

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039499.D
 Acq On : 19 Apr 2023 17:29
 Operator : CG/JU
 Sample : 02296-14
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/20/2023

Quant Time: Apr 20 00:21:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	210513	20.000	ng/u1	0.00
20) Naphthalene-d8	10.654	136	960837	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.489	164	649529	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.236	188	1360242	20.000	ng/u1	0.00
79) Chrysene-d12	21.430	240	940446	20.000	ng/u1	0.00
88) Perylene-d12	23.795	264	877160	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.213	96	21190	3.864	ng/uL	0.00
4) Pyridine-d5	3.678	84	23095m	1.499	ng/u1	0.04
7) Phenol-d5	7.019	99	99661	5.173	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	349492	27.444	ng/u1	0.00
11) 2-Chlorophenol-d4	7.360	132	325382	21.529	ng/u1	0.00
15) 4-Methylphenol-d8	8.560	113	215474	13.883	ng/u1	0.00
21) Nitrobenzene-d5	9.001	128	243813	31.541	ng/u1	0.00
24) 2-Nitrophenol-d4	9.731	143	265215	30.554	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.290	165	418848	28.044	ng/u1	0.02
31) 4-Chloroaniline-d4	10.795	131	240777m	10.794	ng/u1	0.00
46) Dimethylphthalate-d6	13.907	166	1651183	31.521	ng/u1	0.00
49) Acenaphthylene-d8	14.177	160	1832165	31.133	ng/u1	0.00
54) 4-Nitrophenol-d4	14.742	143	43642	5.505	ng/u1	0.01
60) Fluorene-d10	15.483	176	1408933	32.829	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.619	200	215986	23.894	ng/u1	0.00
73) Anthracene-d10	17.336	188	2137483	32.675	ng/u1	0.00
81) Pyrene-d10	19.636	212	2306113	36.902	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.642	264	1574860	33.255	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.695	128	46578039m	876.151	ng/u1	
36) 2-Methylnaphthalene	12.301	142	156460	4.390	ng/u1	99
37) 1-Methylnaphthalene	12.536	142	10571976	295.193	ng/u1	98
43) 1,1'-Biphenyl	13.325	154	5063898	100.881	ng/u1	99
50) Acenaphthylene	14.207	152	166973	2.652	ng/u1#	75
52) Acenaphthene	14.566	153	9496067	219.102	ng/u1	99
56) Dibenzofuran	14.895	168	11921246	202.366	ng/u1	98
61) Fluorene	15.536	166	229897	4.718	ng/u1#	82
72) Phenanthrene	17.283	178	6224018	82.419	ng/u1	99
77) Carbazole	17.660	167	7846573	116.556	ng/u1	99
80) Fluoranthene	19.301	202	136974	1.870	ng/u1	98

