

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122624\
 Data File : BM049227.D
 Acq On : 26 Dec 2024 15:47
 Operator : RC/JU
 Sample : P5333-03DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2906DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 26 21:58:18 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 : Thu Dec 26 11:35:38 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	5336	0.400	ng/ul	0.00
4) Naphthalene-d8	10.309	136	16247	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	10293	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.930	188	23837	0.400	ng/ul	0.00
17) Chrysene-d12	21.134	240	21368	0.400	ng/ul	0.00
23) Perylene-d12	23.288	264	24340	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	3405	0.553	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.904	152	687	0.031	ng/ul	0.00
18) Fluoranthene-d10	18.969	212	1603	0.026	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.353	128	21590	0.531	ng/ul	99
7) 2-Methylnaphthalene	11.981	142	10806	0.419	ng/ul	97
8) 1-Methylnaphthalene	12.201	142	7403	0.281	ng/ul	99
10) Acenaphthylene	13.901	152	2137	0.050	ng/ul#	84
11) Acenaphthene	14.243	153	32116	1.031	ng/ul	99
12) Fluorene	15.238	166	23332	0.664	ng/ul	98
15) Phenanthrene	16.972	178	732852	11.771	ng/ul	98
16) Anthracene	17.065	178	47976	0.840	ng/ul	99
19) Fluoranthene	18.997	202	856028	11.080	ng/ul	98
20) Pyrene	19.360	202	496862	6.030	ng/ul	99
21) Benzo(a)anthracene	21.119	228	262764	3.535	ng/ul	99
22) Chrysene	21.169	228	294817	3.696	ng/ul	98
24) Benzo(b)fluoranthene	22.648	252	346600m	4.457	ng/ul	
25) Benzo(k)fluoranthene	22.688	252	134797m	1.580	ng/ul	
26) Benzo(a)pyrene	23.194	252	105795	1.419	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.416	276	106238	1.007	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.427	278	39293	0.479	ng/ul	98
29) Benzo(g,h,i)perylene	26.067	276	12640	0.149	ng/ul	96

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

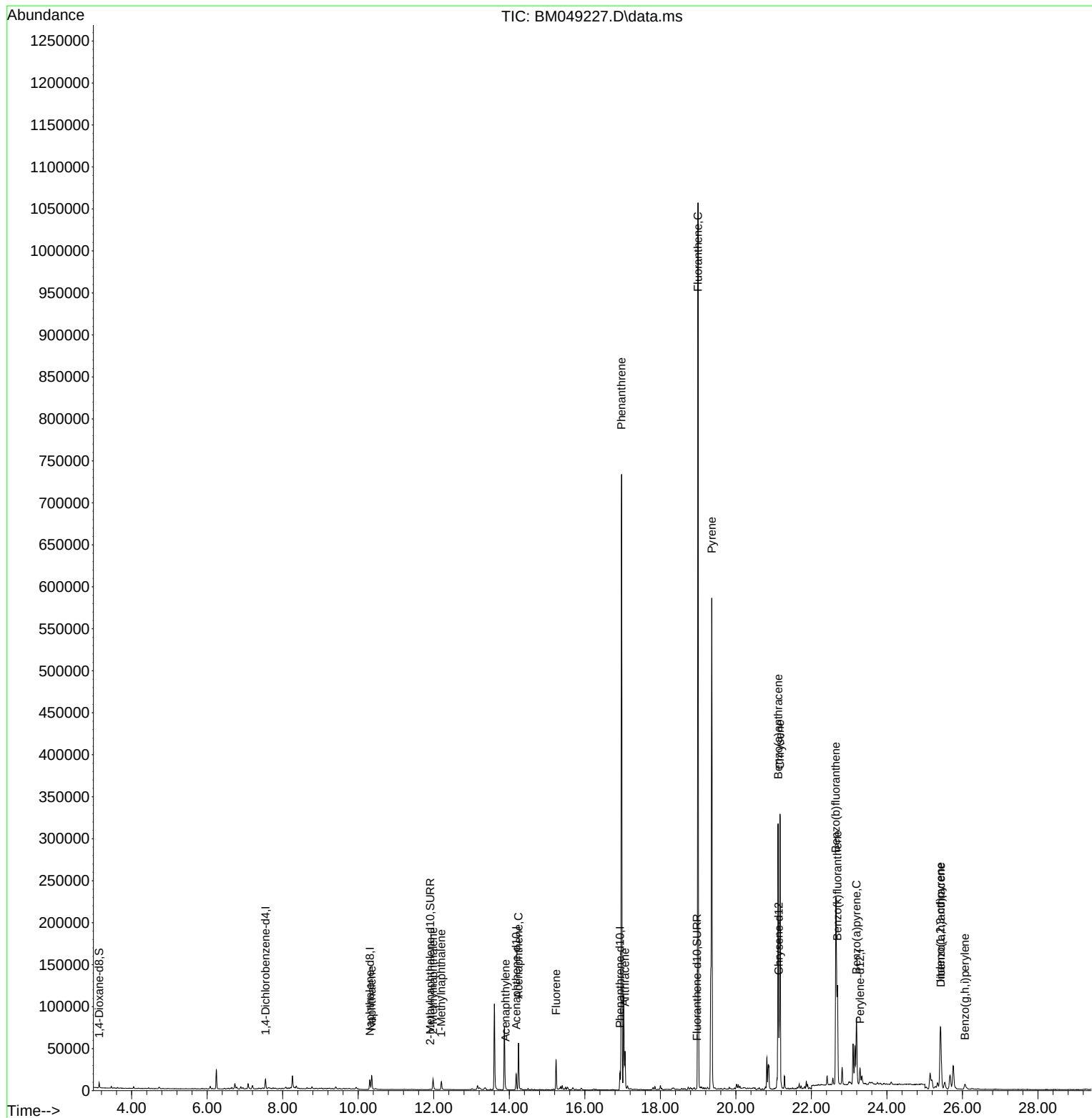
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122624\
Data File : BM049227.D
Acq On : 26 Dec 2024 15:47
Operator : RC/JU
Sample : P5333-03DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

