

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039102.D
 Acq On : 22 Mar 2023 21:22
 Operator : CG/JU
 Sample : 02020-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-2

Quant Time: Mar 23 08:22:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	273316	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1035425	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	578225	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1151319	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1113870	20.000	ng	0.00
86) Perylene-d12	23.956	264	1272859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1777273	98.794	ng	0.00
7) Phenol-d6	7.128	99	2249670	96.276	ng	0.00
23) Nitrobenzene-d5	9.134	82	1321668	62.701	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	616422	92.153	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2547794	57.360	ng	0.00
79) Terphenyl-d14	19.968	244	3309945	54.330	ng	0.00
Target Compounds						
32) Benzoic acid	10.010	122	43380m	8.813	ng	Qvalue
71) Phenanthrene	17.392	178	437794	6.479	ng	99
75) Fluoranthene	19.403	202	539054	7.556	ng	99
78) Pyrene	19.762	202	464820	5.556	ng	99
83) Chrysene	21.562	228	236527	3.032	ng	99
88) Benzo(b)fluoranthene	23.215	252	320978	3.947	ng	# 93
90) Benzo(a)pyrene	23.844	252	172226	2.201	ng	# 96

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

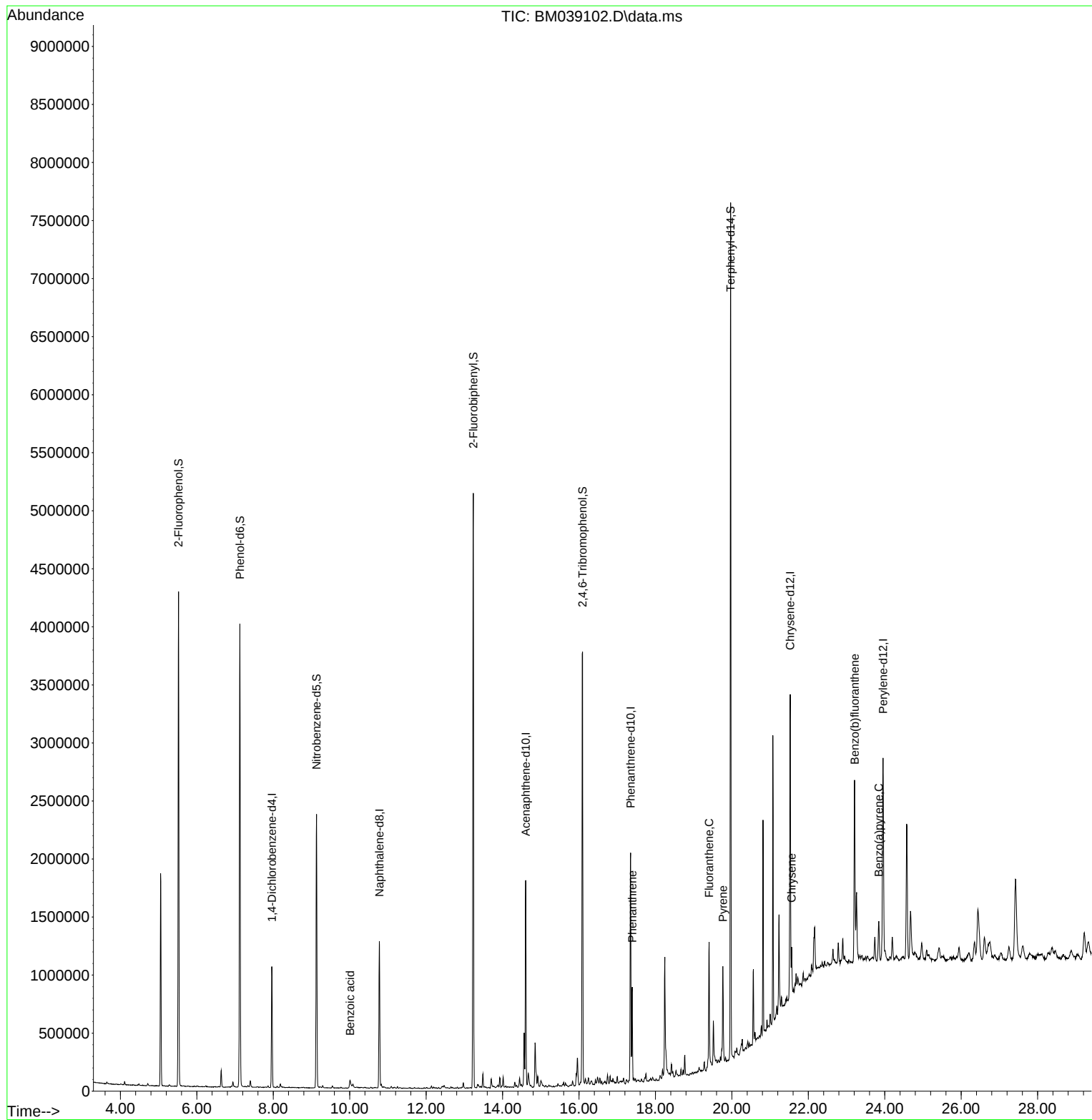
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
Data File : BM039102.D
Acq On : 22 Mar 2023 21:22
Operator : CG/JU
Sample : 02020-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

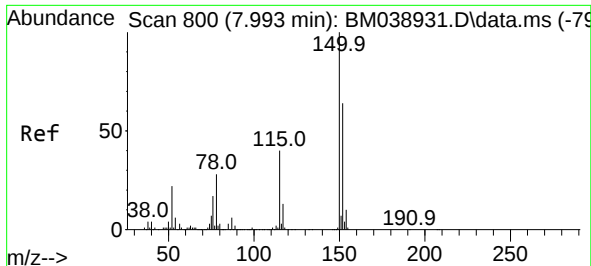
Instrument :
BNA_M
ClientSampleId :
SP-2

