

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034356.D
 Acq On : 24 Mar 2022 01:34
 Operator : CG/JU
 Sample : N1958-10 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-10-9-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

Quant Time: Mar 24 02:44:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	172049	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	655253	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	383878	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	743465	20.000	ng	0.00
76) Chrysene-d12	21.494	240	725524	20.000	ng	0.00
86) Perylene-d12	23.912	264	830138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	219887	22.928	ng	0.00
7) Phenol-d6	7.095	99	271347	19.761	ng	0.00
23) Nitrobenzene-d5	9.095	82	179807	13.360	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	100748	19.471	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	386233	13.749	ng	0.00
79) Terphenyl-d14	19.936	244	536671	12.853	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.359	178	649705	15.605	ng	100
72) Anthracene	17.453	178	172039	4.245	ng	99
75) Fluoranthene	19.377	202	1560461	33.433	ng	99
78) Pyrene	19.736	202	1417448	27.729	ng	100
81) Benzo(a)anthracene	21.477	228	684947	14.958	ng	97
83) Chrysene	21.530	228	614180	13.134	ng	97
87) Indeno(1,2,3-cd)pyrene	26.429	276	435718	8.159	ng	97
88) Benzo(b)fluoranthene	23.177	252	821648	16.552	ng	# 95
89) Benzo(k)fluoranthene	23.218	252	297145m	5.651	ng	
90) Benzo(a)pyrene	23.806	252	633486	15.054	ng	97
91) Dibenzo(a,h)anthracene	26.435	278	106256	2.454	ng	# 86
92) Benzo(g,h,i)perylene	27.206	276	456416	10.184	ng	97

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

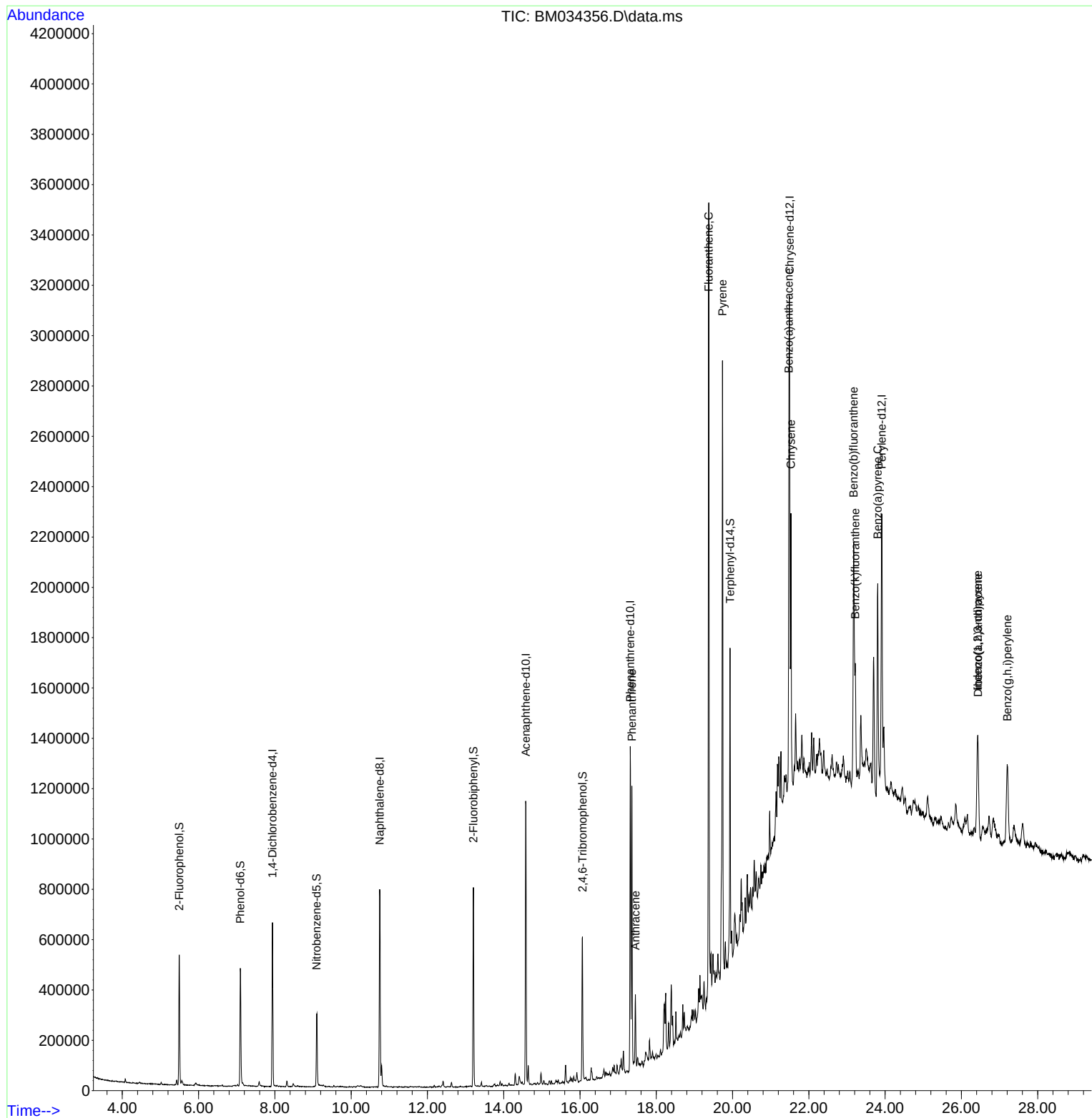
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034356.D
Acq On : 24 Mar 2022 01:34
Operator : CG/JU
Sample : N1958-10 5X
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ALS Vial : 18 Sample Multiplier: 1

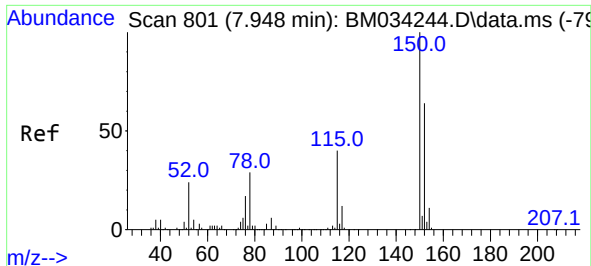
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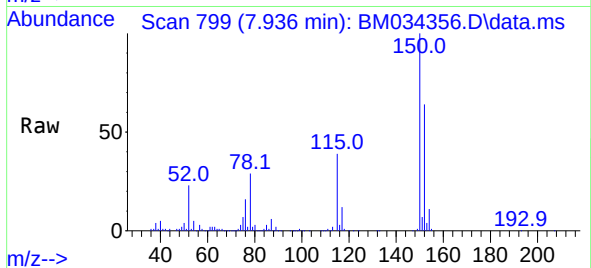
Quant Time: Mar 24 02:44:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 02:40:59 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

