

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039819.D
 Acq On : 03 May 2023 01:56
 Operator : CG/JU
 Sample : 02419-33
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW928

Manual Integrations
 APPROVED

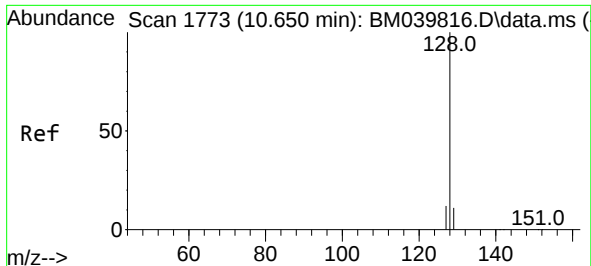
Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 03 04:19:05 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 02 18:41:11 2023
 Response via : Initial Calibration

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

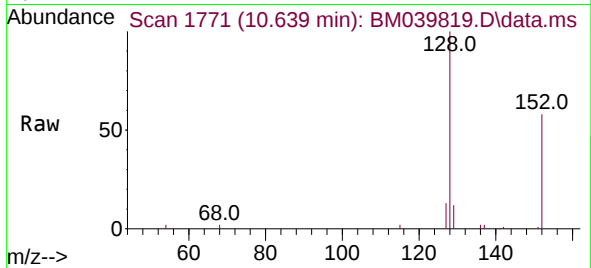
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	3789	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.589	136	12380	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.446	164	6950	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.200	188	22855	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.407	240	7271	0.400	ng/ul	# 0.00
23) Perylene-d12	23.766	264	8280	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.184	96	10770	1.929	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	2964	0.187	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	4139	0.212	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	39560	1.273	ng/ul	98
7) 2-Methylnaphthalene	12.261	142	29387	1.638	ng/ul	92
8) 1-Methylnaphthalene	12.481	142	18459	0.959	ng/ul	100
10) Acenaphthylene	14.168	152	32632	1.213	ng/ul#	87
11) Acenaphthene	14.506	153	16541	0.783	ng/ul	98
12) Fluorene	15.501	166	24083	1.027	ng/ul#	98
15) Phenanthrene	17.246	178	280452	4.658	ng/ul	100
16) Anthracene	17.335	178	69552	1.345	ng/ul	98
19) Fluoranthene	19.271	202	514901	19.850	ng/ul	98
20) Pyrene	19.638	202	472322	16.861	ng/ul	98
21) Benzo(a)anthracene	21.389	228	281097	13.446	ng/ul	97
22) Chrysene	21.442	228	297384	12.570	ng/ul	96
24) Benzo(b)fluoranthene	23.052	252	510365m	17.551	ng/ul	
25) Benzo(k)fluoranthene	23.090	252	162509m	5.489	ng/ul	
26) Benzo(a)pyrene	23.663	252	450793	17.267	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.213	276	330850	10.022	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.213	278	82637	3.225	ng/ul#	90
29) Benzo(g,h,i)perylene	26.967	276	352486	12.254	ng/ul	99

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



#5
Naphthalene
Concen: 1.273 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

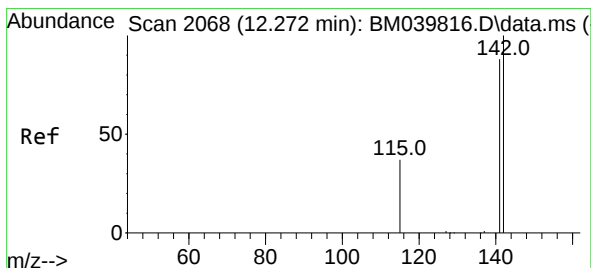
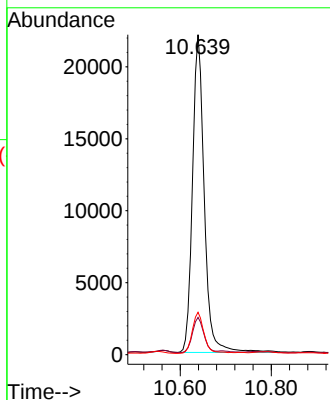
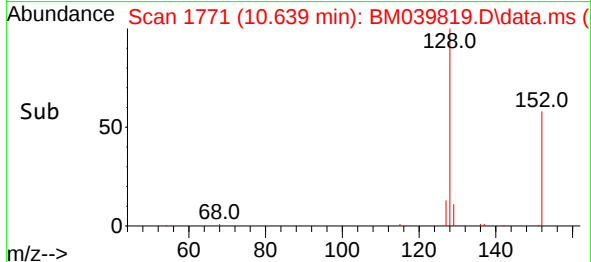
Instrument :
BNA_M
ClientSampleId :
EW928



Tgt Ion:128 Resp: 39560
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.2 11.1 16.7

