

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043271.D
 Acq On : 12 Dec 2023 19:35
 Operator : MA/JU
 Sample : PB157681BS
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS681

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 22:53:06 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	8.005	152	10713	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	33823	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	18551	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	37169	0.400	ng/ul	0.00
17) Chrysene-d12	21.533	240	20159	0.400	ng/ul	# 0.00
23) Perylene-d12	23.950	264	19278	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	8409	0.621	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	15506	0.324	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	24918	0.346	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	25837	1.903	ng/ul#	84
5) Naphthalene	10.862	128	32838	0.323	ng/ul	100
7) 2-Methylnaphthalene	12.467	142	20865	0.318	ng/ul	99
8) 1-Methylnaphthalene	12.682	142	20294	0.308	ng/ul	100
10) Acenaphthylene	14.351	152	31681	0.310	ng/ul	99
11) Acenaphthene	14.689	153	23700	0.319	ng/ul	99
12) Fluorene	15.675	166	26187	0.311	ng/ul	98
14) Pentachlorophenol	17.012	266	5656	0.687	ng/ul	98
15) Phenanthrene	17.409	178	40300	0.325	ng/ul	99
16) Anthracene	17.502	178	36026	0.320	ng/ul	100
19) Fluoranthene	19.417	202	39090	0.344	ng/ul	97
20) Pyrene	19.775	202	38816	0.344	ng/ul	96
21) Benzo(a)anthracene	21.518	228	29926	0.338	ng/ul	99
22) Chrysene	21.571	228	31796	0.340	ng/ul	100
24) Benzo(b)fluoranthene	23.211	252	28369	0.324	ng/ul	97
25) Benzo(k)fluoranthene	23.263	252	30424m	0.335	ng/ul	
26) Benzo(a)pyrene	23.842	252	23685	0.328	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.465	276	28175	0.343	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.495	278	22641	0.348	ng/ul	98
29) Benzo(g,h,i)perylene	27.233	276	24030	0.343	ng/ul	97

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

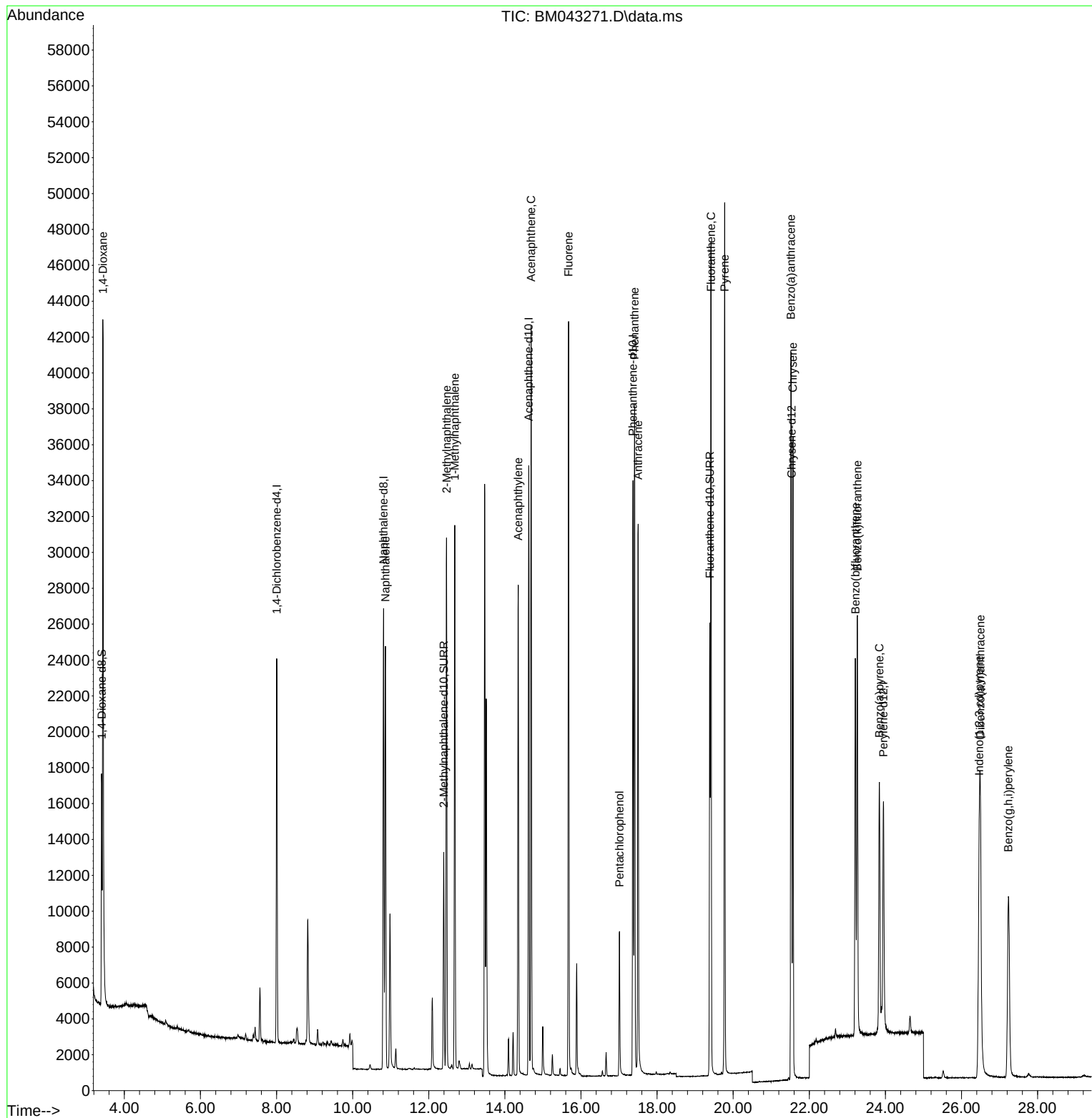
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
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Acq On : 12 Dec 2023 19:35
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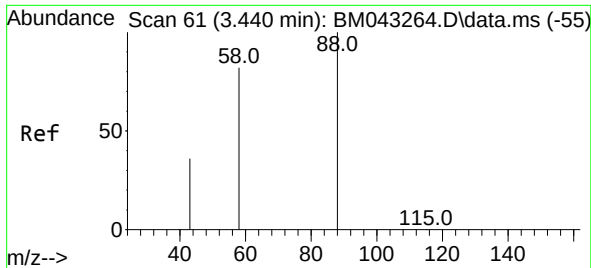
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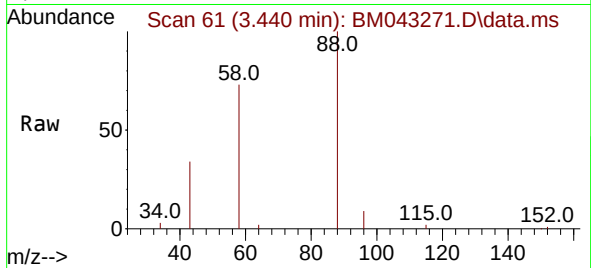
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#2
1,4-Dioxane
Concen: 1.903 ng/ul
RT: 3.440 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