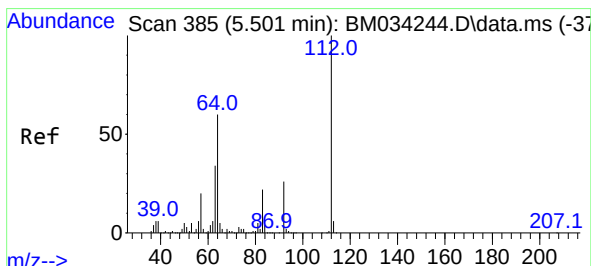
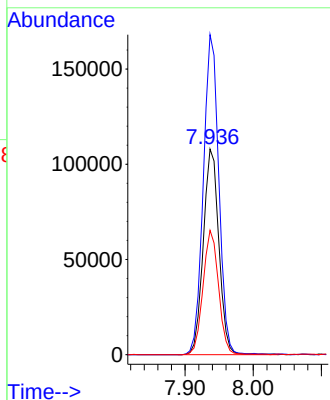
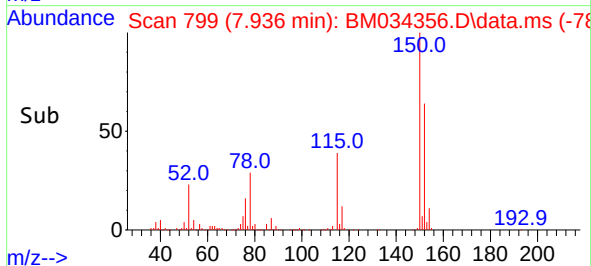
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BNA_M
ClientSampleId :
C-10-9-10



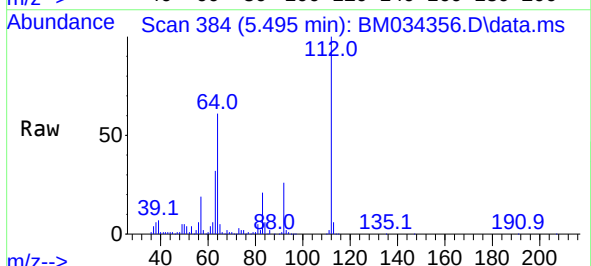
Tgt Ion:152 Resp: 172049
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.2
115 60.4 50.1 75.1

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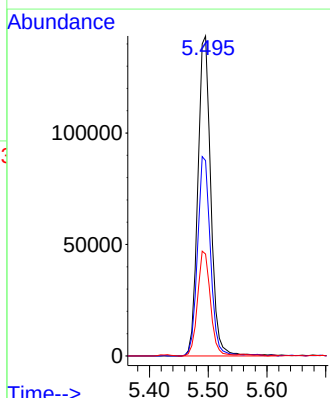
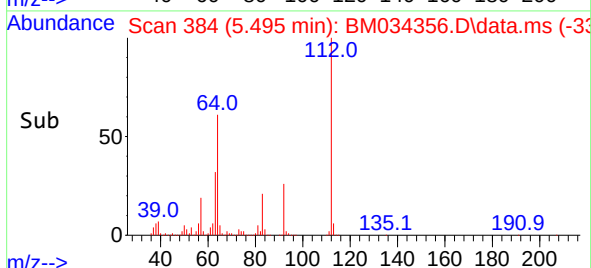
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

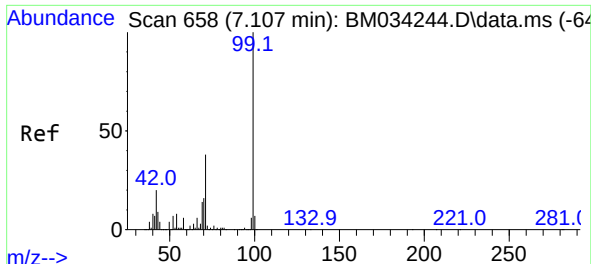


#5
2-Fluorophenol
Concen: 22.928 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34



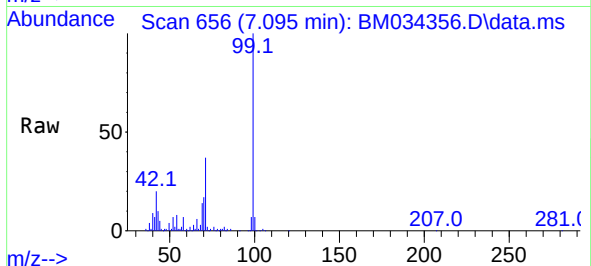
Tgt Ion:112 Resp: 219887
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 31.8 27.1 40.7





#7
Phenol-d6
Concen: 19.761 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

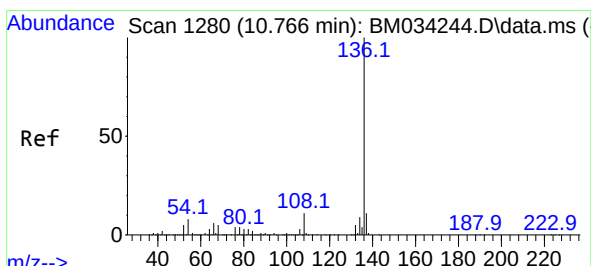
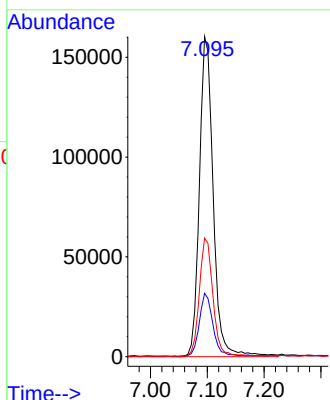
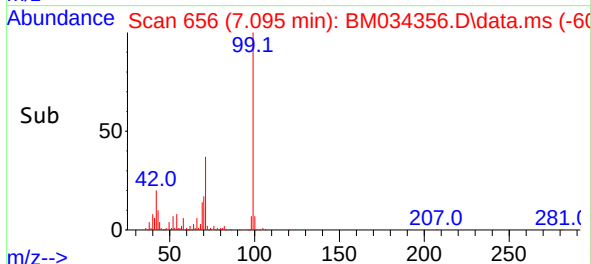
Instrument :
BNA_M
ClientSampleId :
C-10-9-10



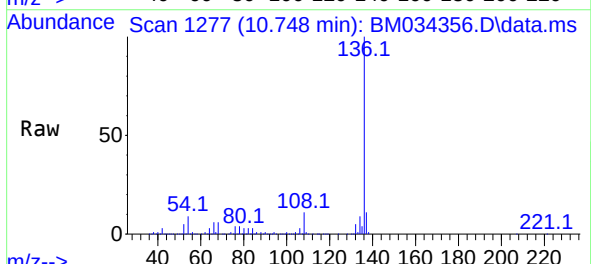
Tgt Ion: 99 Resp: 27134
Ion Ratio Lower Upper
99 100
42 19.8 15.6 23.4
71 37.0 30.6 46.0

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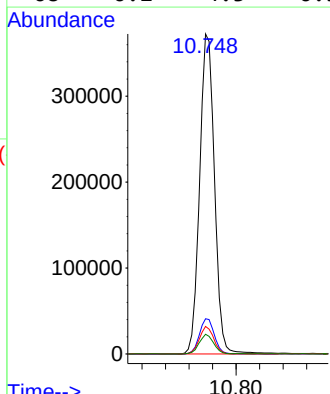
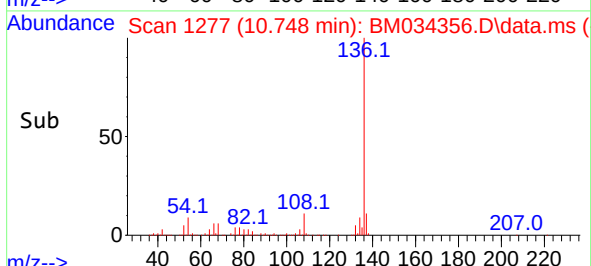
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

