

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043015.D
 Acq On : 25 Nov 2023 15:03
 Operator : MA/JU
 Sample : 05336-04MSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKB9MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 27 02:43:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	807m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.612	136	2818	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.451	164	1731m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.213	188	3979	0.400	ng/ul	-0.02
17) Chrysene-d12	21.403	240	2484	0.400	ng/ul	#-0.02
23) Perylene-d12	23.761	264	2859	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	308	0.249	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152	1542	0.409	ng/ul	-0.05
18) Fluoranthene-d10	19.239	212	3655	0.404	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.202	88	655	0.493	ng/ul	96
5) Naphthalene	10.656	128	25036	3.269	ng/ul#	83
7) 2-Methylnaphthalene	12.278	142	2516	0.557	ng/ul	98
8) 1-Methylnaphthalene	12.493	142	7161	1.422	ng/ul	99
10) Acenaphthylene	14.183	152	7869	0.891	ng/ul	93
11) Acenaphthene	14.516	153	276369	41.290	ng/ul	95
12) Fluorene	15.506	166	81578	11.869	ng/ul#	97
14) Pentachlorophenol	16.858	266	789	0.733	ng/ul	98
15) Phenanthrene	17.255	178	6107	0.538	ng/ul	96
16) Anthracene	17.348	178	5417m	0.504	ng/ul	
19) Fluoranthene	19.272	202	9015	0.640	ng/ul#	94
20) Pyrene	19.639	202	7288	0.487	ng/ul	96
21) Benzo(a)anthracene	21.388	228	4285	0.532	ng/ul	97
22) Chrysene	21.441	228	5332	0.355	ng/ul	99
24) Benzo(b)fluoranthene	23.033	252	4421	0.458	ng/ul	94
25) Benzo(k)fluoranthene	23.083	252	5671	0.427	ng/ul	97
26) Benzo(a)pyrene	23.656	252	4415	0.419	ng/ul	89
27) Indeno(1,2,3-cd)pyrene	26.218	276	5560	0.390	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.232	278	4389	0.398	ng/ul	89
29) Benzo(g,h,i)perylene	26.986	276	5040	0.364	ng/ul	97

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

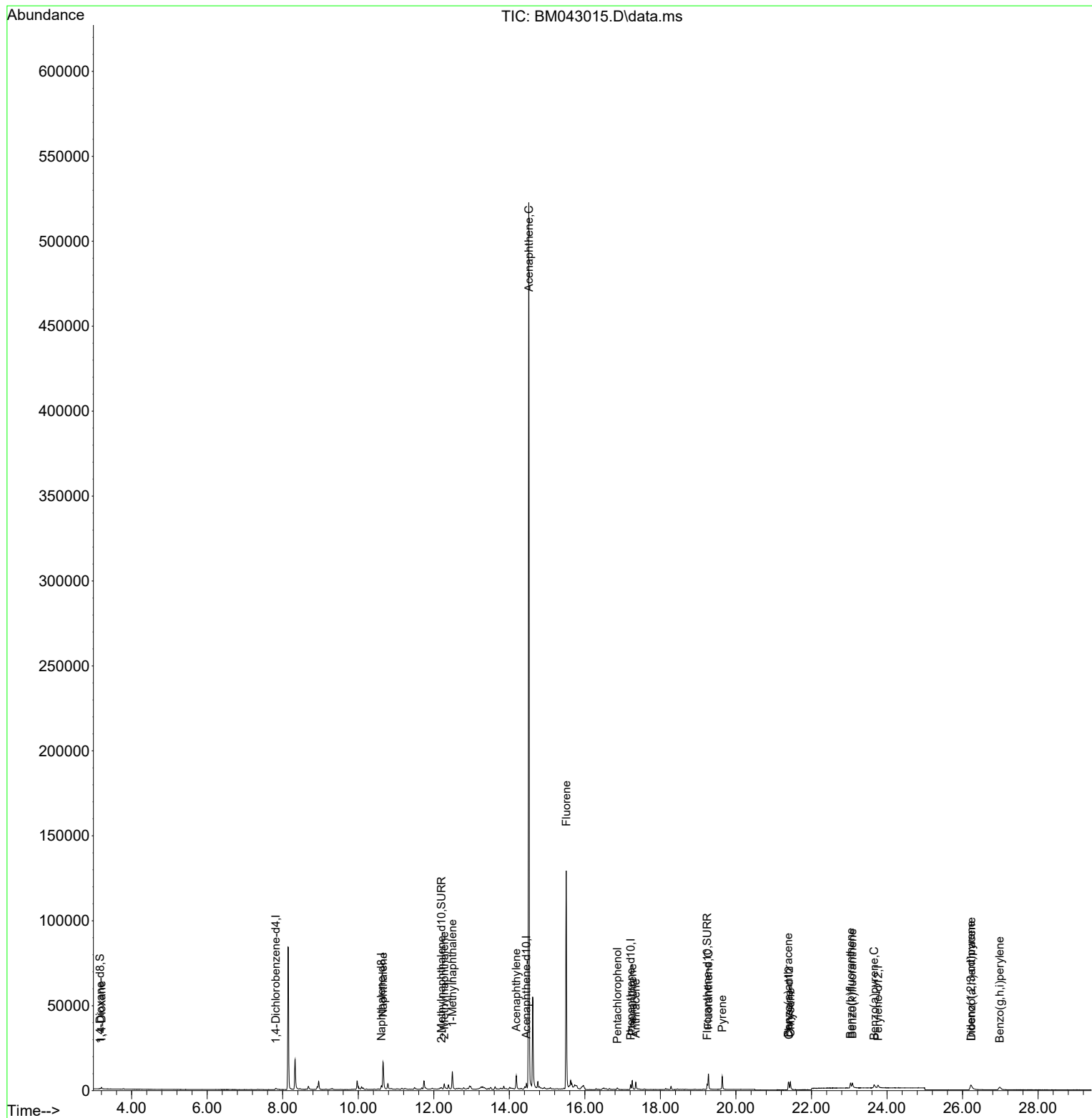
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043015.D
Acq On : 25 Nov 2023 15:03
Operator : MA/JU
Sample : 05336-04MSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

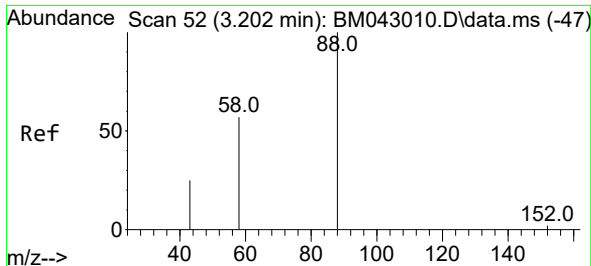
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD

