

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034357.D
 Acq On : 24 Mar 2022 02:10
 Operator : CG/JU
 Sample : N1958-12 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-12-11-12

Manual Integrations
 APPROVED

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

Quant Time: Mar 24 02:44:51 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	7.937	152	168568	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	676117	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	400068	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	774190	20.000	ng	0.00
76) Chrysene-d12	21.494	240	727003	20.000	ng	0.00
86) Perylene-d12	23.912	264	814931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	227945	24.259	ng	0.00
7) Phenol-d6	7.101	99	286892	21.325	ng	0.00
23) Nitrobenzene-d5	9.101	82	179714	12.941	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	109542	20.314	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	393745	13.449	ng	0.00
79) Terphenyl-d14	19.936	244	532785	12.734	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.801	128	1027012	29.157	ng	99
37) 2-Methylnaphthalene	12.413	142	374274	14.891	ng	98
38) 1-Methylnaphthalene	12.630	142	345972	14.071	ng	99
49) Acenaphthylene	14.301	152	113471	3.109	ng	# 94
52) Acenaphthene	14.642	154	478382	19.461	ng	99
55) Dibenzofuran	14.977	168	525851	14.355	ng	97
58) Fluorene	15.624	166	848609	28.534	ng	99
71) Phenanthrene	17.371	178	6641589	153.186	ng	98
72) Anthracene	17.454	178	1648073	39.054	ng	99
73) Carbazole	17.718	167	453881	11.533	ng	99
75) Fluoranthene	19.377	202	4571996	94.067	ng	97
78) Pyrene	19.742	202	4364704	85.212	ng	99
81) Benzo(a)anthracene	21.483	228	1831941	39.924	ng	98
83) Chrysene	21.536	228	1483324	31.656	ng	97
87) Indeno(1,2,3-cd)pyrene	26.429	276	645467	12.313	ng	98
88) Benzo(b)fluoranthene	23.183	252	1544673	31.698	ng	99
89) Benzo(k)fluoranthene	23.218	252	446317m	8.646	ng	
90) Benzo(a)pyrene	23.806	252	1300120	31.471	ng	99
91) Dibenzo(a,h)anthracene	26.435	278	185860	4.372	ng	# 82
92) Benzo(g,h,i)perylene	27.206	276	669067	15.207	ng	99

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

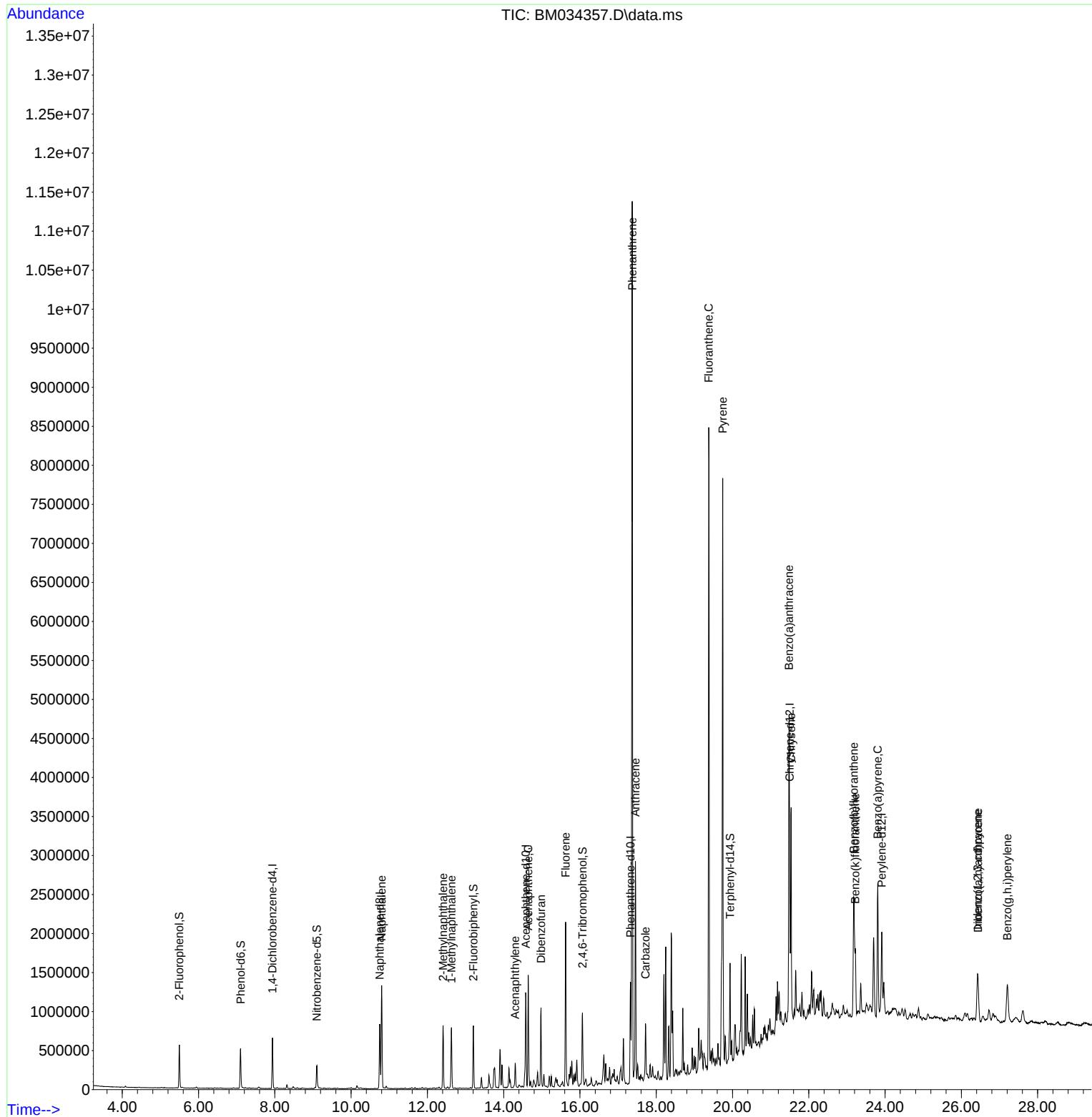
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034357.D
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ALS Vial : 19 Sample Multiplier: 1

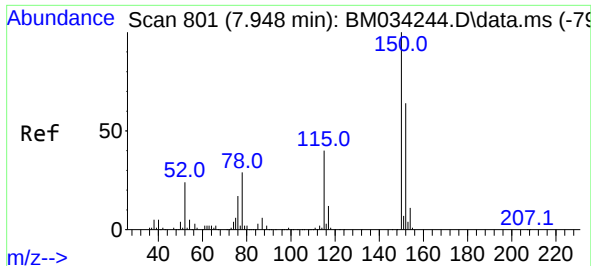
Instrument :
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C-12-11-12

Quant Time: Mar 24 02:44:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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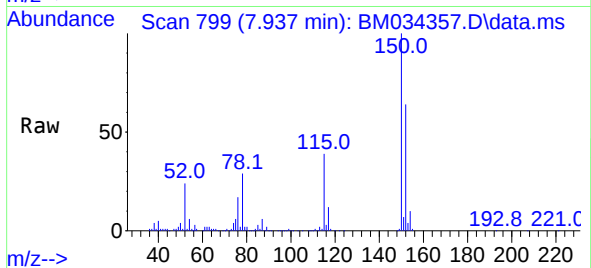
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 799
Delta R.T. -0.005 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

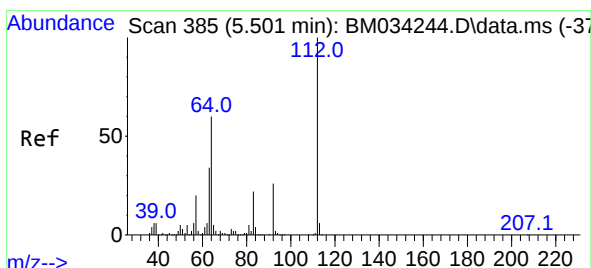
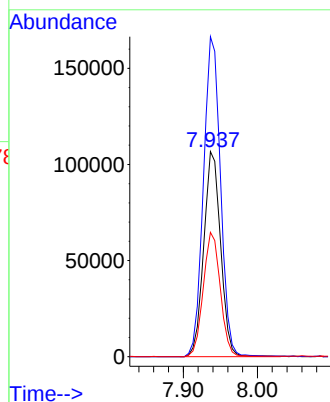
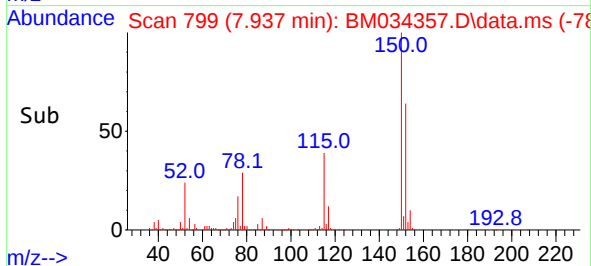
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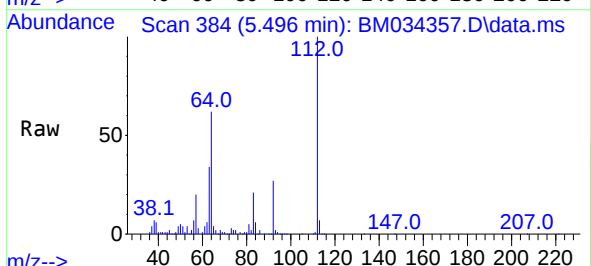
Tgt Ion:152 Resp: 168568
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.2
115 60.6 50.1 75.1