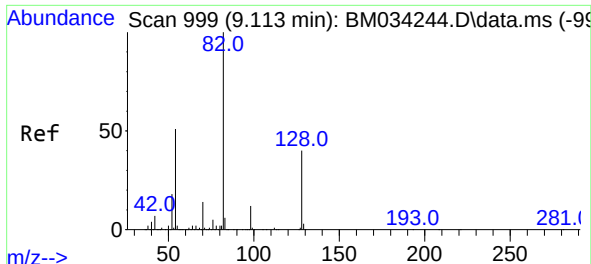


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34



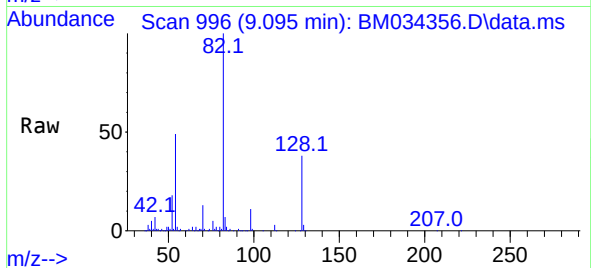
Tgt Ion:136 Resp: 655253
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 6.2 9.4
68 6.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 13.360 ng
RT: 9.095 min Scan# 996
Delta R.T. -0.012 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

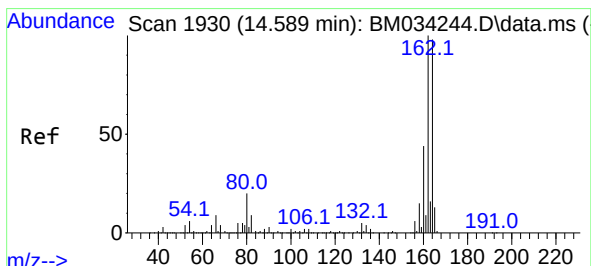
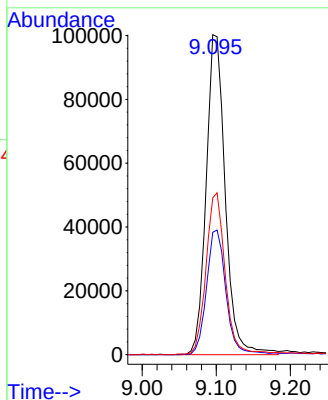
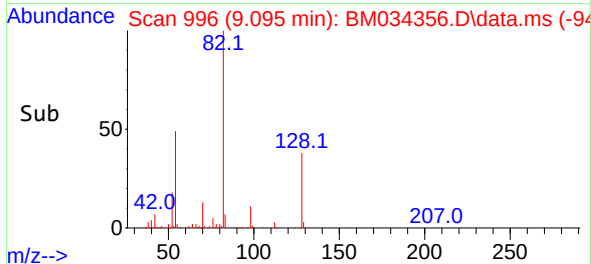
Instrument :
BNA_M
ClientSampleId :
C-10-9-10



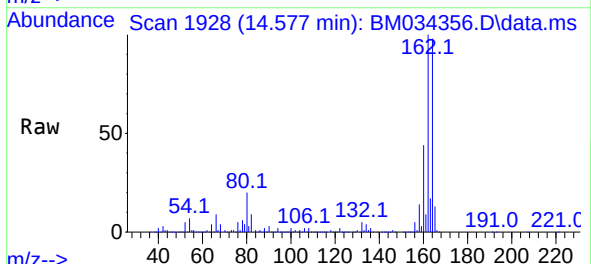
Tgt Ion: 82 Resp: 17980
Ion Ratio Lower Upper
82 100
128 38.3 31.9 47.9
54 49.0 40.6 61.0

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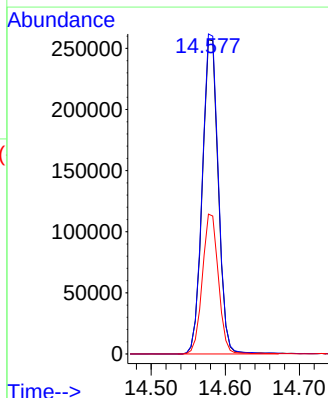
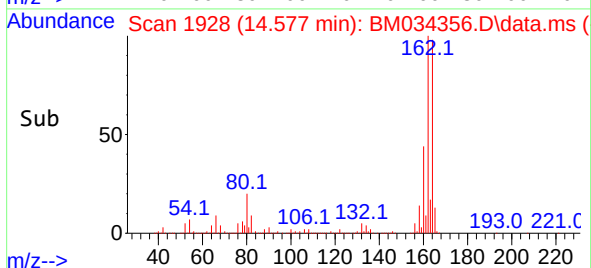
Reviewed By :Christian Giraldo 03/24/2022
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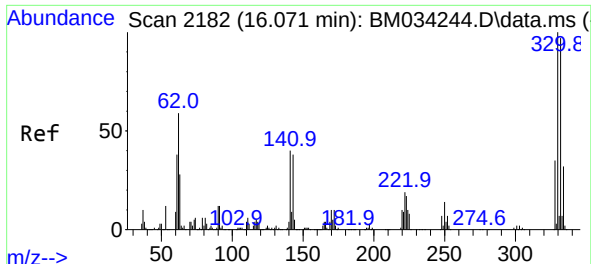


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34



Tgt Ion:164 Resp: 383878
Ion Ratio Lower Upper
164 100
162 101.9 81.6 122.4
160 44.5 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 19.471 ng
RT: 16.065 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

Instrument :

BNA_M

ClientSampleId :

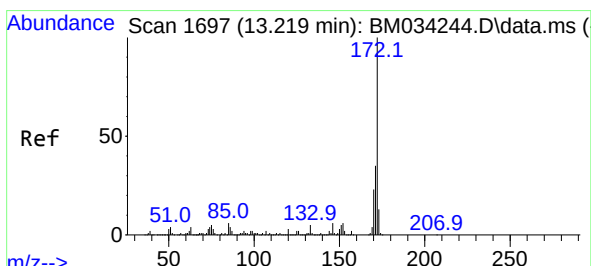
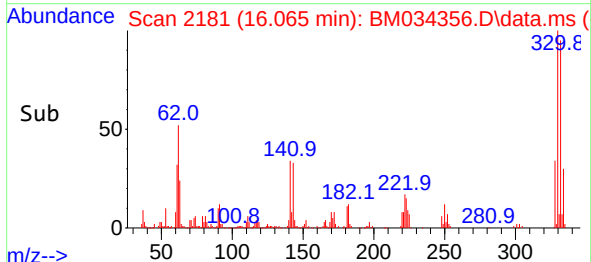
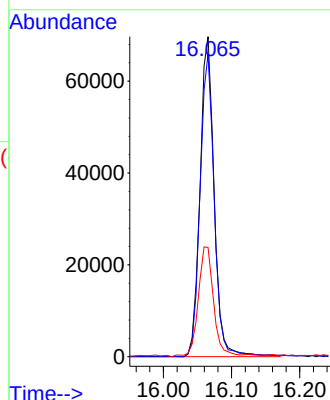
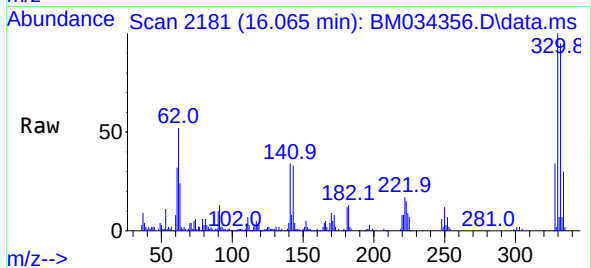
C-10-9-10

