

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045559.D
 Acq On : 25 Apr 2024 11:23
 Operator : MA/JU
 Sample : P2104-09DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/25/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 12:41:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.551	152	1052	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.320	136	2753	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.200	164	1337	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.963	188	2662	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.179	240	2495	0.400	ng/ul	-0.01
23) Perylene-d12	23.365	264	3621m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.171	96	1160	0.823	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.942	152	172m	0.047	ng/ul	0.01
18) Fluoranthene-d10	19.006	212	354	0.045	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.369	128	463	0.063	ng/ul#	79
7) 2-Methylnaphthalene	12.013	142	278	0.066	ng/ul	100
8) 1-Methylnaphthalene	12.222	142	207	0.044	ng/ul	97
10) Acenaphthylene	13.918	152	1861	0.282	ng/ul	99
11) Acenaphthene	14.265	153	298	0.061	ng/ul	96
12) Fluorene	15.264	166	333	0.064	ng/ul#	94
15) Phenanthrene	17.005	178	6053	0.781	ng/ul	93
16) Anthracene	17.098	178	2892	0.399	ng/ul	96
19) Fluoranthene	19.034	202	17292	1.502	ng/ul#	90
20) Pyrene	19.401	202	16477	1.392	ng/ul#	91
21) Benzo(a)anthracene	21.164	228	17075	2.141	ng/ul	96
22) Chrysene	21.214	228	17972	1.466	ng/ul	99
24) Benzo(b)fluoranthene	22.713	252	37823	3.105	ng/ul	86
25) Benzo(k)fluoranthene	22.754	252	14009m	0.910	ng/ul	
26) Benzo(a)pyrene	23.268	252	22290	1.764	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.545	276	17462	0.951	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.548	278	4815	0.331	ng/ul	97
29) Benzo(g,h,i)perylene	26.212	276	14478	0.878	ng/ul	96

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

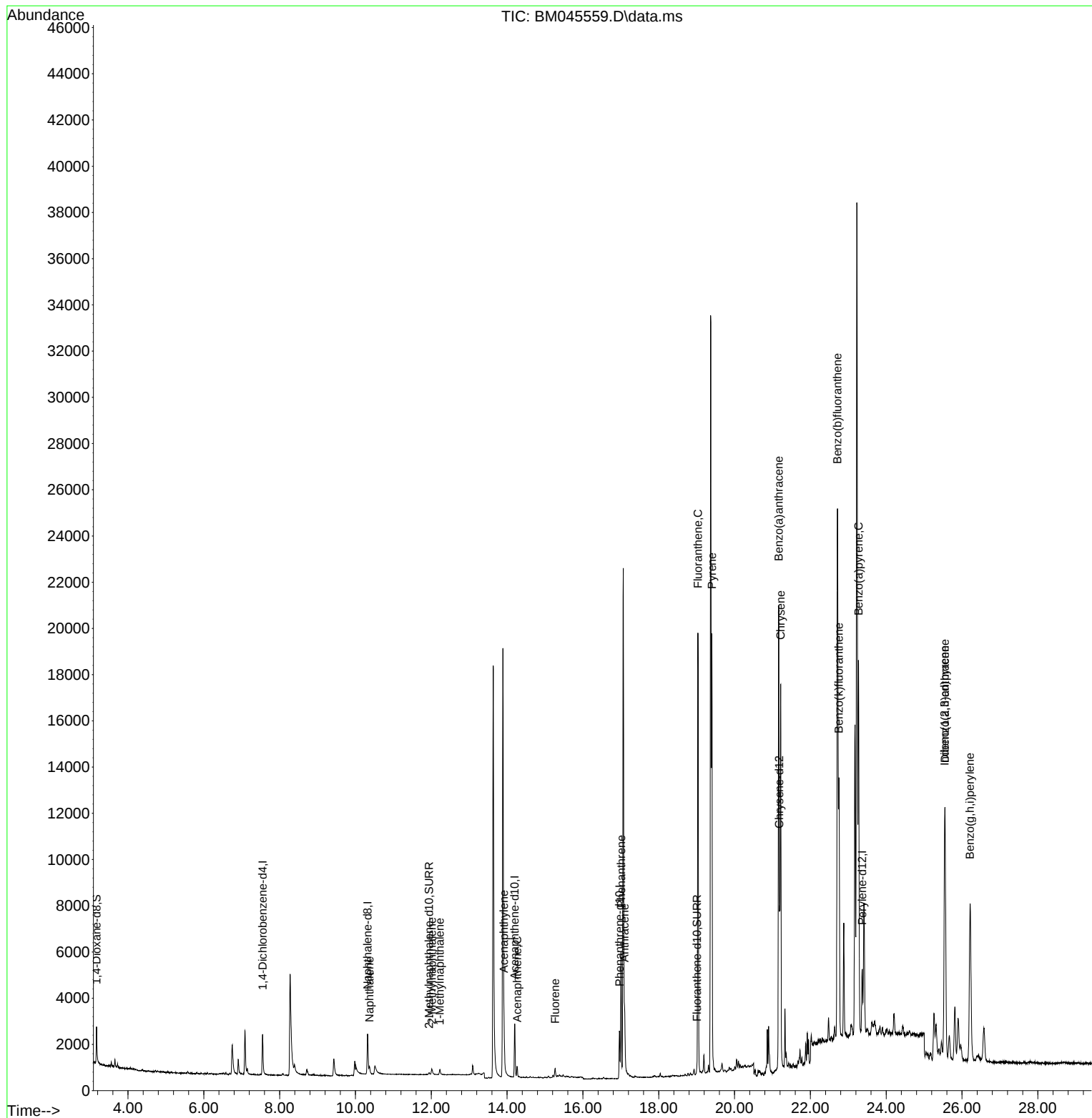
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045559.D
Acq On : 25 Apr 2024 11:23
Operator : MA/JU
Sample : P2104-09DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

