

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\
 Data File : BM040033.D
 Acq On : 26 May 2023 10:29
 Operator : CG/JU
 Sample : PB152974BS
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS974

Quant Time: May 26 11:31:38 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)

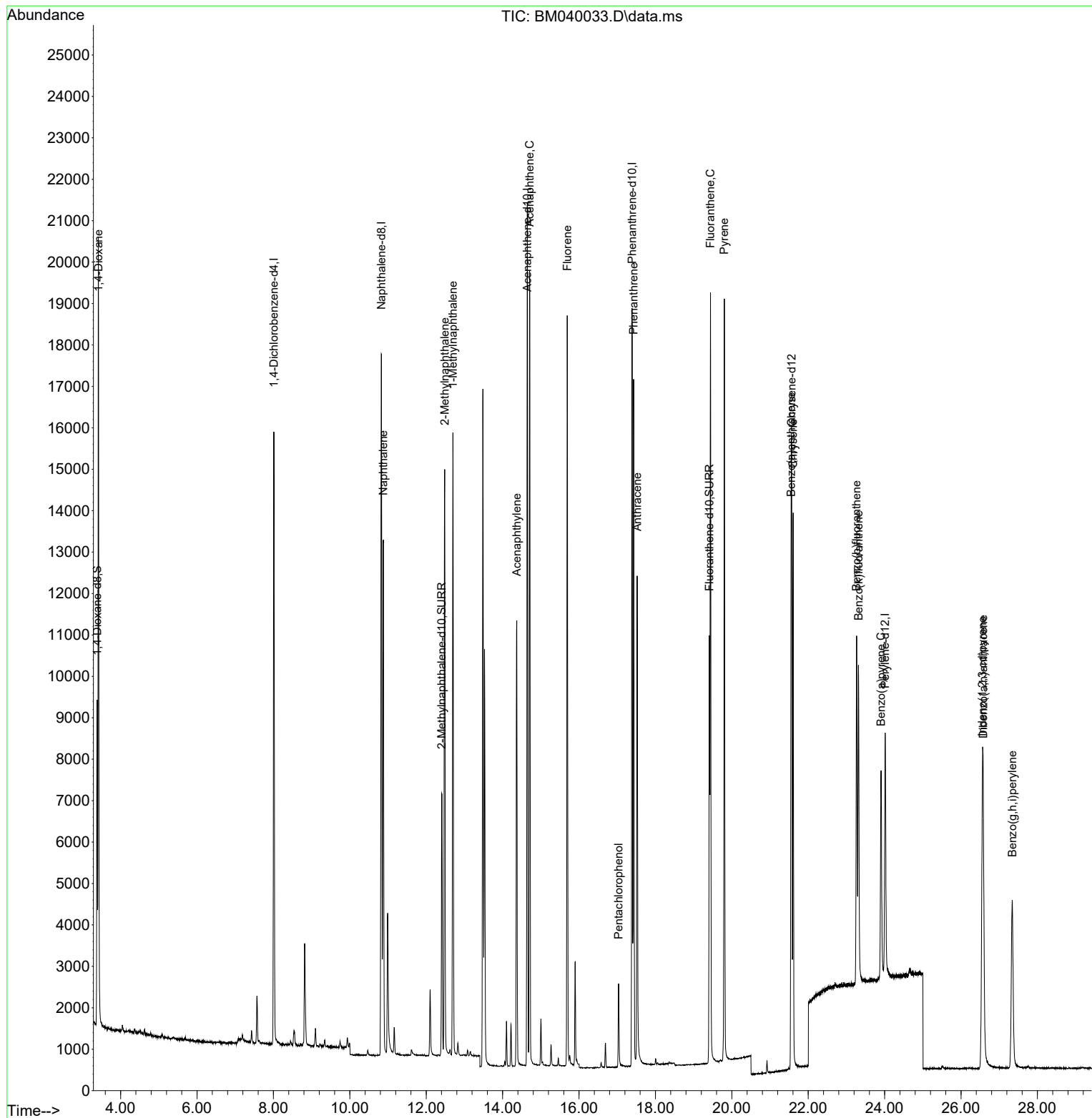
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.012	152	7517	0.400	ng/ul	0.00
4) Naphthalene-d8	10.828	136	23473	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	10867	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.387	188	20622	0.400	ng/ul	0.00
17) Chrysene-d12	21.567	240	10508	0.400	ng/ul	0.00
23) Perylene-d12	24.014	264	8629	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.384	96	5040	0.576	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.406	152	8401	0.293	ng/ul	0.00
18) Fluoranthene-d10	19.412	212	10392	0.328	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.418	88	12599	1.368	ng/ul	91
5) Naphthalene	10.877	128	17002	0.297	ng/ul	100
7) 2-Methylnaphthalene	12.483	142	10053	0.290	ng/ul	99
8) 1-Methylnaphthalene	12.697	142	10209	0.284	ng/ul	99
10) Acenaphthylene	14.369	152	12313	0.285	ng/ul	99
11) Acenaphthene	14.707	153	10584	0.300	ng/ul	99
12) Fluorene	15.692	166	10955	0.298	ng/ul	98
14) Pentachlorophenol	17.037	266	1409	0.337	ng/ul	99
15) Phenanthrene	17.429	178	16812	0.288	ng/ul	99
16) Anthracene	17.522	178	13244	0.270	ng/ul	99
19) Fluoranthene	19.440	202	15103	0.319	ng/ul	99
20) Pyrene	19.802	202	14917	0.311	ng/ul	99
21) Benzo(a)anthracene	21.550	228	10449	0.295	ng/ul	99
22) Chrysene	21.605	228	11932	0.317	ng/ul	99
24) Benzo(b)fluoranthene	23.266	252	11018	0.322	ng/ul	96
25) Benzo(k)fluoranthene	23.315	252	10608	0.307	ng/ul	95
26) Benzo(a)pyrene	23.906	252	8547	0.298	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.558	276	11058	0.268	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.581	278	8699	0.261	ng/ul	96
29) Benzo(g,h,i)perylene	27.343	276	9247	0.273	ng/ul	99

