

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051523\
 Data File : BM039930.D
 Acq On : 15 May 2023 18:51
 Operator : CG/JU
 Sample : SSTD3.257
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2034

Quant Time: May 16 00:51:29 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

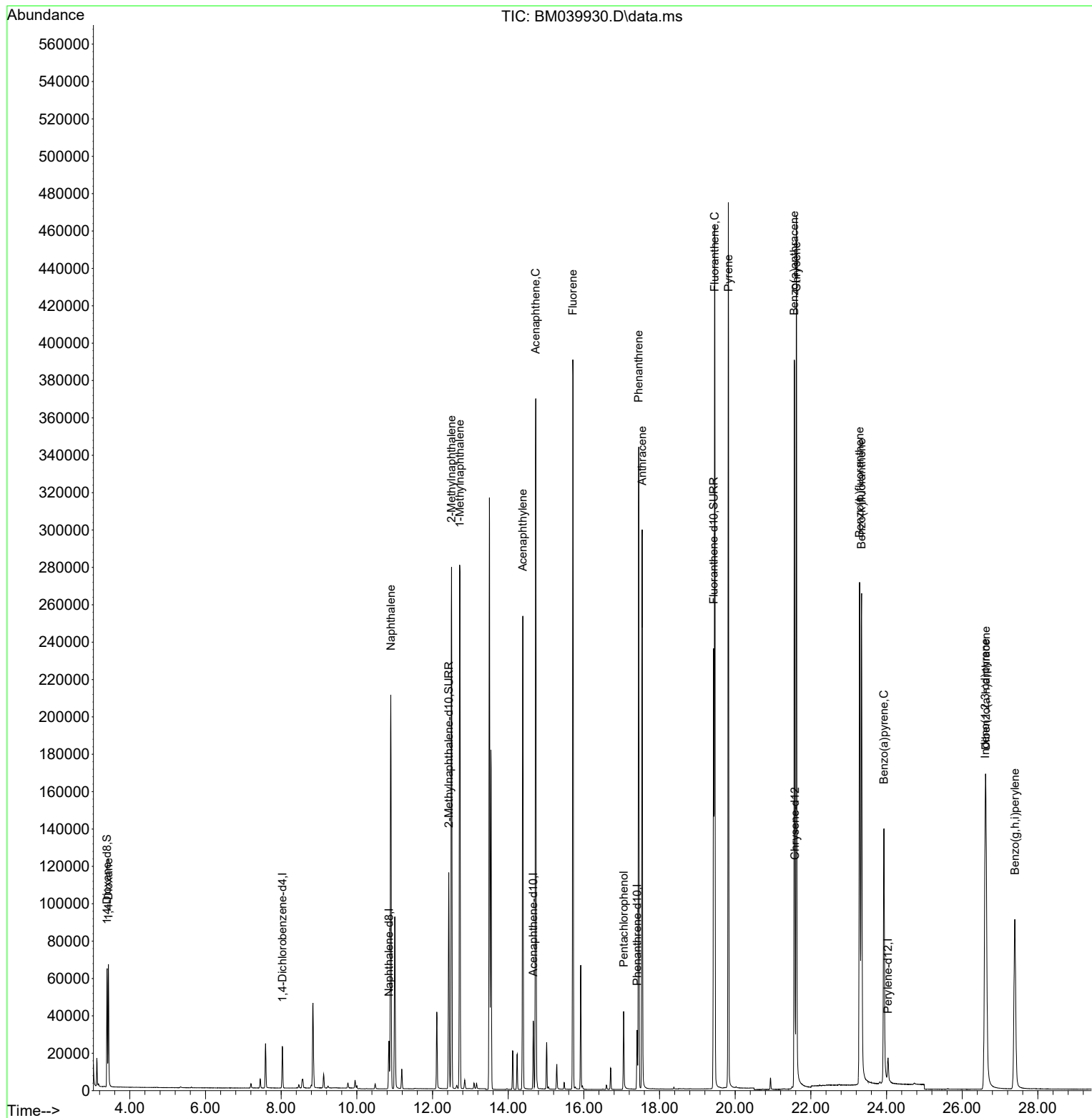
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.032	152	10662	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	33892	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.664	164	19194	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	34652	0.400	ng/ul	0.00
17) Chrysene-d12	21.581	240	28608	0.400	ng/ul	0.00
23) Perylene-d12	24.039	264	17945	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	39705	2.527	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	140490	3.232	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	220519	2.865	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.433	88	43180	2.653	ng/ul#	88
5) Naphthalene	10.898	128	273719	3.216	ng/ul	99
7) 2-Methylnaphthalene	12.503	142	180172	3.668	ng/ul	100
8) 1-Methylnaphthalene	12.723	142	185727	3.525	ng/ul	100
10) Acenaphthylene	14.386	152	268171	3.610	ng/ul	99
11) Acenaphthene	14.728	153	202410	3.469	ng/ul	99
12) Fluorene	15.709	166	231026	3.568	ng/ul	98
14) Pentachlorophenol	17.052	266	27301	3.615	ng/ul	98
15) Phenanthrene	17.449	178	333720	3.655	ng/ul	99
16) Anthracene	17.542	178	308835	3.940	ng/ul	99
19) Fluoranthene	19.457	202	367664	3.602	ng/ul	97
20) Pyrene	19.820	202	362876	3.292	ng/ul	98
21) Benzo(a)anthracene	21.563	228	337104	4.098	ng/ul	100
22) Chrysene	21.619	228	395968	4.254	ng/ul	100
24) Benzo(b)fluoranthene	23.288	252	345933	5.489	ng/ul	100
25) Benzo(k)fluoranthene	23.340	252	357884	5.577	ng/ul	100
26) Benzo(a)pyrene	23.931	252	210940	3.728	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.607	276	256175	3.581	ng/ul	100
28) Dibenzo(a,h)anthracene	26.627	278	201714	3.632	ng/ul	97
29) Benzo(g,h,i)perylene	27.392	276	205438	3.295	ng/ul	99