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

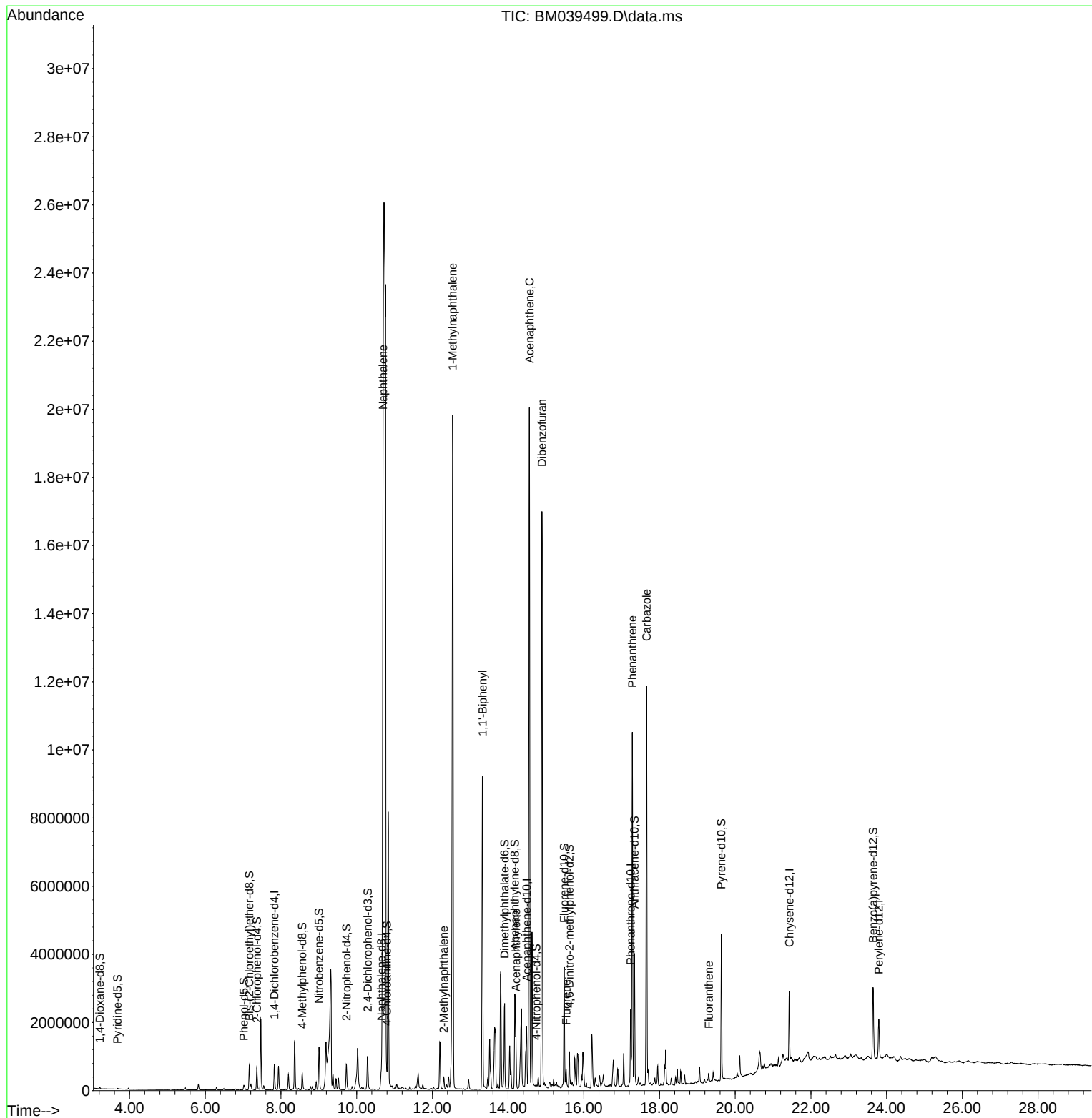
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039499.D
Acq On : 19 Apr 2023 17:29
Operator : CG/JU
Sample : 02296-14
Misc :
ALS Vial : 51 Sample Multiplier: 1

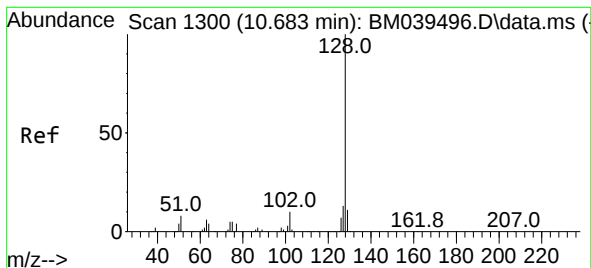
Instrument :
BNA_M
ClientSampleId :
DCBL8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

Quant Time: Apr 20 00:21:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
Response via : Initial Calibration