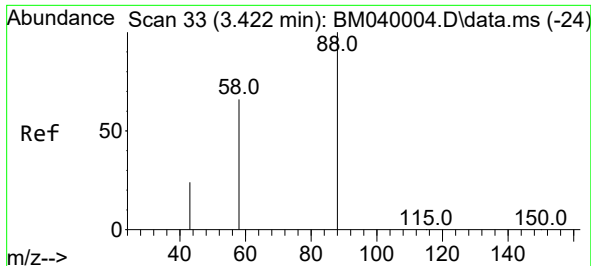
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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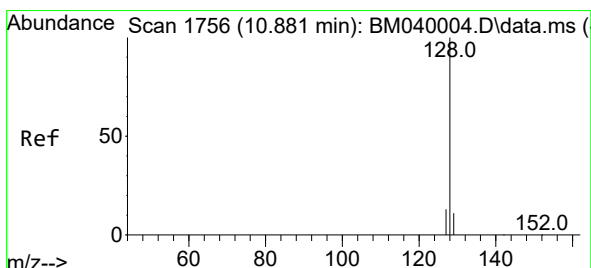
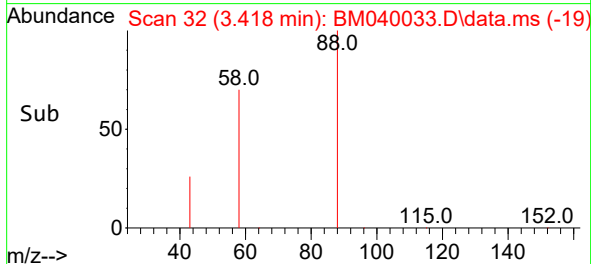
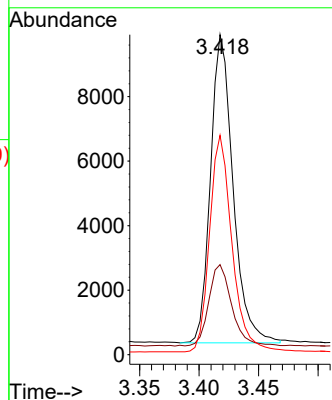
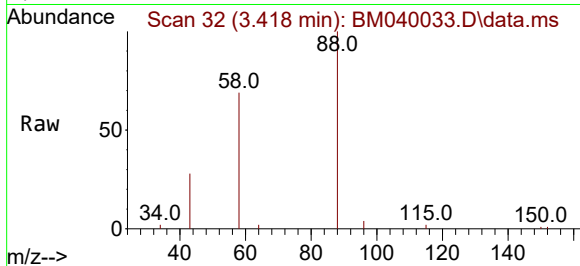




#2
1,4-Dioxane
Concen: 1.368 ng/ul
RT: 3.418 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

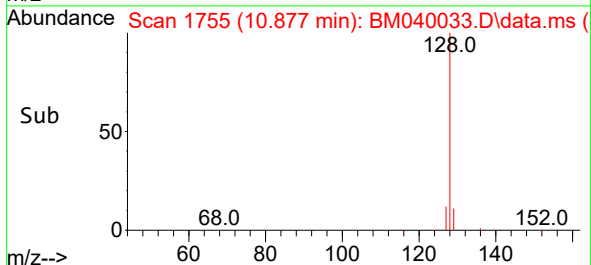
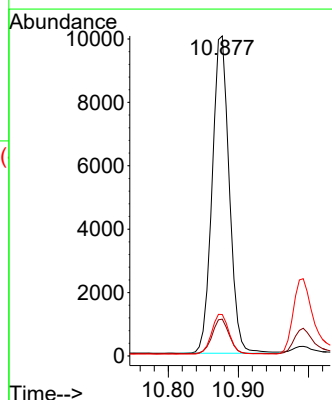
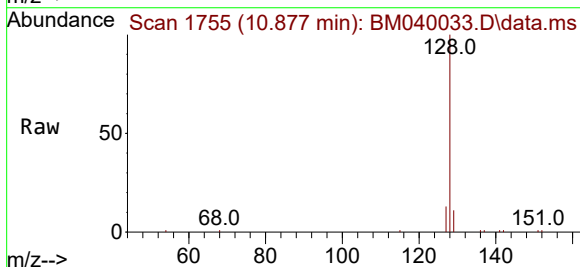
Instrument :
BNA_M
ClientSampleId :
SLCS974

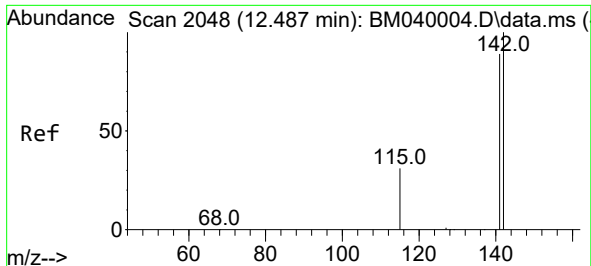
Tgt Ion: 88 Resp: 12599
Ion Ratio Lower Upper
88 100
43 28.2 25.9 38.9
58 68.6 48.5 72.7



#5
Naphthalene
Concen: 0.297 ng/ul
RT: 10.877 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion: 128 Resp: 17002
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.0 10.5 15.7

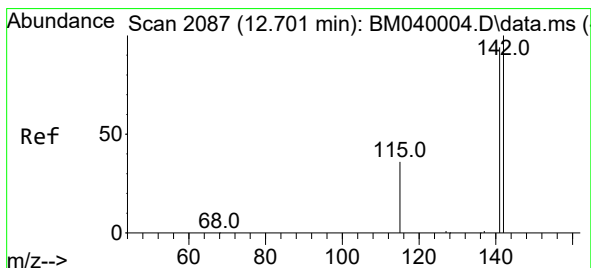
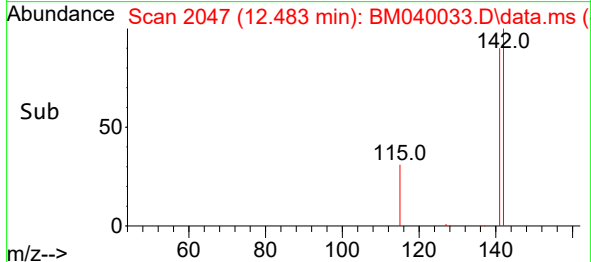
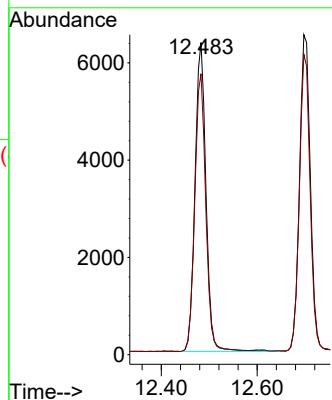
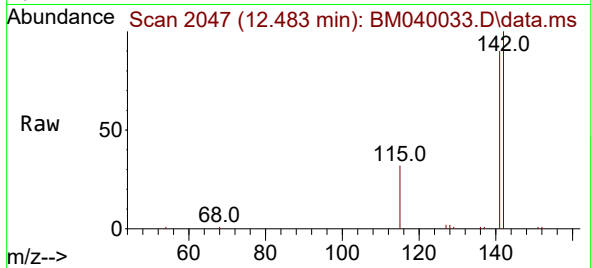




