

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040049.D
 Acq On : 26 May 2023 22:40
 Operator : CG/JU
 Sample : PB153065BS
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS065

Quant Time: May 27 00:12:50 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 15:01:16 2023
 Response via : Initial Calibration

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

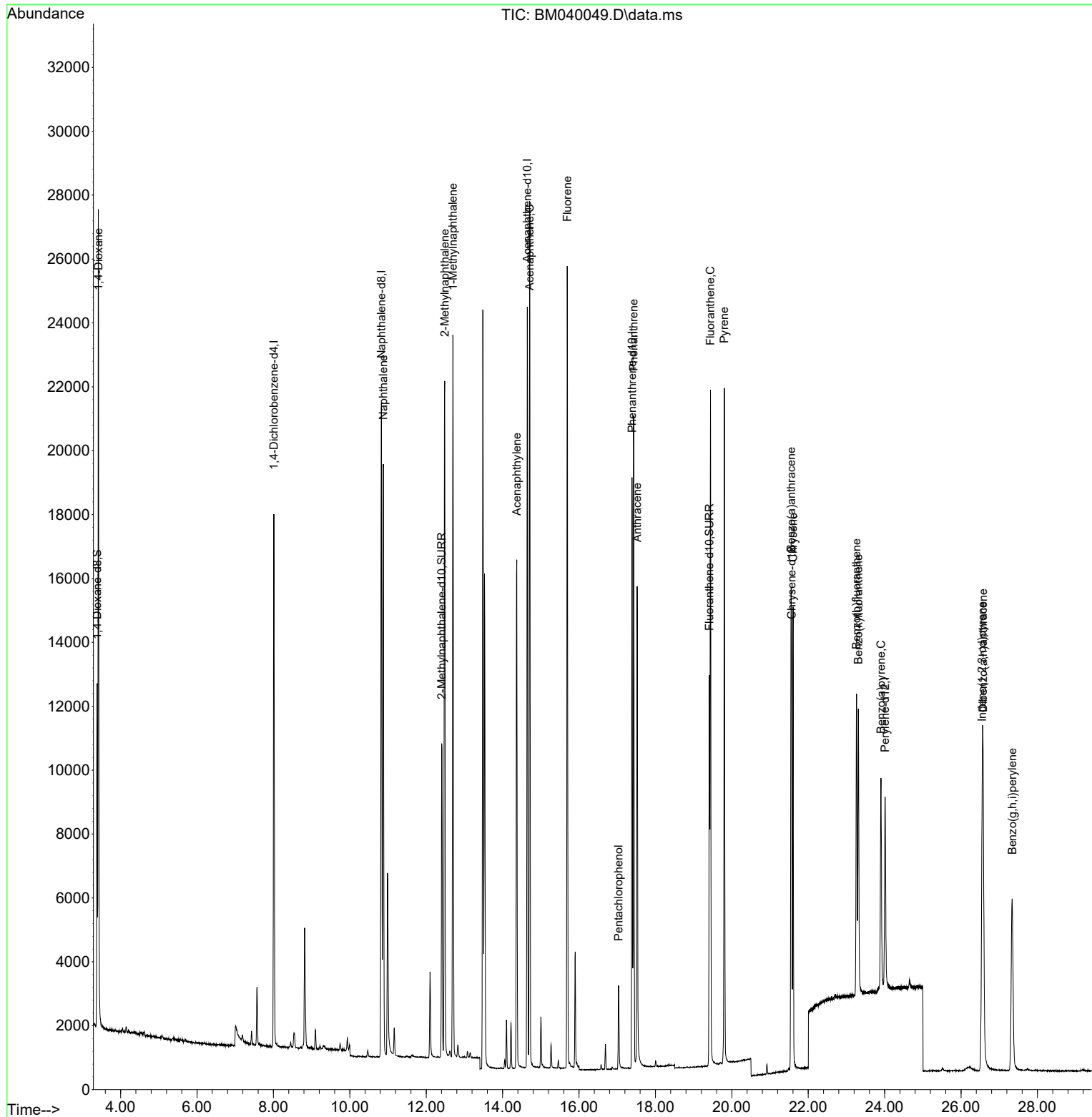
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	8307	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	27708	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	12570	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	20855	0.400	ng/ul	0.00
17) Chrysene-d12	21.564	240	8808	0.400	ng/ul	0.00
23) Perylene-d12	24.011	264	8561	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	6719	0.695	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	12940	0.382	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	12071	0.455	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	16661	1.637	ng/ul	91
5) Naphthalene	10.877	128	25293	0.374	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	15017	0.368	ng/ul	100
8) 1-Methylnaphthalene	12.697	142	15229	0.359	ng/ul	100
10) Acenaphthylene	14.369	152	18064	0.361	ng/ul	99
11) Acenaphthene	14.707	153	15218	0.373	ng/ul	99
12) Fluorene	15.692	166	15115	0.356	ng/ul	99
14) Pentachlorophenol	17.037	266	1833	0.434	ng/ul	99
15) Phenanthrene	17.429	178	21121	0.358	ng/ul	99
16) Anthracene	17.522	178	16915	0.341	ng/ul	99
19) Fluoranthene	19.440	202	17110	0.432	ng/ul	100
20) Pyrene	19.803	202	16905	0.421	ng/ul	99
21) Benzo(a)anthracene	21.550	228	11398	0.384	ng/ul	99
22) Chrysene	21.602	228	12298	0.390	ng/ul	99
24) Benzo(b)fluoranthene	23.266	252	12439	0.366	ng/ul	97
25) Benzo(k)fluoranthene	23.312	252	11946	0.349	ng/ul	97
26) Benzo(a)pyrene	23.903	252	10550	0.371	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.555	276	15067	0.368	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.578	278	11947	0.361	ng/ul	99
29) Benzo(g,h,i)perylene	27.339	276	12477	0.372	ng/ul	100