Quant Time: Mar 23 08:22:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

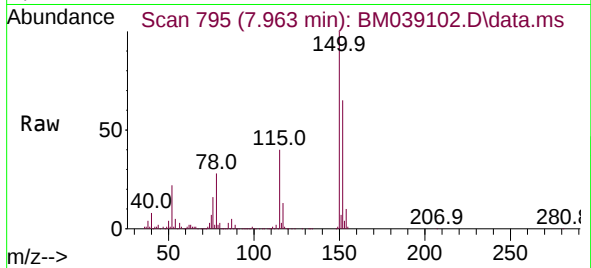
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

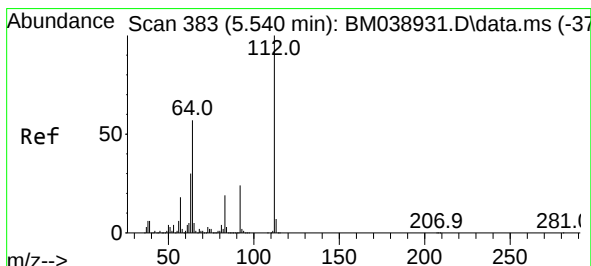
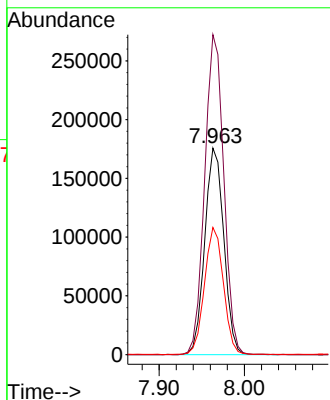
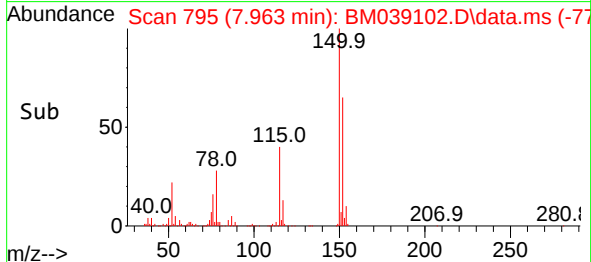
Instrument :
BNA_M
ClientSampleId :
SP-2



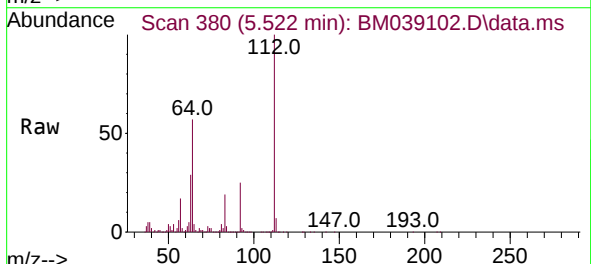
Tgt Ion:152 Resp: 273316
Ion Ratio Lower Upper
152 100
150 155.0 125.1 187.7
115 61.6 49.6 74.4

Manual Integrations
APPROVED

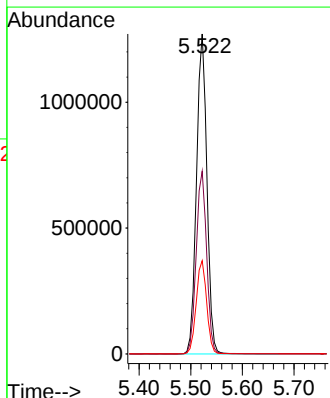
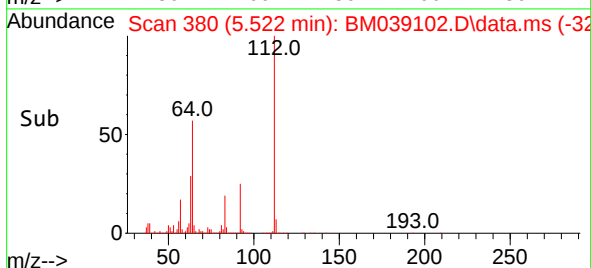
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

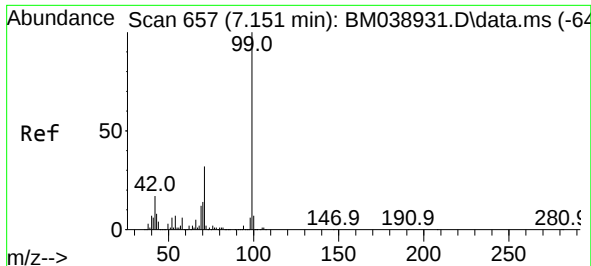


#5
2-Fluorophenol
Concen: 98.794 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22



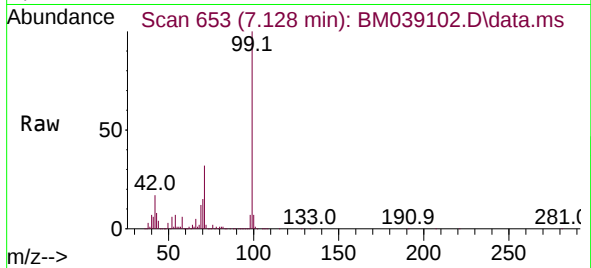
Tgt Ion:112 Resp: 1777273
Ion Ratio Lower Upper
112 100
64 57.1 45.9 68.9
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 96.276 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

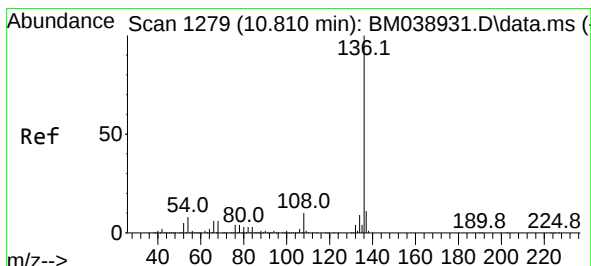
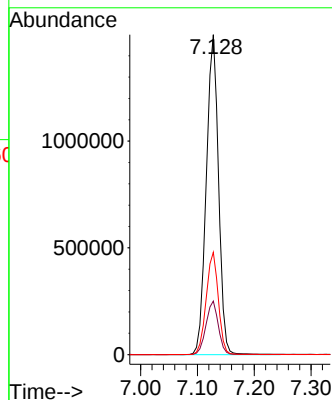
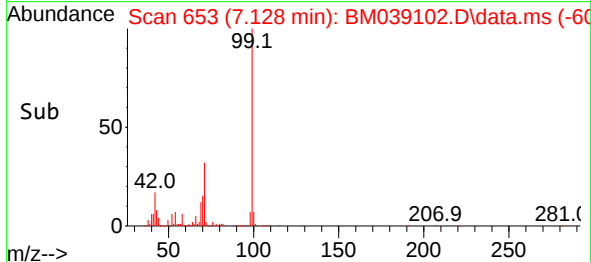
Instrument :
BNA_M
ClientSampleId :
SP-2