#7
2-Methylnaphthalene
Concen: 0.290 ng/ul
RT: 12.483 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

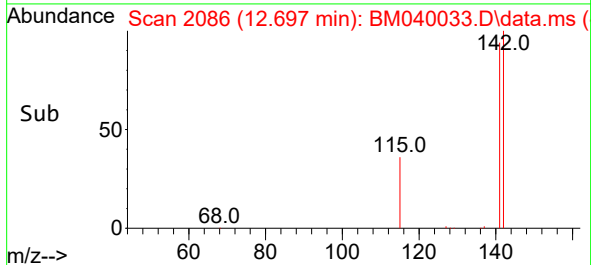
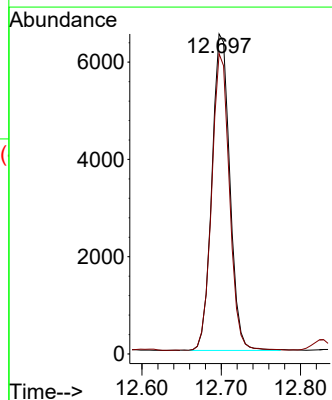
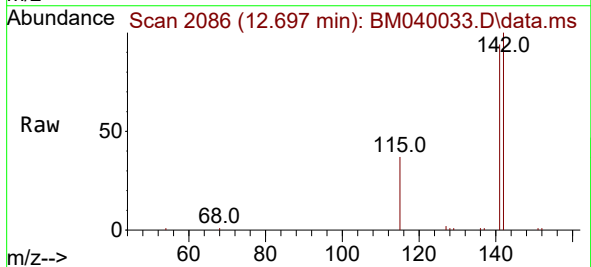
Instrument :
BNA_M
ClientSampleId :
SLCS974

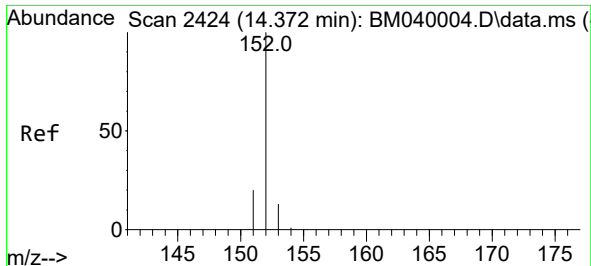
Tgt Ion:142 Resp: 10053
Ion Ratio Lower Upper
142 100
141 90.1 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.284 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:142 Resp: 10209
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.6

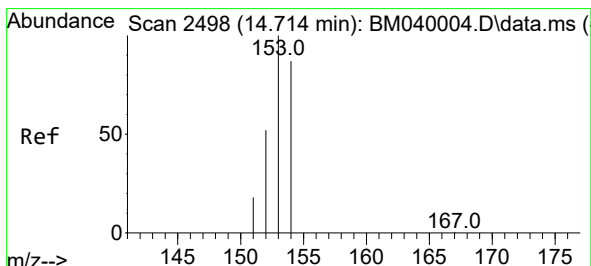
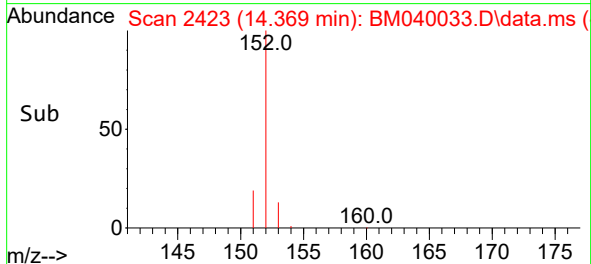
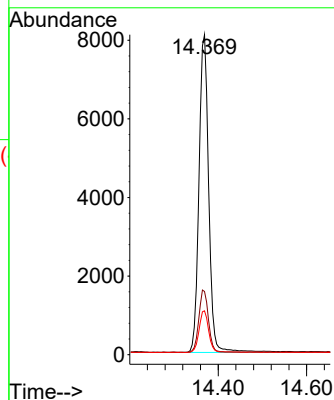
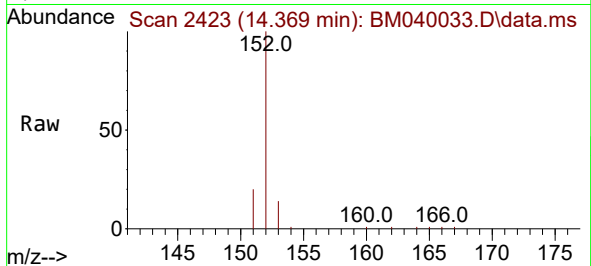




#10
Acenaphthylene
Concen: 0.285 ng/ul
RT: 14.369 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

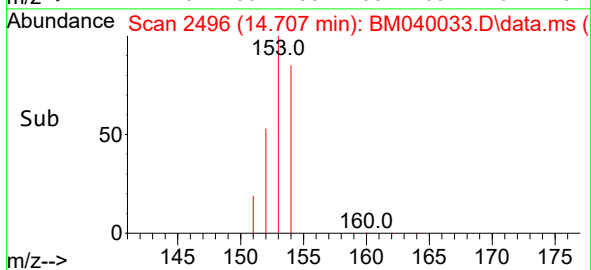
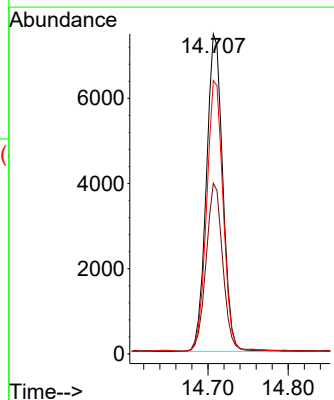
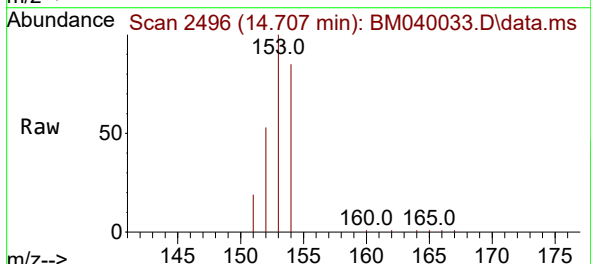
Instrument :
BNA_M
ClientSampleId :
SLCS974

