

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041049.D
 Acq On : 22 Jul 2023 11:29
 Operator : MA/JU
 Sample : 03540-08MSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4738MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 22 22:36:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 22 22:33:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	4846	0.400	ng/ul	0.00
4) Naphthalene-d8	10.664	136	16866	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.509	164	10251	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	22720	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	12765	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	12938	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1872	0.235	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.253	152	5609	0.250	ng/ul	-0.01
18) Fluoranthene-d10	19.296	212	9756	0.182	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.309	88	6156	0.734	ng/ul#	17
5) Naphthalene	10.713	128	22736	0.493	ng/ul	100
7) 2-Methylnaphthalene	12.330	142	10626	0.420	ng/ul	95
8) 1-Methylnaphthalene	12.550	142	9788	0.364	ng/ul	100
10) Acenaphthylene	14.231	152	14702	0.342	ng/ul	94
11) Acenaphthene	14.573	153	28304	0.748	ng/ul	97
12) Fluorene	15.563	166	33662	0.859	ng/ul	99
14) Pentachlorophenol	16.923	266	305	0.067	ng/ul	96
15) Phenanthrene	17.307	178	410526	6.045	ng/ul	98
16) Anthracene	17.400	178	51687	0.977	ng/ul	98
19) Fluoranthene	19.329	202	562333	8.532	ng/ul#	92
20) Pyrene	19.691	202	148454	2.205	ng/ul	94
21) Benzo(a)anthracene	21.442	228	158303	4.071	ng/ul	99
22) Chrysene	21.498	228	148936	3.350	ng/ul	99
24) Benzo(b)fluoranthene	23.123	252	158762	3.197	ng/ul	87
25) Benzo(k)fluoranthene	23.167	252	66969m	1.419	ng/ul	
26) Benzo(a)pyrene	23.743	252	13074	0.305	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.317	276	26819	0.471	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.330	278	25397	0.590	ng/ul	96
29) Benzo(g,h,i)perylene	27.075	276	1433	0.027	ng/ul#	12

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

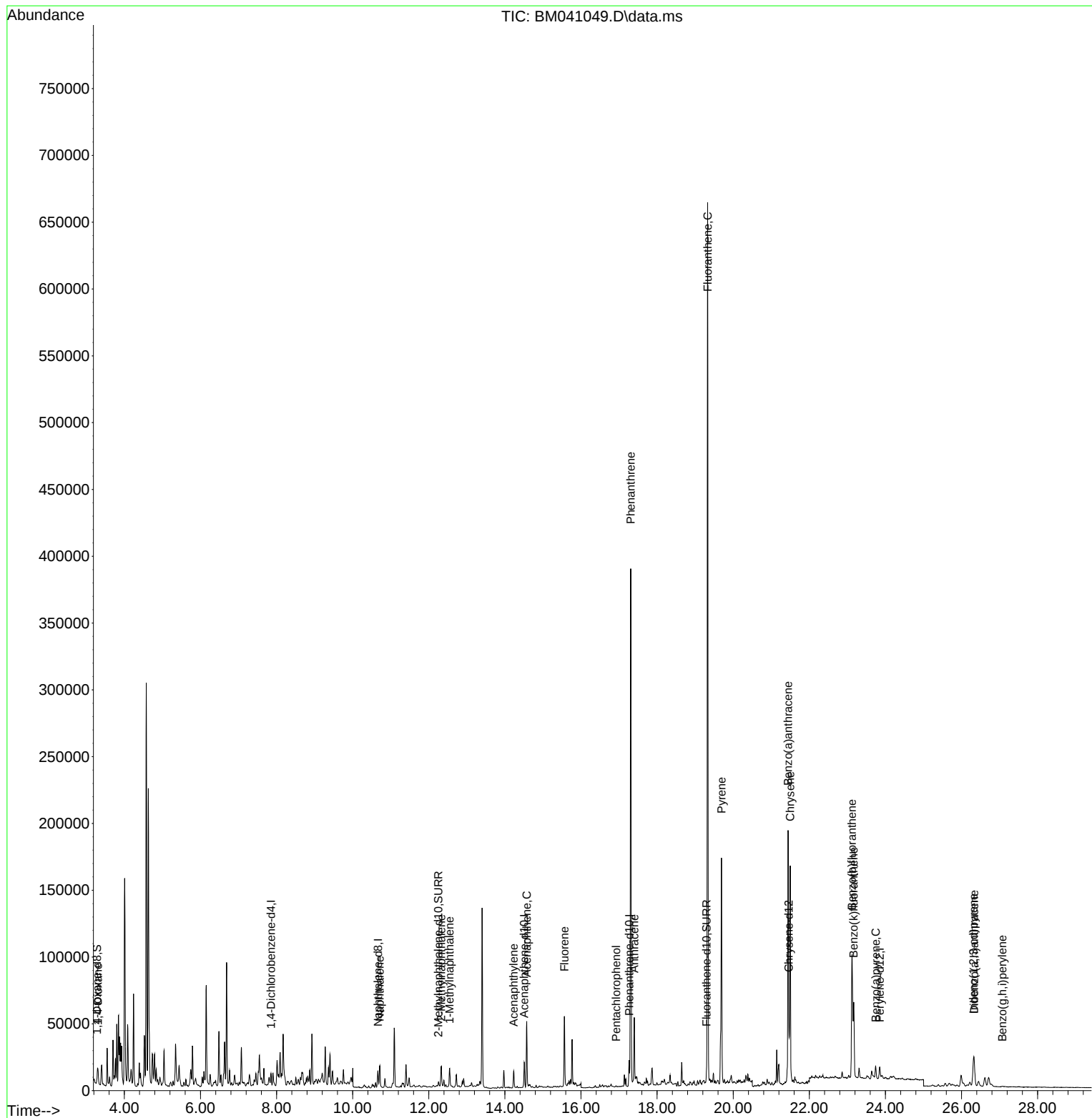
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041049.D
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ALS Vial : 39 Sample Multiplier: 1

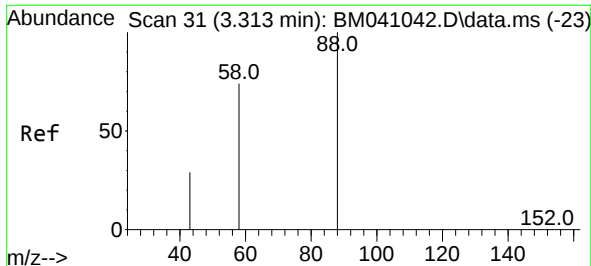
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Supervised By :mohammad ahmed 07/24/2023