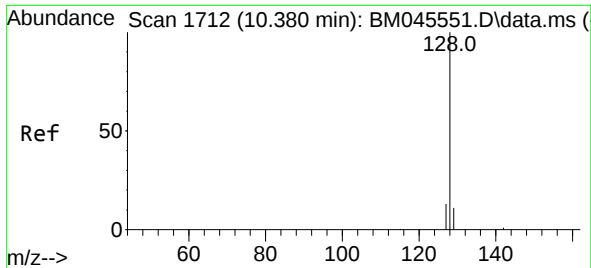
Instrument :
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ClientSampleId :
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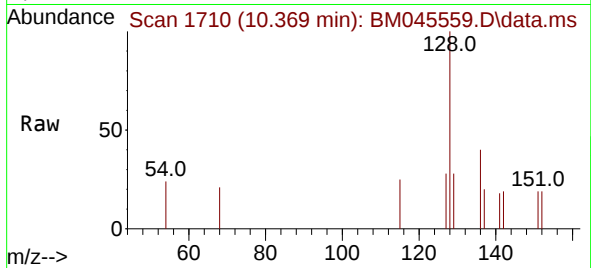
Quant Time: Apr 25 12:41:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
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#5
Naphthalene
Concen: 0.063 ng/ul
RT: 10.369 min Scan# 1710
Delta R.T. -0.011 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

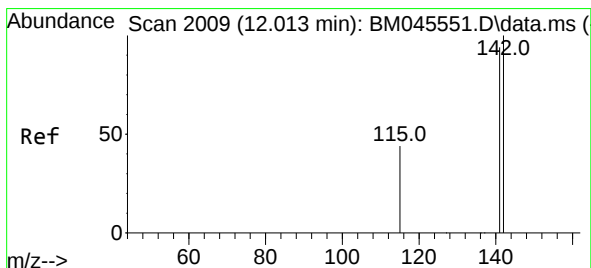
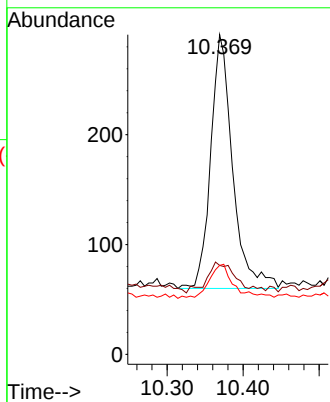
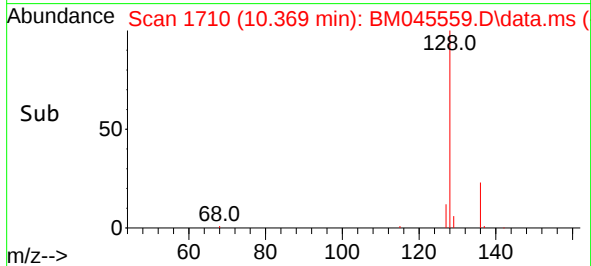
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



Tgt Ion:128 Resp: 46
Ion Ratio Lower Upper
128 100
129 27.8 14.0 21.0
127 27.8 15.4 23.2

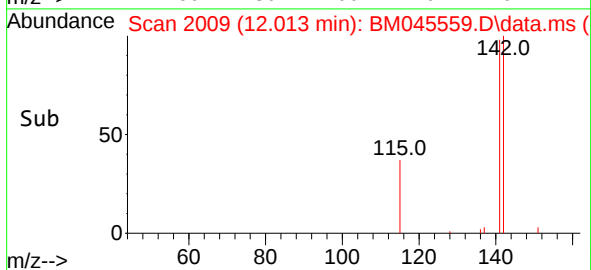
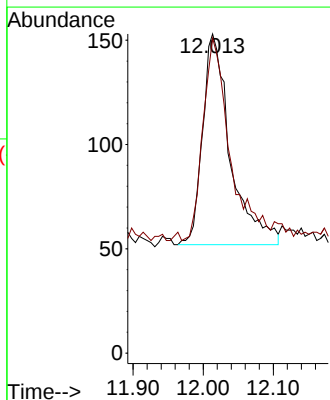
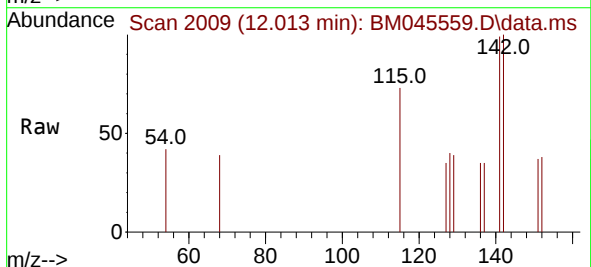
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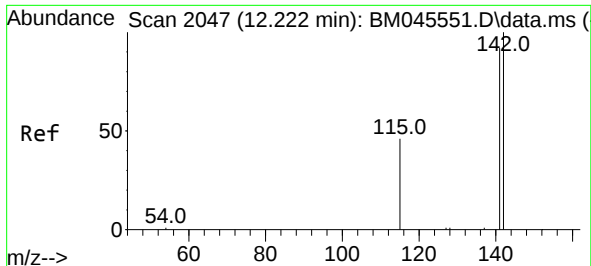
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.013 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

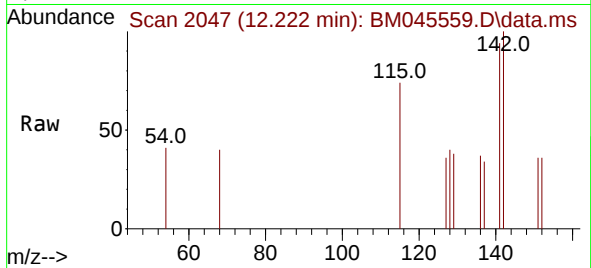
Tgt Ion:142 Resp: 278
Ion Ratio Lower Upper
142 100
141 92.8 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.044 ng/ul
RT: 12.222 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

