

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049132.D
 Acq On : 21 Dec 2024 10:50
 Operator : RC/JU
 Sample : P5265-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 22 23:07:24 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 18 15:33:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.556	152	9470	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.315	136	29513	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.192	164	16390	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.943	188	35661	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	29476	0.400	ng/ul	0.00
23) Perylene-d12	23.300	264	29726m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	41126	3.766	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152	7382	0.186	ng/ul	0.00
18) Fluoranthene-d10	18.974	212	10238	0.122	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.365	128	2734	0.037	ng/ul#	85
7) 2-Methylnaphthalene	11.992	142	2048	0.044	ng/ul	97
8) 1-Methylnaphthalene	12.212	142	1432	0.030	ng/ul	97
10) Acenaphthylene	13.910	152	1992	0.029	ng/ul#	83
11) Acenaphthene	14.257	153	1688	0.034	ng/ul	97
12) Fluorene	15.247	166	1673	0.030	ng/ul#	92
15) Phenanthrene	16.981	178	37099	0.398	ng/ul	99
16) Anthracene	17.074	178	7654	0.090	ng/ul#	95
19) Fluoranthene	19.007	202	94969	0.891	ng/ul	100
20) Pyrene	19.369	202	81750	0.719	ng/ul	99
21) Benzo(a)anthracene	21.125	228	41099	0.401	ng/ul	98
22) Chrysene	21.178	228	43046	0.391	ng/ul	97
24) Benzo(b)fluoranthene	22.659	252	60608m	0.638	ng/ul	
25) Benzo(k)fluoranthene	22.700	252	19034m	0.183	ng/ul	
26) Benzo(a)pyrene	23.206	252	38025	0.418	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.437	276	30238	0.235	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.450	278	6943	0.069	ng/ul#	73
29) Benzo(g,h,i)perylene	26.087	276	32407	0.313	ng/ul	99

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

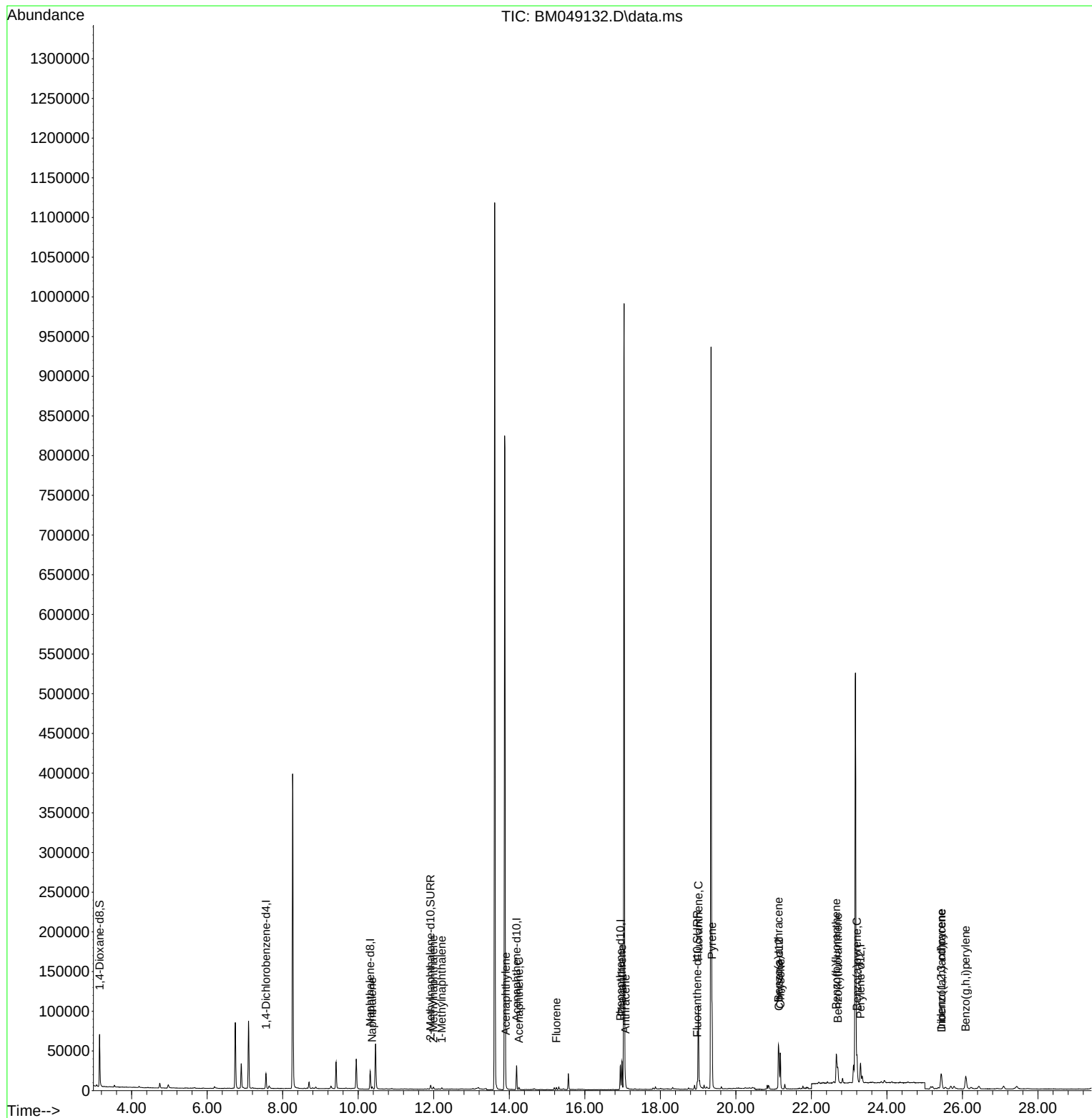
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049132.D
Acq On : 21 Dec 2024 10:50
Operator : RC/JU
Sample : P5265-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