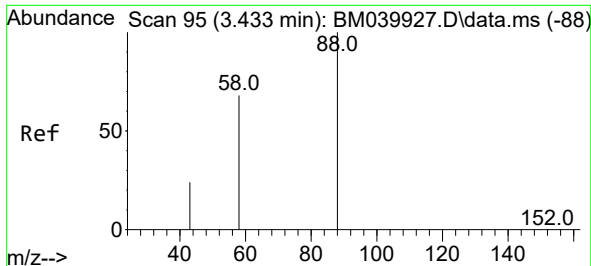
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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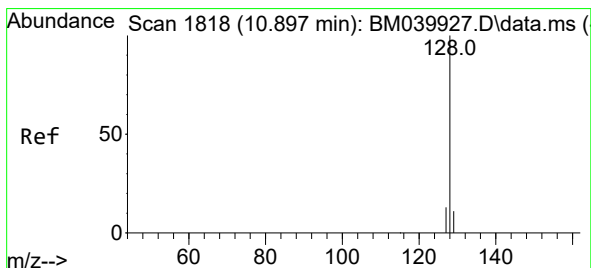
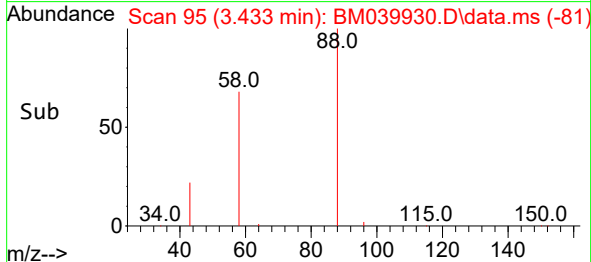
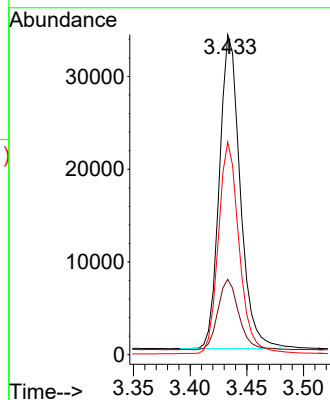
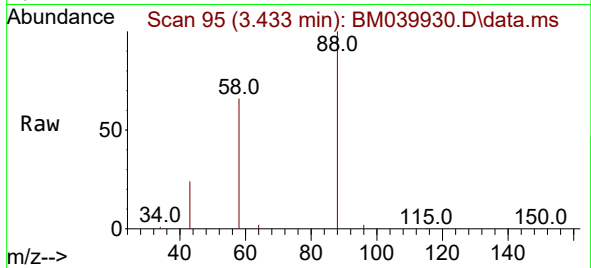




#2
1,4-Dioxane
Concen: 2.653 ng/ul
RT: 3.433 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

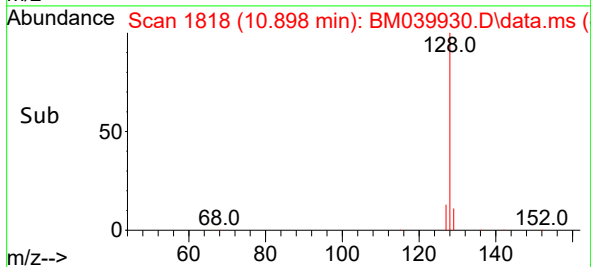
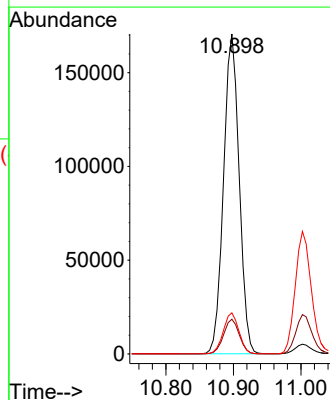
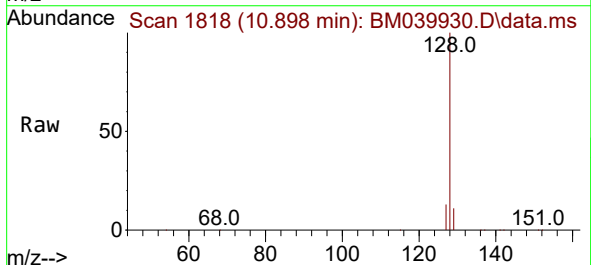
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BNA_M
ClientSampleId :
SSTD3.2034

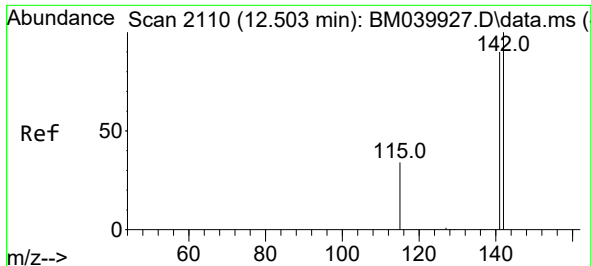
Tgt Ion: 88 Resp: 43180
Ion Ratio Lower Upper
88 100
43 23.6 29.0 43.4#
58 66.5 49.3 73.9



#5
Naphthalene
Concen: 3.216 ng/ul
RT: 10.898 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion: 128 Resp: 273719
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.5 15.7

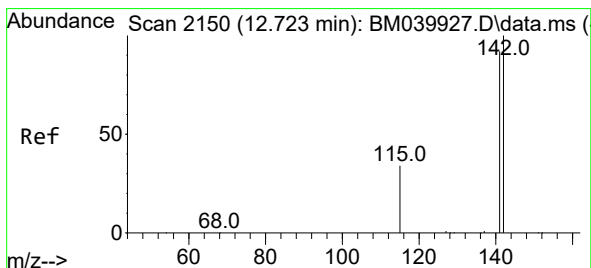
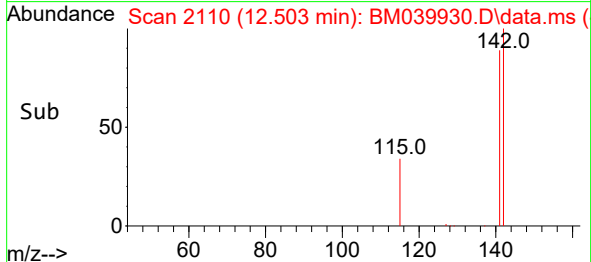
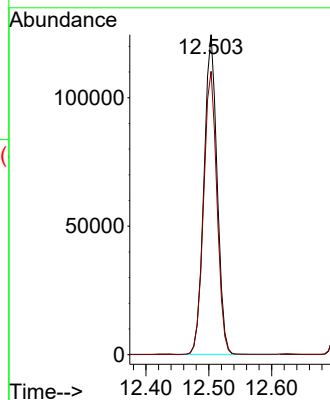
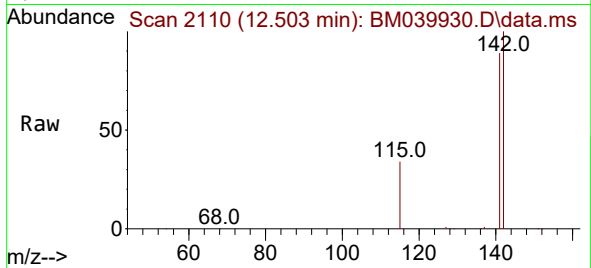




