

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051523\
 Data File : BM039927.D
 Acq On : 15 May 2023 17:01
 Operator : CG/JU
 Sample : SST0.454
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.4031

Quant Time: May 16 00:50:56 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)

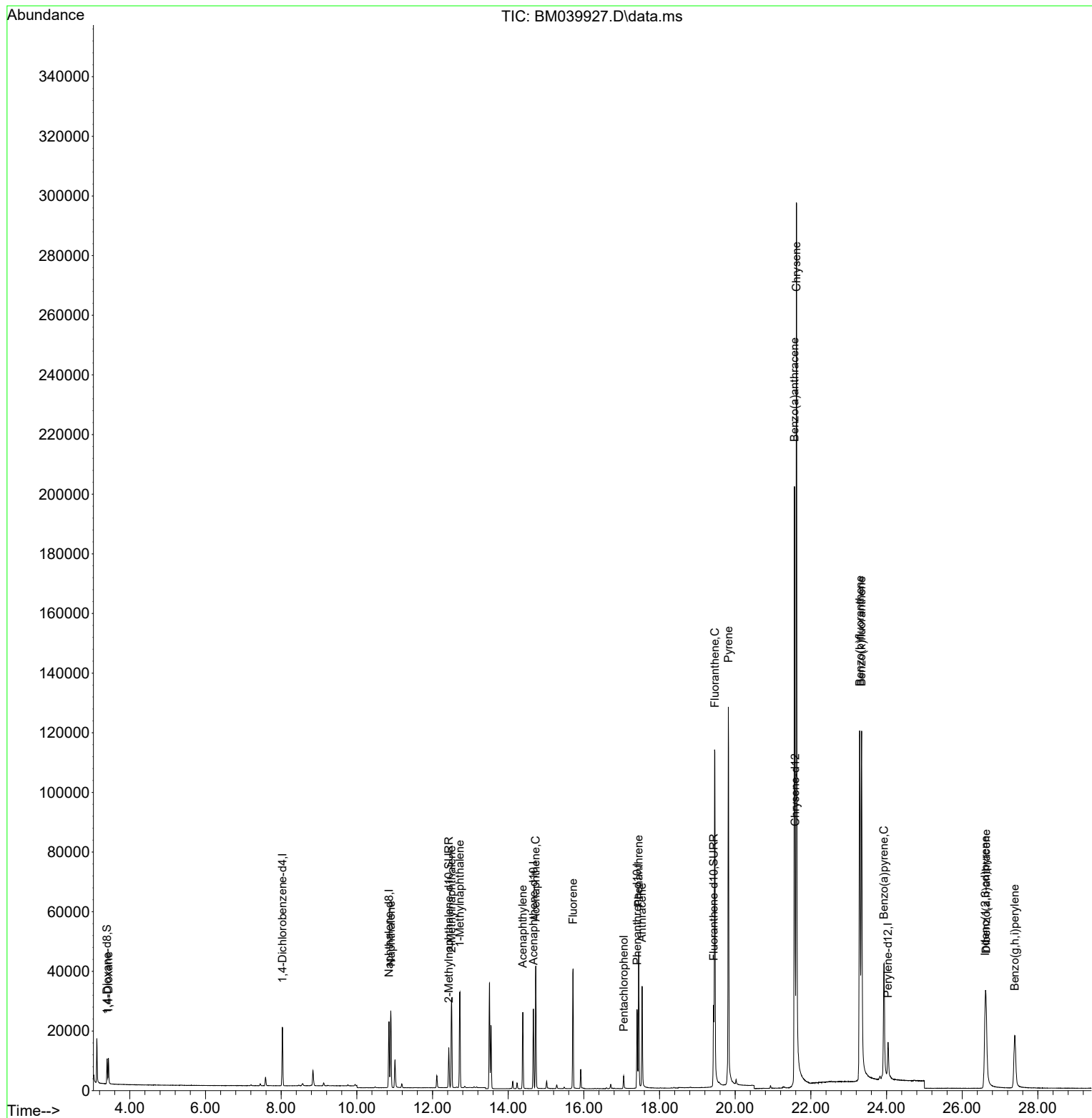
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	9454	0.400	ng/ul	0.00
4) Naphthalene-d8	10.848	136	28622	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.668	164	14052	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.407	188	29066	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	28631	0.400	ng/ul	0.00
23) Perylene-d12	24.039	264	16945	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	5398	0.387	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.432	152	16376	0.446	ng/ul	0.00
18) Fluoranthene-d10	19.429	212	25983	0.337	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.433	88	5683	0.394	ng/ul	100
5) Naphthalene	10.897	128	34410	0.479	ng/ul	100
7) 2-Methylnaphthalene	12.503	142	20483	0.494	ng/ul	100
8) 1-Methylnaphthalene	12.723	142	21403	0.481	ng/ul	100
10) Acenaphthylene	14.386	152	27988	0.515	ng/ul	100
11) Acenaphthene	14.728	153	22330	0.523	ng/ul	100
12) Fluorene	15.714	166	24526	0.517	ng/ul	100
14) Pentachlorophenol	17.052	266	2870	0.453	ng/ul	100
15) Phenanthrene	17.449	178	48651	0.635	ng/ul	100
16) Anthracene	17.538	178	37674	0.573	ng/ul	100
19) Fluoranthene	19.462	202	105655	1.034	ng/ul	100
20) Pyrene	19.819	202	112929	1.024	ng/ul	100
21) Benzo(a)anthracene	21.566	228	182312	2.215	ng/ul	100
22) Chrysene	21.618	228	269891	2.897	ng/ul	100
24) Benzo(b)fluoranthene	23.290	252	164627	2.766	ng/ul	100
25) Benzo(k)fluoranthene	23.340	252	161845	2.671	ng/ul	100
26) Benzo(a)pyrene	23.931	252	67017	1.254	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.607	276	56443	0.835	ng/ul	100
28) Dibenzo(a,h)anthracene	26.630	278	41769	0.797	ng/ul	100
29) Benzo(g,h,i)perylene	27.388	276	44551	0.757	ng/ul	100