Tgt Ion:330 Resp: 100748
Ion Ratio Lower Upper
330 100
332 94.5 78.2 117.4
141 37.1 30.6 45.8

Manual Integrations

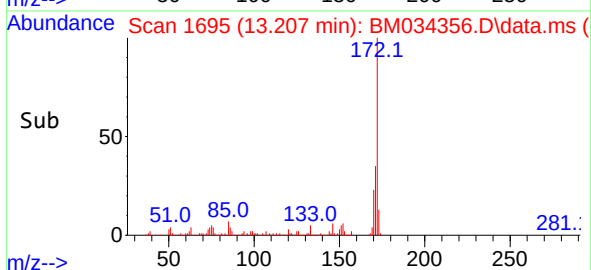
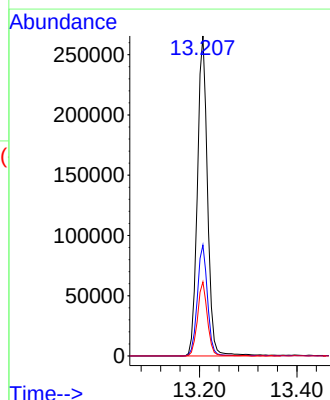
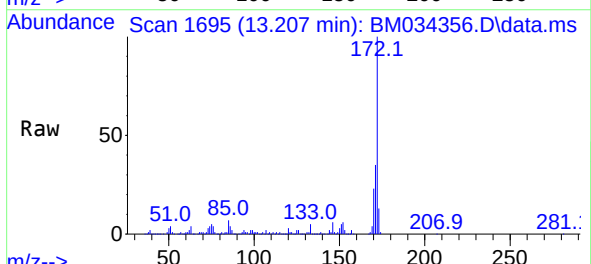
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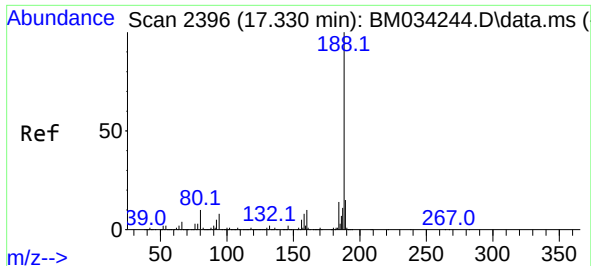
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#45
2-Fluorobiphenyl
Concen: 13.749 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

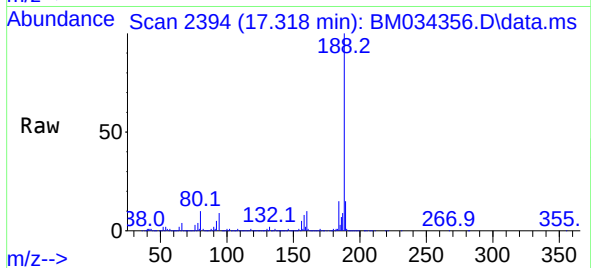
Tgt Ion:172 Resp: 386233
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

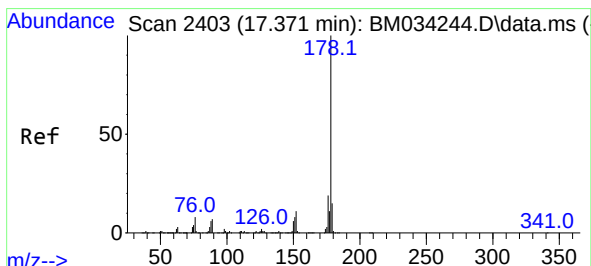
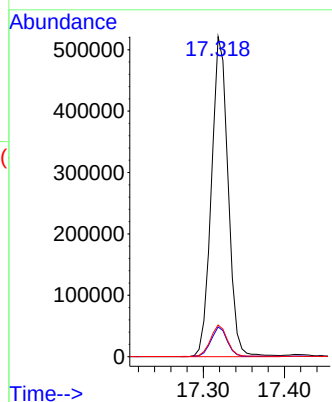
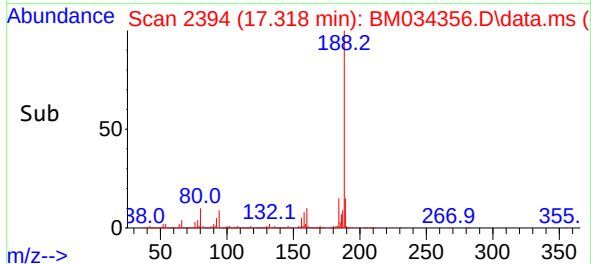
Instrument :
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C-10-9-10



Tgt Ion:188 Resp: 74346
Ion Ratio Lower Upper
188 100
94 9.3 6.6 9.8
80 9.9 7.8 11.8

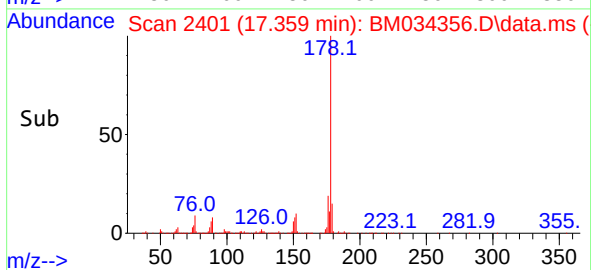
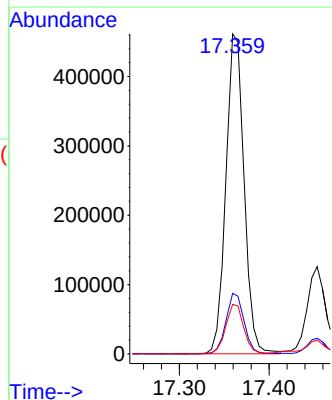
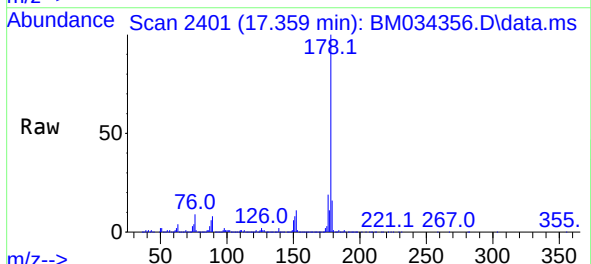
Manual Integrations
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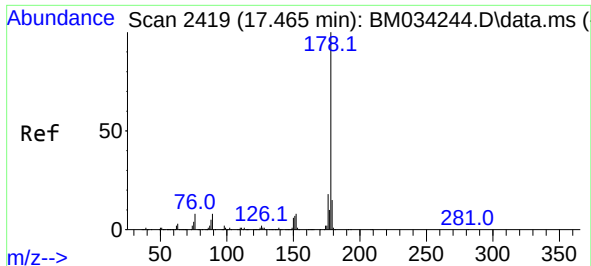
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 15.605 ng
RT: 17.359 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

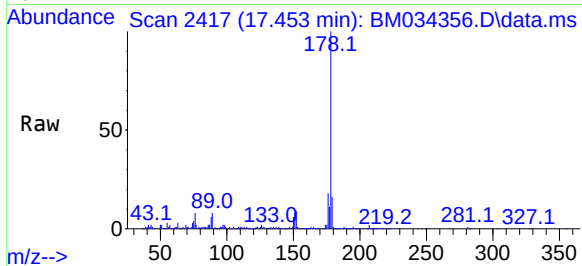
Tgt Ion:178 Resp: 649705
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.2 18.4