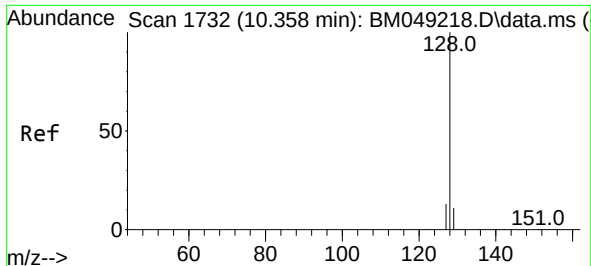
Instrument :
BNA_M
ClientSampleId :
E2906DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

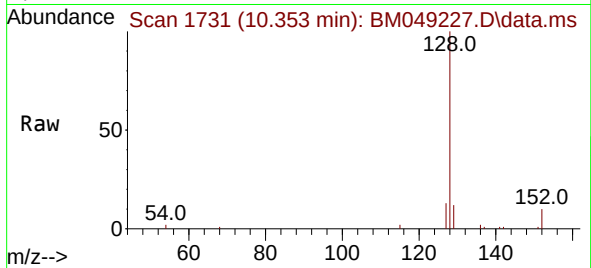
Quant Time: Dec 26 21:58:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.531 ng/ul
RT: 10.353 min Scan# 1731
Delta R.T. -0.004 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

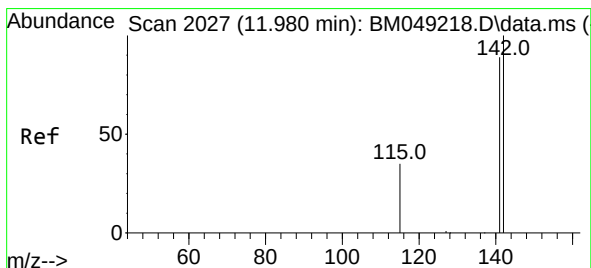
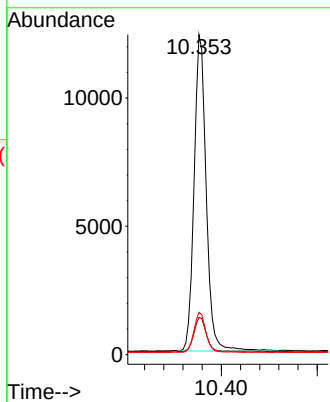
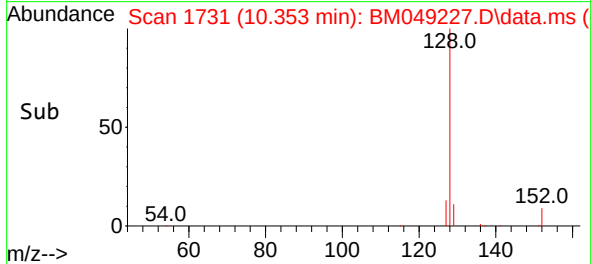
Instrument :
BNA_M
ClientSampleId :
E2906DL



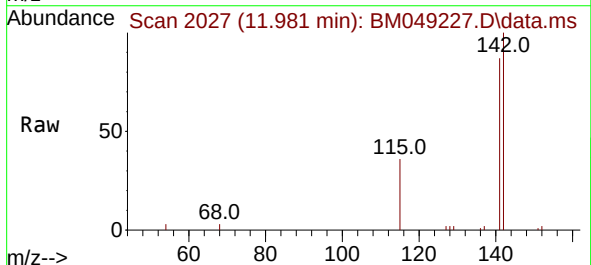
Tgt Ion:128 Resp: 21590
Ion Ratio Lower Upper
128 100
129 11.7 9.7 14.5
127 13.3 10.6 16.0

Manual Integrations
APPROVED

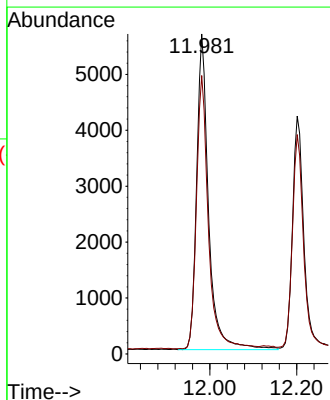
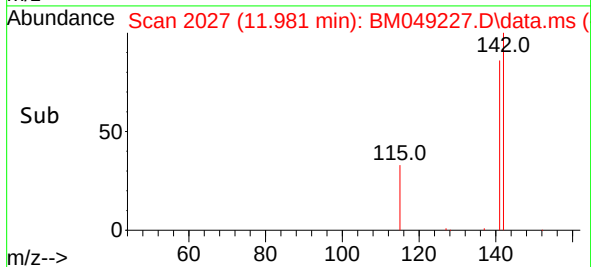
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

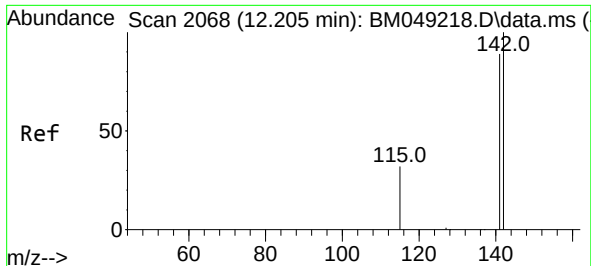


#7
2-Methylnaphthalene
Concen: 0.419 ng/ul
RT: 11.981 min Scan# 2027
Delta R.T. 0.001 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



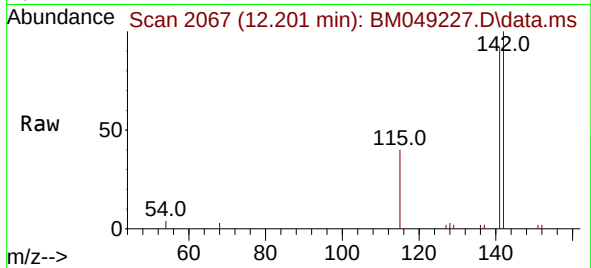
Tgt Ion:142 Resp: 10806
Ion Ratio Lower Upper
142 100
141 87.0 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.281 ng/ul
RT: 12.201 min Scan# 2067
Delta R.T. -0.004 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