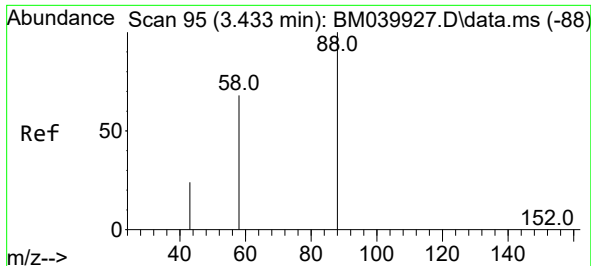
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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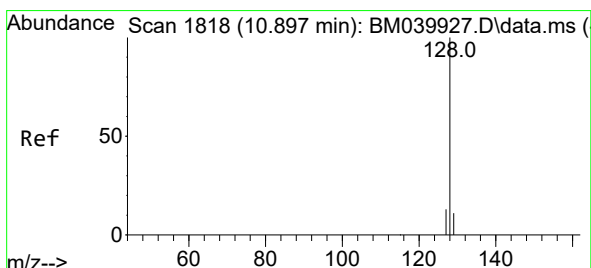
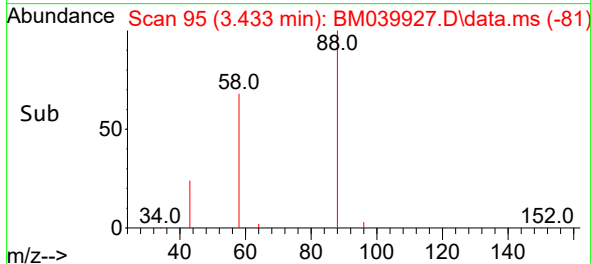
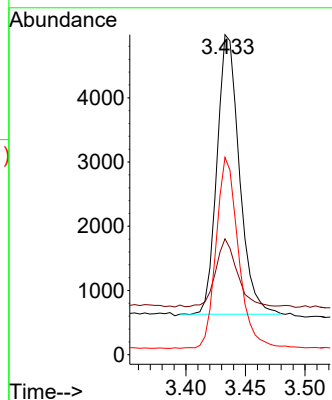
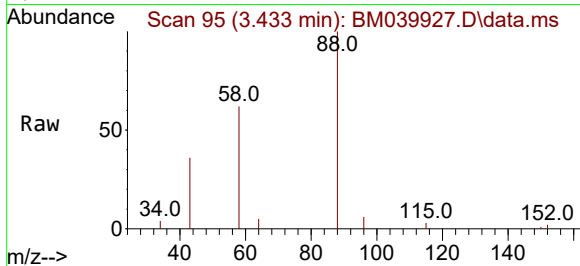




#2
1,4-Dioxane
Concen: 0.394 ng/ul
RT: 3.433 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

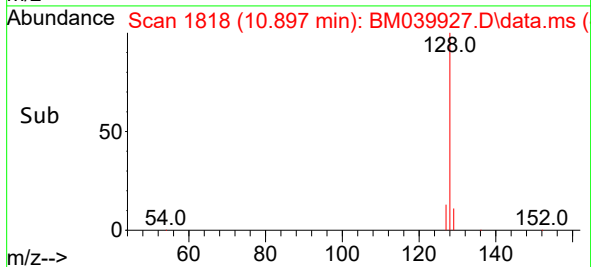
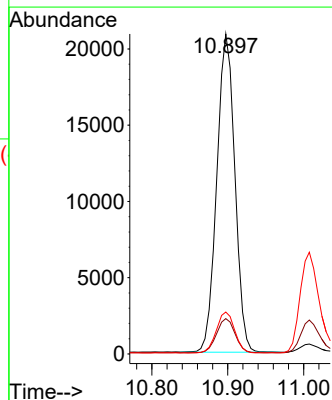
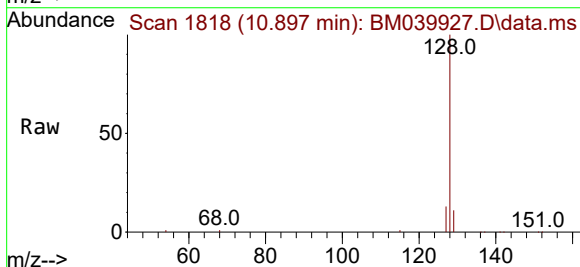
Instrument :
BNA_M
ClientSampleId :
SSTD0.4031

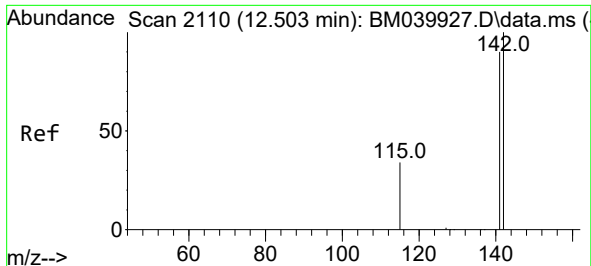
Tgt Ion: 88 Resp: 5683
Ion Ratio Lower Upper
88 100
43 36.2 29.0 43.4
58 61.6 49.3 73.9



#5
Naphthalene
Concen: 0.479 ng/ul
RT: 10.897 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion: 128 Resp: 34410
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.5 15.7

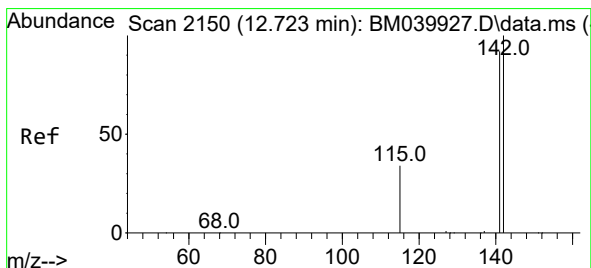
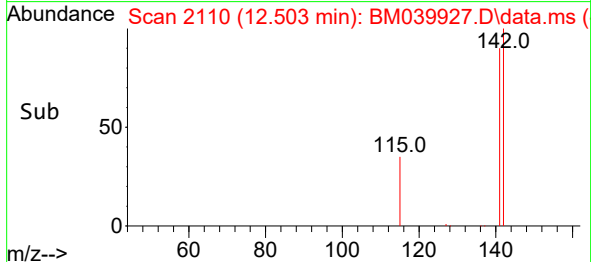
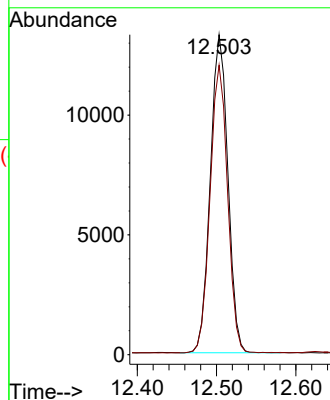
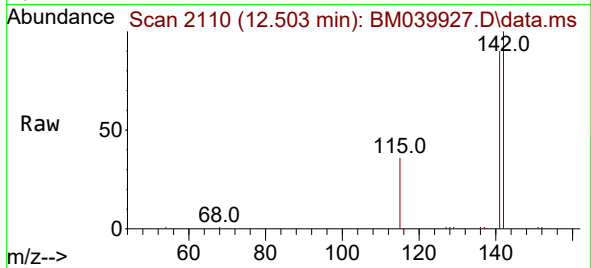




