

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
 Data File : BM040263.D
 Acq On : 15 Jun 2023 17:25
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4119

Quant Time: Jun 15 23:43:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 00:31:16 2023
 Response via : Initial Calibration

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

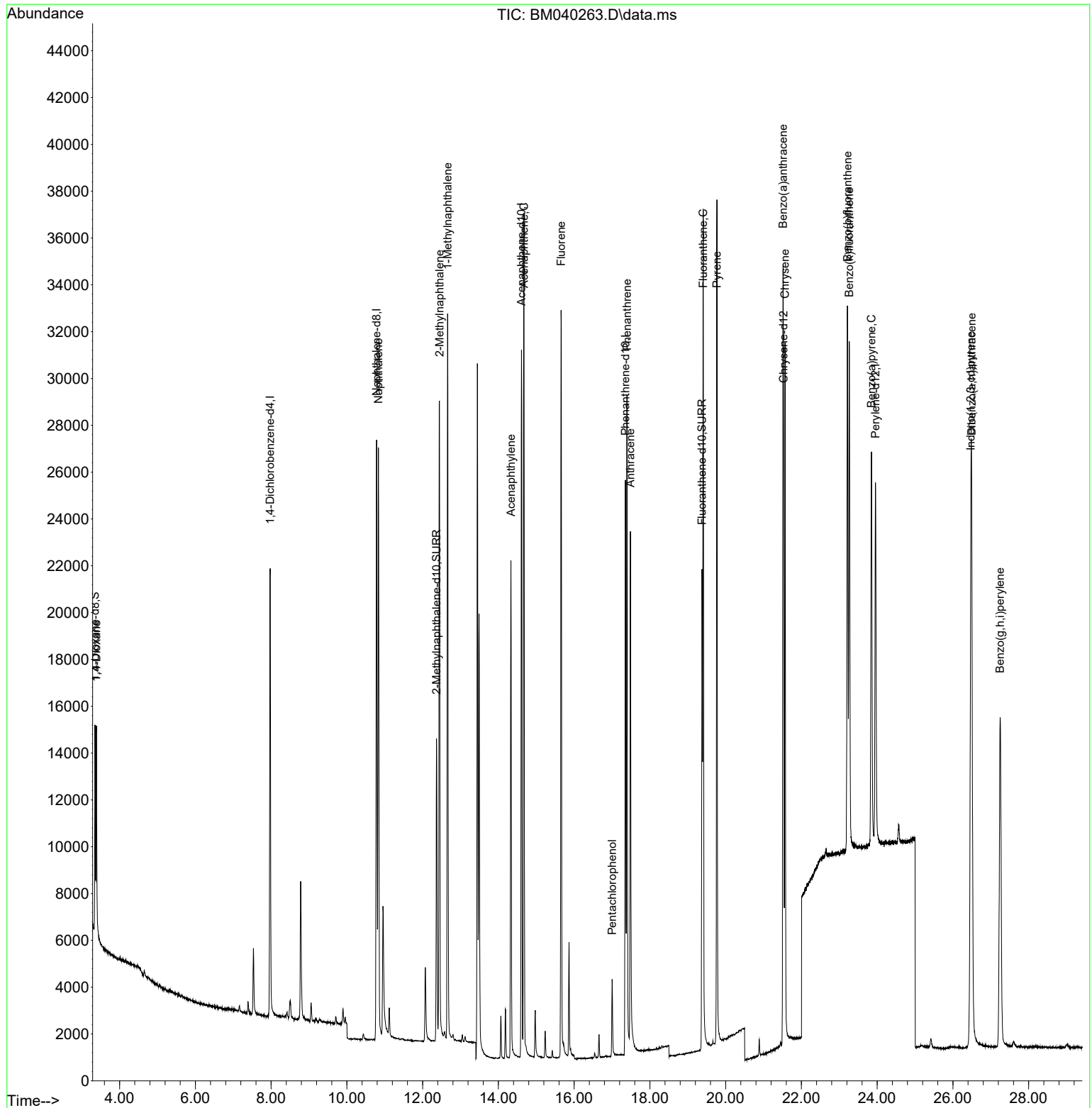
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	10392	0.400	ng/ul	0.00
4) Naphthalene-d8	10.784	136	35943	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.610	164	16491	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.353	188	28833	0.400	ng/ul	0.00
17) Chrysene-d12	21.529	240	19311	0.400	ng/ul	0.00
23) Perylene-d12	23.956	264	21671	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	5319	0.414	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.367	152	17512	0.384	ng/ul	0.00
18) Fluoranthene-d10	19.375	212	22774	0.473	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.388	88	5567	0.413	ng/ul#	79
5) Naphthalene	10.833	128	34147	0.401	ng/ul	100
7) 2-Methylnaphthalene	12.444	142	20425	0.386	ng/ul	100
8) 1-Methylnaphthalene	12.659	142	21109	0.381	ng/ul	99
10) Acenaphthylene	14.332	152	25077	0.435	ng/ul	99
11) Acenaphthene	14.674	153	20713	0.419	ng/ul	100
12) Fluorene	15.655	166	21299	0.387	ng/ul	97
14) Pentachlorophenol	17.003	266	2406	0.409	ng/ul	100
15) Phenanthrene	17.396	178	30718	0.405	ng/ul	99
16) Anthracene	17.484	178	26412	0.411	ng/ul	99
19) Fluoranthene	19.407	202	30228	0.460	ng/ul	99
20) Pyrene	19.770	202	31109	0.455	ng/ul	100
21) Benzo(a)anthracene	21.515	228	25420	0.446	ng/ul	100
22) Chrysene	21.567	228	26261	0.436	ng/ul	99
24) Benzo(b)fluoranthene	23.216	252	29698	0.372	ng/ul	95
25) Benzo(k)fluoranthene	23.263	252	29333	0.390	ng/ul	96
26) Benzo(a)pyrene	23.850	252	26020	0.397	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.474	276	36352	0.438	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.494	278	29061	0.436	ng/ul	98
29) Benzo(g,h,i)perylene	27.245	276	30984	0.447	ng/ul	97