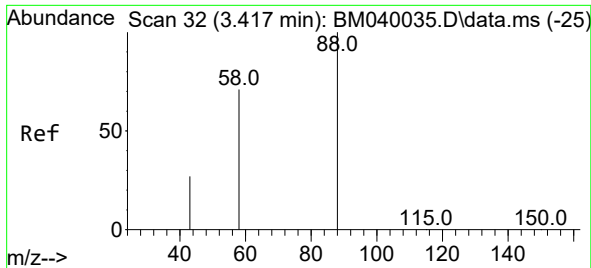
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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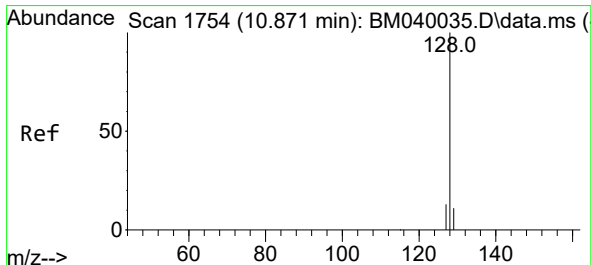
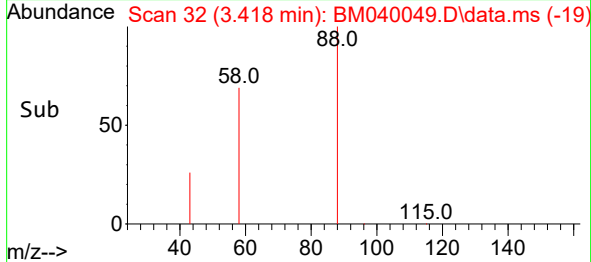
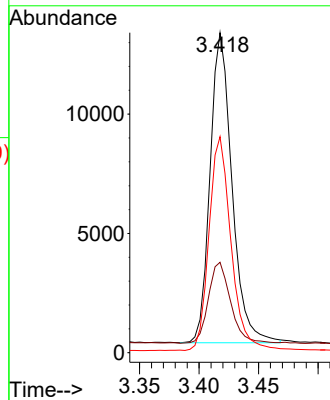
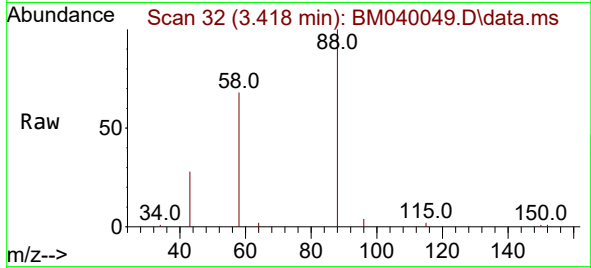


#2
1,4-Dioxane

Concen: 1.637 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

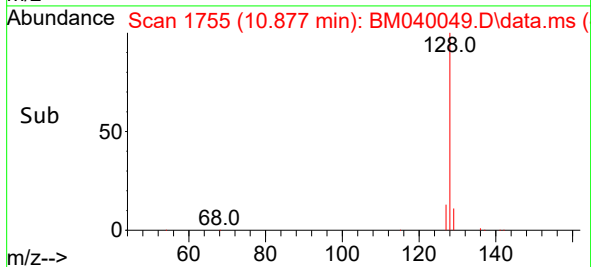
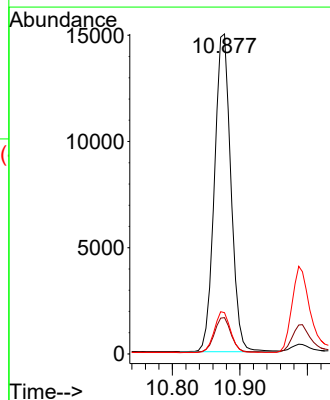
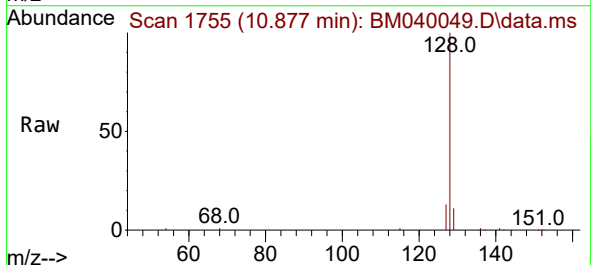
Instrument :
BNA_M
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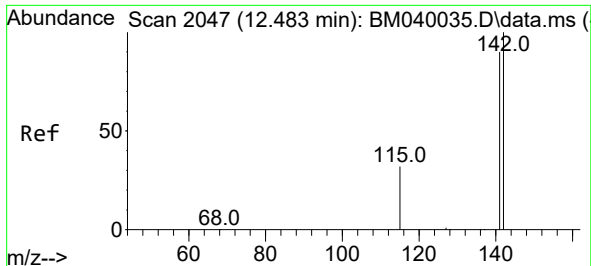
Tgt Ion: 88 Resp: 16661
Ion Ratio Lower Upper
88 100
43 28.2 25.9 38.9
58 67.5 48.5 72.7



#5
Naphthalene
Concen: 0.374 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

Tgt Ion: 128 Resp: 25293
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.9 10.5 15.7

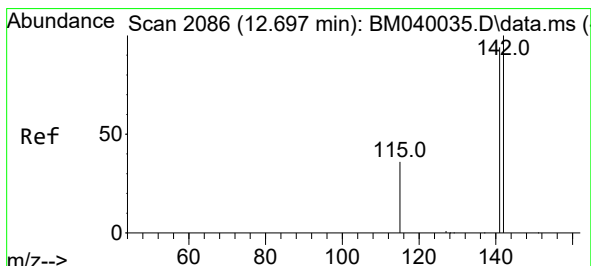
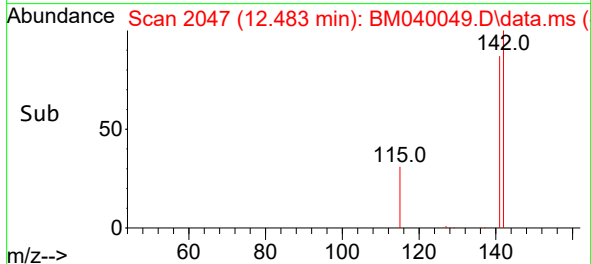
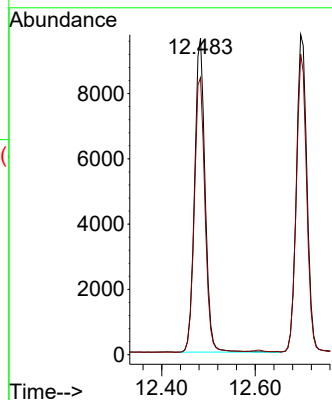
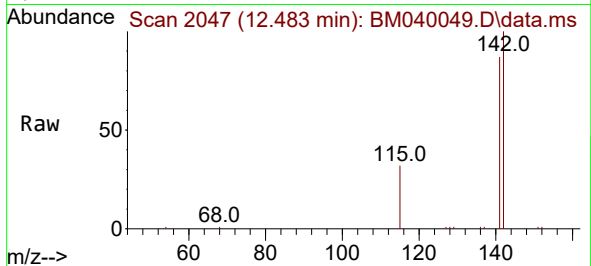