#7
2-Methylnaphthalene
Concen: 0.494 ng/ul
RT: 12.503 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

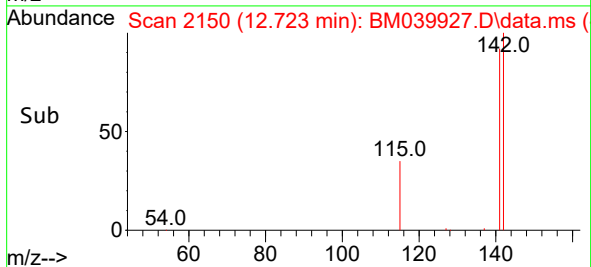
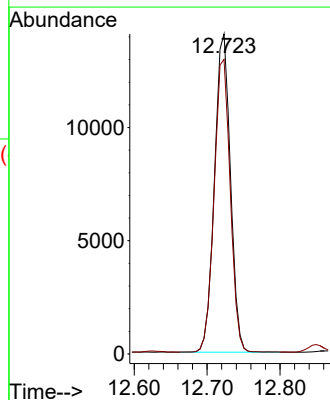
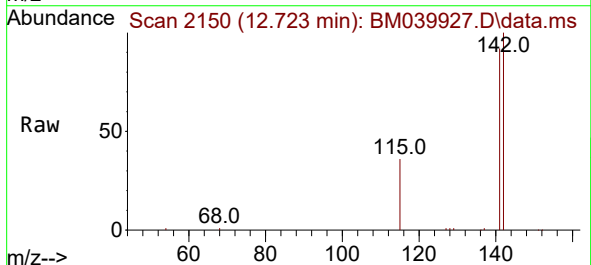
Instrument :
BNA_M
ClientSampleId :
SSTD0.4031

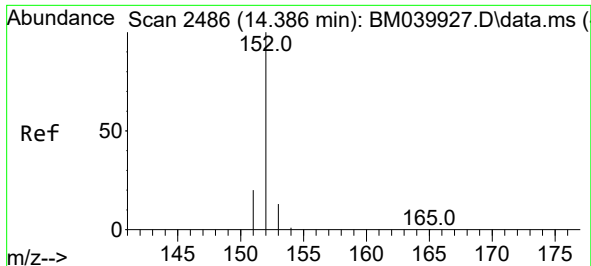
Tgt Ion:142 Resp: 20483
Ion Ratio Lower Upper
142 100
141 90.0 72.0 108.0



#8
1-Methylnaphthalene
Concen: 0.481 ng/ul
RT: 12.723 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:142 Resp: 21403
Ion Ratio Lower Upper
142 100
141 92.9 74.3 111.5

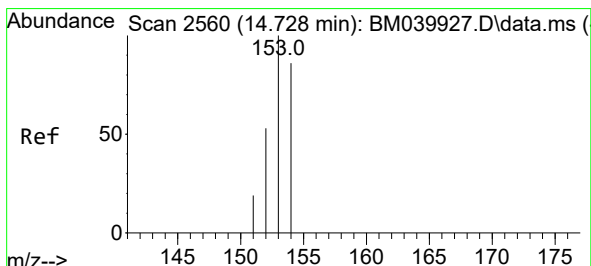
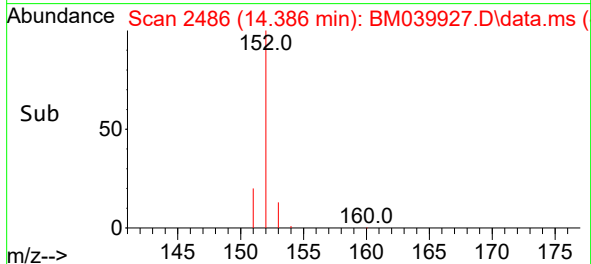
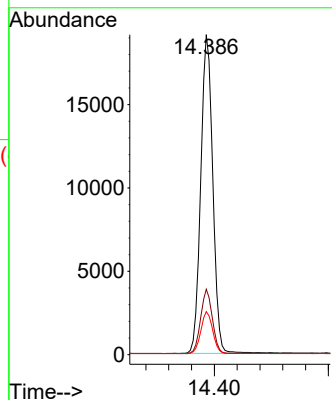
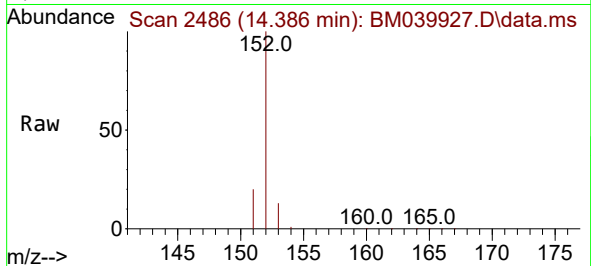




#10
Acenaphthylene
Concen: 0.515 ng/ul
RT: 14.386 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

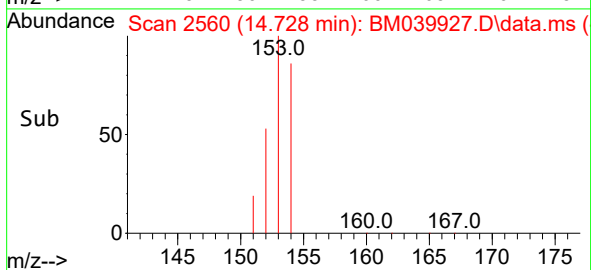
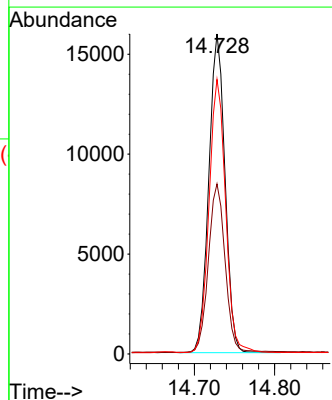
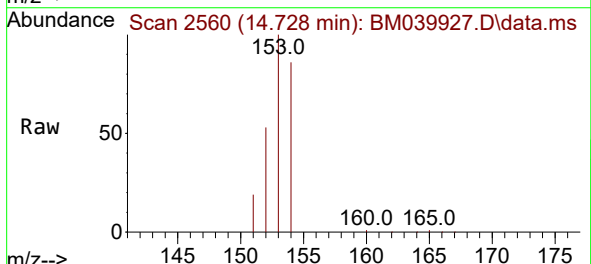
Instrument :
BNA_M
ClientSampleId :
SSTD0.4031