#7
2-Methylnaphthalene
Concen: 3.668 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

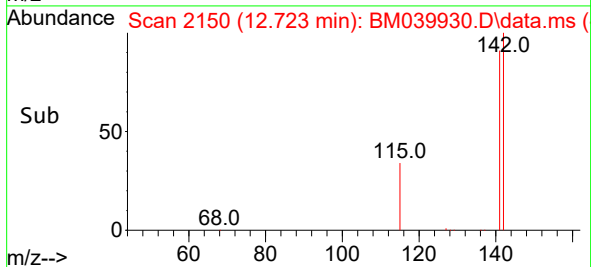
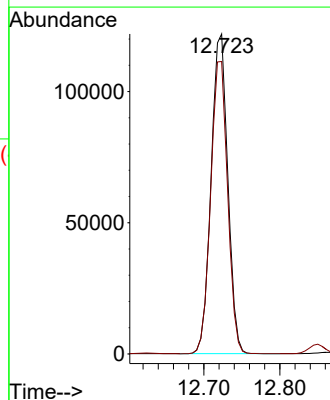
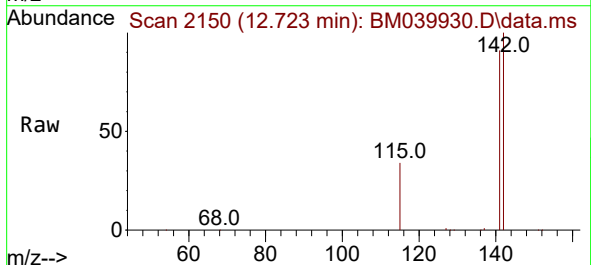
Instrument :
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ClientSampleId :
SSTD3.2034

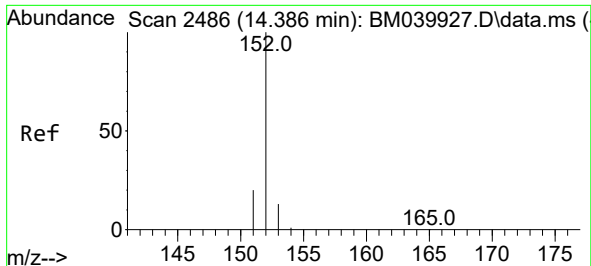
Tgt Ion:142 Resp: 180172
Ion Ratio Lower Upper
142 100
141 89.6 72.0 108.0



#8
1-Methylnaphthalene
Concen: 3.525 ng/ul
RT: 12.723 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion:142 Resp: 185727
Ion Ratio Lower Upper
142 100
141 92.9 74.3 111.5

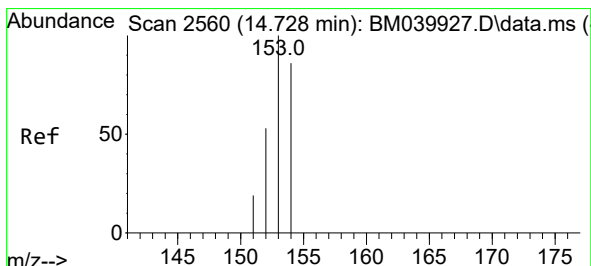
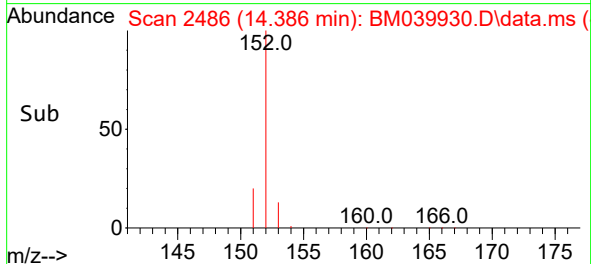
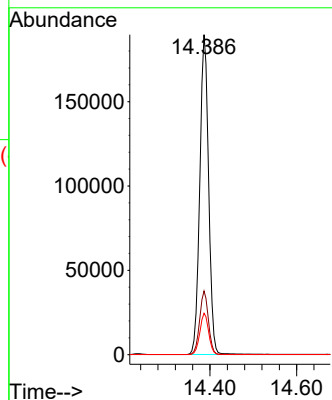
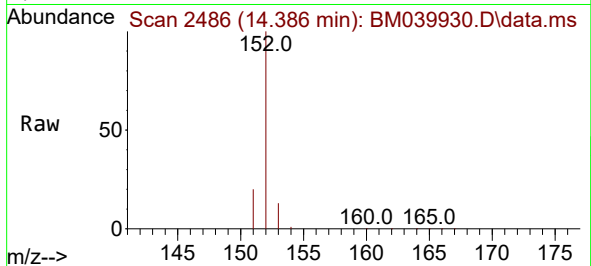




#10
Acenaphthylene
Concen: 3.610 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

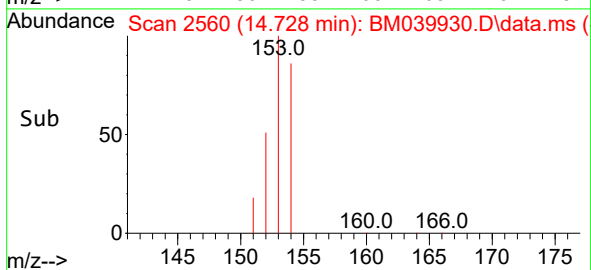
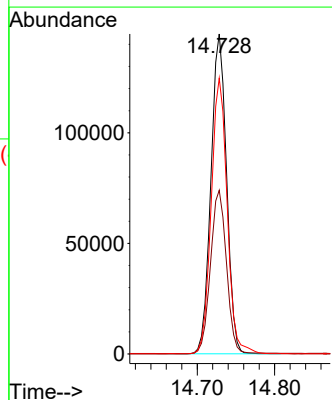
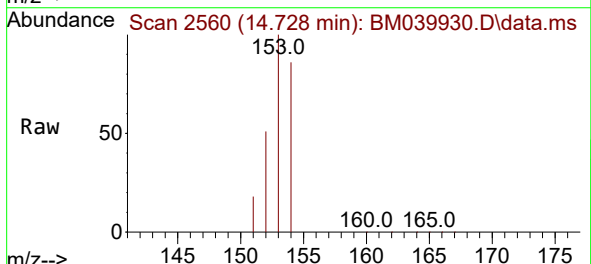
Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

