

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043245.D
 Acq On : 12 Dec 2023 02:47
 Operator : MA/JU
 Sample : 05675-08MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0AB0MS

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:20:18 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	11045	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	34818	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	19385	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	40313	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	27073	0.400	ng/ul	0.00
23) Perylene-d12	23.950	264	26318	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	2800	0.201	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	16499	0.334	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	35899	0.371	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.435	88	43279	3.092	ng/ul#	77
5) Naphthalene	10.862	128	40892	0.391	ng/ul	100
7) 2-Methylnaphthalene	12.467	142	24382	0.361	ng/ul	100
8) 1-Methylnaphthalene	12.687	142	23460	0.346	ng/ul	99
10) Acenaphthylene	14.352	152	38215	0.358	ng/ul	97
11) Acenaphthene	14.689	153	27456	0.354	ng/ul	98
12) Fluorene	15.675	166	31520	0.358	ng/ul	99
14) Pentachlorophenol	17.012	266	10177	1.139	ng/ul	98
15) Phenanthrene	17.409	178	51391	0.382	ng/ul	100
16) Anthracene	17.502	178	47336	0.388	ng/ul	99
19) Fluoranthene	19.417	202	56880	0.372	ng/ul	99
20) Pyrene	19.775	202	60144	0.397	ng/ul	99
21) Benzo(a)anthracene	21.515	228	49155	0.414	ng/ul	100
22) Chrysene	21.571	228	47991	0.383	ng/ul	100
24) Benzo(b)fluoranthene	23.211	252	44803	0.375	ng/ul	99
25) Benzo(k)fluoranthene	23.260	252	46856m	0.378	ng/ul	
26) Benzo(a)pyrene	23.839	252	39123	0.397	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.472	276	42234	0.376	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.499	278	33782	0.380	ng/ul	99
29) Benzo(g,h,i)perylene	27.236	276	34364	0.359	ng/ul	98

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

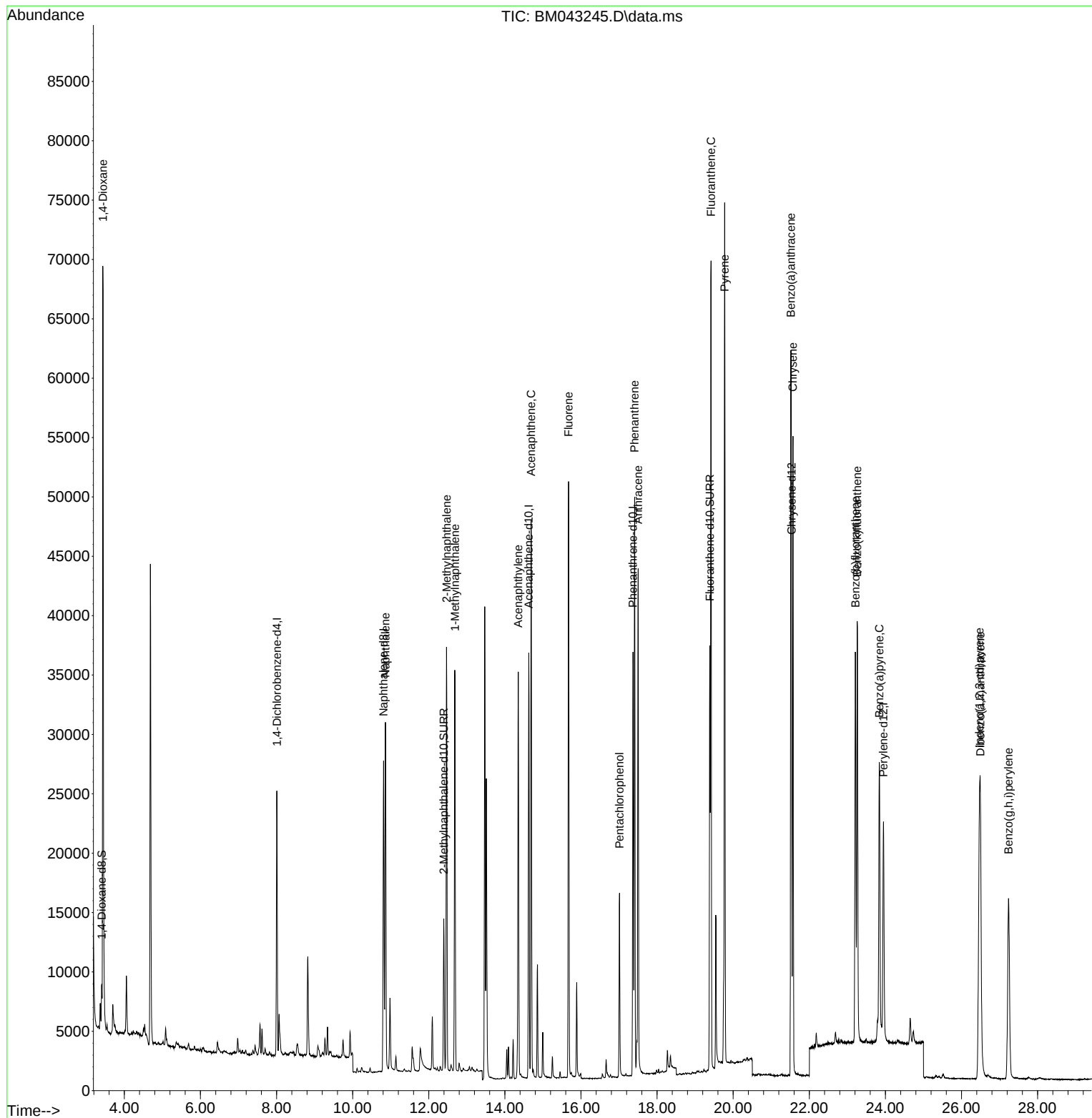
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
Data File : BM043245.D
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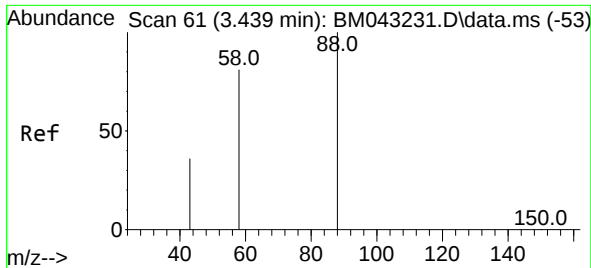
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
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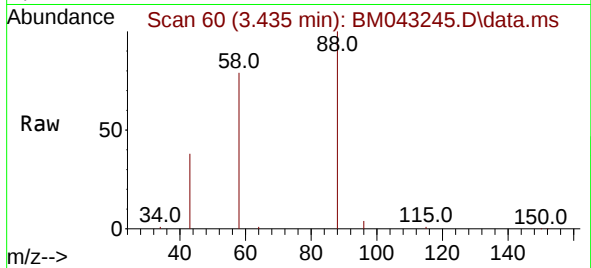
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#2
1,4-Dioxane
Concen: 3.092 ng/ul
RT: 3.435 min Scan# 60
Delta R.T. -0.004 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