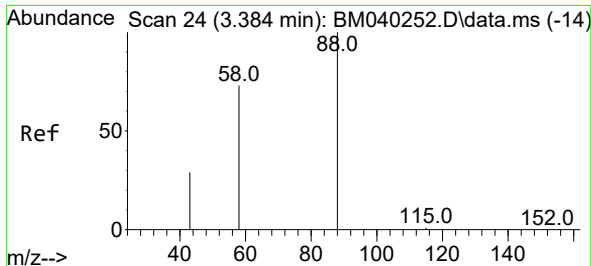
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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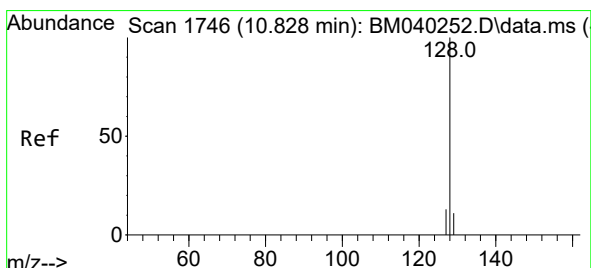
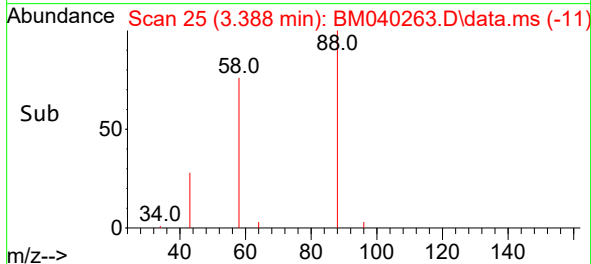
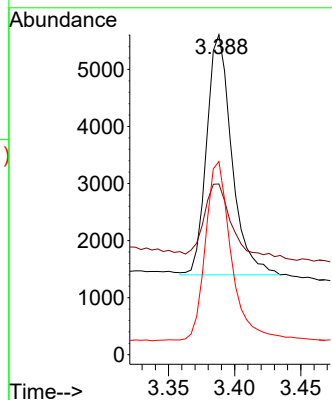
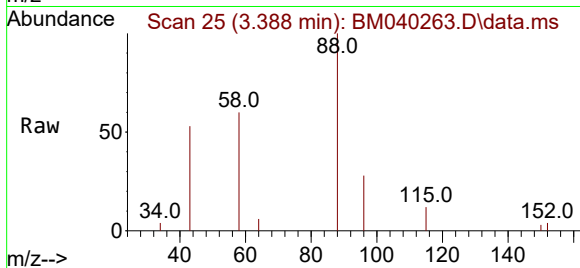




#2
1,4-Dioxane
Concen: 0.413 ng/ul
RT: 3.388 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

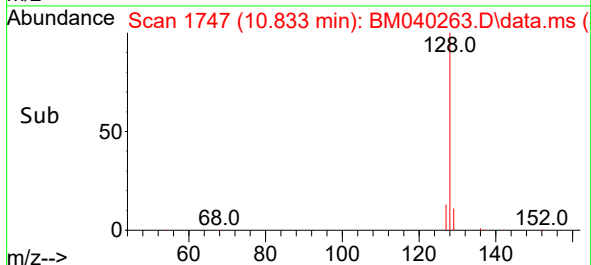
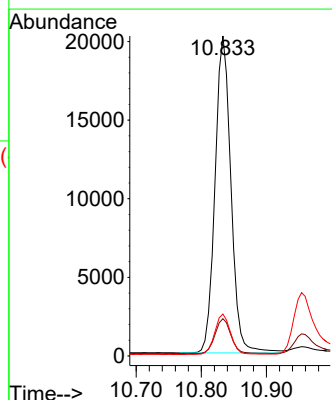
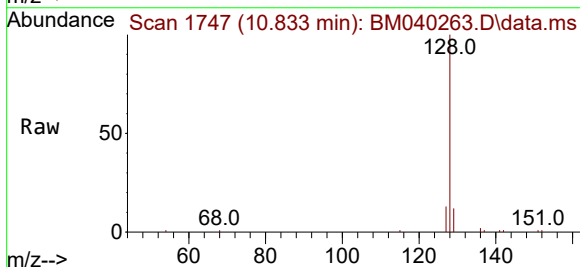
Instrument :
BNA_M
ClientSampleId :
SSTD0.4119

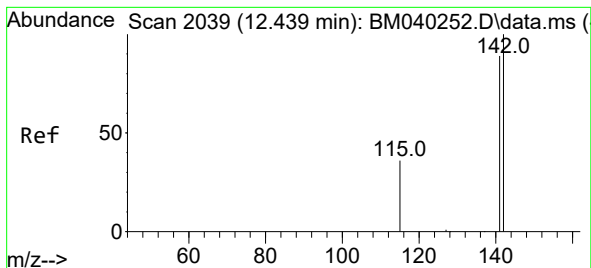
Tgt Ion: 88 Resp: 5567
Ion Ratio Lower Upper
88 100
43 53.4 30.3 45.5#
58 60.3 38.8 58.2#



#5
Naphthalene
Concen: 0.401 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion: 128 Resp: 34147
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.1 10.4 15.6

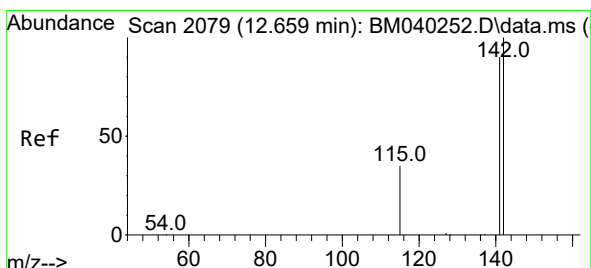
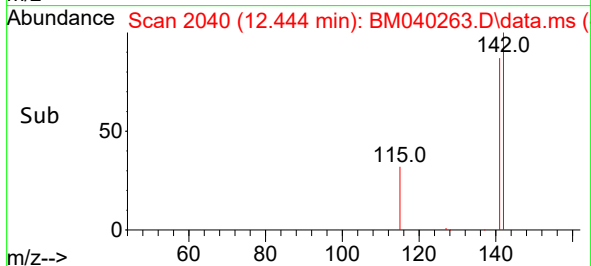
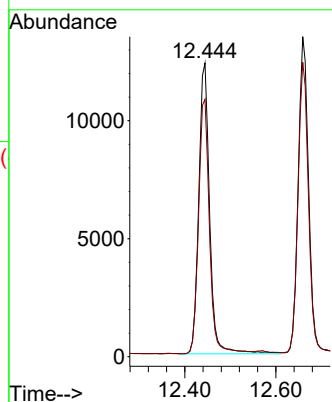
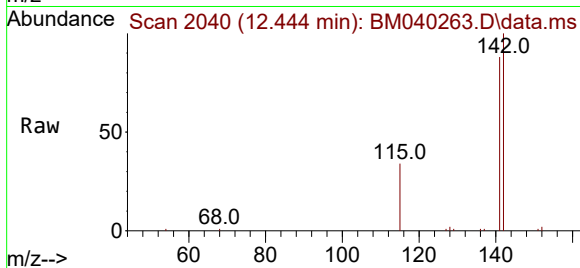