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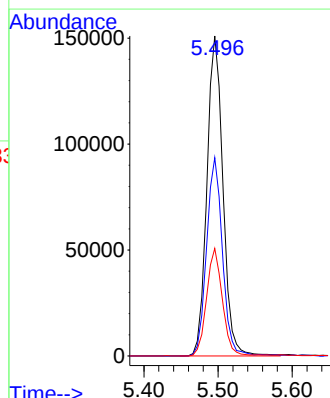
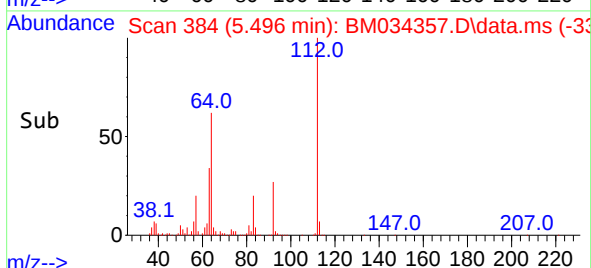
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

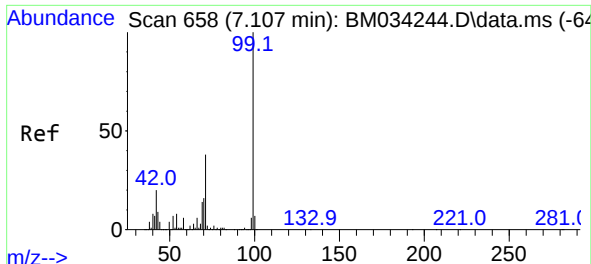


#5
2-Fluorophenol
Concen: 24.259 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



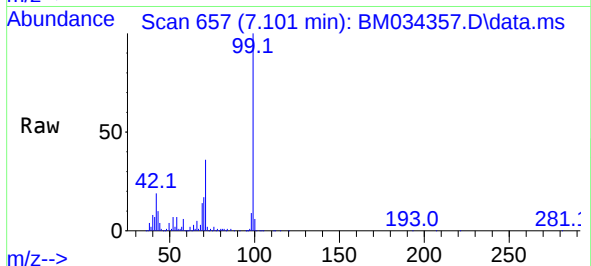
Tgt Ion:112 Resp: 227945
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 33.6 27.1 40.7





#7
Phenol-d6
Concen: 21.325 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

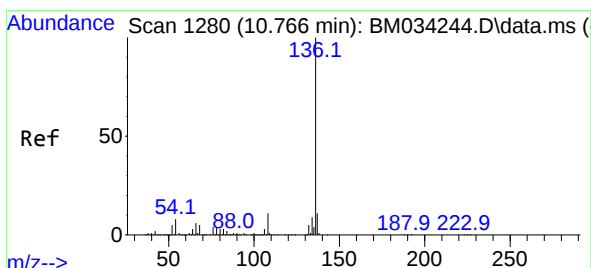
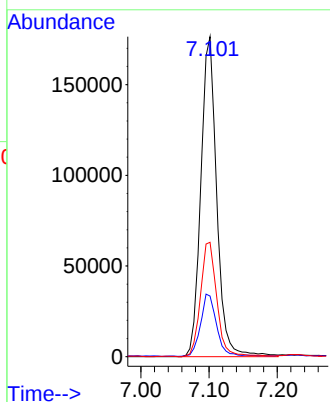
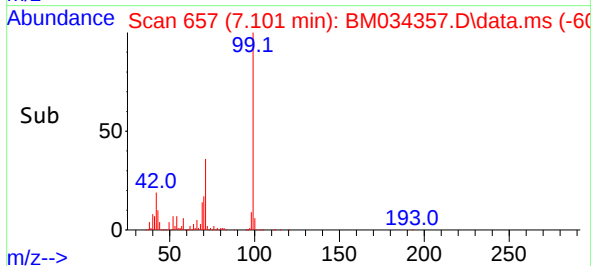
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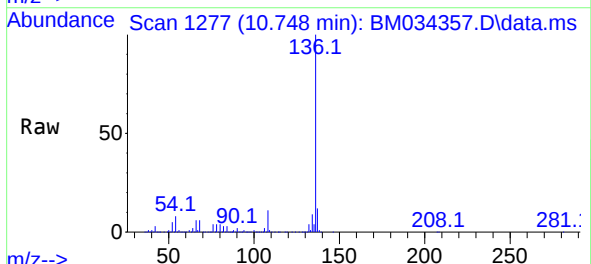
Tgt Ion: 99 Resp: 286892
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 35.8 30.6 46.0

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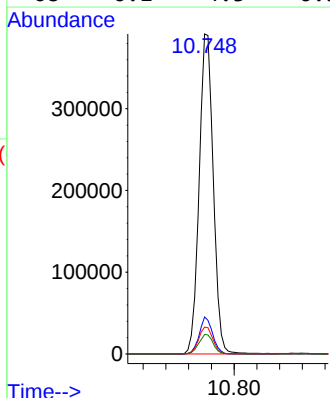
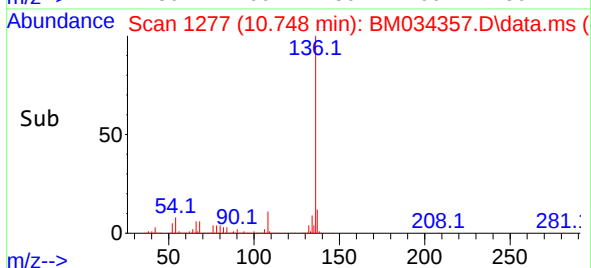
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

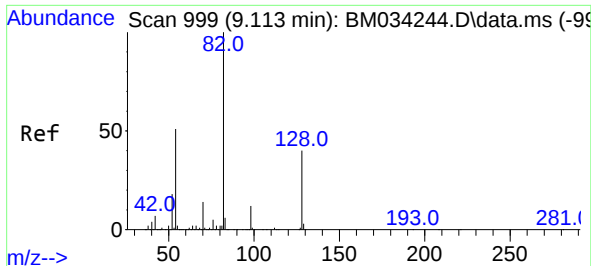


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



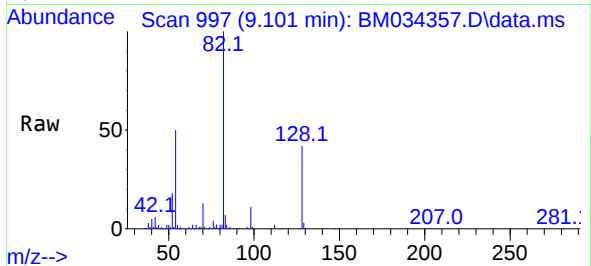
Tgt Ion:136 Resp: 676117
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.4 6.2 9.4
68 6.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 12.941 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

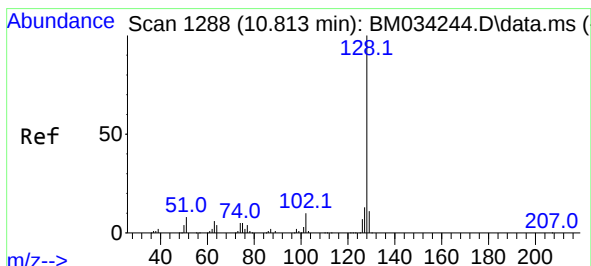
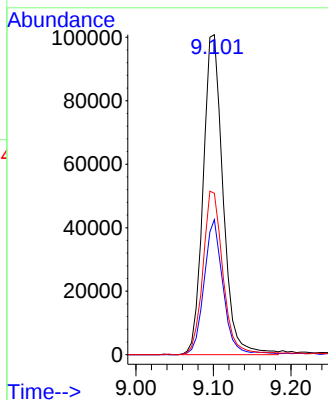
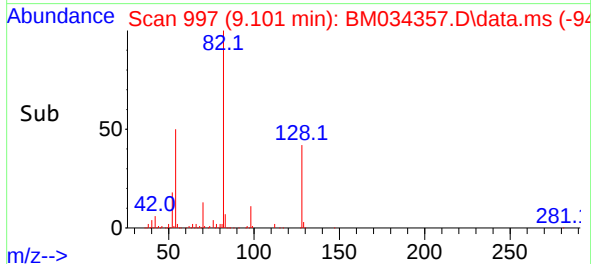
Instrument :
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C-12-11-12



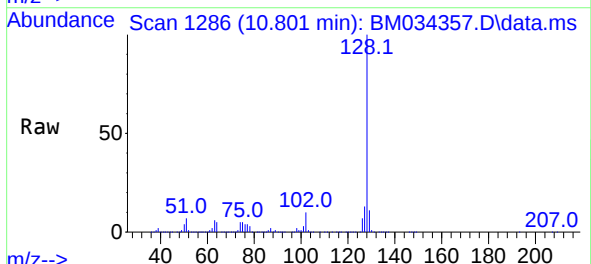
Tgt Ion: 82 Resp: 179714
Ion Ratio Lower Upper
82 100
128 42.2 31.9 47.9
54 50.4 40.6 61.0

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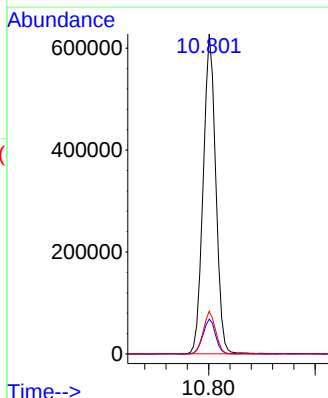
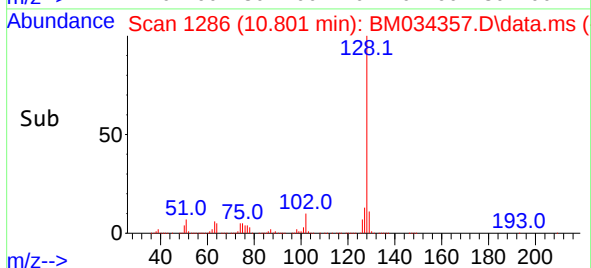
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