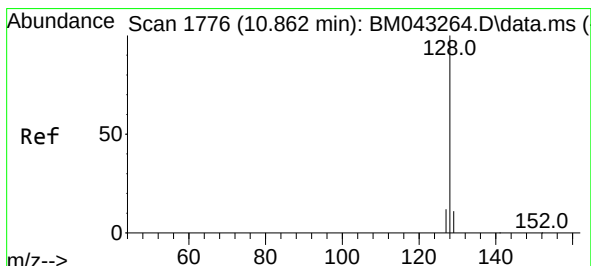
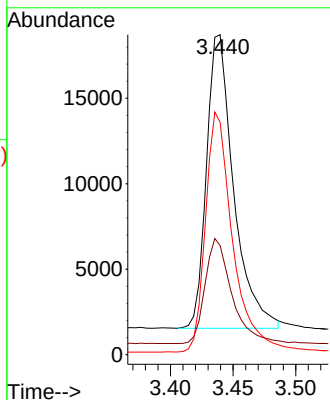
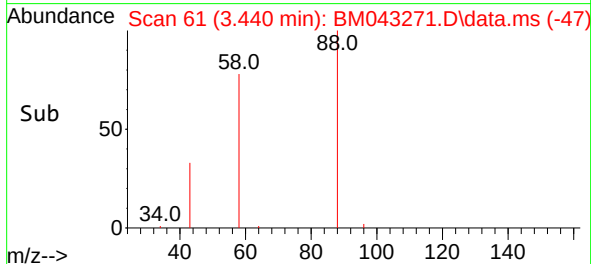
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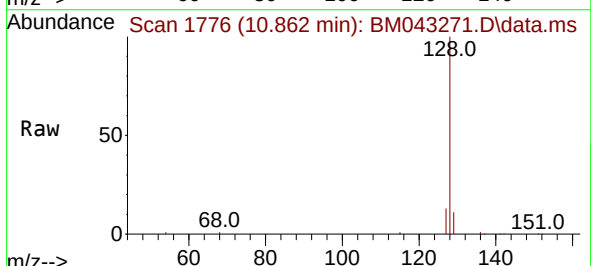
Tgt Ion: 88 Resp: 2583
Ion Ratio Lower Upper
88 100
43 34.1 27.9 41.9
58 72.6 43.4 65.2

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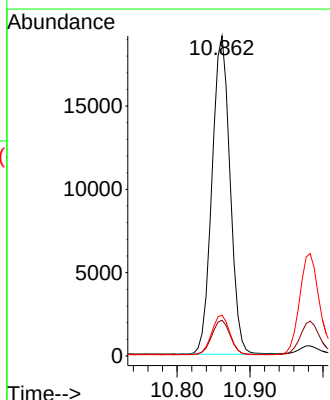
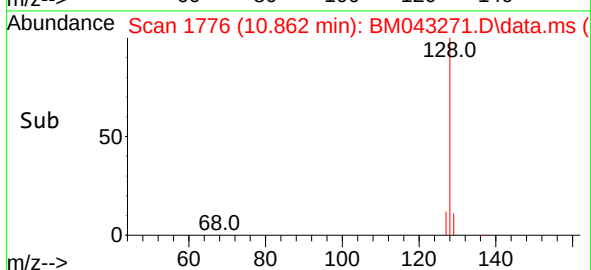
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

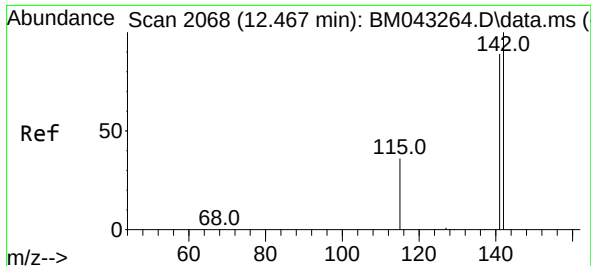


#5
Naphthalene
Concen: 0.323 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



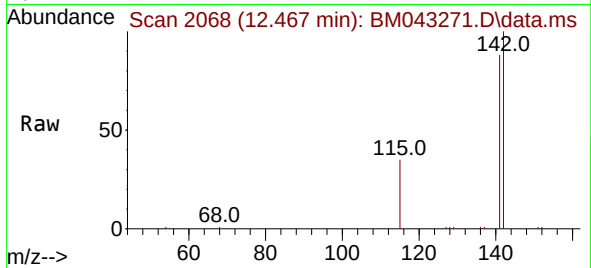
Tgt Ion:128 Resp: 32838
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.8 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.318 ng/ul
RT: 12.467 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

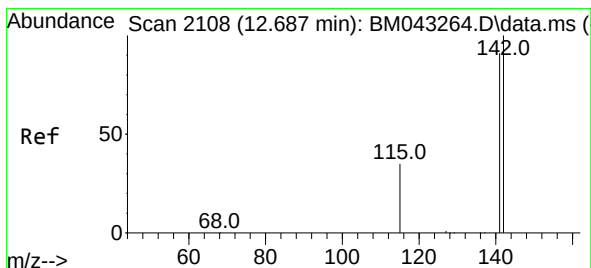
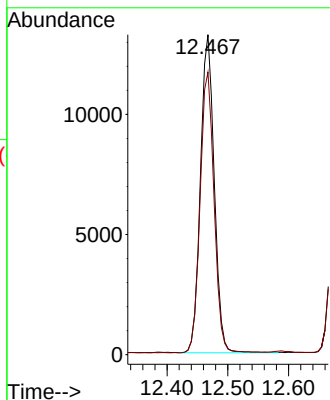
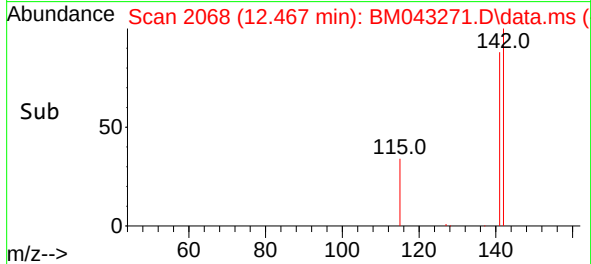
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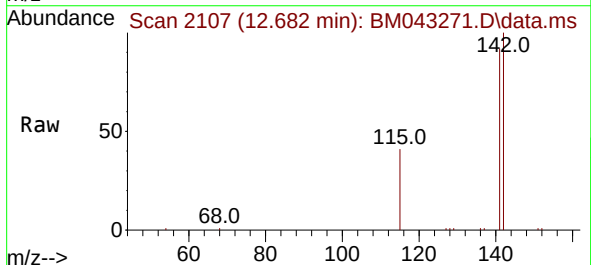
Tgt Ion:142 Resp: 2086
Ion Ratio Lower Upper
142 100
141 89.3 70.9 106.3