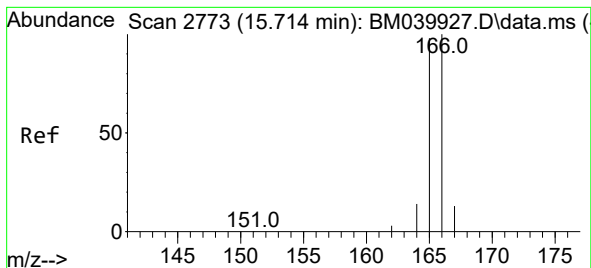
Tgt Ion:	152	Resp:	27988
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.4	10.7	16.1



#11
Acenaphthene
Concen: 0.523 ng/ul
RT: 14.728 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:	153	Resp:	22330
Ion Ratio	Lower	Upper	
153	100		
152	53.2	42.6	63.8
154	85.8	68.6	103.0





#12

Fluorene

Concen: 0.517 ng/ul

RT: 15.714 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039927.D

Acq: 15 May 2023 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.4031

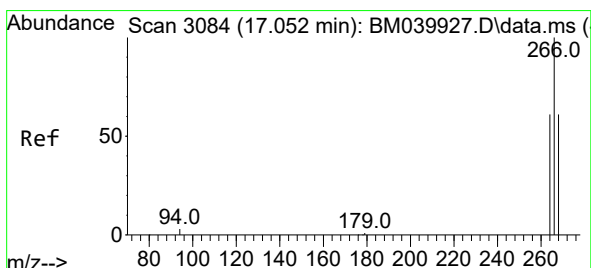
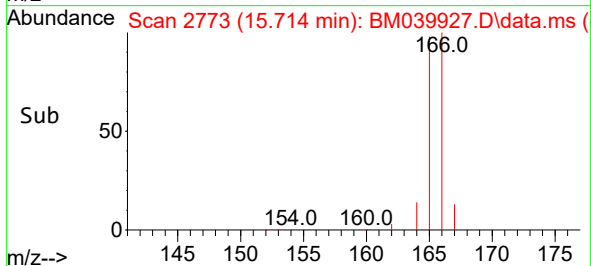
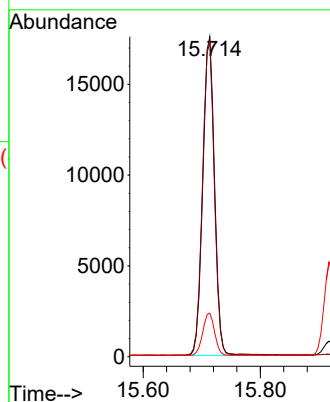
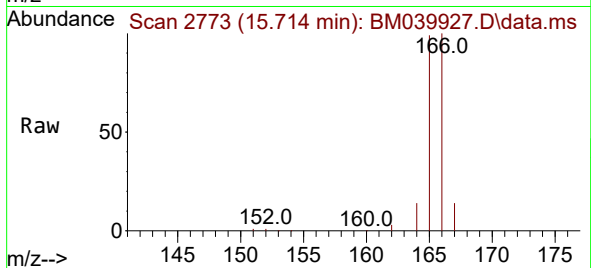
Tgt Ion:166 Resp: 24526

Ion Ratio Lower Upper

166 100

165 98.5 78.8 118.2

167 13.6 10.9 16.3



#14

Pentachlorophenol

Concen: 0.453 ng/ul

RT: 17.052 min Scan# 3084

Delta R.T. 0.000 min

Lab File: BM039927.D

Acq: 15 May 2023 17:01

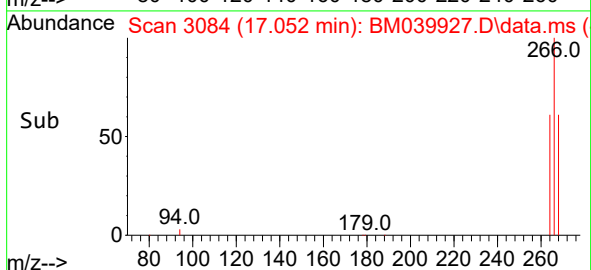
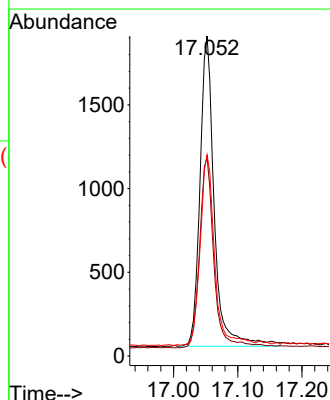
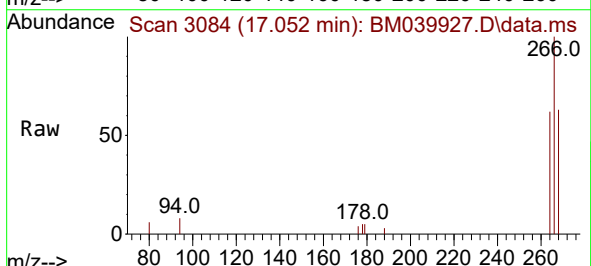
Tgt Ion:266 Resp: 2870

