

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041849.D
 Acq On : 14 Sep 2023 02:47
 Operator : MA/JU
 Sample : 04175-03DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYG7DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 04:57:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	7367	0.400	ng/ul	0.00
4) Naphthalene-d8	10.785	136	19792	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.615	164	11041	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	24892	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.536	240	13472	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	16167	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	3113	0.332	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.369	152	793	0.029	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	1840	0.040	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.834	128	46799	0.702	ng/ul	99
7) 2-Methylnaphthalene	12.440	142	23784	0.593	ng/ul	100
8) 1-Methylnaphthalene	12.660	142	16571	0.405	ng/ul	100
10) Acenaphthylene	14.342	152	6297	0.091	ng/ul#	85
11) Acenaphthene	14.676	153	19034	0.359	ng/ul	98
12) Fluorene	15.661	166	32142	0.519	ng/ul	98
15) Phenanthrene	17.409	178	342283	3.150	ng/ul	99
16) Anthracene	17.498	178	69516	0.734	ng/ul	98
19) Fluoranthene	19.418	202	451473	4.327	ng/ul	98
20) Pyrene	19.785	202	364048	3.332	ng/ul	99
21) Benzo(a)anthracene	21.519	228	144793	1.629	ng/ul	96
22) Chrysene	21.574	228	174260	1.915	ng/ul#	95
24) Benzo(b)fluoranthene	23.211	252	205818	1.789	ng/ul	89
25) Benzo(k)fluoranthene	23.255	252	78251m	0.738	ng/ul	
26) Benzo(a)pyrene	23.845	252	140061	1.597	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.448	276	96787	0.718	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.465	278	25132	0.253	ng/ul#	53
29) Benzo(g,h,i)perylene	27.233	276	89452	0.784	ng/ul	96

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

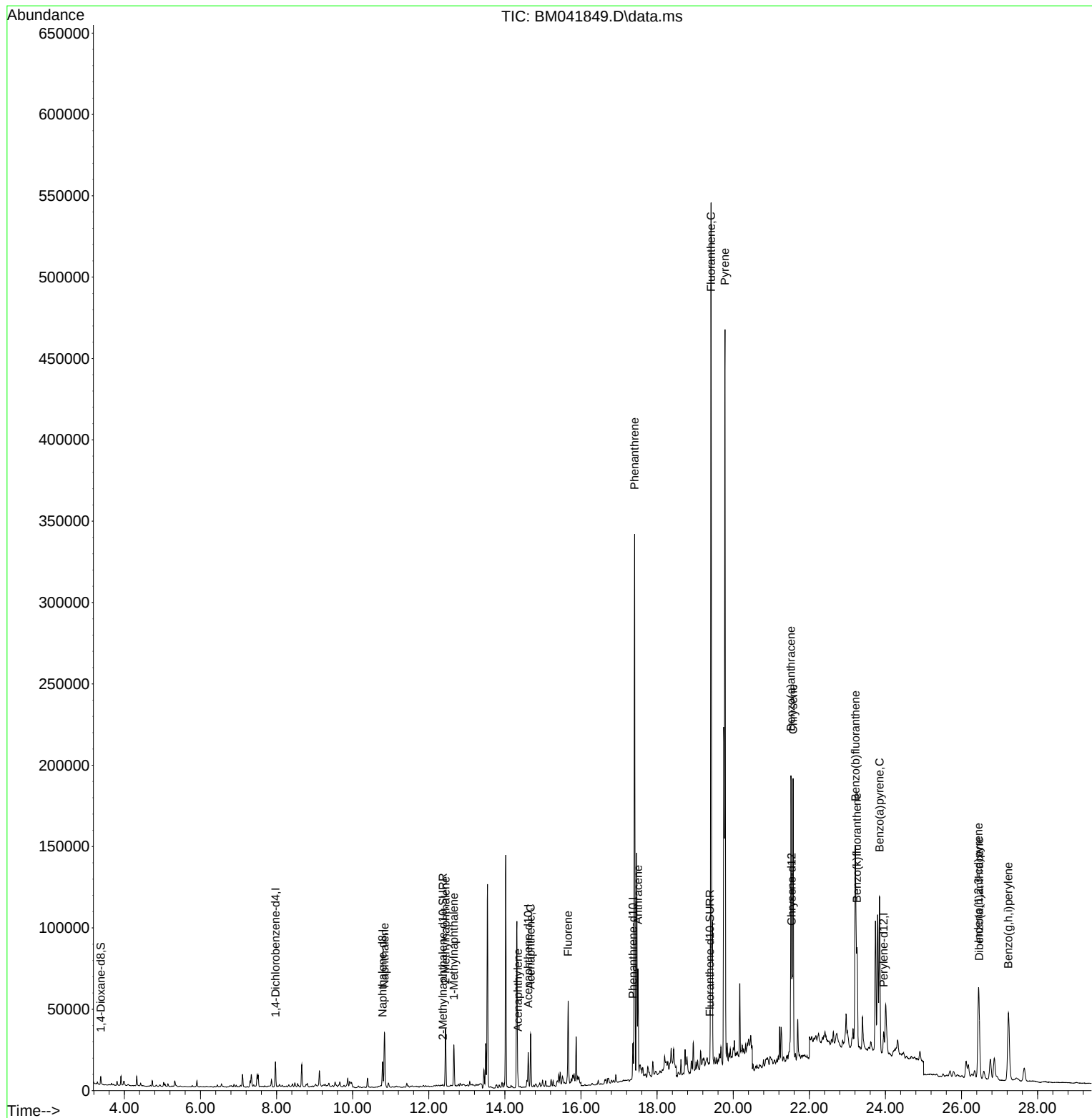
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041849.D
Acq On : 14 Sep 2023 02:47
Operator : MA/JU
Sample : 04175-03DL 5X
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ALS Vial : 25 Sample Multiplier: 1