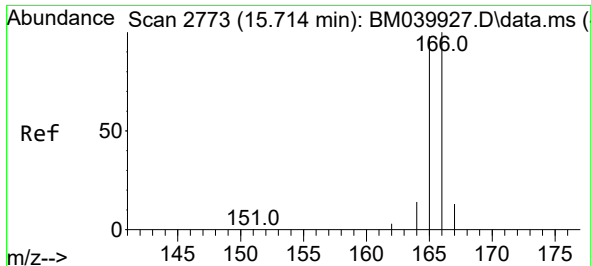
Tgt Ion:152 Resp: 268171
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 12.9 10.7 16.1



#11
Acenaphthene
Concen: 3.469 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion:153 Resp: 202410
Ion Ratio Lower Upper
153 100
152 51.1 42.6 63.8
154 86.2 68.6 103.0

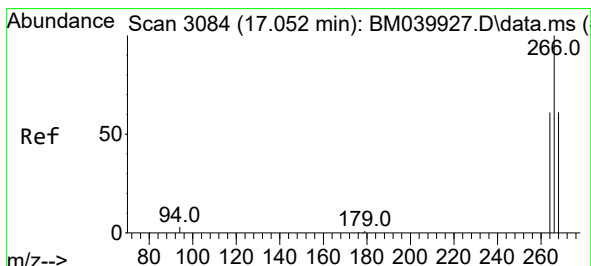
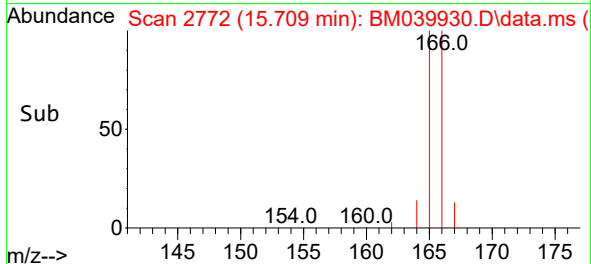
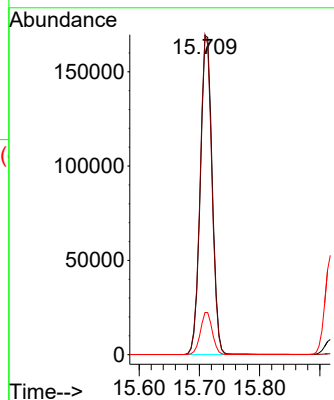
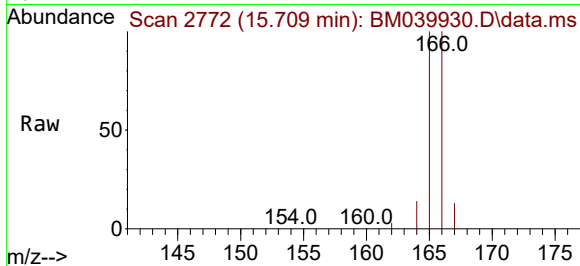




#12
Fluorene
Concen: 3.568 ng/ul
RT: 15.709 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

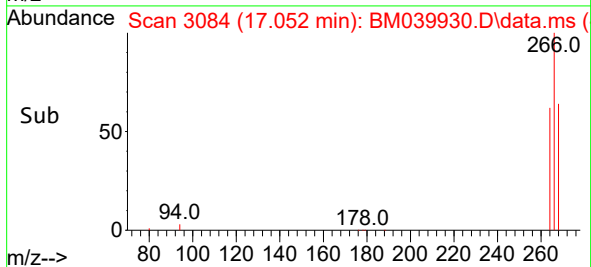
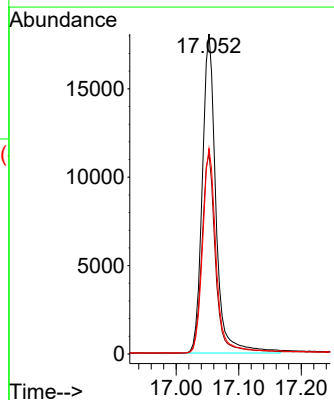
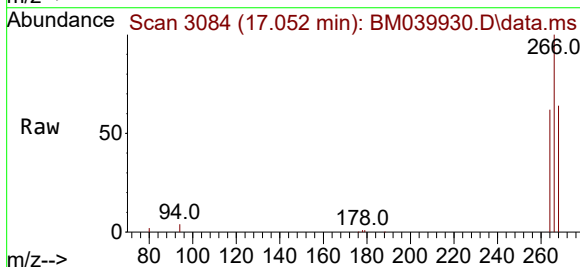
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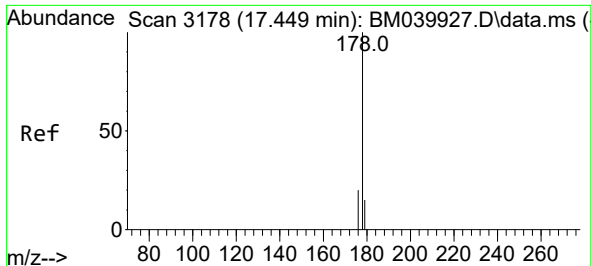
Tgt Ion:166 Resp: 231026
Ion Ratio Lower Upper
166 100
165 100.3 78.8 118.2
167 13.2 10.9 16.3



#14
Pentachlorophenol
Concen: 3.615 ng/ul
RT: 17.052 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion:266 Resp: 27301
Ion Ratio Lower Upper
266 100
264 62.6 49.6 74.4
268 64.2 49.6 74.4

