

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034328.D
 Acq On : 23 Mar 2022 02:05
 Operator : CG/JU
 Sample : N1962-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-20-19-21

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 05:09:22 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	157940	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	614882	20.000	ng	-0.02
39) Acenaphthene-d10	14.577	164	357166	20.000	ng	-0.01
64) Phenanthrene-d10	17.318	188	694503	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	702219	20.000	ng	-0.01
86) Perylene-d12	23.900	264	775643	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	213955	24.302	ng	-0.01
7) Phenol-d6	7.096	99	270487	21.458	ng	-0.01
23) Nitrobenzene-d5	9.095	82	172768	13.680	ng	-0.02
42) 2,4,6-Tribromophenol	16.060	330	95324	19.801	ng	-0.01
45) 2-Fluorobiphenyl	13.207	172	360676	13.799	ng	-0.01
79) Terphenyl-d14	19.930	244	474906	11.751	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.801	128	218733	6.828	ng	99
37) 2-Methylnaphthalene	12.413	142	81846	3.581	ng	98
38) 1-Methylnaphthalene	12.631	142	79000	3.533	ng	98
52) Acenaphthene	14.642	154	113498	5.172	ng	96
55) Dibenzofuran	14.977	168	135732	4.150	ng	96
58) Fluorene	15.624	166	218332	8.223	ng	99
71) Phenanthrene	17.360	178	1807109	46.463	ng	100
72) Anthracene	17.448	178	404230	10.678	ng	99
73) Carbazole	17.718	167	126376	3.579	ng	98
75) Fluoranthene	19.371	202	1507039	34.564	ng	99
78) Pyrene	19.730	202	1375626	27.804	ng	99
81) Benzo(a)anthracene	21.471	228	578809	13.059	ng	99
83) Chrysene	21.524	228	506577	11.192	ng	97
87) Indeno(1,2,3-cd)pyrene	26.406	276	242418	4.858	ng	96
88) Benzo(b)fluoranthene	23.165	252	538000m	11.599	ng	
89) Benzo(k)fluoranthene	23.206	252	198442m	4.039	ng	
90) Benzo(a)pyrene	23.789	252	455908	11.595	ng	98
92) Benzo(g,h,i)perylene	27.177	276	257827	6.157	ng	98

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

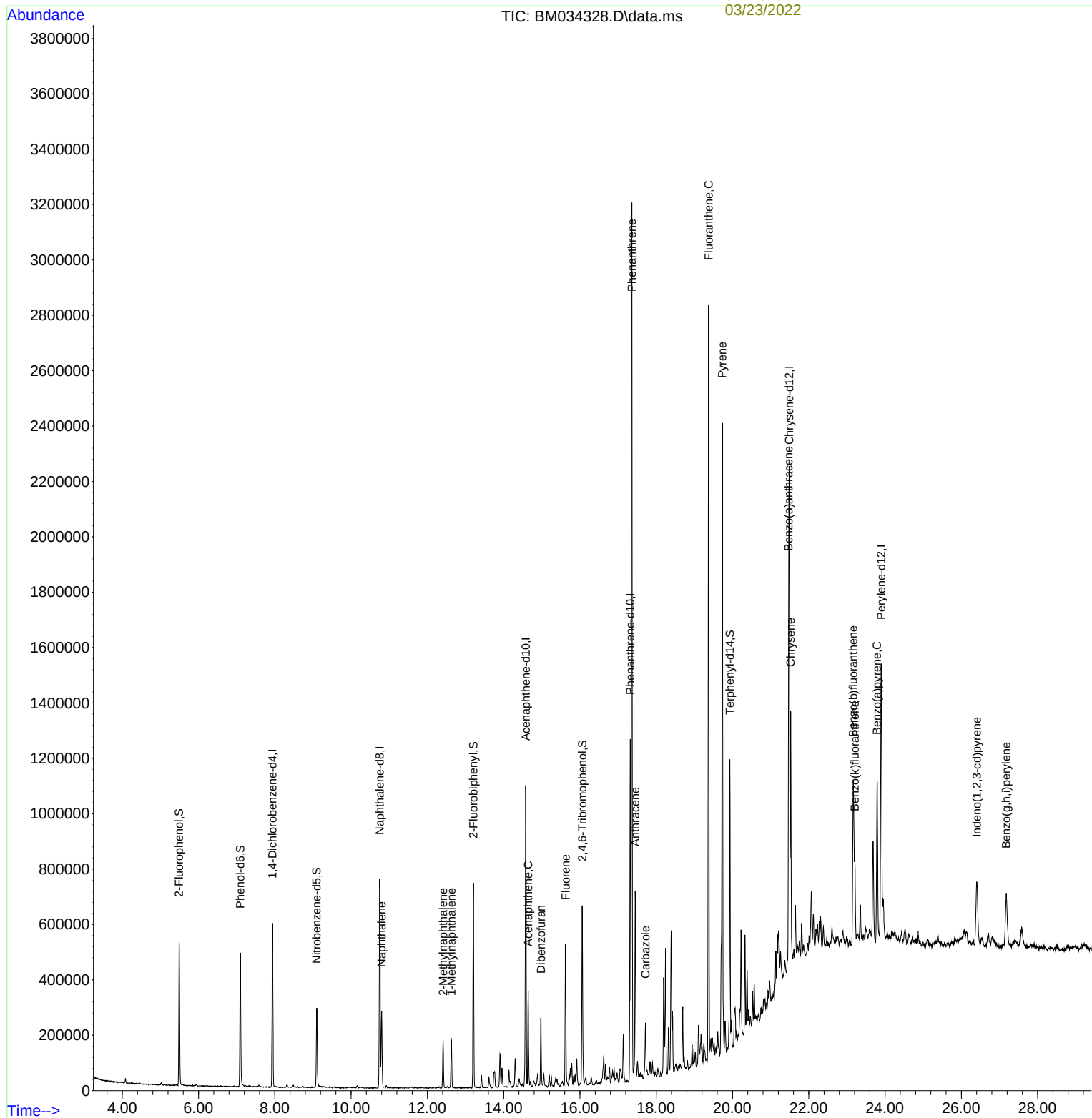
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
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ALS Vial : 18 Sample Multiplier: 1

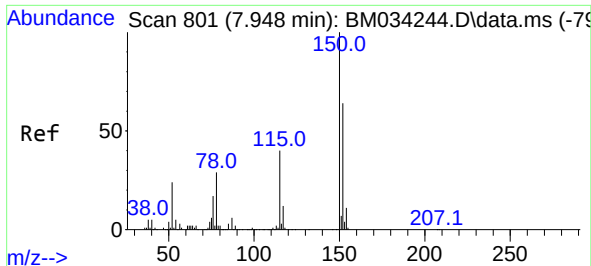
Instrument :
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Quant Time: Mar 23 05:09:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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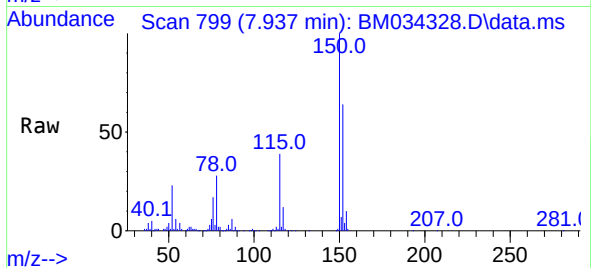
Reviewed By :Christian
Giraldo
03/23/2022
Supervised By :Jagrut
Upadhyay
03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.011 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

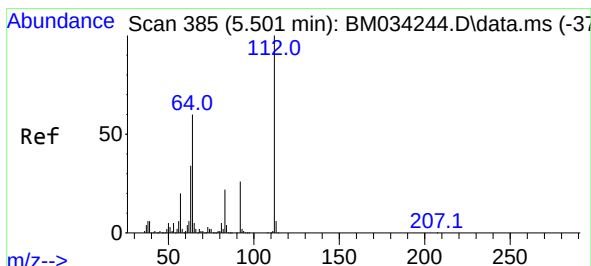
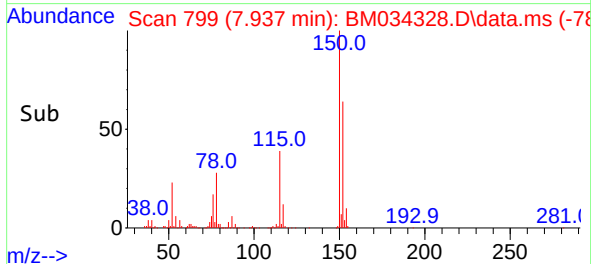
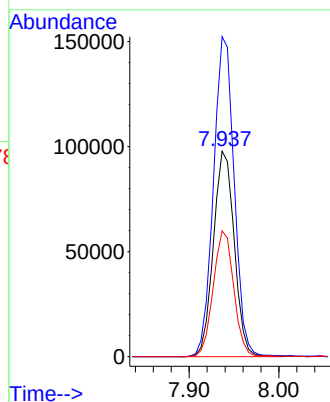


Tgt Ion:152 Resp: 157940
Ion Ratio Lower Upper
152 100
150 155.7 125.4 188.2
115 61.2 50.1 75.1