#72
 Anthracene
 Concen: 4.245 ng
 RT: 17.453 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34

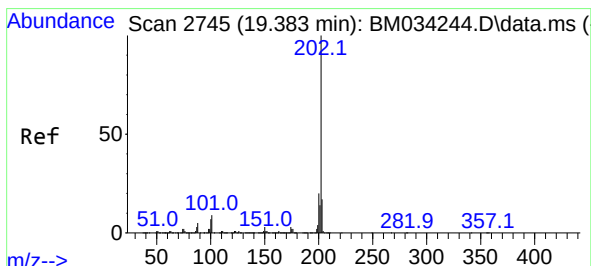
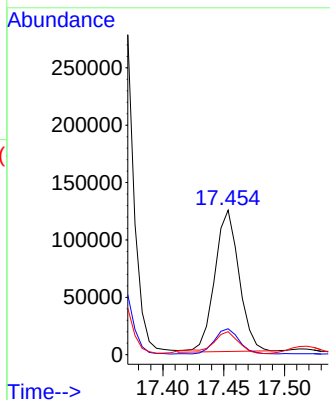
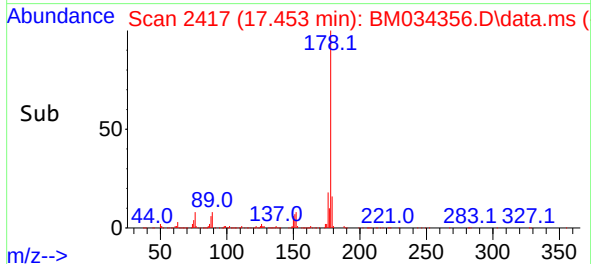
Instrument :
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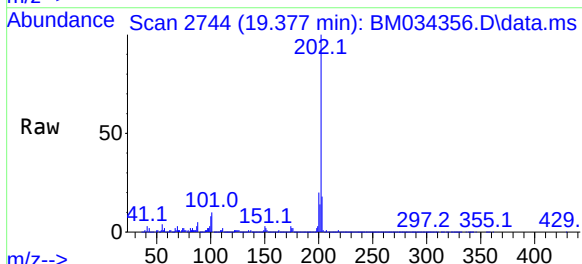
Tgt Ion:178 Resp: 172039
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 15.9 12.2 18.2

Manual Integrations
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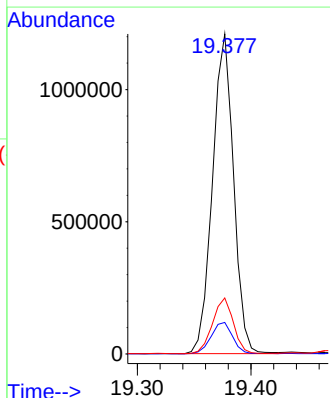
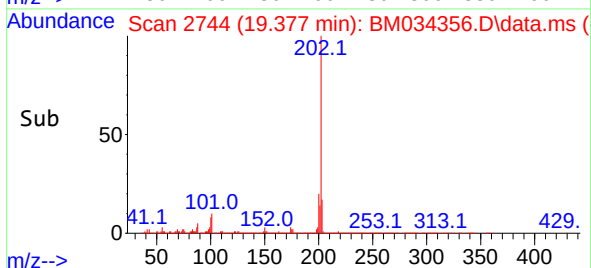
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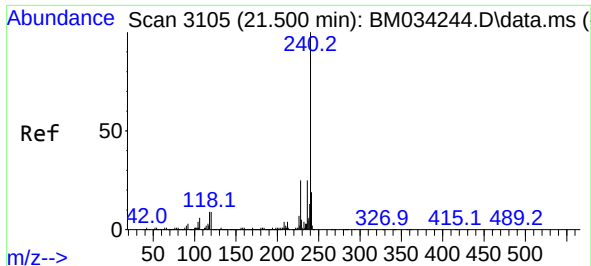


#75
 Fluoranthene
 Concen: 33.433 ng
 RT: 19.377 min Scan# 2744
 Delta R.T. -0.000 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34



Tgt Ion:202 Resp: 1560461
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.4
 203 17.5 0.0 37.1





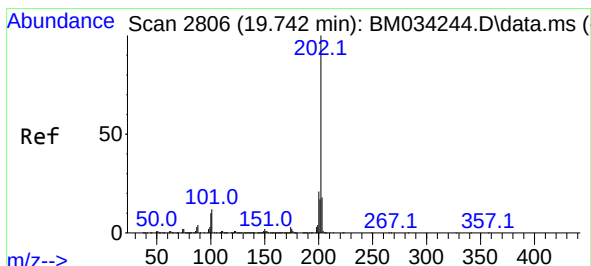
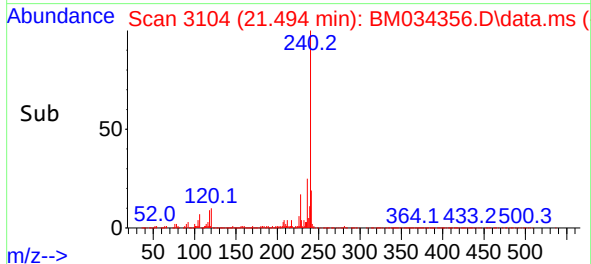
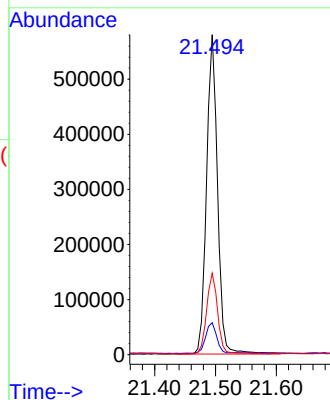
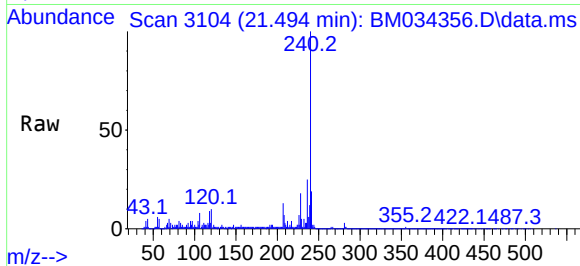
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

Instrument :
BNA_M
ClientSampleId :
C-10-9-10

Tgt Ion:240 Resp: 725524
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.5 20.2 30.2

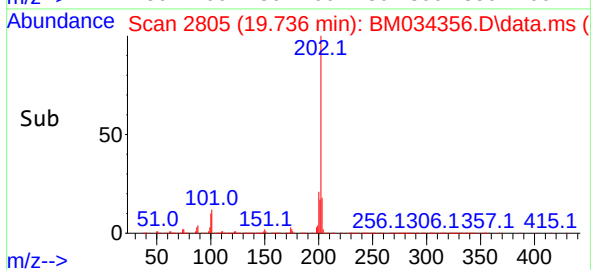
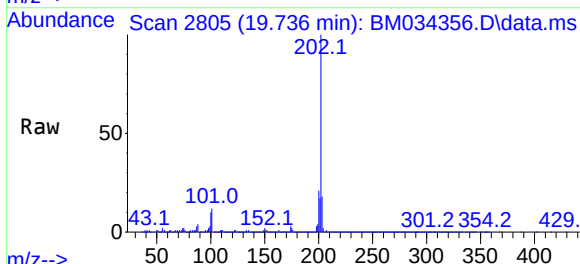
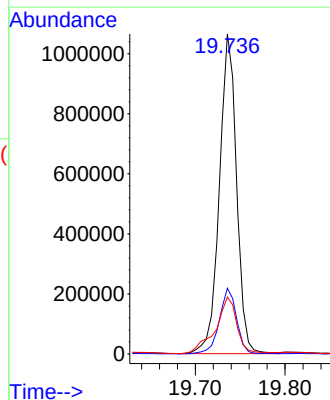
Manual Integrations
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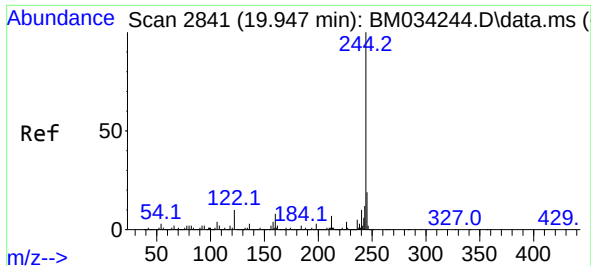
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#78
Pyrene
Concen: 27.729 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.000 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

