

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
 Data File : BM039311.D
 Acq On : 06 Apr 2023 10:22
 Operator : CG/JU
 Sample : SST0.442
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.4017

Quant Time: Apr 06 23:45:46 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:03:35 2023
 Response via : Initial Calibration

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

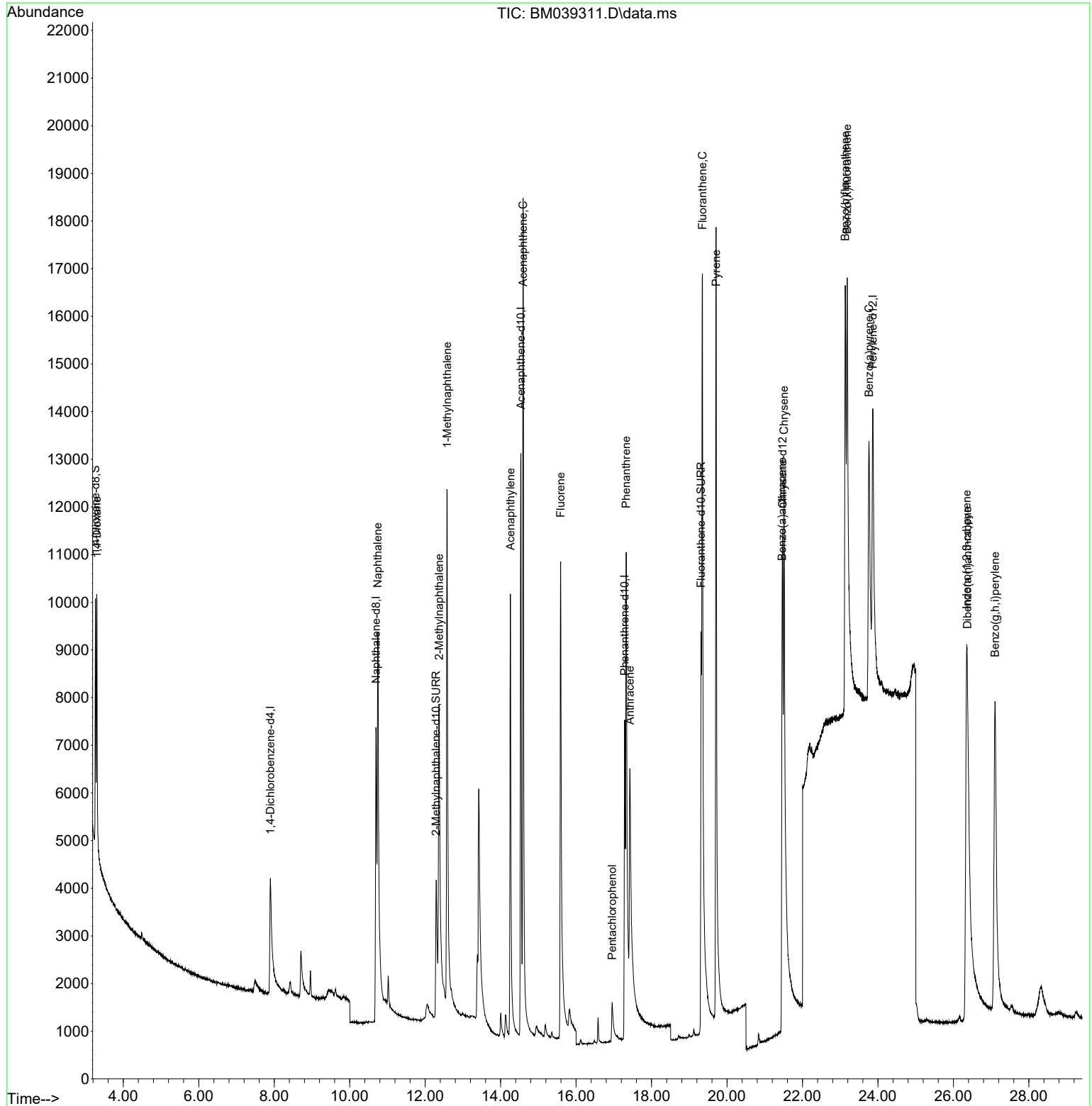
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	3257	0.400	ng/ul	0.00
4) Naphthalene-d8	10.697	136	15381	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.537	164	8318	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.287	188	12134	0.400	ng/ul	0.00
17) Chrysene-d12	21.475	240	9976	0.400	ng/ul	0.00
23) Perylene-d12	23.869	264	11305	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.263	96	3298	0.547	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.291	152	8063	0.453	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	14606	0.470	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.301	88	3471	0.538	ng/ul	100
5) Naphthalene	10.746	128	16721	0.457	ng/ul	100
7) 2-Methylnaphthalene	12.368	142	9323	0.454	ng/ul	100
8) 1-Methylnaphthalene	12.583	142	10592	0.455	ng/ul	100
10) Acenaphthylene	14.259	152	15167	0.470	ng/ul	100
11) Acenaphthene	14.597	153	12004	0.472	ng/ul	100
12) Fluorene	15.591	166	11539	0.456	ng/ul	100
14) Pentachlorophenol	16.953	266	1228	0.424	ng/ul#	79
15) Phenanthrene	17.329	178	15139	0.450	ng/ul	100
16) Anthracene	17.426	178	10961	0.428	ng/ul	100
19) Fluoranthene	19.348	202	19275	0.467	ng/ul	100
20) Pyrene	19.710	202	22430	0.474	ng/ul	100
21) Benzo(a)anthracene	21.460	228	10445	0.451	ng/ul	100
22) Chrysene	21.510	228	13080	0.464	ng/ul	100
24) Benzo(b)fluoranthene	23.135	252	15804	0.441	ng/ul	100
25) Benzo(k)fluoranthene	23.184	252	14831	0.434	ng/ul	100
26) Benzo(a)pyrene	23.763	252	16320	0.452	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.351	276	21443	0.471	ng/ul	100
28) Dibenzo(a,h)anthracene	26.371	278	14955	0.469	ng/ul	100
29) Benzo(g,h,i)perylene	27.102	276	20924	0.479	ng/ul	100

