

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041854.D
 Acq On : 14 Sep 2023 05:50
 Operator : MA/JU
 Sample : 04175-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD1

Manual Integrations
 APPROVED

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

Quant Time: Sep 14 06:25:54 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	4951	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	12618	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.615	164	7003	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.362	188	15652	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	10545	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	12967	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	14646	2.326	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.368	152	2378	0.139	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	5766	0.159	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.834	128	9257	0.218	ng/ul	99
7) 2-Methylnaphthalene	12.440	142	8988	0.352	ng/ul	99
8) 1-Methylnaphthalene	12.660	142	6060	0.232	ng/ul	99
15) Phenanthrene	17.405	178	15136	0.222	ng/ul	99
16) Anthracene	17.497	178	2078	0.035	ng/ul#	85
19) Fluoranthene	19.413	202	16331	0.200	ng/ul	98
20) Pyrene	19.780	202	14296m	0.167	ng/ul	
21) Benzo(a)anthracene	21.515	228	7911	0.114	ng/ul#	92
22) Chrysene	21.571	228	9171	0.129	ng/ul#	89
24) Benzo(b)fluoranthene	23.205	252	13698	0.148	ng/ul#	26
25) Benzo(k)fluoranthene	23.249	252	5050m	0.059	ng/ul	
26) Benzo(a)pyrene	23.839	252	7664	0.109	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.444	276	6832	0.063	ng/ul#	94
29) Benzo(g,h,i)perylene	27.226	276	6432	0.070	ng/ul#	68

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

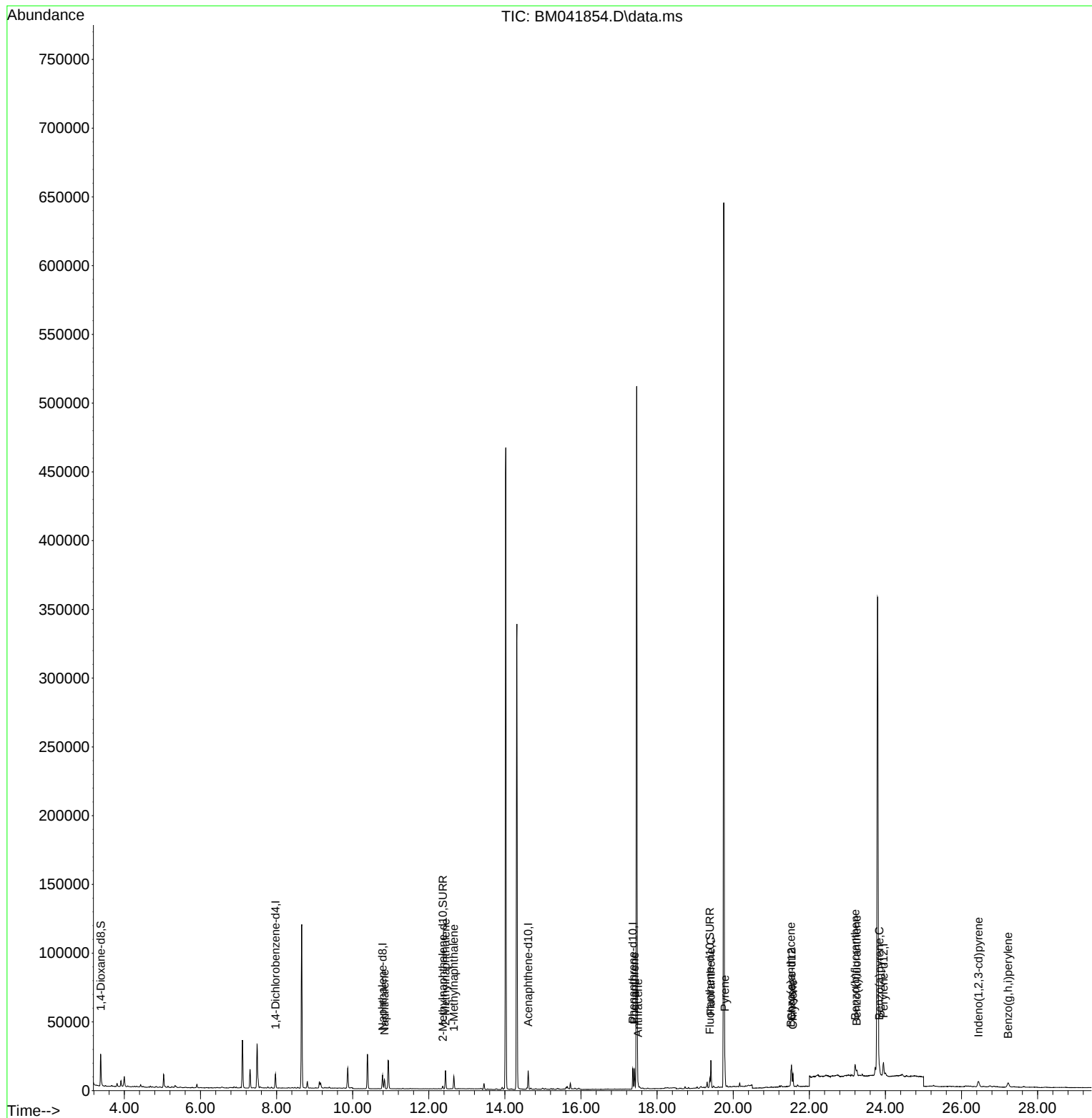
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041854.D
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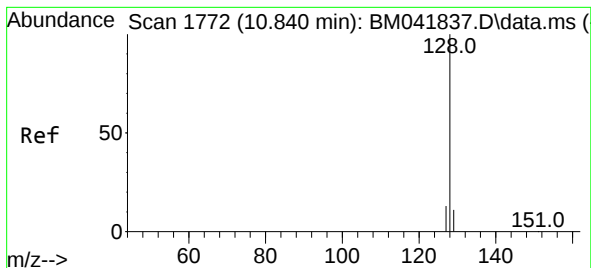
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#5