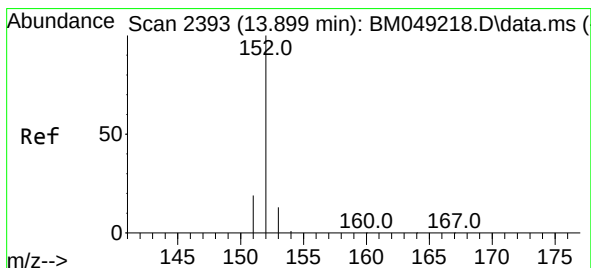
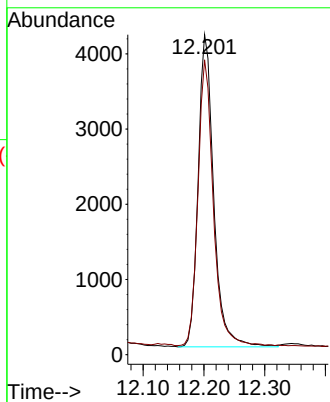
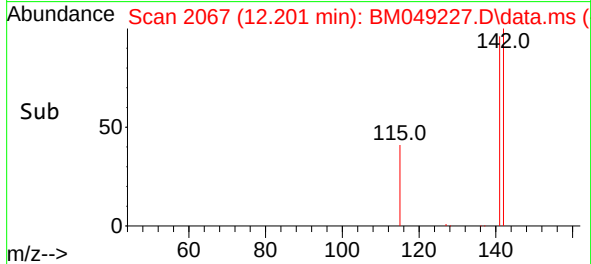
Instrument :
BNA_M
ClientSampleId :
E2906DL



Tgt Ion:142 Resp: 740
Ion Ratio Lower Upper
142 100
141 91.6 72.7 109.1

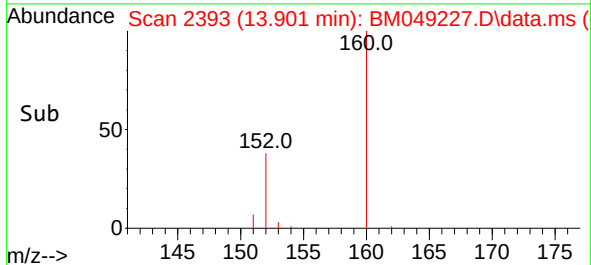
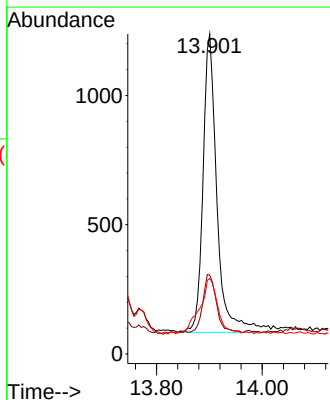
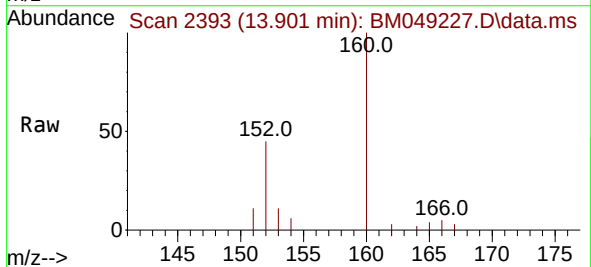
Manual Integrations
APPROVED

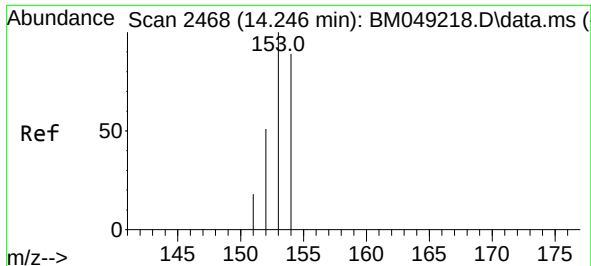
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#10
Acenaphthylene
Concen: 0.050 ng/ul
RT: 13.901 min Scan# 2393
Delta R.T. 0.001 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

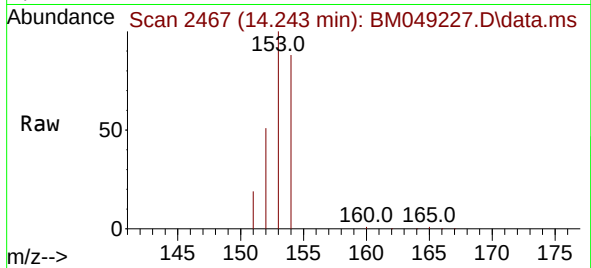
Tgt Ion:152 Resp: 2137
Ion Ratio Lower Upper
152 100
151 24.6 16.0 24.0#
153 23.6 11.0 16.6#





#11
Acenaphthene
Concen: 1.031 ng/ul
RT: 14.243 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

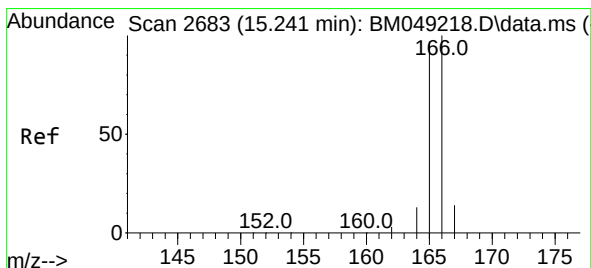
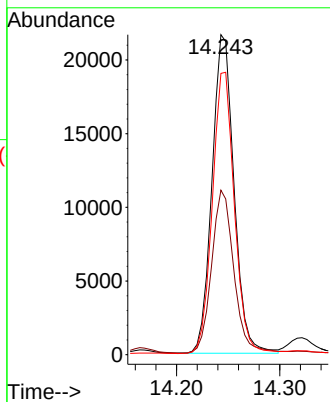
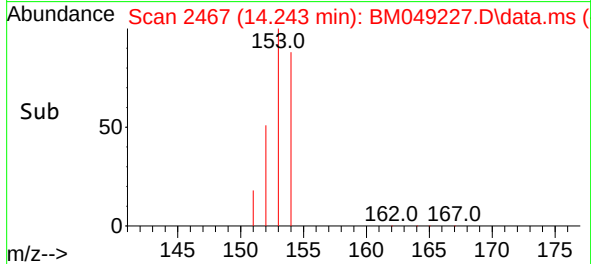
Instrument :
BNA_M
ClientSampleId :
E2906DL