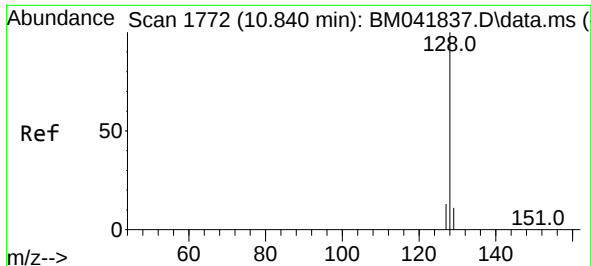
Instrument :
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EZYG7DL

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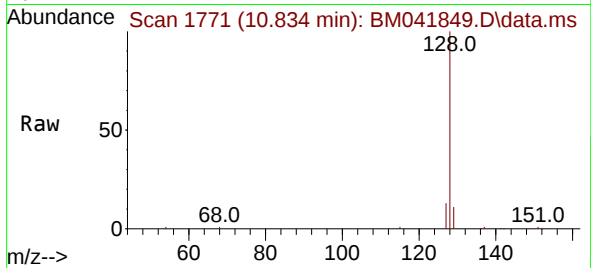
Quant Time: Sep 14 04:57:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 13 16:15:23 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.702 ng/ul
RT: 10.834 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

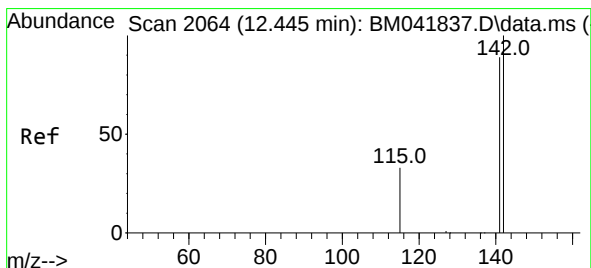
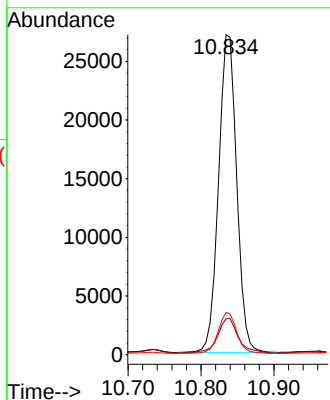
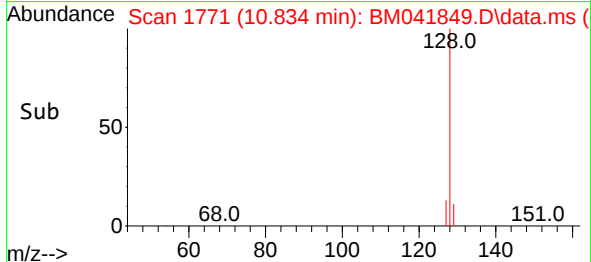
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



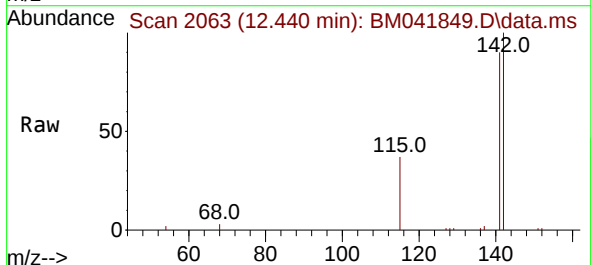
Tgt Ion:128 Resp: 46799
Ion Ratio Lower Upper
128 100
129 11.2 9.5 14.3
127 13.2 10.7 16.1

Manual Integrations
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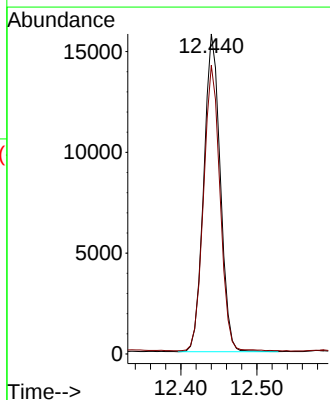
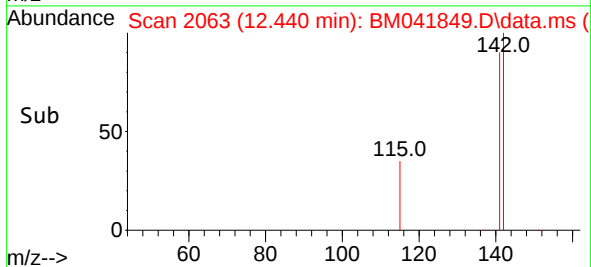
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

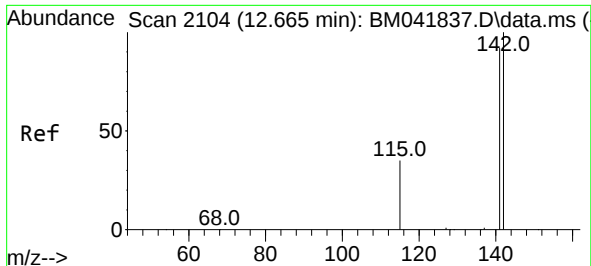


#7
2-Methylnaphthalene
Concen: 0.593 ng/ul
RT: 12.440 min Scan# 2063
Delta R.T. -0.005 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47



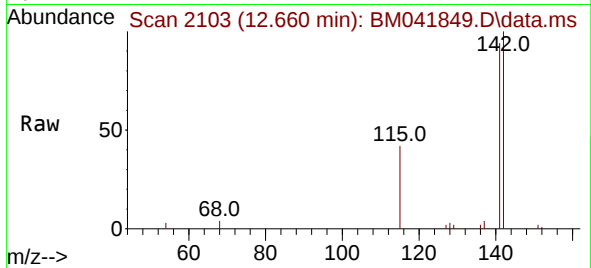
Tgt Ion:142 Resp: 23784
Ion Ratio Lower Upper
142 100
141 90.0 72.1 108.1





#8
1-Methylnaphthalene
Concen: 0.405 ng/ul
RT: 12.660 min Scan# 2104
Delta R.T. -0.005 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

