

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046194.D
 Acq On : 22 Jun 2024 12:48
 Operator : MA/JU
 Sample : P2775-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C96

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 22 13:30:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 22 02:10:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.413	152	2168	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.183	136	6412	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.063	164	3573	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.804	188	7688m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.009	240	6190m	0.400	ng/ul	-0.04
23) Perylene-d12	23.101	264	6682m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	13372	4.496	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.805	152	2834	0.329	ng/ul	-0.06
18) Fluoranthene-d10	18.840	212	6206	0.335	ng/ul	-0.05
Target Compounds					Qvalue	
5) Naphthalene	10.233	128	1682	0.094	ng/ul#	88
7) 2-Methylnaphthalene	11.882	142	520	0.052	ng/ul	97
8) 1-Methylnaphthalene	12.097	142	456	0.041	ng/ul	97
10) Acenaphthylene	13.776	152	6595	0.389	ng/ul	97
11) Acenaphthene	14.123	153	1849	0.151	ng/ul	98
12) Fluorene	15.117	166	2447	0.186	ng/ul	98
15) Phenanthrene	16.846	178	62011m	2.871	ng/ul	
16) Anthracene	16.939	178	10650m	0.662	ng/ul	
19) Fluoranthene	18.872	202	129869	4.846	ng/ul	96
20) Pyrene	19.230	202	107248	3.700	ng/ul	98
21) Benzo(a)anthracene	20.991	228	50312	2.104	ng/ul	99
22) Chrysene	21.044	228	59415m	1.947	ng/ul	
24) Benzo(b)fluoranthene	22.484	252	83227m	3.457	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	27870m	0.974	ng/ul	
26) Benzo(a)pyrene	23.007	252	51388	2.304	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.145	276	43408	1.189	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.148	278	9355	0.344	ng/ul#	89
29) Benzo(g,h,i)perylene	25.765	276	43208	1.380	ng/ul	97

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

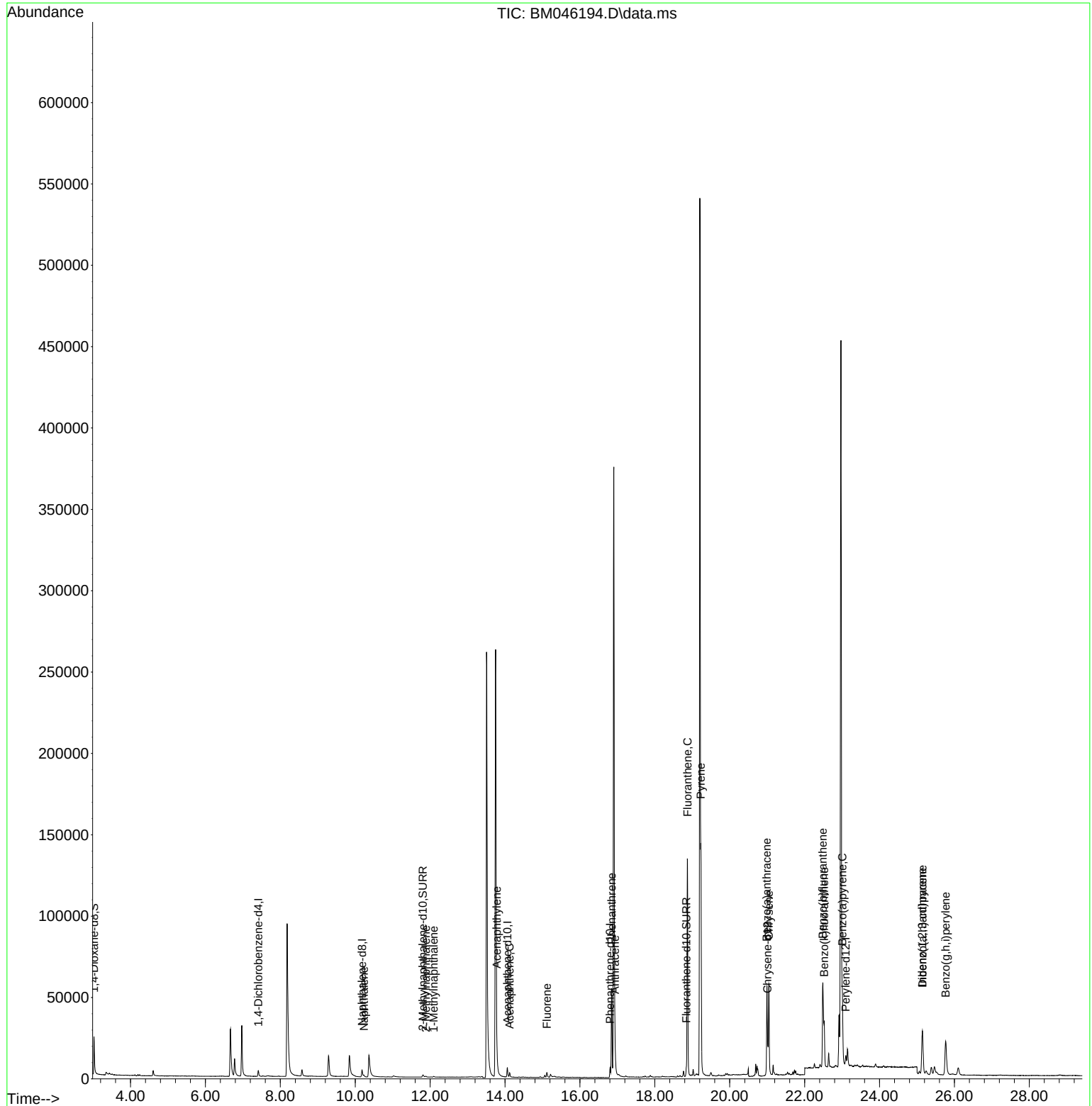
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046194.D
Acq On : 22 Jun 2024 12:48
Operator : MA/JU
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ALS Vial : 7 Sample Multiplier: 1