Tgt Ion:202 Resp: 1417448
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.8 14.1 21.1





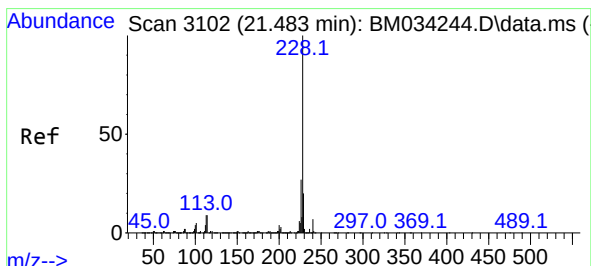
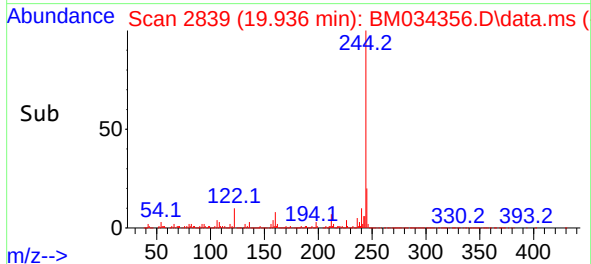
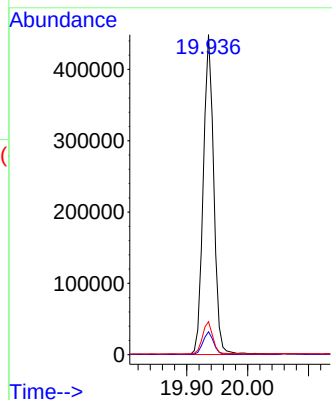
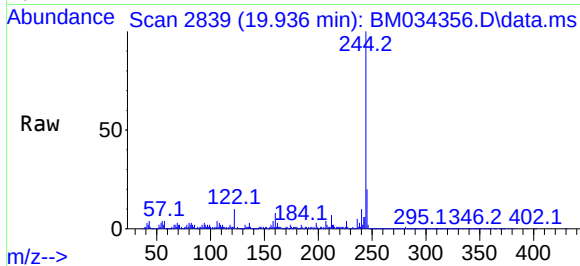
#79
 Terphenyl-d14
 Concen: 12.853 ng
 RT: 19.936 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34

Instrument :
 BNA_M
 ClientSampleId :
 C-10-9-10

Tgt Ion:244 Resp: 53667
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.3 7.8 11.8

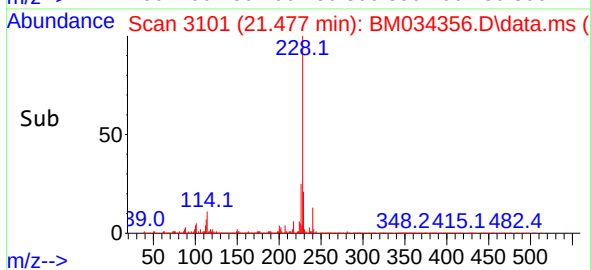
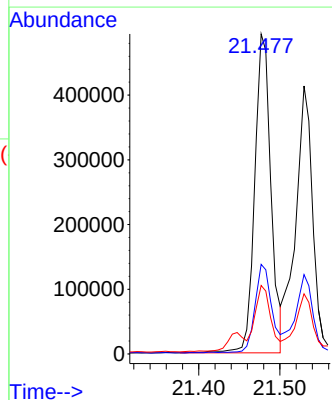
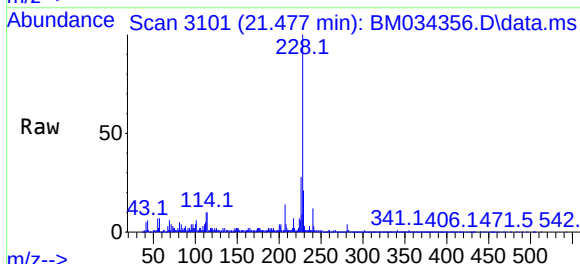
Manual Integrations
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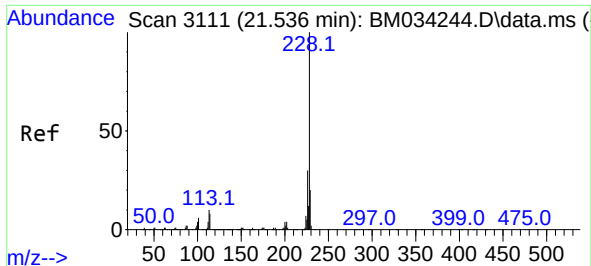
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#81
 Benzo(a)anthracene
 Concen: 14.958 ng
 RT: 21.477 min Scan# 3101
 Delta R.T. -0.000 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34

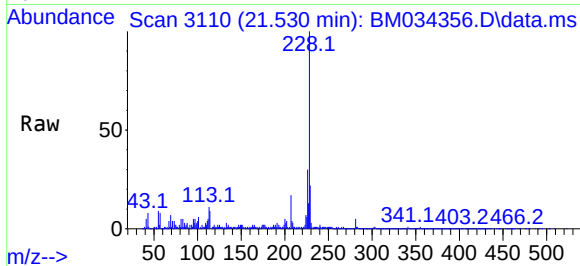
Tgt Ion:228 Resp: 684947
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.6 32.4
 229 21.4 15.8 23.6





#83
Chrysene
Concen: 13.134 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

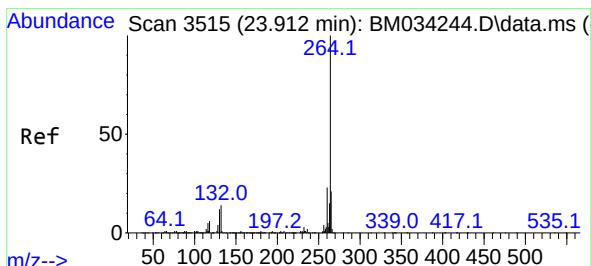
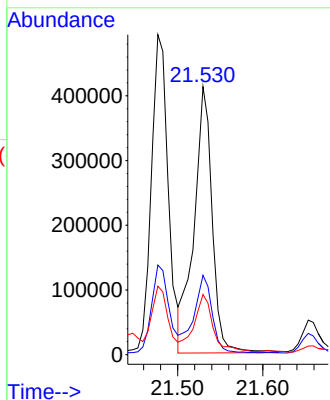
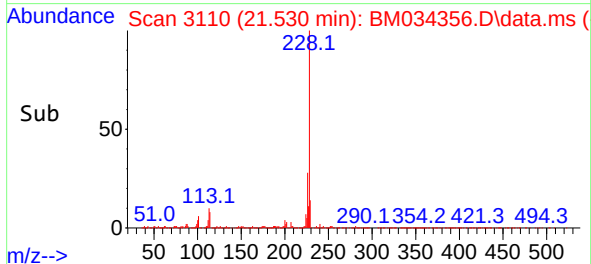
Instrument :
BNA_M
ClientSampleId :
C-10-9-10