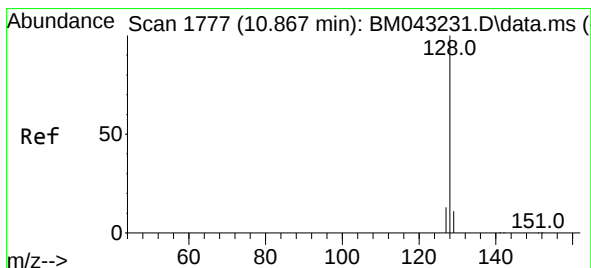
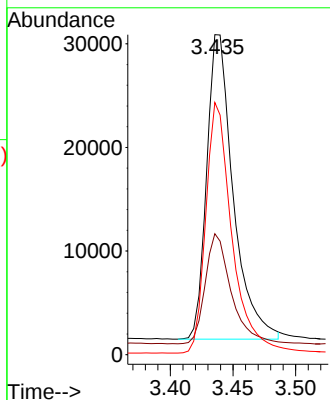
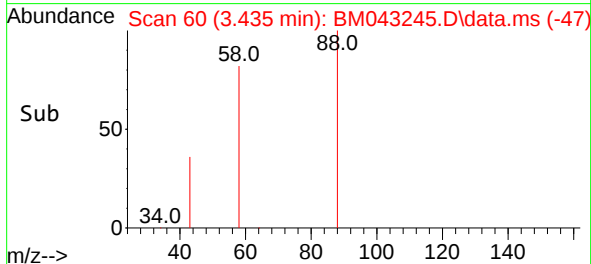
Instrument :
BNA_M
ClientSampleId :
H0AB0MS



Tgt Ion: 88 Resp: 43279
Ion Ratio Lower Upper
88 100
43 37.8 27.9 41.9
58 78.8 43.4 65.2

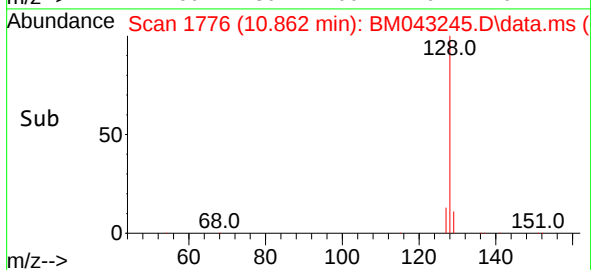
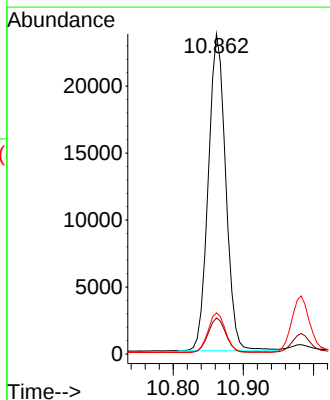
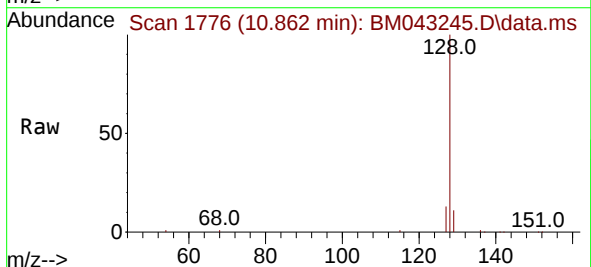
Manual Integrations
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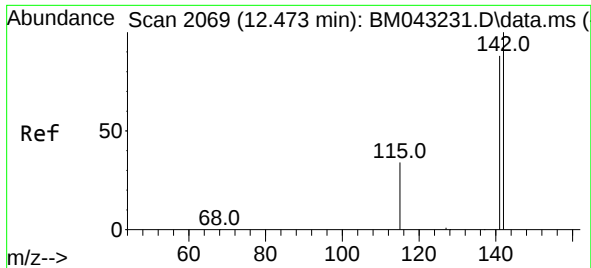
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
Naphthalene
Concen: 0.391 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. -0.005 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

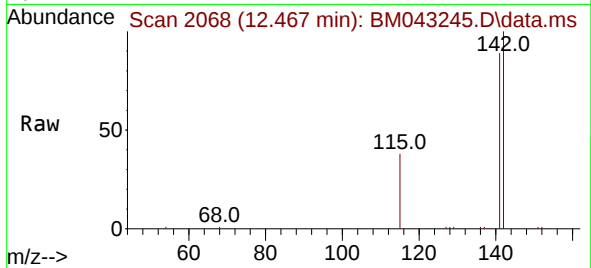
Tgt Ion:128 Resp: 40892
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.9 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.361 ng/ul
RT: 12.467 min Scan# 2068
Delta R.T. -0.005 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

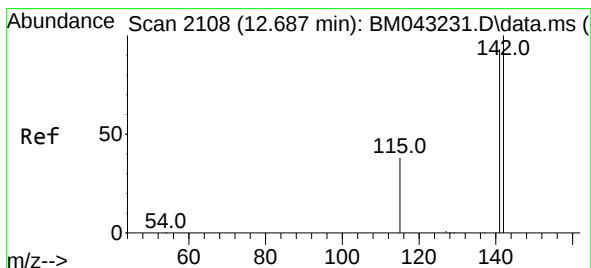
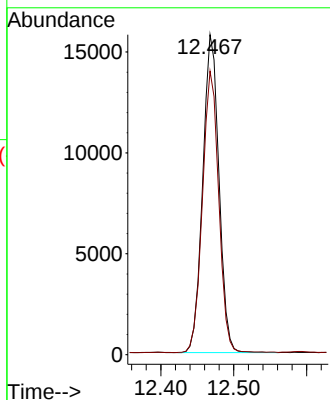
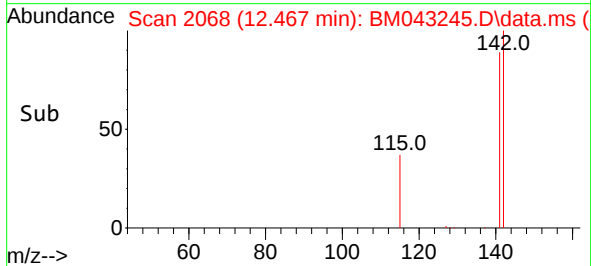
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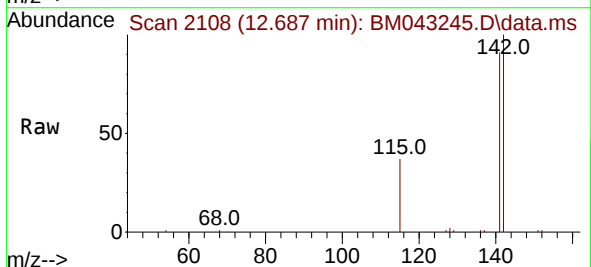
Tgt Ion:142 Resp: 2438
Ion Ratio Lower Upper
142 100
141 88.9 70.9 106.3