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 22 22:33:48 2023
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#2
1,4-Dioxane

Concen: 0.734 ng/ul

RT: 3.309 min Scan# 30

Delta R.T. -0.004 min

Lab File: BM041049.D

Acq: 22 Jul 2023 11:29

Instrument :

BNA_M

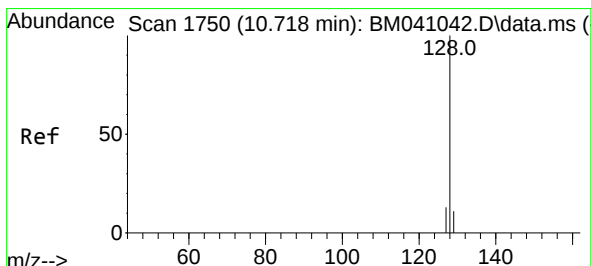
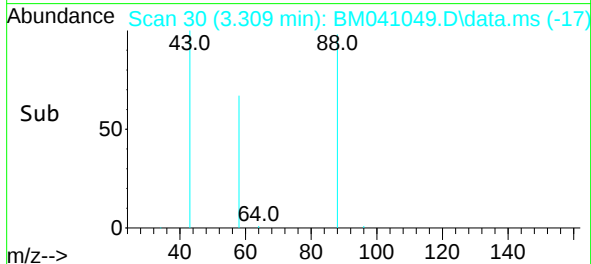
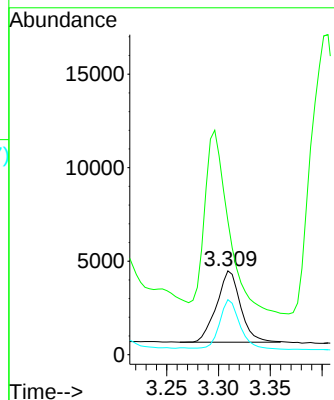
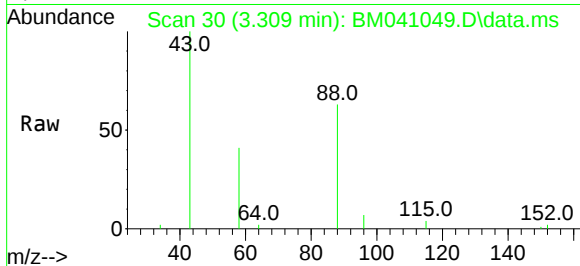
ClientSampleId :

A4738MSD

Tgt Ion: 88 Resp: 6150
 Ion Ratio Lower Upper
 88 100
 43 159.6 46.7 70.1
 58 65.6 40.3 60.5

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#5

Naphthalene

Concen: 0.493 ng/ul

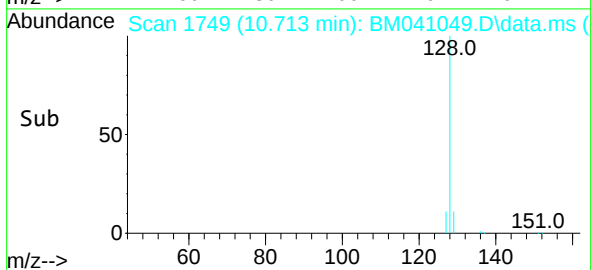
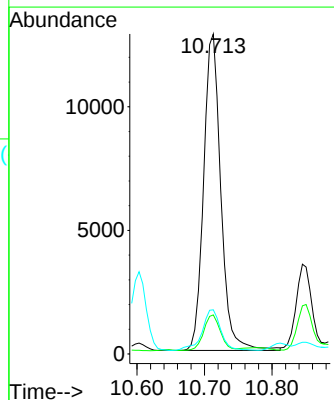
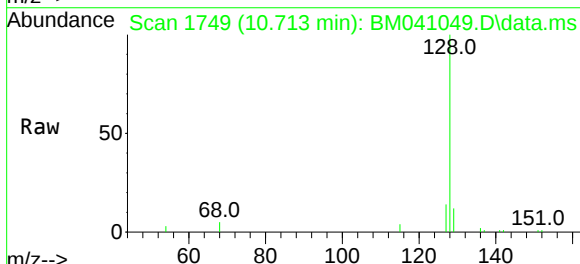
RT: 10.713 min Scan# 1749

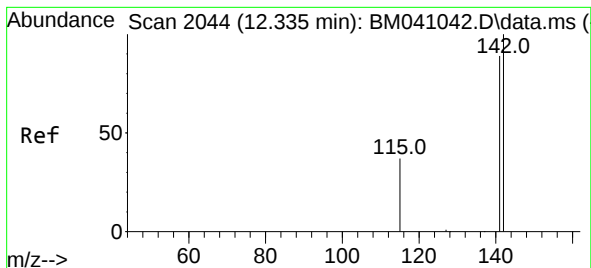
Delta R.T. -0.005 min

Lab File: BM041049.D

Acq: 22 Jul 2023 11:29

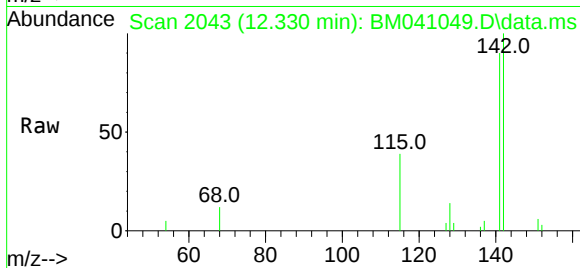
Tgt Ion:128 Resp: 22736
 Ion Ratio Lower Upper
 128 100
 129 12.2 9.8 14.8
 127 13.8 11.0 16.4





#7
2-Methylnaphthalene
Concen: 0.420 ng/ul
RT: 12.330 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