Naphthalene

Concen: 0.218 ng/ul

RT: 10.834 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

Instrument :

BNA_M

ClientSampleId :

EZYD1

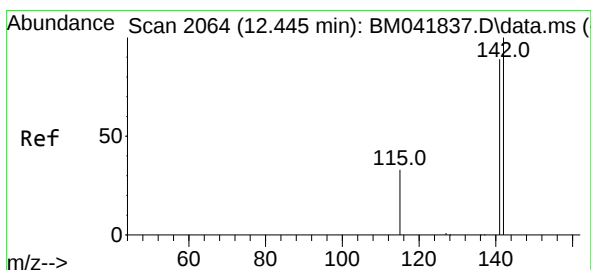
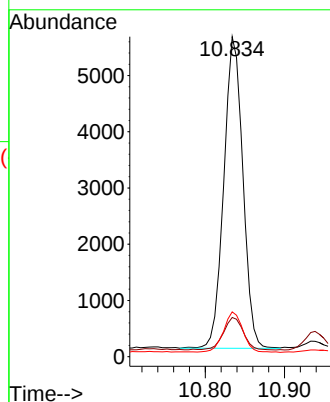
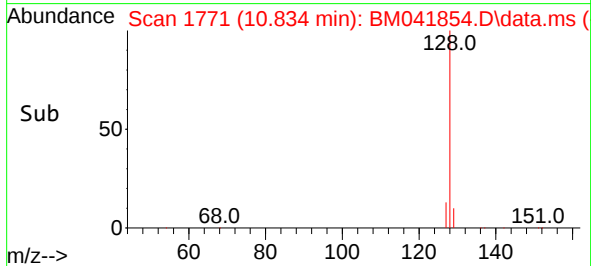
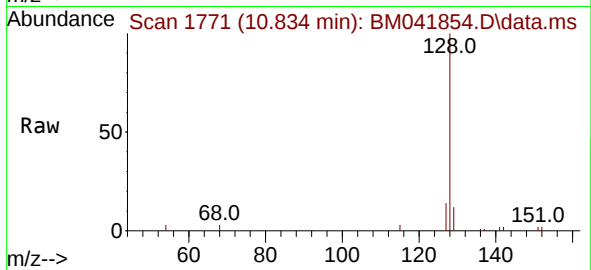
Tgt Ion:	128	Resp:	925
Ion Ratio	Lower	Upper	
128	100		
129	12.3	9.5	14.3
127	14.0	10.7	16.1

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.352 ng/ul

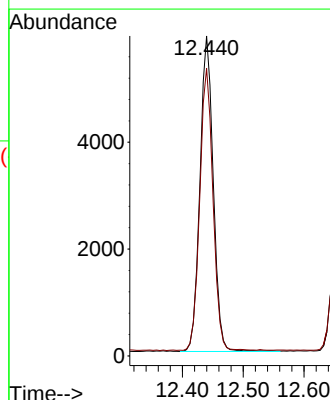
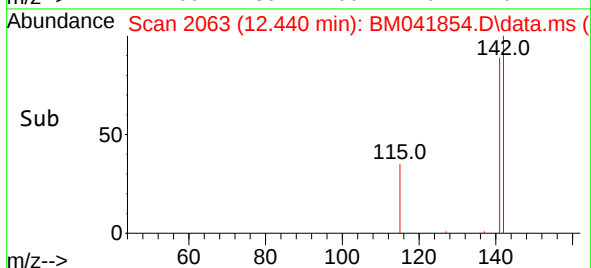
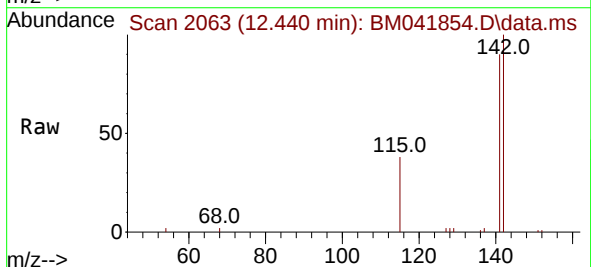
RT: 12.440 min Scan# 2063