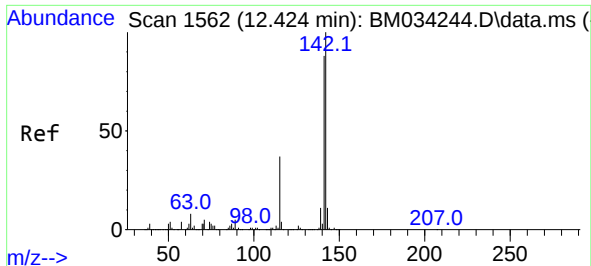


#31
Naphthalene
Concen: 29.157 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



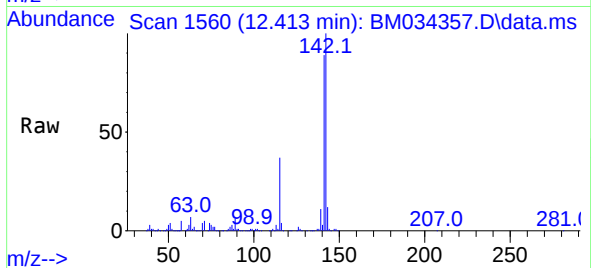
Tgt Ion:128 Resp: 1027012
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.4 10.2 15.4





#37
2-Methylnaphthalene
Concen: 14.891 ng
RT: 12.413 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

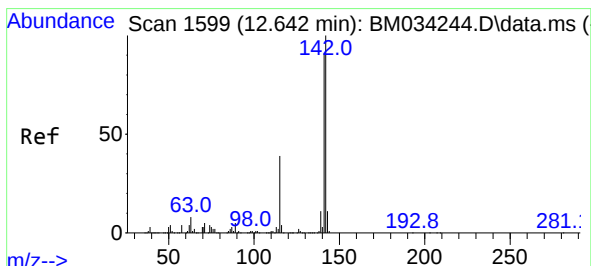
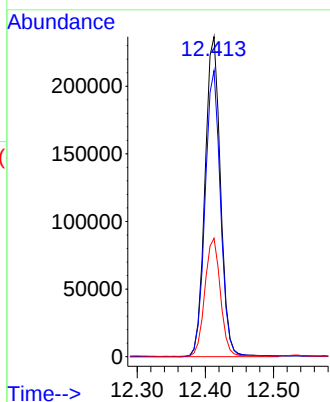
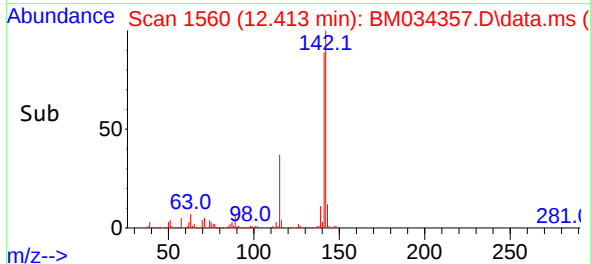
Instrument :
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ClientSampleId :
C-12-11-12



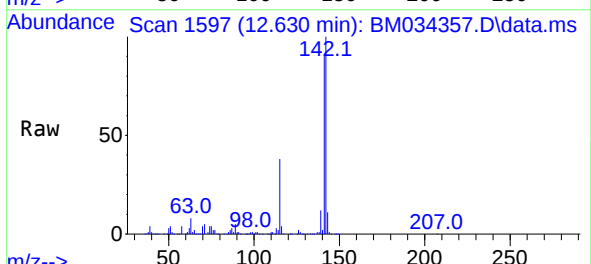
Tgt Ion:142 Resp: 374274
Ion Ratio Lower Upper
142 100
141 89.4 70.1 105.1
115 37.0 29.9 44.9

Manual Integrations
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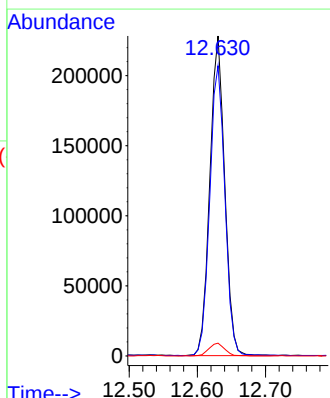
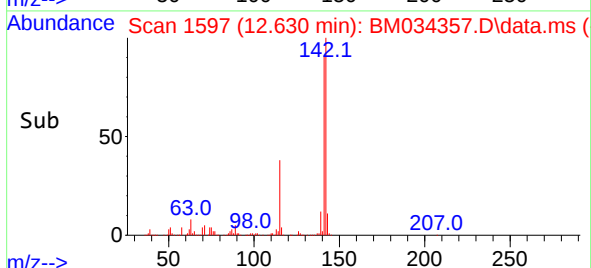
Reviewed By :Christian Giraldo 03/24/2022
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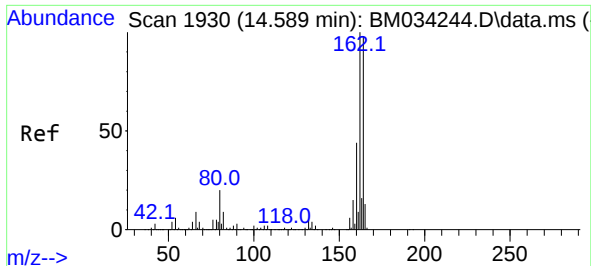


#38
1-Methylnaphthalene
Concen: 14.071 ng
RT: 12.630 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



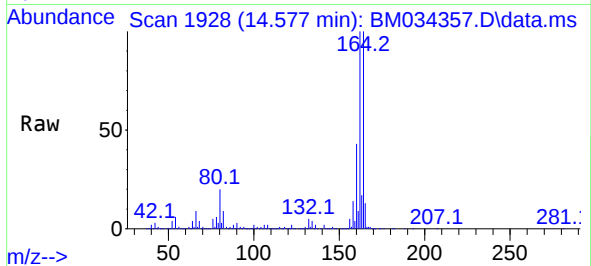
Tgt Ion:142 Resp: 345972
Ion Ratio Lower Upper
142 100
141 90.7 73.0 109.6
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

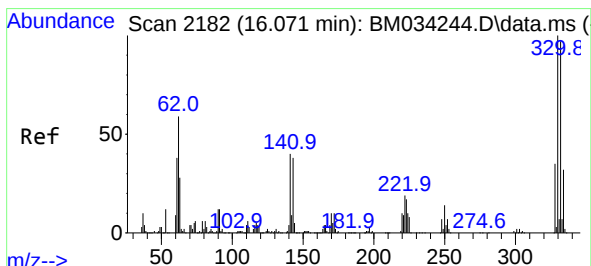
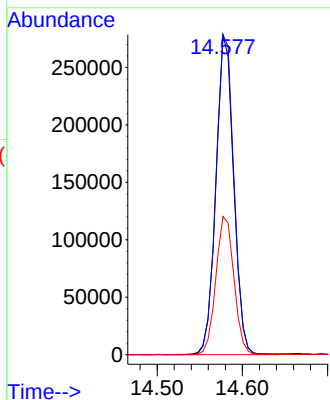
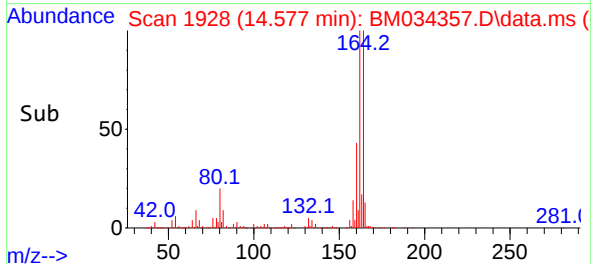
Instrument :
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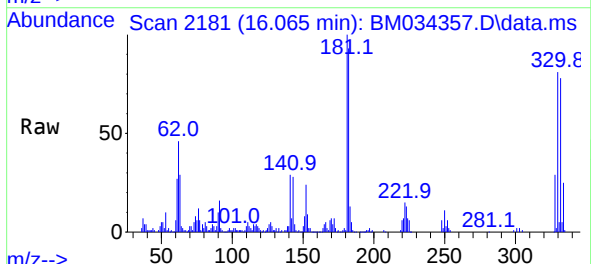
Tgt Ion:164 Resp: 400068
Ion Ratio Lower Upper
164 100
162 100.1 81.6 122.4
160 43.2 35.6 53.4

Manual Integrations
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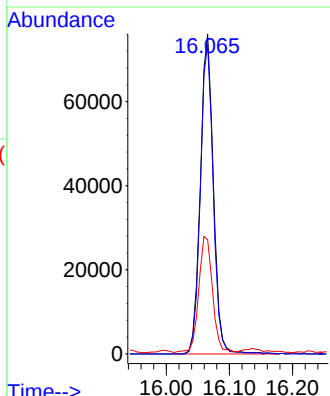
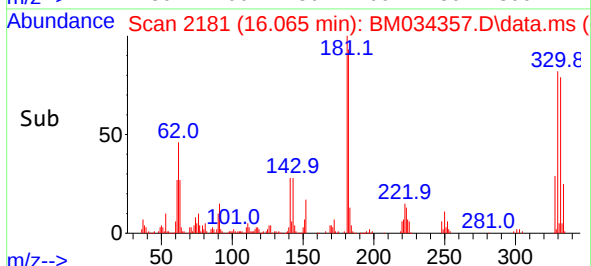
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Supervised By :Jagrut Upadhyay 03/24/2022