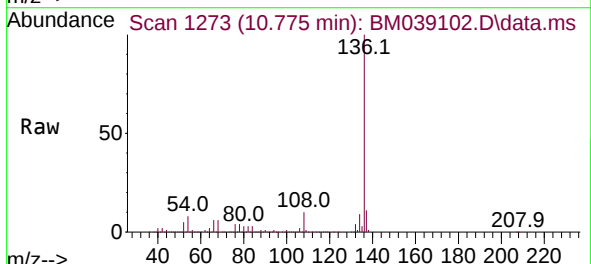
Tgt Ion: 99 Resp: 2249670
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 32.0 25.6 38.4

Manual Integrations
APPROVED

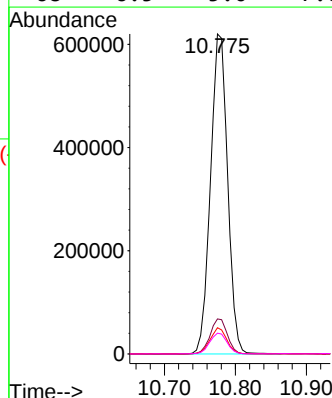
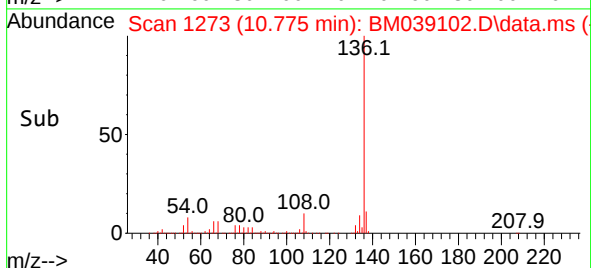
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

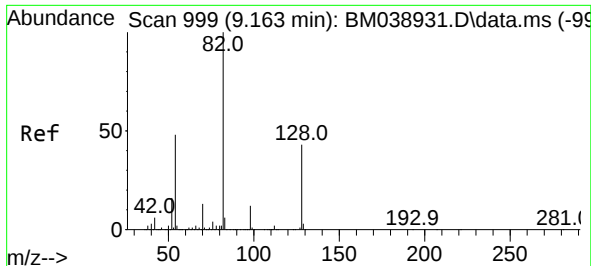


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22



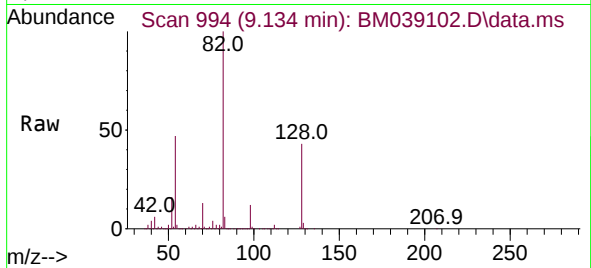
Tgt Ion:136 Resp: 1035425
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 62.701 ng
RT: 9.134 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

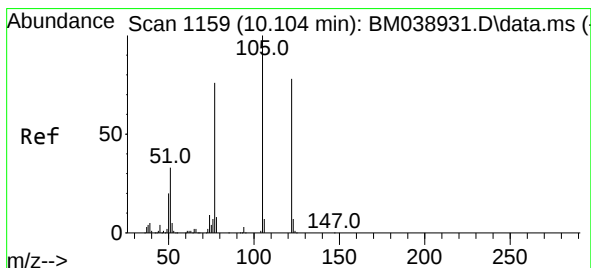
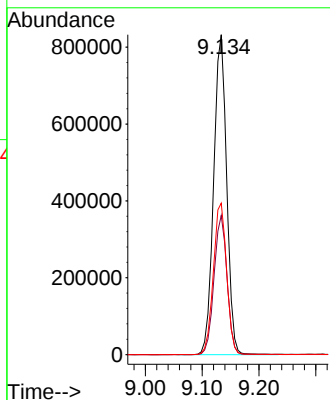
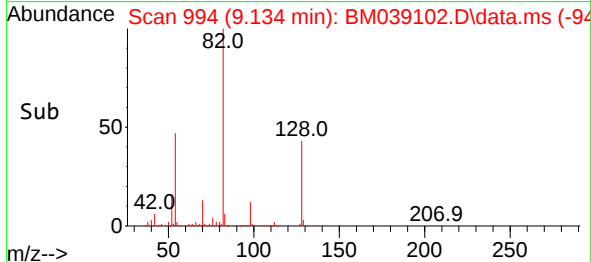
Instrument :
BNA_M
ClientSampleId :
SP-2



Tgt Ion: 82 Resp: 1321668
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 47.3 38.8 58.2

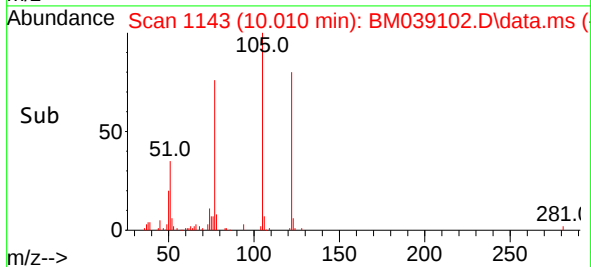
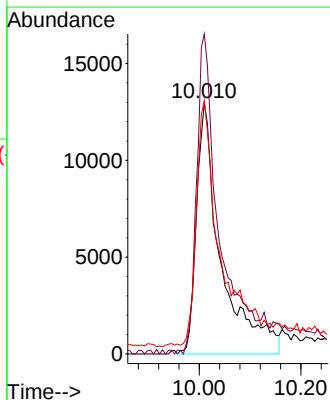
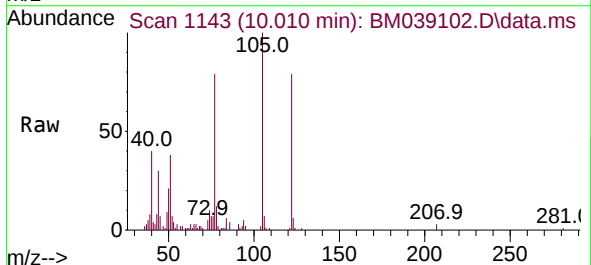
Manual Integrations
APPROVED