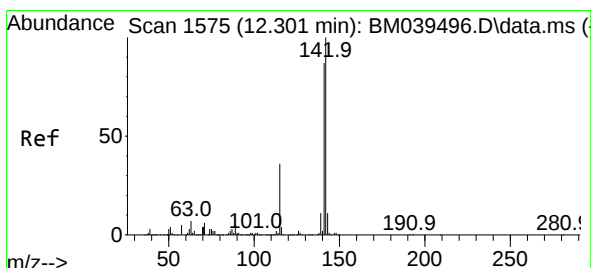
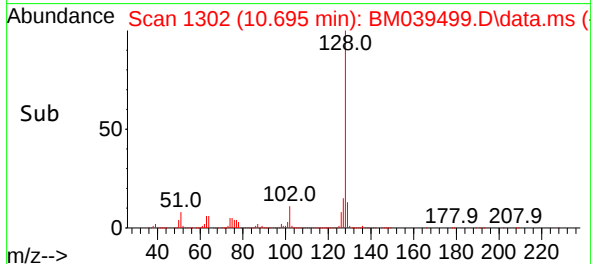
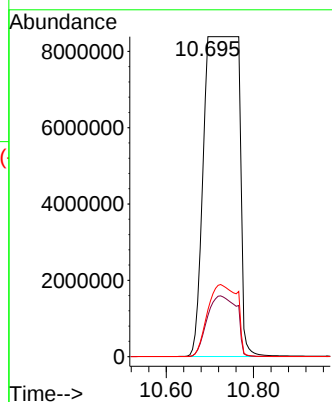
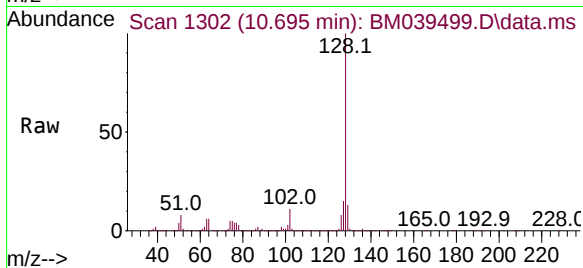
#30
Naphthalene
Concen: 876.151 ng/ul m
RT: 10.695 min Scan# 1300
Delta R.T. 0.009 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29

Instrument :
BNA_M
ClientSampleId :
DCBL8

Tgt Ion:128 Resp:46578039
Ion Ratio Lower Upper
128 100
129 12.8 8.9 13.3
127 14.6 10.5 15.7

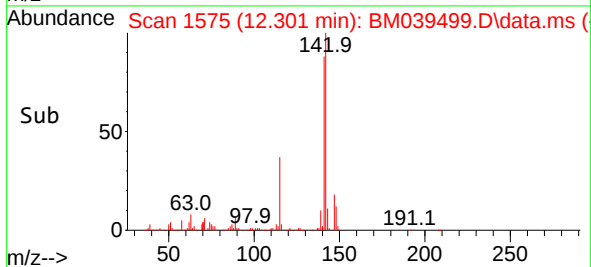
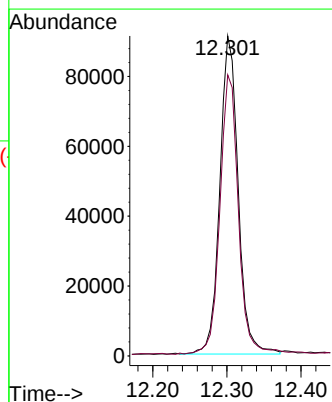
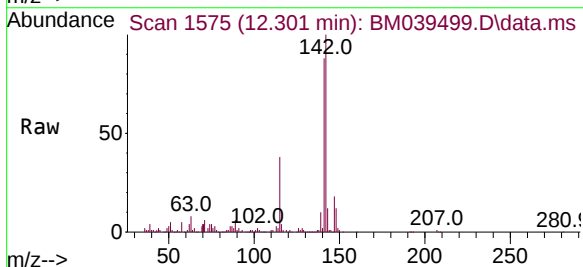
Manual Integrations
APPROVED

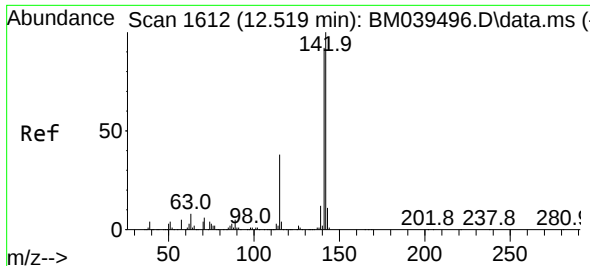
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



#36
2-Methylnaphthalene
Concen: 4.390 ng/ul
RT: 12.301 min Scan# 1575
Delta R.T. -0.003 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29