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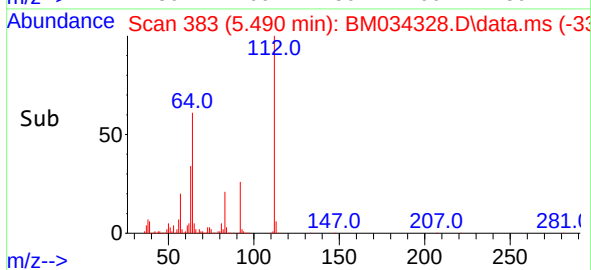
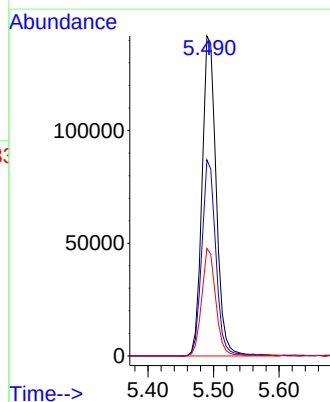
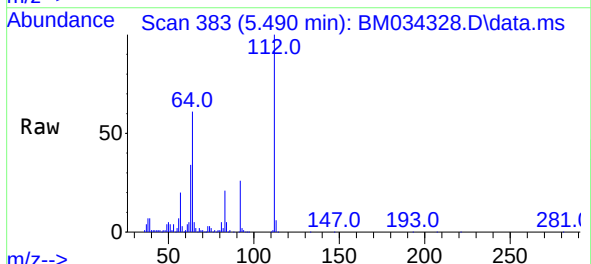
Reviewed By :Christian
Giraldo
03/23/2022

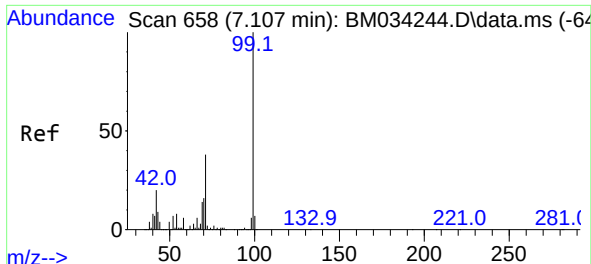
Supervised By :Jagrut
Upadhyay
03/23/2022



#5
2-Fluorophenol
Concen: 24.302 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

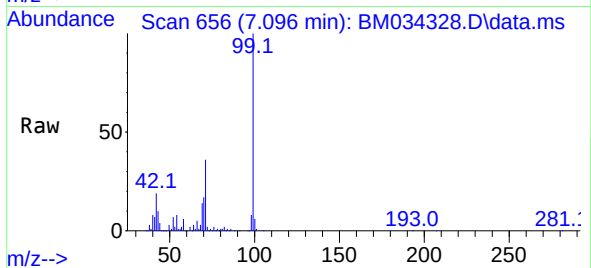
Tgt Ion:112 Resp: 213955
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 33.6 27.1 40.7





#7
Phenol-d6
Concen: 21.458 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

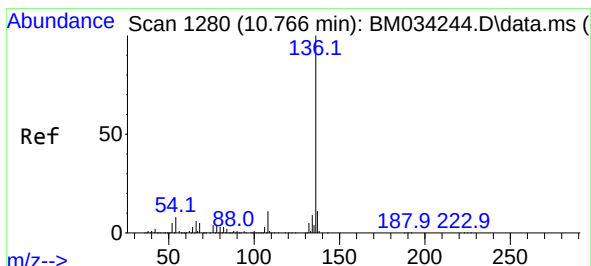
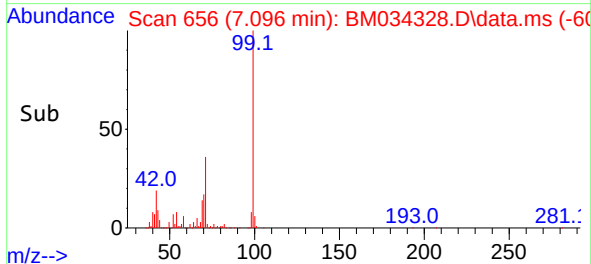
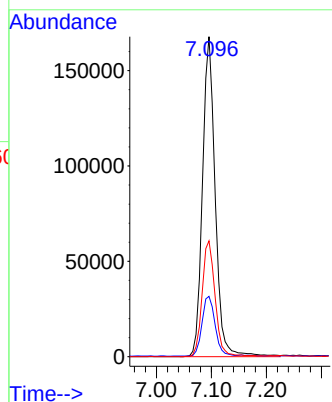


Tgt Ion: 99 Resp: 27048
Ion Ratio Lower Upper
99 100
42 18.9 15.6 23.4
71 36.2 30.6 46.0

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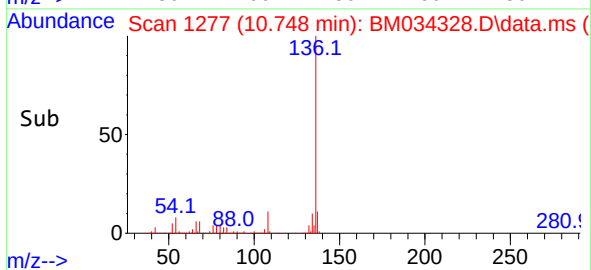
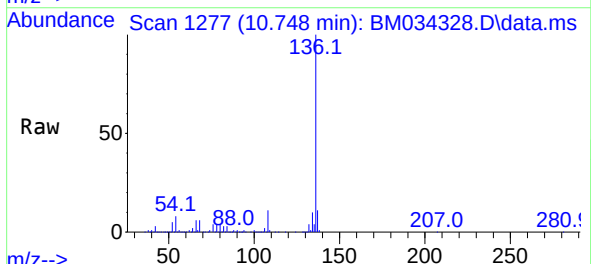
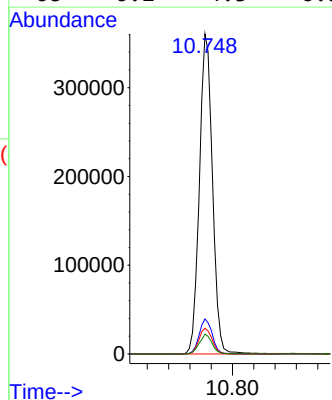
Reviewed By :Christian
Giraldo
03/23/2022

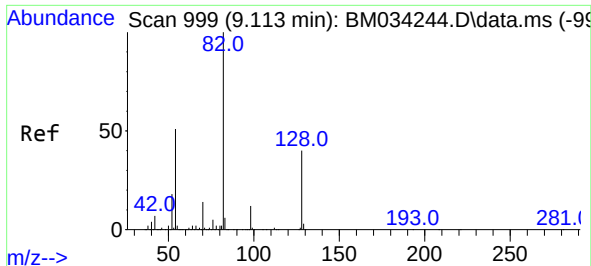
Supervised By :Jagrut
Upadhyay
03/23/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Tgt Ion:136 Resp: 614882
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 6.2 9.4
68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 13.680 ng

RT: 9.095 min Scan# 996

Delta R.T. -0.017 min

Lab File: BM034328.D

Acq: 23 Mar 2022 02:05

Instrument :

BNA_M

ClientSampleId :

C-20-19-21

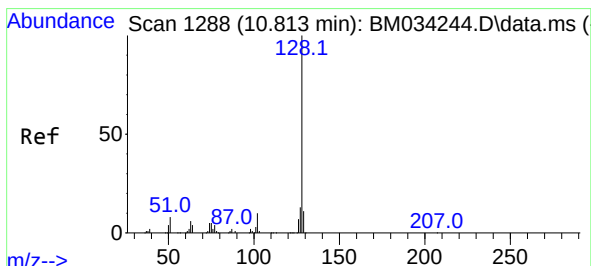
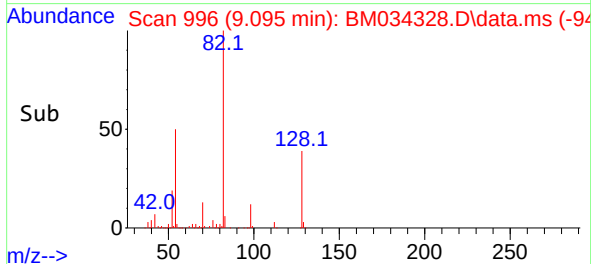
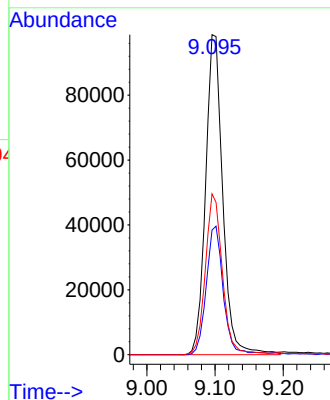
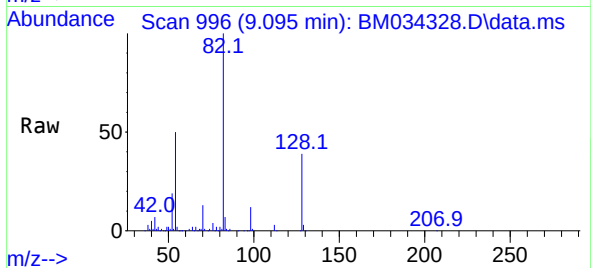
Tgt Ion: 82 Resp: 172768

