

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049200.D
 Acq On : 25 Dec 2024 00:50
 Operator : RC/JU
 Sample : P5333-20
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2923

Manual Integrations
 APPROVED

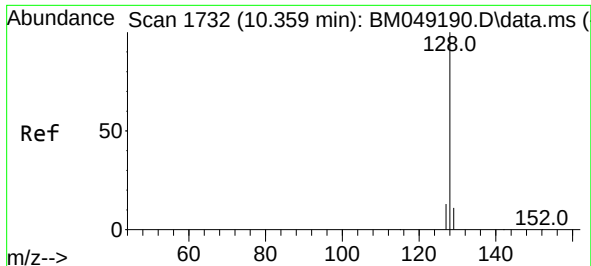
Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 01:20:28 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)

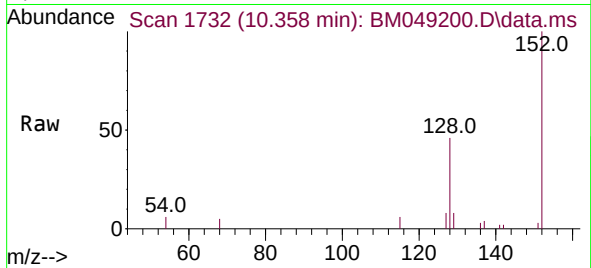
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	6500	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	19963	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	11061	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.933	188	25036m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.132	240	21014m	0.400	ng/ul	-0.01
23) Perylene-d12	23.285	264	20885m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	24006	3.202	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.909	152	5433	0.203	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	11657	0.196	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.358	128	3128	0.063	ng/ul#	89
7) 2-Methylnaphthalene	11.980	142	1696	0.054	ng/ul	100
8) 1-Methylnaphthalene	12.206	142	1549	0.048	ng/ul	95
10) Acenaphthylene	13.899	152	3226	0.070	ng/ul#	89
11) Acenaphthene	14.246	153	2883	0.086	ng/ul	97
12) Fluorene	15.241	166	3873	0.103	ng/ul#	98
15) Phenanthrene	16.971	178	99704m	1.525	ng/ul	
16) Anthracene	17.064	178	19876m	0.331	ng/ul	
19) Fluoranthene	18.996	202	228793	3.011	ng/ul	99
20) Pyrene	19.363	202	185272	2.287	ng/ul	98
21) Benzo(a)anthracene	21.117	228	100644	1.377	ng/ul	100
22) Chrysene	21.170	228	101776	1.297	ng/ul	98
24) Benzo(b)fluoranthene	22.648	252	136921m	2.052	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	48184m	0.658	ng/ul	
26) Benzo(a)pyrene	23.195	252	89190m	1.394	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.417	276	68770	0.759	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.424	278	16445	0.234	ng/ul	94
29) Benzo(g,h,i)perylene	26.068	276	69901	0.960	ng/ul	97

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



#5
Naphthalene
Concen: 0.063 ng/ul
RT: 10.358 min Scan# 1732
Delta R.T. -0.022 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

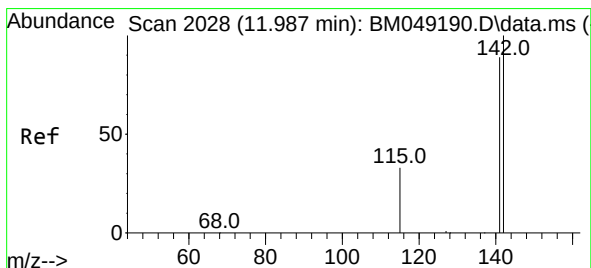
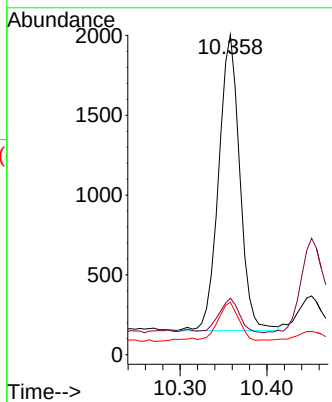
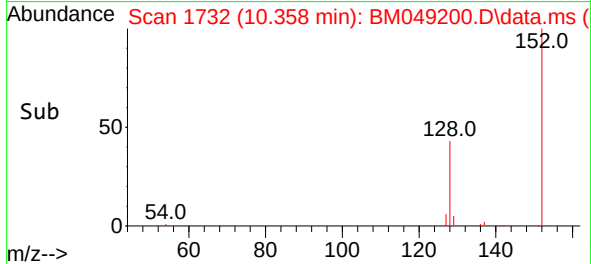
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:128 Resp: 3128
Ion Ratio Lower Upper
128 100
129 17.7 9.7 14.5
127 16.4 10.6 16.0

