

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046294.D
 Acq On : 25 Jun 2024 16:39
 Operator : MA/JU
 Sample : P2844-13MS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C64MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 18:04:24 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 : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.426	152	1892	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.189	136	5843	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.049	164	3302	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.795	188	7177	0.400	ng/ul	-0.06
17) Chrysene-d12	20.994	240	5937	0.400	ng/ul	-0.03
23) Perylene-d12	23.083	264	7922m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	1021	0.393	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.783	152	2145	0.273	ng/ul	-0.09
18) Fluoranthene-d10	18.826	212	5447	0.306	ng/ul	-0.05
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.054	88	2669	0.917	ng/ul	90
5) Naphthalene	10.238	128	7784	0.478	ng/ul	98
7) 2-Methylnaphthalene	11.860	142	4070	0.444	ng/ul	99
8) 1-Methylnaphthalene	12.069	142	4194	0.417	ng/ul	99
10) Acenaphthylene	13.771	152	17224	1.100	ng/ul	98
11) Acenaphthene	14.114	153	12626	1.117	ng/ul	98
12) Fluorene	15.108	166	15844	1.306	ng/ul	99
14) Pentachlorophenol	16.479	266	1076	0.500	ng/ul	99
15) Phenanthrene	16.833	178	319842	15.862	ng/ul	95
16) Anthracene	16.930	178	61325	4.084	ng/ul	96
19) Fluoranthene	18.854	202	726433	28.259	ng/ul	96
20) Pyrene	19.221	202	484633	17.433	ng/ul#	93
21) Benzo(a)anthracene	20.976	228	293232	12.787	ng/ul	99
22) Chrysene	21.029	228	303289	10.363	ng/ul	99
24) Benzo(b)fluoranthene	22.472	252	403738m	14.146	ng/ul	
25) Benzo(k)fluoranthene	22.507	252	165712m	4.884	ng/ul	
26) Benzo(a)pyrene	22.996	252	152933	5.783	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.122	276	159260	3.679	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.125	278	54465	1.690	ng/ul	95
29) Benzo(g,h,i)perylene	25.742	276	21998	0.593	ng/ul#	91

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

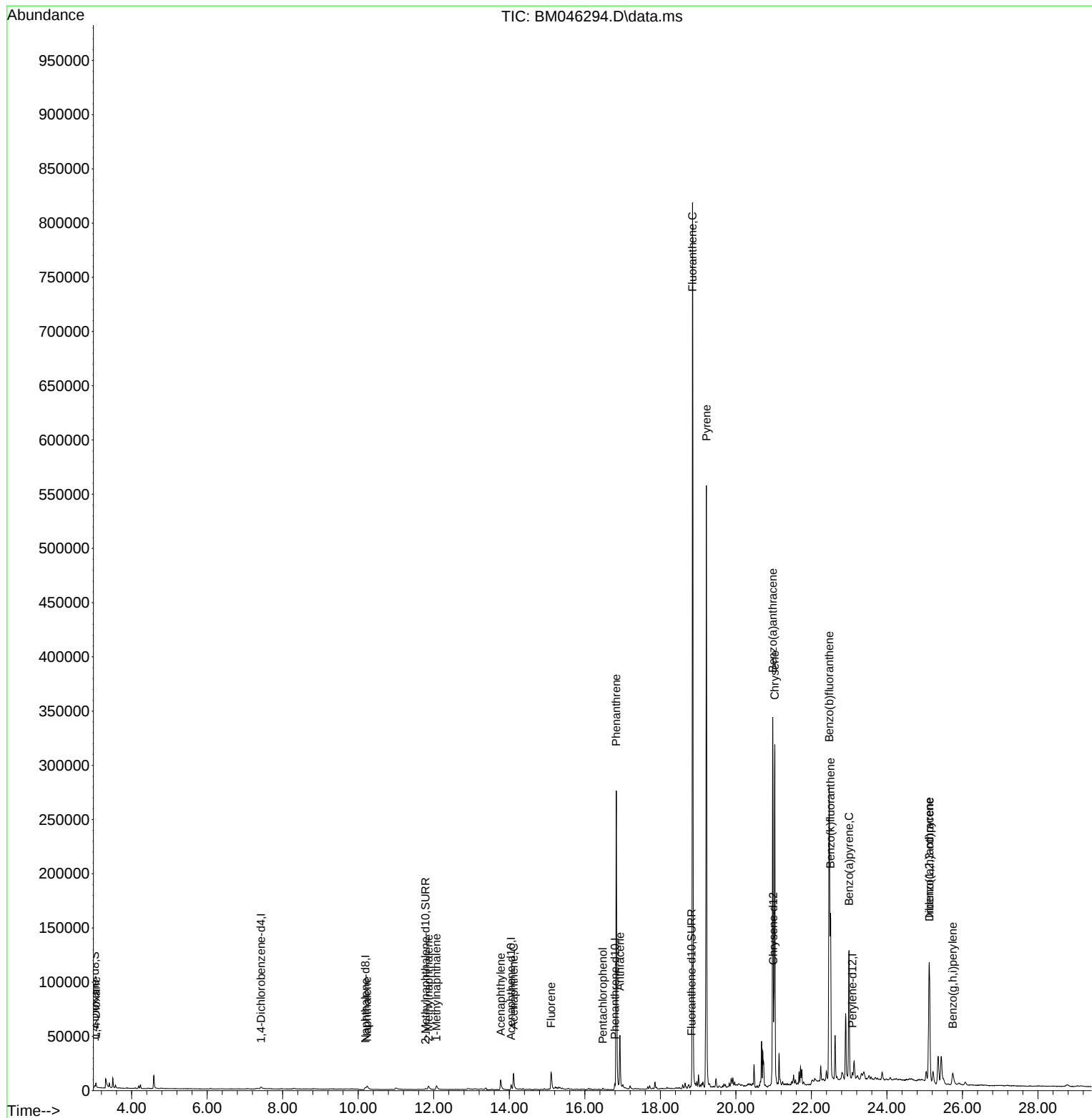
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046294.D
Acq On : 25 Jun 2024 16:39
Operator : MA/JU
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ALS Vial : 54 Sample Multiplier: 1

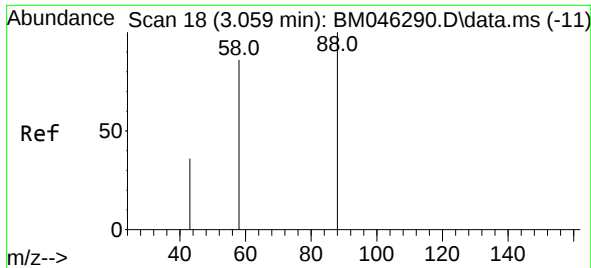
Instrument :
BNA_M
ClientSampleId :
A4C64MS

