

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
 Data File : BM039740.D
 Acq On : 28 Apr 2023 17:31
 Operator : CG/JU
 Sample : 02417-25MSD
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW906MSD

Quant Time: Apr 29 02:25:07 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:30:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/01/2023
 Supervised By :Jagrut Upadhyay 05/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	3117	0.400	ng/u1	-0.02
4) Naphthalene-d8	10.599	136	12747	0.400	ng/u1	-0.01
9) Acenaphthene-d10	14.449	164	7872	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.198	188	17496	0.400	ng/u1	#-0.02
17) Chrysene-d12	21.396	240	12661	0.400	ng/u1	#-0.01
23) Perylene-d12	23.743	264	12246	0.400	ng/u1	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	1537	0.335	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.194	152	4195	0.257	ng/u1	-0.02
18) Fluoranthene-d10	19.232	212	10923	0.321	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.222	88	3661	0.769	ng/u1#	50
5) Naphthalene	10.649	128	14488	0.453	ng/u1	100
7) 2-Methylnaphthalene	12.271	142	10499	0.568	ng/u1	98
8) 1-Methylnaphthalene	12.485	142	8854	0.447	ng/u1	100
10) Acenaphthylene	14.172	152	21684	0.712	ng/u1	100
11) Acenaphthene	14.509	153	9589	0.401	ng/u1	99
12) Fluorene	15.504	166	10194	0.384	ng/u1	99
14) Pentachlorophenol	16.873	266	570	0.149	ng/u1	98
15) Phenanthrene	17.241	178	175396	3.805	ng/u1	99
16) Anthracene	17.333	178	41780	1.056	ng/u1	99
19) Fluoranthene	19.265	202	527479	11.678	ng/u1	97
20) Pyrene	19.627	202	471912	9.675	ng/u1	99
21) Benzo(a)anthracene	21.379	228	235247	6.462	ng/u1	98
22) Chrysene	21.431	228	256754	6.233	ng/u1	98
24) Benzo(b)fluoranthene	23.027	252	318785	7.412	ng/u1	95
25) Benzo(k)fluoranthene	23.071	252	114062m	2.605	ng/u1	
26) Benzo(a)pyrene	23.638	252	202387	5.241	ng/u1#	87
27) Indeno(1,2,3-cd)pyrene	26.164	276	151445	3.102	ng/u1#	96
28) Dibenzo(a,h)anthracene	26.174	278	41057	1.083	ng/u1	98
29) Benzo(g,h,i)perylene	26.912	276	133892	3.147	ng/u1	98

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

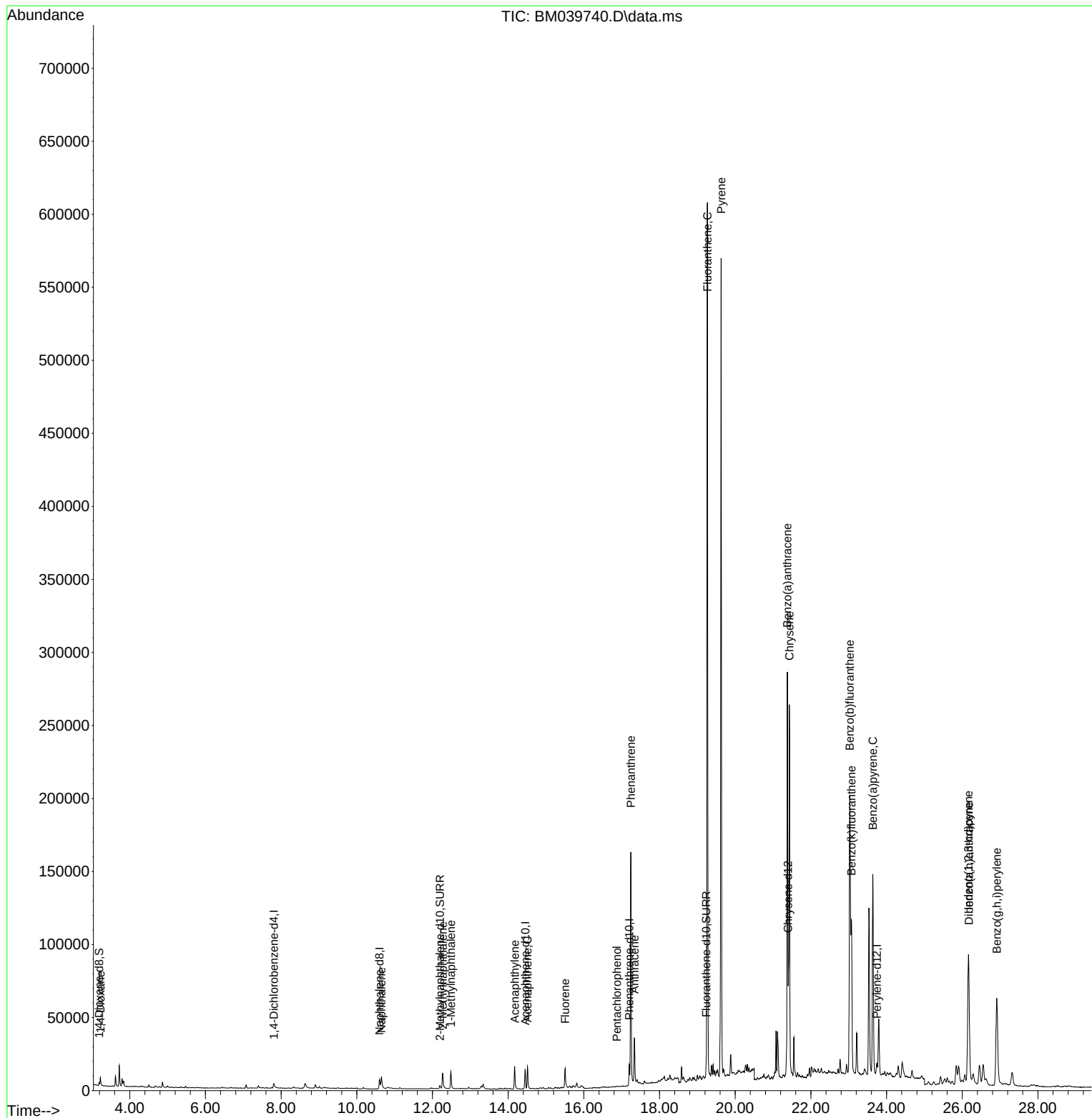
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
Data File : BM039740.D
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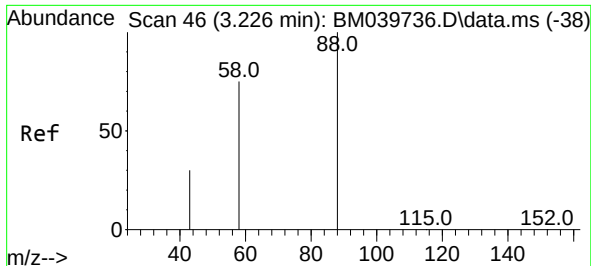
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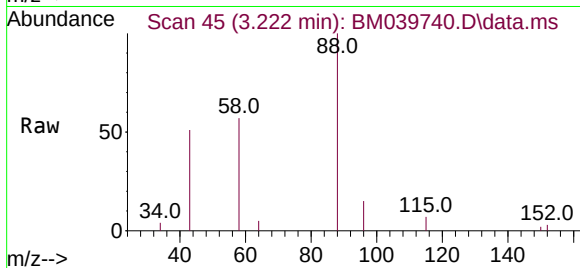
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023





