

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110623\
 Data File : BM042604.D
 Acq On : 07 Nov 2023 00:07
 Operator : MA/JU
 Sample : SSTD3.265
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2013

Quant Time: Nov 07 02:09:28 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)

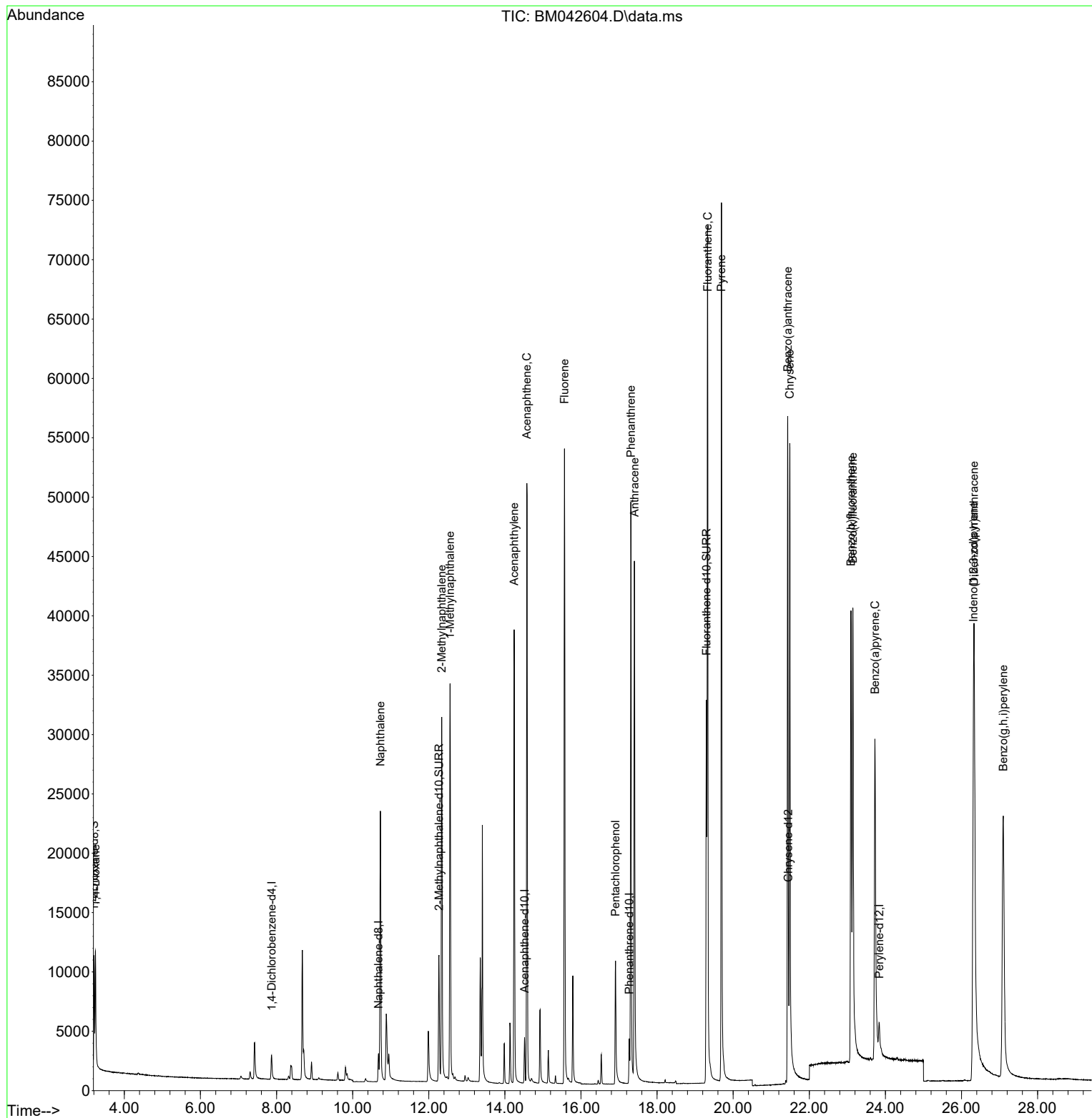
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	1377	0.400	ng/ul	0.00
4) Naphthalene-d8	10.680	136	3295	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.518	164	2018	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.269	188	4584	0.400	ng/ul	0.00
17) Chrysene-d12	21.451	240	3415	0.400	ng/ul	0.00
23) Perylene-d12	23.839	264	3790	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.204	96	4506	2.226	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	14728	3.495	ng/ul	0.00
18) Fluoranthene-d10	19.296	212	36508	2.489	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.242	88	6103	2.637	ng/ul#	59
5) Naphthalene	10.730	128	33114	3.121	ng/ul#	93
7) 2-Methylnaphthalene	12.341	142	22208	3.432	ng/ul	97
8) 1-Methylnaphthalene	12.561	142	22367	3.457	ng/ul	99
10) Acenaphthylene	14.245	152	43794	3.504	ng/ul	97
11) Acenaphthene	14.578	153	29270	2.972	ng/ul	98
12) Fluorene	15.568	166	34648	3.173	ng/ul	99
14) Pentachlorophenol	16.906	266	8197	4.266	ng/ul	97
15) Phenanthrene	17.312	178	53964	2.810	ng/ul	96
16) Anthracene	17.405	178	52242	3.095	ng/ul	95
19) Fluoranthene	19.329	202	65550	1.930	ng/ul	97
20) Pyrene	19.692	202	69065	1.959	ng/ul	98
21) Benzo(a)anthracene	21.434	228	51332	2.191	ng/ul	96
22) Chrysene	21.486	228	50387	2.022	ng/ul	97
24) Benzo(b)fluoranthene	23.097	252	52349	1.897	ng/ul	81
25) Benzo(k)fluoranthene	23.143	252	55649	1.972	ng/ul#	80
26) Benzo(a)pyrene	23.725	252	52101	2.320	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.317	276	66793	2.281	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.331	278	49176	2.324	ng/ul#	76
29) Benzo(g,h,i)perylene	27.099	276	58149	2.319	ng/ul#	89