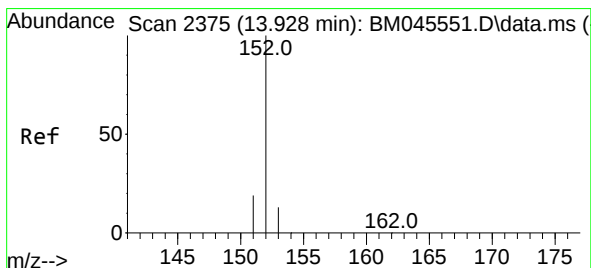
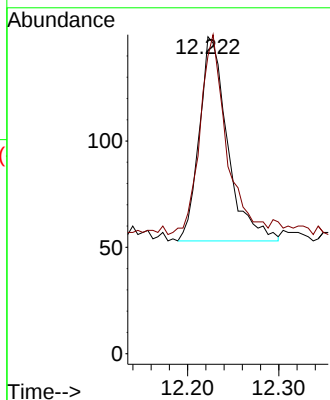
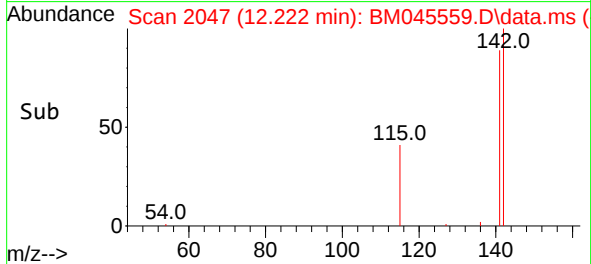
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



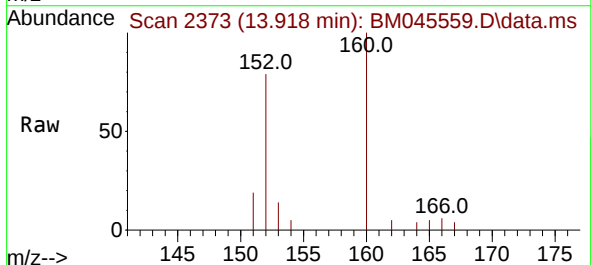
Tgt Ion:142 Resp: 2047
Ion Ratio Lower Upper
142 100
141 91.8 76.1 114.1

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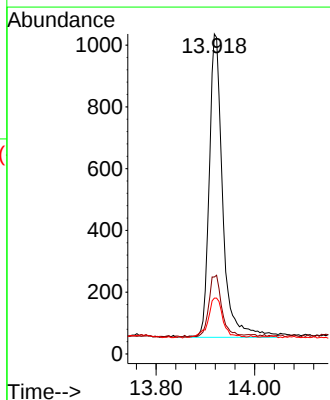
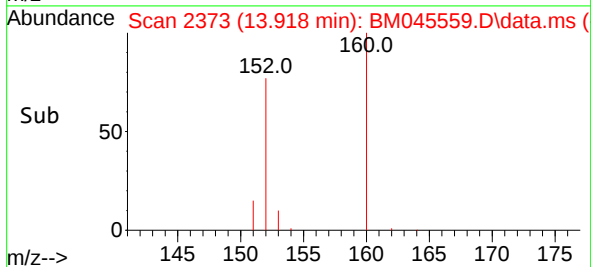
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024

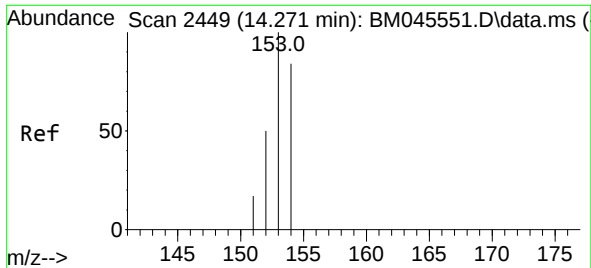


#10
Acenaphthylene
Concen: 0.282 ng/ul
RT: 13.918 min Scan# 2373
Delta R.T. -0.009 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23



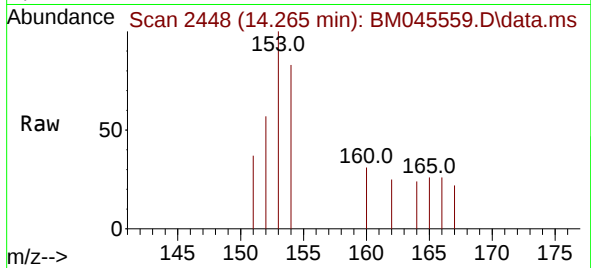
Tgt Ion:152 Resp: 1861
Ion Ratio Lower Upper
152 100
151 24.0 18.6 28.0
153 17.5 14.1 21.1





#11
Acenaphthene
Concen: 0.061 ng/u1
RT: 14.265 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

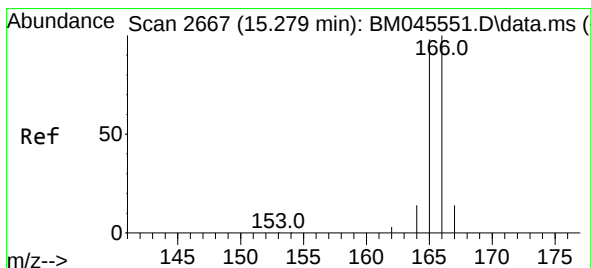
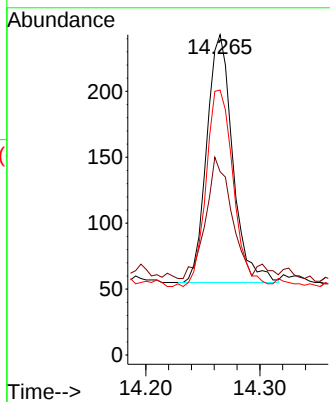
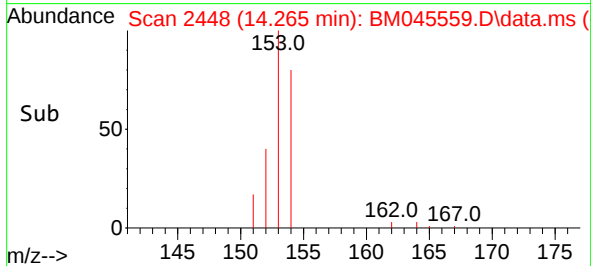
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



Tgt Ion:153 Resp: 298
Ion Ratio Lower Upper
153 100
152 57.2 43.4 65.2
154 82.7 69.0 103.6

