

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110623\
 Data File : BM042601.D
 Acq On : 06 Nov 2023 22:19
 Operator : MA/JU
 Sample : SSTD0.462
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4010

Quant Time: Nov 07 02:08:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 02:04:31 2023
 Response via : Initial Calibration

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

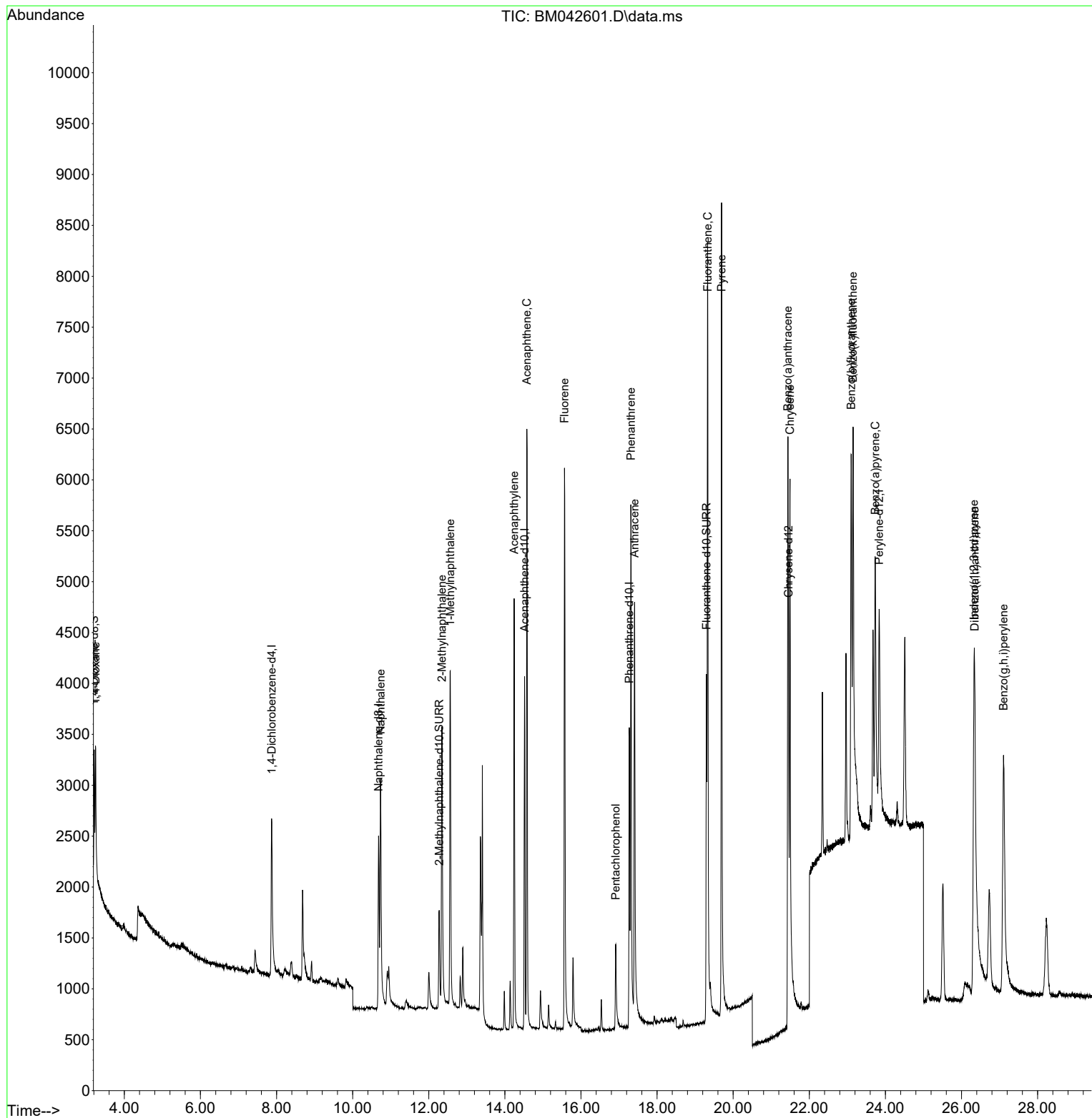
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	1230	0.400	ng/ul	0.00
4) Naphthalene-d8	10.680	136	2977	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.518	164	1796	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	3826	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	2782	0.400	ng/ul	0.00
23) Perylene-d12	23.836	264	3369	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.208	96	648	0.358	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.275	152	1715	0.450	ng/ul	0.00
18) Fluoranthene-d10	19.297	212	4098	0.343	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.246	88	784	0.379	ng/ul	100
5) Naphthalene	10.735	128	3929	0.410	ng/ul	100
7) 2-Methylnaphthalene	12.346	142	2536	0.434	ng/ul	100
8) 1-Methylnaphthalene	12.566	142	2583	0.442	ng/ul	100
10) Acenaphthylene	14.245	152	5073	0.456	ng/ul	100
11) Acenaphthene	14.578	153	3434	0.392	ng/ul	100
12) Fluorene	15.568	166	3946	0.406	ng/ul	100
14) Pentachlorophenol	16.911	266	771	0.481	ng/ul	100
15) Phenanthrene	17.312	178	6049	0.377	ng/ul	100
16) Anthracene	17.409	178	5590	0.397	ng/ul	100
19) Fluoranthene	19.329	202	7371	0.266	ng/ul	100
20) Pyrene	19.696	202	8068	0.281	ng/ul	100
21) Benzo(a)anthracene	21.437	228	5322	0.279	ng/ul	100
22) Chrysene	21.492	228	5339	0.263	ng/ul	100
24) Benzo(b)fluoranthene	23.100	252	5823	0.237	ng/ul	100
25) Benzo(k)fluoranthene	23.149	252	5786	0.231	ng/ul	100
26) Benzo(a)pyrene	23.734	252	5513	0.276	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	26.328	276	7424	0.285	ng/ul	100
28) Dibenzo(a,h)anthracene	26.348	278	5349	0.284	ng/ul	100
29) Benzo(g,h,i)perylene	27.106	276	6886	0.309	ng/ul	100

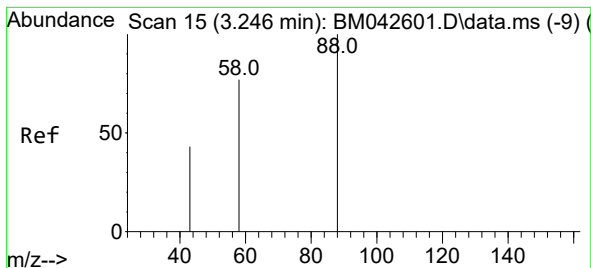
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.379 ng/ul