Tgt Ion:142 Resp: 156460
Ion Ratio Lower Upper
142 100
141 87.8 71.1 106.7





#37

1-Methylnaphthalene

Concen: 295.193 ng/ul

RT: 12.536 min Scan# 1615

Delta R.T. 0.015 min

Lab File: BM039499.D

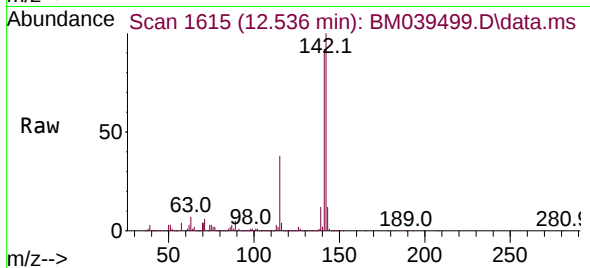
Acq: 19 Apr 2023 17:29

Instrument :

BNA_M

ClientSampleId :

DCBL8



Tgt Ion:142 Resp:10571976

Ion Ratio Lower Upper

142 100

141 91.9 72.0 108.0

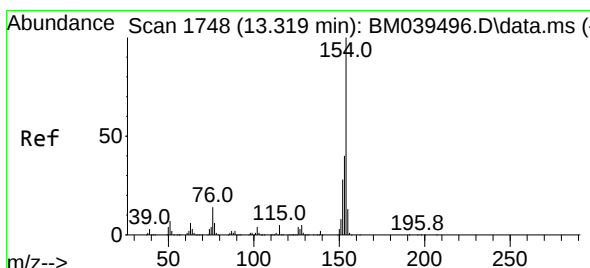
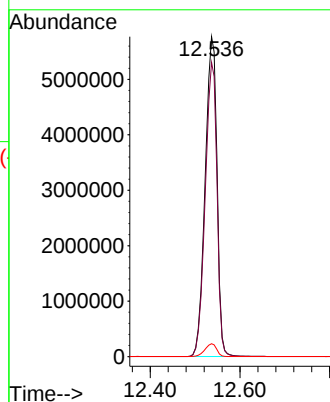
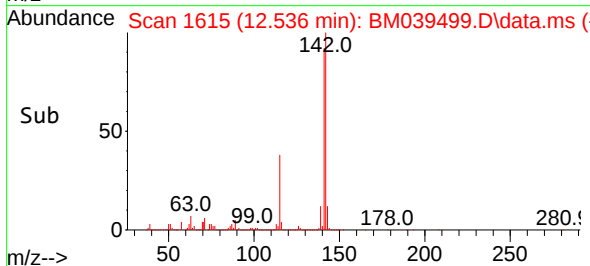
116 4.0 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/20/2023



#43

1,1'-Biphenyl

Concen: 100.881 ng/ul

RT: 13.325 min Scan# 1749

Delta R.T. 0.003 min

Lab File: BM039499.D

Acq: 19 Apr 2023 17:29

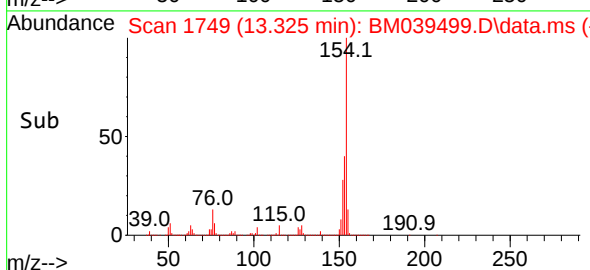
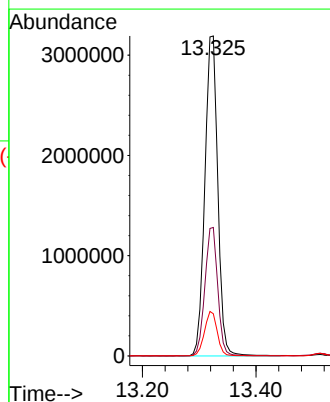
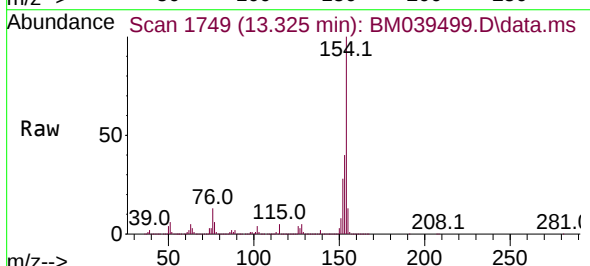
Tgt Ion:154 Resp: 5063898

