

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040048.D
 Acq On : 26 May 2023 22:03
 Operator : CG/JU
 Sample : 02851-12
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0FK5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023

Quant Time: May 27 00:12:42 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 15:01:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	9432	0.400	ng/ul	0.00
4) Naphthalene-d8	10.822	136	31860	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.646	164	14547	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.391	188	22999	0.400	ng/ul	0.00
17) Chrysene-d12	21.564	240	11127	0.400	ng/ul	0.00
23) Perylene-d12	24.008	264	12424	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.380	96	48235	4.392	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	10957	0.281	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	13325	0.398	ng/ul	0.00
Target Compounds						
					Qvalue	
15) Phenanthrene	17.429	178	4489	0.069	ng/ul	95
16) Anthracene	17.522	178	1336	0.024	ng/ul#	76
19) Fluoranthene	19.440	202	9990	0.200	ng/ul	98
20) Pyrene	19.802	202	10440m	0.206	ng/ul	
21) Benzo(a)anthracene	21.547	228	3082	0.082	ng/ul#	92
22) Chrysene	21.602	228	4593	0.115	ng/ul#	95
24) Benzo(b)fluoranthene	23.263	252	6155	0.125	ng/ul#	68
25) Benzo(k)fluoranthene	23.306	252	2238m	0.045	ng/ul	
26) Benzo(a)pyrene	23.900	252	3548	0.086	ng/ul#	57
27) Indeno(1,2,3-cd)pyrene	26.551	276	2782	0.047	ng/ul#	93
29) Benzo(g,h,i)perylene	27.336	276	2223	0.046	ng/ul#	77

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

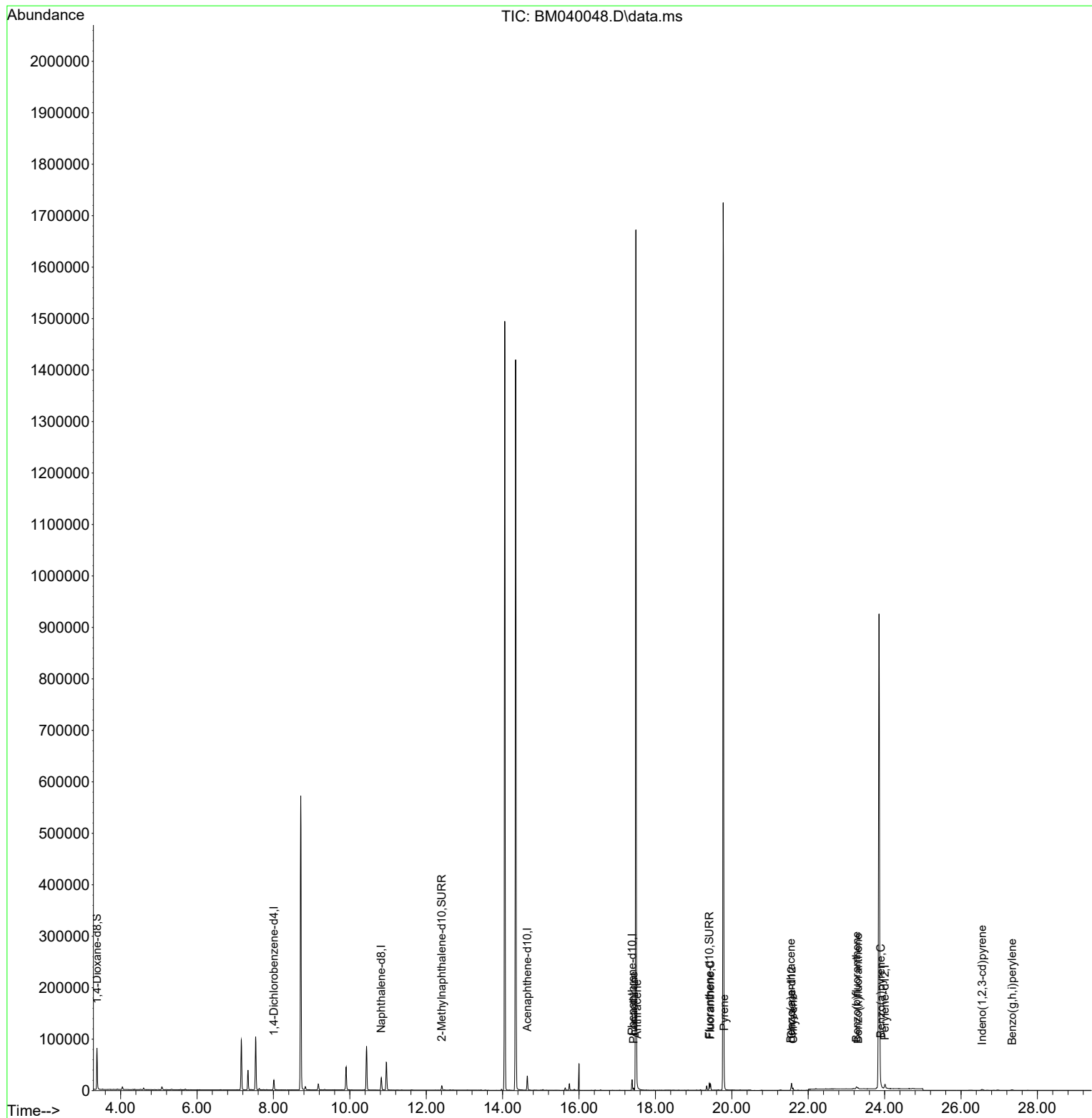
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
Data File : BM040048.D
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ALS Vial : 54 Sample Multiplier: 1