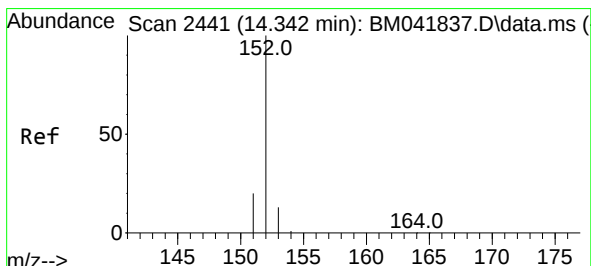
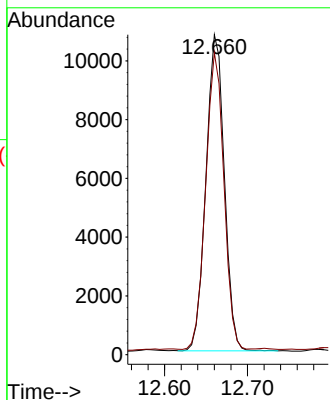
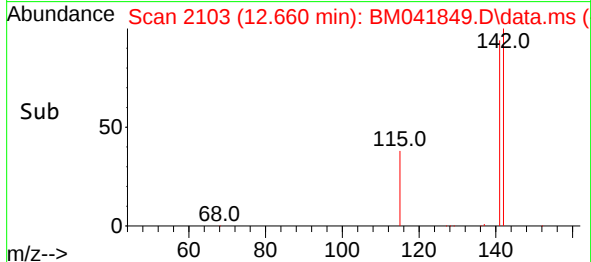
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



Tgt Ion:142 Resp: 1657
Ion Ratio Lower Upper
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141 93.1 74.3 111.5

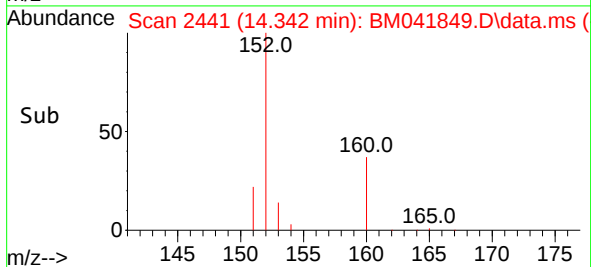
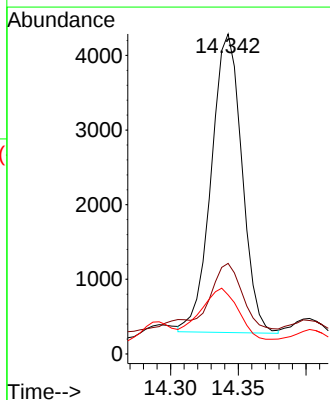
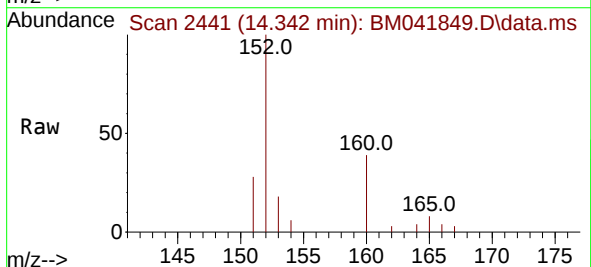
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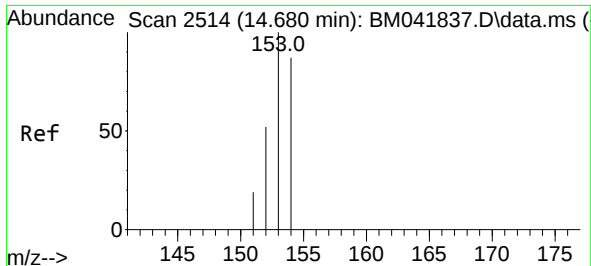
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#10
Acenaphthylene
Concen: 0.091 ng/ul
RT: 14.342 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

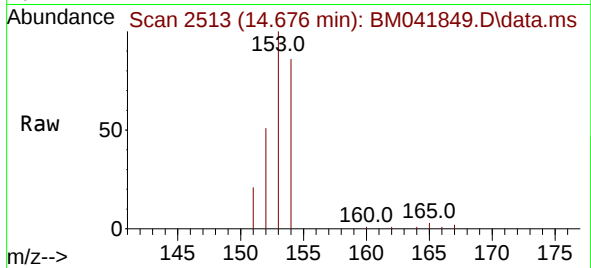
Tgt Ion:152 Resp: 6297
Ion Ratio Lower Upper
152 100
151 28.3 16.3 24.5#
153 18.4 10.9 16.3#





#11
Acenaphthene
Concen: 0.359 ng/ul
RT: 14.676 min Scan# 2133
Delta R.T. -0.004 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

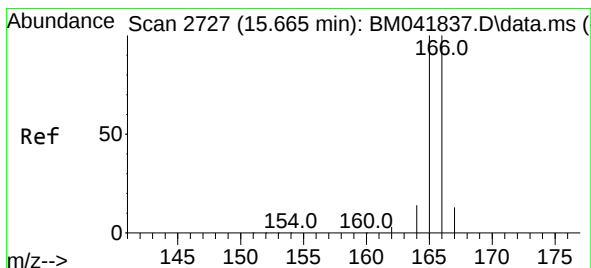
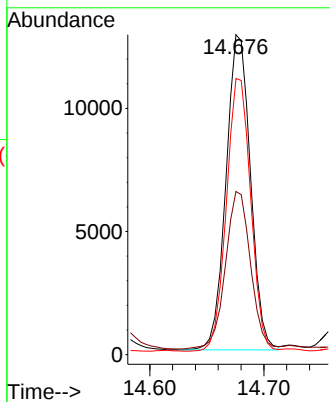
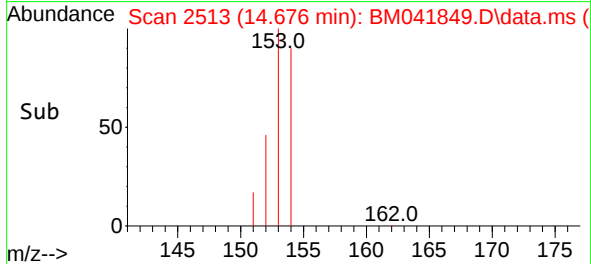
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