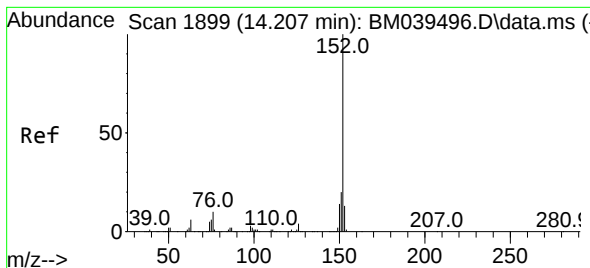
Ion Ratio Lower Upper

154 100

153 40.1 31.9 47.9

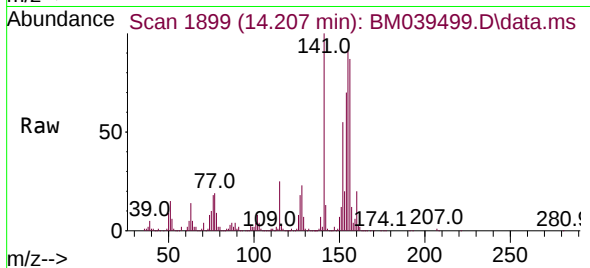
76 13.2 11.5 17.3





#50
Acenaphthylene
Concen: 2.652 ng/ul
RT: 14.207 min Scan# 1899
Delta R.T. -0.003 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29

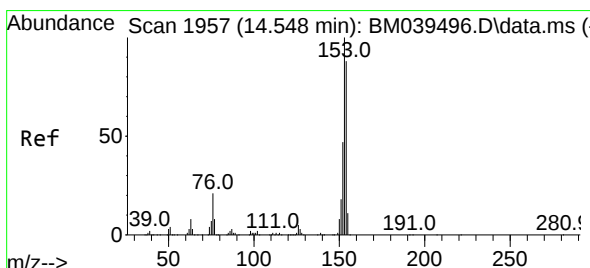
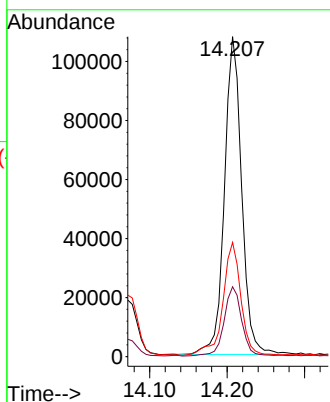
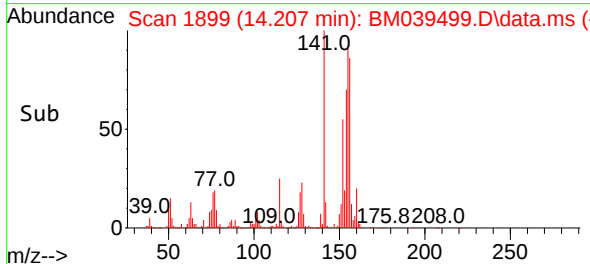
Instrument : BNA_M
ClientSampleId : DCBL8



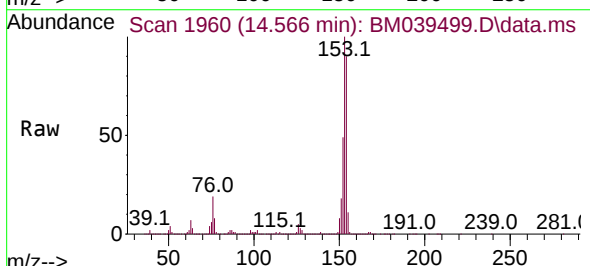
Tgt Ion:152 Resp: 166973
Ion Ratio Lower Upper
152 100
151 21.8 15.8 23.8
153 35.7 10.4 15.6

