

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071923\
 Data File : BM040962.D
 Acq On : 19 Jul 2023 19:00
 Operator : MA/JU
 Sample : SST0.194
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.1029

Quant Time: Jul 20 04:59:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 20 04:54:10 2023
 Response via : Initial Calibration

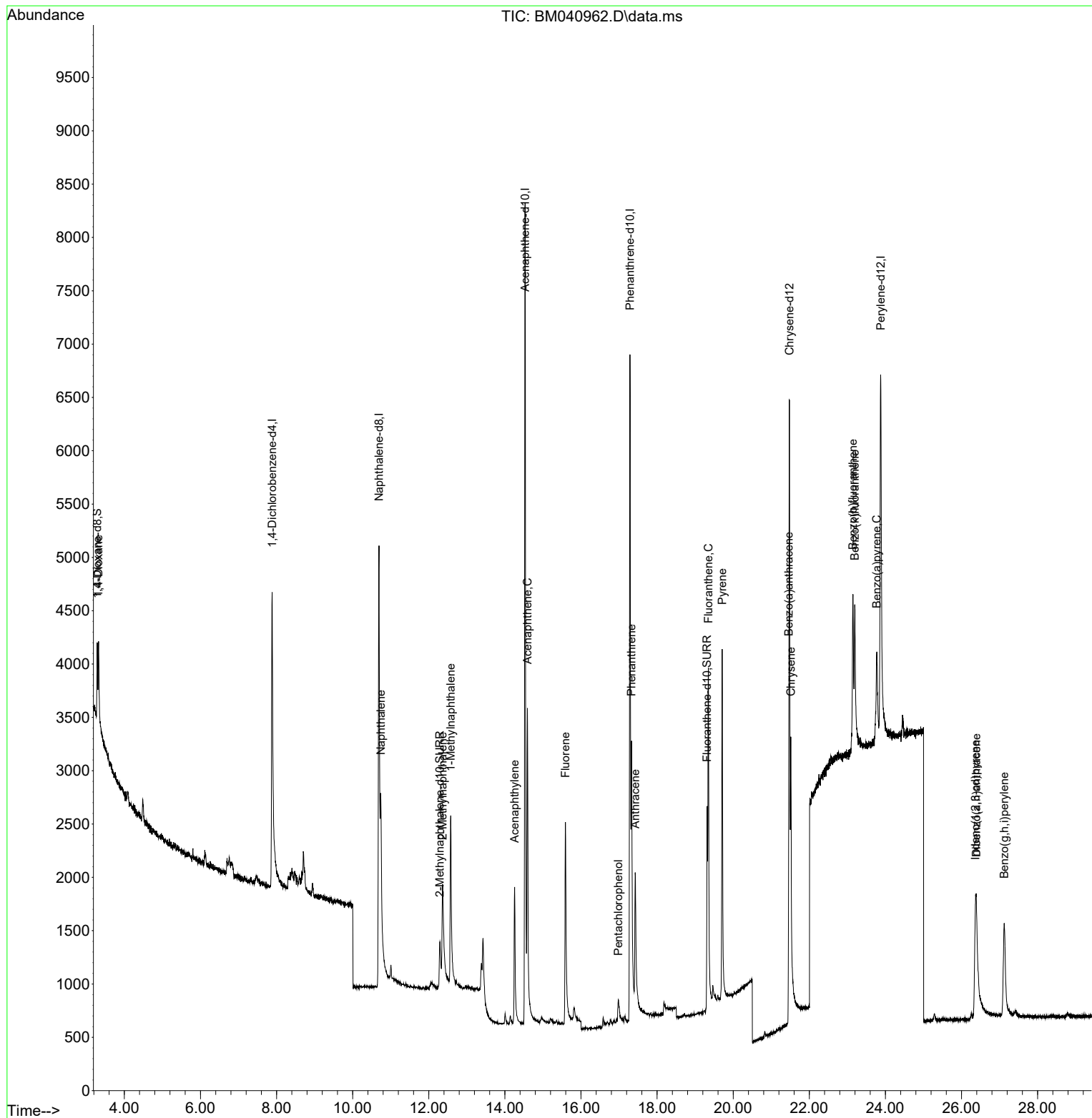
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	2613	0.400	ng/ul	0.00
4) Naphthalene-d8	10.691	136	9559	0.400	ng/ul #	0.01
9) Acenaphthene-d10	14.532	164	5096	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.286	188	9401	0.400	ng/ul	0.00
17) Chrysene-d12	21.477	240	6480	0.400	ng/ul	0.00
23) Perylene-d12	23.874	264	5897	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.288	96	526	0.128	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.291	152	1281	0.096	ng/ul	0.01
18) Fluoranthene-d10	19.315	212	2543	0.122	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.322	88	524	0.125	ng/ul#	75
5) Naphthalene	10.741	128	2683	0.102	ng/ul#	88
7) 2-Methylnaphthalene	12.363	142	1426	0.092	ng/ul	98
8) 1-Methylnaphthalene	12.577	142	1537	0.099	ng/ul	99
10) Acenaphthylene	14.254	152	2146	0.094	ng/ul#	91
11) Acenaphthene	14.592	153	1930	0.100	ng/ul	96
12) Fluorene	15.591	166	1938	0.094	ng/ul#	98
14) Pentachlorophenol	16.978	266	277	0.153	ng/ul	93
15) Phenanthrene	17.329	178	2894	0.099	ng/ul#	91
16) Anthracene	17.426	178	2169	0.088	ng/ul#	88
19) Fluoranthene	19.348	202	3186	0.116	ng/ul#	94
20) Pyrene	19.710	202	3432	0.116	ng/ul#	92
21) Benzo(a)anthracene	21.463	228	2025	0.092	ng/ul	95
22) Chrysene	21.515	228	2300	0.092	ng/ul	96
24) Benzo(b)fluoranthene	23.146	252	2255	0.099	ng/ul#	55
25) Benzo(k)fluoranthene	23.196	252	2083	0.093	ng/ul#	52
26) Benzo(a)pyrene	23.772	252	2063	0.100	ng/ul#	43
27) Indeno(1,2,3-cd)pyrene	26.364	276	2611	0.091	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.391	278	1949	0.087	ng/ul#	61
29) Benzo(g,h,i)perylene	27.122	276	2462	0.098	ng/ul#	82