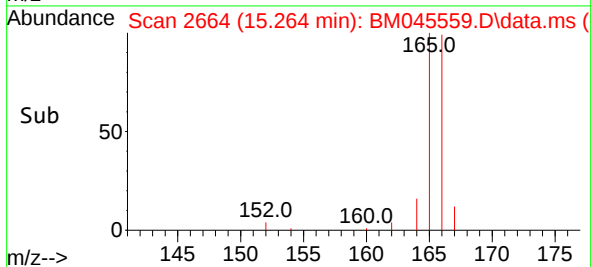
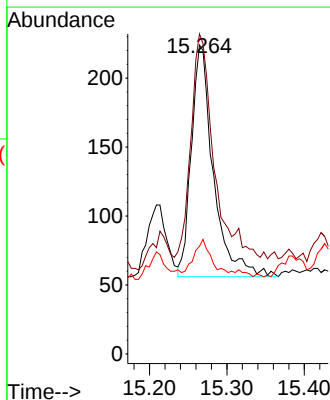
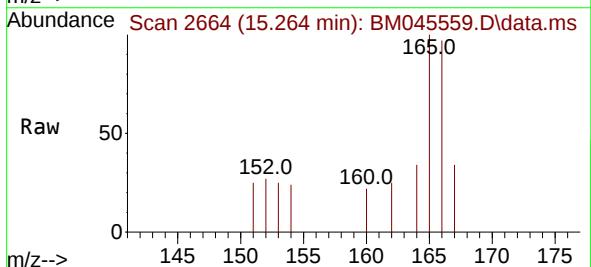
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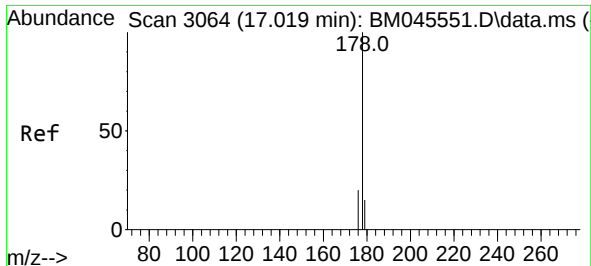
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#12
Fluorene
Concen: 0.064 ng/u1
RT: 15.264 min Scan# 2664
Delta R.T. -0.014 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

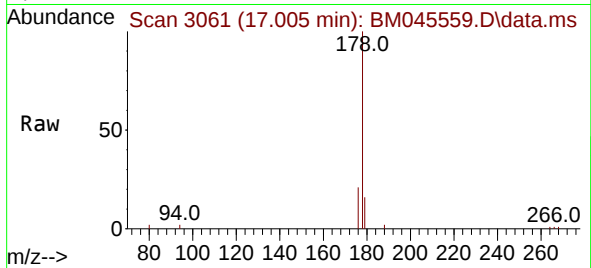
Tgt Ion:166 Resp: 333
Ion Ratio Lower Upper
166 100
165 103.6 82.2 123.2
167 34.8 14.8 22.2#





#15
Phenanthrene
Concen: 0.781 ng/u1
RT: 17.005 min Scan# 3061
Delta R.T. -0.017 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

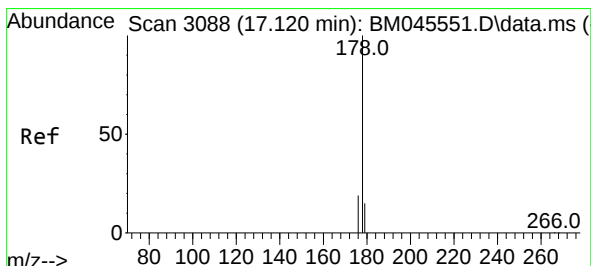
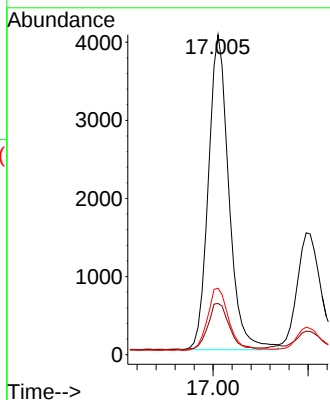
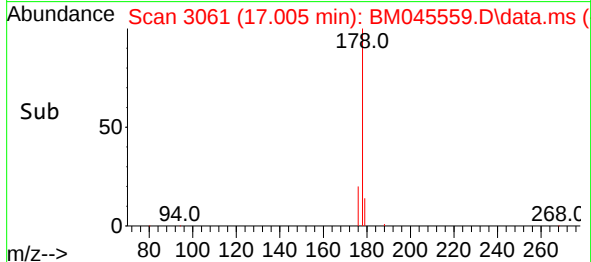
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



Tgt Ion:178 Resp: 605
Ion Ratio Lower Upper
178 100
179 16.0 15.4 23.2
176 20.8 19.0 28.4

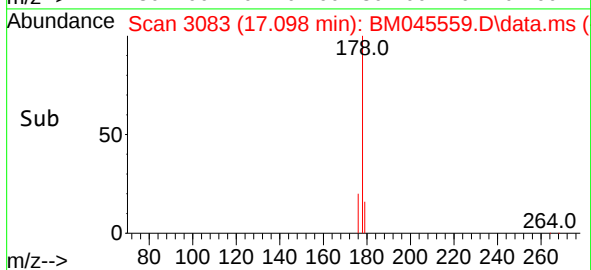
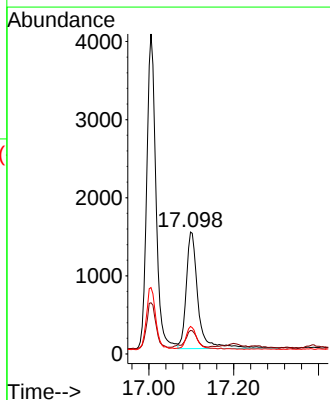
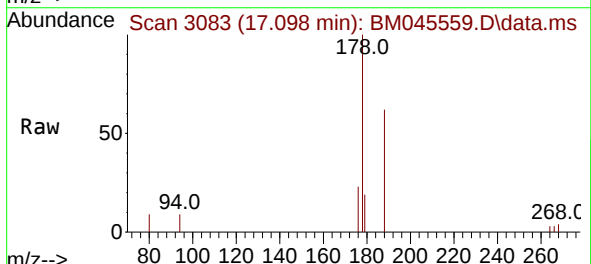
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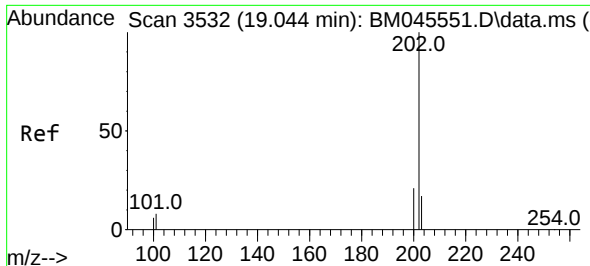
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#16
Anthracene
Concen: 0.399 ng/u1
RT: 17.098 min Scan# 3083
Delta R.T. -0.021 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