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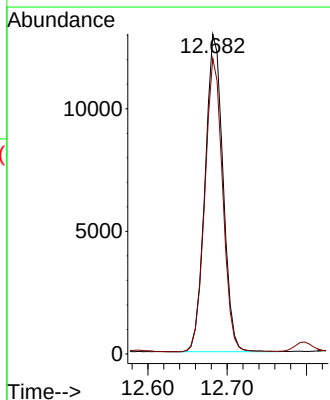
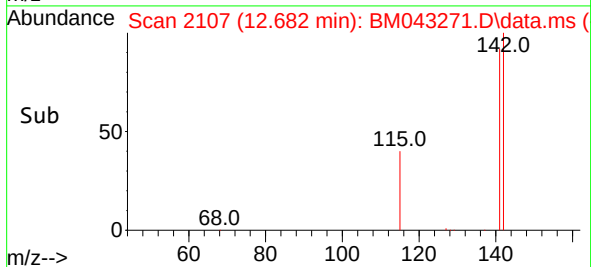
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

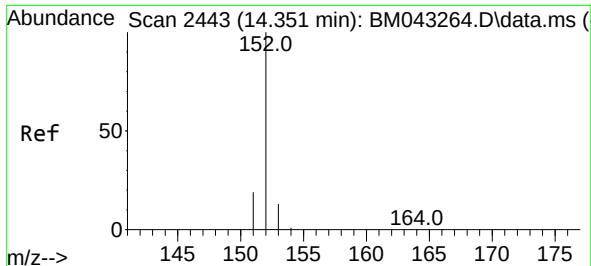


#8
1-Methylnaphthalene
Concen: 0.308 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



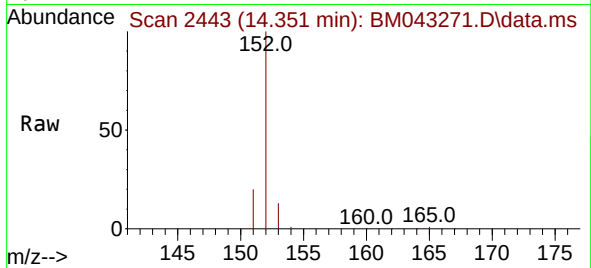
Tgt Ion:142 Resp: 20294
Ion Ratio Lower Upper
142 100
141 92.1 73.7 110.5





#10
Acenaphthylene
Concen: 0.310 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

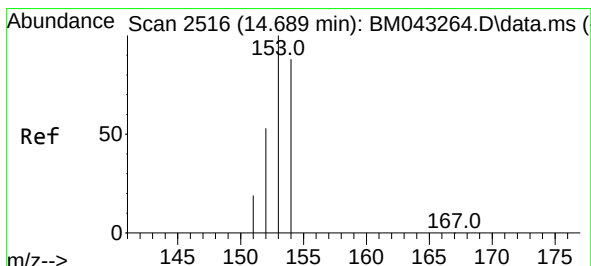
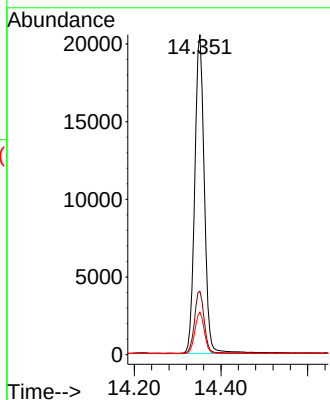
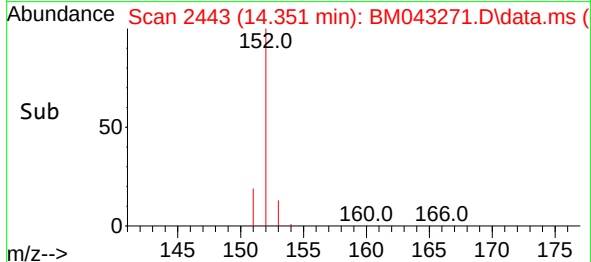
Instrument :
BNA_M
ClientSampleId :
SLCS681



Tgt Ion:152 Resp: 3168
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.3 10.4 15.6

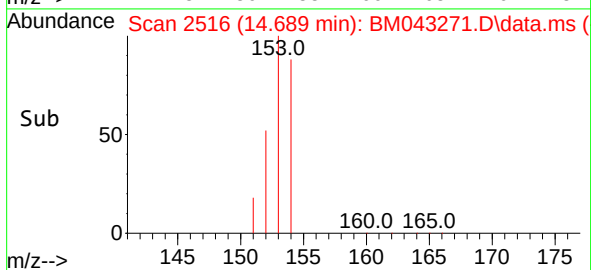
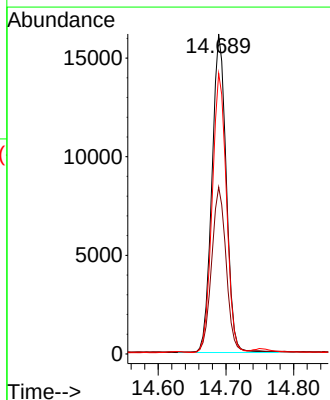
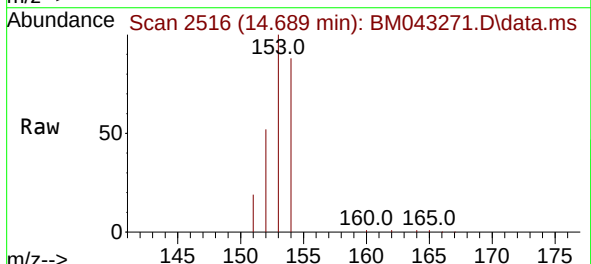
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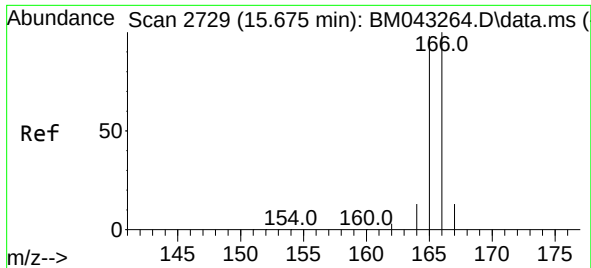
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#11
Acenaphthene
Concen: 0.319 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