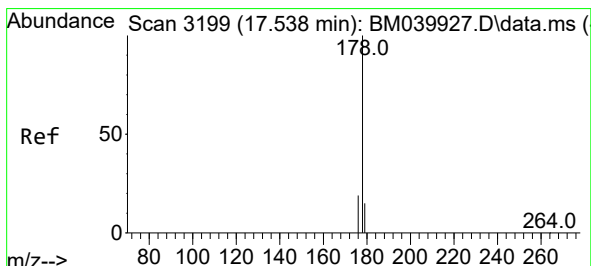
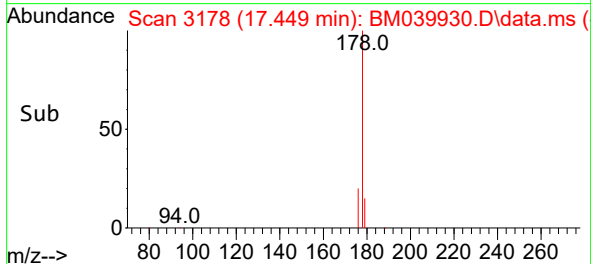
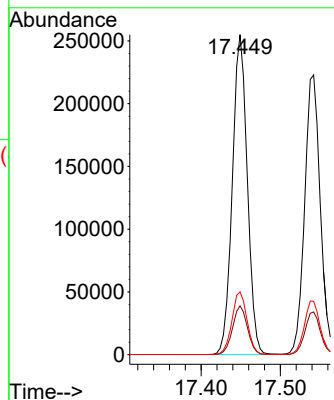
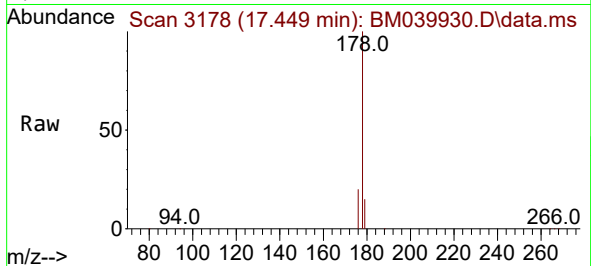




#15
Phenanthrene
Concen: 3.655 ng/ul
RT: 17.449 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

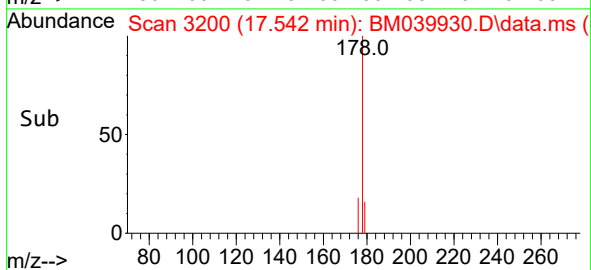
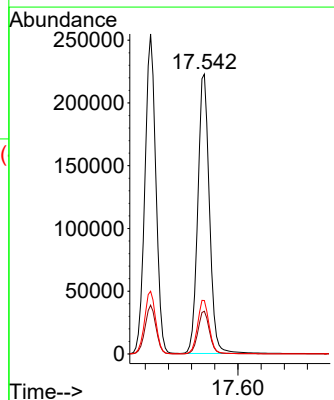
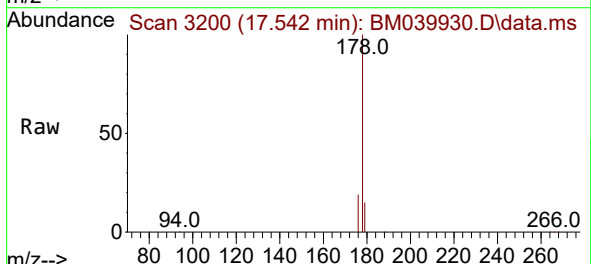
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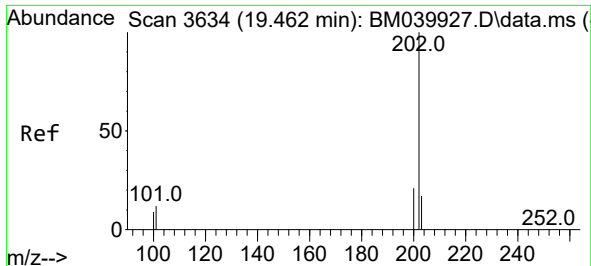
Tgt Ion:178 Resp: 333720
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 19.6 16.0 24.0



#16
Anthracene
Concen: 3.940 ng/ul
RT: 17.542 min Scan# 3200
Delta R.T. 0.004 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion:178 Resp: 308835
Ion Ratio Lower Upper
178 100
179 15.3 12.4 18.6
176 19.1 15.6 23.4

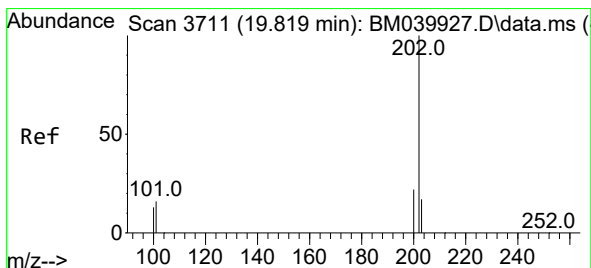
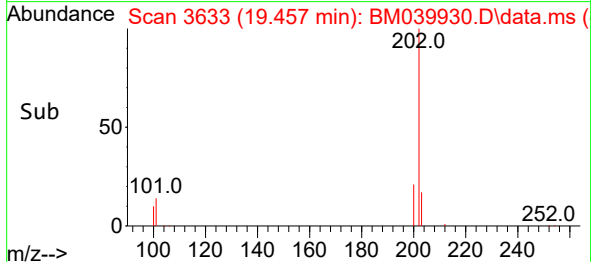
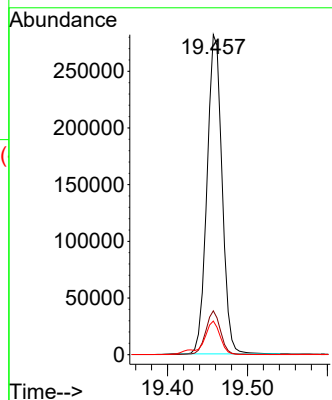
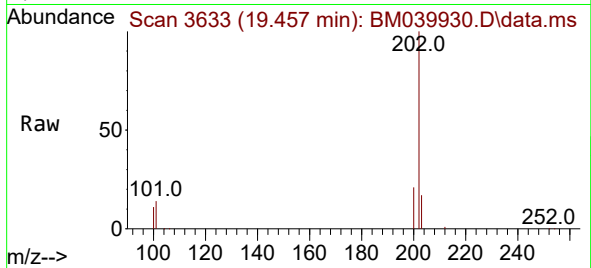




#19
Fluoranthene
Concen: 3.602 ng/ul
RT: 19.457 min Scan# 3633
Delta R.T. -0.004 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