#7
2-Methylnaphthalene
Concen: 0.368 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

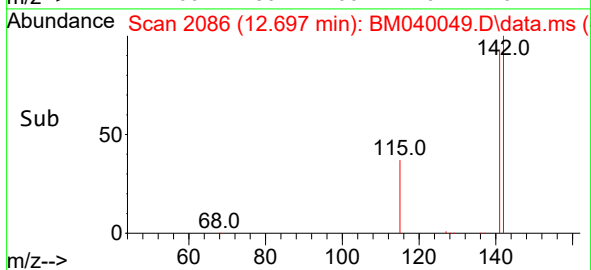
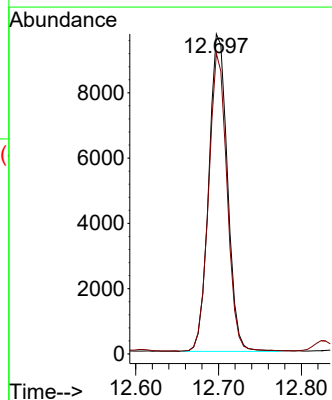
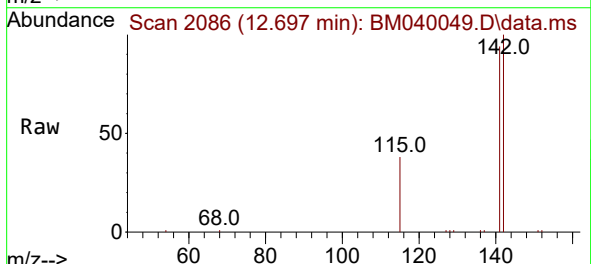
Instrument :
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ClientSampleId :
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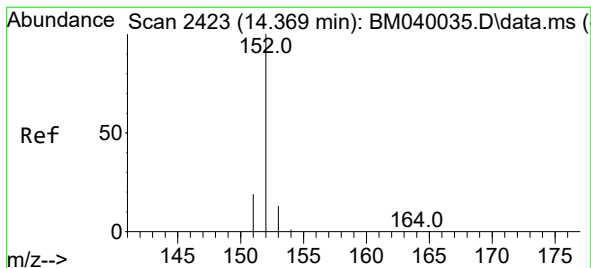
Tgt Ion:142 Resp: 15017
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.359 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.005 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

Tgt Ion:142 Resp: 15229
Ion Ratio Lower Upper
142 100
141 92.5 73.8 110.6





#10

Acenaphthylene

Concen: 0.361 ng/ul

RT: 14.369 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

Instrument :

BNA_M

ClientSampleId :

SLCS065

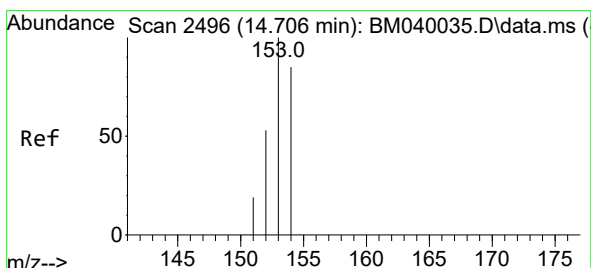
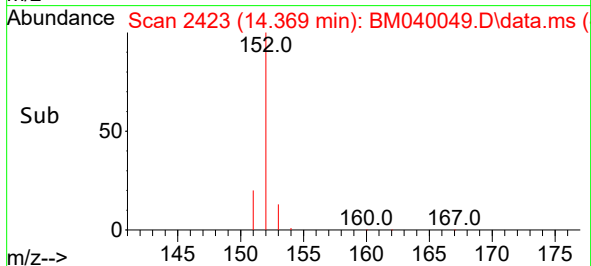
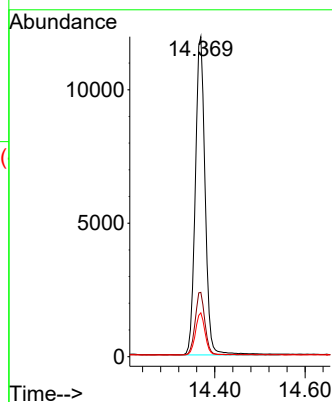
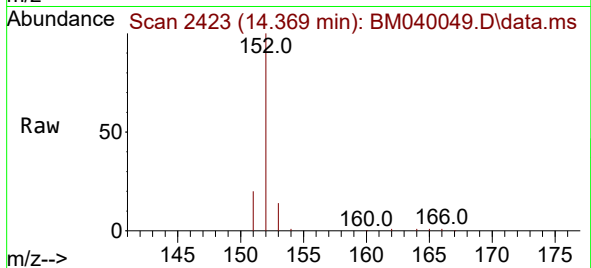
Tgt Ion:152 Resp: 18064

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.7 10.6 16.0



#11

Acenaphthene

Concen: 0.373 ng/ul

RT: 14.707 min Scan# 2496

Delta R.T. -0.005 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

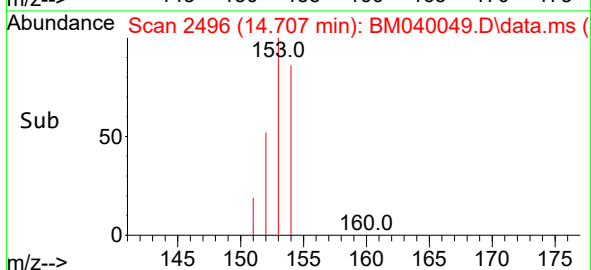
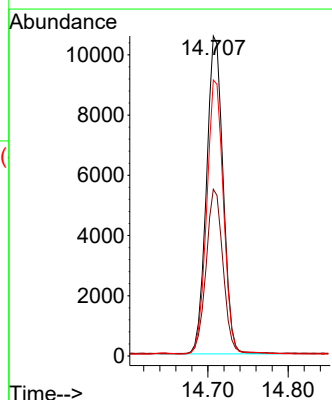
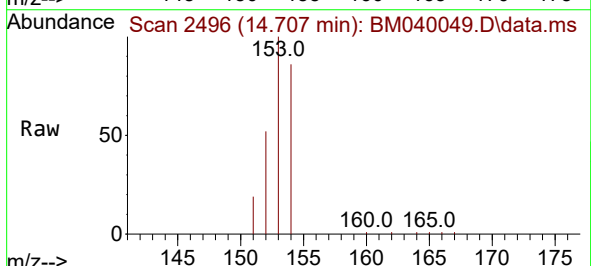
Tgt Ion:153 Resp: 15218