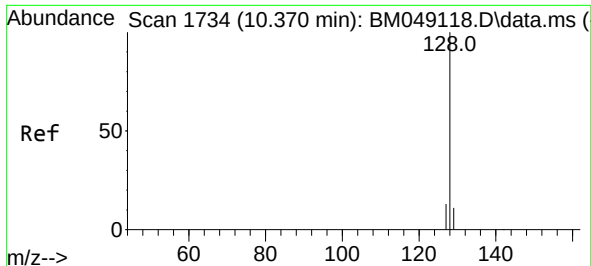
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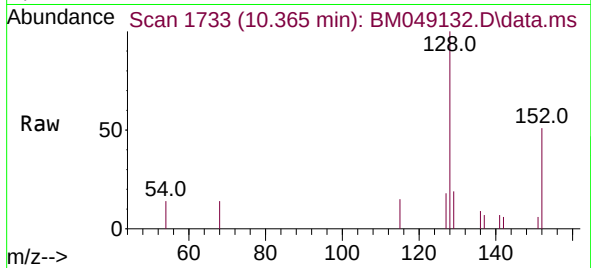
Quant Time: Dec 22 23:07:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.365 min Scan# 1734
Delta R.T. -0.015 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

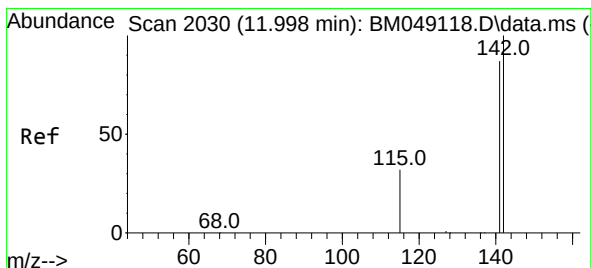
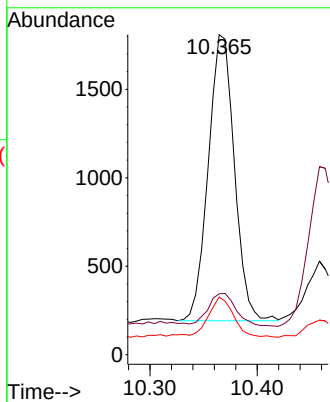
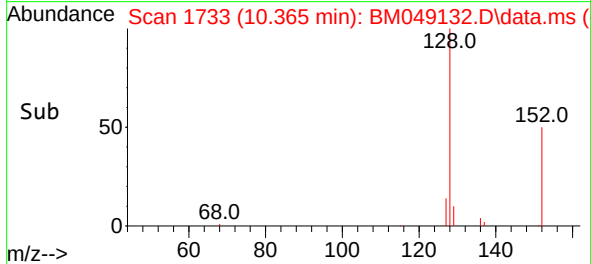
Instrument :
BNA_M
ClientSampleId :
E28Z0



Tgt Ion:128 Resp: 2734
Ion Ratio Lower Upper
128 100
129 19.0 9.7 14.5
127 18.0 10.6 16.0

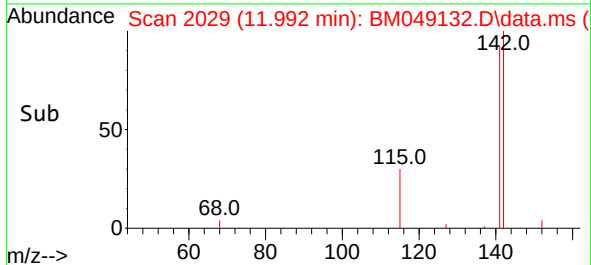
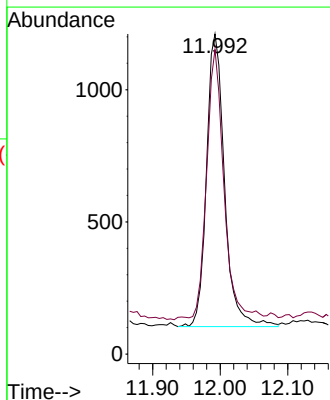
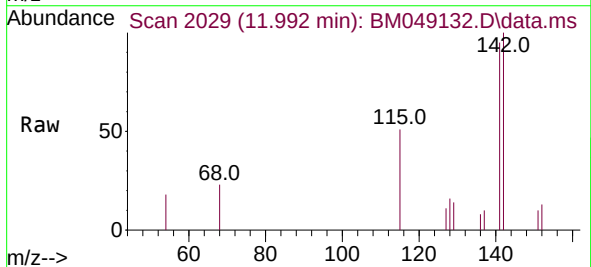
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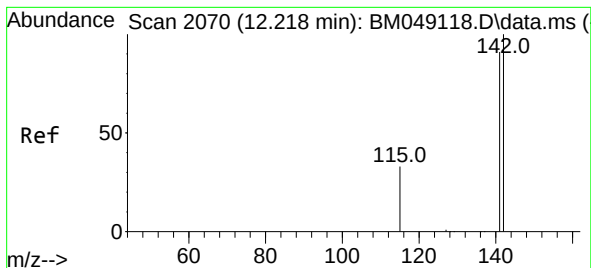
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#7
2-Methylnaphthalene
Concen: 0.044 ng/ul
RT: 11.992 min Scan# 2029
Delta R.T. -0.010 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

Tgt Ion:142 Resp: 2048
Ion Ratio Lower Upper
142 100
141 86.7 71.7 107.5





#8

1-Methylnaphthalene

Concen: 0.030 ng/ul

RT: 12.212 min Scan# 2069

Delta R.T. -0.010 min

Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

Instrument :

BNA_M

ClientSampleId :