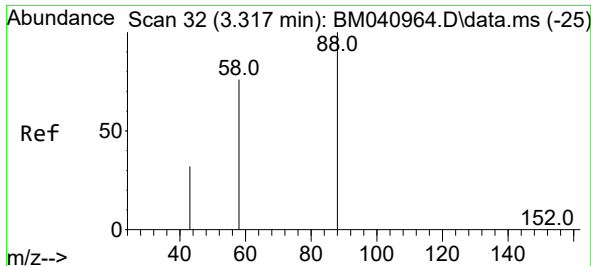
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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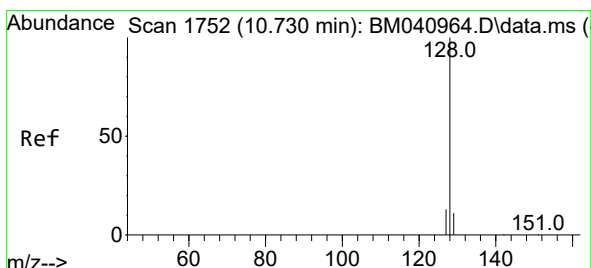
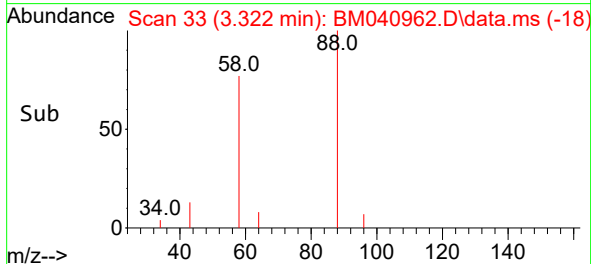
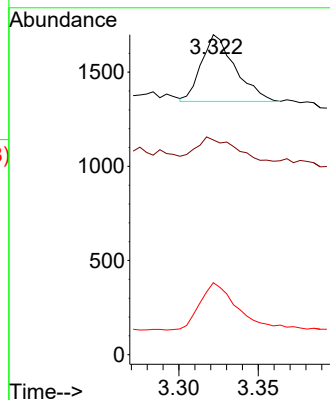
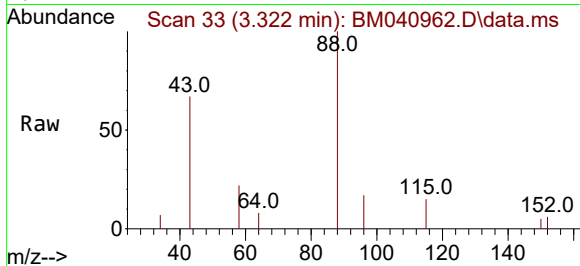




#2
1,4-Dioxane
Concen: 0.125 ng/ul
RT: 3.322 min Scan# 31
Delta R.T. 0.004 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

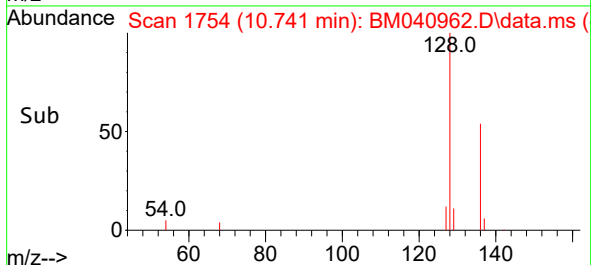
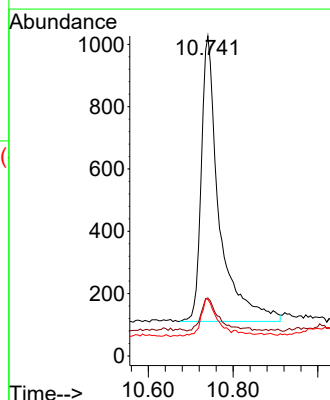
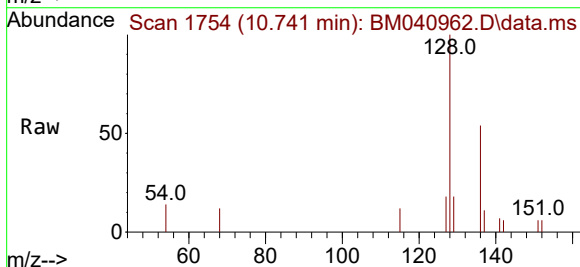
Instrument :
BNA_M
ClientSampleId :
SSTD0.1029

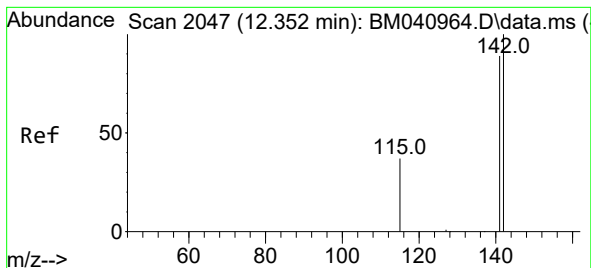
Tgt Ion: 88 Resp: 524
Ion Ratio Lower Upper
88 100
43 67.1 46.7 70.1
58 22.5 40.3 60.5#



#5
Naphthalene
Concen: 0.102 ng/ul
RT: 10.741 min Scan# 1754
Delta R.T. 0.011 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion: 128 Resp: 2683
Ion Ratio Lower Upper
128 100
129 18.1 9.8 14.8#
127 17.6 11.0 16.4#





#7

2-Methylnaphthalene

Concen: 0.092 ng/ul

RT: 12.363 min Scan# 2049

Delta R.T. 0.011 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

Instrument :

BNA_M

ClientSampleId :

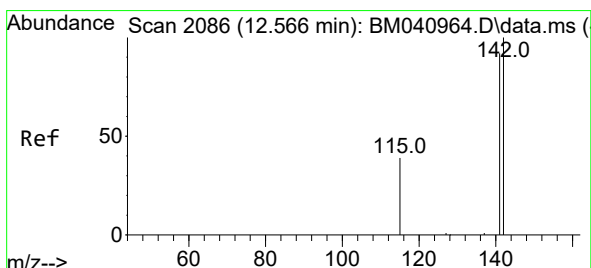
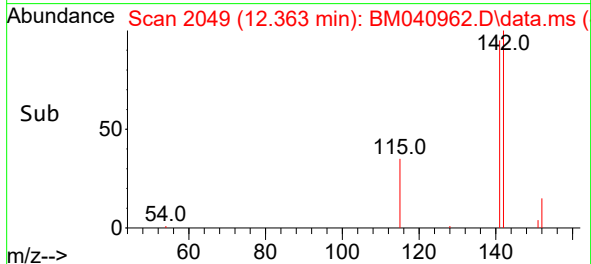
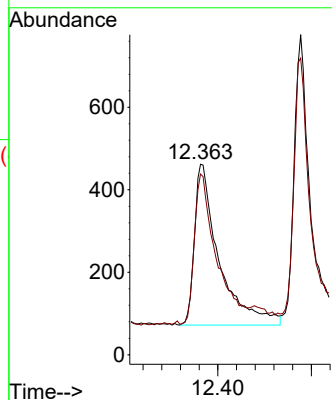
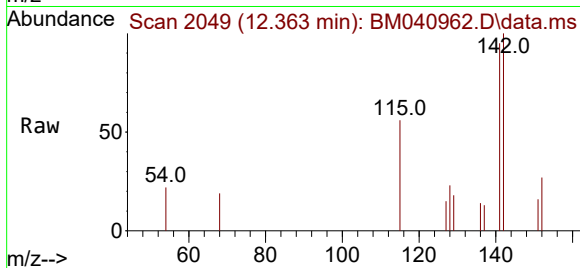
SSTD0.1029