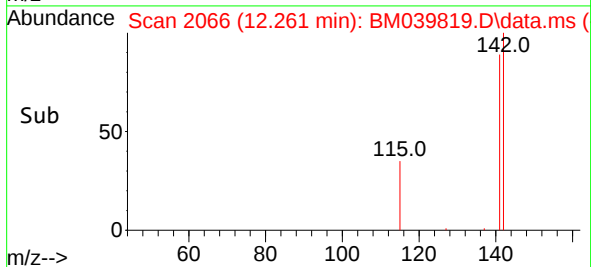
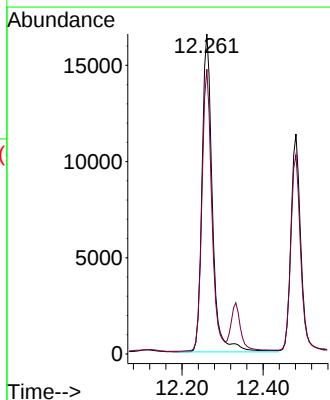
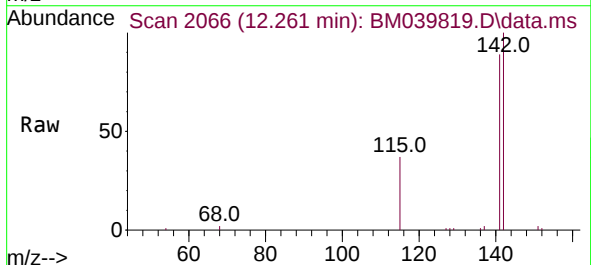
Manual Integrations
APPROVED

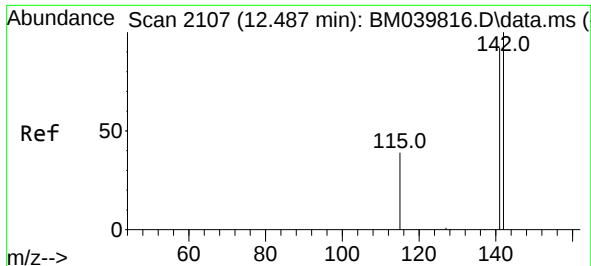
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#7
2-Methylnaphthalene
Concen: 1.638 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.011 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

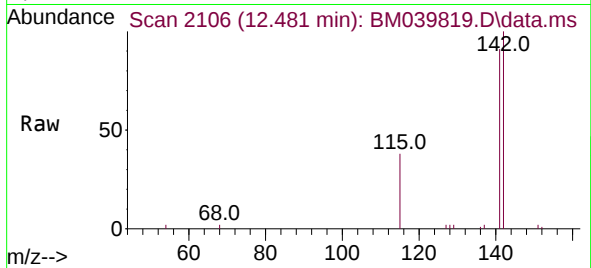
Tgt Ion:142 Resp: 29387
Ion Ratio Lower Upper
142 100
141 84.4 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.959 ng/ul
RT: 12.481 min Scan# 2106
Delta R.T. -0.005 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

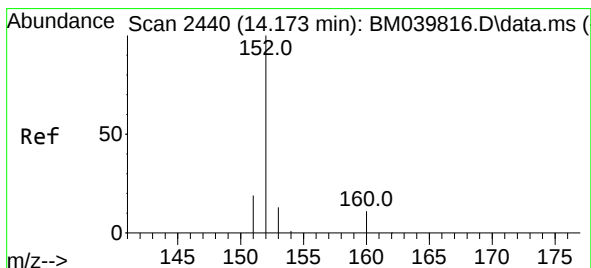
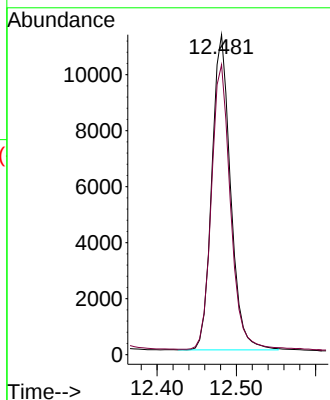
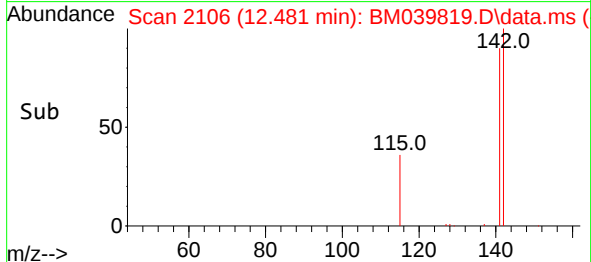
Instrument :
BNA_M
ClientSampleId :
EW928



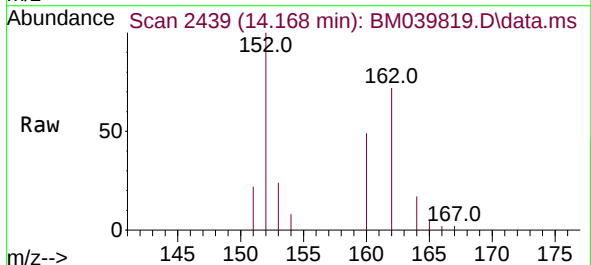
Tgt Ion:142 Resp: 18459
Ion Ratio Lower Upper
142 100
141 91.6 73.4 110.2

Manual Integrations
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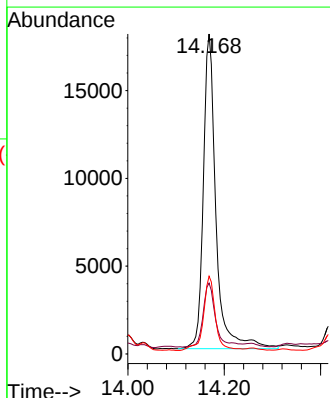
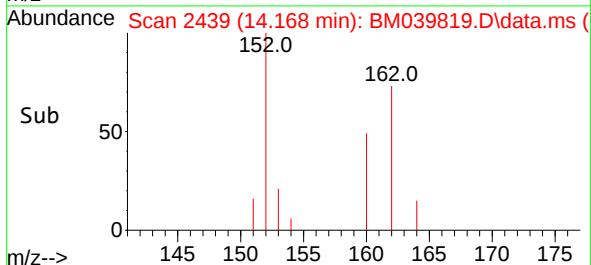
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