#7
2-Methylnaphthalene
Concen: 0.386 ng/ul
RT: 12.444 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

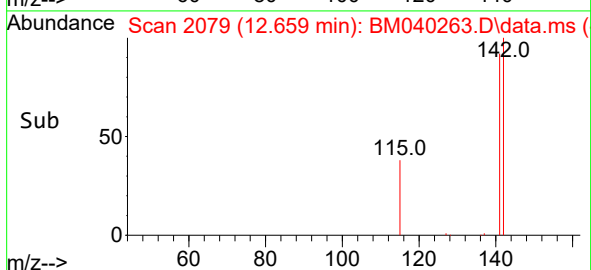
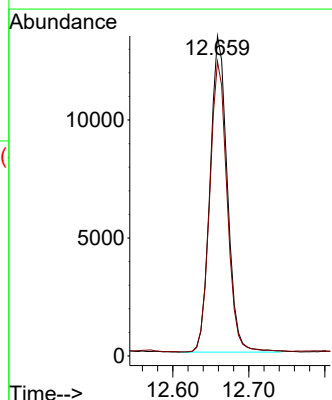
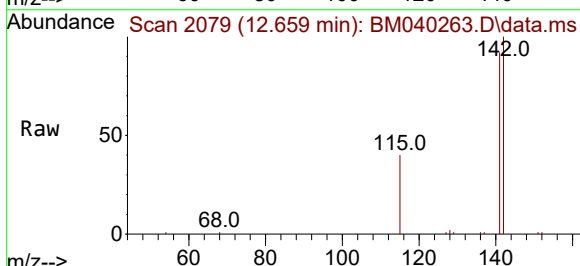
Instrument :
BNA_M
ClientSampleId :
SSTD0.4119

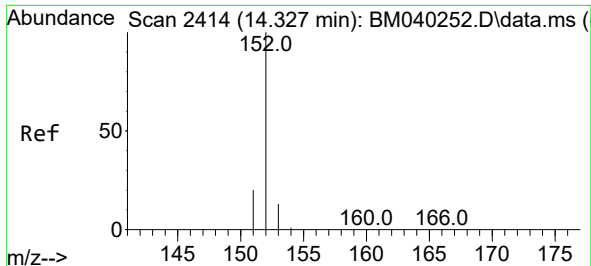
Tgt Ion:142 Resp: 20425
Ion Ratio Lower Upper
142 100
141 88.0 70.6 106.0



#8
1-Methylnaphthalene
Concen: 0.381 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion:142 Resp: 21109
Ion Ratio Lower Upper
142 100
141 92.5 73.0 109.4

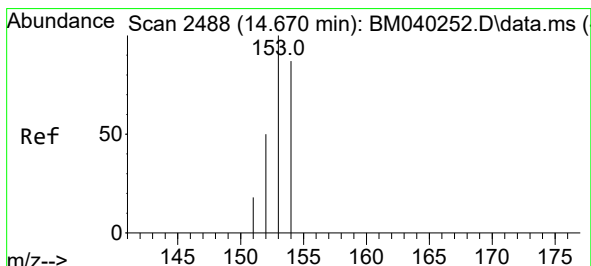
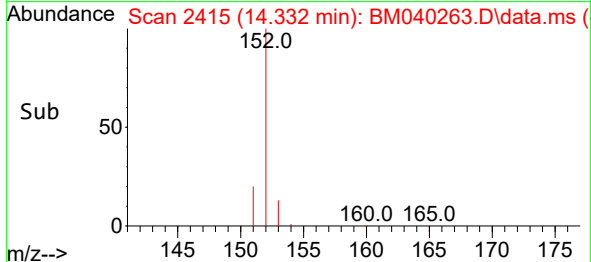
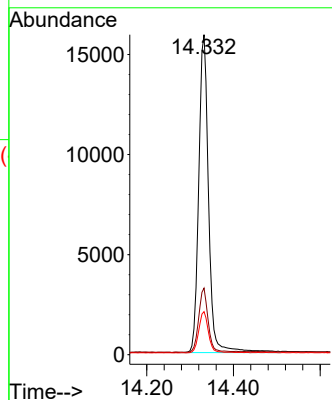
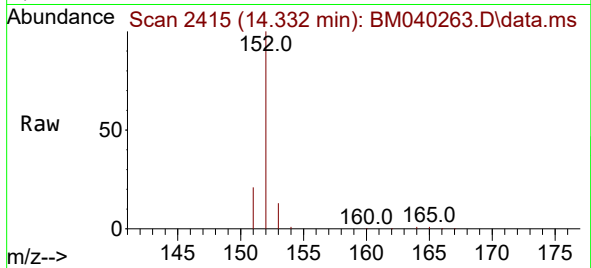




#10
Acenaphthylene
Concen: 0.435 ng/ul
RT: 14.332 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

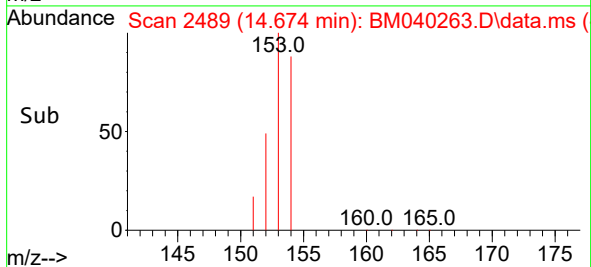
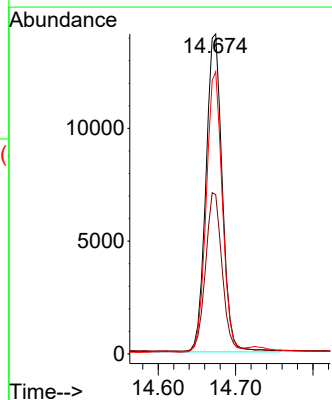
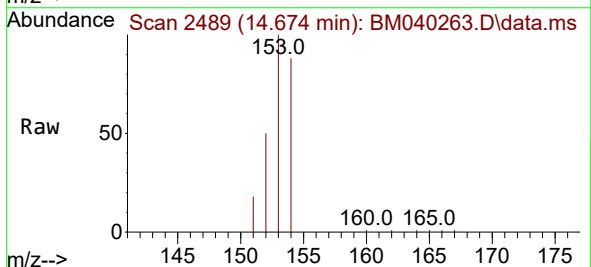
Instrument :
BNA_M
ClientSampleId :
SSTD0.4119