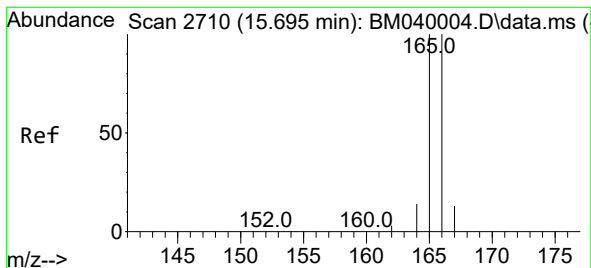
Tgt Ion:152	Resp:	12313
Ion Ratio	Lower	Upper
152	100	
151	19.8	16.2 24.4
153	13.7	10.6 16.0



#11
Acenaphthene
Concen: 0.300 ng/ul
RT: 14.707 min Scan# 2496
Delta R.T. -0.005 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:153	Resp:	10584
Ion Ratio	Lower	Upper
153	100	
152	53.4	42.0 63.0
154	85.5	69.4 104.2





#12

Fluorene

Concen: 0.298 ng/ul

RT: 15.692 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM040033.D

Acq: 26 May 2023 10:29

Instrument :

BNA_M

ClientSampleId :

SLCS974

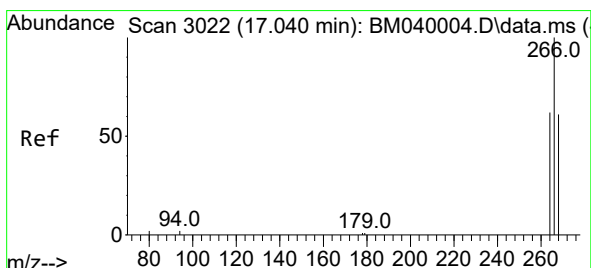
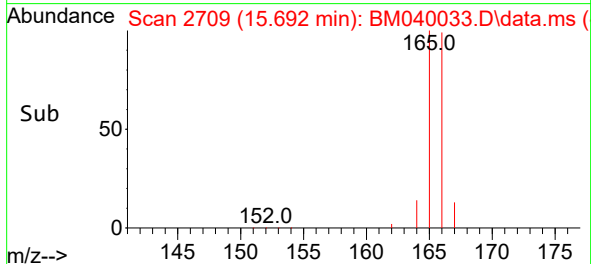
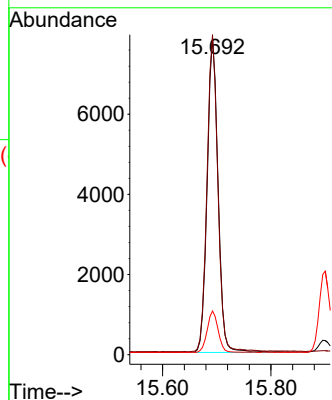
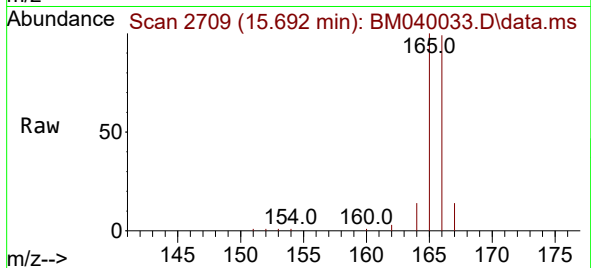
Tgt Ion:166 Resp: 10955

Ion Ratio Lower Upper

166 100

165 101.0 79.3 118.9

167 13.8 10.8 16.2



#14

Pentachlorophenol

Concen: 0.337 ng/ul

RT: 17.037 min Scan# 3021

Delta R.T. -0.004 min

Lab File: BM040033.D

Acq: 26 May 2023 10:29

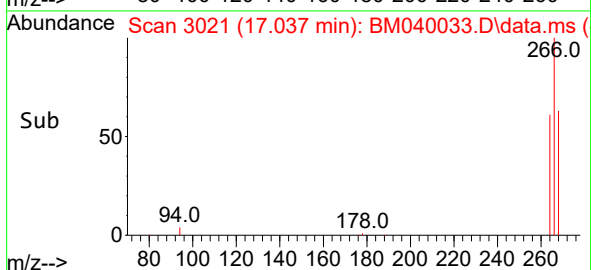
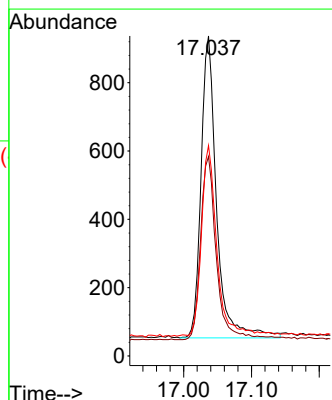
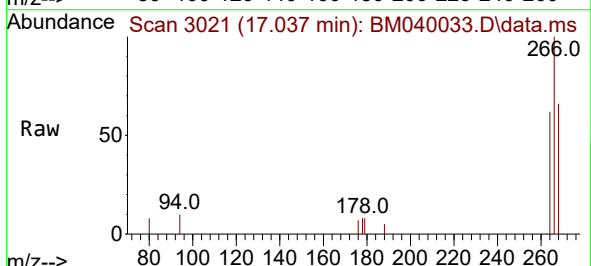
Tgt Ion:266 Resp: 1409