Tgt Ion:142 Resp: 1426

Ion Ratio Lower Upper

142 100

141 93.8 73.2 109.8



#8

1-Methylnaphthalene

Concen: 0.099 ng/ul

RT: 12.577 min Scan# 2088

Delta R.T. 0.011 min

Lab File: BM040962.D

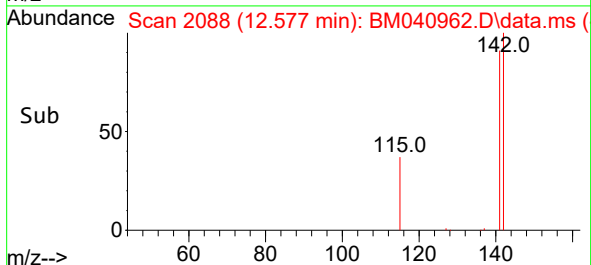
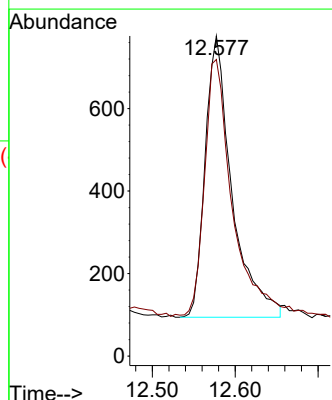
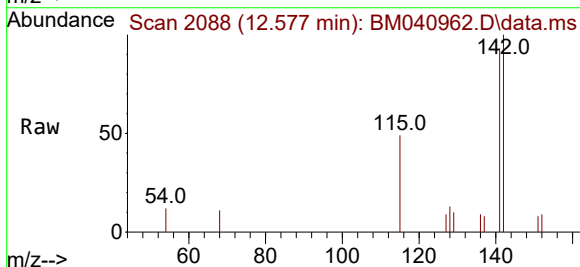
Acq: 19 Jul 2023 19:00

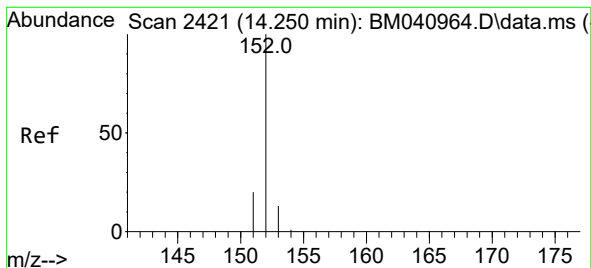
Tgt Ion:142 Resp: 1537

Ion Ratio Lower Upper

142 100

141 92.7 73.4 110.2





#10

Acenaphthylene

Concen: 0.094 ng/ul

RT: 14.254 min Scan# 2421

Delta R.T. 0.005 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.1029

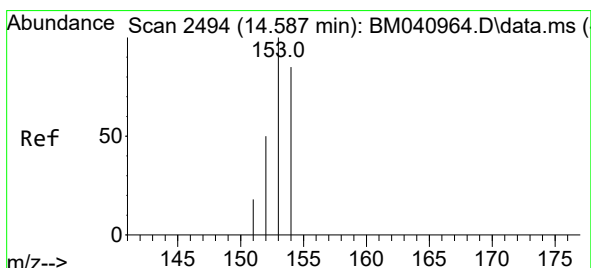
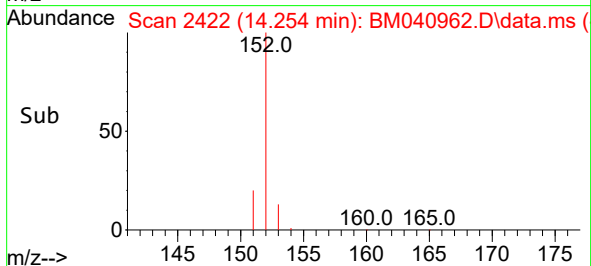
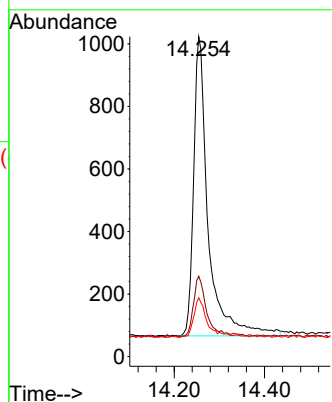
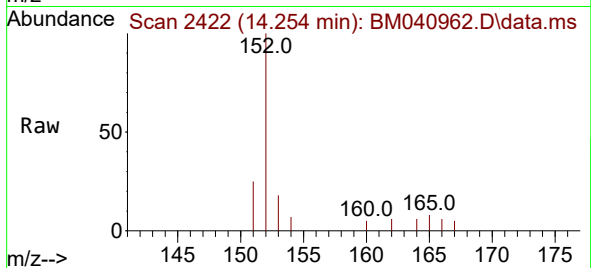
Tgt Ion:152 Resp: 2146

Ion Ratio Lower Upper

152 100

151 25.1 16.8 25.2

153 18.4 11.6 17.4#



#11

Acenaphthene

Concen: 0.100 ng/ul

RT: 14.592 min Scan# 2495

Delta R.T. 0.005 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

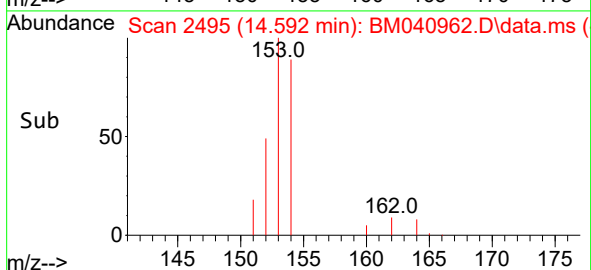
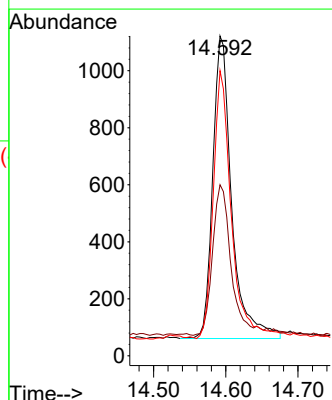
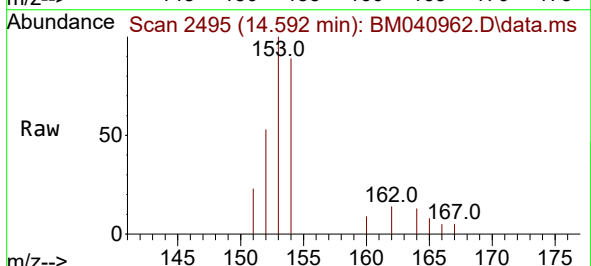
Tgt Ion:153 Resp: 1930

