

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
 Data File : BM039892.D
 Acq On : 09 May 2023 14:08
 Operator : CG/JU
 Sample : 02479-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW947

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 01:03:10 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 : Tue May 09 12:11:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	2044	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.578	136	6447	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	3712	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	7431	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.396	240	5159	0.400	ng/ul	# 0.00
23) Perylene-d12	23.752	264	5570	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	5854	1.943	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	1386	0.168	ng/ul	-0.02
18) Fluoranthene-d10	19.229	212	2879	0.207	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.622	128	47592	2.940	ng/ul	98
7) 2-Methylnaphthalene	12.245	142	66086	7.073	ng/ul	97
8) 1-Methylnaphthalene	12.470	142	29847	2.978	ng/ul	100
10) Acenaphthylene	14.154	152	26748	1.862	ng/ul#	95
11) Acenaphthene	14.497	153	8096	0.717	ng/ul	97
12) Fluorene	15.491	166	10031	0.801	ng/ul#	96
15) Phenanthrene	17.233	178	187011	9.552	ng/ul	99
16) Anthracene	17.326	178	40107	2.386	ng/ul	99
19) Fluoranthene	19.262	202	357151	19.405	ng/ul	97
20) Pyrene	19.624	202	298112	14.999	ng/ul	100
21) Benzo(a)anthracene	21.379	228	163762	11.040	ng/ul	96
22) Chrysene	21.431	228	156593	9.329	ng/ul	95
24) Benzo(b)fluoranthene	23.039	252	231028m	11.810	ng/ul	
25) Benzo(k)fluoranthene	23.080	252	76091m	3.820	ng/ul	
26) Benzo(a)pyrene	23.647	252	156070	8.886	ng/ul	91
27) Indeno(1,2,3-cd)pyrene	26.194	276	125720	5.661	ng/ul	93
28) Dibenzo(a,h)anthracene	26.194	278	35446	2.056	ng/ul#	72
29) Benzo(g,h,i)perylene	26.949	276	135046	6.979	ng/ul	96

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

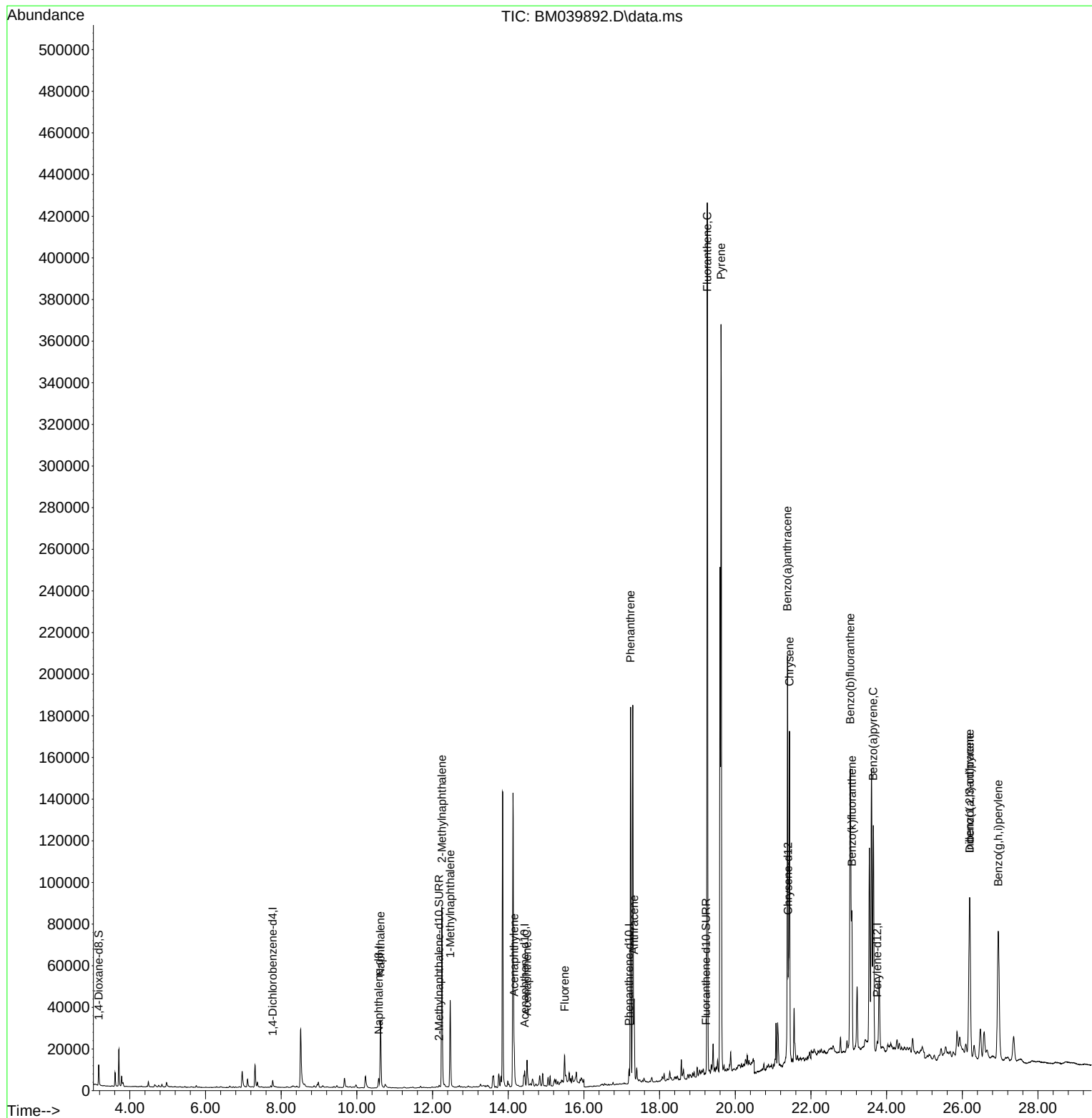
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050923\
Data File : BM039892.D
Acq On : 09 May 2023 14:08
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ALS Vial : 7 Sample Multiplier: 1