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.9	47.9
54	50.2	40.6	61.0

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#31

Naphthalene

Concen: 6.828 ng

RT: 10.801 min Scan# 1286

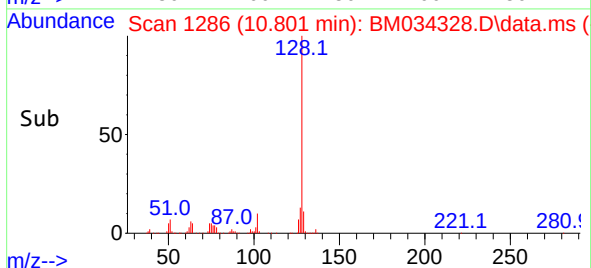
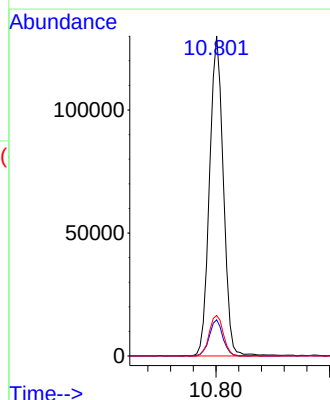
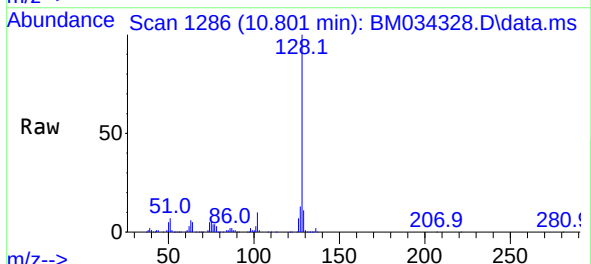
Delta R.T. -0.012 min

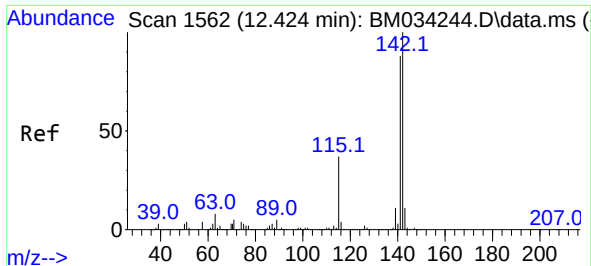
Lab File: BM034328.D

Acq: 23 Mar 2022 02:05

Tgt Ion:128 Resp: 218733

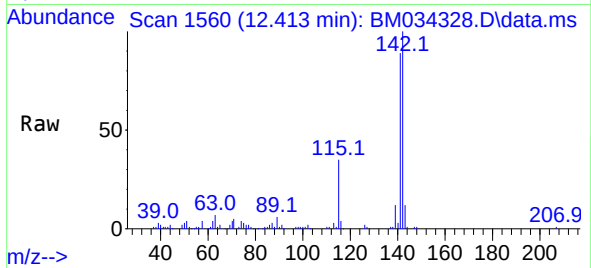
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.6	10.2	15.4





#37
2-Methylnaphthalene
Concen: 3.581 ng
RT: 12.413 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

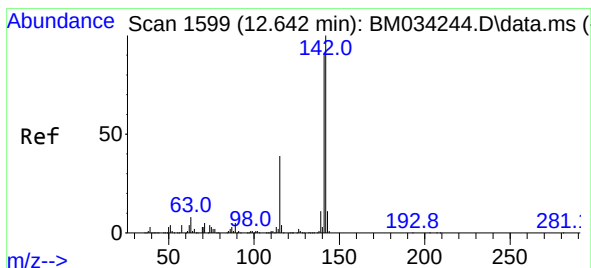
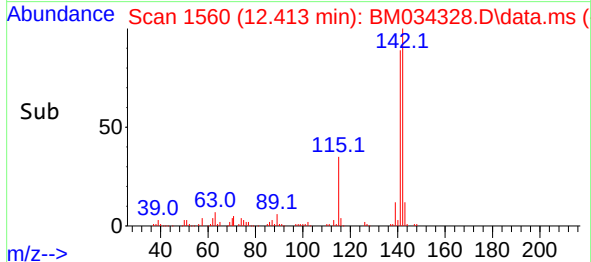
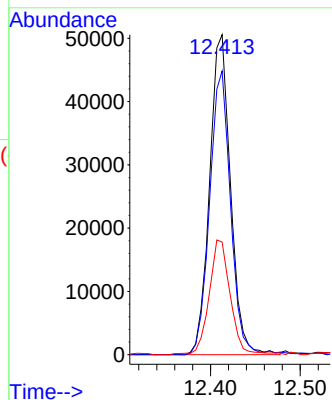


Tgt Ion:142 Resp: 81840
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1
115 35.2 29.9 44.9

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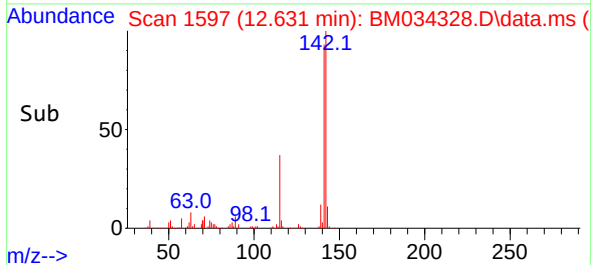
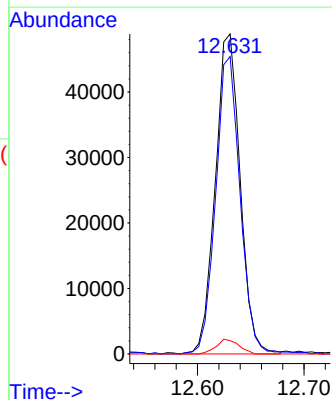
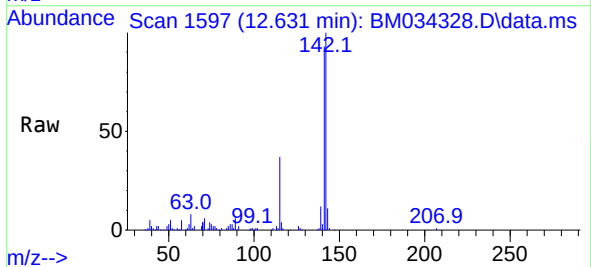
Reviewed By :Christian
Giraldo
03/23/2022

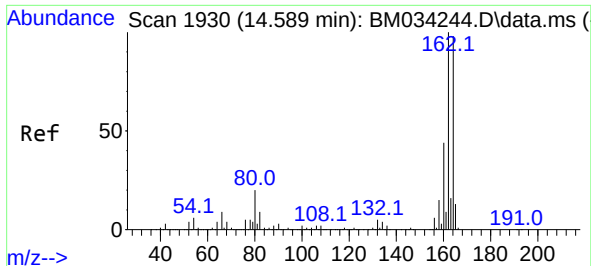
Supervised By :Jagrut
Upadhyay
03/23/2022



#38
1-Methylnaphthalene
Concen: 3.533 ng
RT: 12.631 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Tgt Ion:142 Resp: 79000
Ion Ratio Lower Upper
142 100
141 93.0 73.0 109.6
116 4.1 3.2 4.8





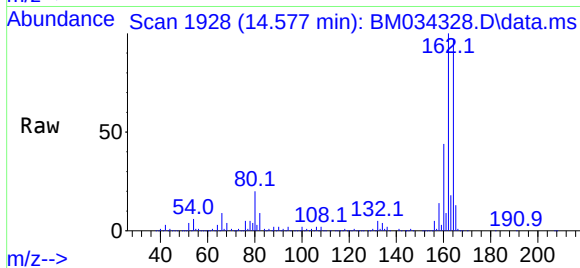
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :

BNA_M

ClientSampleId :

C-20-19-21



Tgt Ion:164 Resp: 357160
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 45.7 35.6 53.4

Manual Integrations
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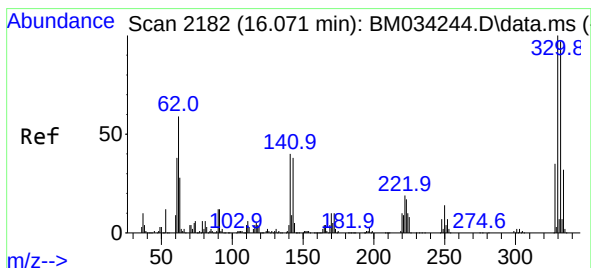
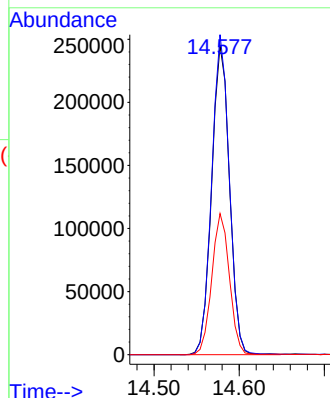
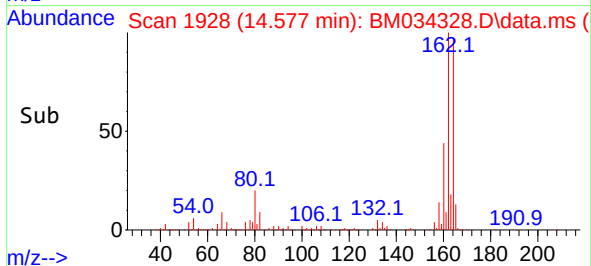
Reviewed By :Christian
Giraldo

