

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043246.D
 Acq On : 12 Dec 2023 03:23
 Operator : MA/JU
 Sample : 05675-09MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0AB0MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 03:54:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.009	152	11398	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	35972	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	19883	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	41175	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	27207	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	26036	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	2915	0.202	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	18311	0.359	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	38701	0.398	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	47072	3.259	ng/ul#	83
5) Naphthalene	10.862	128	45218	0.418	ng/ul	100
7) 2-Methylnaphthalene	12.467	142	26958	0.386	ng/ul	100
8) 1-Methylnaphthalene	12.687	142	25713	0.367	ng/ul	99
10) Acenaphthylene	14.352	152	41824	0.382	ng/ul	97
11) Acenaphthene	14.689	153	29966	0.376	ng/ul	98
12) Fluorene	15.675	166	34627	0.384	ng/ul	98
14) Pentachlorophenol	17.012	266	11166	1.224	ng/ul	99
15) Phenanthrene	17.409	178	55902	0.407	ng/ul	100
16) Anthracene	17.502	178	51526	0.413	ng/ul	100
19) Fluoranthene	19.417	202	61540	0.401	ng/ul	98
20) Pyrene	19.775	202	65009	0.427	ng/ul	99
21) Benzo(a)anthracene	21.518	228	52467	0.439	ng/ul	99
22) Chrysene	21.571	228	51465	0.408	ng/ul	100
24) Benzo(b)fluoranthene	23.214	252	46502	0.394	ng/ul	100
25) Benzo(k)fluoranthene	23.263	252	49463m	0.404	ng/ul	
26) Benzo(a)pyrene	23.842	252	40683	0.417	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.471	276	43417	0.391	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.498	278	34718	0.395	ng/ul	100
29) Benzo(g,h,i)perylene	27.243	276	35567	0.375	ng/ul	99

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

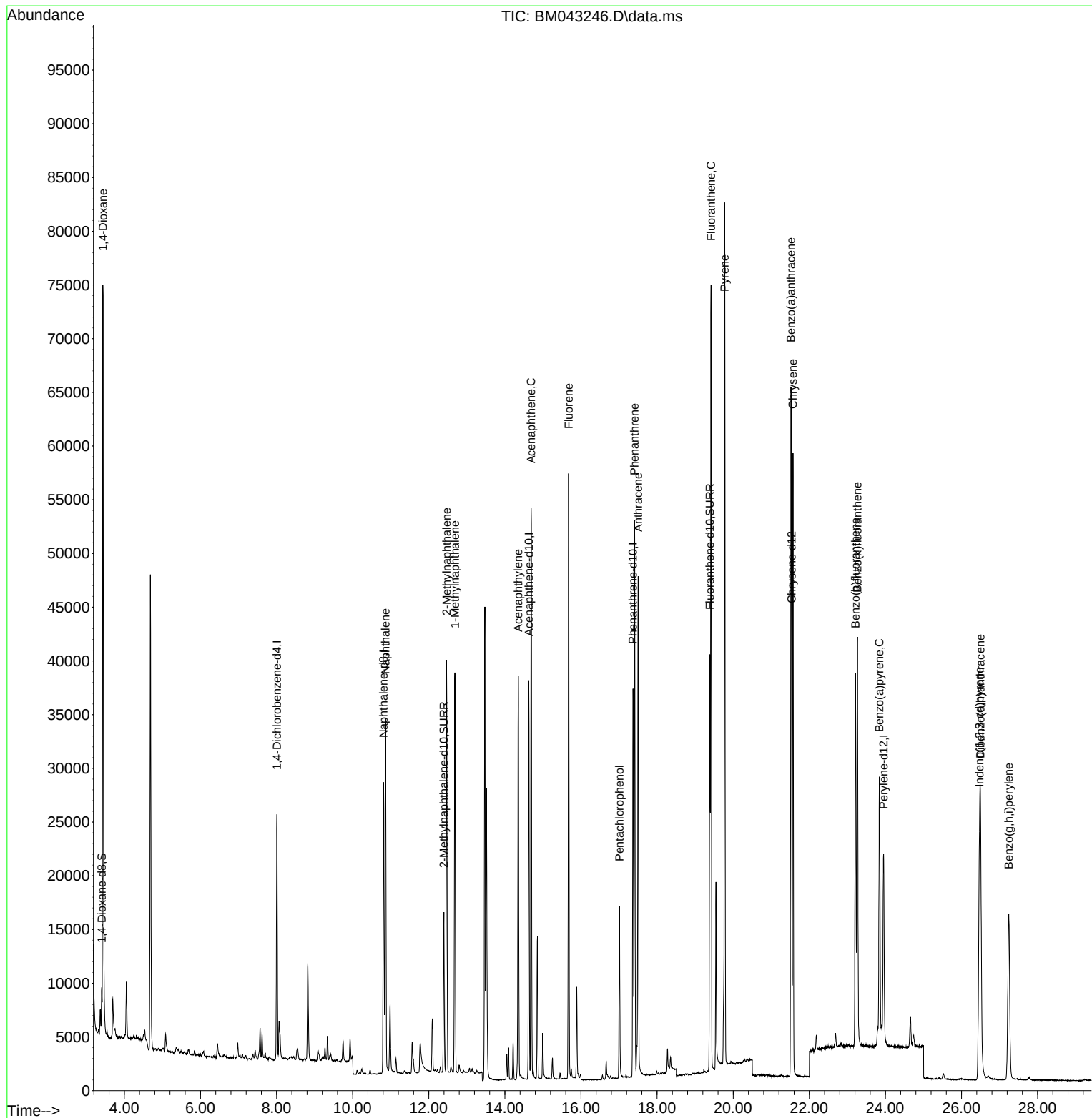
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
Data File : BM043246.D
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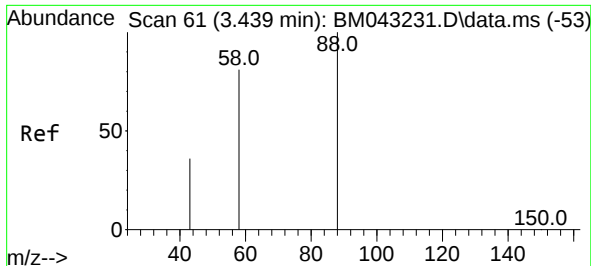
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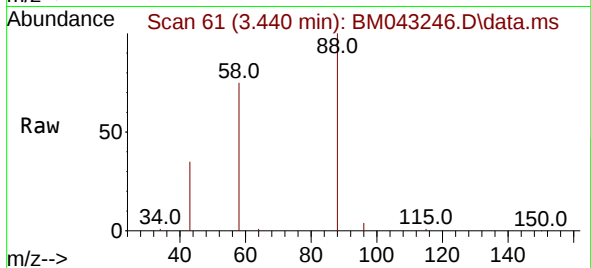
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#2
1,4-Dioxane
Concen: 3.259 ng/ul
RT: 3.440 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

