

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051523\
 Data File : BM039926.D
 Acq On : 15 May 2023 16:25
 Operator : CG/JU
 Sample : SSTD0.253
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.2030

Quant Time: May 16 00:50:44 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 00:46:17 2023
 Response via : Initial Calibration

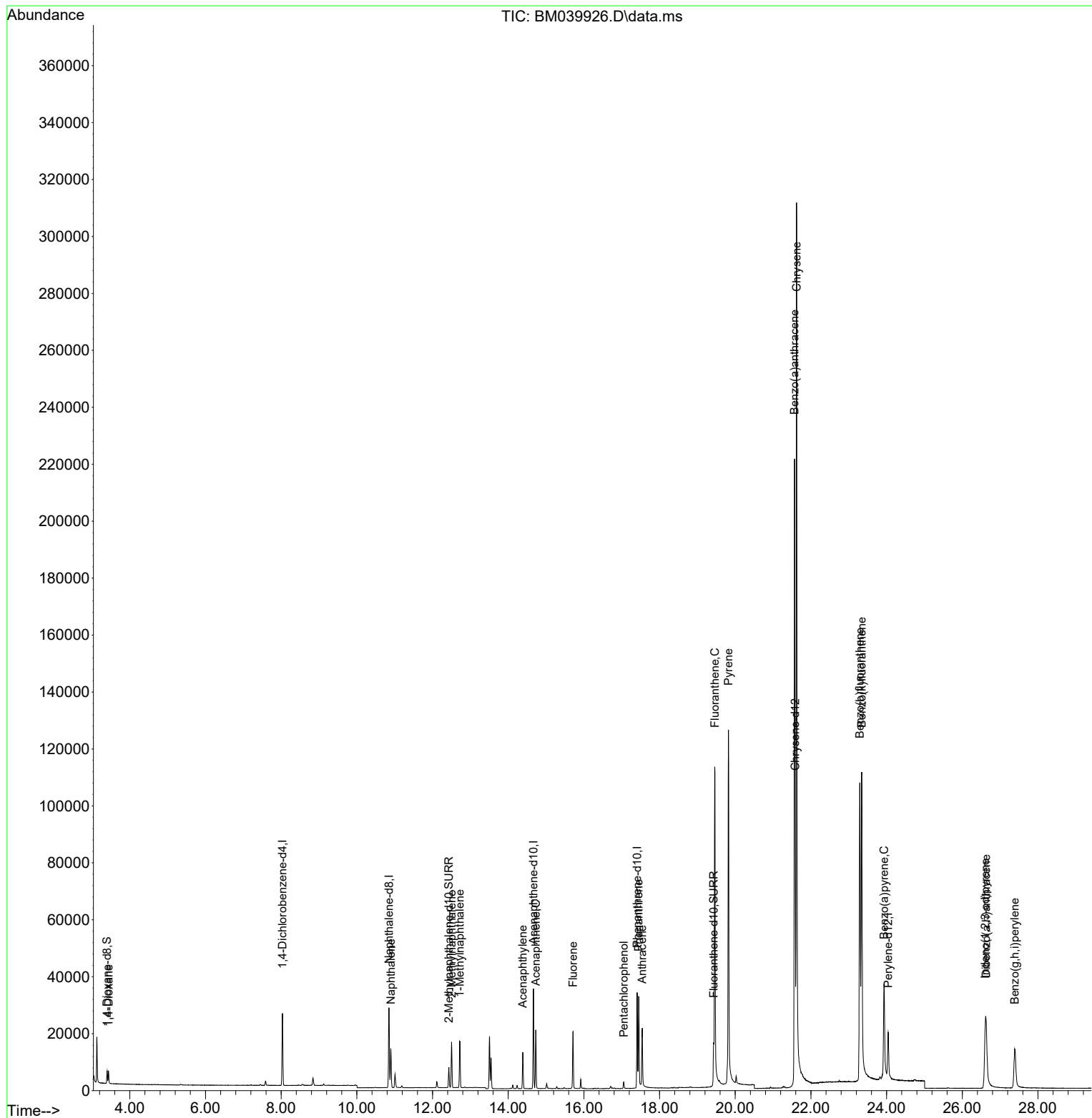
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	12111	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	36558	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.668	164	18139	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	36991	0.400	ng/ul	0.00
17) Chrysene-d12	21.582	240	37252	0.400	ng/ul	0.00
23) Perylene-d12	24.040	264	22750	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	2864	0.160	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	8476	0.181	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	13329	0.133	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	2991	0.162	ng/ul#	86
5) Naphthalene	10.897	128	18107	0.197	ng/ul	99
7) 2-Methylnaphthalene	12.503	142	10614	0.200	ng/ul	99
8) 1-Methylnaphthalene	12.723	142	10961	0.193	ng/ul	99
10) Acenaphthylene	14.386	152	14255	0.203	ng/ul	100
11) Acenaphthene	14.728	153	11295	0.205	ng/ul	100
12) Fluorene	15.713	166	12483	0.204	ng/ul	100
14) Pentachlorophenol	17.052	266	1585	0.197	ng/ul	98
15) Phenanthrene	17.449	178	37603	0.386	ng/ul	100
16) Anthracene	17.542	178	24417	0.292	ng/ul	100
19) Fluoranthene	19.462	202	108343	0.815	ng/ul	100
20) Pyrene	19.819	202	119640	0.834	ng/ul	99
21) Benzo(a)anthracene	21.567	228	194900	1.820	ng/ul	100
22) Chrysene	21.620	228	287597	2.373	ng/ul	100
24) Benzo(b)fluoranthene	23.292	252	147309	1.844	ng/ul	99
25) Benzo(k)fluoranthene	23.342	252	151916	1.867	ng/ul	100
26) Benzo(a)pyrene	23.932	252	59456	0.829	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.608	276	44725	0.493	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.632	278	33106	0.470	ng/ul	100
29) Benzo(g,h,i)perylene	27.386	276	34296	0.434	ng/ul	98