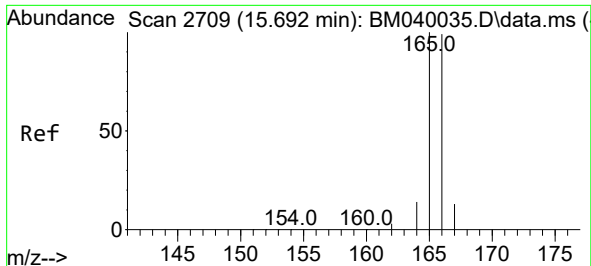
Ion Ratio Lower Upper

153 100

152 52.1 42.0 63.0

154 86.3 69.4 104.2

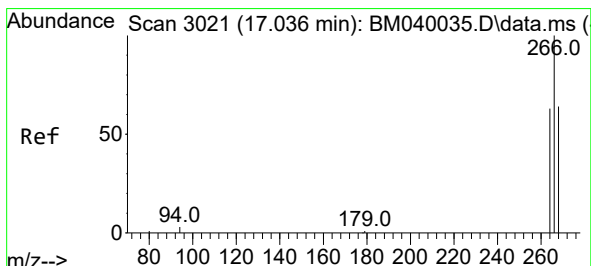
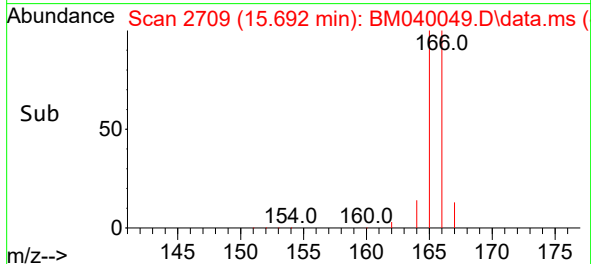
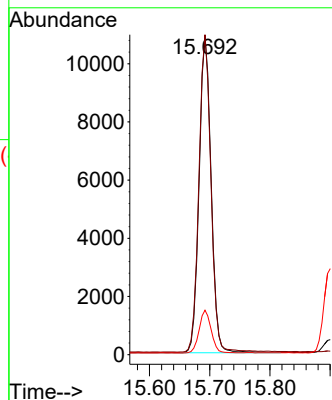
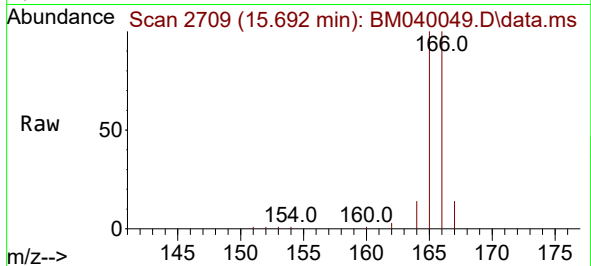




#12
 Fluorene
 Concen: 0.356 ng/ul
 RT: 15.692 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM040049.D
 Acq: 26 May 2023 22:40

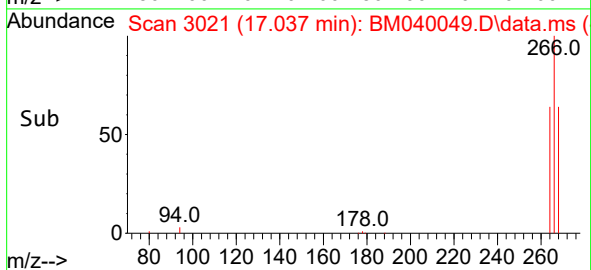
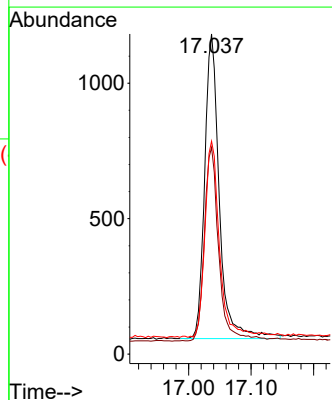
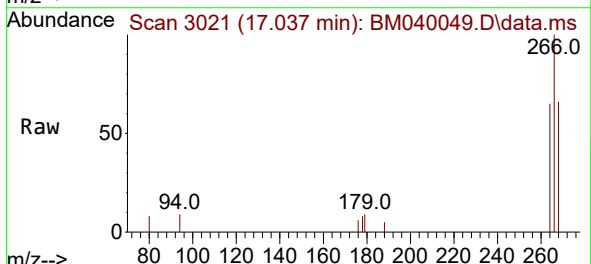
Instrument :
 BNA_M
 ClientSampleId :
 SLCS065

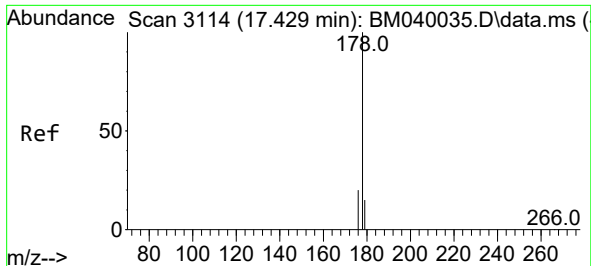
Tgt Ion:166 Resp: 15115
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.3 118.9
 167 13.9 10.8 16.2



#14
 Pentachlorophenol
 Concen: 0.434 ng/ul
 RT: 17.037 min Scan# 3021
 Delta R.T. -0.004 min
 Lab File: BM040049.D
 Acq: 26 May 2023 22:40

Tgt Ion:266 Resp: 1833
 Ion Ratio Lower Upper
 266 100
 264 62.1 49.2 73.8
 268 65.1 51.9 77.9

