

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039268.D
 Acq On : 01 Apr 2023 00:18
 Operator : CG/JU
 Sample : 02136-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-033023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/03/2023
 Supervised By : Jagrut Upadhyay 04/03/2023

Quant Time: Apr 01 05:23:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	273678	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	1079664	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	615144	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1238883	20.000	ng	0.00
76) Chrysene-d12	21.497	240	1063415	20.000	ng	0.00
86) Perylene-d12	23.915	264	1199609	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	738638	40.662	ng	0.00
7) Phenol-d6	7.087	99	960803	40.893	ng	0.00
23) Nitrobenzene-d5	9.086	82	587733	26.458	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	308762	39.541	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	1261063	27.776	ng	0.00
79) Terphenyl-d14	19.939	244	1736751	30.174	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.286	152	525487	8.693	ng	100
52) Acenaphthene	14.627	154	122668	3.437	ng	98
55) Dibenzofuran	14.962	168	182554	3.177	ng	# 98
58) Fluorene	15.609	166	299648	6.585	ng	99
71) Phenanthrene	17.356	178	3354712	49.442	ng	100
72) Anthracene	17.445	178	1179606	17.050	ng	99
73) Carbazole	17.721	167	360269	5.573	ng	99
75) Fluoranthene	19.374	202	4619383	59.724	ng	99
78) Pyrene	19.739	202	4131409	54.573	ng	99
81) Benzo(a)anthracene	21.480	228	2216937	29.560	ng	97
83) Chrysene	21.538	228	1987372	27.449	ng	96
87) Indeno(1,2,3-cd)pyrene	26.426	276	1323498	14.974	ng	96
88) Benzo(b)fluoranthene	23.180	252	2572588	35.048	ng	97
89) Benzo(k)fluoranthene	23.221	252	922639m	12.340	ng	
90) Benzo(a)pyrene	23.809	252	1985044	27.529	ng	98
91) Dibenzo(a,h)anthracene	26.426	278	375665	5.062	ng	# 82
92) Benzo(g,h,i)perylene	27.203	276	1298529	17.791	ng	99

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

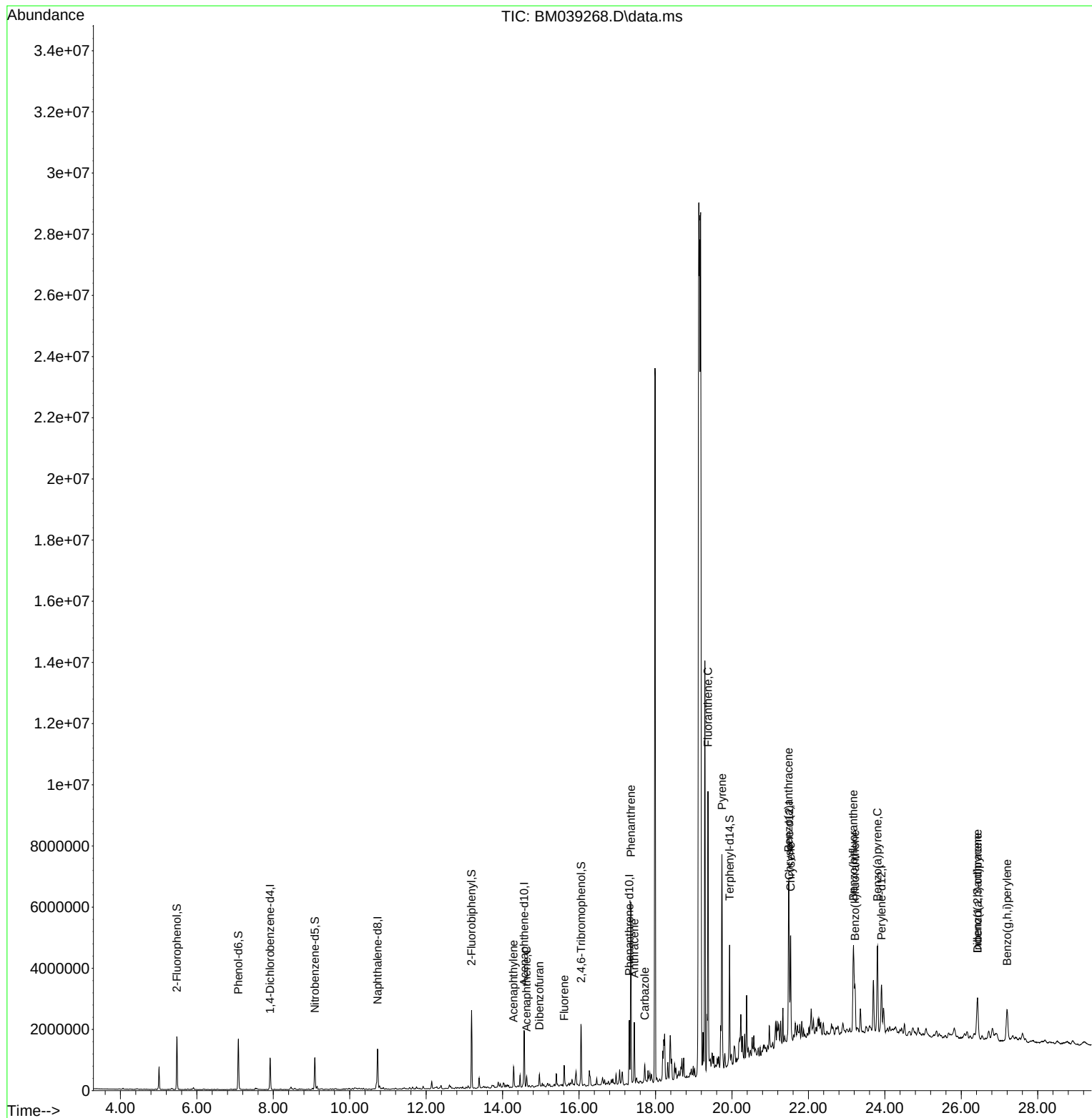
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
Data File : BM039268.D
Acq On : 01 Apr 2023 00:18
Operator : CG/JU
Sample : 02136-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

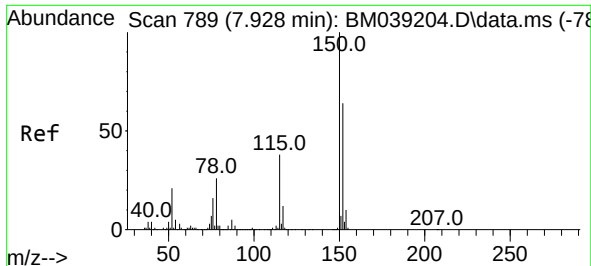
Instrument :
BNA_M
ClientSampleId :
SU-03-033023

Quant Time: Apr 01 05:23:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 17:03:41 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

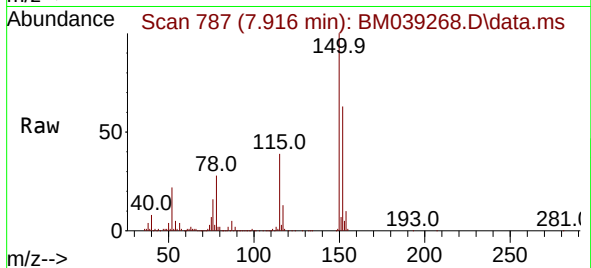
Reviewed By : Christian Giraldo 04/03/2023
Supervised By : Jagrut Upadhyay 04/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 789
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

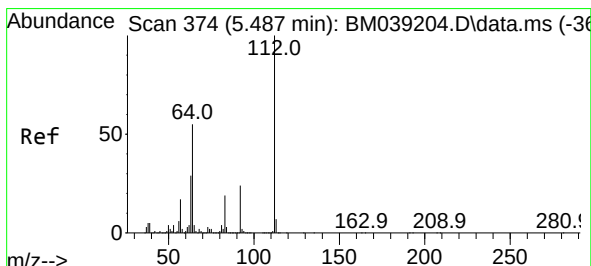
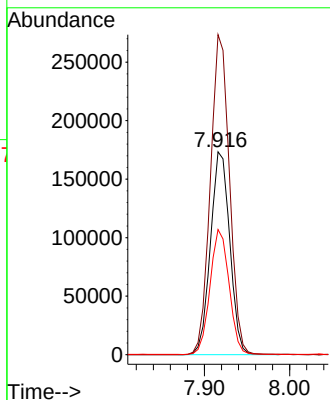
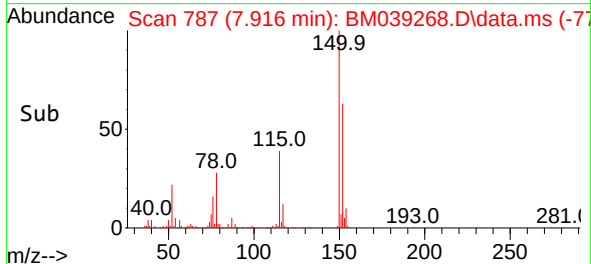
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