E28Z0

Tgt Ion:142 Resp: 143

Ion Ratio Lower Upper

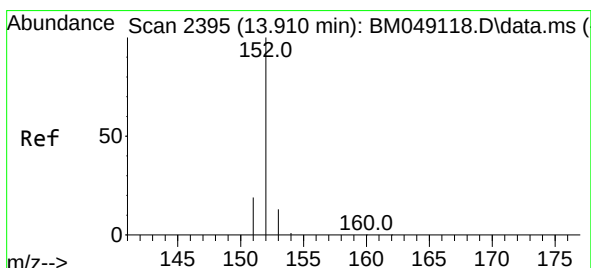
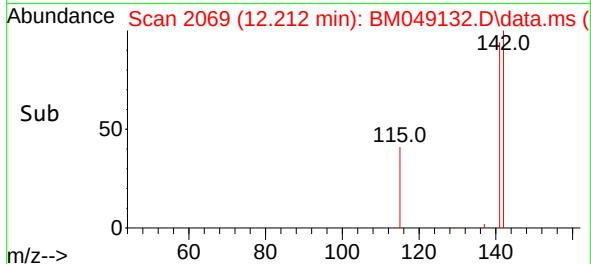
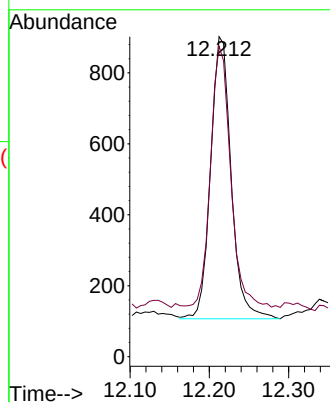
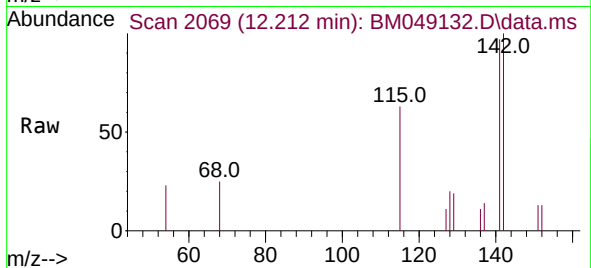
142 100

141 93.6 72.7 109.1

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#10

Acenaphthylene

Concen: 0.029 ng/ul

RT: 13.910 min Scan# 2395

Delta R.T. -0.008 min

Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

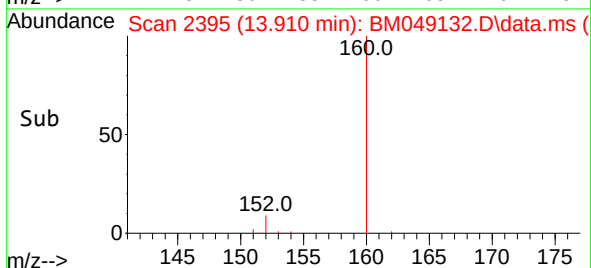
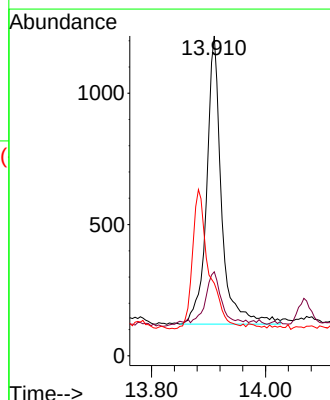
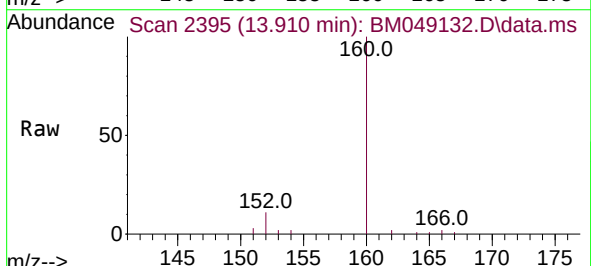
Tgt Ion:152 Resp: 1992

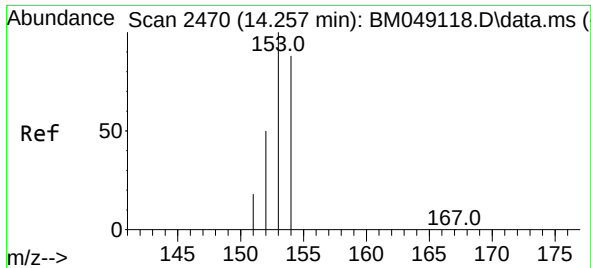
Ion Ratio Lower Upper

152 100

151 26.3 16.0 24.0#

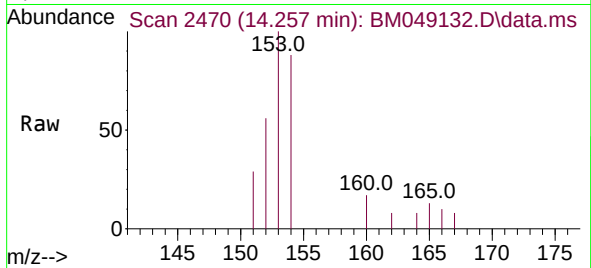
153 22.7 11.0 16.6#





#11
Acenaphthene
Concen: 0.034 ng/u1
RT: 14.257 min Scan# 2470
Delta R.T. -0.008 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

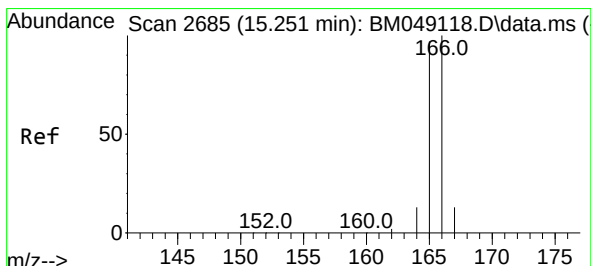
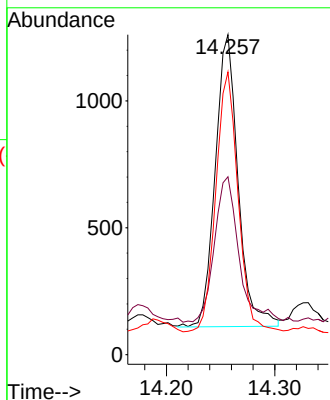
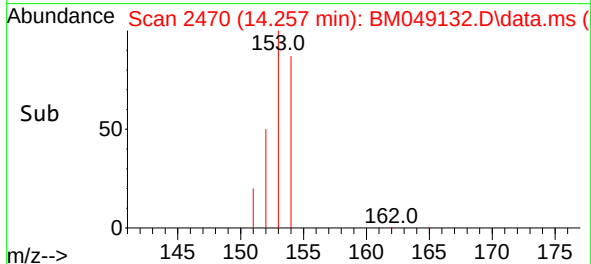
Instrument :
BNA_M
ClientSampleId :
E28Z0



