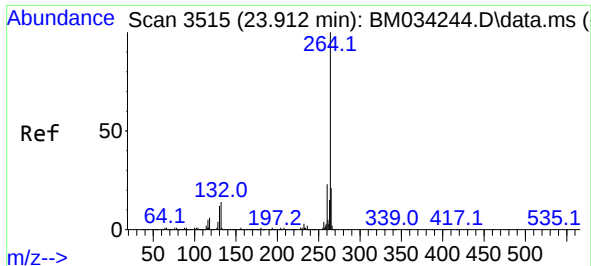
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#83
Chrysene
Concen: 6.562 ng
RT: 21.524 min Scan# 3109
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

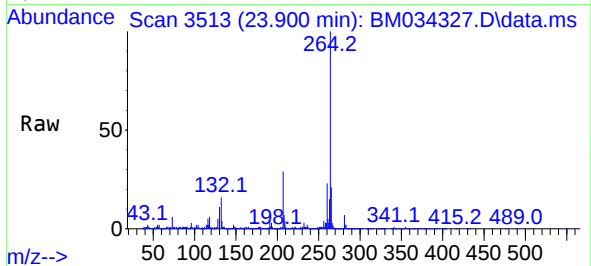
Tgt Ion:228 Resp: 295224
Ion Ratio Lower Upper
228 100
226 28.9 23.8 35.6
229 21.1 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

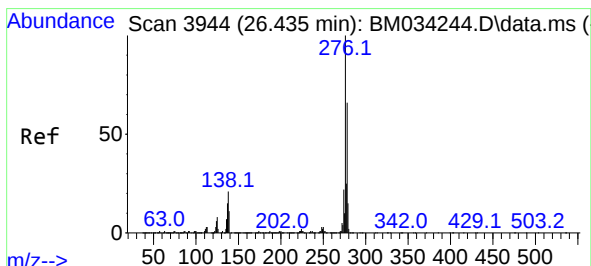
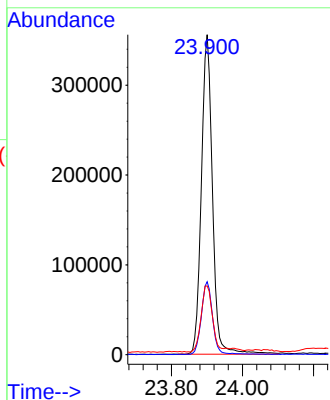
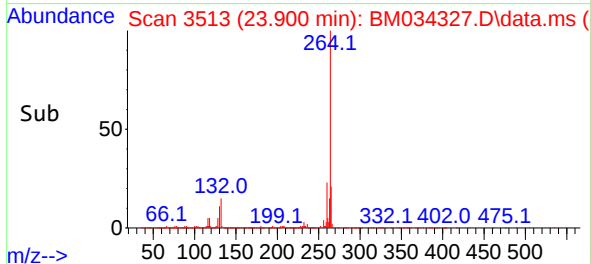
Instrument :
BNA_M
ClientSampleId :
C-21-21-23



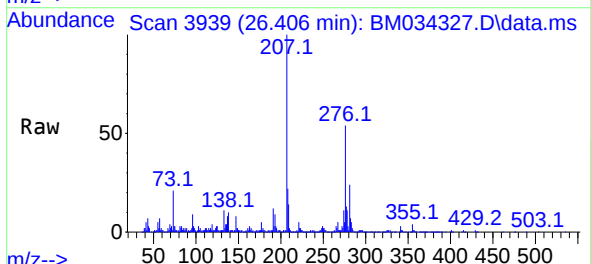
Tgt Ion:264 Resp: 77379
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 21.5 17.6 26.4

Manual Integrations
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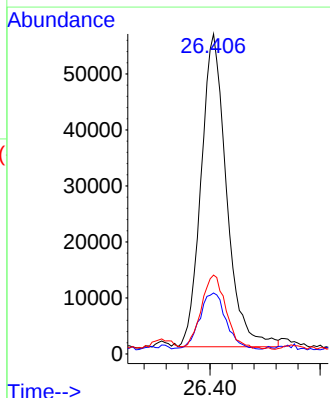
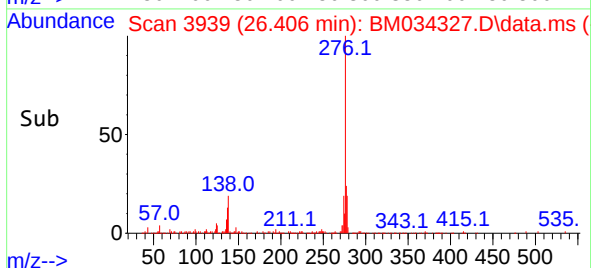
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