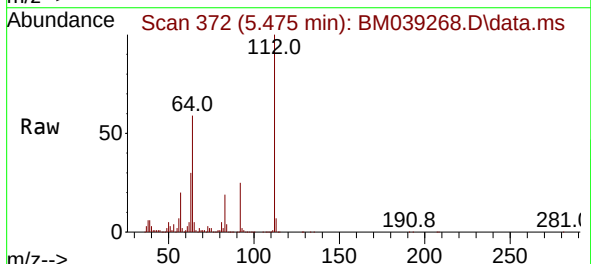
Tgt Ion:152 Resp: 273678
Ion Ratio Lower Upper
152 100
150 157.7 125.5 188.3
115 61.7 48.1 72.1

Manual Integrations
APPROVED

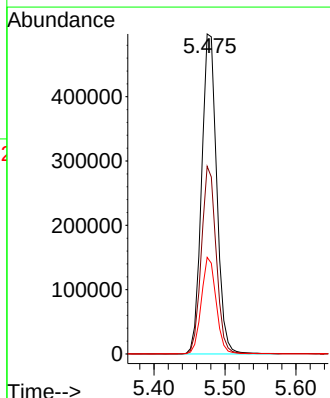
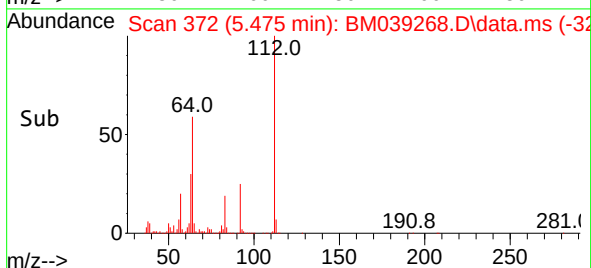
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

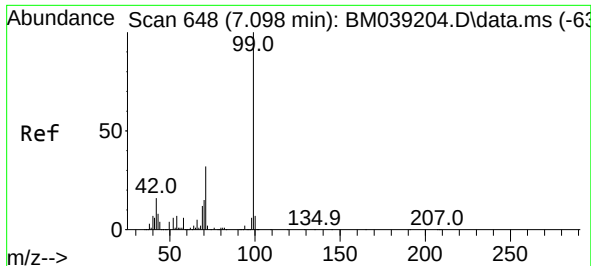


#5
2-Fluorophenol
Concen: 40.662 ng
RT: 5.475 min Scan# 372
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



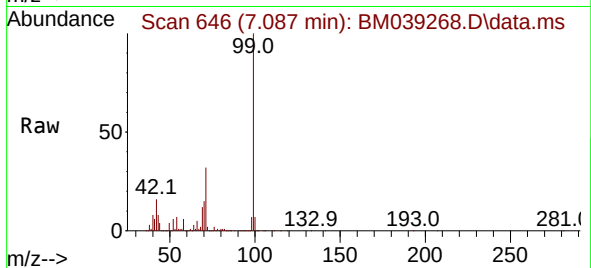
Tgt Ion:112 Resp: 738638
Ion Ratio Lower Upper
112 100
64 58.7 44.3 66.5
63 30.2 23.0 34.6





#7
Phenol-d6
Concen: 40.893 ng
RT: 7.087 min Scan# 648
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

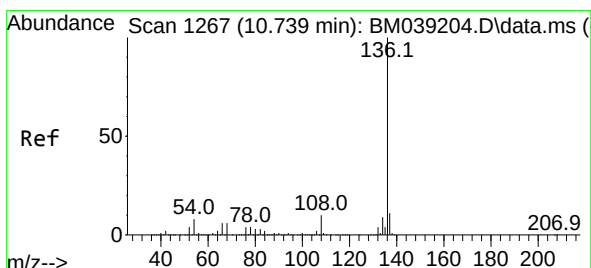
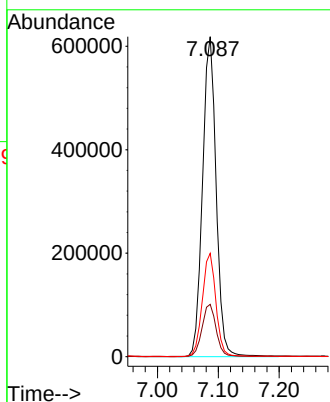
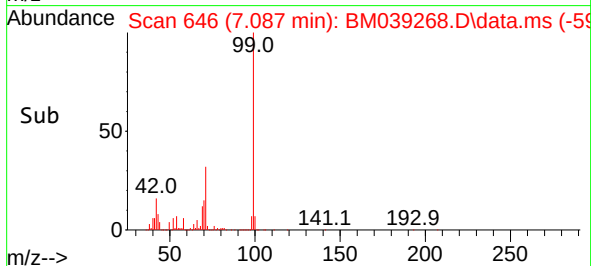
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



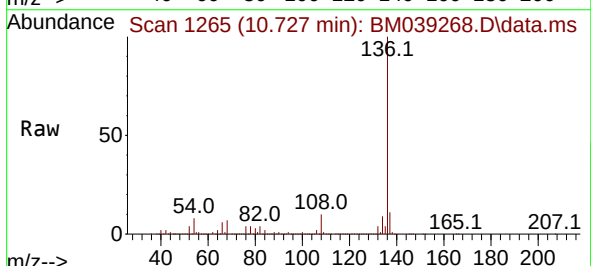
Tgt Ion: 99 Resp: 96080
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.6
71 32.3 25.5 38.3

Manual Integrations
APPROVED

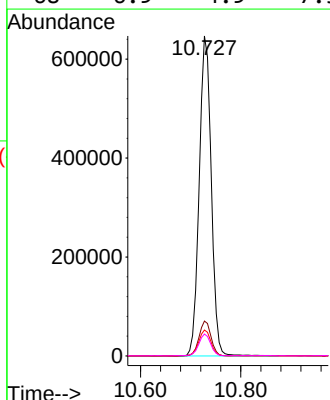
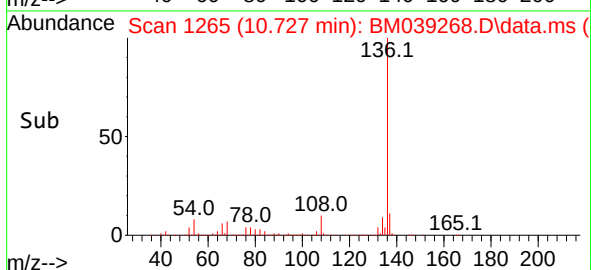
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

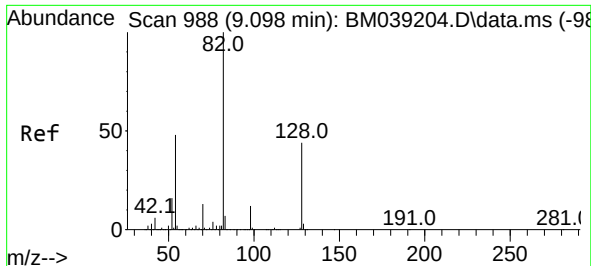


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



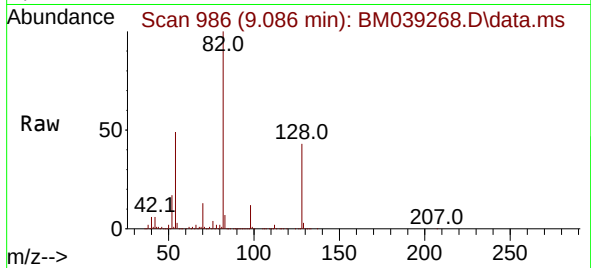
Tgt Ion:136 Resp: 1079664
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.2 9.4
68 6.9 4.9 7.3





#23
Nitrobenzene-d5
Concen: 26.458 ng
RT: 9.086 min Scan# 90
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

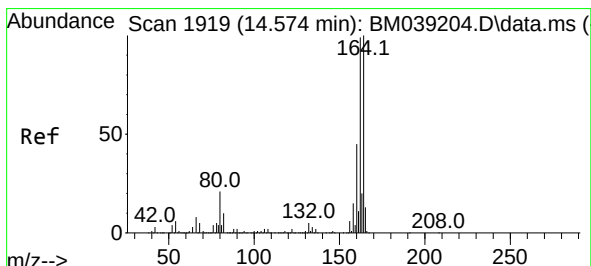
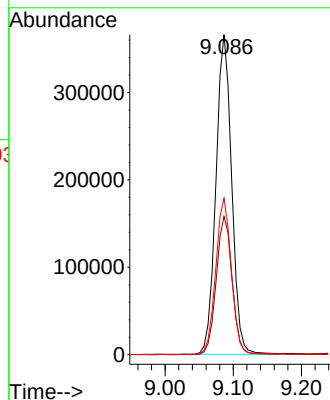
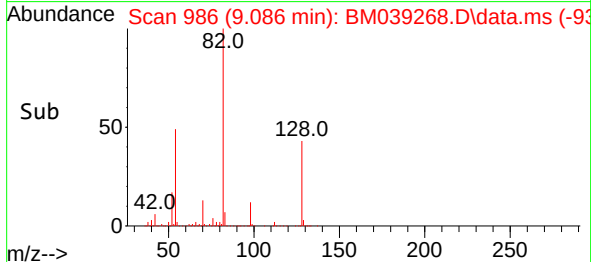
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