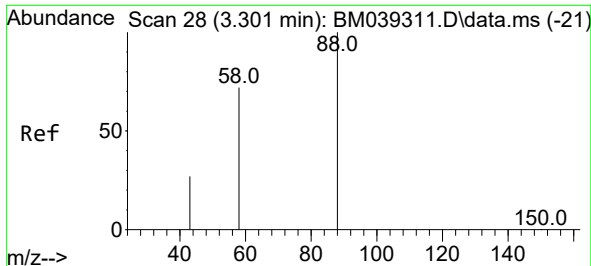
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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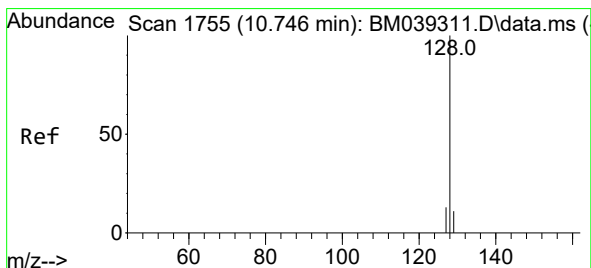
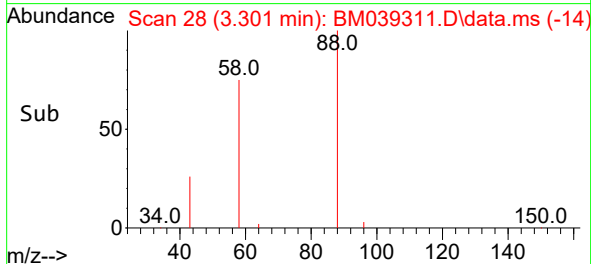
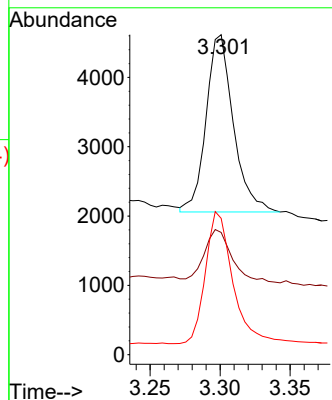
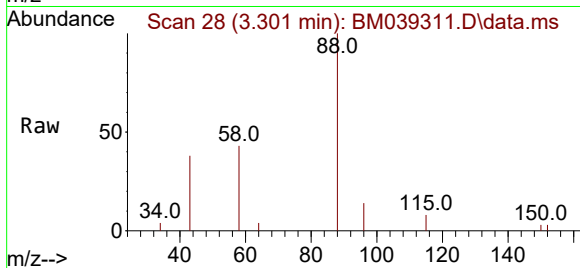




#2
1,4-Dioxane
Concen: 0.538 ng/ul
RT: 3.301 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

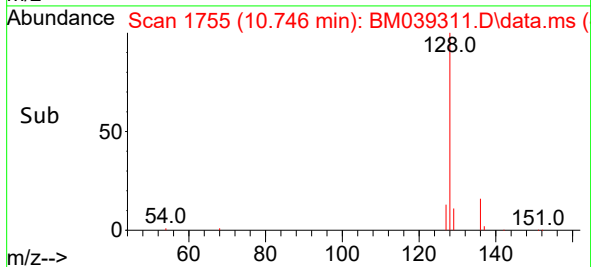
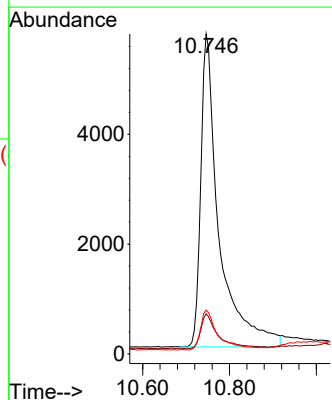
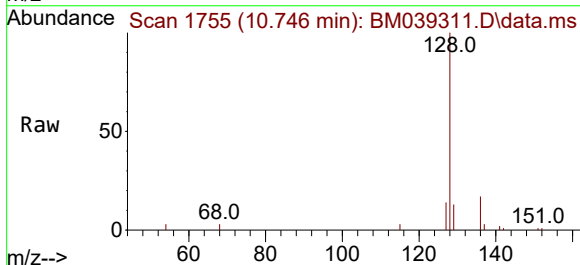
Instrument :
BNA_M
ClientSampleId :
SSTD0.4017

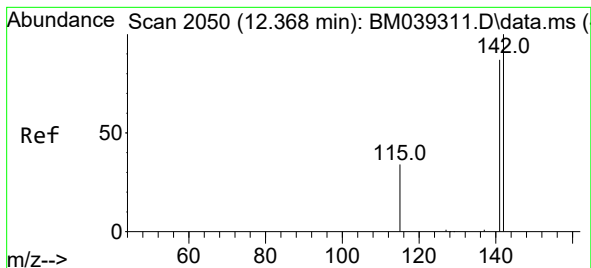
Tgt Ion: 88 Resp: 3471
Ion Ratio Lower Upper
88 100
43 38.2 30.6 45.8
58 42.6 34.1 51.1



#5
Naphthalene
Concen: 0.457 ng/ul
RT: 10.746 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion: 128 Resp: 16721
Ion Ratio Lower Upper
128 100
129 12.6 10.1 15.1
127 13.7 11.0 16.4

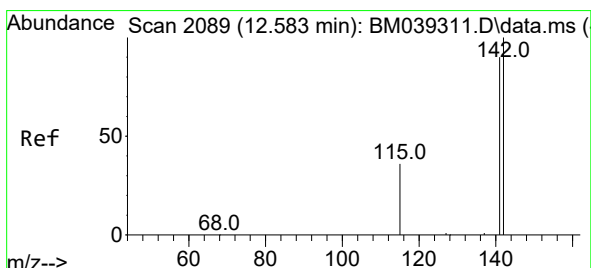
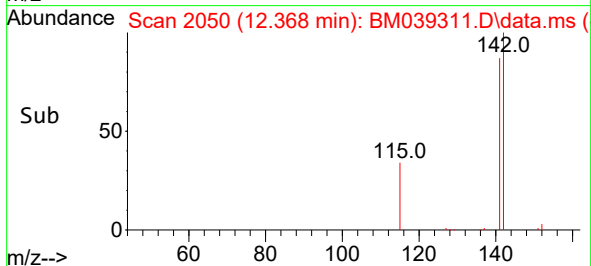
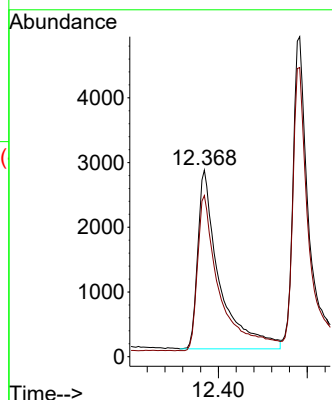
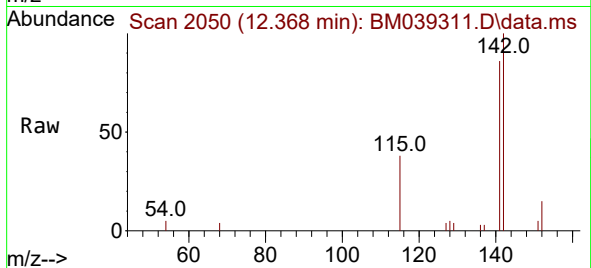