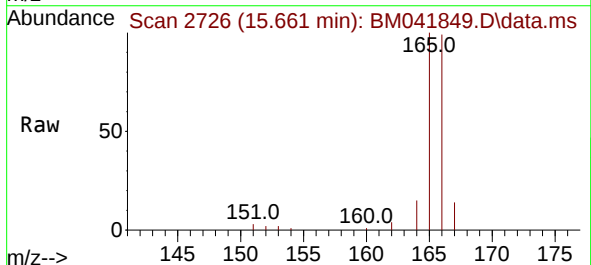
Tgt Ion:153 Resp: 19034
Ion Ratio Lower Upper
153 100
152 51.0 41.5 62.3
154 86.3 70.7 106.1

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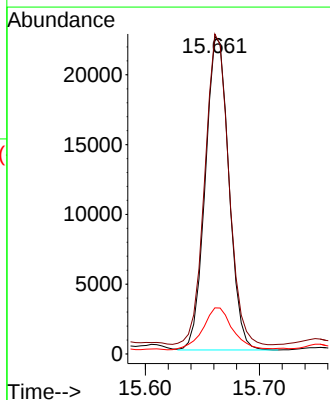
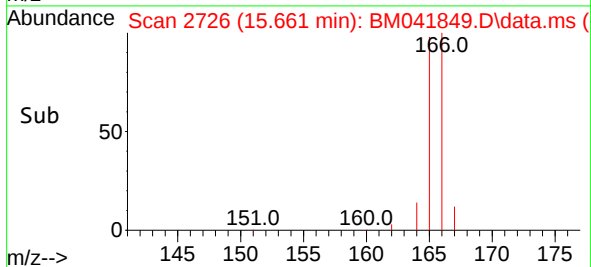
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

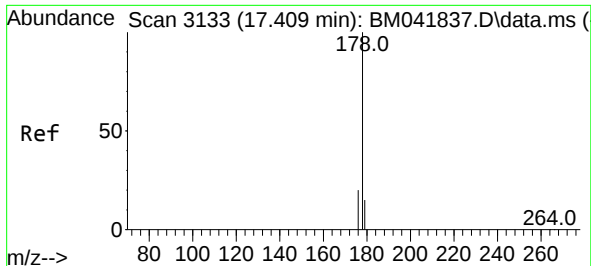


#12
Fluorene
Concen: 0.519 ng/ul
RT: 15.661 min Scan# 2726
Delta R.T. -0.004 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47



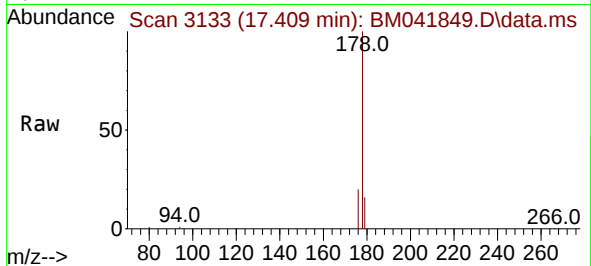
Tgt Ion:166 Resp: 32142
Ion Ratio Lower Upper
166 100
165 100.8 79.3 118.9
167 14.5 11.2 16.8





#15
Phenanthrene
Concen: 3.150 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

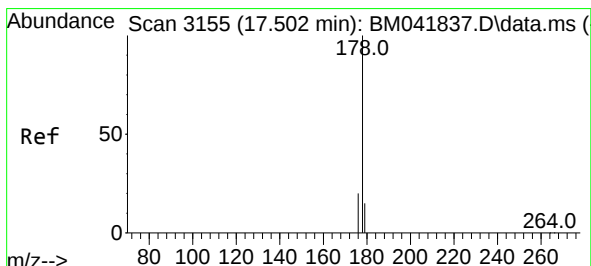
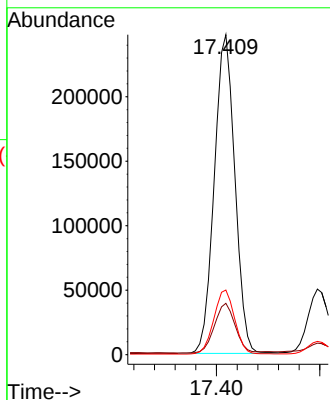
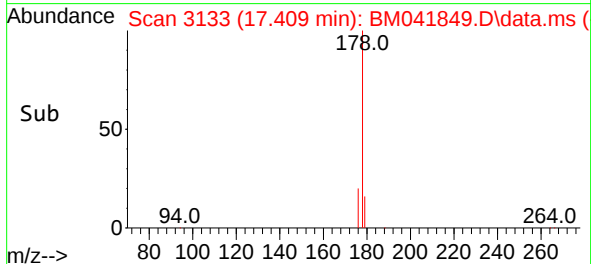
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



Tgt Ion:178 Resp: 342283
Ion Ratio Lower Upper
178 100
179 16.1 12.6 19.0
176 20.2 16.6 25.0