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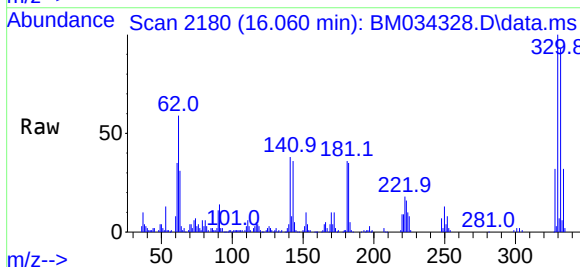
Supervised By :Jagrut

Upadhyay

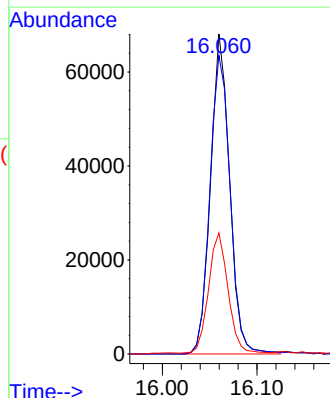
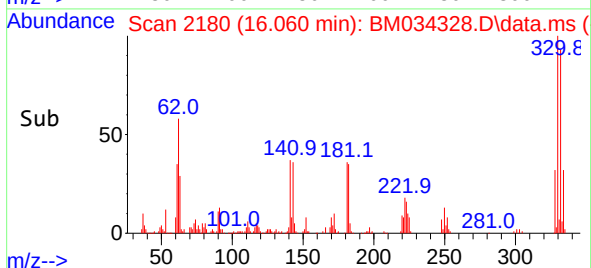
03/23/2022

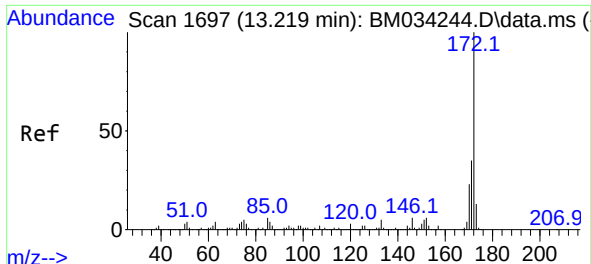


#42
2,4,6-Tribromophenol
Concen: 19.801 ng
RT: 16.060 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05



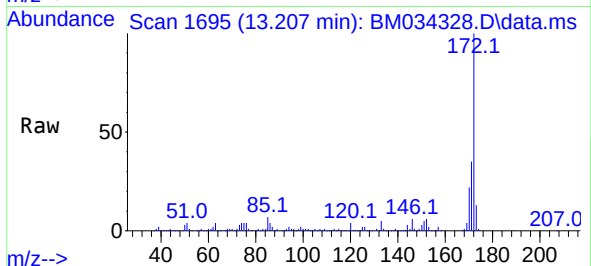
Tgt Ion:330 Resp: 95324
Ion Ratio Lower Upper
330 100
332 99.1 78.2 117.4
141 38.0 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 13.799 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
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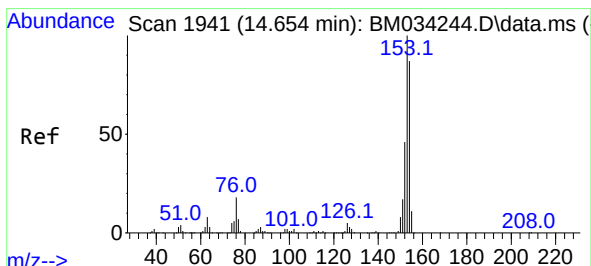
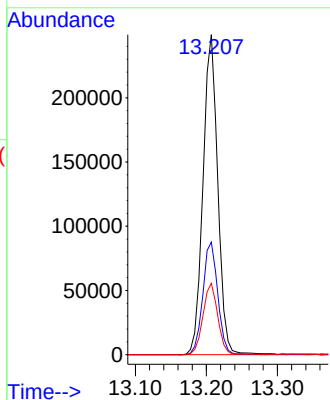
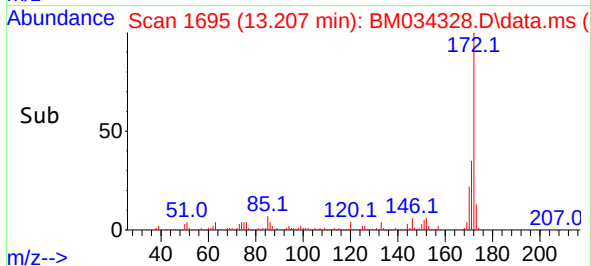


Tgt Ion:172 Resp: 360670
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 22.3 18.6 28.0

Manual Integrations
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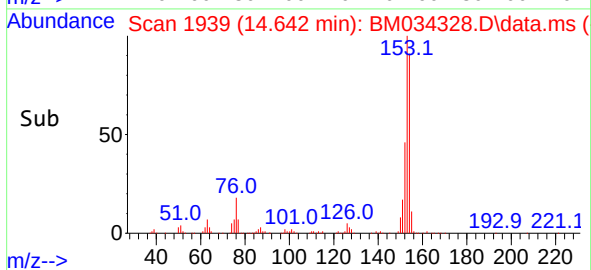
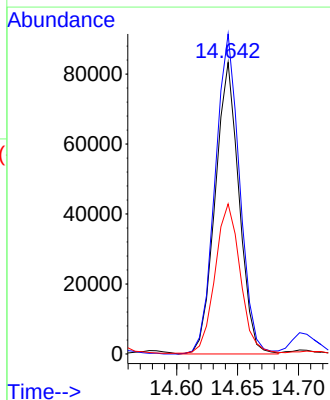
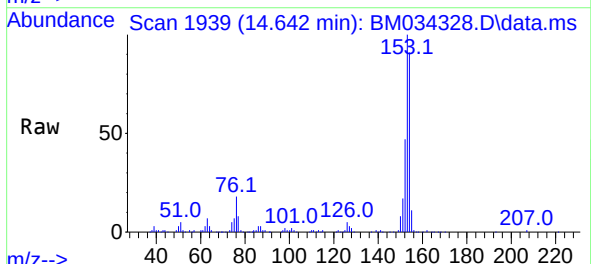
Reviewed By :Christian
Giraldo
03/23/2022

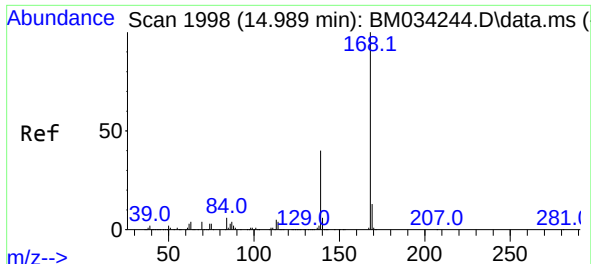
Supervised By :Jagrut
Upadhyay
03/23/2022



#52
Acenaphthene
Concen: 5.172 ng
RT: 14.642 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

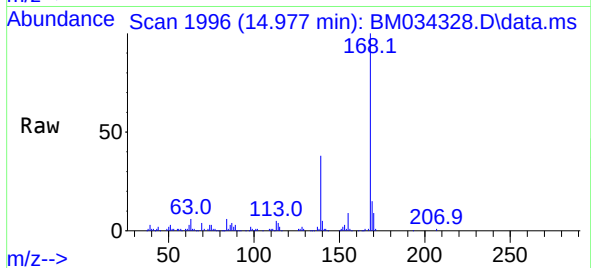
Tgt Ion:154 Resp: 113498
Ion Ratio Lower Upper
154 100
153 109.8 91.8 137.8
152 51.5 42.6 64.0





#55
Dibenzofuran
Concen: 4.150 ng
RT: 14.977 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

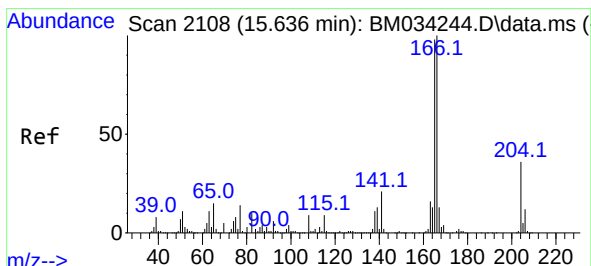
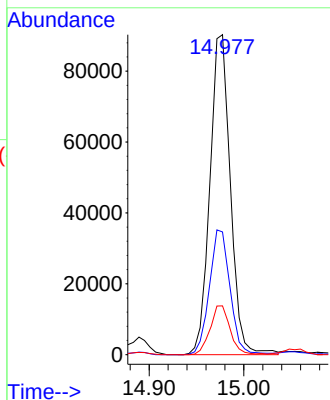
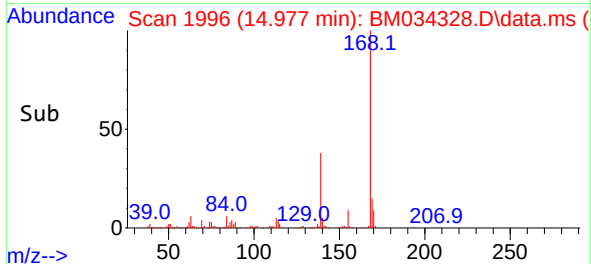


Tgt Ion:168 Resp: 135732
Ion Ratio Lower Upper
168 100
139 38.4 32.4 48.6
169 15.3 10.8 16.2