#7
2-Methylnaphthalene
Concen: 0.454 ng/ul
RT: 12.368 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

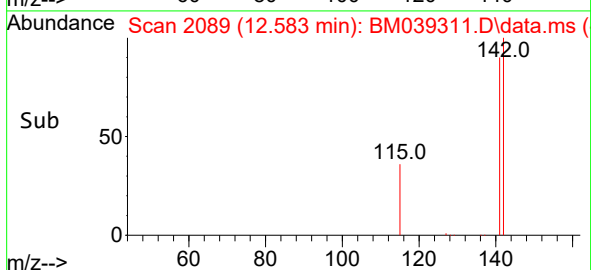
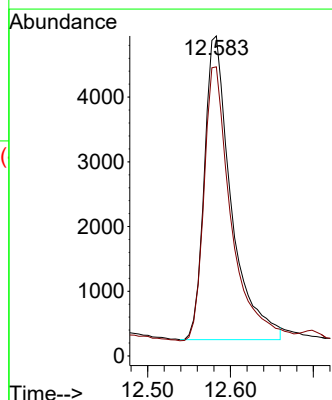
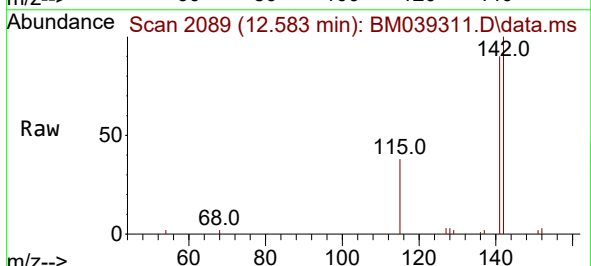
Instrument :
BNA_M
ClientSampleId :
SSTD0.4017

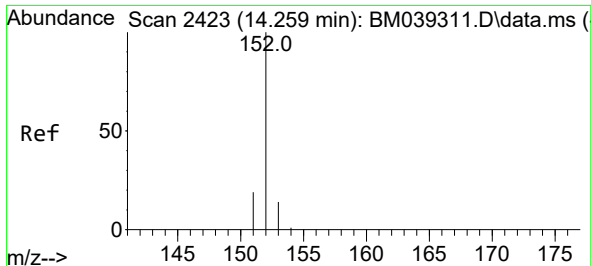
Tgt Ion:142 Resp: 9323
Ion Ratio Lower Upper
142 100
141 89.7 71.8 107.6



#8
1-Methylnaphthalene
Concen: 0.455 ng/ul
RT: 12.583 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:142 Resp: 10592
Ion Ratio Lower Upper
142 100
141 90.8 72.6 109.0

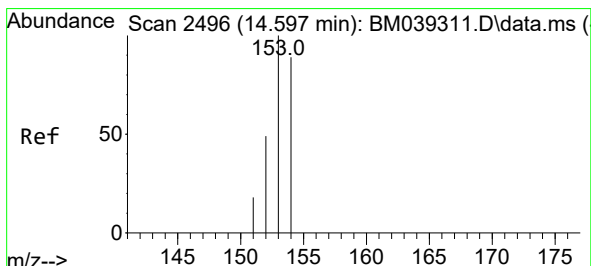
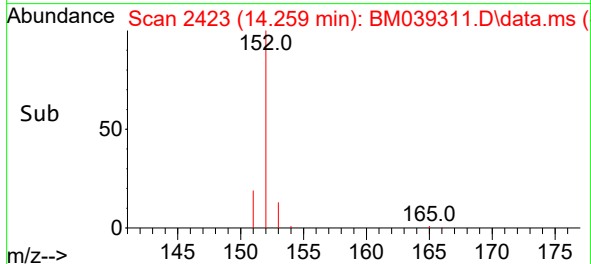
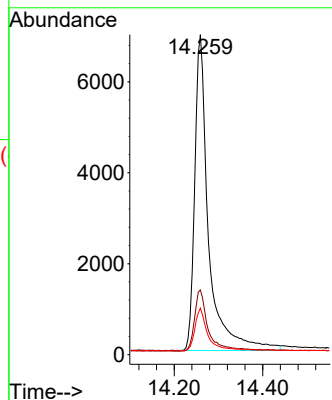
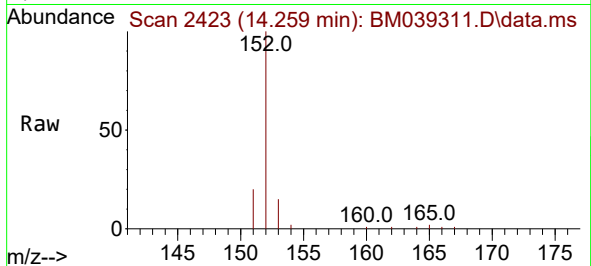




#10
Acenaphthylene
Concen: 0.470 ng/ul
RT: 14.259 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

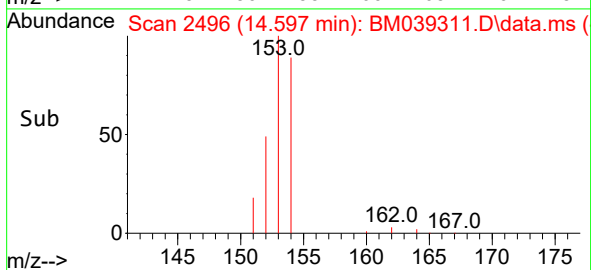
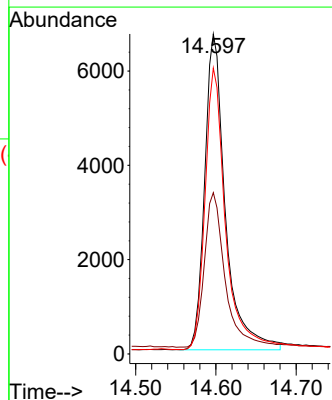
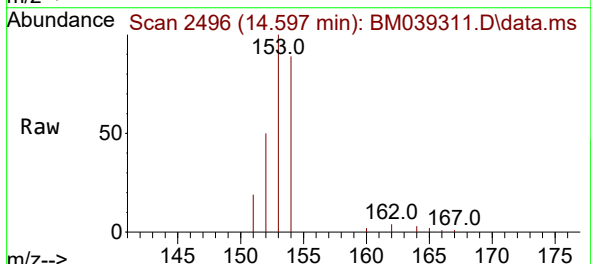
Instrument :
BNA_M
ClientSampleId :
SSTD0.4017