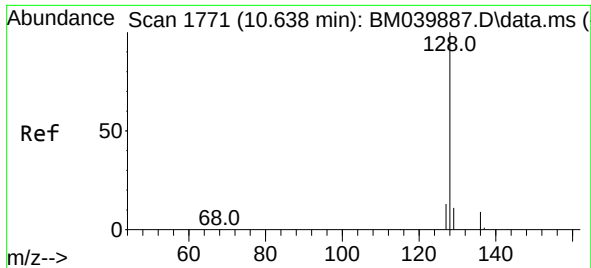
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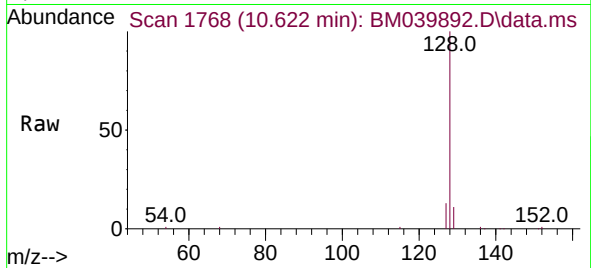
Quant Time: May 10 01:03:10 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 12:11:48 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 2.940 ng/ul
RT: 10.622 min Scan# 1768
Delta R.T. -0.015 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

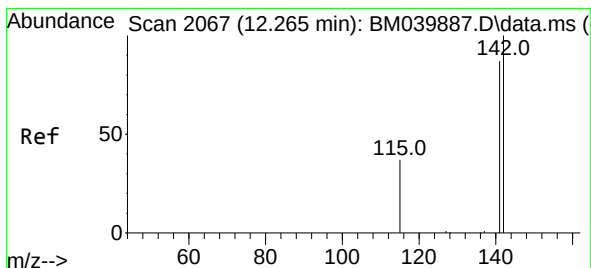
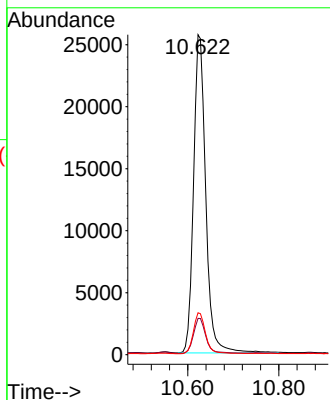
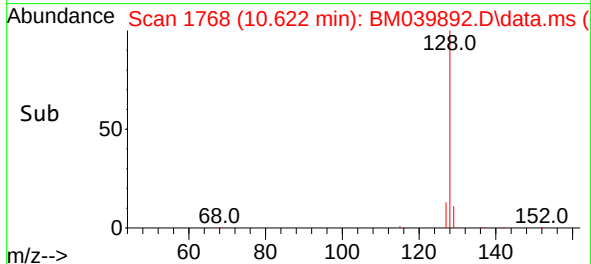
Instrument :
BNA_M
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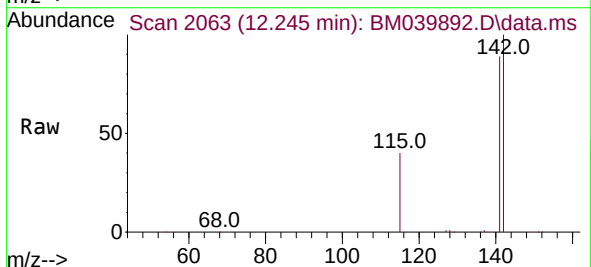
Tgt Ion:128 Resp: 47592
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.1 11.1 16.7

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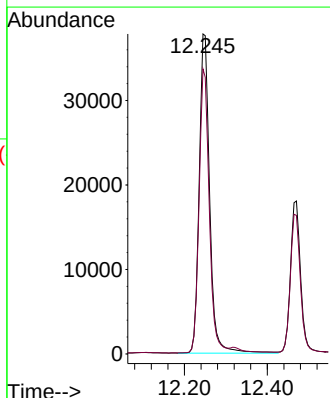
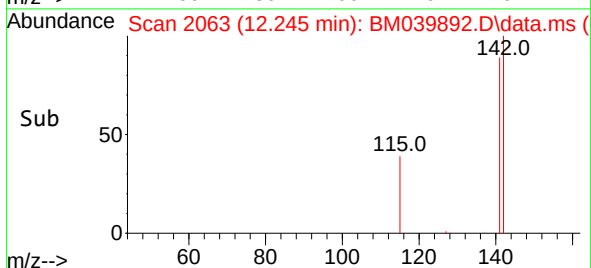
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

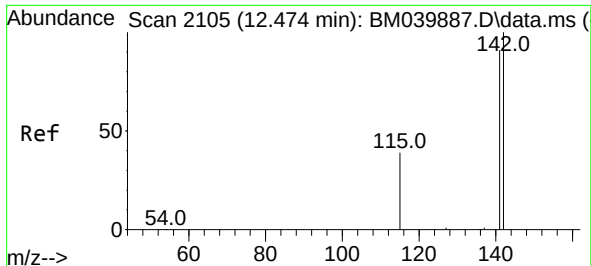


#7
2-Methylnaphthalene
Concen: 7.073 ng/ul
RT: 12.245 min Scan# 2063
Delta R.T. -0.021 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



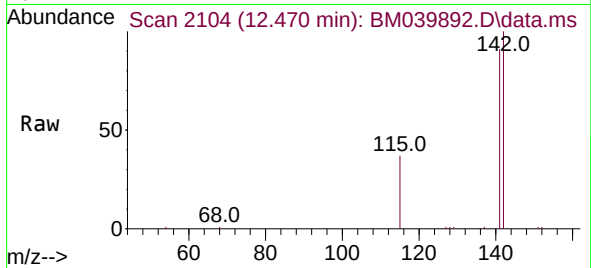
Tgt Ion:142 Resp: 66086
Ion Ratio Lower Upper
142 100
141 88.9 73.2 109.8