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Supervised By :mohammad ahmed 11/28/2023

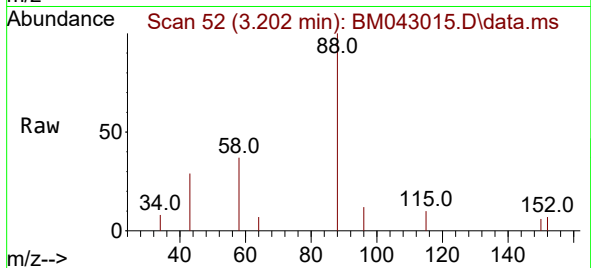
Quant Time: Nov 27 02:43:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.493 ng/ul
RT: 3.202 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

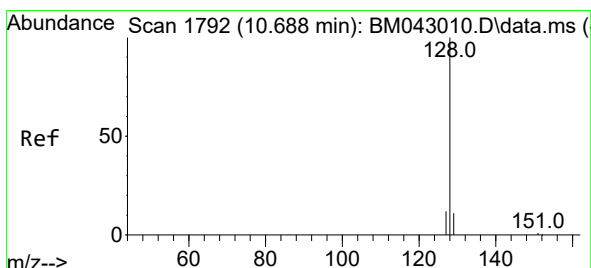
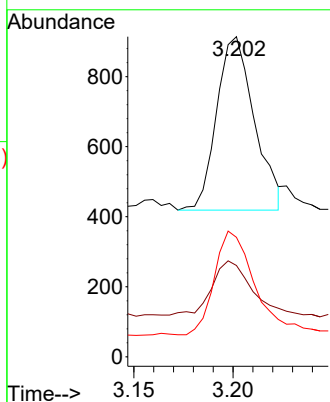
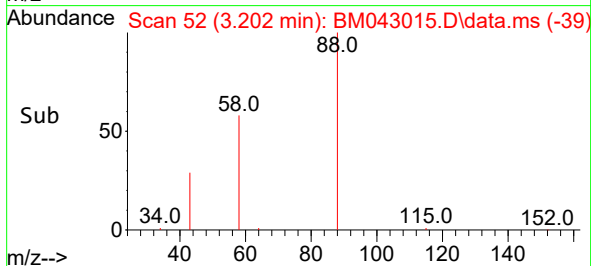
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



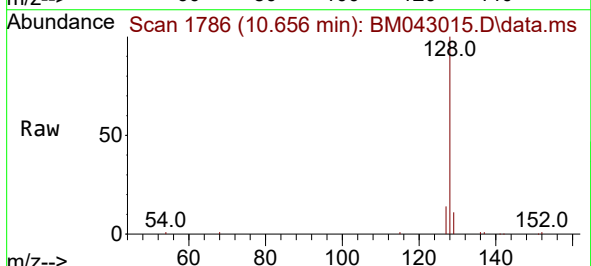
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 28.6 22.8 34.2
58 37.3 26.8 40.2

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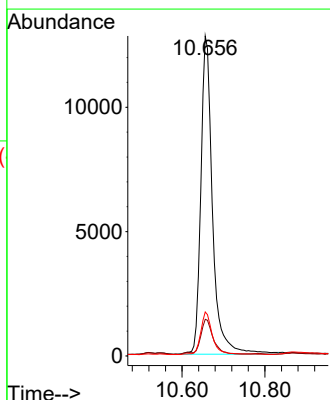
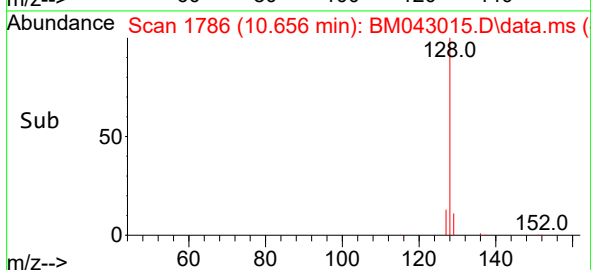
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

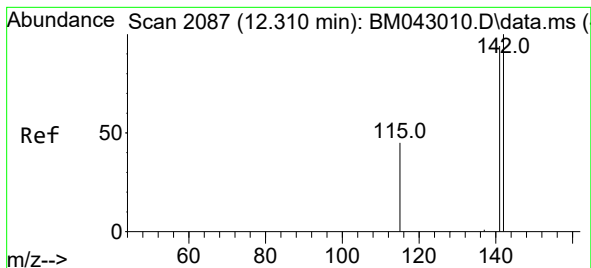


#5
Naphthalene
Concen: 3.269 ng/ul
RT: 10.656 min Scan# 1786
Delta R.T. -0.043 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03



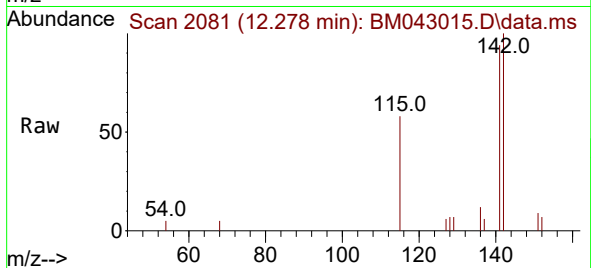
Tgt Ion:128 Resp: 25036
Ion Ratio Lower Upper
128 100
129 11.5 16.0 24.0#
127 13.7 16.5 24.7#





#7
2-Methylnaphthalene
Concen: 0.557 ng/ul
RT: 12.278 min Scan# 2087
Delta R.T. -0.054 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

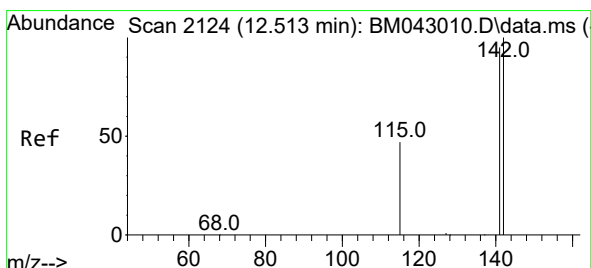
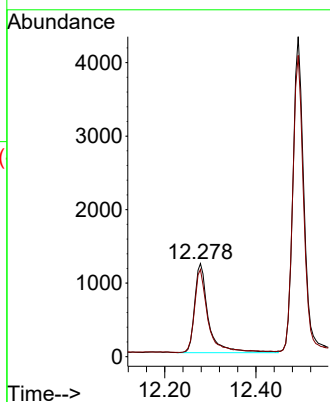
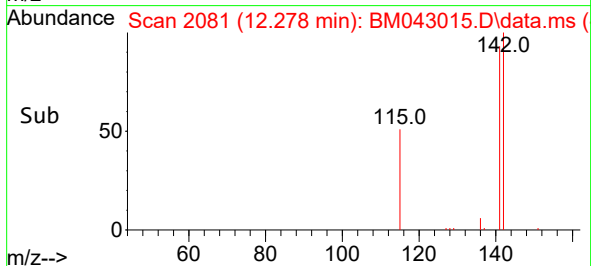
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