Tgt Ion: 82 Resp: 58773
Ion Ratio Lower Upper
82 100
128 43.2 35.1 52.7
54 48.9 38.5 57.7

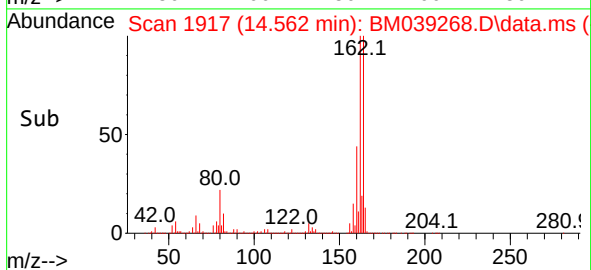
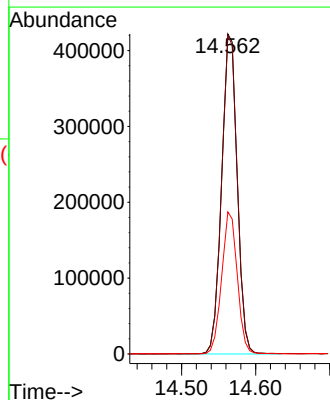
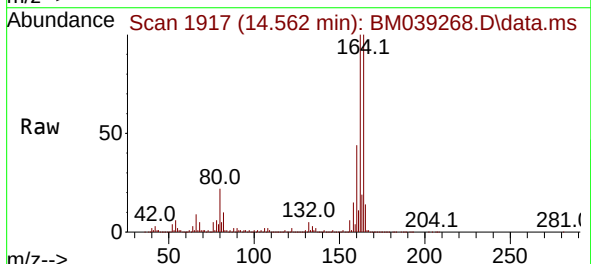
Manual Integrations
APPROVED

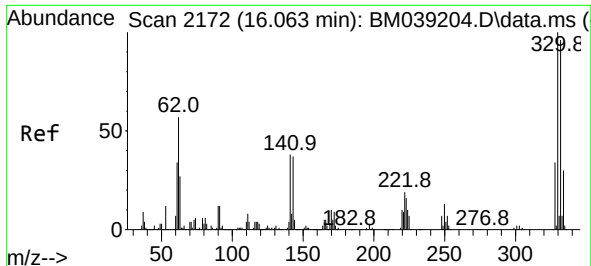
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1917
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

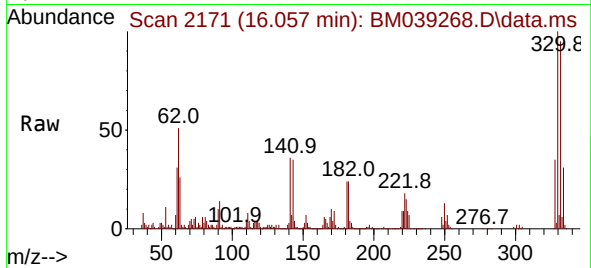
Tgt Ion:164 Resp: 615144
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 44.4 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 39.541 ng
RT: 16.057 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

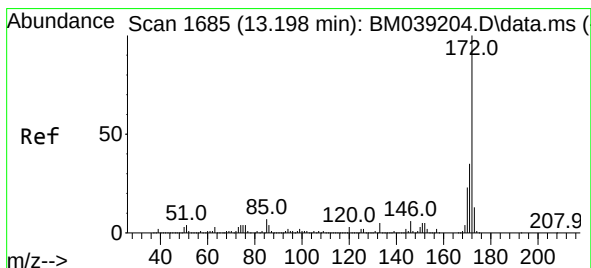
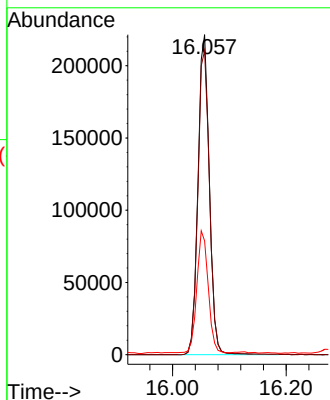
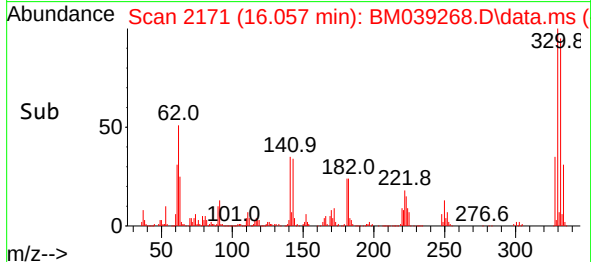
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



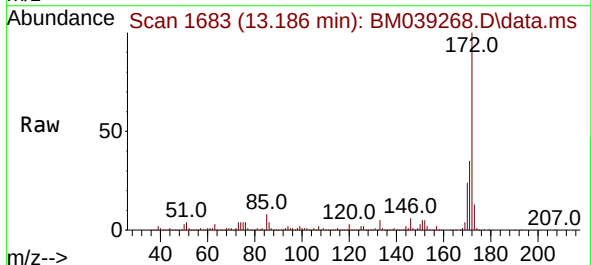
Tgt Ion:330 Resp: 308762
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 37.8 29.8 44.6

Manual Integrations
APPROVED

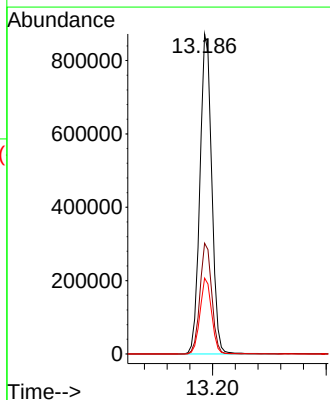
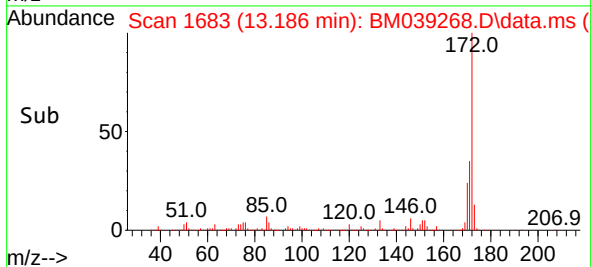
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

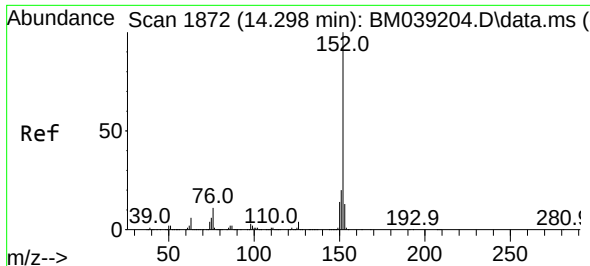


#45
2-Fluorobiphenyl
Concen: 27.776 ng
RT: 13.186 min Scan# 1683
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



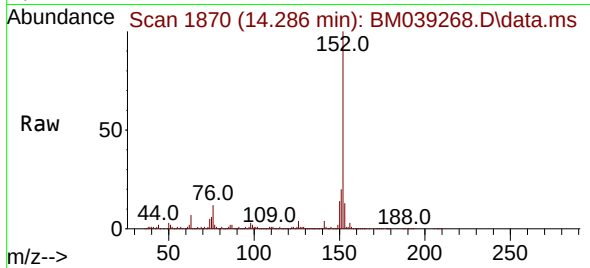
Tgt Ion:172 Resp: 1261063
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.7 18.7 28.1





#49
Acenaphthylene
Concen: 8.693 ng
RT: 14.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

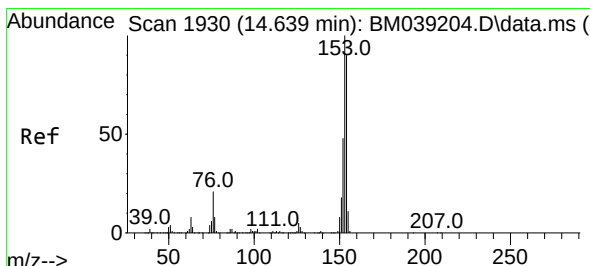
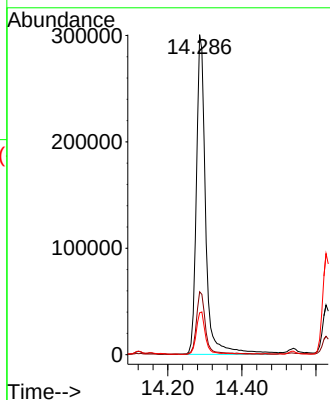
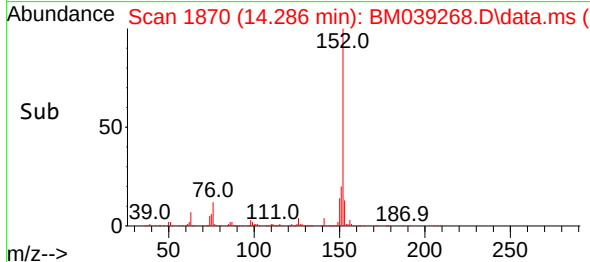
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