#8
1-Methylnaphthalene
Concen: 2.978 ng/ul
RT: 12.470 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

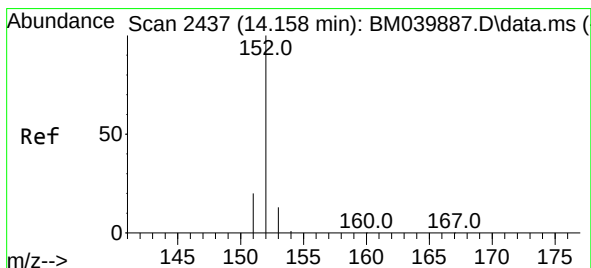
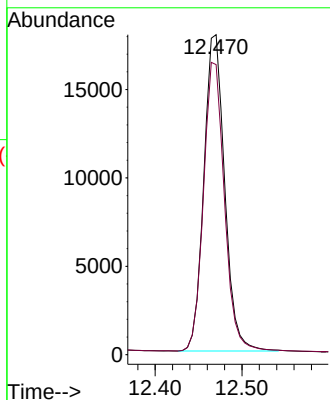
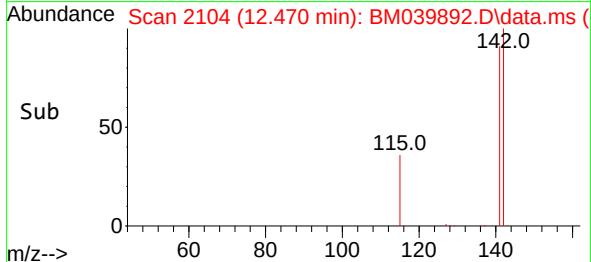
Instrument :
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Ion Ratio Lower Upper
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141 91.5 73.4 110.2

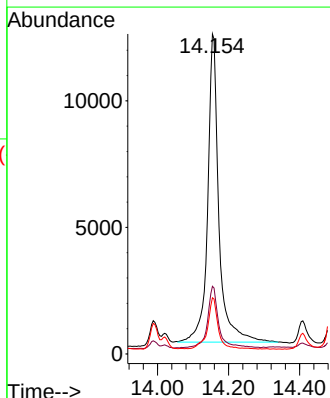
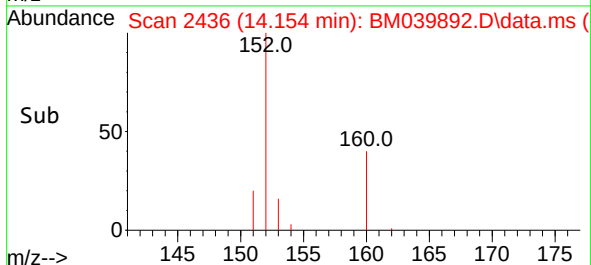
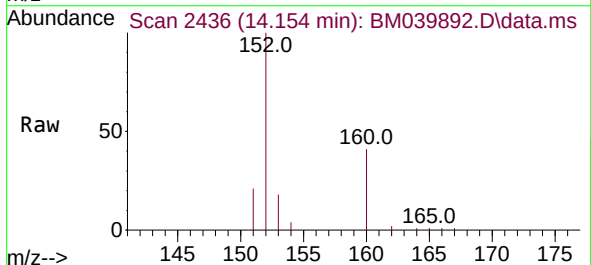
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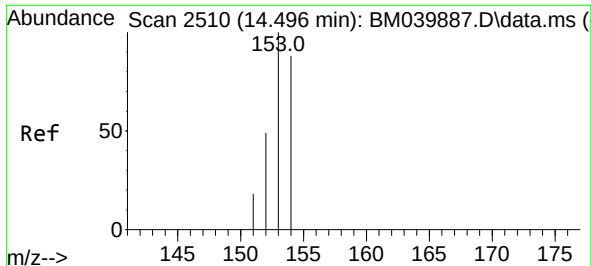
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#10
Acenaphthylene
Concen: 1.862 ng/ul
RT: 14.154 min Scan# 2436
Delta R.T. -0.003 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

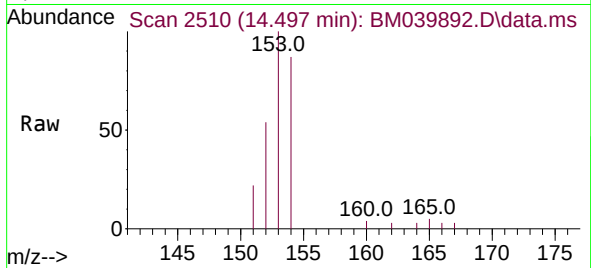
Tgt Ion:152 Resp: 26748
Ion Ratio Lower Upper
152 100
151 21.2 16.0 24.0
153 17.5 11.2 16.8#





#11
Acenaphthene
Concen: 0.717 ng/ul
RT: 14.497 min Scan# 2510
Delta R.T. 0.001 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