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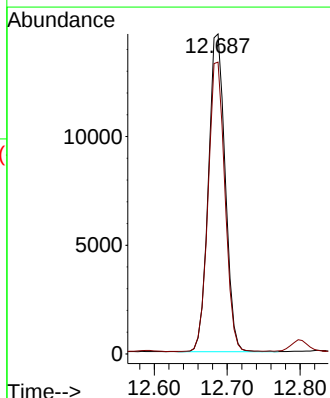
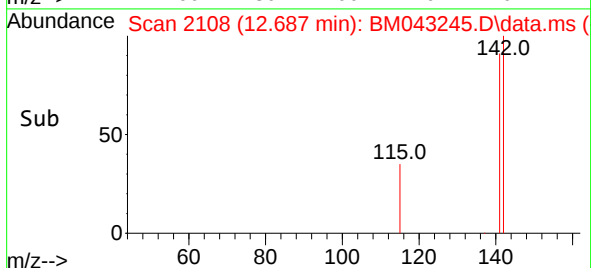
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

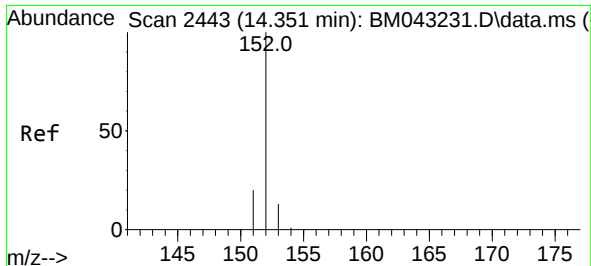


#8
1-Methylnaphthalene
Concen: 0.346 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



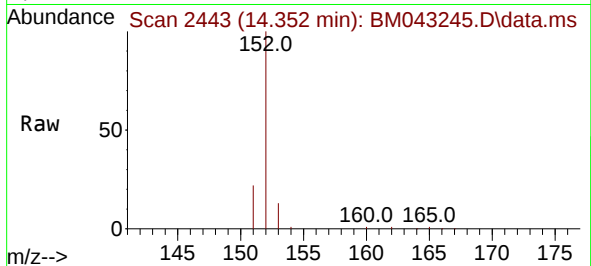
Tgt Ion:142 Resp: 23460
Ion Ratio Lower Upper
142 100
141 91.1 73.7 110.5





#10
Acenaphthylene
Concen: 0.358 ng/ul
RT: 14.352 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

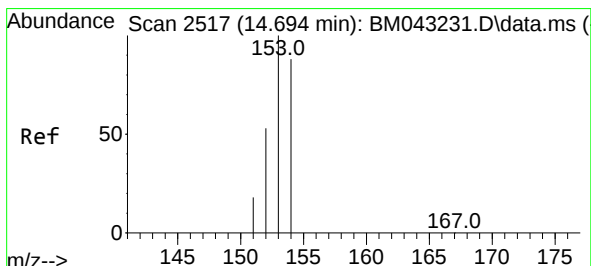
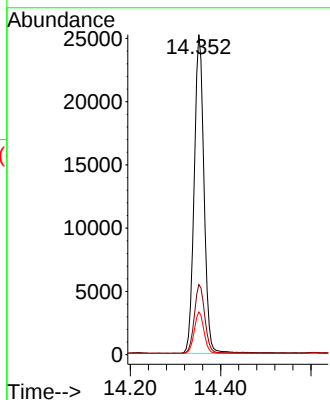
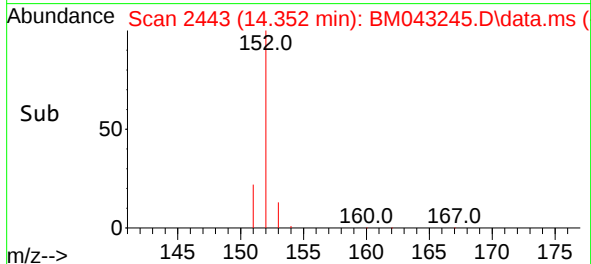
Instrument :
BNA_M
ClientSampleId :
H0AB0MS



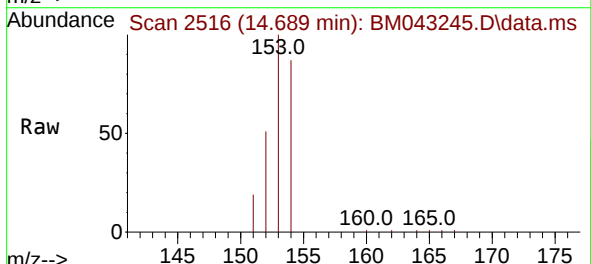
Tgt Ion:152 Resp: 38215
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.2
153 13.4 10.4 15.6

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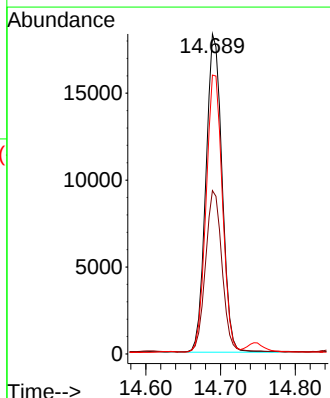
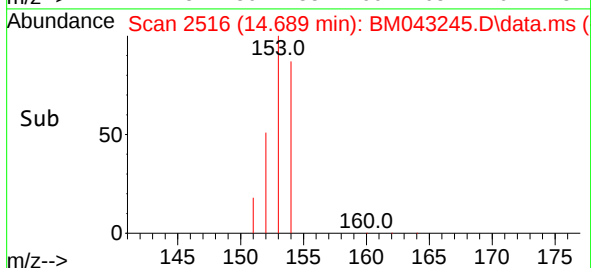
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