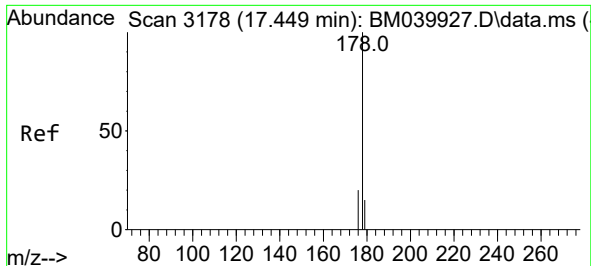
Ion Ratio Lower Upper

266 100

264 62.0 49.6 74.4

268 62.0 49.6 74.4

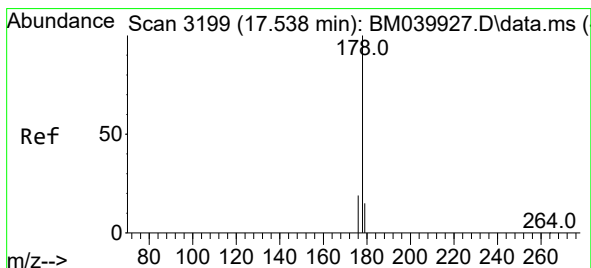
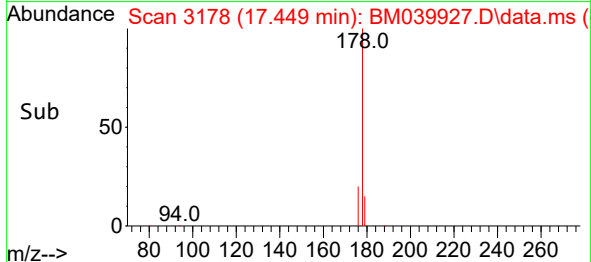
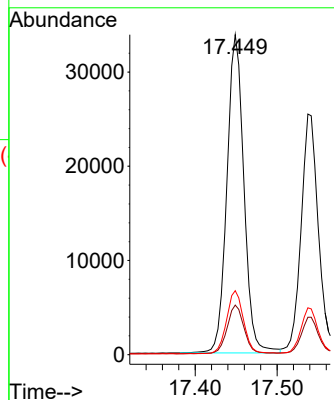
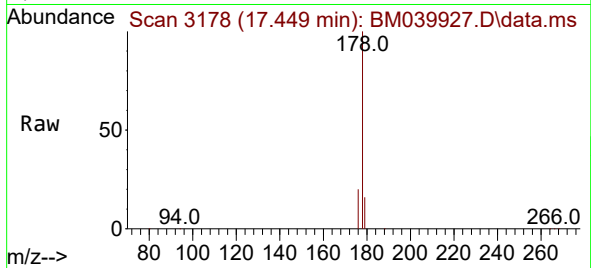




#15
Phenanthrene
Concen: 0.635 ng/ul
RT: 17.449 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

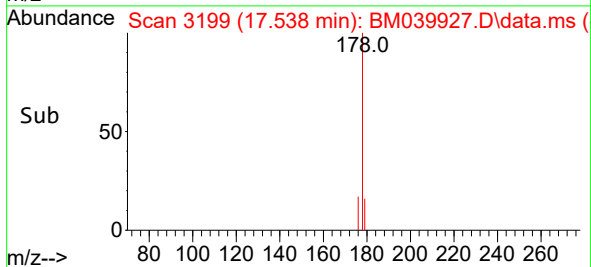
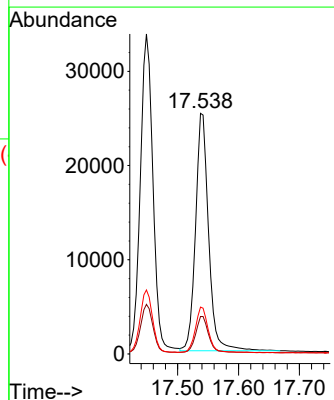
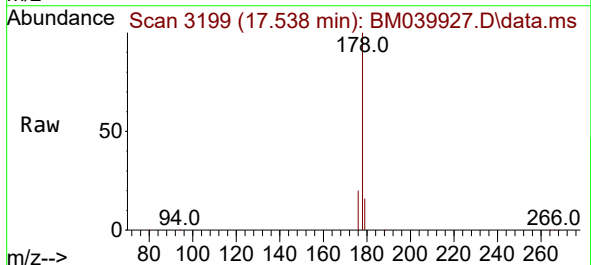
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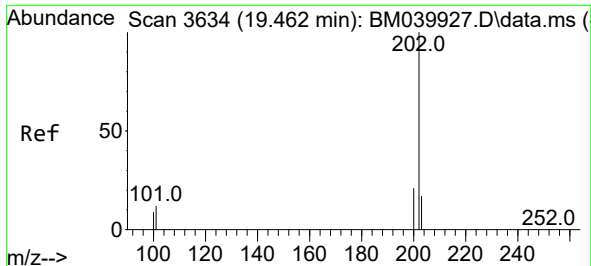
Tgt Ion:178 Resp: 48651
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 20.0 16.0 24.0



#16
Anthracene
Concen: 0.573 ng/ul
RT: 17.538 min Scan# 3199
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:178 Resp: 37674
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 19.5 15.6 23.4

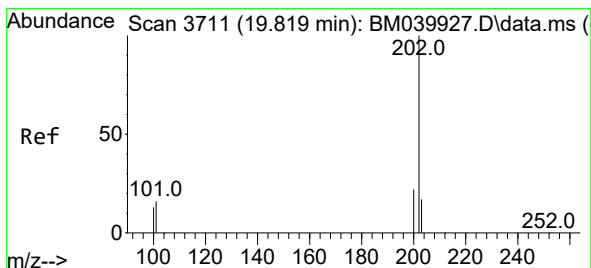
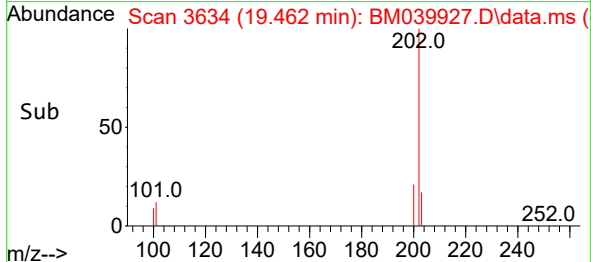
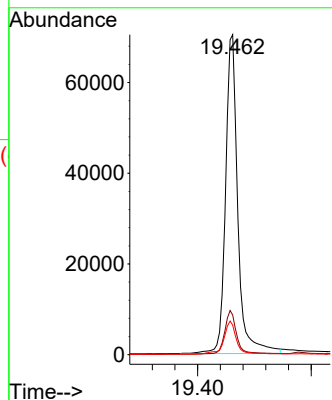
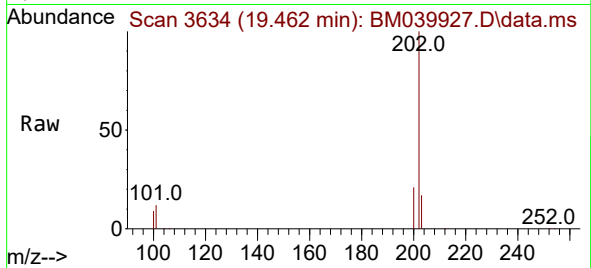




#19
Fluoranthene
Concen: 1.034 ng/ul
RT: 19.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

