

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039501.D
 Acq On : 19 Apr 2023 18:41
 Operator : CG/JU
 Sample : 02296-15DL 30X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBM0DL

Quant Time: Apr 20 00:52:49 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	179762	20.000	ng/u1	0.00
20) Naphthalene-d8	10.648	136	827584m	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.489	164	490017	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.242	188	919277	20.000	ng/u1	0.00
79) Chrysene-d12	21.430	240	769165	20.000	ng/u1	0.00
88) Perylene-d12	23.794	264	840352	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.043	99	2035	0.124	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.172	67	8673	0.798	ng/u1	0.00
11) 2-Chlorophenol-d4	7.378	132	8298	0.643	ng/u1	0.01
15) 4-Methylphenol-d8	8.584	113	4846	0.366	ng/u1	0.02
21) Nitrobenzene-d5	9.013	128	15440	2.319	ng/u1	0.01
24) 2-Nitrophenol-d4	9.731	143	5498	0.735	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.301	165	9506	0.739	ng/u1	0.03
31) 4-Chloroaniline-d4	10.789	131	39844	2.074	ng/u1	0.00
46) Dimethylphthalate-d6	13.901	166	51174	1.295	ng/u1	0.00
49) Acenaphthylene-d8	14.177	160	46098	1.038	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.483	176	35514	1.097	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.342	188	52863	1.196	ng/u1	0.00
81) Pyrene-d10	19.636	212	58965	1.154	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.641	264	51173	1.128	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.695	128	33430127m	730.085	ng/u1	
36) 2-Methylnaphthalene	12.325	142	17333055	564.667	ng/u1	100
37) 1-Methylnaphthalene	12.536	142	8789191	284.929	ng/u1	98
43) 1,1'-Biphenyl	13.319	154	5488790	144.940	ng/u1	99
50) Acenaphthylene	14.207	152	271210	5.711	ng/u1#	80
52) Acenaphthene	14.566	153	13661730	417.827	ng/u1	99
56) Dibenzofuran	14.901	168	13506009	303.900	ng/u1	99
61) Fluorene	15.548	166	10195993	277.343	ng/u1	100
72) Phenanthrene	17.377	178	3567578	69.903	ng/u1	98
74) Anthracene	17.377	178	3567578	69.680	ng/u1	99
77) Carbazole	17.648	167	1580983	34.750	ng/u1	99
80) Fluoranthene	19.306	202	10131518	169.119	ng/u1	98
82) Pyrene	19.671	202	6938431	111.878	ng/u1	96
85) Benzo(a)anthracene	21.412	228	1126313	20.246	ng/u1	99
87) Chrysene	21.465	228	926665	17.462	ng/u1	97
90) Benzo(b)fluoranthene	23.077	252	440034	7.442	ng/u1	97
91) Benzo(k)fluoranthene	23.118	252	158277m	2.726	ng/u1	
93) Benzo(a)pyrene	23.689	252	229140	4.597	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.241	276	63607	1.160	ng/u1	96
96) Benzo(g,h,i)perylene	27.000	276	51277	1.174	ng/u1	95

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

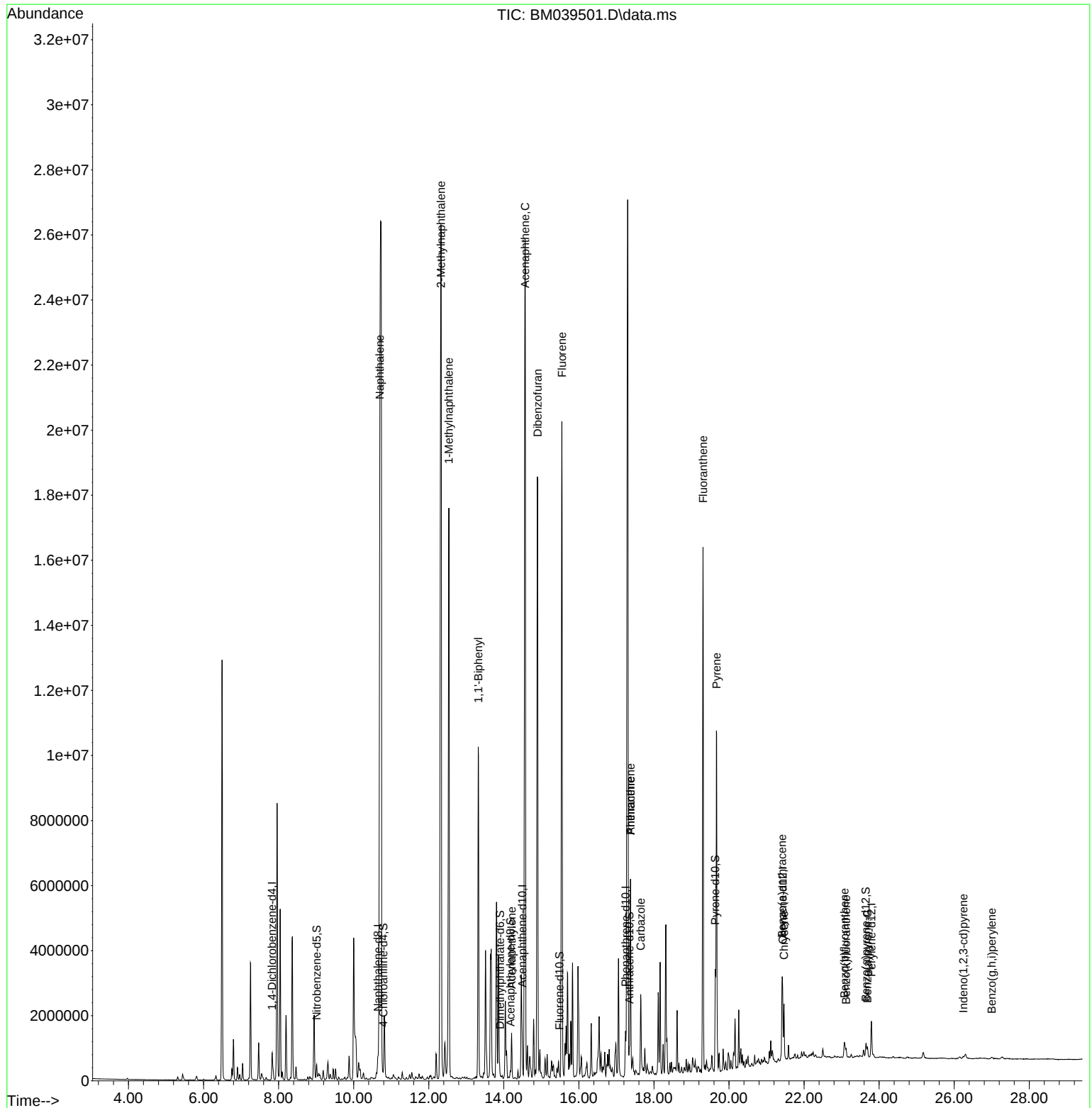
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039501.D
Acq On : 19 Apr 2023 18:41
Operator : CG/JU
Sample : 02296-15DL 30X
Misc :
ALS Vial : 62 Sample Multiplier: 1