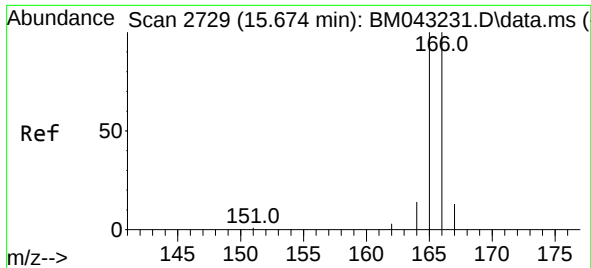


#11
Acenaphthene
Concen: 0.354 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



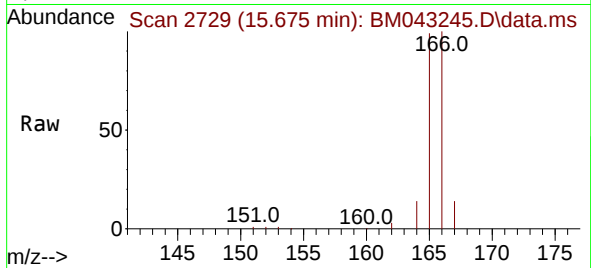
Tgt Ion:153 Resp: 27456
Ion Ratio Lower Upper
153 100
152 51.1 42.1 63.1
154 87.2 71.3 106.9





#12
Fluorene
Concen: 0.358 ng/ul
RT: 15.675 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

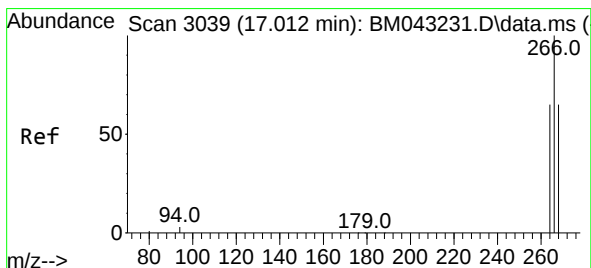
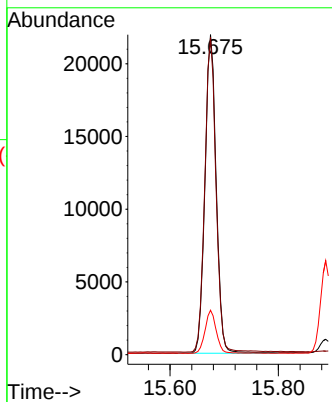
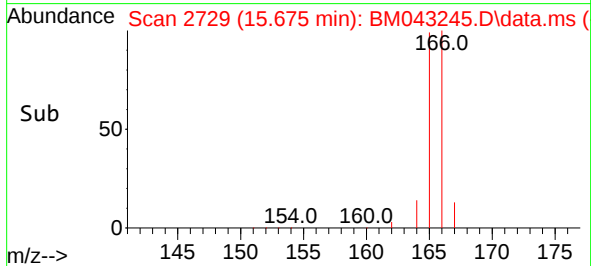
Instrument :
BNA_M
ClientSampleId :
H0AB0MS



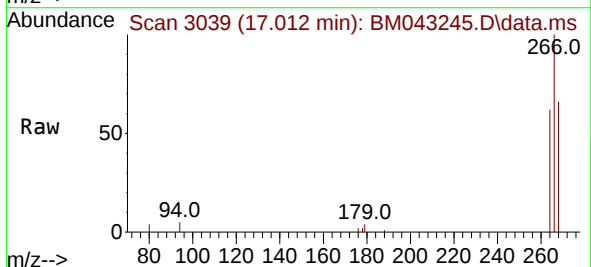
Tgt Ion:166 Resp: 31520
Ion Ratio Lower Upper
166 100
165 99.2 80.3 120.5
167 13.9 10.8 16.2

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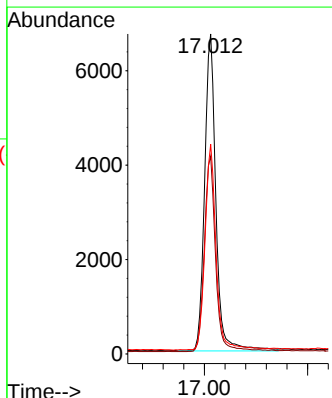
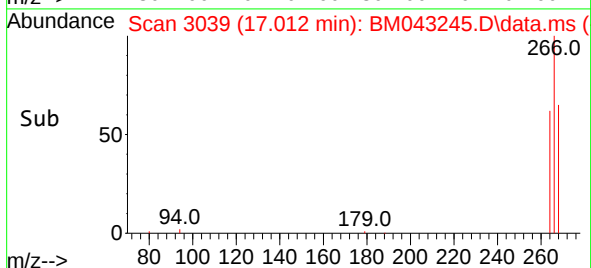
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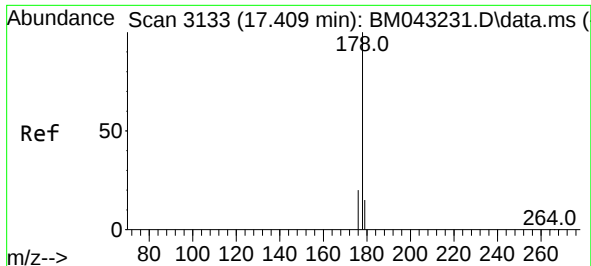


#14
Pentachlorophenol
Concen: 1.139 ng/ul
RT: 17.012 min Scan# 3039
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



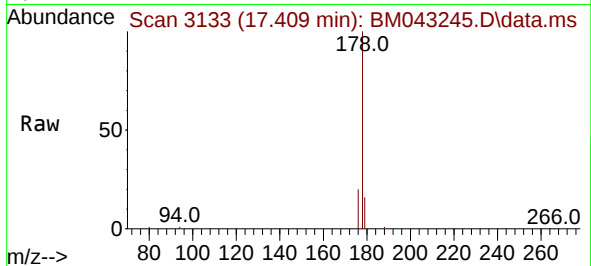
Tgt Ion:266 Resp: 10177
Ion Ratio Lower Upper
266 100
264 62.6 51.7 77.5
268 63.9 51.9 77.9





#15
Phenanthrene
Concen: 0.382 ng/u1
RT: 17.409 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