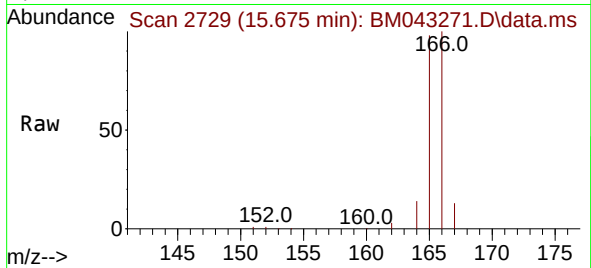
Tgt Ion:153 Resp: 23700
Ion Ratio Lower Upper
153 100
152 52.1 42.1 63.1
154 87.7 71.3 106.9





#12
Fluorene
Concen: 0.311 ng/ul
RT: 15.675 min Scan# 2729
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

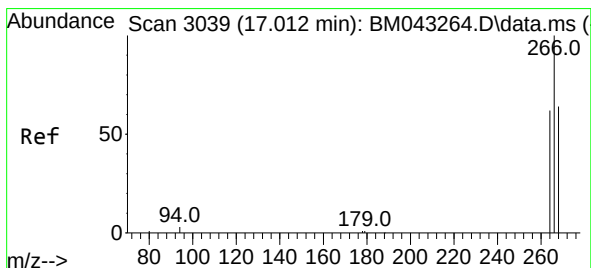
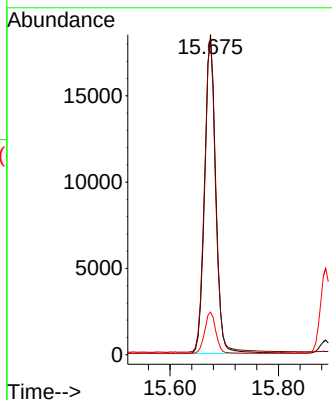
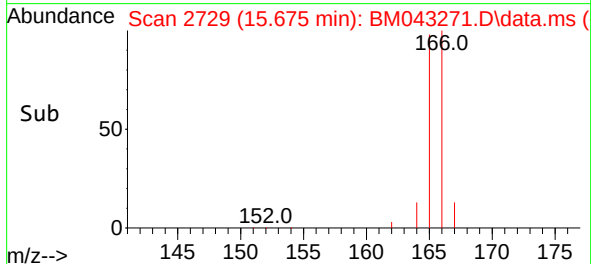
Instrument :
BNA_M
ClientSampleId :
SLCS681



Tgt Ion:166 Resp: 2618
Ion Ratio Lower Upper
166 100
165 98.5 80.3 120.5
167 13.3 10.8 16.2

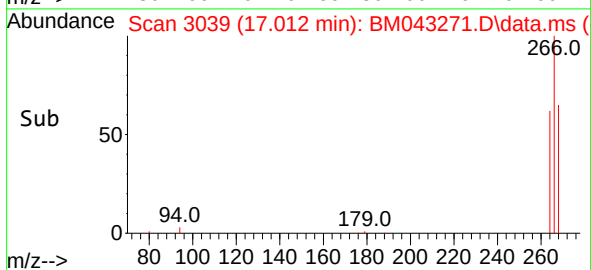
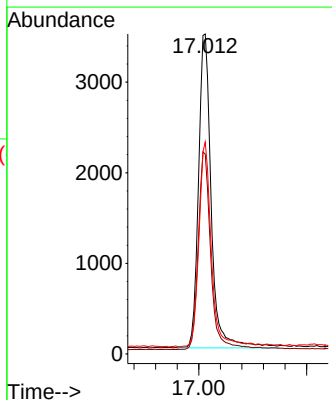
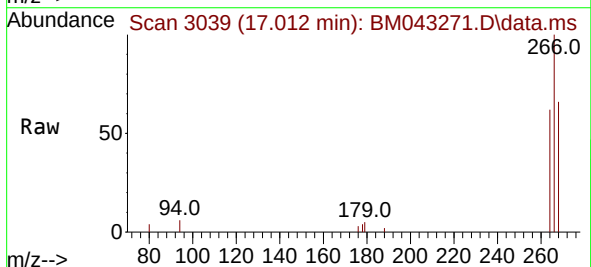
Manual Integrations
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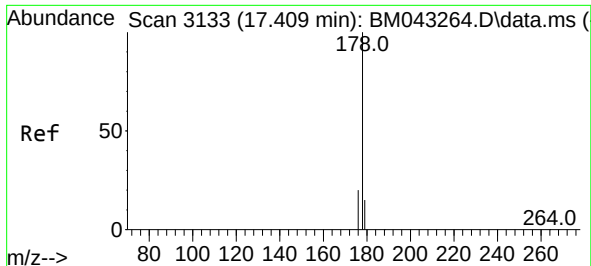
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#14
Pentachlorophenol
Concen: 0.687 ng/ul
RT: 17.012 min Scan# 3039
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

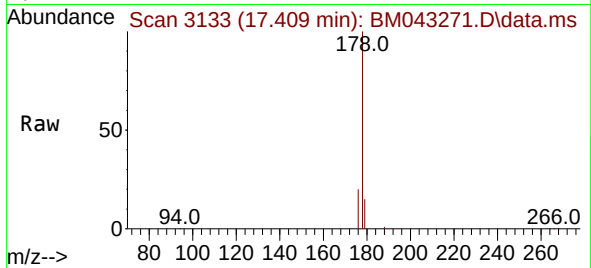
Tgt Ion:266 Resp: 5656
Ion Ratio Lower Upper
266 100
264 63.3 51.7 77.5
268 62.8 51.9 77.9





#15
Phenanthrene
Concen: 0.325 ng/u1
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