Tgt Ion:228 Resp: 614180
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 22.5 15.6 23.4

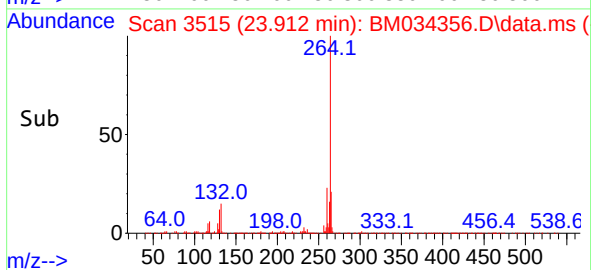
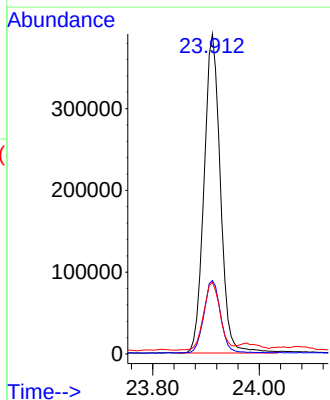
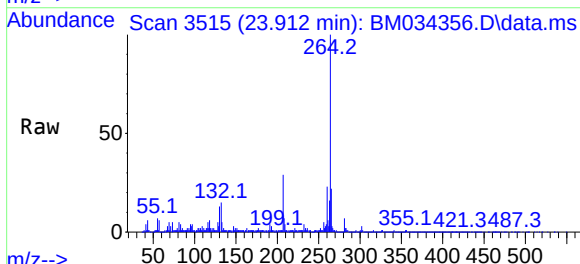
Manual Integrations
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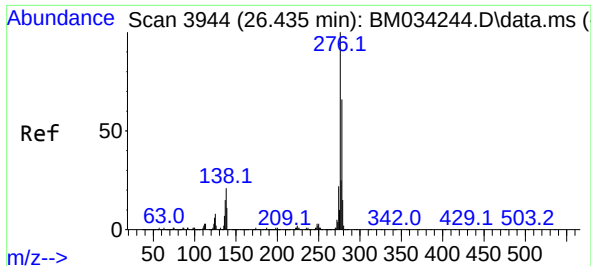
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

Tgt Ion:264 Resp: 830138
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 22.3 17.6 26.4





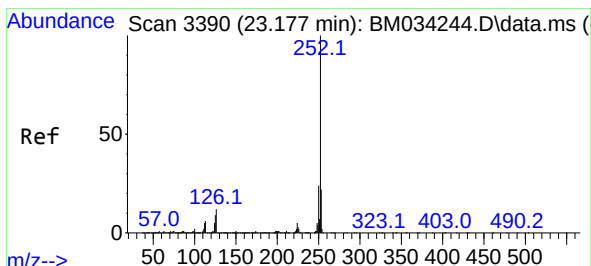
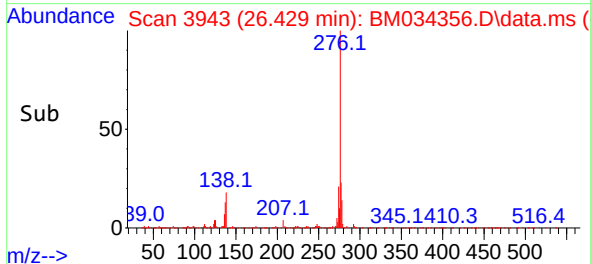
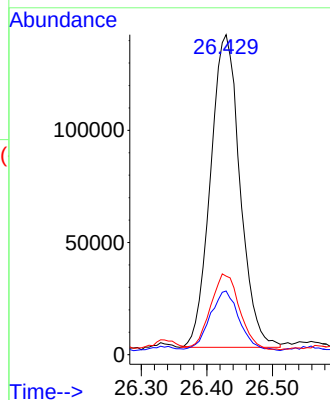
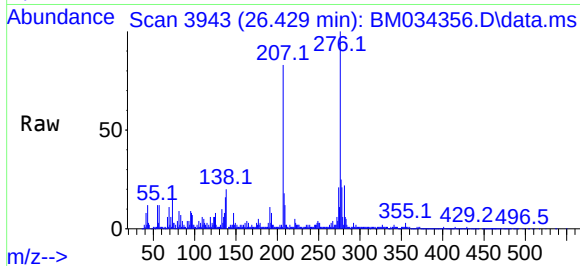
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.159 ng
 RT: 26.429 min Scan# 3943
 Delta R.T. 0.006 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34

Instrument :
 BNA_M
 ClientSampleId :
 C-10-9-10

Tgt Ion:276 Resp: 435718
 Ion Ratio Lower Upper
 276 100
 138 19.0 16.6 25.0
 277 23.7 19.8 29.6

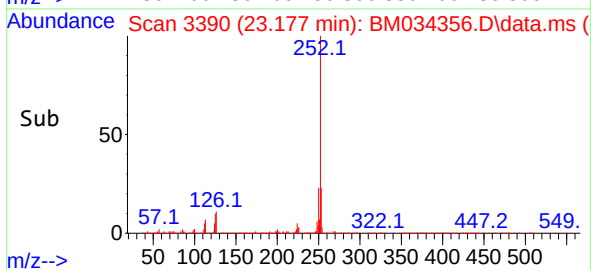
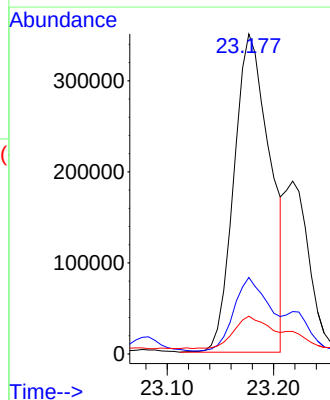
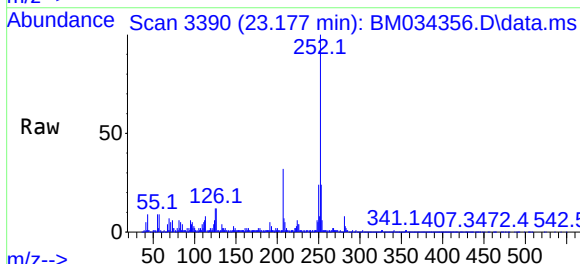
Manual Integrations
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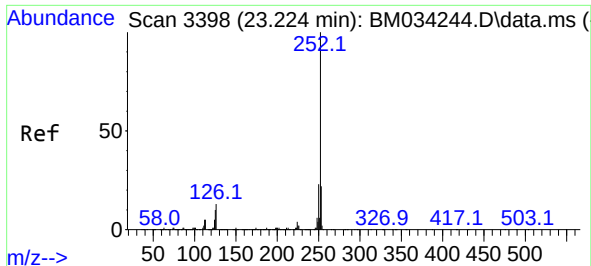
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#88
 Benzo(b)fluoranthene
 Concen: 16.552 ng
 RT: 23.177 min Scan# 3390
 Delta R.T. 0.006 min
 Lab File: BM034356.D
 Acq: 24 Mar 2022 01:34