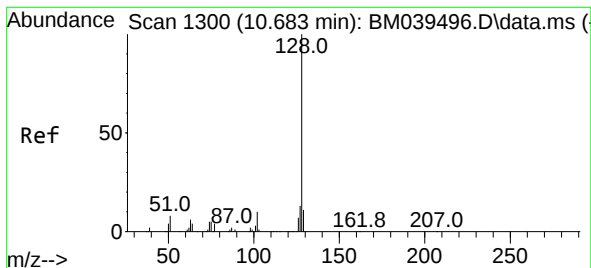
Instrument :
BNA_M
ClientSampleId :
DCBM0DL

Quant Time: Apr 20 00:52:49 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

Manual Integrations
APPROVED

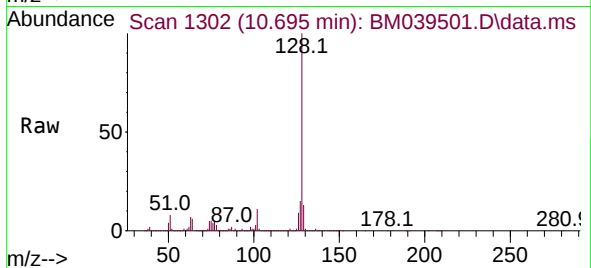
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023





#30
Naphthalene
Concen: 730.085 ng/ul m
RT: 10.695 min Scan# 1302
Delta R.T. 0.009 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

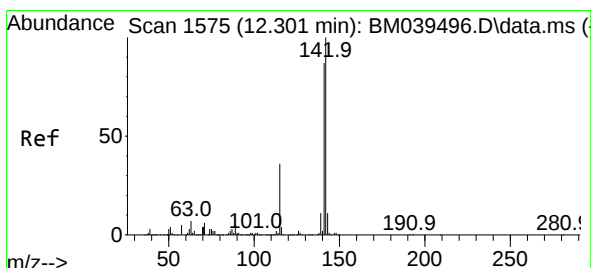
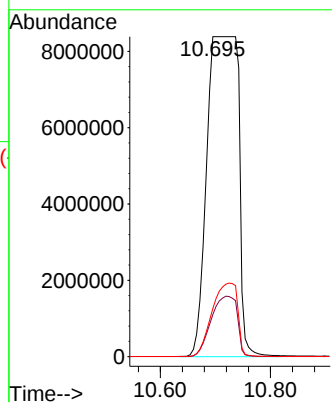
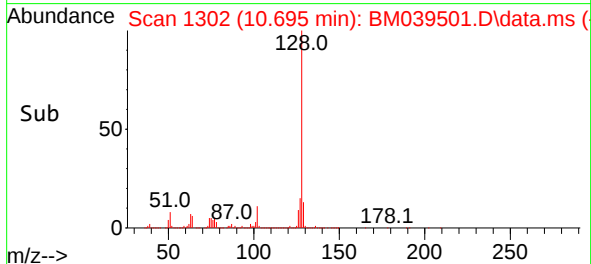
Instrument :
BNA_M
ClientSampleId :
DCBM0DL



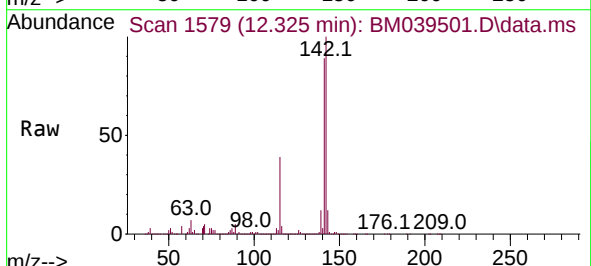
Tgt Ion:128 Resp:33430127
Ion Ratio Lower Upper
128 100
129 13.1 8.9 13.3
127 15.1 10.5 15.7

Manual Integrations
APPROVED

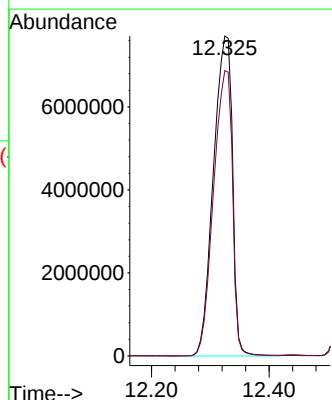
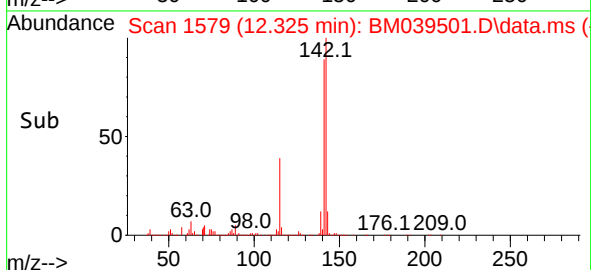
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

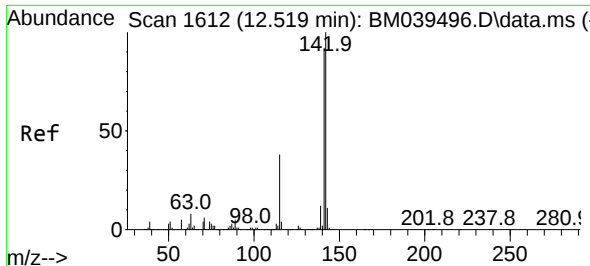


#36
2-Methylnaphthalene
Concen: 564.667 ng/ul
RT: 12.325 min Scan# 1579
Delta R.T. 0.021 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41



Tgt Ion:142 Resp:17333055
Ion Ratio Lower Upper
142 100
141 89.2 71.1 106.7





#37

1-Methylnaphthalene

Concen: 284.929 ng/ul

RT: 12.536 min Scan# 1615

Delta R.T. 0.015 min

Lab File: BM039501.D

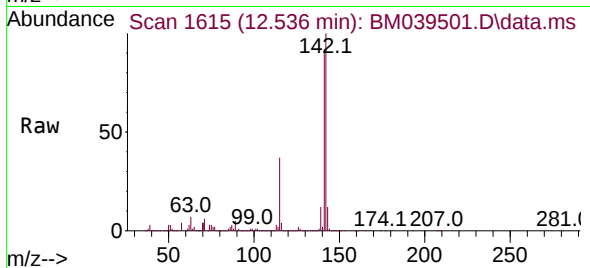
Acq: 19 Apr 2023 18:41

Instrument :

BNA_M

ClientSampleId :