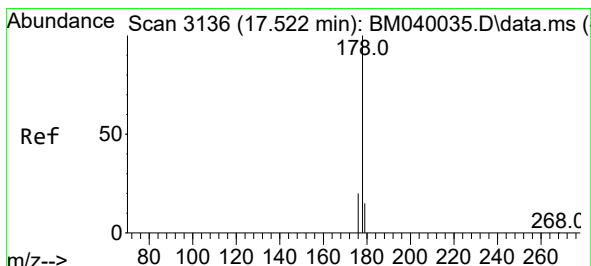
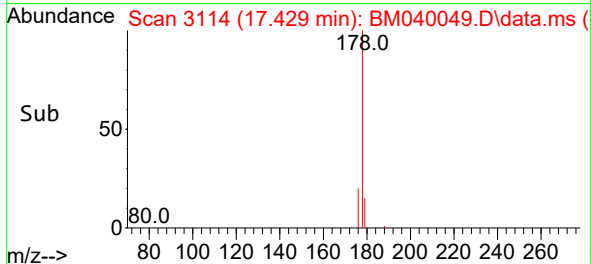
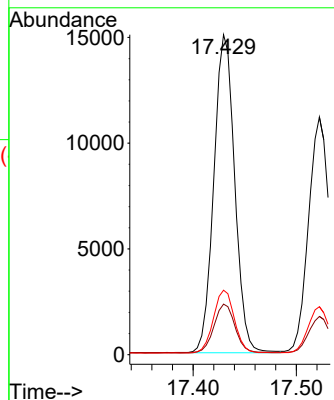
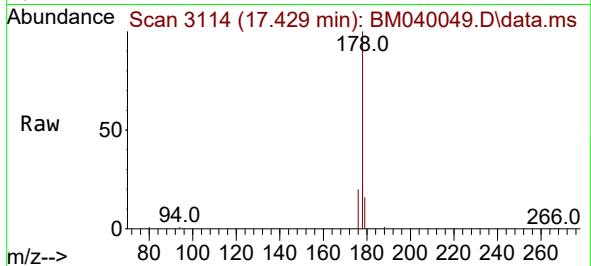




#15
Phenanthrene
Concen: 0.358 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. -0.004 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

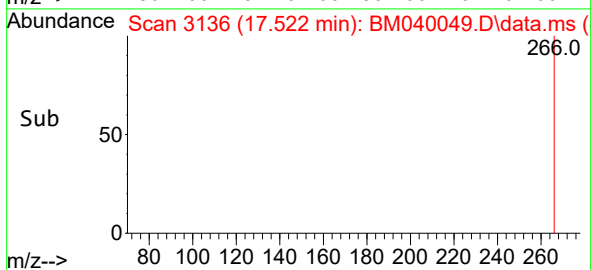
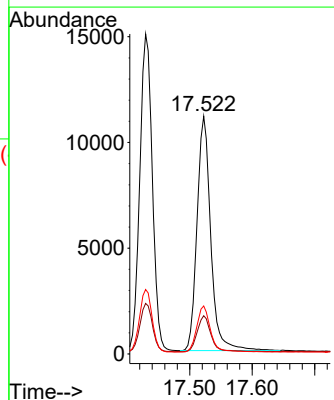
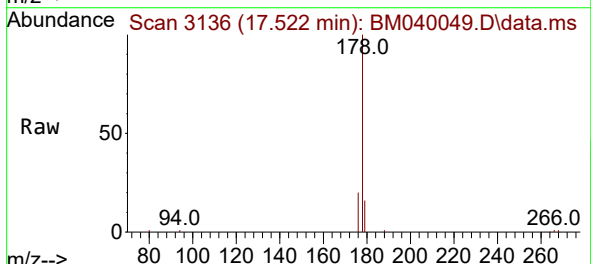
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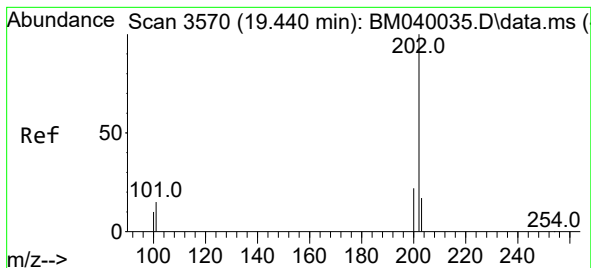
Tgt Ion:178	Resp:	21121
Ion Ratio	Lower	Upper
178	100	
179	15.8	12.4 18.6
176	20.2	16.3 24.5



#16
Anthracene
Concen: 0.341 ng/ul
RT: 17.522 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

Tgt Ion:178	Resp:	16915
Ion Ratio	Lower	Upper
178	100	
179	16.1	12.6 19.0
176	20.2	15.5 23.3





#19

Fluoranthene

Concen: 0.432 ng/ul

RT: 19.440 min Scan# 3570

Delta R.T. -0.005 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

Instrument :

BNA_M

ClientSampleId :

SLCS065

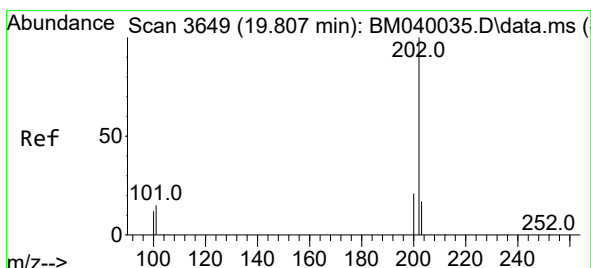
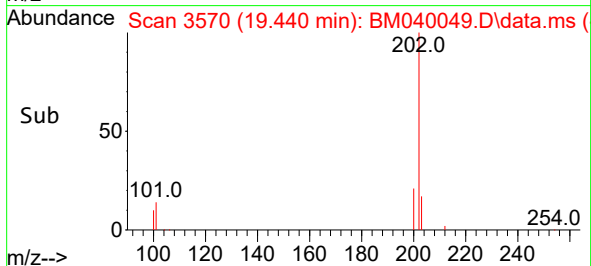
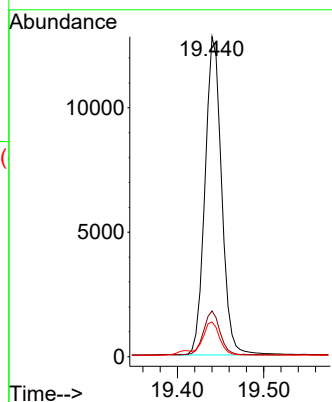
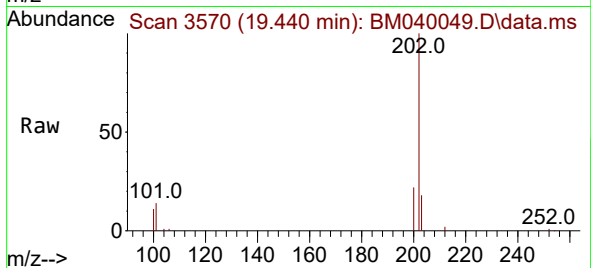
Tgt Ion:202 Resp: 17110

