

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051523\
 Data File : BM039931.D
 Acq On : 15 May 2023 19:27
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SICV035

Quant Time: May 16 01:07:20 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 01:04:12 2023
 Response via : Initial Calibration

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

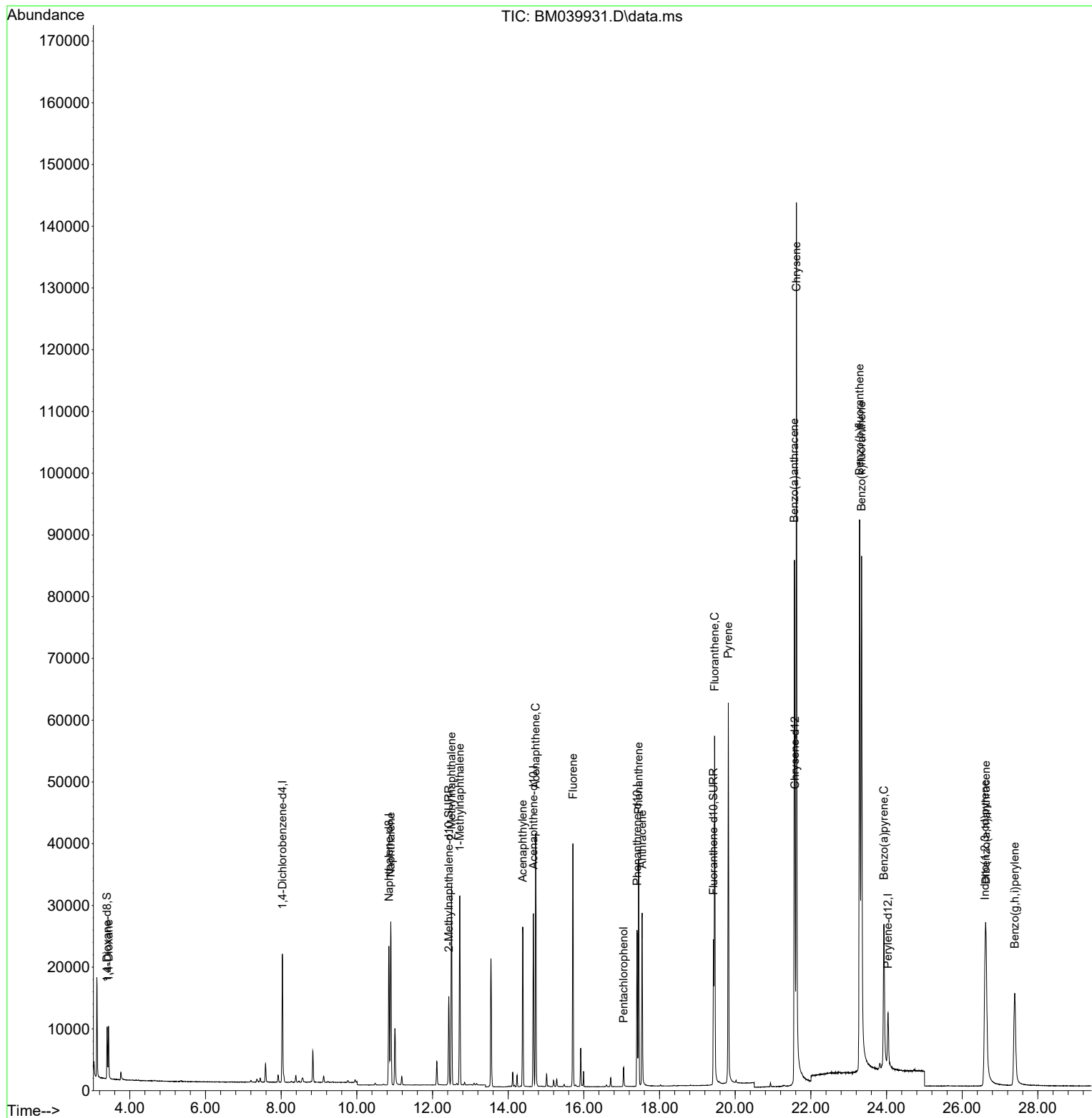
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	9838	0.400	ng/ul	0.00
4) Naphthalene-d8	10.847	136	29339	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.667	164	14452	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	27938	0.400	ng/ul	0.00
17) Chrysene-d12	21.581	240	17839	0.400	ng/ul	0.00
23) Perylene-d12	24.039	264	12404	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	5365	0.450	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.430	152	17726	0.497	ng/ul	0.00
18) Fluoranthene-d10	19.428	212	23215	0.673	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	5636	0.445	ng/ul	95
5) Naphthalene	10.896	128	34721	0.458	ng/ul	100
7) 2-Methylnaphthalene	12.502	142	21718	0.480	ng/ul	100
8) 1-Methylnaphthalene	12.722	142	20451	0.433	ng/ul	100
10) Acenaphthylene	14.384	152	28075	0.454	ng/ul	100
11) Acenaphthene	14.727	153	22530	0.462	ng/ul	100
12) Fluorene	15.712	166	24107	0.427	ng/ul	99
14) Pentachlorophenol	17.051	266	2135	0.337	ng/ul	97
15) Phenanthrene	17.448	178	37851	0.213	ng/ul	99
16) Anthracene	17.540	178	31042	0.274	ng/ul	100
19) Fluoranthene	19.456	202	49908	0.166	ng/ul	96
20) Pyrene	19.818	202	50572	0.154	ng/ul	99
21) Benzo(a)anthracene	21.563	228	77811	0.159	ng/ul	100
22) Chrysene	21.619	228	133209	0.190	ng/ul	100
24) Benzo(b)fluoranthene	23.288	252	121999	0.313	ng/ul	99
25) Benzo(k)fluoranthene	23.337	252	120535	0.302	ng/ul	100
26) Benzo(a)pyrene	23.931	252	41451	0.261	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.604	276	47655	0.372	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.627	278	34088	0.355	ng/ul	99
29) Benzo(g,h,i)perylene	27.388	276	37440	0.374	ng/ul	100