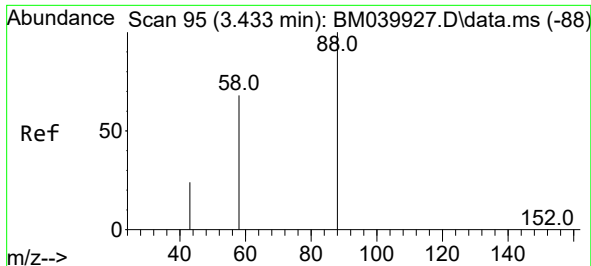
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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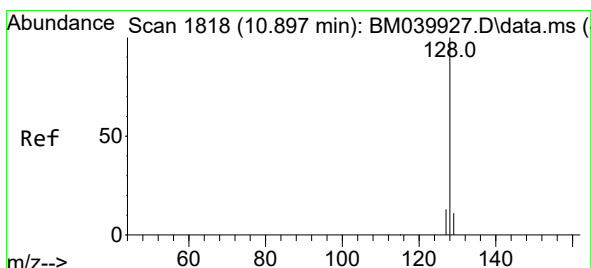
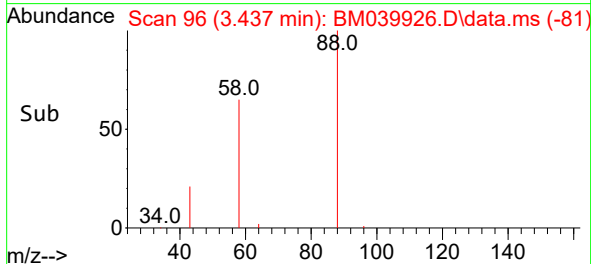
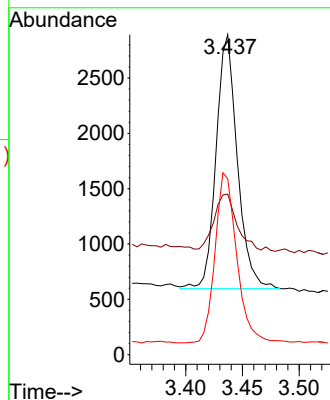
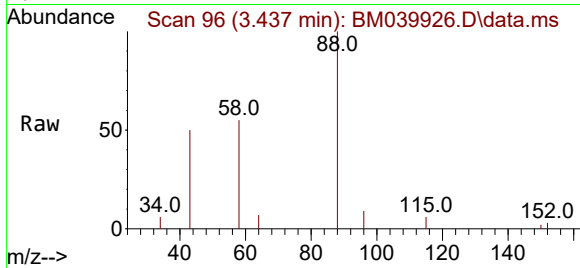




#2
1,4-Dioxane
Concen: 0.162 ng/ul
RT: 3.437 min Scan# 90
Delta R.T. 0.004 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

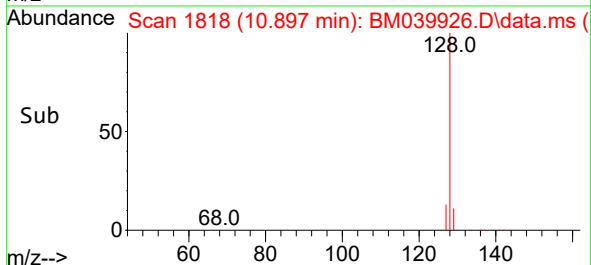
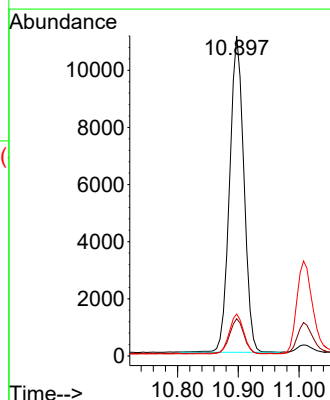
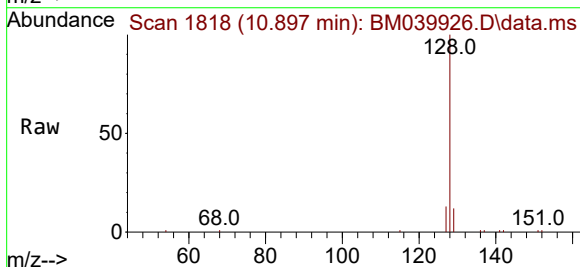
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

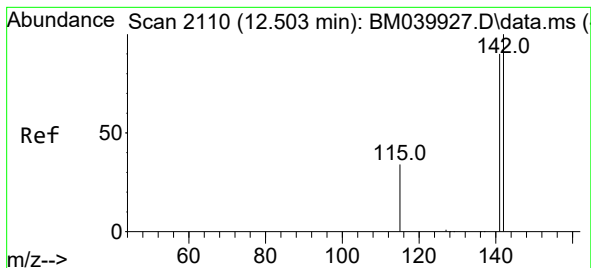
Tgt Ion: 88 Resp: 2991
Ion Ratio Lower Upper
88 100
43 50.2 29.0 43.4#
58 54.9 49.3 73.9



#5
Naphthalene
Concen: 0.197 ng/ul
RT: 10.897 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion: 128 Resp: 18107
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.1 10.5 15.7

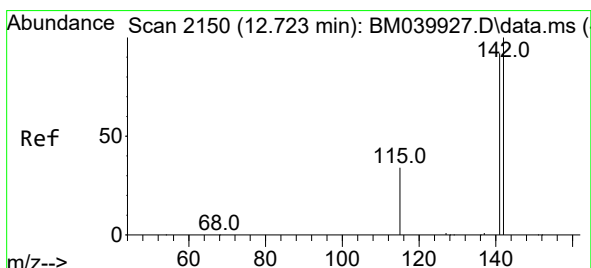
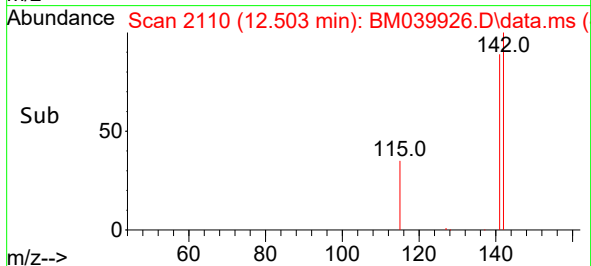
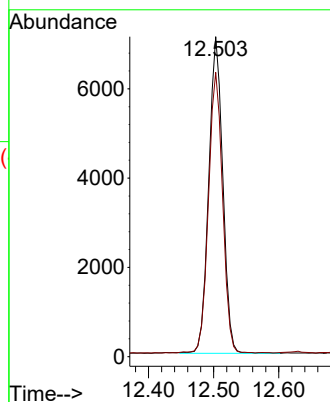
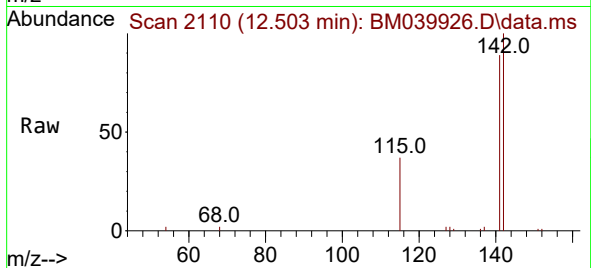