Ion Ratio Lower Upper

202 100

101 14.3 11.5 17.3

100 10.9 8.5 12.7



#20

Pyrene

Concen: 0.421 ng/ul

RT: 19.803 min Scan# 3648

Delta R.T. -0.005 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

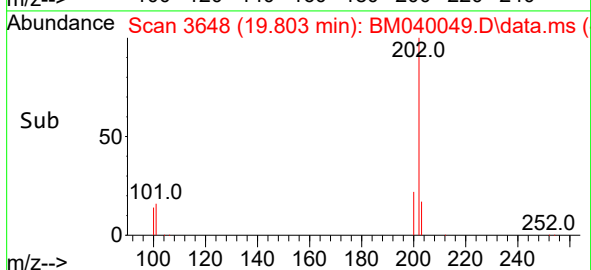
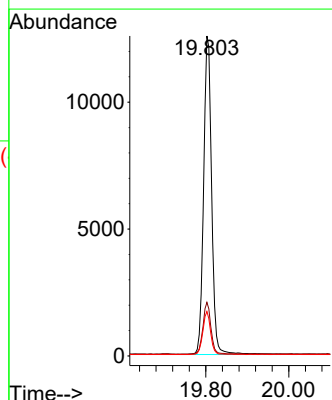
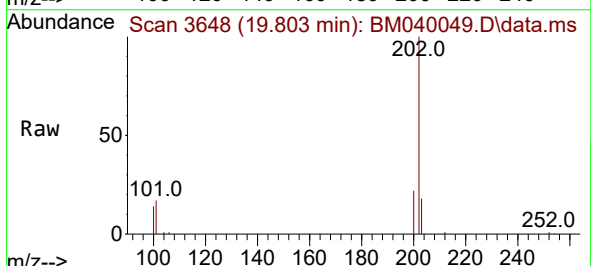
Tgt Ion:202 Resp: 16905

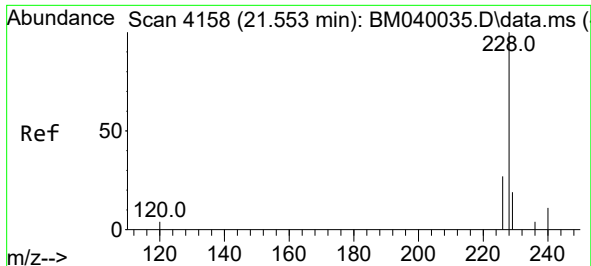
Ion Ratio Lower Upper

202 100

101 16.7 13.3 19.9

100 13.9 10.9 16.3

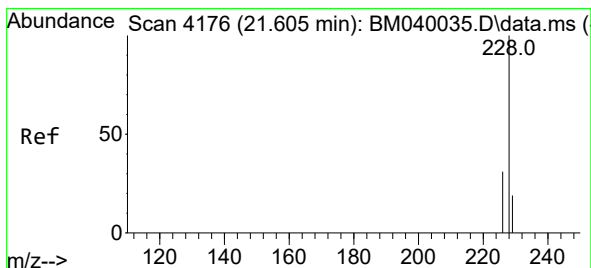
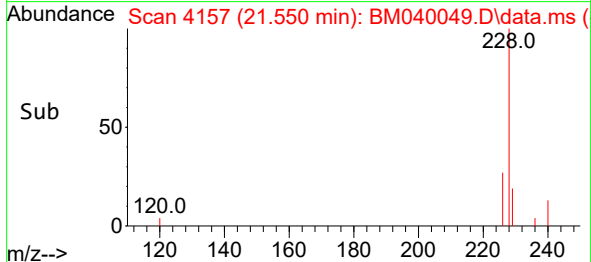
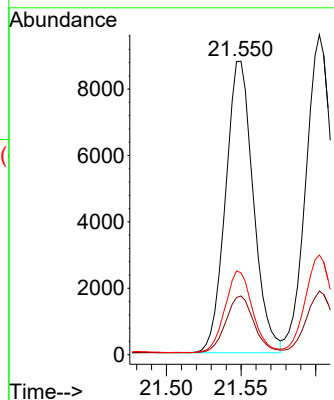
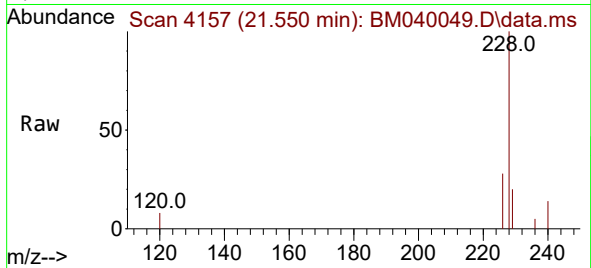




#21
Benzo(a)anthracene
Concen: 0.384 ng/ul
RT: 21.550 min Scan# 4158
Delta R.T. -0.006 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

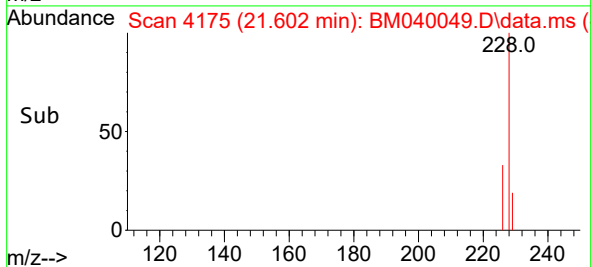
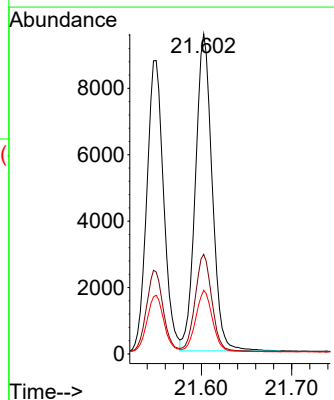
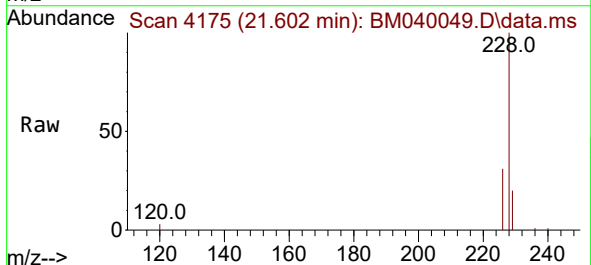
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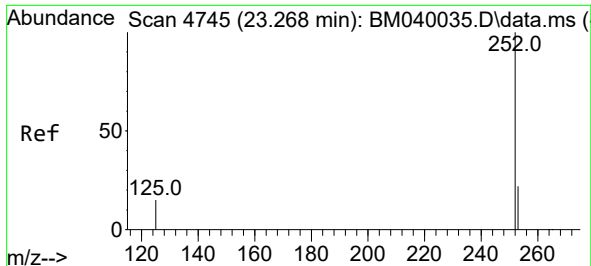
Tgt Ion:228 Resp: 11398
Ion Ratio Lower Upper
228 100
229 20.0 15.6 23.4
226 27.9 22.5 33.7