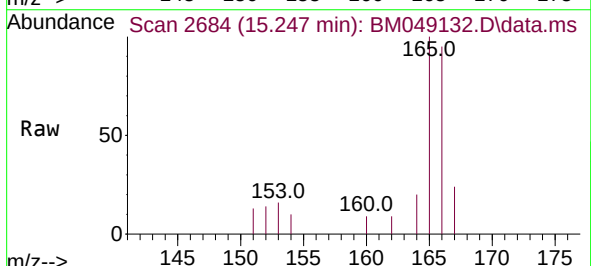
Tgt Ion:153 Resp: 1688
Ion Ratio Lower Upper
153 100
152 55.6 40.7 61.1
154 88.3 70.8 106.2

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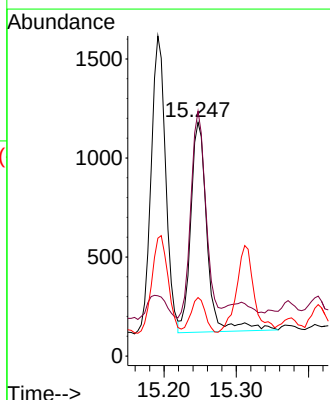
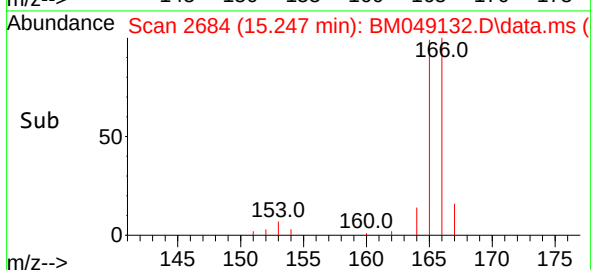
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

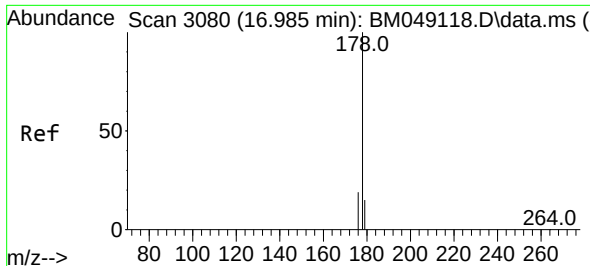


#12
Fluorene
Concen: 0.030 ng/u1
RT: 15.247 min Scan# 2684
Delta R.T. -0.008 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50



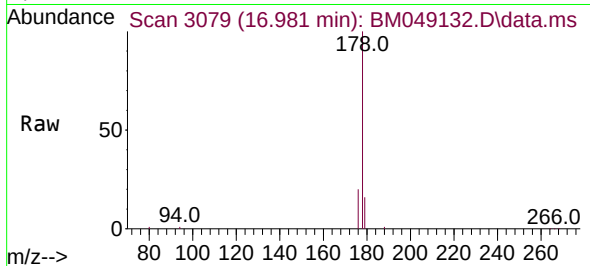
Tgt Ion:166 Resp: 1673
Ion Ratio Lower Upper
166 100
165 104.7 79.7 119.5
167 25.0 11.4 17.0#





#15
Phenanthrene
Concen: 0.398 ng/u1
RT: 16.981 min Scan# 3080
Delta R.T. -0.011 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

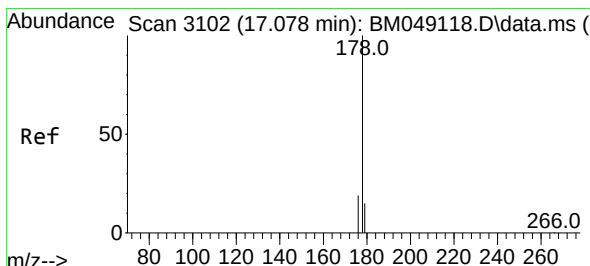
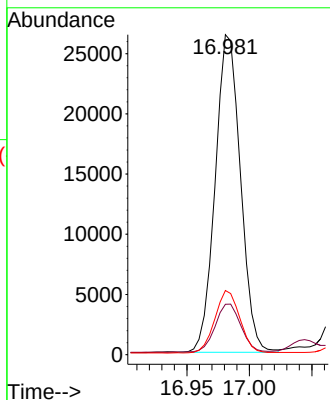
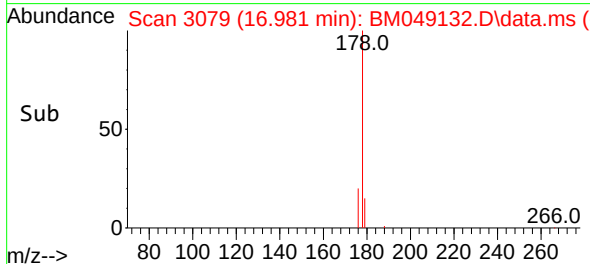
Instrument :
BNA_M
ClientSampleId :
E28Z0



Tgt Ion:178 Resp: 37099
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.4
176 20.1 16.2 24.2