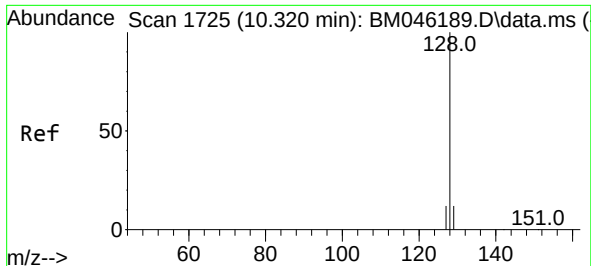
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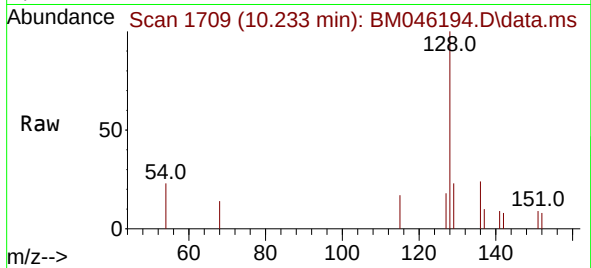
Quant Time: Jun 22 13:30:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 22 02:10:56 2024
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#5
Naphthalene
Concen: 0.094 ng/ul
RT: 10.233 min Scan# 1725
Delta R.T. -0.070 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

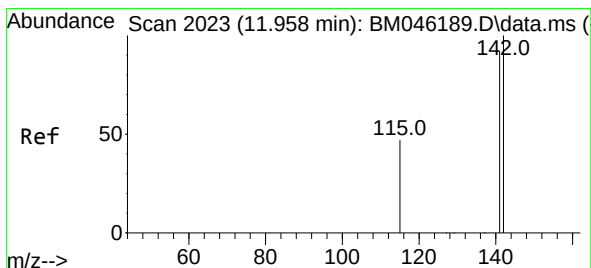
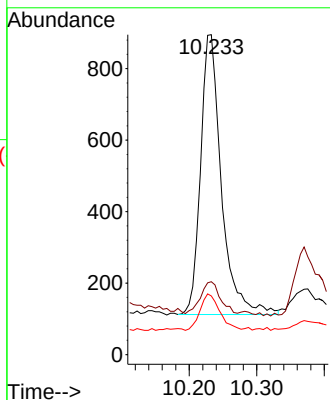
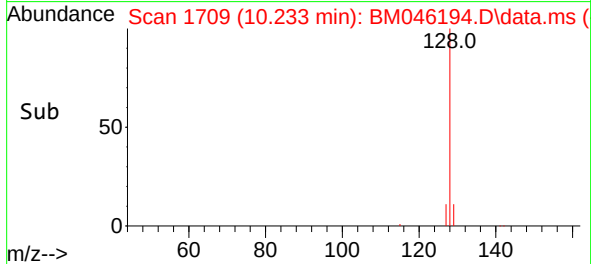
Instrument :
BNA_M
ClientSampleId :
A4C96



Tgt Ion:128 Resp: 1682
Ion Ratio Lower Upper
128 100
129 22.8 11.8 17.6
127 18.3 12.8 19.2

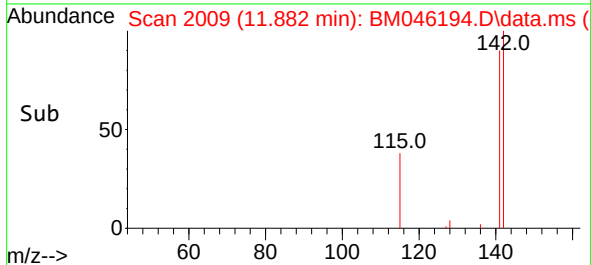
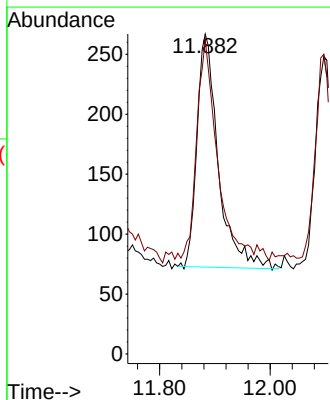
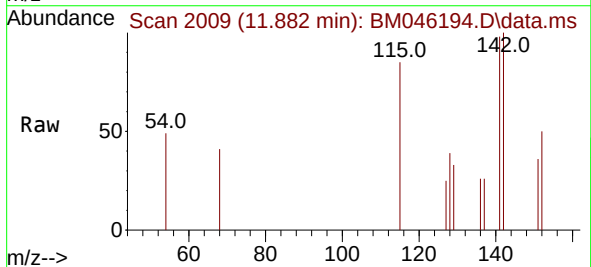
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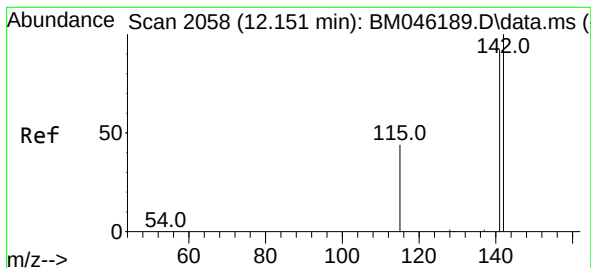
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 11.882 min Scan# 2009
Delta R.T. -0.065 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

Tgt Ion:142 Resp: 520
Ion Ratio Lower Upper
142 100
141 90.6 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.041 ng/ul

RT: 12.097 min Scan# 2058

Delta R.T. -0.054 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

Instrument :

BNA_M

ClientSampleId :