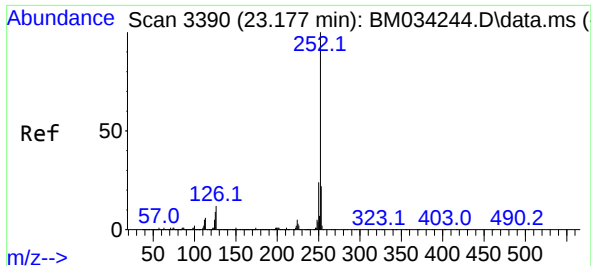


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.597 ng
RT: 26.406 min Scan# 3939
Delta R.T. -0.029 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



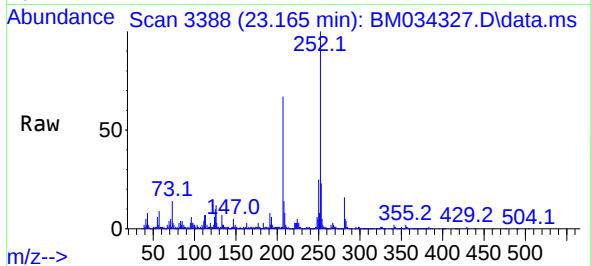
Tgt Ion:276 Resp: 179049
Ion Ratio Lower Upper
276 100
138 18.8 16.6 25.0
277 23.7 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 7.805 ng m
RT: 23.165 min Scan# 3388
Delta R.T. -0.011 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

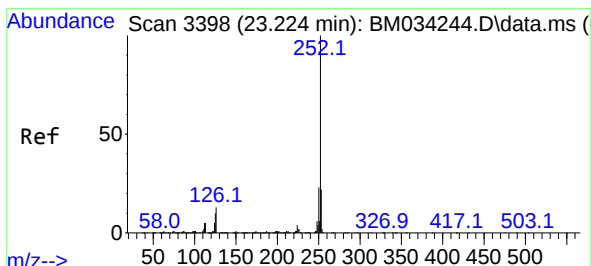
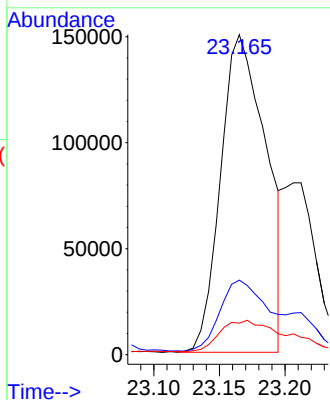
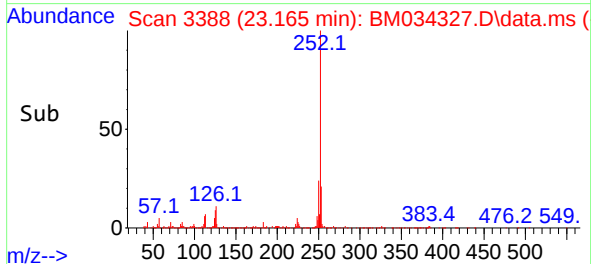
Instrument :
BNA_M
ClientSampleId :
C-21-21-23



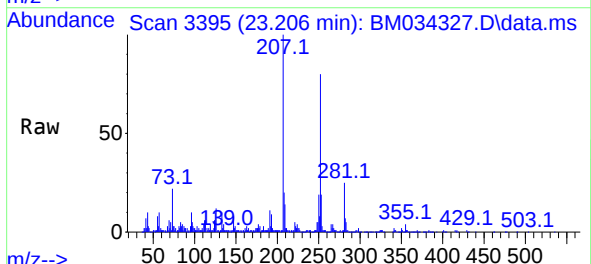
Tgt Ion:252 Resp: 361159
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 9.9 7.2 10.8