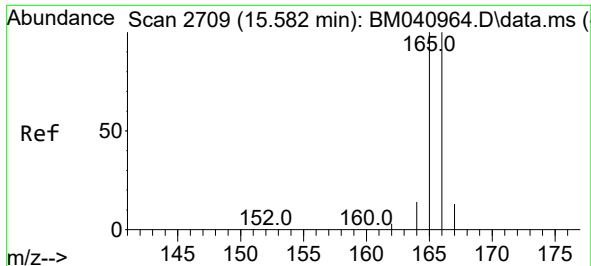
Ion Ratio Lower Upper

153 100

152 53.5 41.0 61.6

154 89.1 68.2 102.2

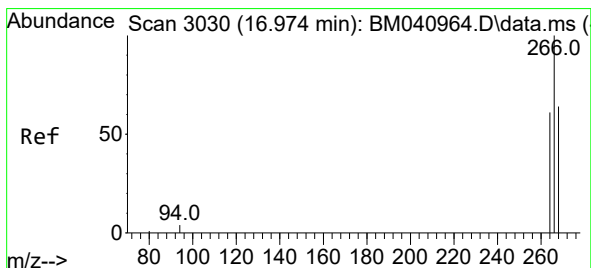
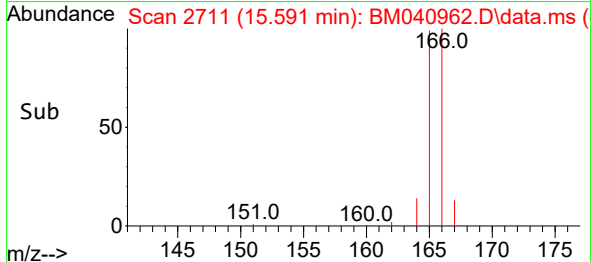
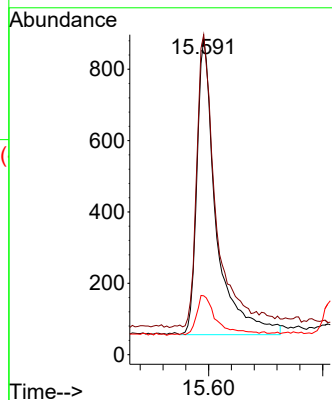
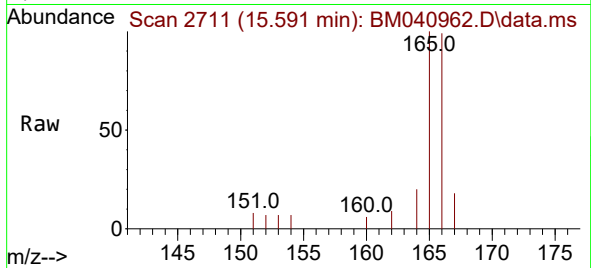




#12
Fluorene
Concen: 0.094 ng/ul
RT: 15.591 min Scan# 21
Delta R.T. 0.009 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

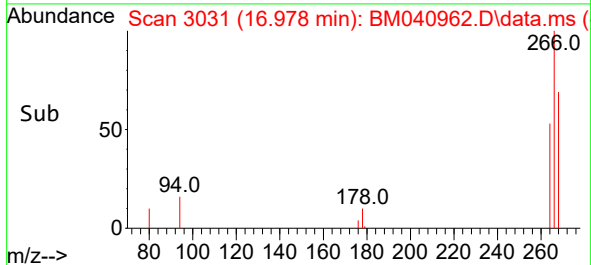
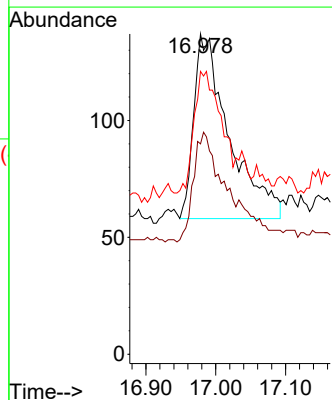
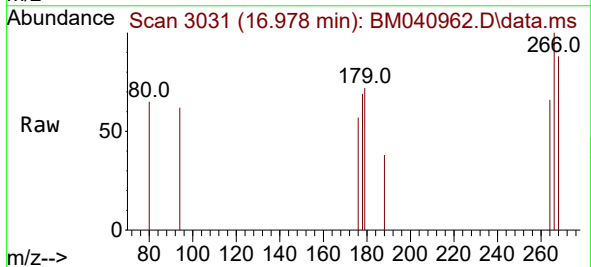
Instrument :
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ClientSampleId :
SSTD0.1029

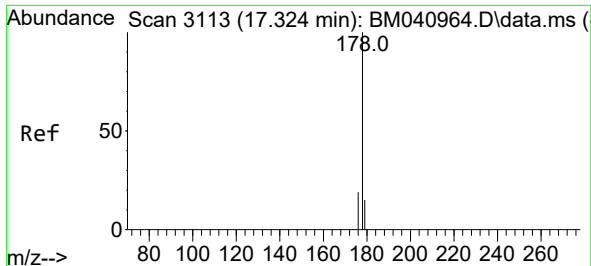
Tgt Ion:166 Resp: 1938
Ion Ratio Lower Upper
166 100
165 101.4 80.3 120.5
167 18.6 11.7 17.5#



#14
Pentachlorophenol
Concen: 0.153 ng/ul
RT: 16.978 min Scan# 3031
Delta R.T. 0.004 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion:266 Resp: 277
Ion Ratio Lower Upper
266 100
264 59.2 50.7 76.1
268 58.8 52.8 79.2