Tgt Ion:152 Resp: 52548
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.1 10.3 15.5

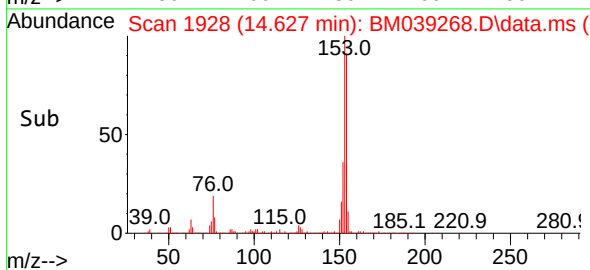
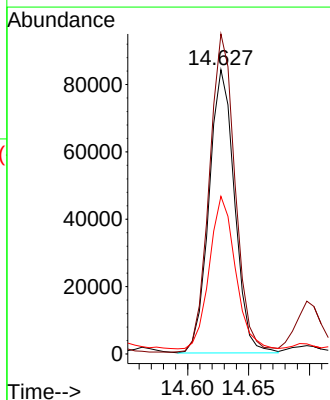
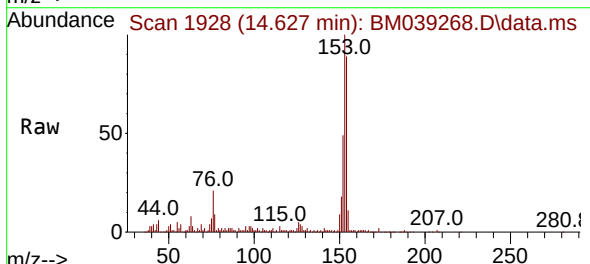
Manual Integrations
APPROVED

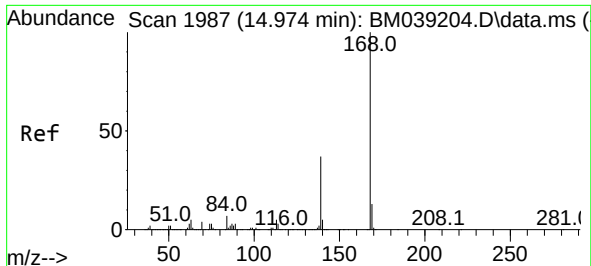
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#52
Acenaphthene
Concen: 3.437 ng
RT: 14.627 min Scan# 1928
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

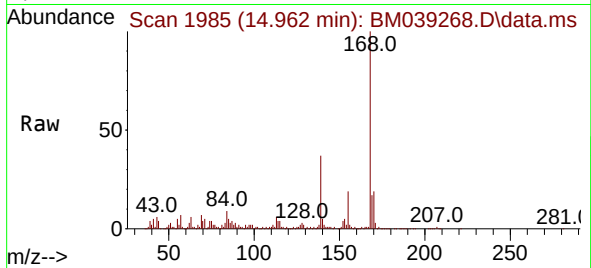
Tgt Ion:154 Resp: 122668
Ion Ratio Lower Upper
154 100
153 112.6 89.1 133.7
152 55.5 42.6 64.0





#55
Dibenzenofuran
Concen: 3.177 ng
RT: 14.962 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

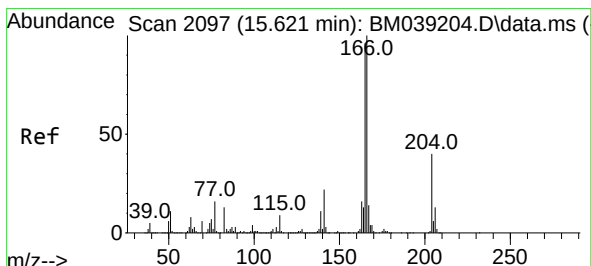
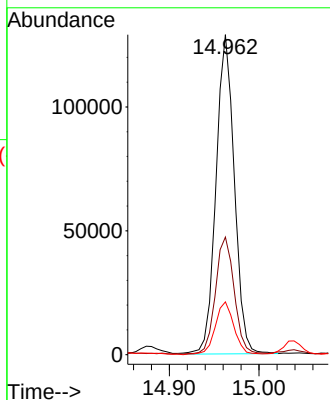
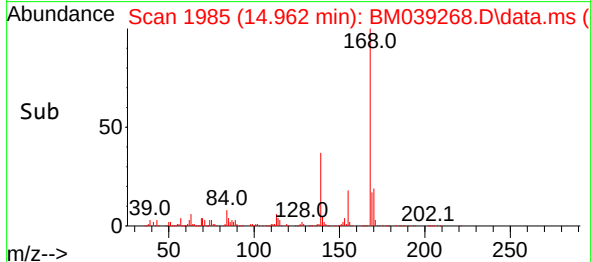
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



Tgt Ion:168 Resp: 182554
Ion Ratio Lower Upper
168 100
139 36.7 29.4 44.2
169 16.5 10.6 15.8

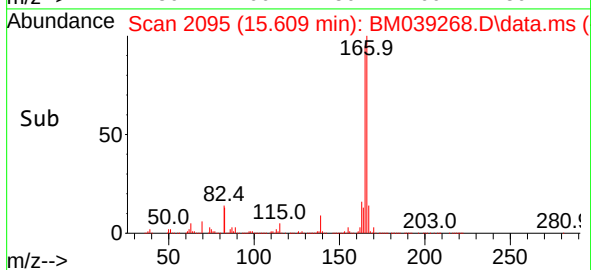
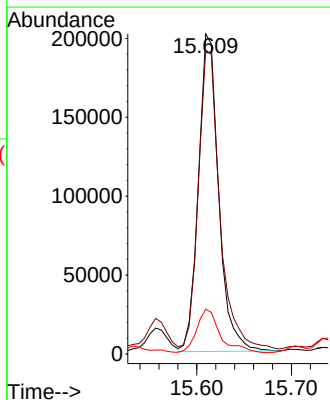
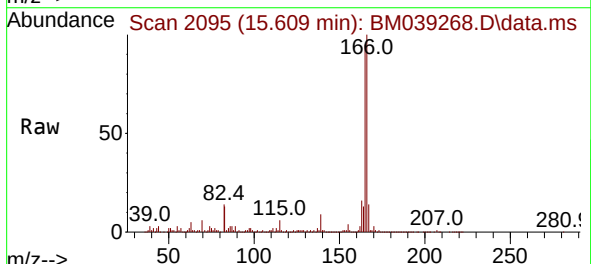
Manual Integrations
APPROVED

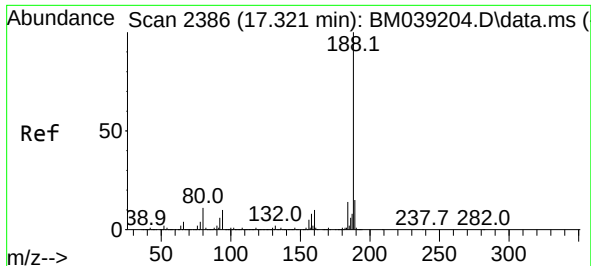
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#58
Fluorene
Concen: 6.585 ng
RT: 15.609 min Scan# 2095
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

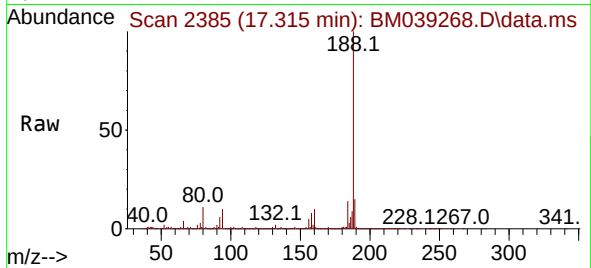
Tgt Ion:166 Resp: 299648
Ion Ratio Lower Upper
166 100
165 95.0 76.9 115.3
167 14.0 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

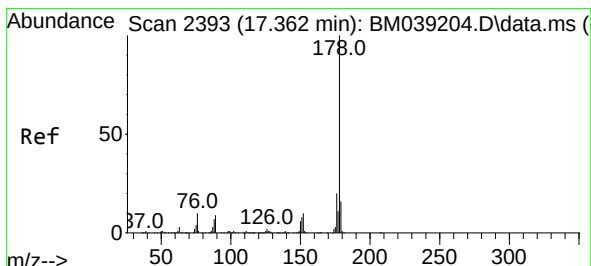
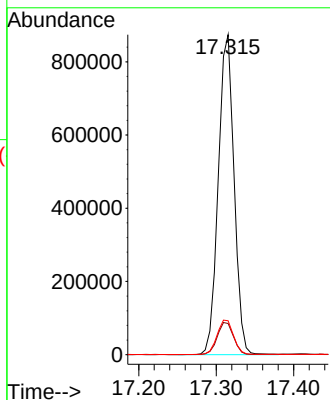
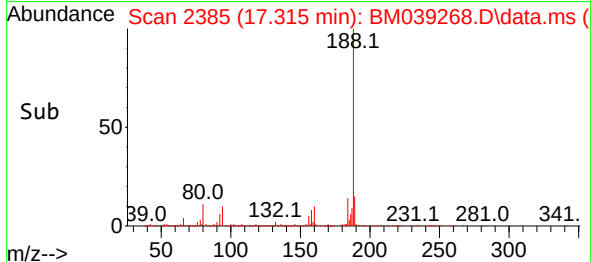
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