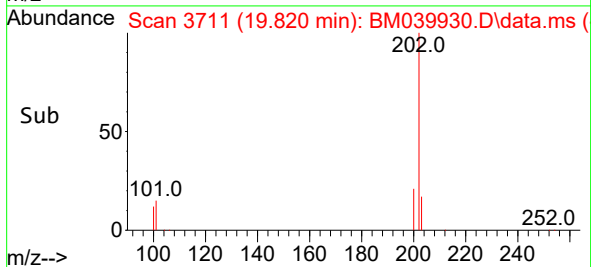
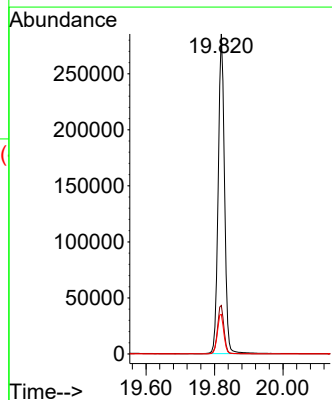
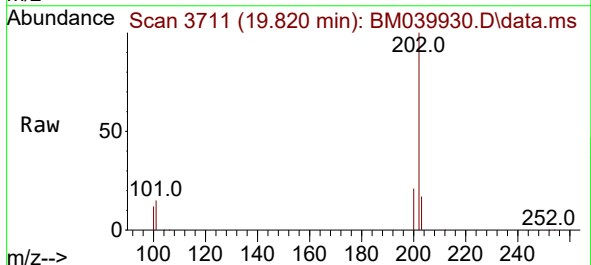
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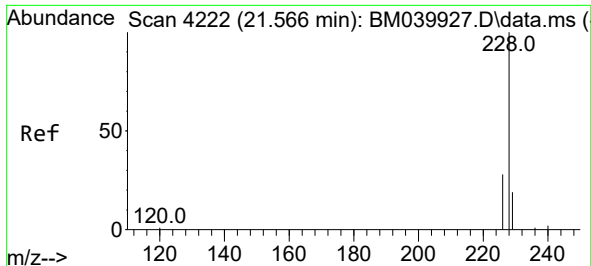
Tgt Ion:202 Resp: 367664
Ion Ratio Lower Upper
202 100
101 13.7 9.9 14.9
100 10.5 7.4 11.0



#20
Pyrene
Concen: 3.292 ng/ul
RT: 19.820 min Scan# 3711
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

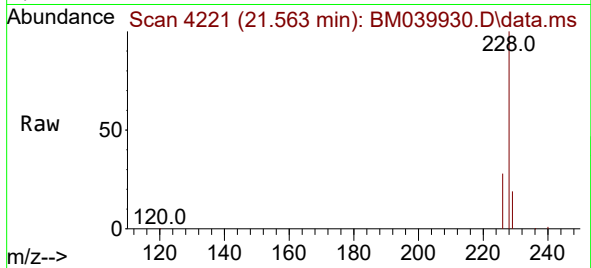
Tgt Ion:202 Resp: 362876
Ion Ratio Lower Upper
202 100
101 15.2 12.7 19.1
100 12.4 10.4 15.6



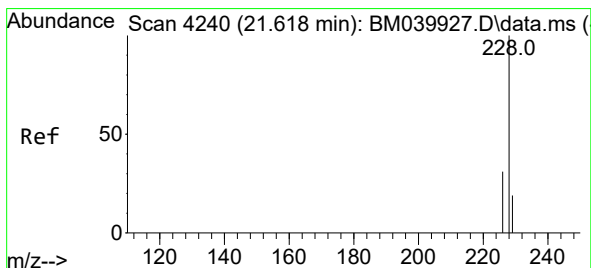
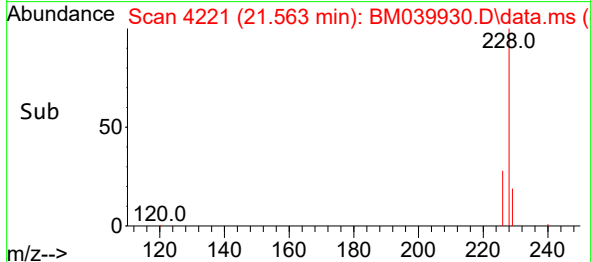
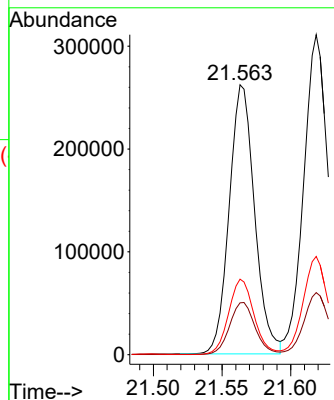


#21
Benzo(a)anthracene
Concen: 4.098 ng/ul
RT: 21.563 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Instrument :
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SSTD3.2034

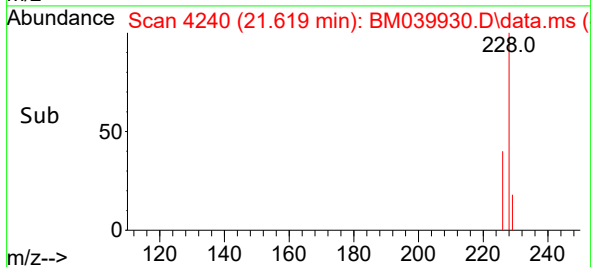
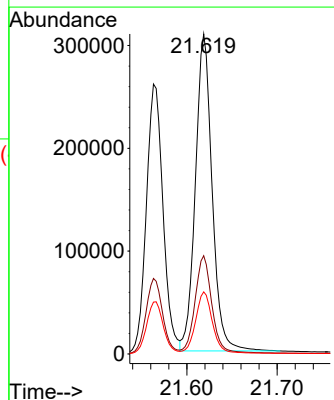
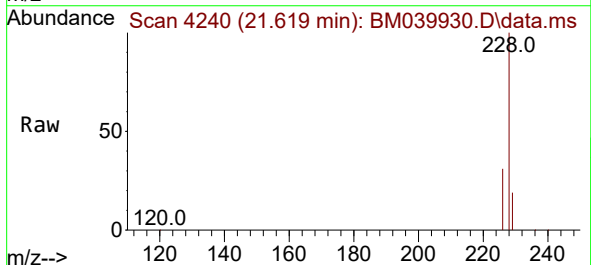


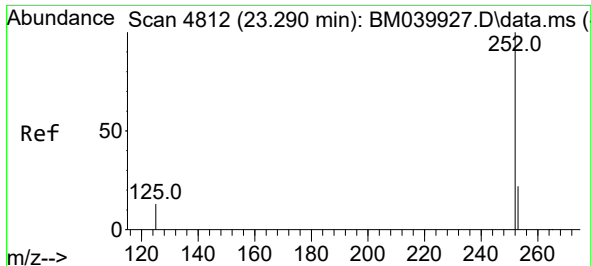
Tgt Ion:228 Resp: 337104
Ion Ratio Lower Upper
228 100
229 19.2 15.5 23.3
226 28.0 22.2 33.4