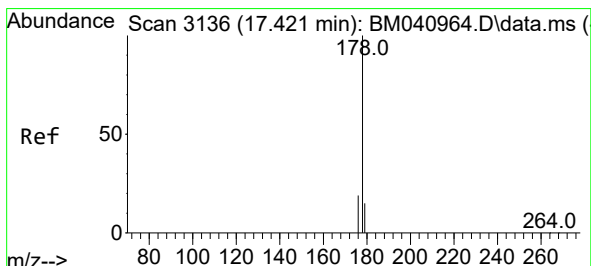
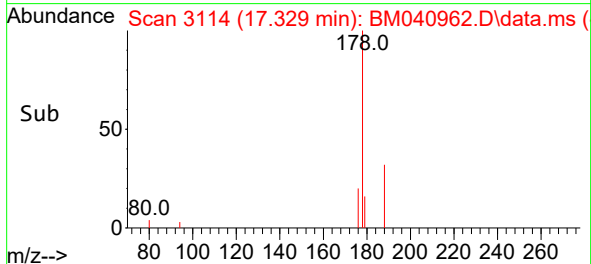
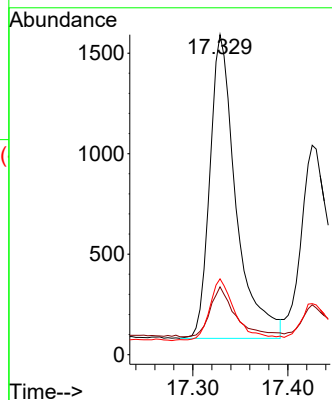
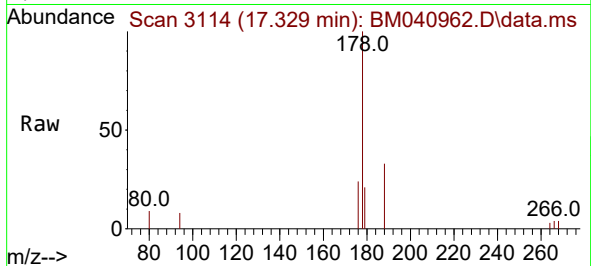




#15
Phenanthrene
Concen: 0.099 ng/ul
RT: 17.329 min Scan# 3113
Delta R.T. 0.004 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

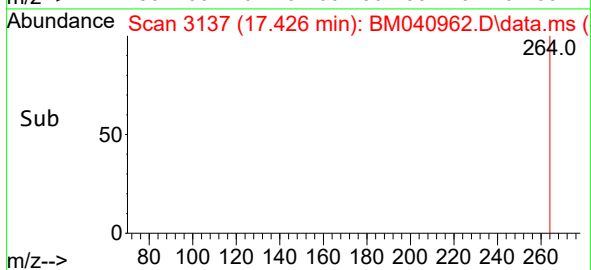
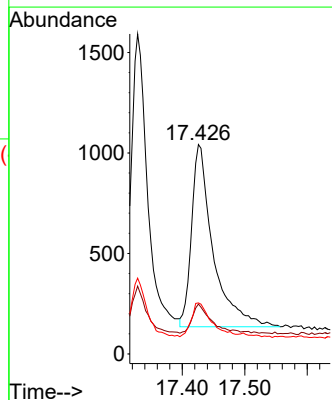
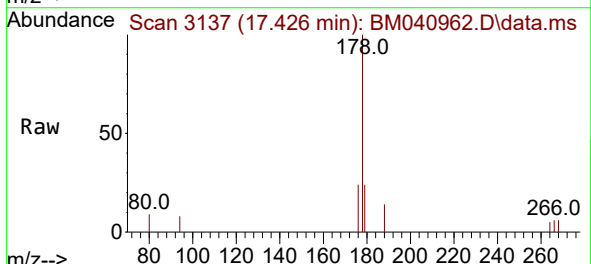
Instrument :
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ClientSampleId :
SSTD0.1029

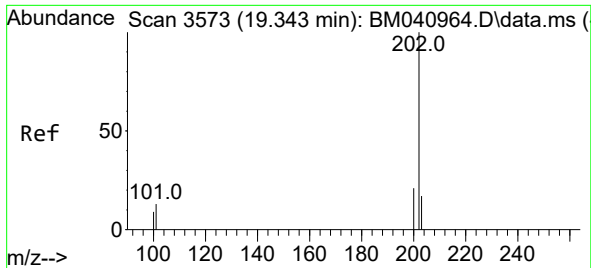
Tgt Ion:178 Resp: 2894
Ion Ratio Lower Upper
178 100
179 21.2 13.0 19.6#
176 23.7 16.2 24.4



#16
Anthracene
Concen: 0.088 ng/ul
RT: 17.426 min Scan# 3137
Delta R.T. 0.004 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion:178 Resp: 2169
Ion Ratio Lower Upper
178 100
179 23.8 13.7 20.5#
176 24.4 16.4 24.6

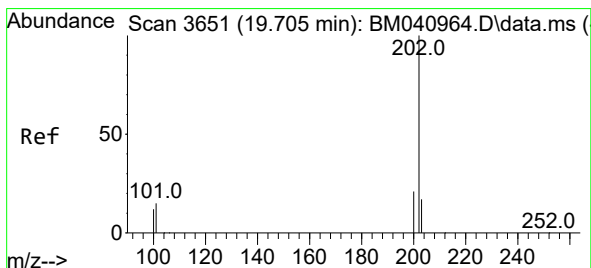
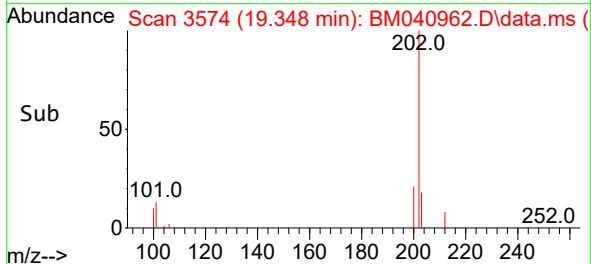
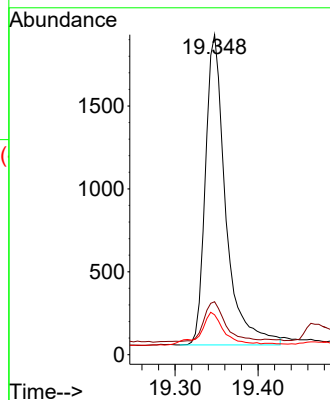
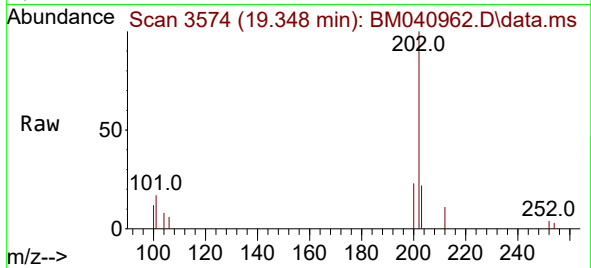




#19
Fluoranthene
Concen: 0.116 ng/ul
RT: 19.348 min Scan# 3574
Delta R.T. 0.005 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