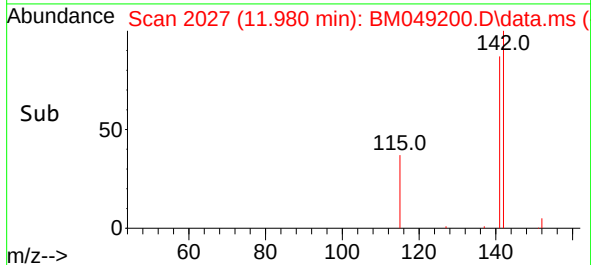
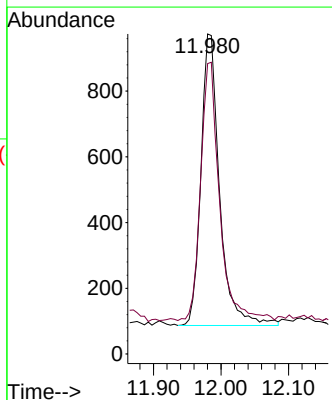
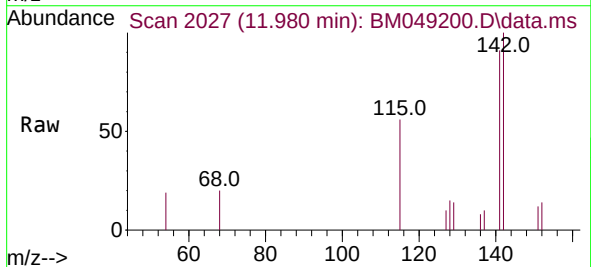
Manual Integrations
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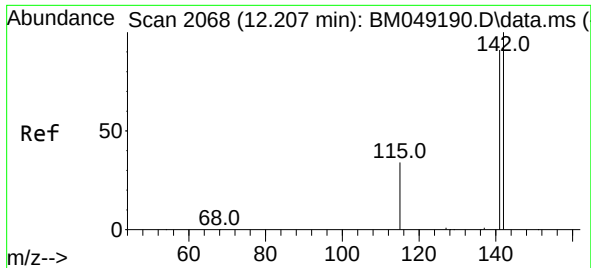
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#7
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 11.980 min Scan# 2027
Delta R.T. -0.022 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

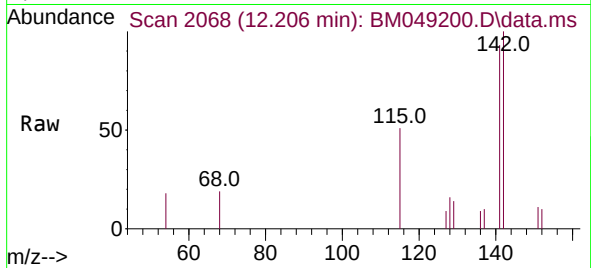
Tgt Ion:142 Resp: 1696
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.048 ng/ul
RT: 12.206 min Scan# 2068
Delta R.T. -0.016 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

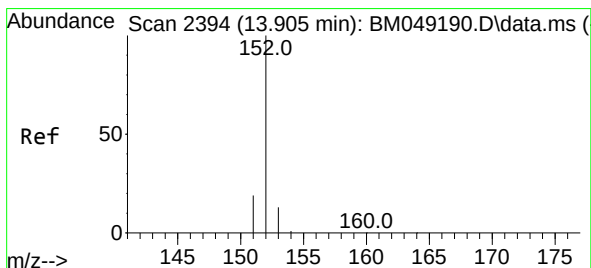
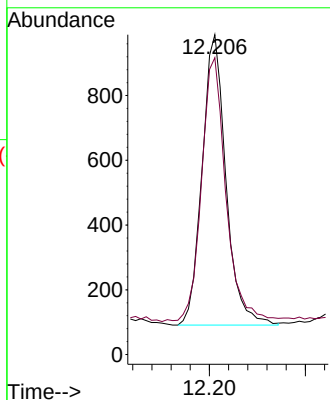
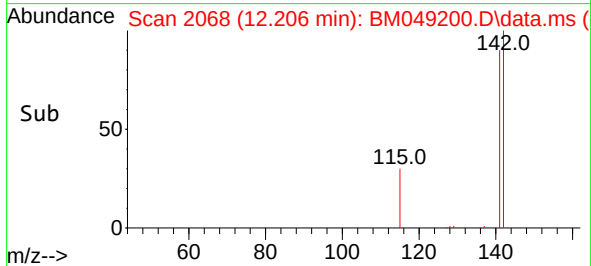
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:142 Resp: 1549
Ion Ratio Lower Upper
142 100
141 95.2 72.7 109.1

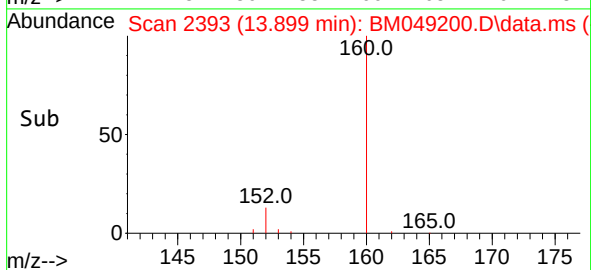
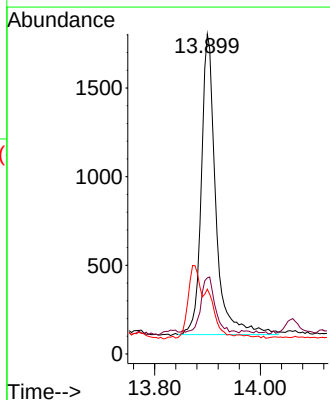
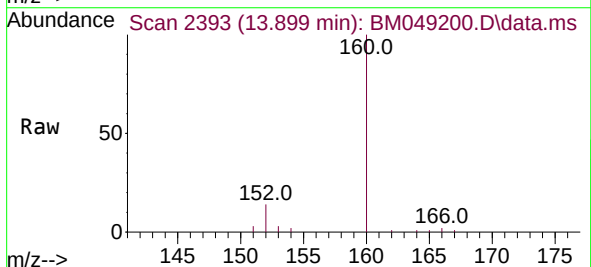
Manual Integrations
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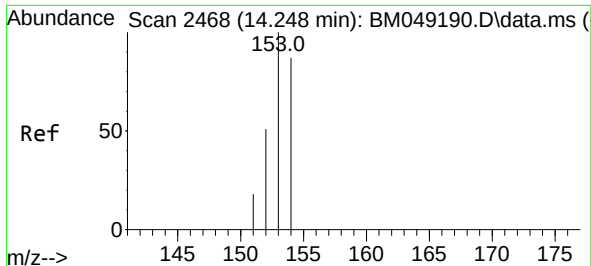
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 13.899 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