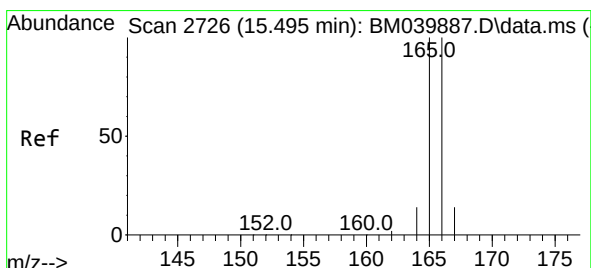
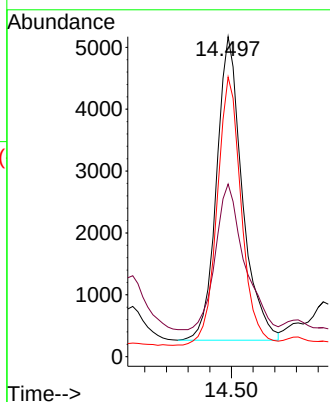
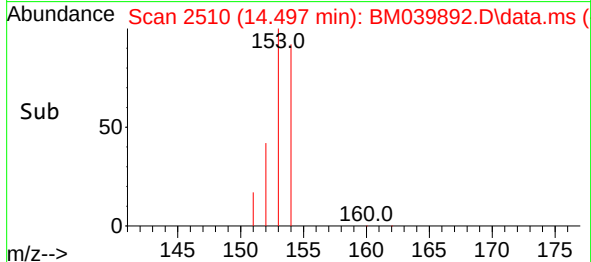
Instrument :
BNA_M
ClientSampleId :
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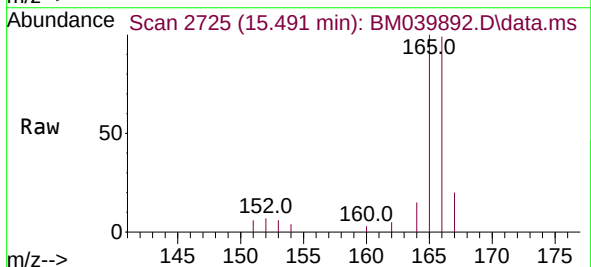
Tgt Ion:153 Resp: 8090
Ion Ratio Lower Upper
153 100
152 54.0 40.6 61.0
154 87.4 71.9 107.9

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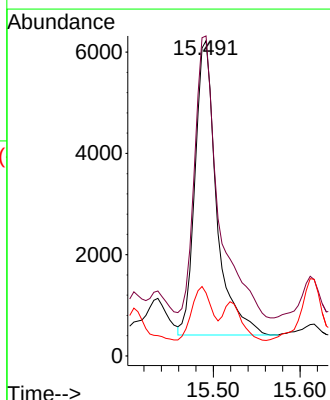
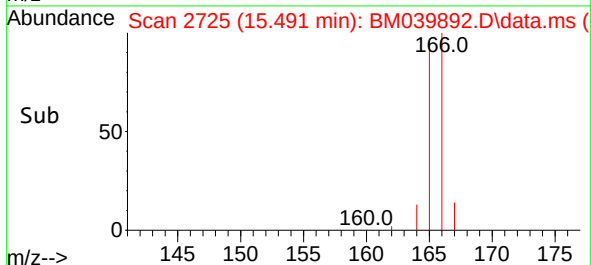
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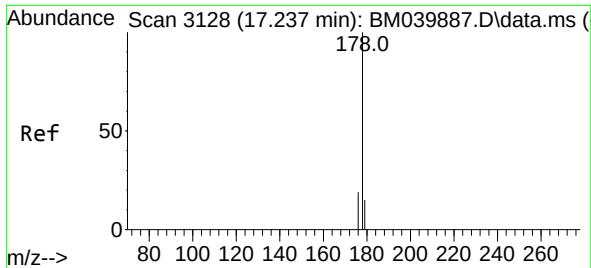


#12
Fluorene
Concen: 0.801 ng/ul
RT: 15.491 min Scan# 2725
Delta R.T. -0.003 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



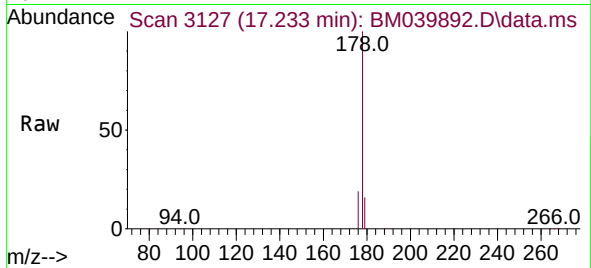
Tgt Ion:166 Resp: 10031
Ion Ratio Lower Upper
166 100
165 101.5 79.0 118.6
167 20.0 11.8 17.6#





#15
Phenanthrene
Concen: 9.552 ng/ul
RT: 17.233 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

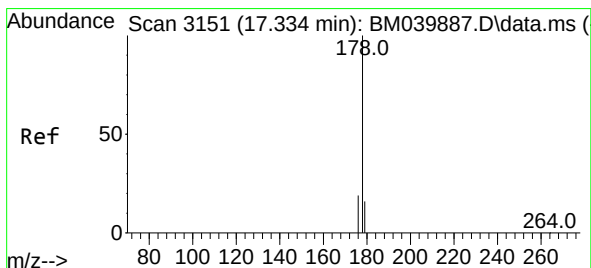
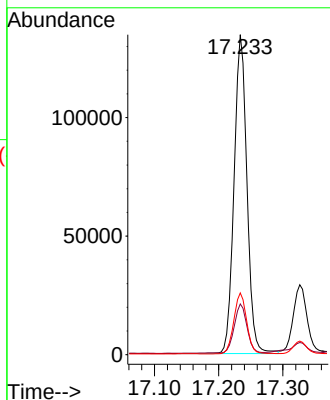
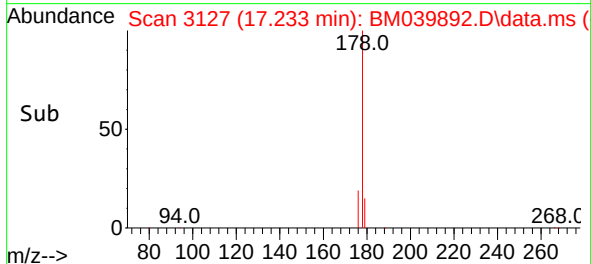
Instrument :
BNA_M
ClientSampleId :
EW947



Tgt Ion:178 Resp: 18701
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.3 15.8 23.8