DCBM0DL



Tgt Ion:142 Resp: 878919

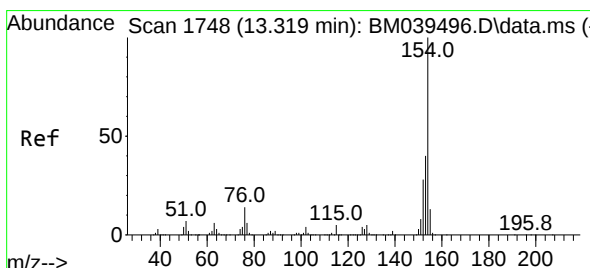
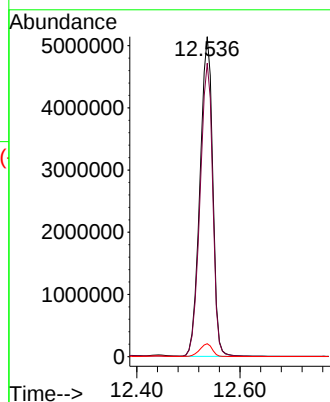
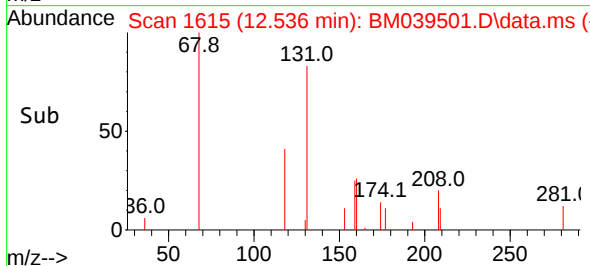
Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.0	108.0
116	4.0	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/20/2023



#43

1,1'-Biphenyl

Concen: 144.940 ng/ul

RT: 13.319 min Scan# 1748

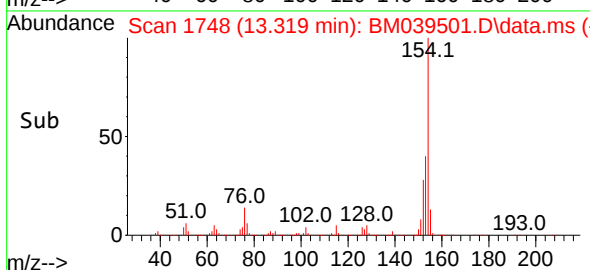
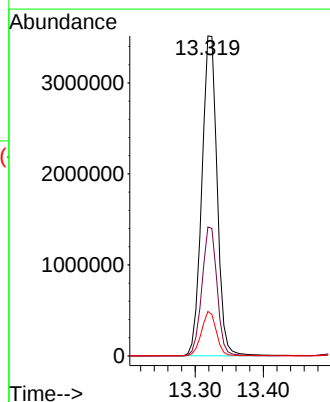
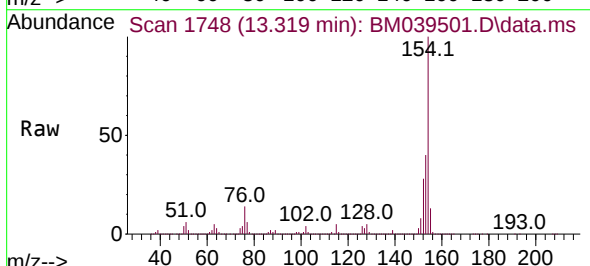
Delta R.T. -0.003 min

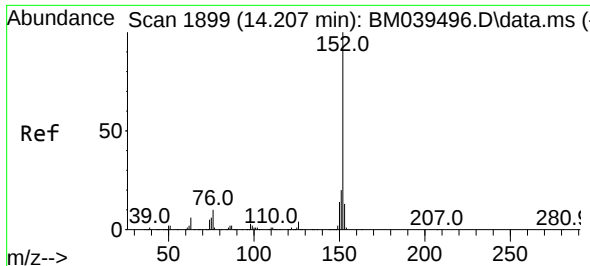
Lab File: BM039501.D

Acq: 19 Apr 2023 18:41

Tgt Ion:154 Resp: 5488790

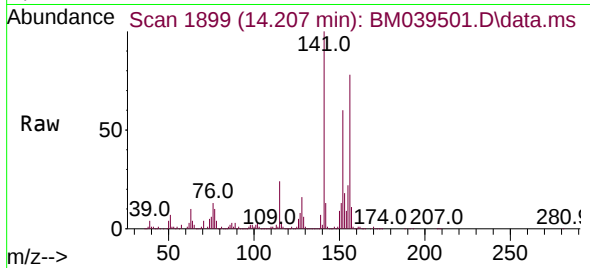
Ion	Ratio	Lower	Upper
154	100		
153	40.3	31.9	47.9
76	13.9	11.5	17.3





#50
Acenaphthylene
Concen: 5.711 ng/ul
RT: 14.207 min Scan# 1899
Delta R.T. -0.003 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

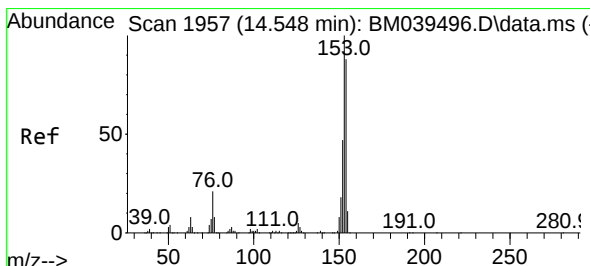
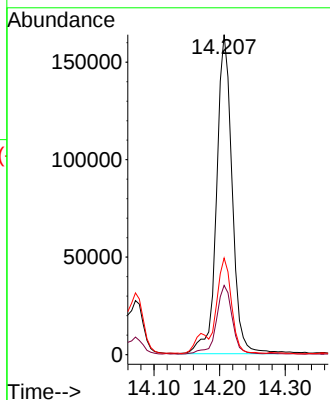
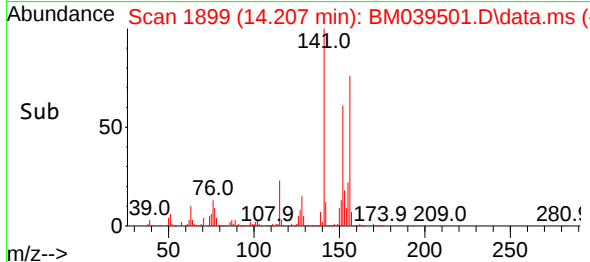
Instrument :
BNA_M
ClientSampleId :
DCBM0DL



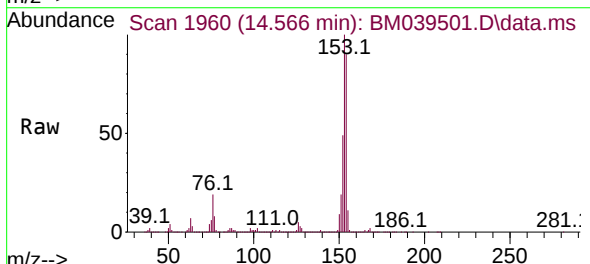
Tgt Ion:152 Resp: 271210
Ion Ratio Lower Upper
152 100
151 21.6 15.8 23.8
153 30.2 10.4 15.6