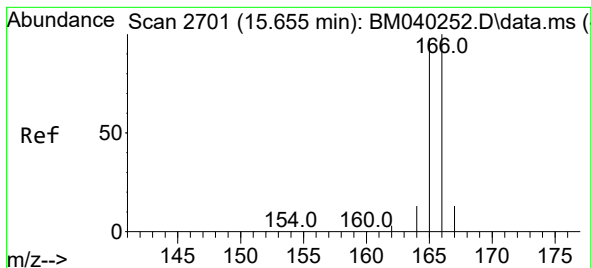
Tgt Ion:152 Resp: 25077
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.4 10.7 16.1



#11
Acenaphthene
Concen: 0.419 ng/ul
RT: 14.674 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion:153 Resp: 20713
Ion Ratio Lower Upper
153 100
152 49.8 40.3 60.5
154 88.2 70.5 105.7





#12

Fluorene

Concen: 0.387 ng/ul

RT: 15.655 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.4119

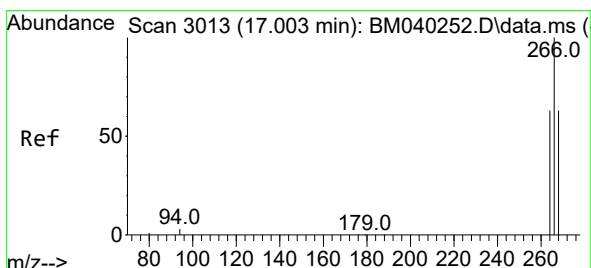
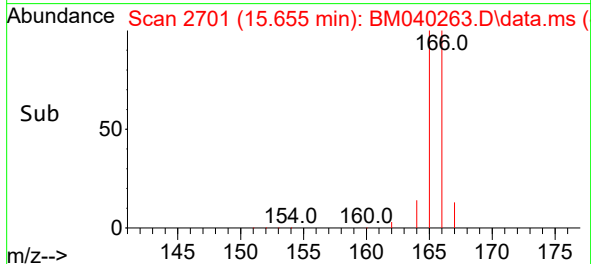
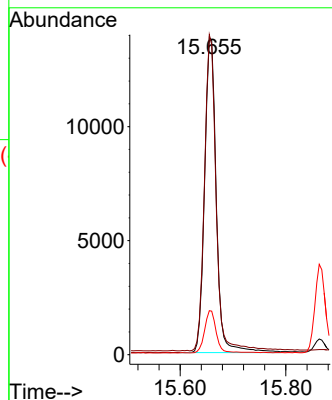
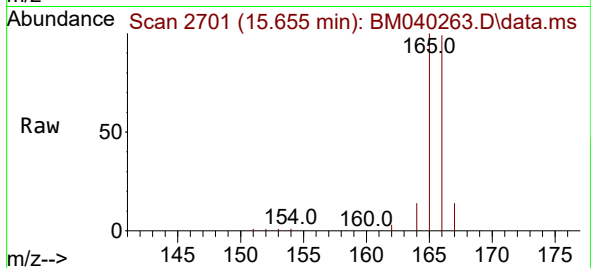
Tgt Ion:166 Resp: 21299

Ion Ratio Lower Upper

166 100

165 100.9 78.2 117.4

167 13.9 11.0 16.4



#14

Pentachlorophenol

Concen: 0.409 ng/ul

RT: 17.003 min Scan# 3013

Delta R.T. -0.004 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

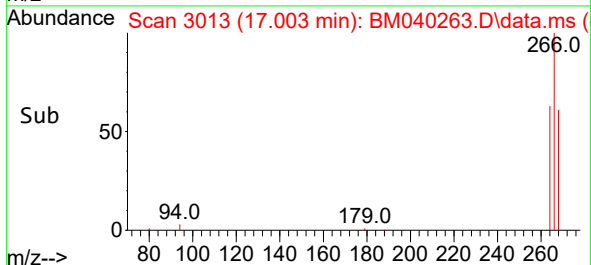
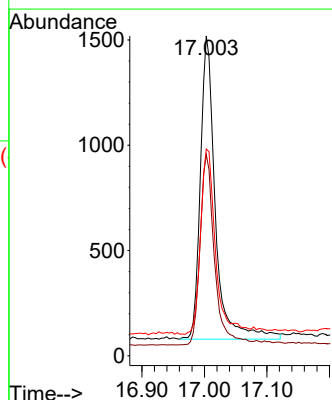
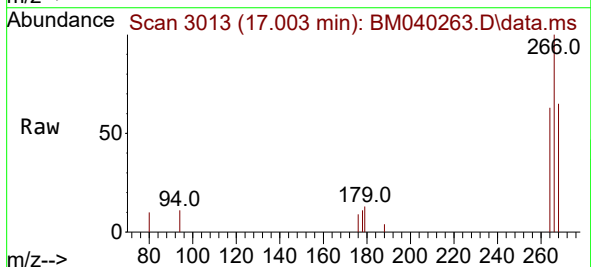
Tgt Ion:266 Resp: 2406