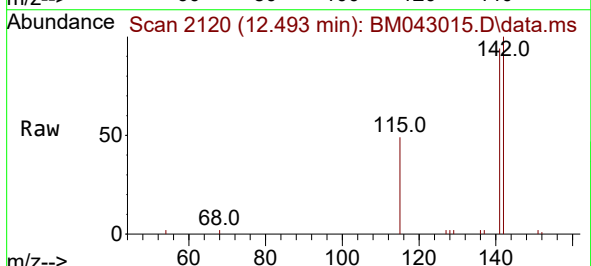
Tgt Ion:142 Resp: 2510
Ion Ratio Lower Upper
142 100
141 93.0 76.1 114.1

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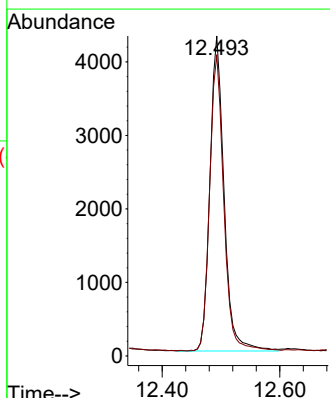
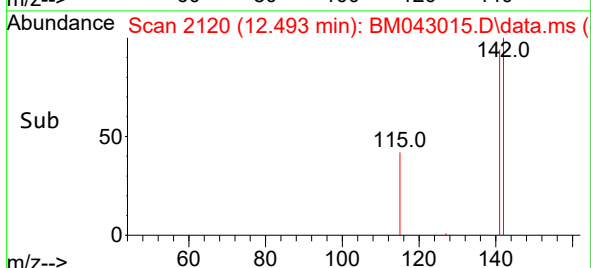
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

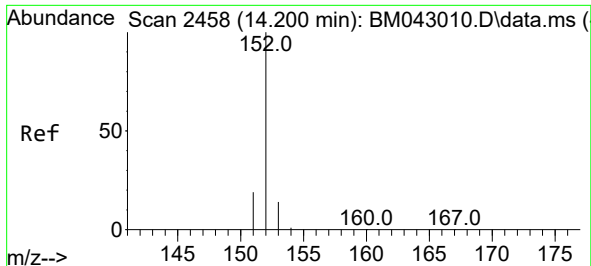


#8
1-Methylnaphthalene
Concen: 1.422 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. -0.026 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03



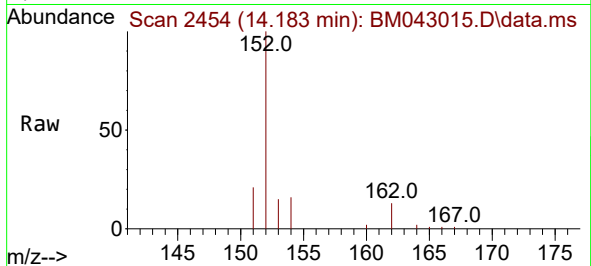
Tgt Ion:142 Resp: 7161
Ion Ratio Lower Upper
142 100
141 93.7 73.8 110.8





#10
Acenaphthylene
Concen: 0.891 ng/ul
RT: 14.183 min Scan# 2458
Delta R.T. -0.022 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

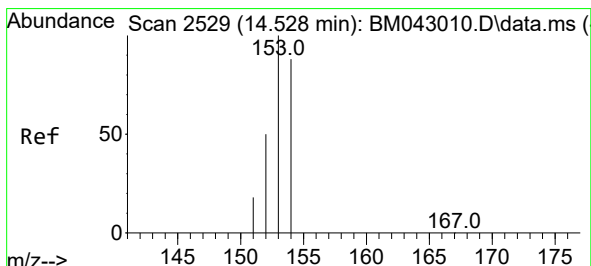
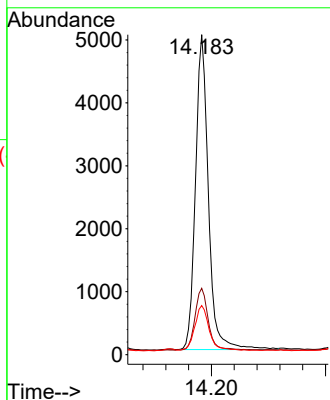
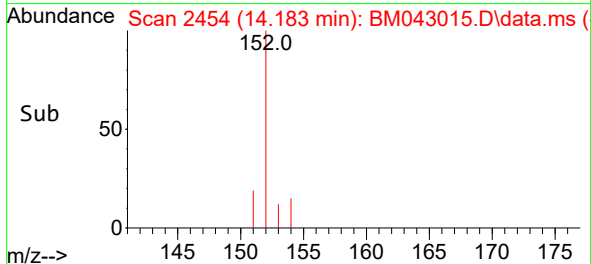
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



Tgt Ion:152 Resp: 7869
Ion Ratio Lower Upper
152 100
151 20.7 19.4 29.0
153 15.3 14.6 21.8

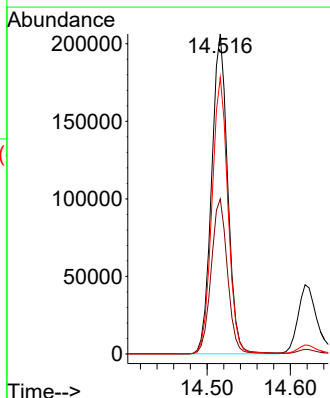
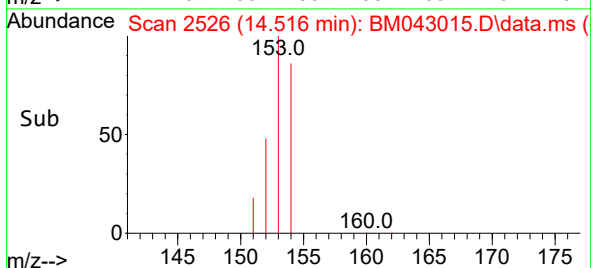
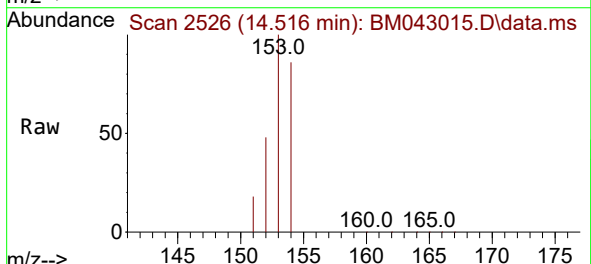
Manual Integrations
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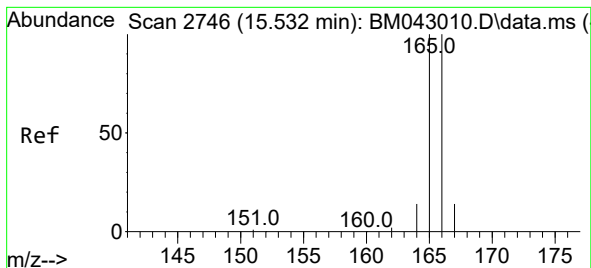
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#11
Acenaphthene
Concen: 41.290 ng/ul
RT: 14.516 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