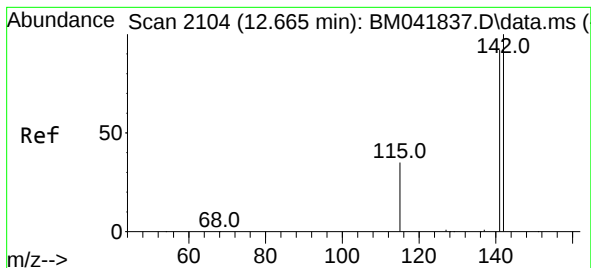
Delta R.T. -0.006 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

Tgt Ion:	142	Resp:	8988
Ion Ratio	Lower	Upper	
142	100		
141	88.8	72.1	108.1





#8

1-Methylnaphthalene

Concen: 0.232 ng/ul

RT: 12.660 min Scan# 2104

Delta R.T. -0.006 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

Instrument :

BNA_M

ClientSampleId :

EZYD1

Tgt Ion:142 Resp: 6060

Ion Ratio Lower Upper

142 100

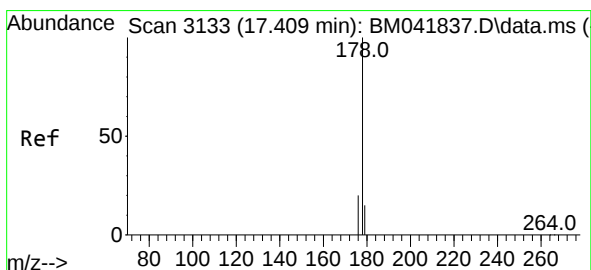
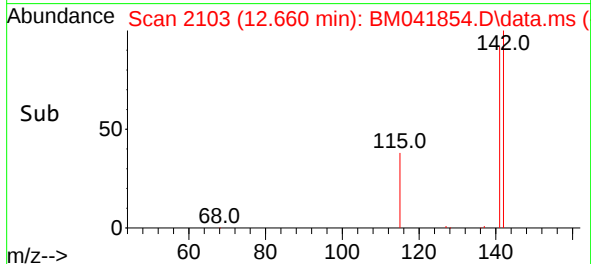
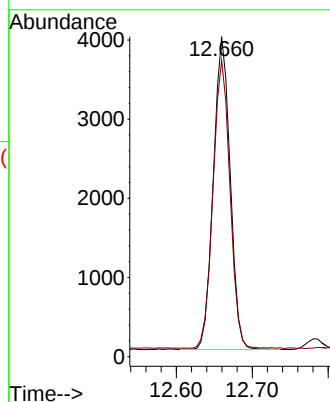
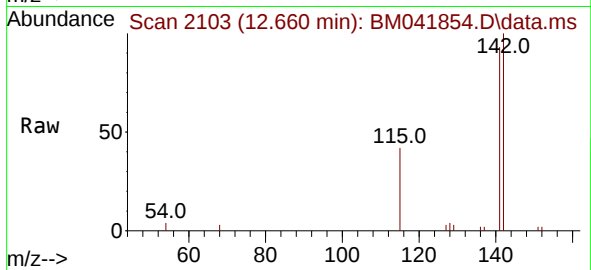
141 92.4 74.3 111.5

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#15

Phenanthrene

Concen: 0.222 ng/ul

RT: 17.405 min Scan# 3132

Delta R.T. -0.004 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

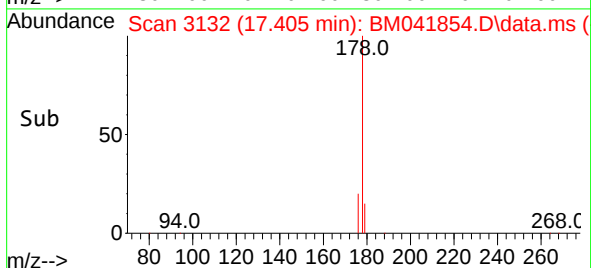
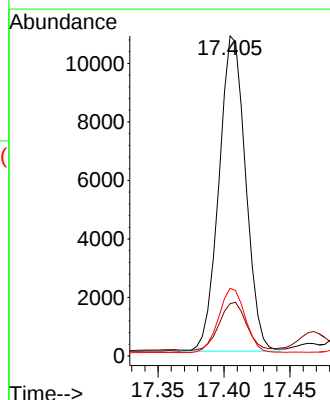
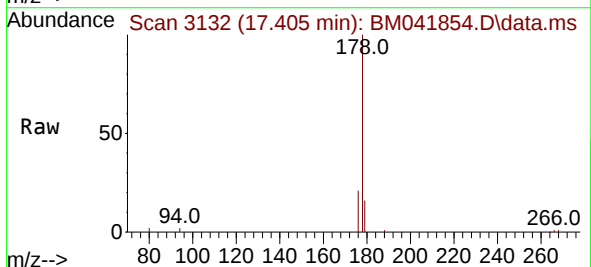
Tgt Ion:178 Resp: 15136