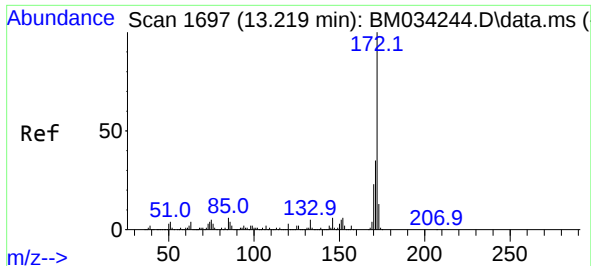


#42
2,4,6-Tribromophenol
Concen: 20.314 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



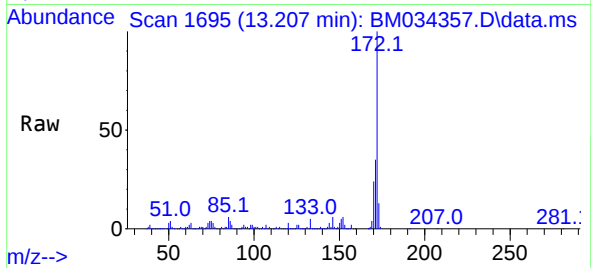
Tgt Ion:330 Resp: 109542
Ion Ratio Lower Upper
330 100
332 95.0 78.2 117.4
141 38.2 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 13.449 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

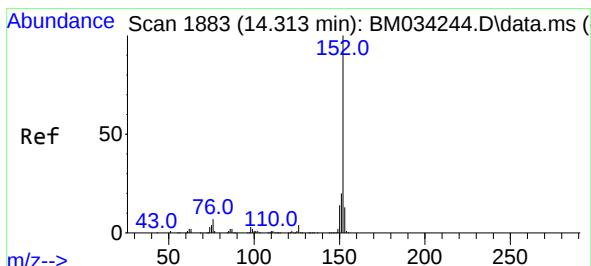
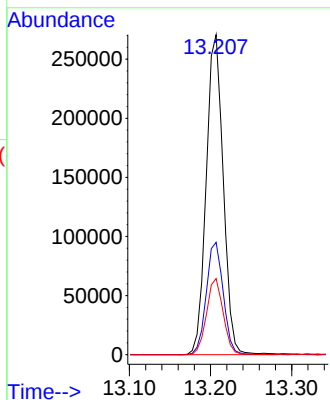
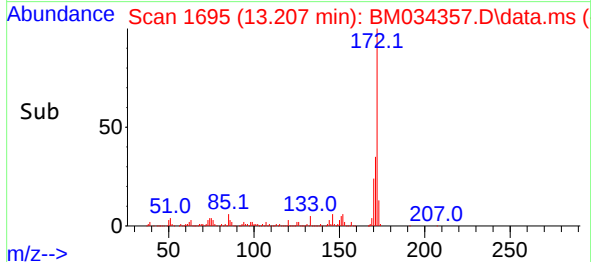
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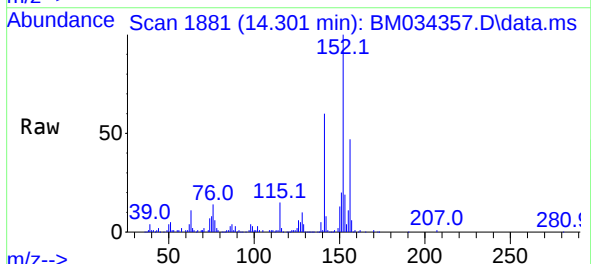
Tgt Ion:172 Resp: 393749
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.8 18.6 28.0

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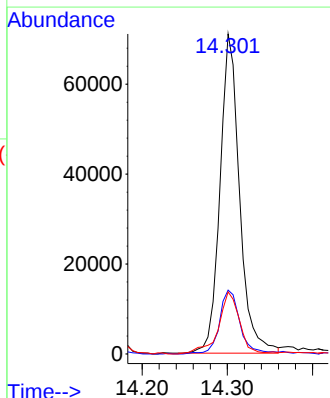
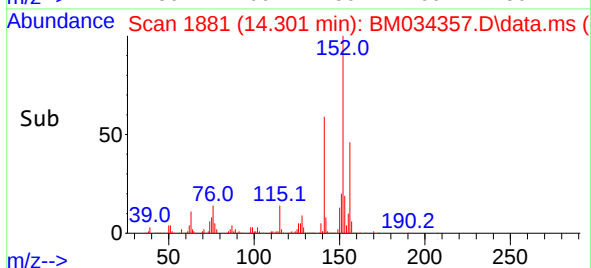
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

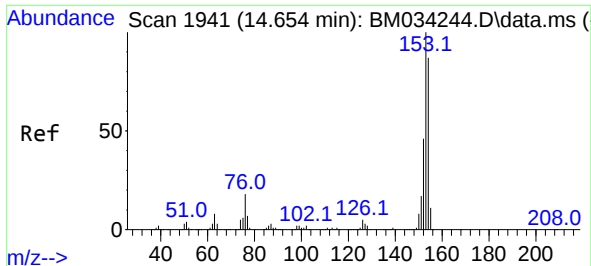


#49
Acenaphthylene
Concen: 3.109 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



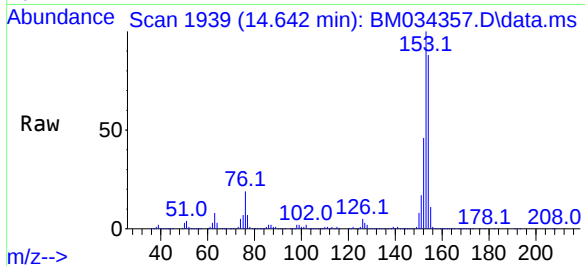
Tgt Ion:152 Resp: 113471
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 19.4 10.6 16.0#





#52
Acenaphthene
Concen: 19.461 ng
RT: 14.642 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

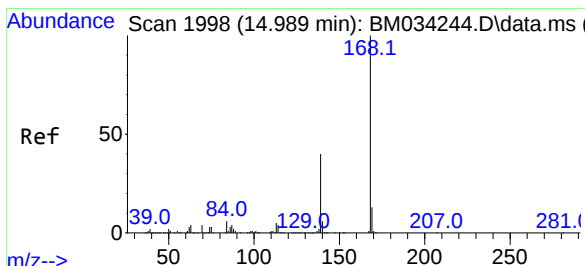
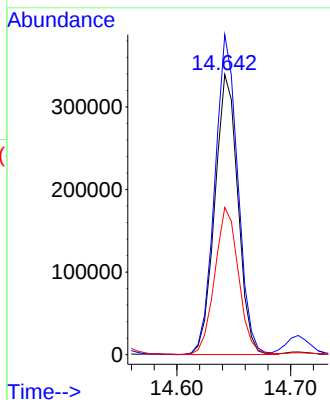
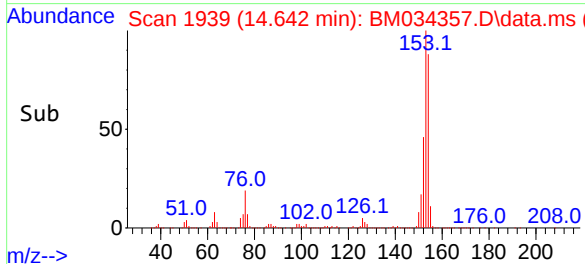
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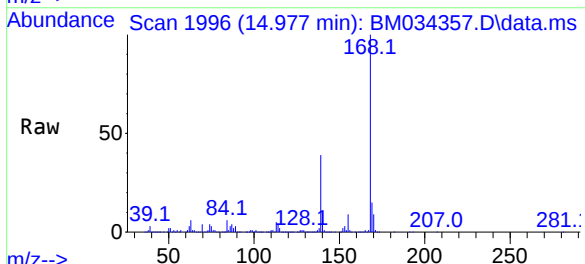
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Ion Ratio Lower Upper
154 100
153 114.2 91.8 137.8
152 52.6 42.6 64.0

Manual Integrations
APPROVED

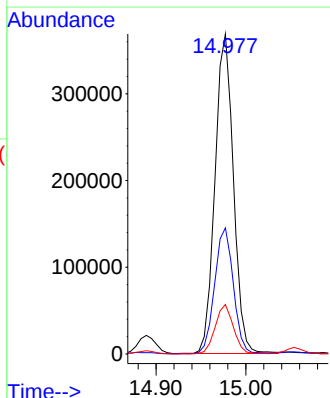
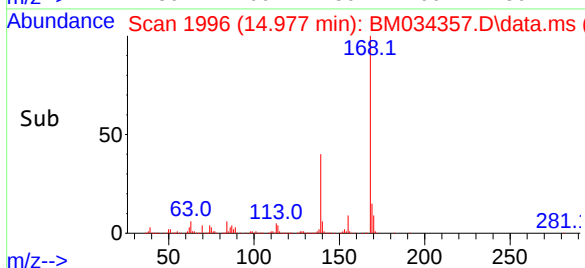
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

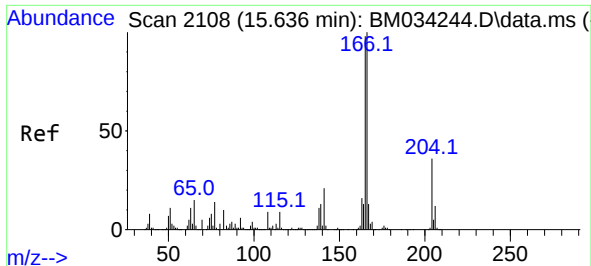


#55
Dibenzofuran
Concen: 14.355 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