Manual Integrations
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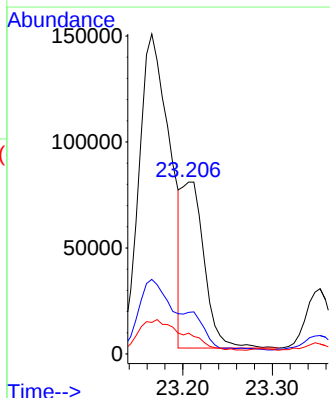
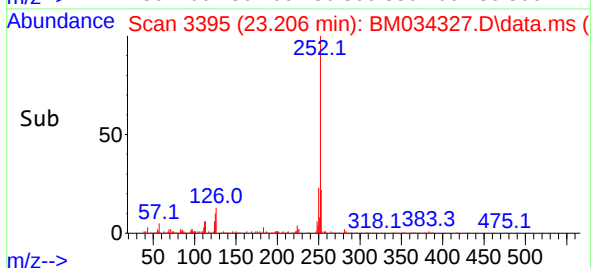
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

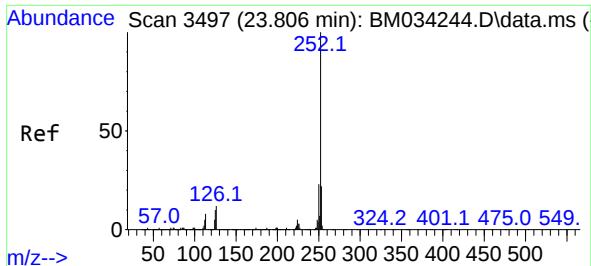


#89
Benzo(k)fluoranthene
Concen: 2.788 ng m
RT: 23.206 min Scan# 3395
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28



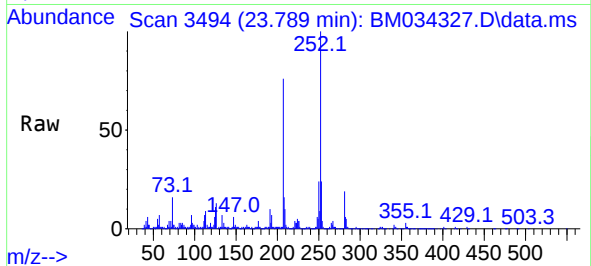
Tgt Ion:252 Resp: 136634
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 12.1 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 7.157 ng
RT: 23.789 min Scan# 34
Delta R.T. -0.017 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

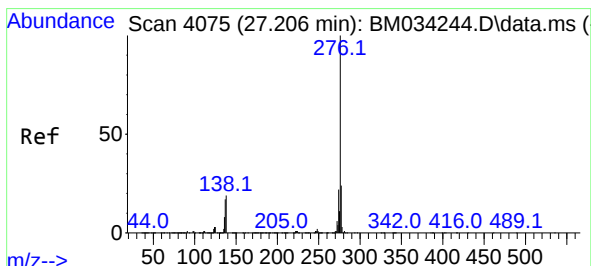
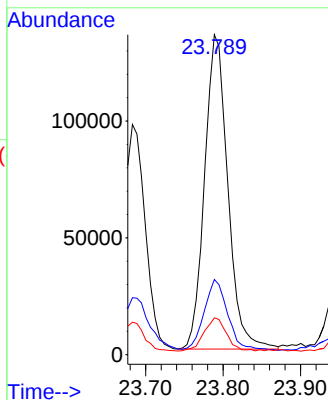
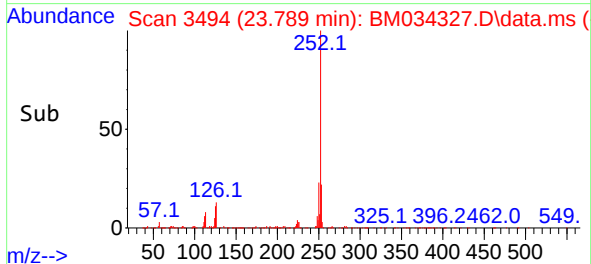
Instrument :
BNA_M
ClientSampleId :
C-21-21-23



Tgt Ion:252 Resp: 280754
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.5 7.8 11.6

Manual Integrations
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Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 4.484 ng
RT: 27.171 min Scan# 4069
Delta R.T. -0.035 min
Lab File: BM034327.D
Acq: 23 Mar 2022 01:28

Tgt Ion:276 Resp: 187312
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 18.8 15.6 23.4