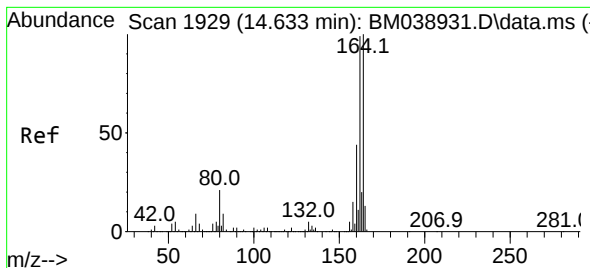
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#32
Benzoic acid
Concen: 8.813 ng m
RT: 10.010 min Scan# 1143
Delta R.T. -0.076 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Tgt Ion:122 Resp: 43380
Ion Ratio Lower Upper
122 100
105 127.3 104.2 144.2
77 100.6 75.1 115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.604 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

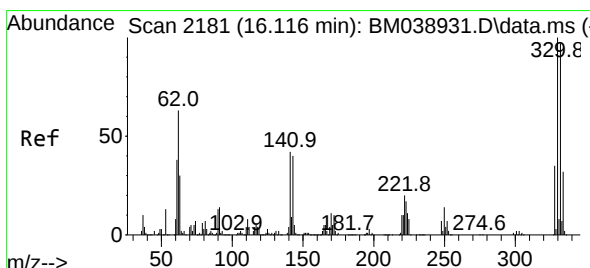
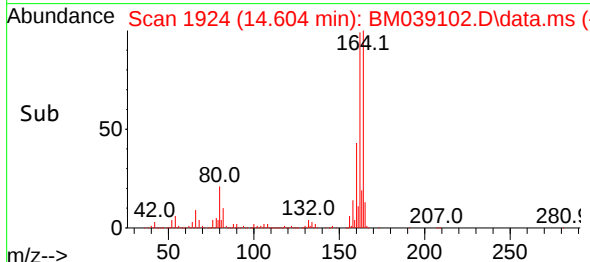
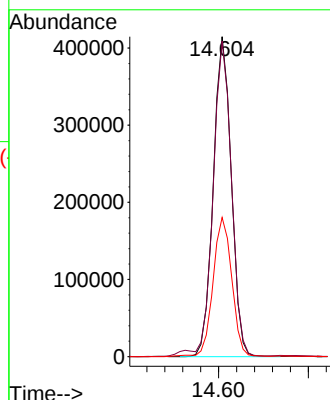
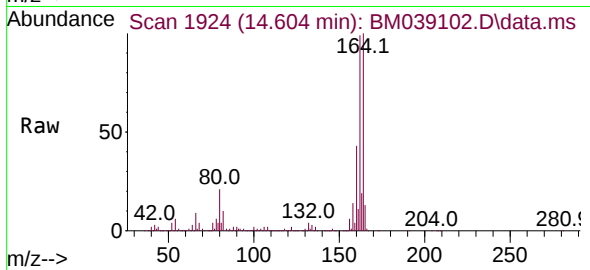
SP-2

Tgt Ion:164	Resp: 578225
Ion Ratio	Lower Upper
164	100
162	98.6 79.2 118.8
160	43.5 35.5 53.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#42

2,4,6-Tribromophenol

Concen: 92.153 ng

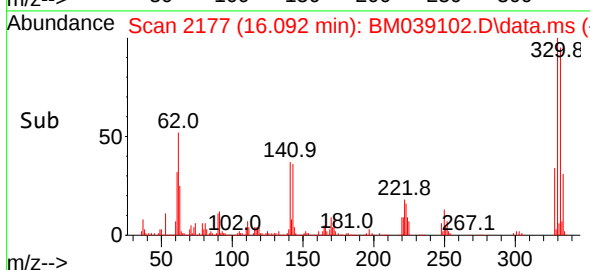
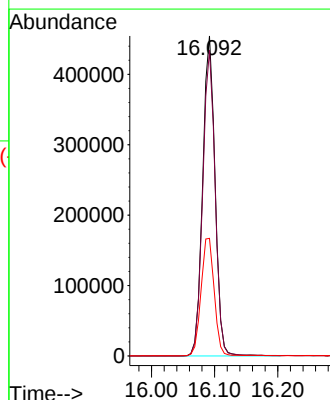
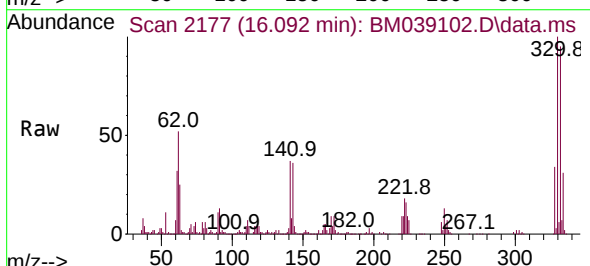
RT: 16.092 min Scan# 2177

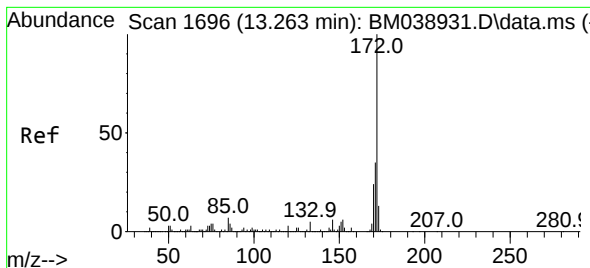
Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