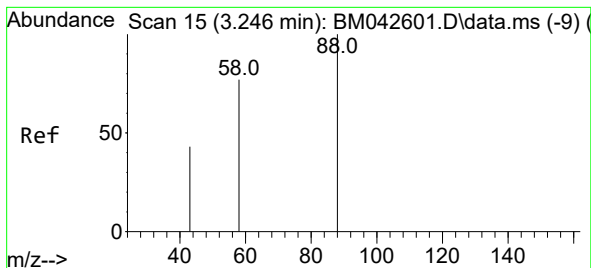
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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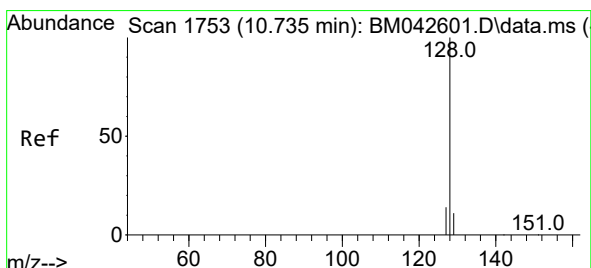
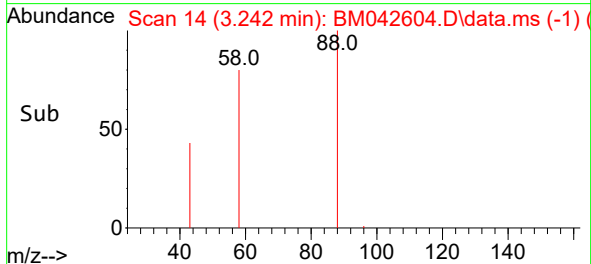
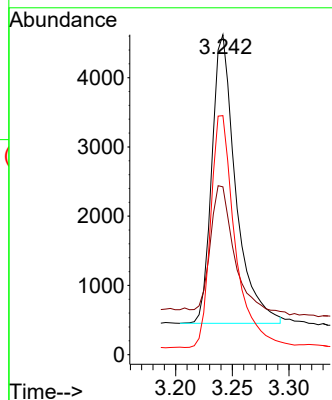
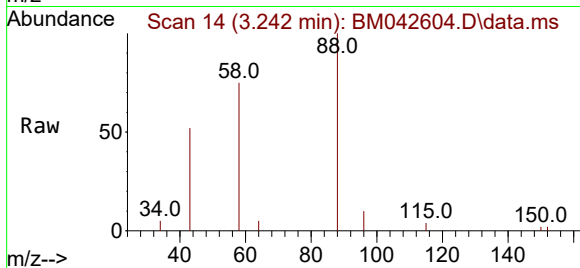




#2
1,4-Dioxane
Concen: 2.637 ng/ul
RT: 3.242 min Scan# 14
Delta R.T. -0.004 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

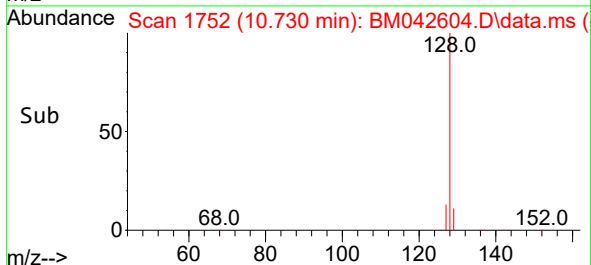
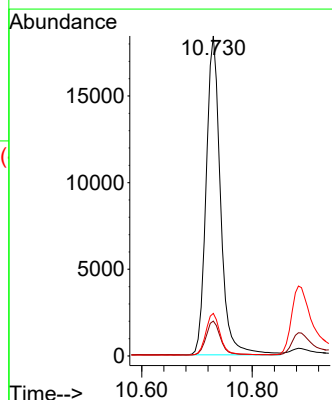
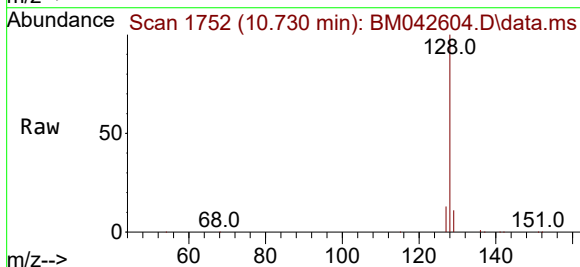
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SSTD3.2013

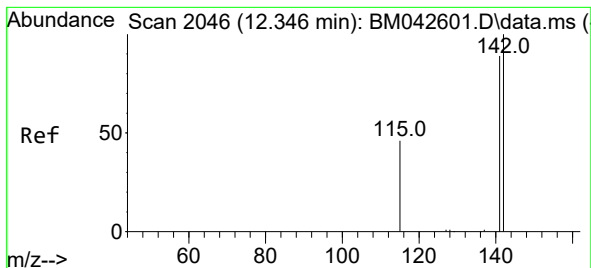
Tgt Ion: 88 Resp: 6103
Ion Ratio Lower Upper
88 100
43 52.4 77.5 116.3#
58 74.7 40.9 61.3#



#5
Naphthalene
Concen: 3.121 ng/ul
RT: 10.730 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:128 Resp: 33114
Ion Ratio Lower Upper
128 100
129 10.9 11.3 16.9#
127 13.3 13.0 19.4

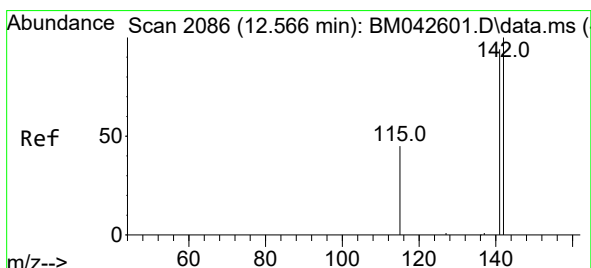
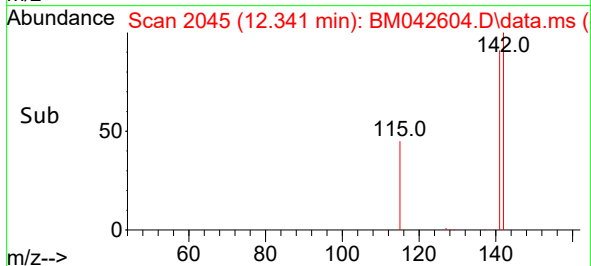
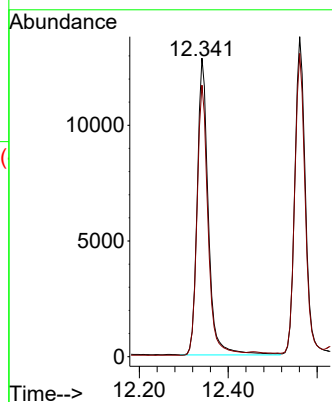
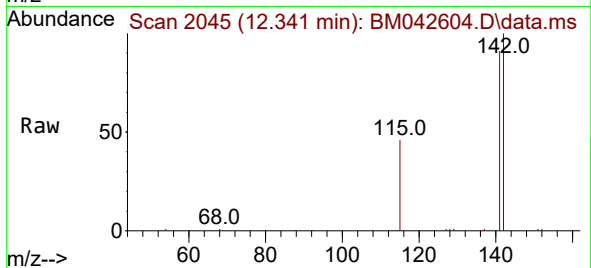