RT: 3.246 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

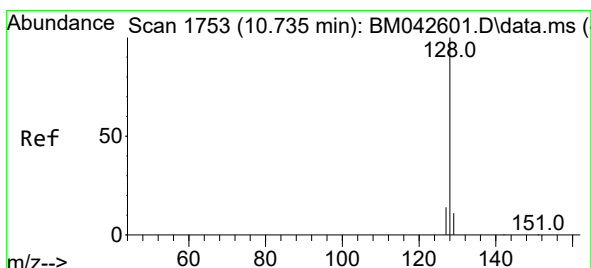
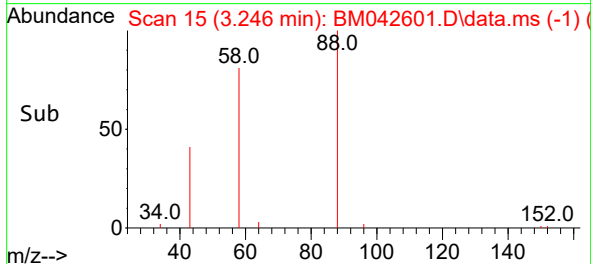
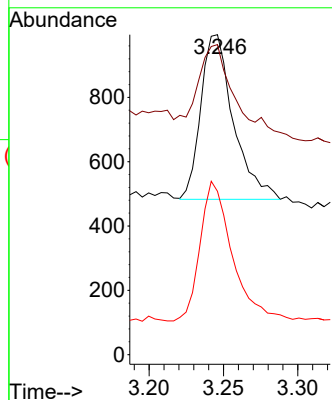
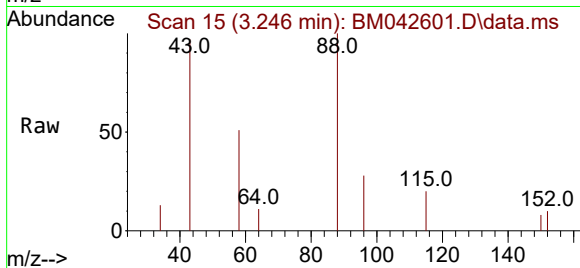
Tgt Ion: 88 Resp: 784

Ion Ratio Lower Upper

88 100

43 96.9 77.5 116.3

58 51.1 40.9 61.3



#5

Naphthalene

Concen: 0.410 ng/ul

RT: 10.735 min Scan# 1753

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

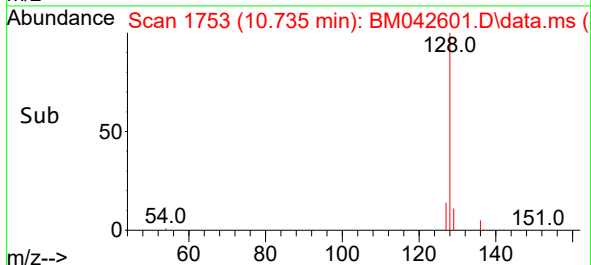
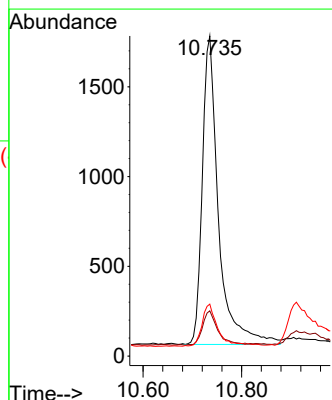
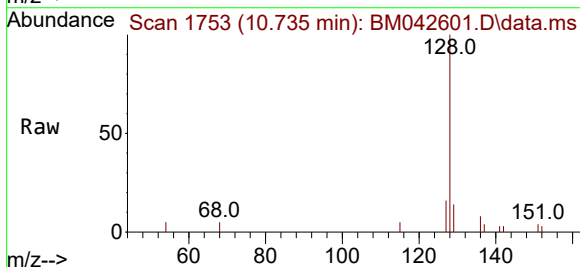
Tgt Ion:128 Resp: 3929

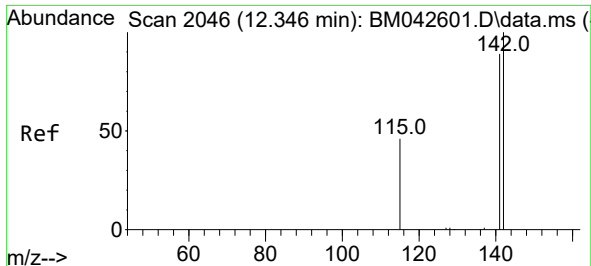
Ion Ratio Lower Upper

128 100

129 14.1 11.3 16.9

127 16.2 13.0 19.4

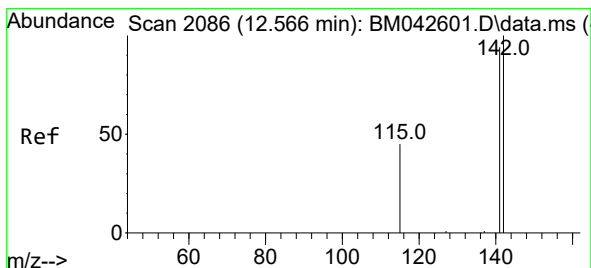
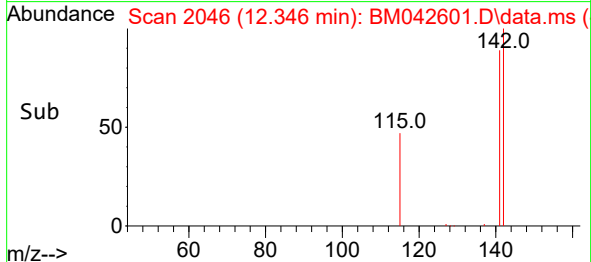
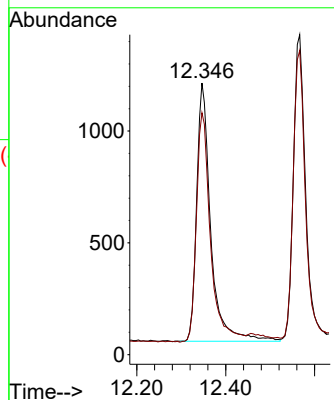
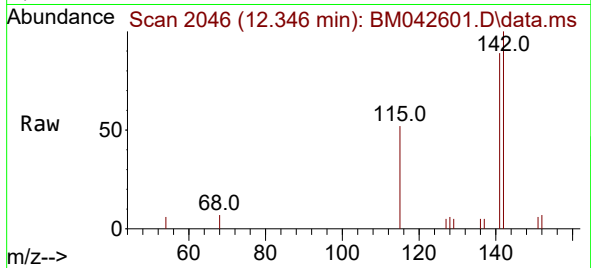