Tgt Ion:153 Resp: 276369
Ion Ratio Lower Upper
153 100
152 48.4 43.9 65.9
154 86.4 70.6 105.8





#12

Fluorene

Concen: 11.869 ng/ul

RT: 15.506 min Scan# 21

Delta R.T. -0.031 min

Lab File: BM043015.D

Acq: 25 Nov 2023 15:03

Instrument :

BNA_M

ClientSampleId :

DCKB9MSD

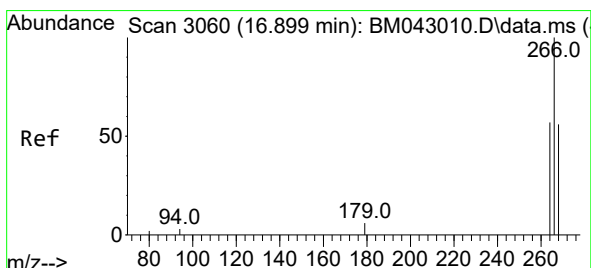
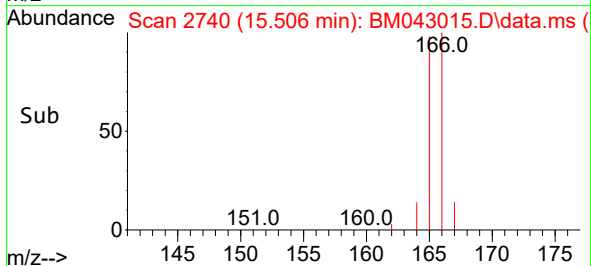
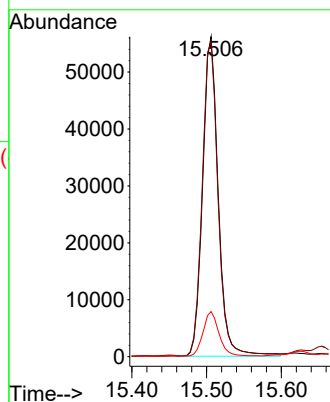
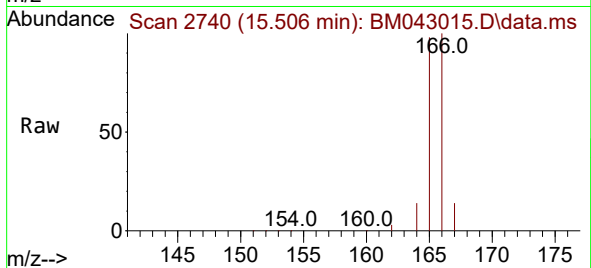
Tgt Ion:166 Resp: 81578
 Ion Ratio Lower Upper
 166 100
 165 98.4 79.9 119.9
 167 14.1 14.2 21.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#14

Pentachlorophenol

Concen: 0.733 ng/ul

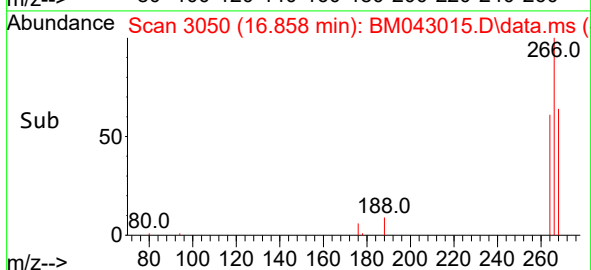
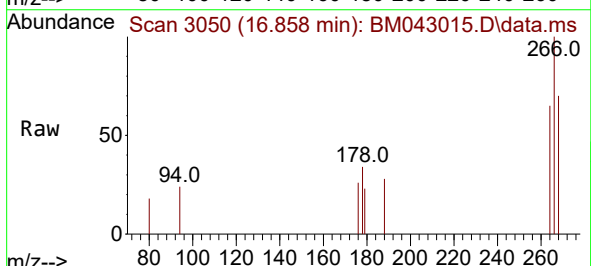
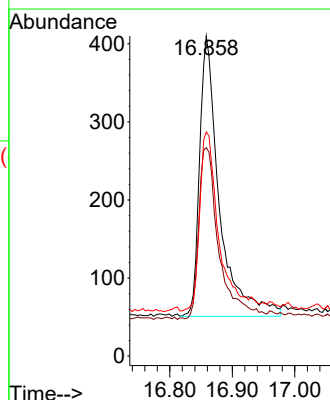
RT: 16.858 min Scan# 3050

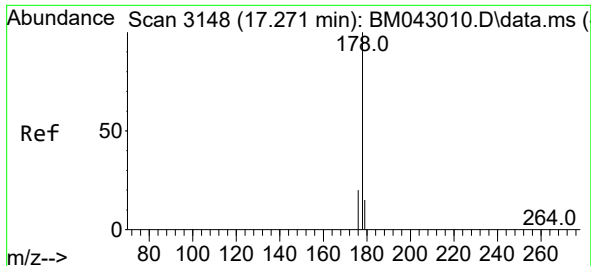
Delta R.T. -0.053 min

Lab File: BM043015.D

Acq: 25 Nov 2023 15:03

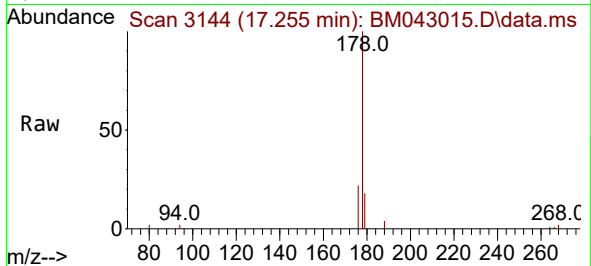
Tgt Ion:266 Resp: 789
 Ion Ratio Lower Upper
 266 100
 264 63.2 48.8 73.2
 268 64.1 51.8 77.6





