

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071923\
 Data File : BM040963.D
 Acq On : 19 Jul 2023 19:37
 Operator : MA/JU
 Sample : SST0.295
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.2030

Quant Time: Jul 20 05:00:09 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

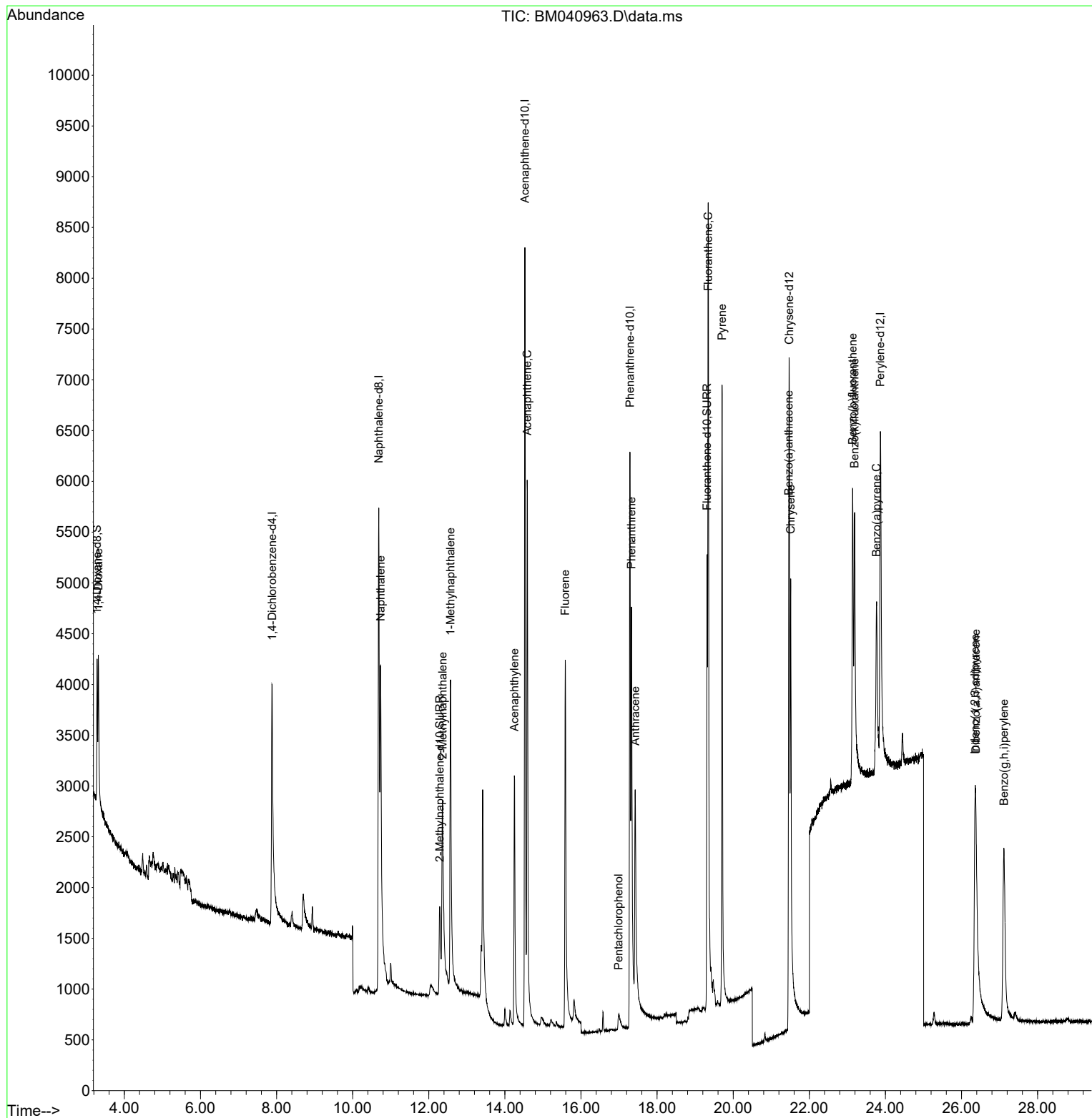
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	2525	0.400	ng/ul	0.00
4) Naphthalene-d8	10.686	136	10661	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.527	164	4941	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.286	188	8686	0.400	ng/ul	0.00
17) Chrysene-d12	21.474	240	6398	0.400	ng/ul	0.00
23) Perylene-d12	23.868	264	5836	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	939	0.237	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.286	152	2415	0.162	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	6243	0.304	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	1041	0.258	ng/ul#	85
5) Naphthalene	10.735	128	5752	0.196	ng/ul	96
7) 2-Methylnaphthalene	12.363	142	2746	0.159	ng/ul	99
8) 1-Methylnaphthalene	12.572	142	2976	0.172	ng/ul	98
10) Acenaphthylene	14.250	152	4073	0.185	ng/ul	97
11) Acenaphthene	14.587	153	3649	0.196	ng/ul	99
12) Fluorene	15.587	166	3638	0.183	ng/ul	99
14) Pentachlorophenol	16.991	266	292	0.175	ng/ul	98
15) Phenanthrene	17.329	178	5255	0.195	ng/ul	97
16) Anthracene	17.426	178	3929	0.173	ng/ul	95
19) Fluoranthene	19.343	202	7872	0.290	ng/ul	98
20) Pyrene	19.705	202	6444	0.221	ng/ul	96
21) Benzo(a)anthracene	21.460	228	3718	0.172	ng/ul	98
22) Chrysene	21.509	228	4465	0.181	ng/ul	98
24) Benzo(b)fluoranthene	23.140	252	4353	0.193	ng/ul	82
25) Benzo(k)fluoranthene	23.190	252	4012	0.180	ng/ul#	82
26) Benzo(a)pyrene	23.769	252	3771	0.185	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.354	276	5133	0.181	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.374	278	3791	0.171	ng/ul#	84
29) Benzo(g,h,i)perylene	27.115	276	4802	0.193	ng/ul	94