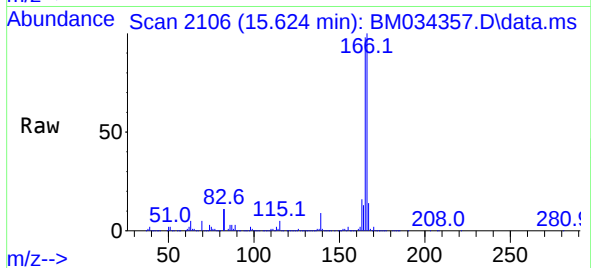
Tgt Ion:168 Resp: 525851
Ion Ratio Lower Upper
168 100
139 39.4 32.4 48.6
169 15.5 10.8 16.2





#58
Fluorene
Concen: 28.534 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

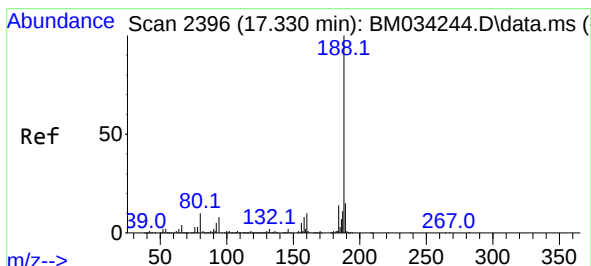
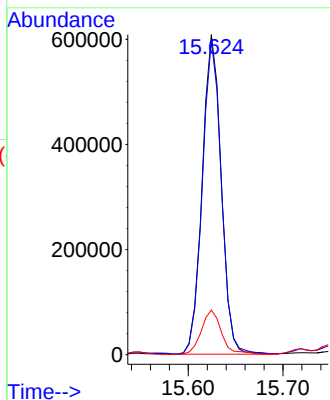
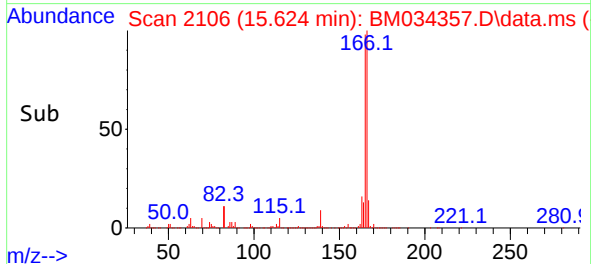
Instrument :
BNA_M
ClientSampleId :
C-12-11-12



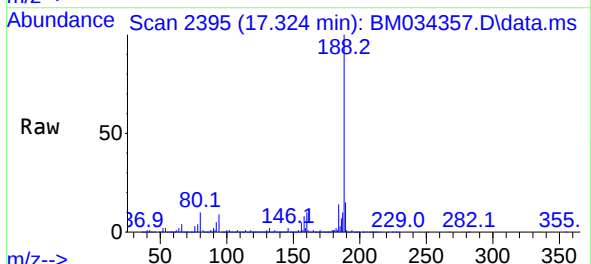
Tgt Ion:166 Resp: 848609
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 14.0 10.5 15.7

Manual Integrations
APPROVED

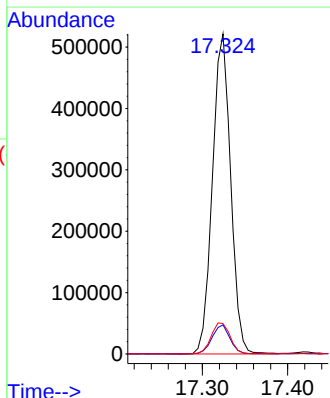
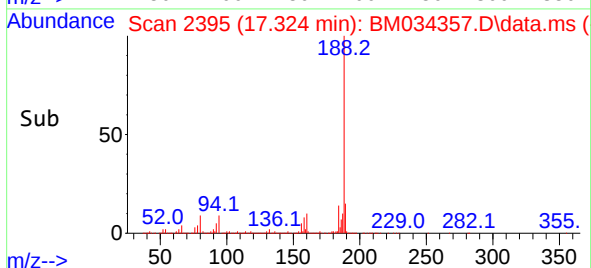
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

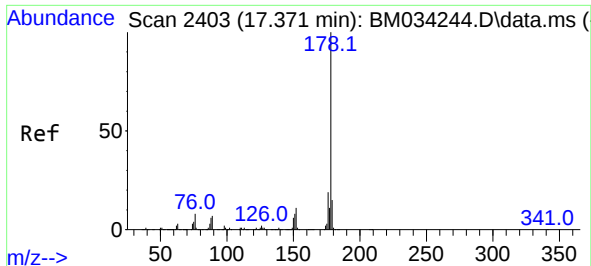


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



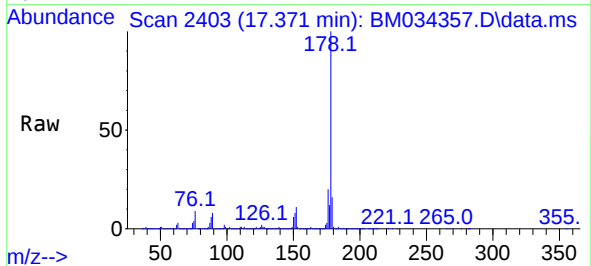
Tgt Ion:188 Resp: 774190
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 9.5 7.8 11.8





#71
Phenanthrene
Concen: 153.186 ng
RT: 17.371 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

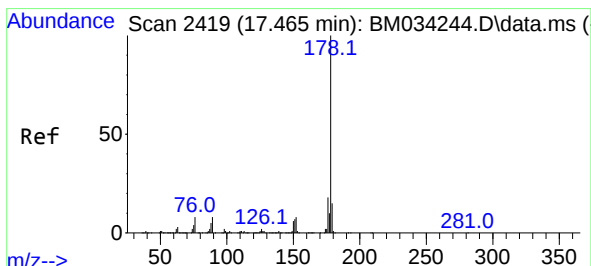
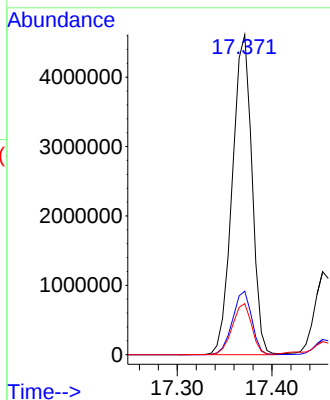
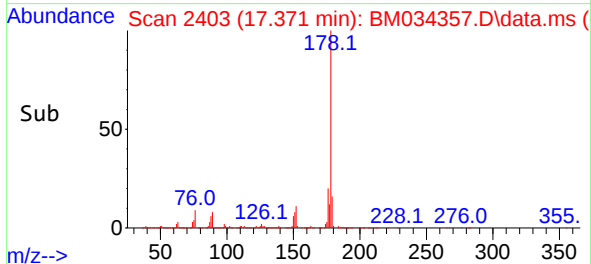
Instrument :
BNA_M
ClientSampleId :
C-12-11-12



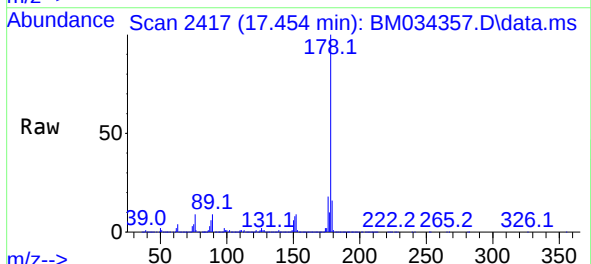
Tgt Ion:178 Resp: 6641589
Ion Ratio Lower Upper
178 100
176 19.9 15.1 22.7
179 15.9 12.2 18.4

Manual Integrations
APPROVED

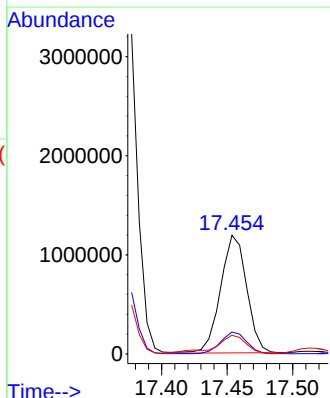
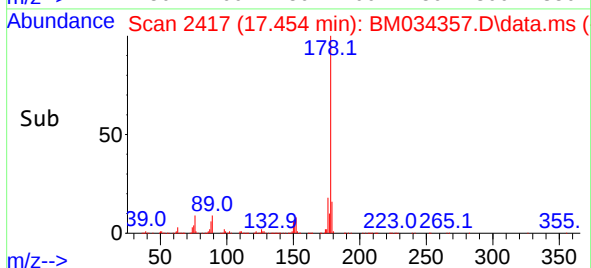
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

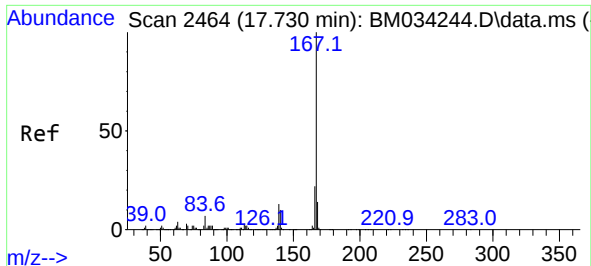


#72
Anthracene
Concen: 39.054 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



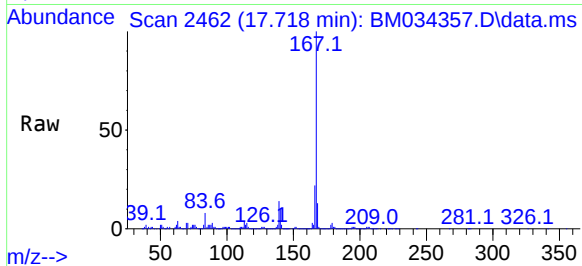
Tgt Ion:178 Resp: 1648073
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.8 12.2 18.2





#73
 Carbazole
 Concen: 11.533 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10