Tgt Ion:153 Resp: 32110
Ion Ratio Lower Upper
153 100
152 51.4 40.7 61.1
154 87.9 70.8 106.2

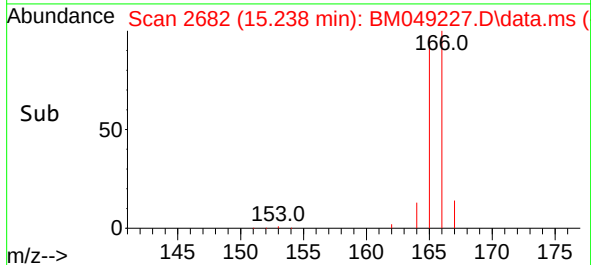
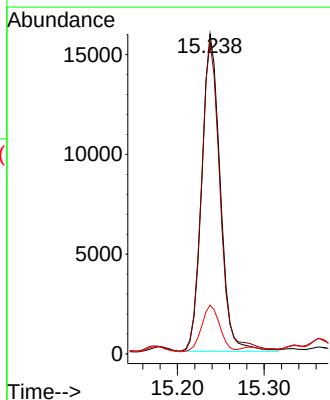
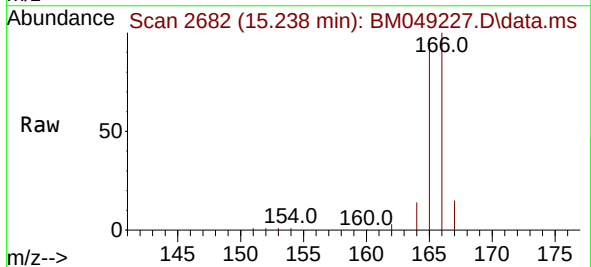
Manual Integrations
APPROVED

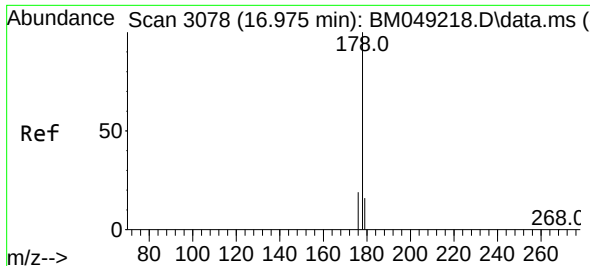
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#12
Fluorene
Concen: 0.664 ng/ul
RT: 15.238 min Scan# 2682
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

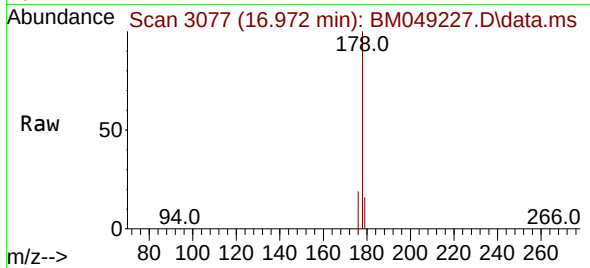
Tgt Ion:166 Resp: 23332
Ion Ratio Lower Upper
166 100
165 97.4 79.7 119.5
167 15.3 11.4 17.0





#15
Phenanthrene
Concen: 11.771 ng/ul
RT: 16.972 min Scan# 3078
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

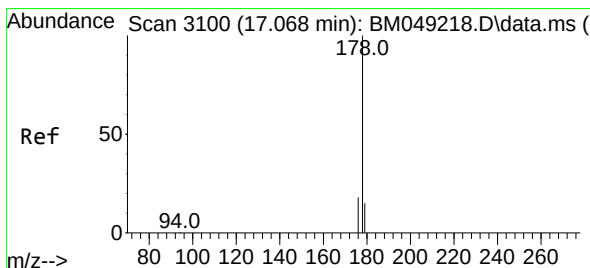
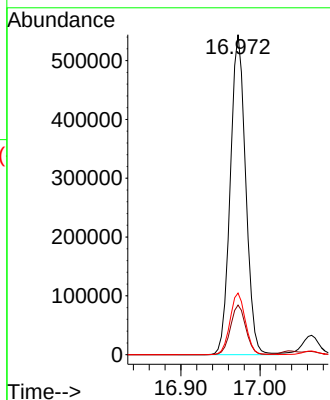
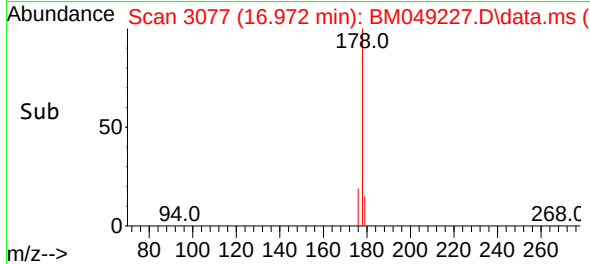
Instrument :
BNA_M
ClientSampleId :
E2906DL



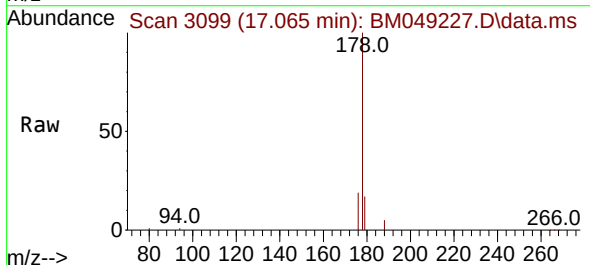
Tgt Ion:178 Resp: 732852
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.4
176 19.3 16.2 24.2