#15
Phenanthrene
Concen: 0.538 ng/ul
RT: 17.255 min Scan# 3144
Delta R.T. -0.024 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

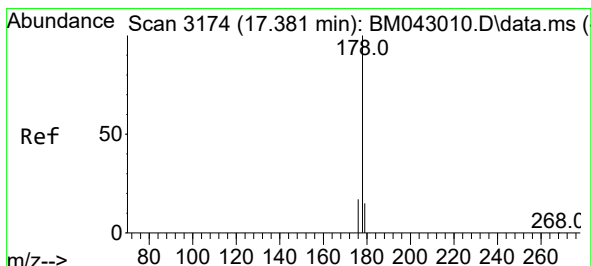
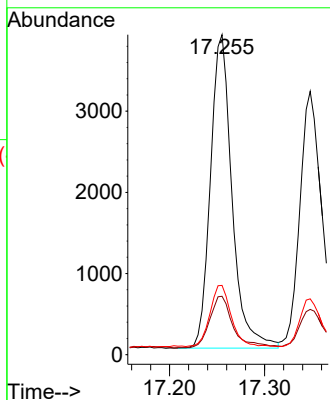
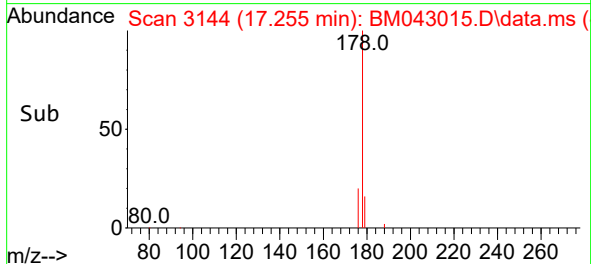
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



Tgt Ion:178 Resp: 610
Ion Ratio Lower Upper
178 100
179 18.2 15.7 23.5
176 21.6 18.9 28.3

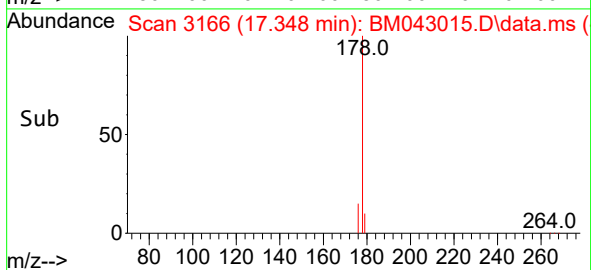
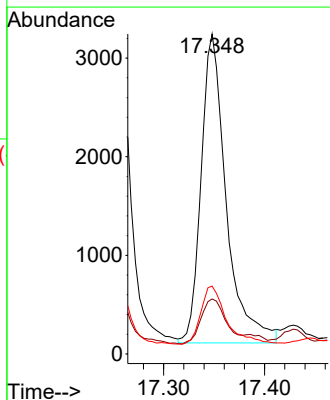
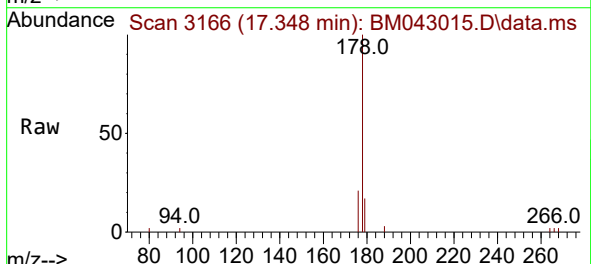
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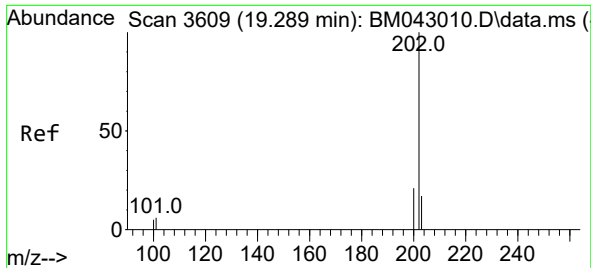
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#16
Anthracene
Concen: 0.504 ng/ul m
RT: 17.348 min Scan# 3166
Delta R.T. -0.045 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

Tgt Ion:178 Resp: 5417
Ion Ratio Lower Upper
178 100
179 17.2 17.3 25.9#
176 21.2 20.5 30.7





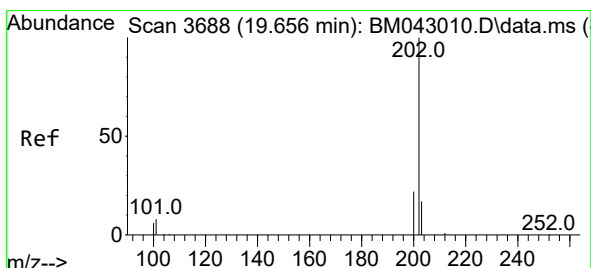
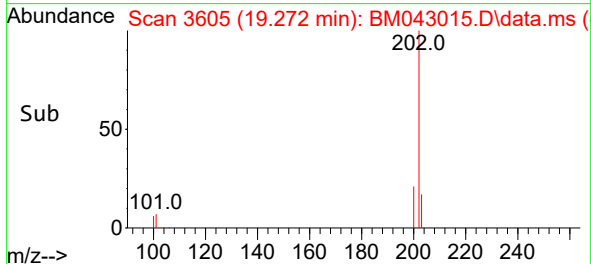
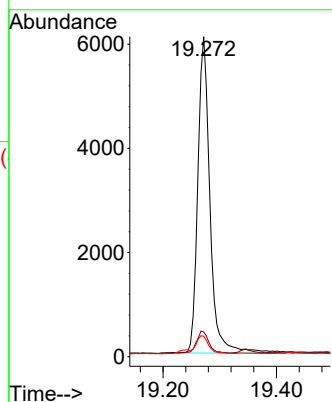
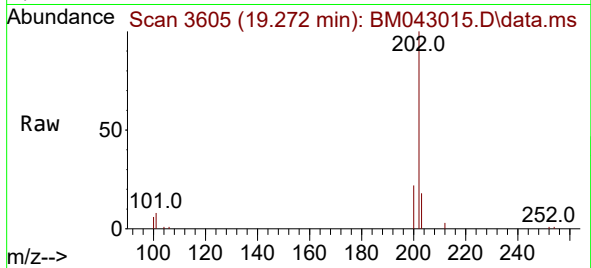
#19
Fluoranthene
Concen: 0.640 ng/ul
RT: 19.272 min Scan# 3605
Delta R.T. -0.022 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