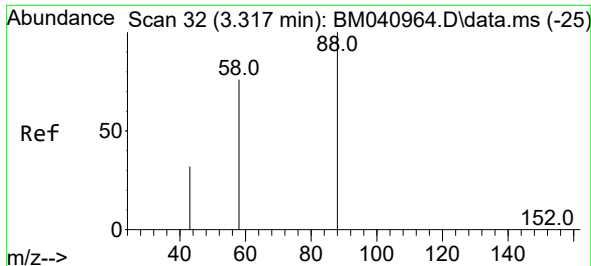
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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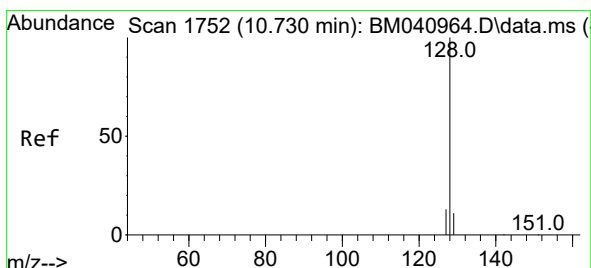
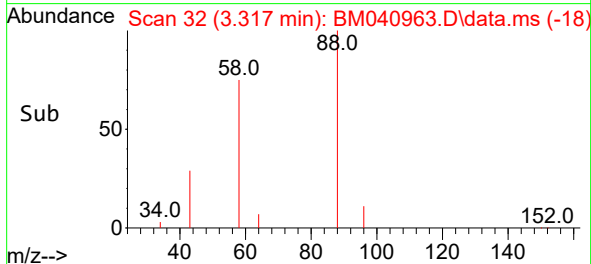
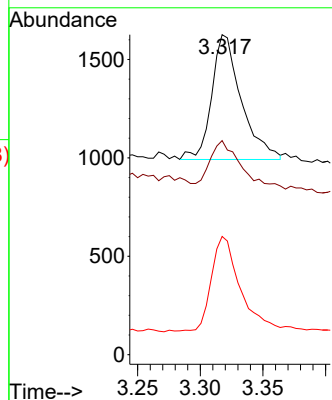
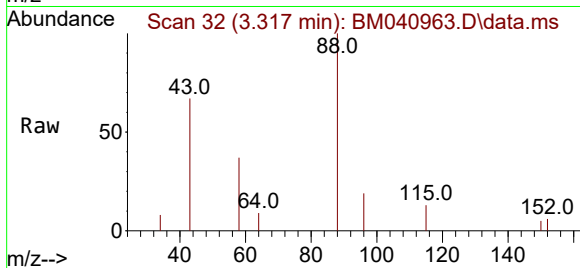




#2
1,4-Dioxane
Concen: 0.258 ng/ul
RT: 3.317 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

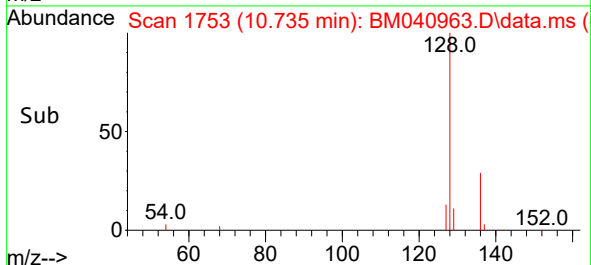
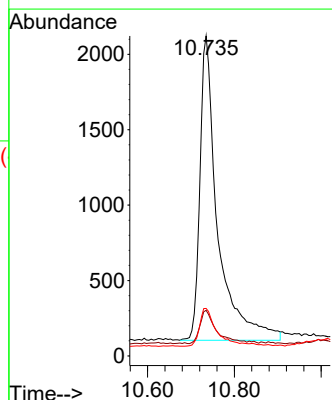
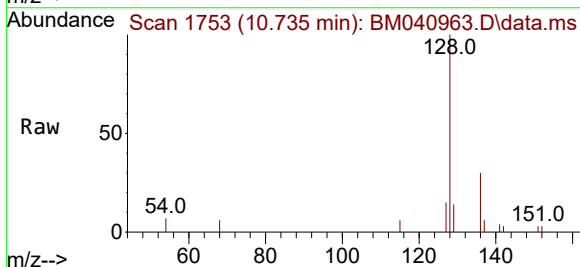
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

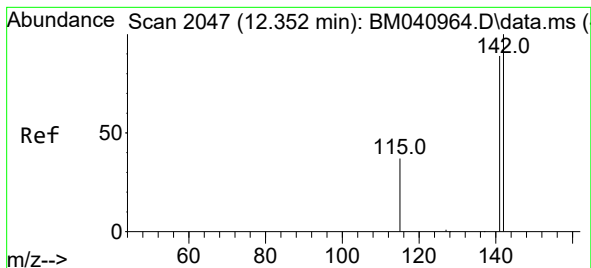
Tgt Ion: 88 Resp: 1041
Ion Ratio Lower Upper
88 100
43 66.9 46.7 70.1
58 37.0 40.3 60.5#



#5
Naphthalene
Concen: 0.196 ng/ul
RT: 10.735 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:128 Resp: 5752
Ion Ratio Lower Upper
128 100
129 14.2 9.8 14.8
127 14.8 11.0 16.4