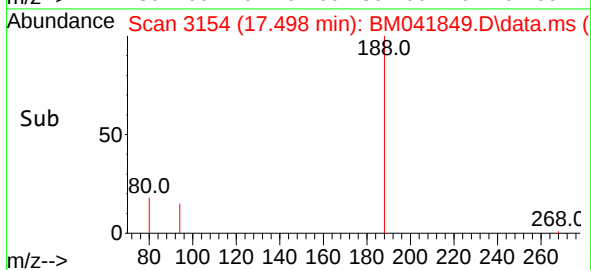
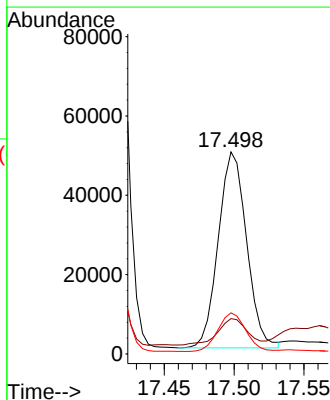
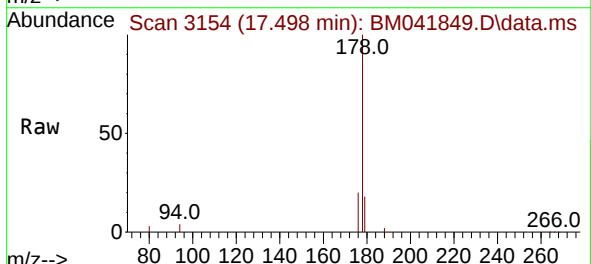
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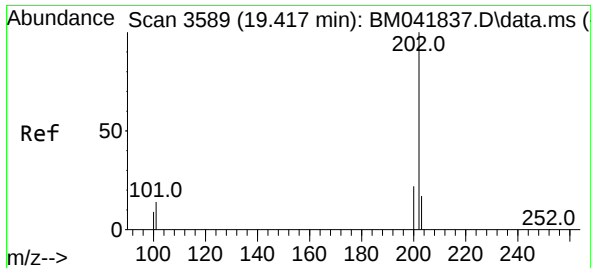
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#16
Anthracene
Concen: 0.734 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

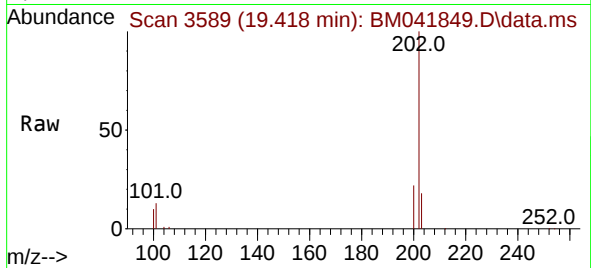
Tgt Ion:178 Resp: 69516
Ion Ratio Lower Upper
178 100
179 17.5 12.7 19.1
176 20.3 16.1 24.1





#19
Fluoranthene
Concen: 4.327 ng/u1
RT: 19.418 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

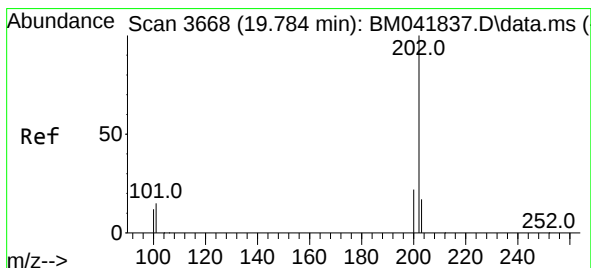
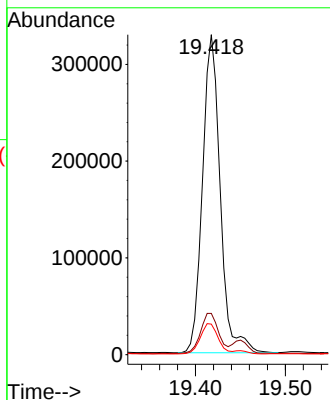
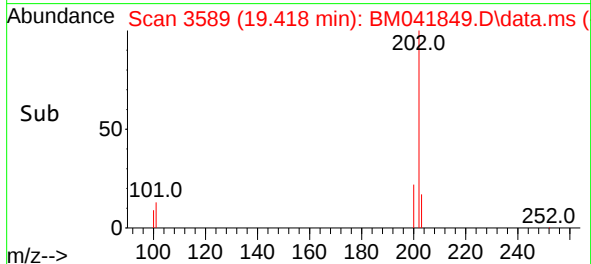
Instrument :
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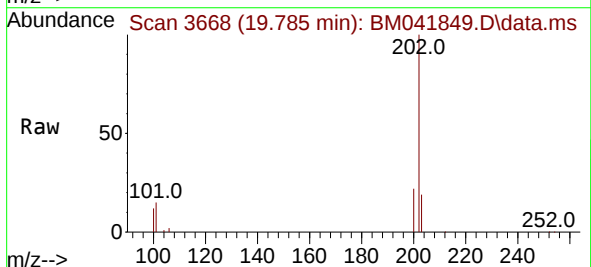
Tgt Ion:202 Resp: 45147
Ion Ratio Lower Upper
202 100
101 12.9 11.0 16.6
100 9.6 8.2 12.4

Manual Integrations
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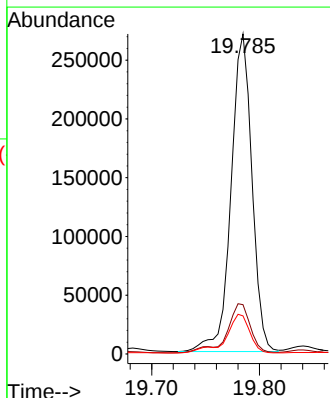
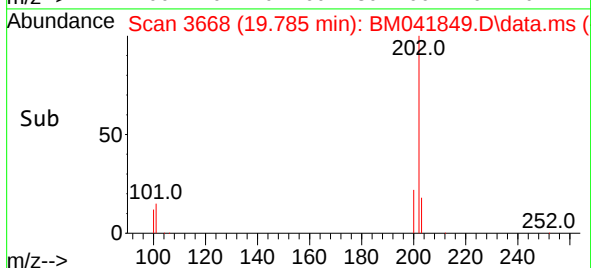
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

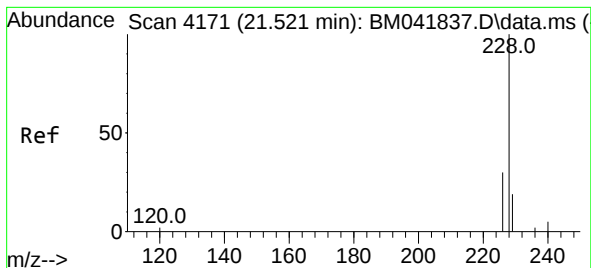


#20
Pyrene
Concen: 3.332 ng/u1
RT: 19.785 min Scan# 3668
Delta R.T. 0.000 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47