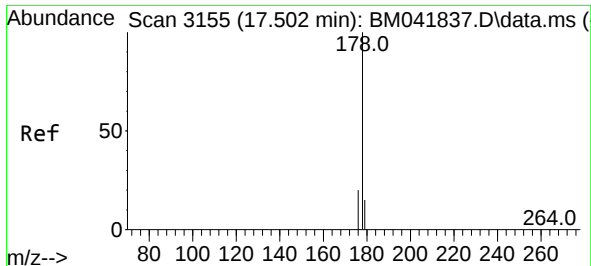
Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

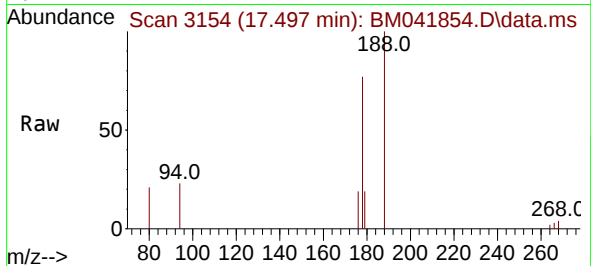
176 21.2 16.6 25.0





#16
 Anthracene
 Concen: 0.035 ng/ul
 RT: 17.497 min Scan# 3155
 Delta R.T. -0.004 min
 Lab File: BM041854.D
 Acq: 14 Sep 2023 05:50

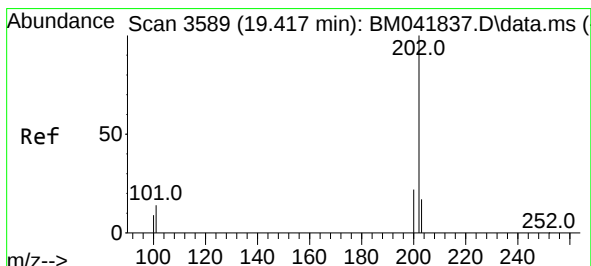
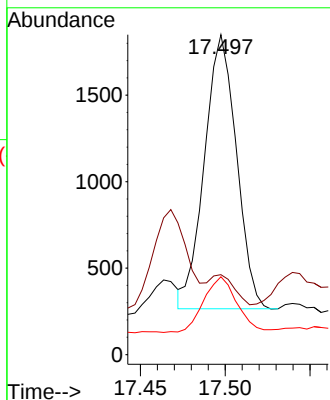
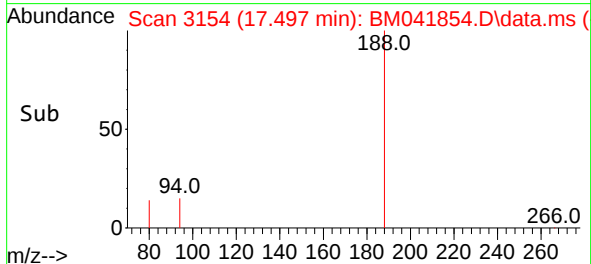
Instrument :
 BNA_M
 ClientSampleId :
 EZYD1



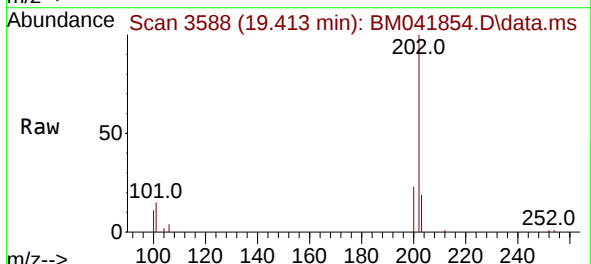
Tgt Ion	Ratio	Lower	Upper
178	100		
179	25.0	12.7	19.1
176	24.3	16.1	24.1