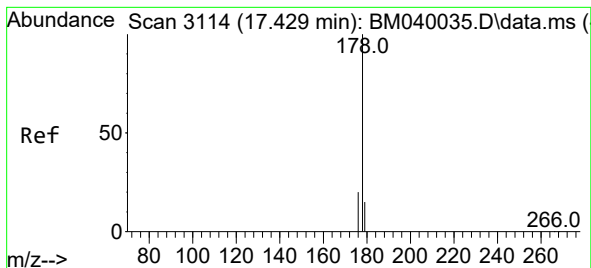
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Response via : Initial Calibration





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.429 min Scan# 3114

Delta R.T. -0.004 min

Lab File: BM040048.D

Acq: 26 May 2023 22:03

Instrument :

BNA_M

ClientSampleId :

H0FK5

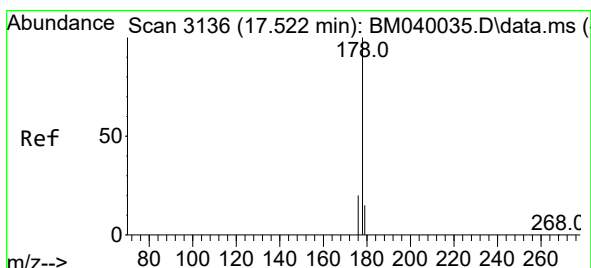
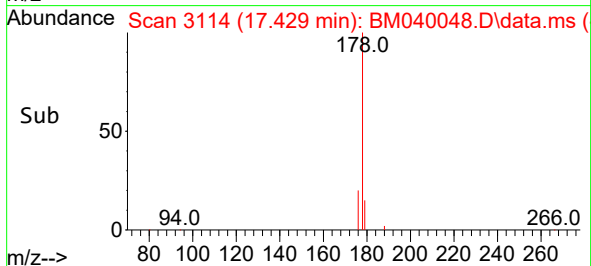
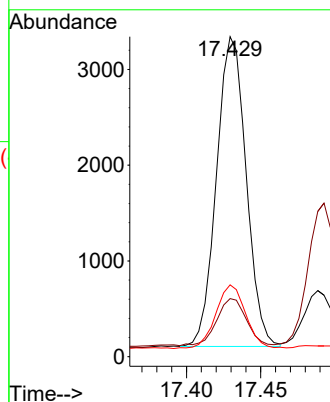
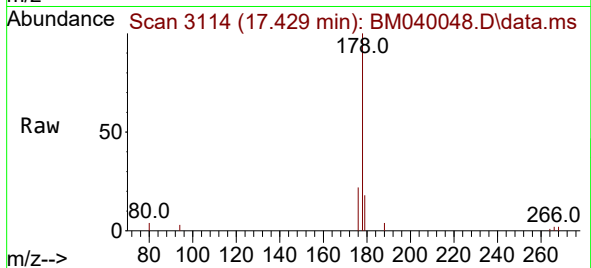
Tgt Ion:178	Resp:	4489
Ion Ratio	Lower	Upper
178	100	
179	18.1	12.4 18.6
176	22.4	16.3 24.5