#7
2-Methylnaphthalene
Concen: 0.200 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

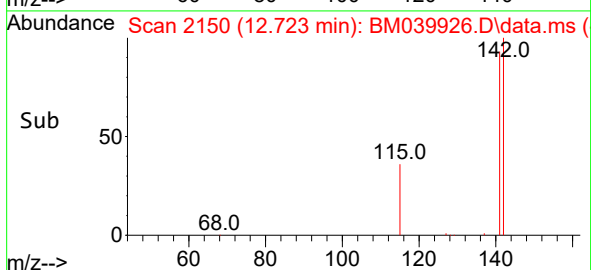
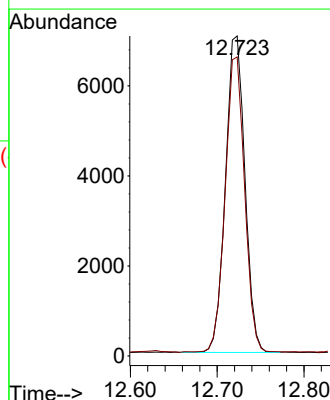
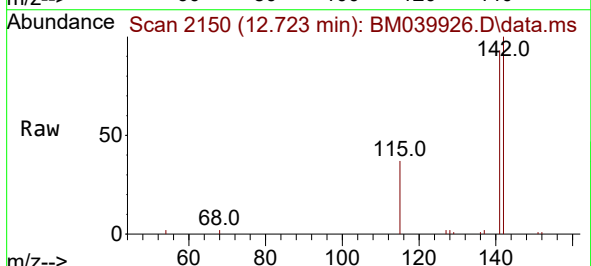
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

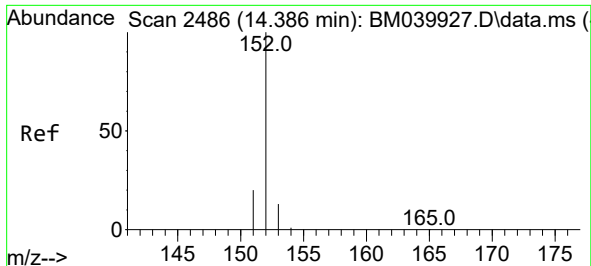
Tgt Ion:142 Resp: 10614
Ion Ratio Lower Upper
142 100
141 89.1 72.0 108.0



#8
1-Methylnaphthalene
Concen: 0.193 ng/ul
RT: 12.723 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:142 Resp: 10961
Ion Ratio Lower Upper
142 100
141 93.4 74.3 111.5

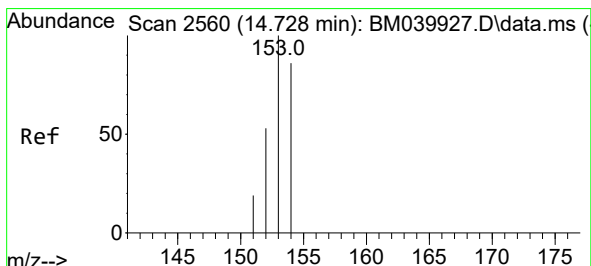
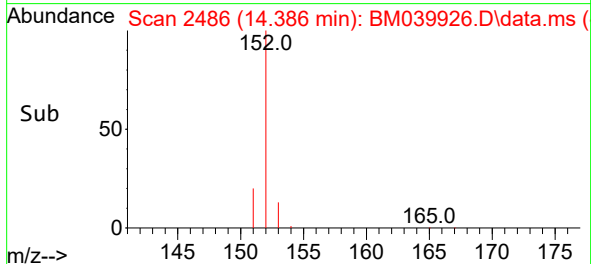
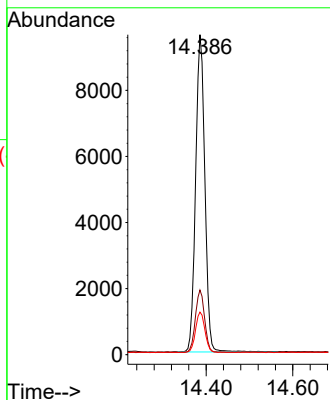
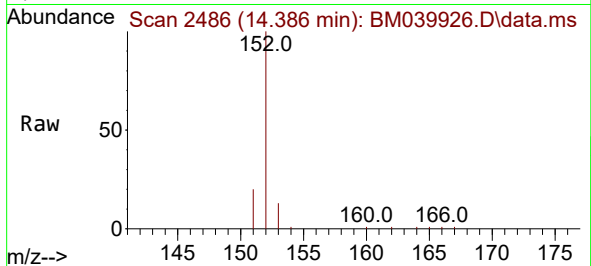




#10
Acenaphthylene
Concen: 0.203 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

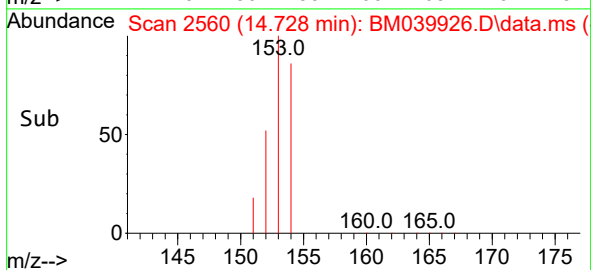
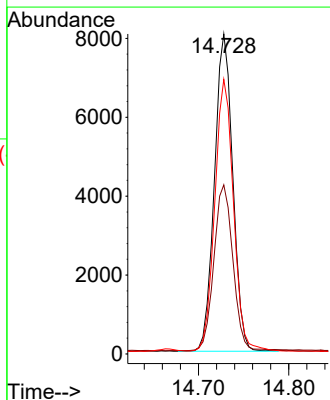
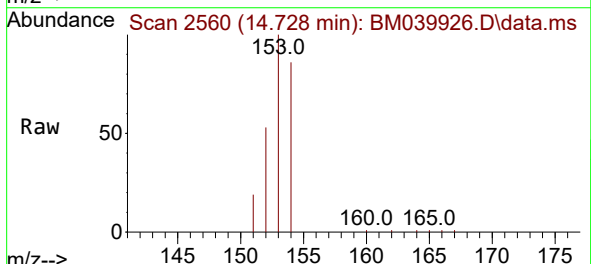
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