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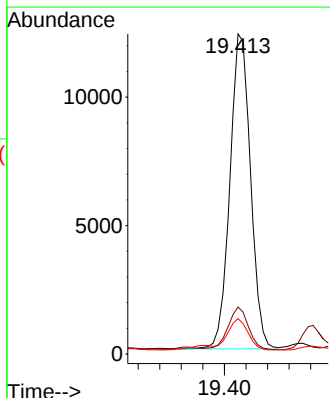
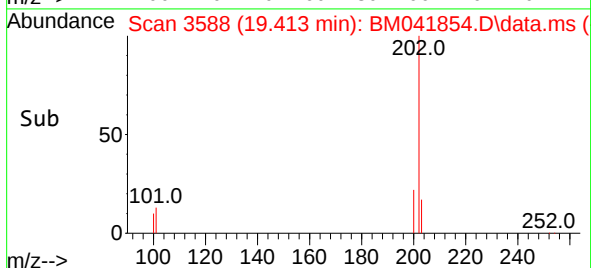
Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/15/2023

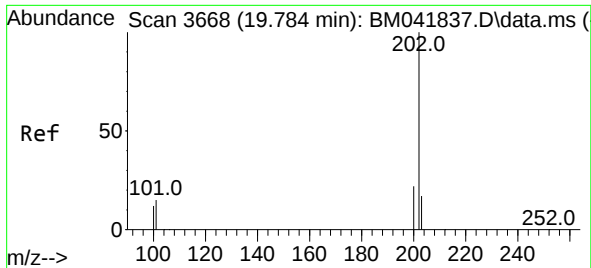


#19
 Fluoranthene
 Concen: 0.200 ng/ul
 RT: 19.413 min Scan# 3588
 Delta R.T. -0.005 min
 Lab File: BM041854.D
 Acq: 14 Sep 2023 05:50



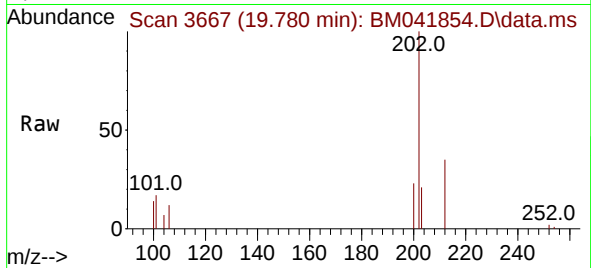
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	11.0	16.6
100	11.0	8.2	12.4





#20
Pyrene
Concen: 0.167 ng/ul m
RT: 19.780 min Scan# 3667
Delta R.T. -0.005 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50

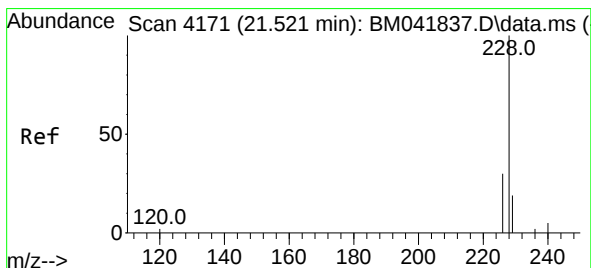
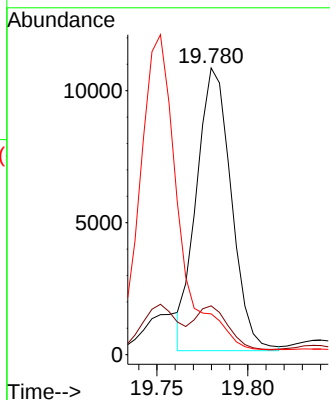
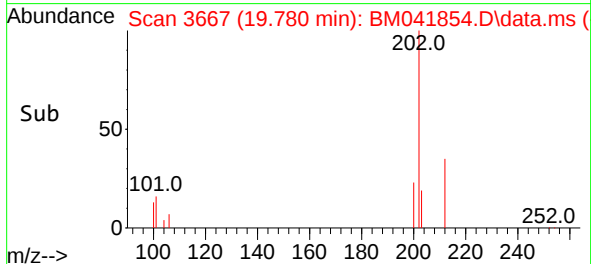
Instrument :
BNA_M
ClientSampleId :
EZYD1



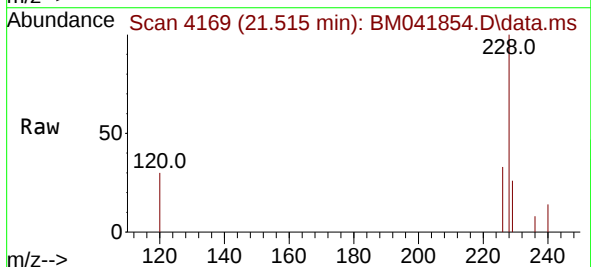
Tgt Ion:202 Resp: 14290
Ion Ratio Lower Upper
202 100
101 17.0 12.6 19.0
100 14.2 9.9 14.9