Manual Integrations
APPROVED

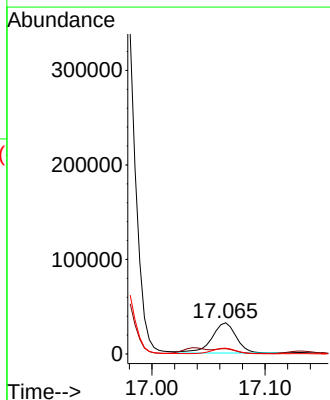
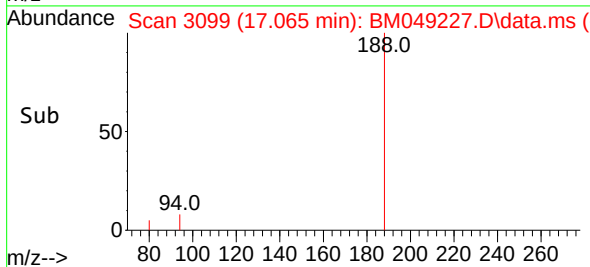
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

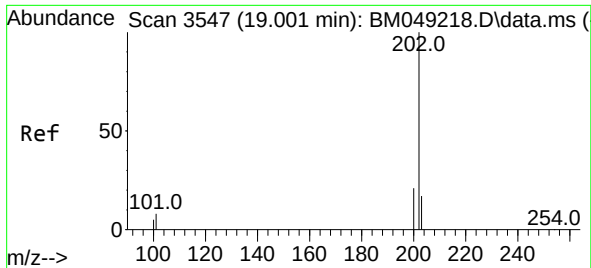


#16
Anthracene
Concen: 0.840 ng/ul
RT: 17.065 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



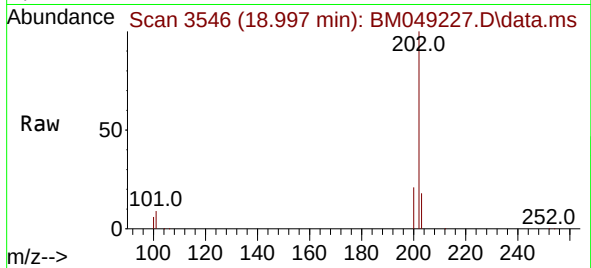
Tgt Ion:178 Resp: 47976
Ion Ratio Lower Upper
178 100
179 16.8 12.9 19.3
176 18.7 15.3 22.9





#19
Fluoranthene
Concen: 11.080 ng/u1
RT: 18.997 min Scan# 3546
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

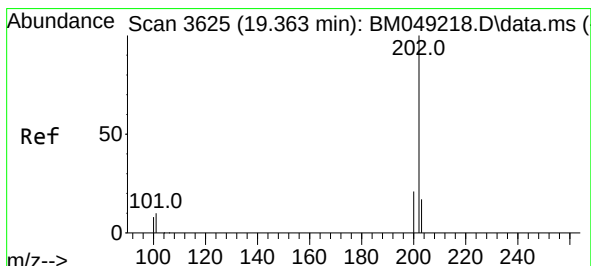
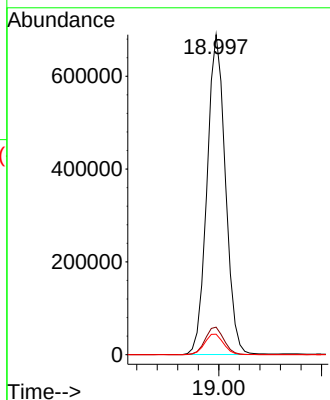
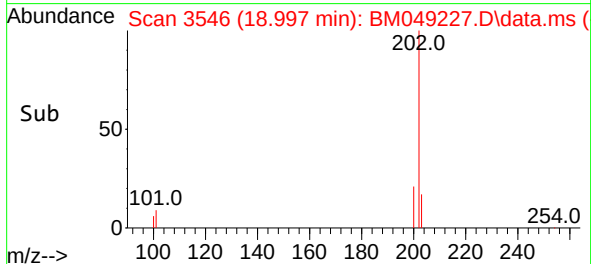
Instrument :
BNA_M
ClientSampleId :
E2906DL



Tgt Ion:202 Resp: 856028
Ion Ratio Lower Upper
202 100
101 8.6 7.6 11.4
100 6.4 5.5 8.3

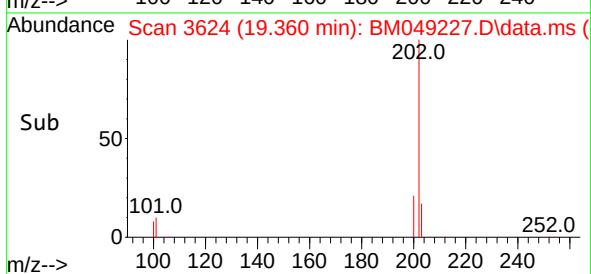
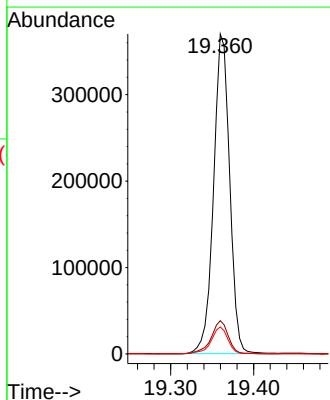
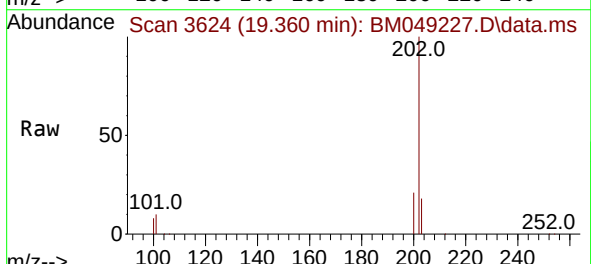
Manual Integrations
APPROVED

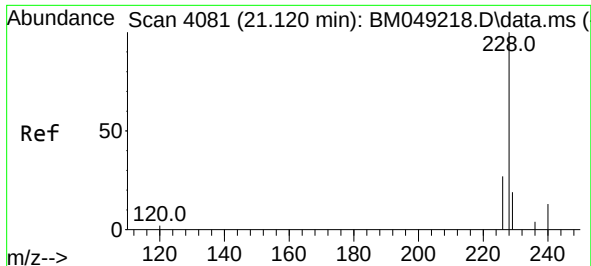
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#20
Pyrene
Concen: 6.030 ng/u1
RT: 19.360 min Scan# 3624
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