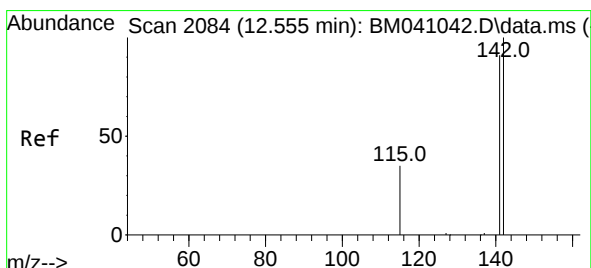
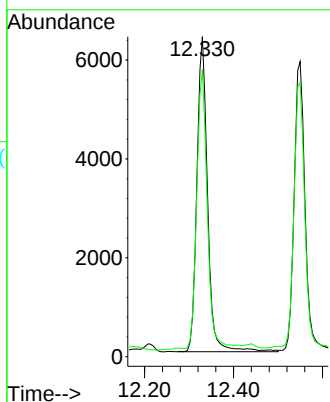
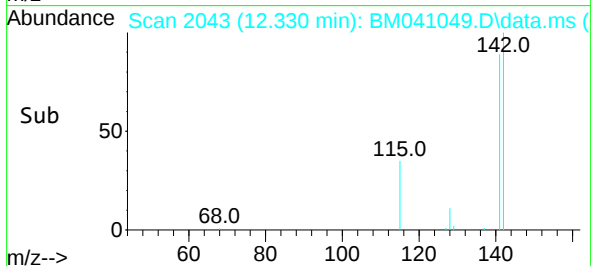
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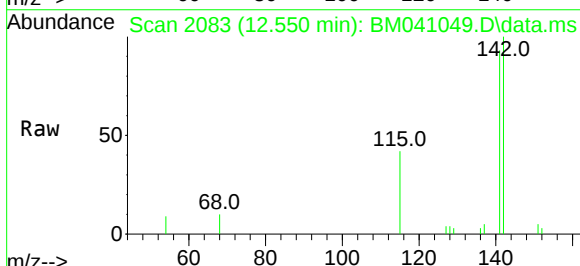
Tgt Ion:142 Resp: 10620
Ion Ratio Lower Upper
142 100
141 87.1 73.2 109.8

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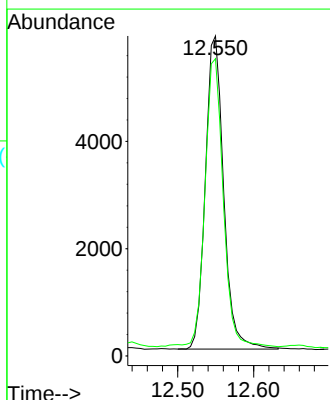
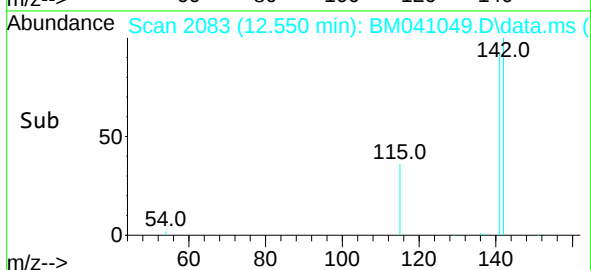
Reviewed By :Yogesh Patel 07/24/2023
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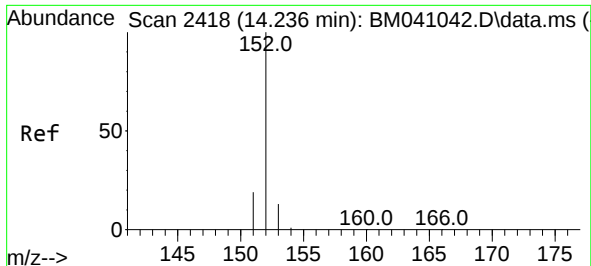


#8
1-Methylnaphthalene
Concen: 0.364 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. -0.005 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29



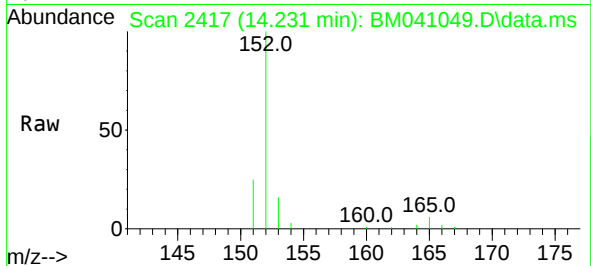
Tgt Ion:142 Resp: 9788
Ion Ratio Lower Upper
142 100
141 91.9 73.4 110.2





#10
Acenaphthylene
Concen: 0.342 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

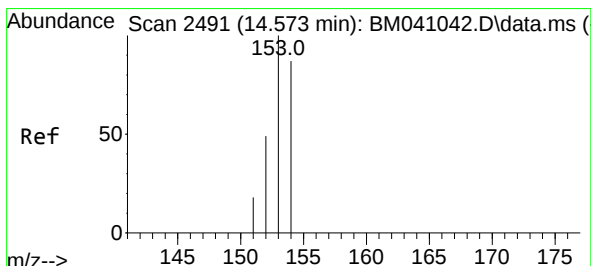
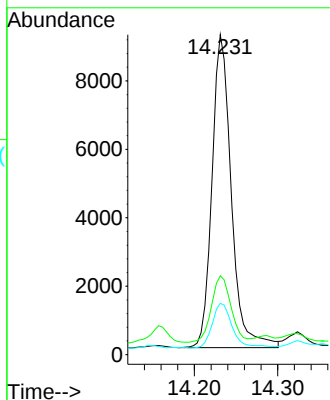
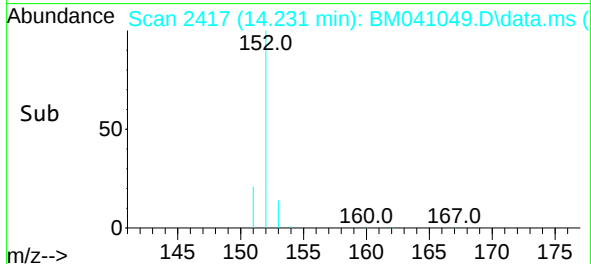
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:152 Resp: 1470
Ion Ratio Lower Upper
152 100
151 24.7 16.8 25.2
153 16.0 11.6 17.4