Quant Time: Jun 25 18:04:24 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 : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

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APPROVED

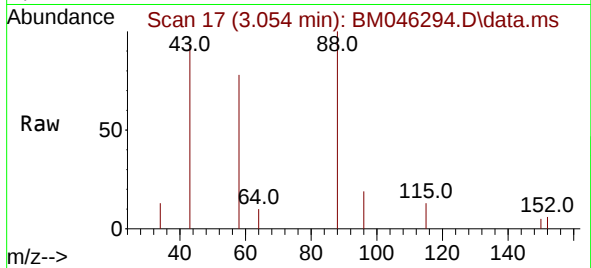
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024





#2
1,4-Dioxane
Concen: 0.917 ng/ul
RT: 3.054 min Scan# 11
Delta R.T. -0.004 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

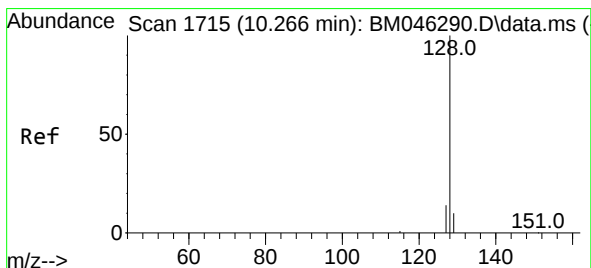
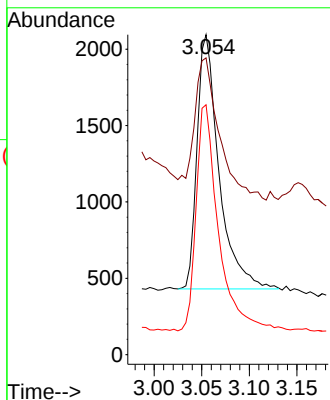
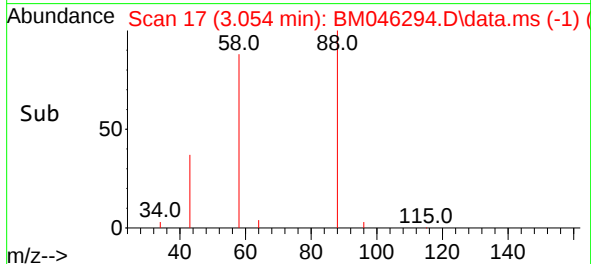
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion: 88 Resp: 266
Ion Ratio Lower Upper
88 100
43 92.7 69.8 104.8
58 78.1 53.2 79.8

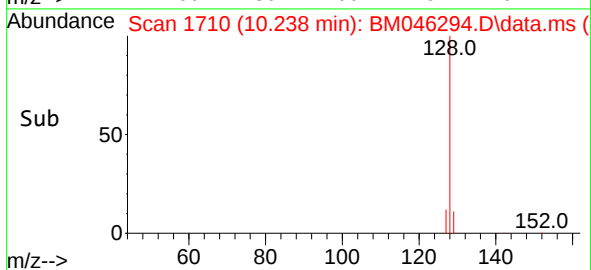
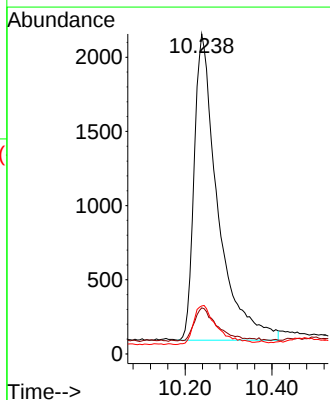
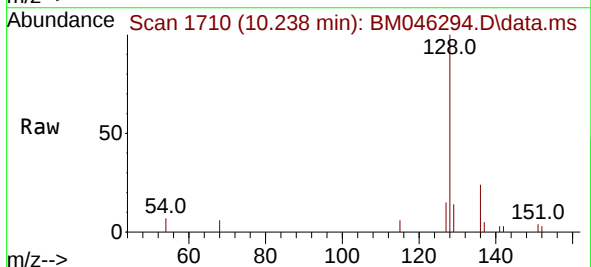
Manual Integrations
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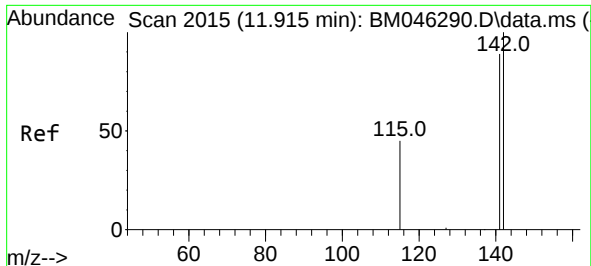
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#5
Naphthalene
Concen: 0.478 ng/ul
RT: 10.238 min Scan# 1710
Delta R.T. -0.066 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

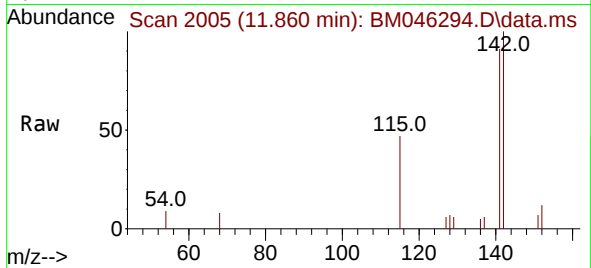
Tgt Ion:128 Resp: 7784
Ion Ratio Lower Upper
128 100
129 14.4 11.8 17.6
127 15.0 12.8 19.2





#7
2-Methylnaphthalene
Concen: 0.444 ng/ul
RT: 11.860 min Scan# 2005
Delta R.T. -0.093 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

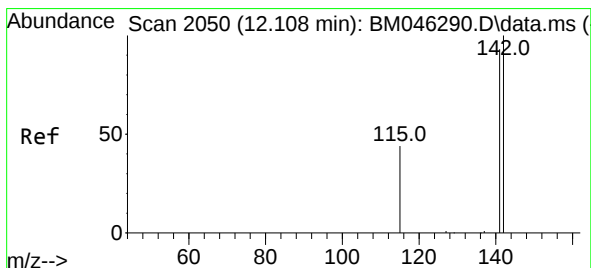
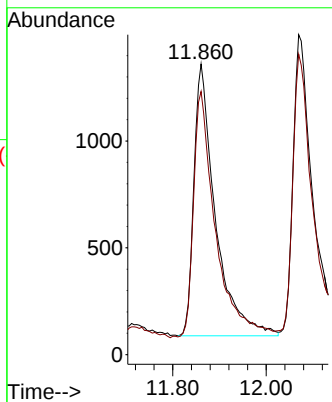
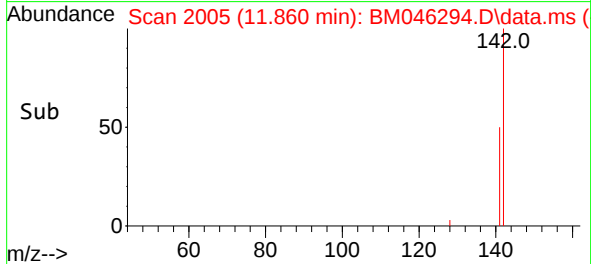
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:142 Resp: 4070
Ion Ratio Lower Upper
142 100
141 93.9 74.6 111.8