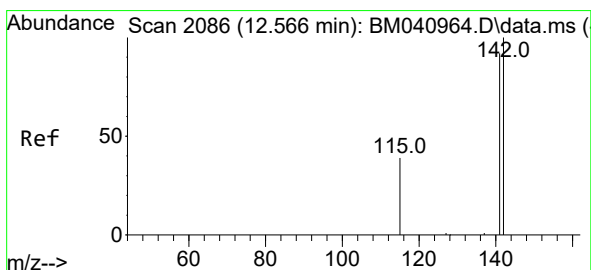
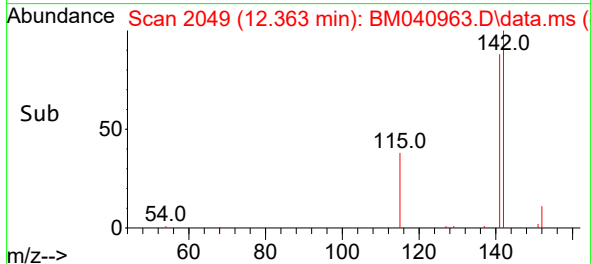
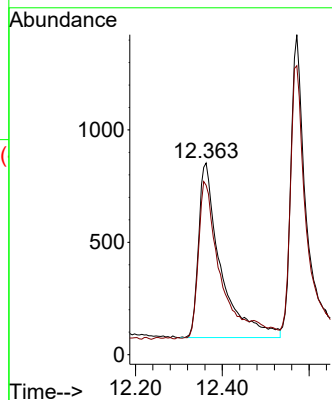
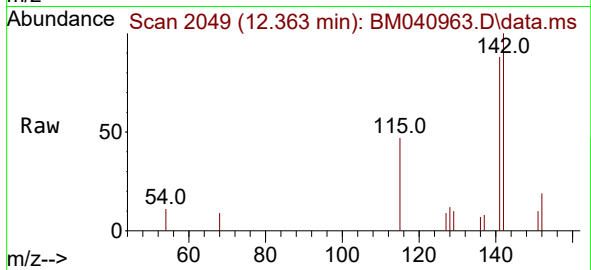




#7
2-Methylnaphthalene
Concen: 0.159 ng/ul
RT: 12.363 min Scan# 2049
Delta R.T. 0.011 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

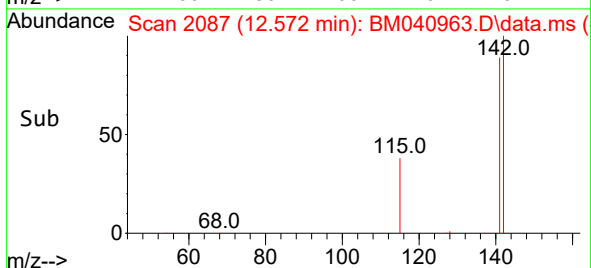
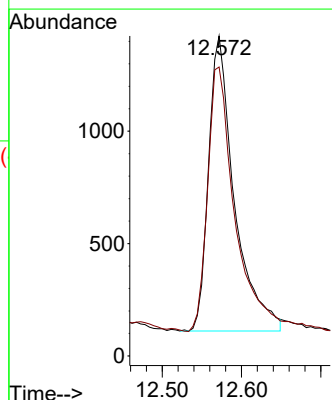
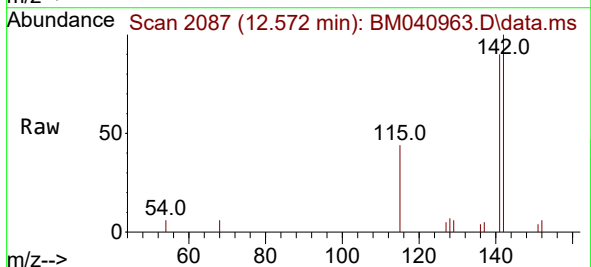
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

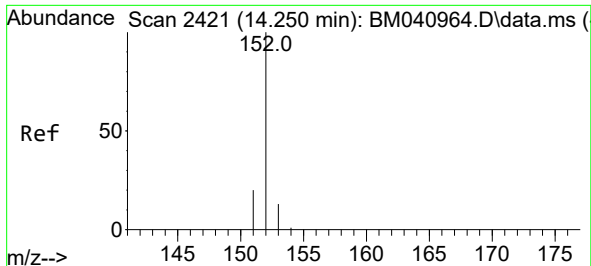
Tgt Ion:142 Resp: 2746
Ion Ratio Lower Upper
142 100
141 92.5 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.172 ng/ul
RT: 12.572 min Scan# 2087
Delta R.T. 0.005 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:142 Resp: 2976
Ion Ratio Lower Upper
142 100
141 93.9 73.4 110.2