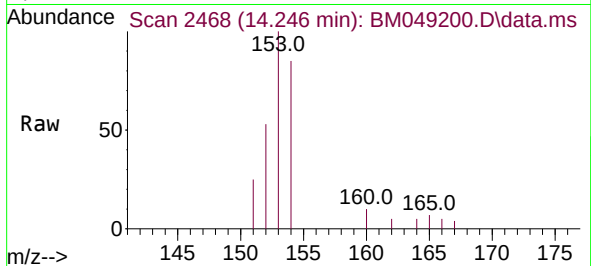
Tgt Ion:152 Resp: 3226
Ion Ratio Lower Upper
152 100
151 23.8 16.0 24.0
153 20.3 11.0 16.6#





#11
Acenaphthene
Concen: 0.086 ng/u1
RT: 14.246 min Scan# 2468
Delta R.T. -0.018 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

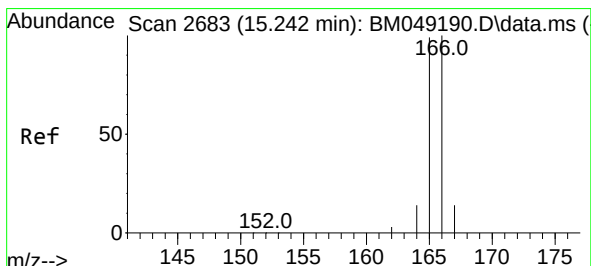
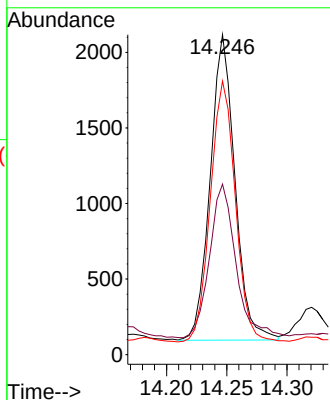
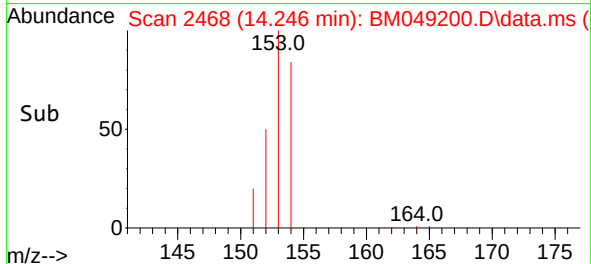
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:153 Resp: 288
Ion Ratio Lower Upper
153 100
152 53.3 40.7 61.1
154 85.5 70.8 106.2

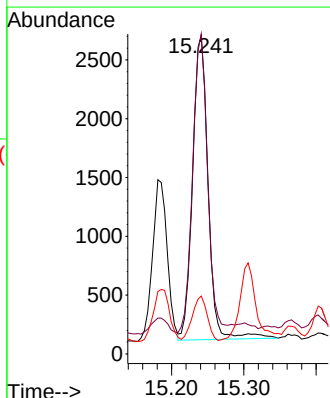
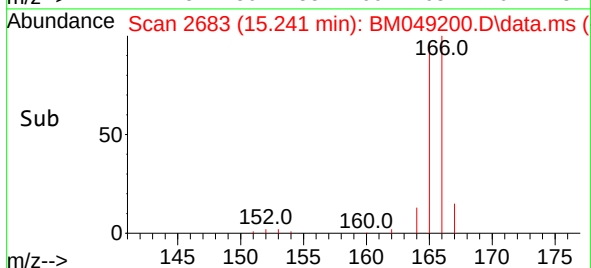
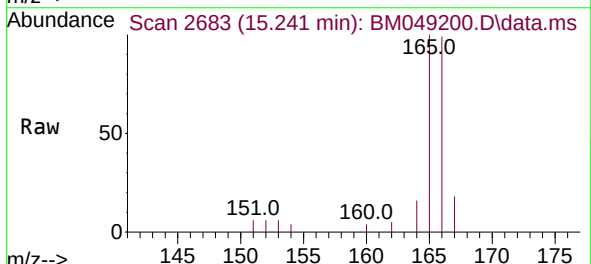
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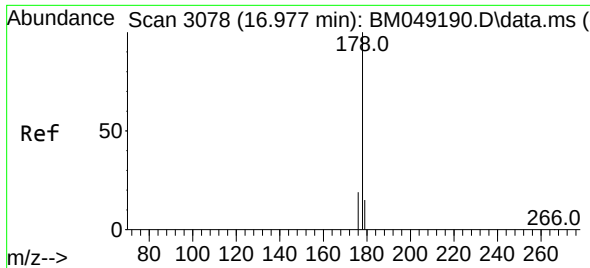
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#12
Fluorene
Concen: 0.103 ng/u1
RT: 15.241 min Scan# 2683
Delta R.T. -0.014 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

Tgt Ion:166 Resp: 3873
Ion Ratio Lower Upper
166 100
165 100.6 79.7 119.5
167 18.2 11.4 17.0#