#2
1,4-Dioxane
Concen: 0.769 ng/ul
RT: 3.222 min Scan# 41
Delta R.T. -0.004 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

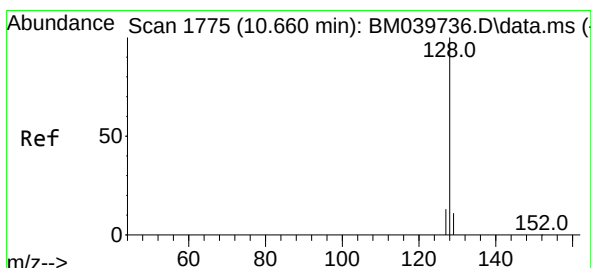
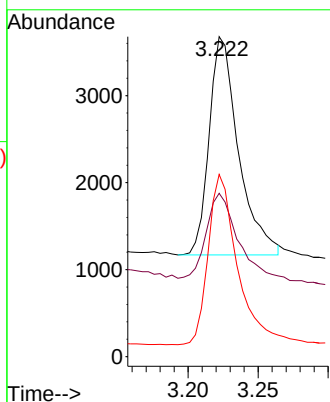
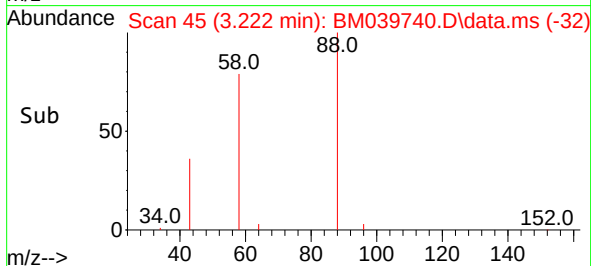
Instrument :
BNA_M
ClientSampleId :
EW906MSD



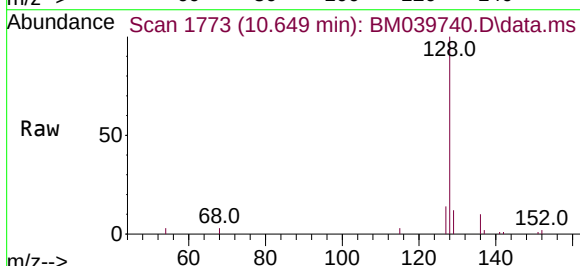
Tgt Ion: 88 Resp: 366
Ion Ratio Lower Upper
88 100
43 51.0 102.6 153.8
58 56.9 40.6 61.0

Manual Integrations
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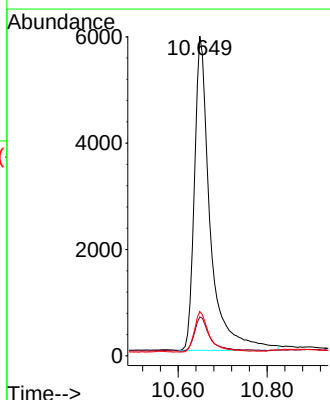
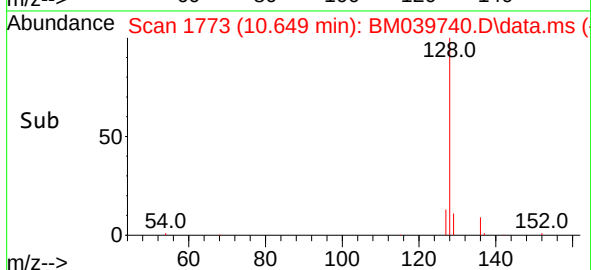
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

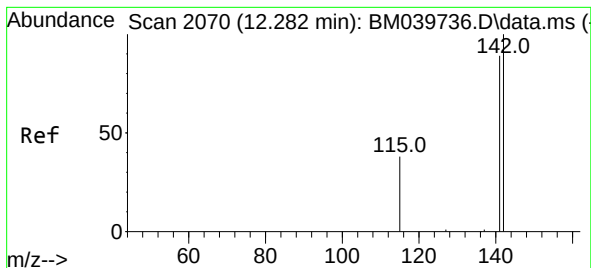


#5
Naphthalene
Concen: 0.453 ng/ul
RT: 10.649 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



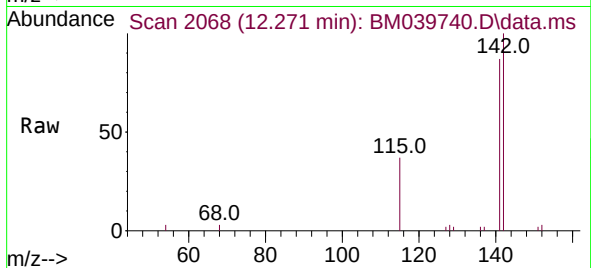
Tgt Ion:128 Resp: 14488
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 13.9 11.1 16.7





#7
2-Methylnaphthalene
Concen: 0.568 ng/ul
RT: 12.271 min Scan# 2070
Delta R.T. -0.018 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

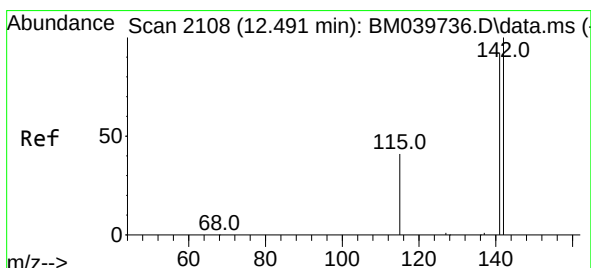
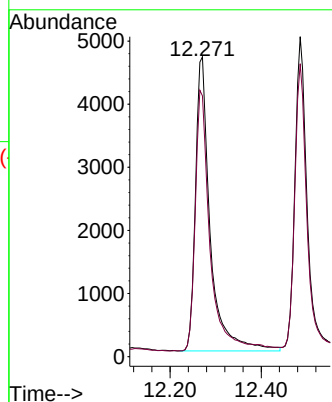
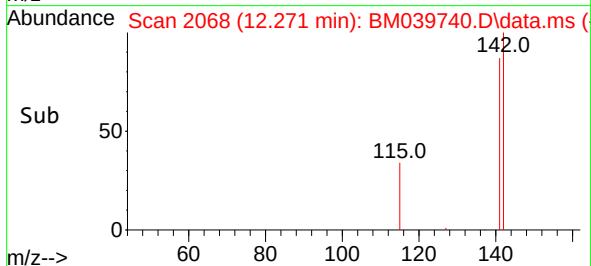
Instrument :
BNA_M
ClientSampleId :
EW906MSD