Tgt Ion:188 Resp: 123888
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.6 8.9 13.3

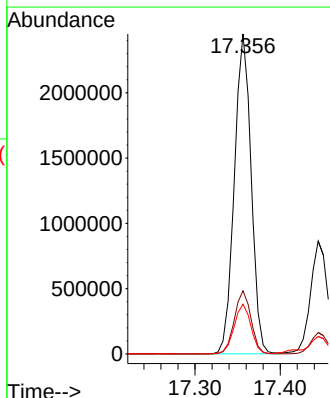
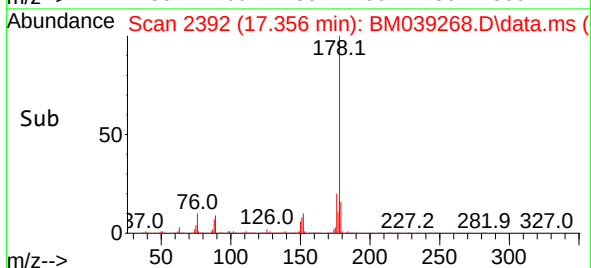
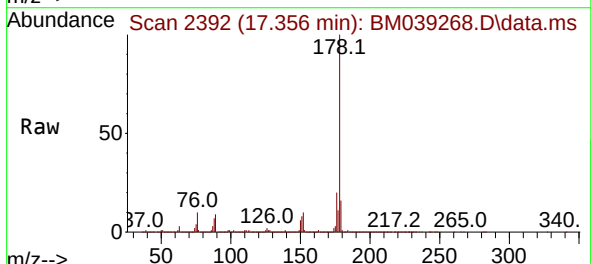
Manual Integrations
APPROVED

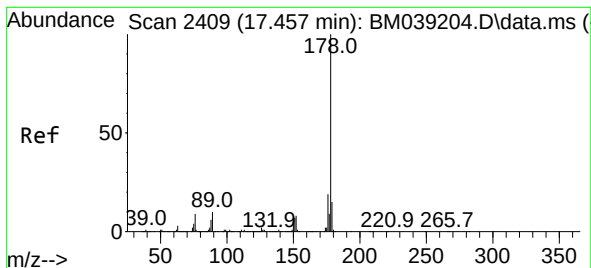
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#71
Phenanthrene
Concen: 49.442 ng
RT: 17.356 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion:178 Resp: 3354712
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.6 12.4 18.6





#72

Anthracene

Concen: 17.050 ng

RT: 17.445 min Scan# 2409

Delta R.T. -0.001 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

Tgt Ion:178 Resp: 1179600

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

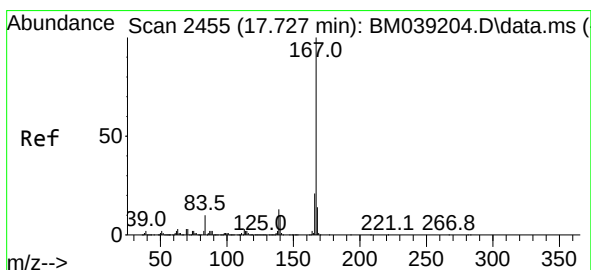
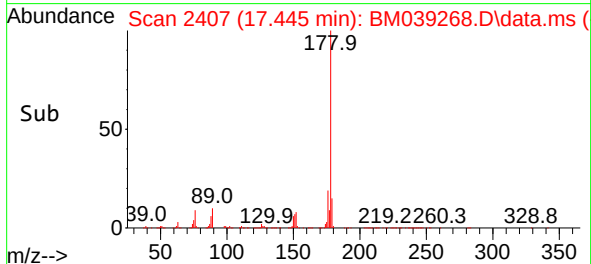
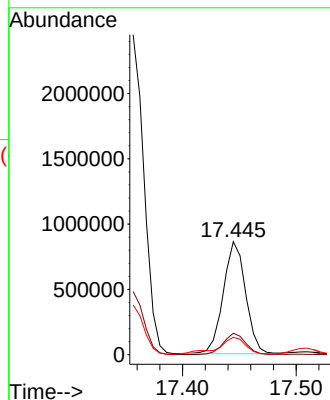
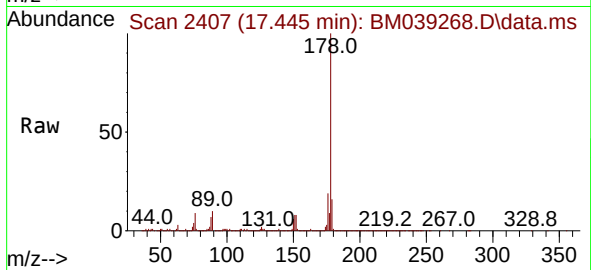
179 15.5 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#73

Carbazole

Concen: 5.573 ng

RT: 17.721 min Scan# 2454

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

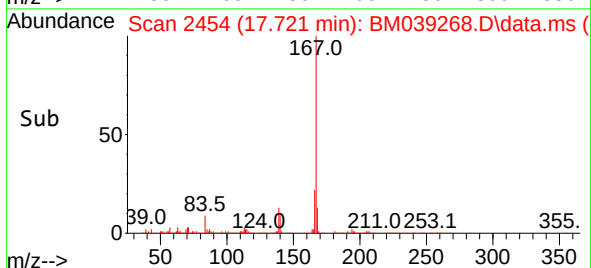
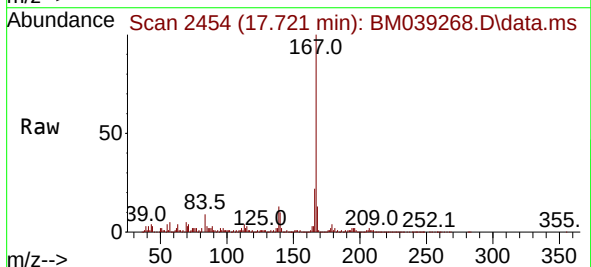
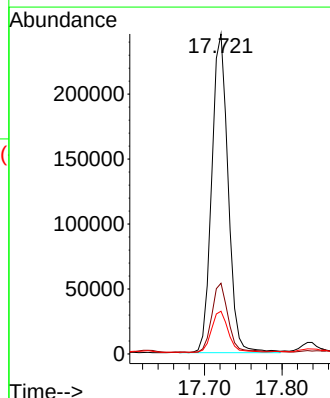
Tgt Ion:167 Resp: 360269

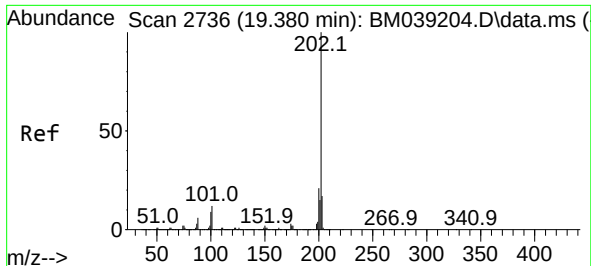
Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 13.3 10.6 16.0





#75
Fluoranthene
Concen: 59.724 ng
RT: 19.374 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

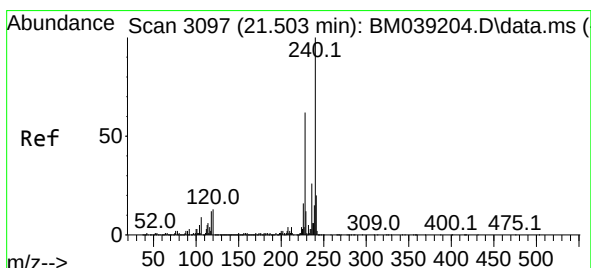
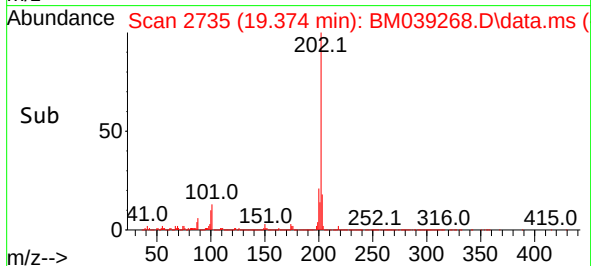
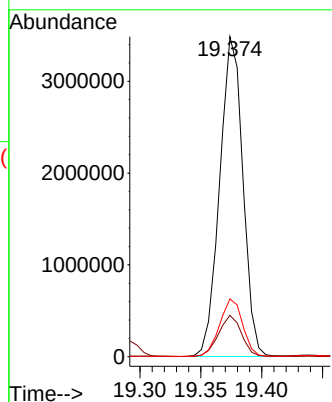
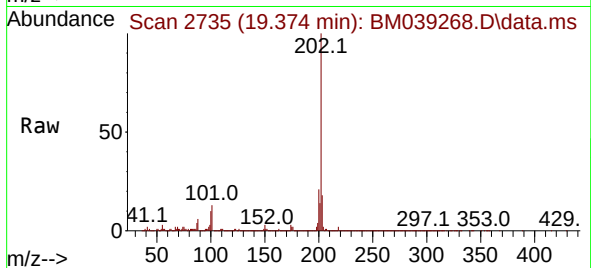
SU-03-033023