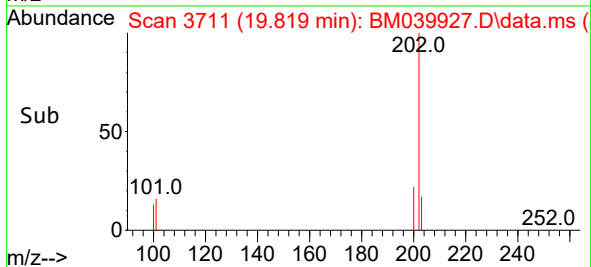
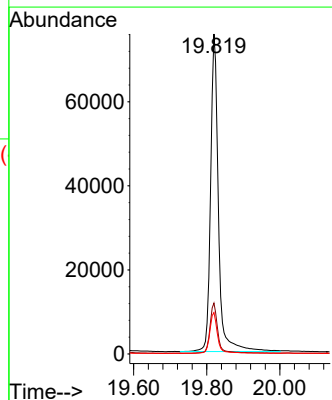
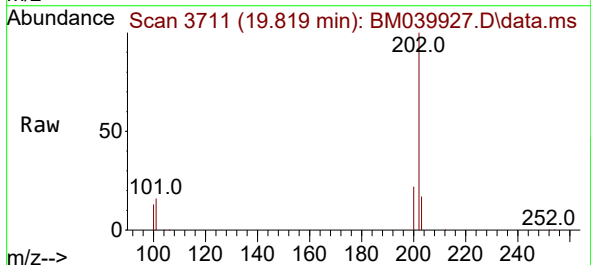
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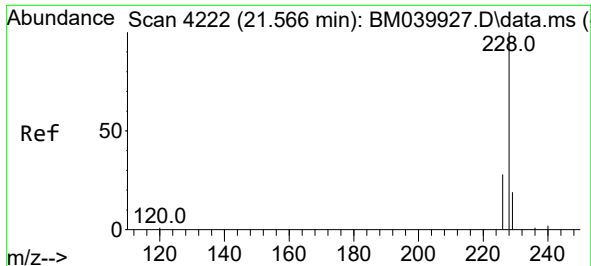
Tgt Ion:202 Resp: 105655
Ion Ratio Lower Upper
202 100
101 12.4 9.9 14.9
100 9.2 7.4 11.0



#20
Pyrene
Concen: 1.024 ng/ul
RT: 19.819 min Scan# 3711
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:202 Resp: 112929
Ion Ratio Lower Upper
202 100
101 15.9 12.7 19.1
100 13.0 10.4 15.6

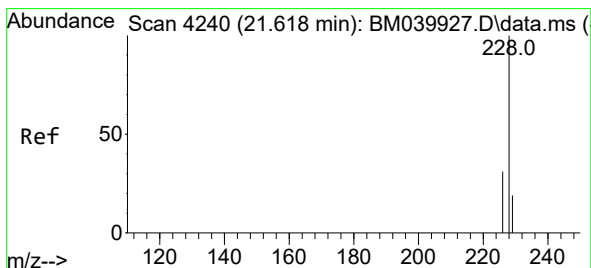
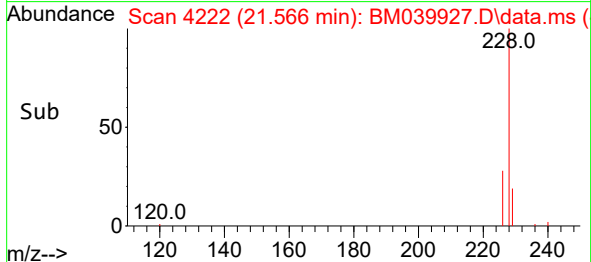
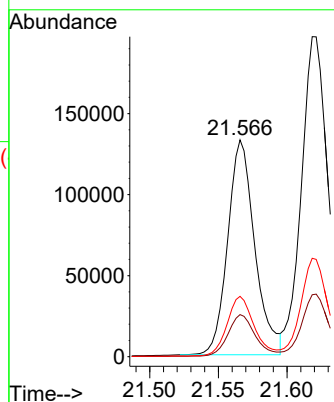
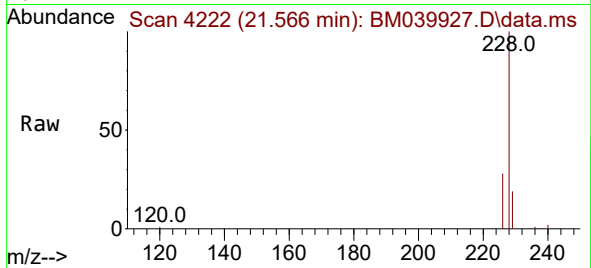




#21
Benzo(a)anthracene
Concen: 2.215 ng/ul
RT: 21.566 min Scan# 4222
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

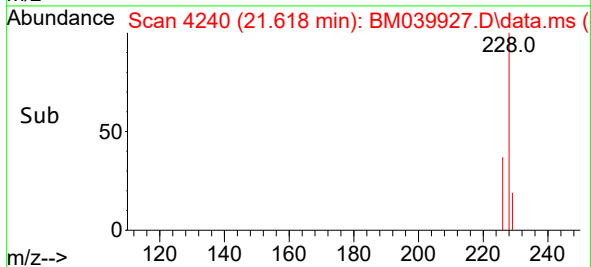
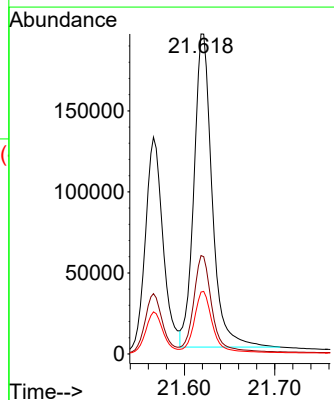
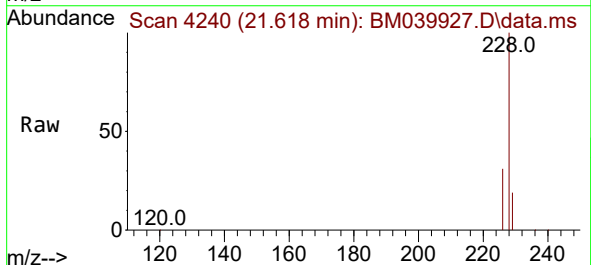
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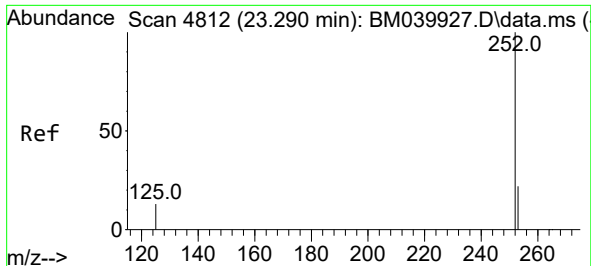
Tgt Ion:228 Resp: 182312
Ion Ratio Lower Upper
228 100
229 19.4 15.5 23.3
226 27.8 22.2 33.4