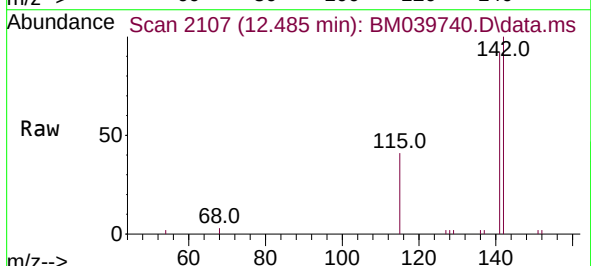
Tgt Ion:142 Resp: 10499
Ion Ratio Lower Upper
142 100
141 89.7 73.2 109.8

Manual Integrations
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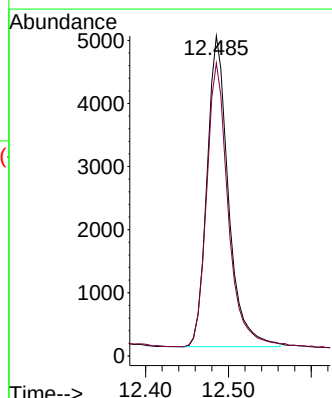
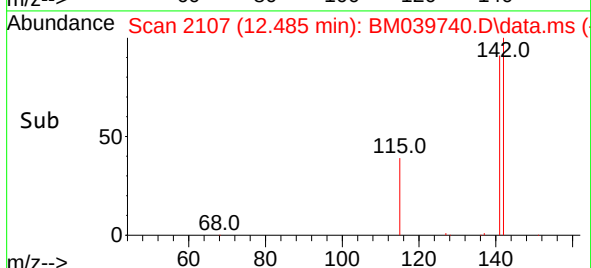
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

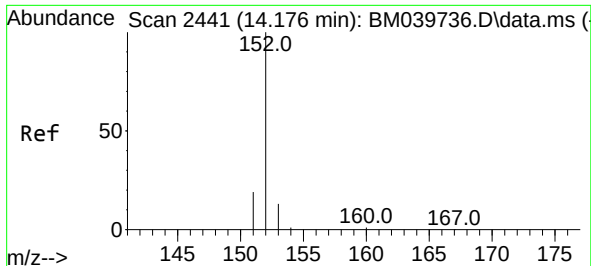


#8
1-Methylnaphthalene
Concen: 0.447 ng/ul
RT: 12.485 min Scan# 2107
Delta R.T. -0.012 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



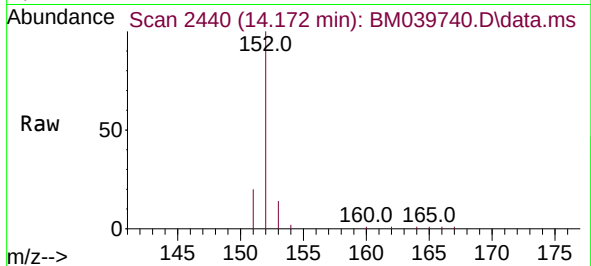
Tgt Ion:142 Resp: 8854
Ion Ratio Lower Upper
142 100
141 91.6 73.4 110.2





#10
Acenaphthylene
Concen: 0.712 ng/ul
RT: 14.172 min Scan# 2441
Delta R.T. -0.011 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

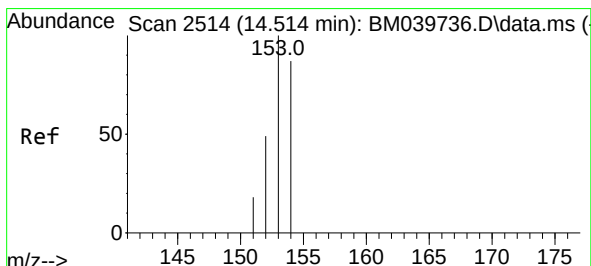
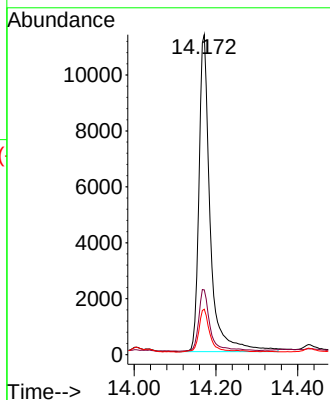
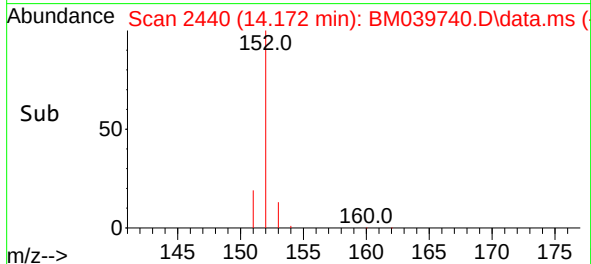
Instrument :
BNA_M
ClientSampleId :
EW906MSD



Tgt Ion:152 Resp: 21684
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 14.2 11.2 16.8

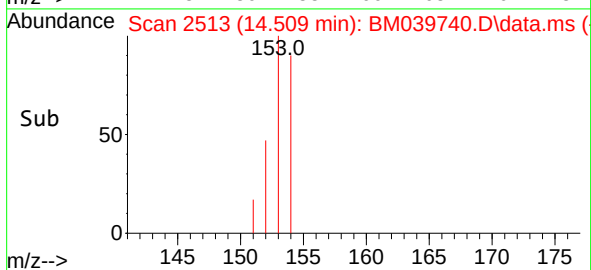
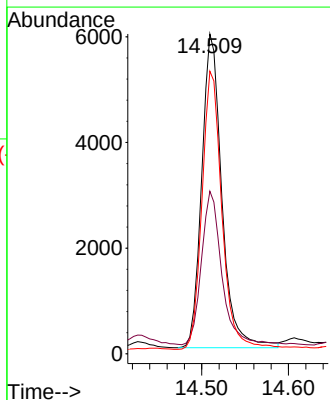
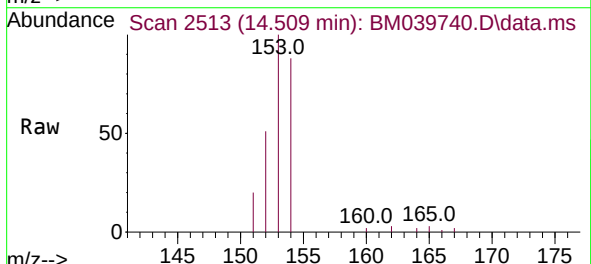
Manual Integrations
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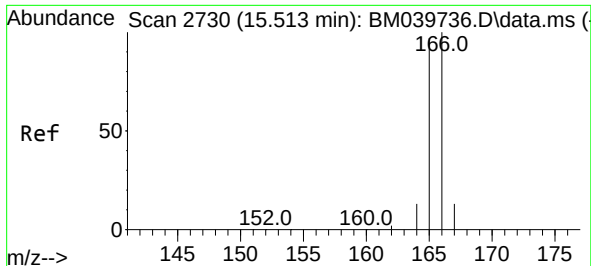
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#11
Acenaphthene
Concen: 0.401 ng/ul
RT: 14.509 min Scan# 2513
Delta R.T. -0.011 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