Manual Integrations
APPROVED

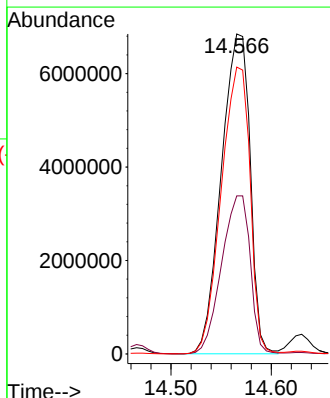
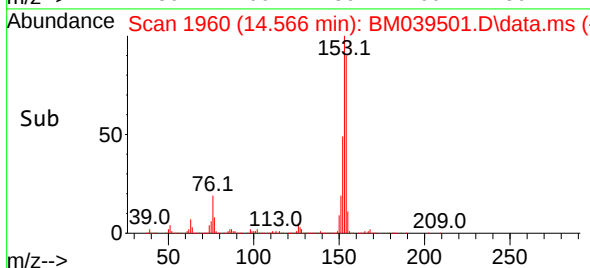
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

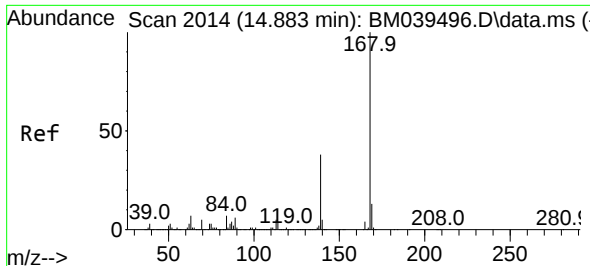


#52
Acenaphthene
Concen: 417.827 ng/ul
RT: 14.566 min Scan# 1960
Delta R.T. 0.015 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41



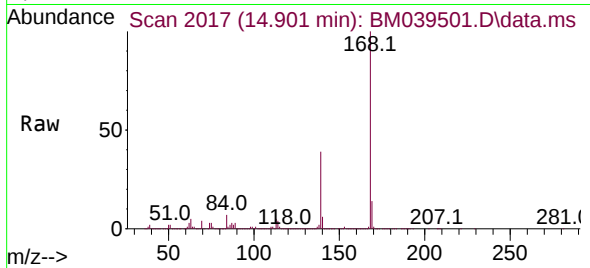
Tgt Ion:153 Resp:13661730
Ion Ratio Lower Upper
153 100
152 49.4 38.2 57.4
154 89.6 71.0 106.4





#56
Dibenzofuran
Concen: 303.900 ng/ul
RT: 14.901 min Scan# 2017
Delta R.T. 0.015 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

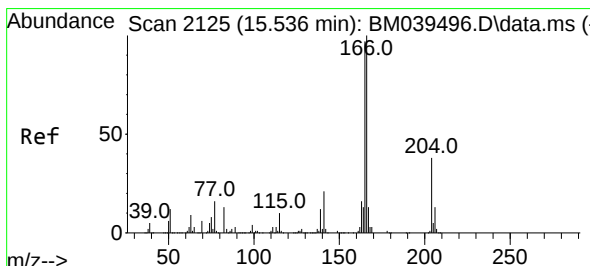
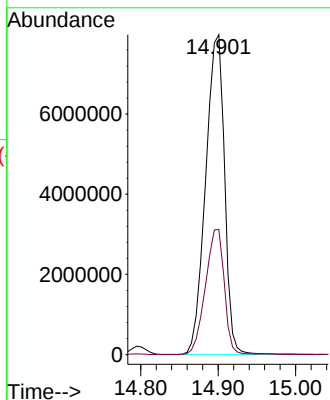
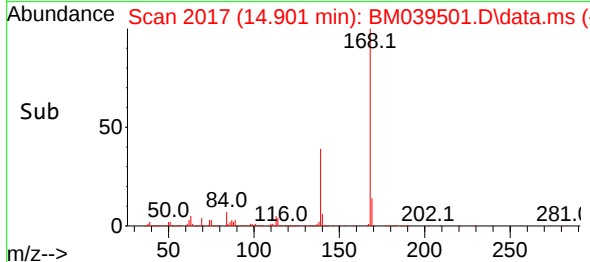
Instrument :
BNA_M
ClientSampleId :
DCBM0DL



Tgt Ion:168 Resp:13506009
Ion Ratio Lower Upper
168 100
139 39.1 30.7 46.1

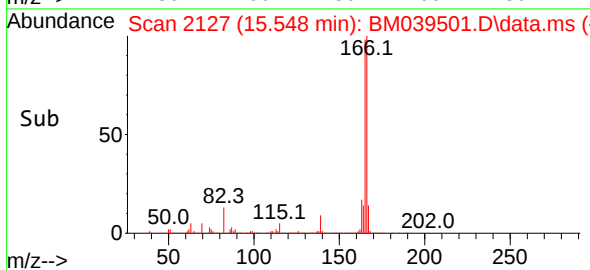
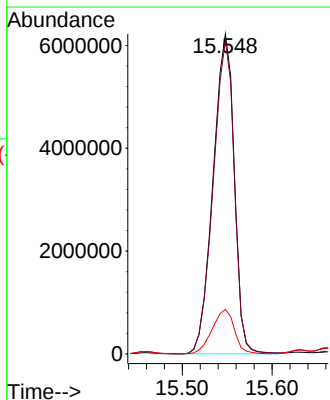
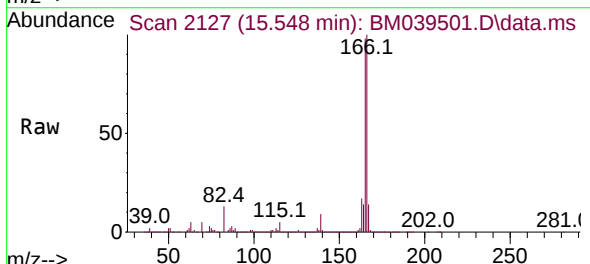
Manual Integrations
APPROVED

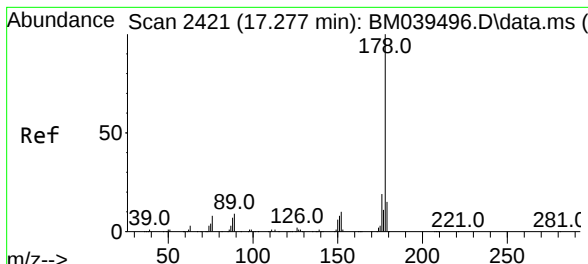
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



#61
Fluorene
Concen: 277.343 ng/ul
RT: 15.548 min Scan# 2127
Delta R.T. 0.009 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