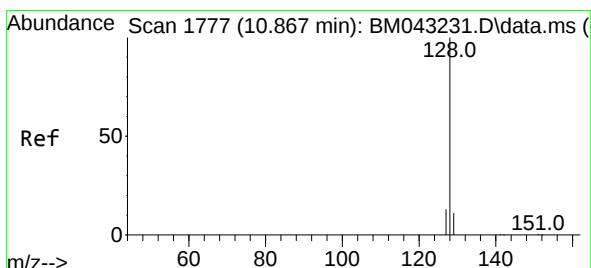
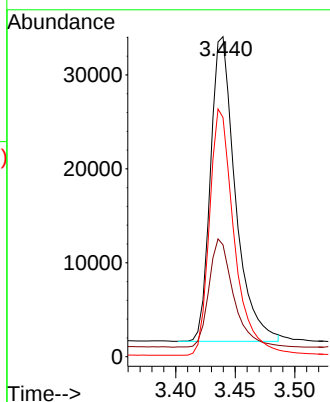
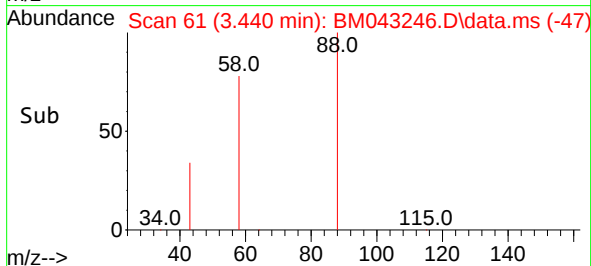
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



Tgt Ion: 88 Resp: 47072
Ion Ratio Lower Upper
88 100
43 35.0 27.9 41.9
58 74.7 43.4 65.2

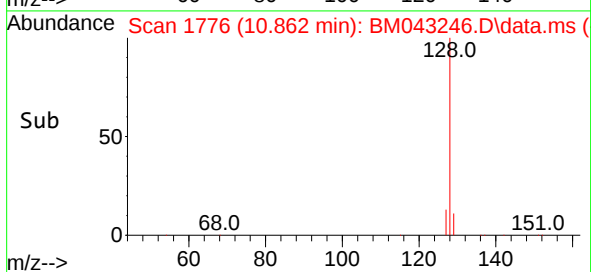
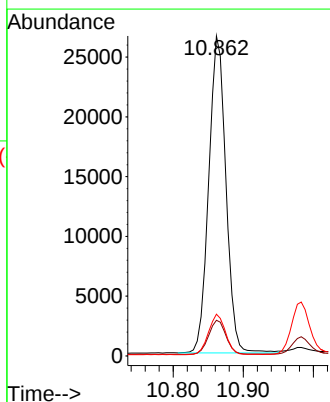
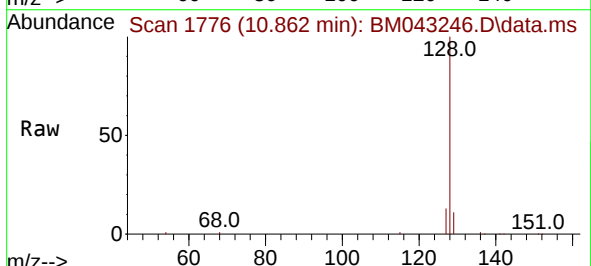
Manual Integrations
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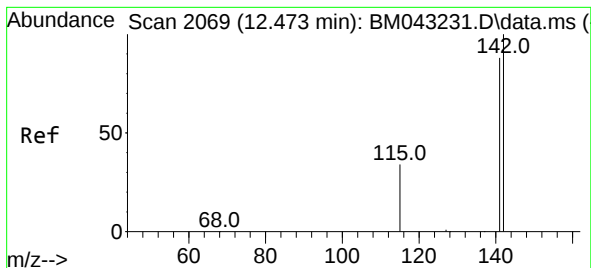
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
Naphthalene
Concen: 0.418 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. -0.005 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

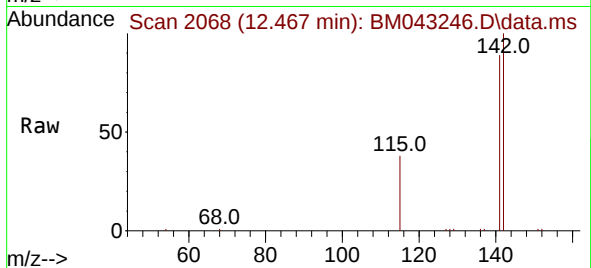
Tgt Ion:128 Resp: 45218
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.0 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.386 ng/ul
RT: 12.467 min Scan# 2068
Delta R.T. -0.005 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

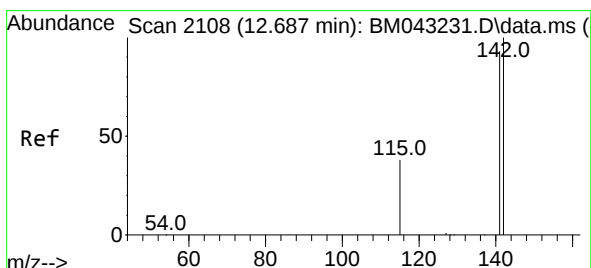
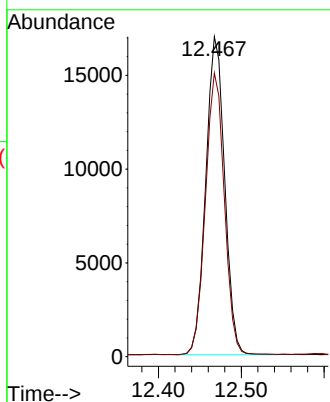
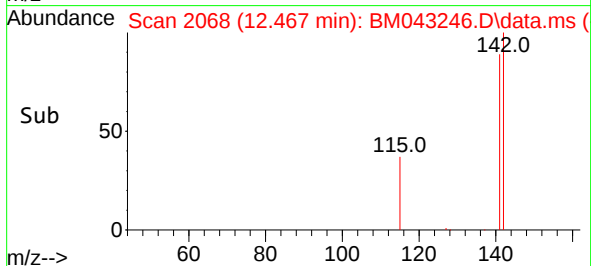
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