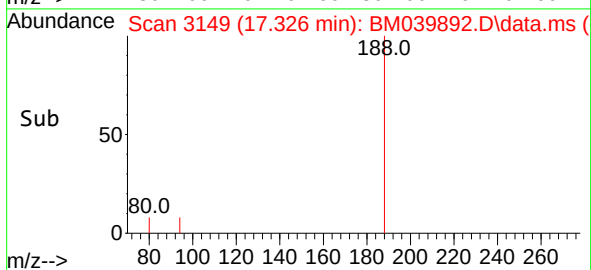
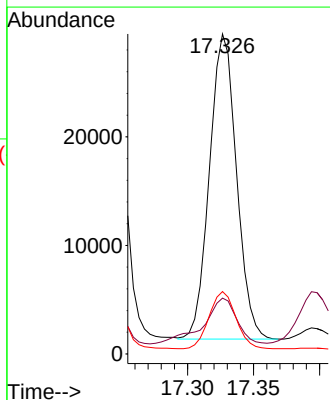
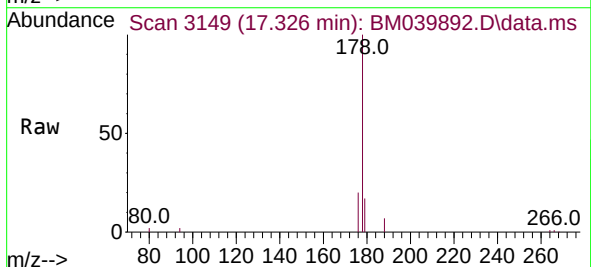
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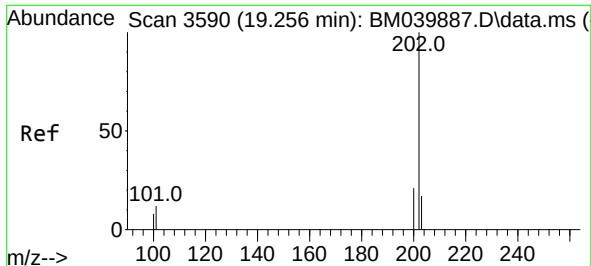
Reviewed By :Christian Giraldo 05/10/2023
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#16
Anthracene
Concen: 2.386 ng/ul
RT: 17.326 min Scan# 3149
Delta R.T. -0.007 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

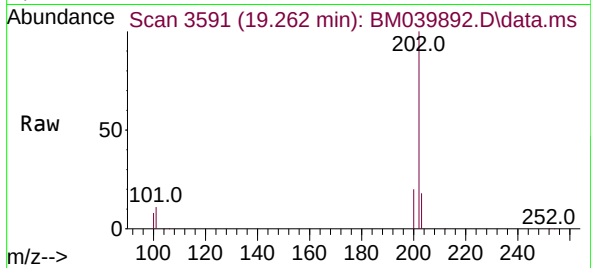
Tgt Ion:178 Resp: 40107
Ion Ratio Lower Upper
178 100
179 17.4 13.8 20.6
176 19.5 15.8 23.8





#19
Fluoranthene
Concen: 19.405 ng/u1
RT: 19.262 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

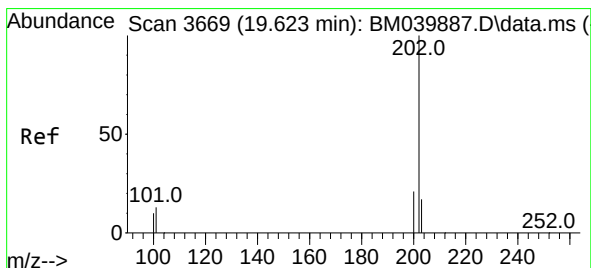
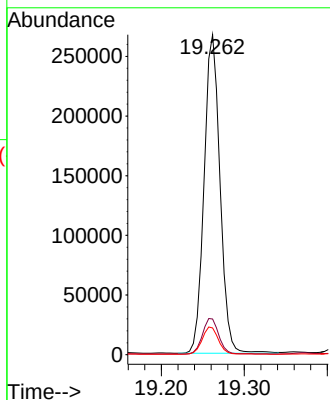
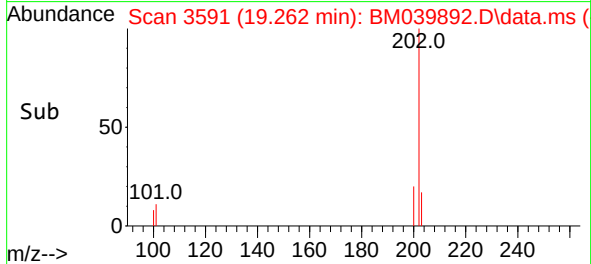
Instrument :
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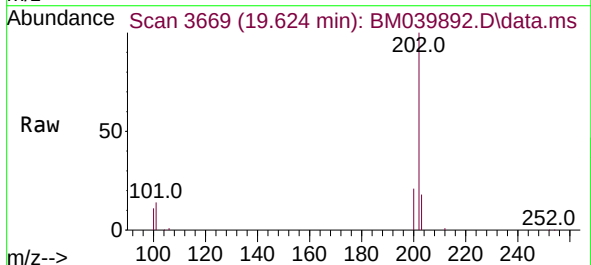
Tgt Ion:202 Resp: 35715
Ion Ratio Lower Upper
202 100
101 11.2 9.8 14.8
100 8.3 7.3 10.9