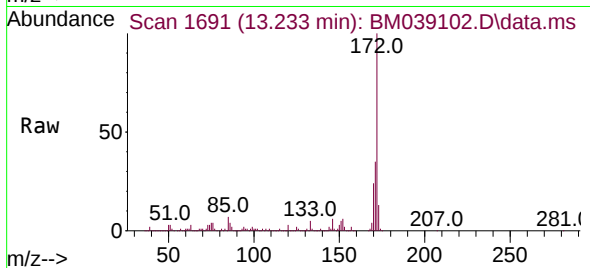
Tgt Ion:330	Resp: 616422
Ion Ratio	Lower Upper
330	100
332	96.1 77.4 116.0
141	39.2 32.2 48.4





#45
2-Fluorobiphenyl
Concen: 57.360 ng
RT: 13.233 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

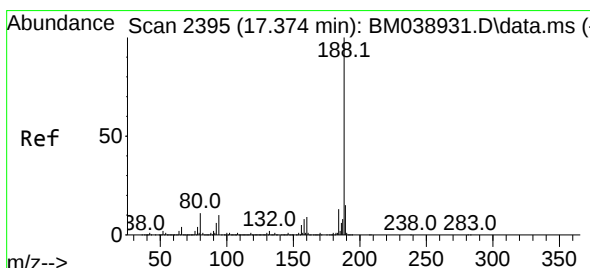
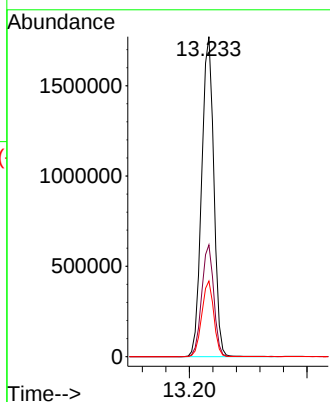
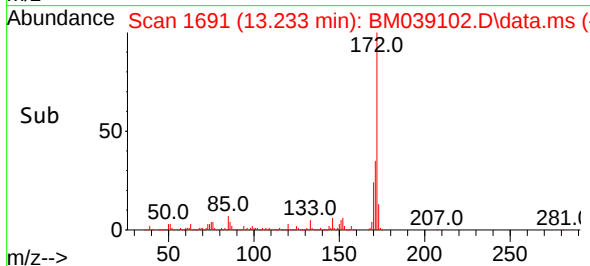
Instrument :
BNA_M
ClientSampleId :
SP-2



Tgt Ion:172 Resp: 2547794
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.1 28.7

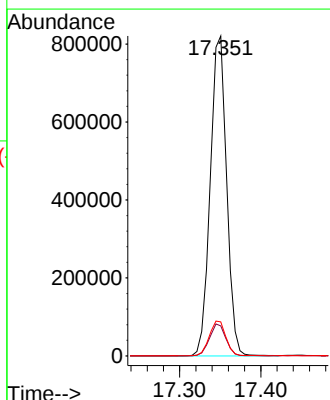
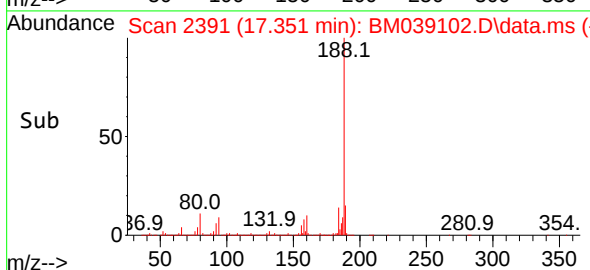
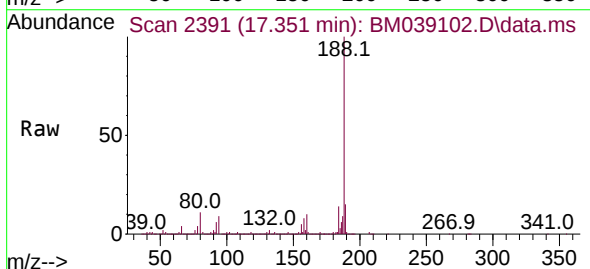
Manual Integrations
APPROVED

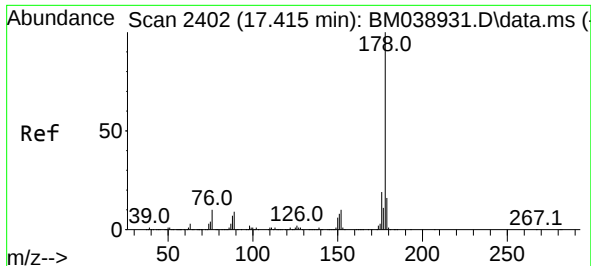
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

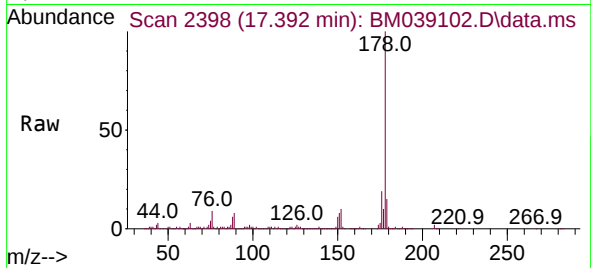
Tgt Ion:188 Resp: 1151319
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.6 8.5 12.7





#71
Phenanthrene
Concen: 6.479 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