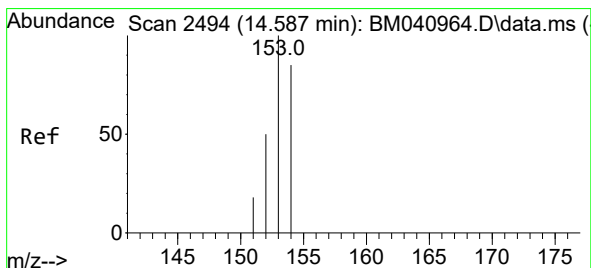
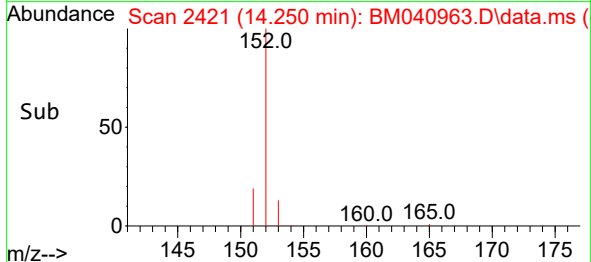
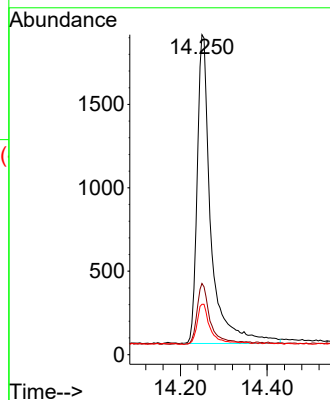
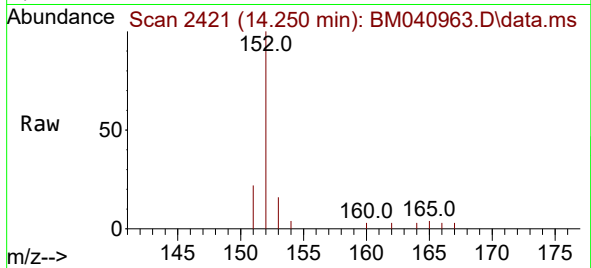




#10
Acenaphthylene
Concen: 0.185 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

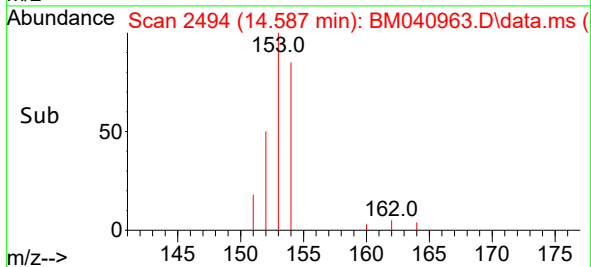
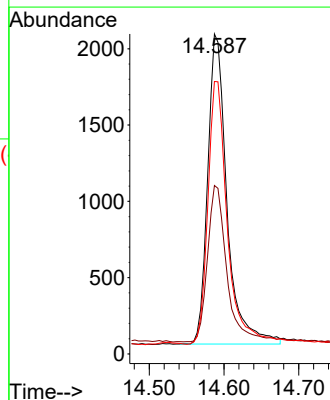
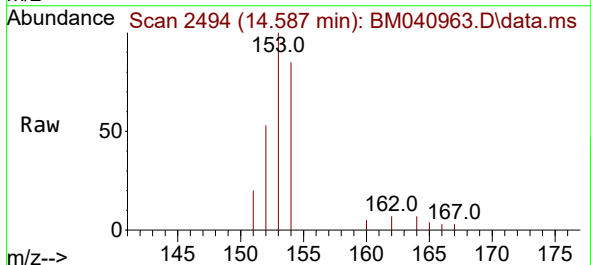
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

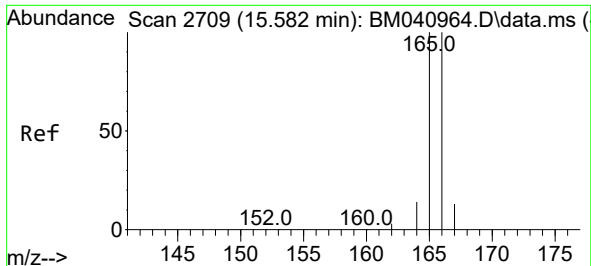
Tgt Ion:	152	Resp:	4073
Ion Ratio	Lower	Upper	
152	100		
151	22.2	16.8	25.2
153	15.7	11.6	17.4



#11
Acenaphthene
Concen: 0.196 ng/ul
RT: 14.587 min Scan# 2494
Delta R.T. -0.000 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:	153	Resp:	3649
Ion Ratio	Lower	Upper	
153	100		
152	52.6	41.0	61.6
154	85.2	68.2	102.2

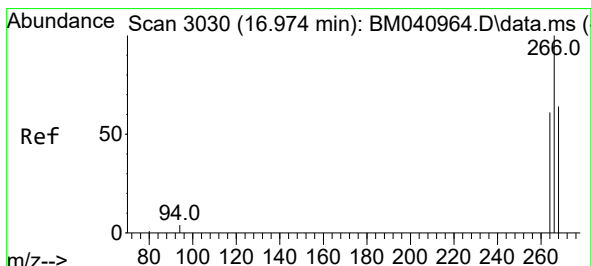
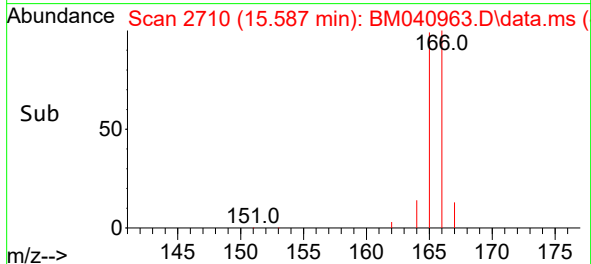
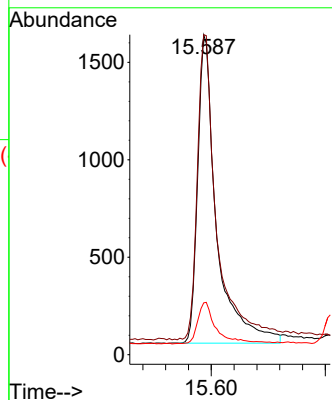
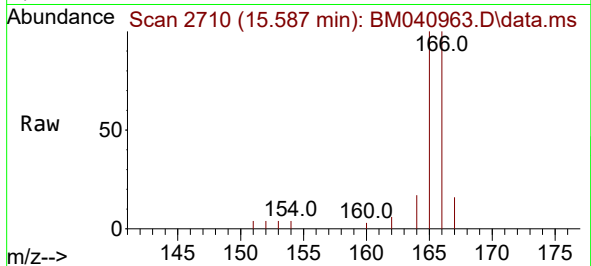