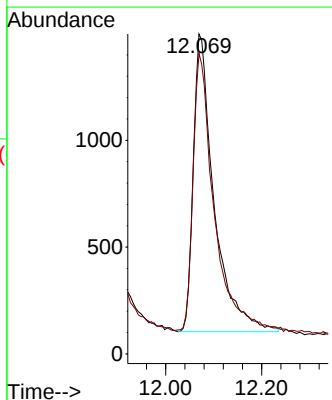
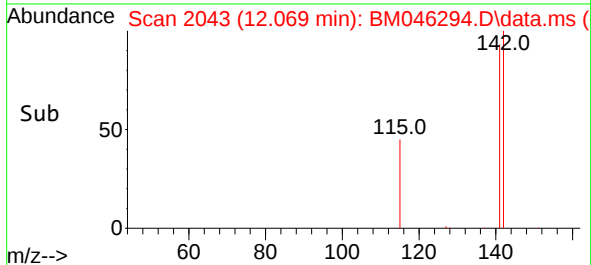
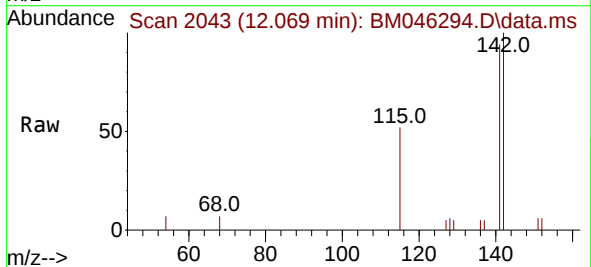
Manual Integrations
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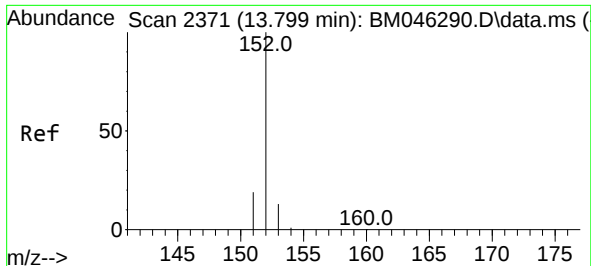
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#8
1-Methylnaphthalene
Concen: 0.417 ng/ul
RT: 12.069 min Scan# 2043
Delta R.T. -0.066 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

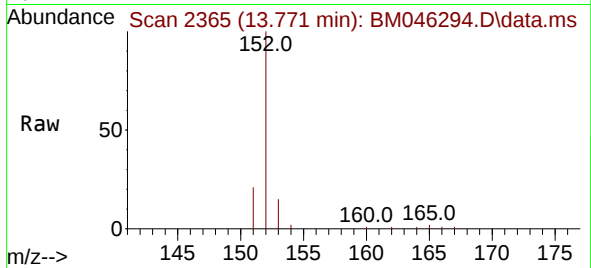
Tgt Ion:142 Resp: 4194
Ion Ratio Lower Upper
142 100
141 92.7 75.2 112.8





#10
Acenaphthylene
Concen: 1.100 ng/ul
RT: 13.771 min Scan# 21
Delta R.T. -0.046 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

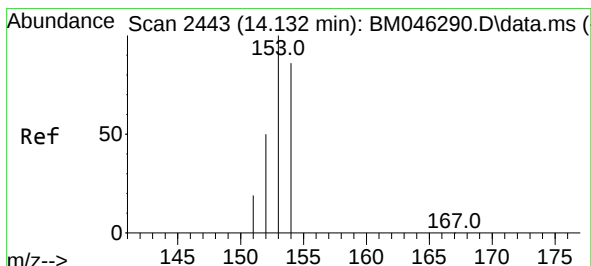
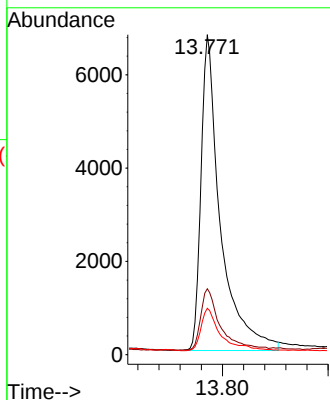
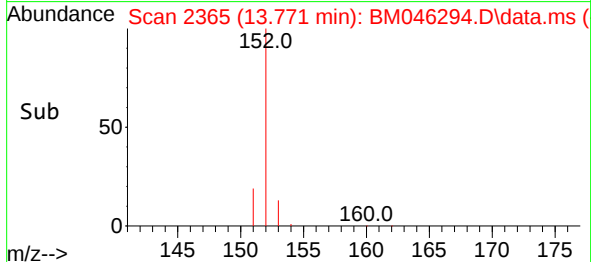
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:152 Resp: 17224
Ion Ratio Lower Upper
152 100
151 20.6 17.4 26.2
153 14.5 11.8 17.8

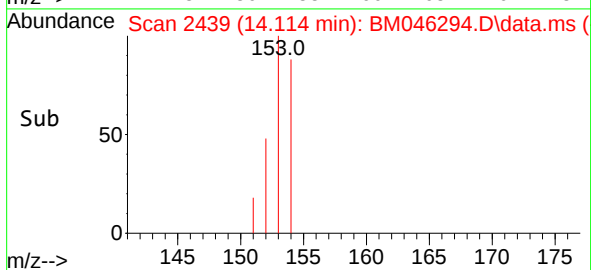
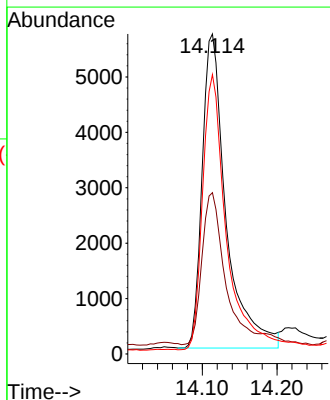
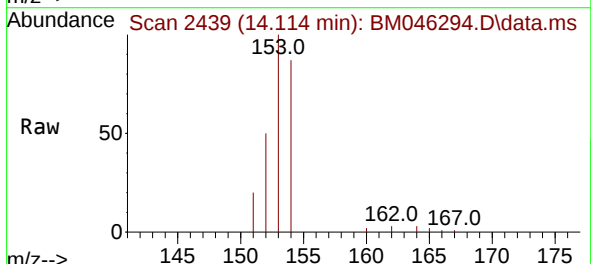
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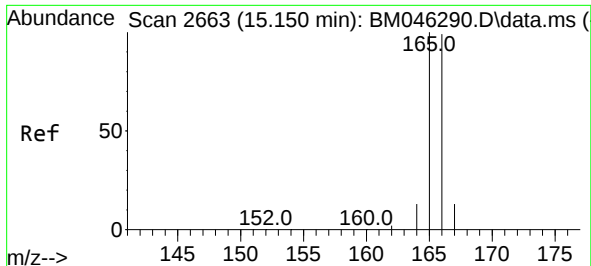
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#11
Acenaphthene
Concen: 1.117 ng/ul
RT: 14.114 min Scan# 2439
Delta R.T. -0.032 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