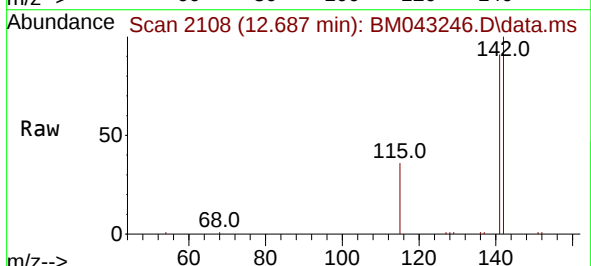
Tgt Ion:142 Resp: 26958
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3

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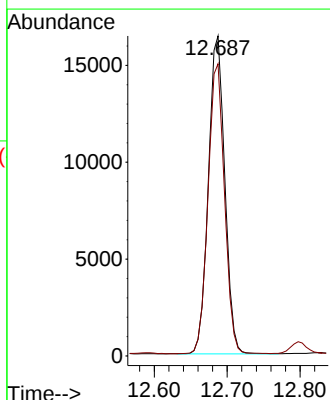
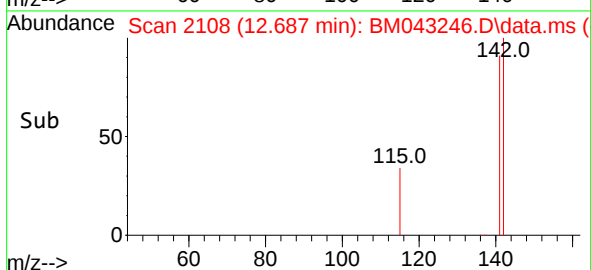
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

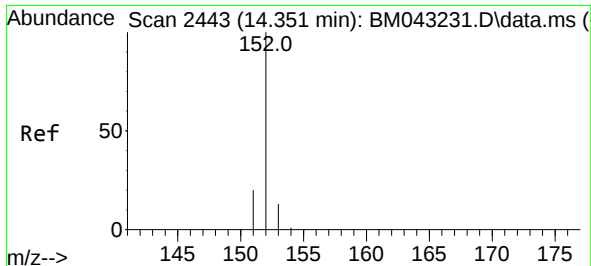


#8
1-Methylnaphthalene
Concen: 0.367 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23



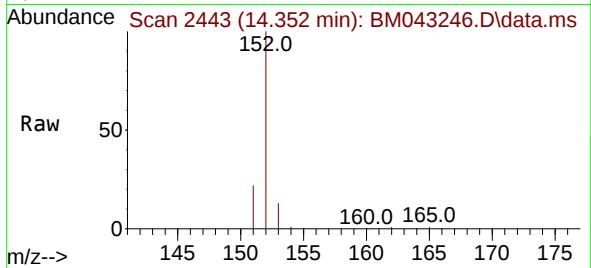
Tgt Ion:142 Resp: 25713
Ion Ratio Lower Upper
142 100
141 91.6 73.7 110.5





#10
Acenaphthylene
Concen: 0.382 ng/u1
RT: 14.352 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

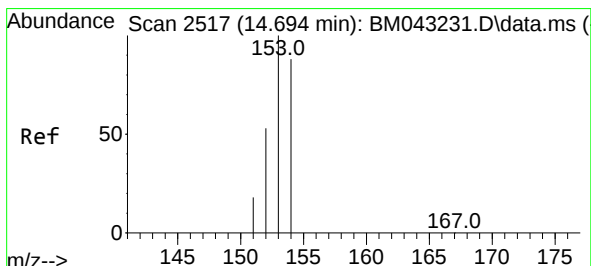
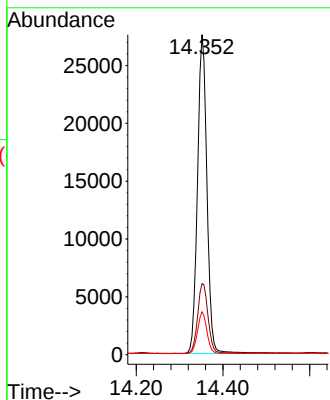
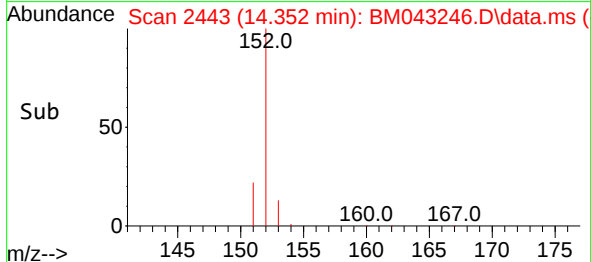
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



Tgt Ion:152 Resp: 41824
Ion Ratio Lower Upper
152 100
151 22.2 16.2 24.2
153 13.4 10.4 15.6

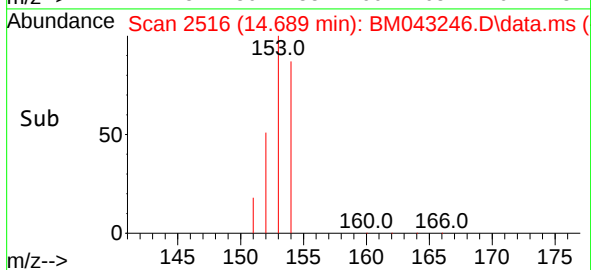
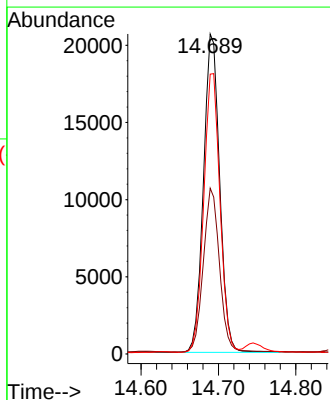
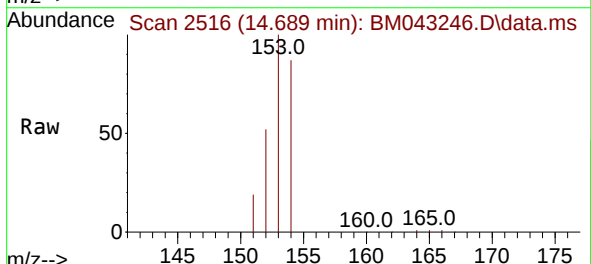
Manual Integrations
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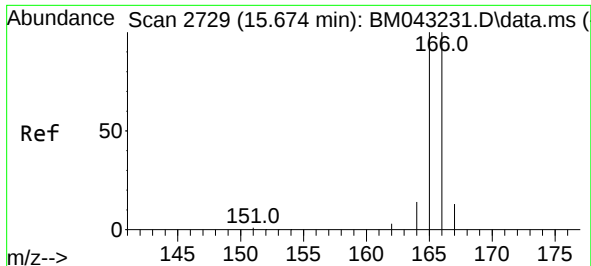
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#11
Acenaphthene
Concen: 0.376 ng/u1
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