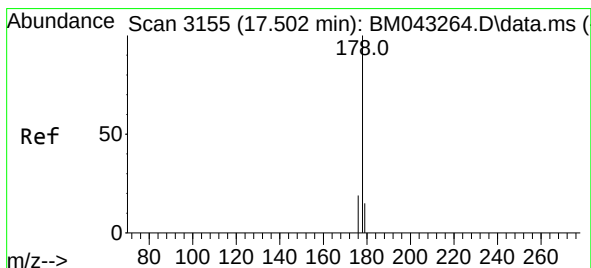
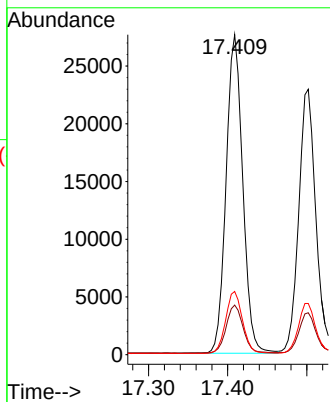
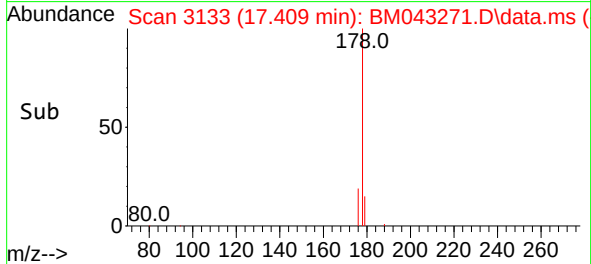
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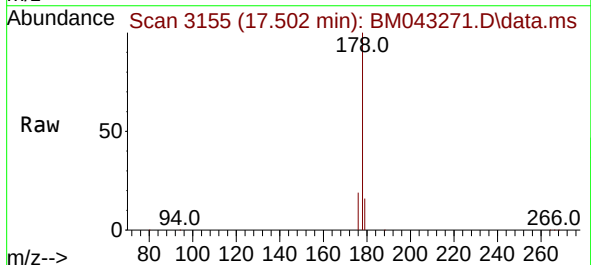
Tgt Ion:178 Resp: 40300
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 19.8 16.2 24.2

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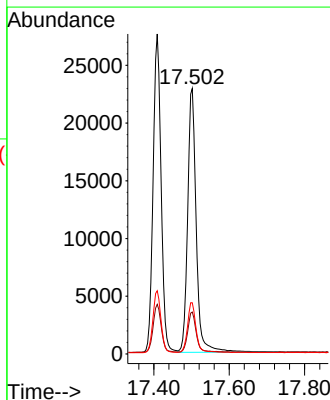
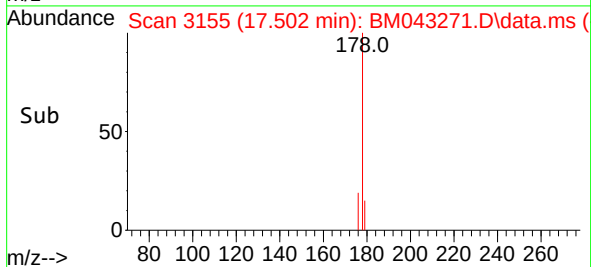
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

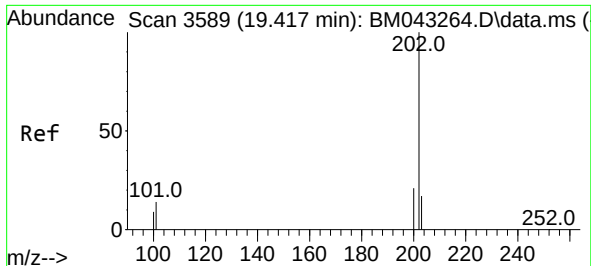


#16
Anthracene
Concen: 0.320 ng/u1
RT: 17.502 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



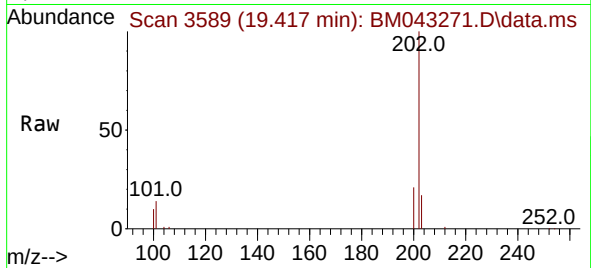
Tgt Ion:178 Resp: 36026
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 19.3 15.6 23.4





#19
Fluoranthene
Concen: 0.344 ng/ul
RT: 19.417 min Scan# 3589
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

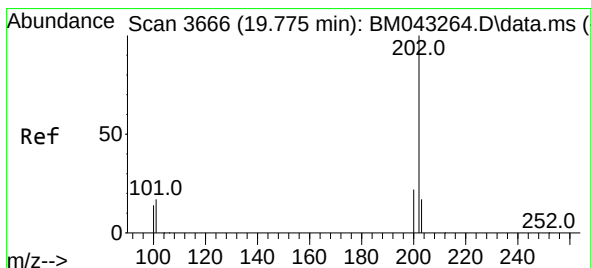
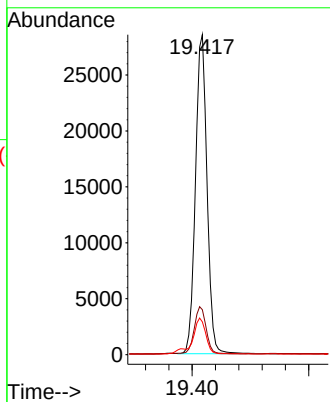
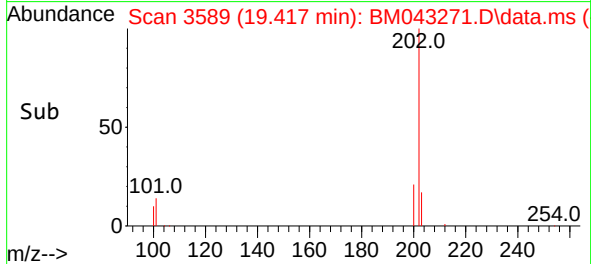
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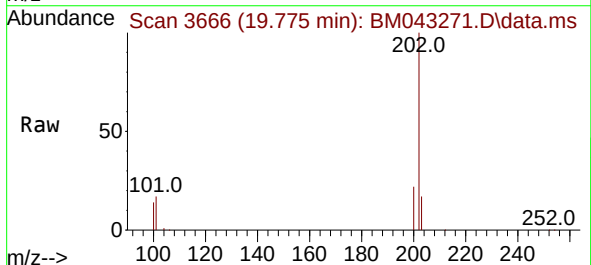
Tgt Ion:202 Resp: 39090
Ion Ratio Lower Upper
202 100
101 14.1 10.1 15.1
100 10.2 7.4 11.2