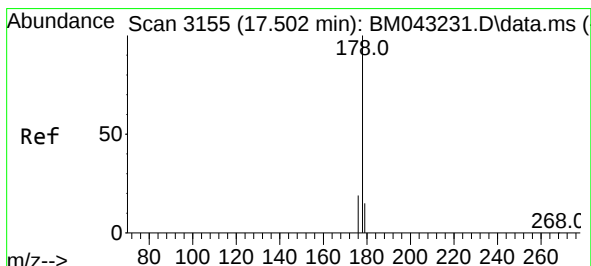
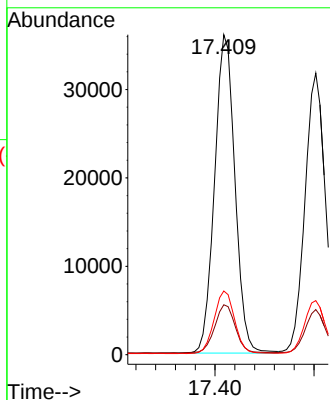
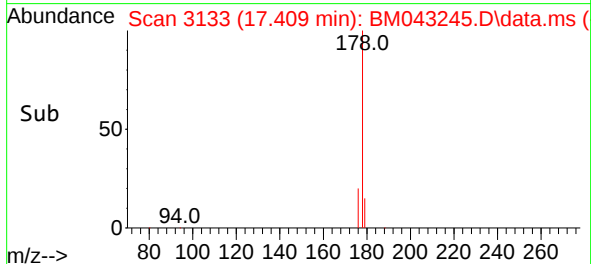
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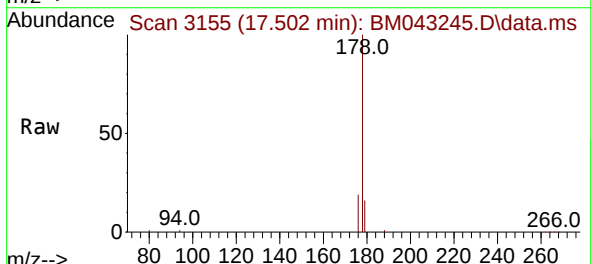
Tgt Ion:178 Resp: 5139
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.9 16.2 24.2

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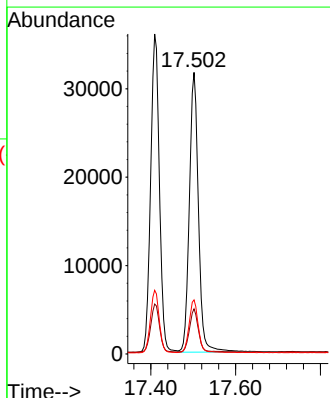
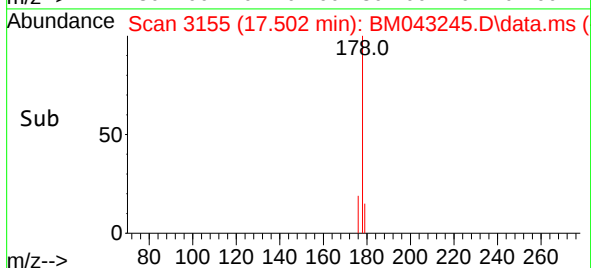
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

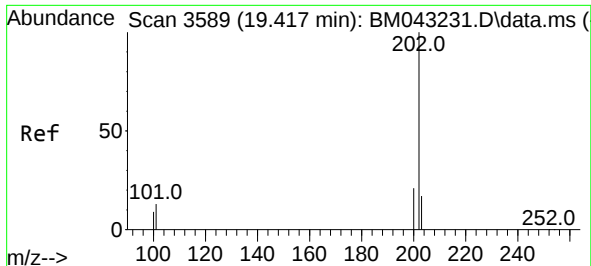


#16
Anthracene
Concen: 0.388 ng/u1
RT: 17.502 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



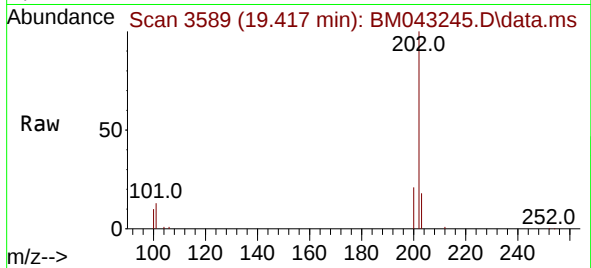
Tgt Ion:178 Resp: 47336
Ion Ratio Lower Upper
178 100
179 16.0 12.6 18.8
176 19.2 15.6 23.4





#19
Fluoranthene
Concen: 0.372 ng/u1
RT: 19.417 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

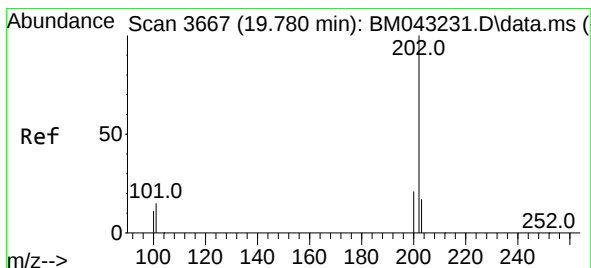
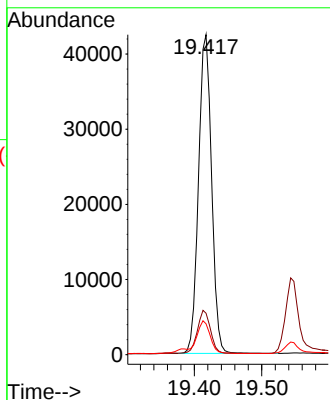
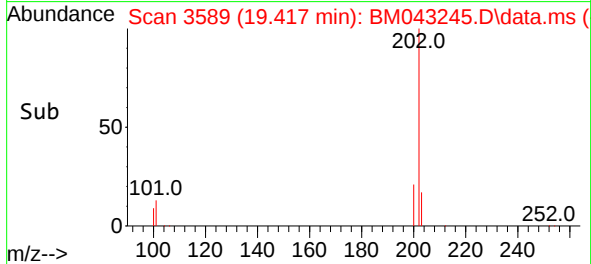
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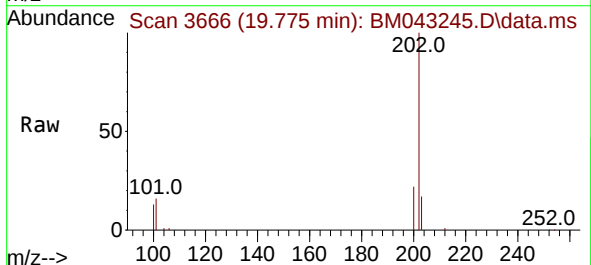
Tgt Ion:202 Resp: 56880
Ion Ratio Lower Upper
202 100
101 13.0 10.1 15.1
100 9.6 7.4 11.2