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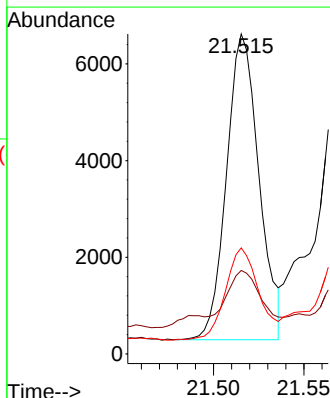
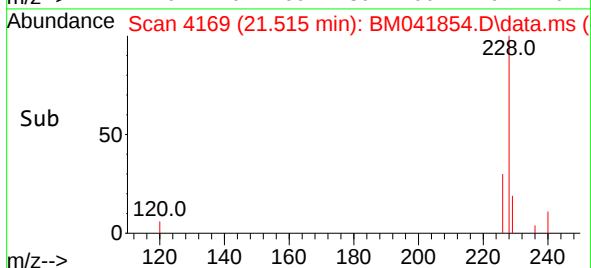
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

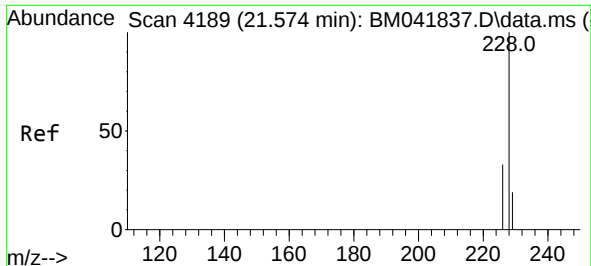


#21
Benzo(a)anthracene
Concen: 0.114 ng/ul
RT: 21.515 min Scan# 4169
Delta R.T. -0.006 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50



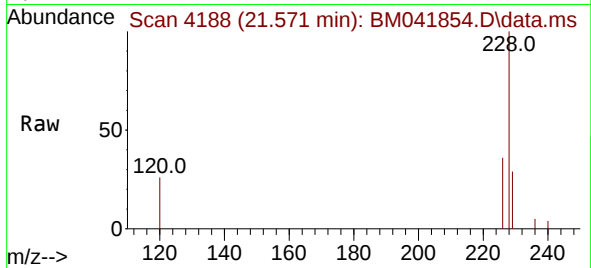
Tgt Ion:228 Resp: 7911
Ion Ratio Lower Upper
228 100
229 26.1 15.8 23.8#
226 33.1 24.3 36.5





#22
Chrysene
Concen: 0.129 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.006 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50

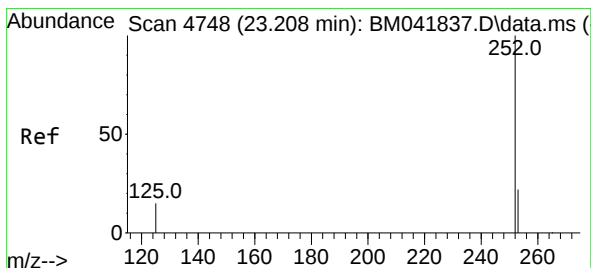
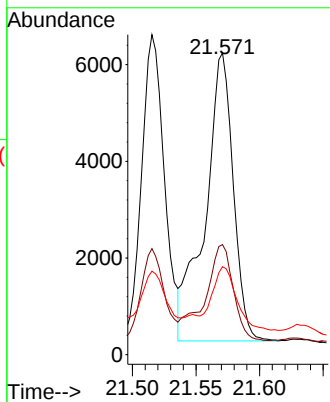
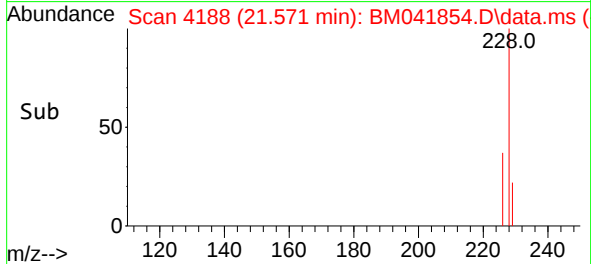
Instrument :
BNA_M
ClientSampleId :
EZYD1



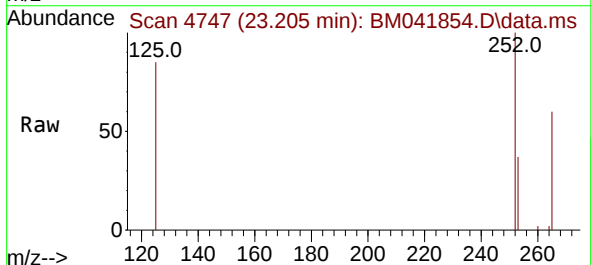
Tgt Ion:228 Resp: 917
Ion Ratio Lower Upper
228 100
226 36.5 27.0 40.4
229 29.2 15.7 23.5