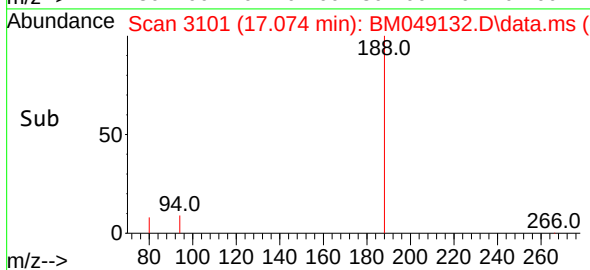
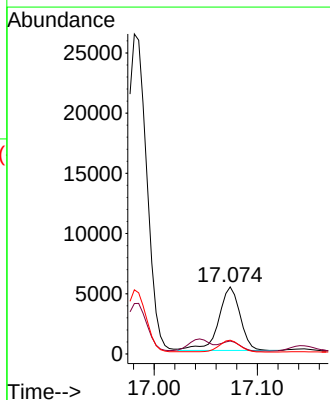
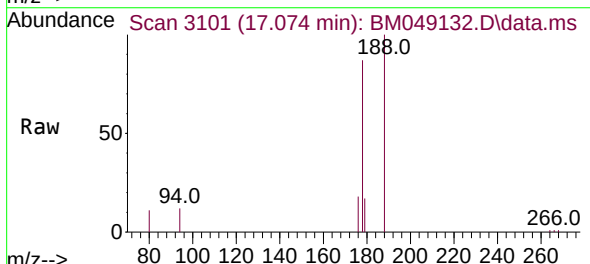
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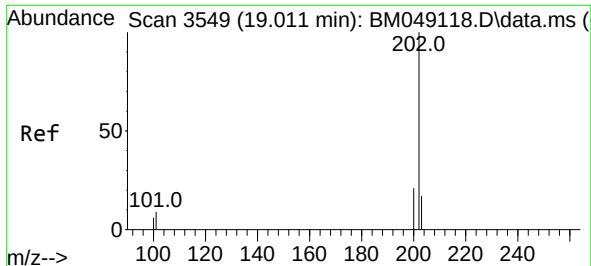
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#16
Anthracene
Concen: 0.090 ng/u1
RT: 17.074 min Scan# 3101
Delta R.T. -0.011 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

Tgt Ion:178 Resp: 7654
Ion Ratio Lower Upper
178 100
179 19.4 12.9 19.3#
176 20.6 15.3 22.9





#19

Fluoranthene

Concen: 0.891 ng/u1

RT: 19.007 min Scan# 3

Delta R.T. -0.008 min

Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

Instrument :

BNA_M

ClientSampleId :

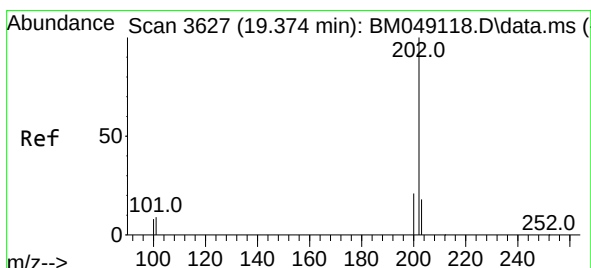
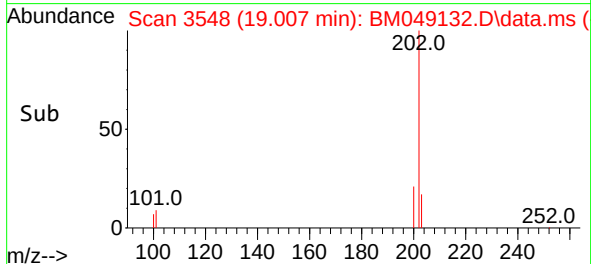
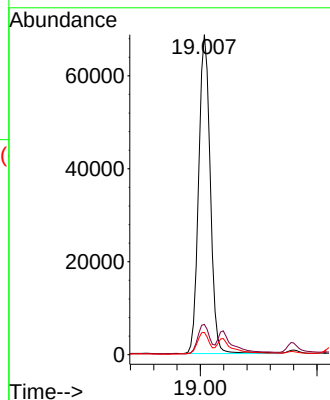
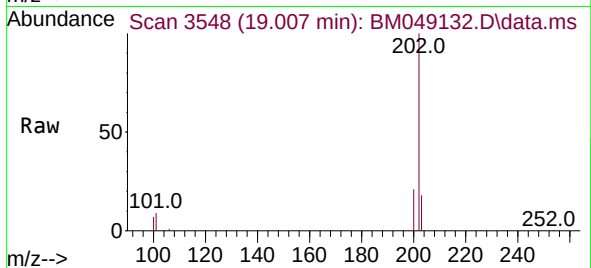
E28Z0

Tgt Ion:202 Resp: 94969
Ion Ratio Lower Upper
202 100
101 9.4 7.6 11.4
100 6.9 5.5 8.3

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#20

Pyrene

Concen: 0.719 ng/u1

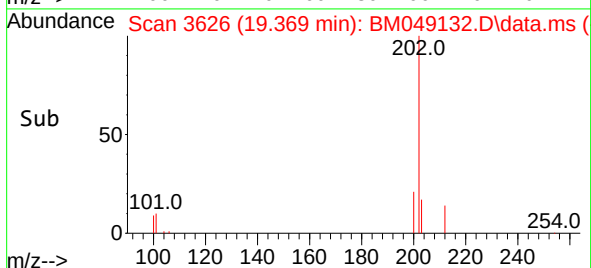
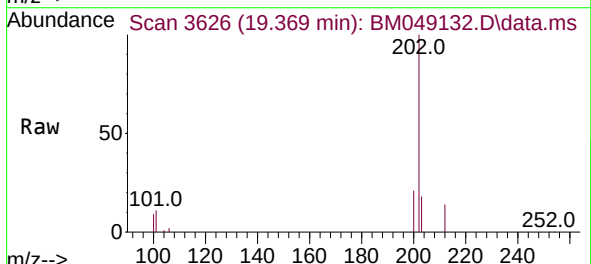
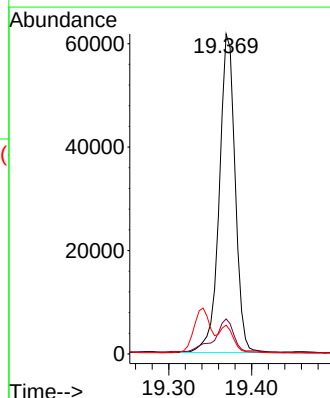
RT: 19.369 min Scan# 3626

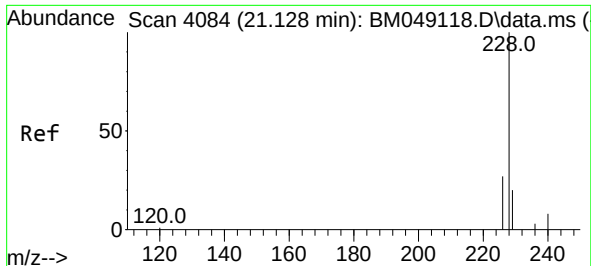
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Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