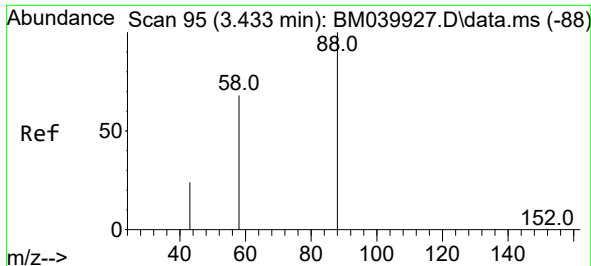
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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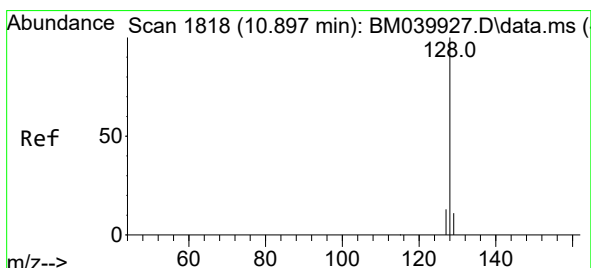
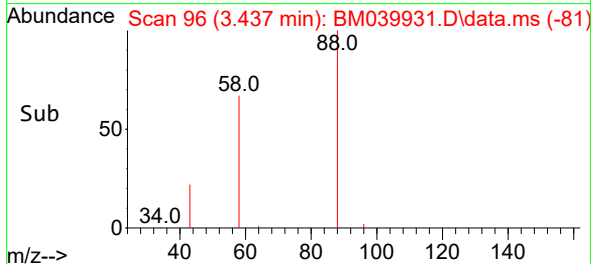
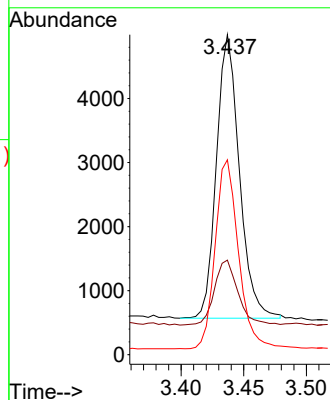
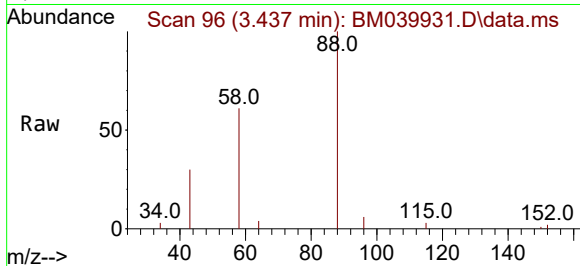




#2
1,4-Dioxane
Concen: 0.445 ng/ul
RT: 3.437 min Scan# 90
Delta R.T. 0.004 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

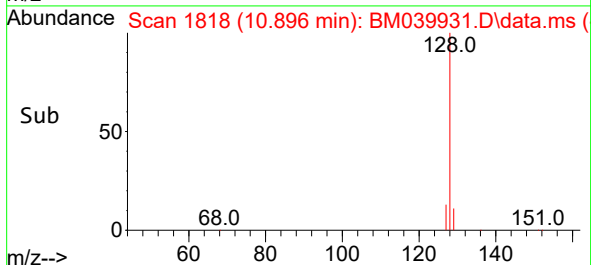
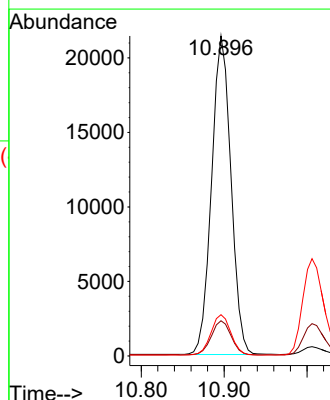
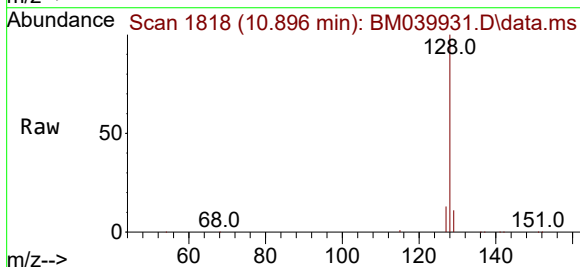
Instrument :
BNA_M
ClientSampleId :
SICV035

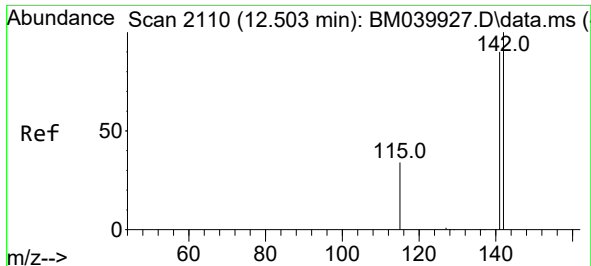
Tgt Ion: 88 Resp: 5636
Ion Ratio Lower Upper
88 100
43 29.5 29.0 43.4
58 60.9 49.3 73.9



#5
Naphthalene
Concen: 0.458 ng/ul
RT: 10.896 min Scan# 1818
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion: 128 Resp: 34721
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.5 15.7

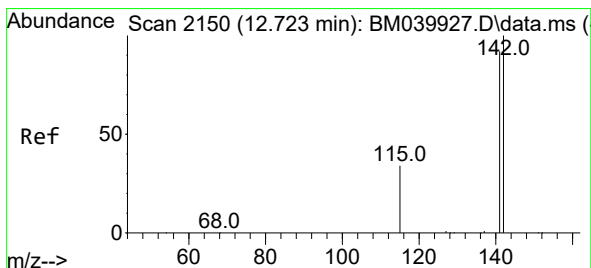
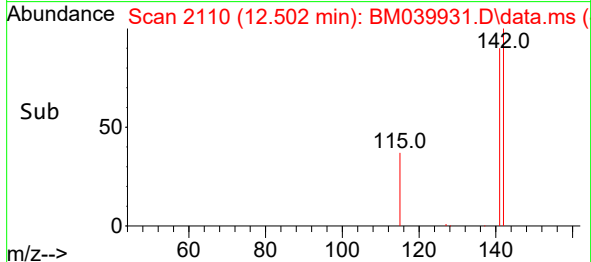
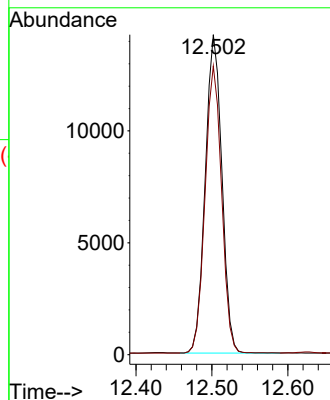
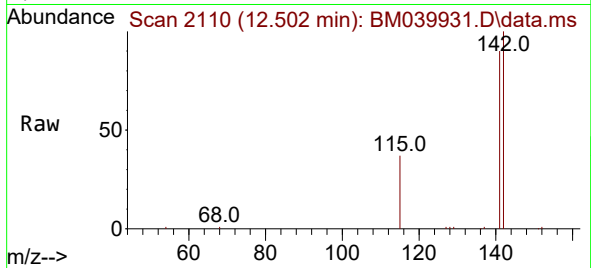