#7
2-Methylnaphthalene
Concen: 3.432 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

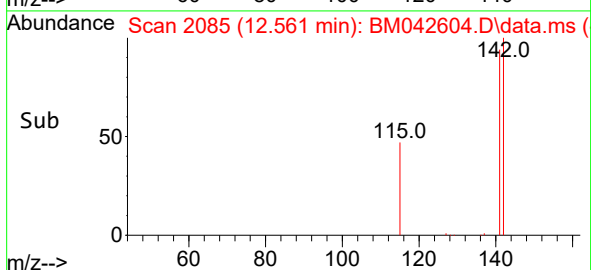
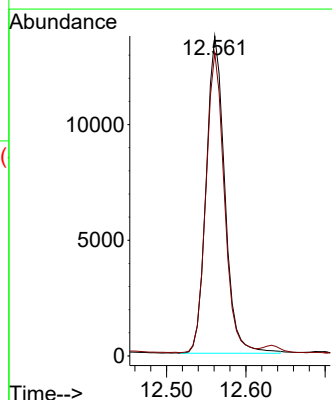
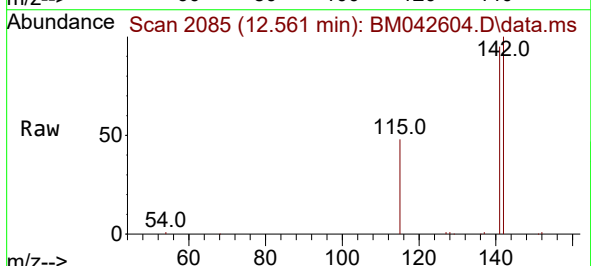
Instrument :
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ClientSampleId :
SSTD3.2013

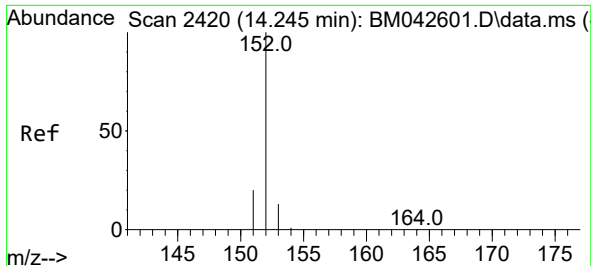
Tgt Ion:142 Resp: 22208
Ion Ratio Lower Upper
142 100
141 92.6 71.7 107.5



#8
1-Methylnaphthalene
Concen: 3.457 ng/ul
RT: 12.561 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:142 Resp: 22367
Ion Ratio Lower Upper
142 100
141 93.3 75.4 113.2

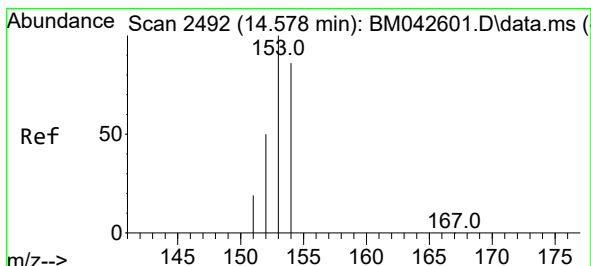
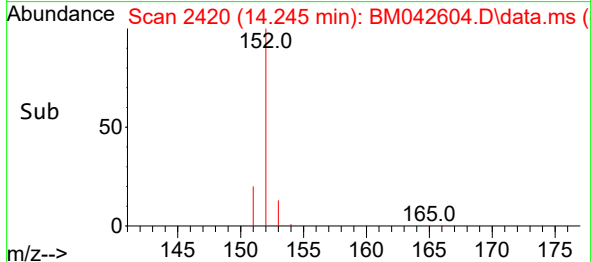
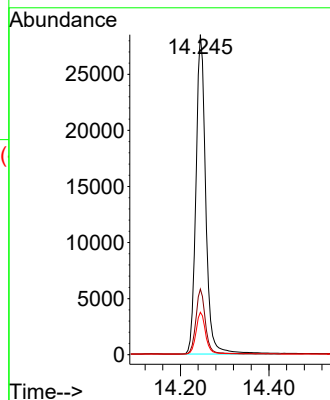
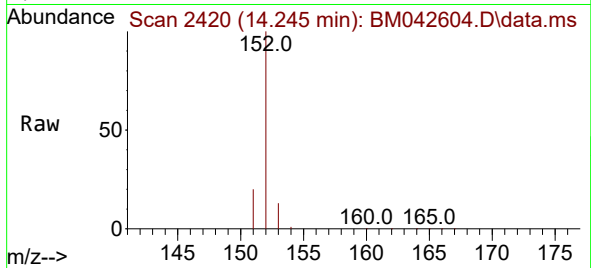




#10
Acenaphthylene
Concen: 3.504 ng/ul
RT: 14.245 min Scan# 2420
Delta R.T. -0.000 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

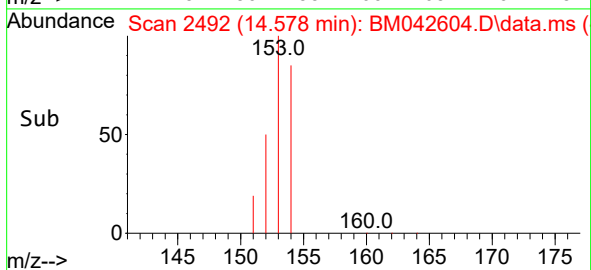
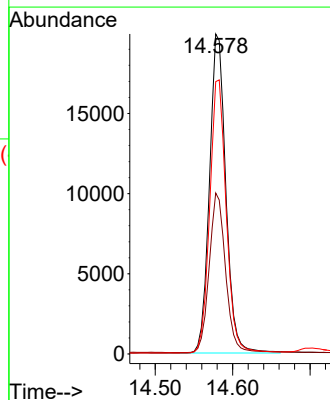
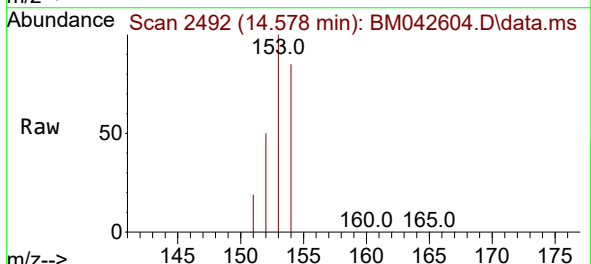
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BNA_M
ClientSampleId :
SSTD3.2013