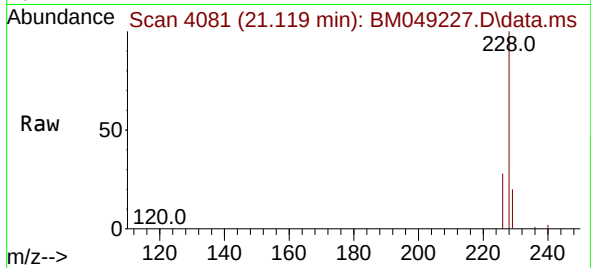
Tgt Ion:202 Resp: 496862
Ion Ratio Lower Upper
202 100
101 10.4 8.9 13.3
100 8.4 6.9 10.3





#21
Benzo(a)anthracene
Concen: 3.535 ng/ul
RT: 21.119 min Scan# 4081
Delta R.T. -0.000 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

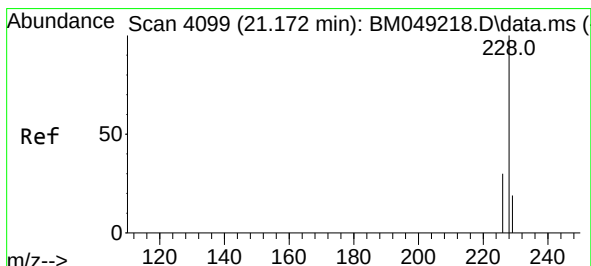
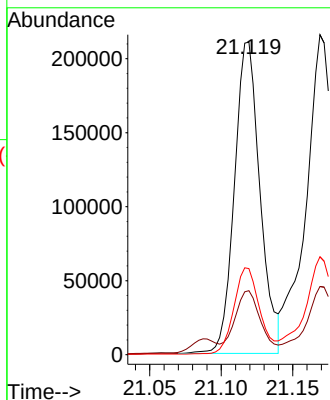
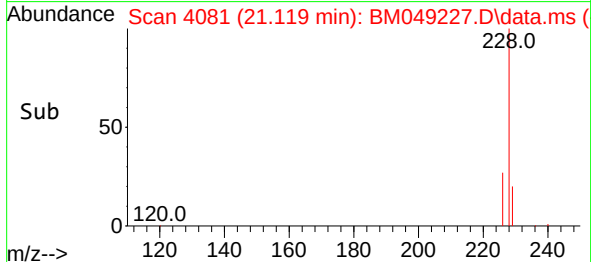
Instrument :
BNA_M
ClientSampleId :
E2906DL



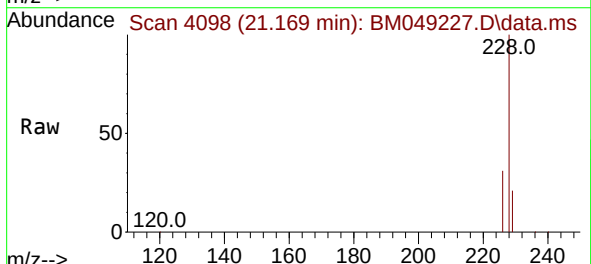
Tgt Ion:228 Resp: 262764
Ion Ratio Lower Upper
228 100
229 20.4 15.9 23.9
226 27.5 22.6 34.0

Manual Integrations
APPROVED

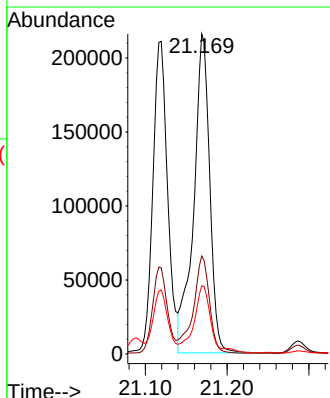
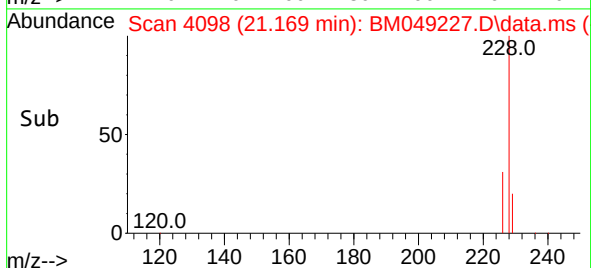
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

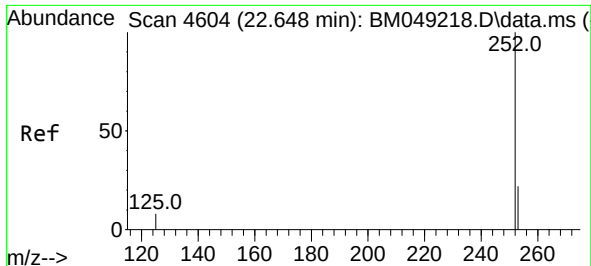


#22
Chrysene
Concen: 3.696 ng/ul
RT: 21.169 min Scan# 4098
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



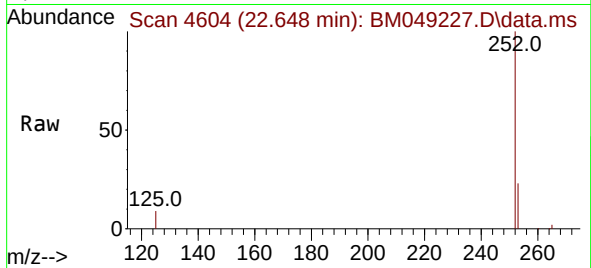
Tgt Ion:228 Resp: 294817
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 21.3 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 4.457 ng/ul m
RT: 22.648 min Scan# 4604
Delta R.T. -0.000 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