Manual Integrations
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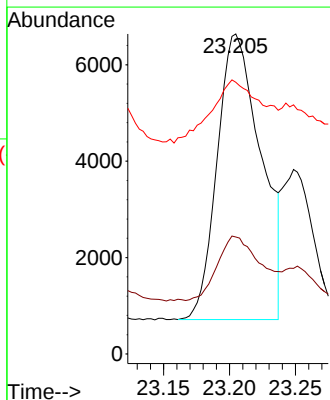
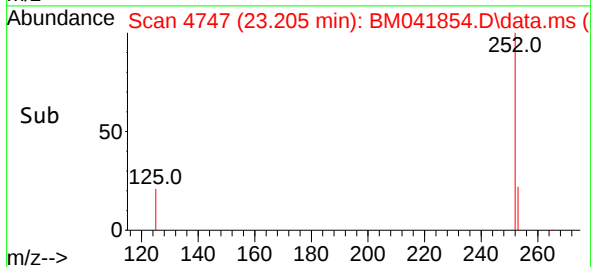
Reviewed By :Yogesh Patel 09/14/2023
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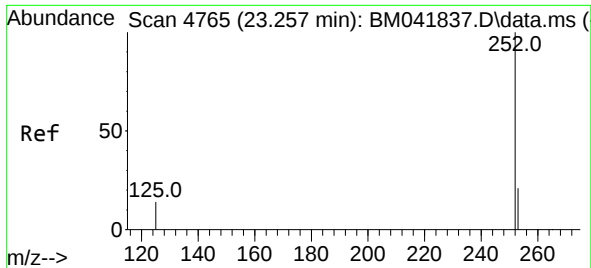


#24
Benzo(b)fluoranthene
Concen: 0.148 ng/ul
RT: 23.205 min Scan# 4747
Delta R.T. -0.003 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50



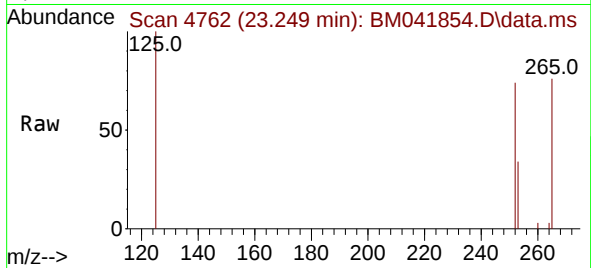
Tgt Ion:252 Resp: 13698
Ion Ratio Lower Upper
252 100
253 36.6 0.0 51.0
125 84.9 0.0 39.8





#25
Benzo(k)fluoranthene
Concen: 0.059 ng/ul m
RT: 23.249 min Scan# 4765
Delta R.T. -0.012 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50

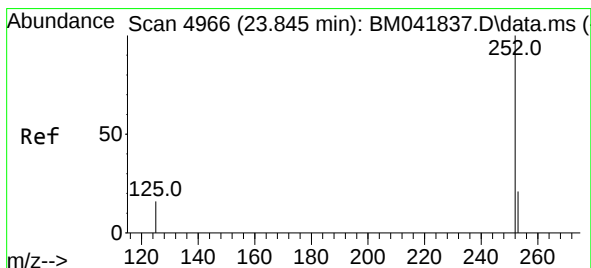
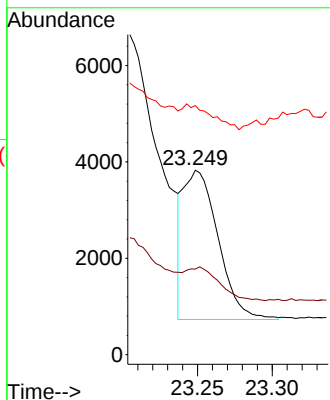
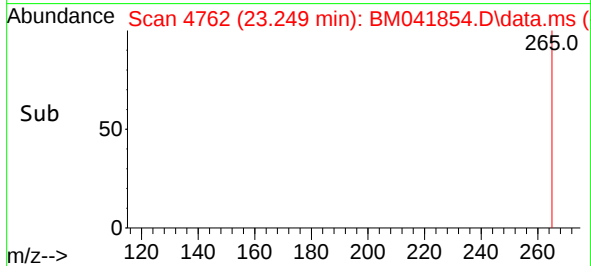
Instrument :
BNA_M
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EZYD1



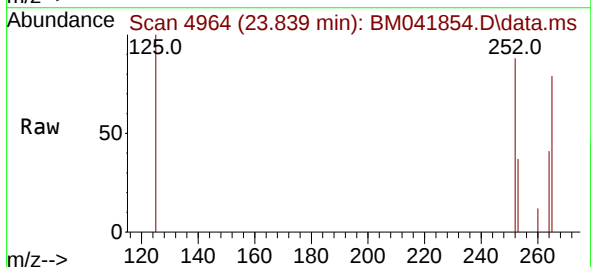
Tgt Ion:252 Resp: 5050
Ion Ratio Lower Upper
252 100
253 46.4 20.2 30.2#
125 135.1 15.8 23.8#