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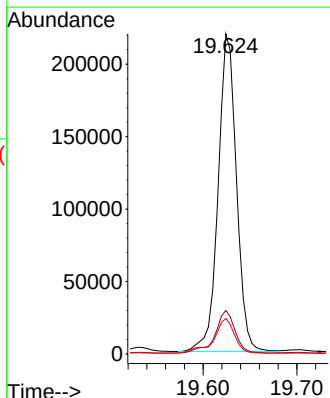
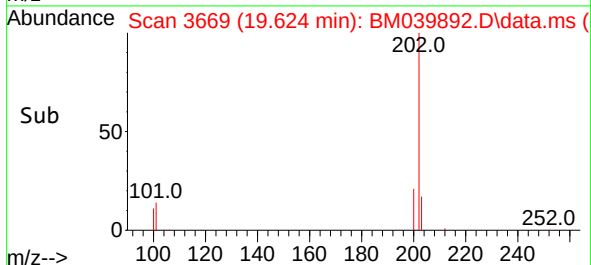
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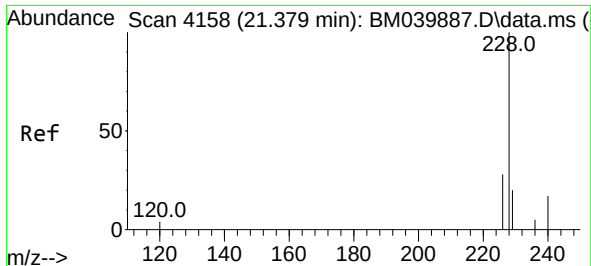


#20
Pyrene
Concen: 14.999 ng/u1
RT: 19.624 min Scan# 3669
Delta R.T. 0.001 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



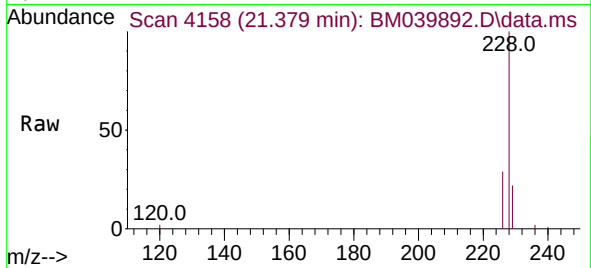
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Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 11.1 8.9 13.3





#21
Benzo(a)anthracene
Concen: 11.040 ng/u1
RT: 21.379 min Scan# 4158
Delta R.T. -0.001 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

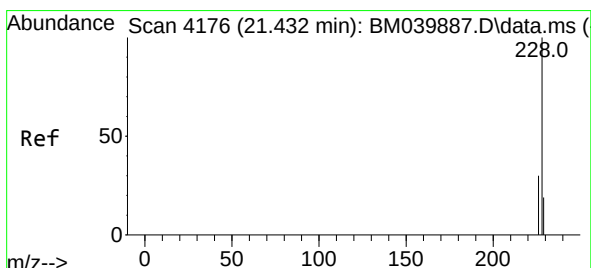
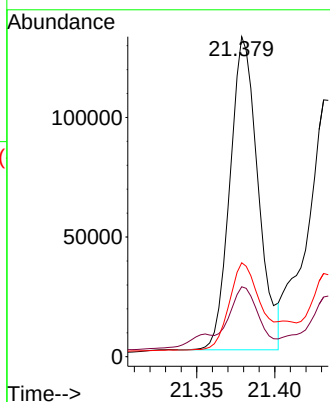
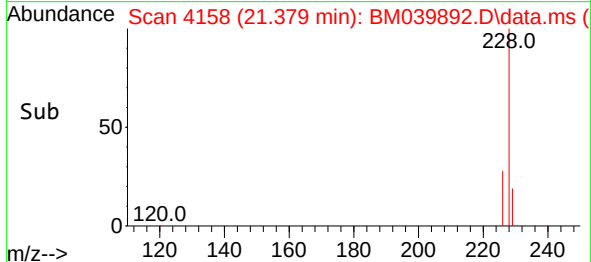
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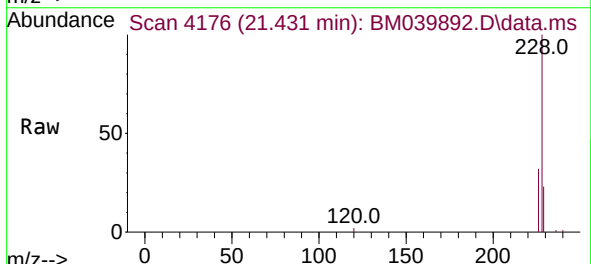
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Ion Ratio Lower Upper
228 100
229 21.8 16.2 24.2
226 29.4 21.6 32.4

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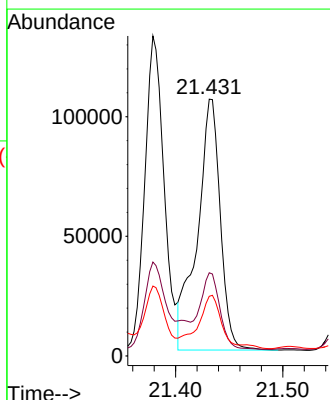
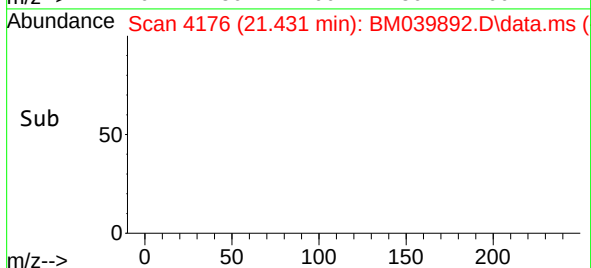
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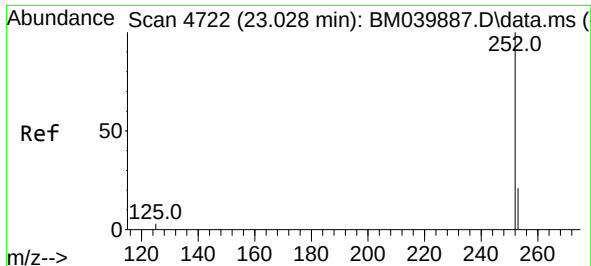


#22
Chrysene
Concen: 9.329 ng/u1
RT: 21.431 min Scan# 4176
Delta R.T. -0.001 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



