

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121923\
 Data File : BM043431.D
 Acq On : 19 Dec 2023 17:41
 Operator : MA/JU
 Sample : 05830-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 H0AA5

Quant Time: Dec 19 23:36:27 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 : Tue Dec 19 23:32:46 2023
 Response via : Initial Calibration

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

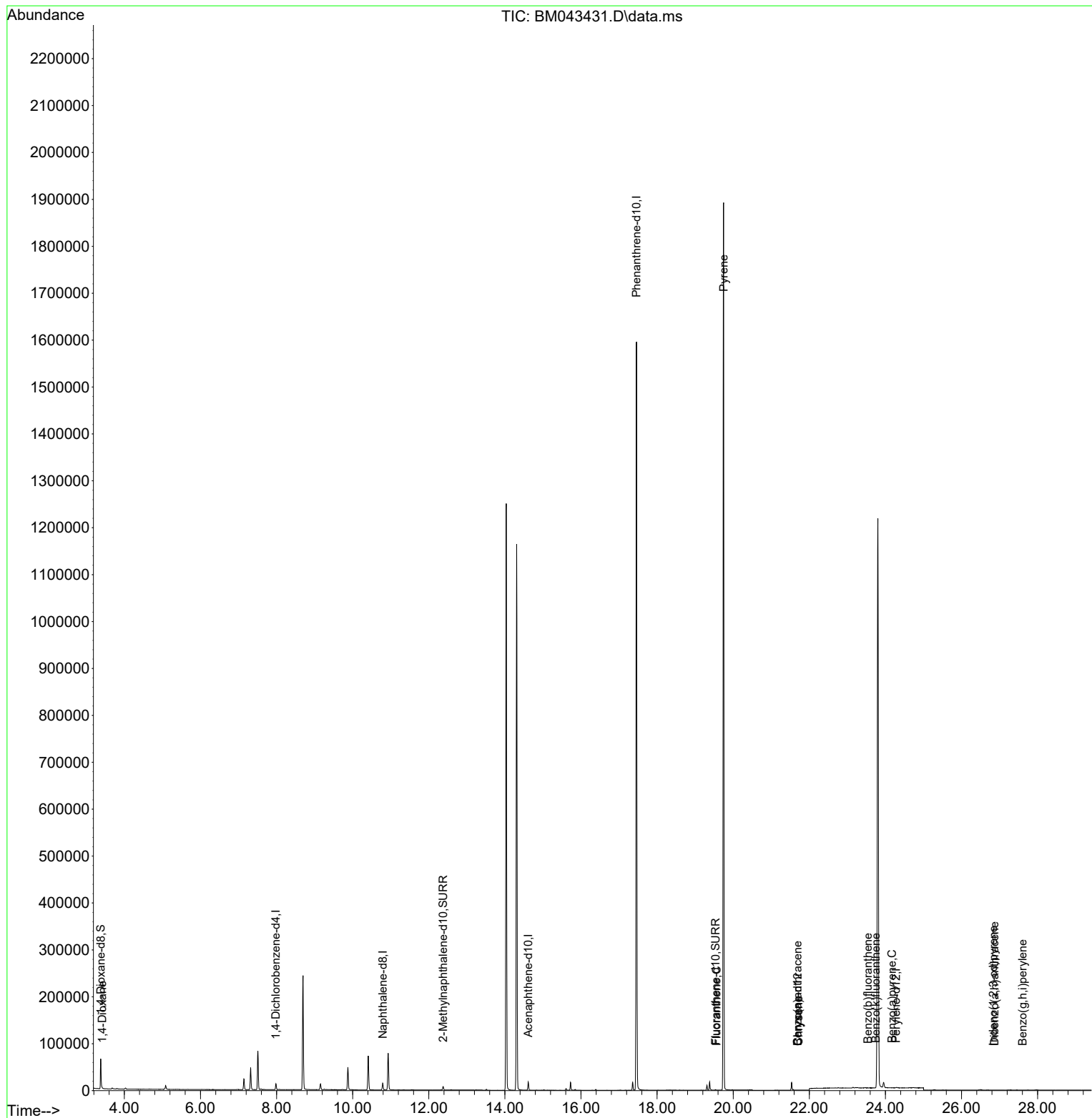
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	6145	0.400	ng/ul	0.00
4) Naphthalene-d8	10.790	136	18915	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.615	164	9652	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.460	188	1756251	0.400	ng/ul	# 0.10
17) Chrysene-d12	21.691	240	12	0.400	ng/ul	# 0.15
23) Perylene-d12	24.281	264	21	0.400	ng/ul	# 0.32
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	37011	4.767	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.379	152	10054	0.375	ng/ul	0.00
18) Fluoranthene-d10	19.534	212	8	0.187	ng/ul	0.15
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.419	88	232	0.030	ng/ul#	1
19) Fluoranthene	19.561	202	15	0.222	ng/ul#	1
20) Pyrene	19.747	202	3941	58.643	ng/ul#	1
21) Benzo(a)anthracene	21.694	228	5	0.095	ng/ul#	1
22) Chrysene	21.720	228	24	0.432	ng/ul#	1
24) Benzo(b)fluoranthene	23.541	252	4	0.042	ng/ul#	1
25) Benzo(k)fluoranthene	23.746	252	211	2.134	ng/ul#	1
26) Benzo(a)pyrene	24.173	252	36	0.458	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.837	276	5	0.056	ng/ul#	1
28) Dibenzo(a,h)anthracene	26.867	278	5	0.070	ng/ul#	1
29) Benzo(g,h,i)perylene	27.605	276	4	0.052	ng/ul#	1