Manual Integrations
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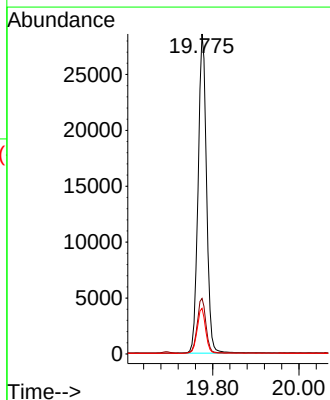
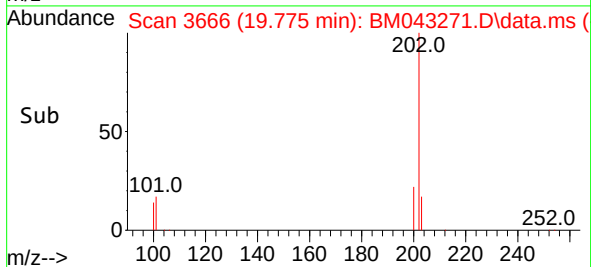
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Supervised By :mohammad ahmed 12/14/2023

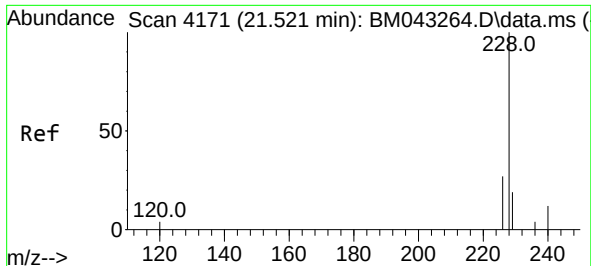


#20
Pyrene
Concen: 0.344 ng/ul
RT: 19.775 min Scan# 3666
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



Tgt Ion:202 Resp: 38816
Ion Ratio Lower Upper
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101 17.4 12.7 19.1
100 14.3 9.8 14.8





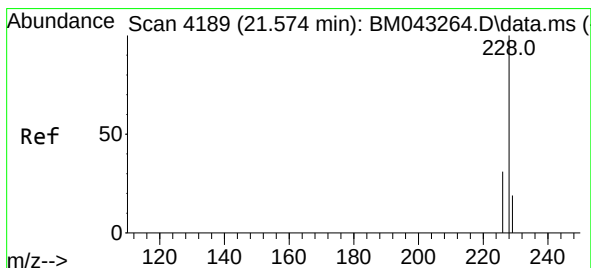
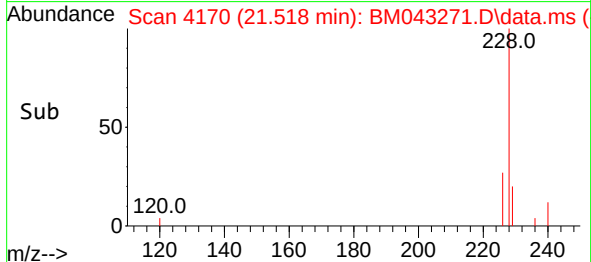
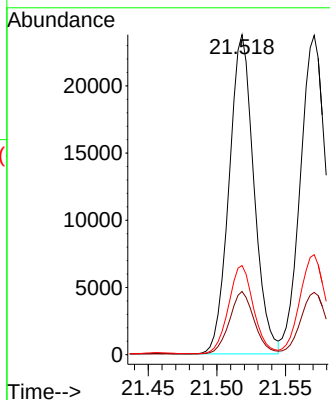
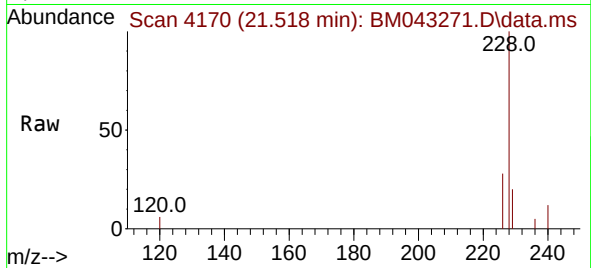
#21
Benzo(a)anthracene
Concen: 0.338 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:228 Resp: 29920
Ion Ratio Lower Upper
228 100
229 19.8 15.5 23.3
226 27.8 22.6 34.0

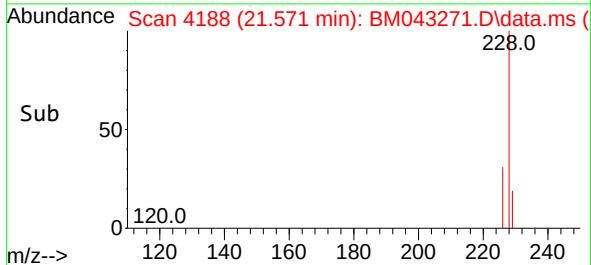
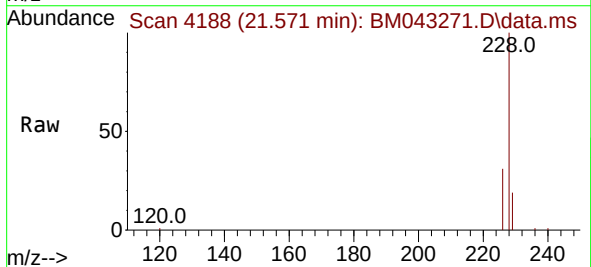
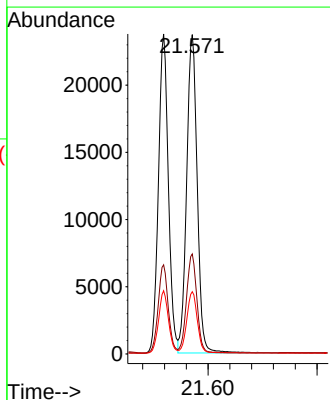
Manual Integrations
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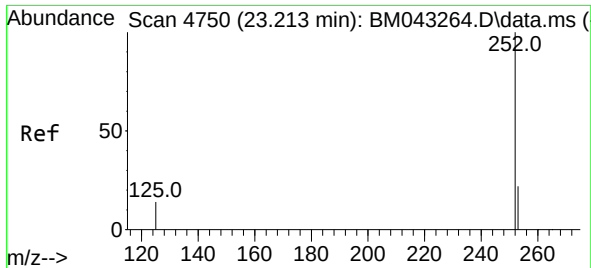
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Chrysene
Concen: 0.340 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