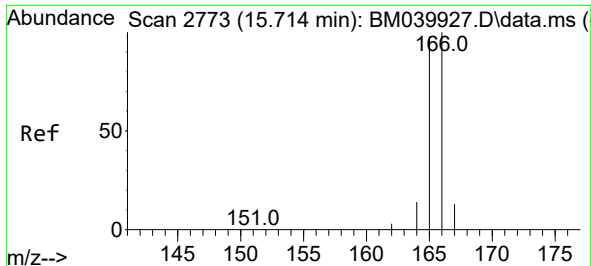
Tgt Ion:152	Resp:	14255
Ion Ratio	Lower	Upper
152	100	
151	20.2	16.3 24.5
153	13.3	10.7 16.1



#11
Acenaphthene
Concen: 0.205 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:153	Resp:	11295
Ion Ratio	Lower	Upper
153	100	
152	52.8	42.6 63.8
154	85.8	68.6 103.0

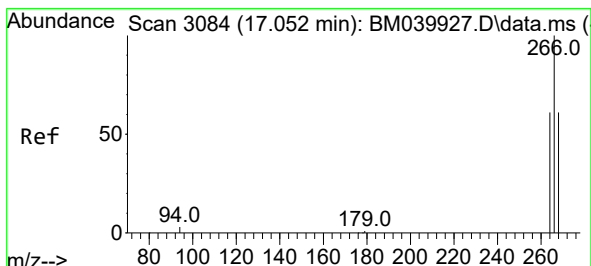
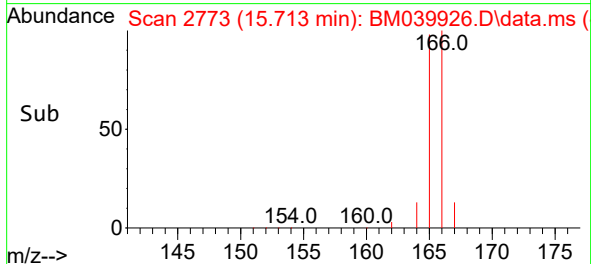
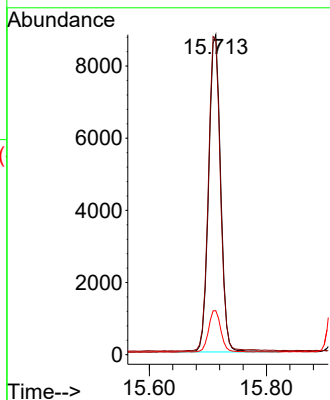
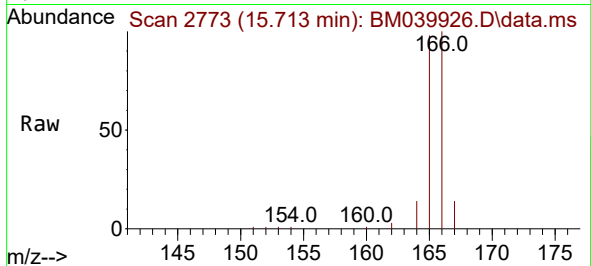




#12
Fluorene
Concen: 0.204 ng/ul
RT: 15.713 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

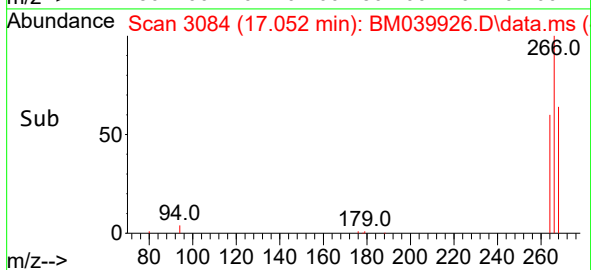
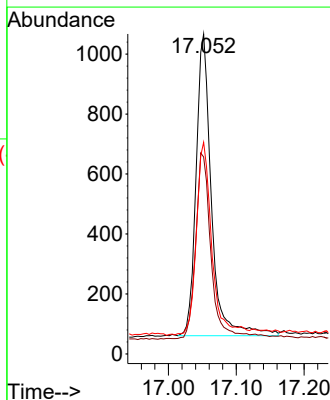
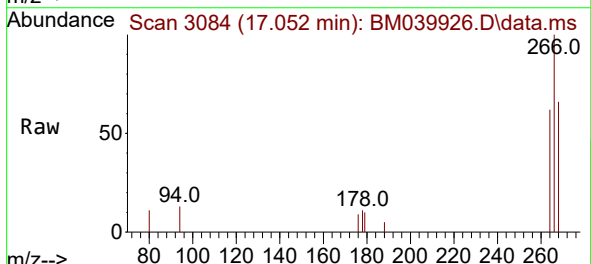
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

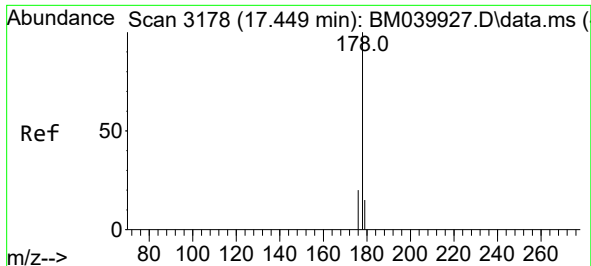
Tgt Ion:166 Resp: 12483
Ion Ratio Lower Upper
166 100
165 98.3 78.8 118.2
167 13.7 10.9 16.3



#14
Pentachlorophenol
Concen: 0.197 ng/ul
RT: 17.052 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:266 Resp: 1585
Ion Ratio Lower Upper
266 100
264 62.5 49.6 74.4
268 64.8 49.6 74.4