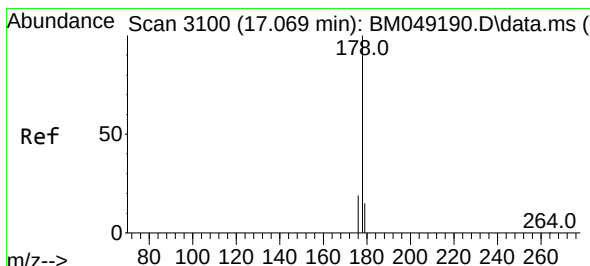
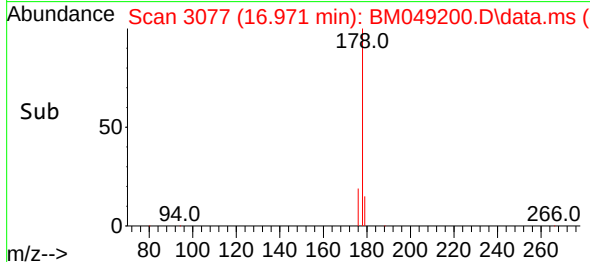
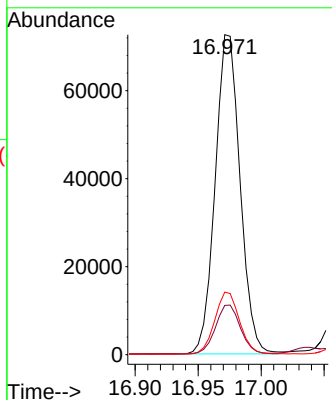
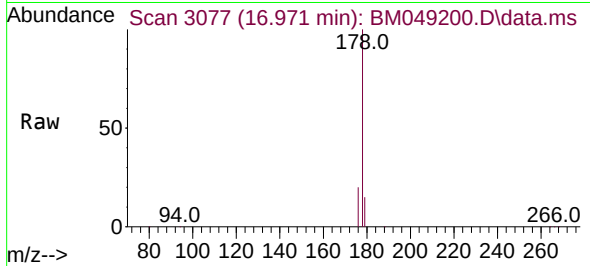
#15
Phenanthrene
Concen: 1.525 ng/ul m
RT: 16.971 min Scan# 3078
Delta R.T. -0.021 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

Instrument :
BNA_M
ClientSampleId :
E2923

Tgt Ion:178 Resp: 99704
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 19.6 16.2 24.2

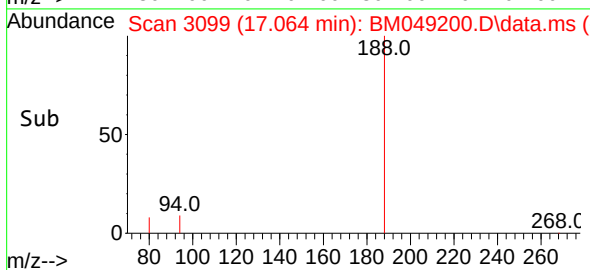
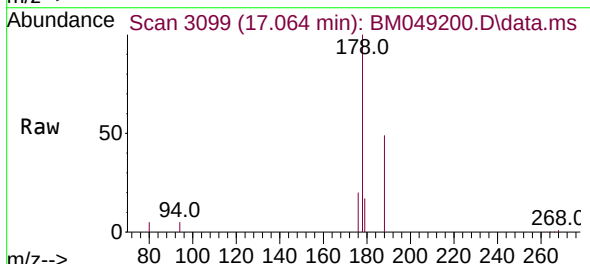
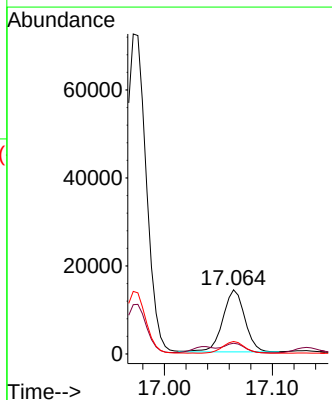
Manual Integrations
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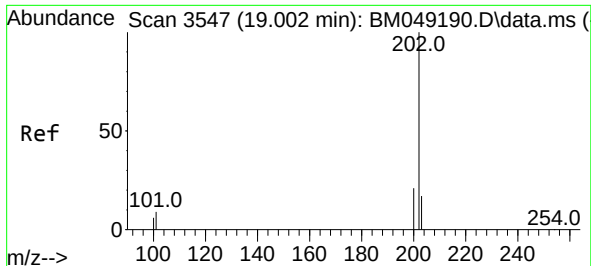
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#16
Anthracene
Concen: 0.331 ng/ul m
RT: 17.064 min Scan# 3099
Delta R.T. -0.021 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

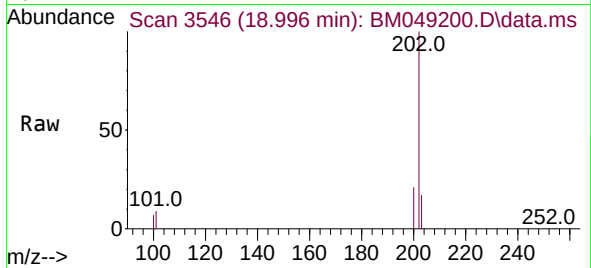
Tgt Ion:178 Resp: 19876
Ion Ratio Lower Upper
178 100
179 16.8 12.9 19.3
176 19.5 15.3 22.9





#19
Fluoranthene
Concen: 3.011 ng/u1
RT: 18.996 min Scan# 3546
Delta R.T. -0.018 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