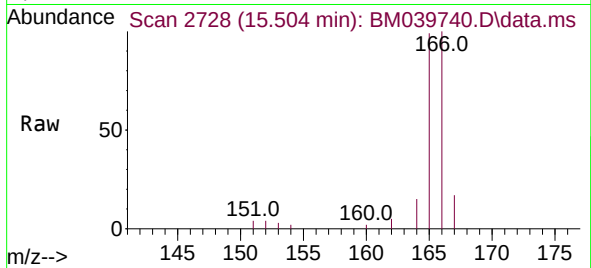
Tgt Ion:153 Resp: 9589
Ion Ratio Lower Upper
153 100
152 50.8 40.6 61.0
154 88.3 71.9 107.9





#12
Fluorene
Concen: 0.384 ng/ul
RT: 15.504 min Scan# 21
Delta R.T. -0.015 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

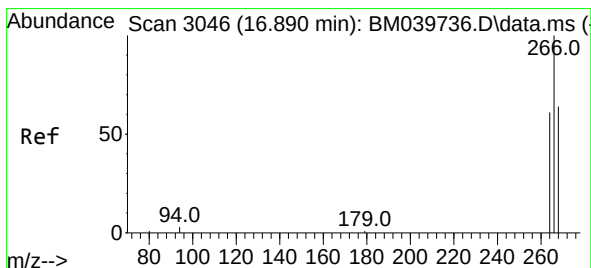
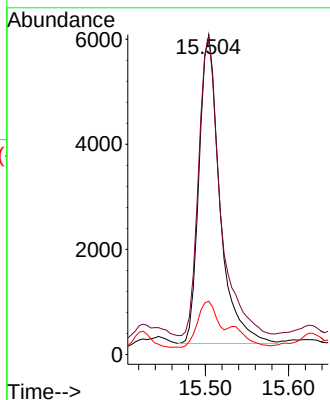
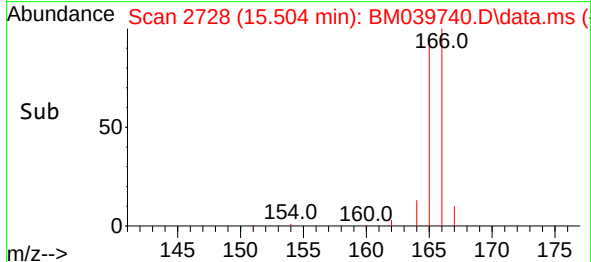
Instrument :
BNA_M
ClientSampleId :
EW906MSD



Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.0	118.6
167	16.7	11.8	17.6

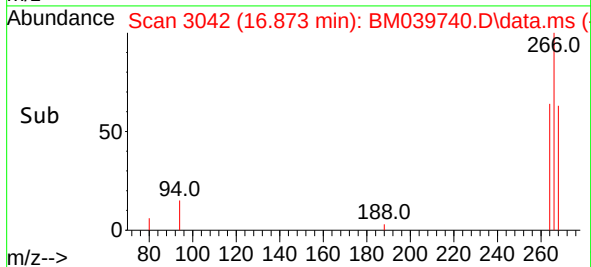
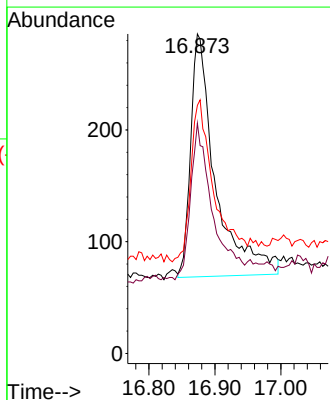
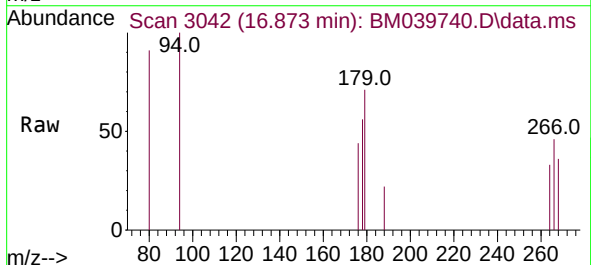
Manual Integrations
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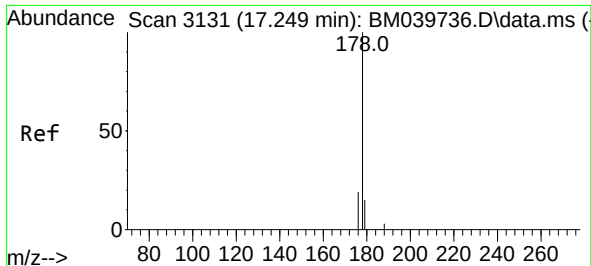
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#14
Pentachlorophenol
Concen: 0.149 ng/ul
RT: 16.873 min Scan# 3042
Delta R.T. -0.027 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

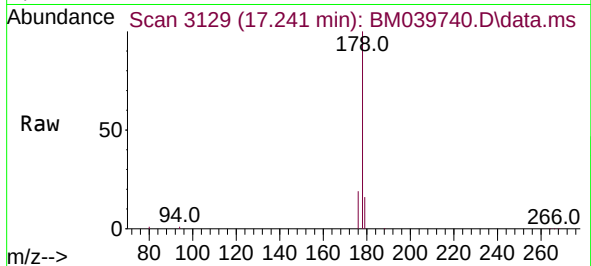
Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.2	48.8	73.2
268	63.0	50.4	75.6





#15
Phenanthrene
Concen: 3.805 ng/ul
RT: 17.241 min Scan# 3131
Delta R.T. -0.014 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