#7
2-Methylnaphthalene
Concen: 0.480 ng/ul
RT: 12.502 min Scan# 2110
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

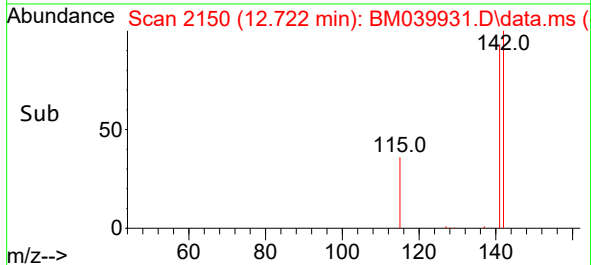
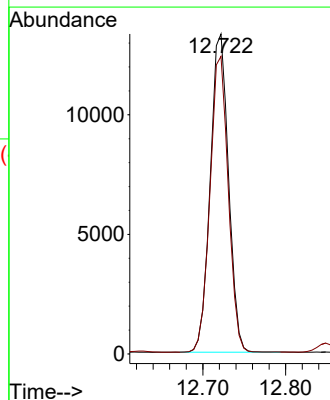
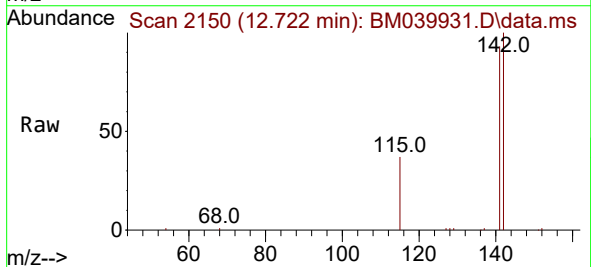
Instrument :
BNA_M
ClientSampleId :
SICV035

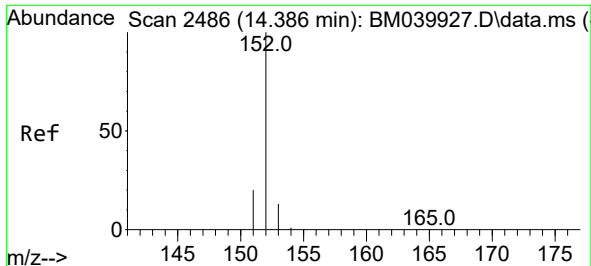
Tgt Ion:142 Resp: 21718
Ion Ratio Lower Upper
142 100
141 89.8 72.0 108.0



#8
1-Methylnaphthalene
Concen: 0.433 ng/ul
RT: 12.722 min Scan# 2150
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:142 Resp: 20451
Ion Ratio Lower Upper
142 100
141 92.8 74.3 111.5

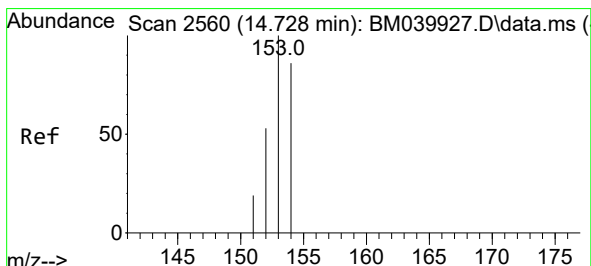
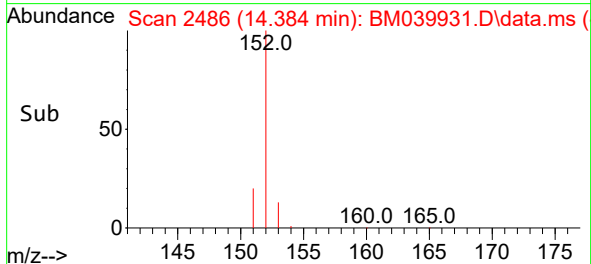
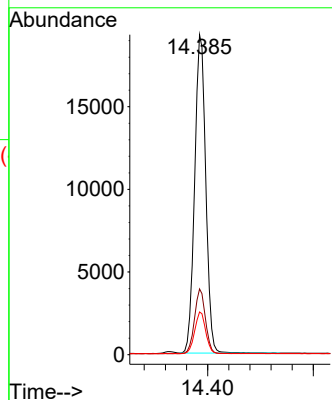
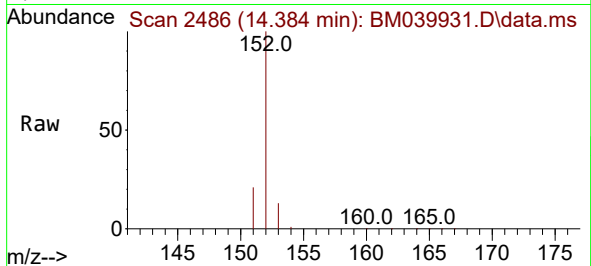




#10
Acenaphthylene
Concen: 0.454 ng/ul
RT: 14.384 min Scan# 2486
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

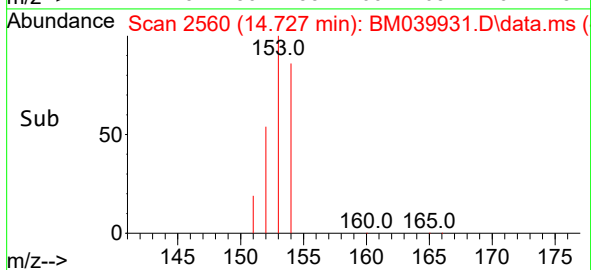
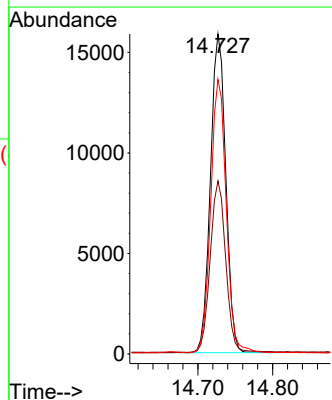
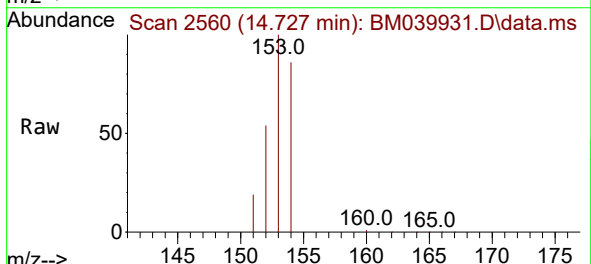
Instrument :
BNA_M
ClientSampleId :
SICV035