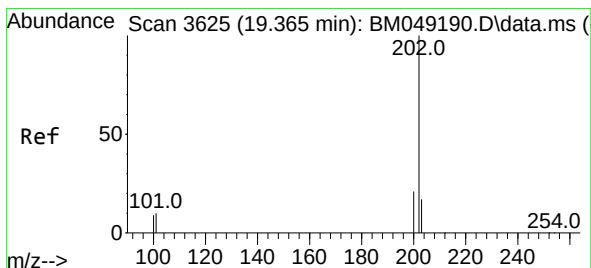
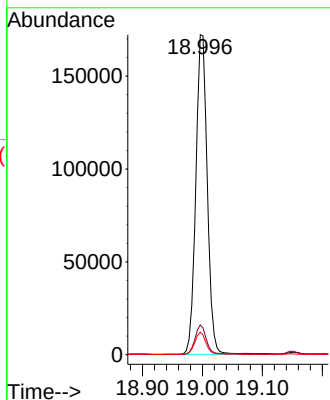
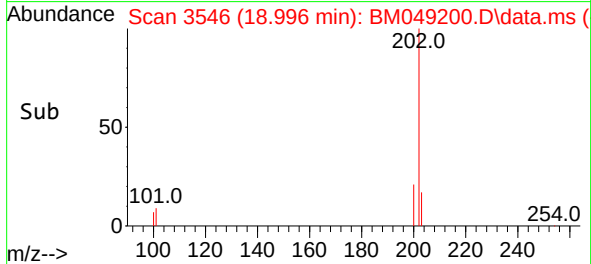
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:202 Resp: 22879
Ion Ratio Lower Upper
202 100
101 9.3 7.6 11.4
100 7.1 5.5 8.3

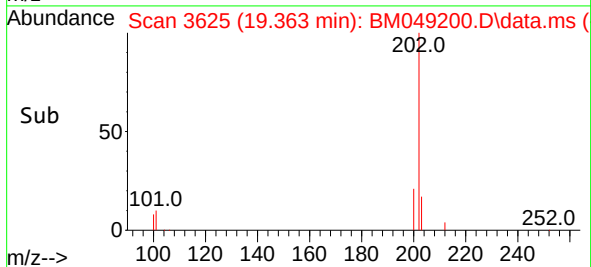
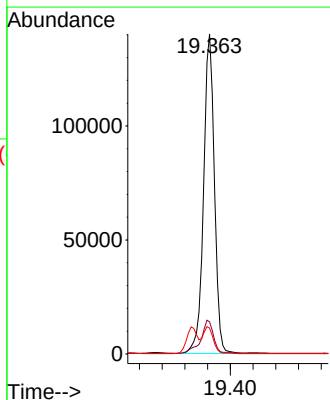
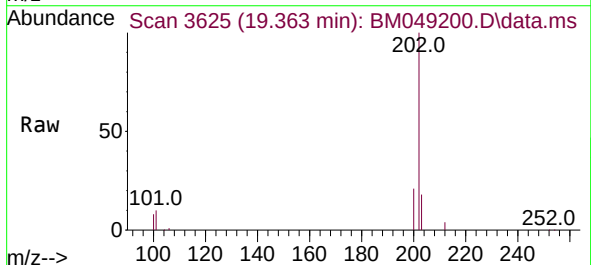
Manual Integrations
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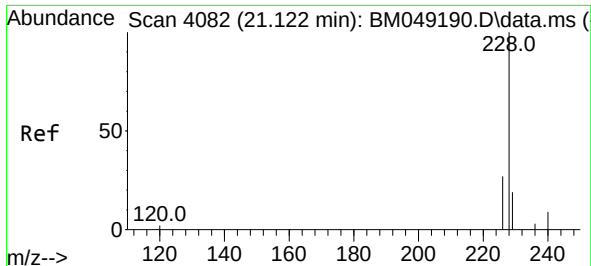
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#20
Pyrene
Concen: 2.287 ng/u1
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

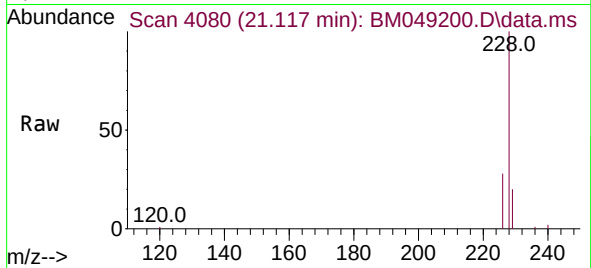
Tgt Ion:202 Resp: 185272
Ion Ratio Lower Upper
202 100
101 10.1 8.9 13.3
100 8.1 6.9 10.3





#21
Benzo(a)anthracene
Concen: 1.377 ng/ul
RT: 21.117 min Scan# 4080
Delta R.T. -0.014 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