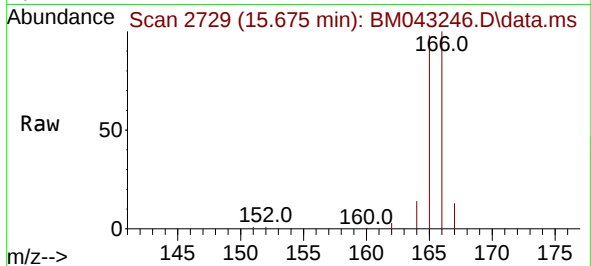
Tgt Ion:153 Resp: 29966
Ion Ratio Lower Upper
153 100
152 51.8 42.1 63.1
154 87.5 71.3 106.9





#12
Fluorene
Concen: 0.384 ng/ul
RT: 15.675 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

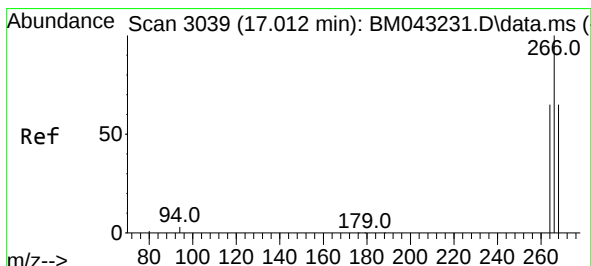
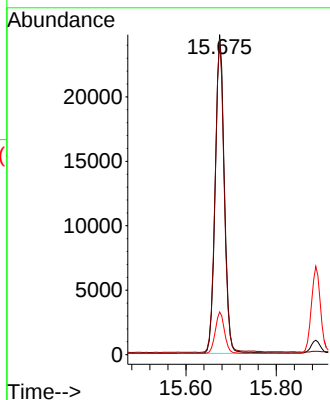
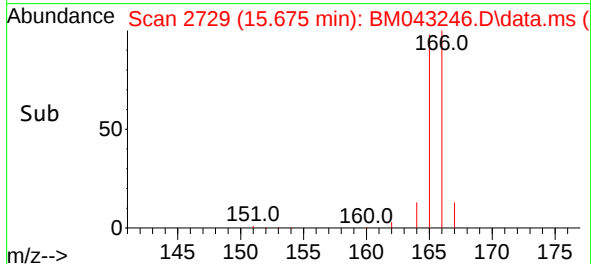
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



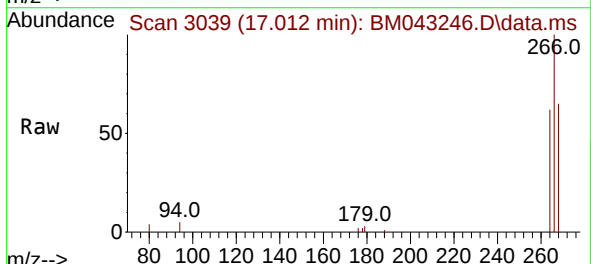
Tgt Ion:166 Resp: 3462
Ion Ratio Lower Upper
166 100
165 98.5 80.3 120.5
167 13.4 10.8 16.2

Manual Integrations
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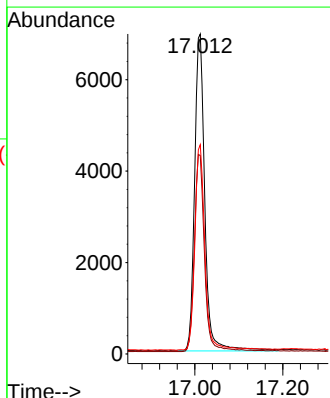
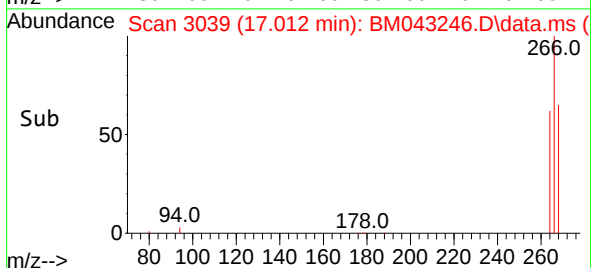
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

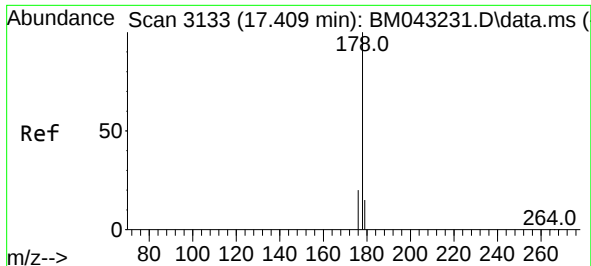


#14
Pentachlorophenol
Concen: 1.224 ng/ul
RT: 17.012 min Scan# 3039
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23



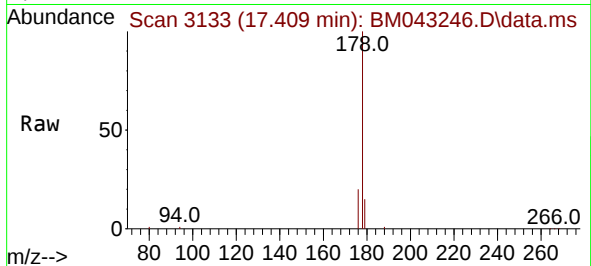
Tgt Ion:266 Resp: 11166
Ion Ratio Lower Upper
266 100
264 62.5 51.7 77.5
268 64.9 51.9 77.9





#15
Phenanthrene
Concen: 0.407 ng/u1
RT: 17.409 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