#22
Chrysene
Concen: 2.897 ng/ul
RT: 21.618 min Scan# 4240
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:228 Resp: 269891
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 19.3 15.4 23.2

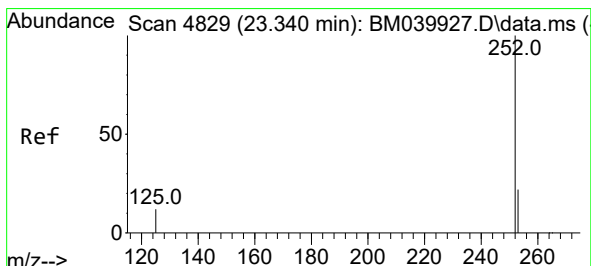
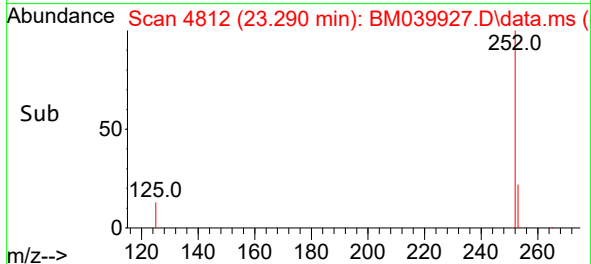
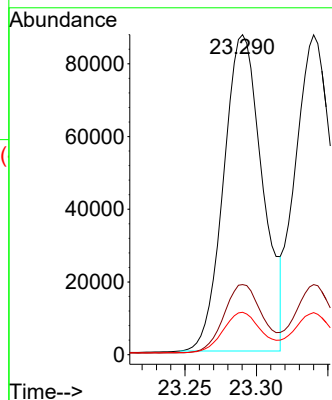
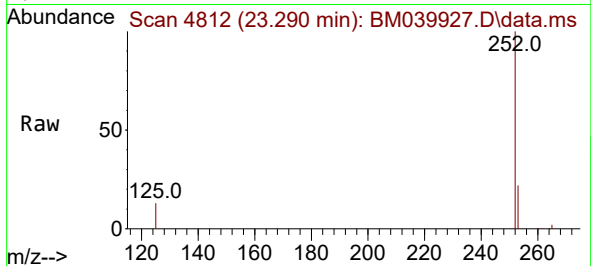




#24
Benzo(b)fluoranthene
Concen: 2.766 ng/ul
RT: 23.290 min Scan# 4812
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

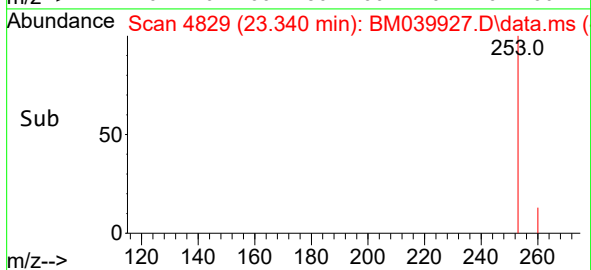
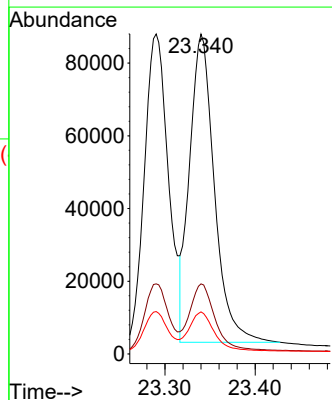
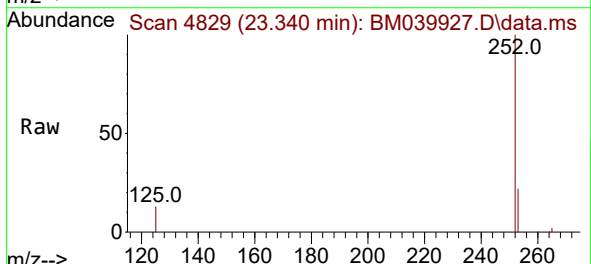
Instrument :
BNA_M
ClientSampleId :
SSTD0.4031

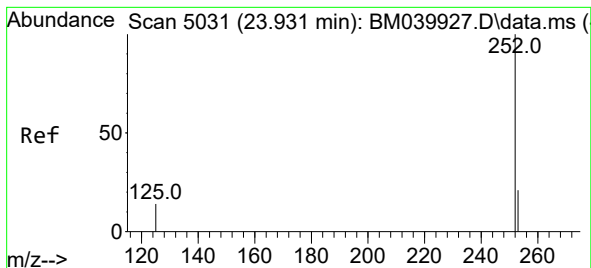
Tgt Ion:252 Resp: 164627
Ion Ratio Lower Upper
252 100
253 21.9 0.0 43.8
125 13.2 0.0 26.4



#25
Benzo(k)fluoranthene
Concen: 2.671 ng/ul
RT: 23.340 min Scan# 4829
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:252 Resp: 161845
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 13.2 10.6 15.8