Instrument :
BNA_M
ClientSampleId :
DCKB9MSD

Tgt Ion:202 Resp: 901
Ion Ratio Lower Upper
202 100
101 7.7 7.8 11.8
100 6.4 7.1 10.7

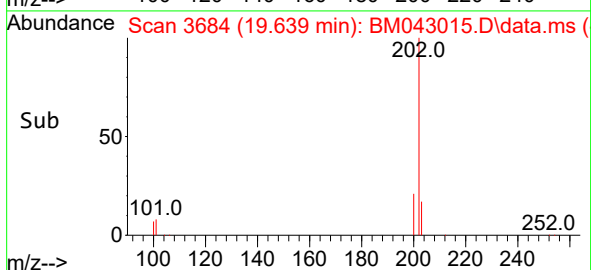
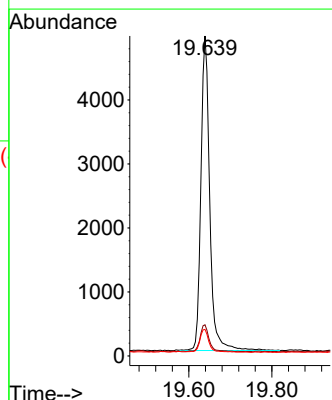
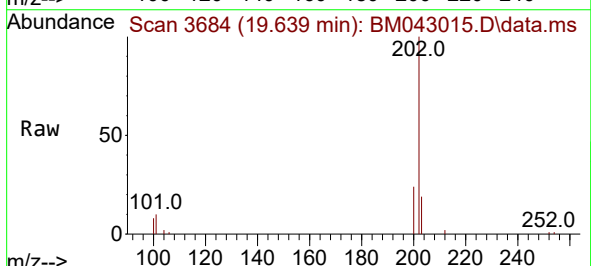
Manual Integrations
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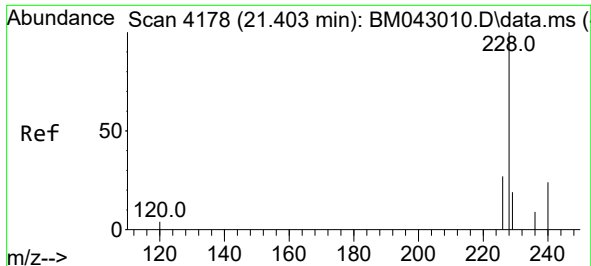
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#20
Pyrene
Concen: 0.487 ng/ul
RT: 19.639 min Scan# 3684
Delta R.T. -0.022 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

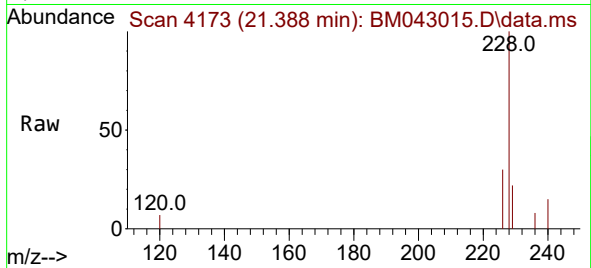
Tgt Ion:202 Resp: 7288
Ion Ratio Lower Upper
202 100
101 9.8 8.7 13.1
100 8.3 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.532 ng/ul
RT: 21.388 min Scan# 4173
Delta R.T. -0.024 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

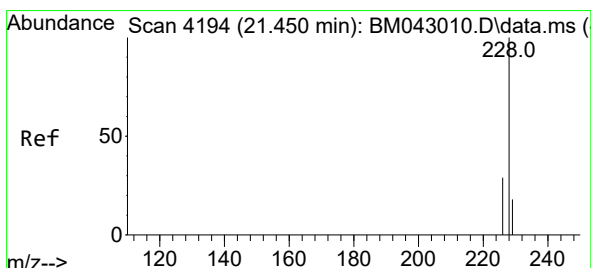
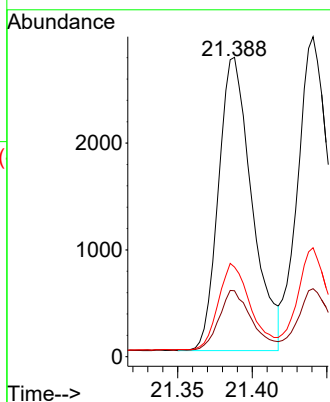
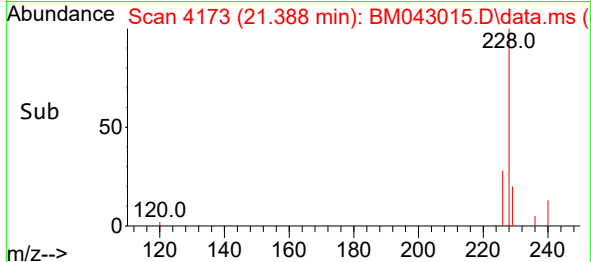
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



Tgt Ion:228 Resp: 428
Ion Ratio Lower Upper
228 100
229 22.0 19.4 29.0
226 29.9 24.9 37.3

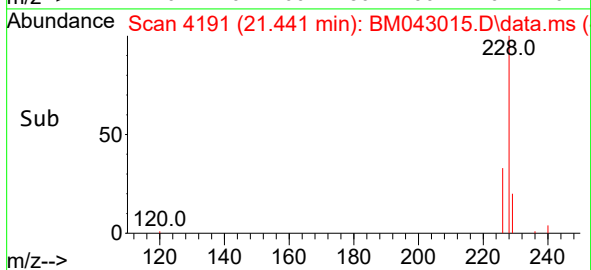
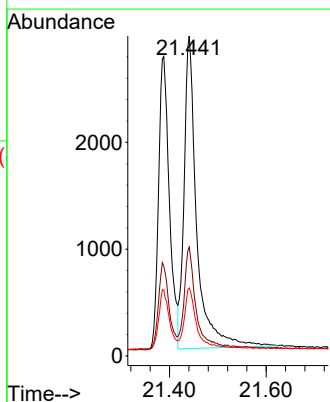
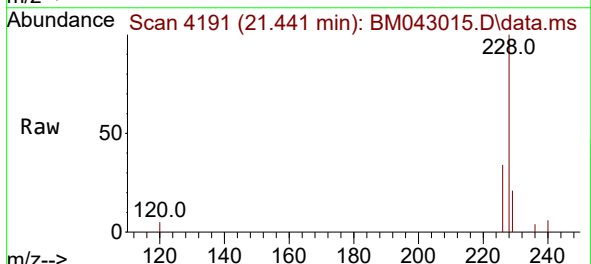
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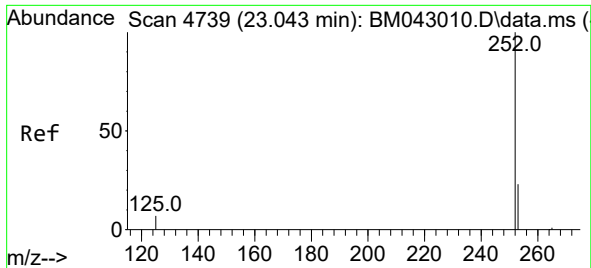
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#22
Chrysene
Concen: 0.355 ng/ul
RT: 21.441 min Scan# 4191
Delta R.T. -0.018 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