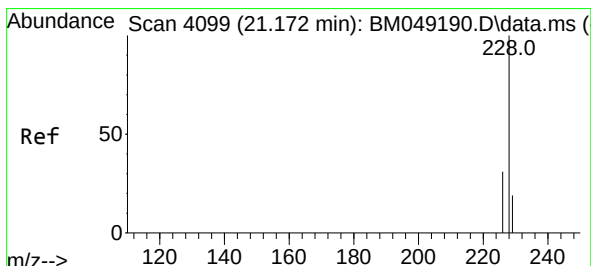
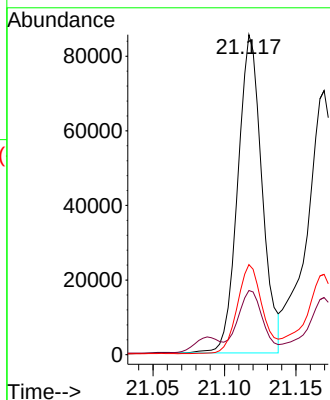
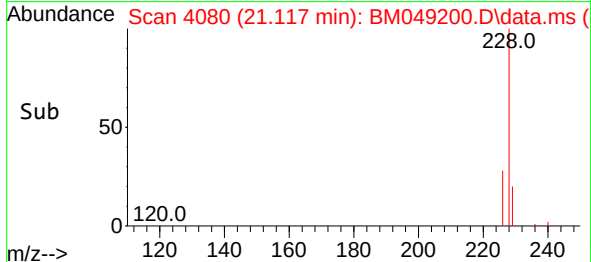
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:228 Resp: 100644
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 28.1 22.6 34.0

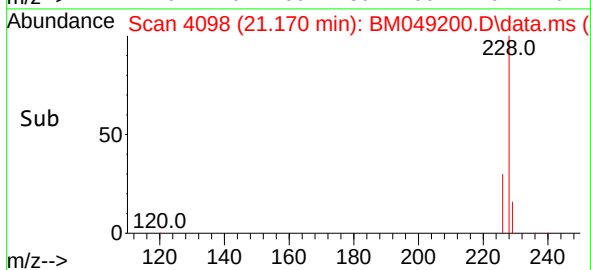
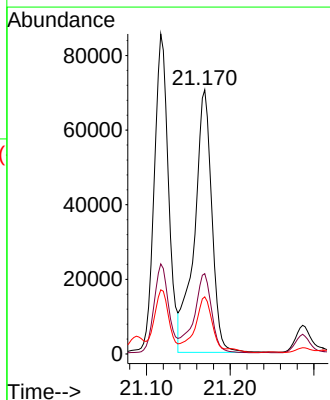
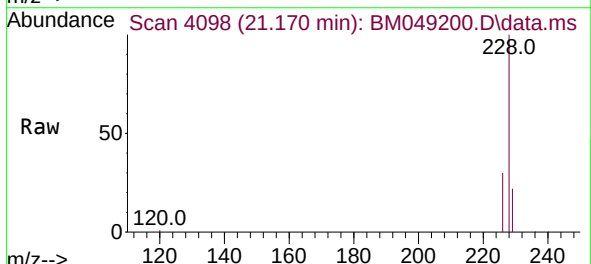
Manual Integrations
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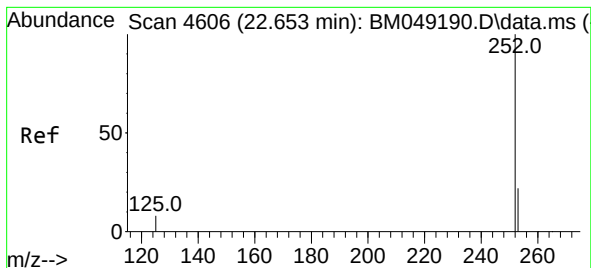
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 1.297 ng/ul
RT: 21.170 min Scan# 4098
Delta R.T. -0.014 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

Tgt Ion:228 Resp: 101776
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 21.6 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 2.052 ng/ul m

RT: 22.648 min Scan# 4604

Delta R.T. -0.014 min

Lab File: BM049200.D

Acq: 25 Dec 2024 00:50

Instrument :

BNA_M

ClientSampleId :

E2923

Tgt Ion:252 Resp: 13692

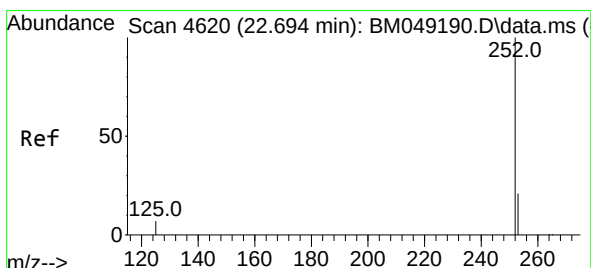
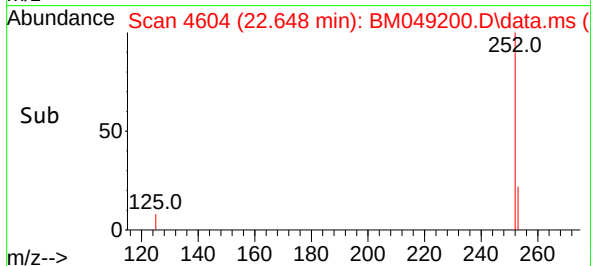
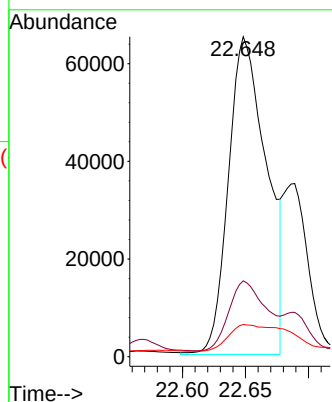
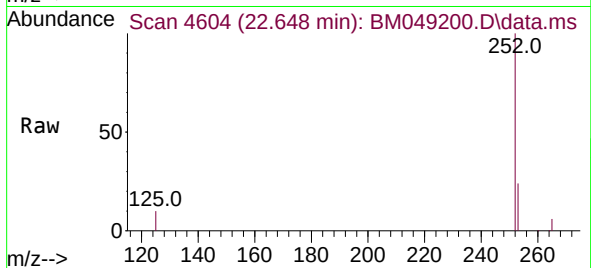
Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	52.6
125	10.1	0.0	30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/26/2024