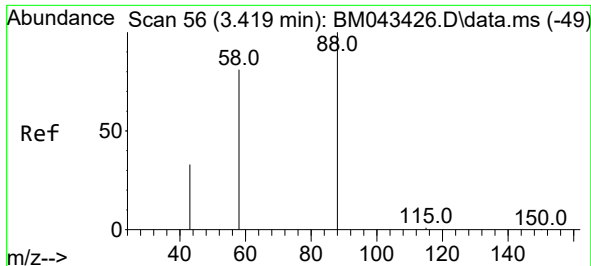
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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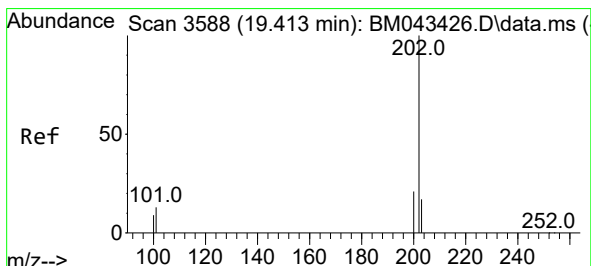
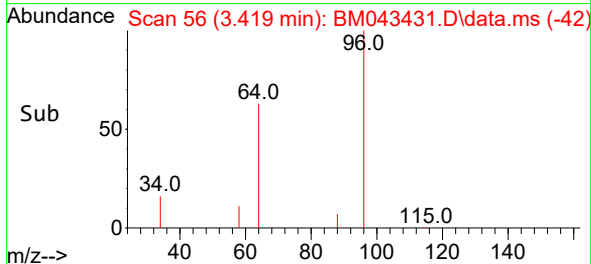
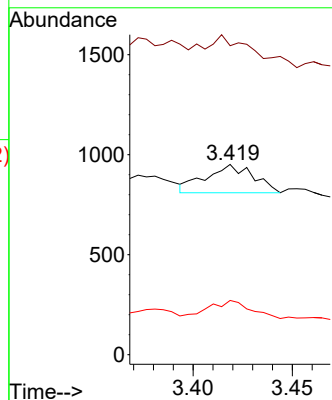
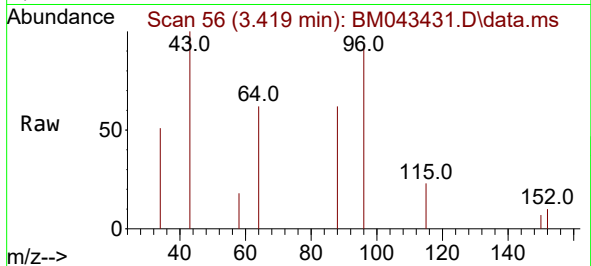