#22
Chrysene
Concen: 0.390 ng/ul
RT: 21.602 min Scan# 4175
Delta R.T. -0.009 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

Tgt Ion:228 Resp: 12298
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 19.9 15.6 23.4

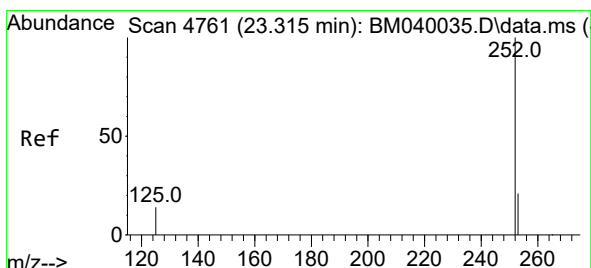
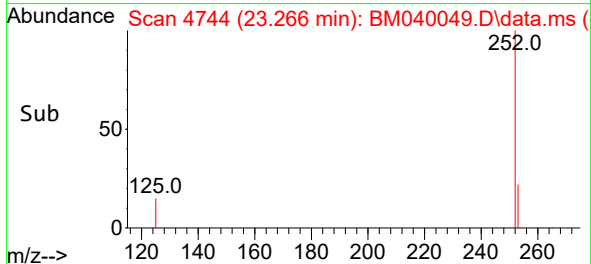
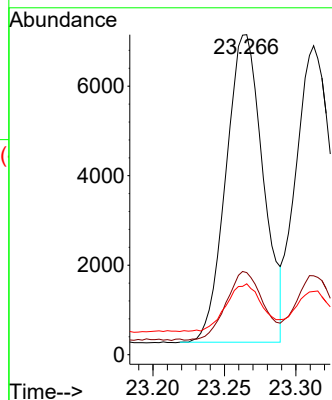
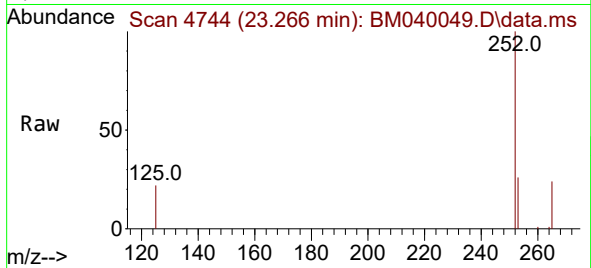




#24
Benzo(b)fluoranthene
Concen: 0.366 ng/ul
RT: 23.266 min Scan# 4745
Delta R.T. -0.009 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

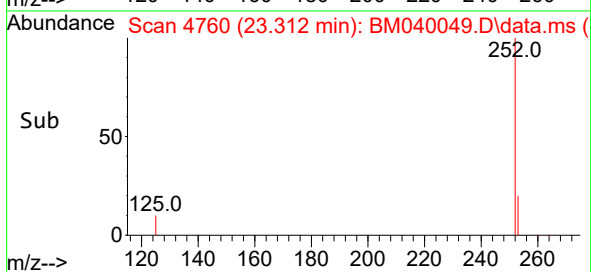
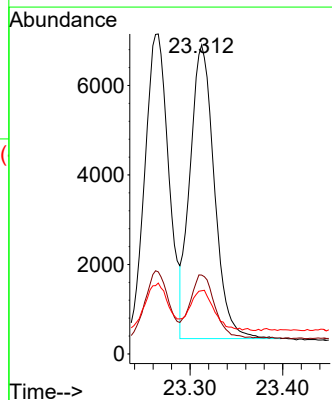
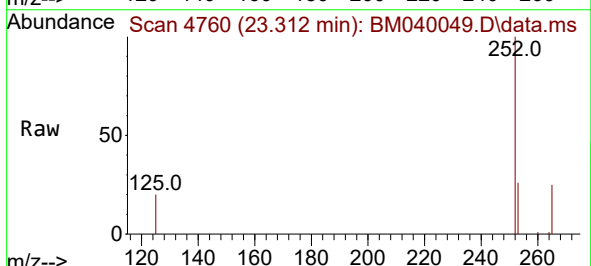
Instrument :
BNA_M
ClientSampleId :
SLCS065

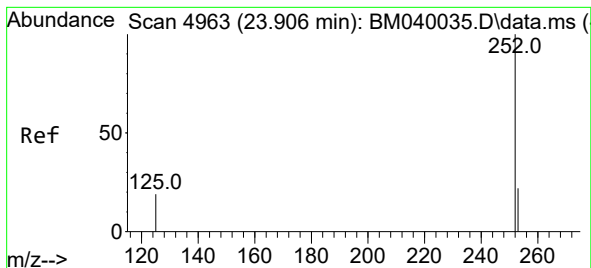
Tgt Ion:252 Resp: 12439
Ion Ratio Lower Upper
252 100
253 25.6 0.0 49.8
125 22.2 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.349 ng/ul
RT: 23.312 min Scan# 4760
Delta R.T. -0.012 min
Lab File: BM040049.D
Acq: 26 May 2023 22:40

Tgt Ion:252 Resp: 11946
Ion Ratio Lower Upper
252 100
253 25.5 19.7 29.5
125 20.5 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.371 ng/ul

RT: 23.903 min Scan# 4962

Delta R.T. -0.012 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

Instrument :

BNA_M

ClientSampleId :

SLCS065

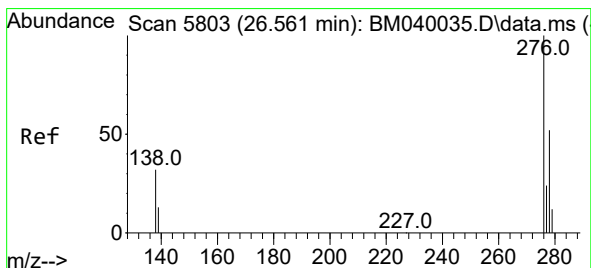
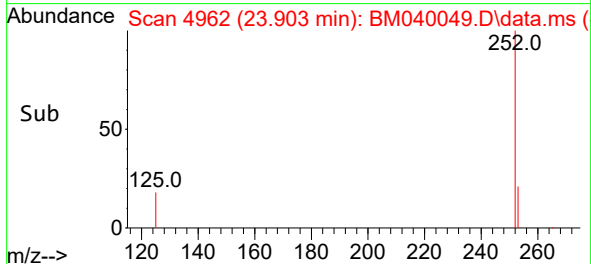
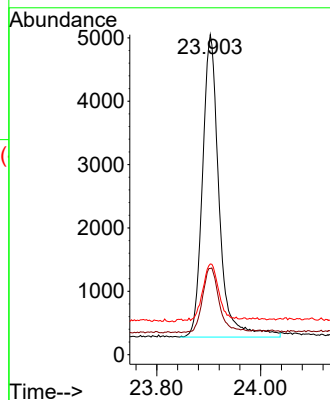
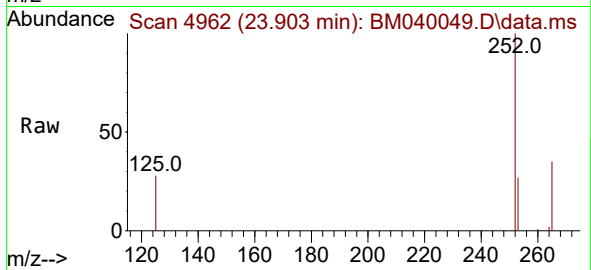
Tgt Ion:252 Resp: 10550