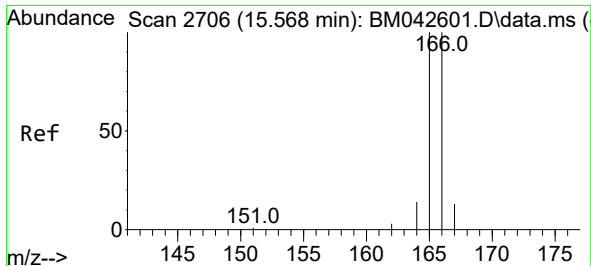
Tgt Ion:152 Resp: 43794
Ion Ratio Lower Upper
152 100
151 20.5 17.2 25.8
153 13.3 11.8 17.8



#11
Acenaphthene
Concen: 2.972 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.000 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:153 Resp: 29270
Ion Ratio Lower Upper
153 100
152 50.3 41.8 62.6
154 85.1 69.2 103.8

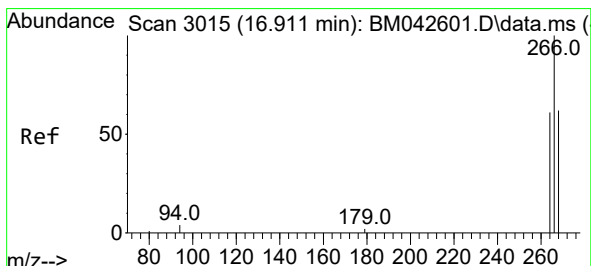
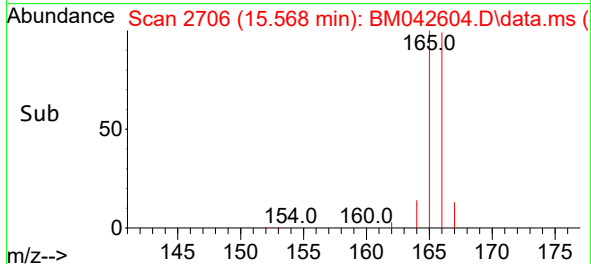
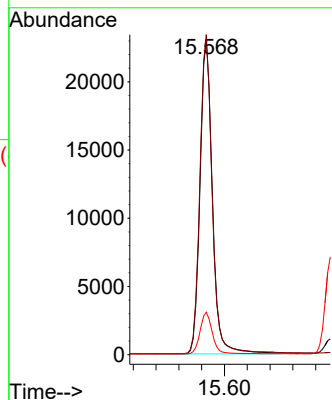
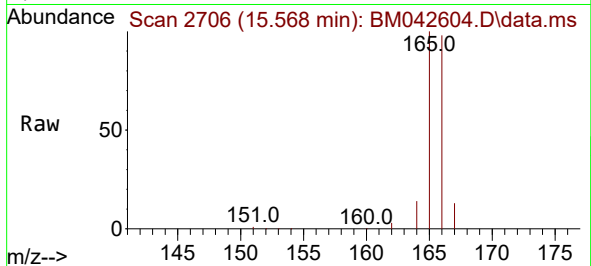




#12
 Fluorene
 Concen: 3.173 ng/ul
 RT: 15.568 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042604.D
 Acq: 07 Nov 2023 00:07

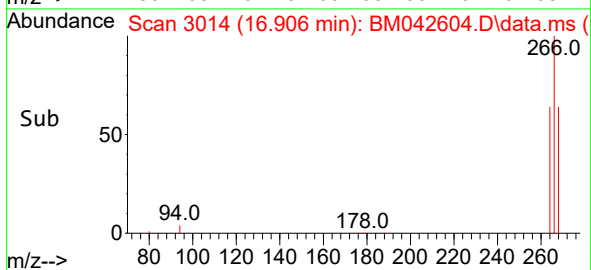
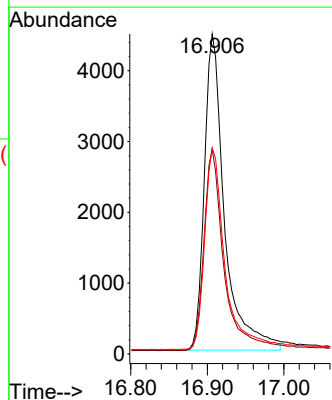
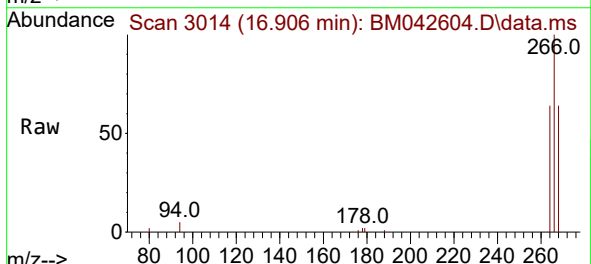
Instrument :
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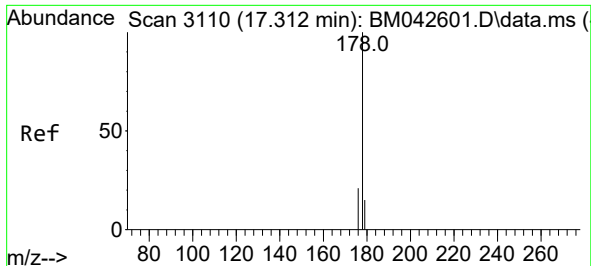
Tgt Ion:166 Resp: 34648
 Ion Ratio Lower Upper
 166 100
 165 101.6 81.2 121.8
 167 13.5 11.9 17.9



#14
 Pentachlorophenol
 Concen: 4.266 ng/ul
 RT: 16.906 min Scan# 3014
 Delta R.T. -0.004 min
 Lab File: BM042604.D
 Acq: 07 Nov 2023 00:07

Tgt Ion:266 Resp: 8197
 Ion Ratio Lower Upper
 266 100
 264 63.1 50.4 75.6
 268 64.2 54.8 82.2