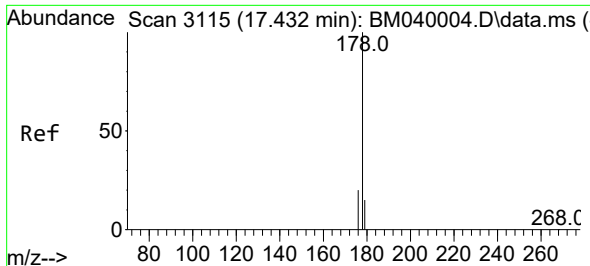
Ion Ratio Lower Upper

266 100

264 61.7 49.2 73.8

268 63.6 51.9 77.9

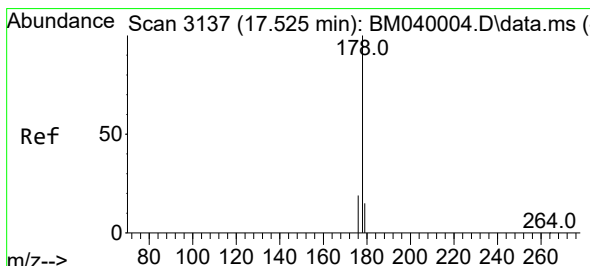
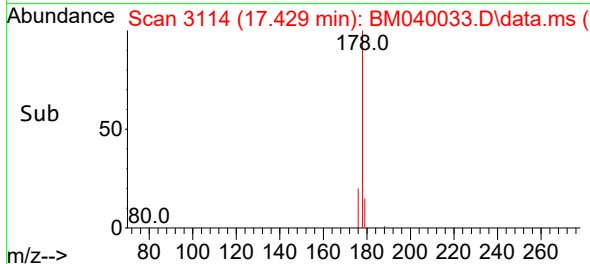
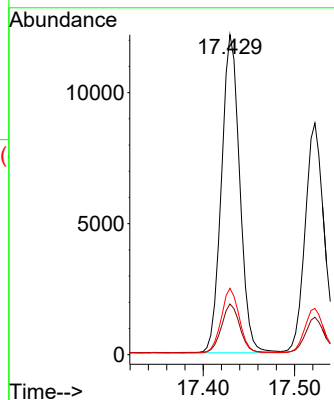
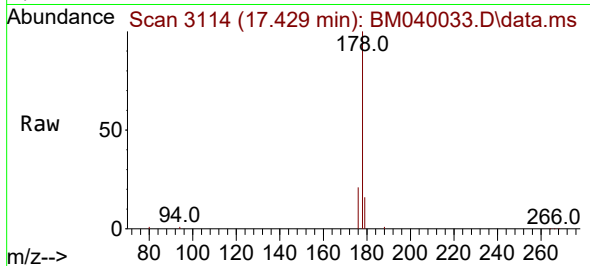




#15
Phenanthrene
Concen: 0.288 ng/ul
RT: 17.429 min Scan# 3114
Delta R.T. -0.004 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

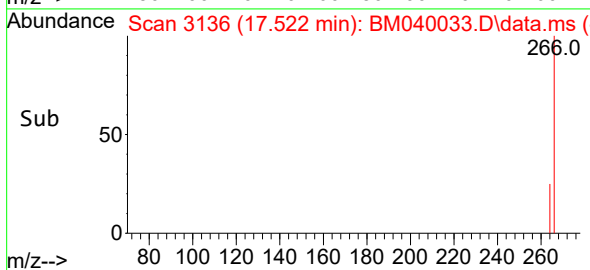
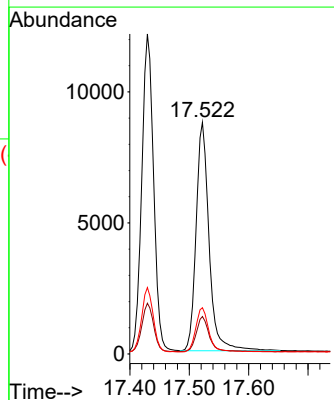
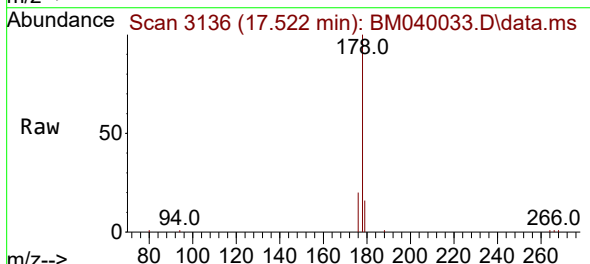
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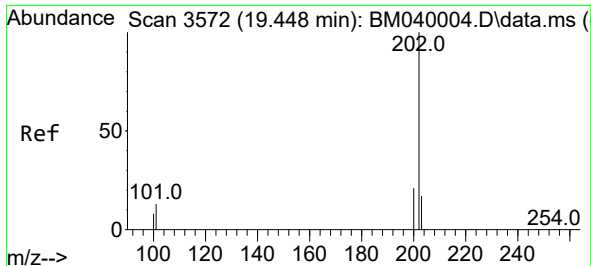
Tgt Ion:178 Resp: 16812
Ion Ratio Lower Upper
178 100
179 15.9 12.4 18.6
176 20.7 16.3 24.5



#16
Anthracene
Concen: 0.270 ng/ul
RT: 17.522 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:178 Resp: 13244
Ion Ratio Lower Upper
178 100
179 16.1 12.6 19.0
176 20.0 15.5 23.3

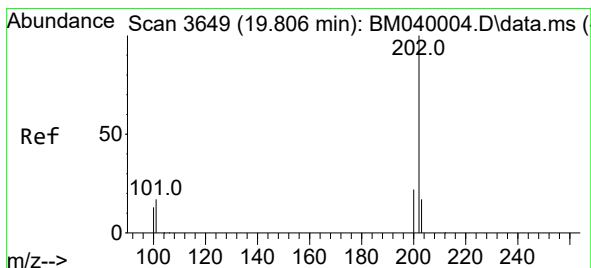
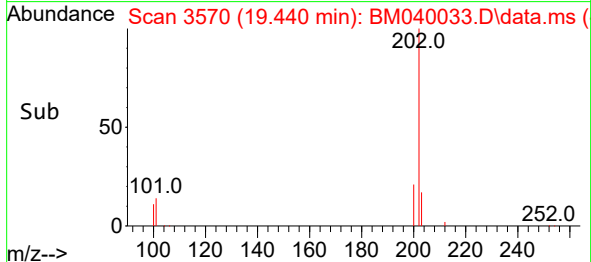
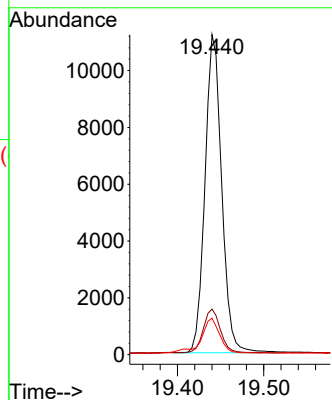
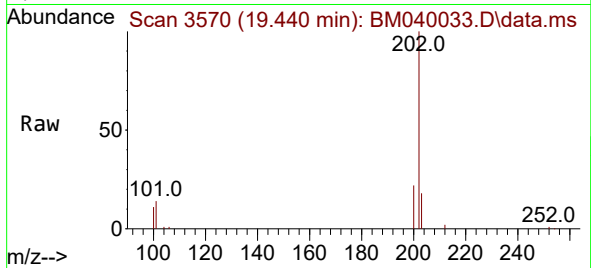




#19
Fluoranthene
Concen: 0.319 ng/ul
RT: 19.440 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