#12
Fluorene
Concen: 0.183 ng/ul
RT: 15.587 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

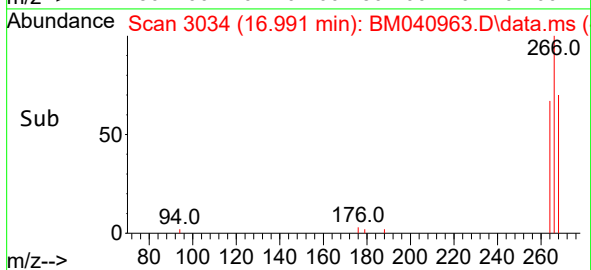
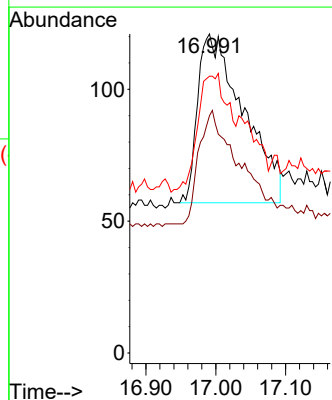
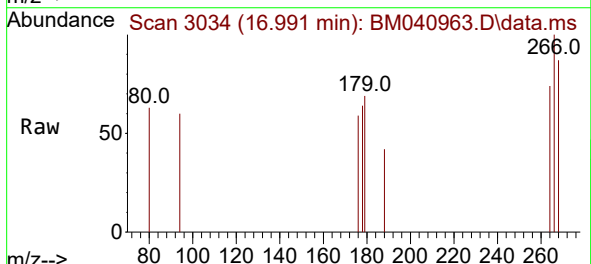
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

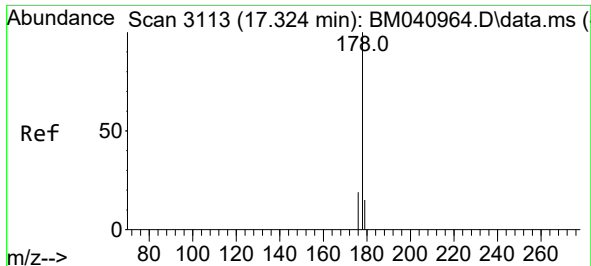
Tgt Ion:166 Resp: 3638
Ion Ratio Lower Upper
166 100
165 100.1 80.3 120.5
167 16.2 11.7 17.5



#14
Pentachlorophenol
Concen: 0.175 ng/ul
RT: 16.991 min Scan# 3034
Delta R.T. 0.017 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:266 Resp: 292
Ion Ratio Lower Upper
266 100
264 60.3 50.7 76.1
268 65.4 52.8 79.2

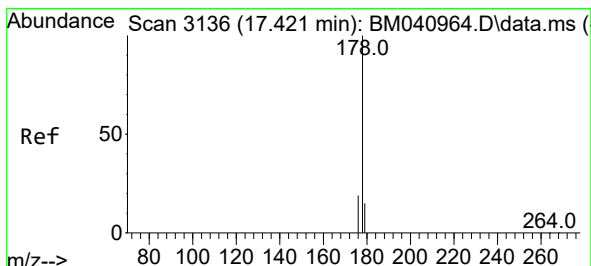
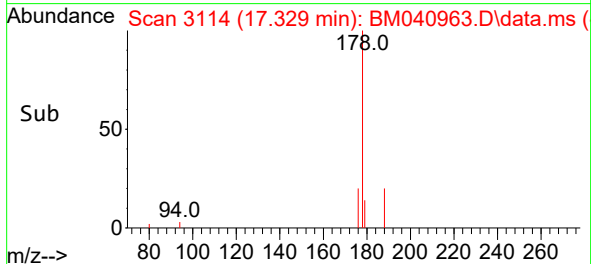
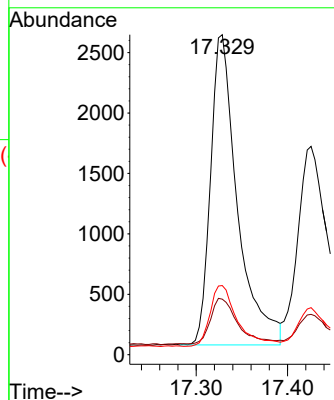
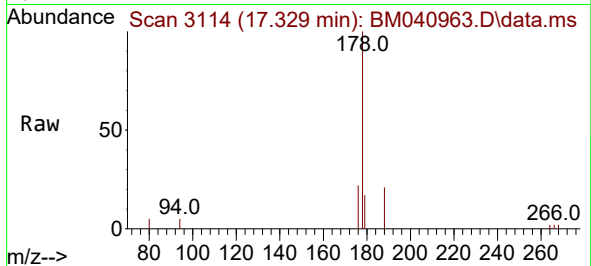




#15
Phenanthrene
Concen: 0.195 ng/ul
RT: 17.329 min Scan# 3113
Delta R.T. 0.004 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