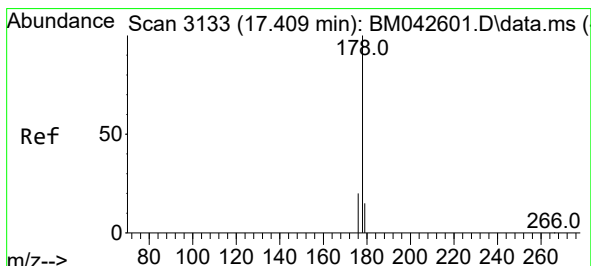
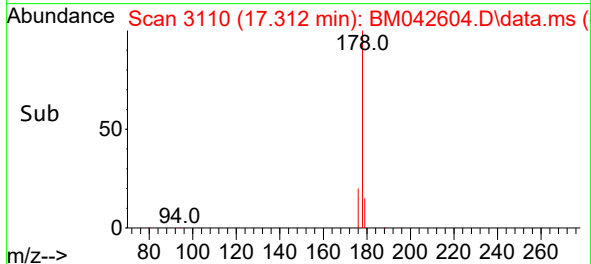
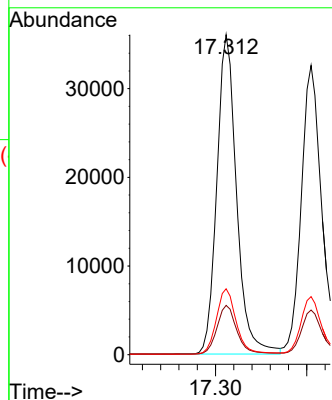
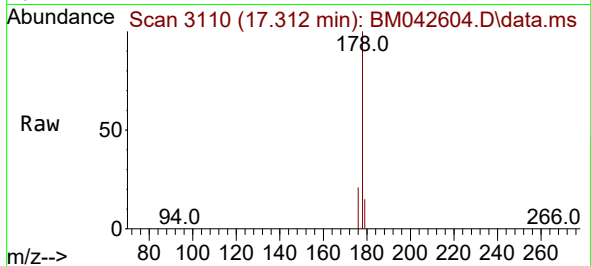




#15
Phenanthrene
Concen: 2.810 ng/ul
RT: 17.312 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

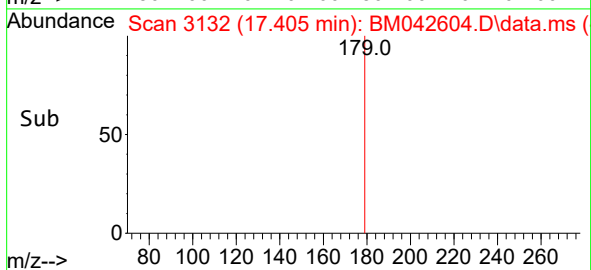
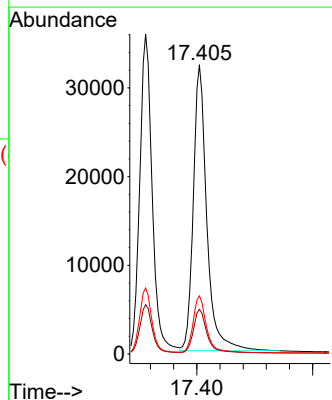
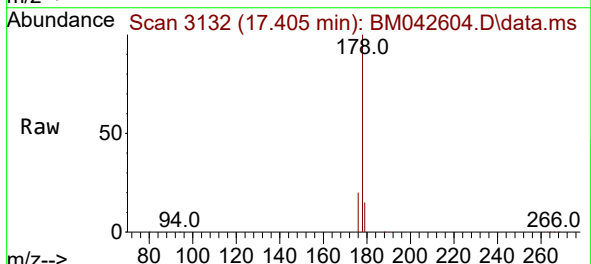
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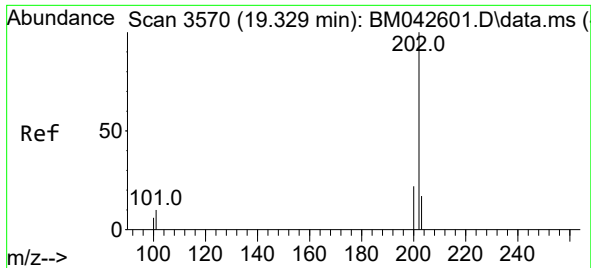
Tgt Ion:178 Resp: 53964
Ion Ratio Lower Upper
178 100
179 15.4 13.7 20.5
176 20.6 18.2 27.2



#16
Anthracene
Concen: 3.095 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.004 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:178 Resp: 52242
Ion Ratio Lower Upper
178 100
179 15.5 14.2 21.4
176 20.1 17.6 26.4

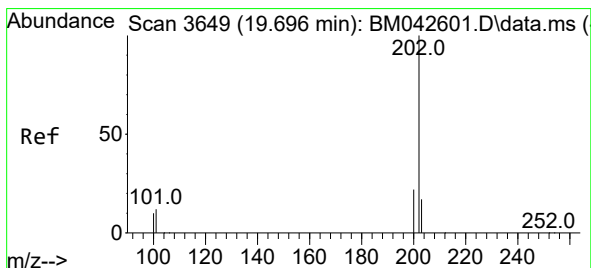
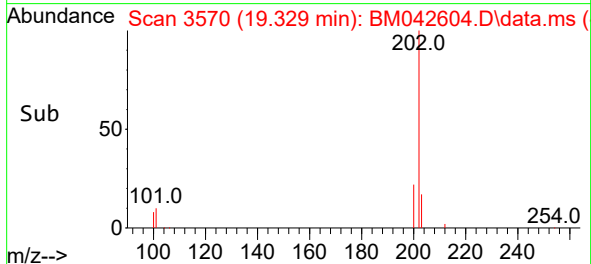
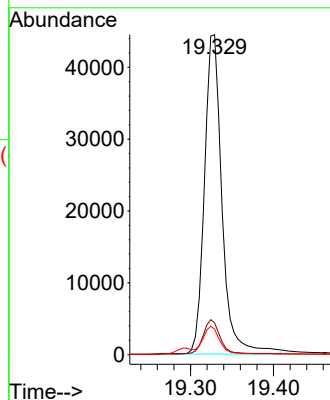
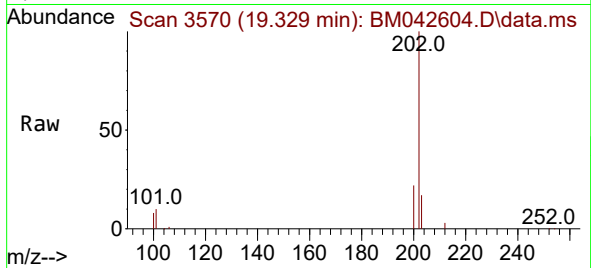




#19
Fluoranthene
Concen: 1.930 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. -0.000 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