Manual Integrations
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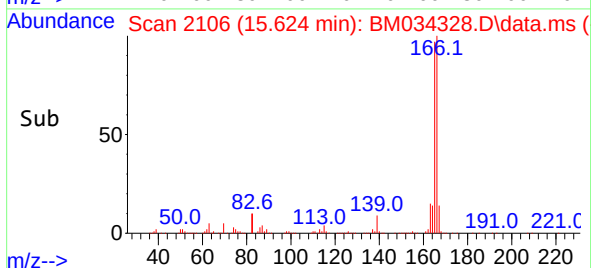
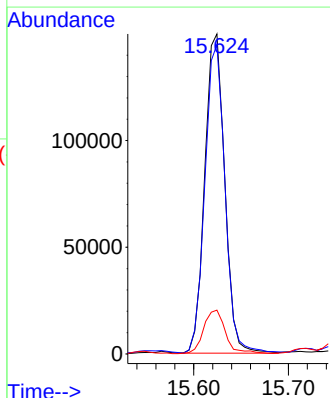
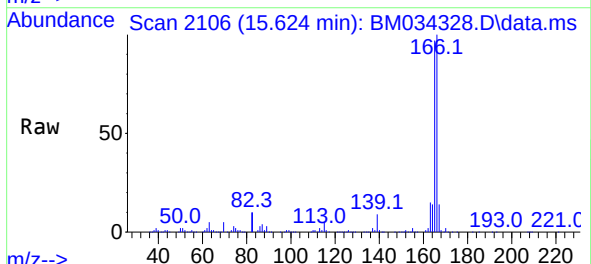
Reviewed By :Christian
Giraldo
03/23/2022

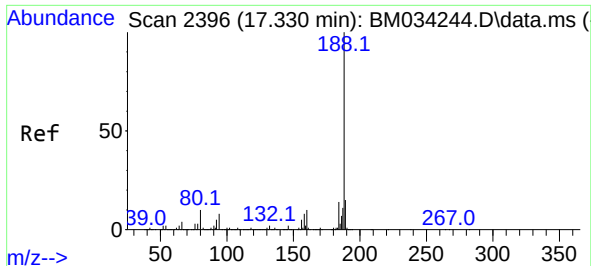
Supervised By :Jagrut
Upadhyay
03/23/2022



#58
Fluorene
Concen: 8.223 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

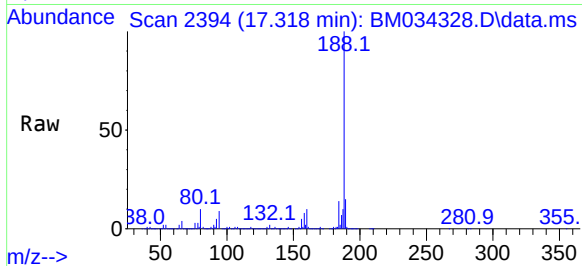
Tgt Ion:166 Resp: 218332
Ion Ratio Lower Upper
166 100
165 96.6 78.0 117.0
167 13.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

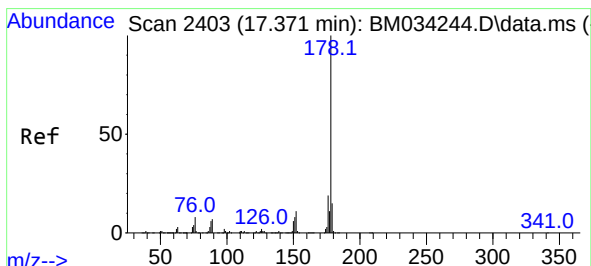
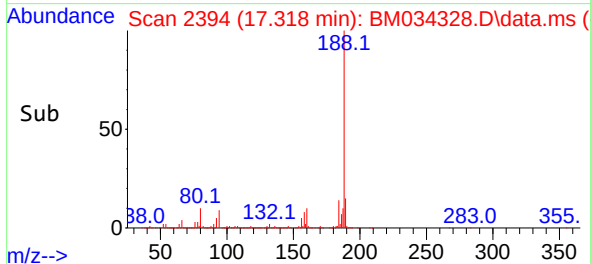
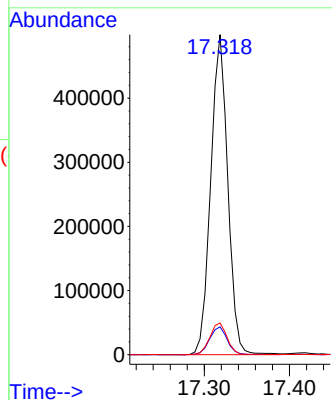


Tgt Ion:188 Resp: 69450
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 9.9 7.8 11.8

Manual Integrations
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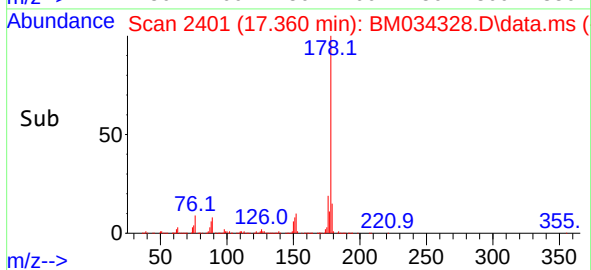
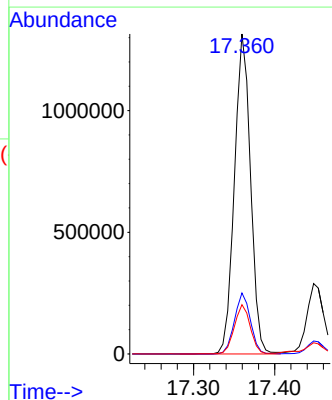
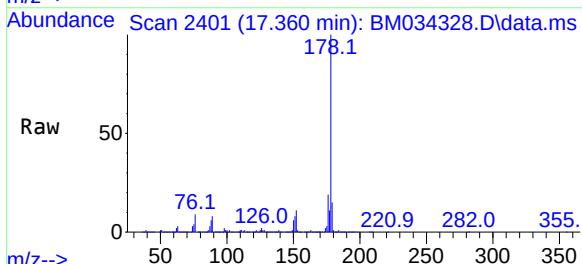
Reviewed By :Christian
Giraldo
03/23/2022

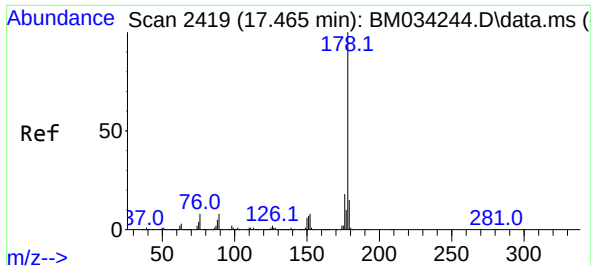
Supervised By :Jagrut
Upadhyay
03/23/2022



#71
Phenanthrene
Concen: 46.463 ng
RT: 17.360 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Tgt Ion:178 Resp: 1807109
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.4 12.2 18.4





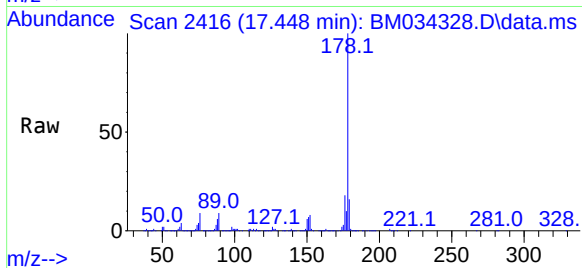
#72
 Anthracene
 Concen: 10.678 ng
 RT: 17.448 min Scan# 2416
 Delta R.T. -0.017 min
 Lab File: BM034328.D
 Acq: 23 Mar 2022 02:05

Instrument :

BNA_M

ClientSampleId :

C-20-19-21



Tgt Ion:178 Resp: 404230
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.9 12.2 18.2

Manual Integrations

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Reviewed By :Christian

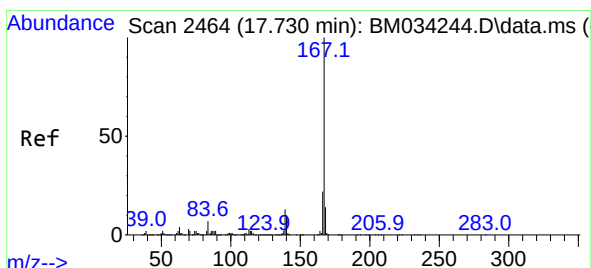
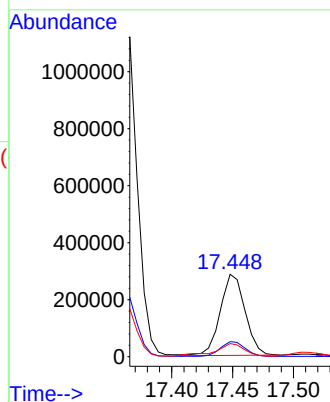
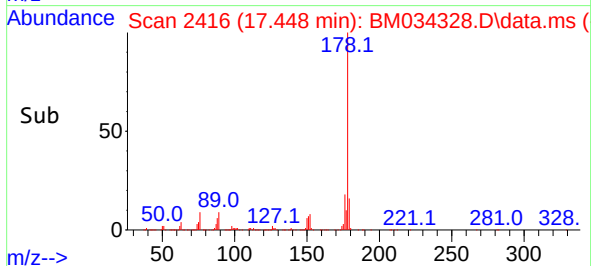
Giraldo