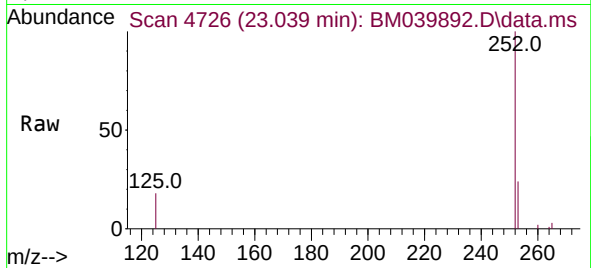
Tgt Ion:228 Resp: 156593
Ion Ratio Lower Upper
228 100
226 32.4 24.3 36.5
229 23.2 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 11.810 ng/ul m
RT: 23.039 min Scan# 4726
Delta R.T. 0.011 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

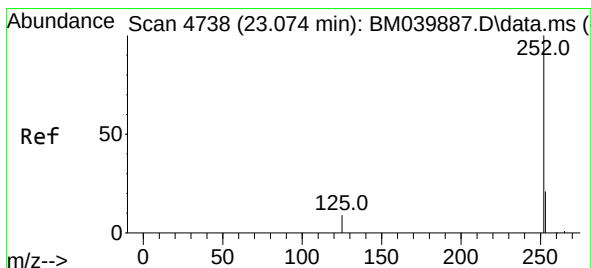
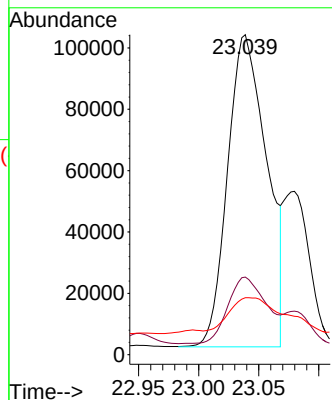
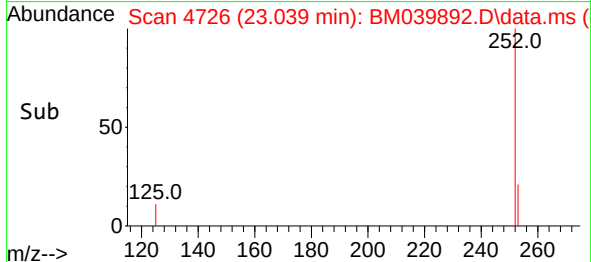
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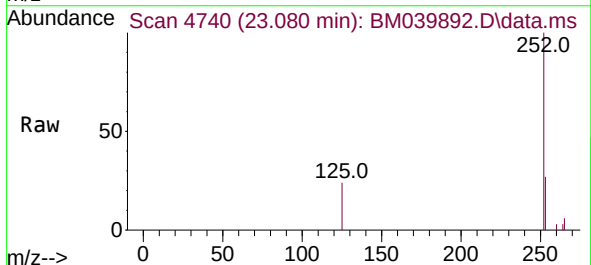
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Ion Ratio Lower Upper
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253 24.2 0.0 52.8
125 17.8 0.0 31.6

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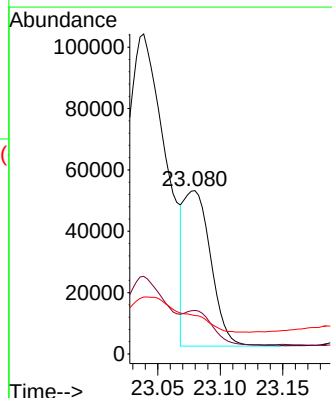
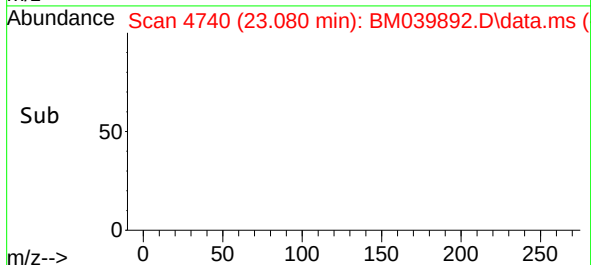
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

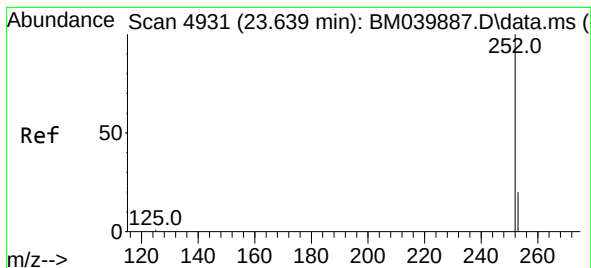


#25
Benzo(k)fluoranthene
Concen: 3.820 ng/ul m
RT: 23.080 min Scan# 4740
Delta R.T. 0.005 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



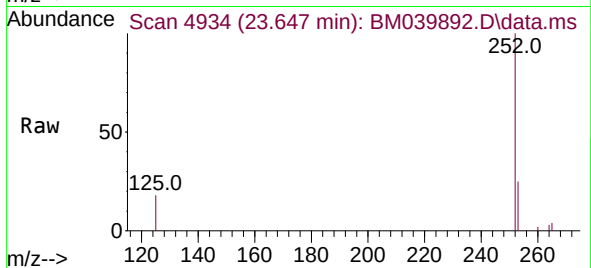
Tgt Ion:252 Resp: 76091
Ion Ratio Lower Upper
252 100
253 26.6 21.3 31.9
125 23.5 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 8.886 ng/ul
RT: 23.647 min Scan# 4931
Delta R.T. 0.008 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