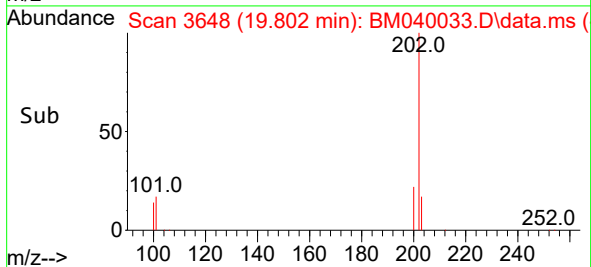
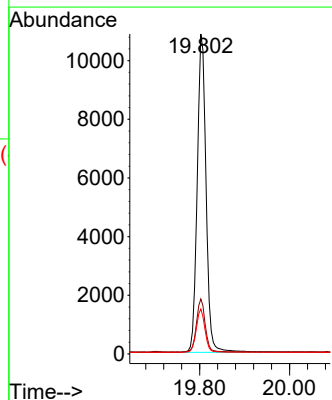
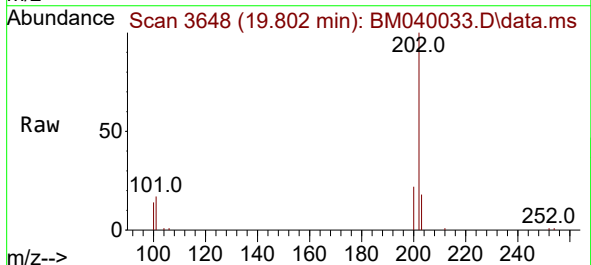
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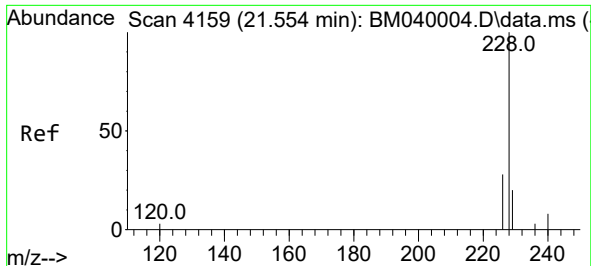
Tgt Ion:202 Resp: 15103
Ion Ratio Lower Upper
202 100
101 14.2 11.5 17.3
100 11.4 8.5 12.7



#20
Pyrene
Concen: 0.311 ng/ul
RT: 19.802 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:202 Resp: 14917
Ion Ratio Lower Upper
202 100
101 17.2 13.3 19.9
100 14.1 10.9 16.3

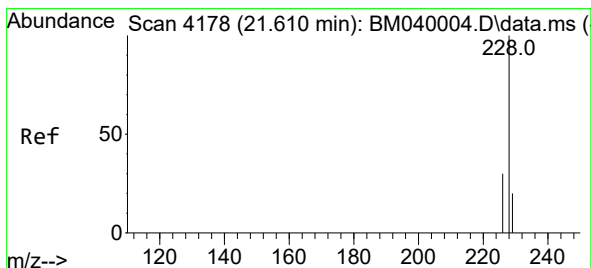
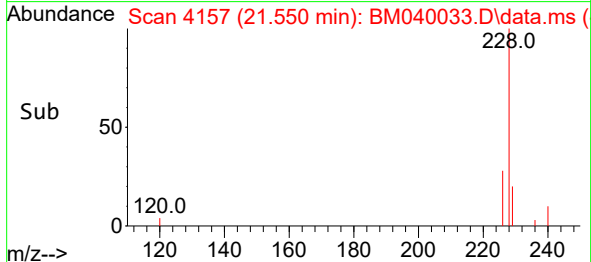
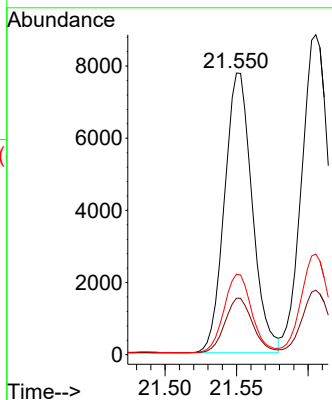
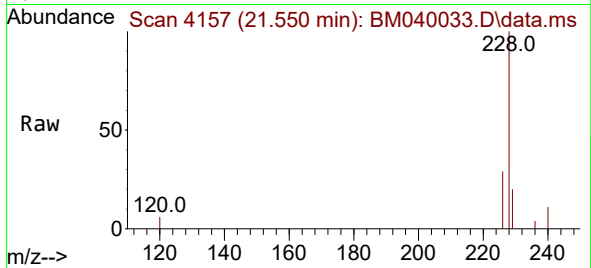




#21
Benzo(a)anthracene
Concen: 0.295 ng/ul
RT: 21.550 min Scan# 4159
Delta R.T. -0.006 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

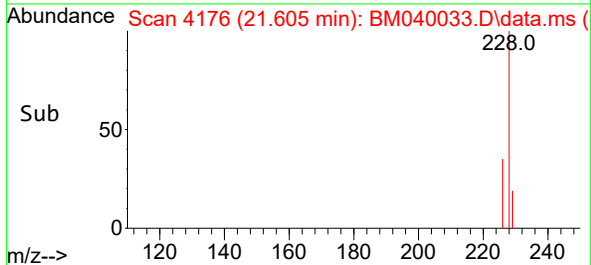
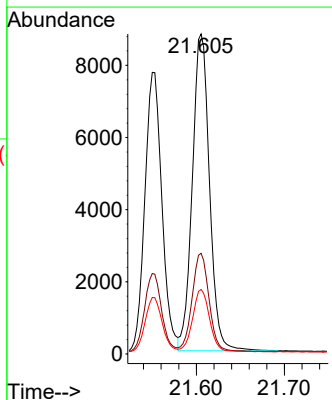
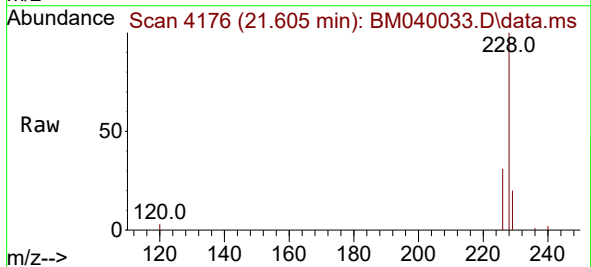
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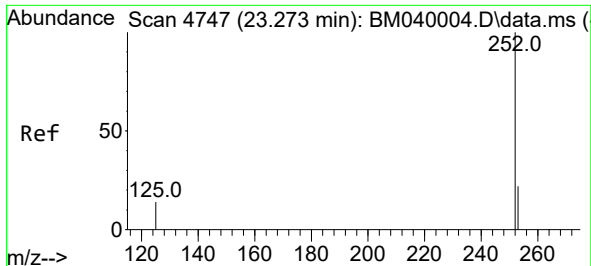
Tgt Ion:228 Resp: 10449
Ion Ratio Lower Upper
228 100
229 20.1 15.6 23.4
226 28.6 22.5 33.7