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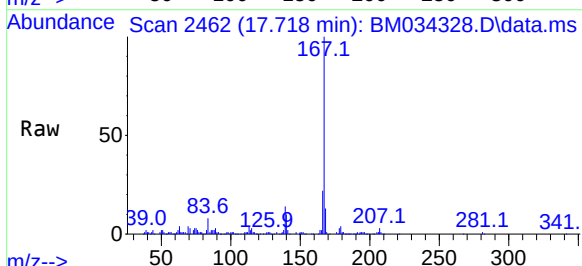
Supervised By :Jagrut

Upadhyay

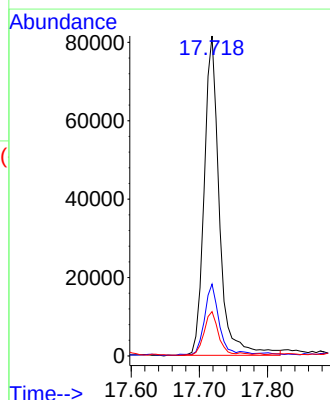
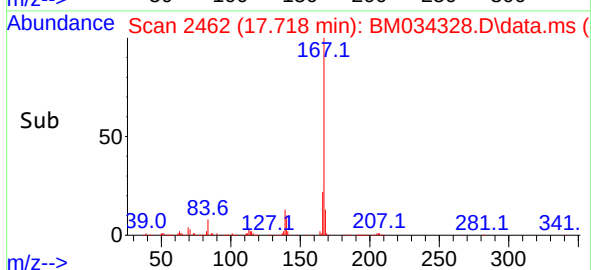
03/23/2022

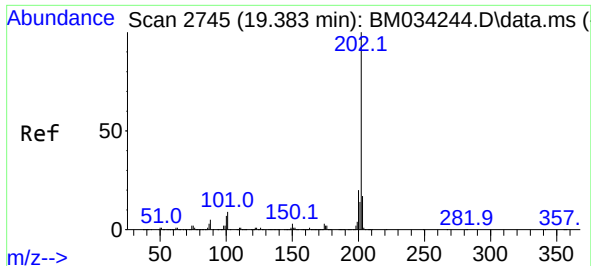


#73
 Carbazole
 Concen: 3.579 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BM034328.D
 Acq: 23 Mar 2022 02:05



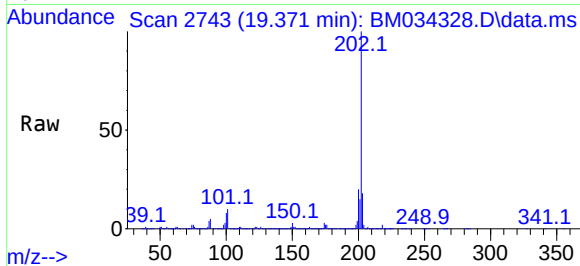
Tgt Ion:167 Resp: 126376
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.2
 139 13.8 10.4 15.6





#75
Fluoranthene
Concen: 34.564 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

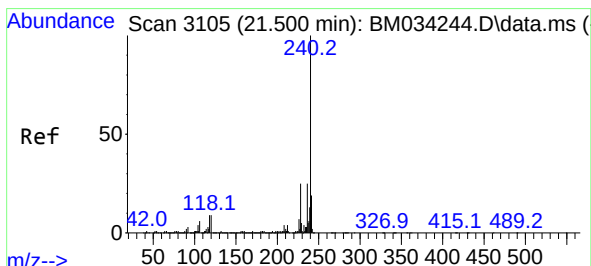
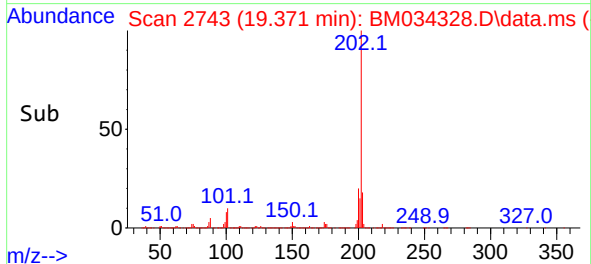
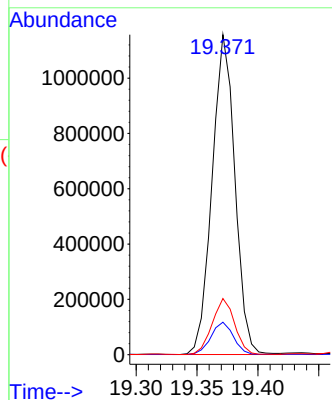


Tgt Ion:202 Resp: 1507039
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.4
203 17.6 0.0 37.1

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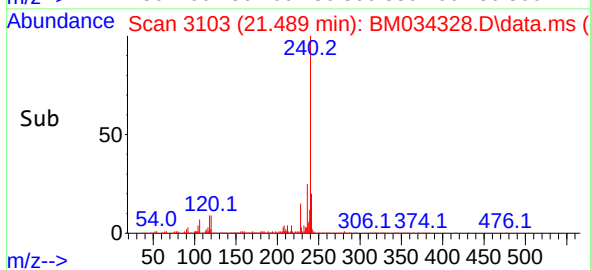
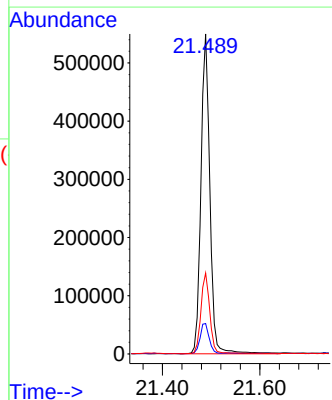
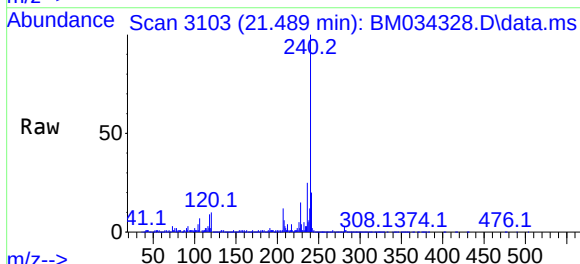
Reviewed By :Christian
Giraldo
03/23/2022

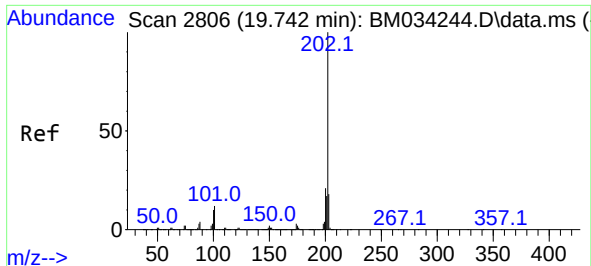
Supervised By :Jagrut
Upadhyay
03/23/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

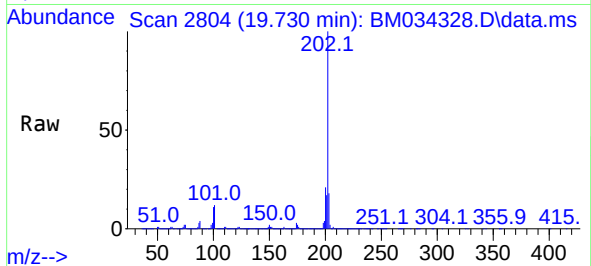
Tgt Ion:240 Resp: 702219
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 25.3 20.2 30.2





#78
Pyrene
Concen: 27.804 ng
RT: 19.730 min Scan# 2804
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

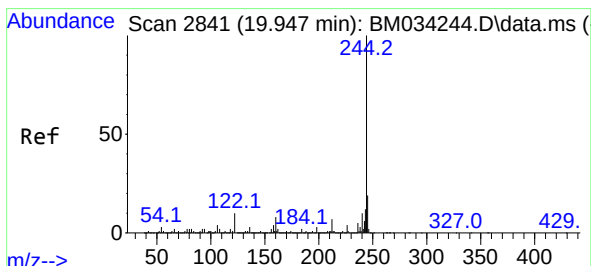
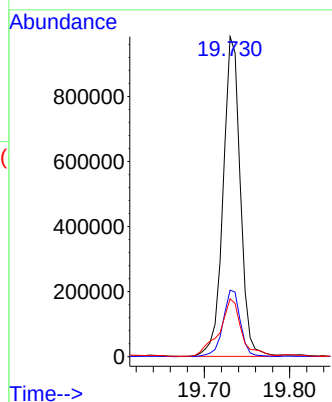
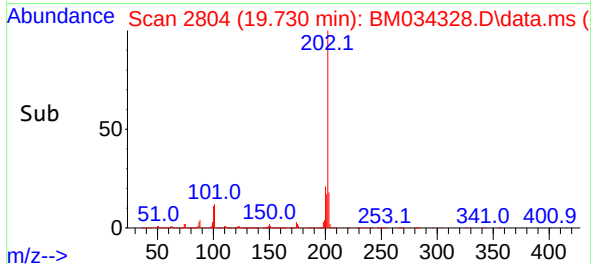


Tgt Ion:202 Resp: 1375620
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.1 14.1 21.1