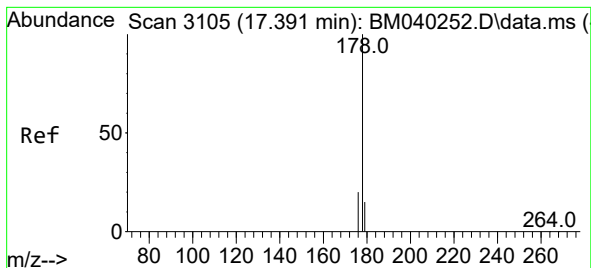
Ion Ratio Lower Upper

266 100

264 61.4 49.4 74.0

268 63.9 51.3 76.9





#15

Phenanthrene

Concen: 0.405 ng/ul

RT: 17.396 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.4119

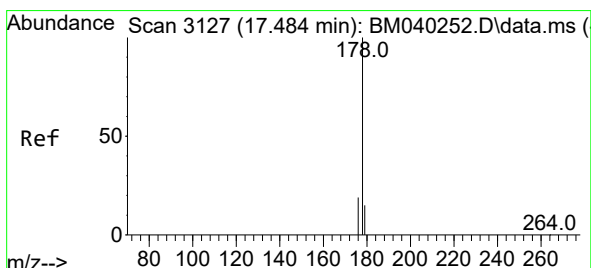
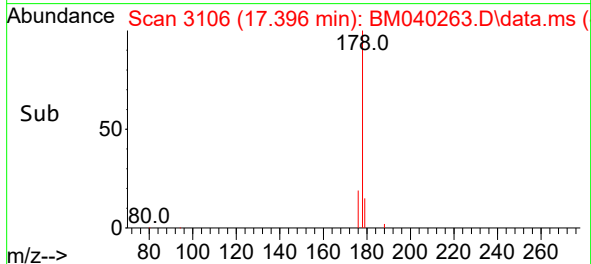
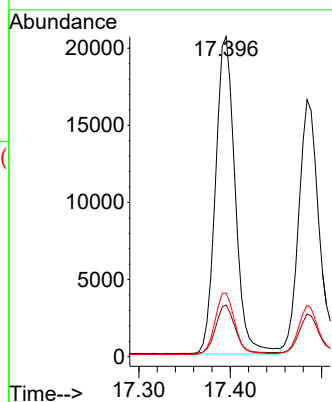
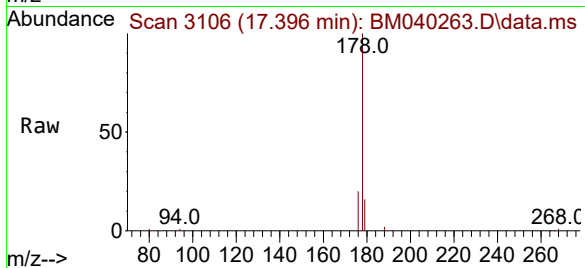
Tgt Ion:178 Resp: 30718

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 19.9 16.1 24.1



#16

Anthracene

Concen: 0.411 ng/ul

RT: 17.484 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

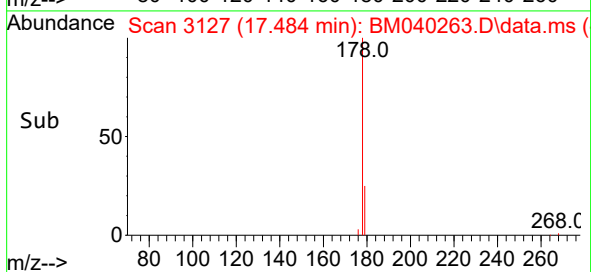
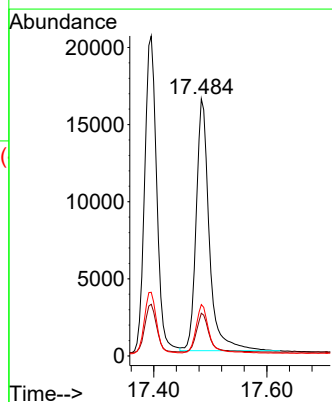
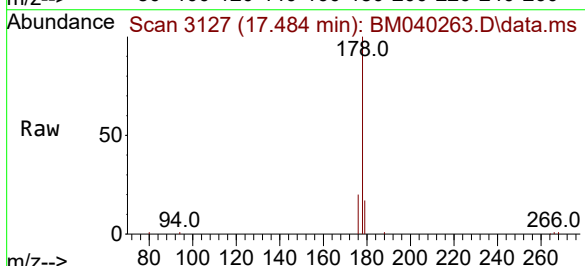
Tgt Ion:178 Resp: 26412

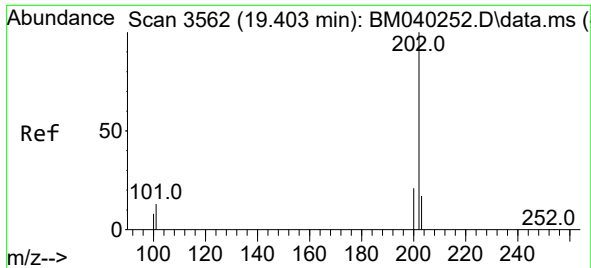
Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.4

176 20.0 15.5 23.3

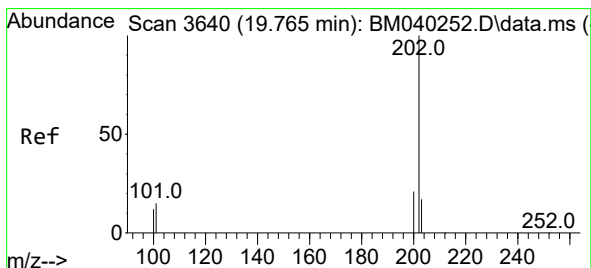
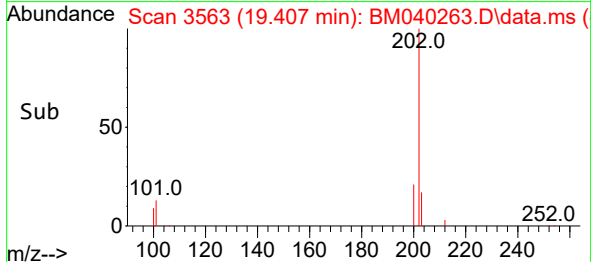
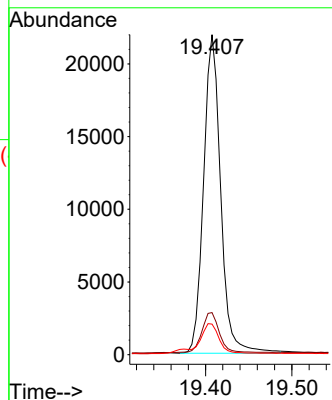
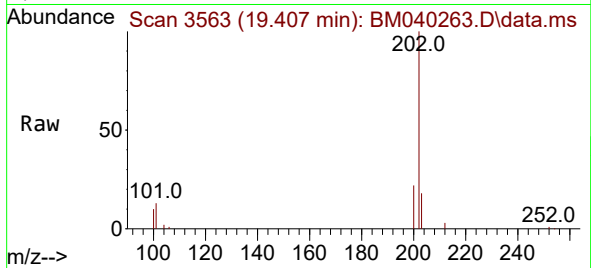




#19
Fluoranthene
Concen: 0.460 ng/ul
RT: 19.407 min Scan# 3563
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