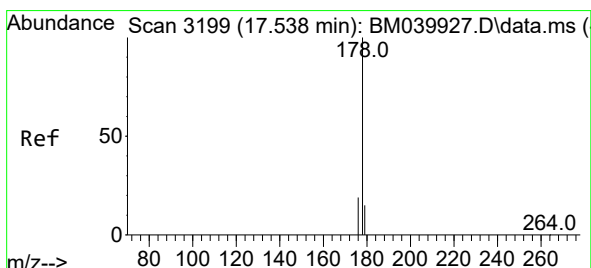
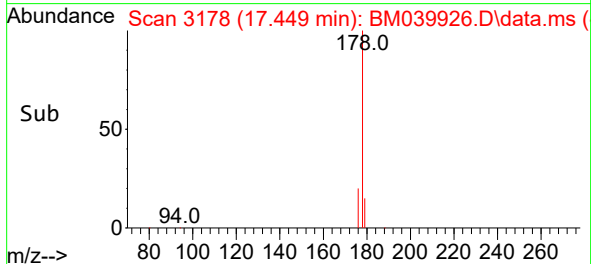
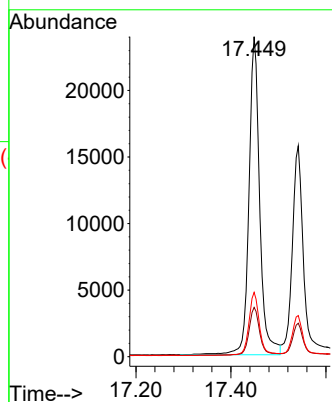
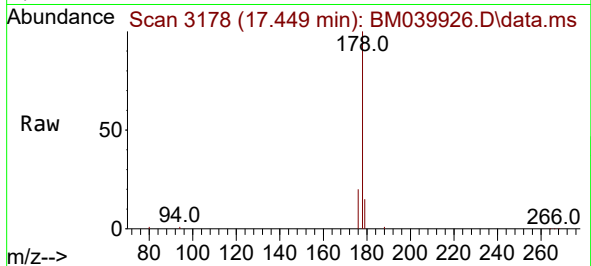




#15
Phenanthrene
Concen: 0.386 ng/ul
RT: 17.449 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

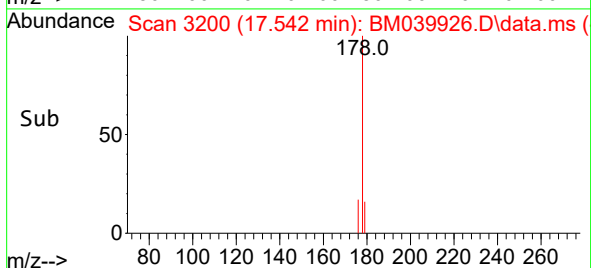
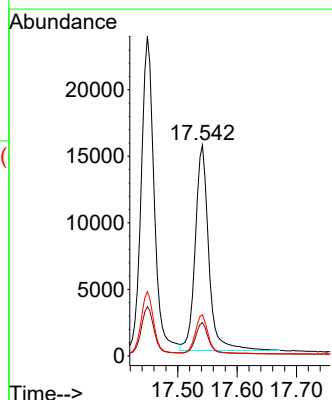
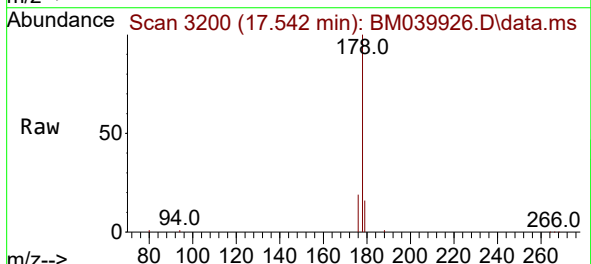
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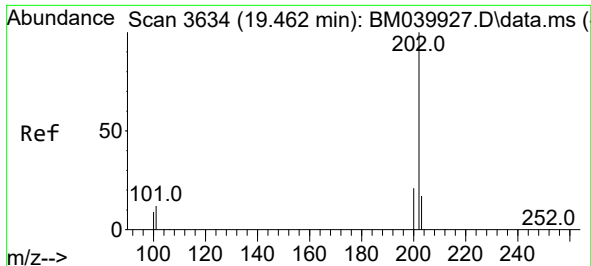
Tgt Ion:178 Resp: 37603
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 20.1 16.0 24.0



#16
Anthracene
Concen: 0.292 ng/ul
RT: 17.542 min Scan# 3200
Delta R.T. 0.004 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:178 Resp: 24417
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 19.5 15.6 23.4

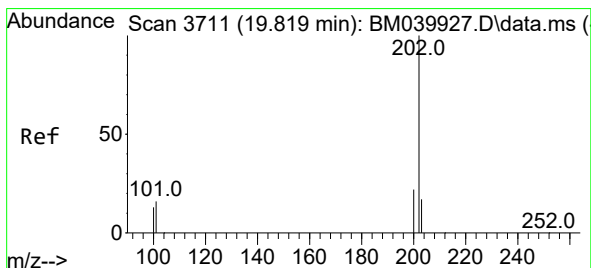
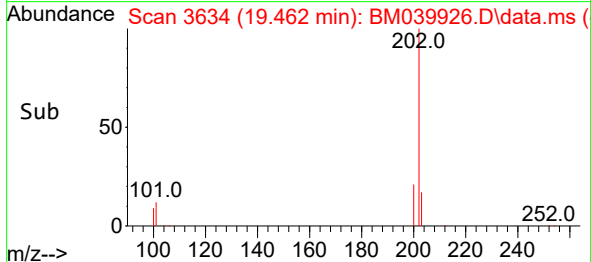
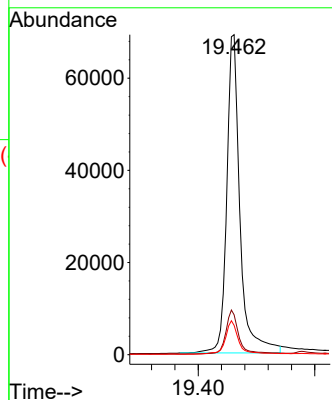
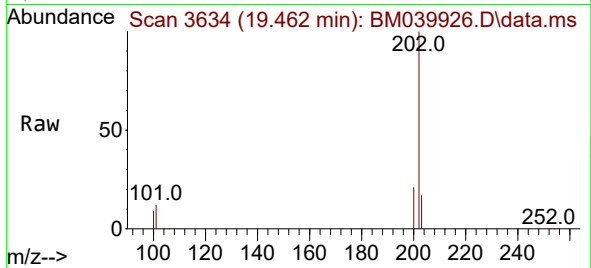




#19
Fluoranthene
Concen: 0.815 ng/ul
RT: 19.462 min Scan# 3634
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