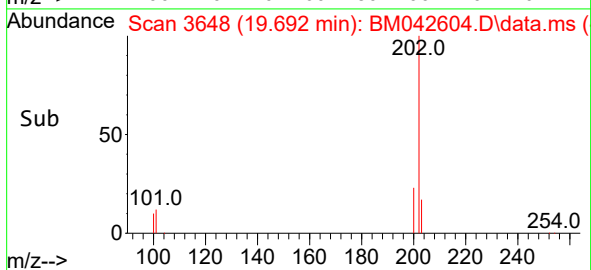
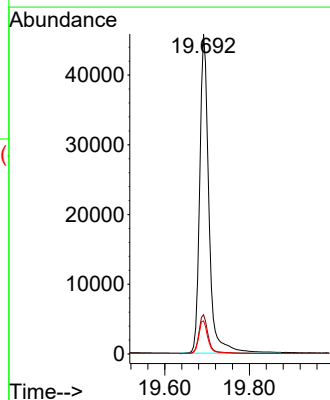
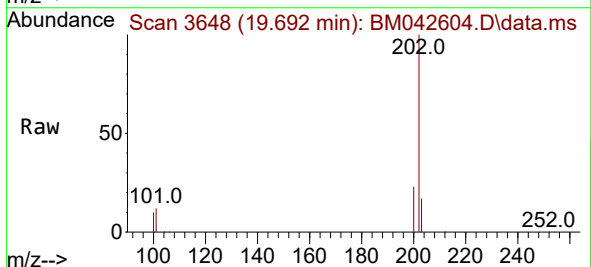
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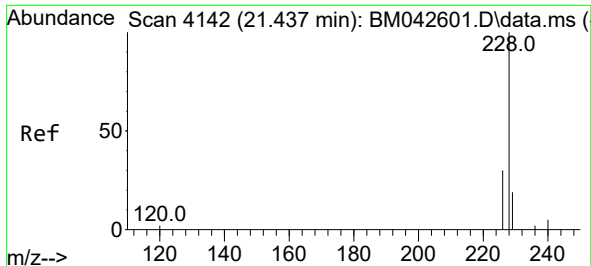
Tgt Ion:202 Resp: 65550
Ion Ratio Lower Upper
202 100
101 10.0 9.0 13.6
100 7.9 7.3 10.9



#20
Pyrene
Concen: 1.959 ng/ul
RT: 19.692 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:202 Resp: 69065
Ion Ratio Lower Upper
202 100
101 12.3 10.6 16.0
100 10.3 8.6 13.0

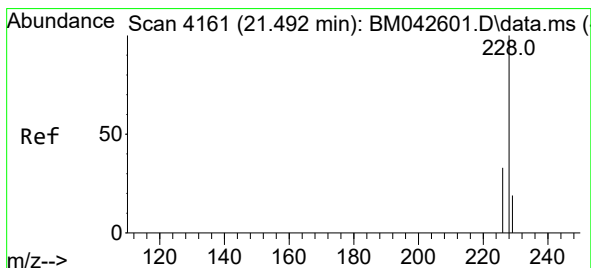
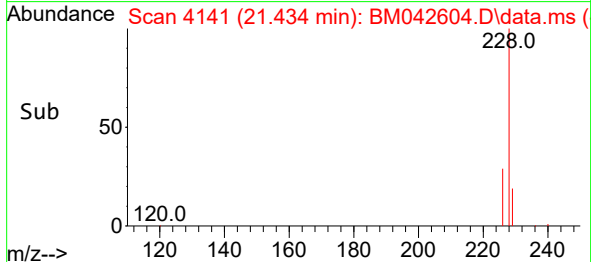
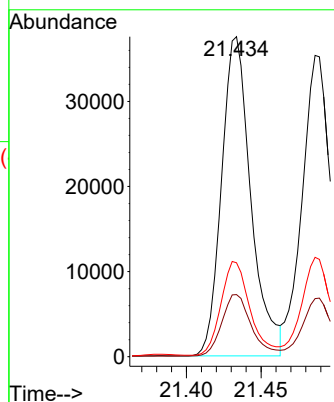
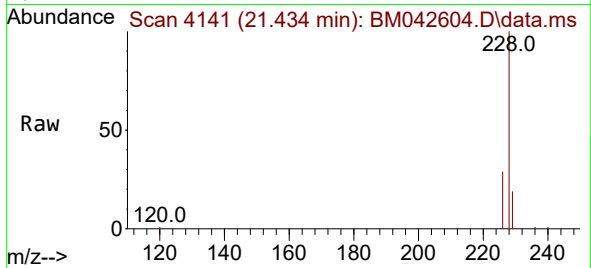




#21
Benzo(a)anthracene
Concen: 2.191 ng/ul
RT: 21.434 min Scan# 4142
Delta R.T. -0.003 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

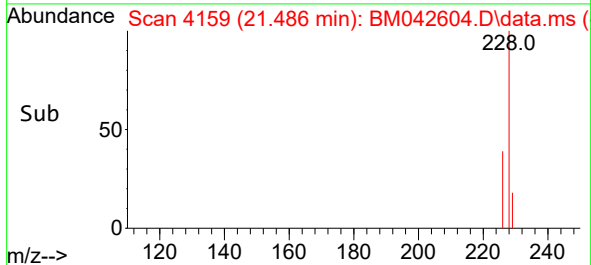
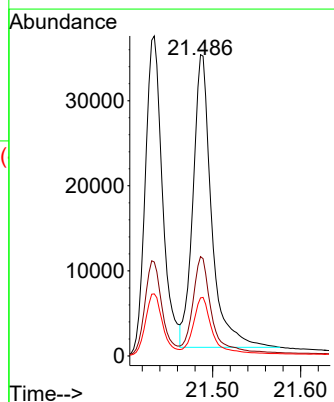
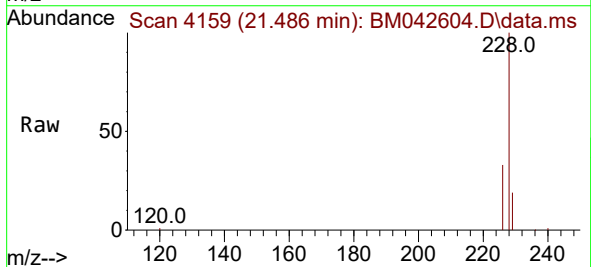
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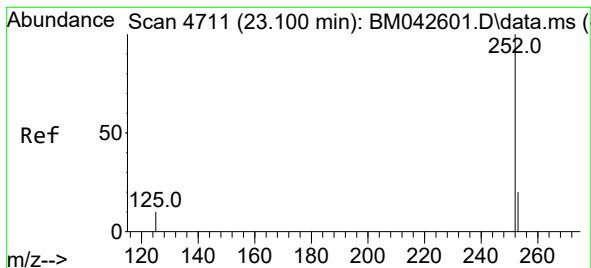
Tgt Ion:228 Resp: 51332
Ion Ratio Lower Upper
228 100
229 19.4 17.0 25.4
226 29.3 25.2 37.8