Manual Integrations
APPROVED

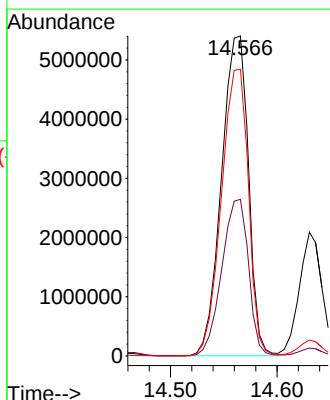
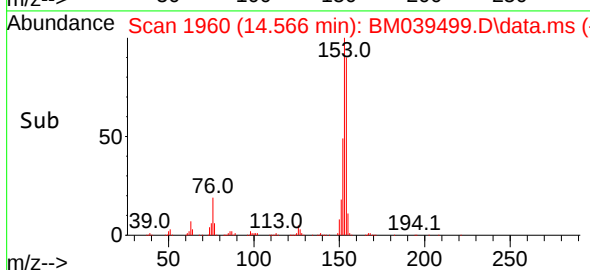
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

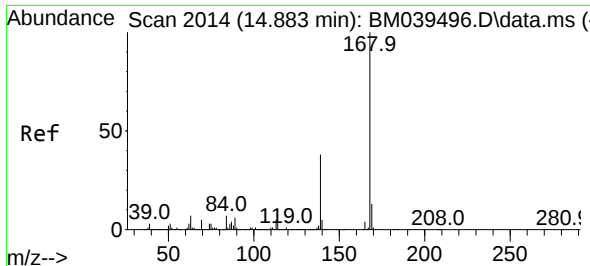


#52
Acenaphthene
Concen: 219.102 ng/ul
RT: 14.566 min Scan# 1960
Delta R.T. 0.015 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29



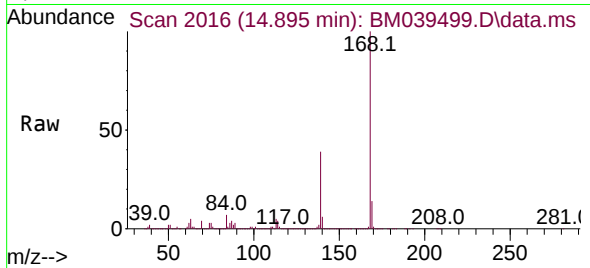
Tgt Ion:153 Resp: 9496067
Ion Ratio Lower Upper
153 100
152 48.9 38.2 57.4
154 89.6 71.0 106.4





#56
Dibenzofuran
Concen: 202.366 ng/ul
RT: 14.895 min Scan# 2016
Delta R.T. 0.009 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29

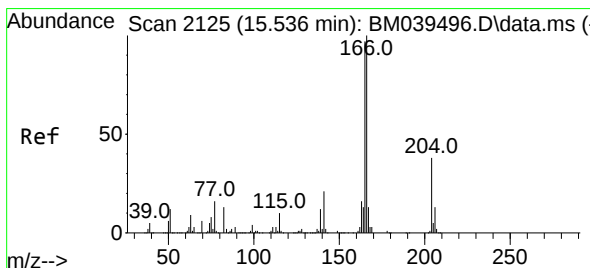
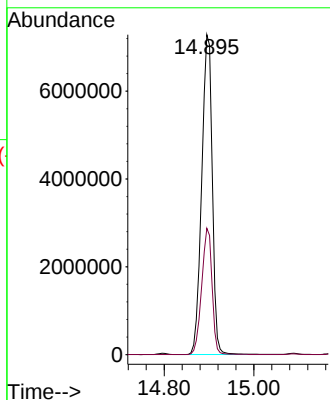
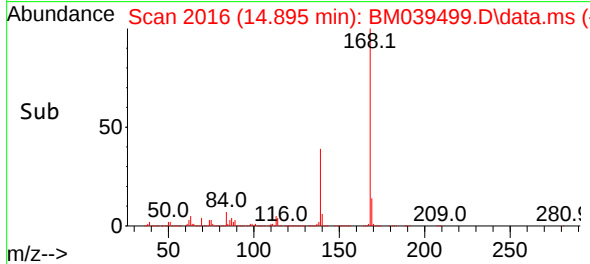
Instrument :
BNA_M
ClientSampleId :
DCBL8