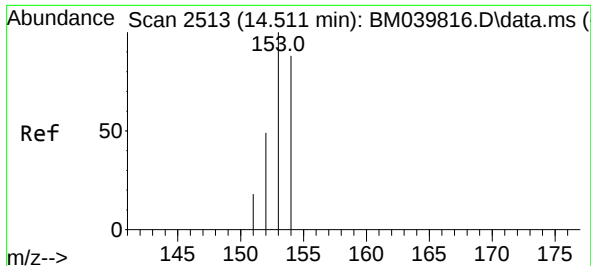


#10
Acenaphthylene
Concen: 1.213 ng/ul
RT: 14.168 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56



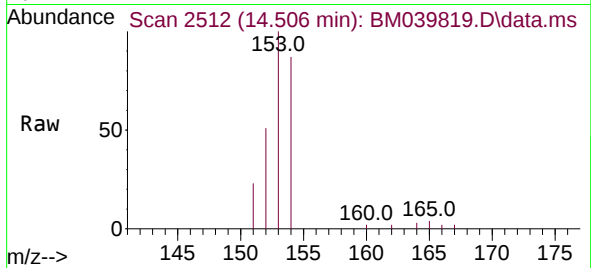
Tgt Ion:152 Resp: 32632
Ion Ratio Lower Upper
152 100
151 22.2 16.0 24.0
153 24.3 11.2 16.8#





#11
Acenaphthene
Concen: 0.783 ng/ul
RT: 14.506 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

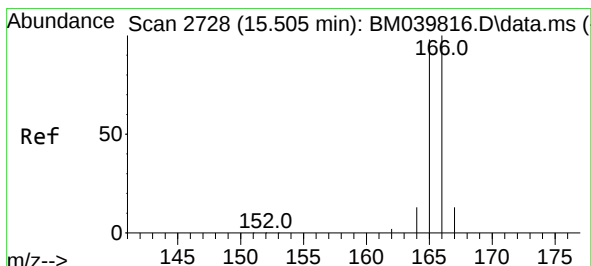
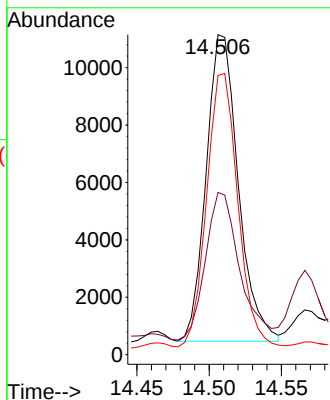
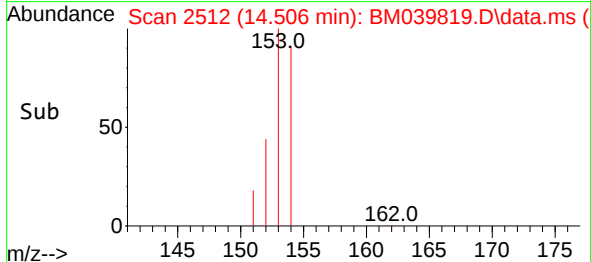
Instrument :
BNA_M
ClientSampleId :
EW928



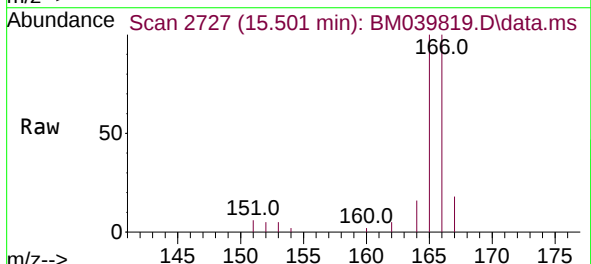
Tgt Ion:153 Resp: 1654
Ion Ratio Lower Upper
153 100
152 50.7 40.6 61.0
154 87.3 71.9 107.9

Manual Integrations
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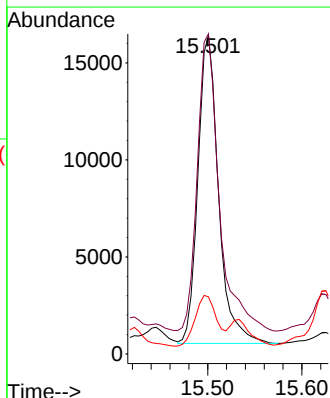
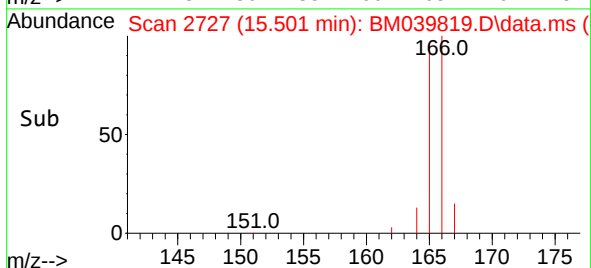
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

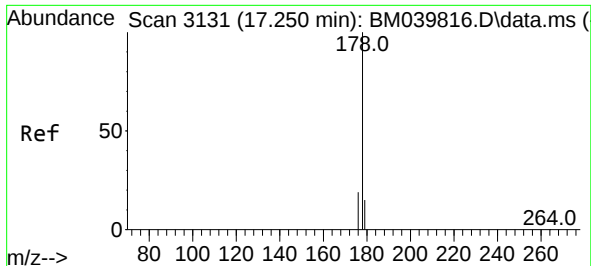


#12
Fluorene
Concen: 1.027 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.005 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56