Ion Ratio Lower Upper

252 100

253 26.9 20.6 31.0

125 28.4 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.368 ng/ul

RT: 26.555 min Scan# 5801

Delta R.T. -0.017 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

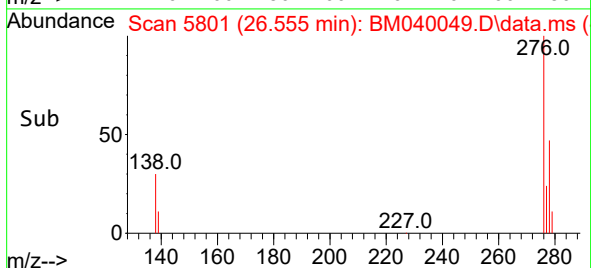
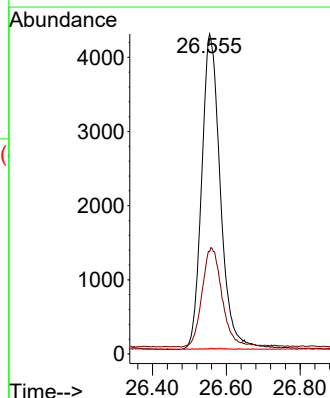
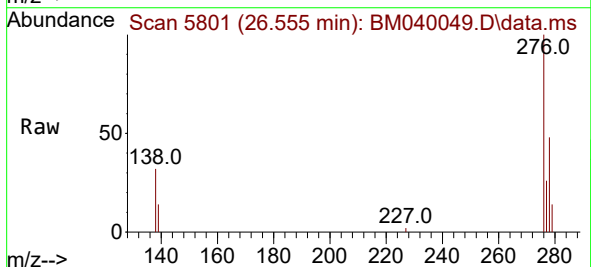
Tgt Ion:276 Resp: 15067

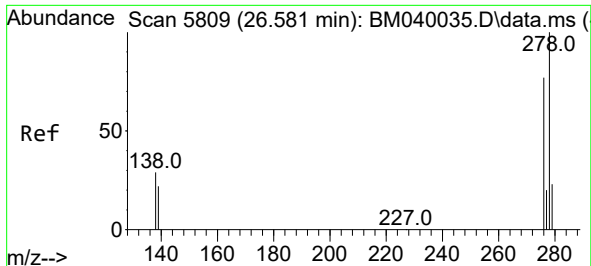
Ion Ratio Lower Upper

276 100

138 33.8 26.9 40.3

227 0.1 0.1 0.1#

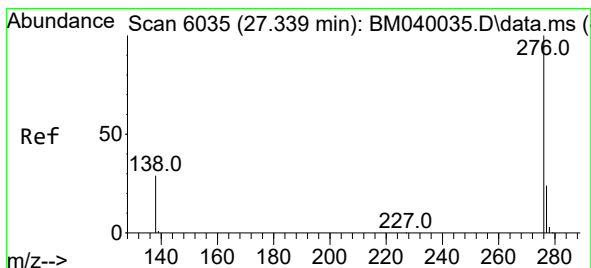
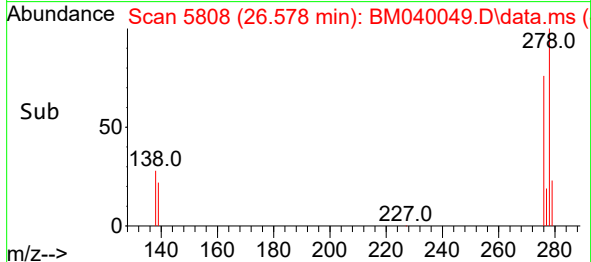
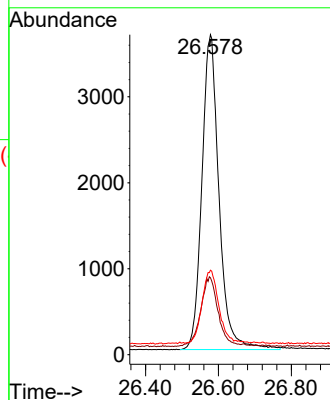
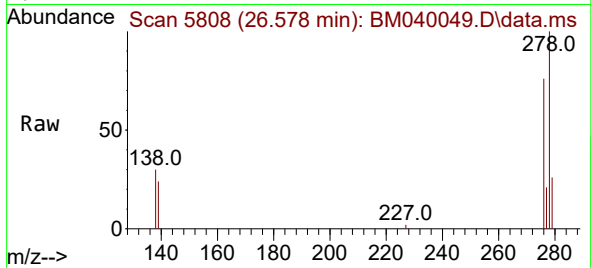




#28
 Dibenzo(a,h)anthracene
 Concen: 0.361 ng/ul
 RT: 26.578 min Scan# 5808
 Delta R.T. -0.017 min
 Lab File: BM040049.D
 Acq: 26 May 2023 22:40

Instrument :
 BNA_M
 ClientSampleId :
 SLCS065

Tgt Ion:278 Resp: 11947
 Ion Ratio Lower Upper
 278 100
 139 24.1 19.0 28.4
 279 26.4 20.6 31.0



#29
 Benzo(g,h,i)perylene
 Concen: 0.372 ng/ul
 RT: 27.339 min Scan# 6035
 Delta R.T. -0.017 min
 Lab File: BM040049.D
 Acq: 26 May 2023 22:40

Tgt Ion:276 Resp: 12477
 Ion Ratio Lower Upper
 276 100
 138 29.9 23.9 35.9
 277 24.7 19.5 29.3