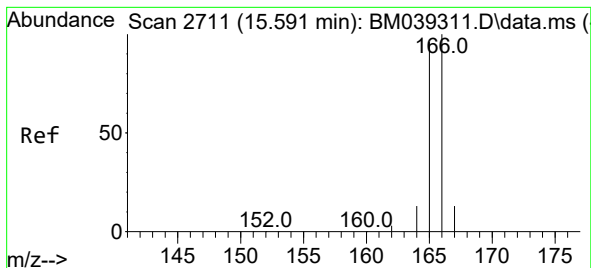
Tgt Ion:152 Resp: 15167
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 14.5 11.6 17.4



#11
Acenaphthene
Concen: 0.472 ng/ul
RT: 14.597 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:153 Resp: 12004
Ion Ratio Lower Upper
153 100
152 50.4 40.3 60.5
154 89.4 71.5 107.3





#12

Fluorene

Concen: 0.456 ng/ul

RT: 15.591 min Scan# 2711

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4017

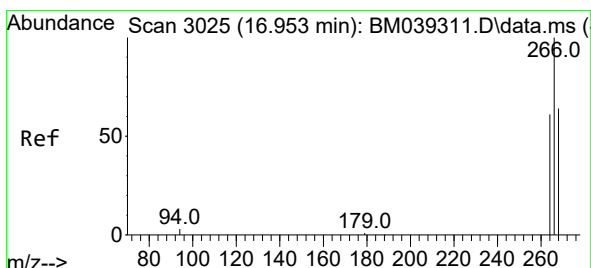
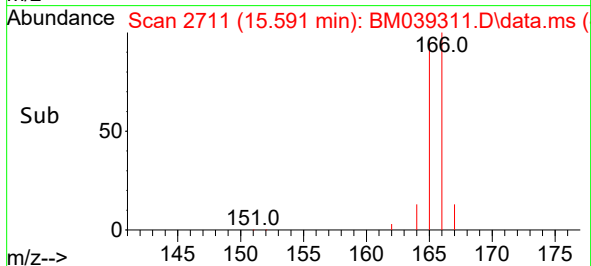
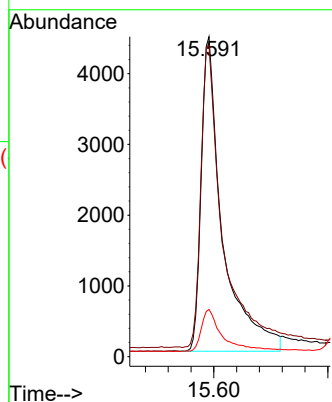
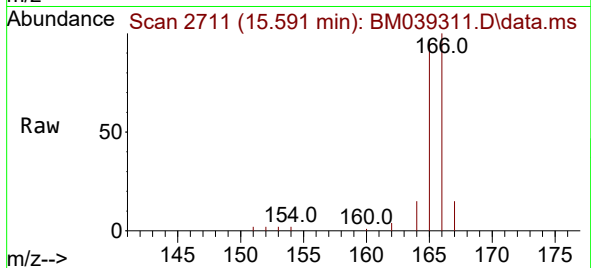
Tgt Ion:166 Resp: 11539

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.8

167 14.7 11.8 17.6



#14

Pentachlorophenol

Concen: 0.424 ng/ul

RT: 16.953 min Scan# 3025

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

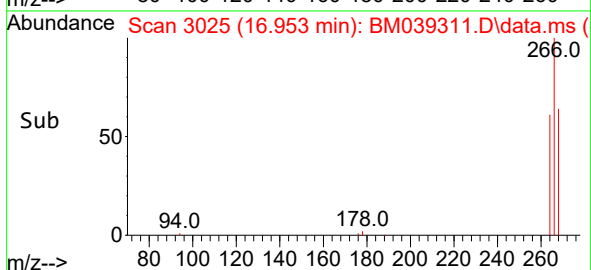
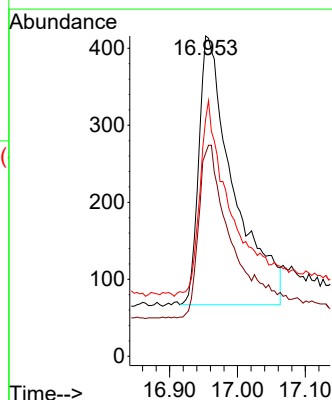
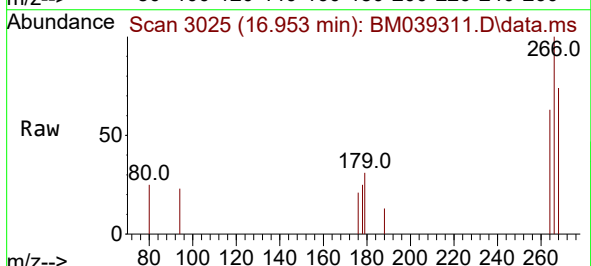
Tgt Ion:266 Resp: 1228