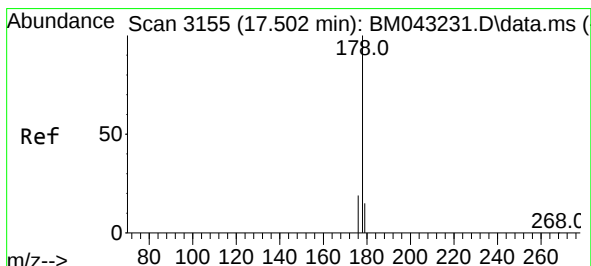
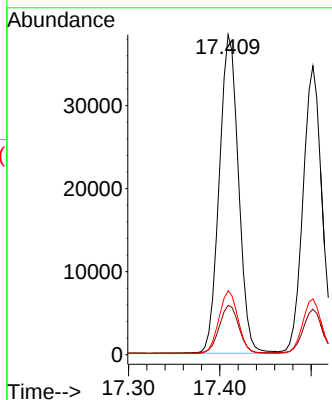
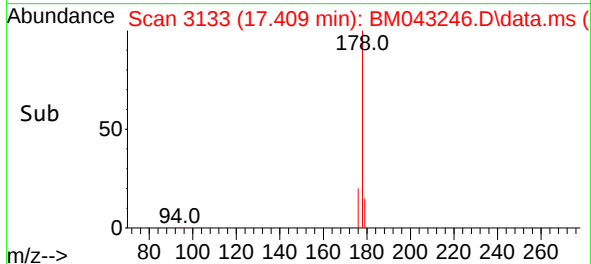
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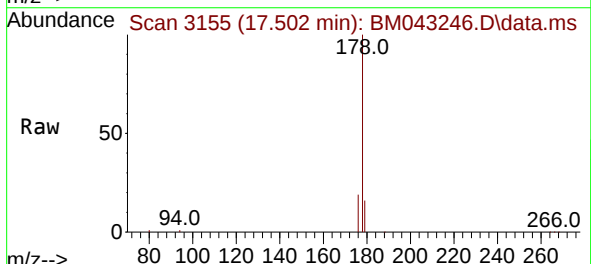
Tgt Ion:178 Resp: 55902
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 20.0 16.2 24.2

Manual Integrations
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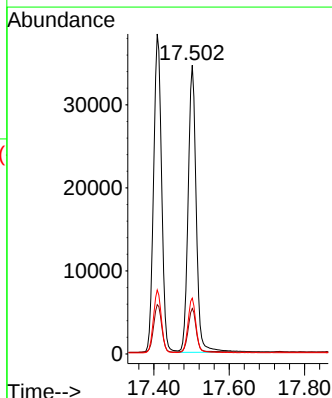
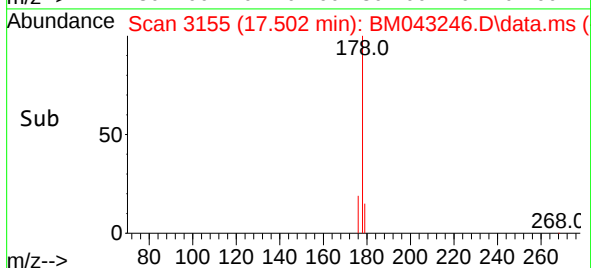
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

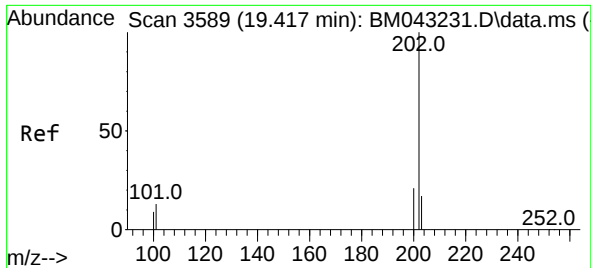


#16
Anthracene
Concen: 0.413 ng/u1
RT: 17.502 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23



Tgt Ion:178 Resp: 51526
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 19.4 15.6 23.4





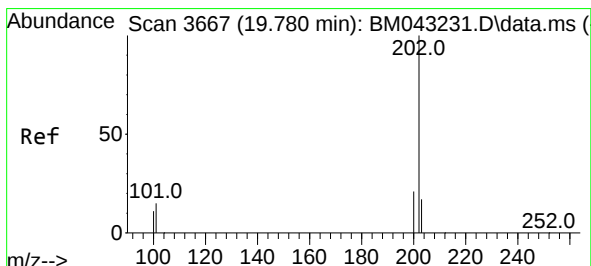
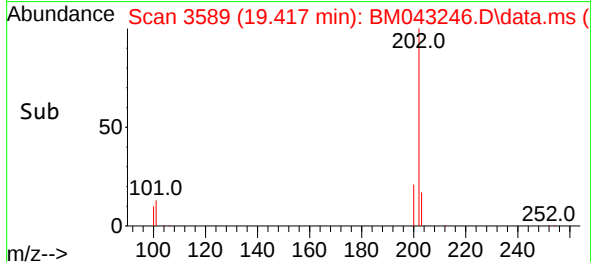
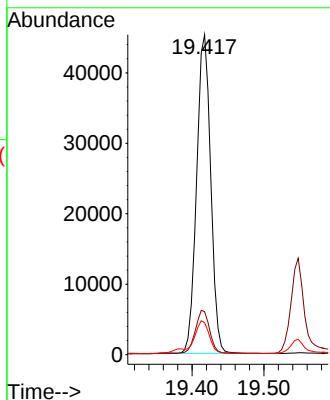
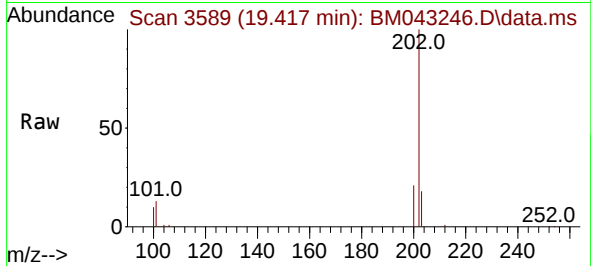
#19
Fluoranthene
Concen: 0.401 ng/u1
RT: 19.417 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

Instrument :
BNA_M
ClientSampleId :
H0AB0MSD

Tgt Ion:202 Resp: 61540
Ion Ratio Lower Upper
202 100
101 13.4 10.1 15.1
100 10.0 7.4 11.2