A4C96

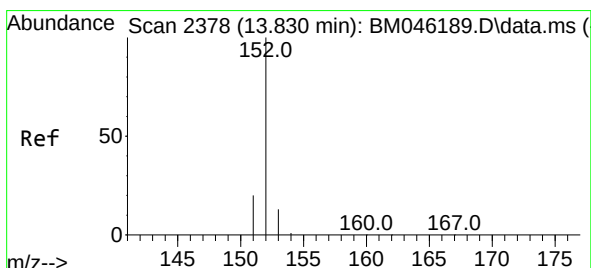
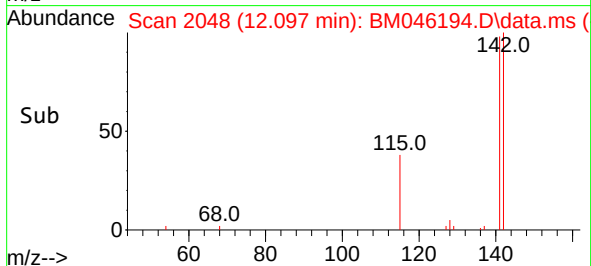
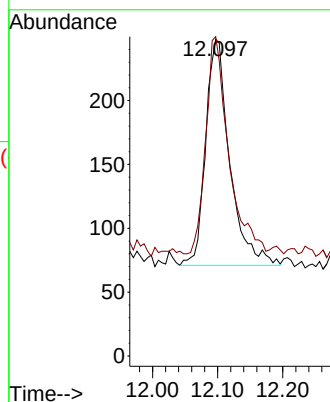
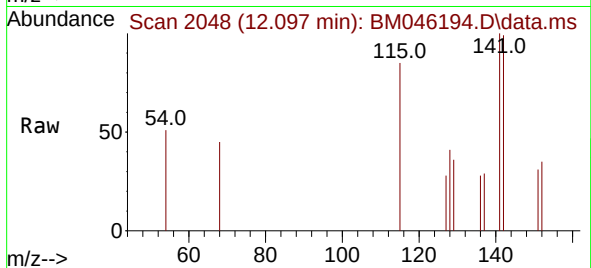
Tgt Ion:142 Resp: 450
 Ion Ratio Lower Upper
 142 100
 141 91.0 75.2 112.8

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#10

Acenaphthylene

Concen: 0.389 ng/ul

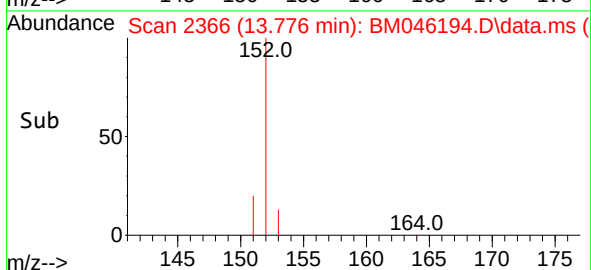
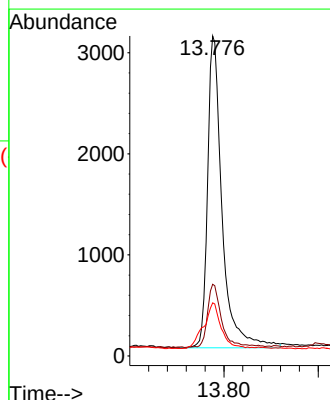
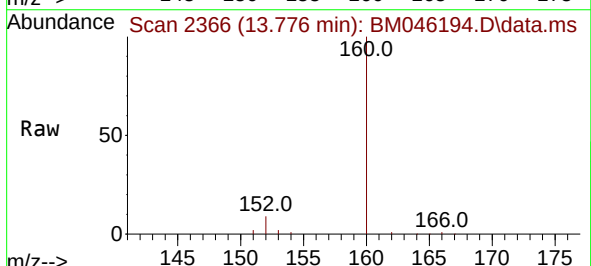
RT: 13.776 min Scan# 2366

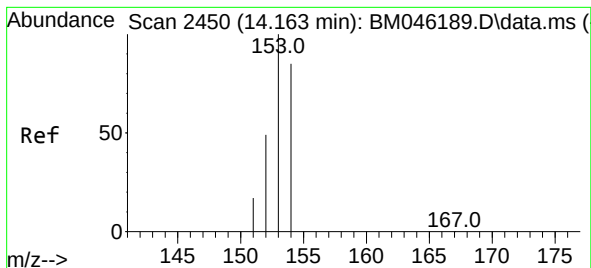
Delta R.T. -0.059 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

Tgt Ion:152 Resp: 6595
 Ion Ratio Lower Upper
 152 100
 151 22.4 17.4 26.2
 153 16.6 11.8 17.8





#11

Acenaphthene

Concen: 0.151 ng/uI

RT: 14.123 min Scan# 2441

Delta R.T. -0.050 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

Instrument :

BNA_M

ClientSampleId :

A4C96

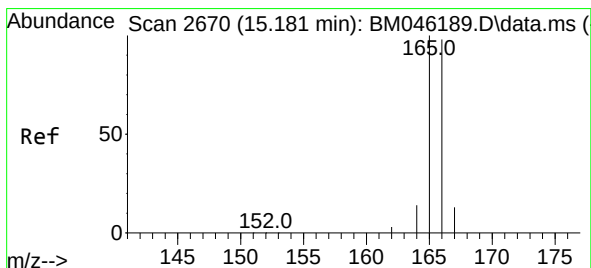
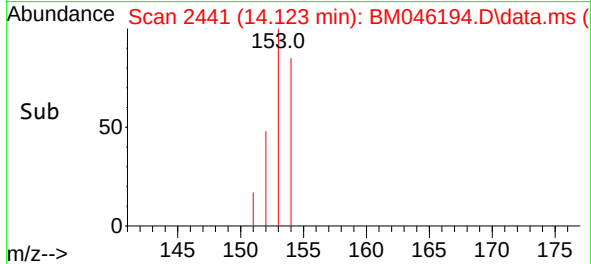
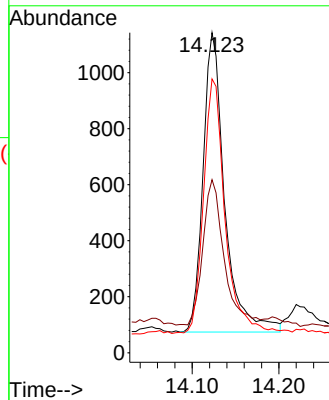
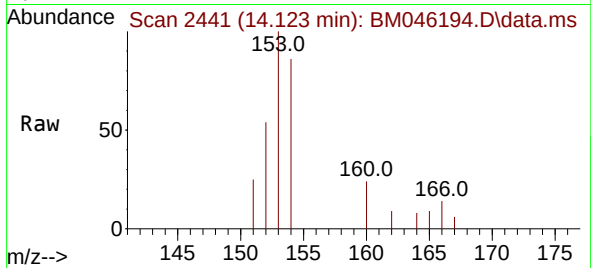
Tgt Ion:	153	Resp:	1849
Ion Ratio	Lower	Upper	
153	100		
152	54.1	41.3	61.9
154	85.6	68.2	102.4