Tgt Ion:166 Resp:10195993
Ion Ratio Lower Upper
166 100
165 97.9 78.2 117.2
167 14.0 10.7 16.1





#72
 Phenanthrene
 Concen: 69.903 ng/u1
 RT: 17.377 min Scan# 2421
 Delta R.T. 0.097 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41

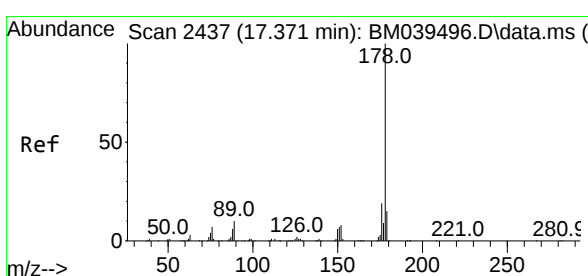
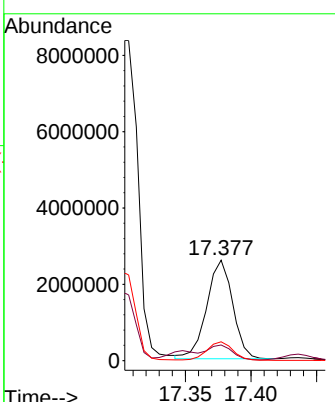
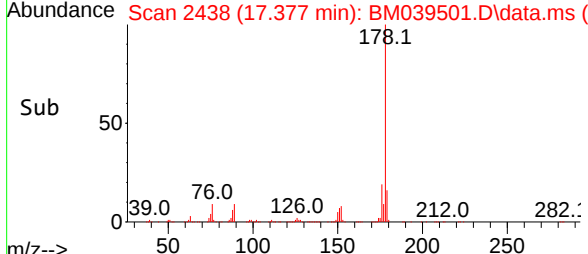
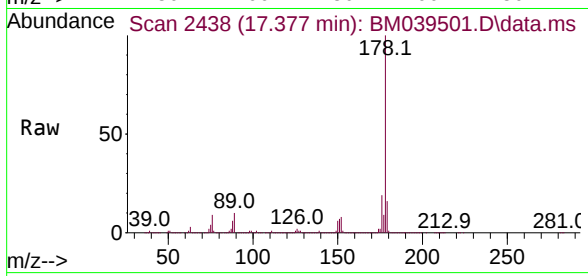
Instrument :
 BNA_M
 ClientSampleId :
 DCBM0DL

Tgt Ion:178 Resp: 3567578

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.4
176	18.7	15.8	23.8

Manual Integrations
 APPROVED

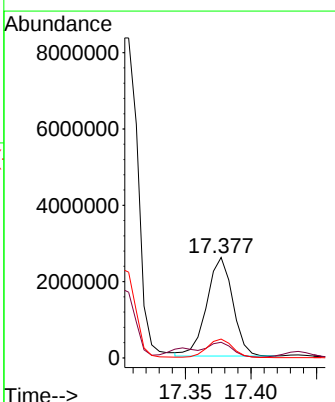
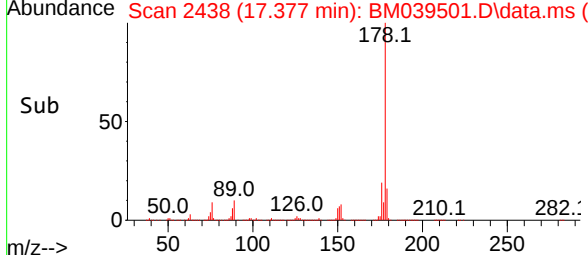
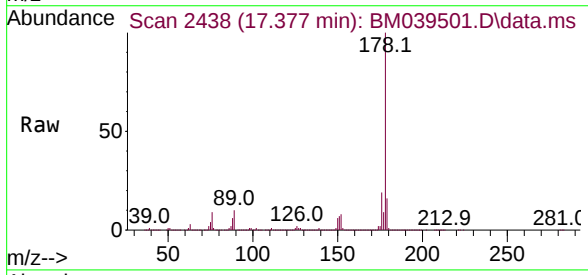
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023

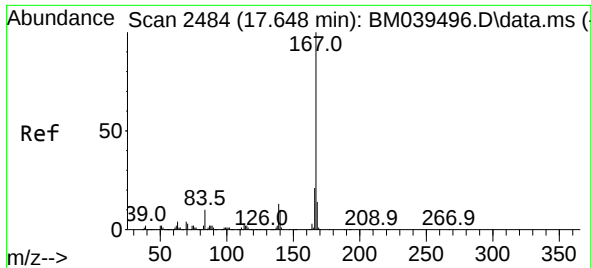


#74
 Anthracene
 Concen: 69.680 ng/u1
 RT: 17.377 min Scan# 2438
 Delta R.T. 0.003 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41

Tgt Ion:178 Resp: 3567578

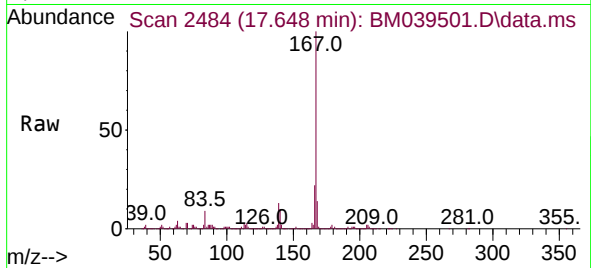
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.7	15.0	22.6





#77
 Carbazole
 Concen: 34.750 ng/ul
 RT: 17.648 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41

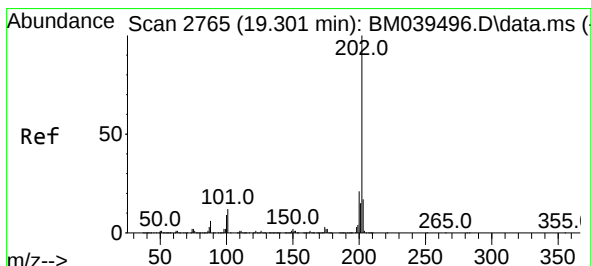
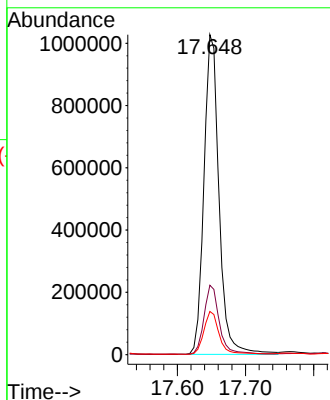
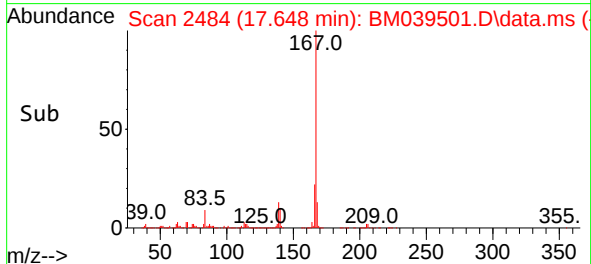
Instrument :
 BNA_M
 ClientSampleId :
 DCBM0DL