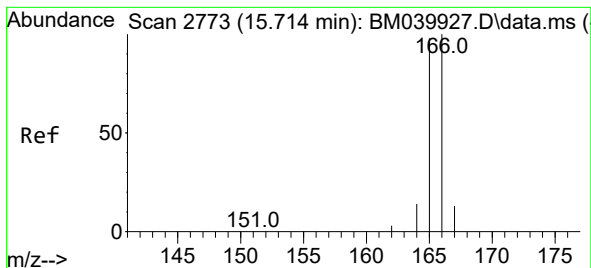
Tgt Ion:	152	Resp:	28075
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	13.4	10.7	16.1



#11
Acenaphthene
Concen: 0.462 ng/ul
RT: 14.727 min Scan# 2560
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:	153	Resp:	22530
Ion Ratio	Lower	Upper	
153	100		
152	54.1	42.6	63.8
154	85.8	68.6	103.0





#12

Fluorene

Concen: 0.427 ng/ul

RT: 15.712 min Scan# 21

Delta R.T. -0.001 min

Lab File: BM039931.D

Acq: 15 May 2023 19:27

Instrument :

BNA_M

ClientSampleId :

SICV035

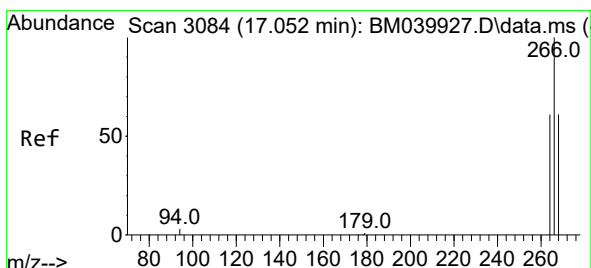
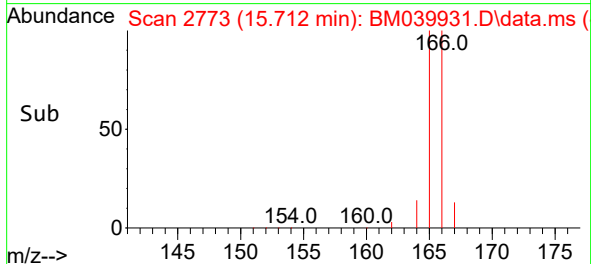
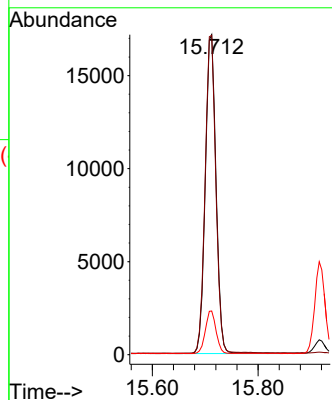
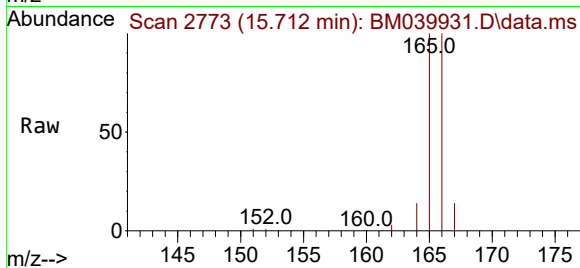
Tgt Ion:166 Resp: 24107

Ion Ratio Lower Upper

166 100

165 99.8 78.8 118.2

167 13.6 10.9 16.3



#14

Pentachlorophenol

Concen: 0.337 ng/ul

RT: 17.051 min Scan# 3084

Delta R.T. -0.001 min

Lab File: BM039931.D

Acq: 15 May 2023 19:27

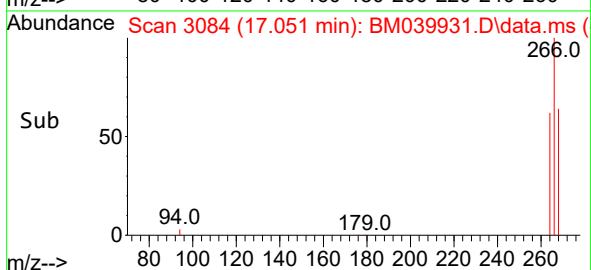
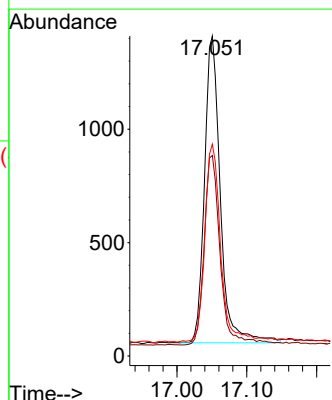
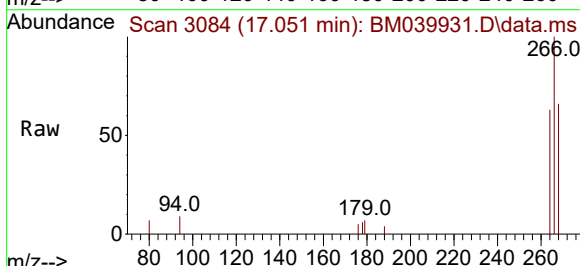
Tgt Ion:266 Resp: 2135