Tgt Ion:202 Resp: 461938
Ion Ratio Lower Upper
202 100
101 12.9 0.0 32.5
203 18.1 0.0 37.5

Manual Integrations

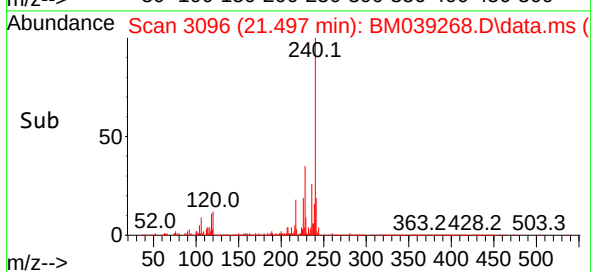
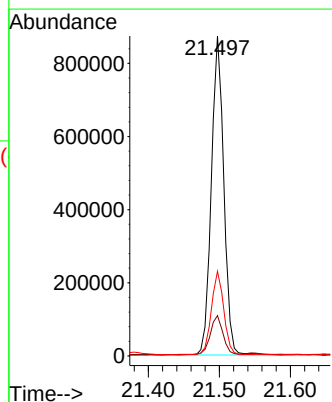
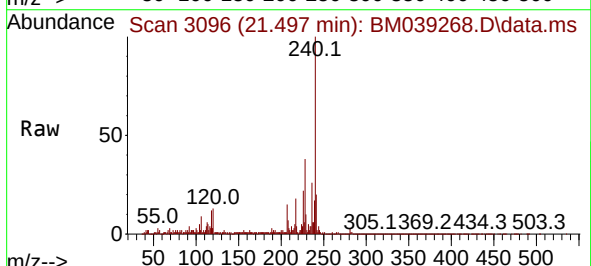
APPROVED

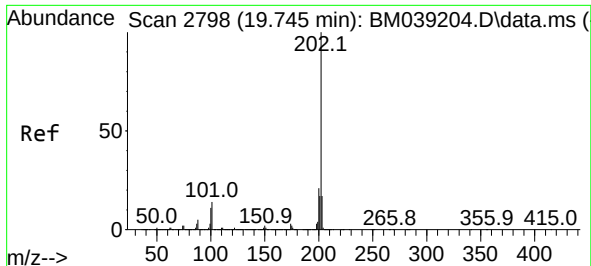
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3096
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

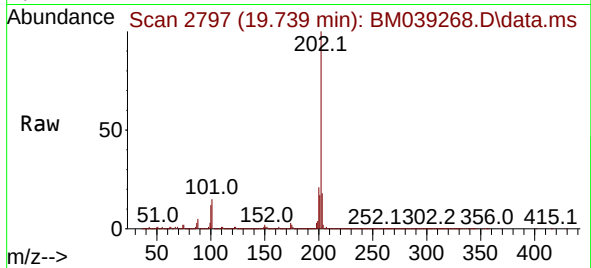
Tgt Ion:240 Resp: 1063415
Ion Ratio Lower Upper
240 100
120 12.6 10.2 15.2
236 26.4 20.9 31.3





#78
Pyrene
Concen: 54.573 ng
RT: 19.739 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

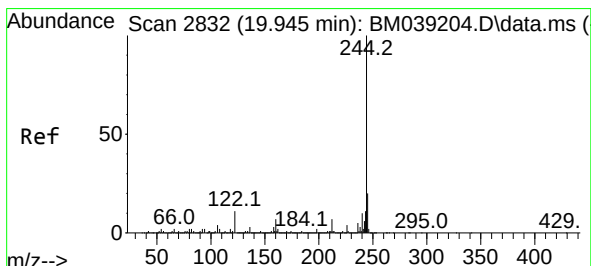
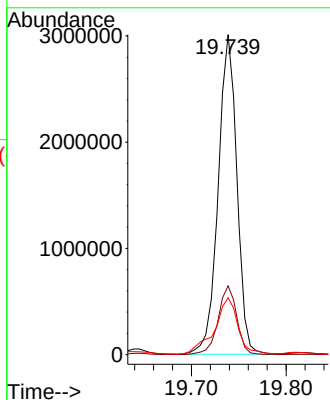
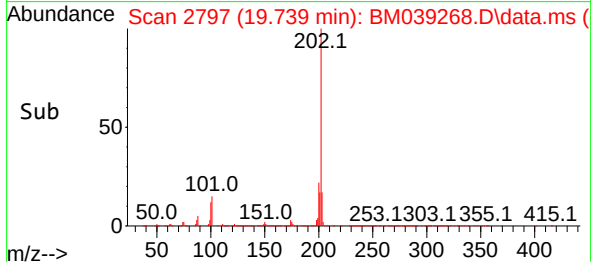
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



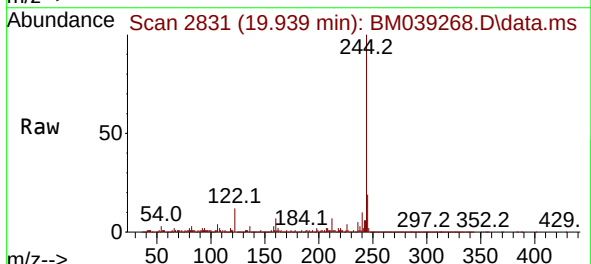
Tgt Ion:202 Resp: 4131409
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.8 13.9 20.9

Manual Integrations
APPROVED

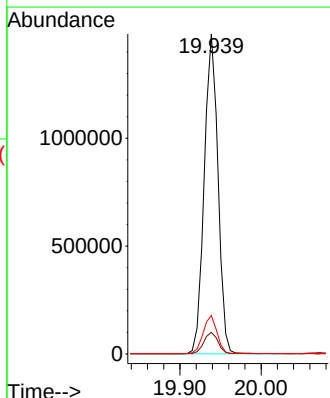
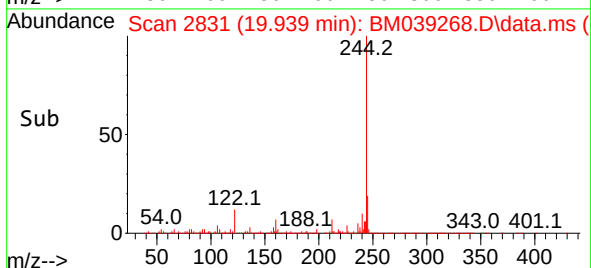
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

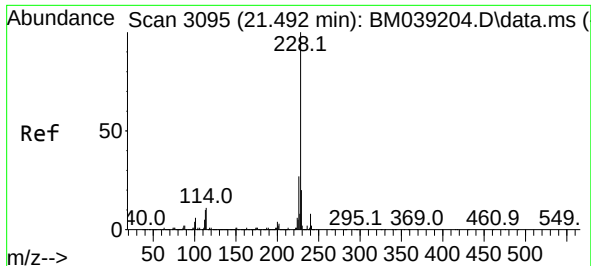


#79
Terphenyl-d14
Concen: 30.174 ng
RT: 19.939 min Scan# 2831
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



Tgt Ion:244 Resp: 1736751
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 12.0 9.1 13.7





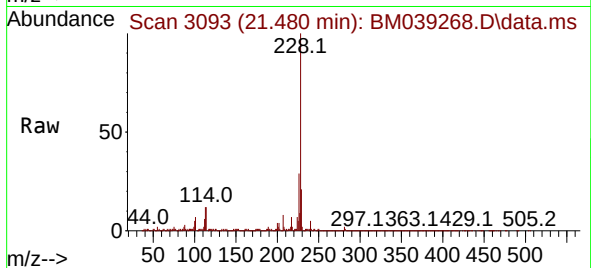
#81
Benzo(a)anthracene
Concen: 29.560 ng
RT: 21.480 min Scan# 3093
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