#7
2-Methylnaphthalene
Concen: 0.434 ng/ul
RT: 12.346 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

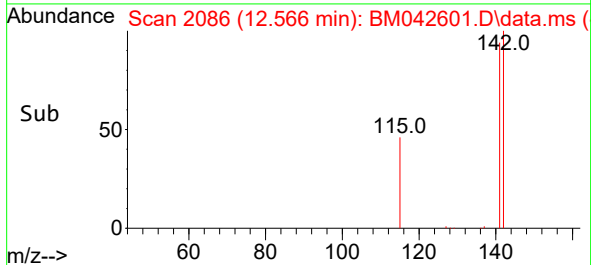
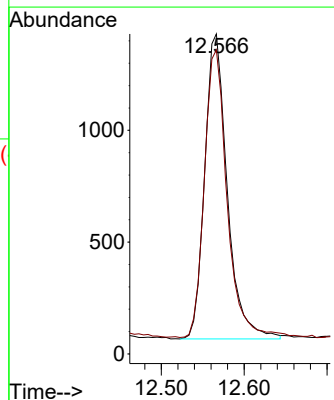
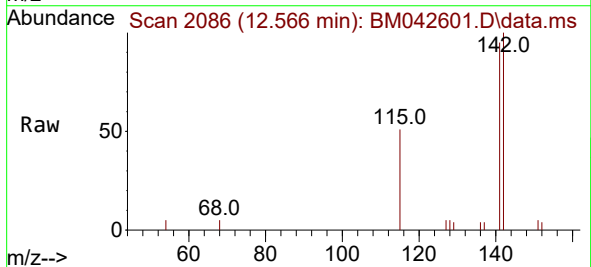
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

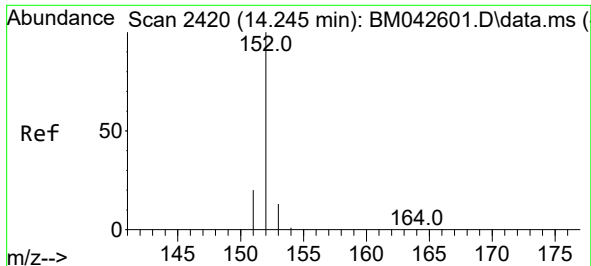
Tgt Ion:142 Resp: 2536
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5



#8
1-Methylnaphthalene
Concen: 0.442 ng/ul
RT: 12.566 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Tgt Ion:142 Resp: 2583
Ion Ratio Lower Upper
142 100
141 94.3 75.4 113.2

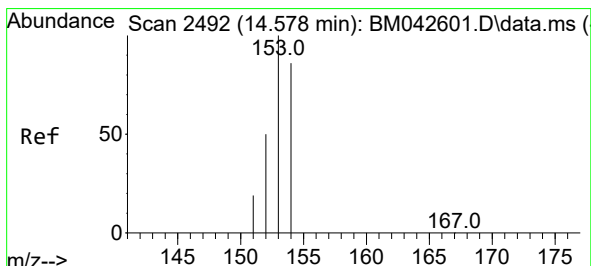
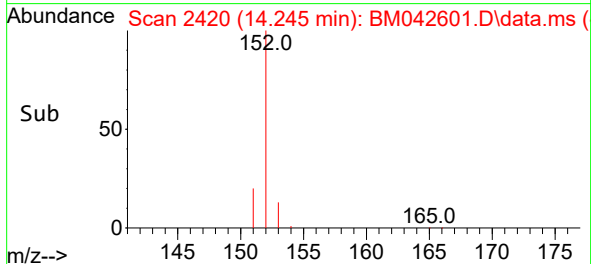
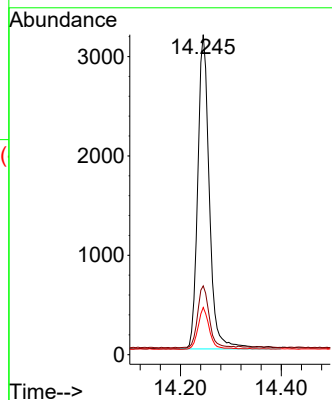
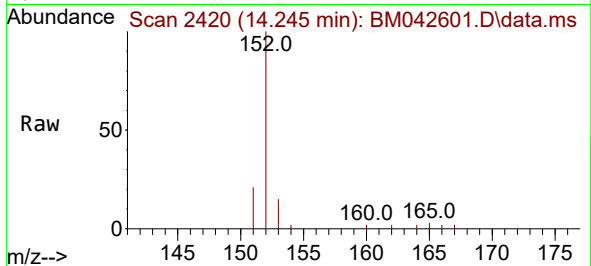




#10
Acenaphthylene
Concen: 0.456 ng/ul
RT: 14.245 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

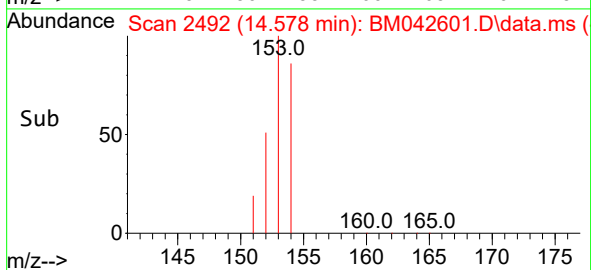
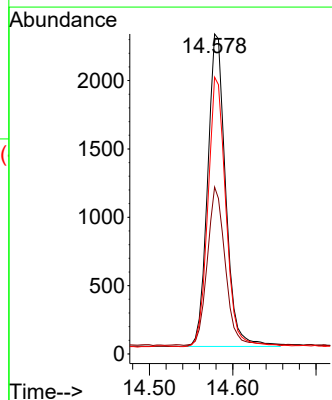
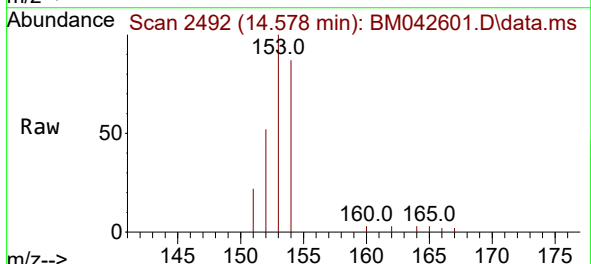
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