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#16

Anthracene

Concen: 0.024 ng/ul

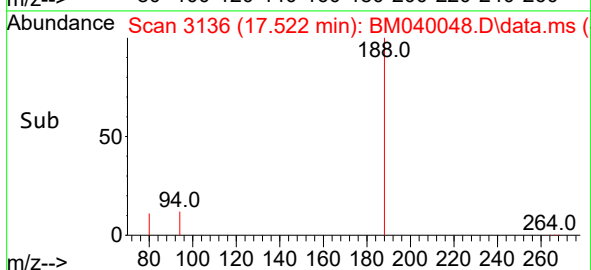
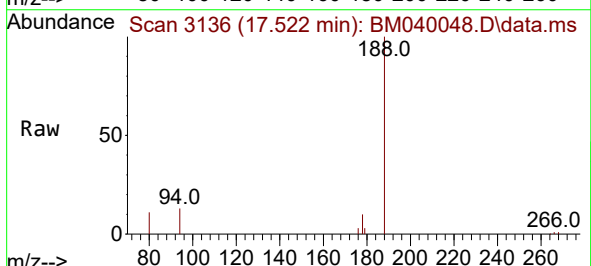
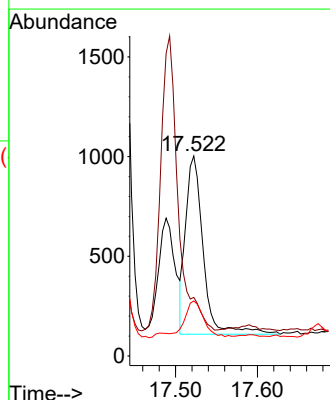
RT: 17.522 min Scan# 3136

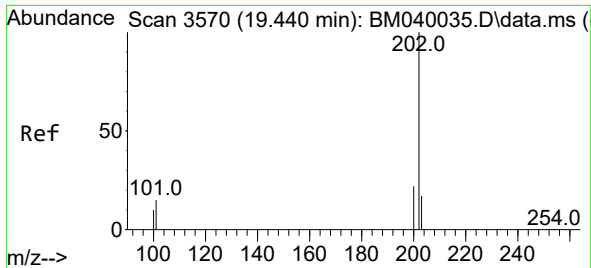
Delta R.T. -0.004 min

Lab File: BM040048.D

Acq: 26 May 2023 22:03

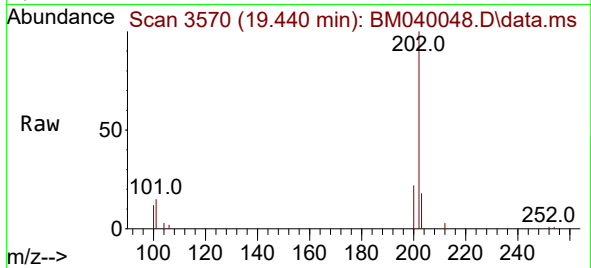
Tgt Ion:178	Resp:	1336
Ion Ratio	Lower	Upper
178	100	
179	29.3	12.6 19.0#
176	27.5	15.5 23.3#





#19
Fluoranthene
Concen: 0.200 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