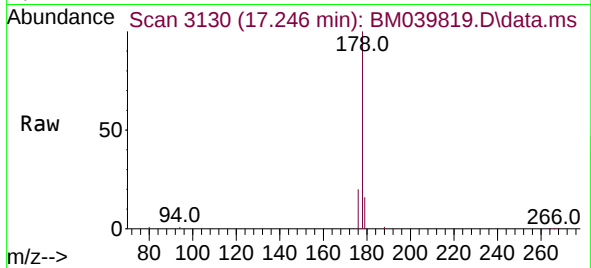
Tgt Ion:166 Resp: 24083
Ion Ratio Lower Upper
166 100
165 100.3 79.0 118.6
167 17.9 11.8 17.6#





#15
Phenanthrene
Concen: 4.658 ng/ul
RT: 17.246 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

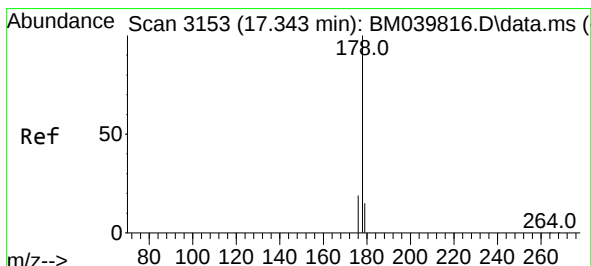
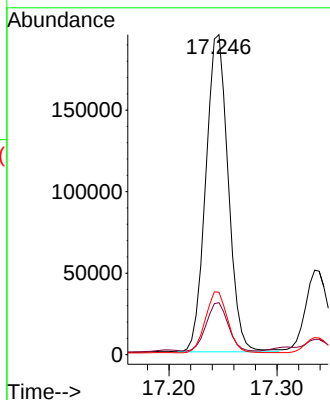
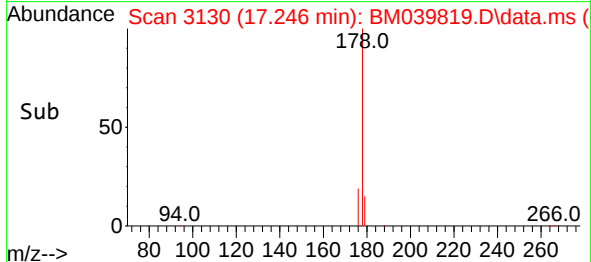
Instrument :
BNA_M
ClientSampleId :
EW928



Tgt Ion:178 Resp: 280452
Ion Ratio Lower Upper
178 100
179 16.2 13.0 19.6
176 19.5 15.8 23.8

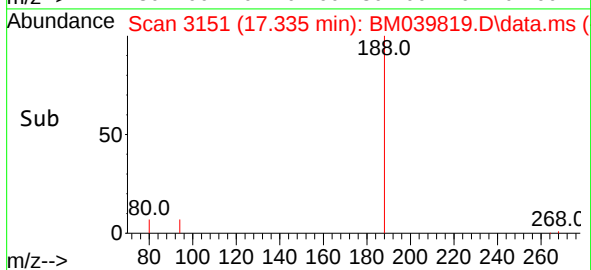
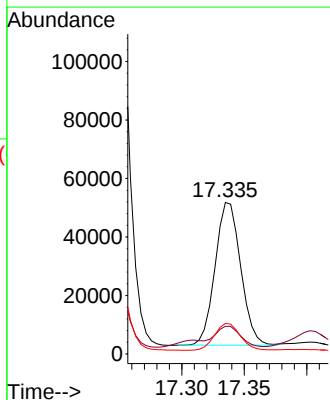
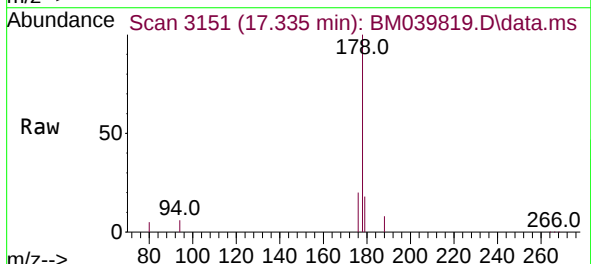
Manual Integrations
APPROVED

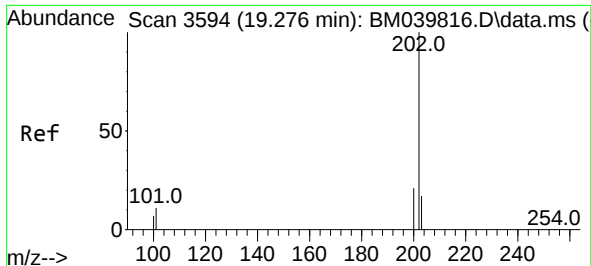
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#16
Anthracene
Concen: 1.345 ng/ul
RT: 17.335 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

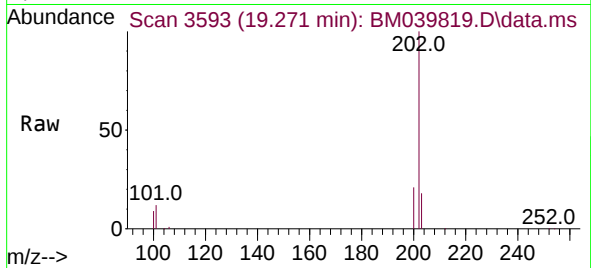
Tgt Ion:178 Resp: 69552
Ion Ratio Lower Upper
178 100
179 18.2 13.8 20.6
176 20.2 15.8 23.8