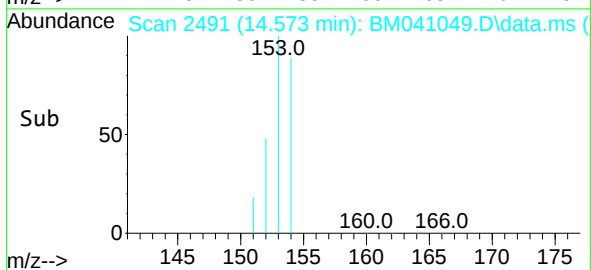
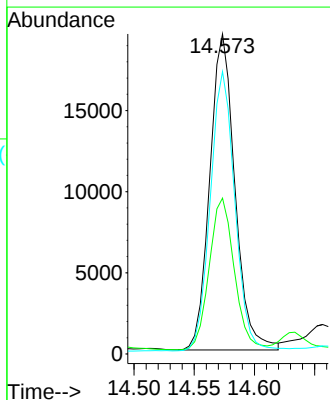
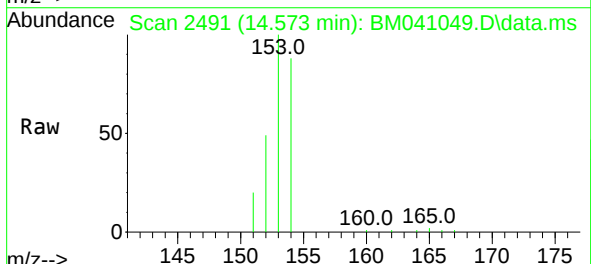
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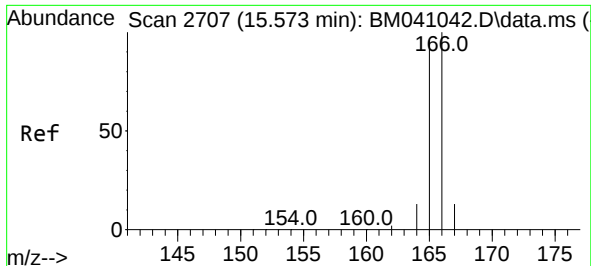
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#11
Acenaphthene
Concen: 0.748 ng/ul
RT: 14.573 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

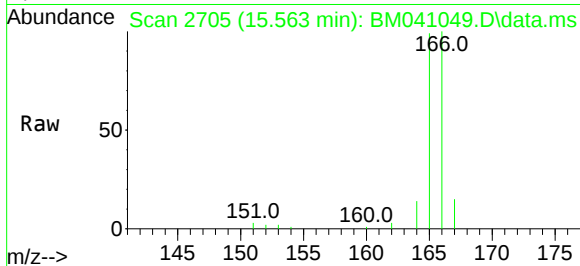
Tgt Ion:153 Resp: 28304
Ion Ratio Lower Upper
153 100
152 48.7 41.0 61.6
154 88.3 68.2 102.2





#12
Fluorene
Concen: 0.859 ng/ul
RT: 15.563 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

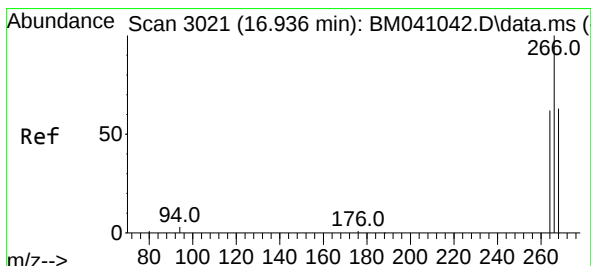
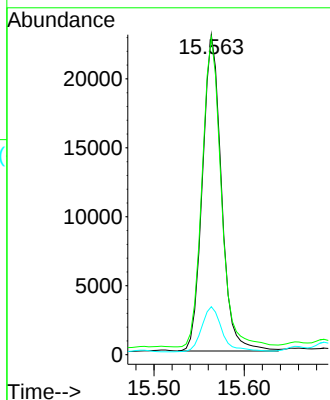
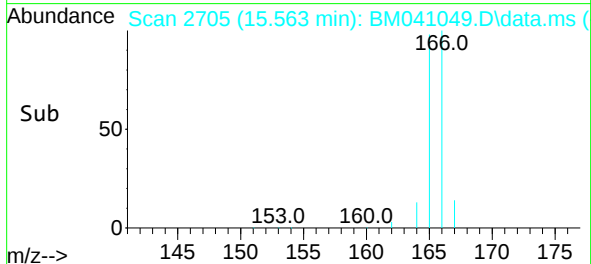
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:166 Resp: 3366
Ion Ratio Lower Upper
166 100
165 99.2 80.3 120.5
167 15.0 11.7 17.5

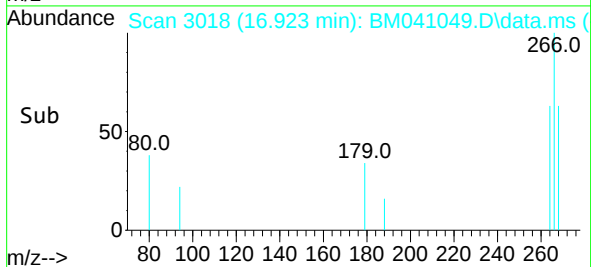
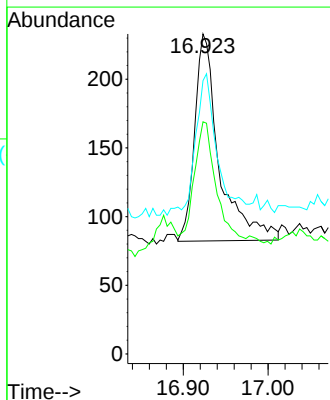
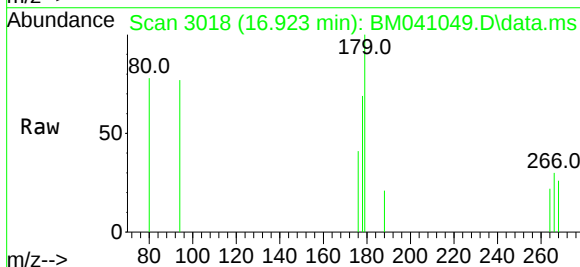
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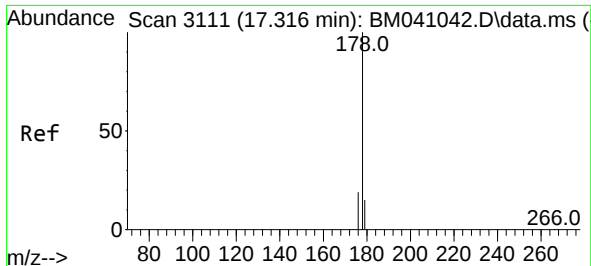
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#14
Pentachlorophenol
Concen: 0.067 ng/ul
RT: 16.923 min Scan# 3018
Delta R.T. -0.013 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

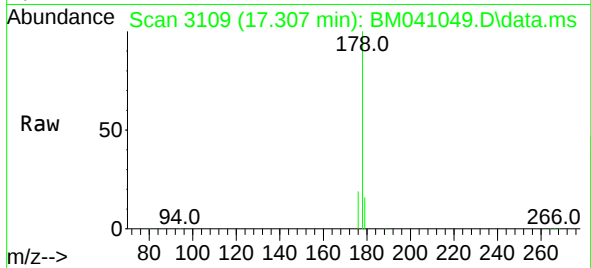
Tgt Ion:266 Resp: 305
Ion Ratio Lower Upper
266 100
264 61.0 50.7 76.1
268 61.6 52.8 79.2