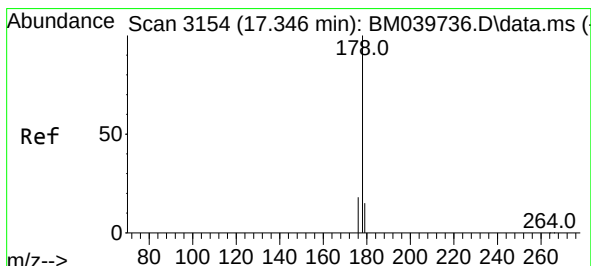
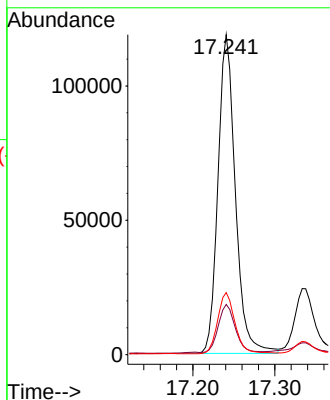
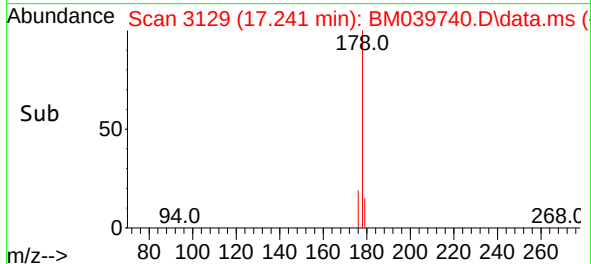
Instrument :
BNA_M
ClientSampleId :
EW906MSD



Tgt Ion:178 Resp: 175396
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 19.4 15.8 23.8

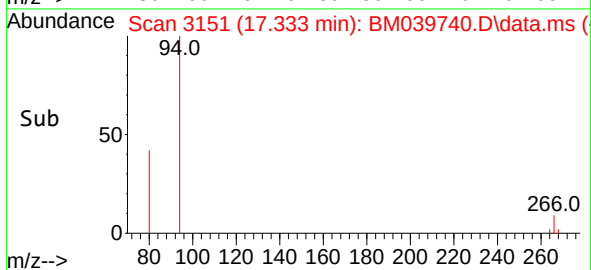
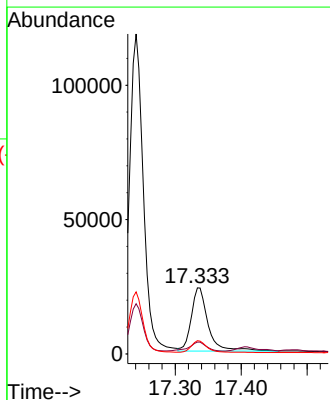
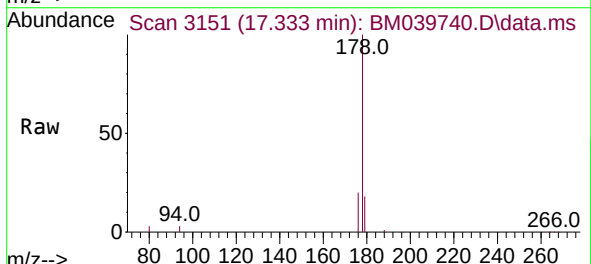
Manual Integrations
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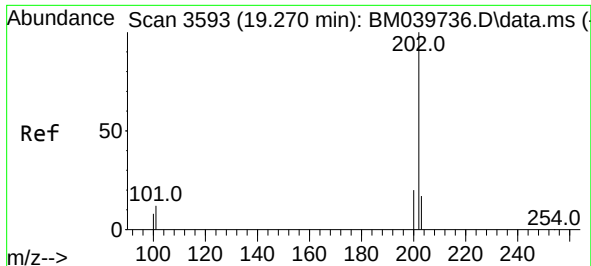
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#16
Anthracene
Concen: 1.056 ng/ul
RT: 17.333 min Scan# 3151
Delta R.T. -0.023 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

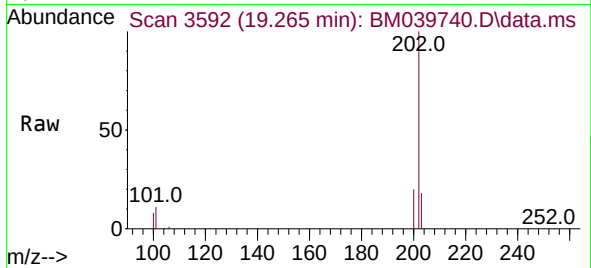
Tgt Ion:178 Resp: 41780
Ion Ratio Lower Upper
178 100
179 17.9 13.8 20.6
176 19.9 15.8 23.8





#19
Fluoranthene
Concen: 11.678 ng/ul
RT: 19.265 min Scan# 3592
Delta R.T. -0.011 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

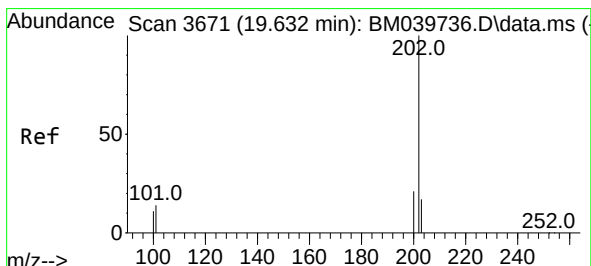
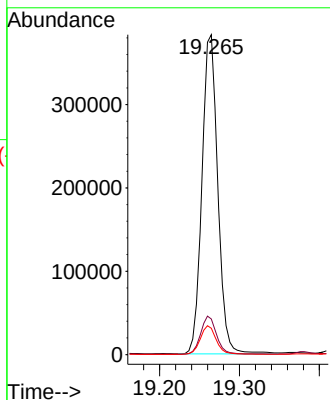
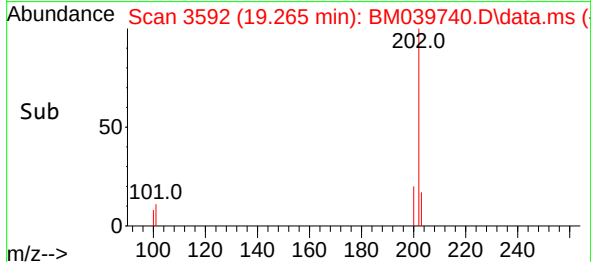
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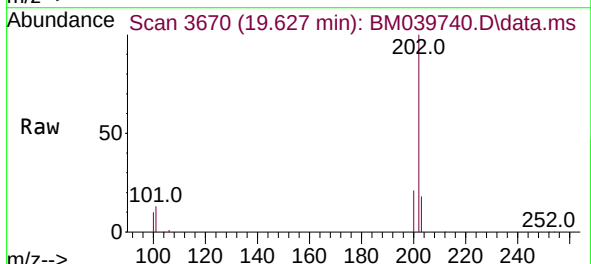
Tgt Ion:202 Resp: 527479
Ion Ratio Lower Upper
202 100
101 11.1 9.8 14.8
100 8.2 7.3 10.9