#19
Fluoranthene
Concen: 19.850 ng/u1
RT: 19.271 min Scan# 3594
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

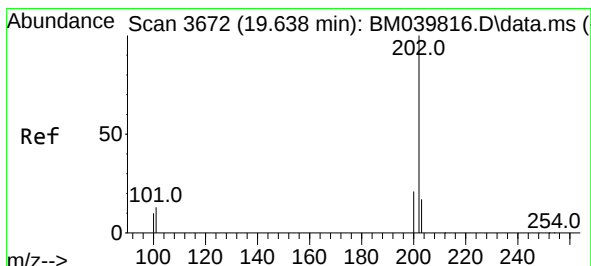
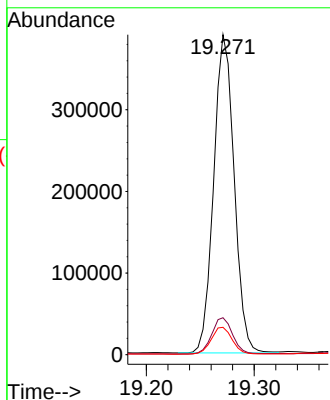
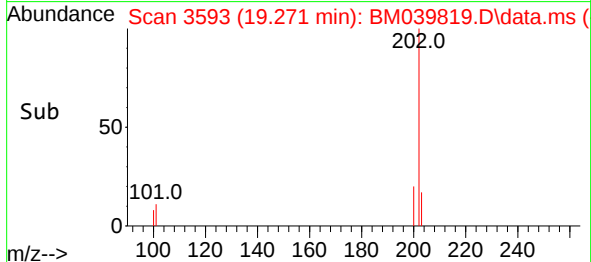
Instrument :
BNA_M
ClientSampleId :
EW928



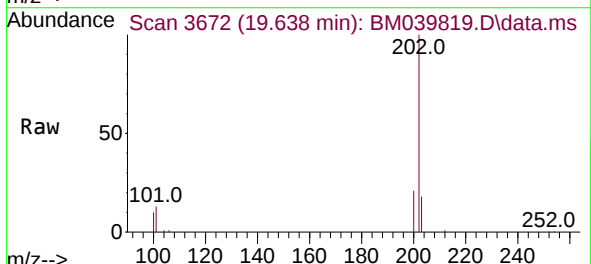
Tgt Ion:202 Resp: 51490
Ion Ratio Lower Upper
202 100
101 11.5 9.8 14.8
100 8.5 7.3 10.9

Manual Integrations
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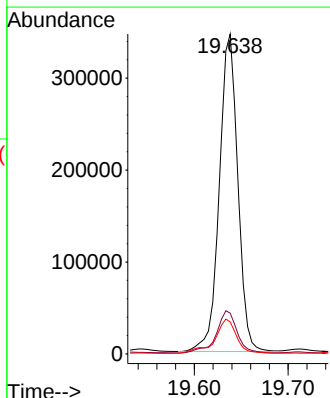
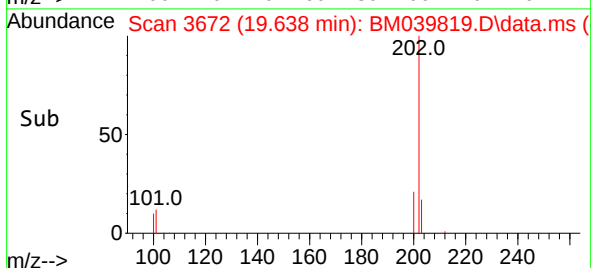
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

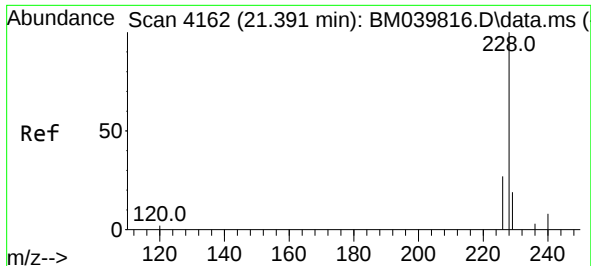


#20
Pyrene
Concen: 16.861 ng/u1
RT: 19.638 min Scan# 3672
Delta R.T. 0.005 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56



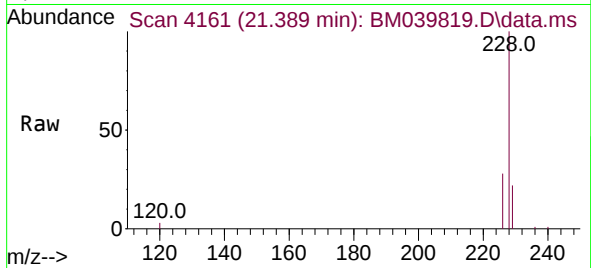
Tgt Ion:202 Resp: 472322
Ion Ratio Lower Upper
202 100
101 12.7 10.9 16.3
100 10.0 8.9 13.3





#21
Benzo(a)anthracene
Concen: 13.446 ng/u1
RT: 21.389 min Scan# 4161
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