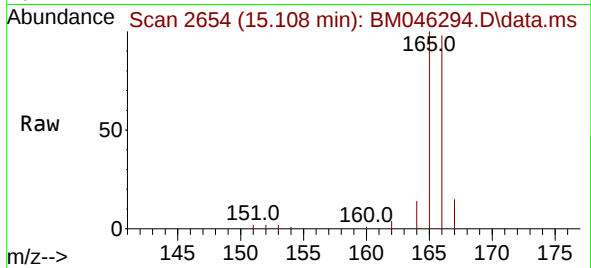
Tgt Ion:153 Resp: 12626
Ion Ratio Lower Upper
153 100
152 50.4 41.3 61.9
154 87.3 68.2 102.4





#12
Fluorene
Concen: 1.306 ng/ul
RT: 15.108 min Scan# 21
Delta R.T. -0.060 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

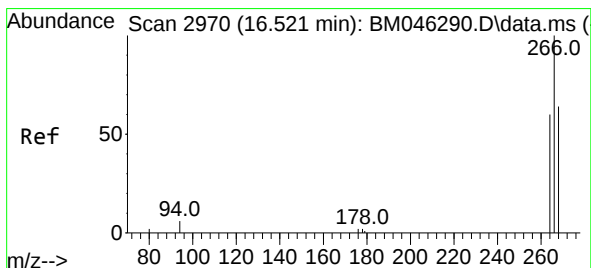
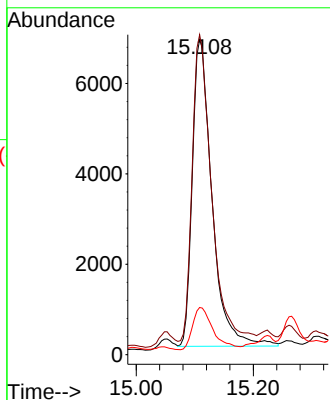
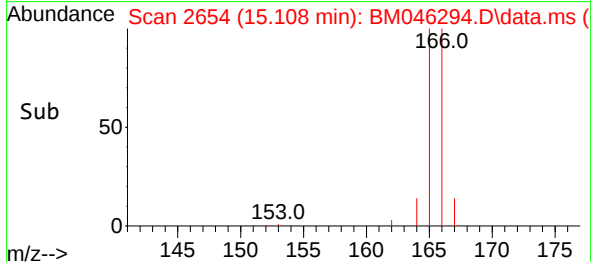
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:166 Resp: 1584
Ion Ratio Lower Upper
166 100
165 101.5 80.4 120.6
167 15.0 12.4 18.6

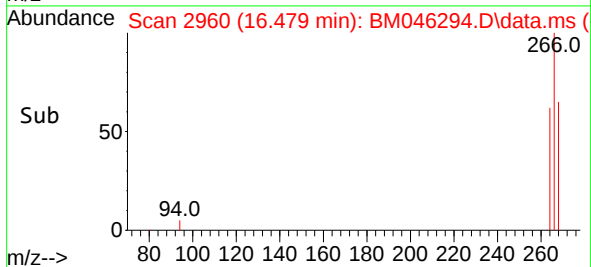
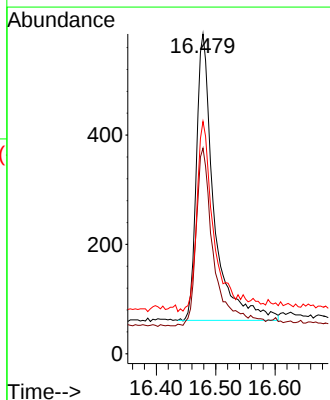
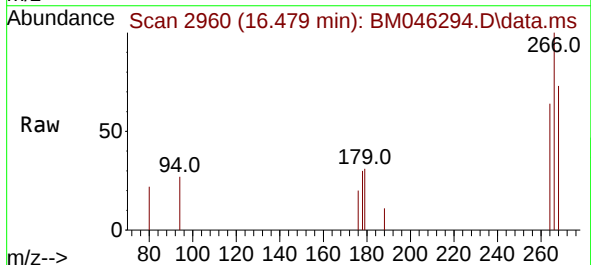
Manual Integrations
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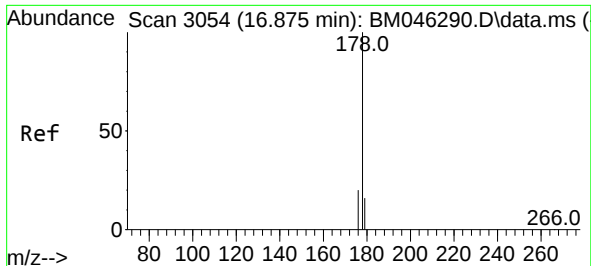
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#14
Pentachlorophenol
Concen: 0.500 ng/ul
RT: 16.479 min Scan# 2960
Delta R.T. -0.055 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

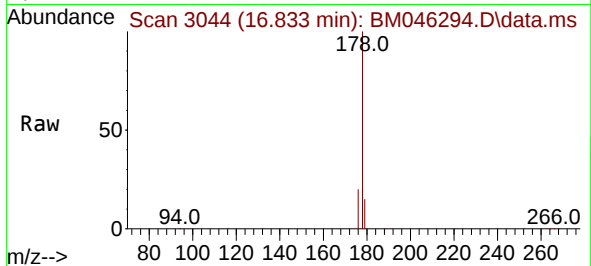
Tgt Ion:266 Resp: 1076
Ion Ratio Lower Upper
266 100
264 64.8 50.9 76.3
268 66.2 52.3 78.5





#15
Phenanthrene
Concen: 15.862 ng/u1
RT: 16.833 min Scan# 3044
Delta R.T. -0.055 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