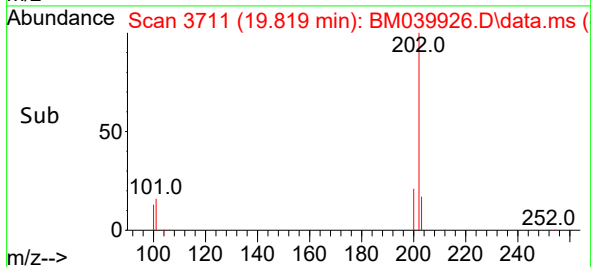
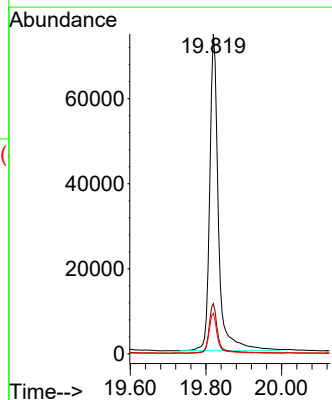
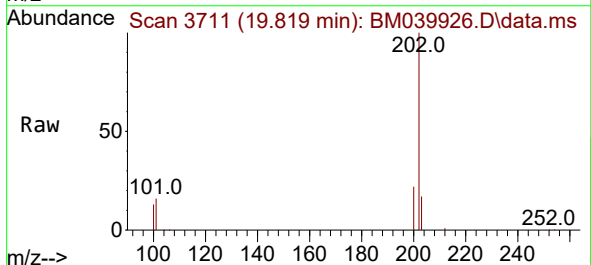
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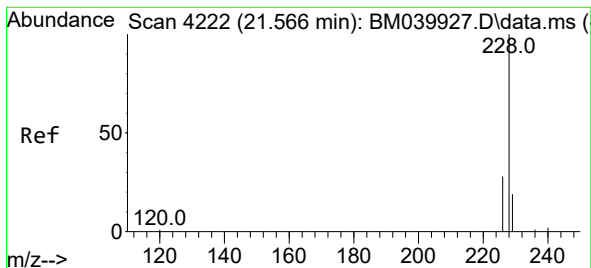
Tgt Ion:202 Resp: 108343
Ion Ratio Lower Upper
202 100
101 12.5 9.9 14.9
100 9.2 7.4 11.0



#20
Pyrene
Concen: 0.834 ng/ul
RT: 19.819 min Scan# 3711
Delta R.T. -0.000 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:202 Resp: 119640
Ion Ratio Lower Upper
202 100
101 15.7 12.7 19.1
100 12.7 10.4 15.6





#21

Benzo(a)anthracene

Concen: 1.820 ng/ul

RT: 21.567 min Scan# 4222

Delta R.T. 0.002 min

Lab File: BM039926.D

Acq: 15 May 2023 16:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

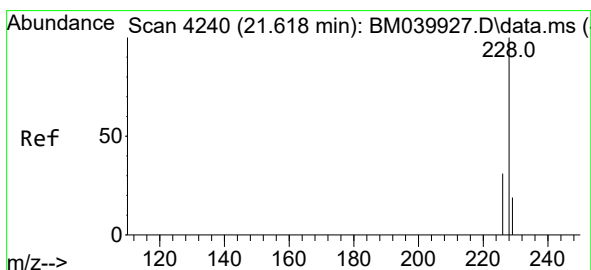
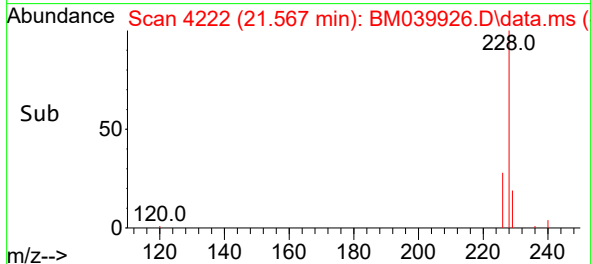
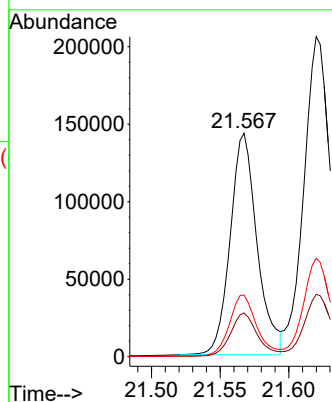
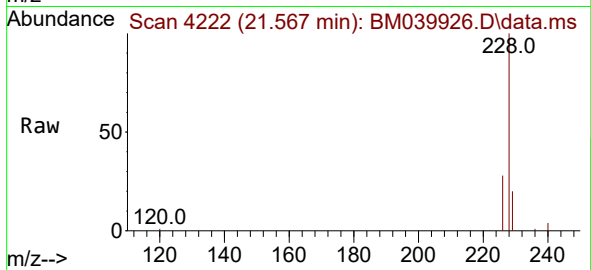
Tgt Ion:228 Resp: 194900

Ion Ratio Lower Upper

228 100

229 19.5 15.5 23.3

226 27.6 22.2 33.4



#22

Chrysene

Concen: 2.373 ng/ul

RT: 21.620 min Scan# 4240

Delta R.T. 0.002 min

Lab File: BM039926.D

Acq: 15 May 2023 16:25

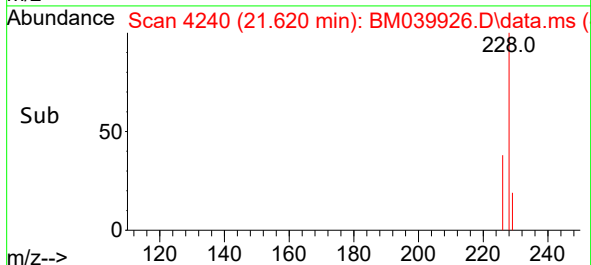
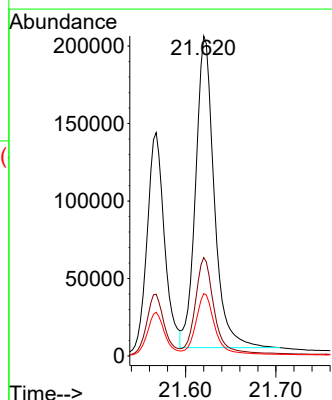
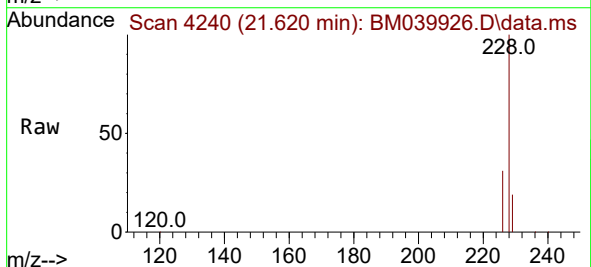
Tgt Ion:228 Resp: 287597