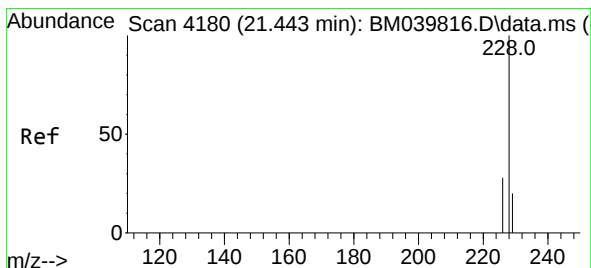
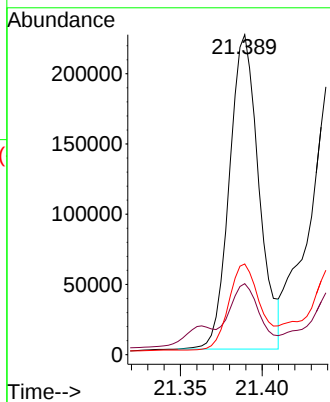
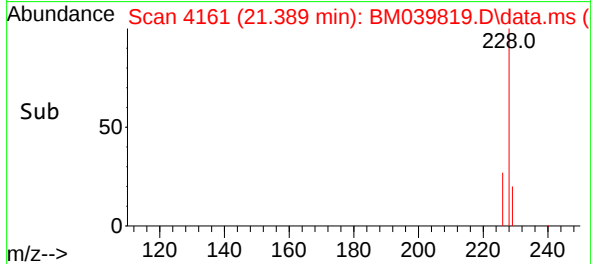
Instrument :
BNA_M
ClientSampleId :
EW928



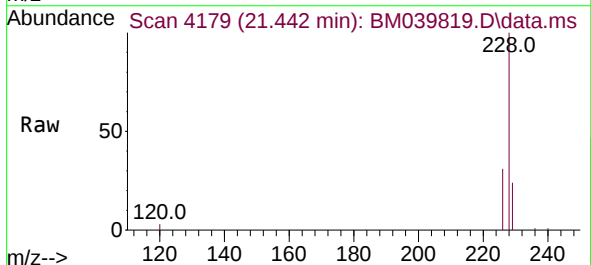
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Ion Ratio Lower Upper
228 100
229 22.2 16.2 24.2
226 28.4 21.6 32.4

Manual Integrations
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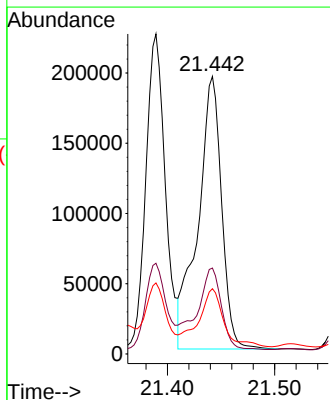
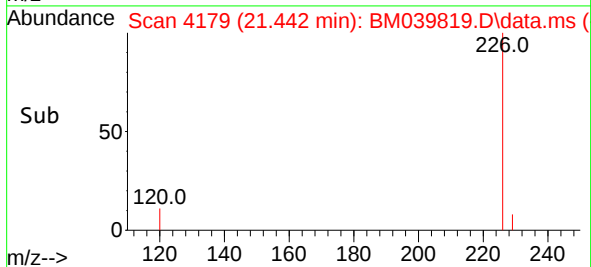
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

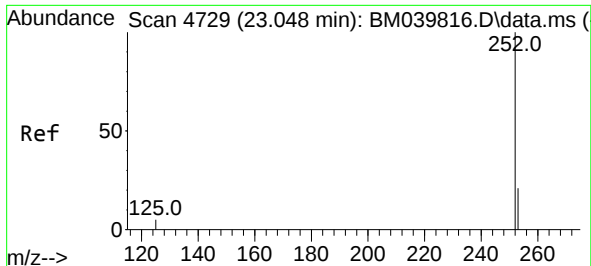


#22
Chrysene
Concen: 12.570 ng/u1
RT: 21.442 min Scan# 4179
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56



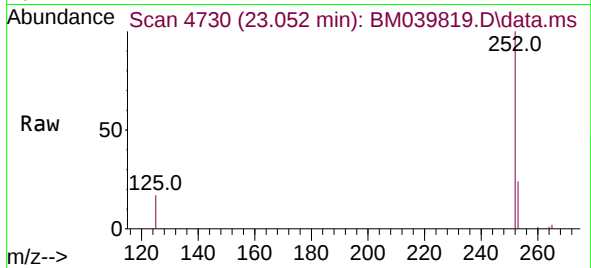
Tgt Ion:228 Resp: 297384
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 23.5 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 17.551 ng/ul m
RT: 23.052 min Scan# 4730
Delta R.T. 0.009 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

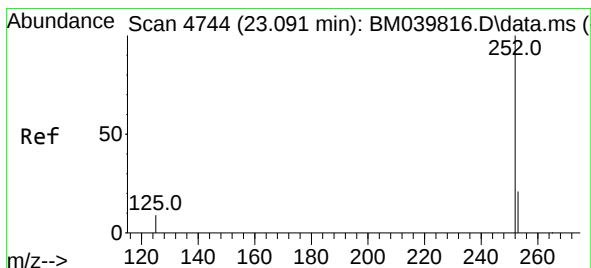
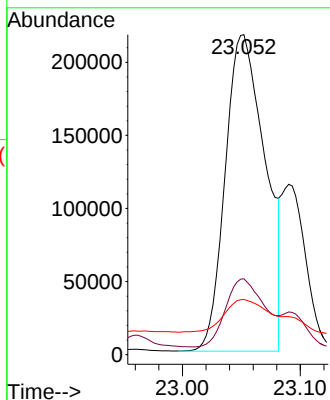
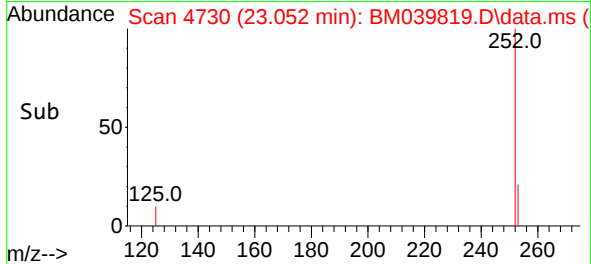
Instrument :
BNA_M
ClientSampleId :
EW928