#2
1,4-Dioxane
Concen: 0.030 ng/ul
RT: 3.419 min Scan# 50
Delta R.T. 0.000 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

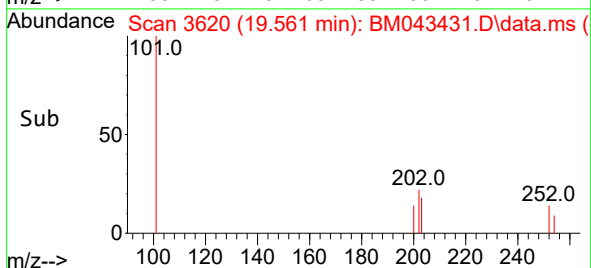
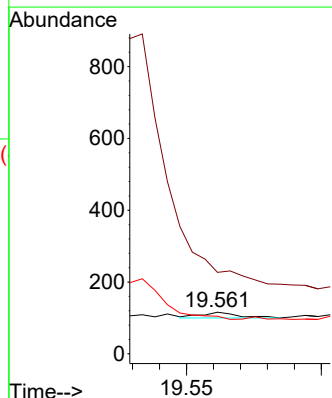
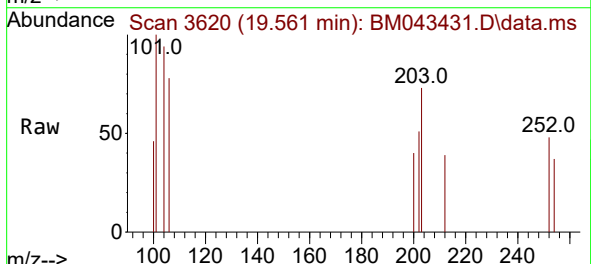
Instrument :
BNA_M
ClientSampleId :
H0AA5

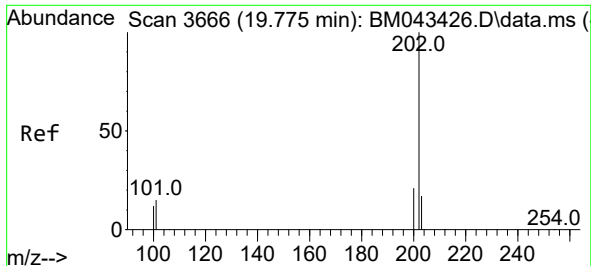
Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 162.5 27.9 41.9#
58 28.5 43.4 65.2#



#19
Fluoranthene
Concen: 0.222 ng/ul
RT: 19.561 min Scan# 3620
Delta R.T. 0.149 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

Tgt Ion: 202 Resp: 15
Ion Ratio Lower Upper
202 100
101 195.7 10.1 15.1#
100 90.5 7.4 11.2#