Manual Integrations
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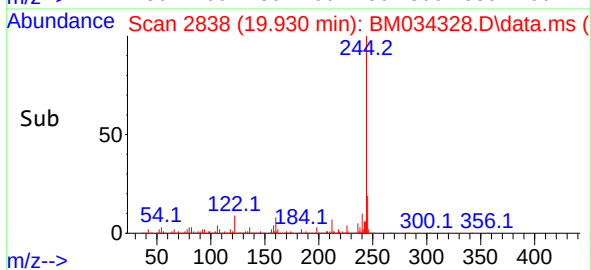
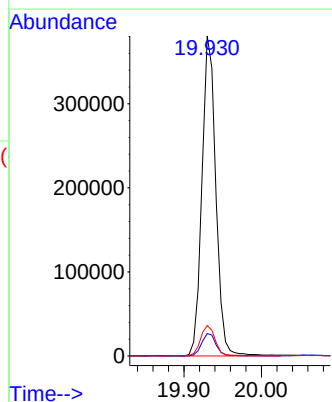
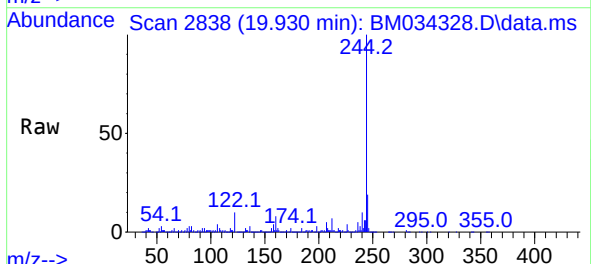
Reviewed By :Christian
Giraldo
03/23/2022

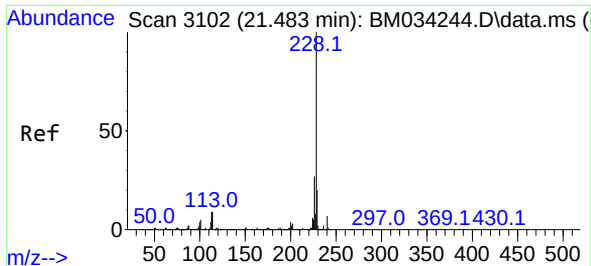
Supervised By :Jagrut
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03/23/2022



#79
Terphenyl-d14
Concen: 11.751 ng
RT: 19.930 min Scan# 2838
Delta R.T. -0.017 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

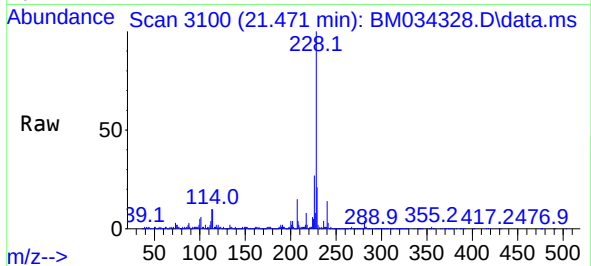
Tgt Ion:244 Resp: 474906
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 9.5 7.8 11.8





#81
Benzo(a)anthracene
Concen: 13.059 ng
RT: 21.471 min Scan# 3100
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

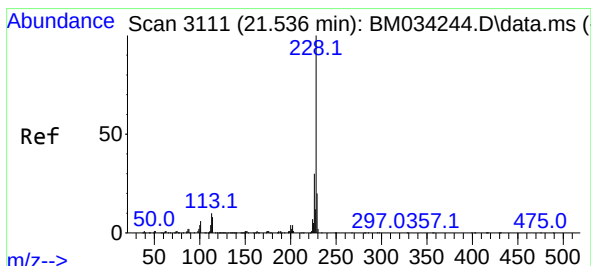
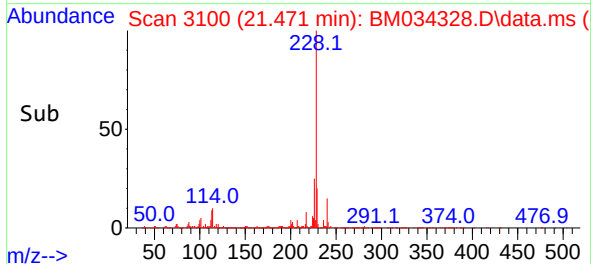
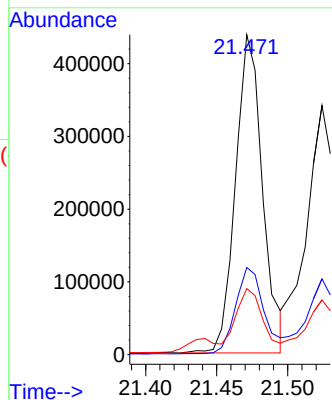


Tgt Ion:228 Resp: 578809
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 20.6 15.8 23.6

Manual Integrations
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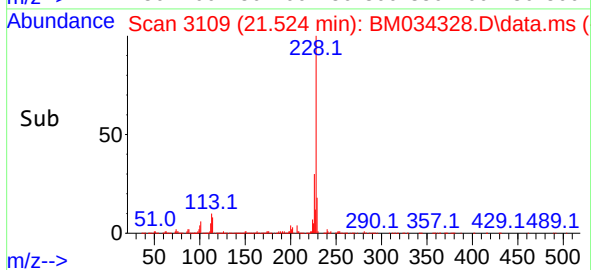
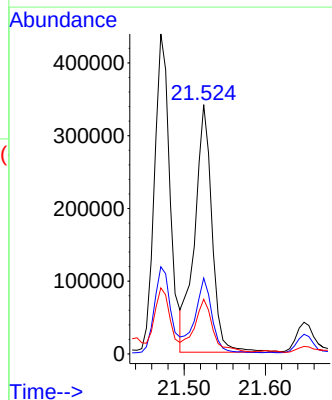
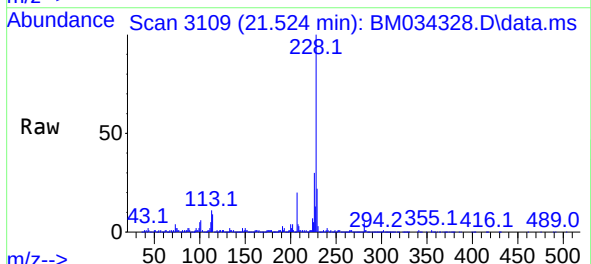
Reviewed By :Christian
Giraldo
03/23/2022

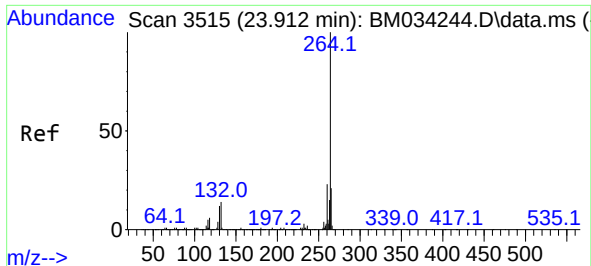
Supervised By :Jagrut
Upadhyay
03/23/2022



#83
Chrysene
Concen: 11.192 ng
RT: 21.524 min Scan# 3109
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

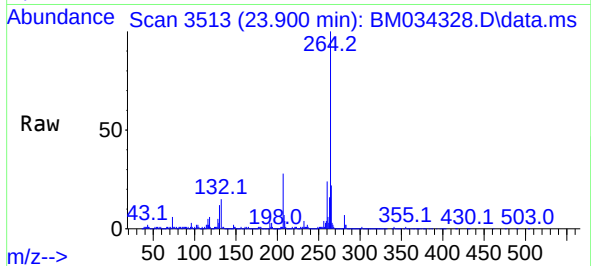
Tgt Ion:228 Resp: 506577
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 22.0 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

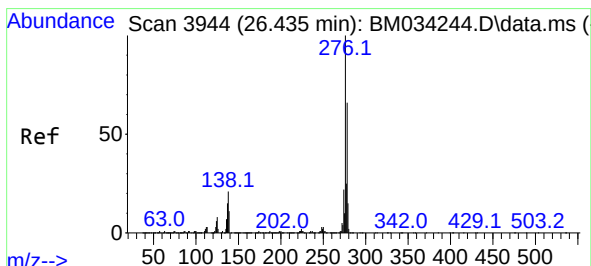
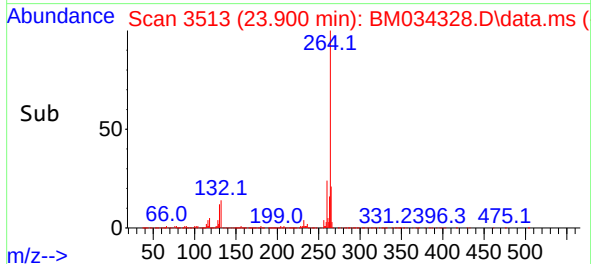
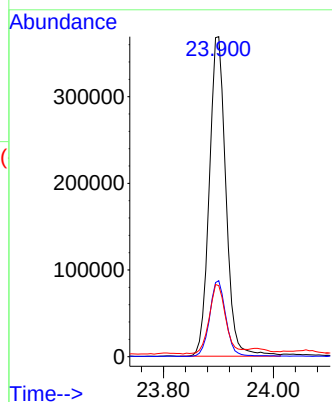


Tgt Ion:264 Resp: 77564
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.2 17.6 26.4