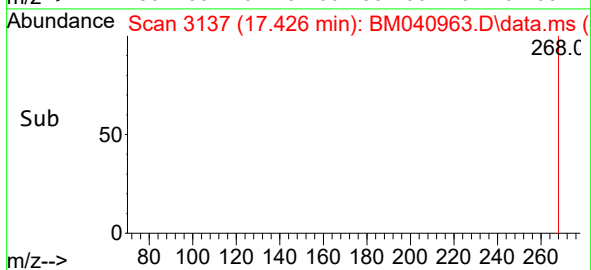
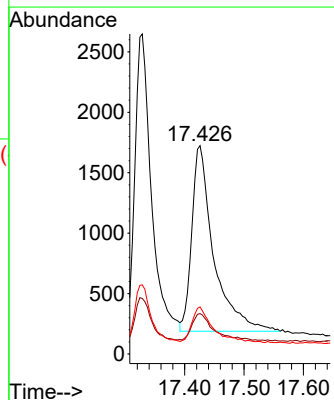
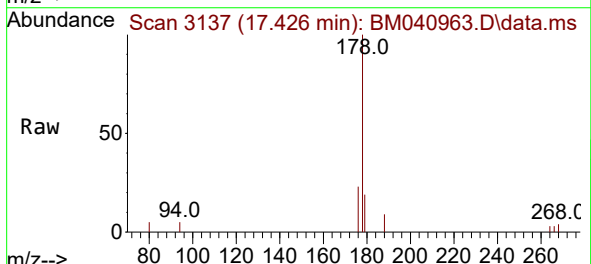
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

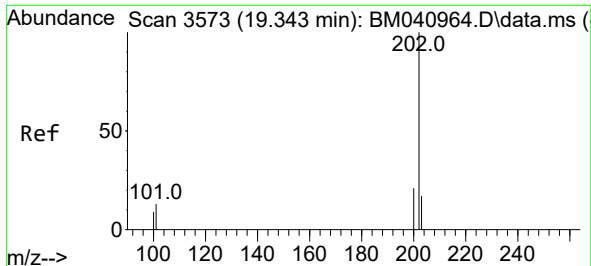
Tgt Ion:178 Resp: 5255
Ion Ratio Lower Upper
178 100
179 17.4 13.0 19.6
176 21.6 16.2 24.4



#16
Anthracene
Concen: 0.173 ng/ul
RT: 17.426 min Scan# 3137
Delta R.T. 0.004 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:178 Resp: 3929
Ion Ratio Lower Upper
178 100
179 19.4 13.7 20.5
176 22.6 16.4 24.6

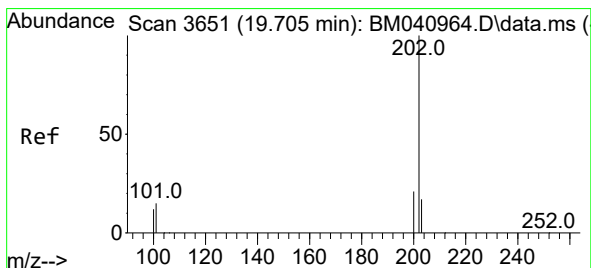
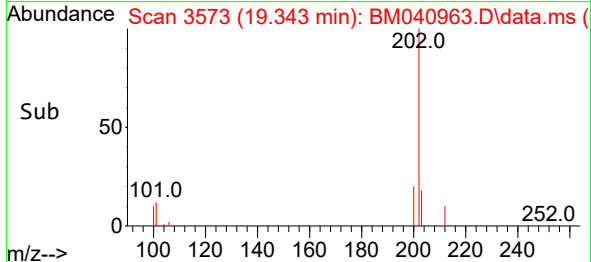
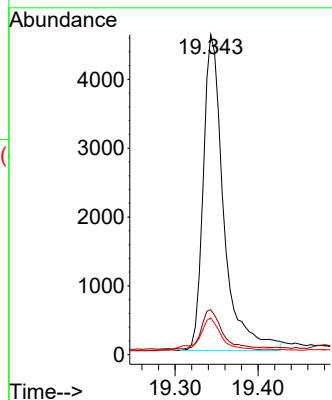
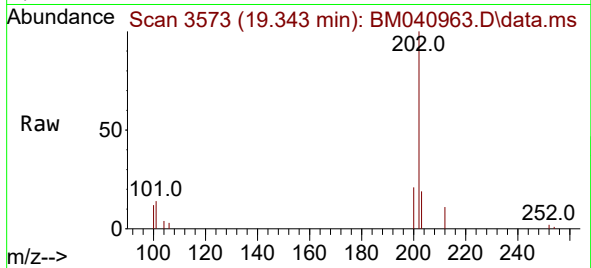




#19
Fluoranthene
Concen: 0.290 ng/ul
RT: 19.343 min Scan# 3573
Delta R.T. -0.000 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