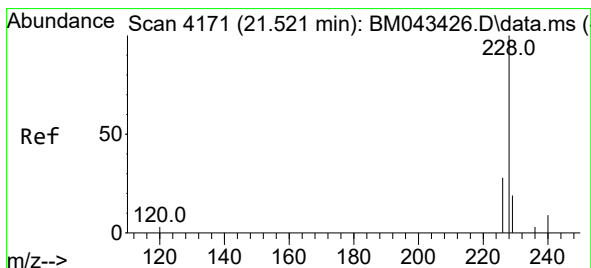
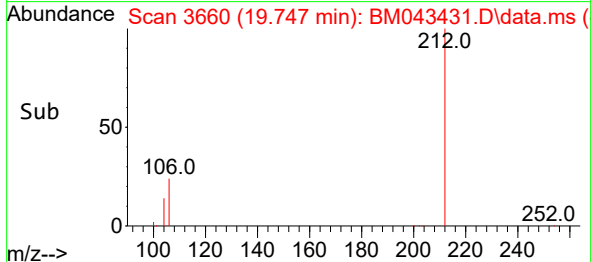
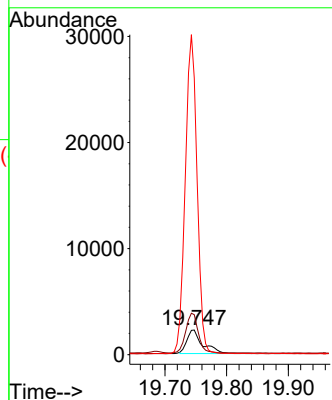
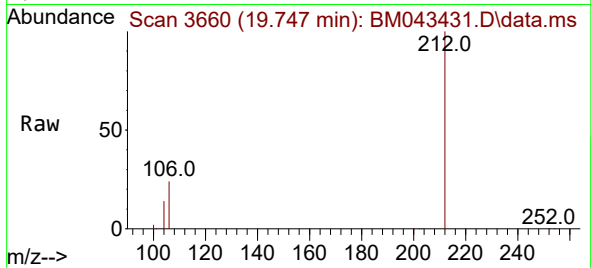




#20
Pyrene
Concen: 58.643 ng/ul
RT: 19.747 min Scan# 30
Delta R.T. -0.028 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

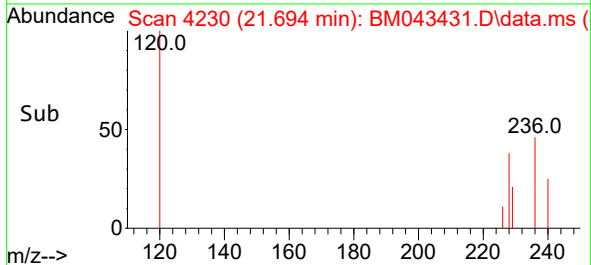
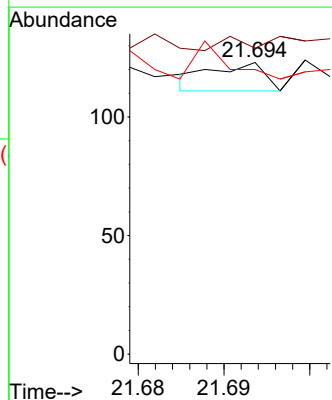
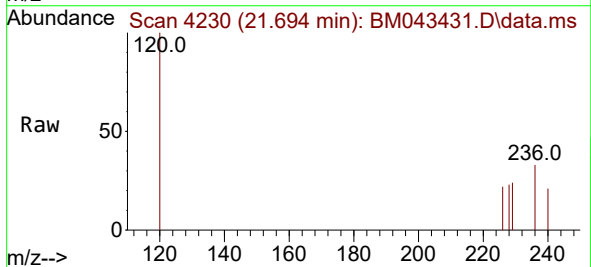
Instrument :
BNA_M
ClientSampleId :
H0AA5

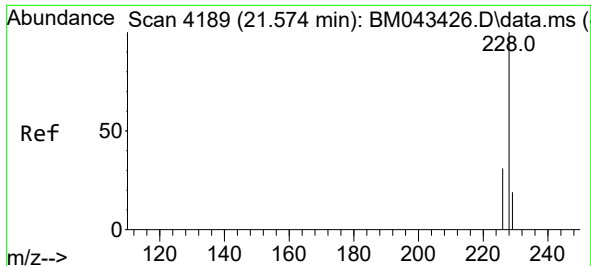
Tgt Ion:202 Resp: 3941
Ion Ratio Lower Upper
202 100
101 162.0 12.7 19.1#
100 1119.5 9.8 14.8#



#21
Benzo(a)anthracene
Concen: 0.095 ng/ul
RT: 21.694 min Scan# 4230
Delta R.T. 0.172 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

Tgt Ion:228 Resp: 5
Ion Ratio Lower Upper
228 100
229 104.9 15.5 23.3#
226 97.6 22.6 34.0#