Tgt Ion:168 Resp:11921246
Ion Ratio Lower Upper
168 100
139 39.5 30.7 46.1

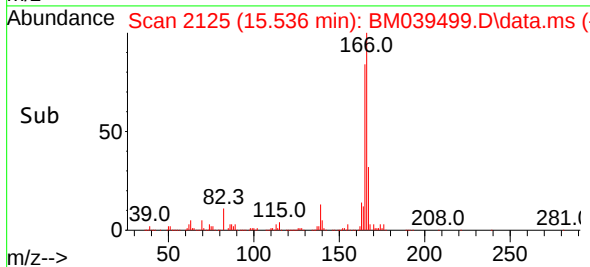
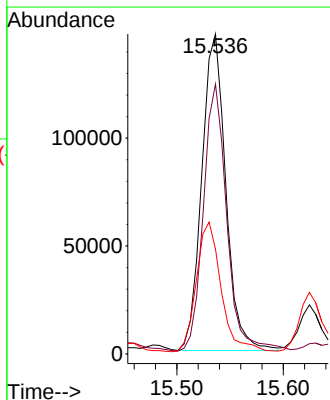
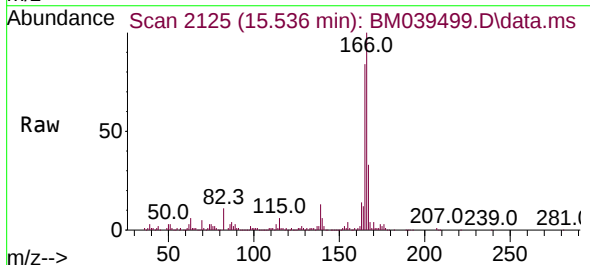
Manual Integrations
APPROVED

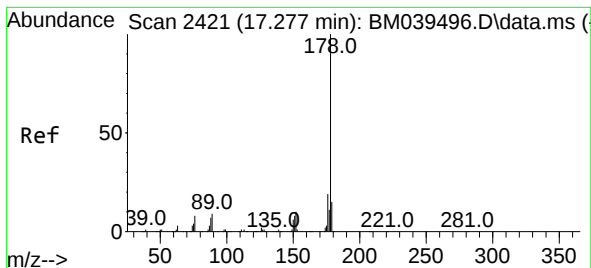
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



#61
Fluorene
Concen: 4.718 ng/ul
RT: 15.536 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BM039499.D
Acq: 19 Apr 2023 17:29

Tgt Ion:166 Resp: 229897
Ion Ratio Lower Upper
166 100
165 84.3 78.2 117.2
167 32.8 10.7 16.1#





#72

Phenanthrene

Concen: 82.419 ng/ul

RT: 17.283 min Scan# 2421

Delta R.T. 0.003 min

Lab File: BM039499.D

Acq: 19 Apr 2023 17:29

Instrument :

BNA_M

ClientSampleId :

DCBL8

Tgt Ion:178 Resp: 6224018

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

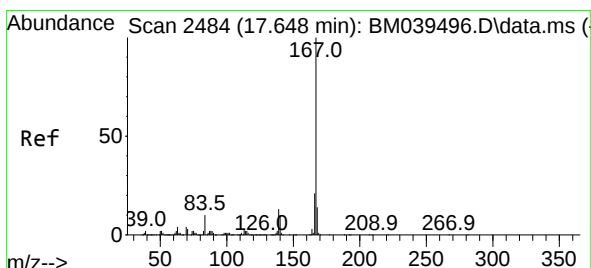
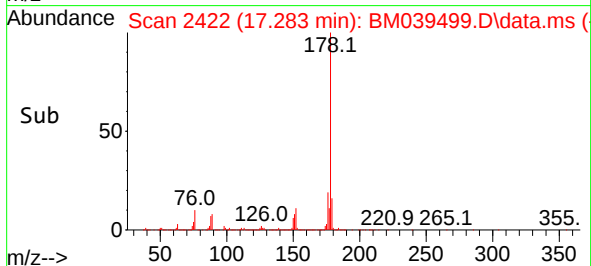
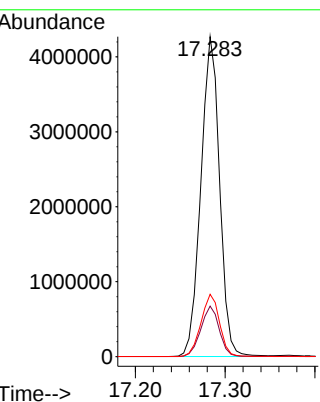
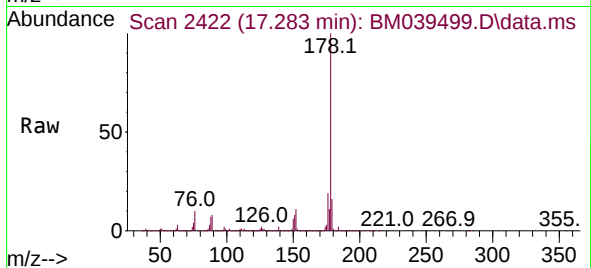
176 19.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/20/2023