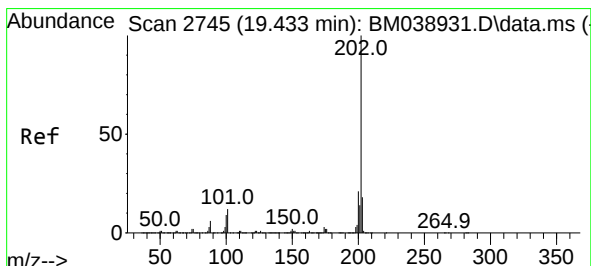
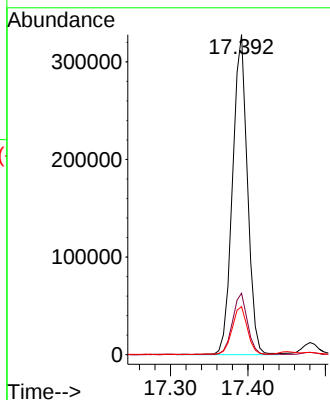
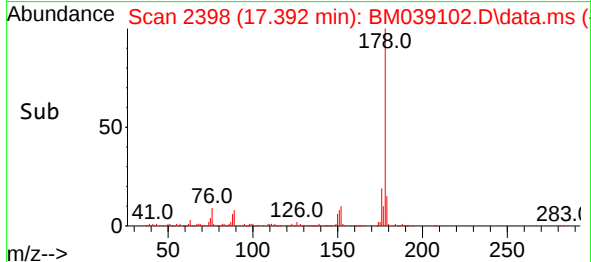
Instrument :
BNA_M
ClientSampleId :
SP-2



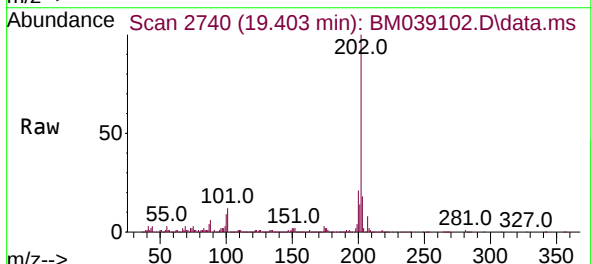
Tgt Ion:178 Resp: 437794
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.5 18.7

Manual Integrations
APPROVED

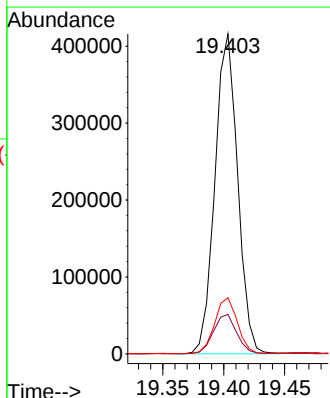
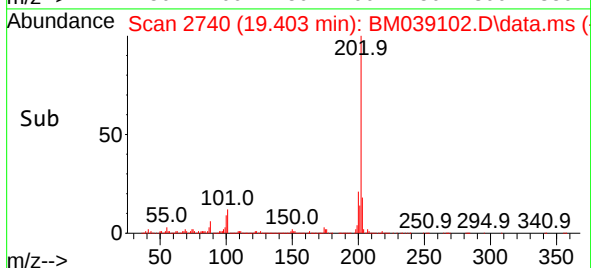
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

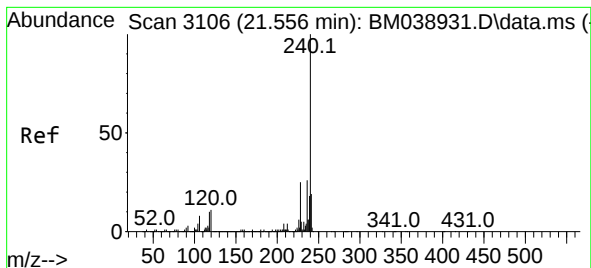


#75
Fluoranthene
Concen: 7.556 ng
RT: 19.403 min Scan# 2740
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22



Tgt Ion:202 Resp: 539054
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

SP-2

Tgt Ion:240 Resp: 1113870

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

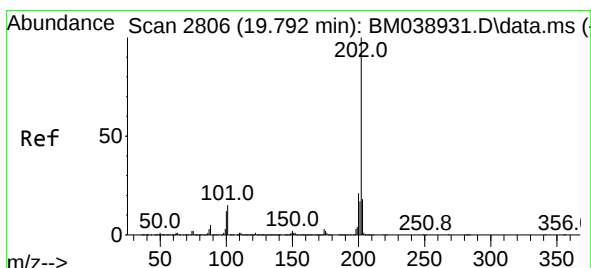
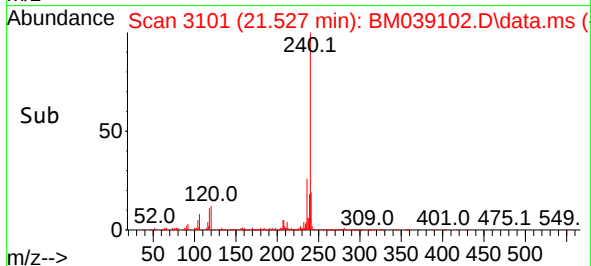
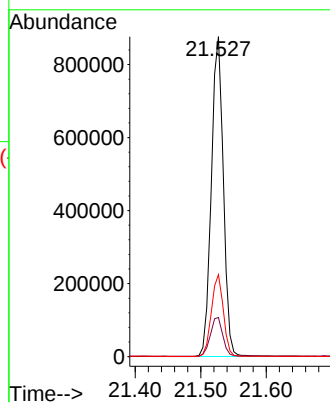
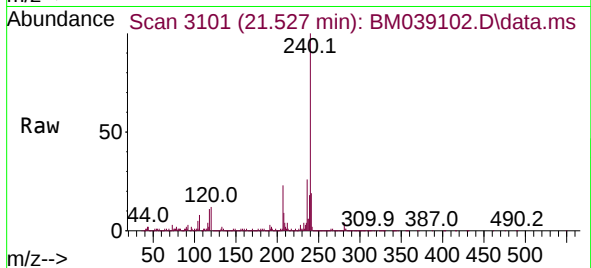
236 25.6 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#78