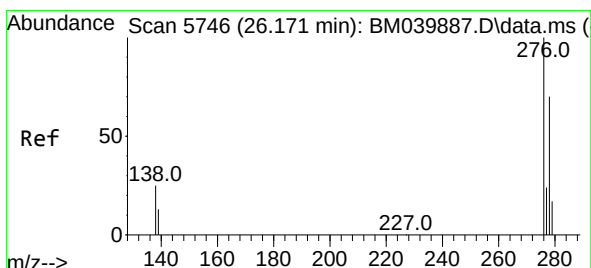
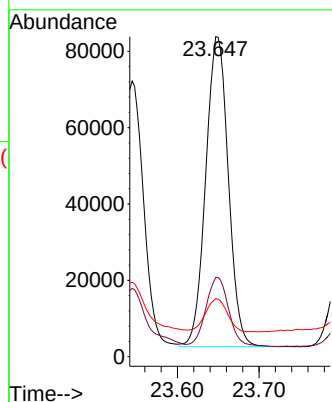
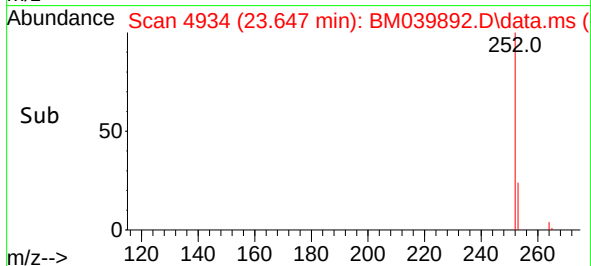
Instrument :
BNA_M
ClientSampleId :
EW947



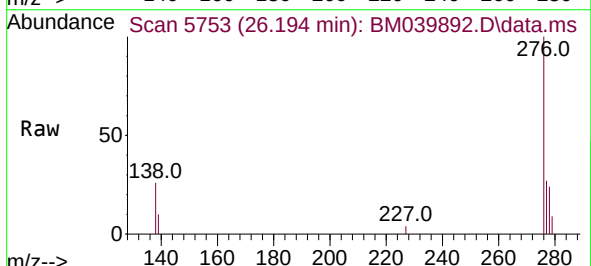
Tgt Ion:252 Resp: 156070
Ion Ratio Lower Upper
252 100
253 24.8 24.7 37.1
125 18.1 16.5 24.7

Manual Integrations
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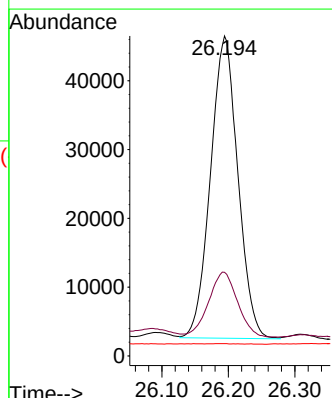
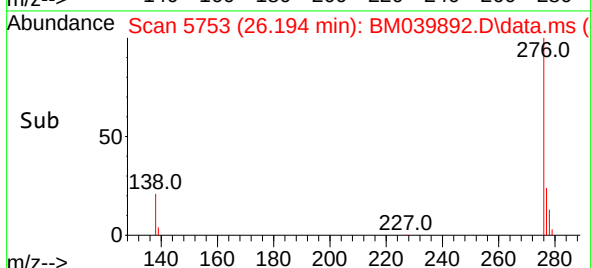
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

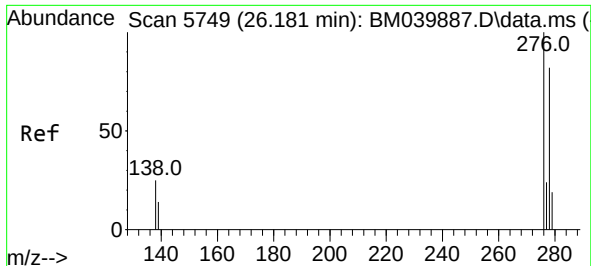


#27
Indeno(1,2,3-cd)pyrene
Concen: 5.661 ng/ul
RT: 26.194 min Scan# 5753
Delta R.T. 0.023 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08



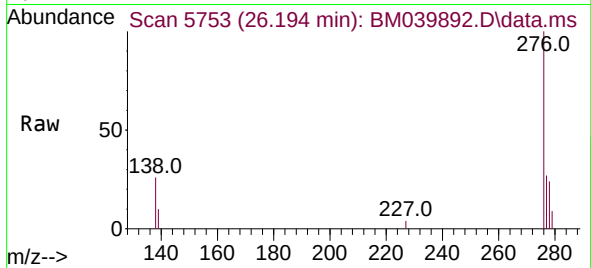
Tgt Ion:276 Resp: 125720
Ion Ratio Lower Upper
276 100
138 22.8 21.1 31.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 2.056 ng/ul
RT: 26.194 min Scan# 51
Delta R.T. 0.013 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

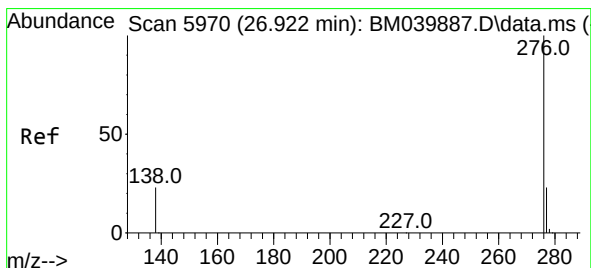
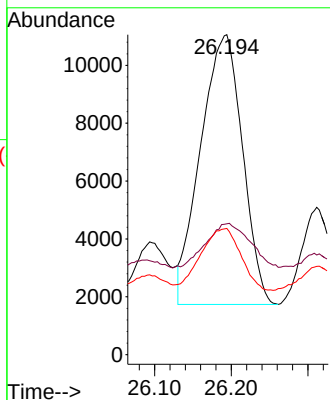
Instrument :
BNA_M
ClientSampleId :
EW947



Tgt Ion:278 Resp: 35440
Ion Ratio Lower Upper
278 100
139 40.9 17.0 25.6
279 39.4 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#29
Benzo(g,h,i)perylene
Concen: 6.979 ng/ul
RT: 26.949 min Scan# 5978
Delta R.T. 0.026 min
Lab File: BM039892.D
Acq: 09 May 2023 14:08

Tgt Ion:276 Resp: 135046
Ion Ratio Lower Upper
276 100
138 27.2 20.1 30.1
277 27.0 20.1 30.1