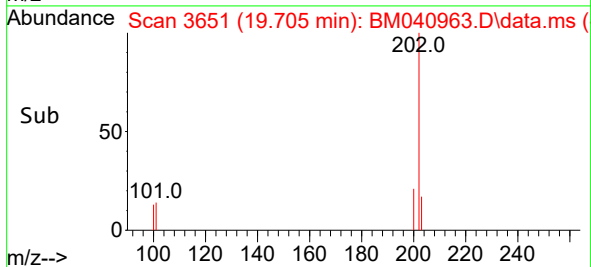
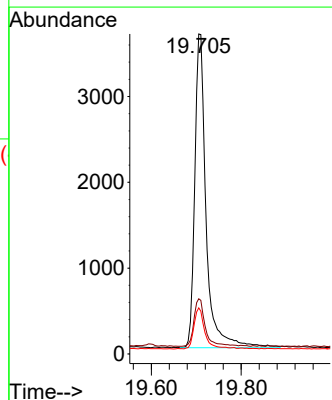
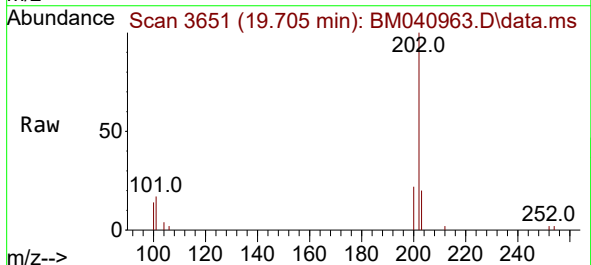
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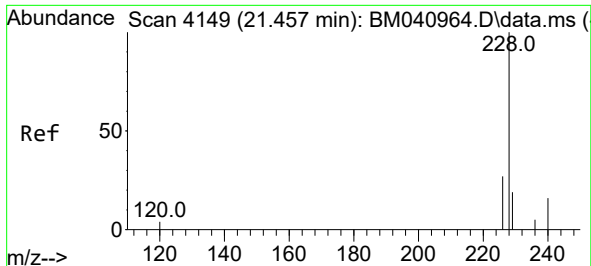
Tgt Ion:202 Resp: 7872
Ion Ratio Lower Upper
202 100
101 14.1 11.0 16.4
100 11.5 8.3 12.5



#20
Pyrene
Concen: 0.221 ng/ul
RT: 19.705 min Scan# 3651
Delta R.T. -0.000 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:202 Resp: 6444
Ion Ratio Lower Upper
202 100
101 17.3 12.5 18.7
100 14.4 10.0 15.0

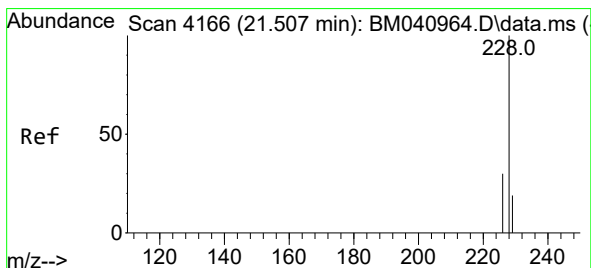
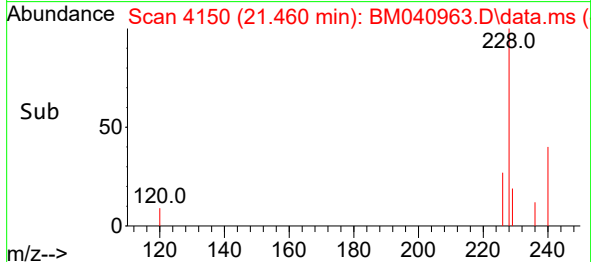
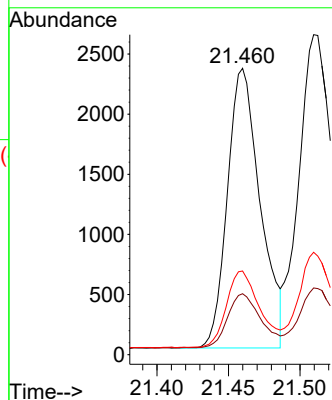
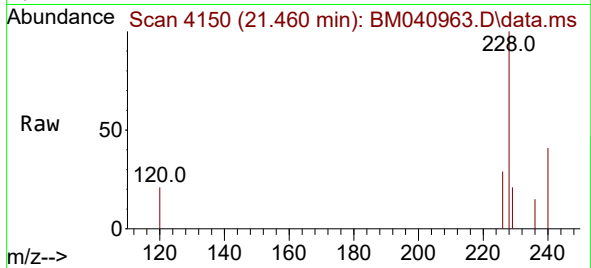




#21
Benzo(a)anthracene
Concen: 0.172 ng/ul
RT: 21.460 min Scan# 4150
Delta R.T. 0.003 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

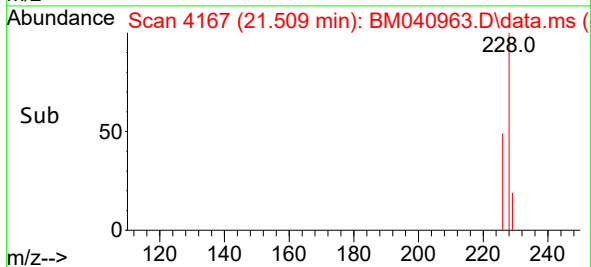
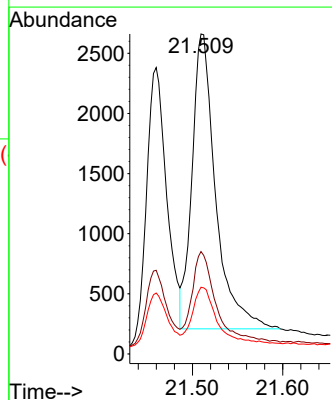
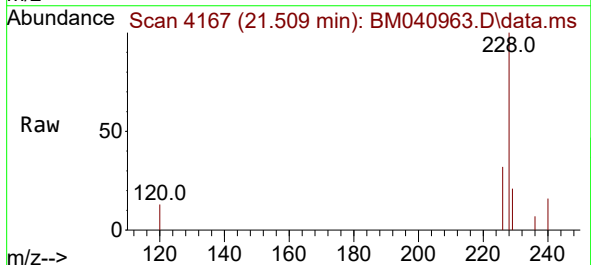
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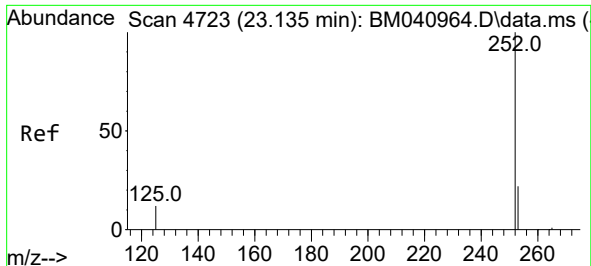
Tgt Ion:	228	Resp:	3718
Ion Ratio	Lower	Upper	
228	100		
229	21.3	16.2	24.4
226	29.2	22.3	33.5