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#12

Fluorene

Concen: 0.186 ng/uI

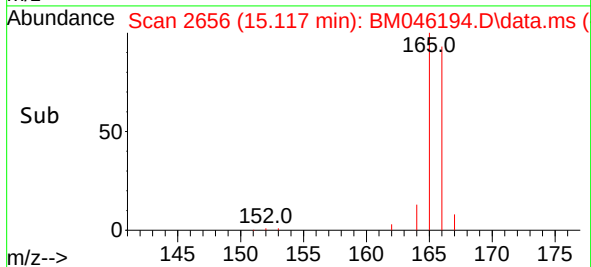
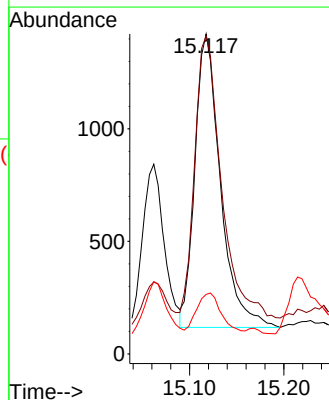
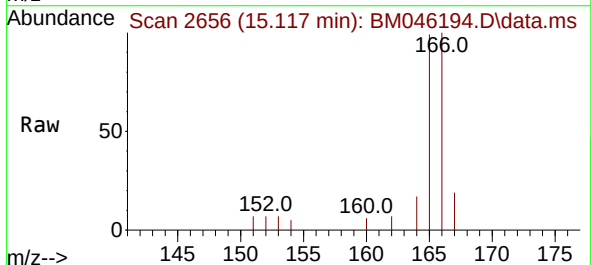
RT: 15.117 min Scan# 2656

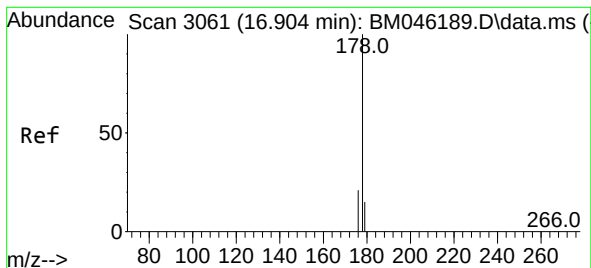
Delta R.T. -0.063 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

Tgt Ion:	166	Resp:	2447
Ion Ratio	Lower	Upper	
166	100		
165	99.4	80.4	120.6
167	18.6	12.4	18.6





#15

Phenanthrene

Concen: 2.871 ng/ul m

RT: 16.846 min Scan# 3061

Delta R.T. -0.058 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

Instrument :

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ClientSampleId :

A4C96

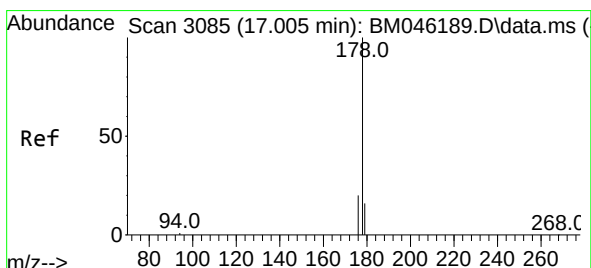
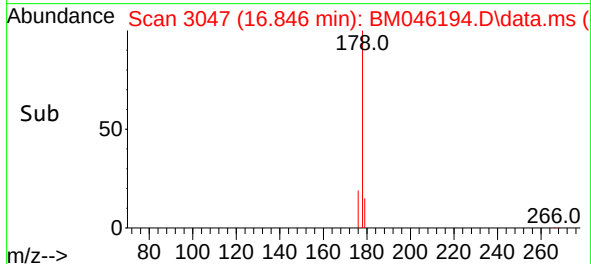
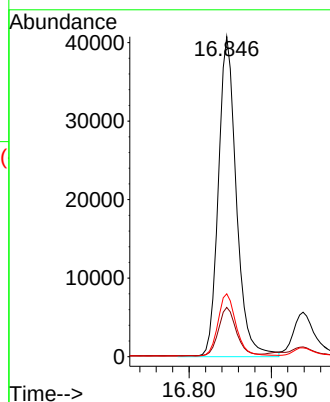
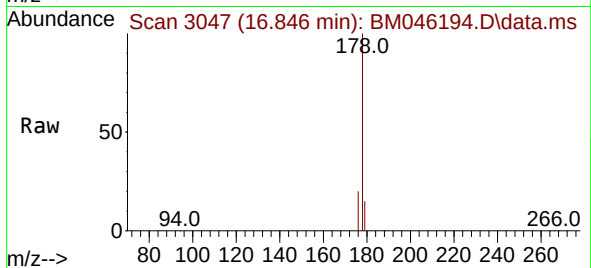
Tgt Ion:178	Resp: 6201
Ion Ratio	Lower Upper
178	100
179	15.4 14.2 21.2
176	19.6 17.1 25.7