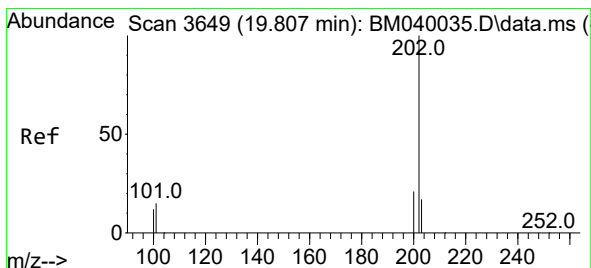
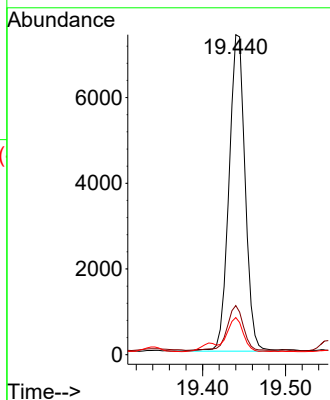
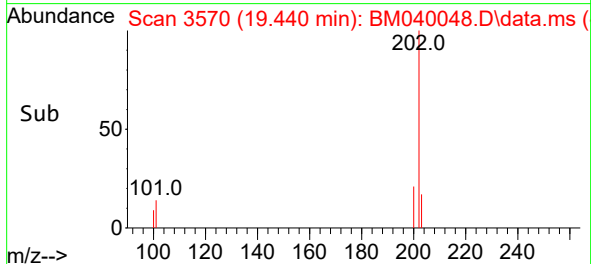
Instrument :
BNA_M
ClientSampleId :
H0FK5



Tgt Ion:202 Resp: 9990
Ion Ratio Lower Upper
202 100
101 15.4 11.5 17.3
100 11.6 8.5 12.7

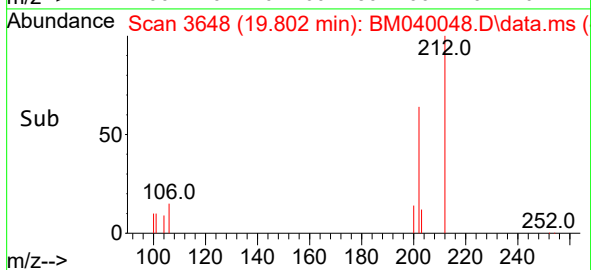
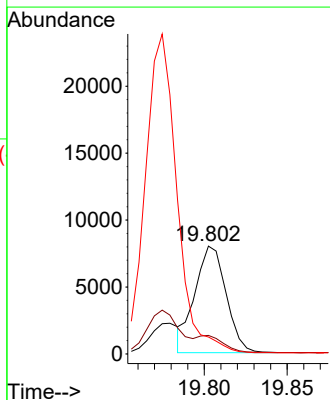
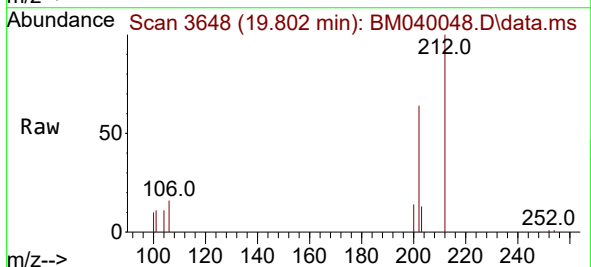
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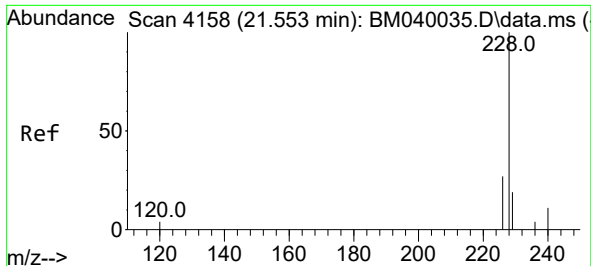
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#20
Pyrene
Concen: 0.206 ng/ul m
RT: 19.802 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