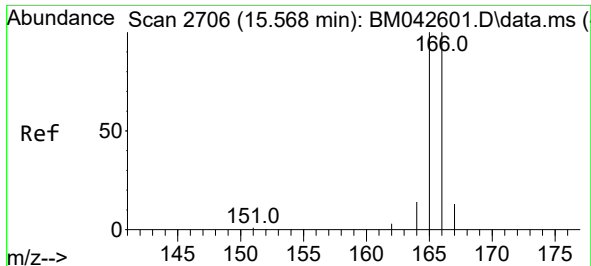
Tgt Ion:	152	Resp:	5073
Ion Ratio	Lower	Upper	
152	100		
151	21.5	17.2	25.8
153	14.8	11.8	17.8



#11
Acenaphthene
Concen: 0.392 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Tgt Ion:	153	Resp:	3434
Ion Ratio	Lower	Upper	
153	100		
152	52.2	41.8	62.6
154	86.5	69.2	103.8

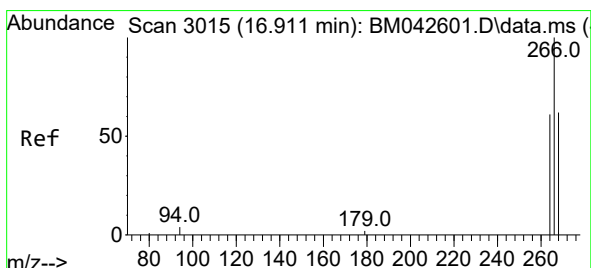
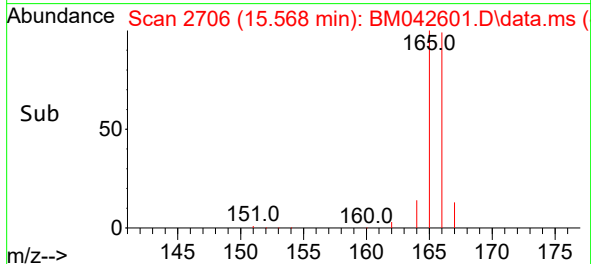
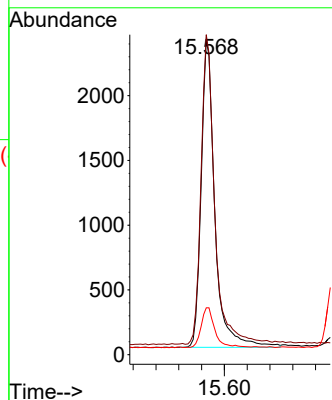
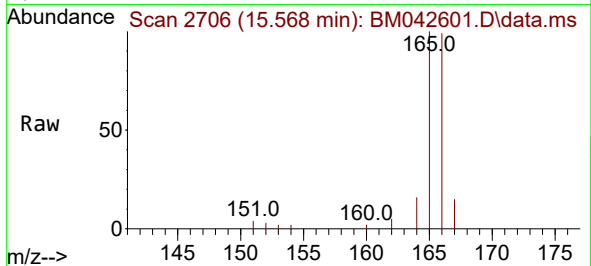




#12
 Fluorene
 Concen: 0.406 ng/ul
 RT: 15.568 min Scan# 2706
 Delta R.T. 0.000 min
 Lab File: BM042601.D
 Acq: 06 Nov 2023 22:19

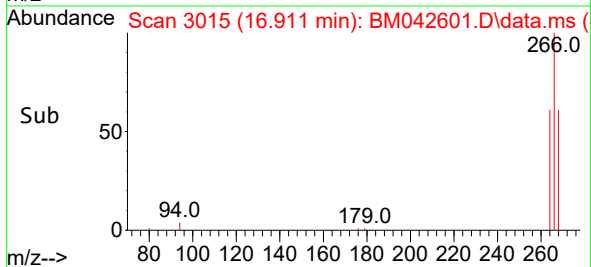
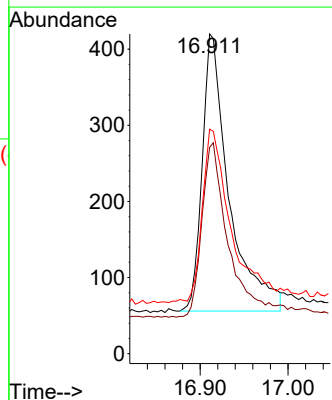
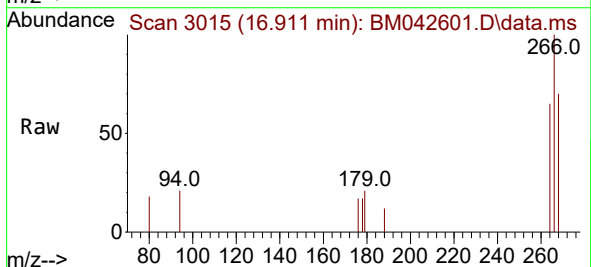
Instrument :
 BNA_M
 ClientSampleId :
 SST00.4010

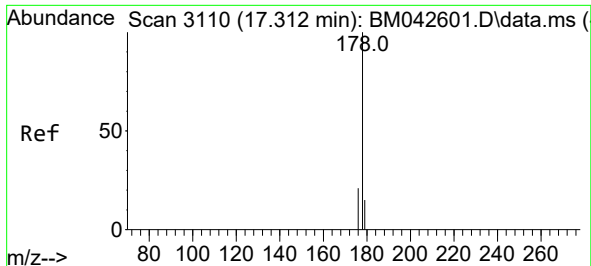
Tgt Ion:	166	Resp:	3946
Ion	Ratio	Lower	Upper
166	100		
165	101.5	81.2	121.8
167	14.9	11.9	17.9



#14
 Pentachlorophenol
 Concen: 0.481 ng/ul
 RT: 16.911 min Scan# 3015
 Delta R.T. 0.000 min
 Lab File: BM042601.D
 Acq: 06 Nov 2023 22:19

Tgt Ion:	266	Resp:	771
Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.4	75.6
268	68.5	54.8	82.2