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#16

Anthracene

Concen: 0.662 ng/ul m

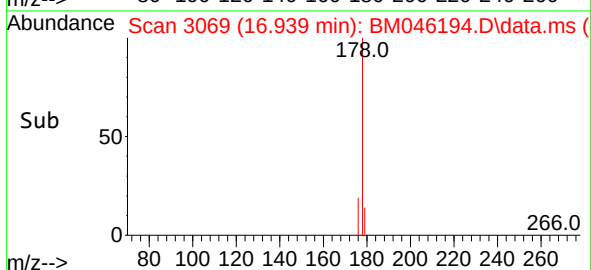
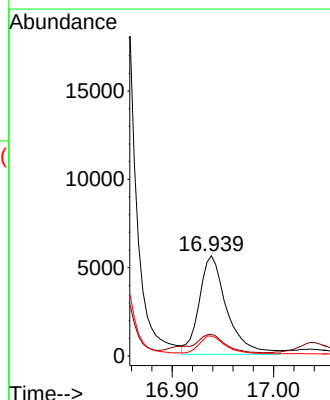
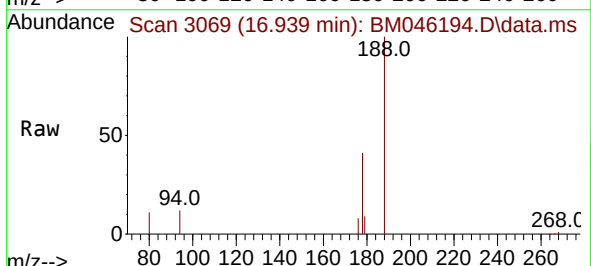
RT: 16.939 min Scan# 3069

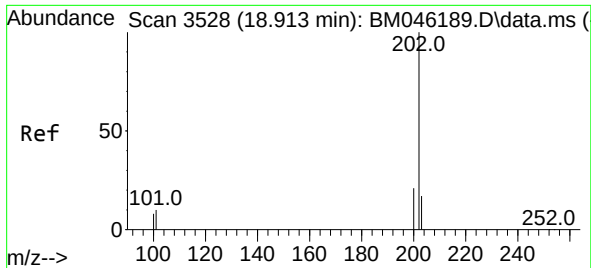
Delta R.T. -0.066 min

Lab File: BM046194.D

Acq: 22 Jun 2024 12:48

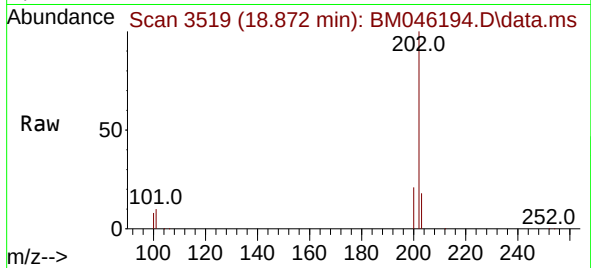
Tgt Ion:178	Resp: 10650
Ion Ratio	Lower Upper
178	100
179	21.8 14.9 22.3
176	19.8 17.0 25.4





#19
Fluoranthene
Concen: 4.846 ng/u1
RT: 18.872 min Scan# 3519
Delta R.T. -0.045 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

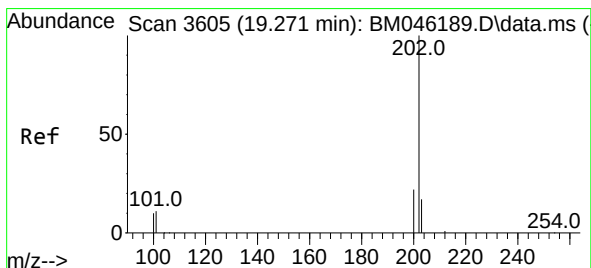
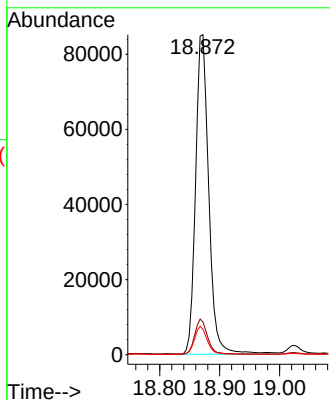
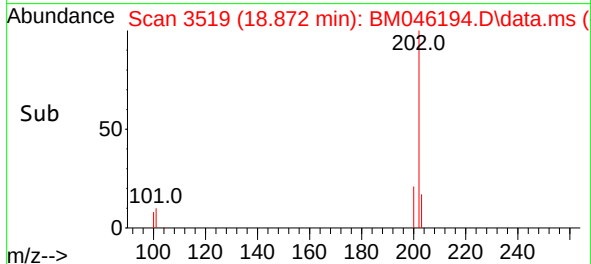
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ClientSampleId :
A4C96



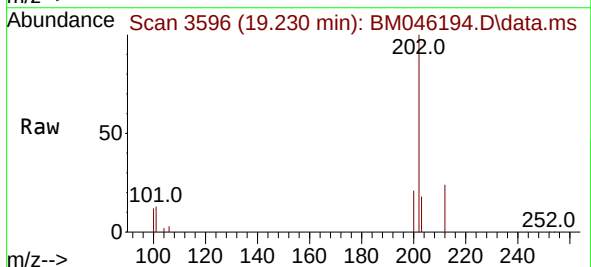
Tgt Ion:202 Resp: 129869
Ion Ratio Lower Upper
202 100
101 10.2 9.6 14.4
100 8.0 7.6 11.4

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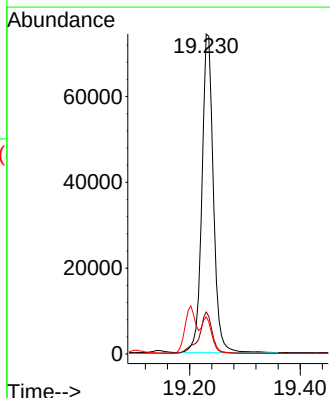
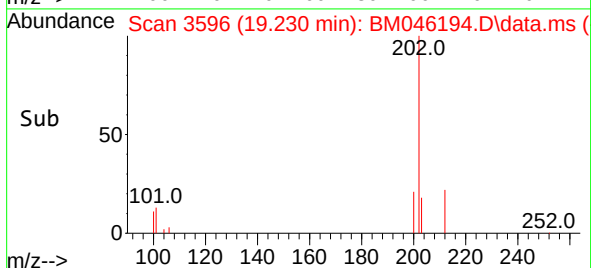
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