#22
Chrysene
Concen: 4.254 ng/ul
RT: 21.619 min Scan# 4240
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

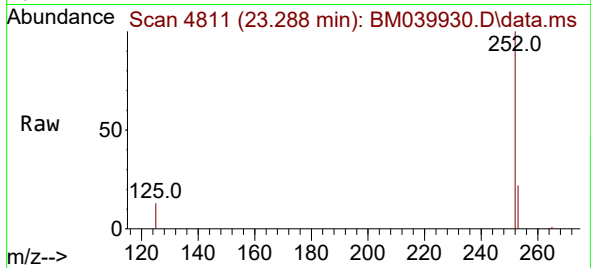
Tgt Ion:228 Resp: 395968
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 19.4 15.4 23.2



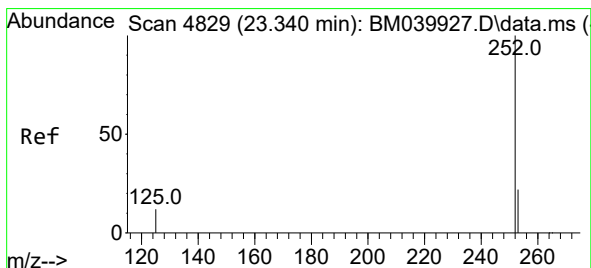
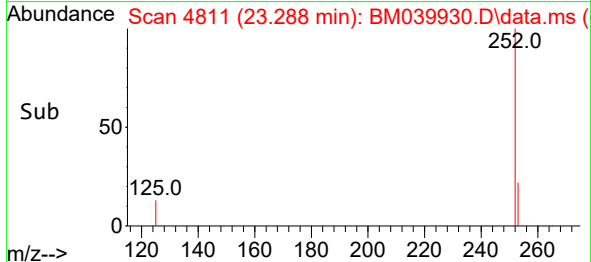
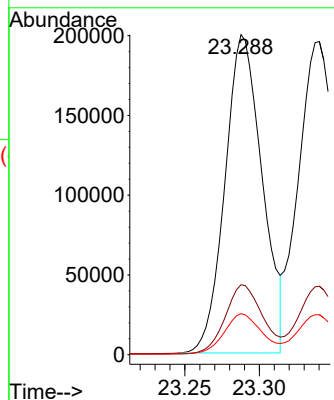


#24
Benzo(b)fluoranthene
Concen: 5.489 ng/ul
RT: 23.288 min Scan# 4811
Delta R.T. -0.003 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Instrument :
BNA_M
ClientSampleId :
SSTD3.2034

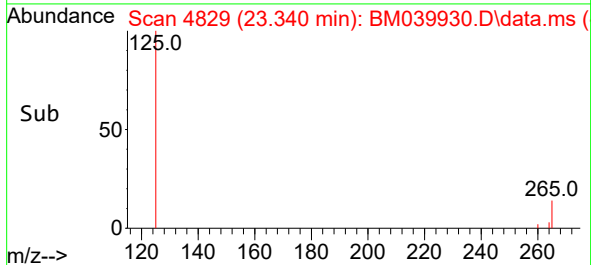
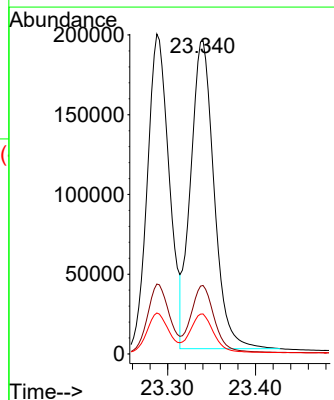
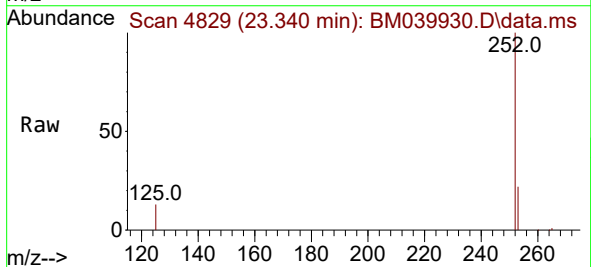


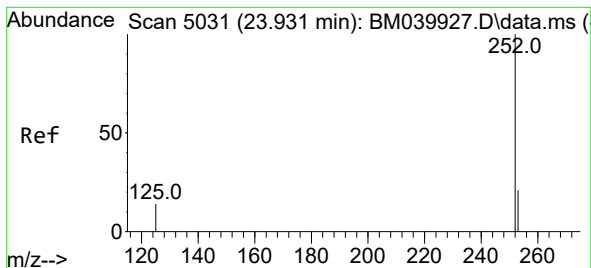
Tgt Ion:252 Resp: 345933
Ion Ratio Lower Upper
252 100
253 21.9 0.0 43.8
125 12.8 0.0 26.4



#25
Benzo(k)fluoranthene
Concen: 5.577 ng/ul
RT: 23.340 min Scan# 4829
Delta R.T. 0.000 min
Lab File: BM039930.D
Acq: 15 May 2023 18:51

Tgt Ion:252 Resp: 357884
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 12.8 10.6 15.8





#26

Benzo(a)pyrene

Concen: 3.728 ng/ul

RT: 23.931 min Scan# 5031

Delta R.T. 0.000 min

Lab File: BM039930.D

Acq: 15 May 2023 18:51

Instrument :

BNA_M

ClientSampleId :