Manual Integrations
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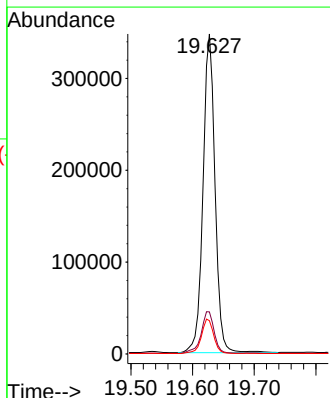
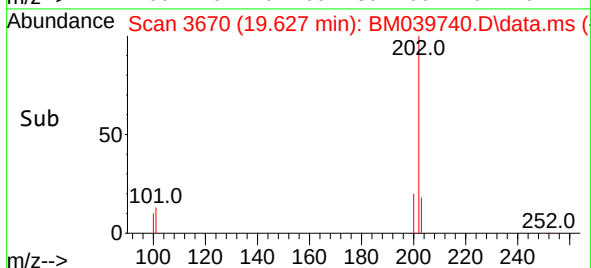
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

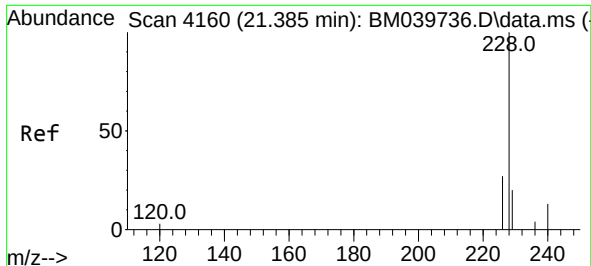


#20
Pyrene
Concen: 9.675 ng/ul
RT: 19.627 min Scan# 3670
Delta R.T. -0.016 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



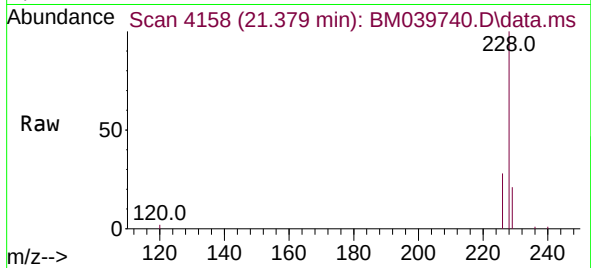
Tgt Ion:202 Resp: 471912
Ion Ratio Lower Upper
202 100
101 13.1 10.9 16.3
100 10.4 8.9 13.3





#21
Benzo(a)anthracene
Concen: 6.462 ng/ul
RT: 21.379 min Scan# 4160
Delta R.T. -0.018 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

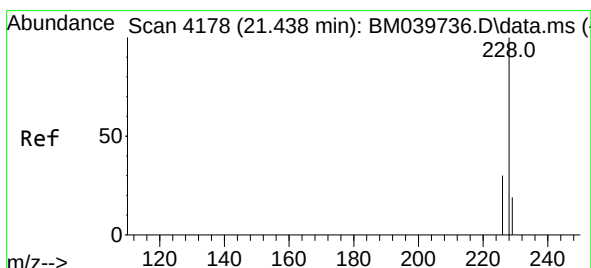
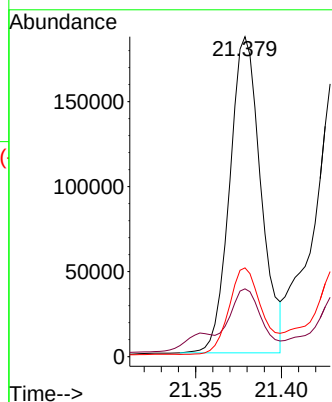
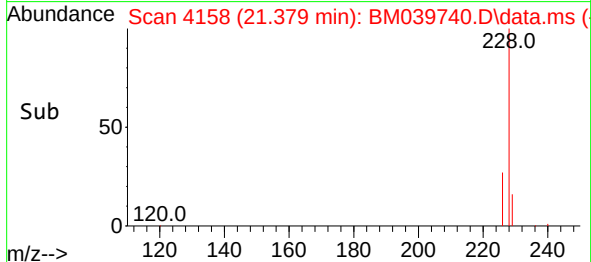
Instrument :
BNA_M
ClientSampleId :
EW906MSD



Tgt Ion:228 Resp: 23524
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.2
226 27.7 21.6 32.4

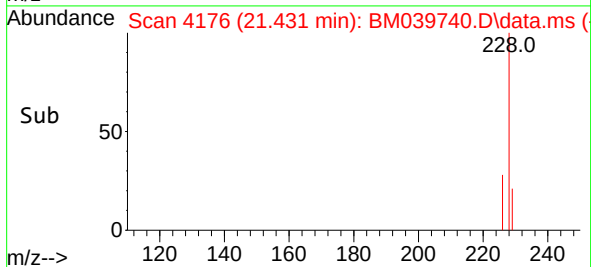
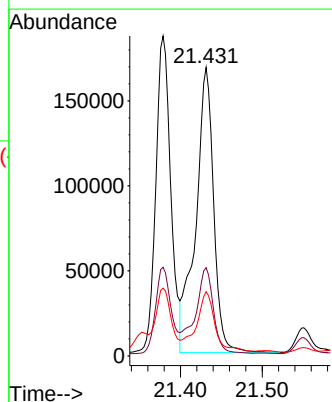
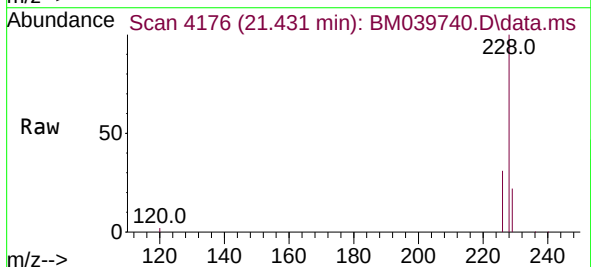
Manual Integrations
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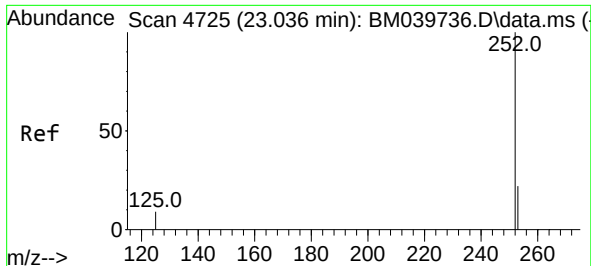
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#22
Chrysene
Concen: 6.233 ng/ul
RT: 21.431 min Scan# 4176
Delta R.T. -0.015 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