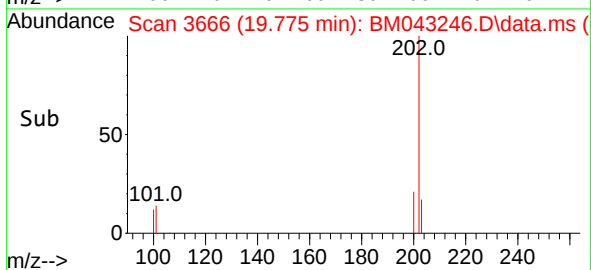
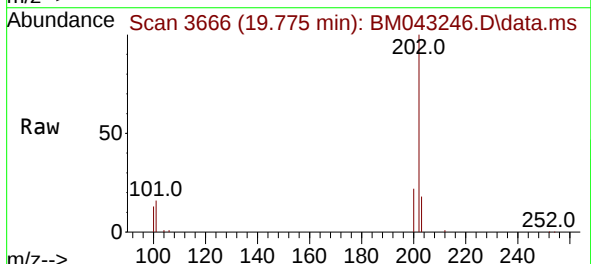
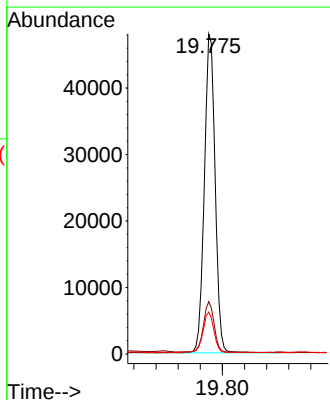
Manual Integrations
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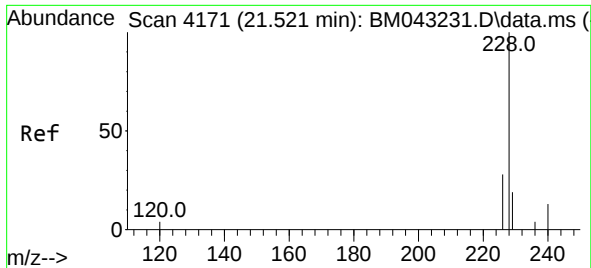
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#20
Pyrene
Concen: 0.427 ng/u1
RT: 19.775 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

Tgt Ion:202 Resp: 65009
Ion Ratio Lower Upper
202 100
101 16.3 12.7 19.1
100 13.1 9.8 14.8





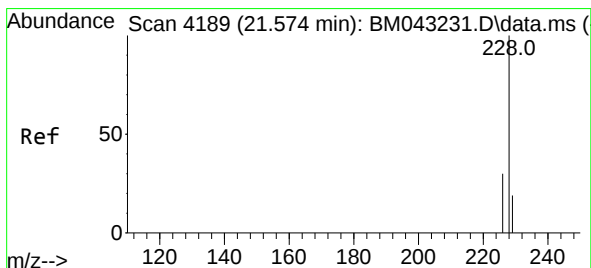
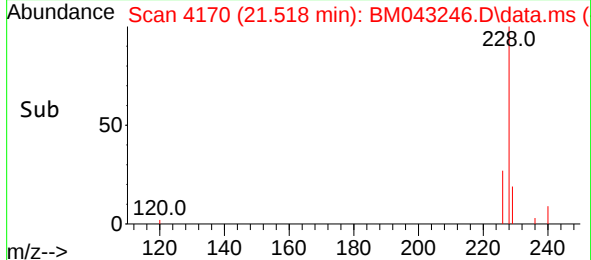
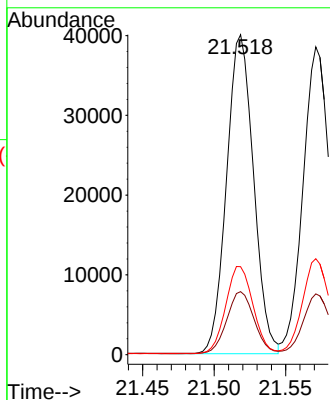
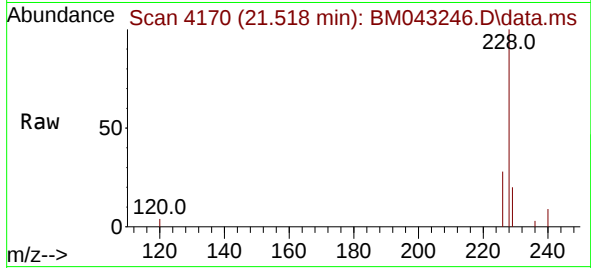
#21
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

Instrument :
BNA_M
ClientSampleId :
H0AB0MSD

Tgt Ion:228 Resp: 52465
Ion Ratio Lower Upper
228 100
229 19.7 15.5 23.3
226 27.5 22.6 34.0

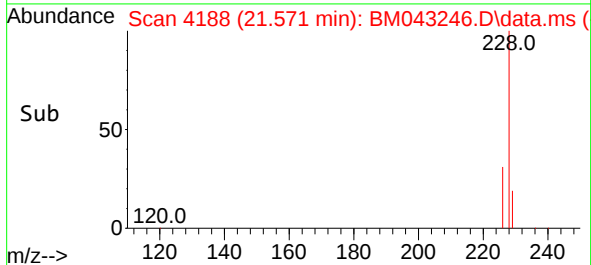
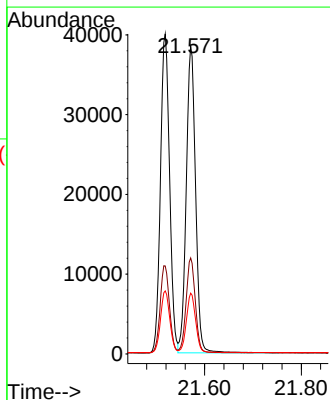
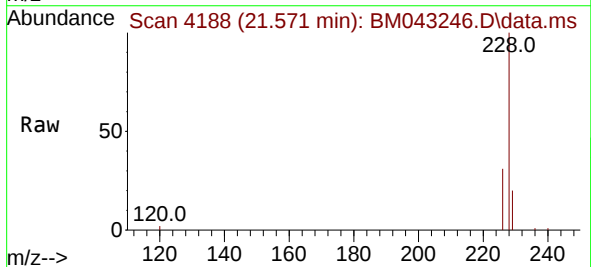
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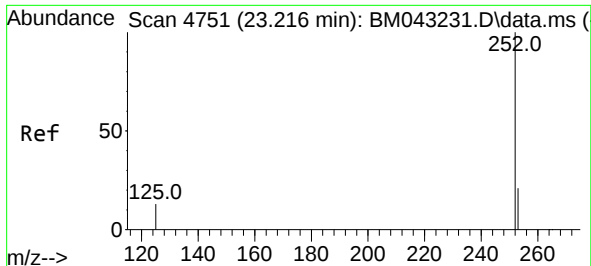
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Chrysene
Concen: 0.408 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