#15
Phenanthrene
Concen: 6.045 ng/u1
RT: 17.307 min Scan# 3111
Delta R.T. -0.008 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

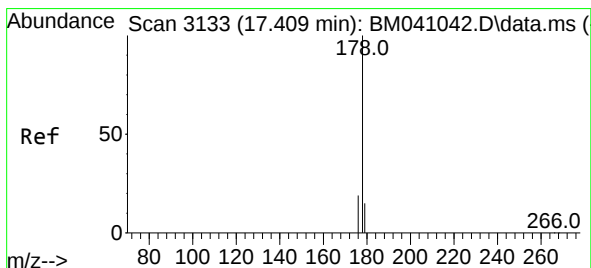
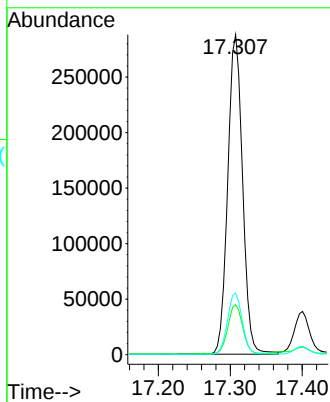
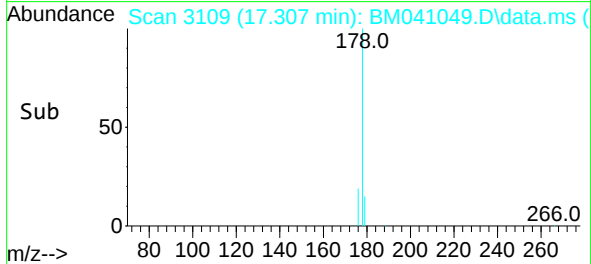
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:178 Resp: 410520
Ion Ratio Lower Upper
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179 15.6 13.0 19.6
176 19.3 16.2 24.4

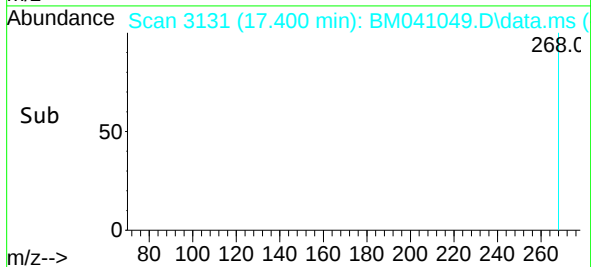
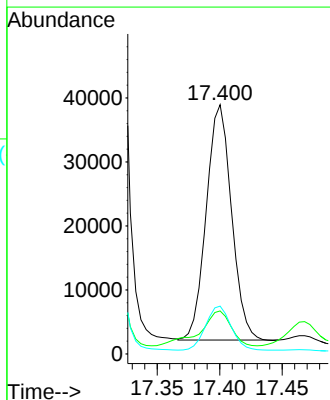
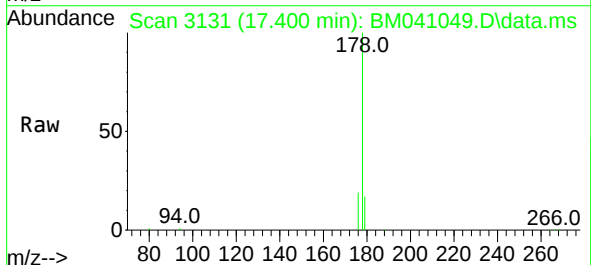
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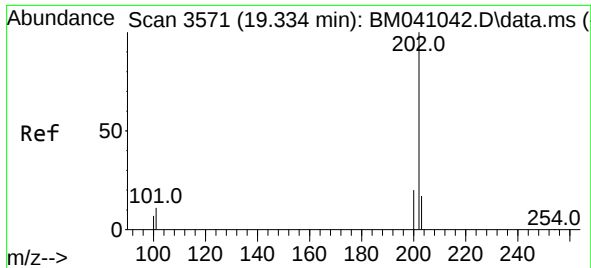
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#16
Anthracene
Concen: 0.977 ng/u1
RT: 17.400 min Scan# 3131
Delta R.T. -0.008 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

Tgt Ion:178 Resp: 51687
Ion Ratio Lower Upper
178 100
179 17.3 13.7 20.5
176 19.2 16.4 24.6





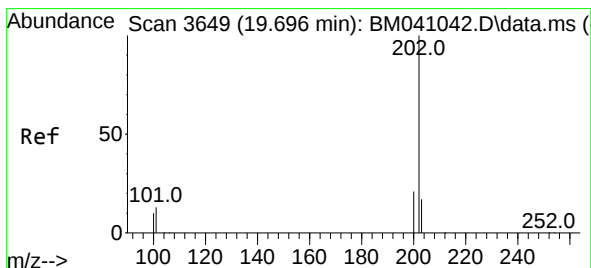
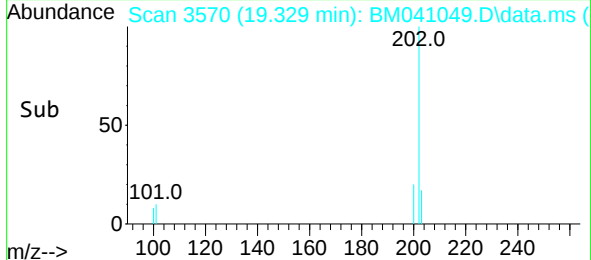
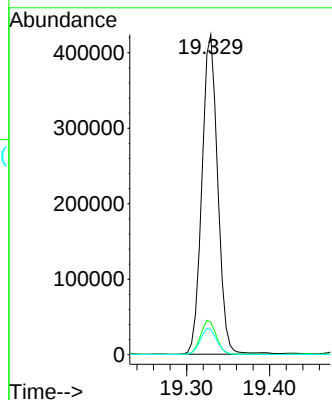
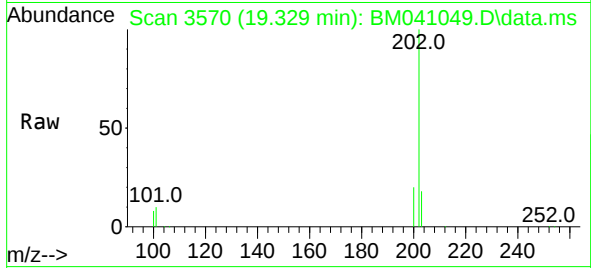
#19
Fluoranthene
Concen: 8.532 ng/u1
RT: 19.329 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