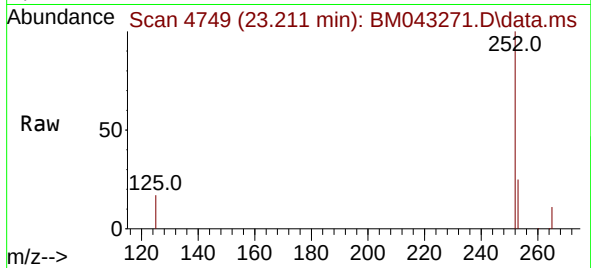
Tgt Ion:228 Resp: 31796
Ion Ratio Lower Upper
228 100
226 31.3 24.8 37.2
229 19.5 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.324 ng/ul
RT: 23.211 min Scan# 4749
Delta R.T. -0.003 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

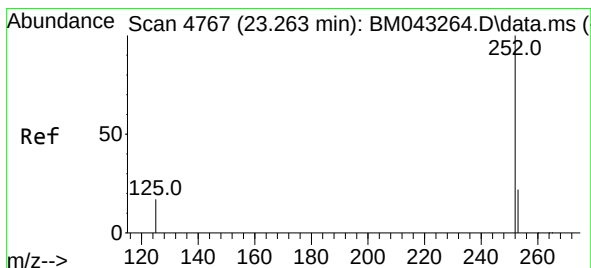
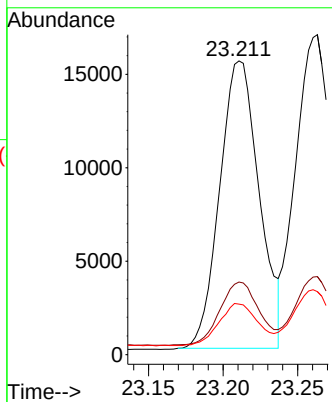
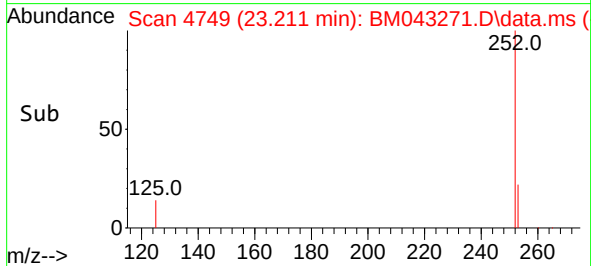
Instrument :
BNA_M
ClientSampleId :
SLCS681



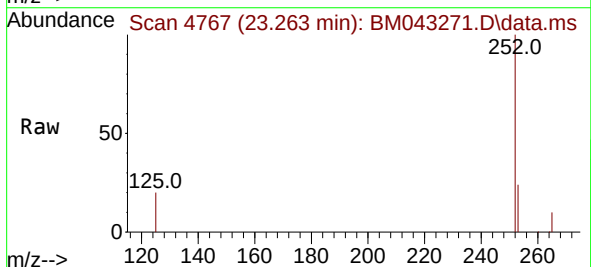
Tgt Ion:252 Resp: 28369
Ion Ratio Lower Upper
252 100
253 24.7 0.0 48.8
125 17.2 0.0 29.2

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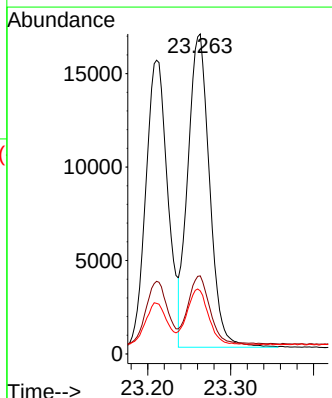
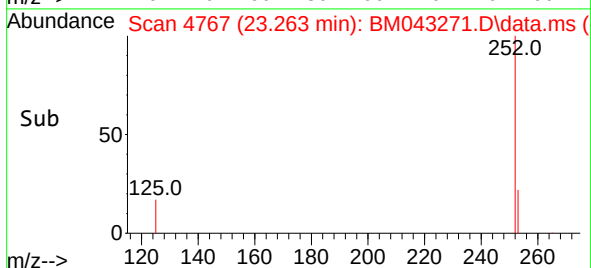
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

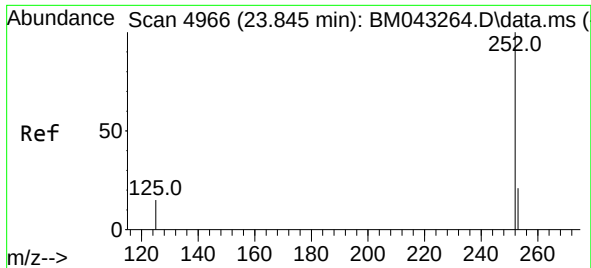


#25
Benzo(k)fluoranthene
Concen: 0.335 ng/ul m
RT: 23.263 min Scan# 4767
Delta R.T. -0.000 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



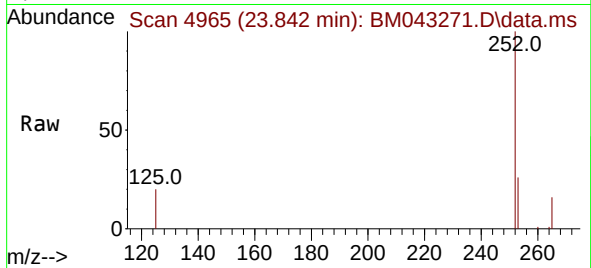
Tgt Ion:252 Resp: 30424
Ion Ratio Lower Upper
252 100
253 24.4 18.6 28.0
125 19.7 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 0.328 ng/ul
RT: 23.842 min Scan# 4966
Delta R.T. -0.003 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