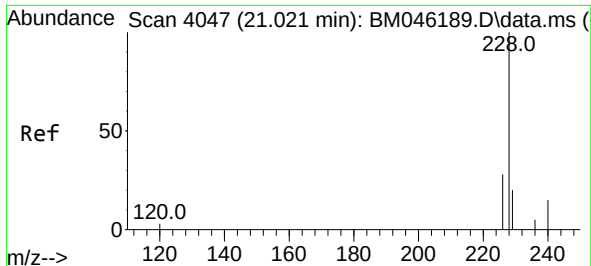


#20
Pyrene
Concen: 3.700 ng/u1
RT: 19.230 min Scan# 3596
Delta R.T. -0.045 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48



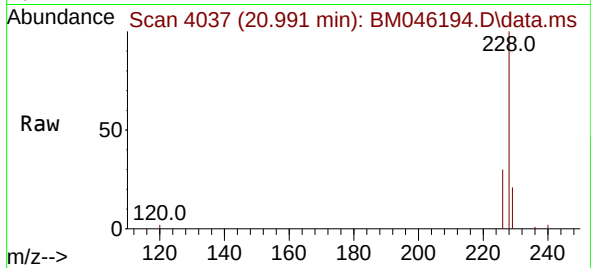
Tgt Ion:202 Resp: 107248
Ion Ratio Lower Upper
202 100
101 13.1 11.3 16.9
100 11.6 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.104 ng/ul
RT: 20.991 min Scan# 4037
Delta R.T. -0.038 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

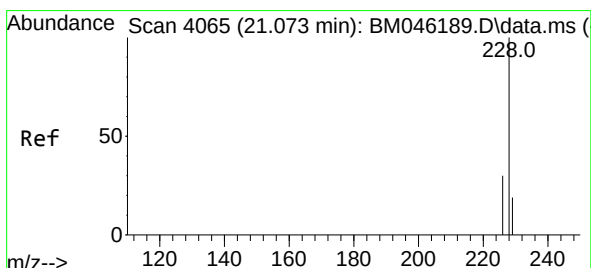
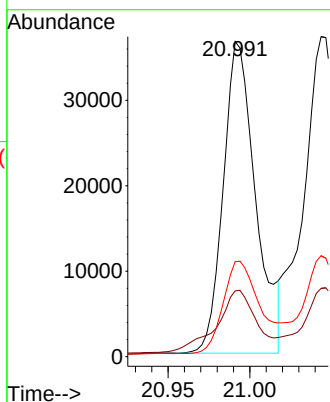
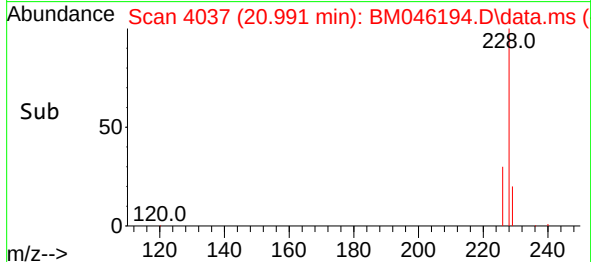
Instrument :
BNA_M
ClientSampleId :
A4C96



Tgt Ion:228 Resp: 5031
Ion Ratio Lower Upper
228 100
229 20.9 16.4 24.6
226 30.2 23.4 35.2

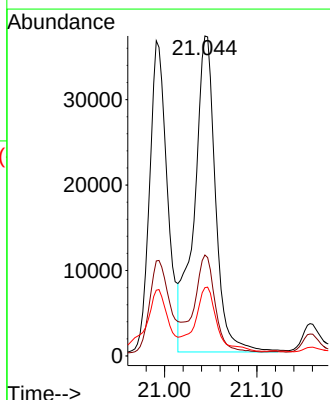
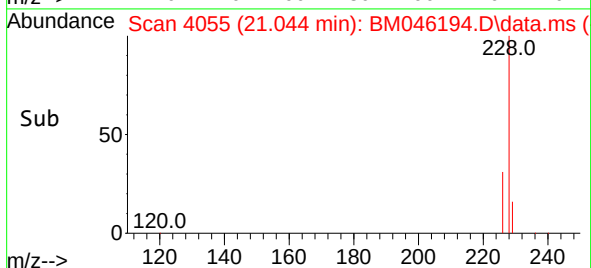
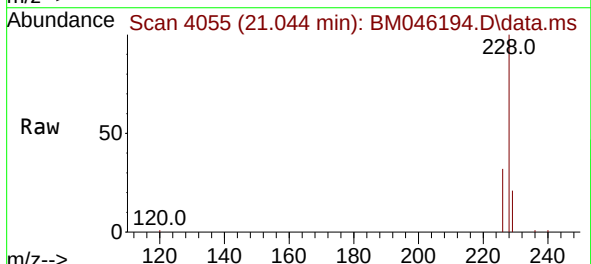
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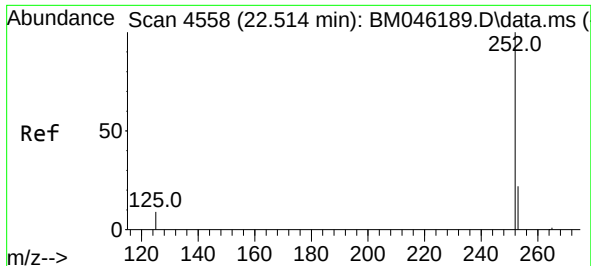
Reviewed By :Yogesh Patel 06/24/2024
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#22
Chrysene
Concen: 1.947 ng/ul m
RT: 21.044 min Scan# 4055
Delta R.T. -0.032 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

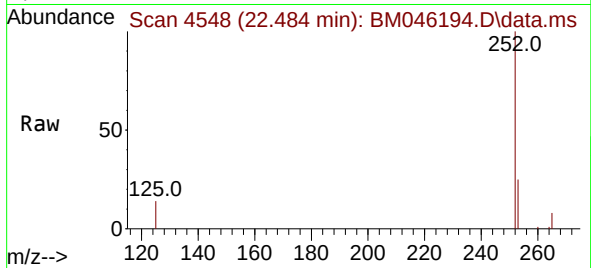
Tgt Ion:228 Resp: 59415
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 21.4 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 3.457 ng/ul m
RT: 22.484 min Scan# 4548
Delta R.T. -0.035 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