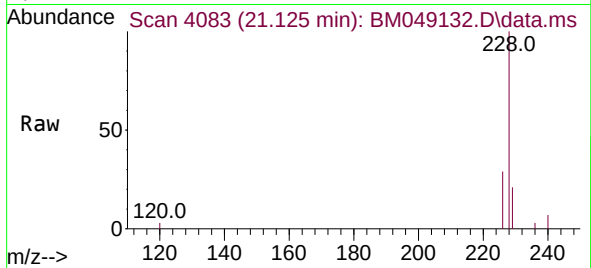
Tgt Ion:202 Resp: 81750
Ion Ratio Lower Upper
202 100
101 11.0 8.9 13.3
100 9.0 6.9 10.3





#21
Benzo(a)anthracene
Concen: 0.401 ng/ul
RT: 21.125 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

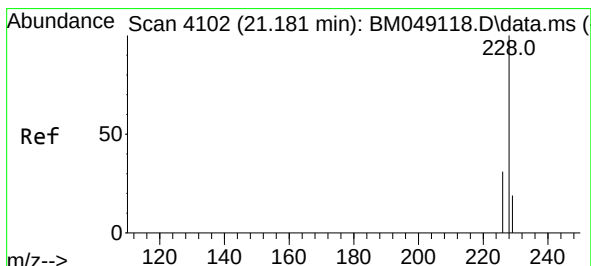
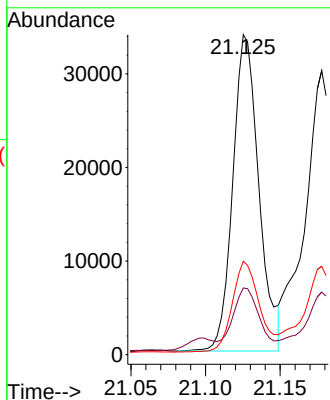
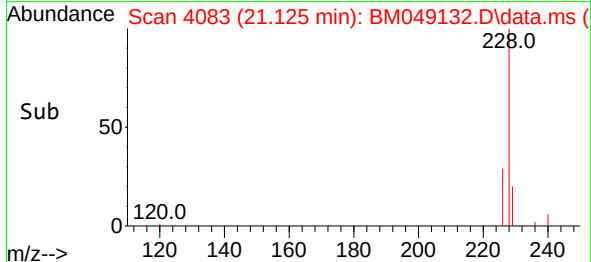
Instrument :
BNA_M
ClientSampleId :
E28Z0



Tgt Ion:228 Resp: 41099
Ion Ratio Lower Upper
228 100
229 20.9 15.9 23.9
226 29.2 22.6 34.0

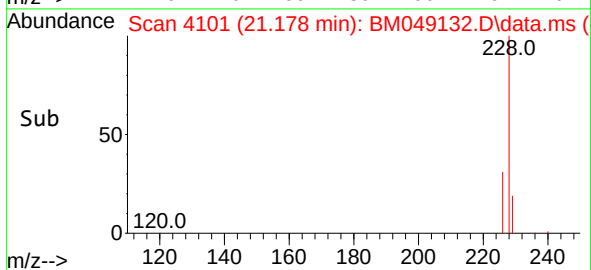
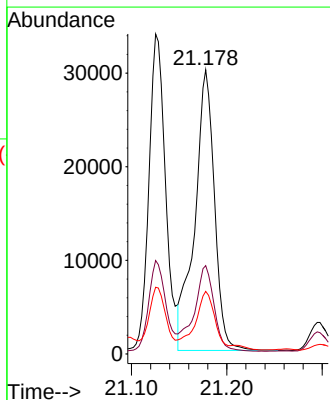
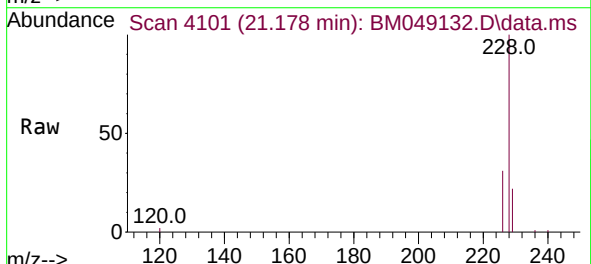
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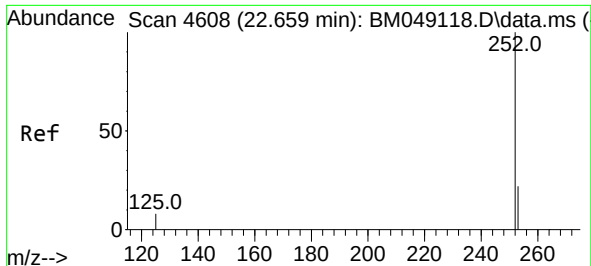
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#22
Chrysene
Concen: 0.391 ng/ul
RT: 21.178 min Scan# 4101
Delta R.T. -0.006 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

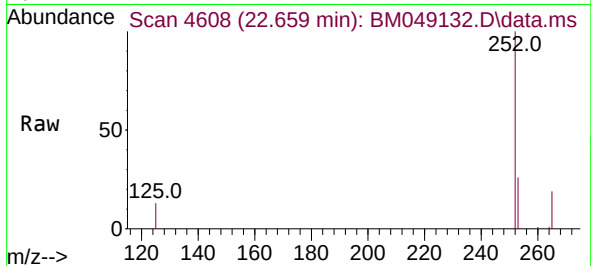
Tgt Ion:228 Resp: 43046
Ion Ratio Lower Upper
228 100
226 31.1 24.1 36.1
229 22.0 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.638 ng/ul m
RT: 22.659 min Scan# 4608
Delta R.T. -0.003 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