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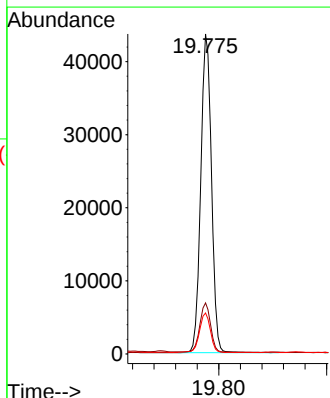
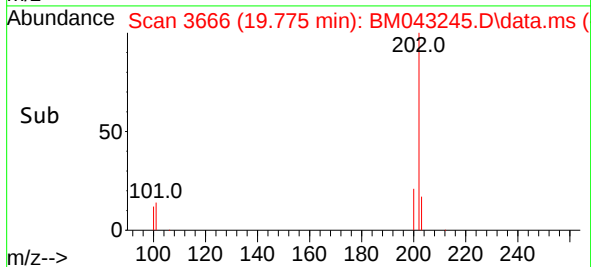
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

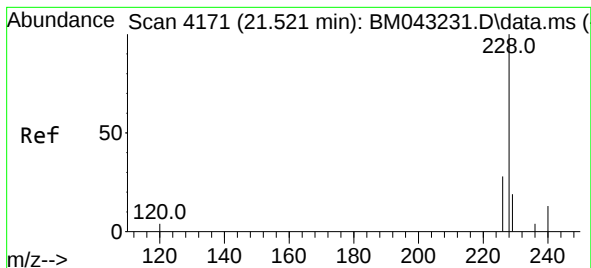


#20
Pyrene
Concen: 0.397 ng/u1
RT: 19.775 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



Tgt Ion:202 Resp: 60144
Ion Ratio Lower Upper
202 100
101 16.0 12.7 19.1
100 12.8 9.8 14.8





#21

Benzo(a)anthracene

Concen: 0.414 ng/ul

RT: 21.515 min Scan# 4169

Delta R.T. -0.003 min

Lab File: BM043245.D

Acq: 12 Dec 2023 02:47

Instrument :

BNA_M

ClientSampleId :

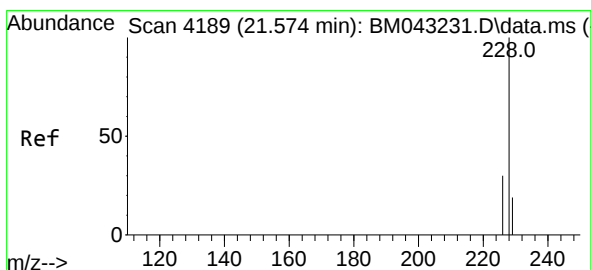
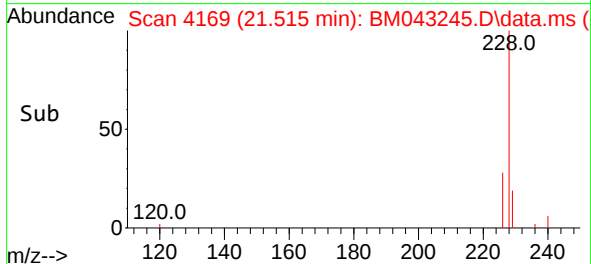
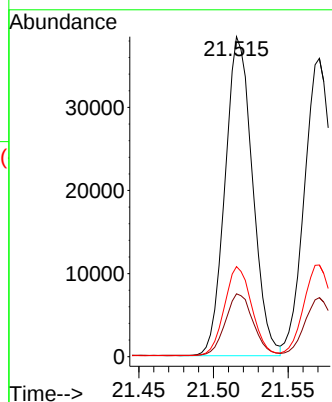
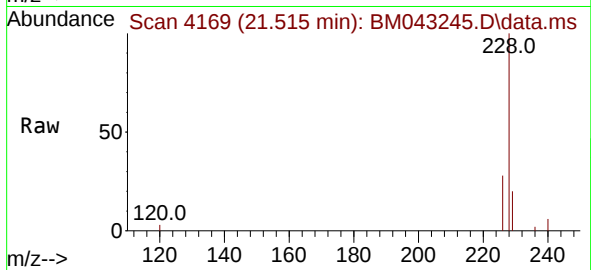
H0AB0MS

Tgt Ion:228	Resp:	4915
Ion Ratio	Lower	Upper
228	100	
229	19.6	15.5 23.3
226	28.2	22.6 34.0

Manual Integrations

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#22

Chrysene

Concen: 0.383 ng/ul

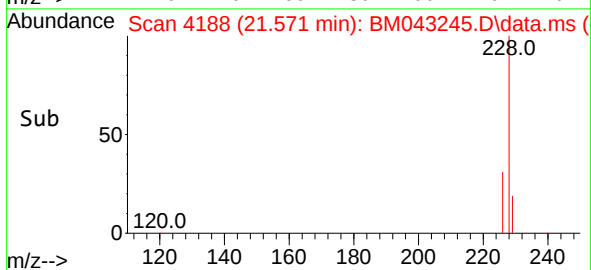
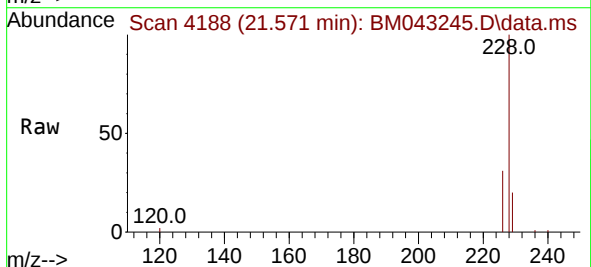
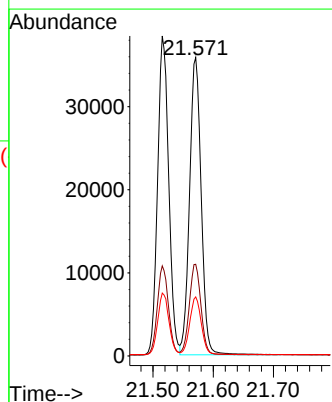
RT: 21.571 min Scan# 4188

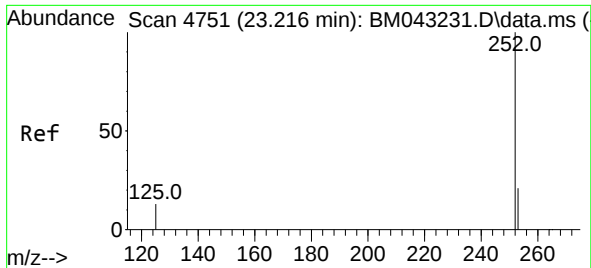
Delta R.T. 0.000 min

Lab File: BM043245.D

Acq: 12 Dec 2023 02:47

Tgt Ion:228	Resp:	47991
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.8 37.2
229	19.8	15.7 23.5