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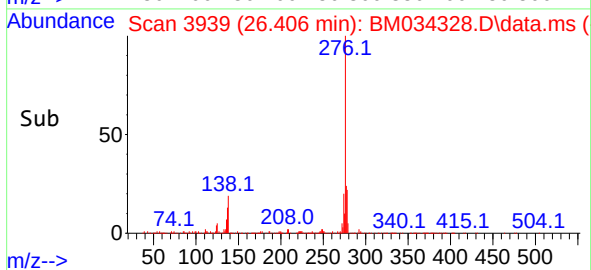
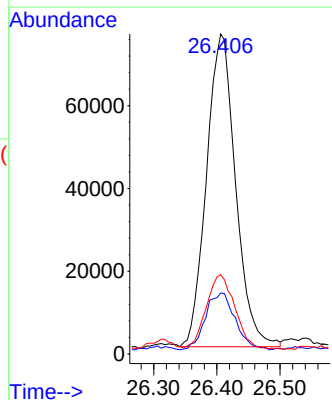
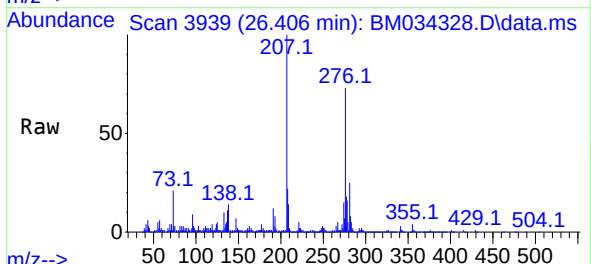
Reviewed By :Christian
Giraldo
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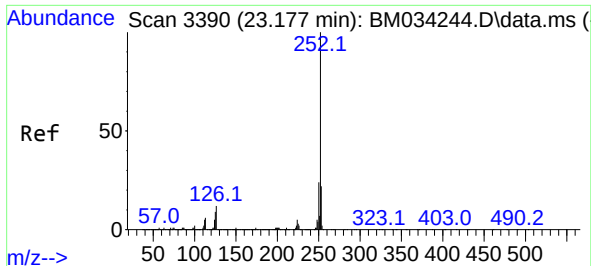
Supervised By :Jagrut
Upadhyay
03/23/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.858 ng
RT: 26.406 min Scan# 3939
Delta R.T. -0.029 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

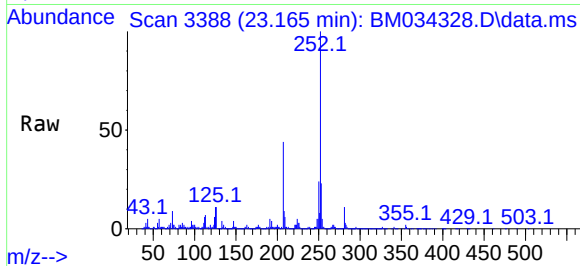
Tgt Ion:276 Resp: 242418
Ion Ratio Lower Upper
276 100
138 18.6 16.6 25.0
277 23.4 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 11.599 ng m
RT: 23.165 min Scan# 3388
Delta R.T. -0.012 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :
BNA_M
ClientSampleId :
C-20-19-21

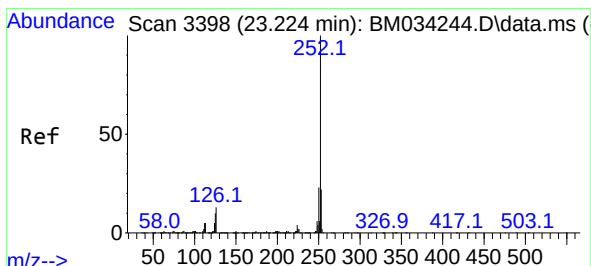
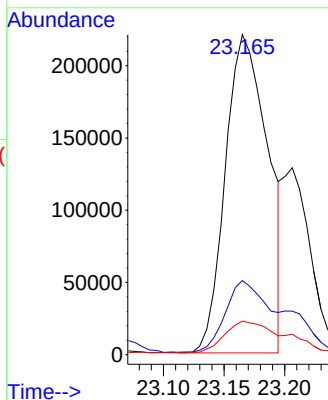
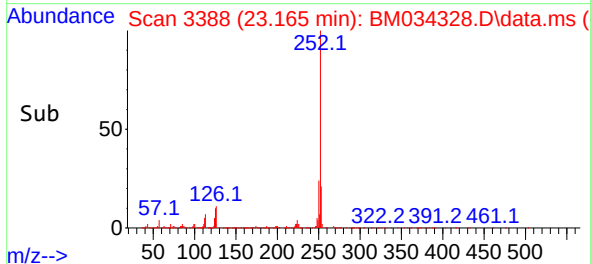


Tgt Ion:252 Resp: 538000
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.5 7.2 10.8

Manual Integrations
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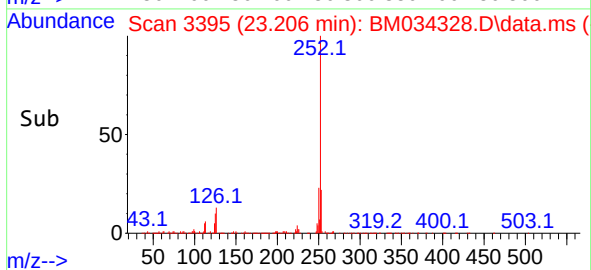
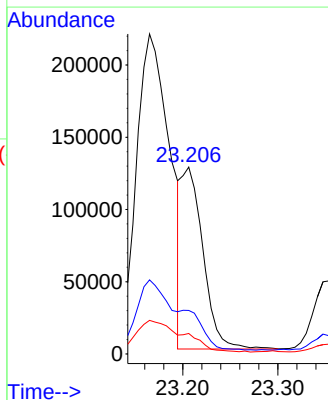
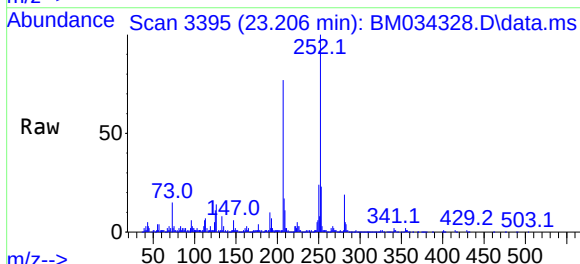
Reviewed By :Christian
Giraldo
03/23/2022

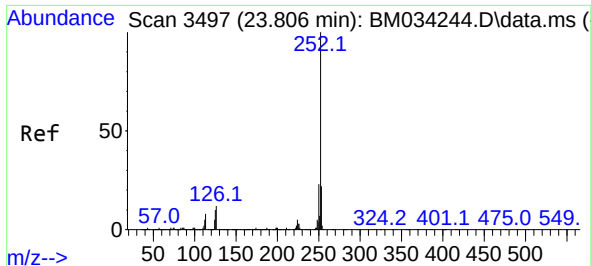
Supervised By :Jagrut
Upadhyay
03/23/2022



#89
Benzo(k)fluoranthene
Concen: 4.039 ng m
RT: 23.206 min Scan# 3395
Delta R.T. -0.017 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Tgt Ion:252 Resp: 198442
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.0 7.5 11.3





#90
Benzo(a)pyrene
Concen: 11.595 ng
RT: 23.789 min Scan# 3497
Delta R.T. -0.017 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Instrument :

BNA_M

ClientSampleId :

C-20-19-21

Tgt Ion:252 Resp: 455908
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.4 7.8 11.6

Manual Integrations
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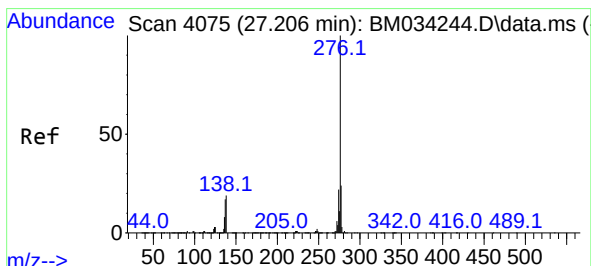
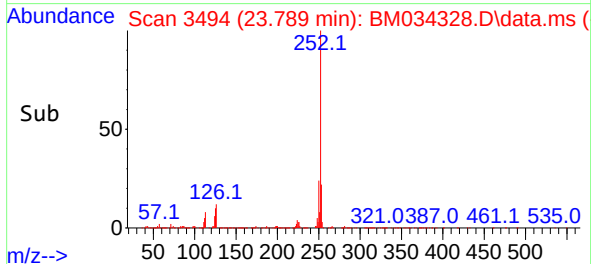
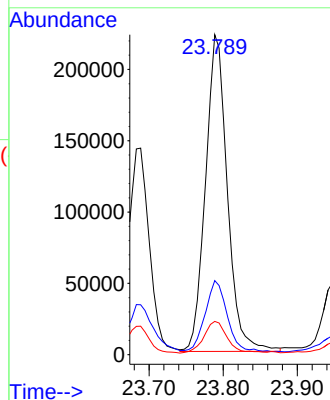
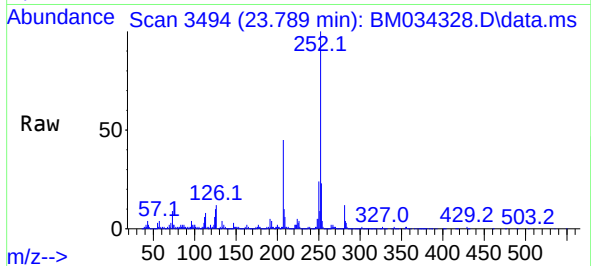
Reviewed By :Christian
Giraldo

03/23/2022

Supervised By :Jagrut

Upadhyay

03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 6.157 ng
RT: 27.177 min Scan# 4070
Delta R.T. -0.029 min
Lab File: BM034328.D
Acq: 23 Mar 2022 02:05

Tgt Ion:276 Resp: 257827
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 17.9 15.6 23.4