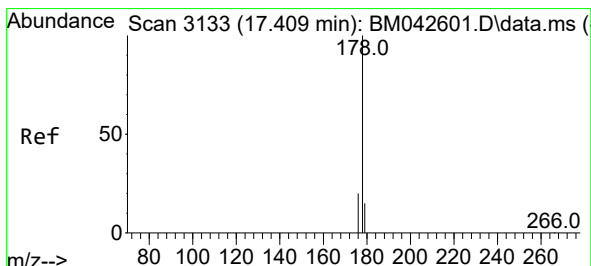
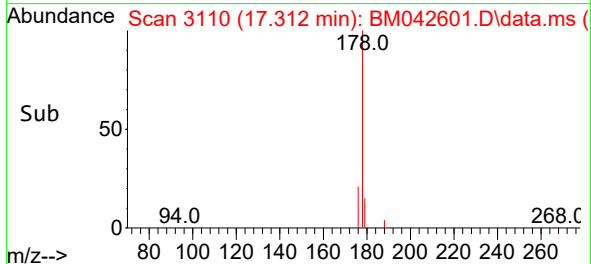
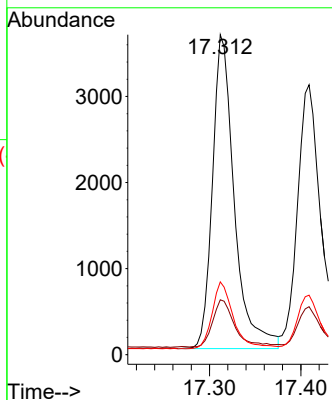
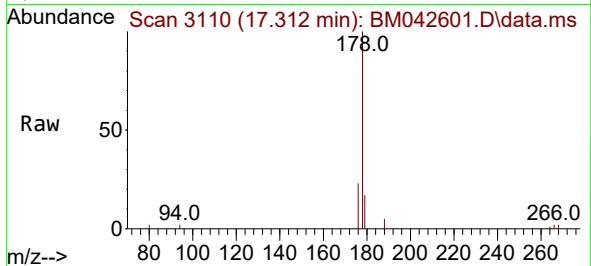




#15
Phenanthrene
Concen: 0.377 ng/ul
RT: 17.312 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

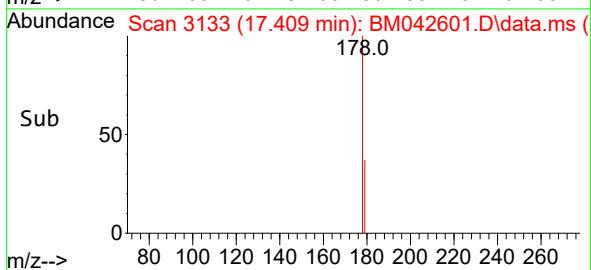
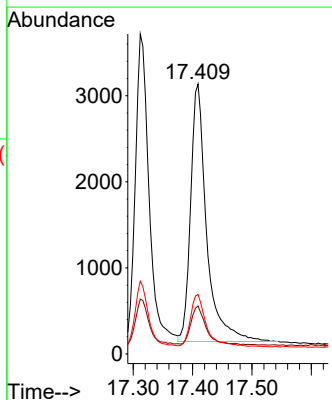
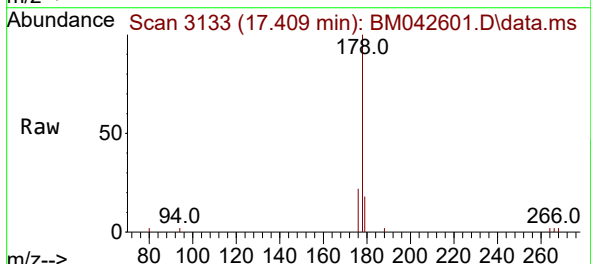
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

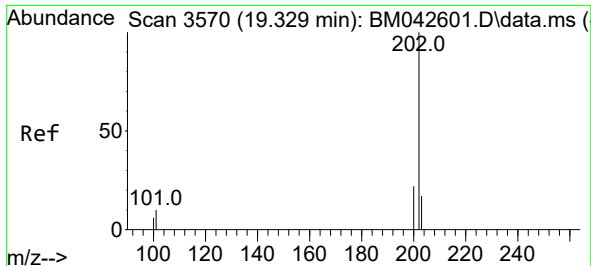
Tgt Ion:178 Resp: 6049
Ion Ratio Lower Upper
178 100
179 17.1 13.7 20.5
176 22.7 18.2 27.2



#16
Anthracene
Concen: 0.397 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Tgt Ion:178 Resp: 5590
Ion Ratio Lower Upper
178 100
179 17.8 14.2 21.4
176 22.0 17.6 26.4

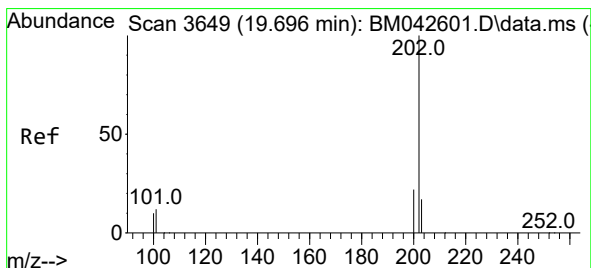
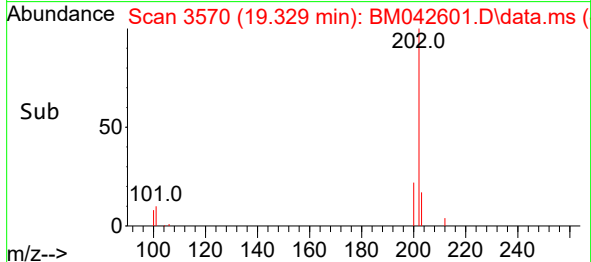
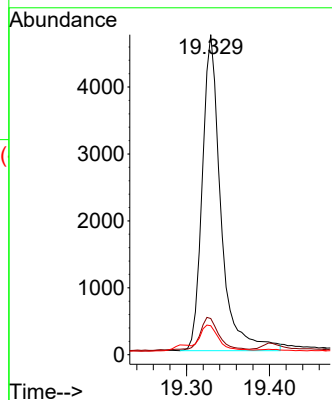
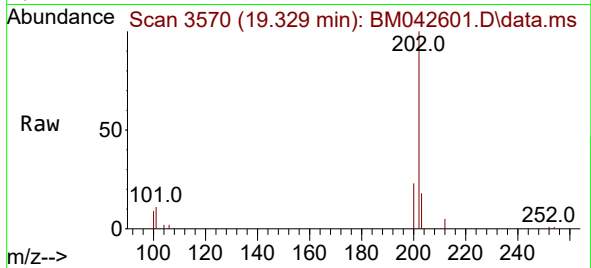




#19
Fluoranthene
Concen: 0.266 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