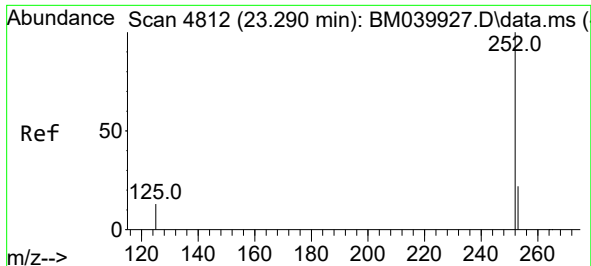
Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

229 19.5 15.4 23.2

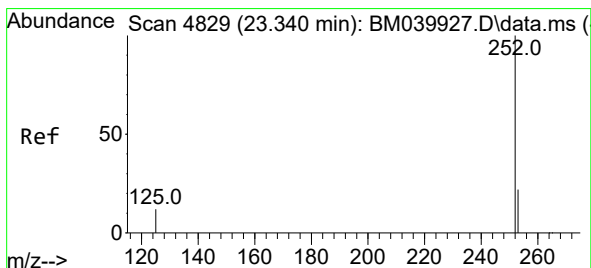
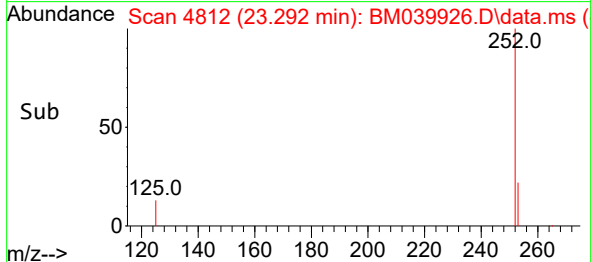
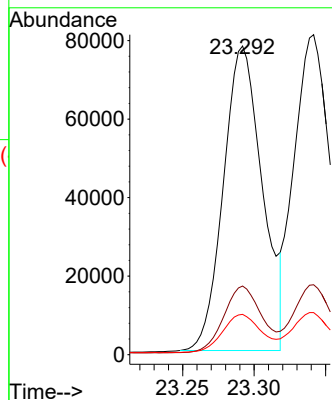
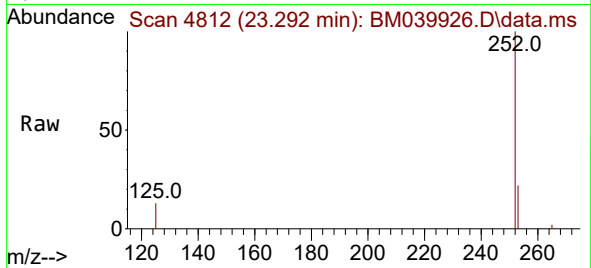




#24
Benzo(b)fluoranthene
Concen: 1.844 ng/ul
RT: 23.292 min Scan# 4812
Delta R.T. 0.002 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

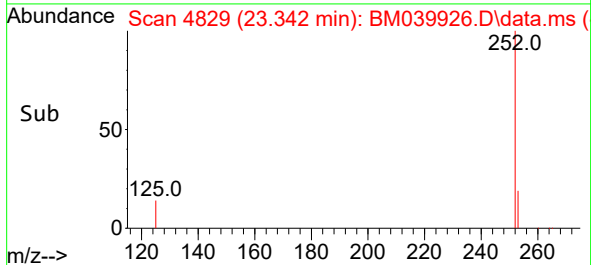
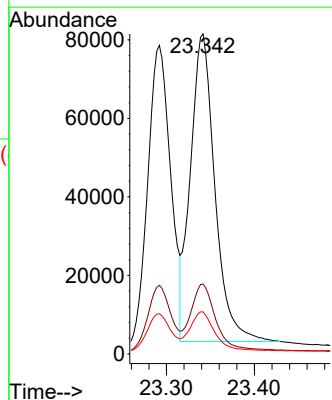
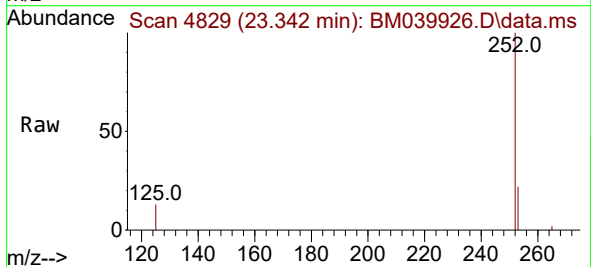
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

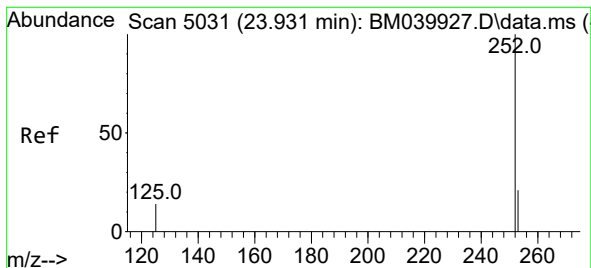
Tgt Ion:252 Resp: 147309
Ion Ratio Lower Upper
252 100
253 22.2 0.0 43.8
125 13.1 0.0 26.4



#25
Benzo(k)fluoranthene
Concen: 1.867 ng/ul
RT: 23.342 min Scan# 4829
Delta R.T. 0.002 min
Lab File: BM039926.D
Acq: 15 May 2023 16:25

Tgt Ion:252 Resp: 151916
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 13.2 10.6 15.8





#26

Benzo(a)pyrene

Concen: 0.829 ng/ul

RT: 23.932 min Scan# 5031

Delta R.T. 0.002 min

Lab File: BM039926.D

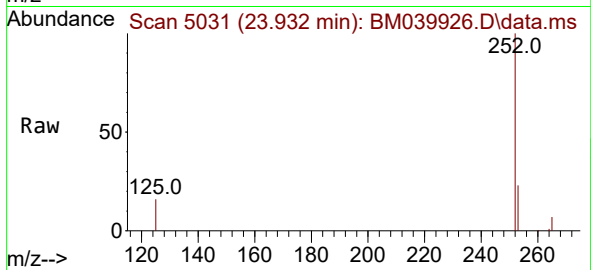
Acq: 15 May 2023 16:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030