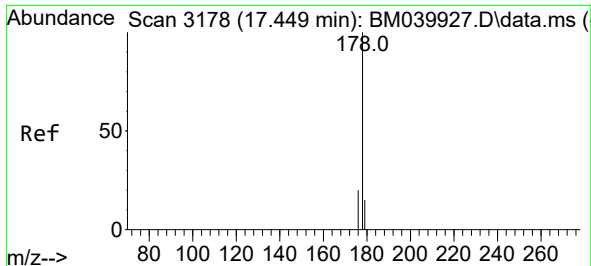
Ion Ratio Lower Upper

266 100

264 63.1 49.6 74.4

268 65.6 49.6 74.4

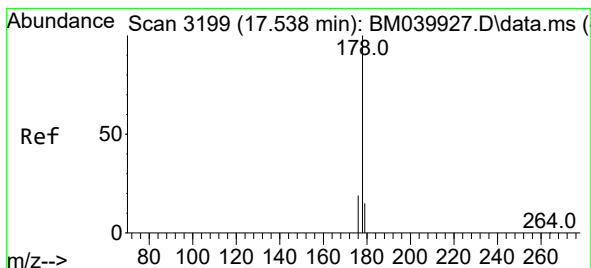
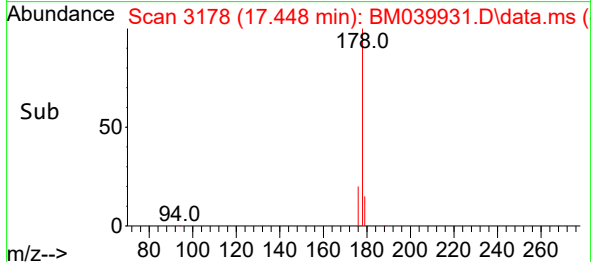
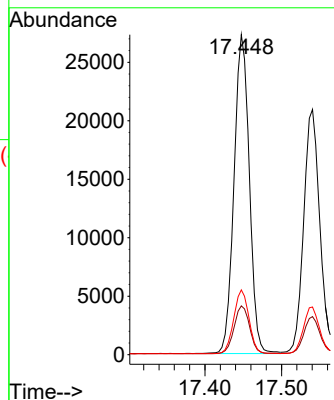
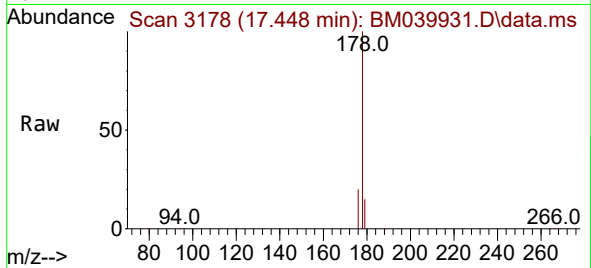




#15
Phenanthrene
Concen: 0.213 ng/ul
RT: 17.448 min Scan# 3178
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

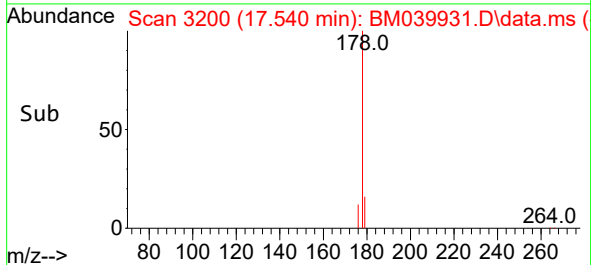
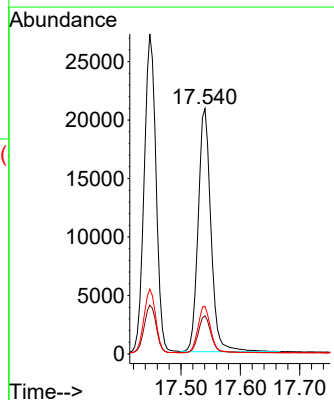
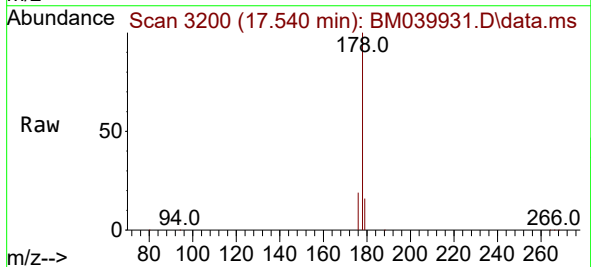
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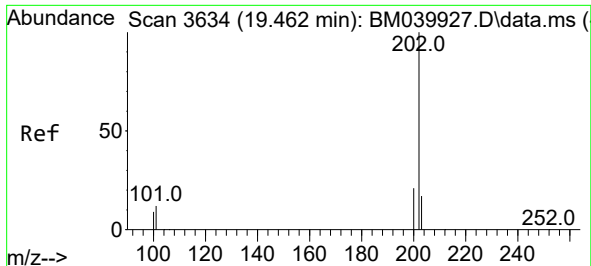
Tgt Ion:178 Resp: 37851
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 20.3 16.0 24.0



#16
Anthracene
Concen: 0.274 ng/ul
RT: 17.540 min Scan# 3200
Delta R.T. 0.003 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:178 Resp: 31042
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 19.5 15.6 23.4

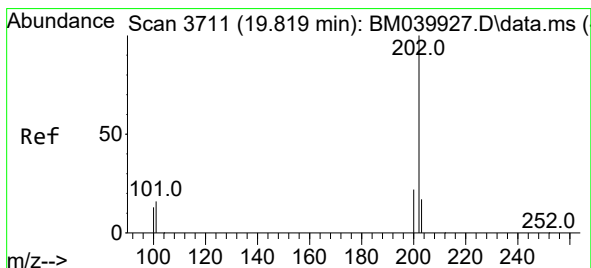
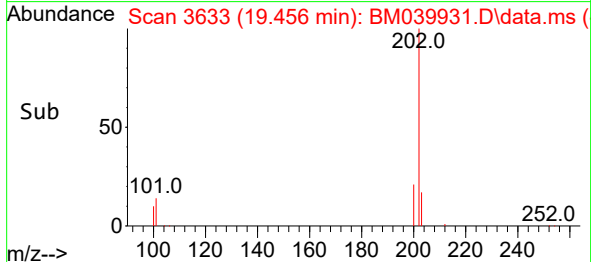
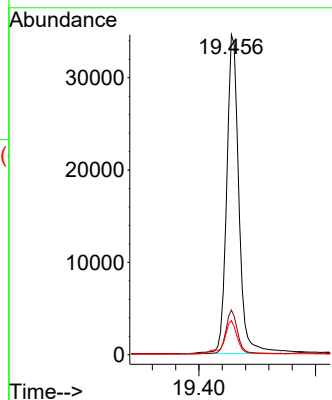
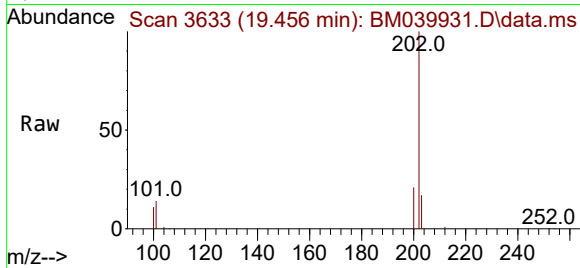




#19
Fluoranthene
Concen: 0.166 ng/ul
RT: 19.456 min Scan# 3633
Delta R.T. -0.006 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