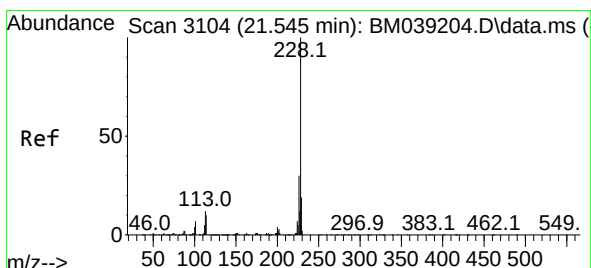
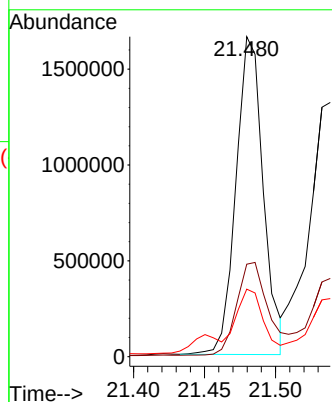
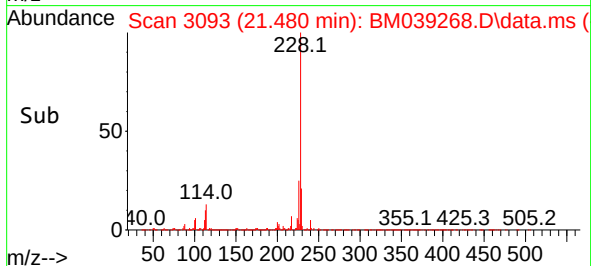


Tgt Ion:228 Resp: 221693
Ion Ratio Lower Upper
228 100
226 28.9 21.9 32.9
229 21.1 15.8 23.6

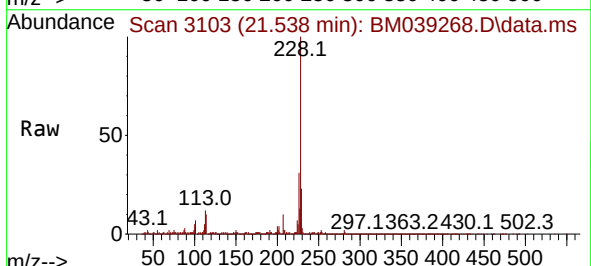
Manual Integrations

APPROVED

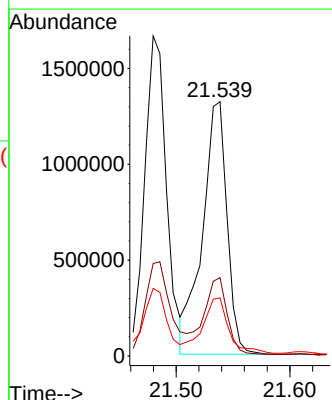
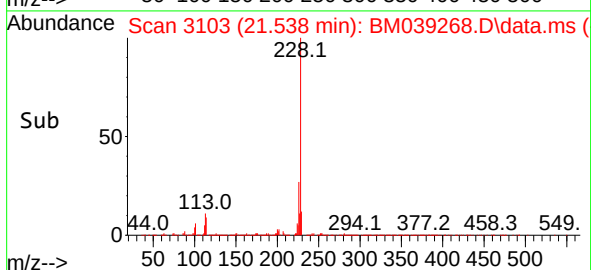
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

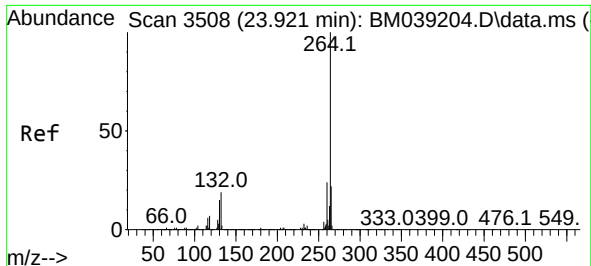


#83
Chrysene
Concen: 27.449 ng
RT: 21.538 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



Tgt Ion:228 Resp: 1987372
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.9 15.5 23.3





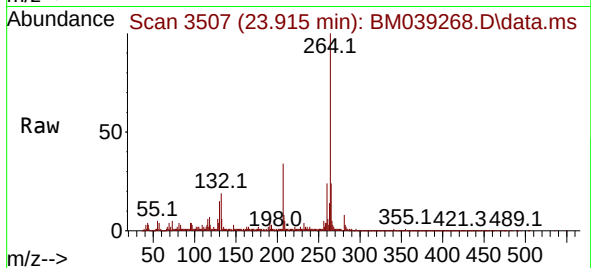
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.915 min Scan# 3508
Delta R.T. 0.011 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

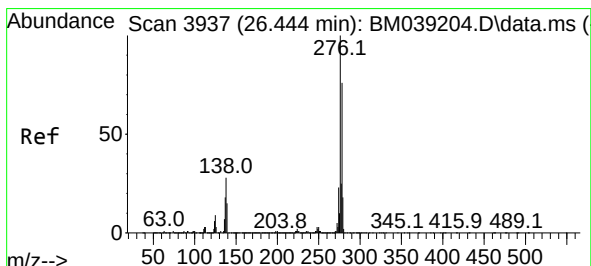
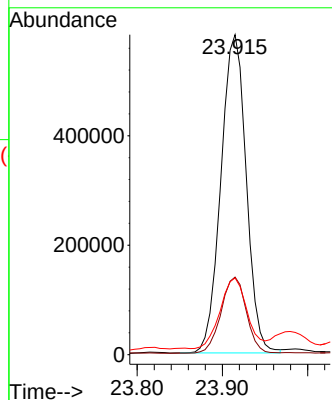
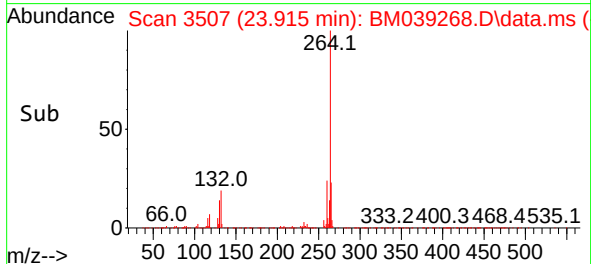


Tgt Ion:264 Resp: 1199609
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 24.0 18.1 27.1

Manual Integrations

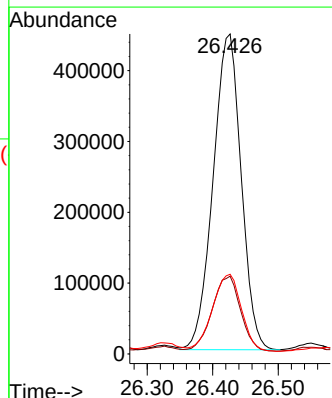
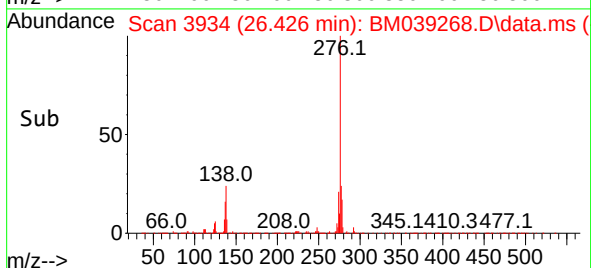
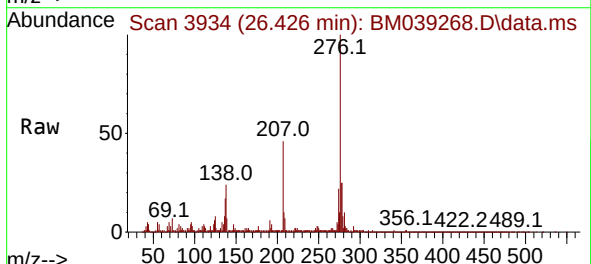
APPROVED

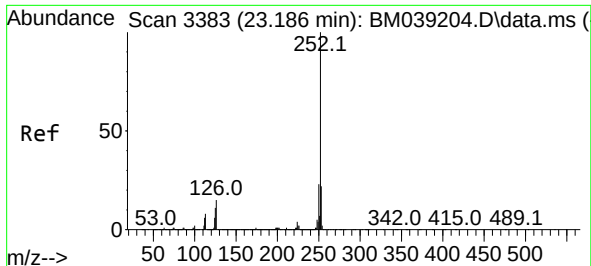
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.974 ng
RT: 26.426 min Scan# 3934
Delta R.T. 0.011 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

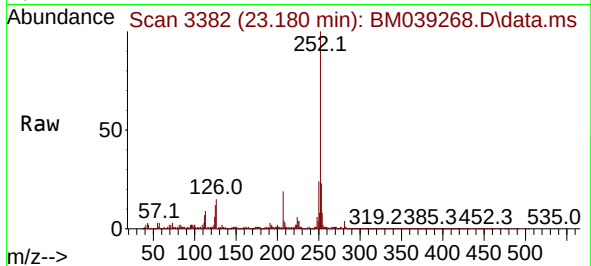
Tgt Ion:276 Resp: 1323498
Ion Ratio Lower Upper
276 100
138 24.1 22.2 33.2
277 25.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 35.048 ng
RT: 23.180 min Scan# 3382
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