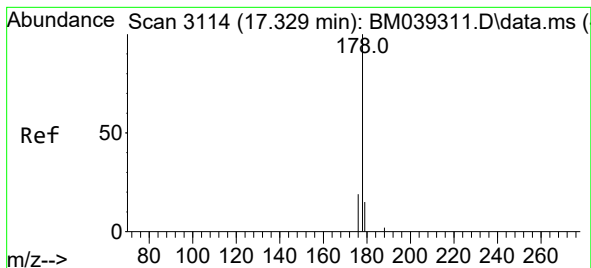
Ion Ratio Lower Upper

266 100

264 63.7 39.6 59.4#

268 68.2 42.4 63.6#





#15

Phenanthrene

Concen: 0.450 ng/ul

RT: 17.329 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4017

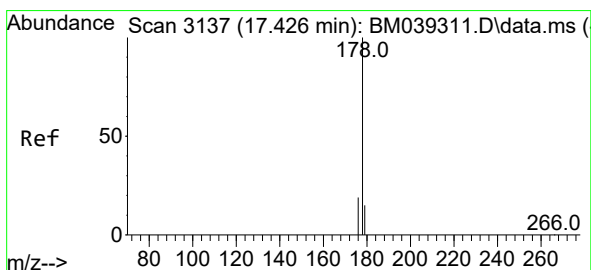
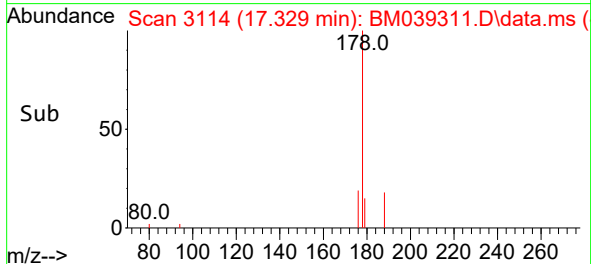
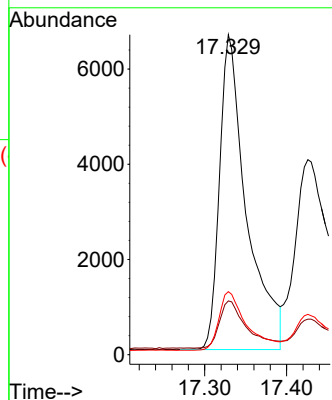
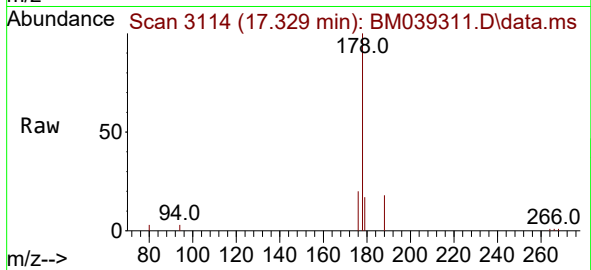
Tgt Ion:178 Resp: 15139

Ion Ratio Lower Upper

178 100

179 16.8 13.4 20.2

176 19.7 15.8 23.6



#16

Anthracene

Concen: 0.428 ng/ul

RT: 17.426 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

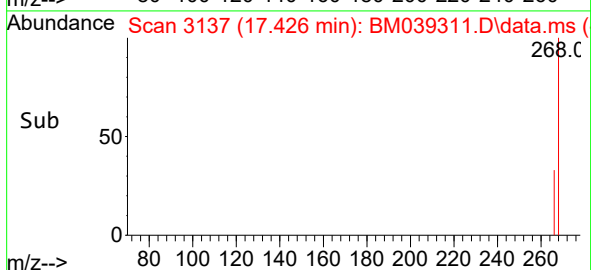
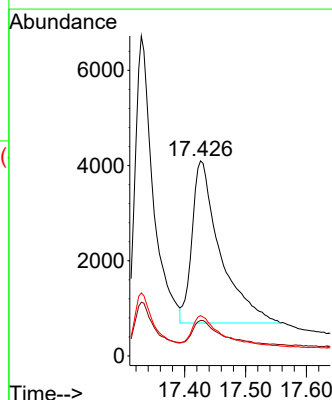
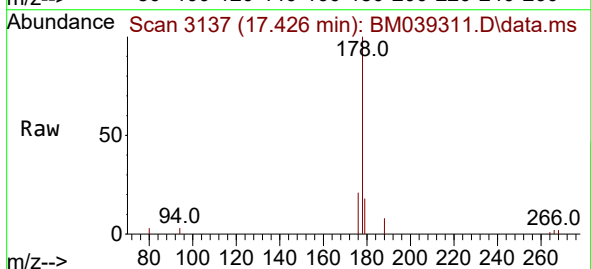
Tgt Ion:178 Resp: 10961

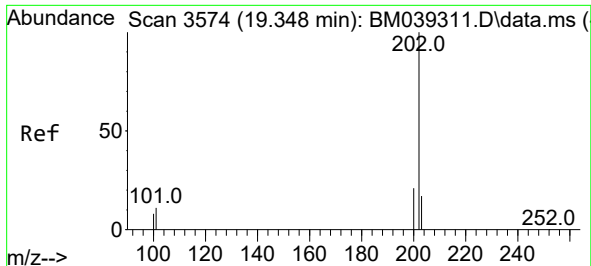
Ion Ratio Lower Upper

178 100

179 18.2 14.6 21.8

176 20.7 16.6 24.8

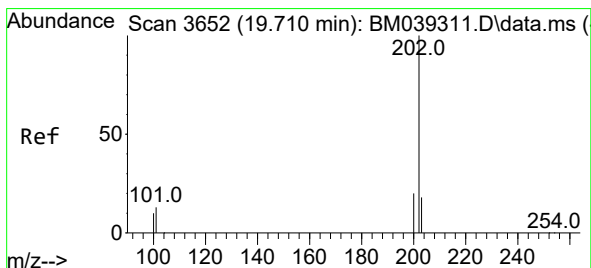
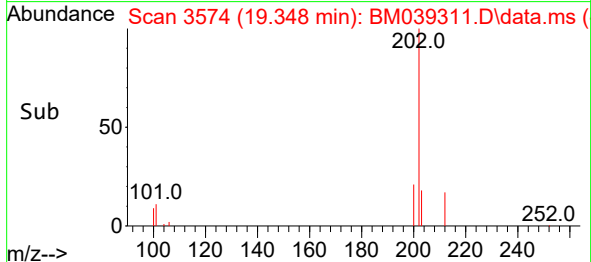
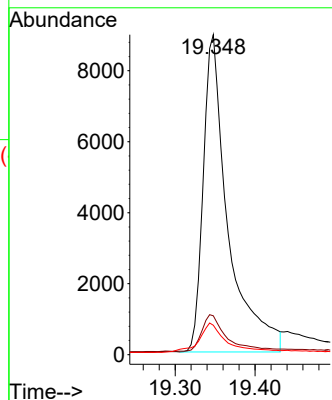
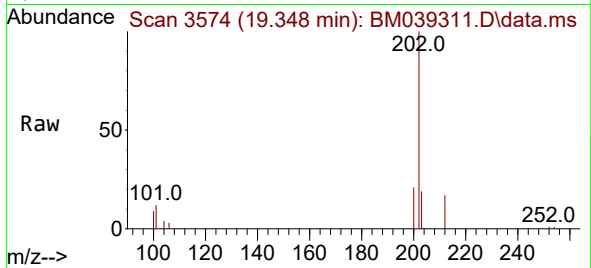




#19
Fluoranthene
Concen: 0.467 ng/ul
RT: 19.348 min Scan# 3574
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