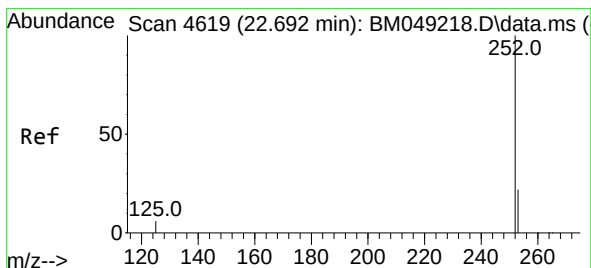
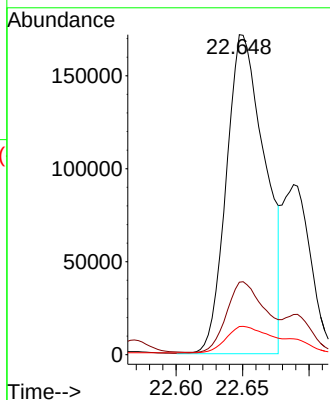
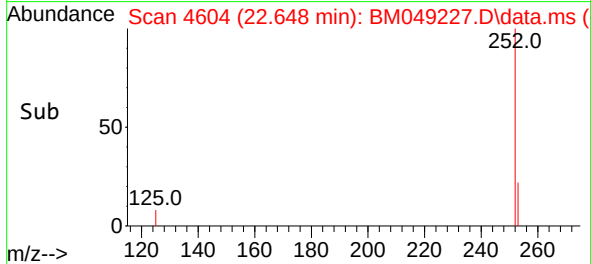
Instrument :
BNA_M
ClientSampleId :
E2906DL



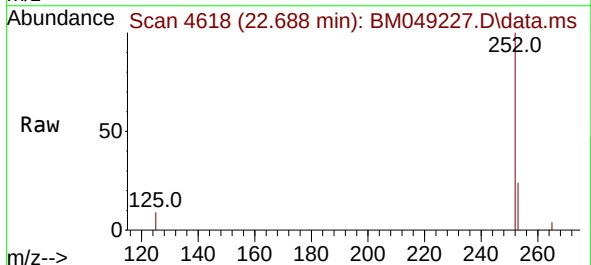
Tgt Ion:252 Resp: 346600
Ion Ratio Lower Upper
252 100
253 22.7 0.0 52.6
125 8.8 0.0 30.8

Manual Integrations
APPROVED

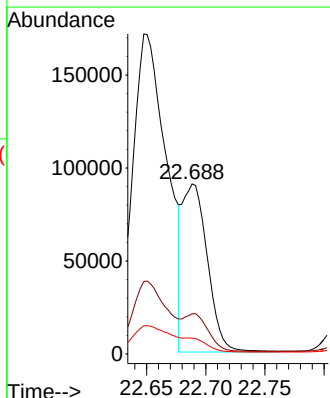
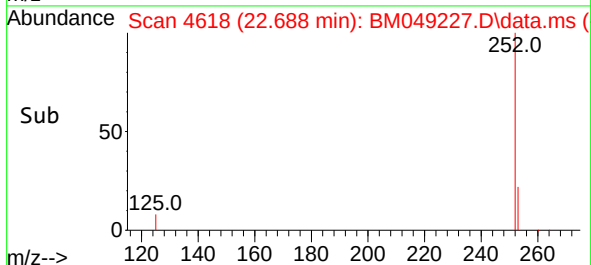
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

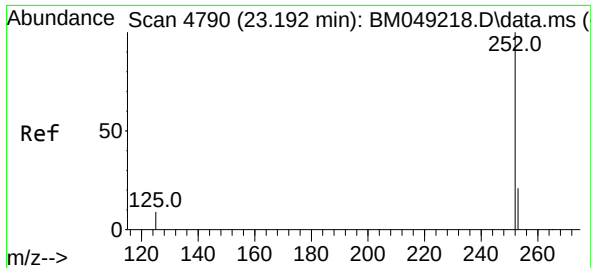


#25
Benzo(k)fluoranthene
Concen: 1.580 ng/ul m
RT: 22.688 min Scan# 4618
Delta R.T. -0.003 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



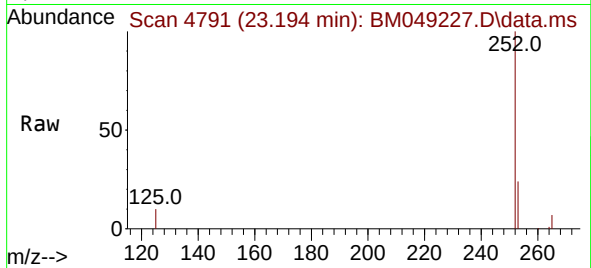
Tgt Ion:252 Resp: 134797
Ion Ratio Lower Upper
252 100
253 23.6 21.3 31.9
125 9.3 12.6 18.8#





#26
Benzo(a)pyrene
Concen: 1.419 ng/ul
RT: 23.194 min Scan# 4790
Delta R.T. 0.002 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

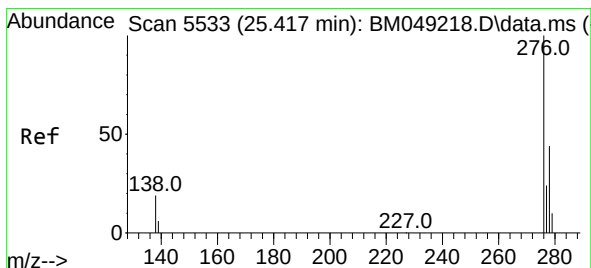
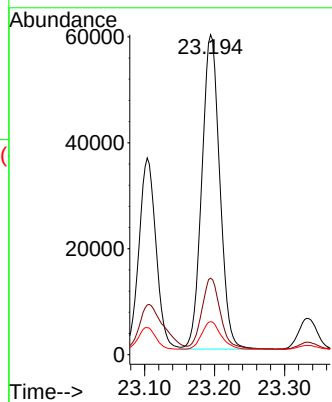
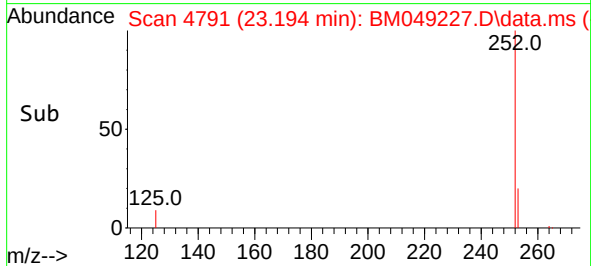
Instrument :
BNA_M
ClientSampleId :
E2906DL