Tgt Ion:202 Resp: 364048
Ion Ratio Lower Upper
202 100
101 15.4 12.6 19.0
100 11.9 9.9 14.9





#21

Benzo(a)anthracene

Concen: 1.629 ng/ul

RT: 21.519 min Scan# 4171

Delta R.T. -0.003 min

Lab File: BM041849.D

Acq: 14 Sep 2023 02:47

Instrument :

BNA_M

ClientSampleId :

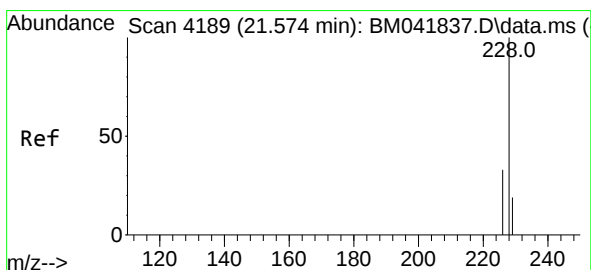
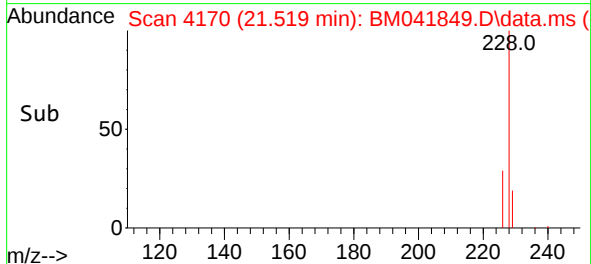
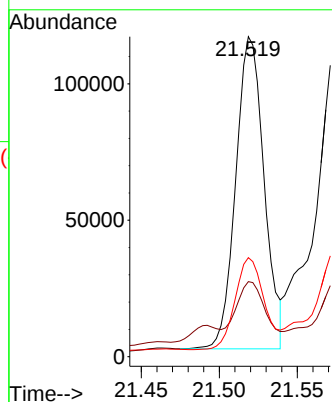
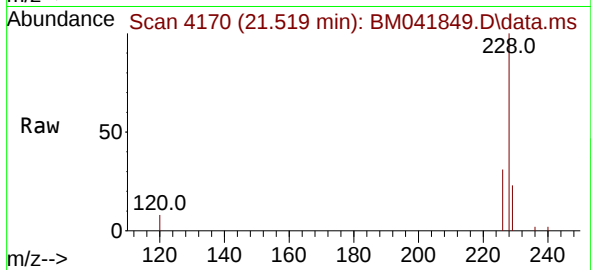
EZYG7DL

Tgt Ion:228	Resp: 14479
Ion Ratio	Lower Upper
228 100	
229 23.5	15.8 23.8
226 30.9	24.3 36.5

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#22

Chrysene

Concen: 1.915 ng/ul

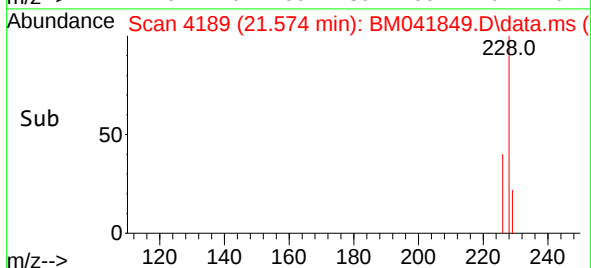
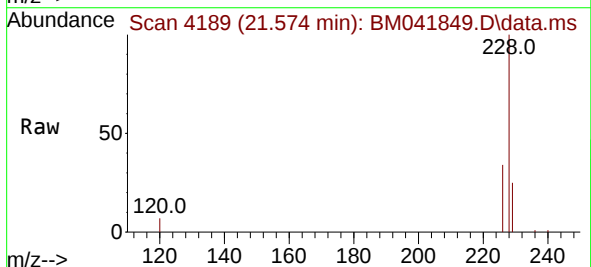
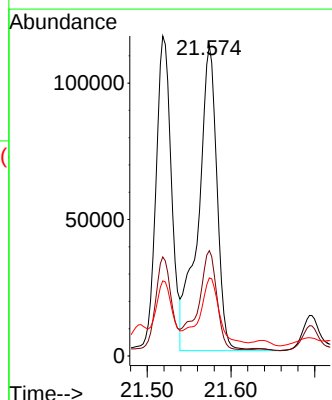
RT: 21.574 min Scan# 4189

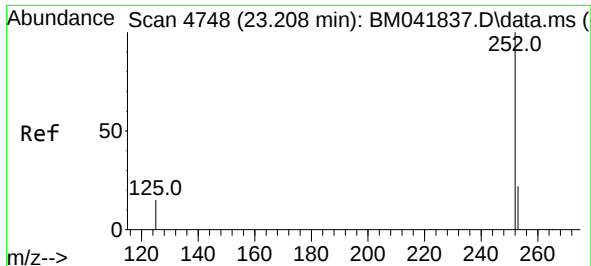
Delta R.T. -0.003 min

Lab File: BM041849.D

Acq: 14 Sep 2023 02:47

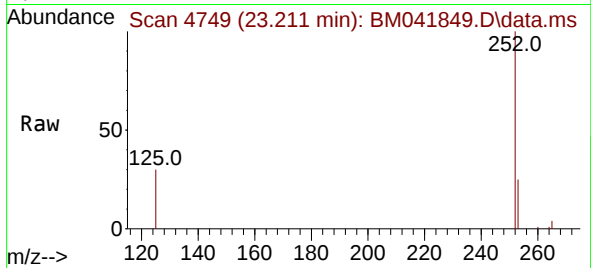
Tgt Ion:228	Resp: 174260
Ion Ratio	Lower Upper
228 100	
226 33.9	27.0 40.4
229 25.1	15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 1.789 ng/ul
RT: 23.211 min Scan# 4749
Delta R.T. 0.003 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