#26

Benzo(a)pyrene

Concen: 1.254 ng/ul

RT: 23.931 min Scan# 5031

Delta R.T. 0.000 min

Lab File: BM039927.D

Acq: 15 May 2023 17:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.4031

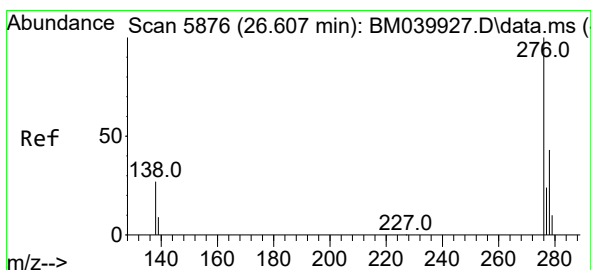
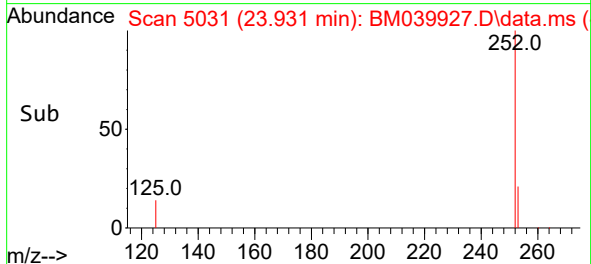
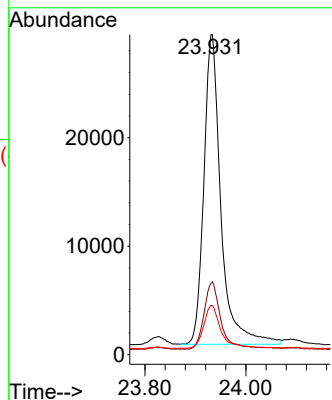
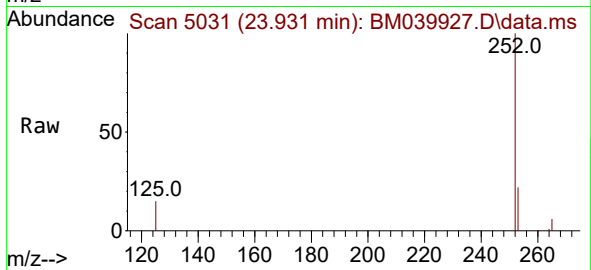
Tgt Ion:252 Resp: 67017

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 15.4 12.3 18.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.835 ng/ul

RT: 26.607 min Scan# 5876

Delta R.T. 0.000 min

Lab File: BM039927.D

Acq: 15 May 2023 17:01

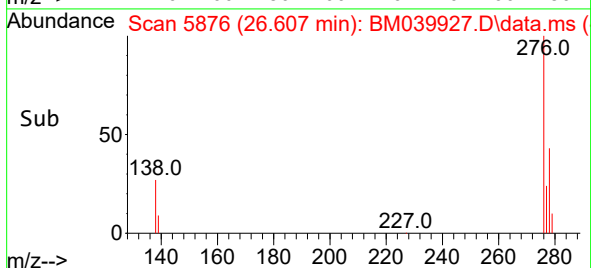
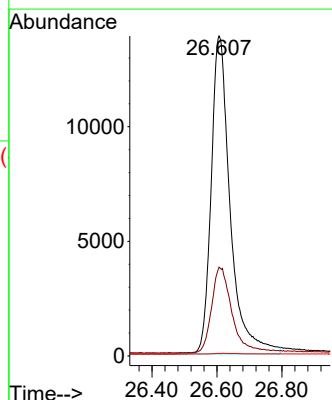
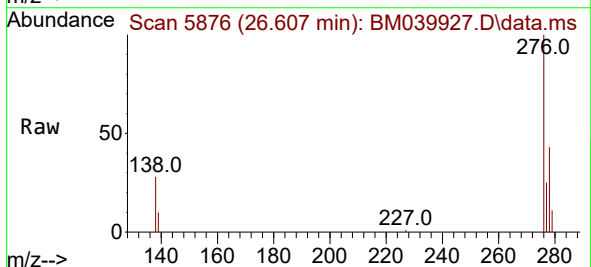
Tgt Ion:276 Resp: 56443

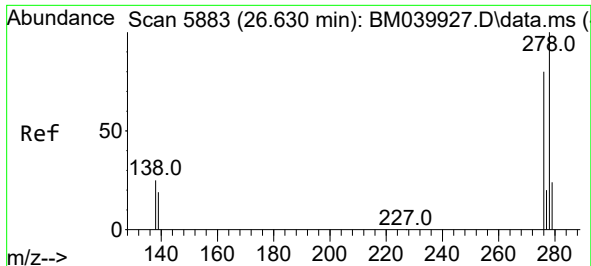
Ion Ratio Lower Upper

276 100

138 28.7 23.0 34.4

227 0.2 0.2 0.2

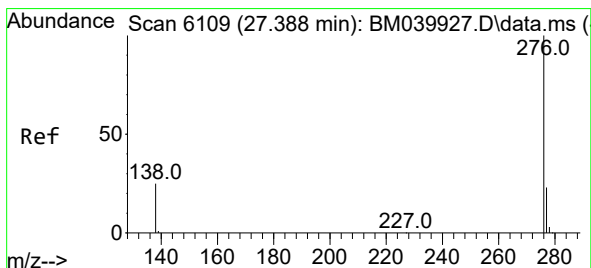
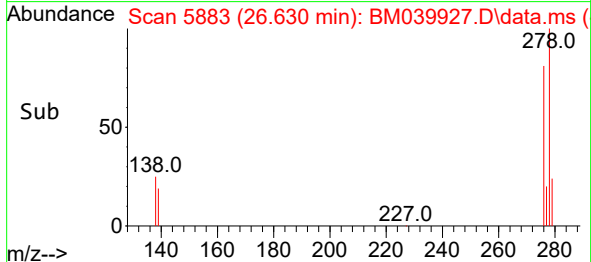
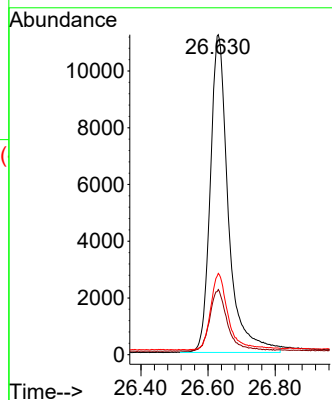
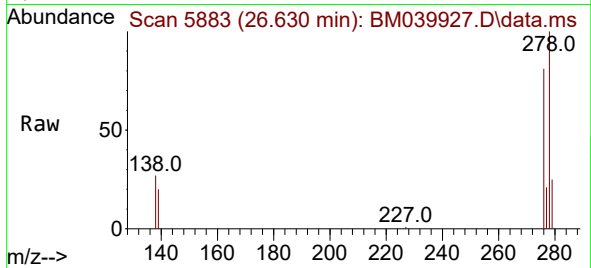




#28
Dibenzo(a,h)anthracene
Concen: 0.797 ng/ul
RT: 26.630 min Scan# 5883
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Instrument :
BNA_M
ClientSampleId :
SSTD0.4031

Tgt Ion:278 Resp: 41769
Ion Ratio Lower Upper
278 100
139 20.4 16.3 24.5
279 25.4 20.3 30.5



#29
Benzo(g,h,i)perylene
Concen: 0.757 ng/ul
RT: 27.388 min Scan# 6109
Delta R.T. 0.000 min
Lab File: BM039927.D
Acq: 15 May 2023 17:01

Tgt Ion:276 Resp: 44551
Ion Ratio Lower Upper
276 100
138 25.9 20.7 31.1
277 24.0 19.2 28.8