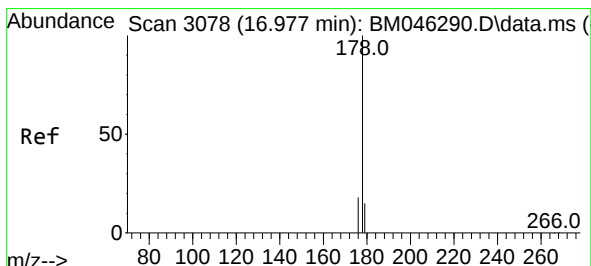
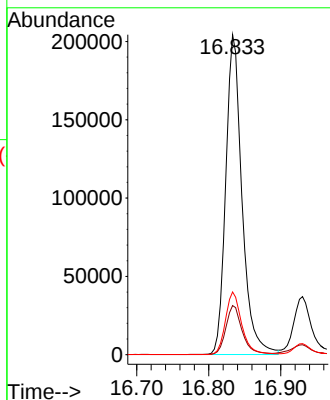
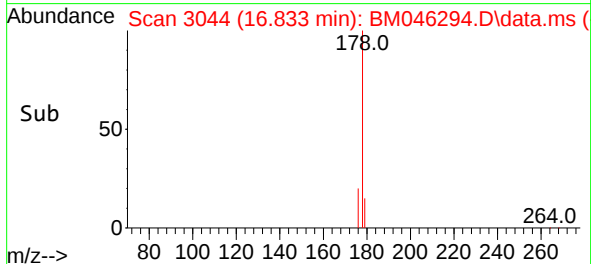
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:178 Resp: 31984
Ion Ratio Lower Upper
178 100
179 15.3 14.2 21.2
176 19.6 17.1 25.7

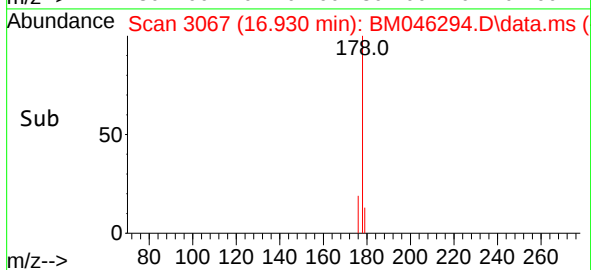
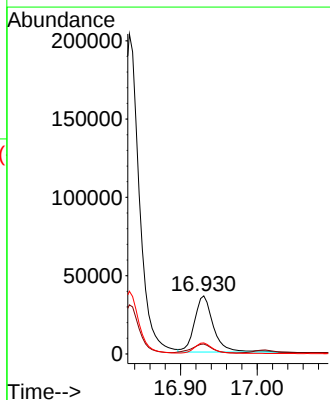
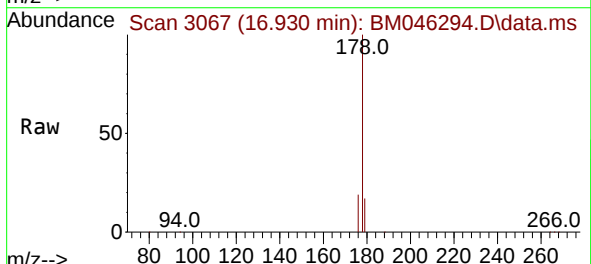
Manual Integrations
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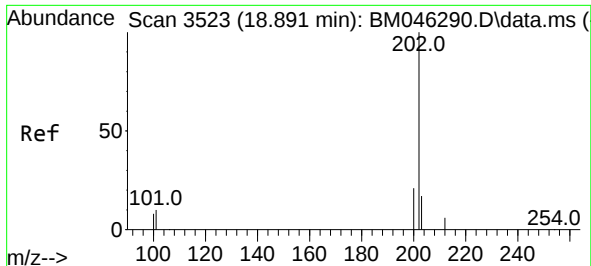
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#16
Anthracene
Concen: 4.084 ng/u1
RT: 16.930 min Scan# 3067
Delta R.T. -0.076 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

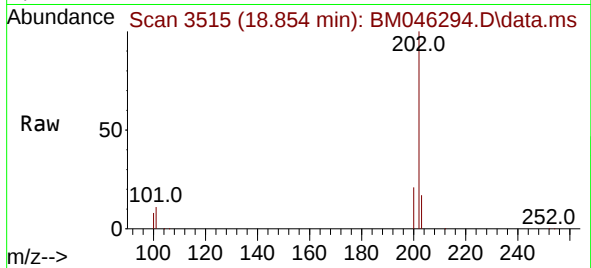
Tgt Ion:178 Resp: 61325
Ion Ratio Lower Upper
178 100
179 17.0 14.9 22.3
176 19.0 17.0 25.4





#19
Fluoranthene
Concen: 28.259 ng/u1
RT: 18.854 min Scan# 3515
Delta R.T. -0.051 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

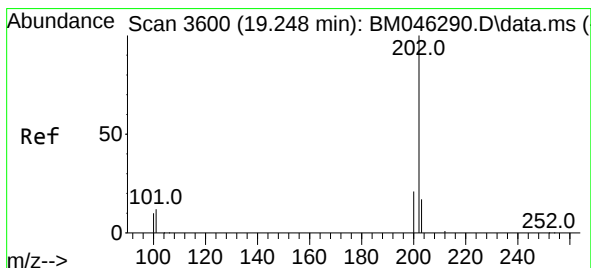
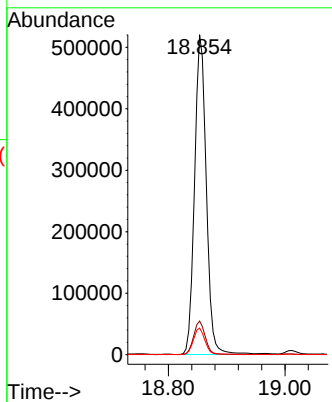
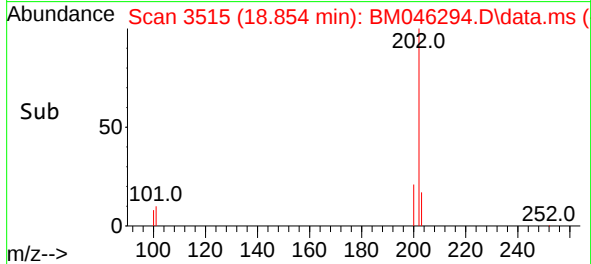
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:202 Resp: 726433
Ion Ratio Lower Upper
202 100
101 10.5 9.6 14.4
100 8.3 7.6 11.4