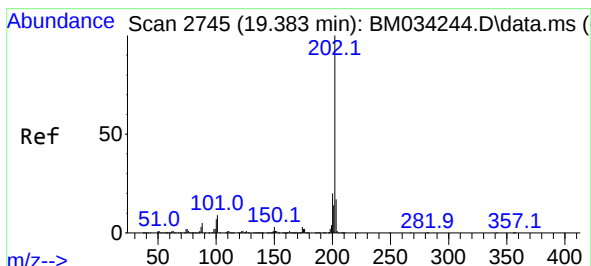
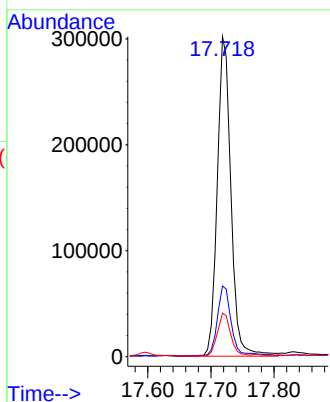
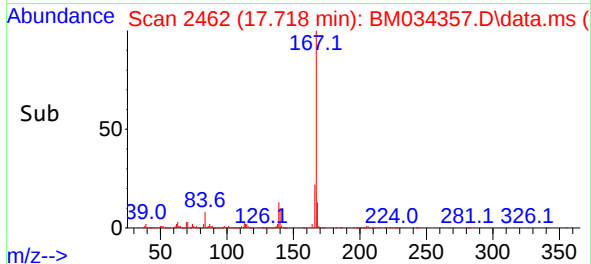
Instrument :
 BNA_M
 ClientSampleId :
 C-12-11-12



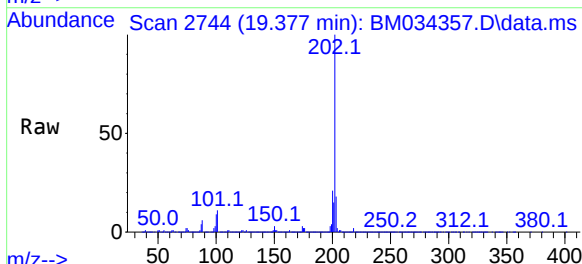
Tgt Ion:167 Resp: 45388
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 13.6 10.4 15.6

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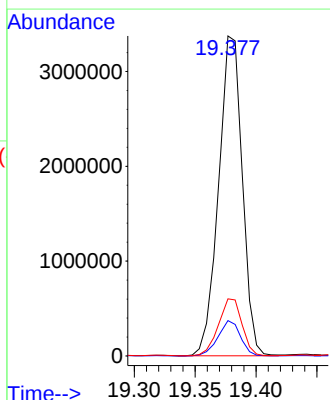
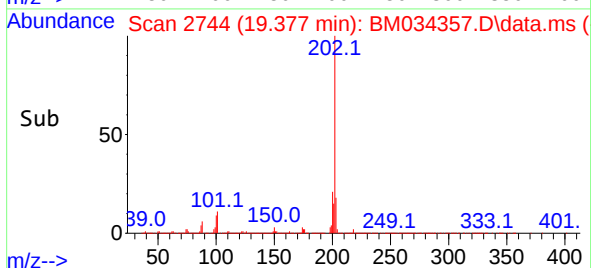
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

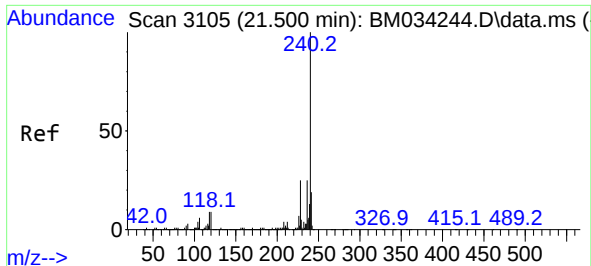


#75
 Fluoranthene
 Concen: 94.067 ng
 RT: 19.377 min Scan# 2744
 Delta R.T. -0.000 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10



Tgt Ion:202 Resp: 4571996
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.4
 203 17.9 0.0 37.1





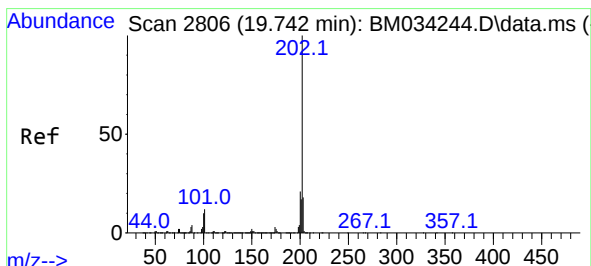
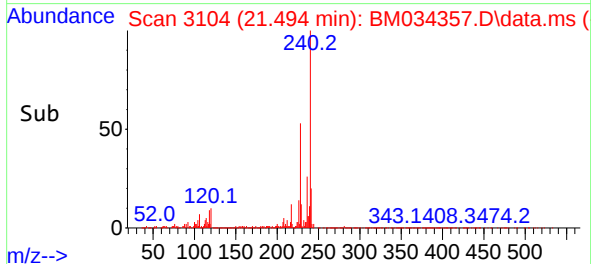
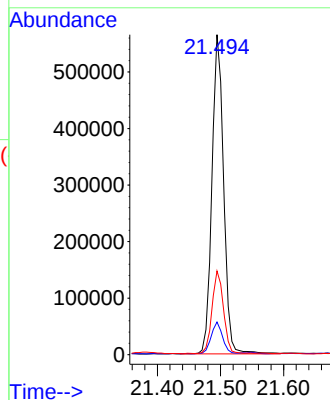
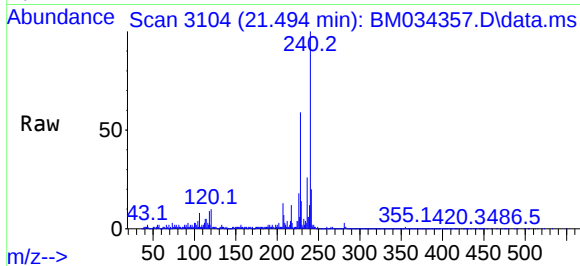
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Instrument :
BNA_M
ClientSampleId :
C-12-11-12

Tgt Ion:240 Resp: 727000
Ion Ratio Lower Upper
240 100
120 10.2 7.3 10.9
236 26.2 20.2 30.2

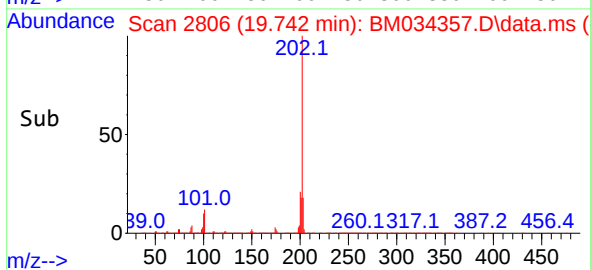
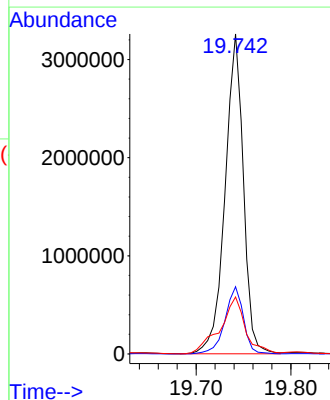
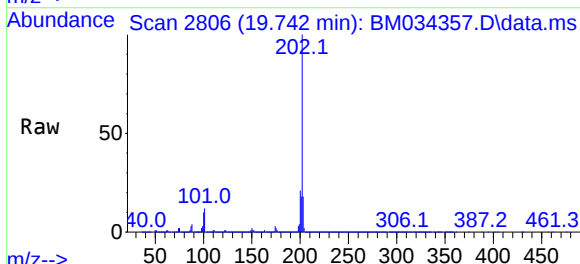
Manual Integrations
APPROVED

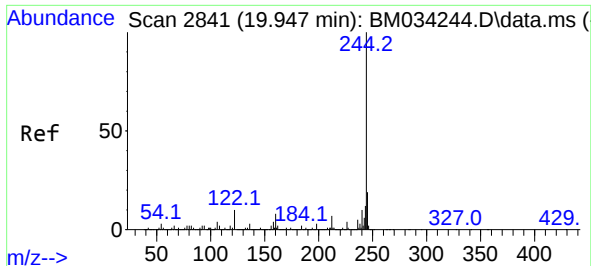
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#78
Pyrene
Concen: 85.212 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

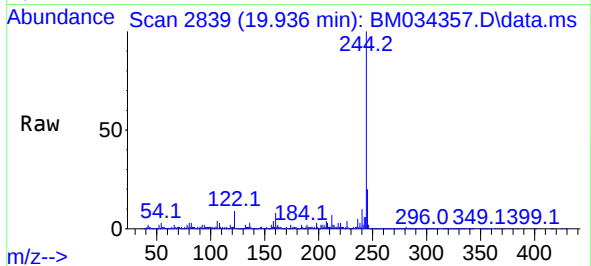
Tgt Ion:202 Resp: 4364704
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 17.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 12.734 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10