#22
Chrysene
Concen: 0.317 ng/ul
RT: 21.605 min Scan# 4176
Delta R.T. -0.006 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:228 Resp: 11932
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 20.1 15.6 23.4

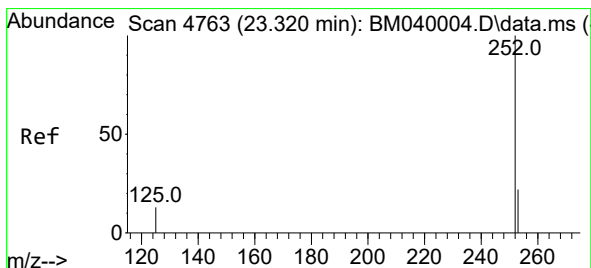
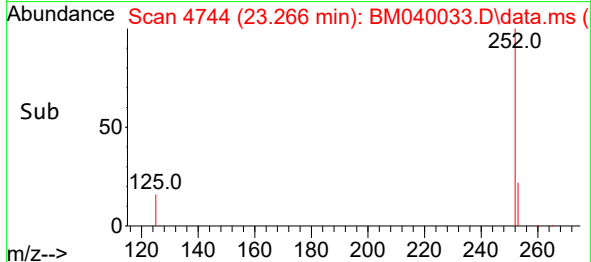
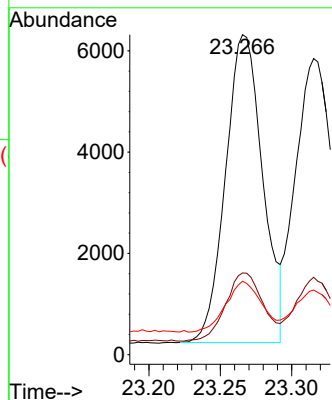
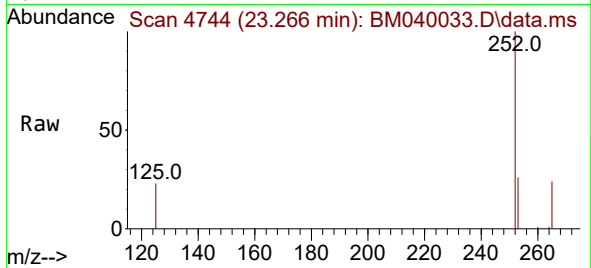




#24
Benzo(b)fluoranthene
Concen: 0.322 ng/ul
RT: 23.266 min Scan# 4744
Delta R.T. -0.009 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

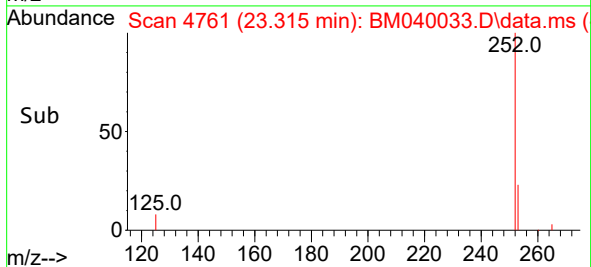
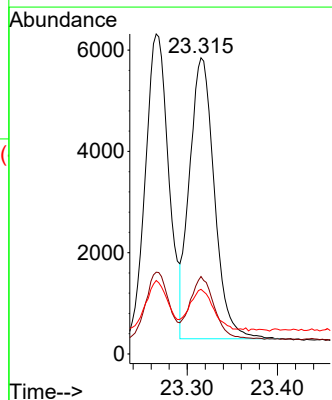
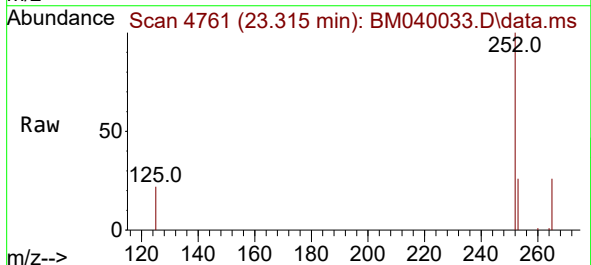
Instrument :
BNA_M
ClientSampleId :
SLCS974

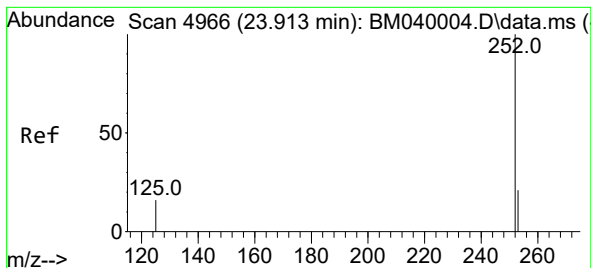
Tgt Ion:252 Resp: 11018
Ion Ratio Lower Upper
252 100
253 25.5 0.0 49.8
125 22.9 0.0 39.2



#25
Benzo(k)fluoranthene
Concen: 0.307 ng/ul
RT: 23.315 min Scan# 4761
Delta R.T. -0.009 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:252 Resp: 10608
Ion Ratio Lower Upper
252 100
253 26.2 19.7 29.5
125 21.8 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.298 ng/ul

RT: 23.906 min Scan# 4963

Delta R.T. -0.009 min

Lab File: BM040033.D

Acq: 26 May 2023 10:29

Instrument :

BNA_M

ClientSampleId :