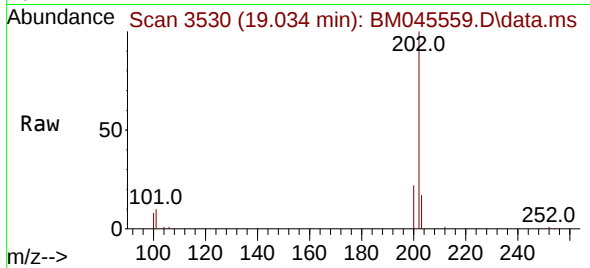
Tgt Ion:178 Resp: 2892
Ion Ratio Lower Upper
178 100
179 19.4 17.8 26.6
176 22.6 18.7 28.1





#19
Fluoranthene
Concen: 1.502 ng/u1
RT: 19.034 min Scan# 3532
Delta R.T. -0.014 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

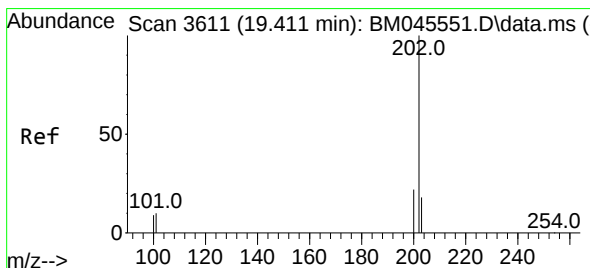
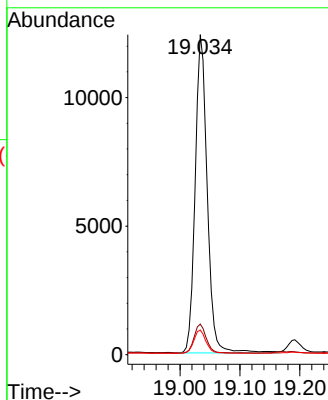
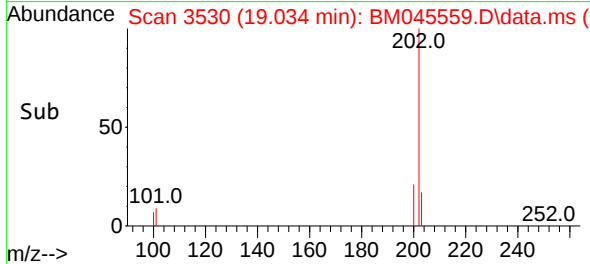
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



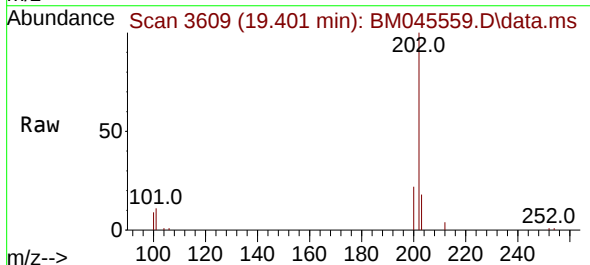
Tgt Ion:202 Resp: 17292
Ion Ratio Lower Upper
202 100
101 9.5 11.2 16.8#
100 7.7 9.1 13.7#

Manual Integrations
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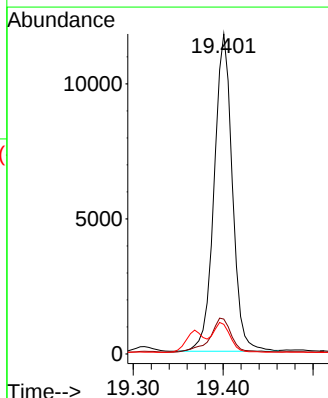
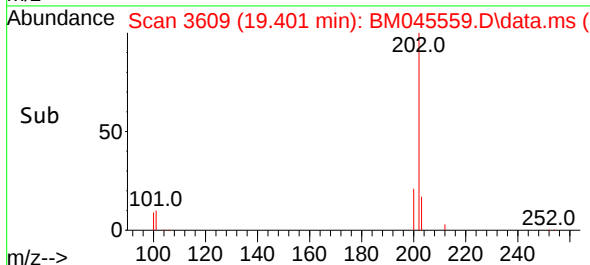
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024

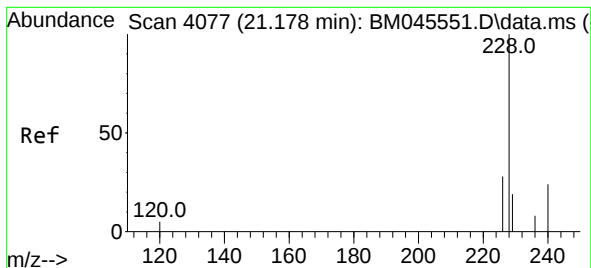


#20
Pyrene
Concen: 1.392 ng/u1
RT: 19.401 min Scan# 3609
Delta R.T. -0.014 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23