#22
Chrysene
Concen: 2.022 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. -0.006 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:228 Resp: 50387
Ion Ratio Lower Upper
228 100
226 33.0 27.4 41.0
229 19.3 17.0 25.6





#24

Benzo(b)fluoranthene

Concen: 1.897 ng/ul

RT: 23.097 min Scan# 4710

Delta R.T. -0.003 min

Lab File: BM042604.D

Acq: 07 Nov 2023 00:07

Instrument :

BNA_M

ClientSampleId :

SSTD3.2013

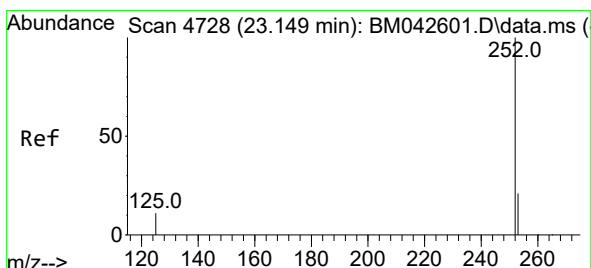
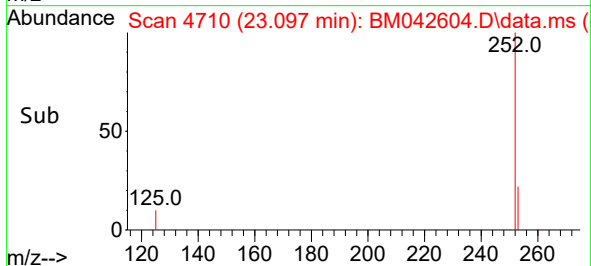
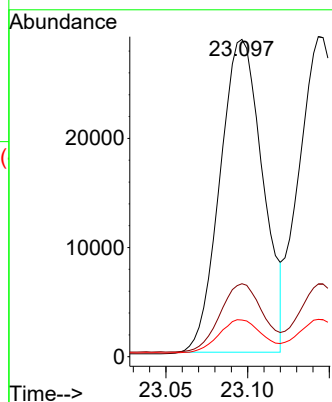
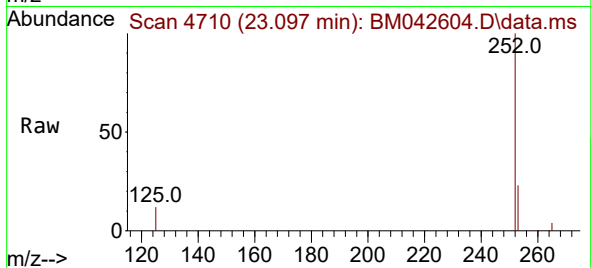
Tgt Ion:252 Resp: 52349

Ion Ratio Lower Upper

252 100

253 23.0 0.0 65.8

125 11.6 0.0 43.6



#25

Benzo(k)fluoranthene

Concen: 1.972 ng/ul

RT: 23.143 min Scan# 4726

Delta R.T. -0.006 min

Lab File: BM042604.D

Acq: 07 Nov 2023 00:07

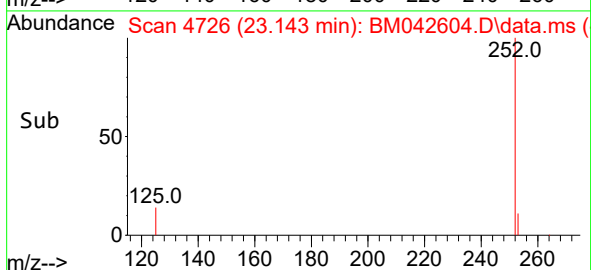
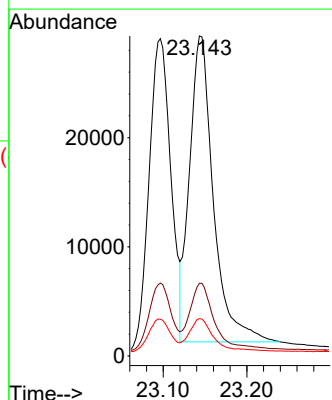
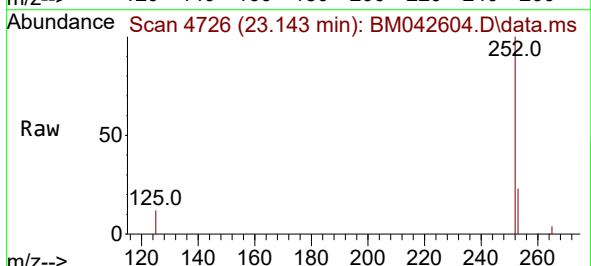
Tgt Ion:252 Resp: 55649

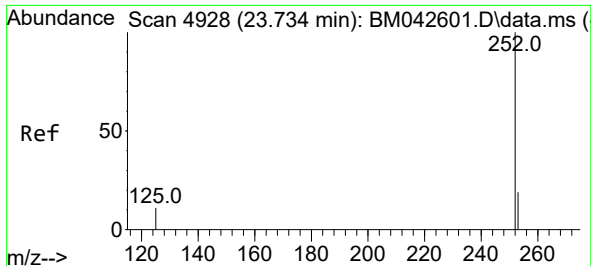
Ion Ratio Lower Upper

252 100

253 22.7 27.0 40.6#

125 11.7 17.5 26.3#

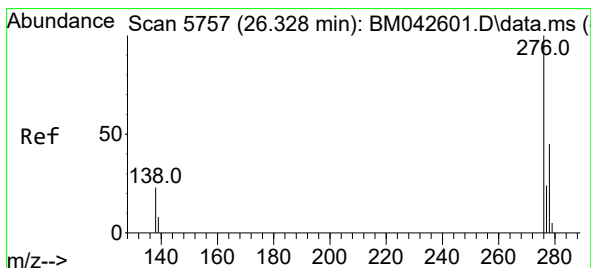
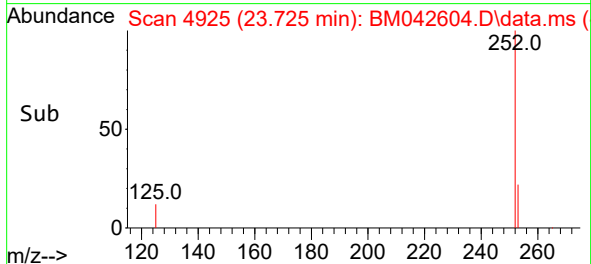
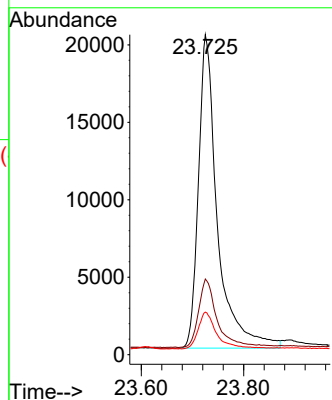
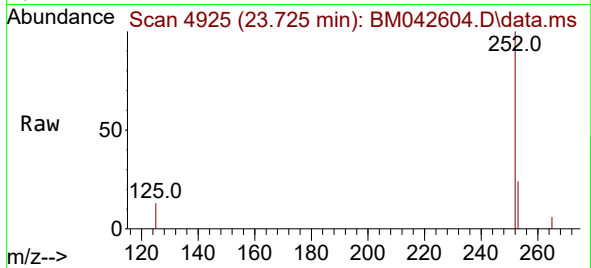