SLCS974

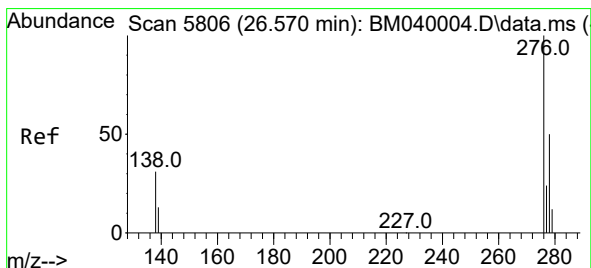
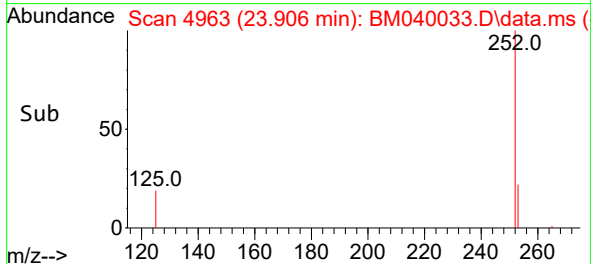
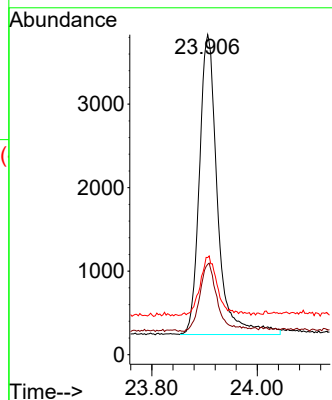
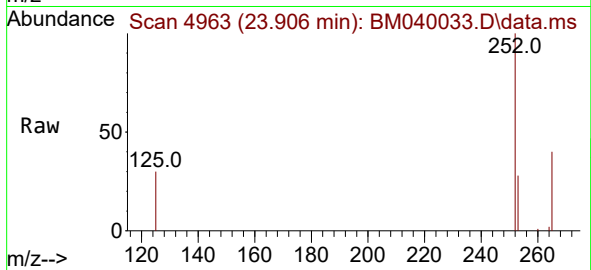
Tgt Ion:252 Resp: 8547

Ion Ratio Lower Upper

252 100

253 28.2 20.6 31.0

125 30.3 19.1 28.7#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.268 ng/ul

RT: 26.558 min Scan# 5802

Delta R.T. -0.013 min

Lab File: BM040033.D

Acq: 26 May 2023 10:29

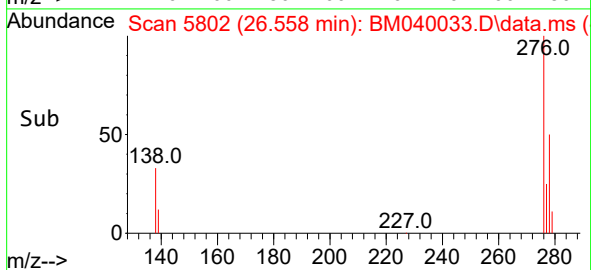
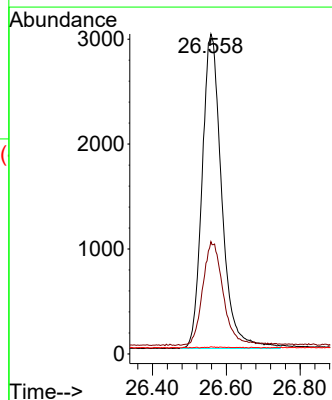
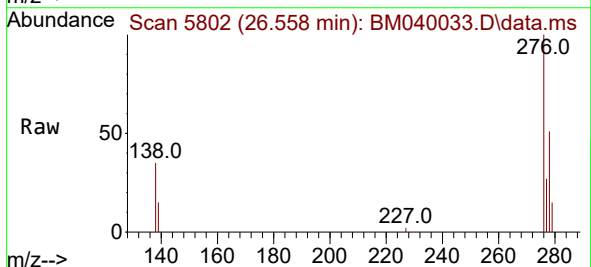
Tgt Ion:276 Resp: 11058

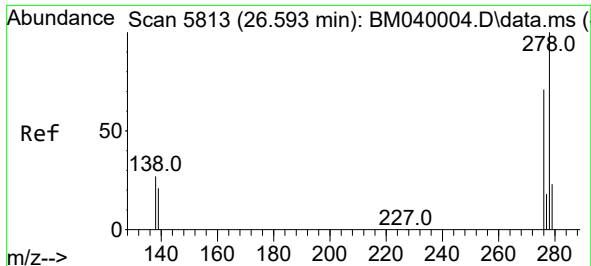
Ion Ratio Lower Upper

276 100

138 34.4 26.9 40.3

227 0.1 0.1 0.1#

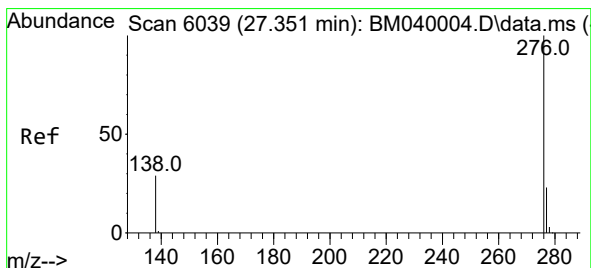
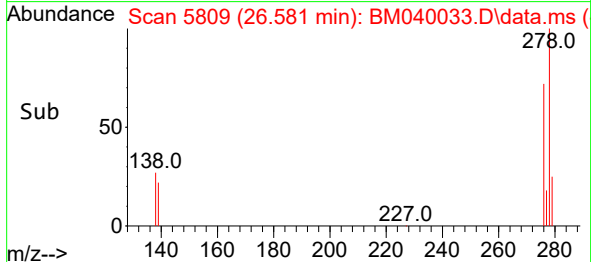
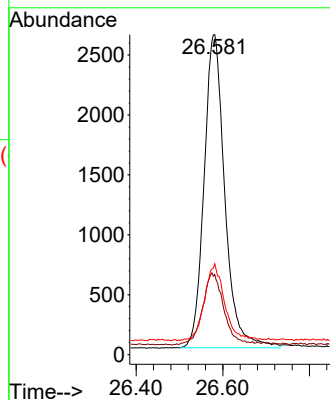
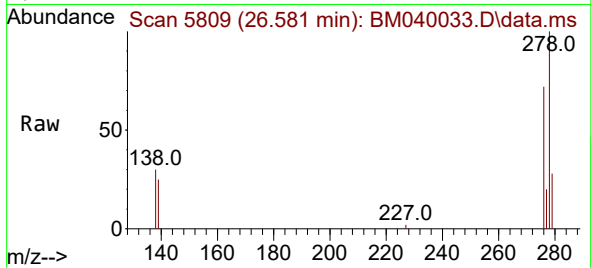




#28
Dibenzo(a,h)anthracene
Concen: 0.261 ng/ul
RT: 26.581 min Scan# 5809
Delta R.T. -0.013 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Instrument :
BNA_M
ClientSampleId :
SLCS974

Tgt Ion:278 Resp: 8699
Ion Ratio Lower Upper
278 100
139 25.1 19.0 28.4
279 28.4 20.6 31.0



#29
Benzo(g,h,i)perylene
Concen: 0.273 ng/ul
RT: 27.343 min Scan# 6036
Delta R.T. -0.013 min
Lab File: BM040033.D
Acq: 26 May 2023 10:29

Tgt Ion:276 Resp: 9247
Ion Ratio Lower Upper
276 100
138 30.0 23.9 35.9
277 25.1 19.5 29.3