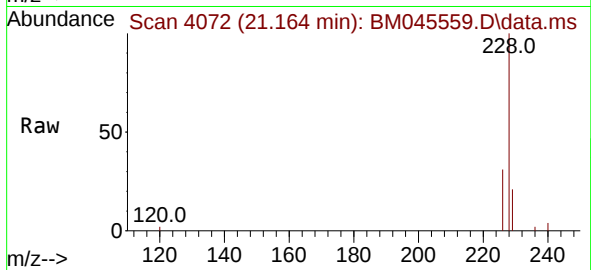
Tgt Ion:202 Resp: 16477
Ion Ratio Lower Upper
202 100
101 10.9 11.5 17.3#
100 9.3 10.6 15.8#





#21
Benzo(a)anthracene
Concen: 2.141 ng/ul
RT: 21.164 min Scan# 4077
Delta R.T. -0.017 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

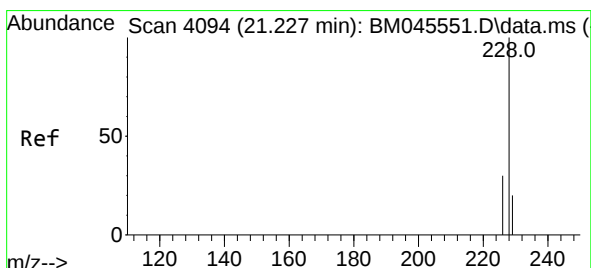
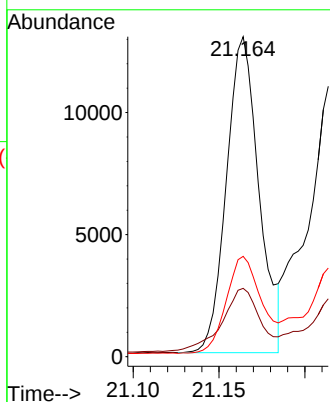
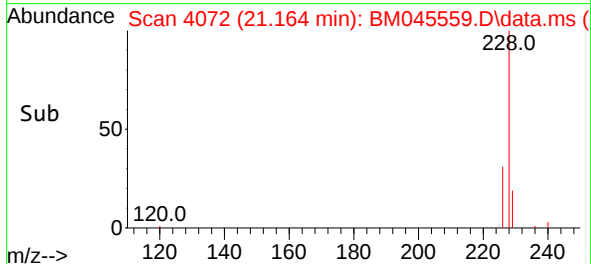
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



Tgt Ion:228 Resp: 17075
Ion Ratio Lower Upper
228 100
229 21.3 19.4 29.2
226 31.3 26.3 39.5

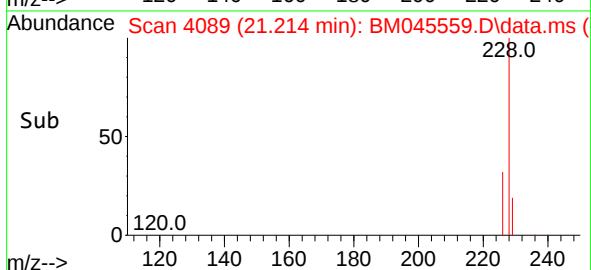
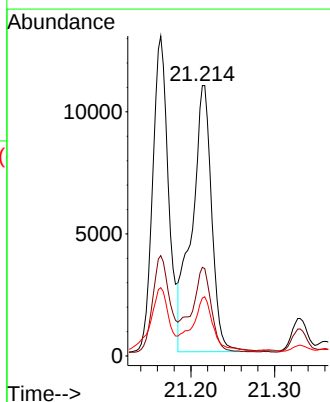
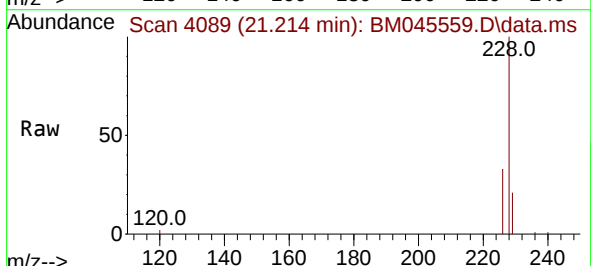
Manual Integrations
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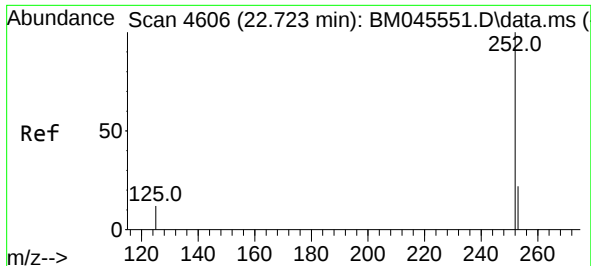
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#22
Chrysene
Concen: 1.466 ng/ul
RT: 21.214 min Scan# 4089
Delta R.T. -0.014 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

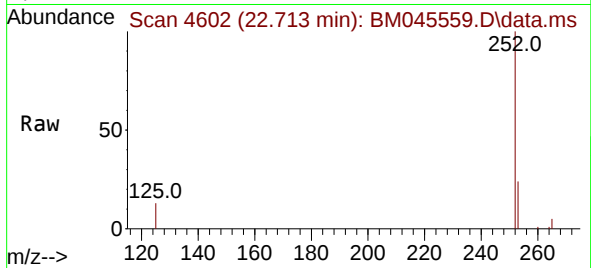
Tgt Ion:228 Resp: 17972
Ion Ratio Lower Upper
228 100
226 32.8 26.3 39.5
229 21.4 17.8 26.8





#24
Benzo(b)fluoranthene
Concen: 3.105 ng/ul
RT: 22.713 min Scan# 4602
Delta R.T. -0.017 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