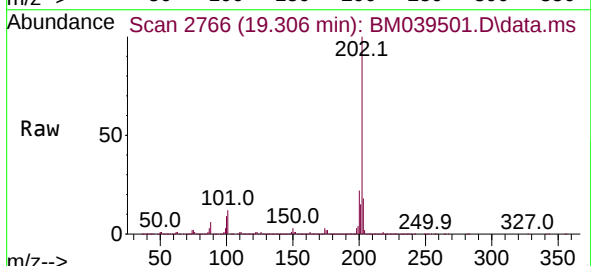
Tgt Ion:167 Resp: 1580983
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 13.5 10.6 15.8

Manual Integrations
 APPROVED

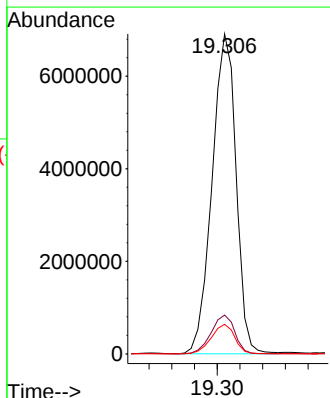
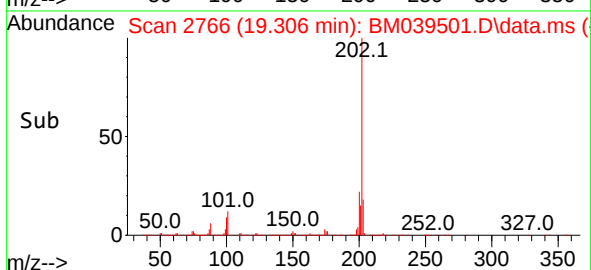
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023

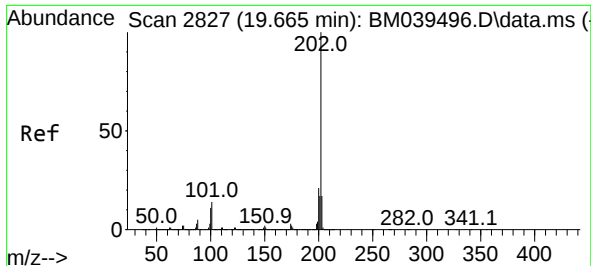


#80
 Fluoranthene
 Concen: 169.119 ng/ul
 RT: 19.306 min Scan# 2766
 Delta R.T. 0.009 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41



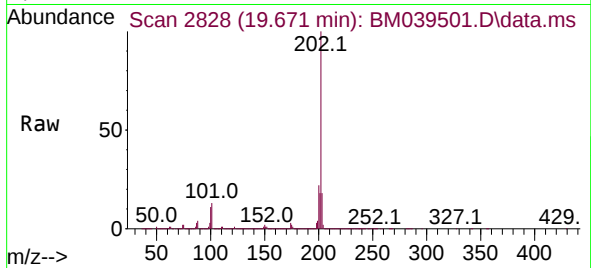
Tgt Ion:202 Resp:10131518
 Ion Ratio Lower Upper
 202 100
 101 12.1 10.4 15.6
 100 9.2 7.7 11.5





#82
 Pyrene
 Concen: 111.878 ng/ul
 RT: 19.671 min Scan# 2827
 Delta R.T. 0.009 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41

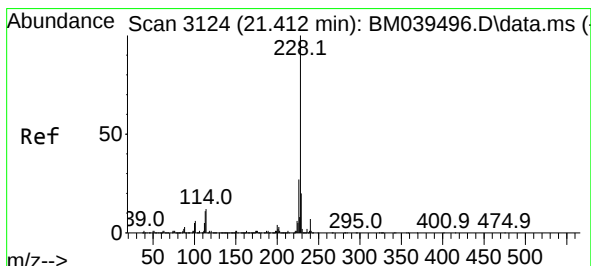
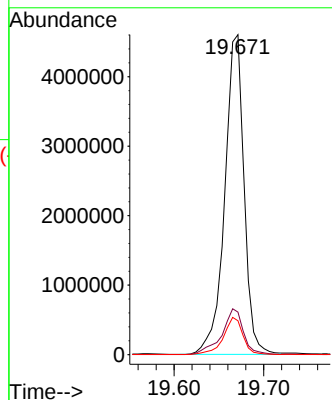
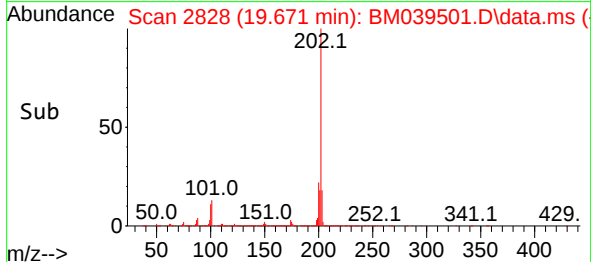
Instrument :
 BNA_M
 ClientSampleId :
 DCBM0DL



Tgt Ion:202 Resp: 693843
 Ion Ratio Lower Upper
 202 100
 101 13.3 12.1 18.1
 100 10.6 9.6 14.4

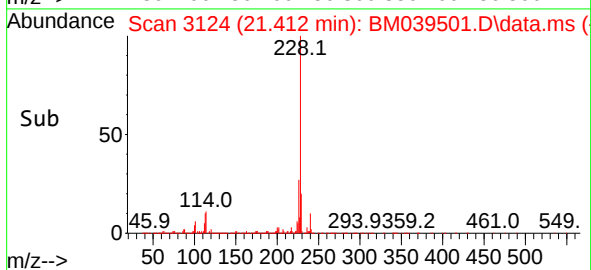
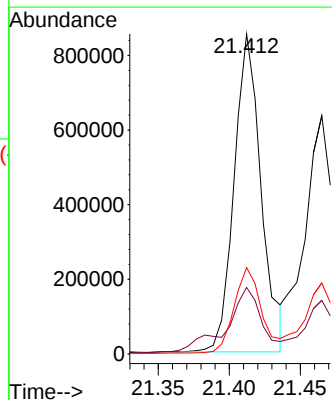
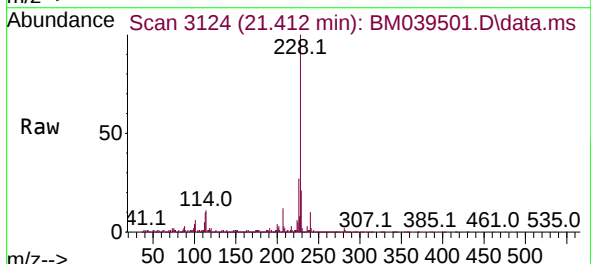
Manual Integrations
 APPROVED