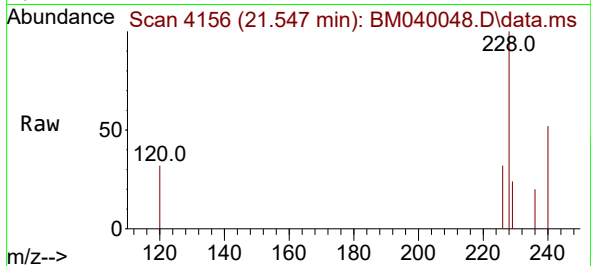
Tgt Ion:202 Resp: 10440
Ion Ratio Lower Upper
202 100
101 17.3 13.3 19.9
100 15.7 10.9 16.3





#21
Benzo(a)anthracene
Concen: 0.082 ng/ul
RT: 21.547 min Scan# 4158
Delta R.T. -0.009 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

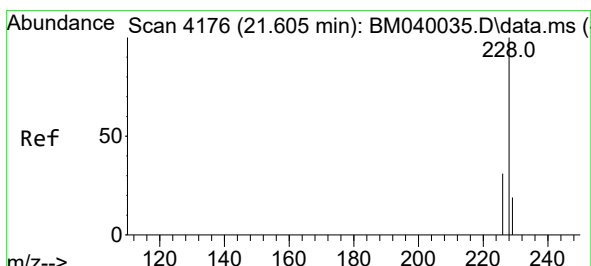
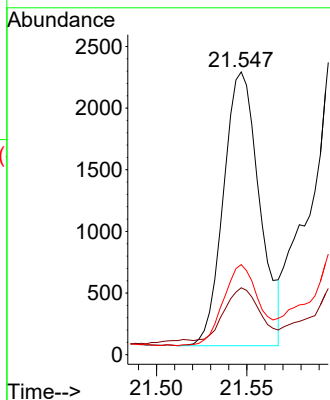
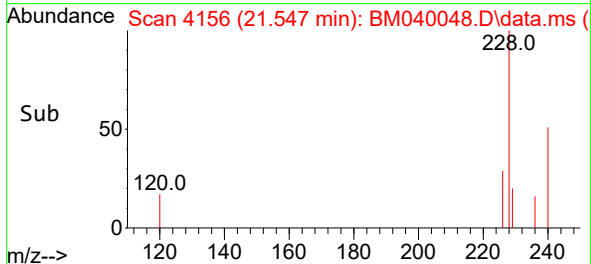
Instrument :
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ClientSampleId :
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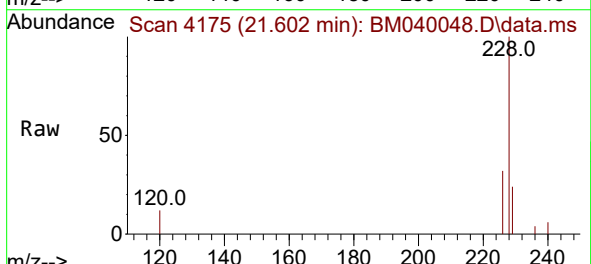
Tgt Ion:228 Resp: 3082
Ion Ratio Lower Upper
228 100
229 23.7 15.6 23.4
226 31.9 22.5 33.7