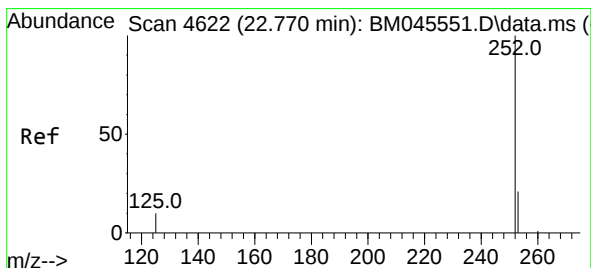
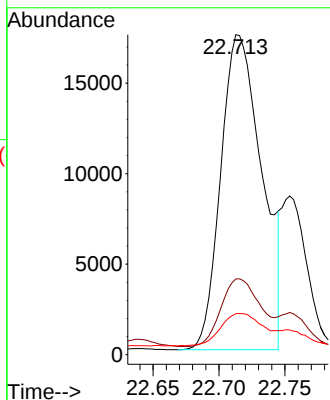
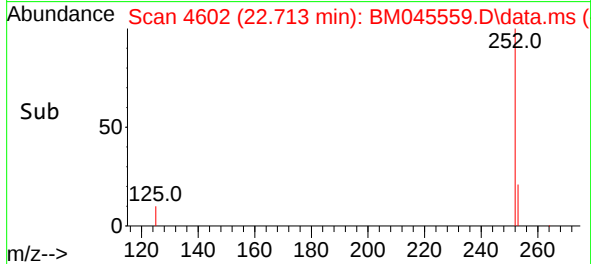
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



Tgt Ion:252 Resp: 3782
Ion Ratio Lower Upper
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253 23.6 0.0 63.4
125 12.8 0.0 36.8

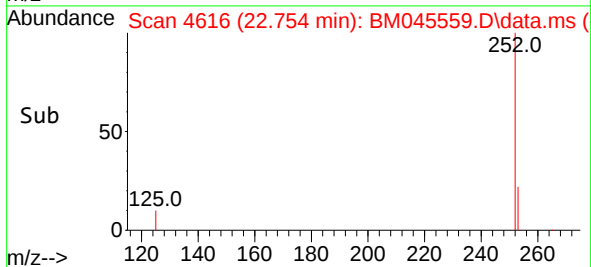
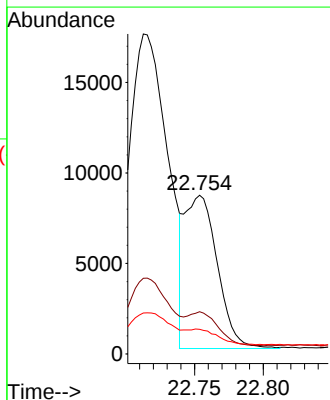
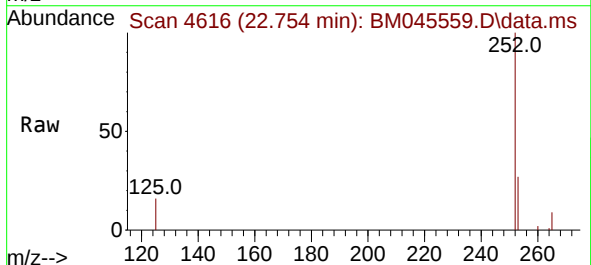
Manual Integrations
APPROVED

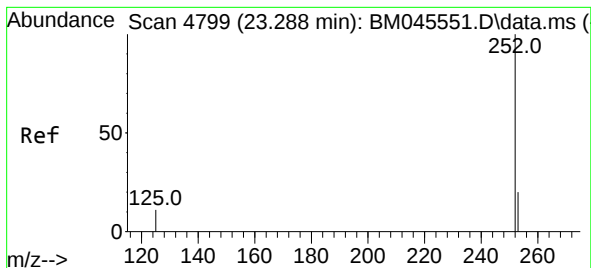
Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#25
Benzo(k)fluoranthene
Concen: 0.910 ng/ul m
RT: 22.754 min Scan# 4616
Delta R.T. -0.017 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

Tgt Ion:252 Resp: 14009
Ion Ratio Lower Upper
252 100
253 26.6 25.4 38.0
125 15.5 14.8 22.2





#26

Benzo(a)pyrene

Concen: 1.764 ng/ul

RT: 23.268 min Scan# 4792

Delta R.T. -0.023 min

Lab File: BM045559.D

Acq: 25 Apr 2024 11:23

Instrument :

BNM

ClientSampleId :

C0AA9DL

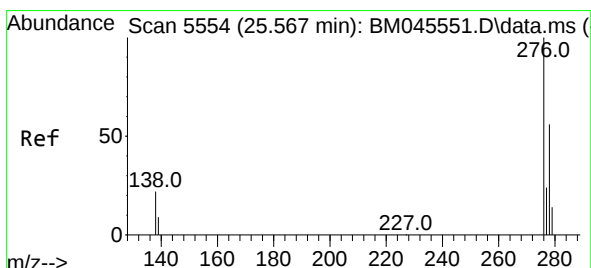
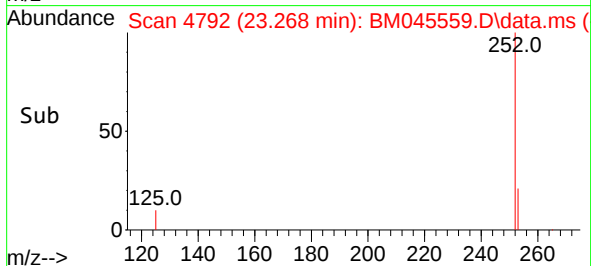
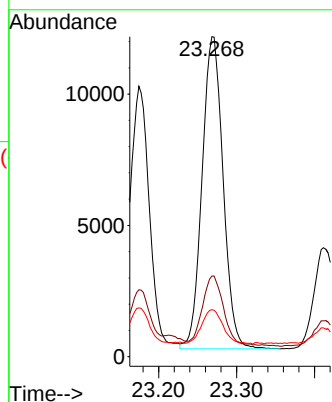
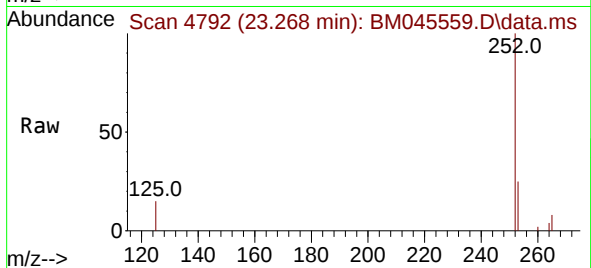
Tgt Ion:252	Resp:	22290
Ion Ratio	Lower	Upper
252	100	
253	25.2	31.6 47.4
125	14.7	19.5 29.3