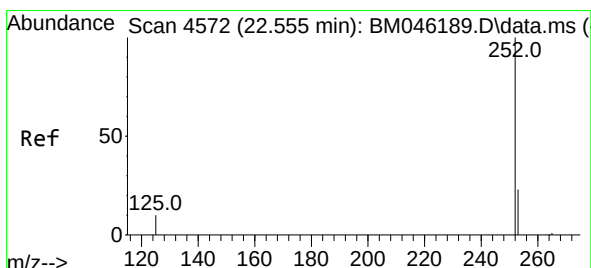
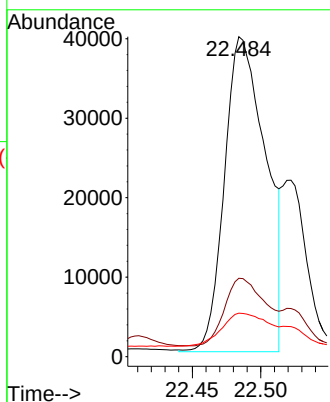
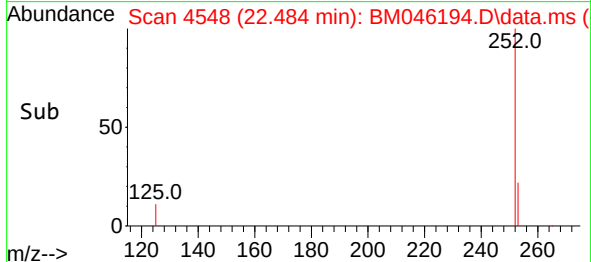
Instrument :
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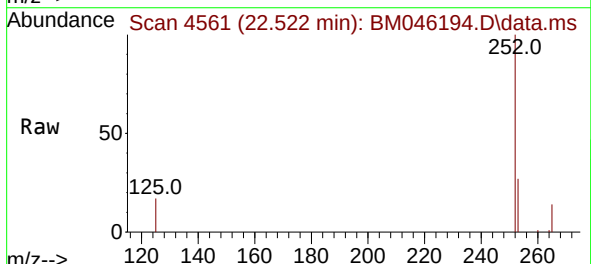
Tgt Ion:252 Resp: 83227
Ion Ratio Lower Upper
252 100
253 24.5 0.0 65.8
125 13.6 0.0 40.2

Manual Integrations
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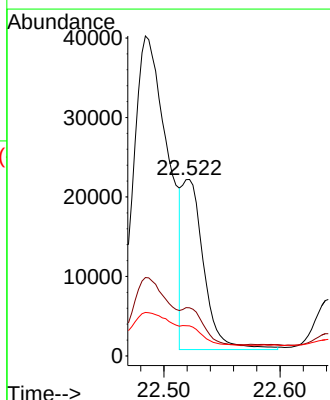
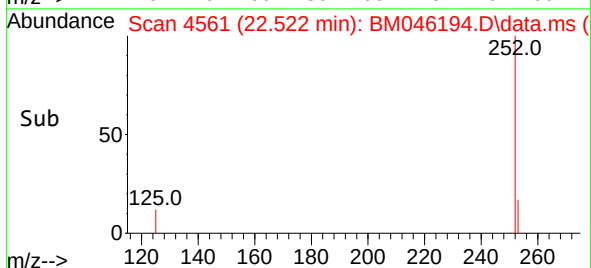
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

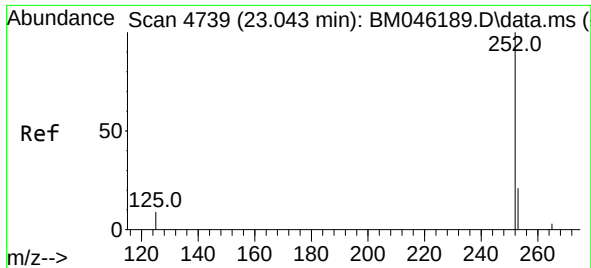


#25
Benzo(k)fluoranthene
Concen: 0.974 ng/ul m
RT: 22.522 min Scan# 4561
Delta R.T. -0.041 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48



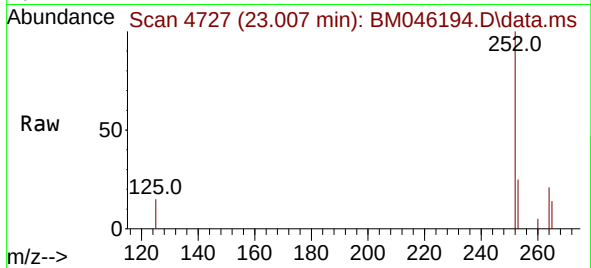
Tgt Ion:252 Resp: 27870
Ion Ratio Lower Upper
252 100
253 27.3 27.2 40.8
125 17.0 16.6 25.0





#26
Benzo(a)pyrene
Concen: 2.304 ng/ul
RT: 23.007 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

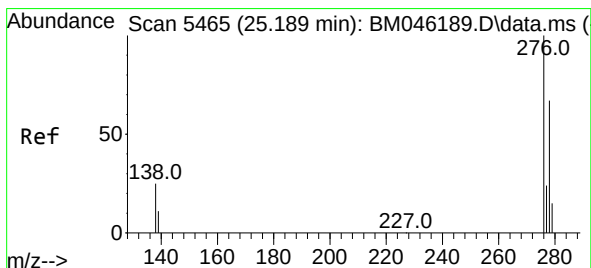
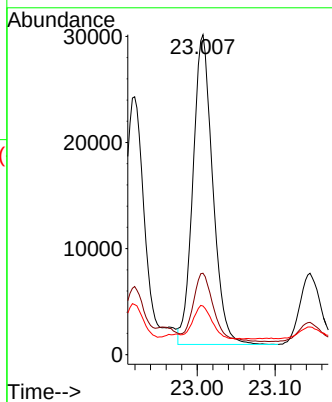
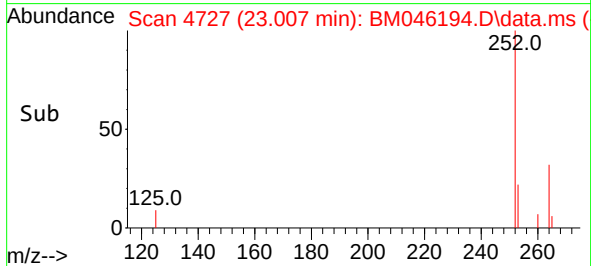
Instrument :
BNA_M
ClientSampleId :
A4C96