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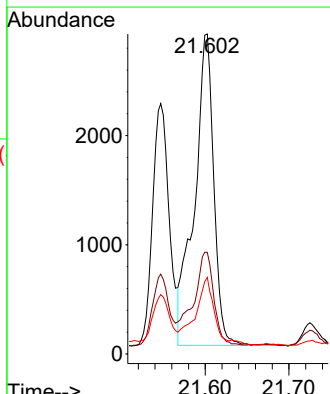
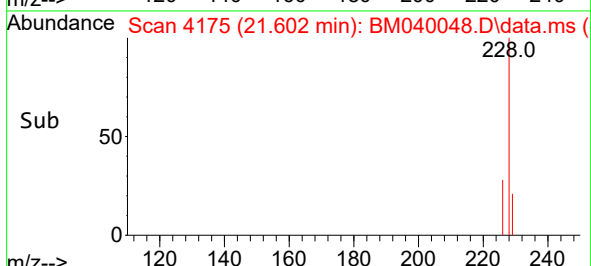
Reviewed By :Christian Giraldo 05/30/2023
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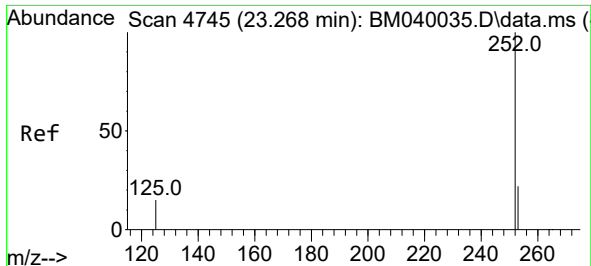


#22
Chrysene
Concen: 0.115 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03



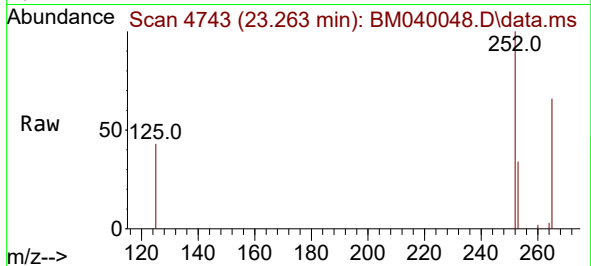
Tgt Ion:228 Resp: 4593
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 23.9 15.6 23.4





#24
Benzo(b)fluoranthene
Concen: 0.125 ng/ul
RT: 23.263 min Scan# 4743
Delta R.T. -0.012 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

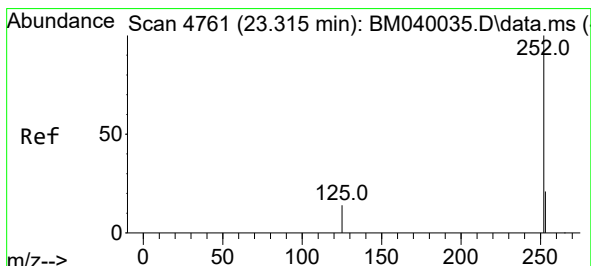
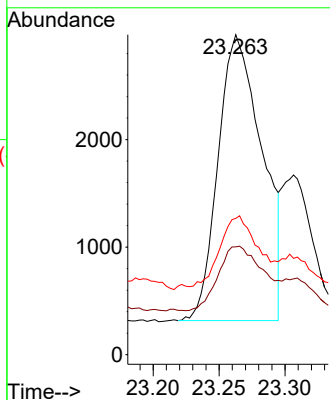
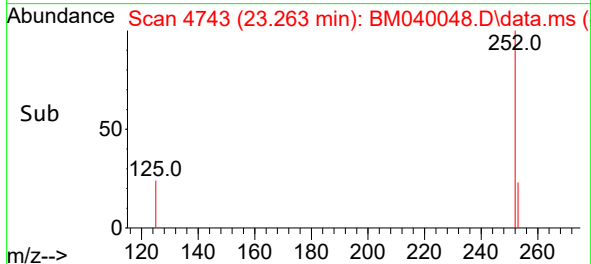
Instrument :
BNA_M
ClientSampleId :
H0FK5



Tgt Ion:252 Resp: 615
Ion Ratio Lower Upper
252 100
253 33.7 0.0 49.8
125 42.6 0.0 39.2