Manual Integrations

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Supervised By :mohammad ahmed 04/27/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.951 ng/ul

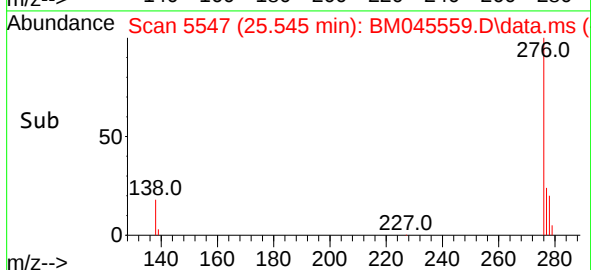
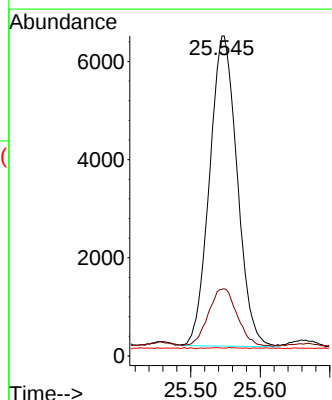
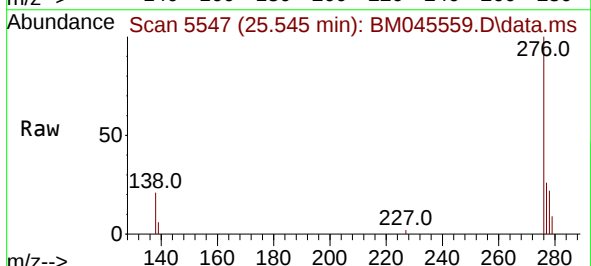
RT: 25.545 min Scan# 5547

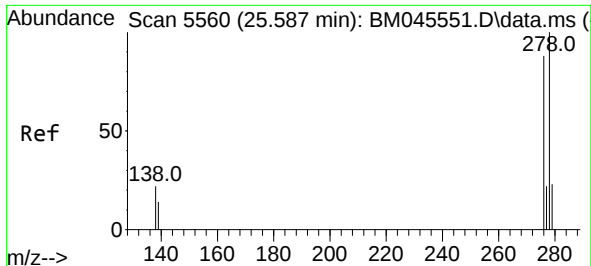
Delta R.T. -0.027 min

Lab File: BM045559.D

Acq: 25 Apr 2024 11:23

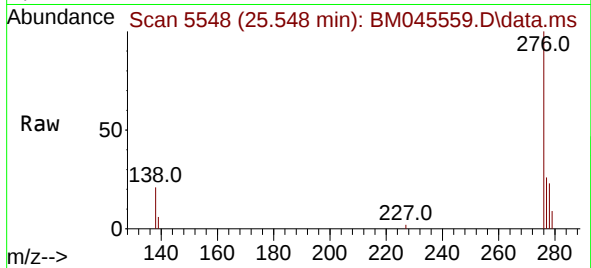
Tgt Ion:276	Resp:	17462
Ion Ratio	Lower	Upper
276	100	
138	19.7	19.8 29.6
227	0.1	0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.331 ng/ul
RT: 25.548 min Scan# 51
Delta R.T. -0.040 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23

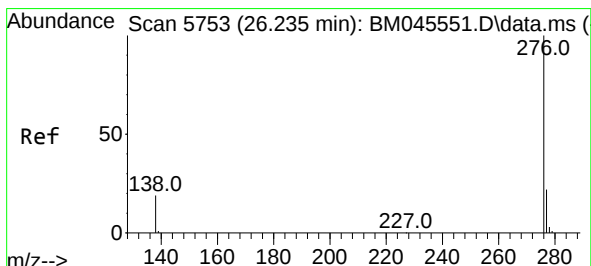
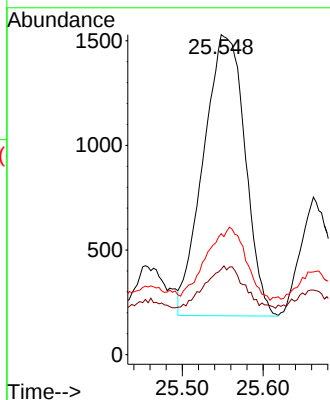
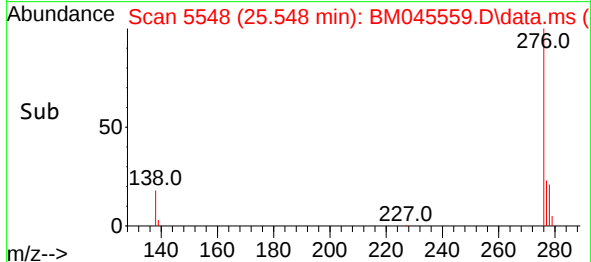
Instrument :
BNA_M
ClientSampleId :
C0AA9DL



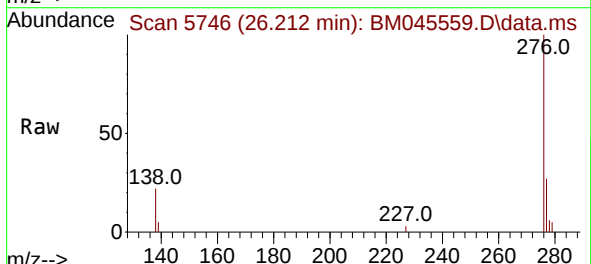
Tgt Ion:278 Resp: 481
Ion Ratio Lower Upper
278 100
139 26.7 19.0 28.6
279 37.8 29.4 44.2

Manual Integrations
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Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.878 ng/ul
RT: 26.212 min Scan# 5746
Delta R.T. -0.023 min
Lab File: BM045559.D
Acq: 25 Apr 2024 11:23



Tgt Ion:276 Resp: 14478
Ion Ratio Lower Upper
276 100
138 22.1 20.8 31.2
277 26.6 21.8 32.8