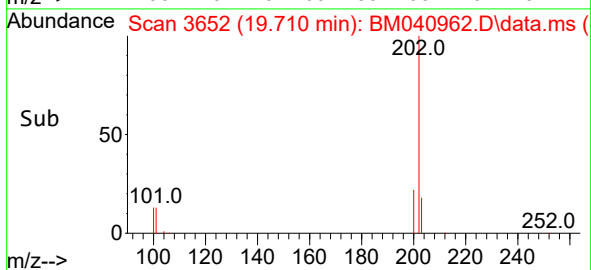
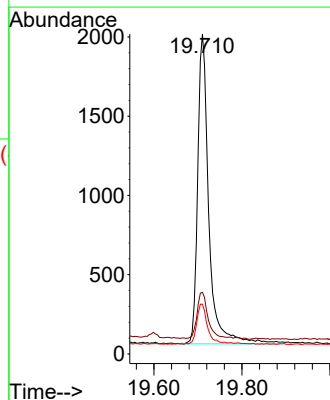
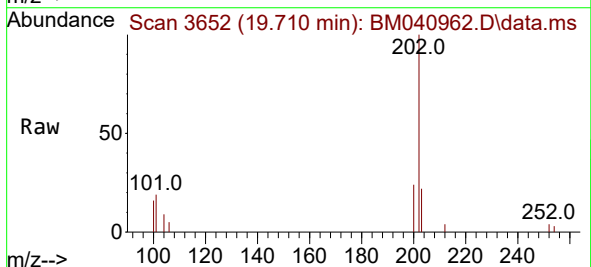
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SSTD0.1029

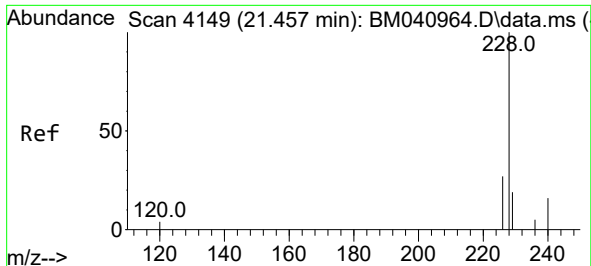
Tgt Ion:202 Resp: 3186
Ion Ratio Lower Upper
202 100
101 16.5 11.0 16.4#
100 12.4 8.3 12.5



#20
Pyrene
Concen: 0.116 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. 0.005 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion:202 Resp: 3432
Ion Ratio Lower Upper
202 100
101 19.2 12.5 18.7#
100 15.6 10.0 15.0#

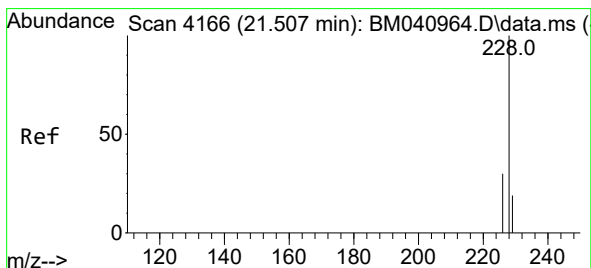
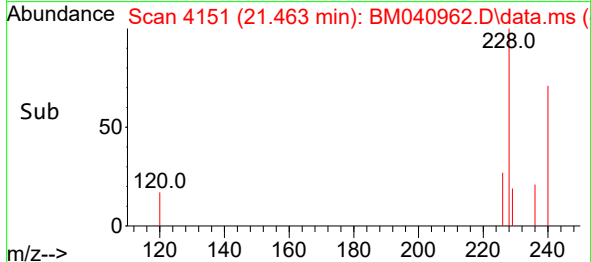
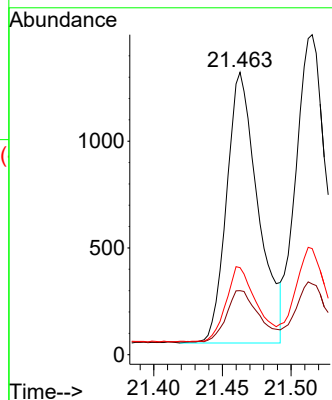
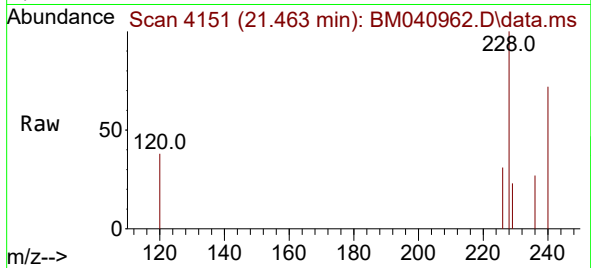




#21
Benzo(a)anthracene
Concen: 0.092 ng/ul
RT: 21.463 min Scan# 4151
Delta R.T. 0.006 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

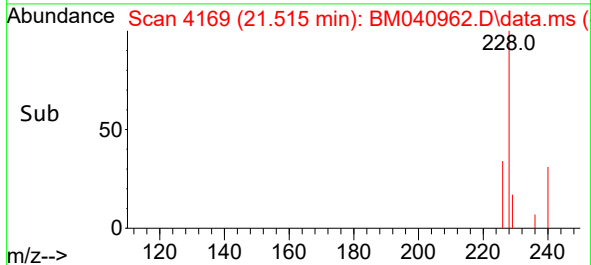
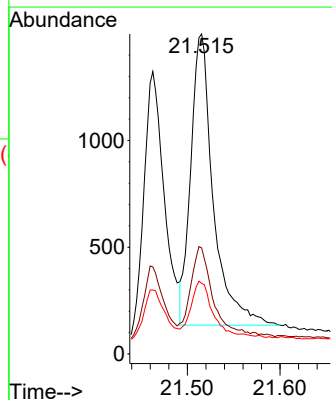
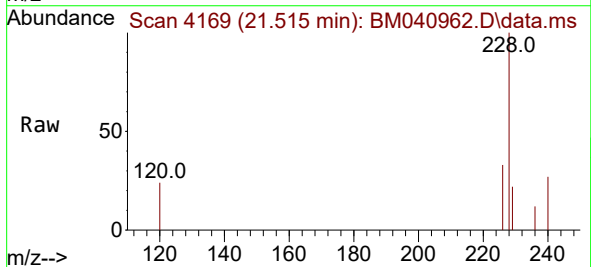
Instrument :
BNA_M
ClientSampleId :
SSTD0.1029

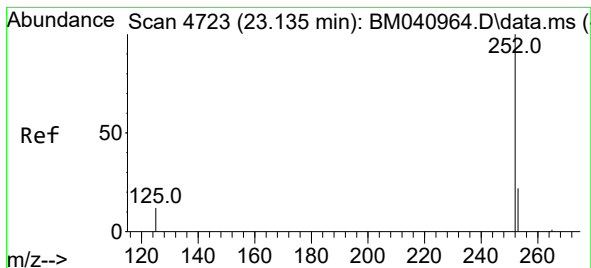
Tgt Ion:228 Resp: 2025
Ion Ratio Lower Upper
228 100
229 22.7 16.2 24.4
226 30.8 22.3 33.5