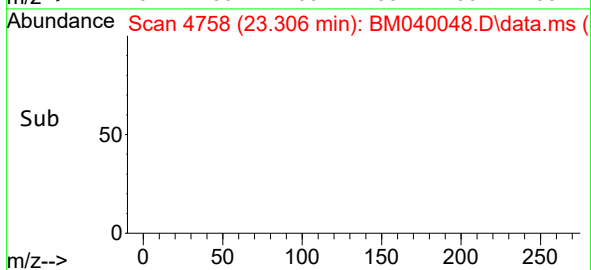
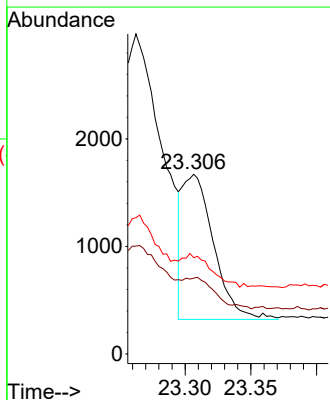
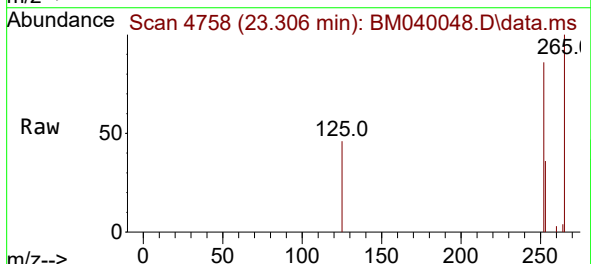
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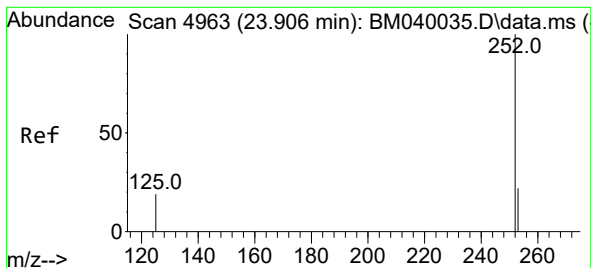
Reviewed By :Christian Giraldo 05/30/2023
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#25
Benzo(k)fluoranthene
Concen: 0.045 ng/ul m
RT: 23.306 min Scan# 4758
Delta R.T. -0.018 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

Tgt Ion:252 Resp: 2238
Ion Ratio Lower Upper
252 100
253 42.3 19.7 29.5#
125 53.6 15.0 22.4#





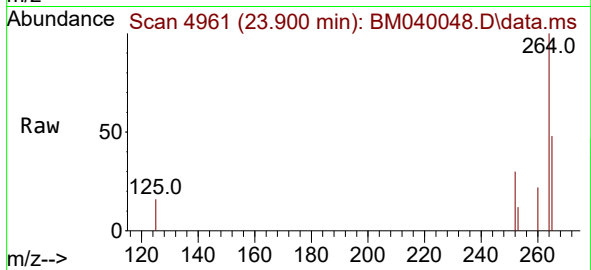
#26
Benzo(a)pyrene
Concen: 0.086 ng/ul
RT: 23.900 min Scan# 4961
Delta R.T. -0.015 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

Instrument :

BNM

ClientSampleId :

H0FK5

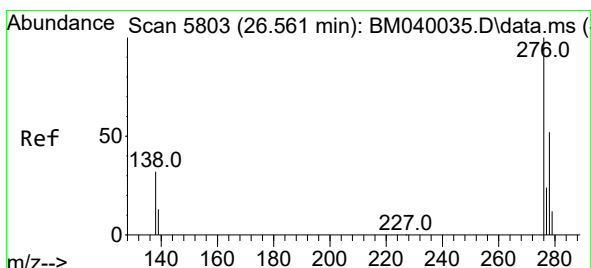
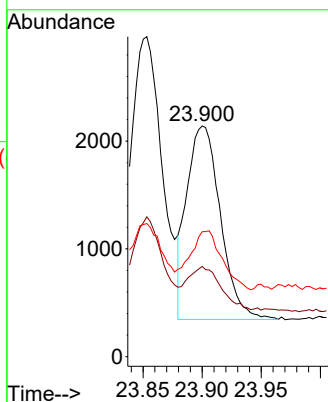
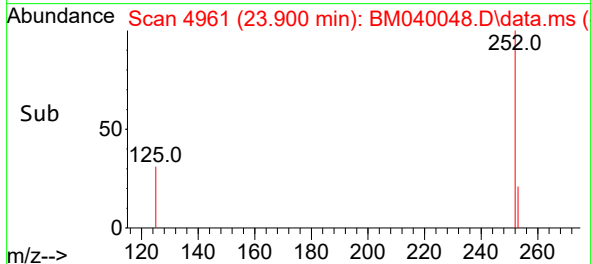