Instrument :
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A4738MSD

Tgt Ion:202 Resp: 56233
Ion Ratio Lower Upper
202 100
101 10.2 11.0 16.4
100 7.8 8.3 12.5

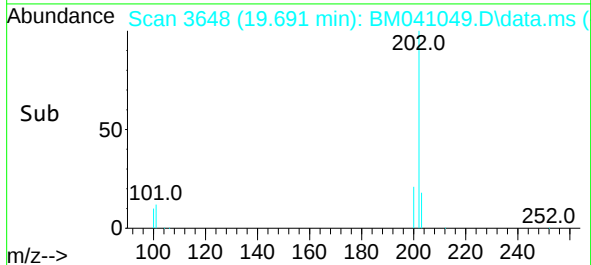
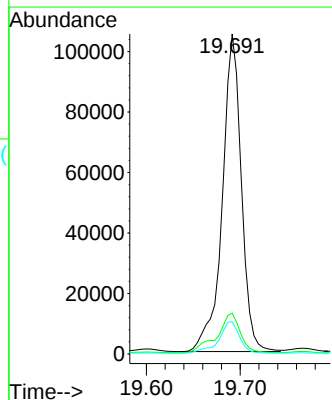
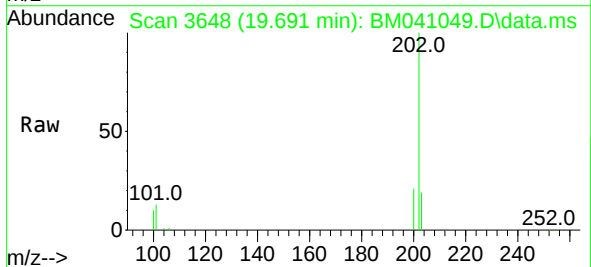
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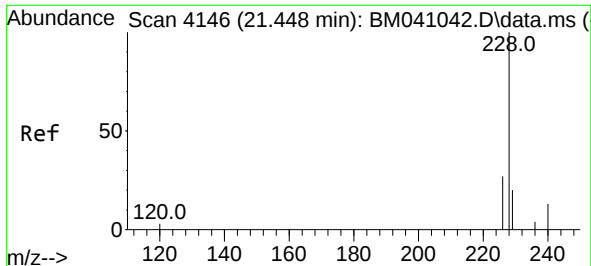
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#20
Pyrene
Concen: 2.205 ng/u1
RT: 19.691 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

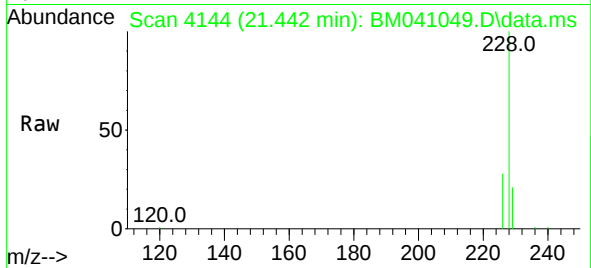
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Ion Ratio Lower Upper
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101 12.7 12.5 18.7
100 10.1 10.0 15.0





#21
Benzo(a)anthracene
Concen: 4.071 ng/u1
RT: 21.442 min Scan# 4146
Delta R.T. -0.006 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

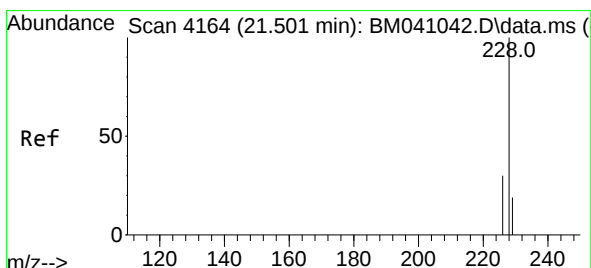
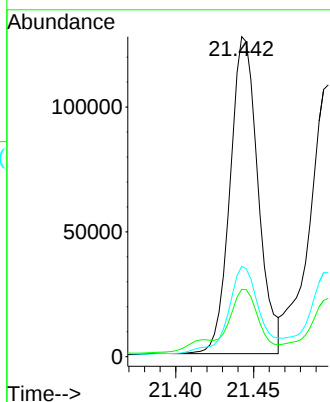
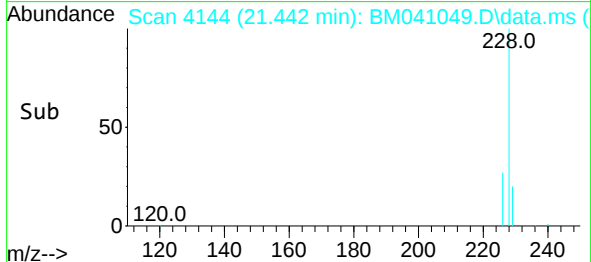
Instrument :
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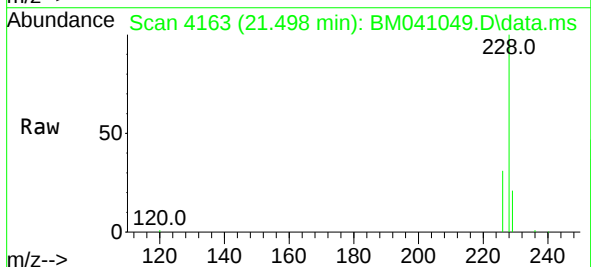
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Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.4
226 28.2 22.3 33.5

Manual Integrations
APPROVED

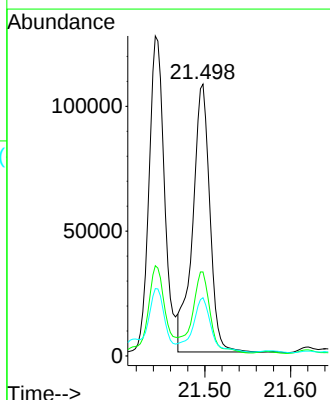
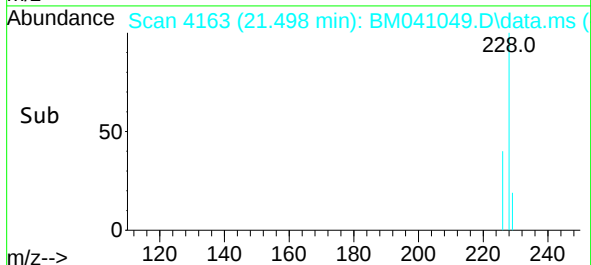
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