#22
Chrysene
Concen: 0.092 ng/ul
RT: 21.515 min Scan# 4169
Delta R.T. 0.009 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion:228 Resp: 2300
Ion Ratio Lower Upper
228 100
226 33.2 24.6 37.0
229 22.1 16.1 24.1





#24

Benzo(b)fluoranthene

Concen: 0.099 ng/ul

RT: 23.146 min Scan# 4727

Delta R.T. 0.012 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.1029

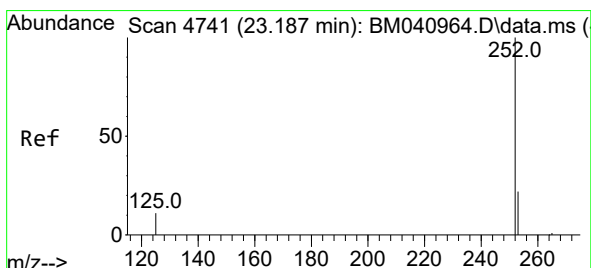
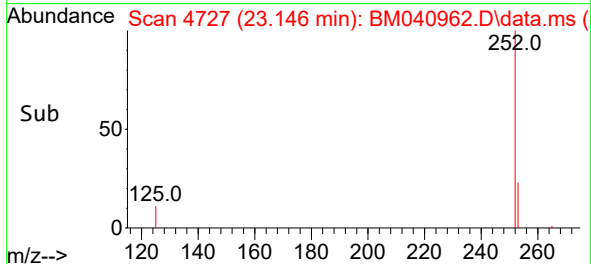
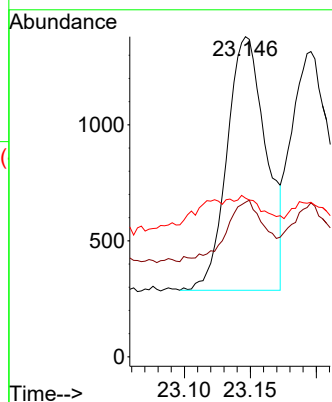
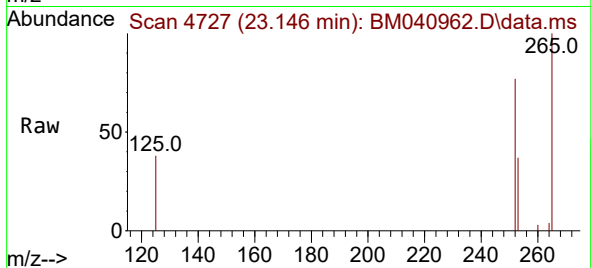
Tgt Ion:252 Resp: 2255

Ion Ratio Lower Upper

252 100

253 48.3 0.0 57.4

125 49.6 0.0 45.2#



#25

Benzo(k)fluoranthene

Concen: 0.093 ng/ul

RT: 23.196 min Scan# 4744

Delta R.T. 0.009 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

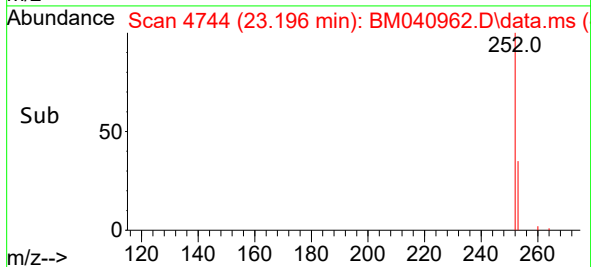
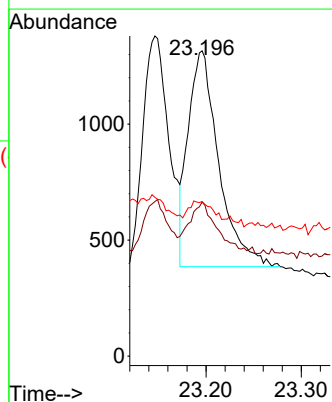
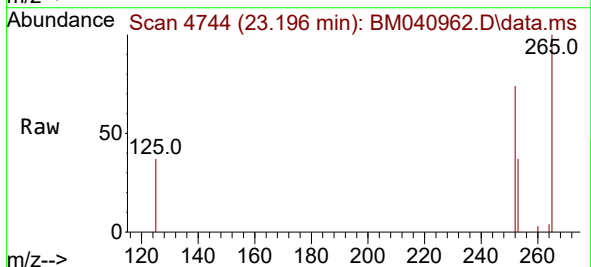
Tgt Ion:252 Resp: 2083

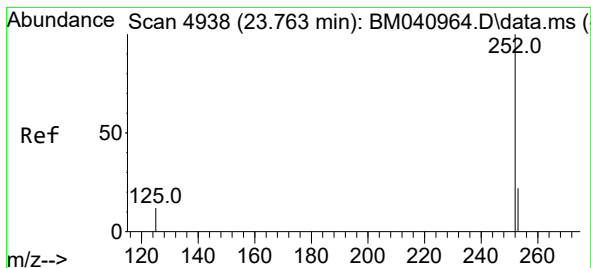
Ion Ratio Lower Upper

252 100

253 50.5 23.3 34.9#

125 50.6 18.2 27.2#





#26

Benzo(a)pyrene

Concen: 0.100 ng/ul

RT: 23.772 min Scan# 4938

Delta R.T. 0.009 min

Lab File: BM040962.D

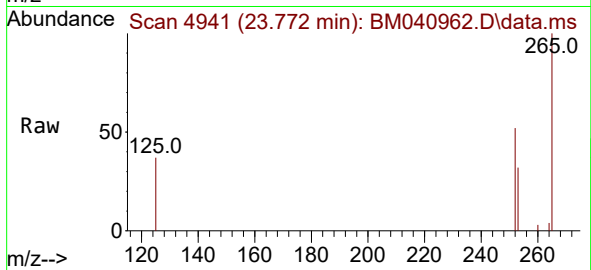
Acq: 19 Jul 2023 19:00

Instrument :

BNA_M

ClientSampleId :