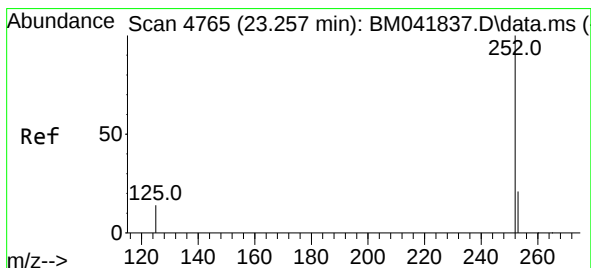
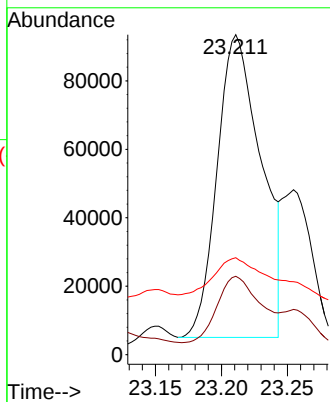
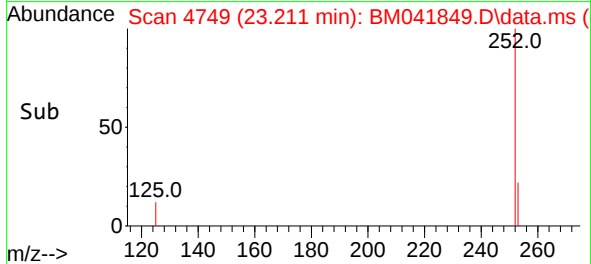
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



Tgt Ion:252 Resp: 205818
Ion Ratio Lower Upper
252 100
253 24.5 0.0 51.0
125 30.3 0.0 39.8

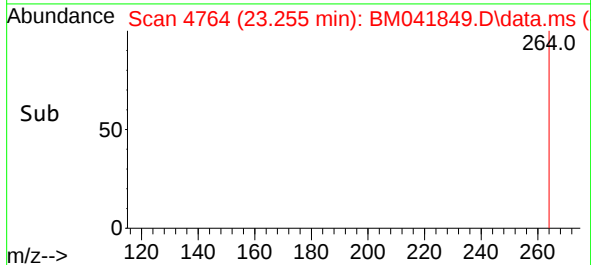
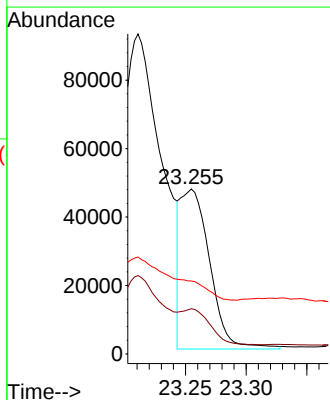
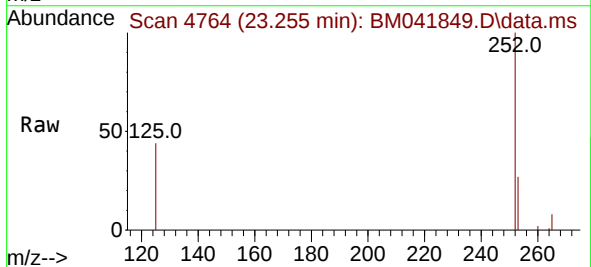
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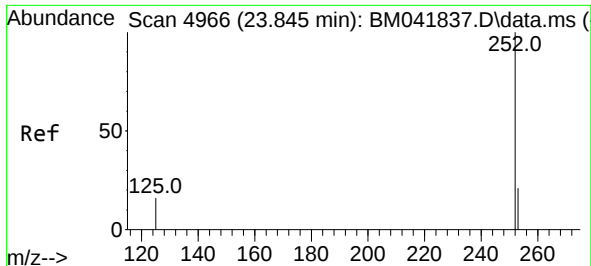
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#25
Benzo(k)fluoranthene
Concen: 0.738 ng/ul m
RT: 23.255 min Scan# 4764
Delta R.T. -0.006 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

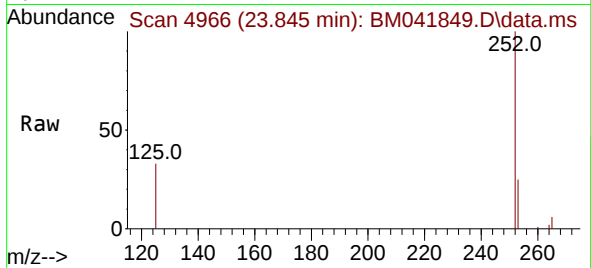
Tgt Ion:252 Resp: 78251
Ion Ratio Lower Upper
252 100
253 27.5 20.2 30.2
125 44.3 15.8 23.8#





#26
Benzo(a)pyrene
Concen: 1.597 ng/ul
RT: 23.845 min Scan# 4966
Delta R.T. 0.000 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

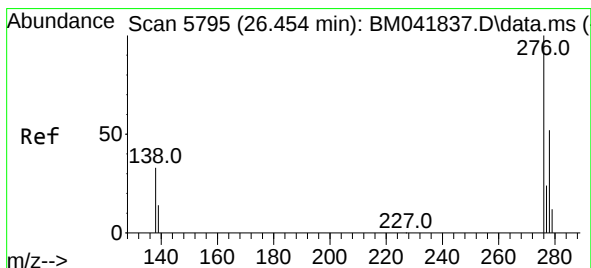
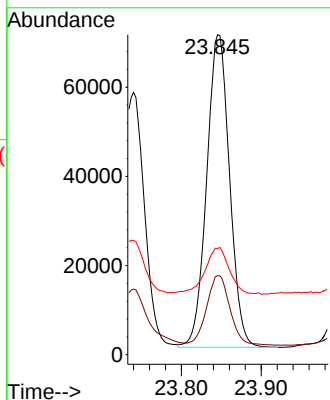
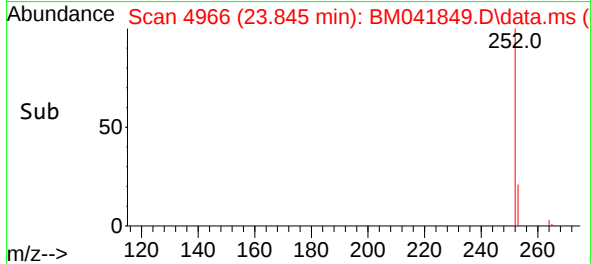
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