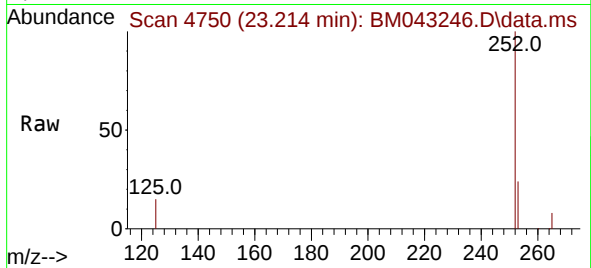
Tgt Ion:228 Resp: 51465
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 19.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.394 ng/ul
RT: 23.214 min Scan# 4750
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

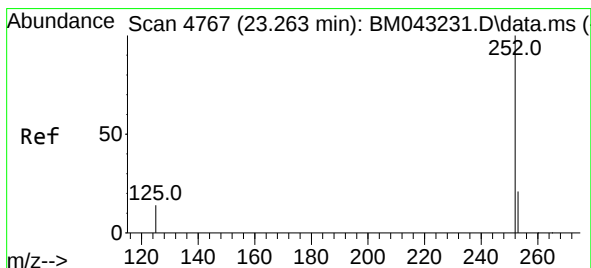
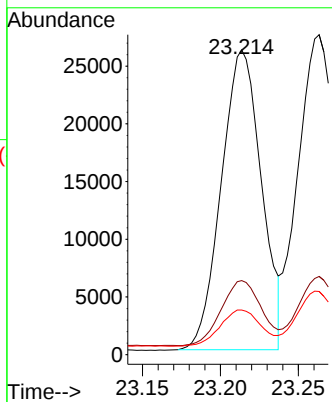
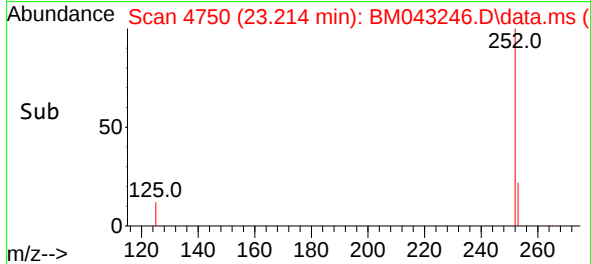
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



Tgt Ion:252 Resp: 46502
Ion Ratio Lower Upper
252 100
253 24.3 0.0 48.8
125 14.7 0.0 29.2

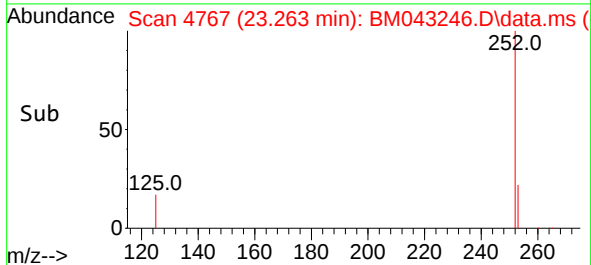
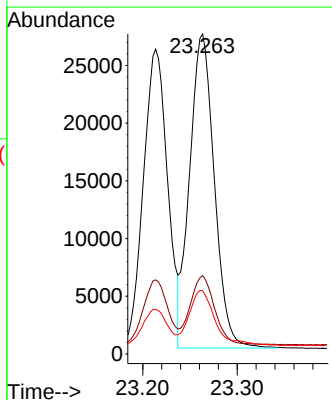
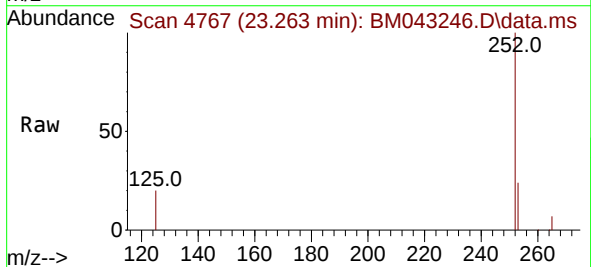
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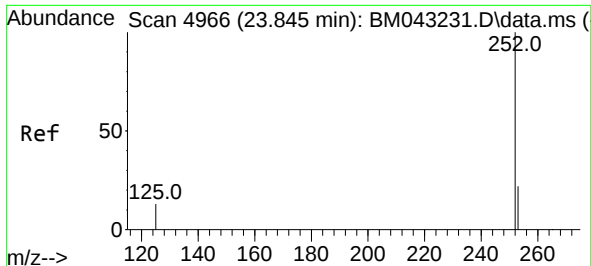
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#25
Benzo(k)fluoranthene
Concen: 0.404 ng/ul m
RT: 23.263 min Scan# 4767
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

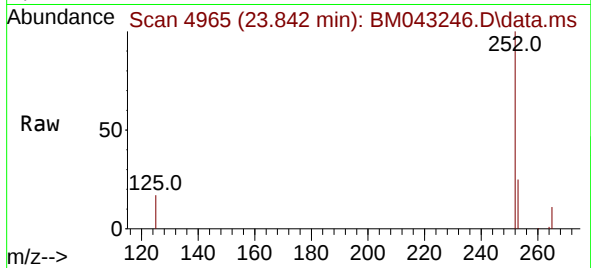
Tgt Ion:252 Resp: 49463
Ion Ratio Lower Upper
252 100
253 24.4 18.6 28.0
125 19.7 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 0.417 ng/ul
RT: 23.842 min Scan# 4966
Delta R.T. -0.003 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