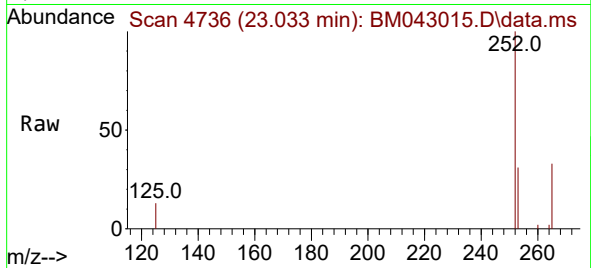
Tgt Ion:228 Resp: 5332
Ion Ratio Lower Upper
228 100
226 34.1 27.2 40.8
229 21.3 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 0.458 ng/ul
RT: 23.033 min Scan# 4736
Delta R.T. -0.018 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

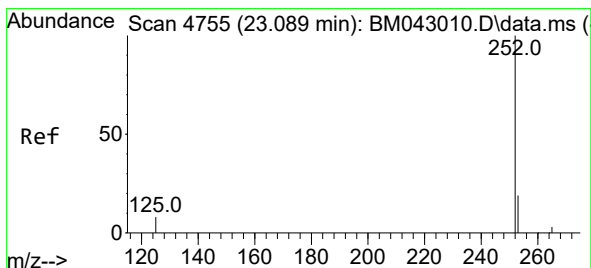
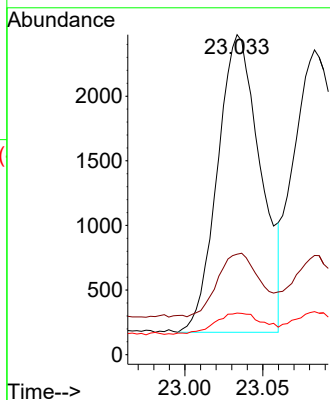
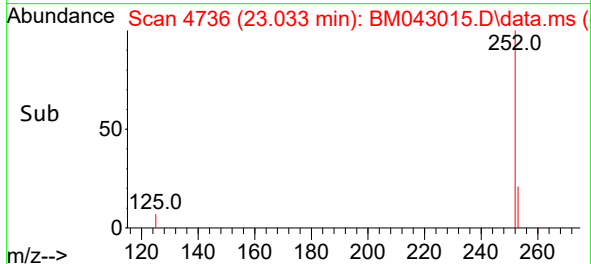
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



Tgt Ion:252 Resp: 442
Ion Ratio Lower Upper
252 100
253 31.4 0.0 71.8
125 13.0 0.0 29.0

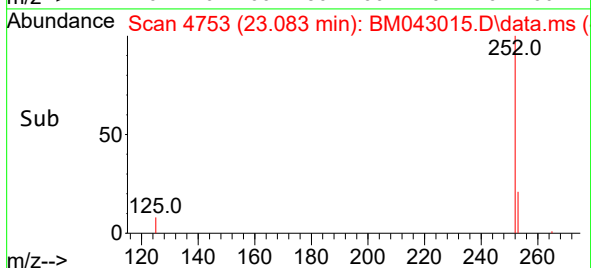
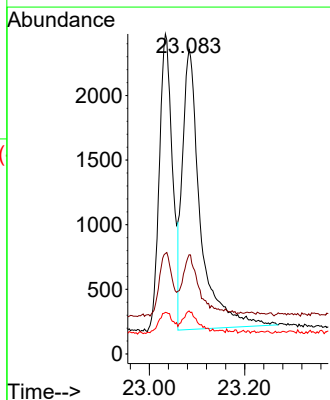
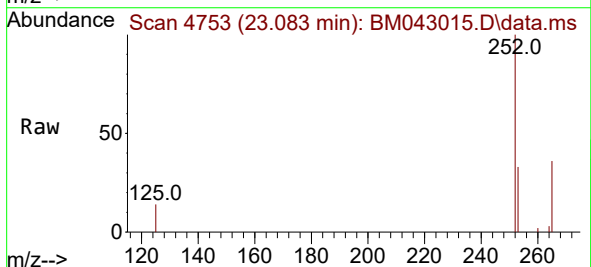
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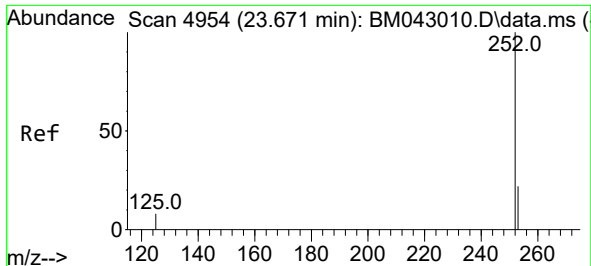
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#25
Benzo(k)fluoranthene
Concen: 0.427 ng/ul
RT: 23.083 min Scan# 4753
Delta R.T. -0.015 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

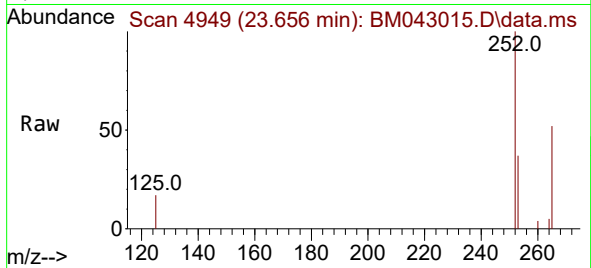
Tgt Ion:252 Resp: 5671
Ion Ratio Lower Upper
252 100
253 32.6 28.2 42.2
125 14.1 11.0 16.6





#26
Benzo(a)pyrene
Concen: 0.419 ng/ul
RT: 23.656 min Scan# 4949
Delta R.T. -0.030 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