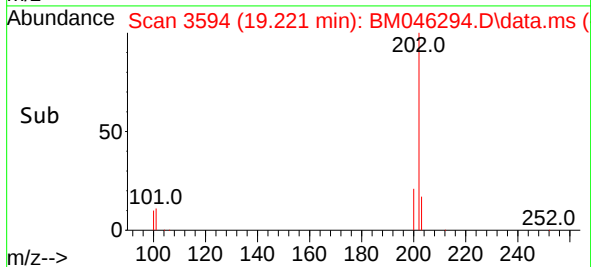
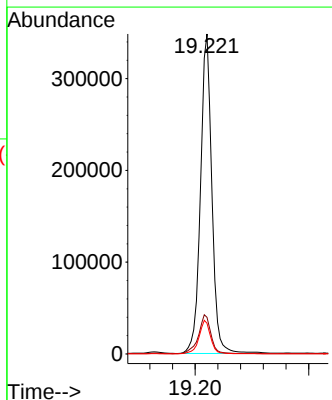
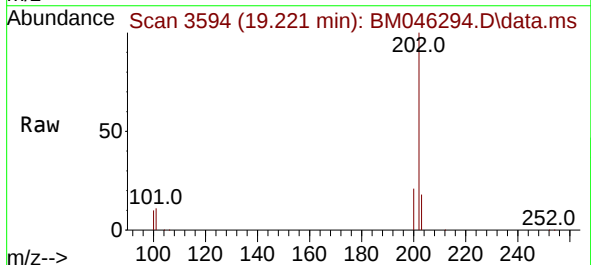
Manual Integrations
APPROVED

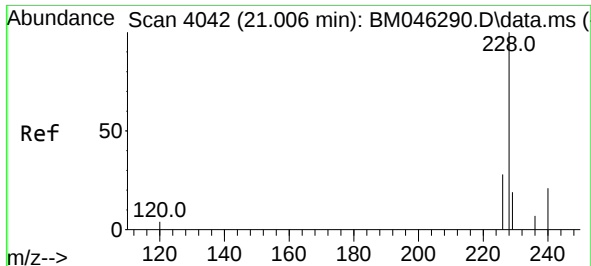
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#20
Pyrene
Concen: 17.433 ng/u1
RT: 19.221 min Scan# 3594
Delta R.T. -0.037 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

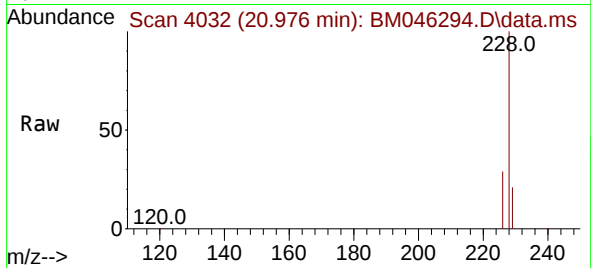
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Ion Ratio Lower Upper
202 100
101 11.5 11.3 16.9
100 9.6 9.8 14.6#





#21
Benzo(a)anthracene
Concen: 12.787 ng/ul
RT: 20.976 min Scan# 4032
Delta R.T. -0.035 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

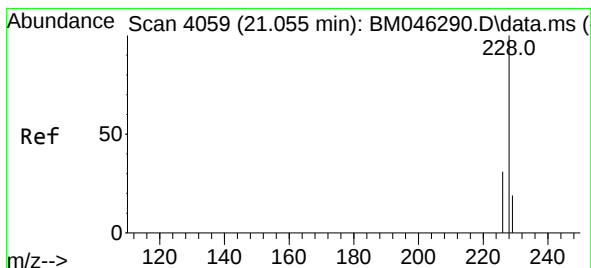
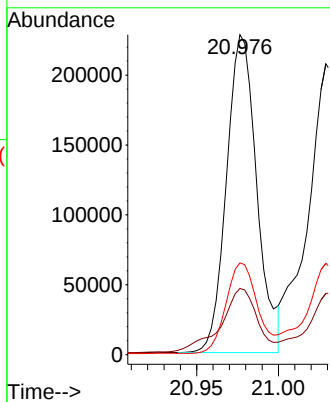
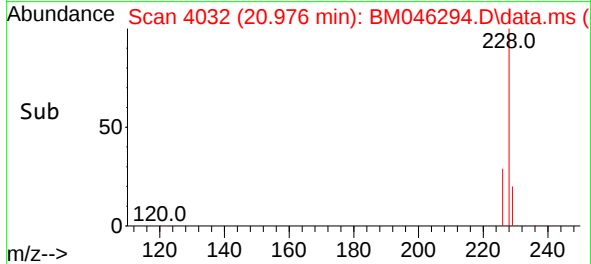
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:228 Resp: 29323
Ion Ratio Lower Upper
228 100
229 20.7 16.4 24.6
226 28.7 23.4 35.2

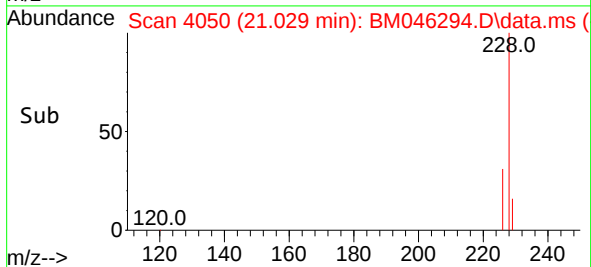
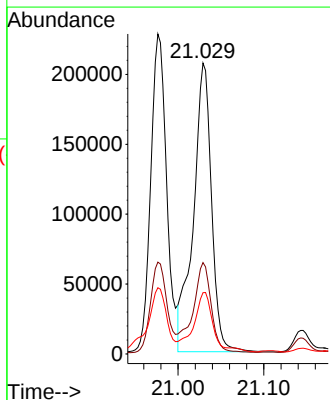
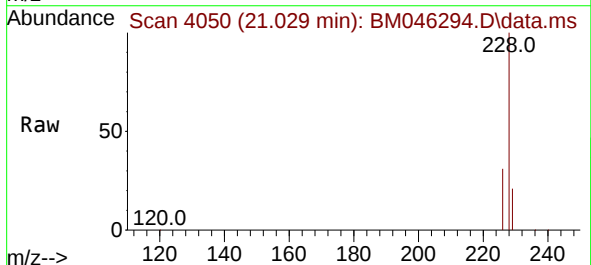
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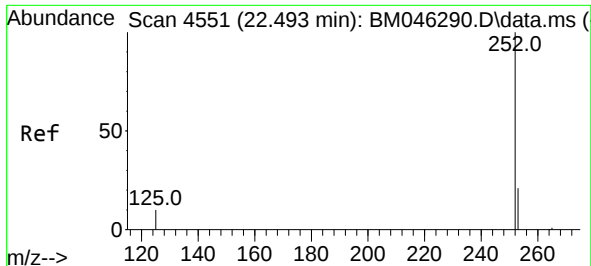
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#22
Chrysene
Concen: 10.363 ng/ul
RT: 21.029 min Scan# 4050
Delta R.T. -0.029 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