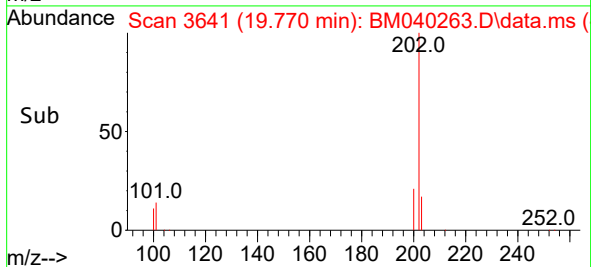
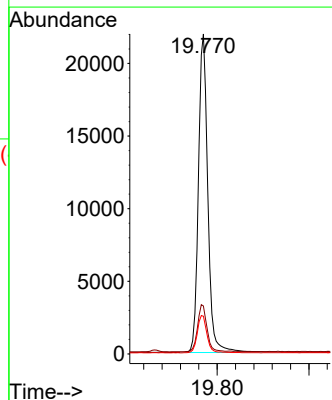
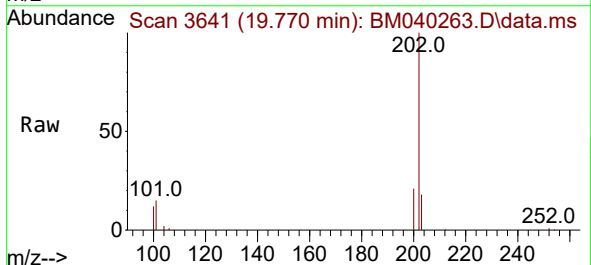
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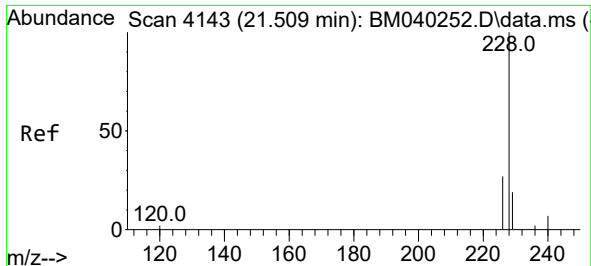
Tgt Ion:202 Resp: 30228
Ion Ratio Lower Upper
202 100
101 13.2 10.2 15.4
100 9.6 7.6 11.4



#20
Pyrene
Concen: 0.455 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion:202 Resp: 31109
Ion Ratio Lower Upper
202 100
101 15.0 11.8 17.8
100 11.8 9.3 13.9

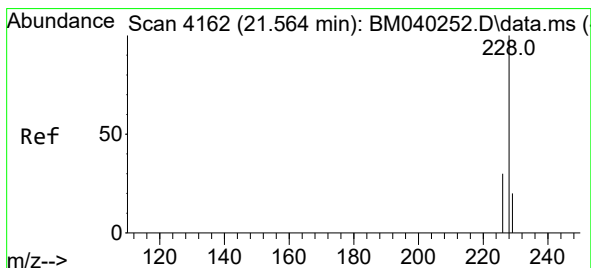
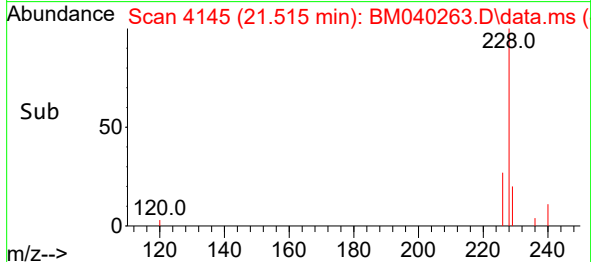
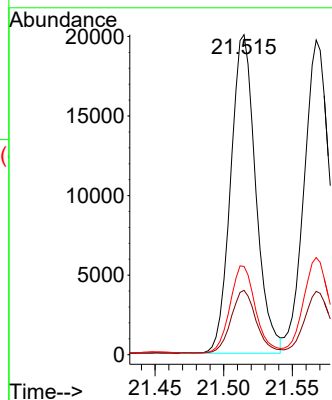
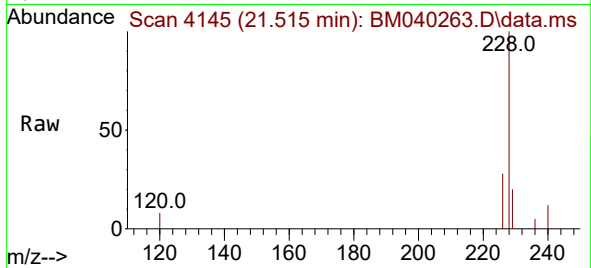




#21
Benzo(a)anthracene
Concen: 0.446 ng/ul
RT: 21.515 min Scan# 4143
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

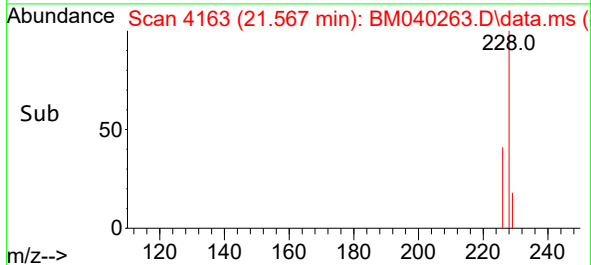
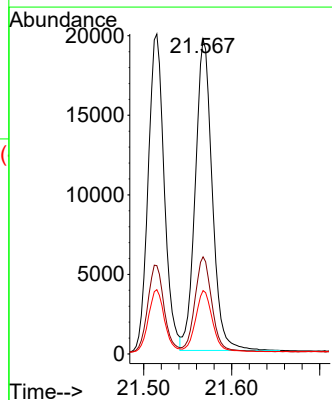
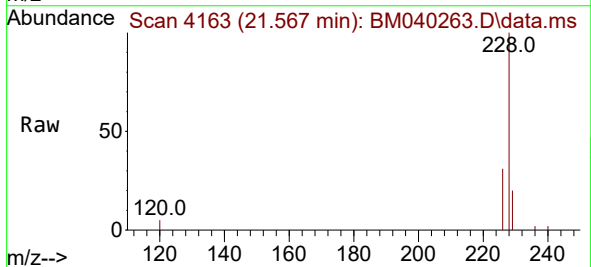
Instrument :
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ClientSampleId :
SSTD0.4119

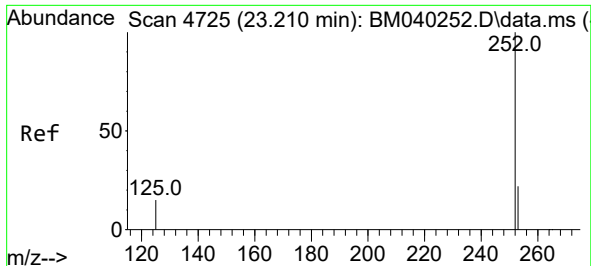
Tgt Ion:228 Resp: 25420
Ion Ratio Lower Upper
228 100
229 20.1 15.8 23.8
226 27.6 22.0 33.0