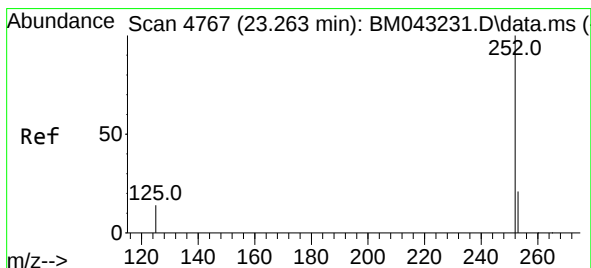
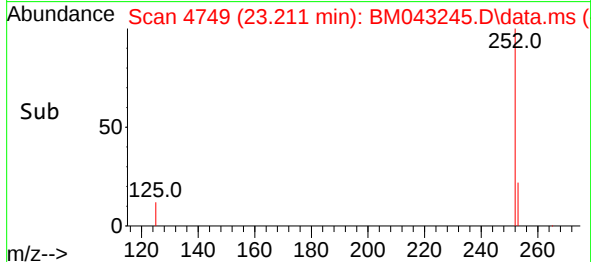
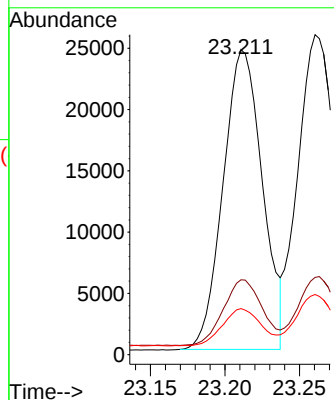
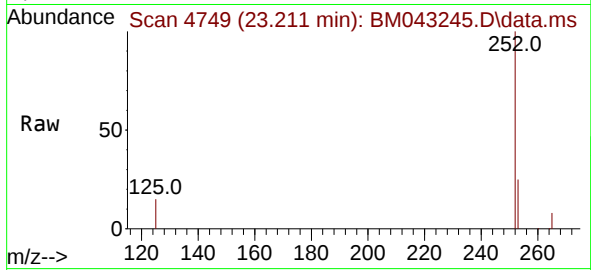
#24
Benzo(b)fluoranthene
Concen: 0.375 ng/ul
RT: 23.211 min Scan# 4749
Delta R.T. -0.003 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

Instrument :
BNA_M
ClientSampleId :
H0AB0MS

Tgt Ion:252 Resp: 4480
Ion Ratio Lower Upper
252 100
253 24.5 0.0 48.8
125 15.1 0.0 29.2

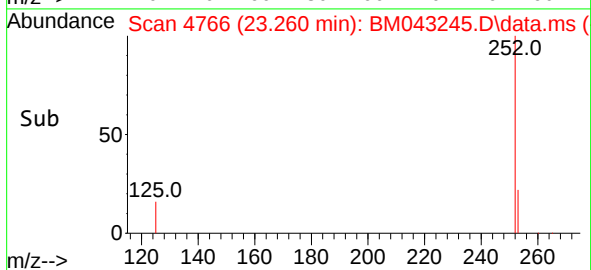
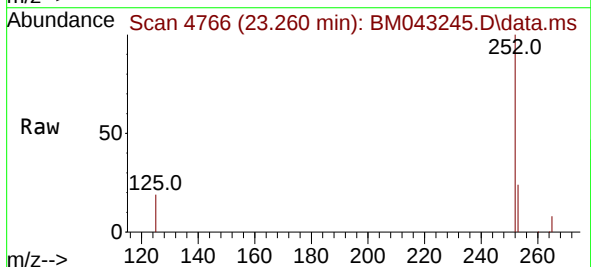
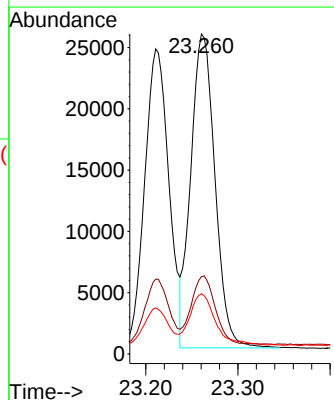
Manual Integrations
APPROVED

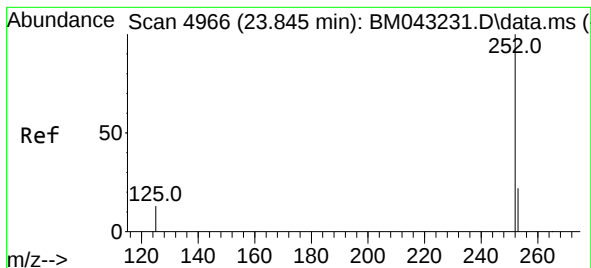
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#25
Benzo(k)fluoranthene
Concen: 0.378 ng/ul m
RT: 23.260 min Scan# 4766
Delta R.T. -0.003 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

Tgt Ion:252 Resp: 46856
Ion Ratio Lower Upper
252 100
253 24.2 18.6 28.0
125 18.8 11.8 17.8#





#26

Benzo(a)pyrene

Concen: 0.397 ng/ul

RT: 23.839 min Scan# 4966

Delta R.T. -0.006 min

Lab File: BM043245.D

Acq: 12 Dec 2023 02:47

Instrument :

BNA_M

ClientSampleId :

H0AB0MS

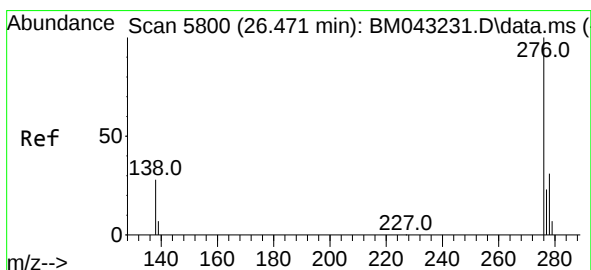
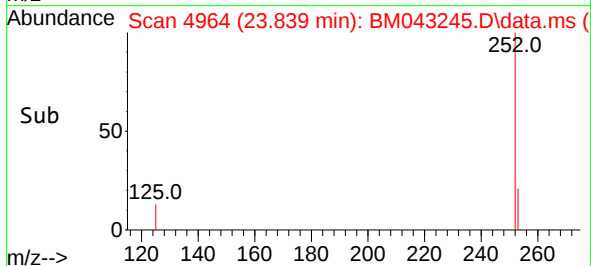
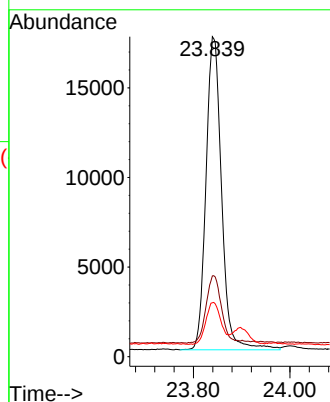
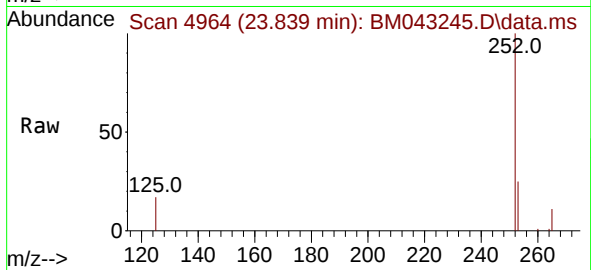
Tgt Ion:	252	Resp:	3912
Ion Ratio	Lower	Upper	
252	100		
253	25.2	20.2	30.2
125	16.9	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.376 ng/ul