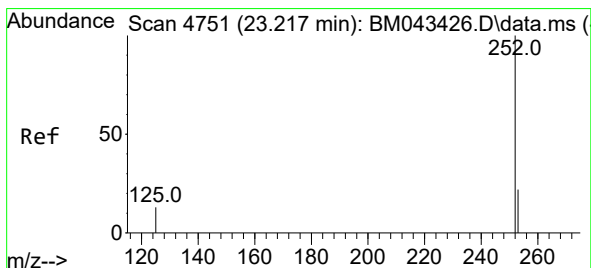
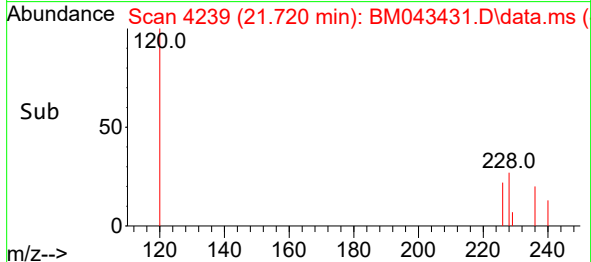
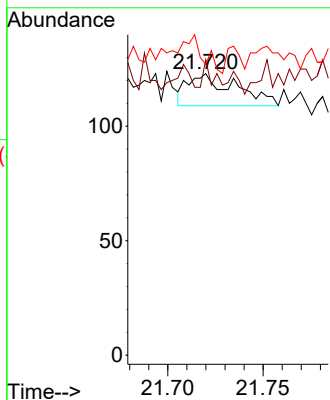
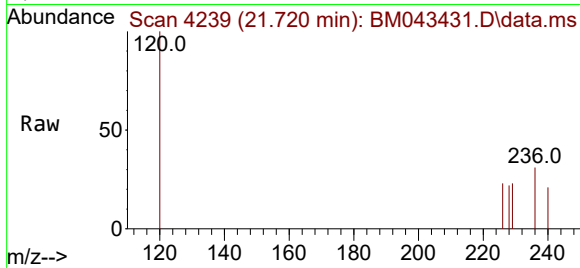




#22
Chrysene
Concen: 0.432 ng/ul
RT: 21.720 min Scan# 4189
Delta R.T. 0.146 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

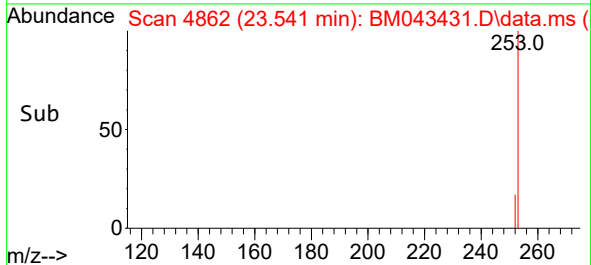
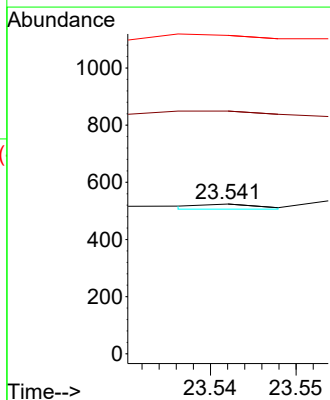
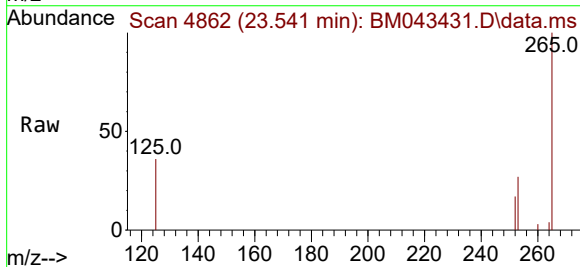
Instrument :
BNA_M
ClientSampleId :
H0AA5