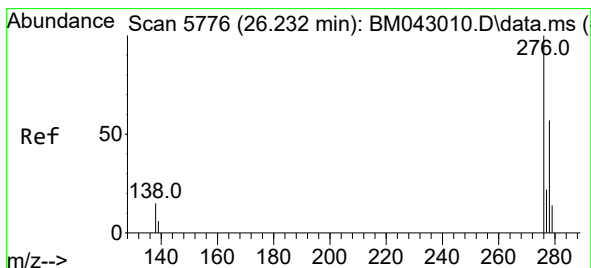
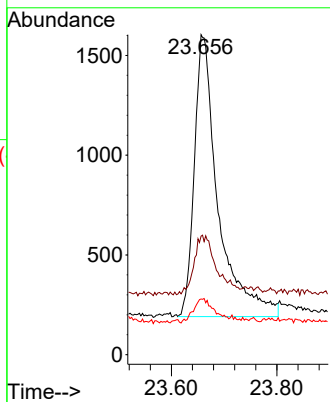
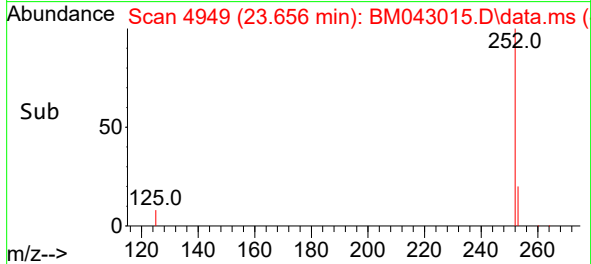
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



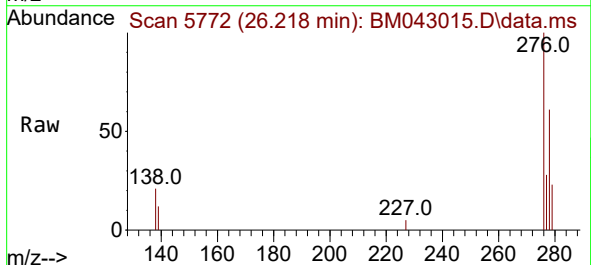
Tgt Ion:252 Resp: 4415
Ion Ratio Lower Upper
252 100
253 37.0 36.6 55.0
125 17.4 16.2 24.4

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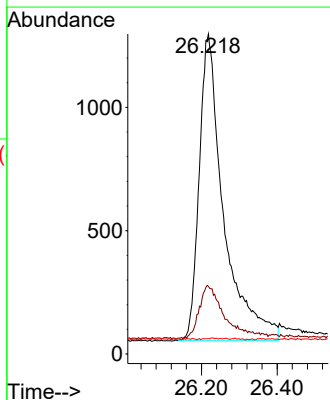
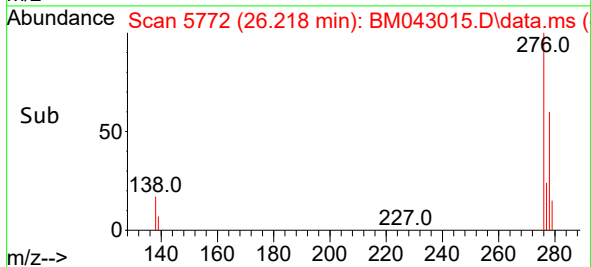
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

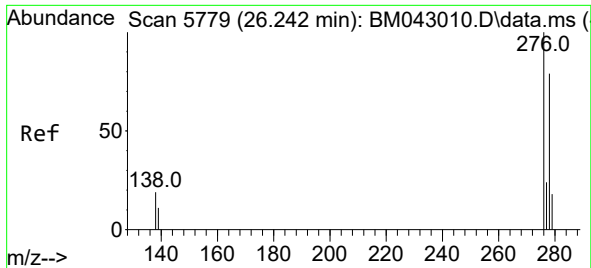


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng/ul
RT: 26.218 min Scan# 5772
Delta R.T. -0.020 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03



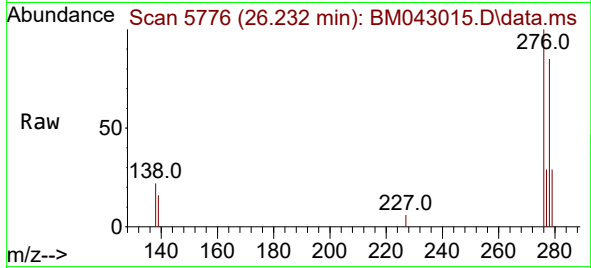
Tgt Ion:276 Resp: 5560
Ion Ratio Lower Upper
276 100
138 18.3 0.0 0.0#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.398 ng/ul
RT: 26.232 min Scan# 5779
Delta R.T. -0.044 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

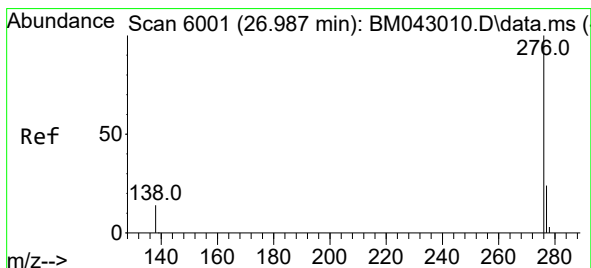
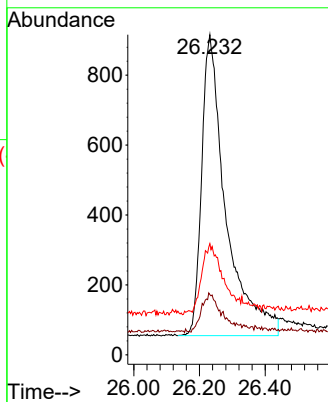
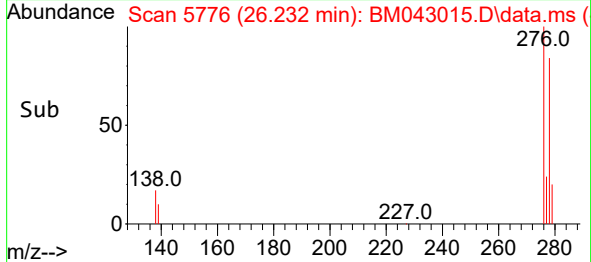
Instrument :
BNA_M
ClientSampleId :
DCKB9MSD



Tgt Ion:278 Resp: 4389
Ion Ratio Lower Upper
278 100
139 18.8 18.1 27.1
279 34.7 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#29
Benzo(g,h,i)perylene
Concen: 0.364 ng/ul
RT: 26.986 min Scan# 6001
Delta R.T. -0.024 min
Lab File: BM043015.D
Acq: 25 Nov 2023 15:03

Tgt Ion:276 Resp: 5040
Ion Ratio Lower Upper
276 100
138 20.8 17.8 26.8
277 28.7 23.8 35.8