SSTD3.2034

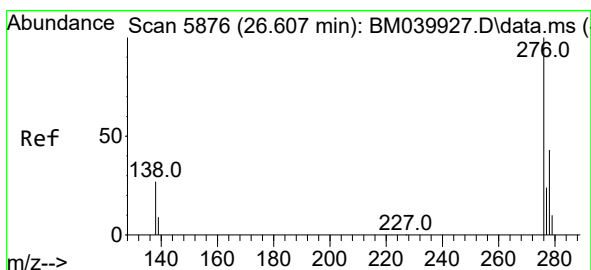
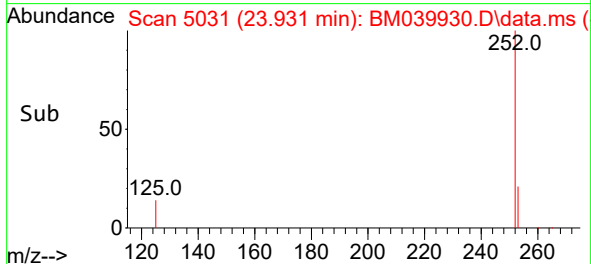
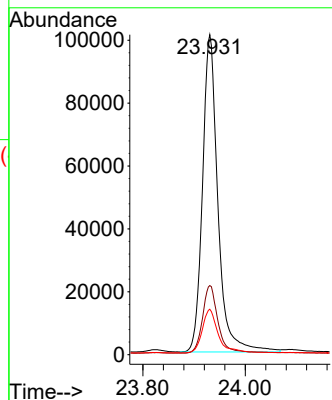
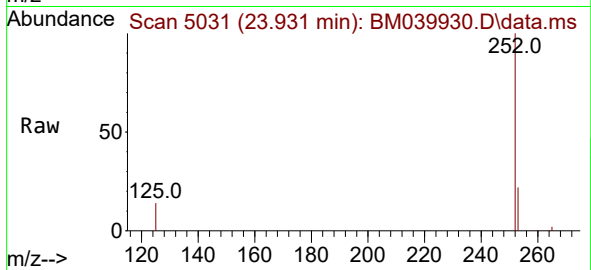
Tgt Ion:252 Resp: 210940

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 14.2 12.3 18.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.581 ng/ul

RT: 26.607 min Scan# 5876

Delta R.T. 0.000 min

Lab File: BM039930.D

Acq: 15 May 2023 18:51

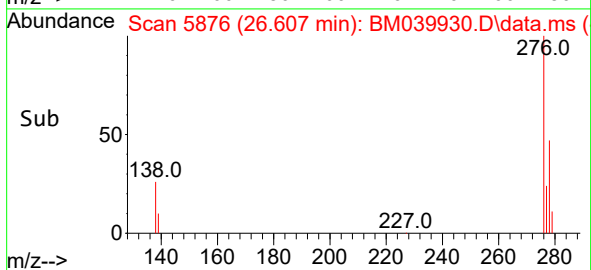
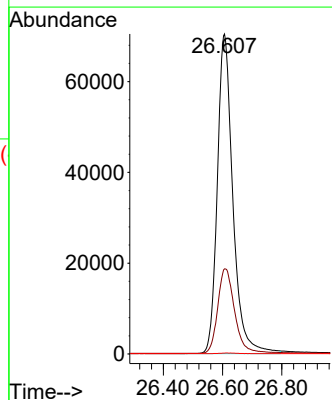
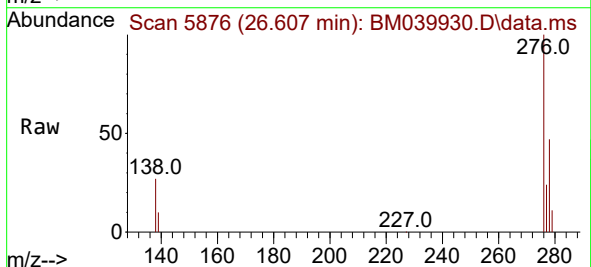
Tgt Ion:276 Resp: 256175

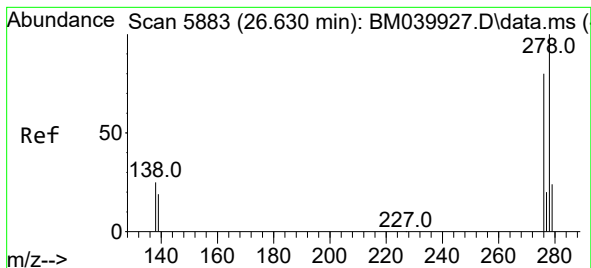
Ion Ratio Lower Upper

276 100

138 29.0 23.0 34.4

227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 3.632 ng/ul

RT: 26.627 min Scan# 5882

Delta R.T. -0.003 min

Lab File: BM039930.D

Acq: 15 May 2023 18:51

Instrument :

BNA_M

ClientSampleId :

SSTD3.2034

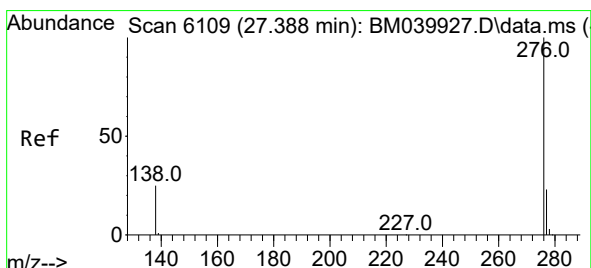
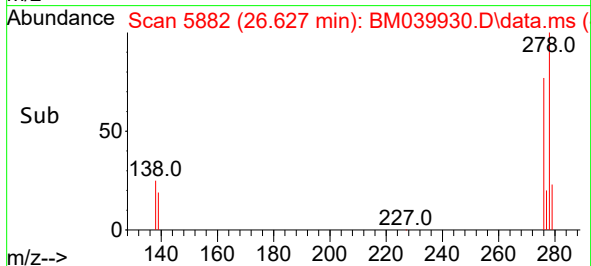
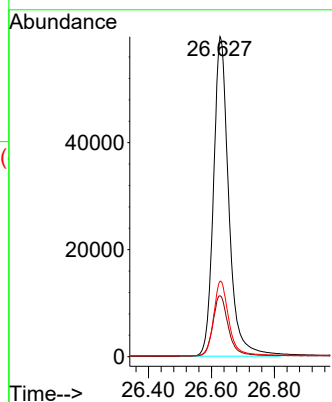
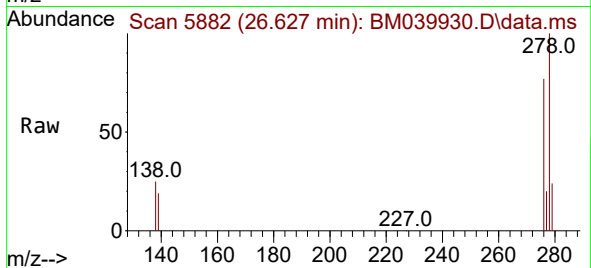
Tgt Ion:278 Resp: 201714

Ion Ratio Lower Upper

278 100

139 19.0 16.3 24.5

279 23.6 20.3 30.5



#29

Benzo(g,h,i)perylene

Concen: 3.295 ng/ul

RT: 27.392 min Scan# 6110

Delta R.T. 0.004 min

Lab File: BM039930.D

Acq: 15 May 2023 18:51

Tgt Ion:276 Resp: 205438

Ion Ratio Lower Upper

276 100

138 25.0 20.7 31.1

277 23.6 19.2 28.8