Pyrene

Concen: 5.556 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039102.D

Acq: 22 Mar 2023 21:22

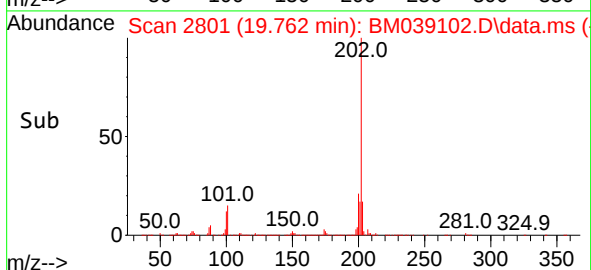
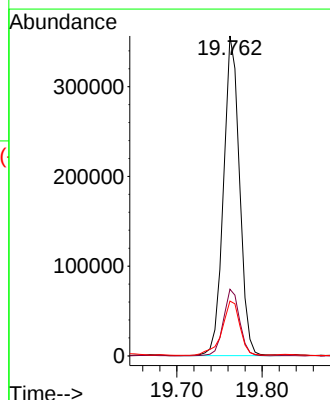
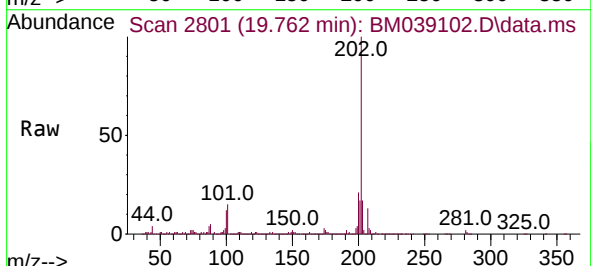
Tgt Ion:202 Resp: 464820

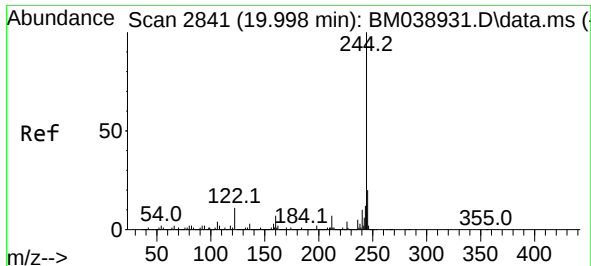
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

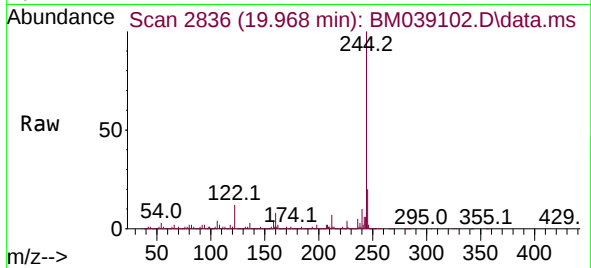
203 17.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 54.330 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039102.D
 Acq: 22 Mar 2023 21:22

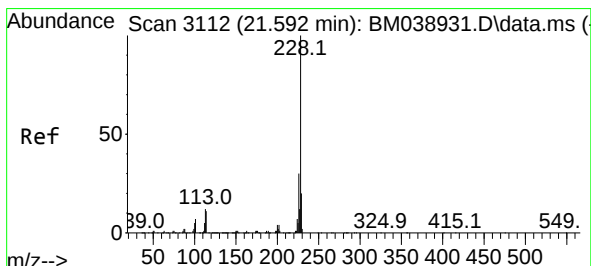
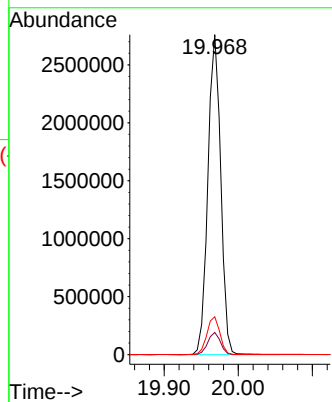
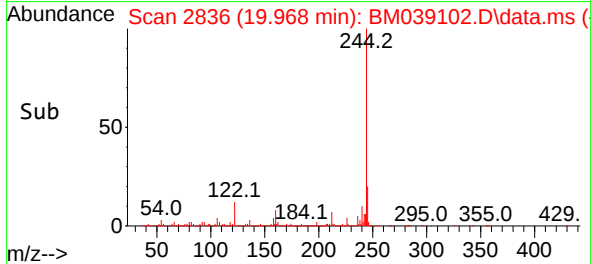
Instrument :
 BNA_M
 ClientSampleId :
 SP-2



Tgt Ion:244 Resp: 3309945
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 11.8 9.0 13.4

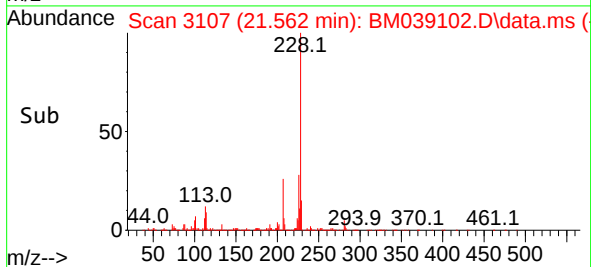
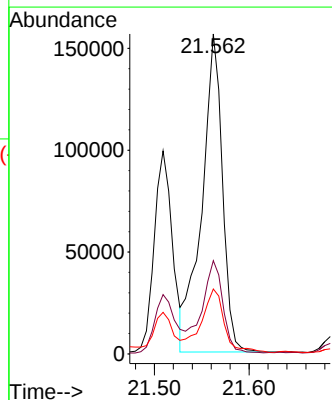
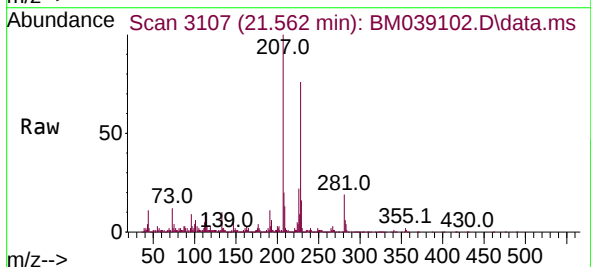
Manual Integrations
 APPROVED