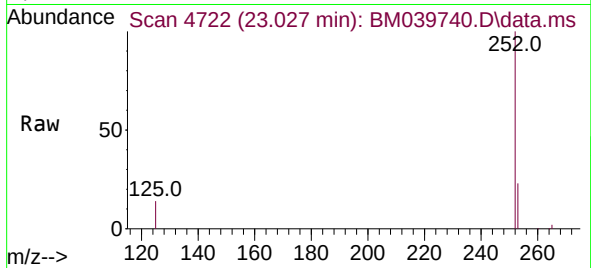
Tgt Ion:228 Resp: 256754
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.3 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 7.412 ng/ul
RT: 23.027 min Scan# 4722
Delta R.T. -0.018 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

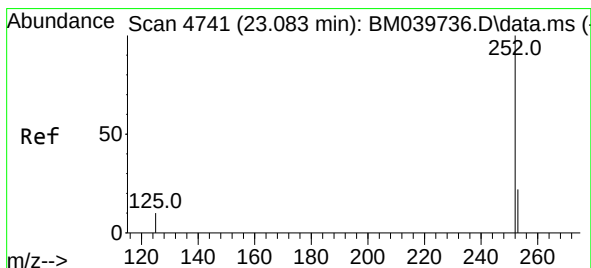
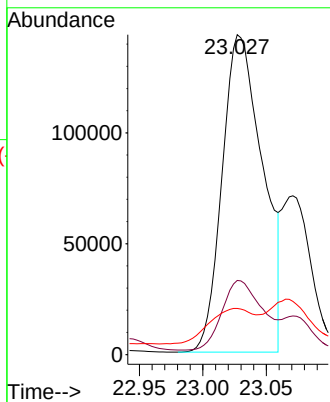
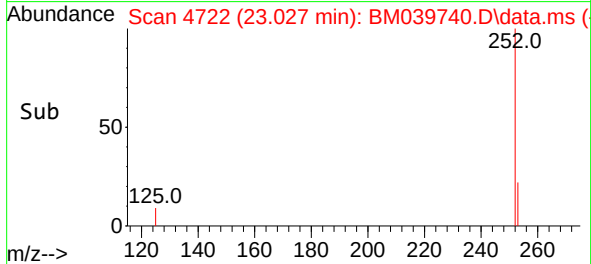
Instrument :
BNA_M
ClientSampleId :
EW906MSD



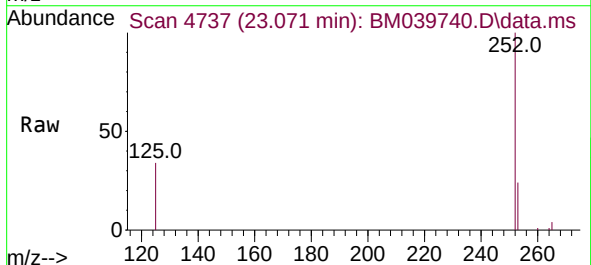
Tgt Ion:252 Resp: 318785
Ion Ratio Lower Upper
252 100
253 23.2 0.0 52.8
125 14.4 0.0 31.6

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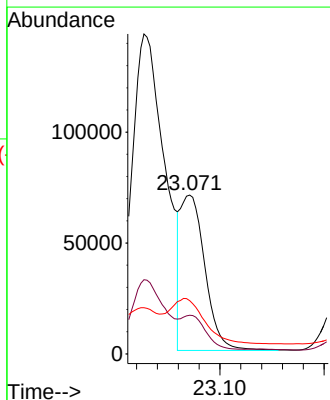
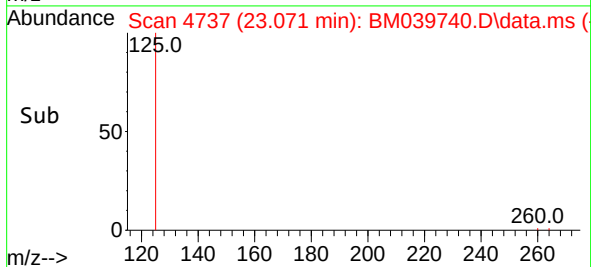
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

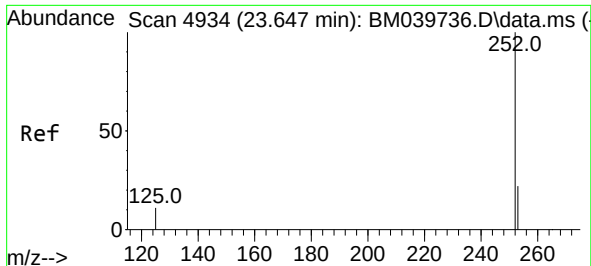


#25
Benzo(k)fluoranthene
Concen: 2.605 ng/ul m
RT: 23.071 min Scan# 4737
Delta R.T. -0.024 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



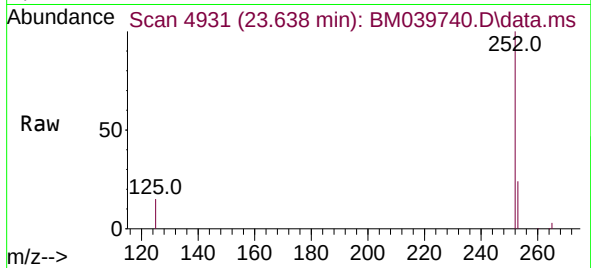
Tgt Ion:252 Resp: 114062
Ion Ratio Lower Upper
252 100
253 24.3 21.3 31.9
125 33.5 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 5.241 ng/ul
RT: 23.638 min Scan# 4931
Delta R.T. -0.026 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

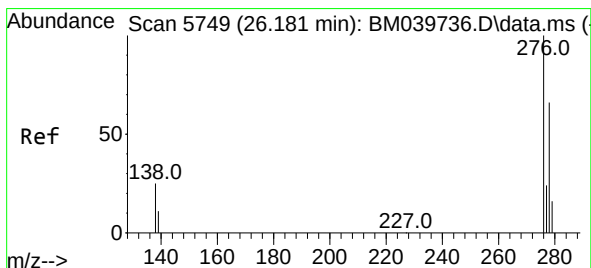
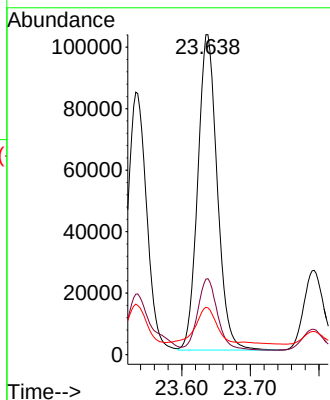
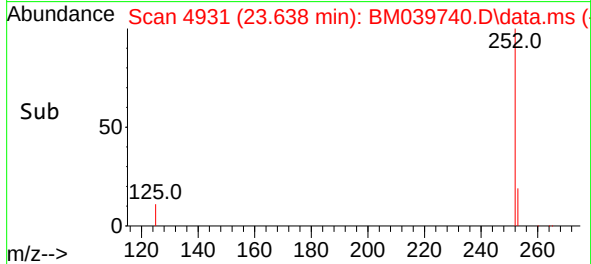
Instrument :
BNA_M
ClientSampleId :
EW906MSD