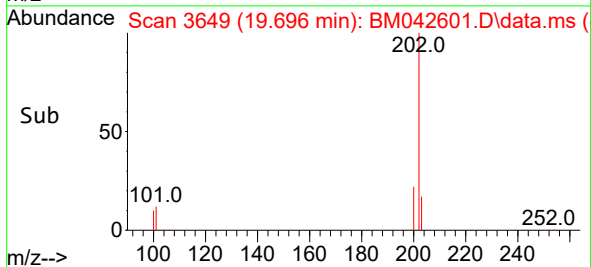
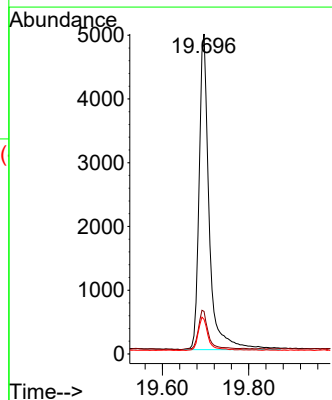
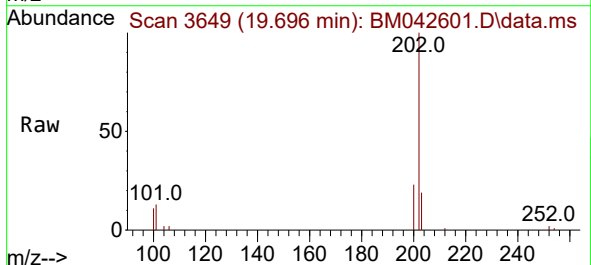
Instrument :
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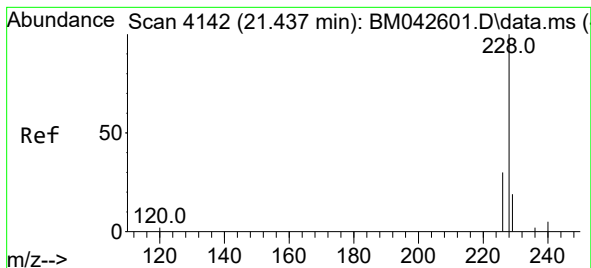
Tgt Ion:202 Resp: 7371
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.6
100 9.1 7.3 10.9



#20
Pyrene
Concen: 0.281 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Tgt Ion:202 Resp: 8068
Ion Ratio Lower Upper
202 100
101 13.3 10.6 16.0
100 10.8 8.6 13.0





#21

Benzo(a)anthracene

Concen: 0.279 ng/ul

RT: 21.437 min Scan# 4142

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

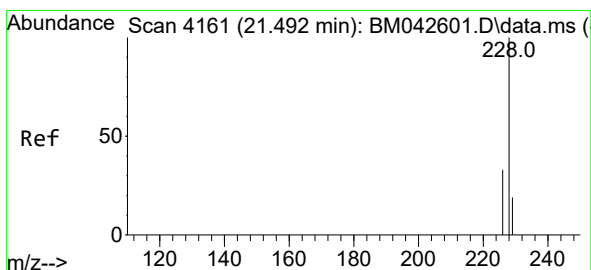
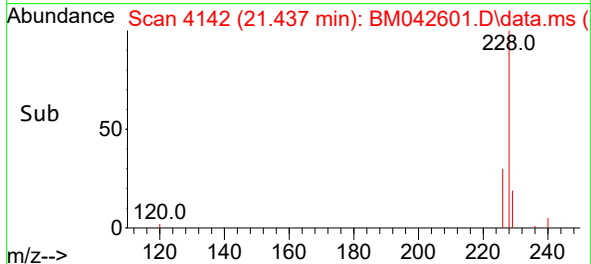
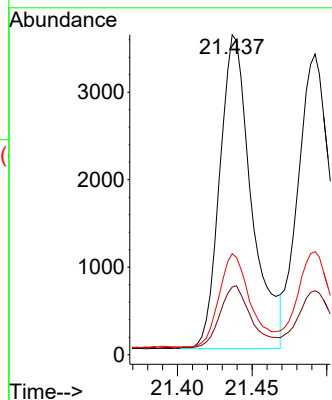
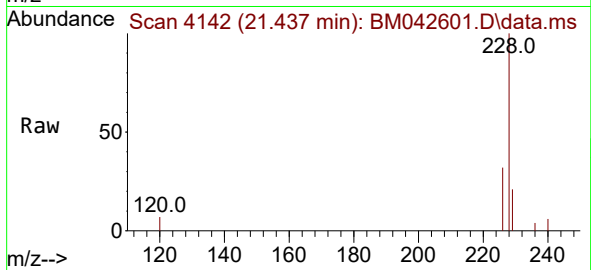
Tgt Ion:228 Resp: 5322

Ion Ratio Lower Upper

228 100

229 21.2 17.0 25.4

226 31.5 25.2 37.8



#22

Chrysene

Concen: 0.263 ng/ul

RT: 21.492 min Scan# 4161

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

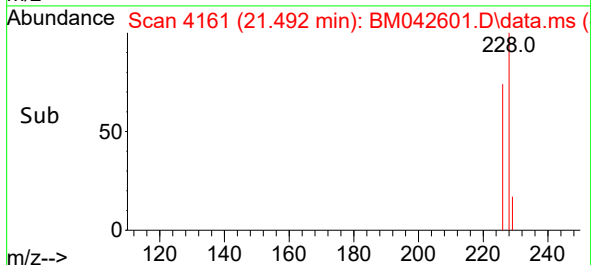
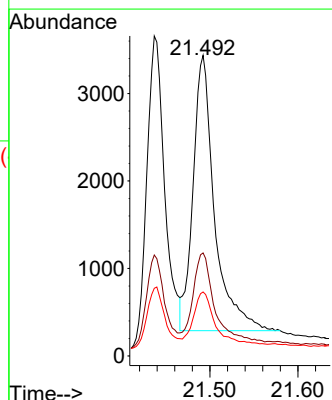
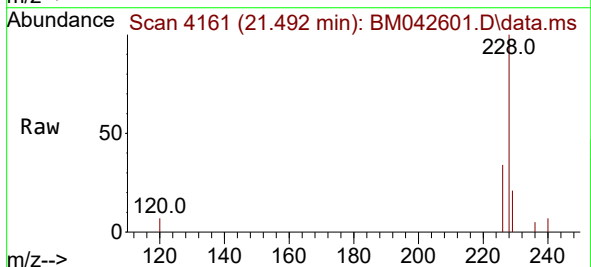
Tgt Ion:228 Resp: 5339