Supervised By :mohammad ahmed 12/26/2024



#25

Benzo(k)fluoranthene

Concen: 0.658 ng/ul m

RT: 22.689 min Scan# 4618

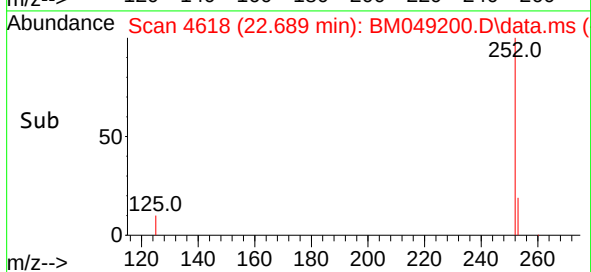
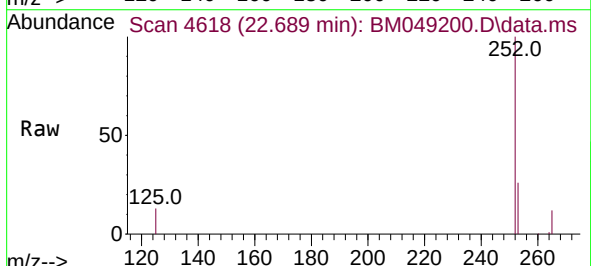
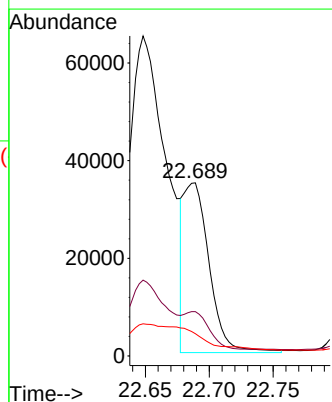
Delta R.T. -0.017 min

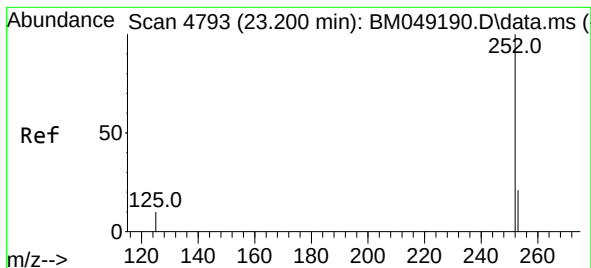
Lab File: BM049200.D

Acq: 25 Dec 2024 00:50

Tgt Ion:252 Resp: 48184

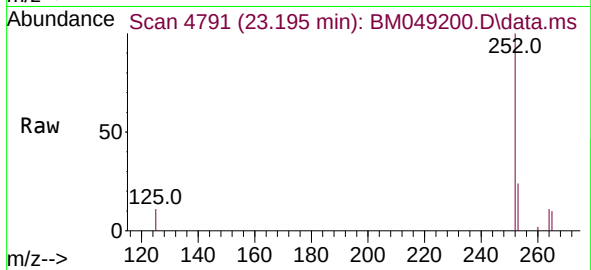
Ion	Ratio	Lower	Upper
252	100		
253	25.7	21.3	31.9
125	12.9	12.6	18.8





#26
Benzo(a)pyrene
Concen: 1.394 ng/ul m
RT: 23.195 min Scan# 4791
Delta R.T. -0.014 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

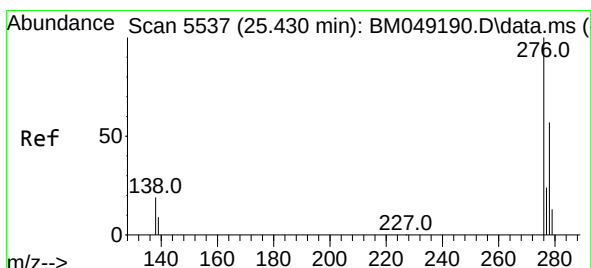
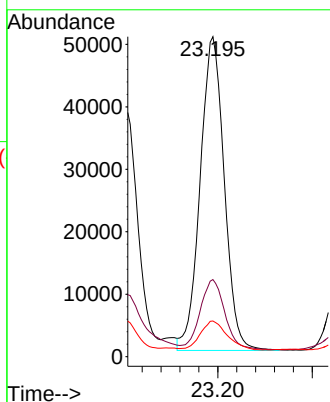
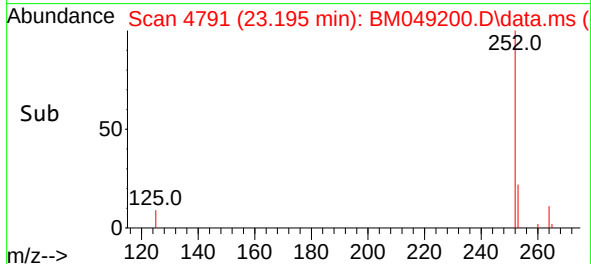
Instrument :
BNA_M
ClientSampleId :
E2923



Tgt Ion:252 Resp: 89190
Ion Ratio Lower Upper
252 100
253 24.1 22.4 33.6
125 11.2 14.8 22.2