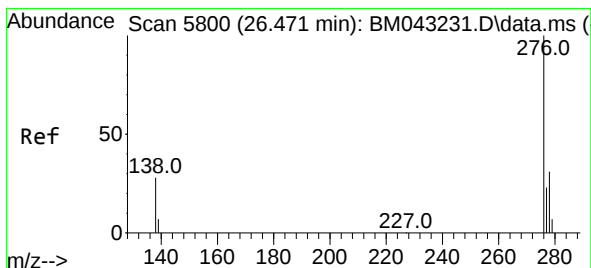
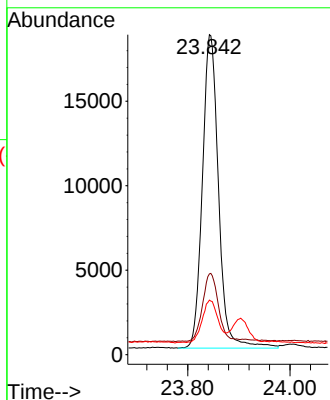
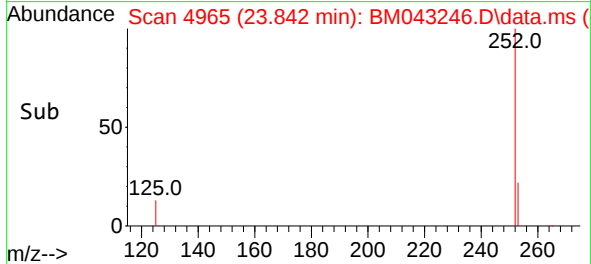
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



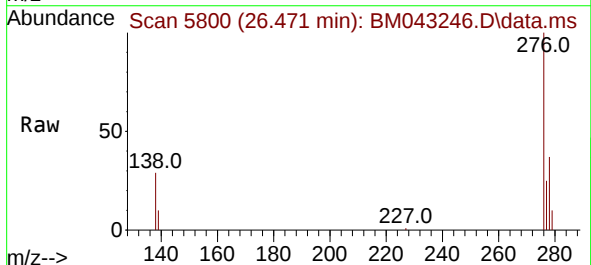
Tgt Ion:252 Resp: 4068
Ion Ratio Lower Upper
252 100
253 25.3 20.2 30.2
125 17.1 13.5 20.3

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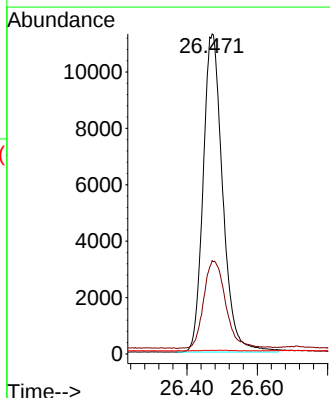
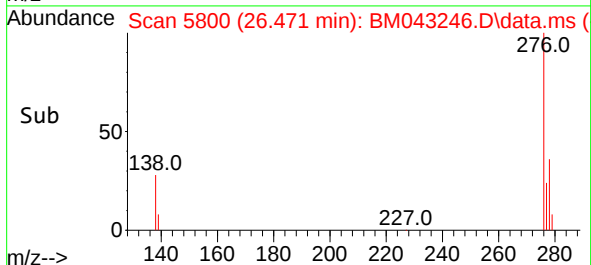
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

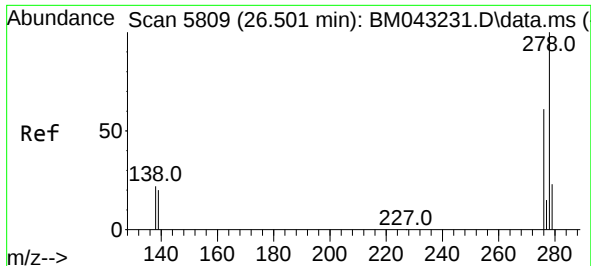


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng/ul
RT: 26.471 min Scan# 5800
Delta R.T. 0.000 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23



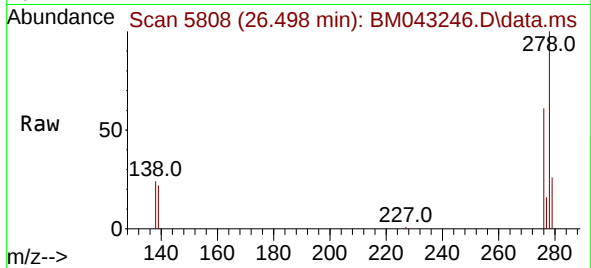
Tgt Ion:276 Resp: 43417
Ion Ratio Lower Upper
276 100
138 31.1 24.6 36.8
227 0.0 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.395 ng/ul
RT: 26.498 min Scan# 5808
Delta R.T. -0.003 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

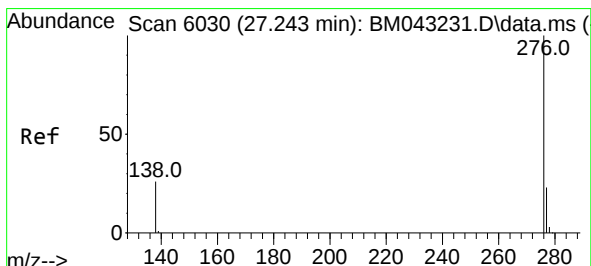
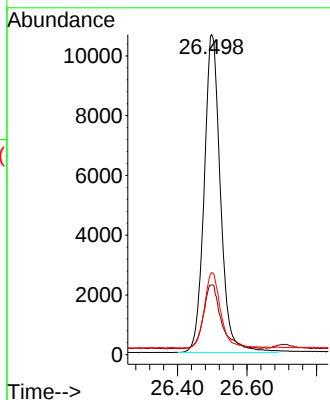
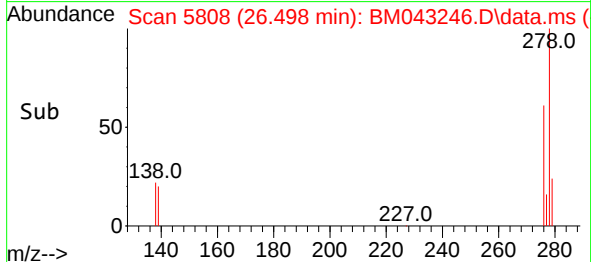
Instrument :
BNA_M
ClientSampleId :
H0AB0MSD



Tgt Ion:278 Resp: 34718
Ion Ratio Lower Upper
278 100
139 21.8 17.4 26.2
279 25.7 20.9 31.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#29
Benzo(g,h,i)perylene
Concen: 0.375 ng/ul
RT: 27.243 min Scan# 6030
Delta R.T. 0.003 min
Lab File: BM043246.D
Acq: 12 Dec 2023 03:23

Tgt Ion:276 Resp: 35567
Ion Ratio Lower Upper
276 100
138 28.0 23.1 34.7
277 24.1 19.4 29.0