SSTD0.1029



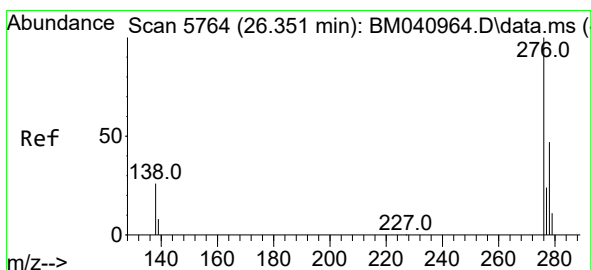
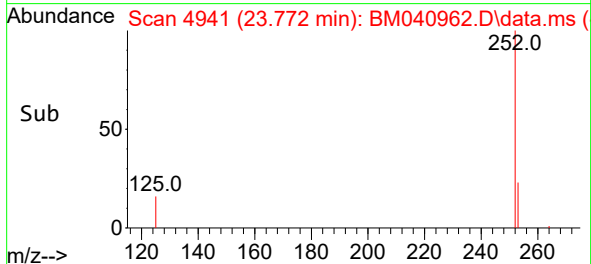
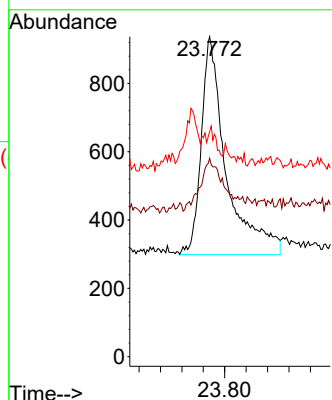
Tgt Ion:252 Resp: 2063

Ion Ratio Lower Upper

252 100

253 62.0 28.2 42.2#

125 70.3 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng/ul

RT: 26.364 min Scan# 5768

Delta R.T. 0.013 min

Lab File: BM040962.D

Acq: 19 Jul 2023 19:00

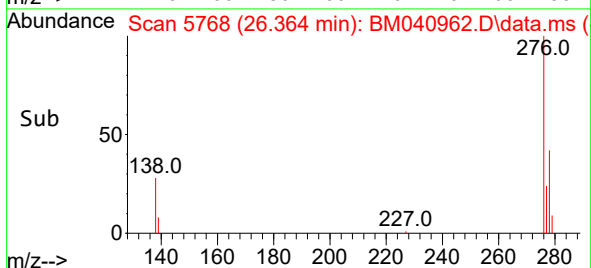
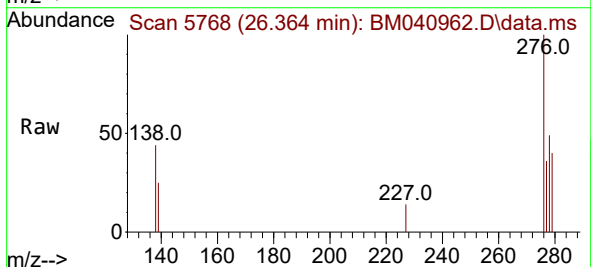
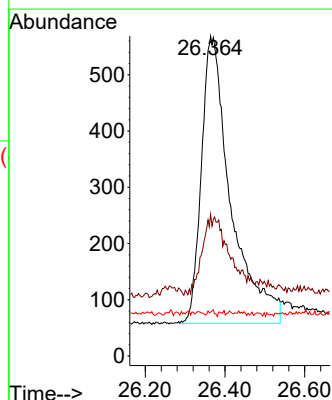
Tgt Ion:276 Resp: 2611

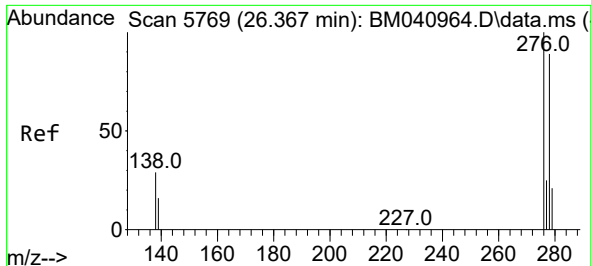
Ion Ratio Lower Upper

276 100

138 26.4 22.3 33.5

227 0.5 0.0 0.0#

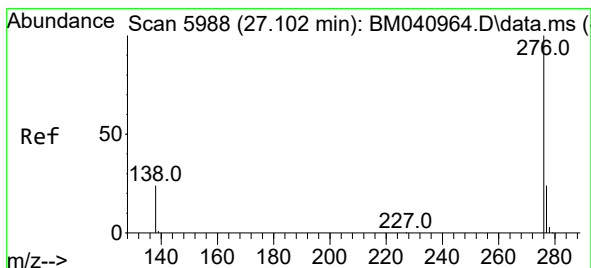
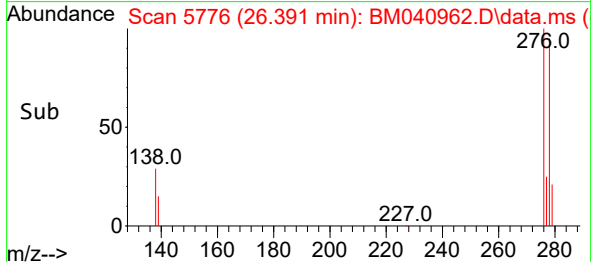
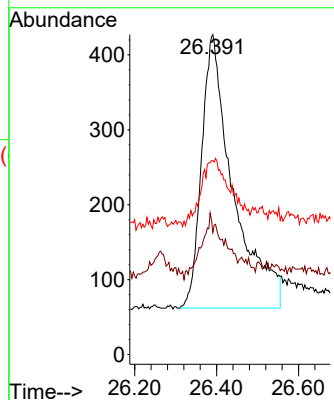
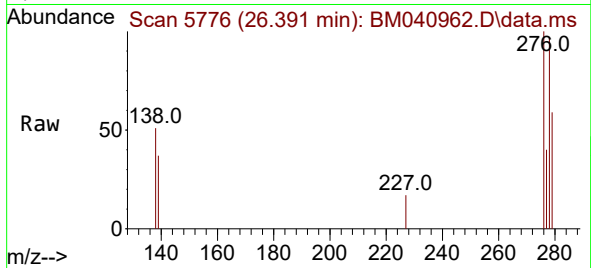




#28
Dibenzo(a,h)anthracene
Concen: 0.087 ng/ul
RT: 26.391 min Scan# 51
Delta R.T. 0.024 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Instrument :
BNA_M
ClientSampleId :
SSTD0.1029

Tgt Ion:278 Resp: 1949
Ion Ratio Lower Upper
278 100
139 38.2 19.2 28.8#
279 60.7 27.0 40.6#



#29
Benzo(g,h,i)perylene
Concen: 0.098 ng/ul
RT: 27.122 min Scan# 5994
Delta R.T. 0.020 min
Lab File: BM040962.D
Acq: 19 Jul 2023 19:00

Tgt Ion:276 Resp: 2462
Ion Ratio Lower Upper
276 100
138 38.5 22.6 34.0#
277 34.6 21.2 31.8#