Tgt Ion:252 Resp: 5138
Ion Ratio Lower Upper
252 100
253 25.4 32.1 48.1
125 15.2 21.2 31.8

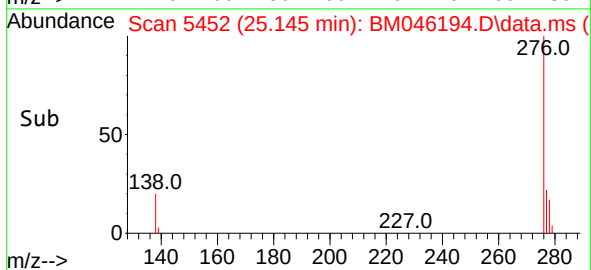
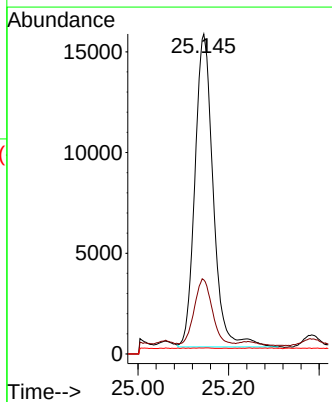
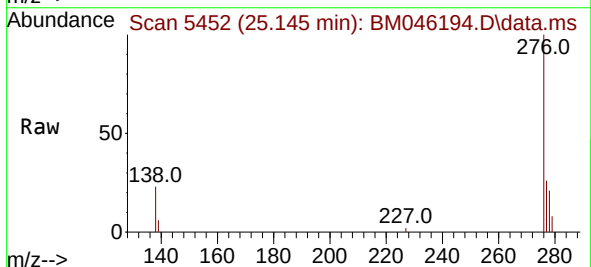
Manual Integrations
APPROVED

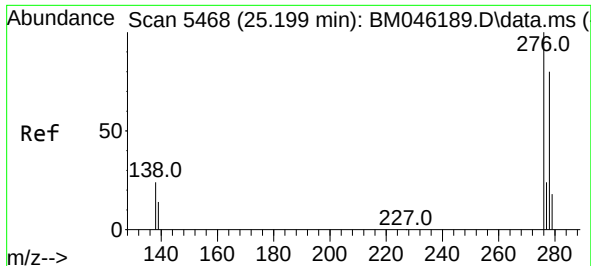
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.189 ng/ul
RT: 25.145 min Scan# 5452
Delta R.T. -0.057 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

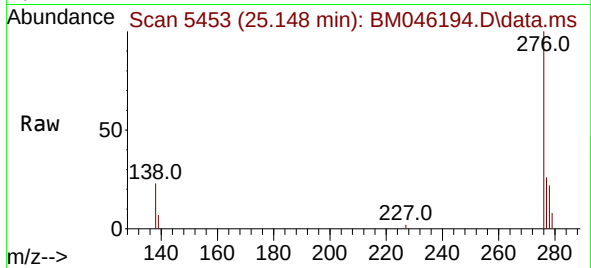
Tgt Ion:276 Resp: 43408
Ion Ratio Lower Upper
276 100
138 20.4 21.0 31.4#
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.344 ng/ul
RT: 25.148 min Scan# 5468
Delta R.T. -0.067 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

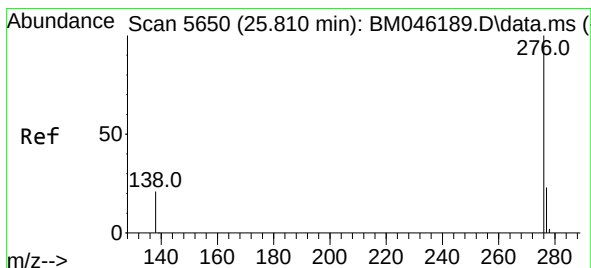
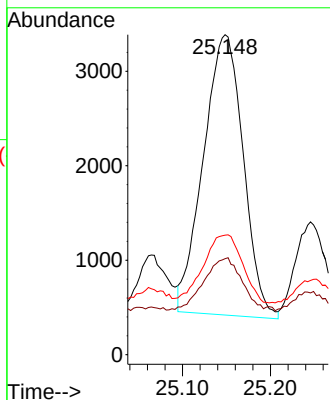
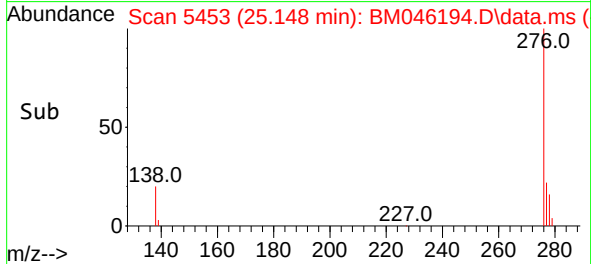
Instrument :
BNA_M
ClientSampleId :
A4C96



Tgt Ion:278 Resp: 935
Ion Ratio Lower Upper
278 100
139 30.0 17.6 26.4
279 37.4 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 1.380 ng/ul
RT: 25.765 min Scan# 5637
Delta R.T. -0.064 min
Lab File: BM046194.D
Acq: 22 Jun 2024 12:48

Tgt Ion:276 Resp: 43208
Ion Ratio Lower Upper
276 100
138 23.9 21.7 32.5
277 25.3 20.4 30.6