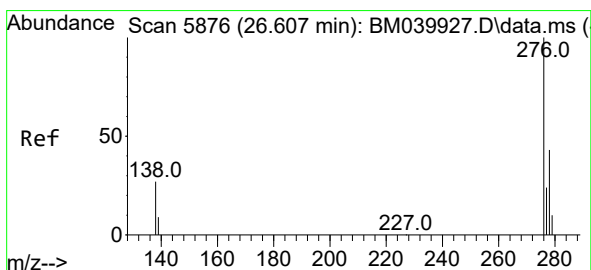
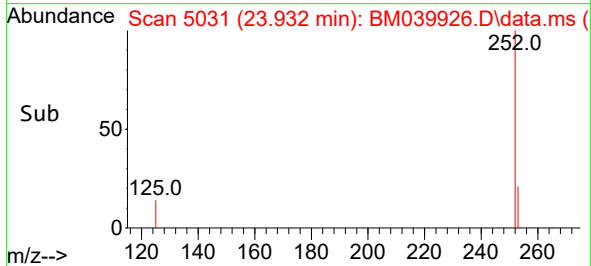
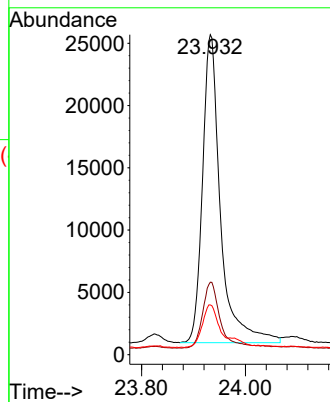
Tgt Ion:252 Resp: 59456

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 15.5 12.3 18.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.493 ng/ul

RT: 26.608 min Scan# 5876

Delta R.T. 0.002 min

Lab File: BM039926.D

Acq: 15 May 2023 16:25

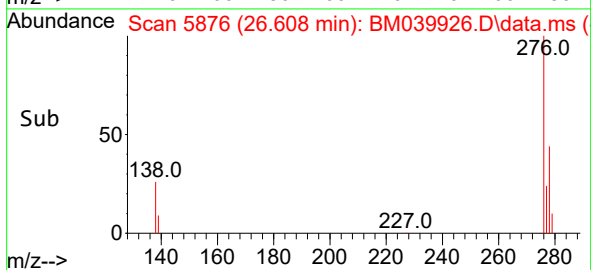
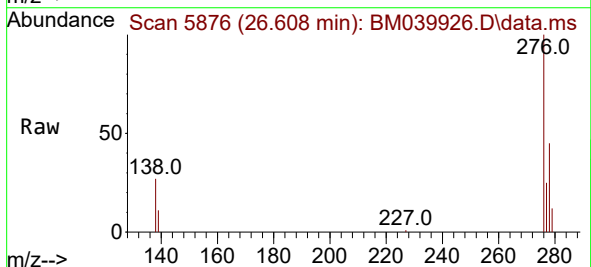
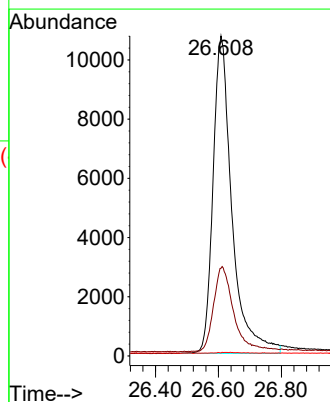
Tgt Ion:276 Resp: 44725

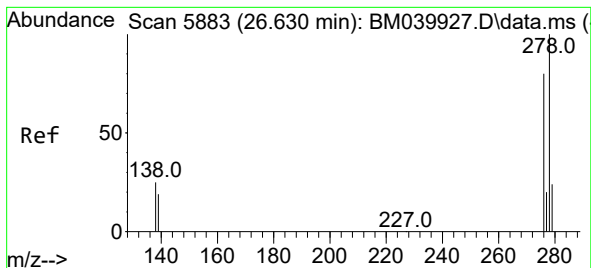
Ion Ratio Lower Upper

276 100

138 28.7 23.0 34.4

227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.470 ng/ul

RT: 26.632 min Scan# 5883

Delta R.T. 0.002 min

Lab File: BM039926.D

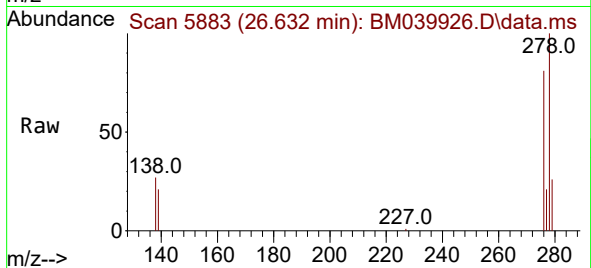
Acq: 15 May 2023 16:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030



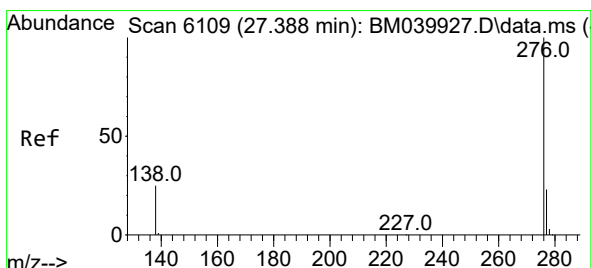
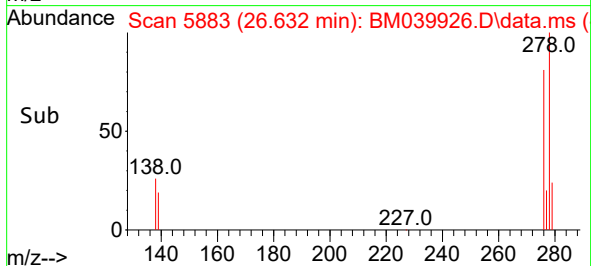
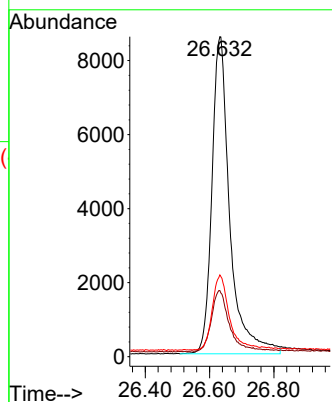
Tgt Ion:278 Resp: 33106

Ion Ratio Lower Upper

278 100

139 20.7 16.3 24.5

279 25.6 20.3 30.5



#29

Benzo(g,h,i)perylene

Concen: 0.434 ng/ul

RT: 27.386 min Scan# 6108

Delta R.T. -0.002 min

Lab File: BM039926.D

Acq: 15 May 2023 16:25

Tgt Ion:276 Resp: 34296

Ion Ratio Lower Upper

276 100

138 27.3 20.7 31.1

277 24.2 19.2 28.8