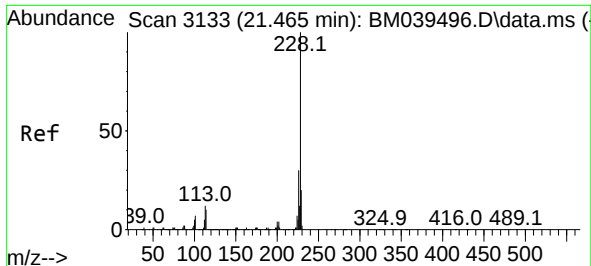
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



#85
 Benzo(a)anthracene
 Concen: 20.246 ng/ul
 RT: 21.412 min Scan# 3124
 Delta R.T. -0.003 min
 Lab File: BM039501.D
 Acq: 19 Apr 2023 18:41

Tgt Ion:228 Resp: 1126313
 Ion Ratio Lower Upper
 228 100
 229 20.8 15.4 23.2
 226 27.0 21.6 32.4





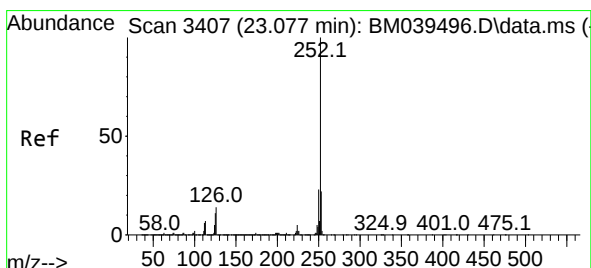
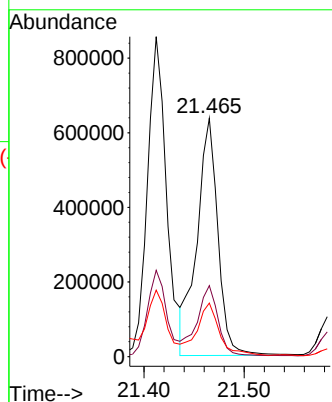
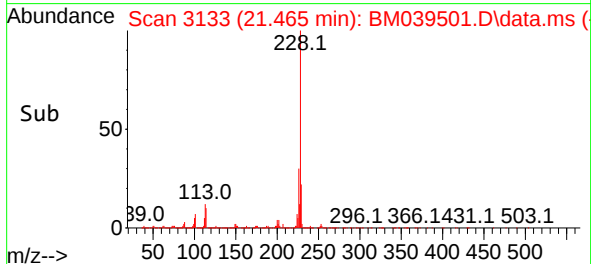
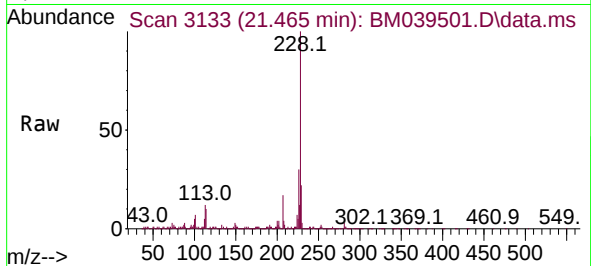
#87
Chrysene
Concen: 17.462 ng/ul
RT: 21.465 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

Instrument :
BNA_M
ClientSampleId :
DCBM0DL

Tgt Ion:228 Resp: 926665
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 22.5 15.8 23.6

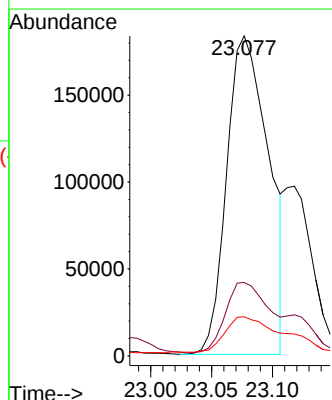
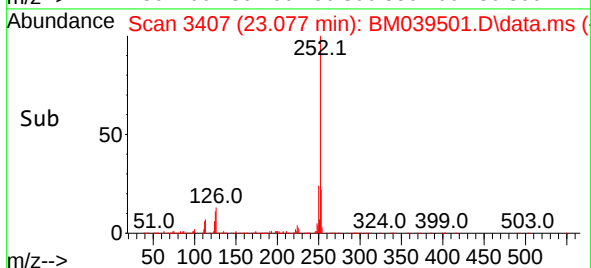
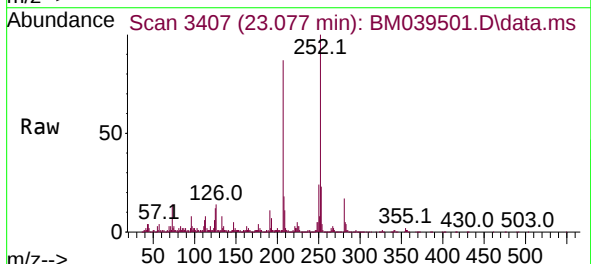
Manual Integrations
APPROVED

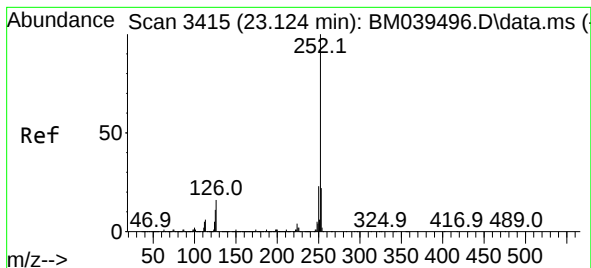
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



#90
Benzo(b)fluoranthene
Concen: 7.442 ng/ul
RT: 23.077 min Scan# 3407
Delta R.T. 0.003 min
Lab File: BM039501.D
Acq: 19 Apr 2023 18:41

Tgt Ion:252 Resp: 440034
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.2 8.7 13.1





#91

Benzo(k)fluoranthene

Concen: 2.726 ng/ul m

RT: 23.118 min Scan# 3415

Delta R.T. -0.009 min

Lab File: BM039501.D

Acq: 19 Apr 2023 18:41

Instrument :

BNA_M

ClientSampleId :