Tgt Ion:252 Resp: 140063
Ion Ratio Lower Upper
252 100
253 24.7 21.8 32.8
125 33.2 18.8 28.2

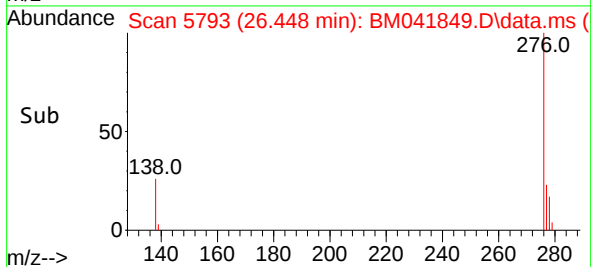
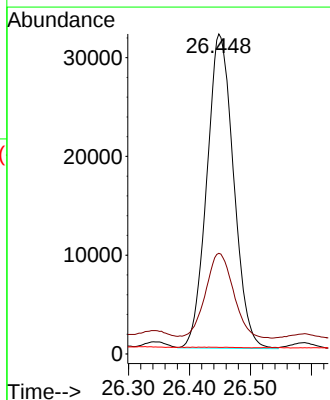
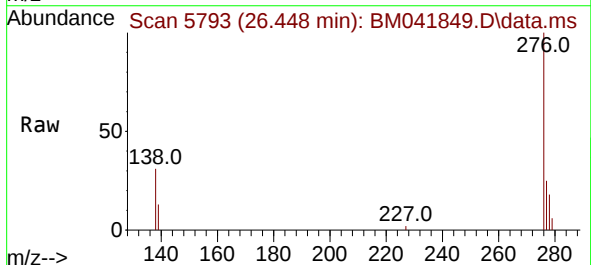
Manual Integrations
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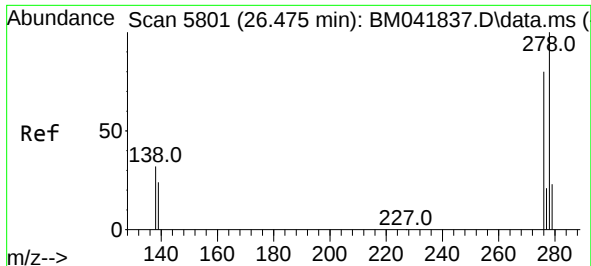
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.718 ng/ul
RT: 26.448 min Scan# 5793
Delta R.T. -0.007 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

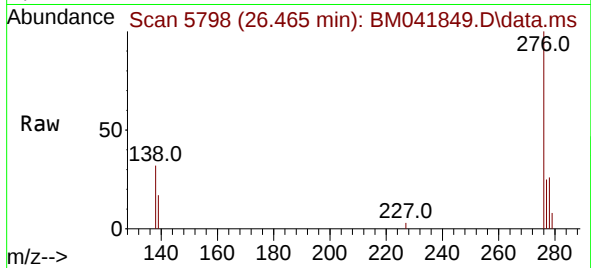
Tgt Ion:276 Resp: 96787
Ion Ratio Lower Upper
276 100
138 28.2 27.7 41.5
227 0.0 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.253 ng/ul
RT: 26.465 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

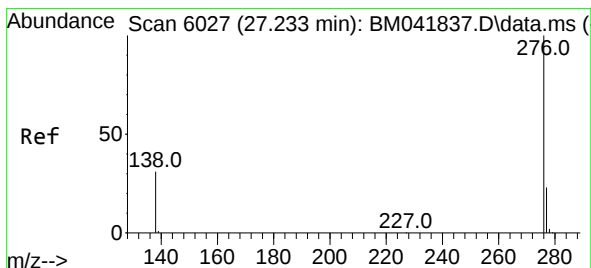
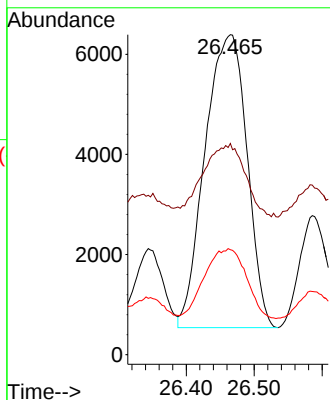
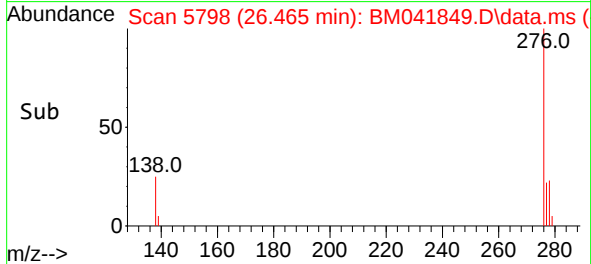
Instrument :
BNA_M
ClientSampleId :
EZYG7DL



Tgt Ion: 278 Resp: 2513
Ion Ratio Lower Upper
278 100
139 66.0 20.9 31.3
279 32.8 20.3 30.5

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 09/14/2023
Supervised By : mohammad ahmed 09/15/2023



#29
Benzo(g,h,i)perylene
Concen: 0.784 ng/ul
RT: 27.233 min Scan# 6027
Delta R.T. -0.003 min
Lab File: BM041849.D
Acq: 14 Sep 2023 02:47

Tgt Ion: 276 Resp: 89452
Ion Ratio Lower Upper
276 100
138 34.3 24.7 37.1
277 24.9 19.3 28.9