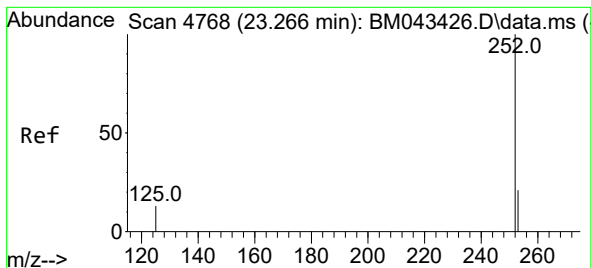
Tgt Ion:228 Resp: 24
Ion Ratio Lower Upper
228 100
226 104.9 24.8 37.2#
229 103.3 15.7 23.5#



#24
Benzo(b)fluoranthene
Concen: 0.042 ng/ul
RT: 23.541 min Scan# 4862
Delta R.T. 0.325 min
Lab File: BM043431.D
Acq: 19 Dec 2023 17:41

Tgt Ion:252 Resp: 4
Ion Ratio Lower Upper
252 100
253 162.0 0.0 48.8#
125 212.6 0.0 29.2#





#25

Benzo(k)fluoranthene

Concen: 2.134 ng/ul

RT: 23.746 min Scan# 4932

Delta R.T. 0.479 min

Lab File: BM043431.D

Acq: 19 Dec 2023 17:41

Instrument :

BNA_M

ClientSampleId :

H0AA5

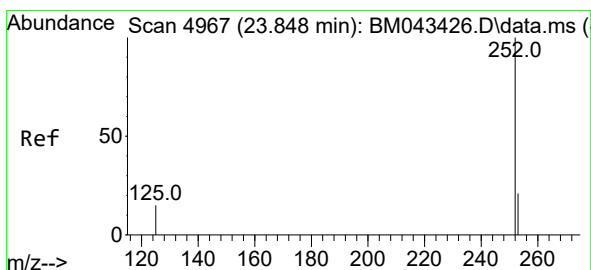
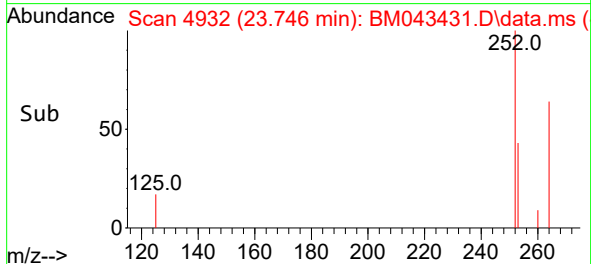
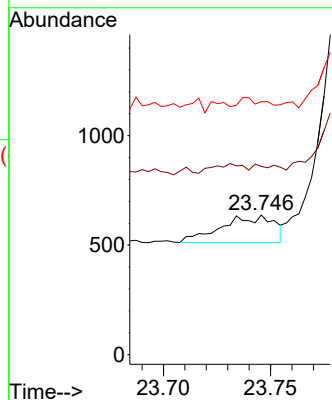
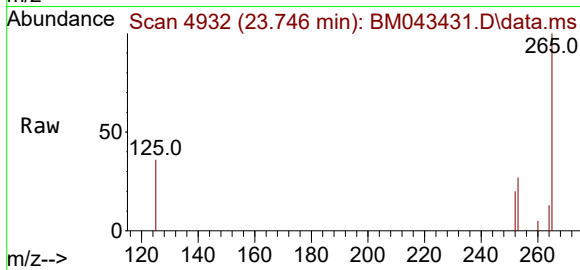
Tgt Ion:252 Resp: 211