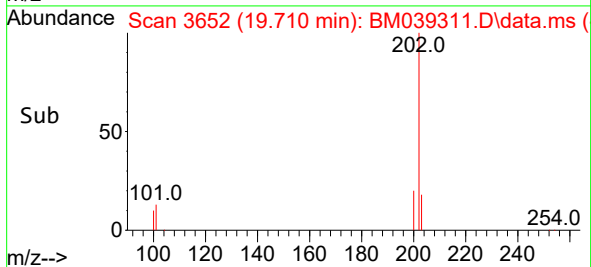
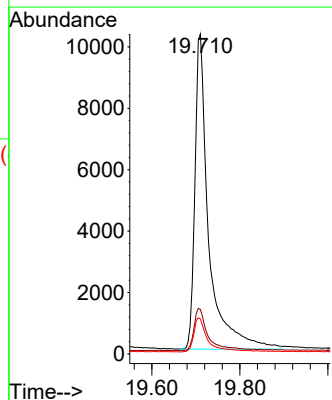
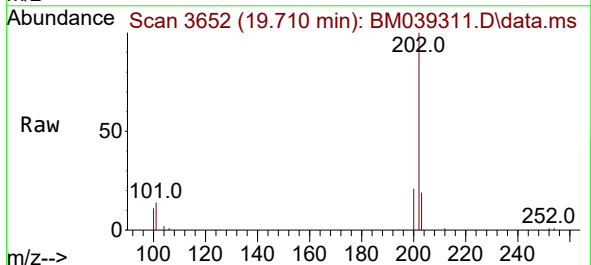
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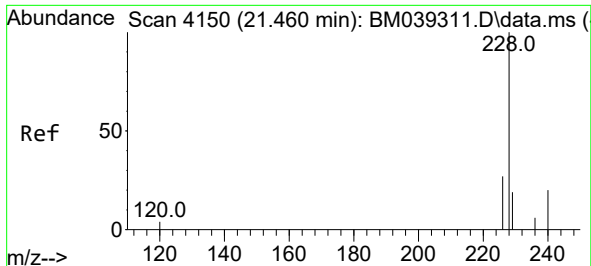
Tgt Ion:202 Resp: 19275
Ion Ratio Lower Upper
202 100
101 12.1 9.7 14.5
100 9.2 7.4 11.0



#20
Pyrene
Concen: 0.474 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:202 Resp: 22430
Ion Ratio Lower Upper
202 100
101 13.9 11.1 16.7
100 11.0 8.8 13.2

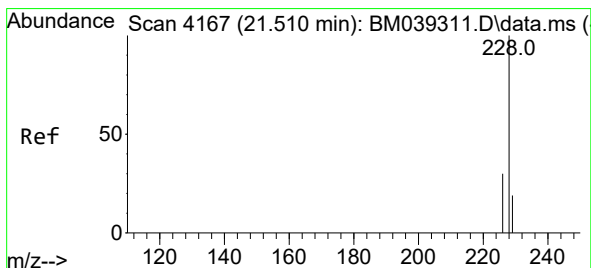
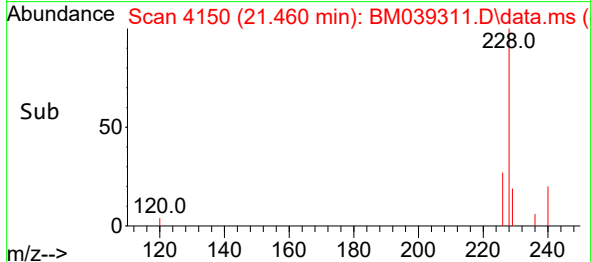
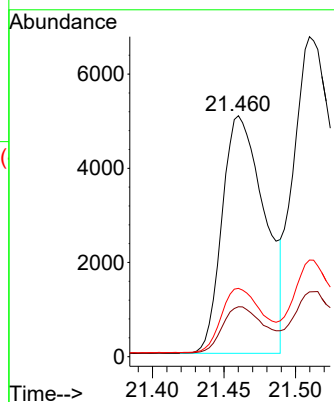
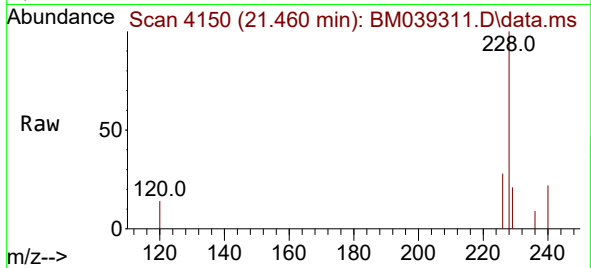




#21
Benzo(a)anthracene
Concen: 0.451 ng/ul
RT: 21.460 min Scan# 4150
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

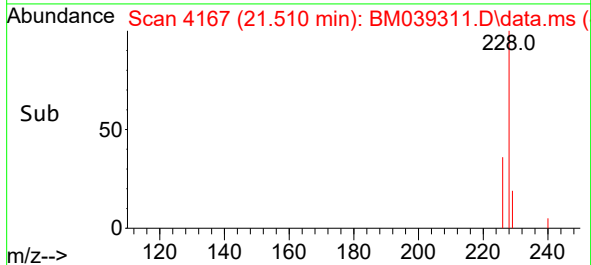
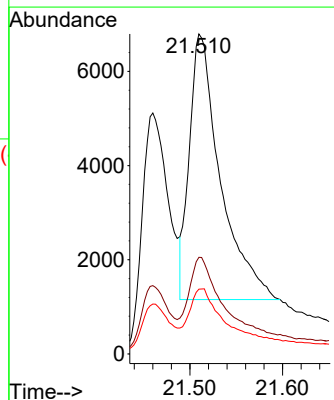
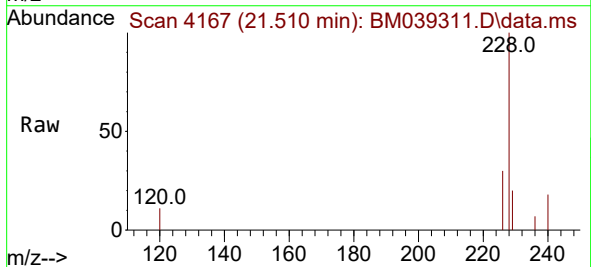
Instrument :
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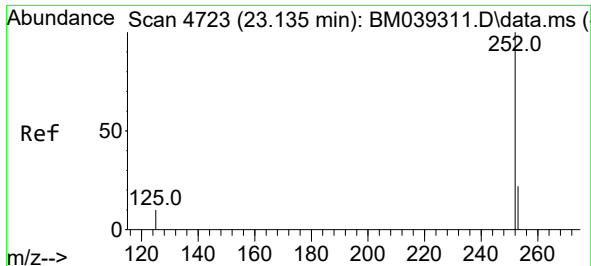
Tgt Ion:228 Resp: 10445
Ion Ratio Lower Upper
228 100
229 20.7 16.6 24.8
226 28.3 22.6 34.0