#22
Chrysene
Concen: 0.436 ng/ul
RT: 21.567 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion:228 Resp: 26261
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 20.1 15.7 23.5

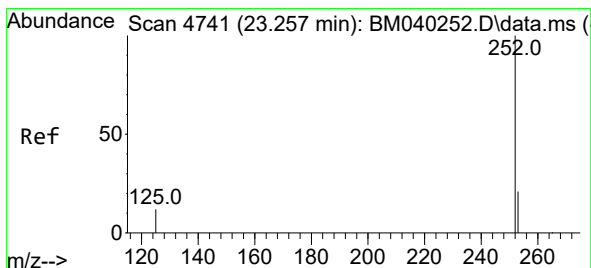
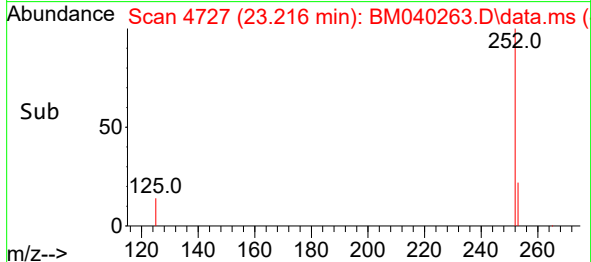
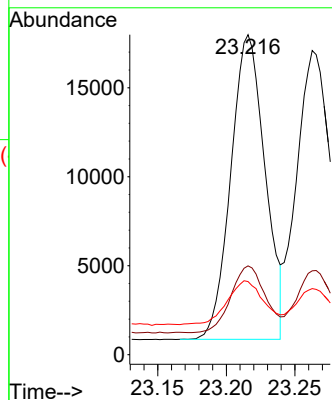
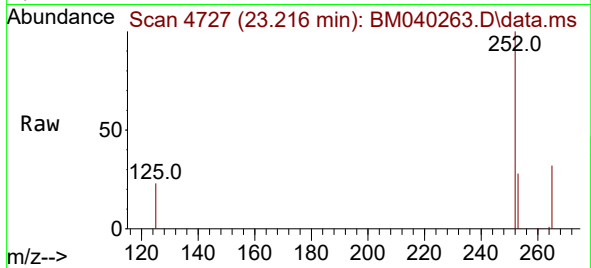




#24
Benzo(b)fluoranthene
Concen: 0.372 ng/ul
RT: 23.216 min Scan# 4727
Delta R.T. 0.000 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

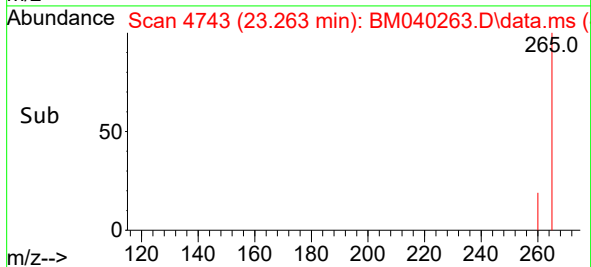
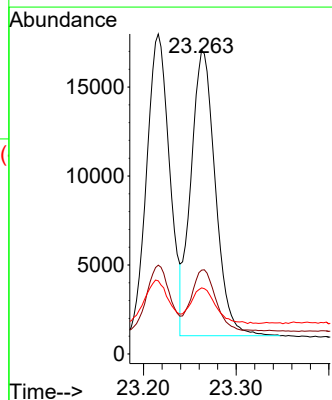
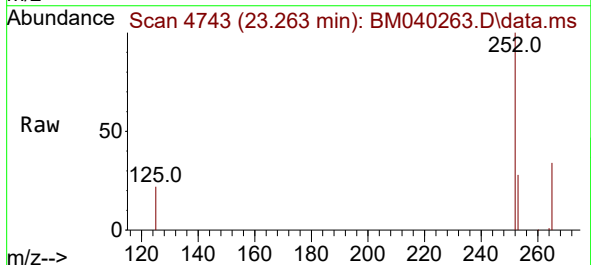
Instrument :
BNA_M
ClientSampleId :
SSTD0.4119

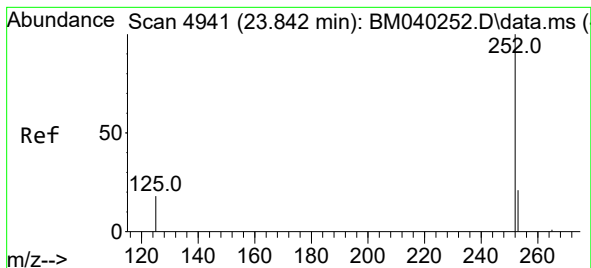
Tgt Ion:252 Resp: 29698
Ion Ratio Lower Upper
252 100
253 27.7 0.0 52.4
125 22.8 0.0 38.4



#25
Benzo(k)fluoranthene
Concen: 0.390 ng/ul
RT: 23.263 min Scan# 4743
Delta R.T. -0.003 min
Lab File: BM040263.D
Acq: 15 Jun 2023 17:25

Tgt Ion:252 Resp: 29333
Ion Ratio Lower Upper
252 100
253 27.6 21.5 32.3
125 21.7 14.7 22.1