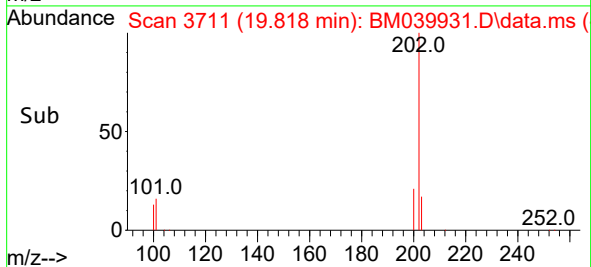
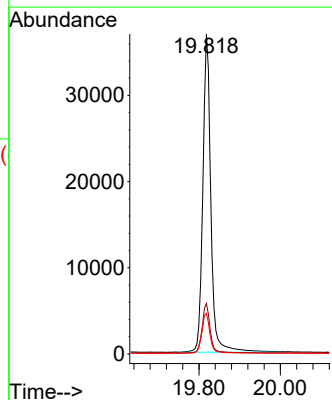
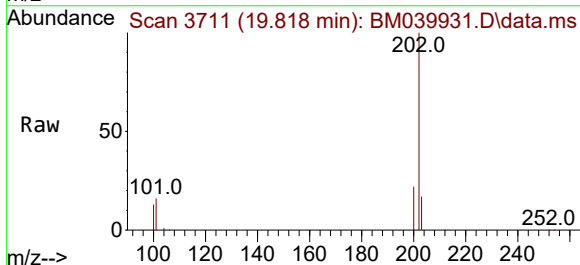
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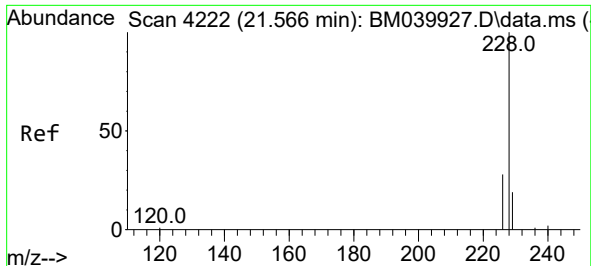
Tgt Ion:202 Resp: 49908
Ion Ratio Lower Upper
202 100
101 13.9 9.9 14.9
100 10.6 7.4 11.0



#20
Pyrene
Concen: 0.154 ng/ul
RT: 19.818 min Scan# 3711
Delta R.T. -0.001 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:202 Resp: 50572
Ion Ratio Lower Upper
202 100
101 15.8 12.7 19.1
100 12.7 10.4 15.6

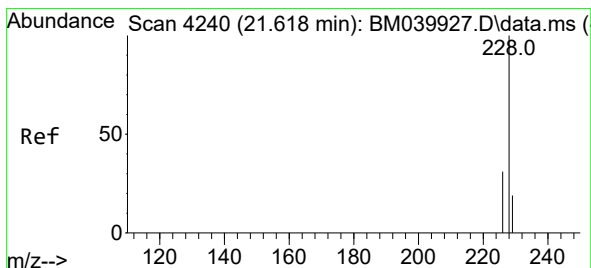
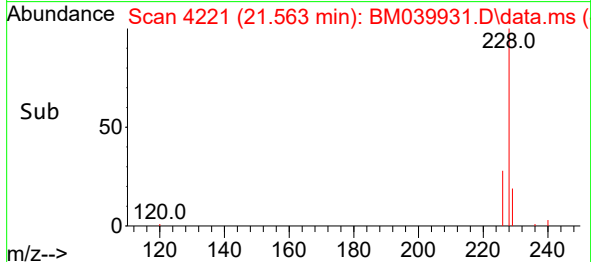
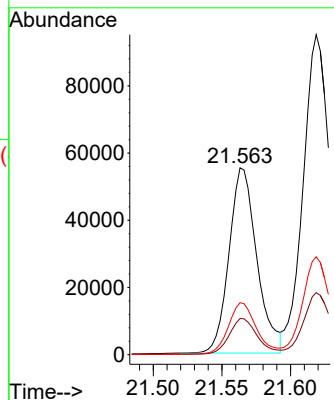
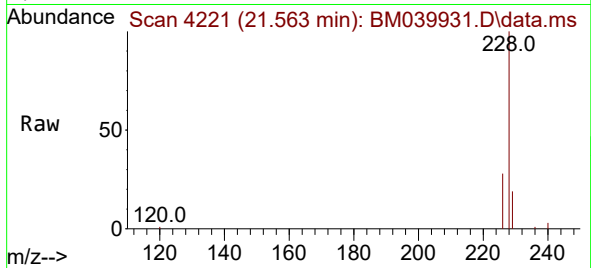




#21
Benzo(a)anthracene
Concen: 0.159 ng/ul
RT: 21.563 min Scan# 4222
Delta R.T. -0.003 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

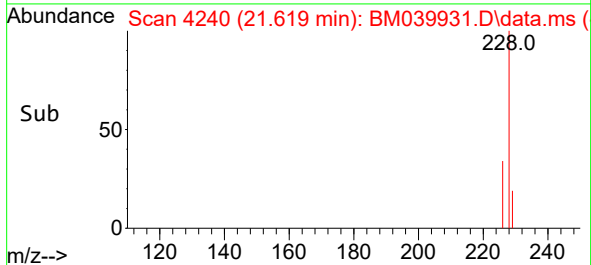
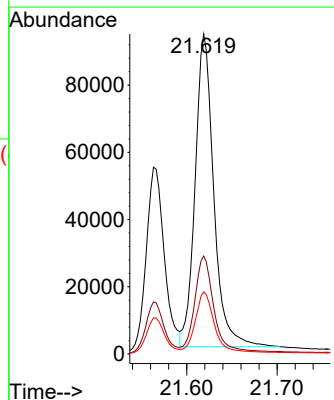
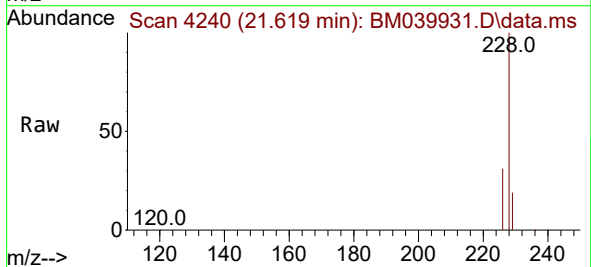
Instrument :
BNA_M
ClientSampleId :
SICV035

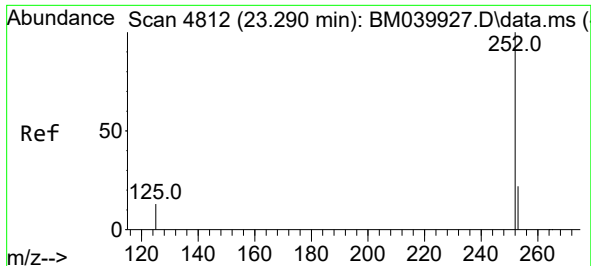
Tgt Ion:228 Resp: 77811
Ion Ratio Lower Upper
228 100
229 19.3 15.5 23.3
226 27.8 22.2 33.4