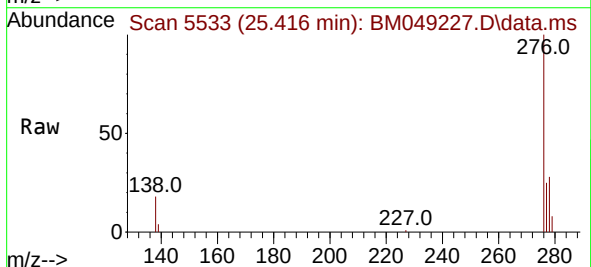
Tgt Ion:252 Resp: 105795
Ion Ratio Lower Upper
252 100
253 23.9 22.4 33.6
125 10.3 14.8 22.2

Manual Integrations
APPROVED

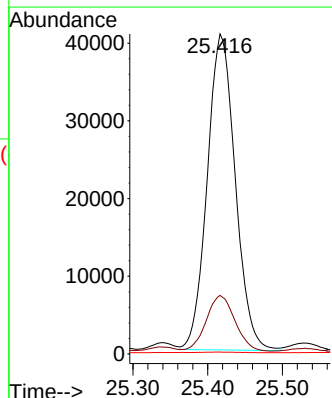
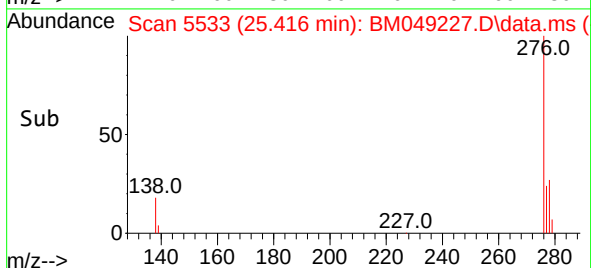
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

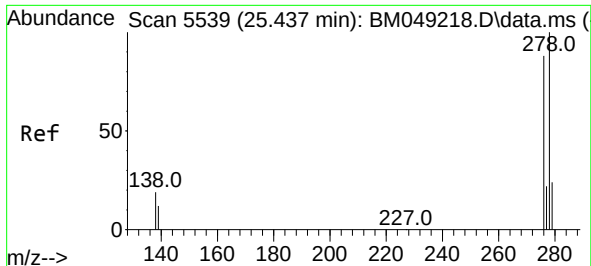


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.007 ng/ul
RT: 25.416 min Scan# 5533
Delta R.T. -0.000 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



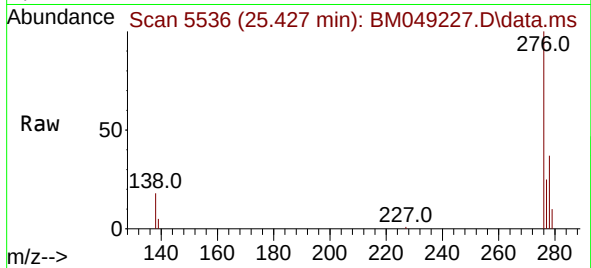
Tgt Ion:276 Resp: 106238
Ion Ratio Lower Upper
276 100
138 18.0 17.4 26.2
227 0.3 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.479 ng/ul
RT: 25.427 min Scan# 51
Delta R.T. -0.011 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47

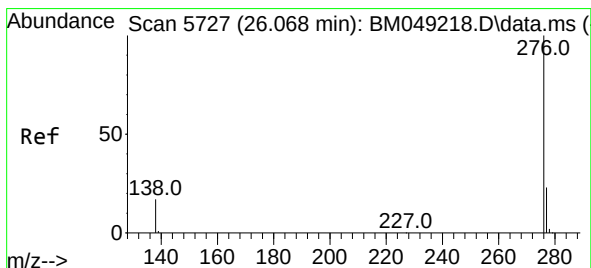
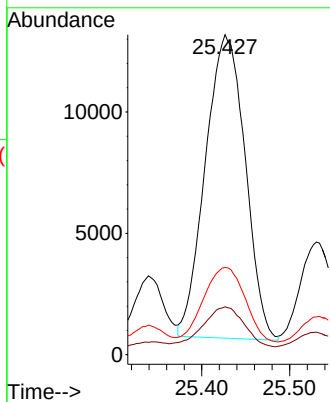
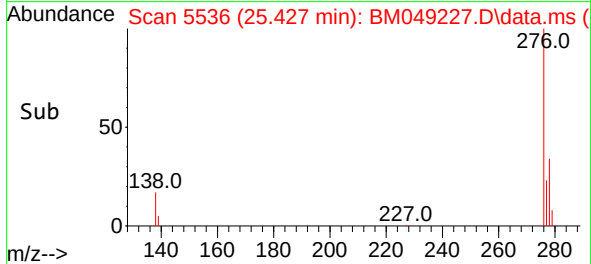
Instrument :
BNA_M
ClientSampleId :
E2906DL



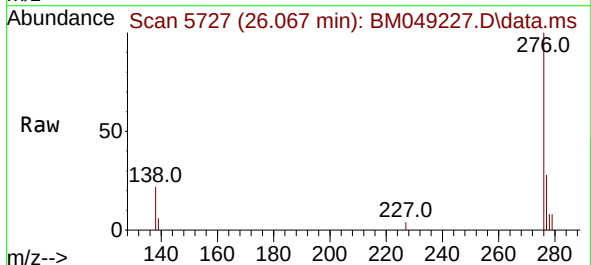
Tgt Ion:278 Resp: 3929
Ion Ratio Lower Upper
278 100
139 15.0 13.5 20.3
279 27.3 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024



#29
Benzo(g,h,i)perylene
Concen: 0.149 ng/ul
RT: 26.067 min Scan# 5727
Delta R.T. -0.000 min
Lab File: BM049227.D
Acq: 26 Dec 2024 15:47



Tgt Ion:276 Resp: 12640
Ion Ratio Lower Upper
276 100
138 21.9 16.7 25.1
277 27.5 19.9 29.9