Tgt Ion:252 Resp: 3548
Ion Ratio Lower Upper
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253 39.1 20.6 31.0
125 54.1 19.1 28.7

Manual Integrations

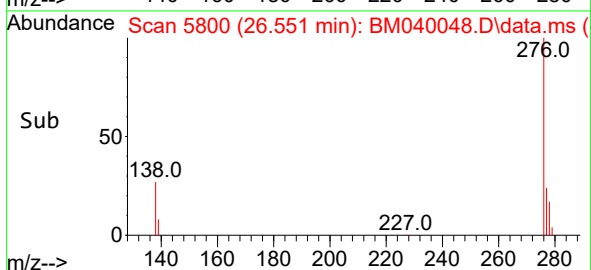
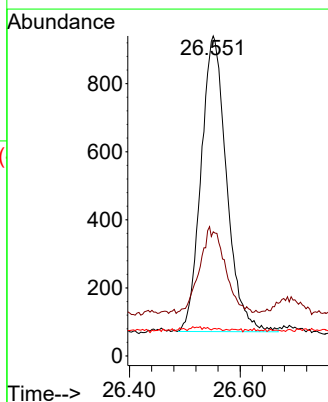
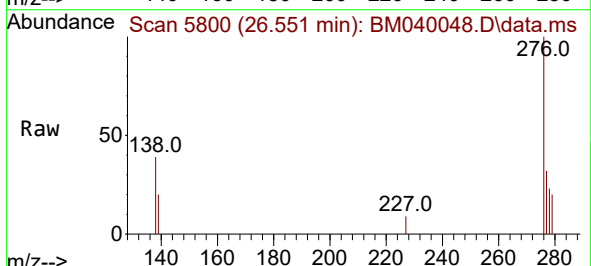
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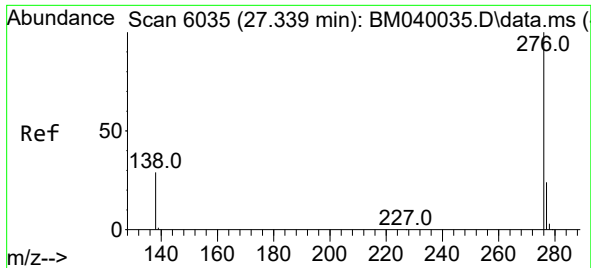
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.047 ng/ul
RT: 26.551 min Scan# 5800
Delta R.T. -0.020 min
Lab File: BM040048.D
Acq: 26 May 2023 22:03

Tgt Ion:276 Resp: 2782
Ion Ratio Lower Upper
276 100
138 29.3 26.9 40.3
227 0.4 0.1 0.1





#29

Benzo(g,h,i)perylene

Concen: 0.046 ng/ul

RT: 27.336 min Scan# 6034

Delta R.T. -0.020 min

Lab File: BM040048.D

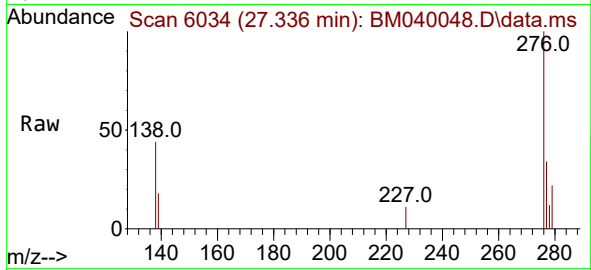
Acq: 26 May 2023 22:03

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:276 Resp: 222

Ion Ratio Lower Upper

276 100

138 43.8 23.9 35.9

277 34.5 19.5 29.3

Manual Integrations

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