#22
Chrysene
Concen: 0.190 ng/ul
RT: 21.619 min Scan# 4240
Delta R.T. 0.000 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:228 Resp: 133209
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 19.4 15.4 23.2

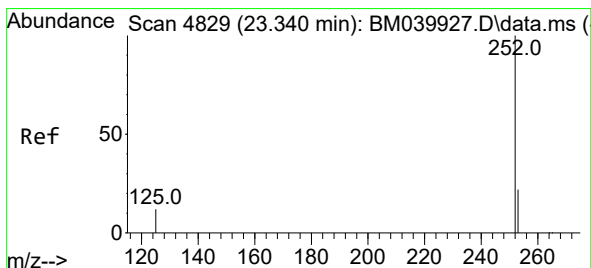
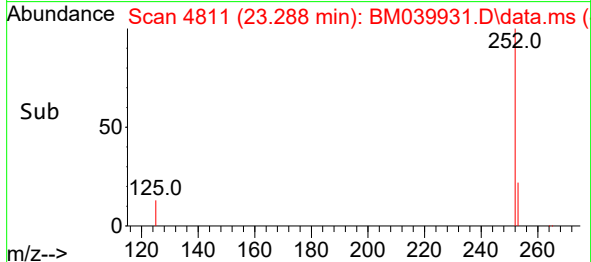
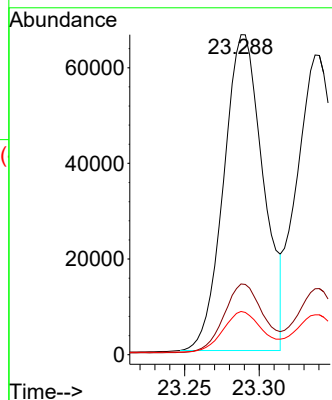
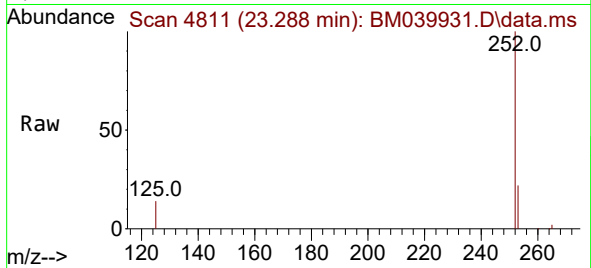




#24
Benzo(b)fluoranthene
Concen: 0.313 ng/ul
RT: 23.288 min Scan# 4811
Delta R.T. -0.003 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

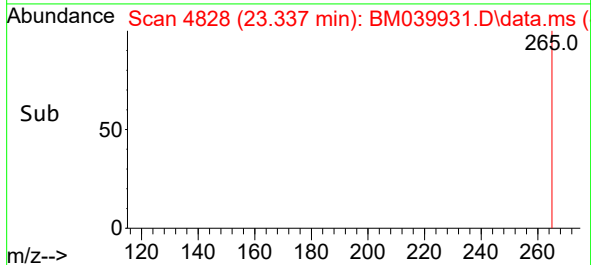
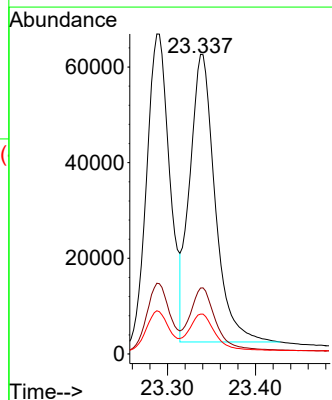
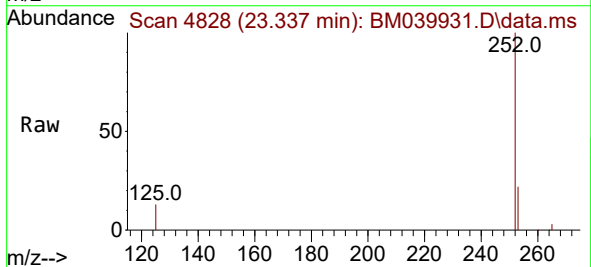
Instrument :
BNA_M
ClientSampleId :
SICV035

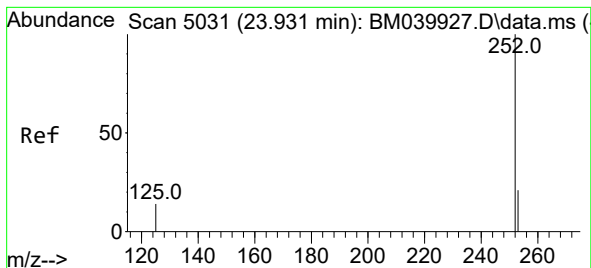
Tgt Ion:252 Resp: 121999
Ion Ratio Lower Upper
252 100
253 22.1 0.0 43.8
125 13.5 0.0 26.4



#25
Benzo(k)fluoranthene
Concen: 0.302 ng/ul
RT: 23.337 min Scan# 4828
Delta R.T. -0.003 min
Lab File: BM039931.D
Acq: 15 May 2023 19:27

Tgt Ion:252 Resp: 120535
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 13.3 10.6 15.8





#26

Benzo(a)pyrene

Concen: 0.261 ng/ul

RT: 23.931 min Scan# 5031

Delta R.T. 0.000 min

Lab File: BM039931.D

Acq: 15 May 2023 19:27

Instrument :

BNA_M

ClientSampleId :