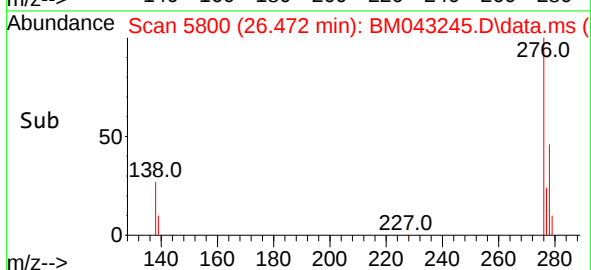
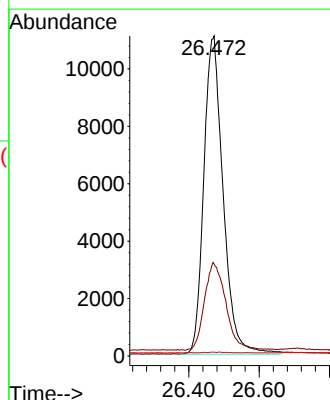
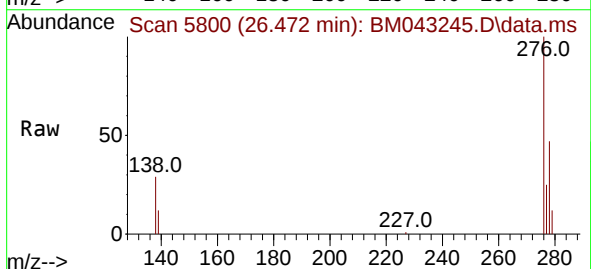
RT: 26.472 min Scan# 5800

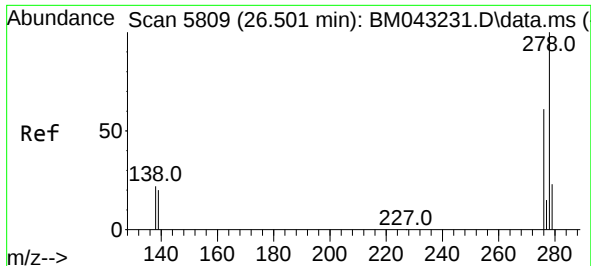
Delta R.T. 0.000 min

Lab File: BM043245.D

Acq: 12 Dec 2023 02:47

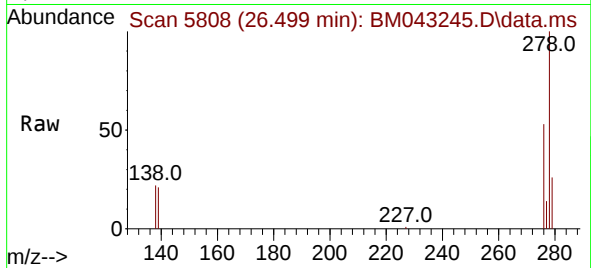
Tgt Ion:	276	Resp:	42234
Ion Ratio	Lower	Upper	
276	100		
138	30.5	24.6	36.8
227	0.1	0.0	0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.380 ng/ul
RT: 26.499 min Scan# 5809
Delta R.T. -0.003 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47

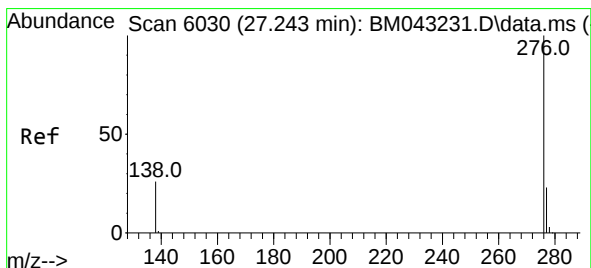
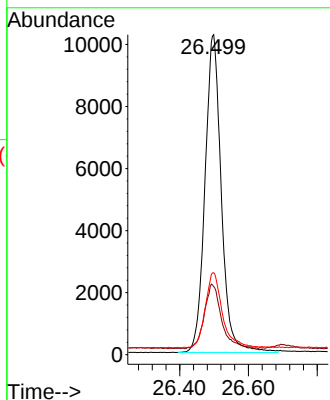
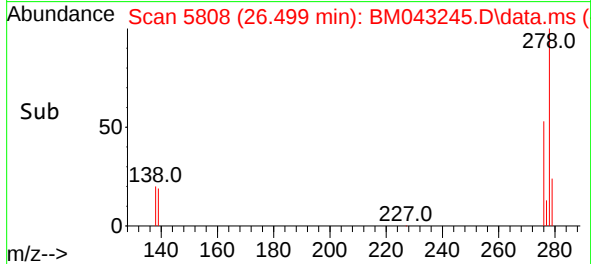
Instrument :
BNA_M
ClientSampleId :
H0AB0MS



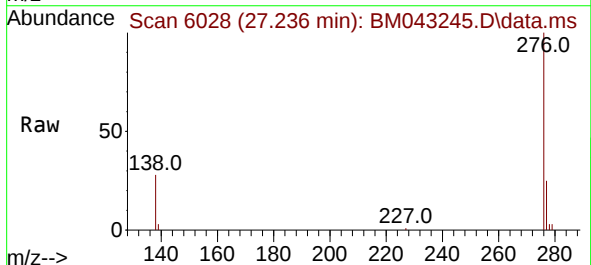
Tgt Ion:278 Resp: 3378
Ion Ratio Lower Upper
278 100
139 21.3 17.4 26.2
279 25.6 20.9 31.3

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.359 ng/ul
RT: 27.236 min Scan# 6028
Delta R.T. -0.003 min
Lab File: BM043245.D
Acq: 12 Dec 2023 02:47



Tgt Ion:276 Resp: 34364
Ion Ratio Lower Upper
276 100
138 27.7 23.1 34.7
277 24.6 19.4 29.0