Ion Ratio Lower Upper

252 100

253 134.8 18.6 28.0#

125 181.0 11.8 17.8#



#26

Benzo(a)pyrene

Concen: 0.458 ng/ul

RT: 24.173 min Scan# 5078

Delta R.T. 0.325 min

Lab File: BM043431.D

Acq: 19 Dec 2023 17:41

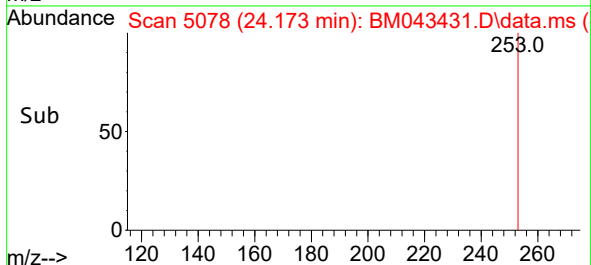
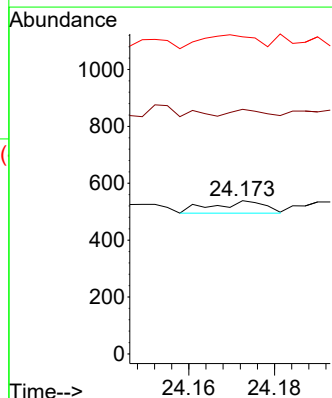
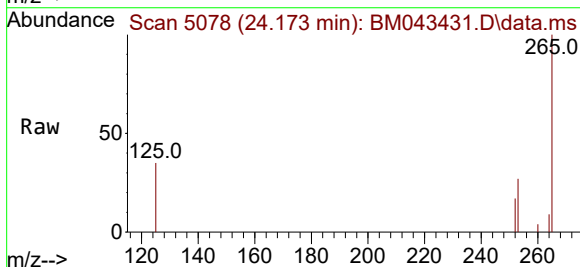
Tgt Ion:252 Resp: 36

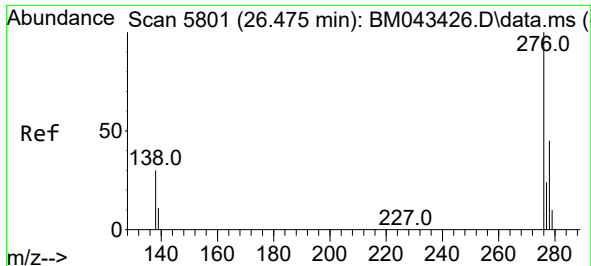
Ion Ratio Lower Upper

252 100

253 159.6 20.2 30.2#

125 206.9 13.5 20.3#

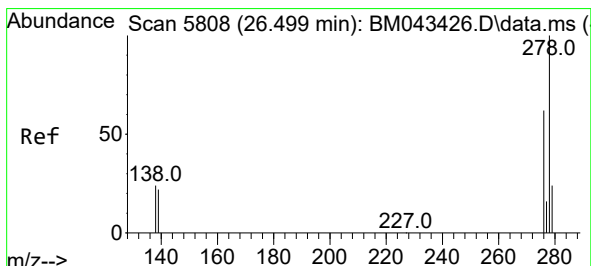
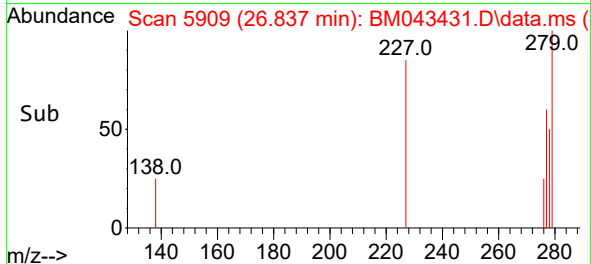
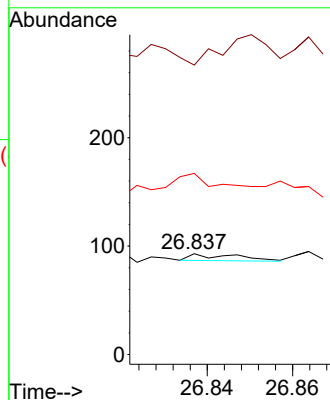
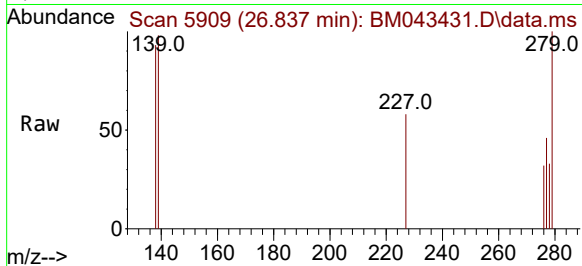