#26

Benzo(a)pyrene

Concen: 0.397 ng/ul

RT: 23.850 min Scan# 4941

Delta R.T. 0.000 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.4119

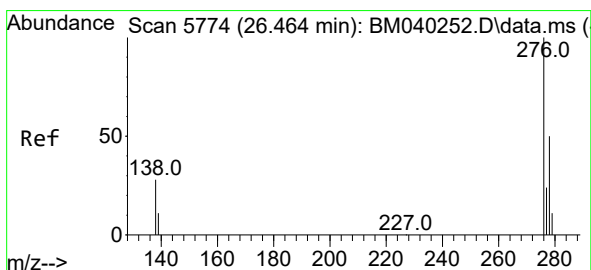
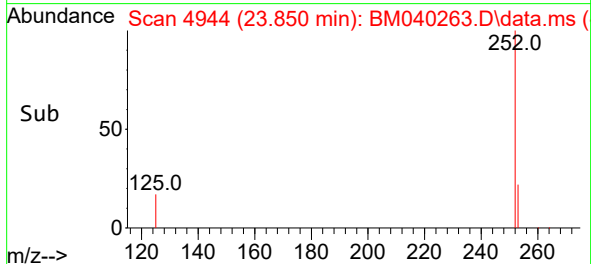
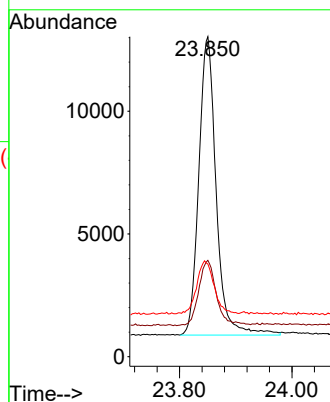
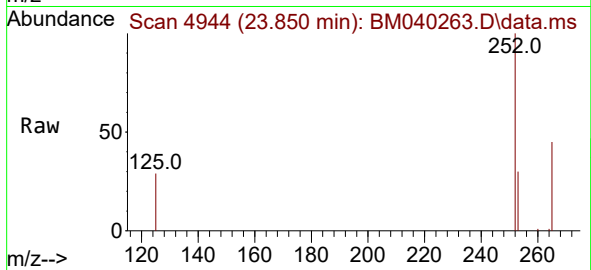
Tgt Ion:252 Resp: 26020

Ion Ratio Lower Upper

252 100

253 30.1 23.4 35.0

125 29.0 19.7 29.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng/ul

RT: 26.474 min Scan# 5777

Delta R.T. -0.003 min

Lab File: BM040263.D

Acq: 15 Jun 2023 17:25

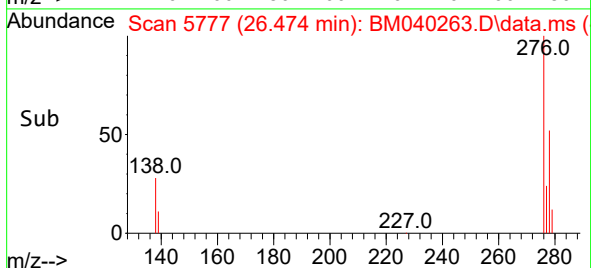
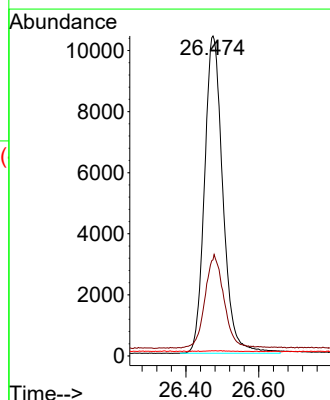
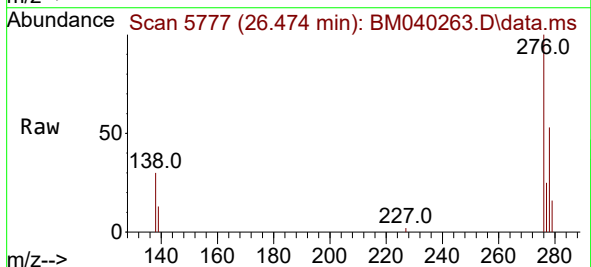
Tgt Ion:276 Resp: 36352

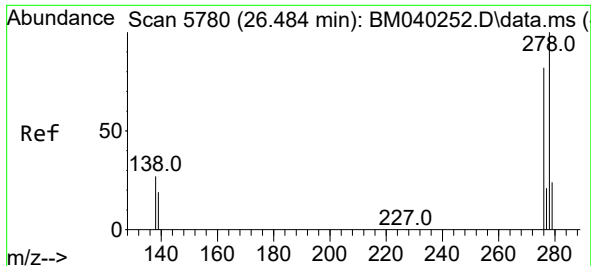
Ion Ratio Lower Upper

276 100

138 30.1 23.3 34.9

227 0.3 0.1 0.1#

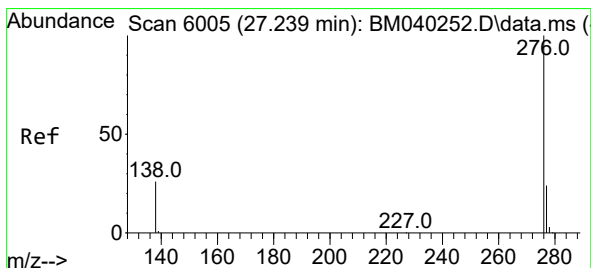
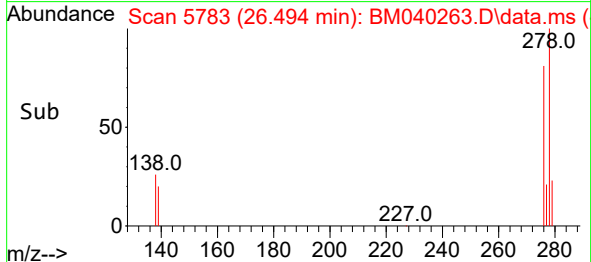
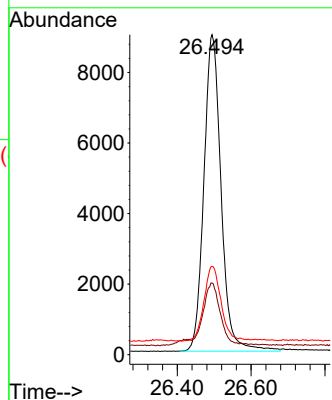
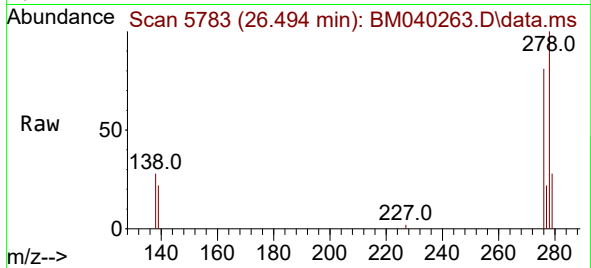




#28
 Dibenzo(a,h)anthracene
 Concen: 0.436 ng/ul
 RT: 26.494 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: BM040263.D
 Acq: 15 Jun 2023 17:25

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4119

Tgt Ion:278 Resp: 29061
 Ion Ratio Lower Upper
 278 100
 139 22.4 16.4 24.6
 279 27.6 21.8 32.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.447 ng/ul
 RT: 27.245 min Scan# 6007
 Delta R.T. -0.010 min
 Lab File: BM040263.D
 Acq: 15 Jun 2023 17:25

Tgt Ion:276 Resp: 30984
 Ion Ratio Lower Upper
 276 100
 138 29.2 21.0 31.4
 277 24.7 19.6 29.4