SICV035

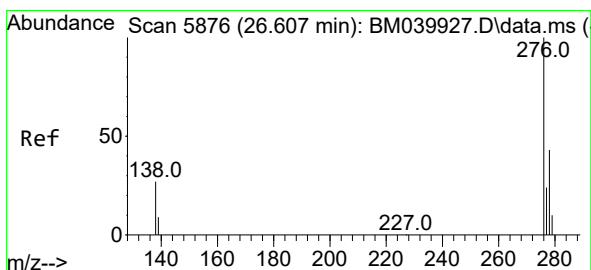
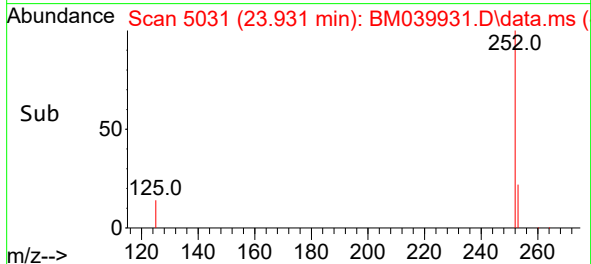
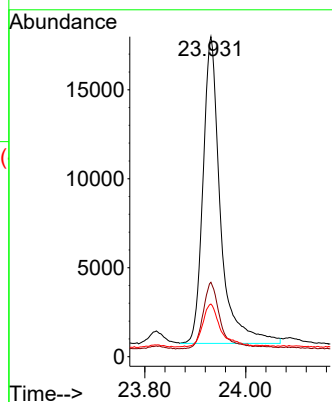
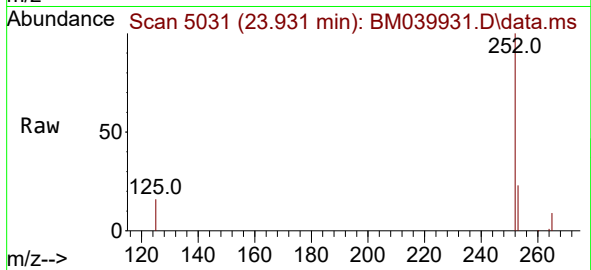
Tgt Ion:252 Resp: 41451

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 16.5 12.3 18.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng/ul

RT: 26.604 min Scan# 5875

Delta R.T. -0.003 min

Lab File: BM039931.D

Acq: 15 May 2023 19:27

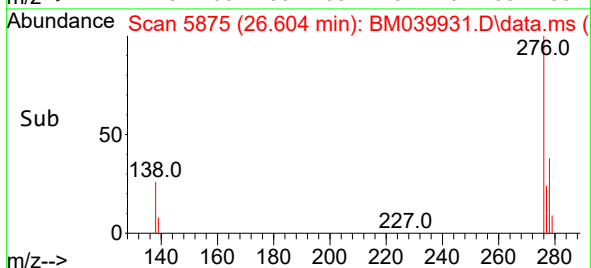
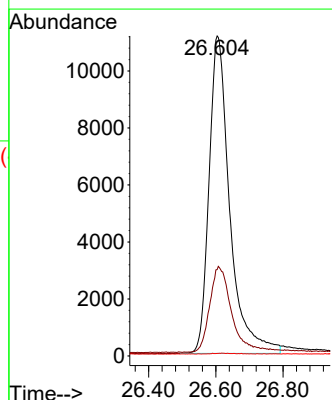
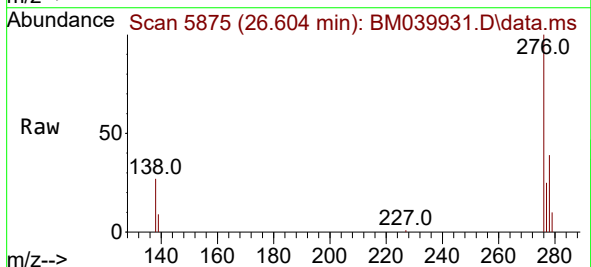
Tgt Ion:276 Resp: 47655

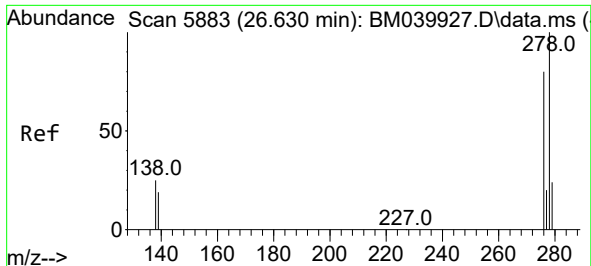
Ion Ratio Lower Upper

276 100

138 28.5 23.0 34.4

227 0.1 0.2 0.2#

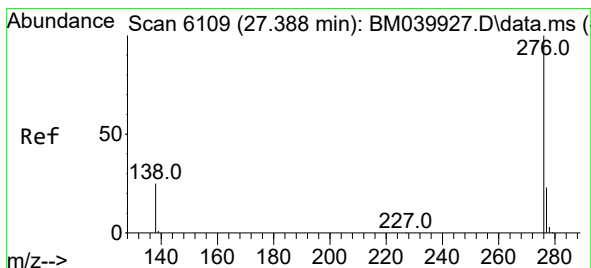
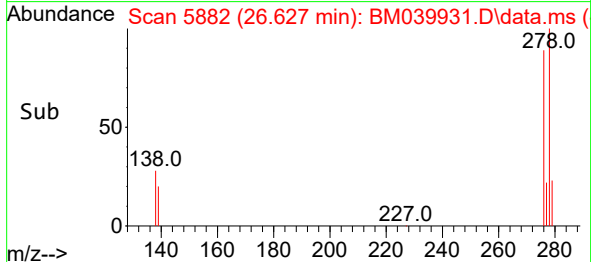
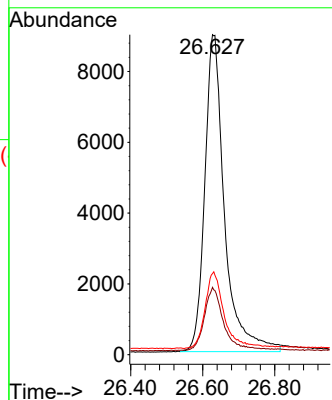
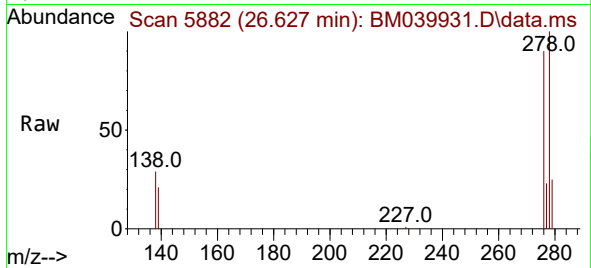




#28
 Dibenzo(a,h)anthracene
 Concen: 0.355 ng/ul
 RT: 26.627 min Scan# 5882
 Delta R.T. -0.003 min
 Lab File: BM039931.D
 Acq: 15 May 2023 19:27

Instrument :
 BNA_M
 ClientSampleId :
 SICV035

Tgt Ion:278 Resp: 34088
 Ion Ratio Lower Upper
 278 100
 139 21.0 16.3 24.5
 279 25.3 20.3 30.5



#29
 Benzo(g,h,i)perylene
 Concen: 0.374 ng/ul
 RT: 27.388 min Scan# 6109
 Delta R.T. 0.000 min
 Lab File: BM039931.D
 Acq: 15 May 2023 19:27

Tgt Ion:276 Resp: 37440
 Ion Ratio Lower Upper
 276 100
 138 25.8 20.7 31.1
 277 24.3 19.2 28.8