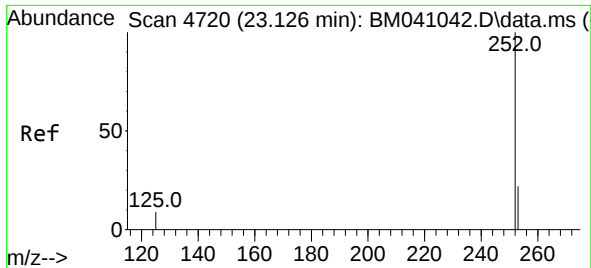


#22
Chrysene
Concen: 3.350 ng/u1
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29



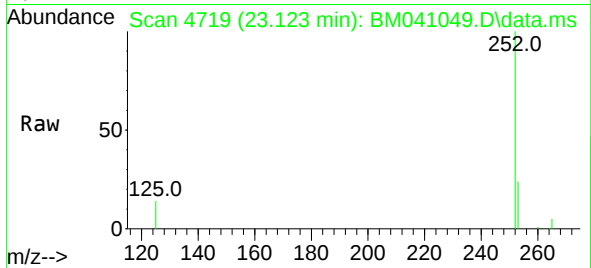
Tgt Ion:228 Resp: 148936
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 21.4 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 3.197 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. -0.003 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

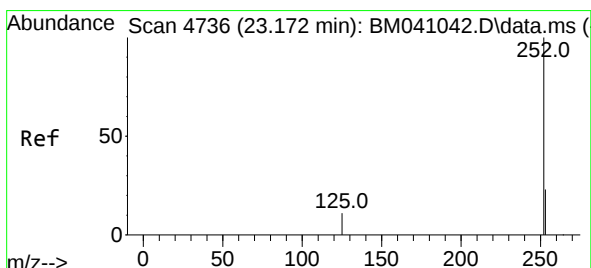
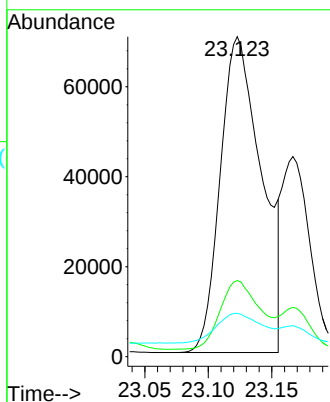
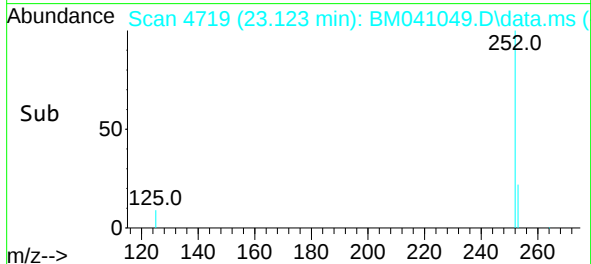
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:252 Resp: 158762
Ion Ratio Lower Upper
252 100
253 23.8 0.0 57.4
125 13.6 0.0 45.2

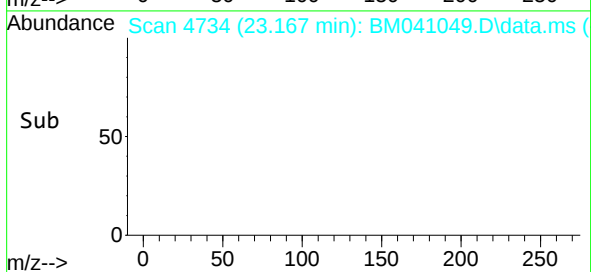
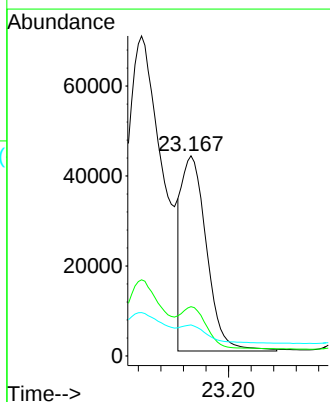
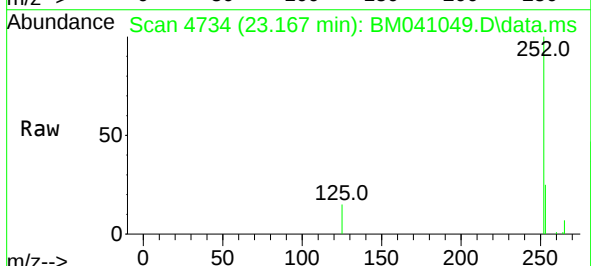
Manual Integrations
APPROVED

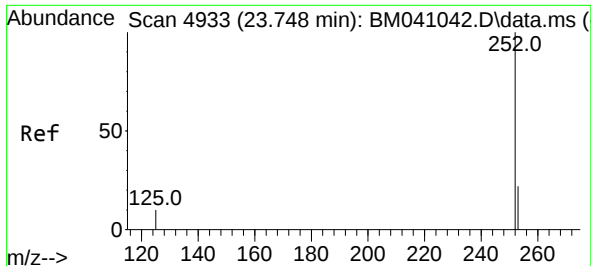
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#25
Benzo(k)fluoranthene
Concen: 1.419 ng/ul m
RT: 23.167 min Scan# 4734
Delta R.T. -0.006 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

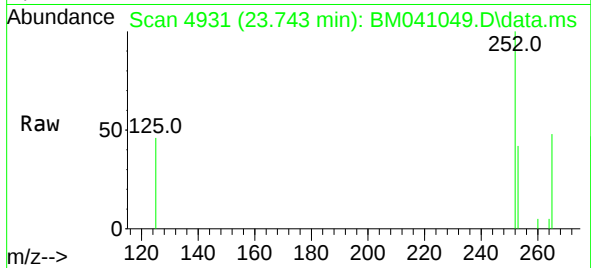
Tgt Ion:252 Resp: 66969
Ion Ratio Lower Upper
252 100
253 24.6 23.3 34.9
125 15.5 18.2 27.2#





#26
Benzo(a)pyrene
Concen: 0.305 ng/ul
RT: 23.743 min Scan# 4933
Delta R.T. -0.006 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