#22
Chrysene
Concen: 0.464 ng/ul
RT: 21.510 min Scan# 4167
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:228 Resp: 13080
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 20.3 16.2 24.4

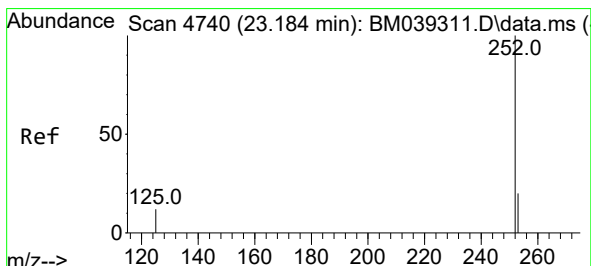
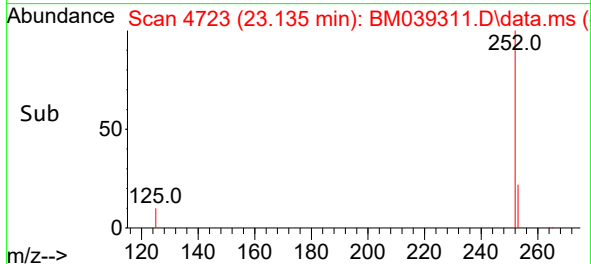
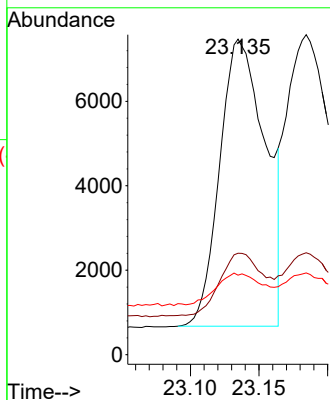
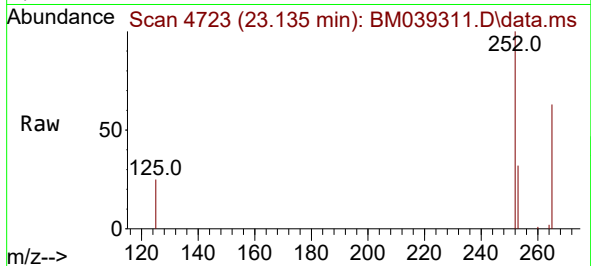




#24
Benzo(b)fluoranthene
Concen: 0.441 ng/ul
RT: 23.135 min Scan# 4723
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

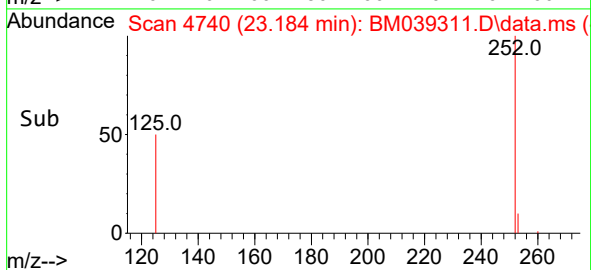
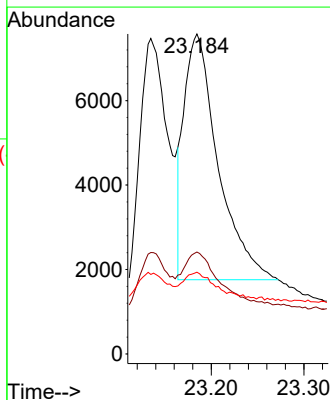
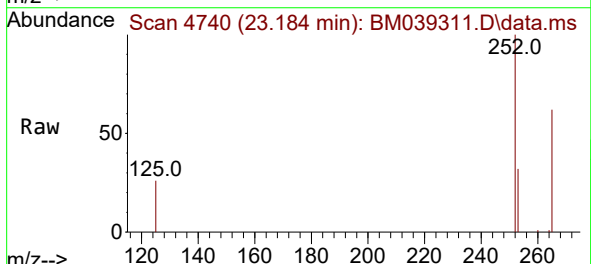
Instrument :
BNA_M
ClientSampleId :
SSTD0.4017

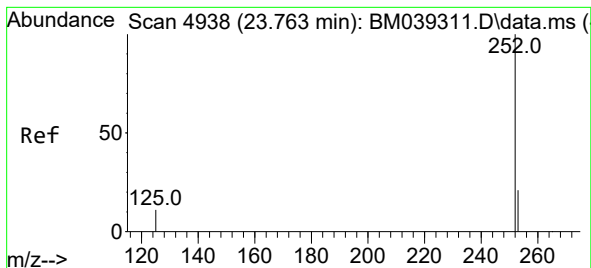
Tgt Ion:252 Resp: 15804
Ion Ratio Lower Upper
252 100
253 32.2 0.0 64.4
125 25.2 0.0 50.4



#25
Benzo(k)fluoranthene
Concen: 0.434 ng/ul
RT: 23.184 min Scan# 4740
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:252 Resp: 14831
Ion Ratio Lower Upper
252 100
253 31.9 25.5 38.3
125 25.5 20.4 30.6