Tgt Ion:252 Resp: 51036
Ion Ratio Lower Upper
252 100
253 23.7 0.0 52.8
125 17.3 0.0 31.6

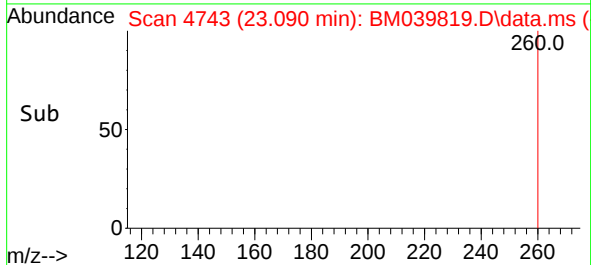
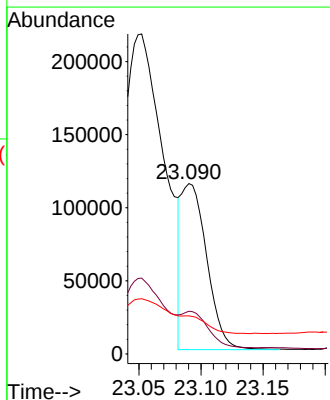
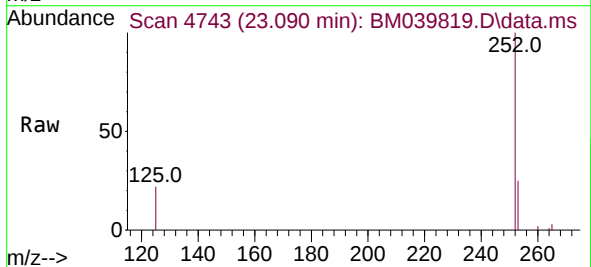
Manual Integrations
APPROVED

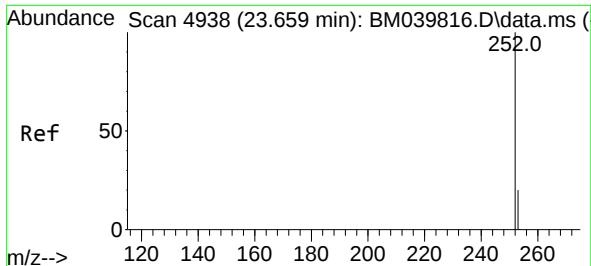
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#25
Benzo(k)fluoranthene
Concen: 5.489 ng/ul m
RT: 23.090 min Scan# 4743
Delta R.T. 0.003 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

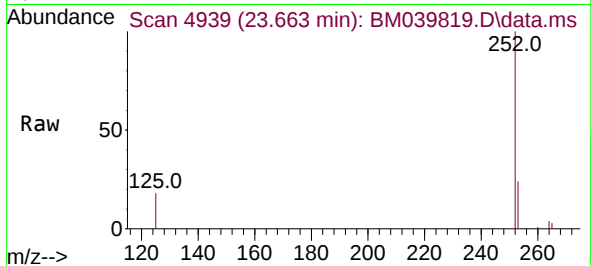
Tgt Ion:252 Resp: 162509
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 22.4 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 17.267 ng/ul
RT: 23.663 min Scan# 4939
Delta R.T. 0.006 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

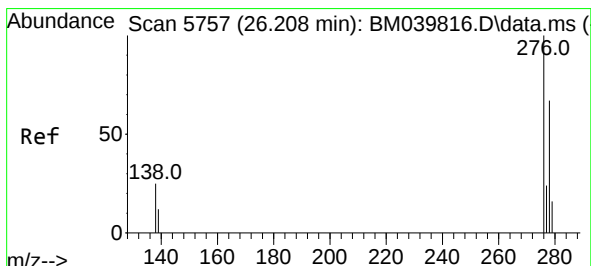
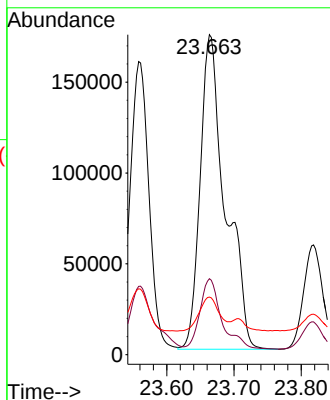
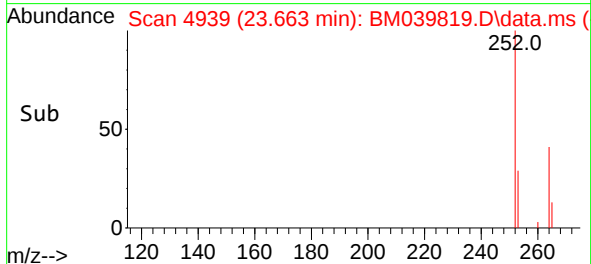
Instrument :
BNA_M
ClientSampleId :
EW928



Tgt Ion:252 Resp: 45079
Ion Ratio Lower Upper
252 100
253 23.7 24.7 37.1
125 18.0 16.5 24.7