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.056 ng/ul
 RT: 26.837 min Scan# 5909
 Delta R.T. 0.362 min
 Lab File: BM043431.D
 Acq: 19 Dec 2023 17:41

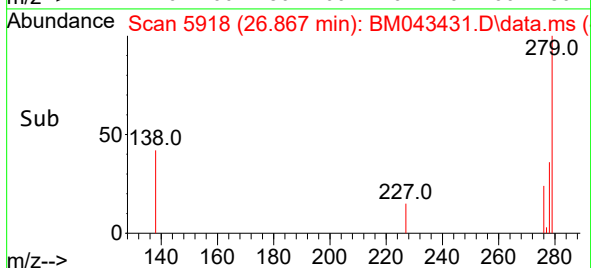
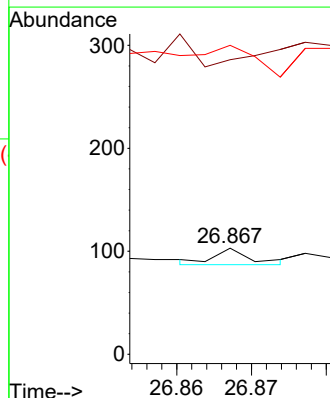
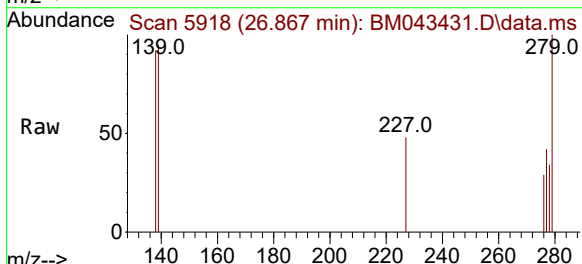
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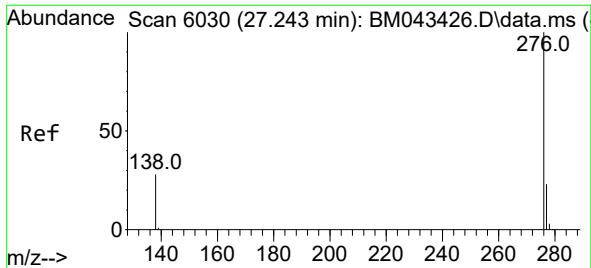
Tgt Ion:276 Resp: 5
 Ion Ratio Lower Upper
 276 100
 138 160.0 24.6 36.8#
 227 620.0 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.070 ng/ul
 RT: 26.867 min Scan# 5918
 Delta R.T. 0.369 min
 Lab File: BM043431.D
 Acq: 19 Dec 2023 17:41

Tgt Ion:278 Resp: 5
 Ion Ratio Lower Upper
 278 100
 139 277.7 17.4 26.2#
 279 291.3 20.9 31.3#





#29

Benzo(g,h,i)perylene

Concen: 0.052 ng/ul

RT: 27.605 min Scan# 61

Delta R.T. 0.362 min

Lab File: BM043431.D

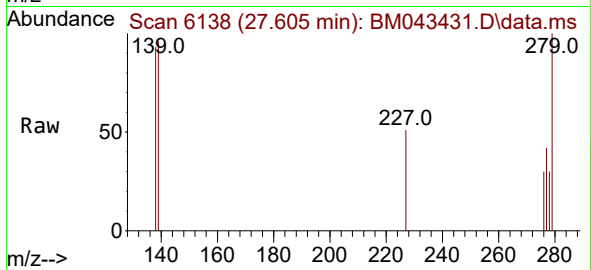
Acq: 19 Dec 2023 17:41

Instrument :

BNA_M

ClientSampleId :

H0AA5



Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

138 314.3 23.1 34.7#

277 140.7 19.4 29.0#