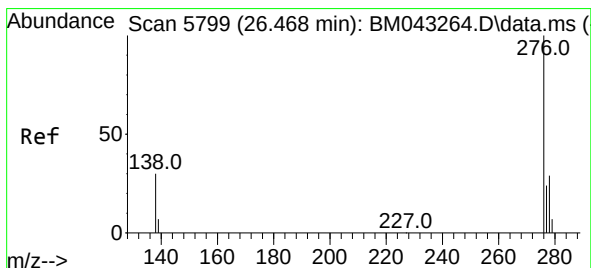
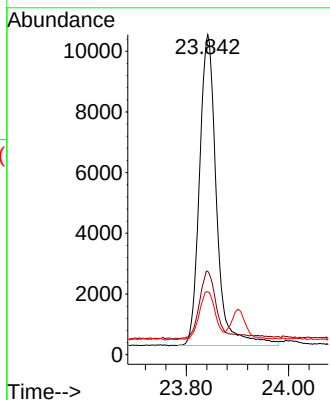
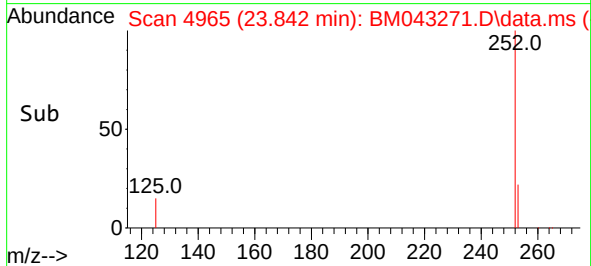
Instrument :
BNA_M
ClientSampleId :
SLCS681



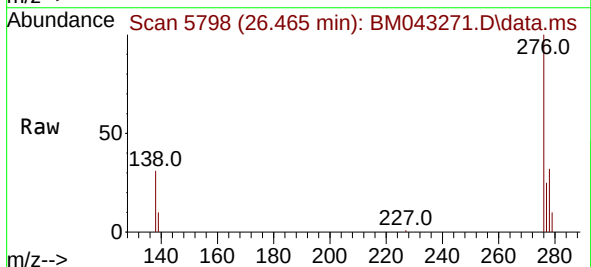
Tgt Ion:252 Resp: 2368
Ion Ratio Lower Upper
252 100
253 26.0 20.2 30.2
125 19.6 13.5 20.3

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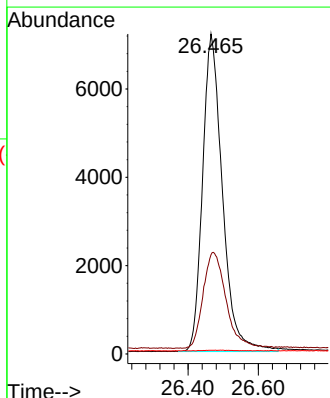
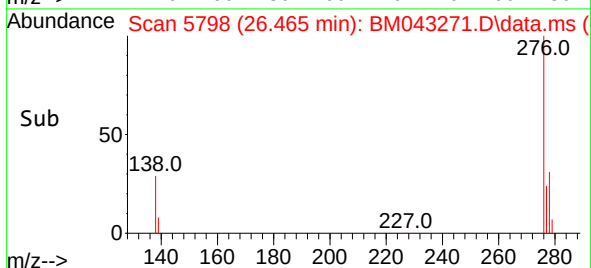
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

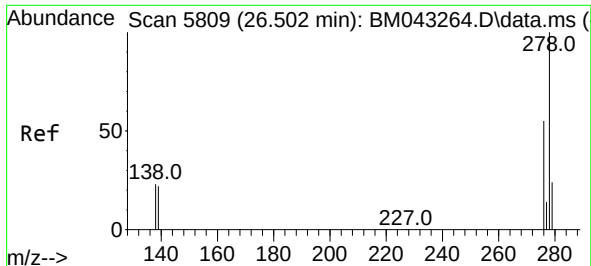


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.343 ng/ul
RT: 26.465 min Scan# 5798
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35



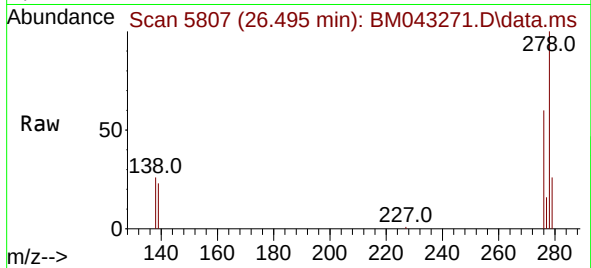
Tgt Ion:276 Resp: 28175
Ion Ratio Lower Upper
276 100
138 34.9 24.6 36.8
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.348 ng/ul
RT: 26.495 min Scan# 5809
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

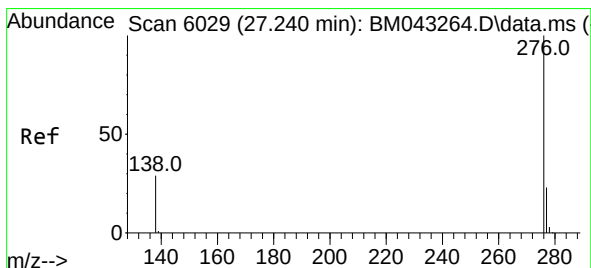
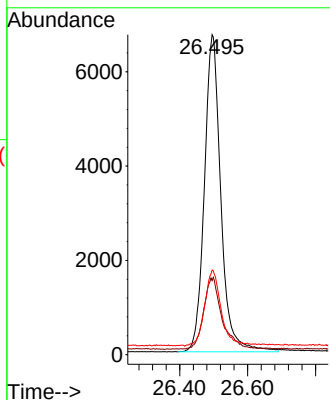
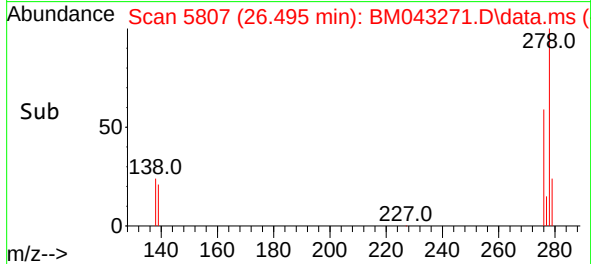
Instrument :
BNA_M
ClientSampleId :
SLCS681



Tgt Ion:278 Resp: 2264
Ion Ratio Lower Upper
278 100
139 23.1 17.4 26.2
279 26.4 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: 0.343 ng/ul
RT: 27.233 min Scan# 6027
Delta R.T. -0.006 min
Lab File: BM043271.D
Acq: 12 Dec 2023 19:35

Tgt Ion:276 Resp: 24030
Ion Ratio Lower Upper
276 100
138 30.8 23.1 34.7
277 24.8 19.4 29.0