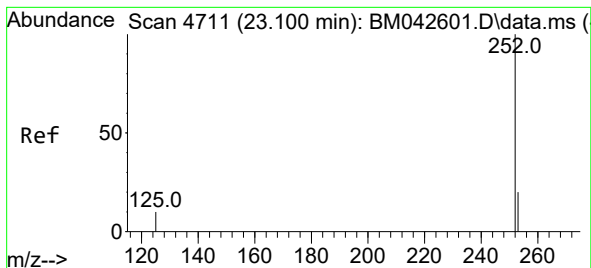
Ion Ratio Lower Upper

228 100

226 34.2 27.4 41.0

229 21.3 17.0 25.6





#24

Benzo(b)fluoranthene

Concen: 0.237 ng/ul

RT: 23.100 min Scan# 4711

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

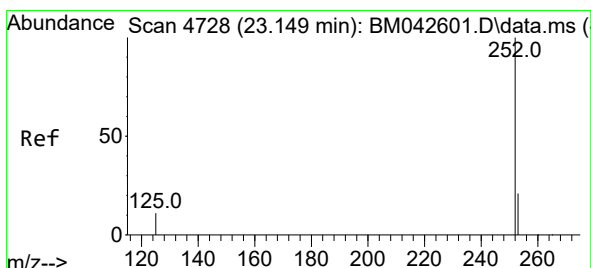
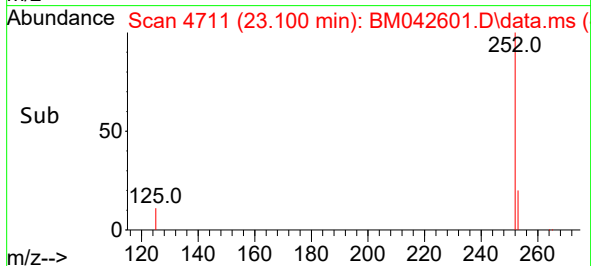
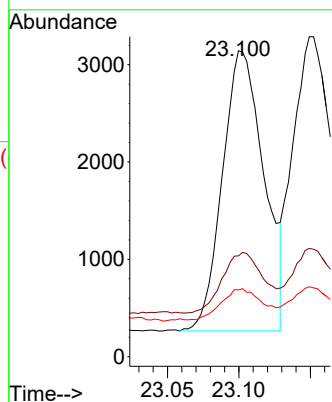
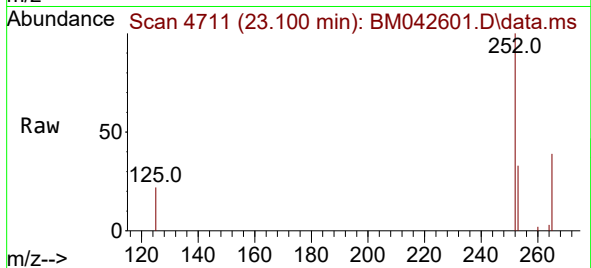
Tgt Ion:252 Resp: 5823

Ion Ratio Lower Upper

252 100

253 32.9 0.0 65.8

125 21.8 0.0 43.6



#25

Benzo(k)fluoranthene

Concen: 0.231 ng/ul

RT: 23.149 min Scan# 4728

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

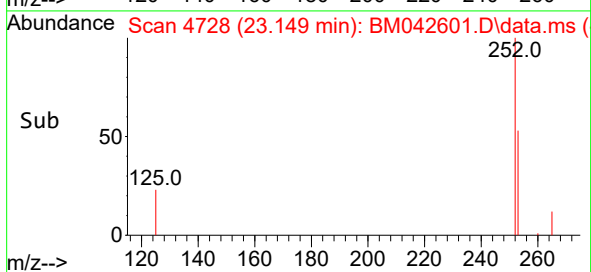
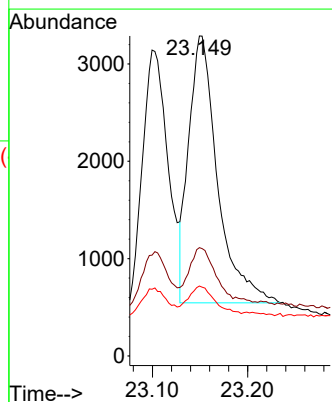
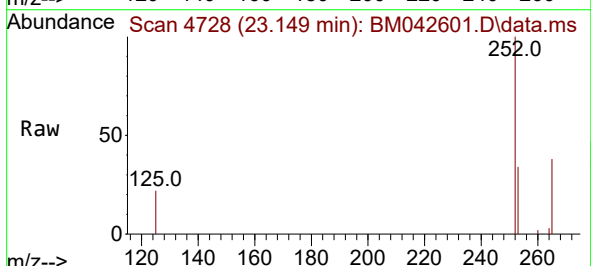
Tgt Ion:252 Resp: 5786