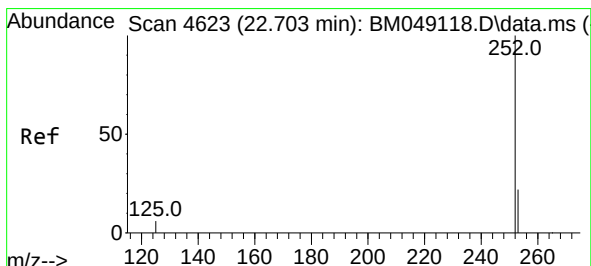
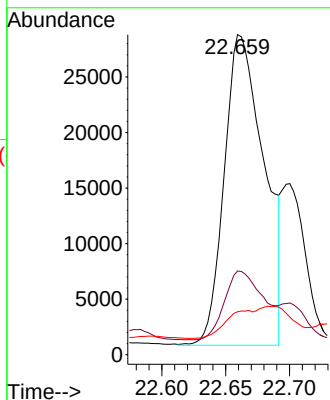
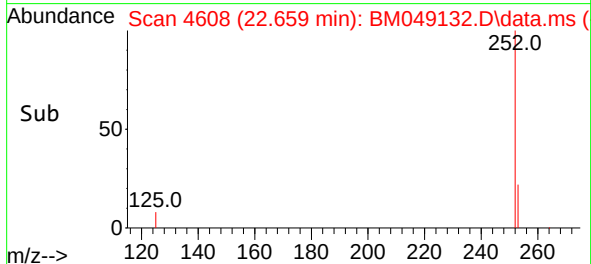
Instrument :
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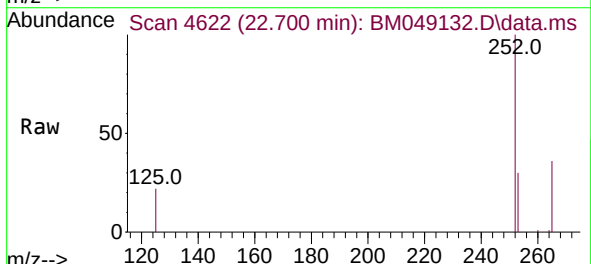
Tgt Ion:252 Resp: 60608
Ion Ratio Lower Upper
252 100
253 26.2 0.0 52.6
125 13.4 0.0 30.8

Manual Integrations
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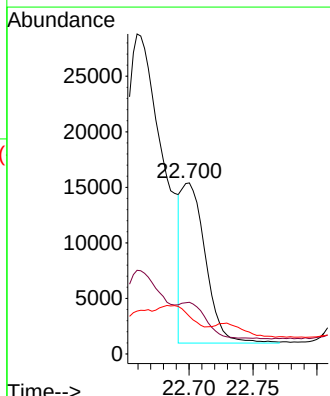
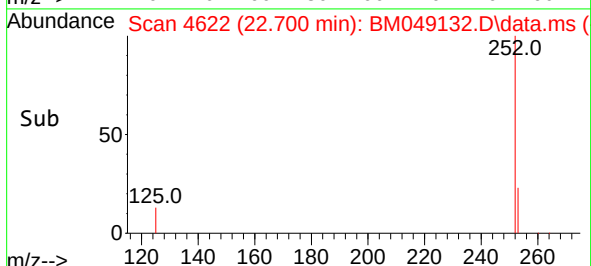
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

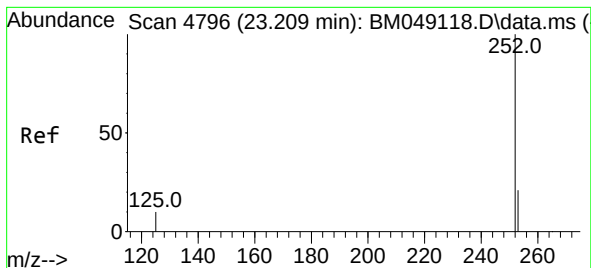


#25
Benzo(k)fluoranthene
Concen: 0.183 ng/ul m
RT: 22.700 min Scan# 4622
Delta R.T. -0.006 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50



Tgt Ion:252 Resp: 19034
Ion Ratio Lower Upper
252 100
253 30.2 21.3 31.9
125 22.0 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.418 ng/ul

RT: 23.206 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

Instrument :

BNM_M

ClientSampleId :

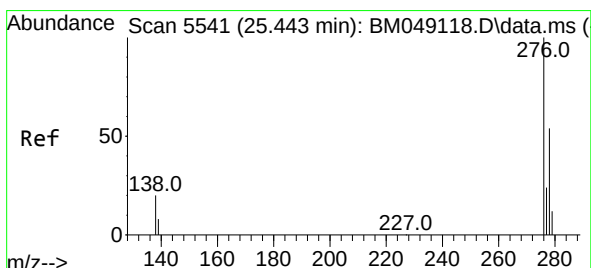
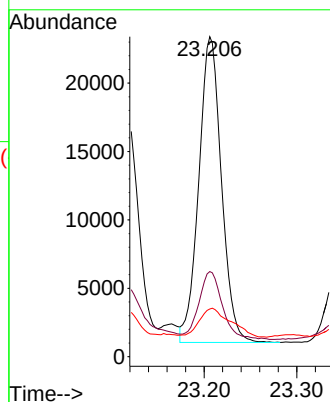
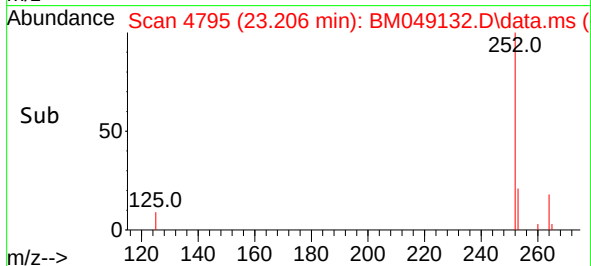
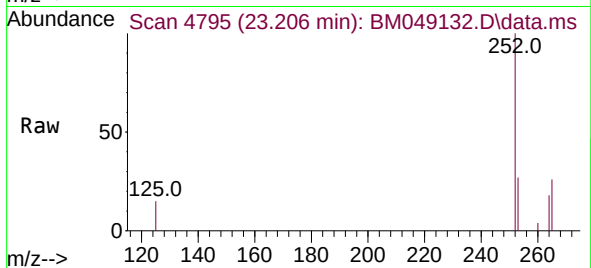
E28Z0