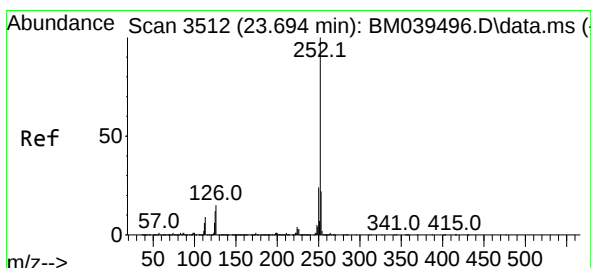
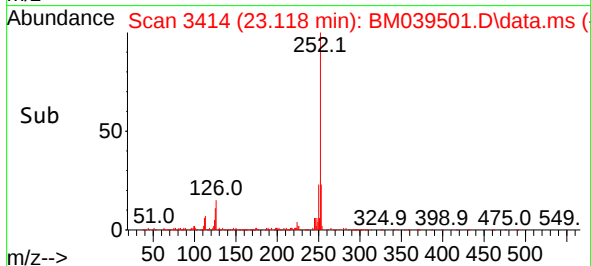
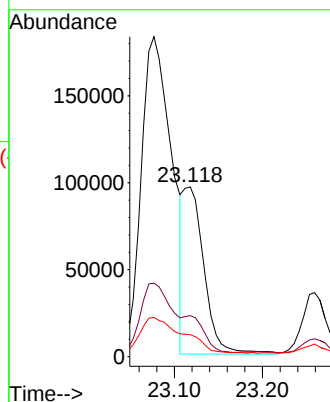
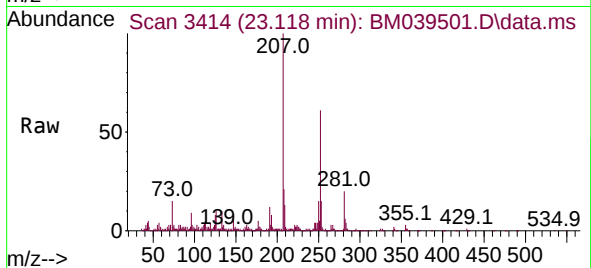
DCBM0DL

Tgt Ion:	252	Resp:	15827
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	12.9	8.6	12.8

Manual Integrations

APPROVED

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



#93

Benzo(a)pyrene

Concen: 4.597 ng/ul

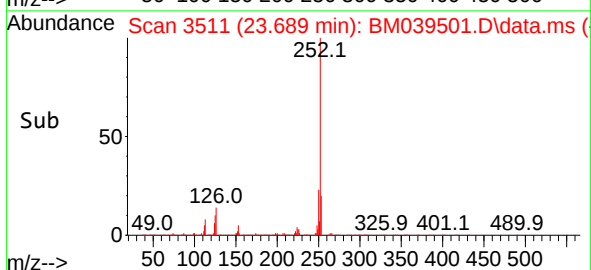
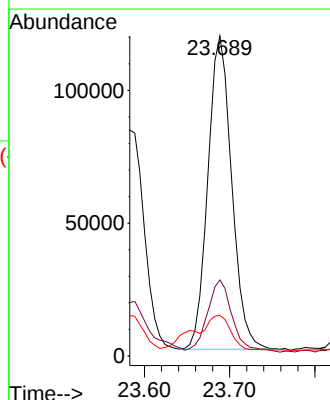
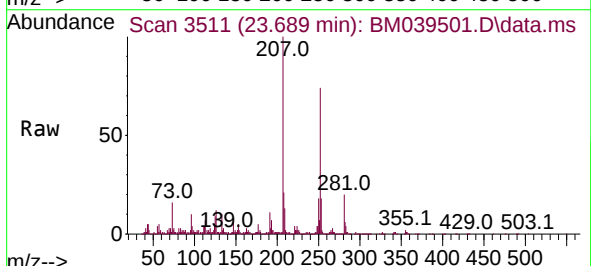
RT: 23.689 min Scan# 3511

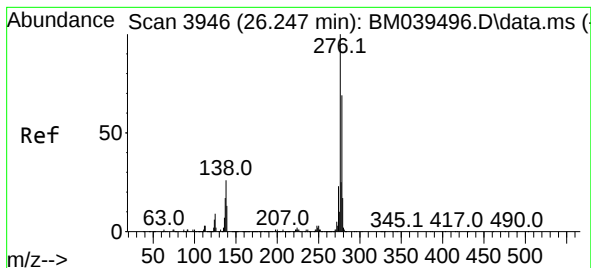
Delta R.T. -0.003 min

Lab File: BM039501.D

Acq: 19 Apr 2023 18:41

Tgt Ion:	252	Resp:	229140
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	12.6	9.4	14.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.160 ng/ul

RT: 26.241 min Scan# 3946

Delta R.T. -0.009 min

Lab File: BM039501.D

Acq: 19 Apr 2023 18:41

Instrument :

BNA_M

ClientSampleId :

DCBM0DL

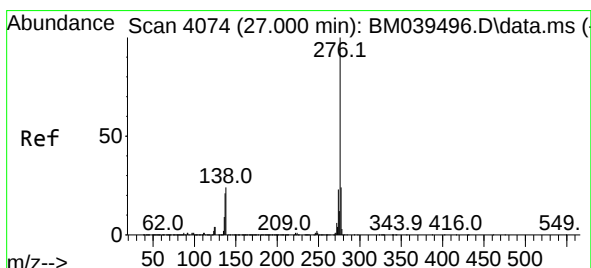
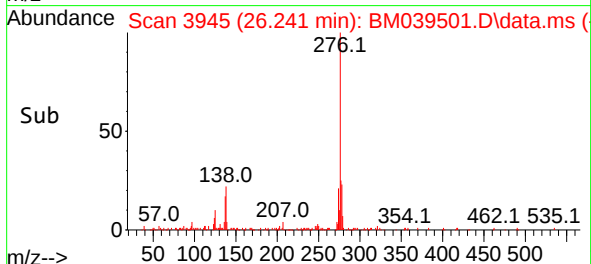
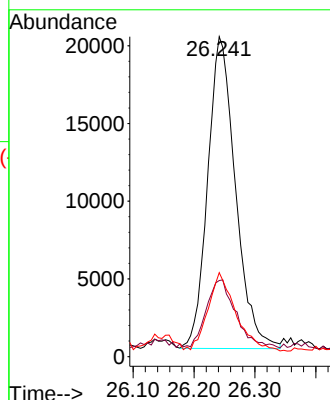
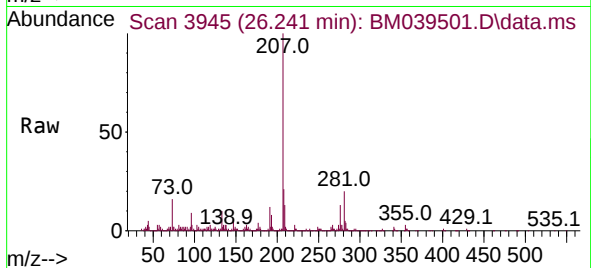
Tgt Ion:	276	Resp:	6360
Ion Ratio	Lower	Upper	
276	100		
138	23.8	21.2	31.8
277	26.2	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/20/2023



#96

Benzo(g,h,i)perylene

Concen: 1.174 ng/ul

RT: 27.000 min Scan# 4074

Delta R.T. -0.003 min

Lab File: BM039501.D

Acq: 19 Apr 2023 18:41

Tgt Ion:	276	Resp:	51277
Ion Ratio	Lower	Upper	
276	100		
138	26.4	18.7	28.1
277	25.3	18.7	28.1