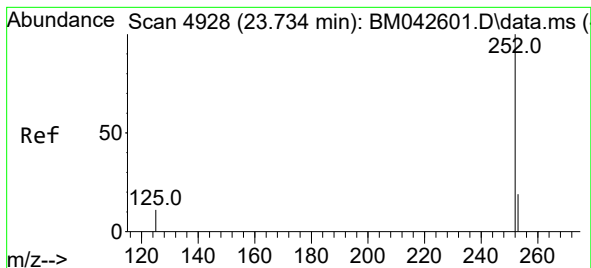
Ion Ratio Lower Upper

252 100

253 33.8 27.0 40.6

125 21.9 17.5 26.3





#26

Benzo(a)pyrene

Concen: 0.276 ng/ul

RT: 23.734 min Scan# 4928

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

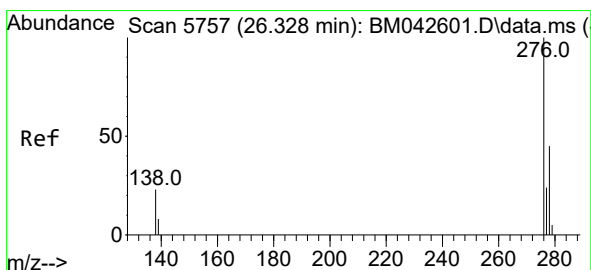
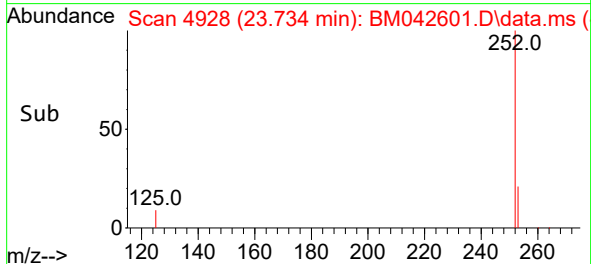
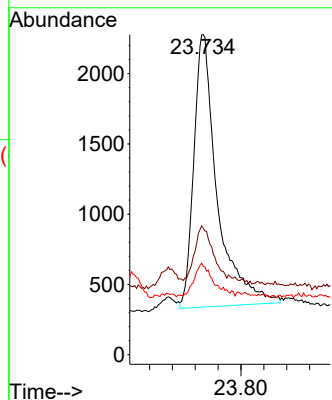
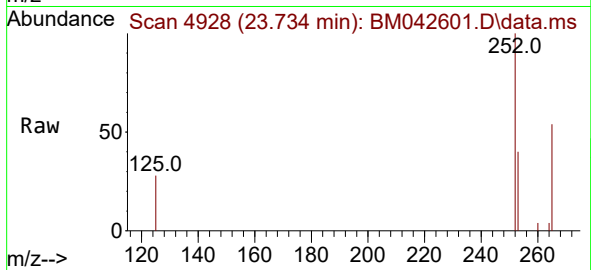
Tgt Ion:252 Resp: 5513

Ion Ratio Lower Upper

252 100

253 39.6 31.7 47.5

125 27.6 22.1 33.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.285 ng/ul

RT: 26.328 min Scan# 5757

Delta R.T. 0.000 min

Lab File: BM042601.D

Acq: 06 Nov 2023 22:19

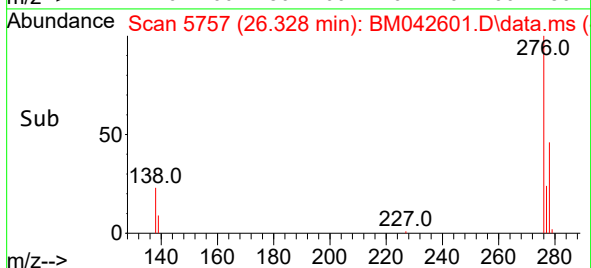
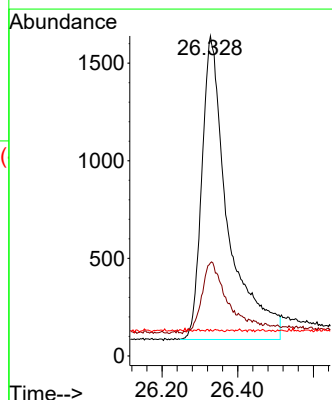
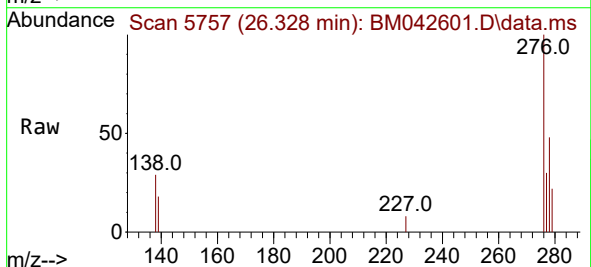
Tgt Ion:276 Resp: 7424

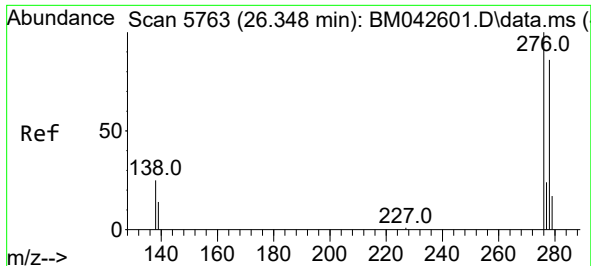
Ion Ratio Lower Upper

276 100

138 25.9 20.7 31.1

227 0.1 0.1 0.1

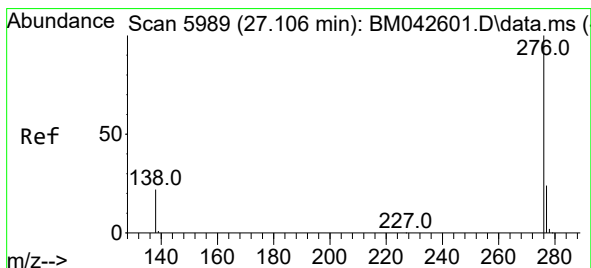
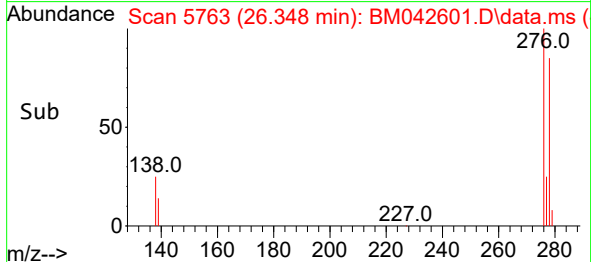
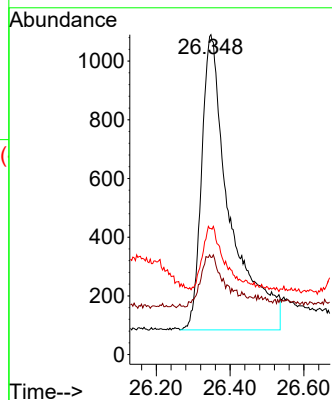
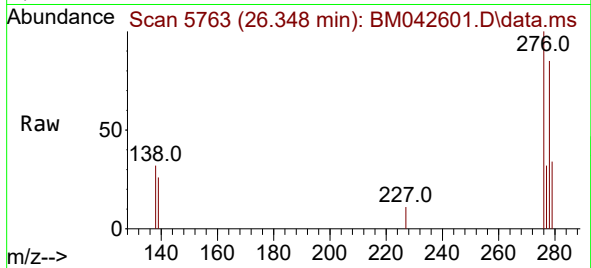




#28
Dibenzo(a,h)anthracene
Concen: 0.284 ng/ul
RT: 26.348 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

Tgt Ion:278 Resp: 5349
Ion Ratio Lower Upper
278 100
139 30.4 24.3 36.5
279 39.4 31.5 47.3



#29
Benzo(g,h,i)perylene
Concen: 0.309 ng/ul
RT: 27.106 min Scan# 5989
Delta R.T. 0.000 min
Lab File: BM042601.D
Acq: 06 Nov 2023 22:19

Tgt Ion:276 Resp: 6886
Ion Ratio Lower Upper
276 100
138 27.9 22.3 33.5
277 29.5 23.6 35.4