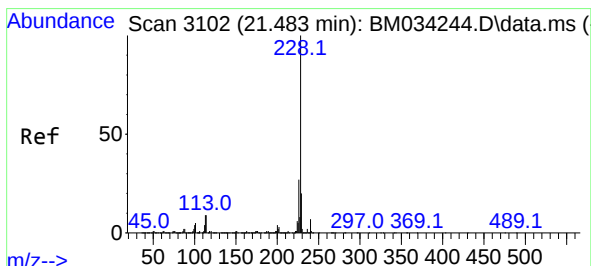
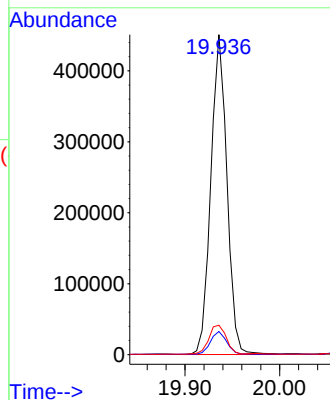
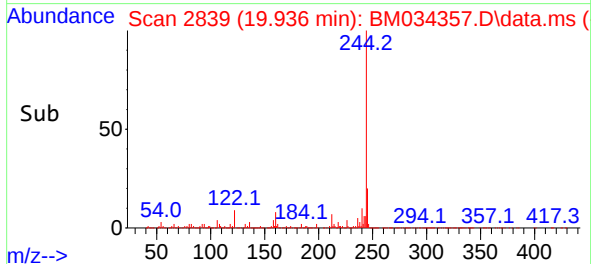
Instrument :
 BNA_M
 ClientSampleId :
 C-12-11-12



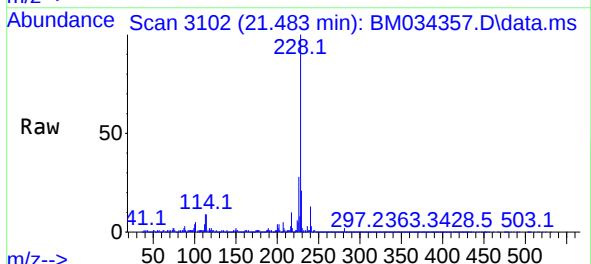
Tgt Ion:244 Resp: 532785
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.2 7.8 11.8

Manual Integrations
 APPROVED

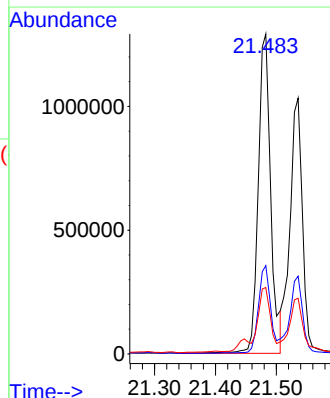
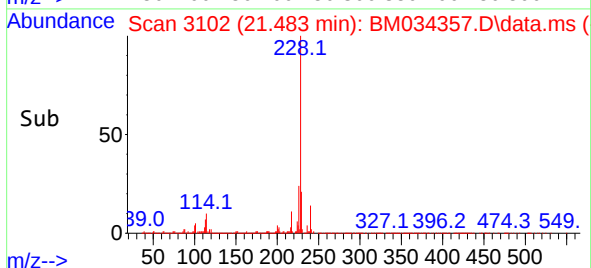
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

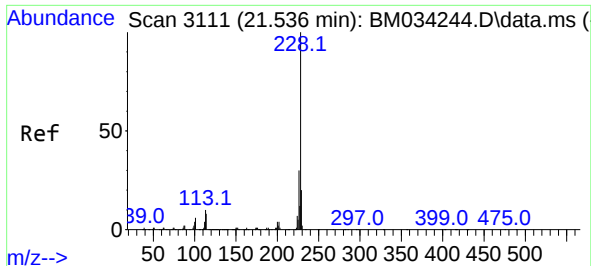


#81
 Benzo(a)anthracene
 Concen: 39.924 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. 0.006 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10



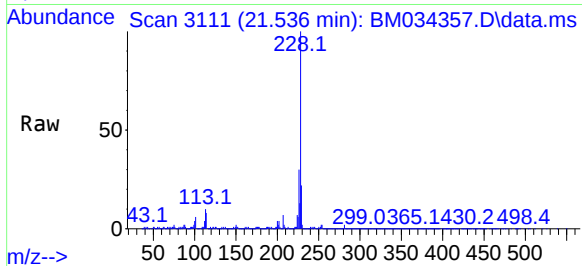
Tgt Ion:228 Resp: 1831941
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.6 32.4
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 31.656 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

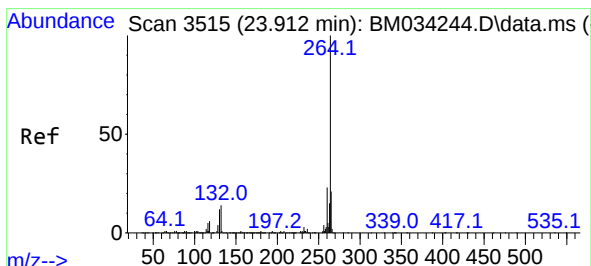
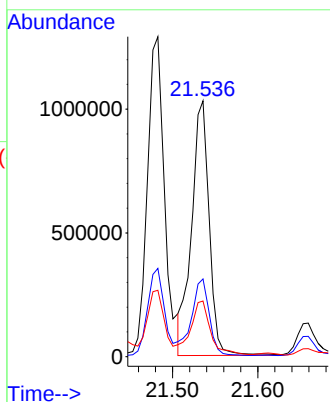
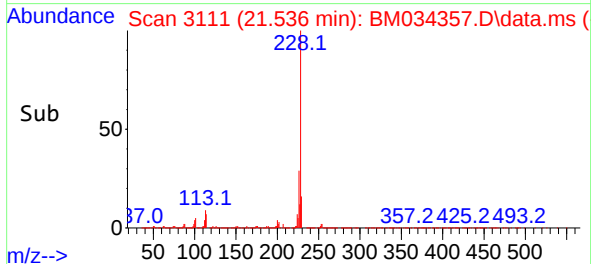
Instrument :
BNA_M
ClientSampleId :
C-12-11-12



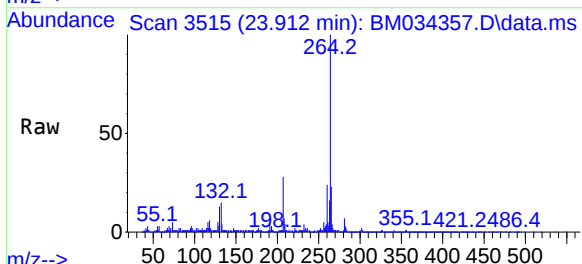
Tgt Ion:228 Resp: 1483324
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 21.8 15.6 23.4

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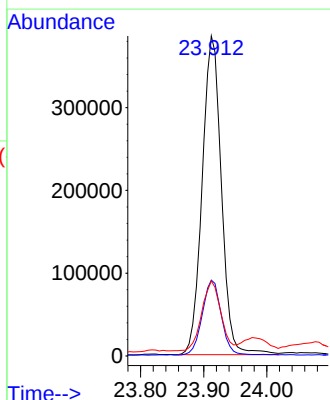
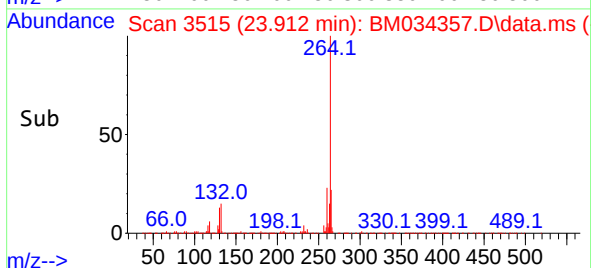
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

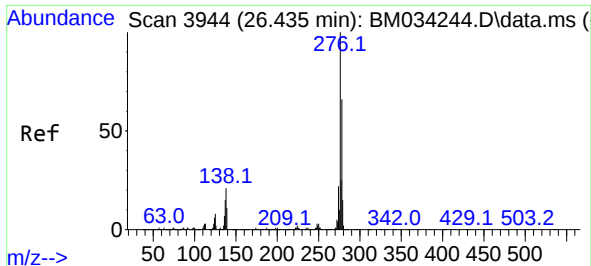


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10



Tgt Ion:264 Resp: 814931
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 23.5 17.6 26.4





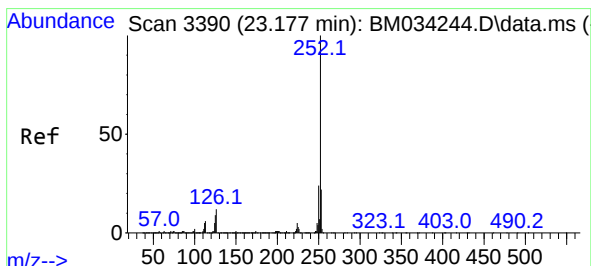
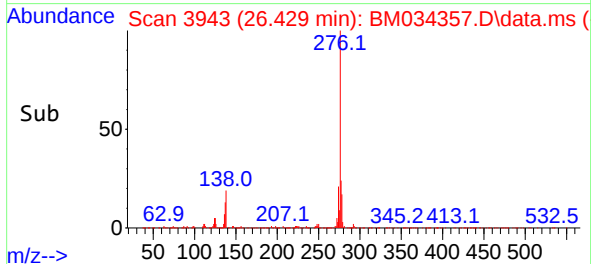
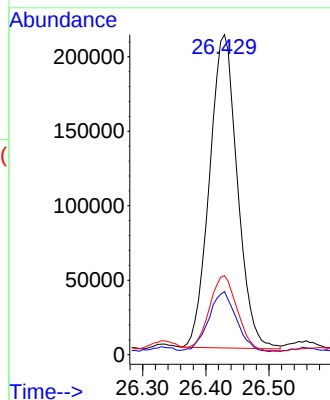
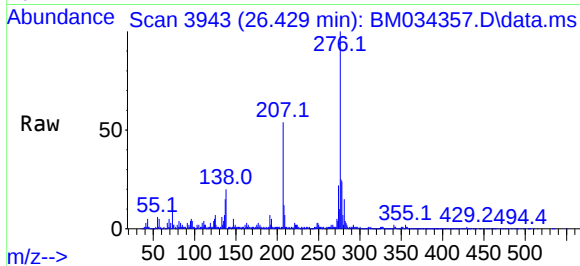
#87
Indeno(1,2,3-cd)pyrene
Concen: 12.313 ng
RT: 26.429 min Scan# 3943
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Instrument :
BNA_M
ClientSampleId :
C-12-11-12