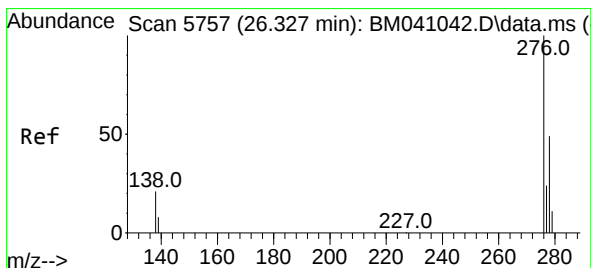
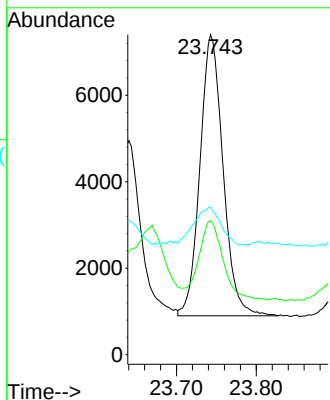
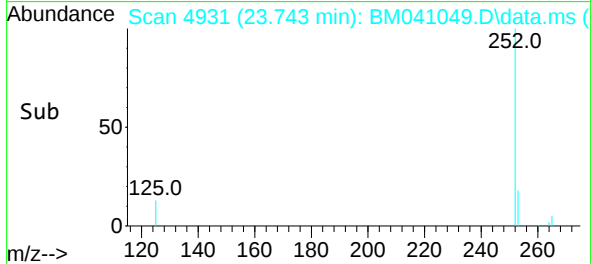
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:252 Resp: 13074
Ion Ratio Lower Upper
252 100
253 41.8 28.2 42.2
125 46.1 25.2 37.8

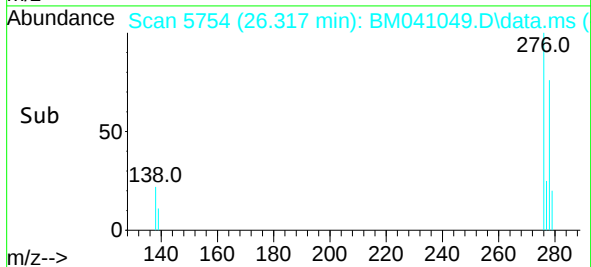
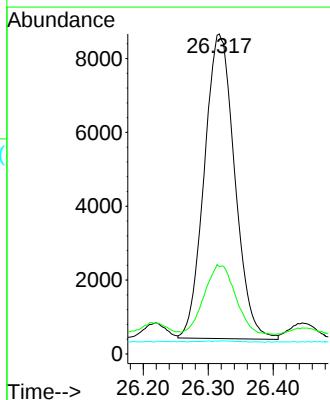
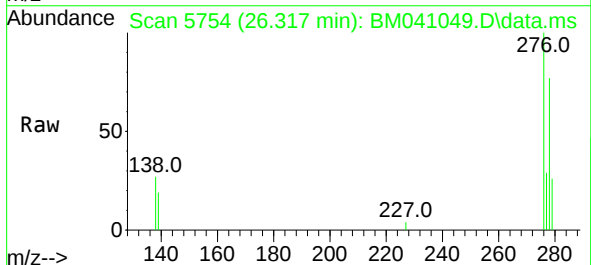
Manual Integrations
APPROVED

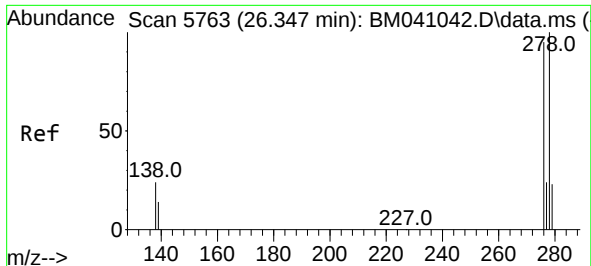
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.471 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.010 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

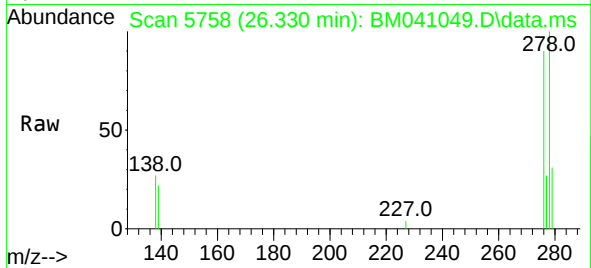
Tgt Ion:276 Resp: 26819
Ion Ratio Lower Upper
276 100
138 23.3 22.3 33.5
227 0.3 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.590 ng/ul
RT: 26.330 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

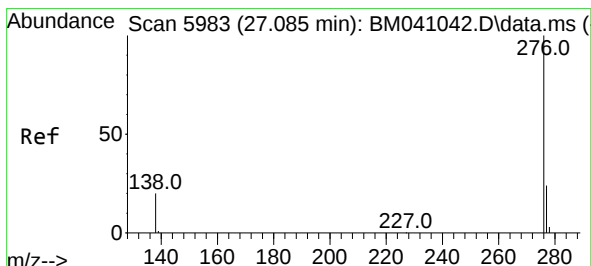
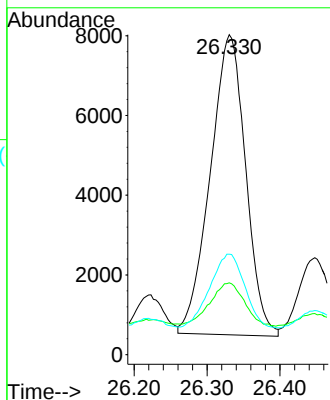
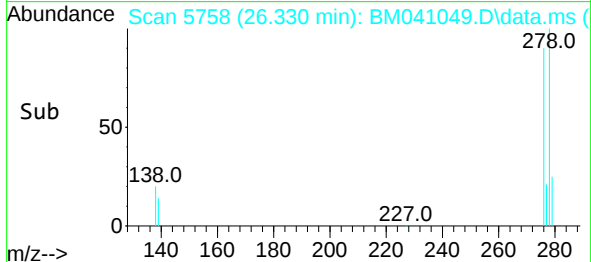
Instrument :
BNA_M
ClientSampleId :
A4738MSD



Tgt Ion:278 Resp: 2539
Ion Ratio Lower Upper
278 100
139 22.5 19.2 28.8
279 31.4 27.0 40.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#29
Benzo(g,h,i)perylene
Concen: 0.027 ng/ul
RT: 27.075 min Scan# 5980
Delta R.T. -0.010 min
Lab File: BM041049.D
Acq: 22 Jul 2023 11:29

Tgt Ion:276 Resp: 1433
Ion Ratio Lower Upper
276 100
138 80.8 22.6 34.0#
277 65.7 21.2 31.8#