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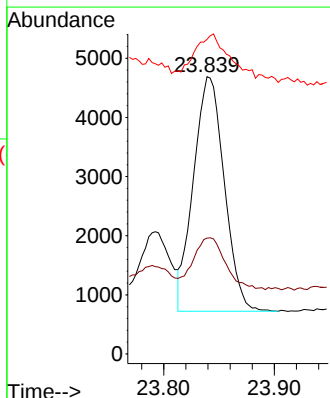
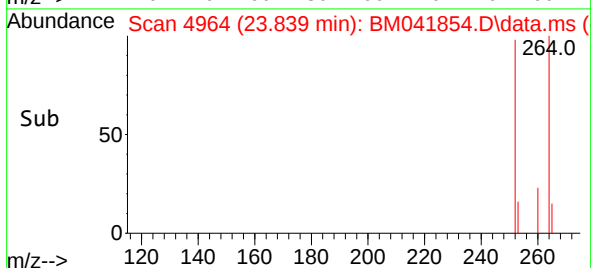
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/15/2023

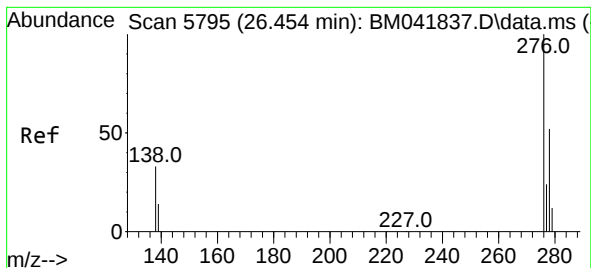


#26
Benzo(a)pyrene
Concen: 0.109 ng/ul
RT: 23.839 min Scan# 4964
Delta R.T. -0.006 min
Lab File: BM041854.D
Acq: 14 Sep 2023 05:50



Tgt Ion:252 Resp: 7664
Ion Ratio Lower Upper
252 100
253 41.8 21.8 32.8#
125 113.4 18.8 28.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.063 ng/ul

RT: 26.444 min Scan# 5792

Delta R.T. -0.010 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

Instrument :

BNA_M

ClientSampleId :

EZYD1

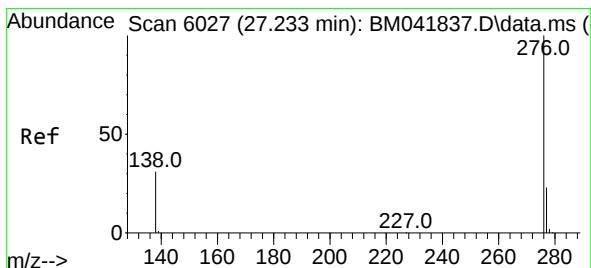
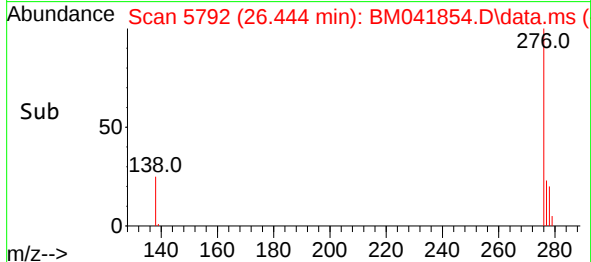
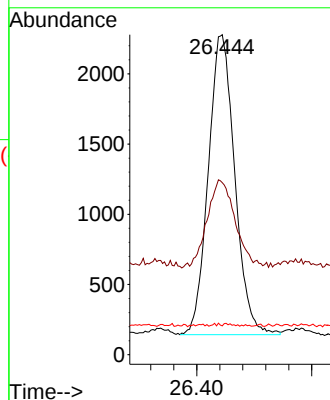
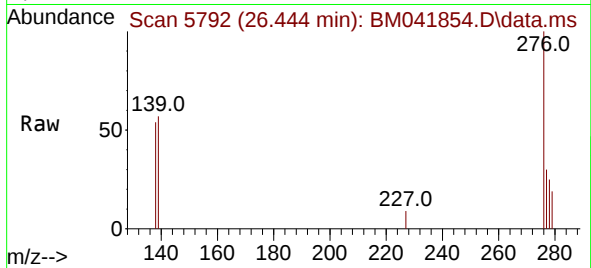
Tgt Ion:	276	Resp:	6832
Ion Ratio	Lower	Upper	
276	100		
138	31.3	27.7	41.5
227	0.3	0.1	0.1

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/15/2023



#29

Benzo(g,h,i)perylene

Concen: 0.070 ng/ul

RT: 27.226 min Scan# 6025

Delta R.T. -0.010 min

Lab File: BM041854.D

Acq: 14 Sep 2023 05:50

Tgt Ion:	276	Resp:	6432
Ion Ratio	Lower	Upper	
276	100		
138	57.2	24.7	37.1#
277	30.2	19.3	28.9#