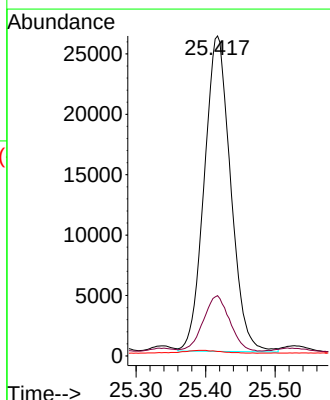
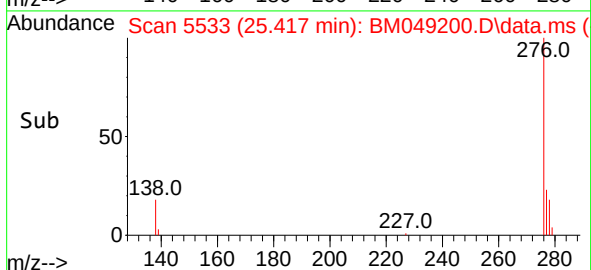
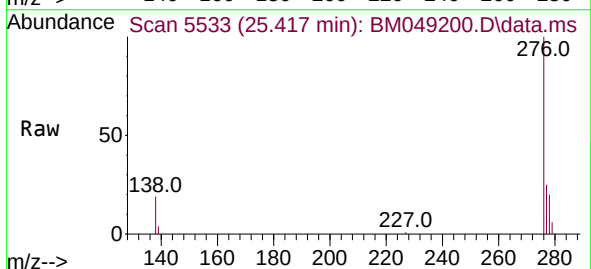
Manual Integrations
APPROVED

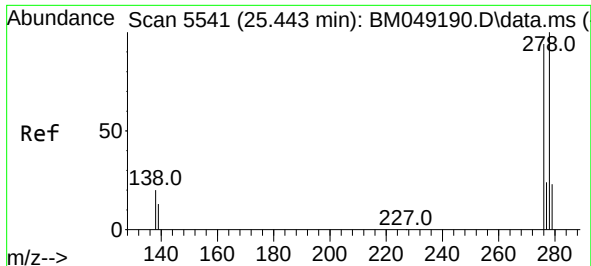
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.759 ng/ul
RT: 25.417 min Scan# 5533
Delta R.T. -0.030 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

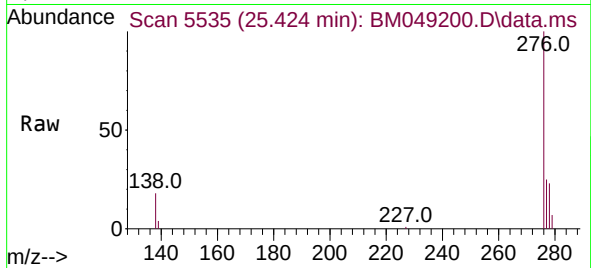
Tgt Ion:276 Resp: 68770
Ion Ratio Lower Upper
276 100
138 17.9 17.4 26.2
227 0.0 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.234 ng/ul
RT: 25.424 min Scan# 51
Delta R.T. -0.043 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50

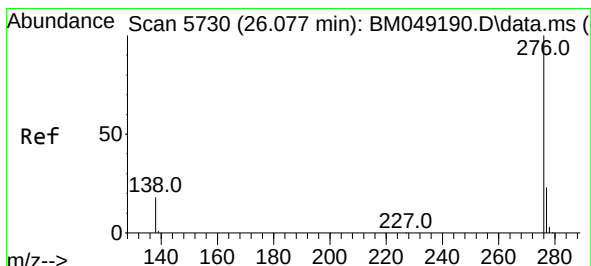
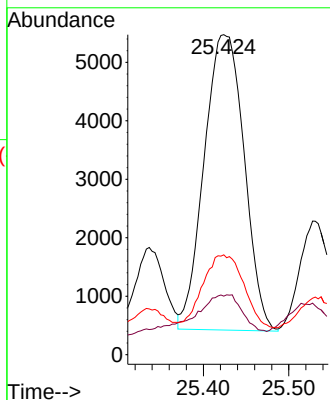
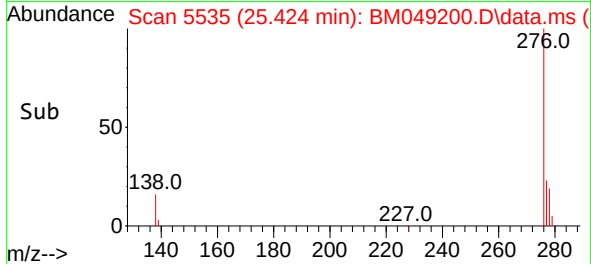
Instrument :
BNA_M
ClientSampleId :
E2923



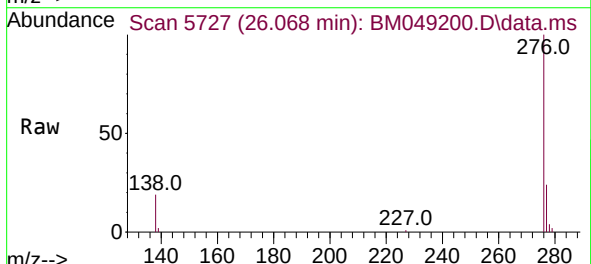
Tgt Ion:278 Resp: 1644
Ion Ratio Lower Upper
278 100
139 18.3 13.5 20.3
279 31.2 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#29
Benzo(g,h,i)perylene
Concen: 0.960 ng/ul
RT: 26.068 min Scan# 5727
Delta R.T. -0.027 min
Lab File: BM049200.D
Acq: 25 Dec 2024 00:50



Tgt Ion:276 Resp: 69901
Ion Ratio Lower Upper
276 100
138 18.6 16.7 25.1
277 24.4 19.9 29.9