#26

Benzo(a)pyrene

Concen: 0.452 ng/ul

RT: 23.763 min Scan# 4938

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.4017

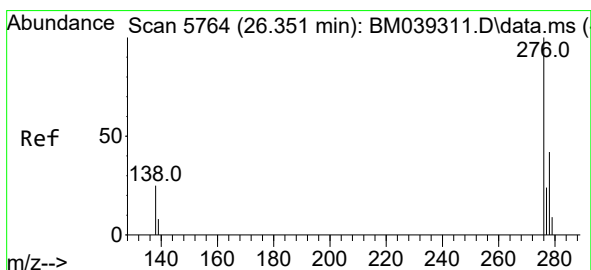
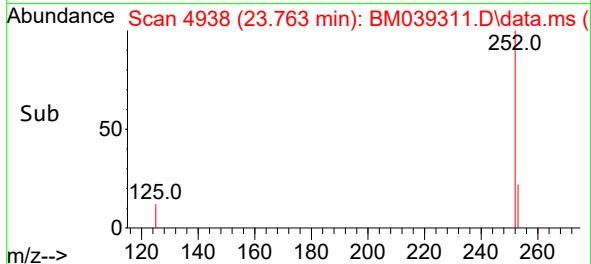
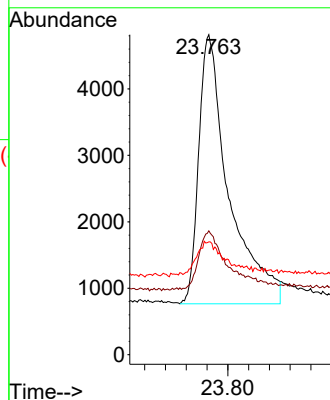
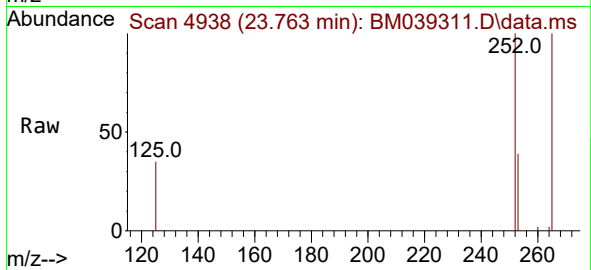
Tgt Ion:252 Resp: 16320

Ion Ratio Lower Upper

252 100

253 38.7 31.0 46.4

125 35.3 28.2 42.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.471 ng/ul

RT: 26.351 min Scan# 5764

Delta R.T. 0.000 min

Lab File: BM039311.D

Acq: 06 Apr 2023 10:22

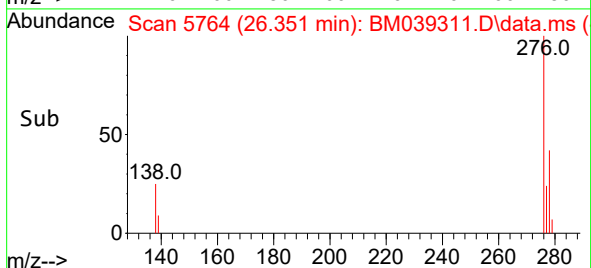
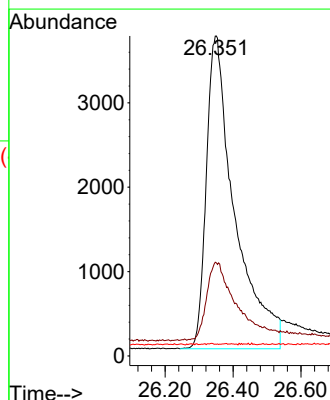
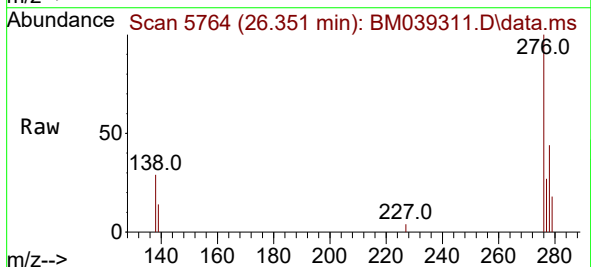
Tgt Ion:276 Resp: 21443

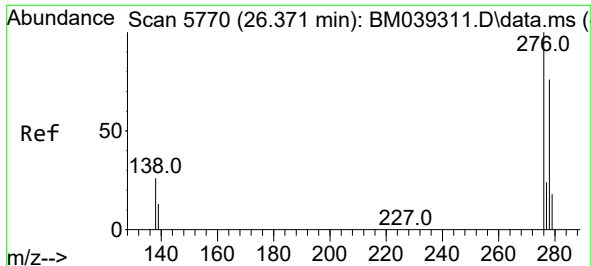
Ion Ratio Lower Upper

276 100

138 26.7 21.4 32.0

227 0.1 0.1 0.1

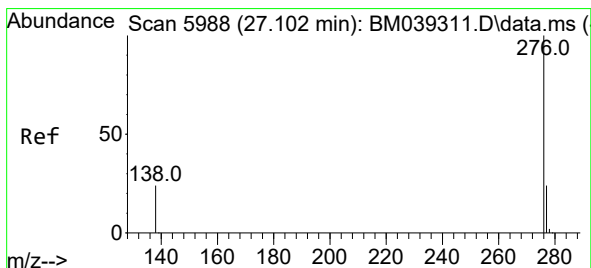
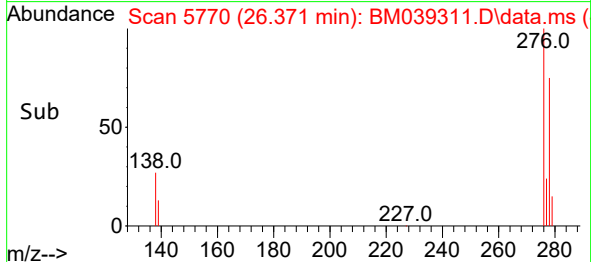
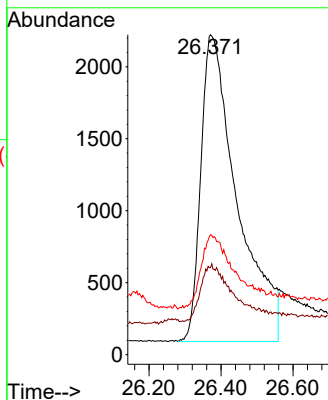
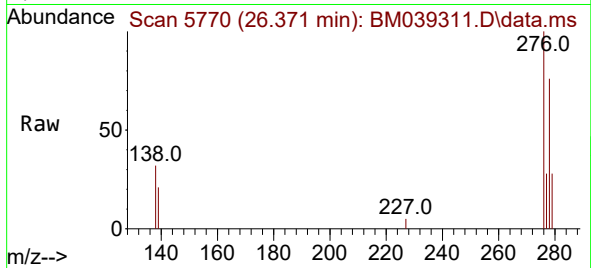




#28
Dibenzo(a,h)anthracene
Concen: 0.469 ng/ul
RT: 26.371 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Instrument :
BNA_M
ClientSampleId :
SSTD0.4017

Tgt Ion:278 Resp: 14955
Ion Ratio Lower Upper
278 100
139 27.2 21.8 32.6
279 37.5 30.0 45.0



#29
Benzo(g,h,i)perylene
Concen: 0.479 ng/ul
RT: 27.102 min Scan# 5988
Delta R.T. 0.000 min
Lab File: BM039311.D
Acq: 06 Apr 2023 10:22

Tgt Ion:276 Resp: 20924
Ion Ratio Lower Upper
276 100
138 27.7 22.2 33.2
277 26.5 21.2 31.8