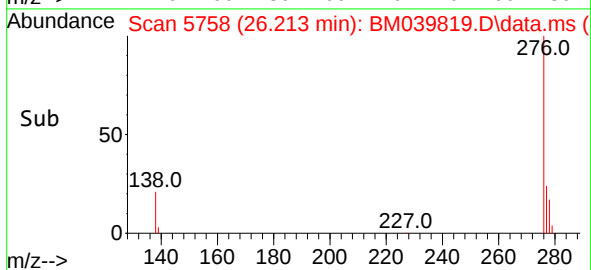
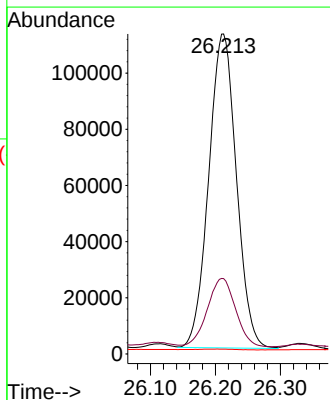
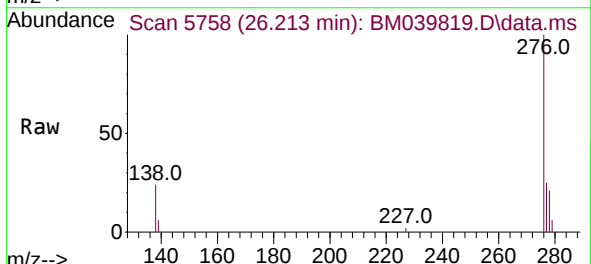
Manual Integrations
APPROVED

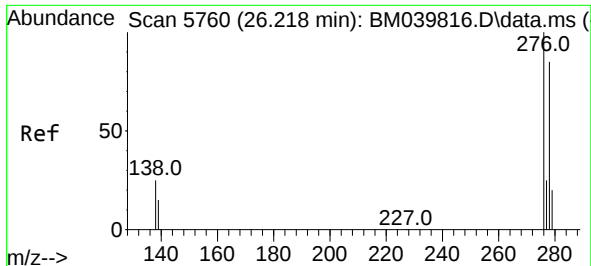
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 10.022 ng/ul
RT: 26.213 min Scan# 5758
Delta R.T. 0.010 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

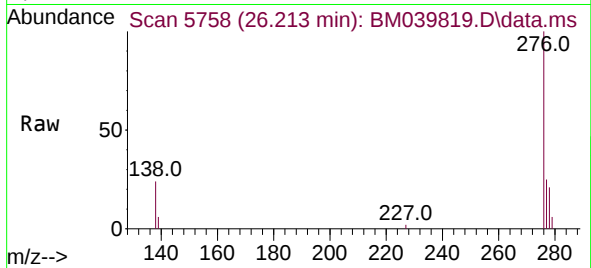
Tgt Ion:276 Resp: 330850
Ion Ratio Lower Upper
276 100
138 22.2 21.1 31.7
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 3.225 ng/ul
RT: 26.213 min Scan# 5758
Delta R.T. 0.000 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56

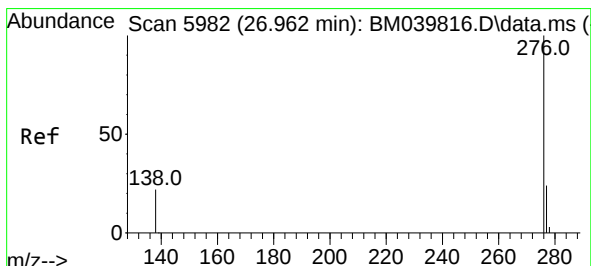
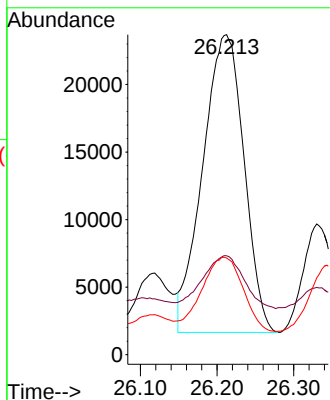
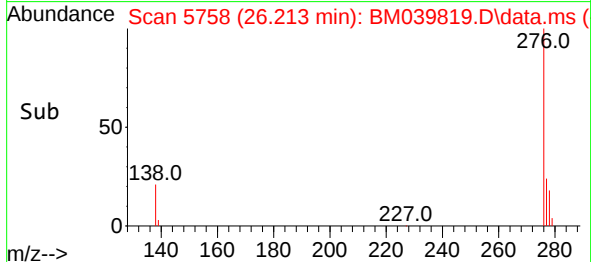
Instrument :
BNA_M
ClientSampleId :
EW928



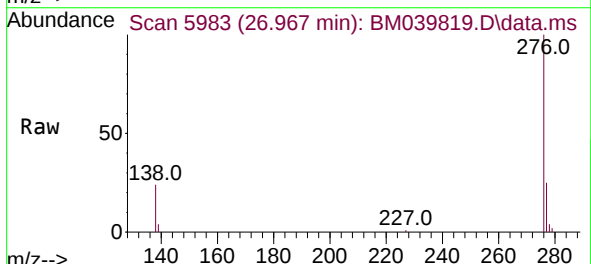
Tgt Ion:278 Resp: 8263
Ion Ratio Lower Upper
278 100
139 30.9 17.0 25.6
279 30.2 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#29
Benzo(g,h,i)perylene
Concen: 12.254 ng/ul
RT: 26.967 min Scan# 5983
Delta R.T. 0.020 min
Lab File: BM039819.D
Acq: 03 May 2023 01:56



Tgt Ion:276 Resp: 352486
Ion Ratio Lower Upper
276 100
138 24.2 20.1 30.1
277 24.6 20.1 30.1