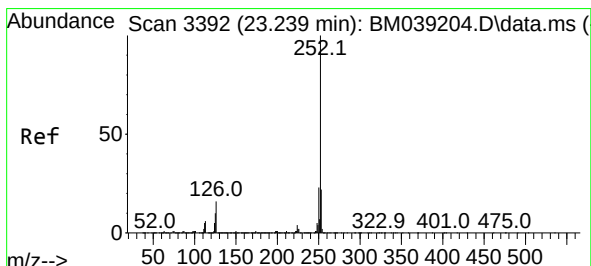
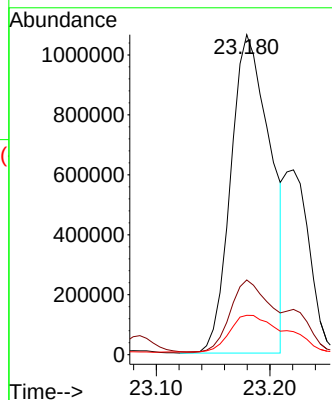
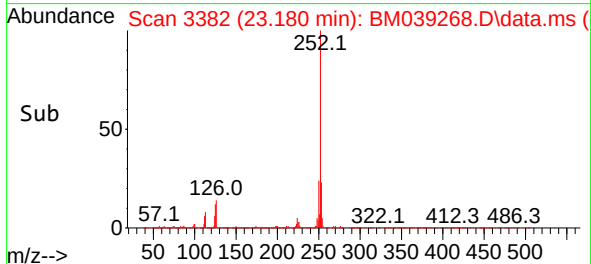
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



Tgt Ion:252 Resp: 2572588
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.3 9.0 13.6

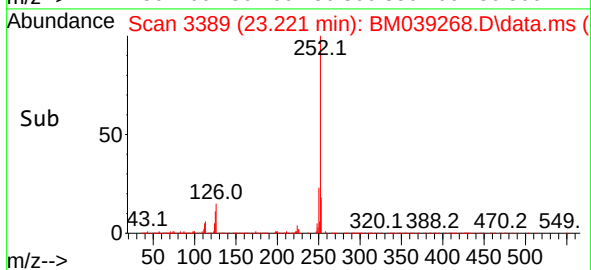
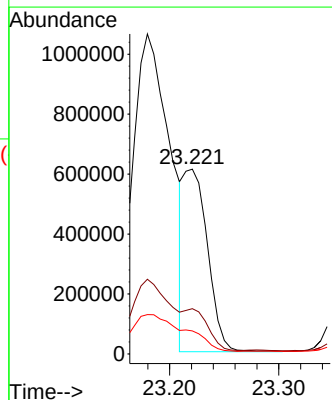
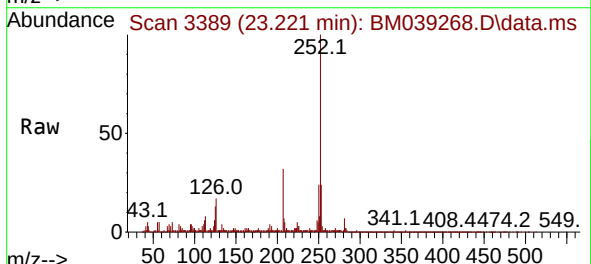
Manual Integrations
APPROVED

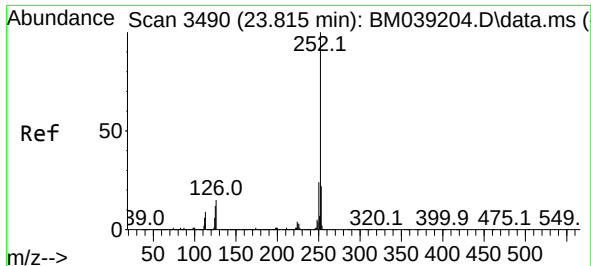
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#89
Benzo(k)fluoranthene
Concen: 12.340 ng m
RT: 23.221 min Scan# 3389
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

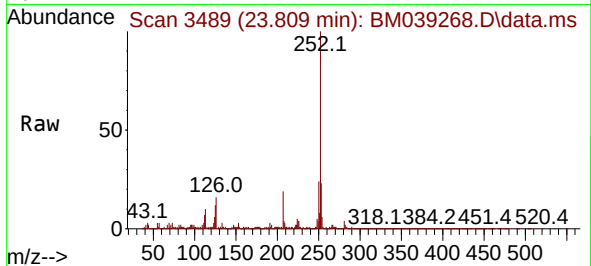
Tgt Ion:252 Resp: 922639
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 12.5 8.5 12.7





#90
Benzo(a)pyrene
Concen: 27.529 ng
RT: 23.809 min Scan# 3490
Delta R.T. 0.011 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

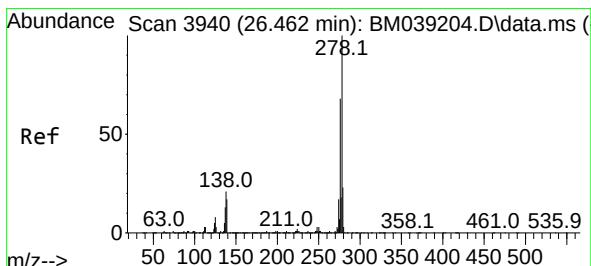
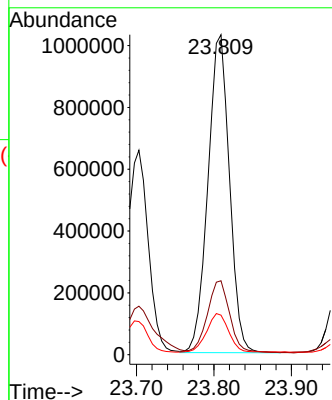
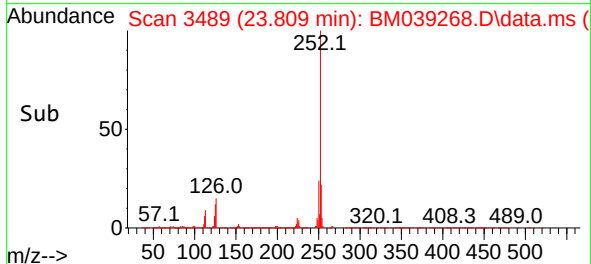
Instrument :
BNA_M
ClientSampleId :
SU-03-033023



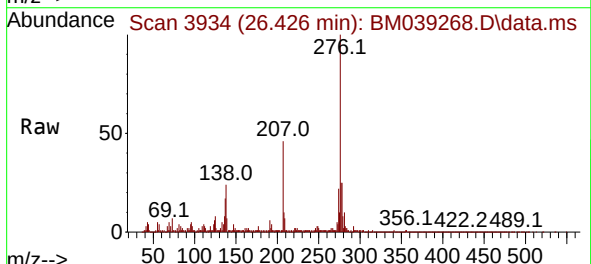
Tgt Ion:252 Resp: 1985044
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.3 9.8 14.6

Manual Integrations
APPROVED

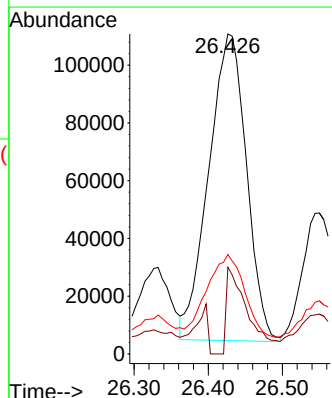
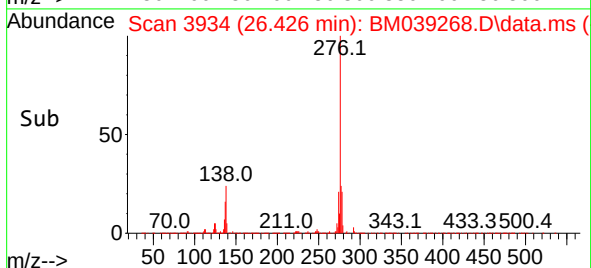
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

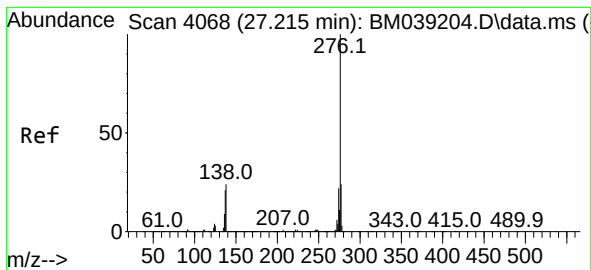


#91
Dibenzo(a,h)anthracene
Concen: 5.062 ng
RT: 26.426 min Scan# 3934
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18



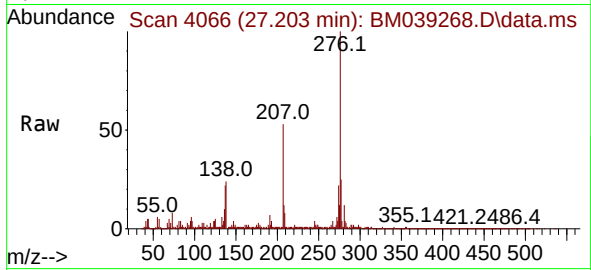
Tgt Ion:278 Resp: 375665
Ion Ratio Lower Upper
278 100
139 27.1 13.9 20.9#
279 31.1 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 17.791 ng
 RT: 27.203 min Scan# 4066
 Delta R.T. 0.017 min
 Lab File: BM039268.D
 Acq: 01 Apr 2023 00:18

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-033023



Tgt Ion:276 Resp: 1298529
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.1 28.7
 138 24.3 19.5 29.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