#77

Carbazole

Concen: 116.556 ng/ul

RT: 17.660 min Scan# 2486

Delta R.T. 0.009 min

Lab File: BM039499.D

Acq: 19 Apr 2023 17:29

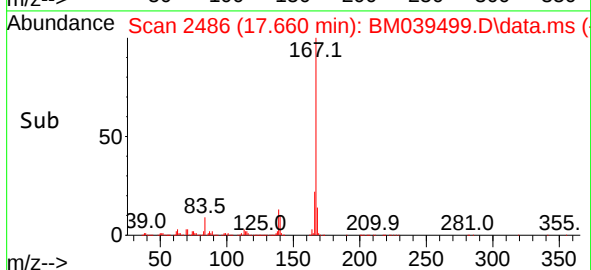
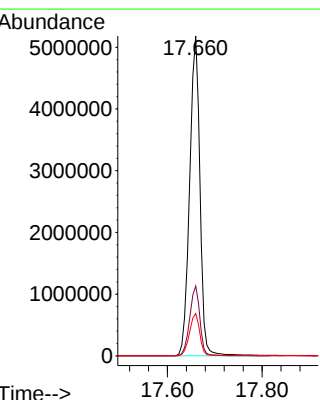
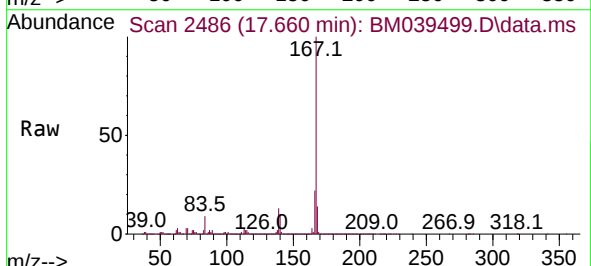
Tgt Ion:167 Resp: 7846573

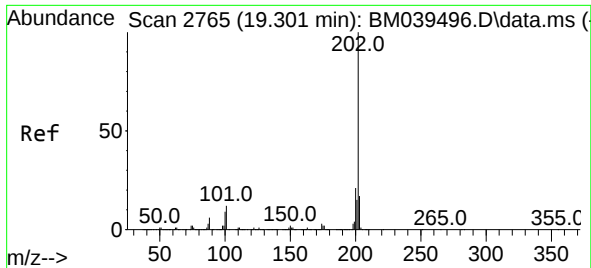
Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

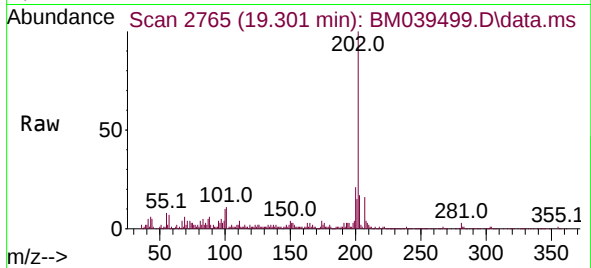
139 13.2 10.6 15.8





#80
 Fluoranthene
 Concen: 1.870 ng/ul
 RT: 19.301 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BM039499.D
 Acq: 19 Apr 2023 17:29

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8



Tgt Ion:202 Resp: 136974
 Ion Ratio Lower Upper
 202 100
 101 11.5 10.4 15.6
 100 9.7 7.7 11.5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023