Tgt Ion:	252	Resp:	3802
Ion Ratio	Lower	Upper	
252	100		
253	26.6	22.4	33.6
125	14.9	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.235 ng/ul

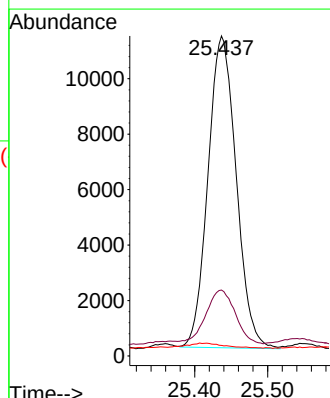
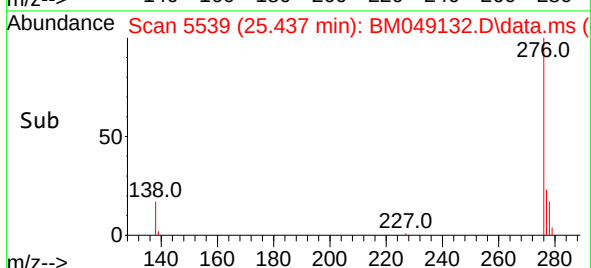
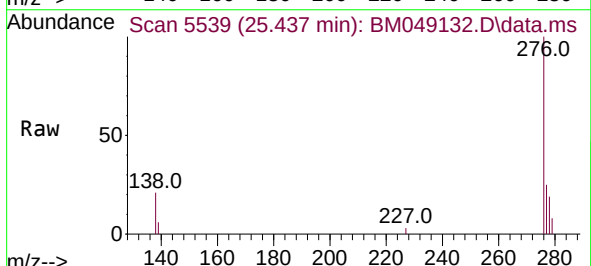
RT: 25.437 min Scan# 5539

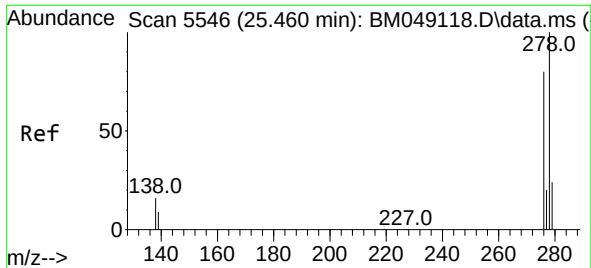
Delta R.T. -0.010 min

Lab File: BM049132.D

Acq: 21 Dec 2024 10:50

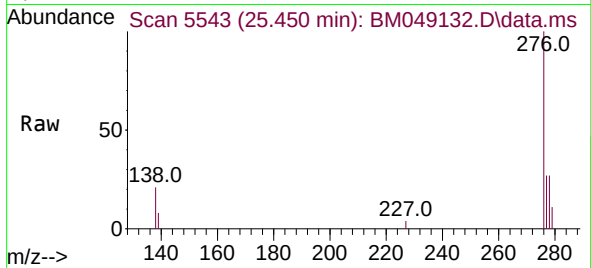
Tgt Ion:	276	Resp:	30238
Ion Ratio	Lower	Upper	
276	100		
138	18.3	17.4	26.2
227	0.0	0.2	0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.450 min Scan# 5546
Delta R.T. -0.017 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50

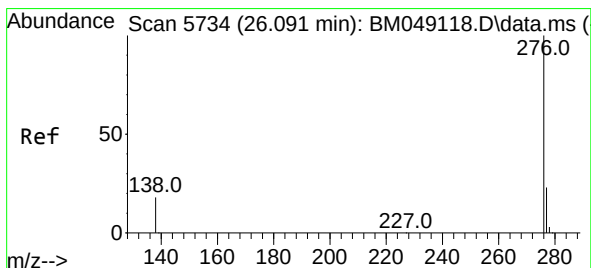
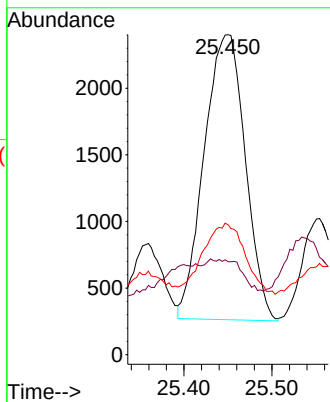
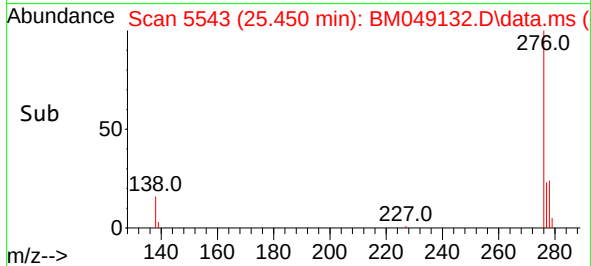
Instrument :
BNA_M
ClientSampleId :
E28Z0



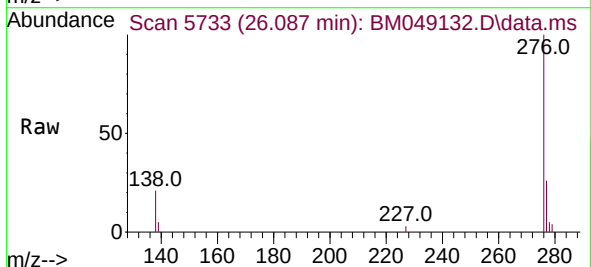
Tgt Ion:278 Resp: 694
Ion Ratio Lower Upper
278 100
139 29.1 13.5 20.3
279 40.6 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#29
Benzo(g,h,i)perylene
Concen: 0.313 ng/ul
RT: 26.087 min Scan# 5733
Delta R.T. -0.007 min
Lab File: BM049132.D
Acq: 21 Dec 2024 10:50



Tgt Ion:276 Resp: 32407
Ion Ratio Lower Upper
276 100
138 21.3 16.7 25.1
277 25.8 19.9 29.9