#26
Benzo(a)pyrene
Concen: 2.320 ng/ul
RT: 23.725 min Scan# 4925
Delta R.T. -0.009 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

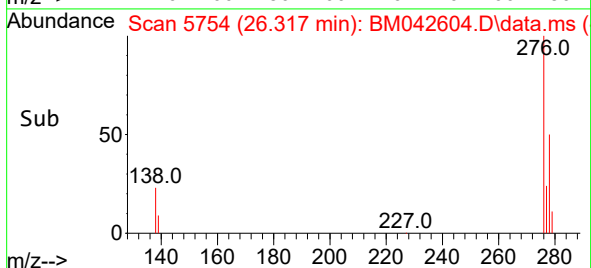
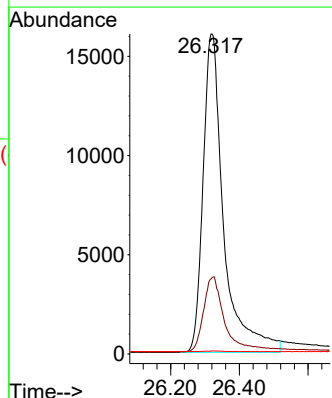
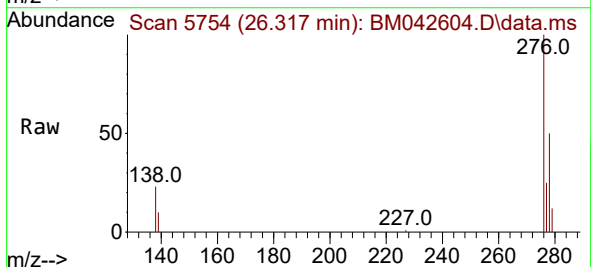
Instrument :
BNA_M
ClientSampleId :
SSTD3.2013

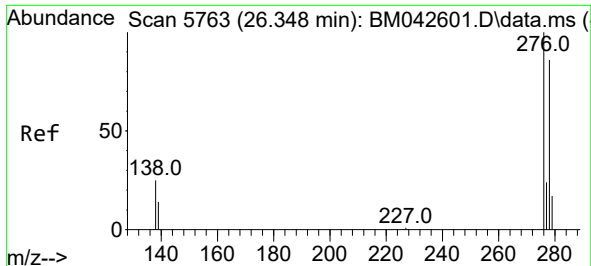
Tgt Ion:252 Resp: 52101
Ion Ratio Lower Upper
252 100
253 23.7 31.7 47.5#
125 13.3 22.1 33.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.281 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.010 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:276 Resp: 66793
Ion Ratio Lower Upper
276 100
138 24.5 20.7 31.1
227 0.2 0.1 0.1#

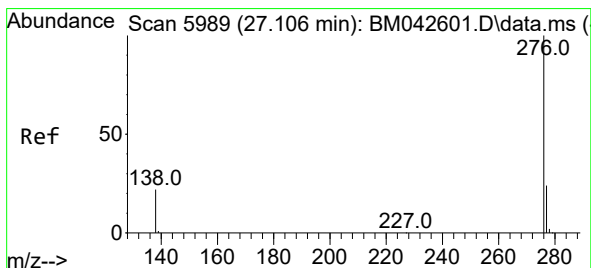
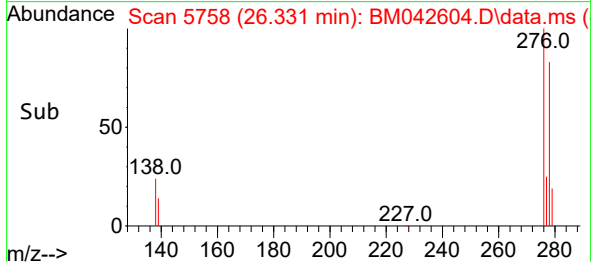
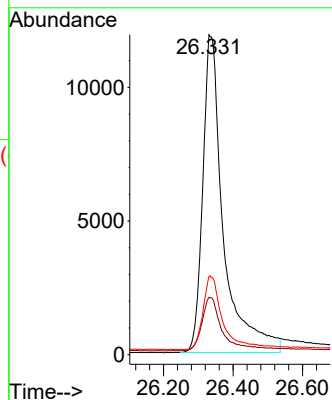
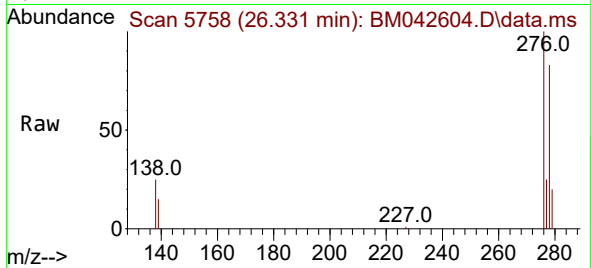




#28
Dibenzo(a,h)anthracene
Concen: 2.324 ng/ul
RT: 26.331 min Scan# 51
Delta R.T. -0.017 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Instrument :
BNA_M
ClientSampleId :
SSTD3.2013

Tgt Ion:278 Resp: 49176
Ion Ratio Lower Upper
278 100
139 18.0 24.3 36.5#
279 24.5 31.5 47.3#



#29
Benzo(g,h,i)perylene
Concen: 2.319 ng/ul
RT: 27.099 min Scan# 5987
Delta R.T. -0.007 min
Lab File: BM042604.D
Acq: 07 Nov 2023 00:07

Tgt Ion:276 Resp: 58149
Ion Ratio Lower Upper
276 100
138 21.6 22.3 33.5#
277 24.0 23.6 35.4