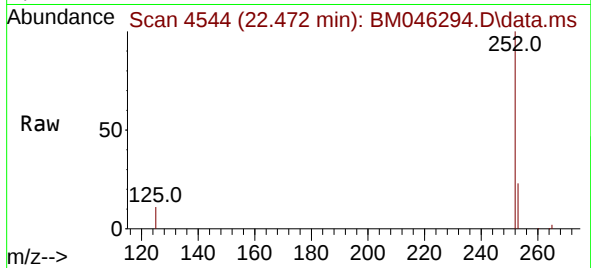
Tgt Ion:228 Resp: 303289
Ion Ratio Lower Upper
228 100
226 31.4 25.2 37.8
229 21.1 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 14.146 ng/ul m
RT: 22.472 min Scan# 4544
Delta R.T. -0.023 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

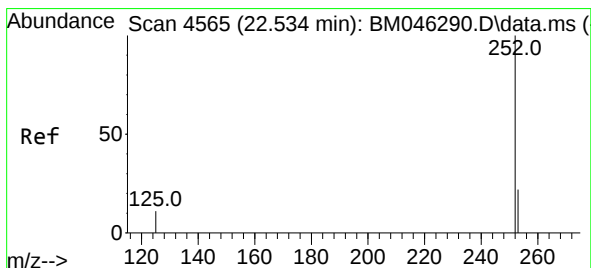
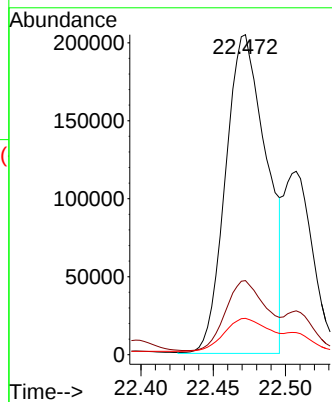
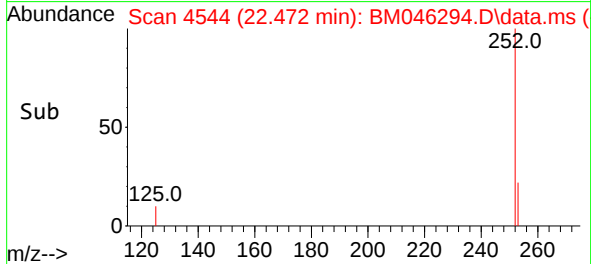
Instrument :
BNA_M
ClientSampleId :
A4C64MS



Tgt Ion:252 Resp: 403738
Ion Ratio Lower Upper
252 100
253 23.1 0.0 65.8
125 11.4 0.0 40.2

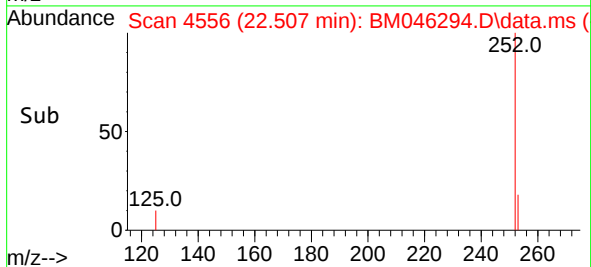
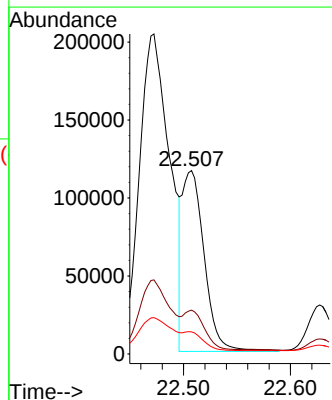
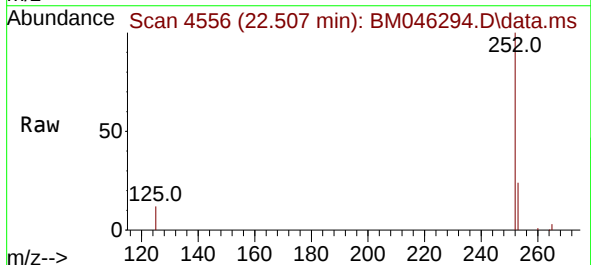
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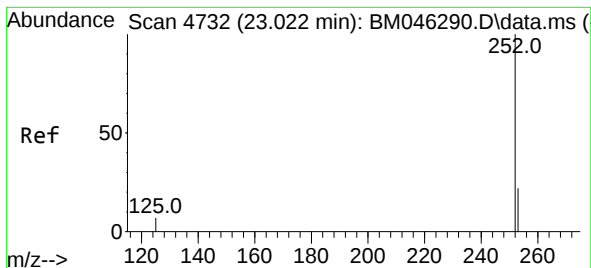
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#25
Benzo(k)fluoranthene
Concen: 4.884 ng/ul m
RT: 22.507 min Scan# 4556
Delta R.T. -0.029 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

Tgt Ion:252 Resp: 165712
Ion Ratio Lower Upper
252 100
253 23.9 27.2 40.8#
125 12.0 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 5.783 ng/ul

RT: 22.996 min Scan# 41

Delta R.T. -0.032 min

Lab File: BM046294.D

Acq: 25 Jun 2024 16:39

Instrument :

BNM_M

ClientSampleId :

A4C64MS

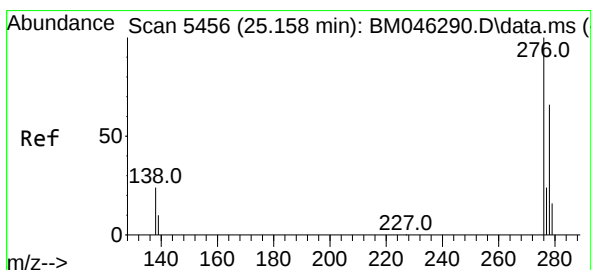
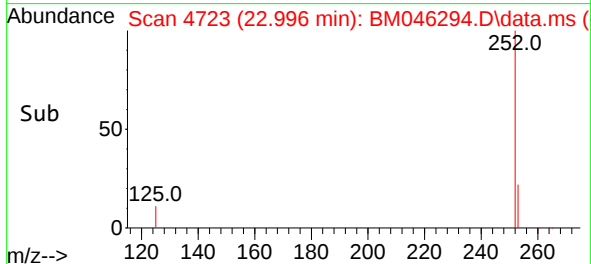
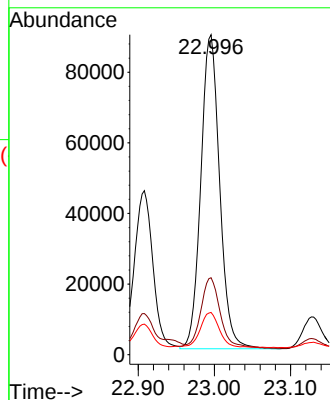
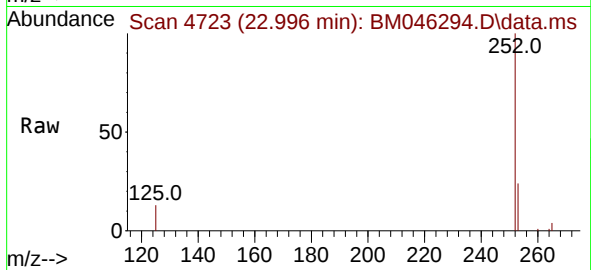
Tgt Ion:252 Resp: 15293
Ion Ratio Lower Upper
252 100
253 24.1 32.1 48.1
125 13.2 21.2 31.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.679 ng/ul