Tgt Ion:276 Resp: 64546
Ion Ratio Lower Upper
276 100
138 19.2 16.6 25.0
277 24.5 19.8 29.6

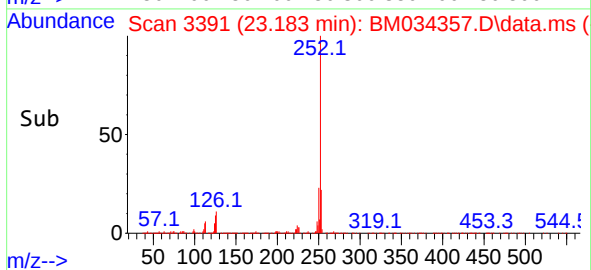
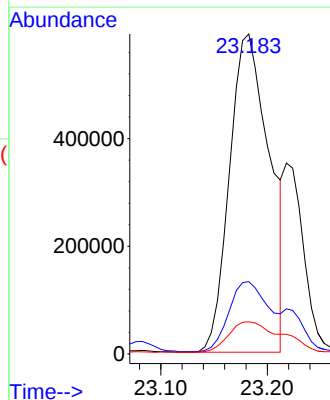
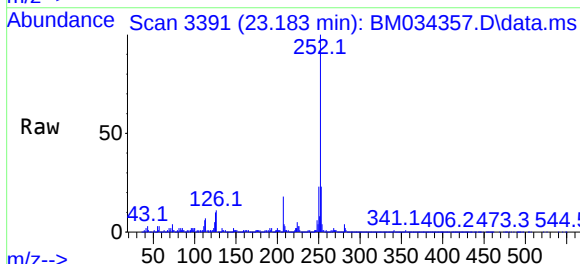
Manual Integrations
APPROVED

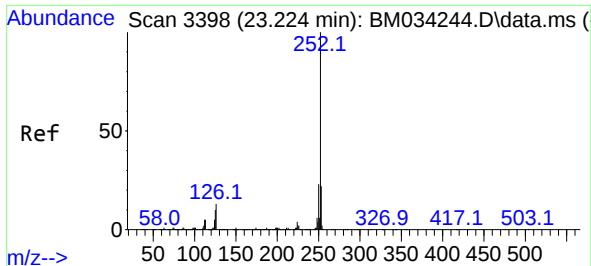
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#88
Benzo(b)fluoranthene
Concen: 31.698 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

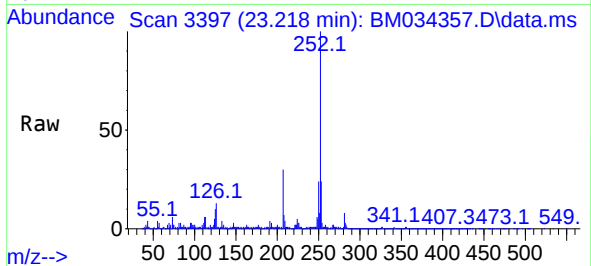
Tgt Ion:252 Resp: 1544673
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.1 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 8.646 ng m
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

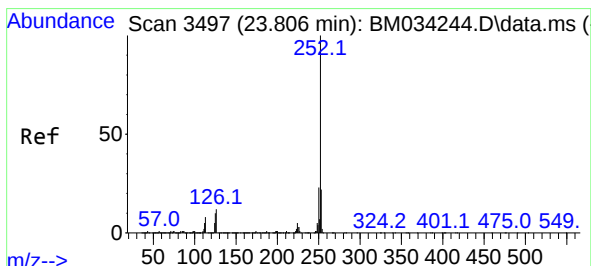
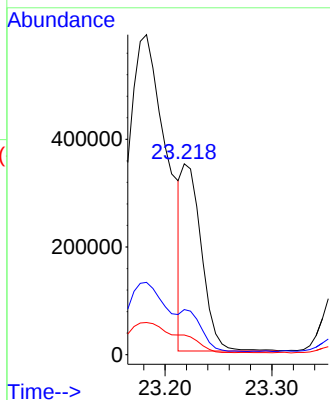
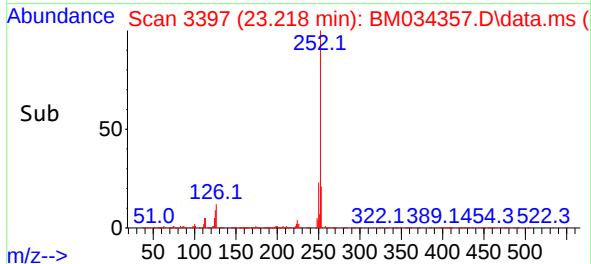
Instrument :
BNA_M
ClientSampleId :
C-12-11-12



Tgt Ion:252 Resp: 44631
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 10.3 7.5 11.3

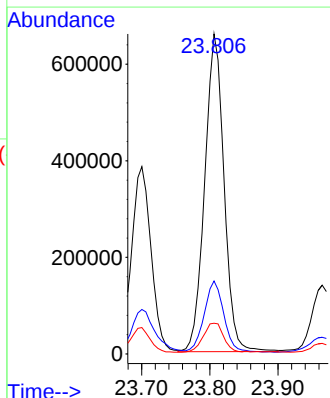
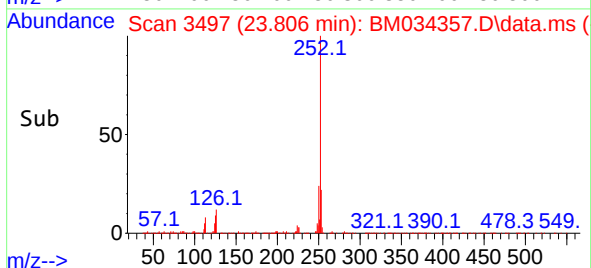
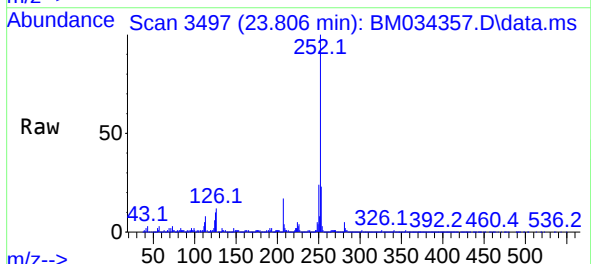
Manual Integrations
APPROVED

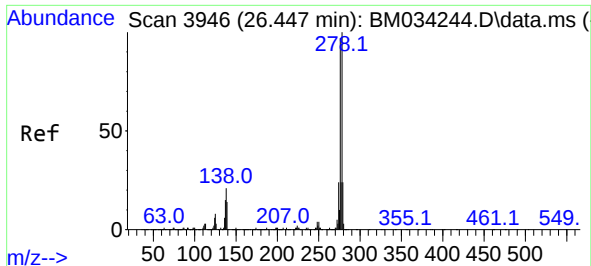
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 31.471 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:252 Resp: 1300120
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.6 7.8 11.6





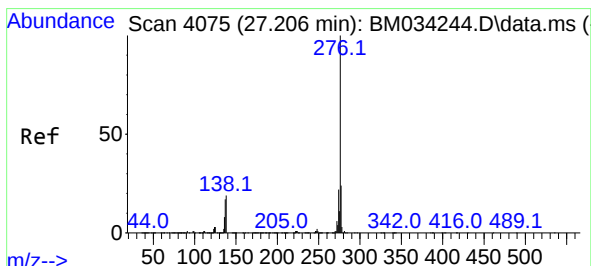
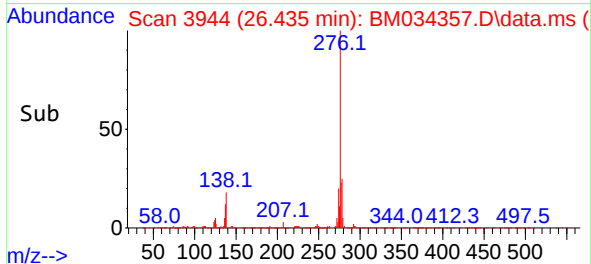
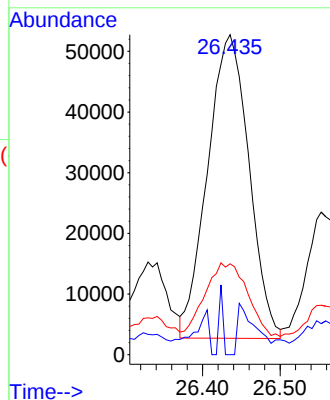
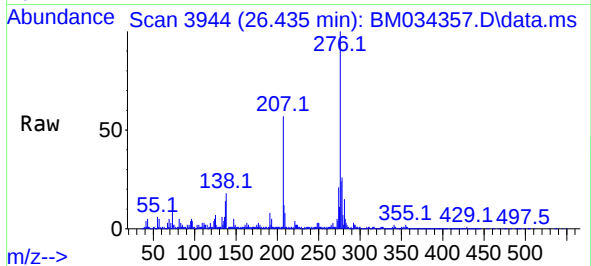
#91
Dibenzo(a,h)anthracene
Concen: 4.372 ng
RT: 26.435 min Scan# 3944
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Instrument :
BNA_M
ClientSampleId :
C-12-11-12

Tgt Ion:278 Resp: 185860
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8
279 28.4 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 15.207 ng
RT: 27.206 min Scan# 4075
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:276 Resp: 669067
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.4
138 20.1 15.6 23.4