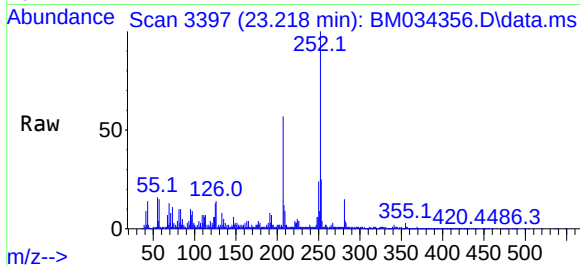
Tgt Ion:252 Resp: 821648
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.8
 125 11.8 7.2 10.8#





#89
Benzo(k)fluoranthene
Concen: 5.651 ng m
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

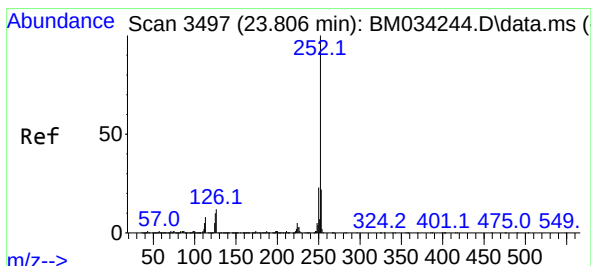
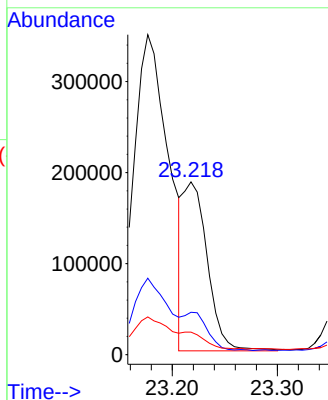
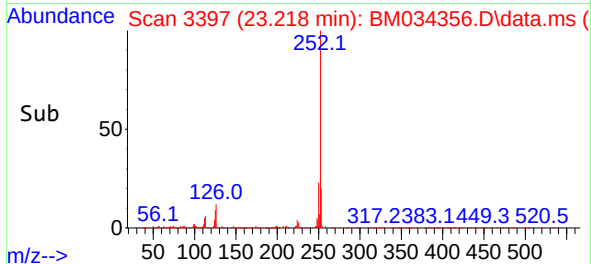
Instrument :
BNA_M
ClientSampleId :
C-10-9-10



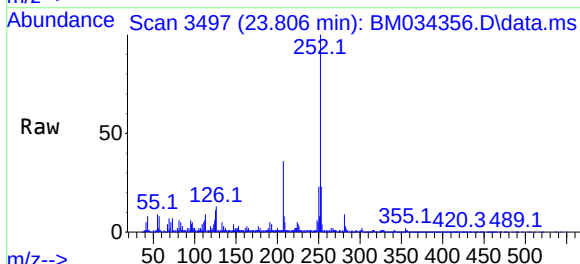
Tgt Ion:252 Resp: 29714
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 13.1 7.5 11.3

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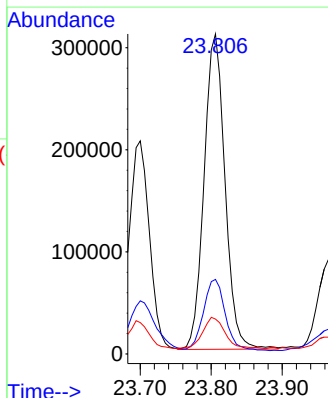
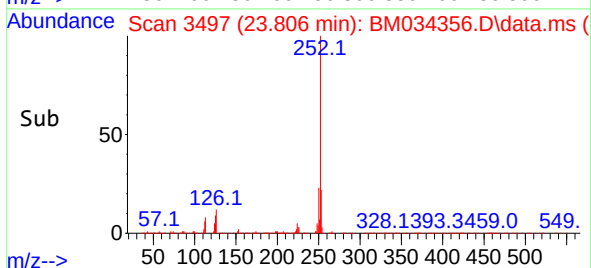
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

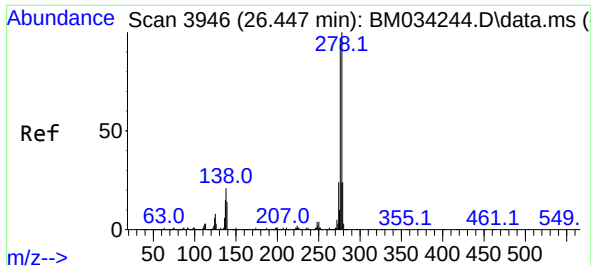


#90
Benzo(a)pyrene
Concen: 15.054 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34



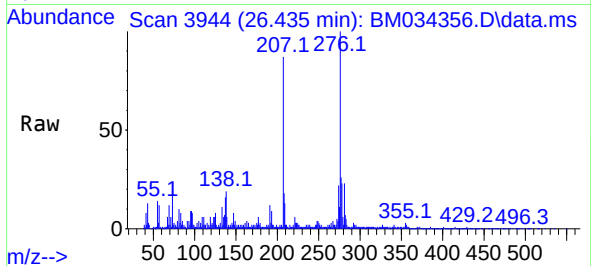
Tgt Ion:252 Resp: 633486
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.9 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.454 ng
RT: 26.435 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

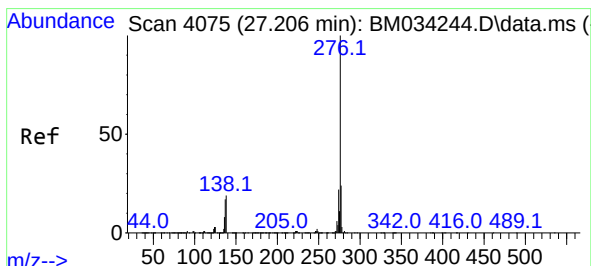
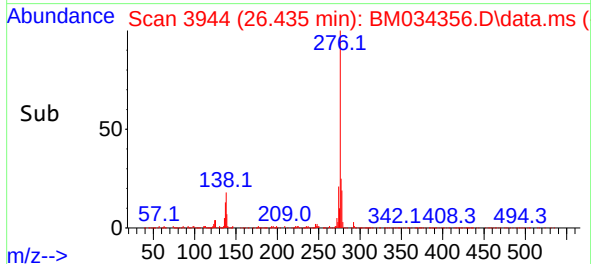
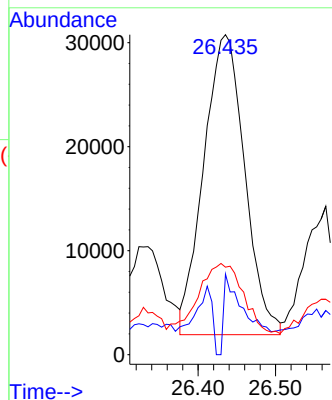
Instrument :
BNA_M
ClientSampleId :
C-10-9-10



Tgt Ion: 278 Resp: 106250
Ion Ratio Lower Upper
278 100
139 25.2 11.2 16.8
279 27.3 19.2 28.8

Manual Integrations
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Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#92
Benzo(g,h,i)perylene
Concen: 10.184 ng
RT: 27.206 min Scan# 4075
Delta R.T. 0.006 min
Lab File: BM034356.D
Acq: 24 Mar 2022 01:34

Tgt Ion: 276 Resp: 456416
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.4
138 19.7 15.6 23.4