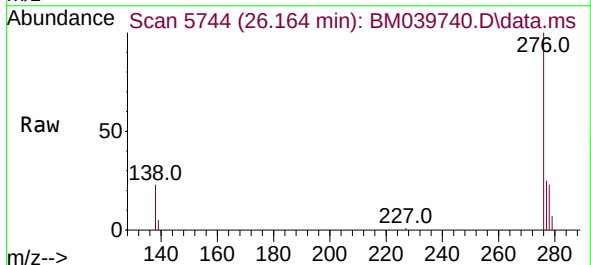
Tgt Ion:252 Resp: 202387
Ion Ratio Lower Upper
252 100
253 23.7 24.7 37.1#
125 14.6 16.5 24.7#

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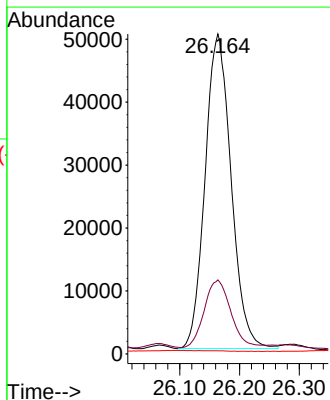
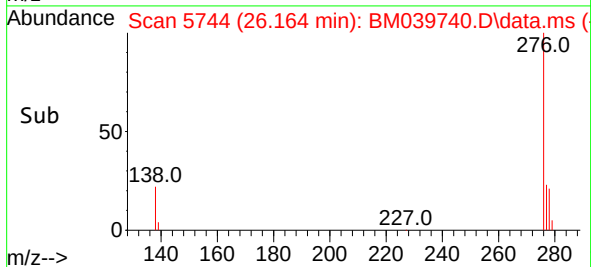
Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023

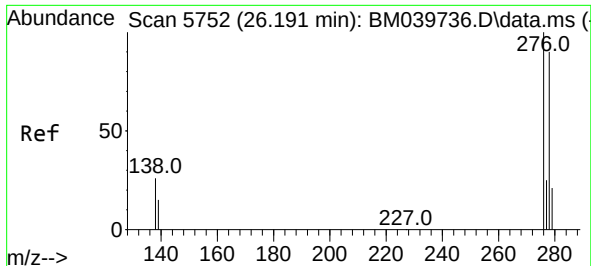


#27
Indeno(1,2,3-cd)pyrene
Concen: 3.102 ng/ul
RT: 26.164 min Scan# 5744
Delta R.T. -0.037 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



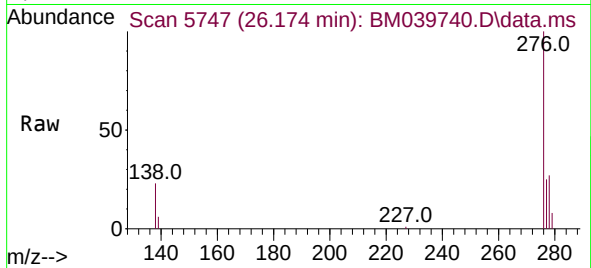
Tgt Ion:276 Resp: 151445
Ion Ratio Lower Upper
276 100
138 24.4 21.1 31.7
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 1.083 ng/ul
RT: 26.174 min Scan# 51
Delta R.T. -0.044 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31

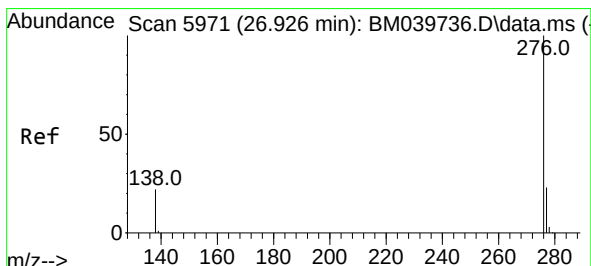
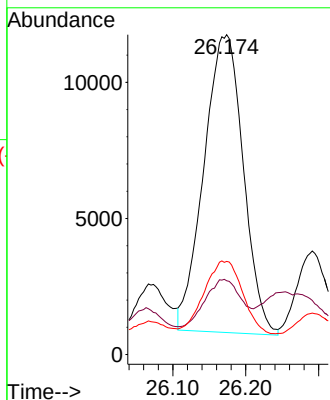
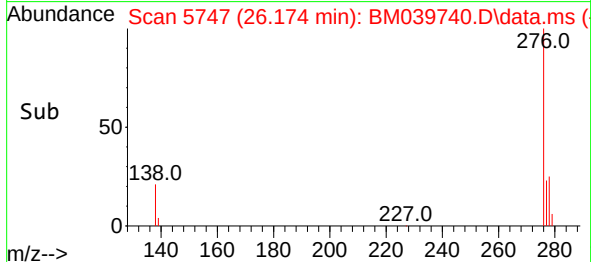
Instrument :
BNA_M
ClientSampleId :
EW906MSD



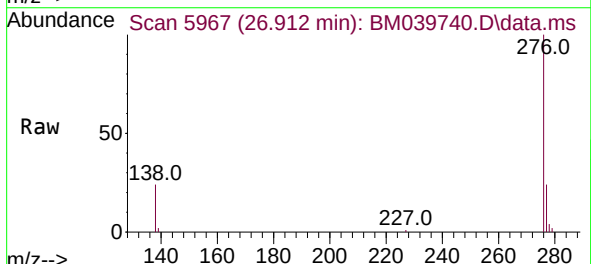
Tgt Ion:278 Resp: 41052
Ion Ratio Lower Upper
278 100
139 23.1 17.0 25.6
279 29.1 23.4 35.2

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Reviewed By :Christian Giraldo 05/01/2023
Supervised By :Jagrut Upadhyay 05/01/2023



#29
Benzo(g,h,i)perylene
Concen: 3.147 ng/ul
RT: 26.912 min Scan# 5967
Delta R.T. -0.037 min
Lab File: BM039740.D
Acq: 28 Apr 2023 17:31



Tgt Ion:276 Resp: 133892
Ion Ratio Lower Upper
276 100
138 23.9 20.1 30.1
277 24.3 20.1 30.1