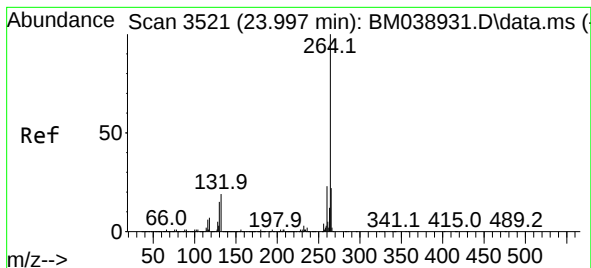
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#83
 Chrysene
 Concen: 3.032 ng
 RT: 21.562 min Scan# 3107
 Delta R.T. -0.006 min
 Lab File: BM039102.D
 Acq: 22 Mar 2023 21:22

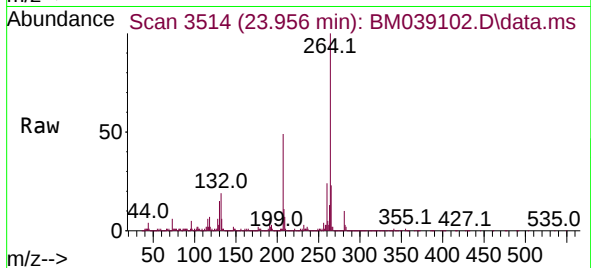
Tgt Ion:228 Resp: 236527
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.0 36.0
 229 20.3 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.956 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

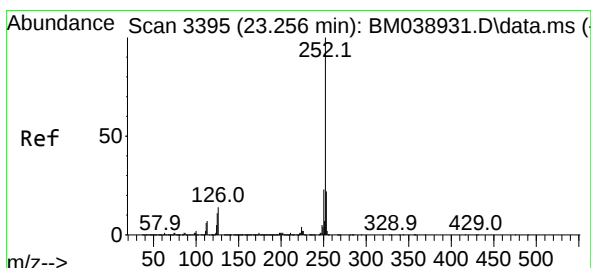
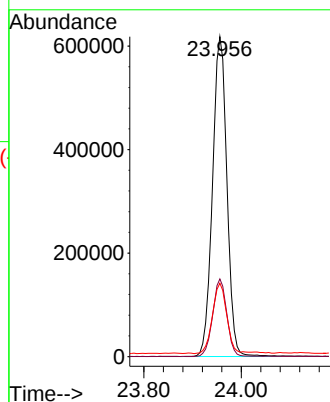
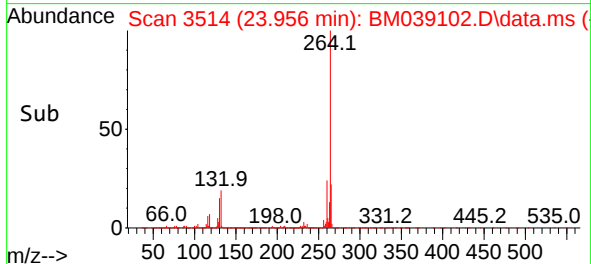
Instrument :
BNA_M
ClientSampleId :
SP-2



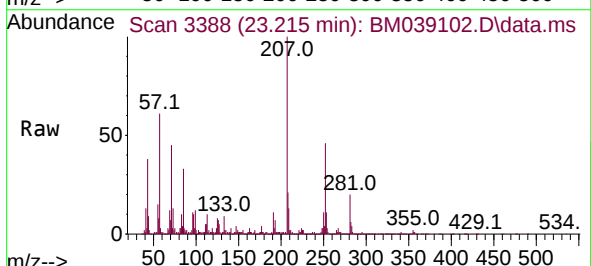
Tgt Ion:264 Resp: 1272859
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.9 17.9 26.9

Manual Integrations
APPROVED

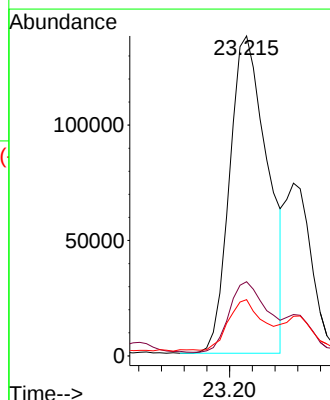
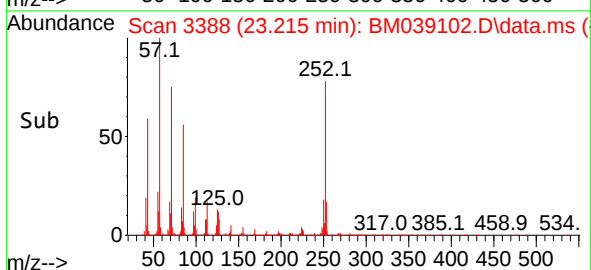
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

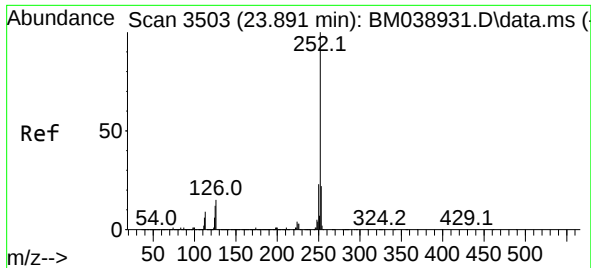


#88
Benzo(b)fluoranthene
Concen: 3.947 ng
RT: 23.215 min Scan# 3388
Delta R.T. -0.006 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22



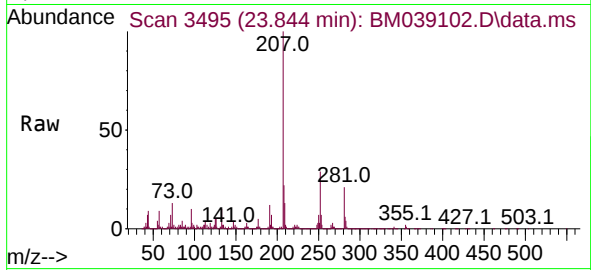
Tgt Ion:252 Resp: 320978
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 17.6 8.8 13.2#





#90
Benzo(a)pyrene
Concen: 2.201 ng
RT: 23.844 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM039102.D
Acq: 22 Mar 2023 21:22

Instrument :
BNA_M
ClientSampleId :
SP-2



Tgt Ion:252 Resp: 172226
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 15.8 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