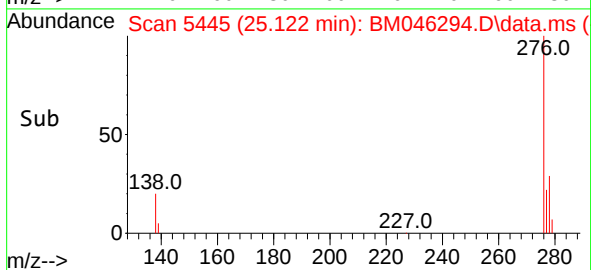
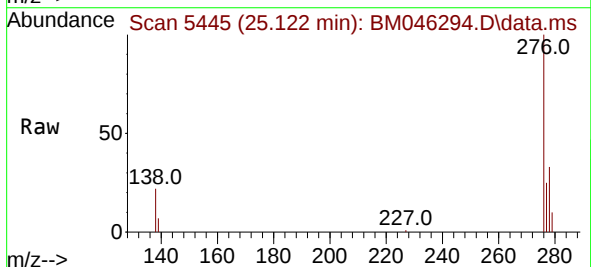
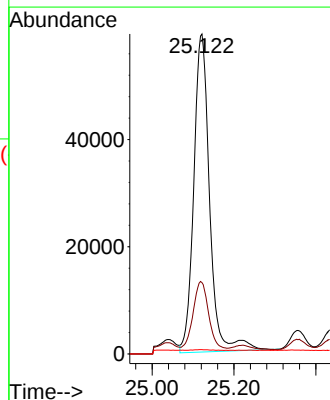
RT: 25.122 min Scan# 5445

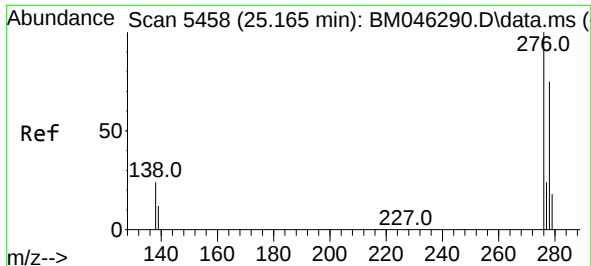
Delta R.T. -0.047 min

Lab File: BM046294.D

Acq: 25 Jun 2024 16:39

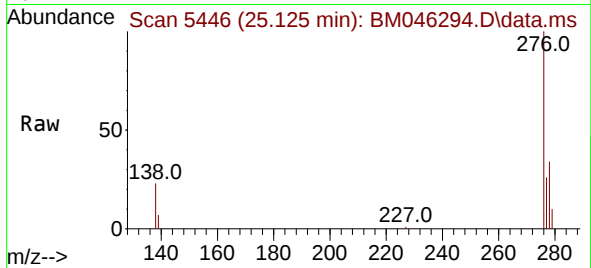
Tgt Ion:276 Resp: 159260
Ion Ratio Lower Upper
276 100
138 24.9 21.0 31.4
227 8.6 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 1.690 ng/ul
RT: 25.125 min Scan# 5446
Delta R.T. -0.057 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39

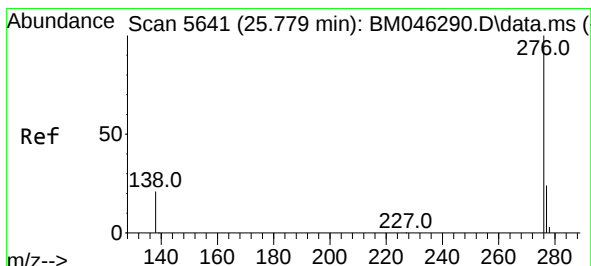
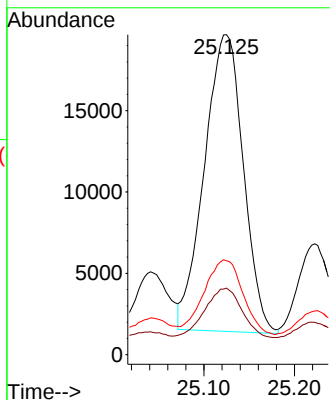
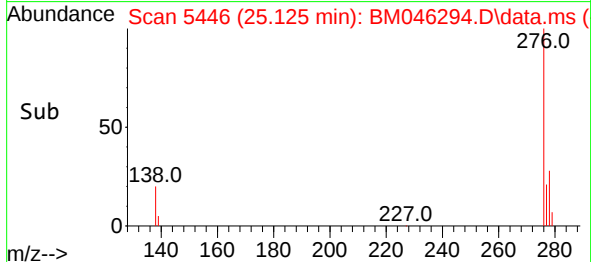
Instrument :
BNA_M
ClientSampleId :
A4C64MS



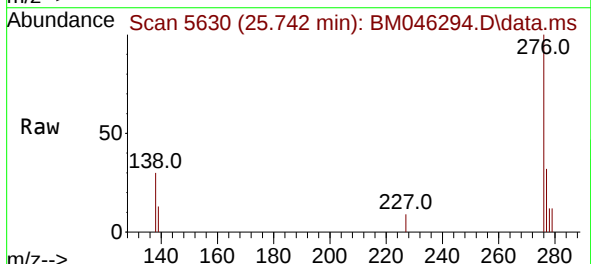
Tgt Ion:278 Resp: 5446
Ion Ratio Lower Upper
278 100
139 20.8 17.6 26.4
279 29.3 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.593 ng/ul
RT: 25.742 min Scan# 5630
Delta R.T. -0.044 min
Lab File: BM046294.D
Acq: 25 Jun 2024 16:39



Tgt Ion:276 Resp: 21998
Ion Ratio Lower Upper
276 100
138 29.6 21.7 32.5
277 31.8 20.4 30.6#