#22
Chrysene
Concen: 0.181 ng/ul
RT: 21.509 min Scan# 4167
Delta R.T. 0.003 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:	228	Resp:	4465
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.6	37.0
229	20.9	16.1	24.1

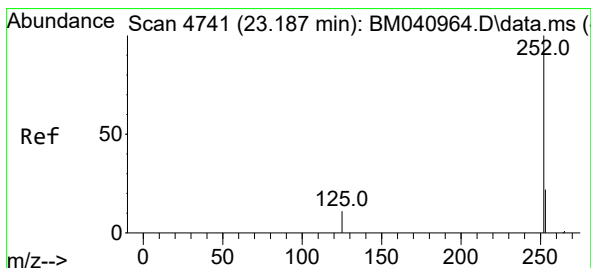
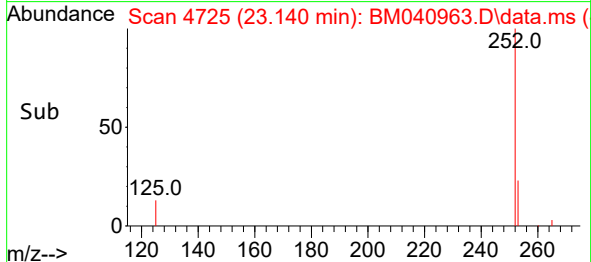
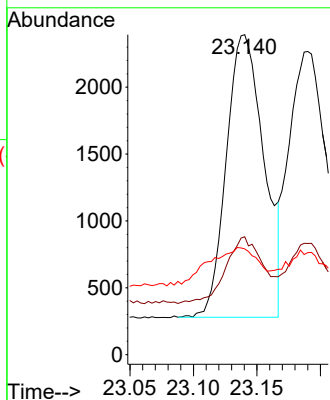
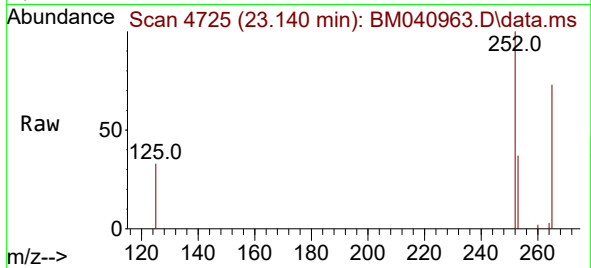




#24
Benzo(b)fluoranthene
Concen: 0.193 ng/ul
RT: 23.140 min Scan# 41
Delta R.T. 0.006 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

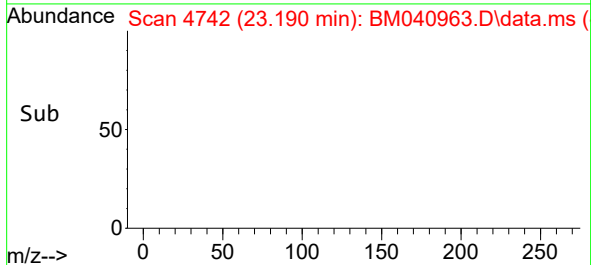
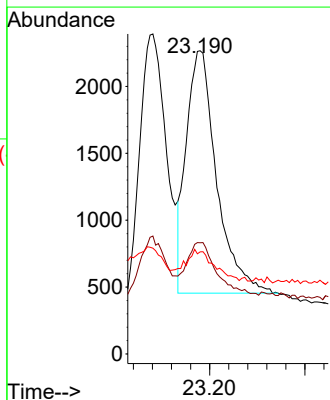
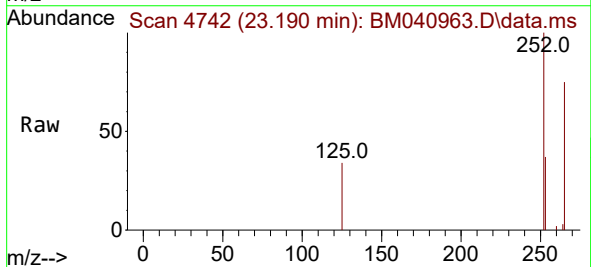
Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

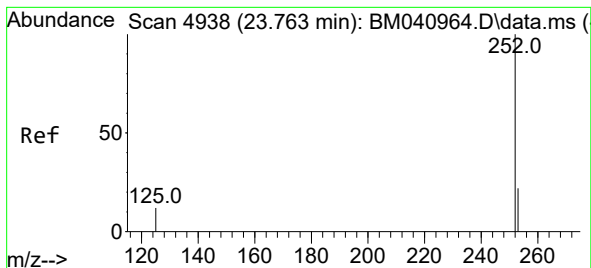
Tgt Ion:252 Resp: 4353
Ion Ratio Lower Upper
252 100
253 36.9 0.0 57.4
125 33.1 0.0 45.2



#25
Benzo(k)fluoranthene
Concen: 0.180 ng/ul
RT: 23.190 min Scan# 4742
Delta R.T. 0.003 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:252 Resp: 4012
Ion Ratio Lower Upper
252 100
253 36.7 23.3 34.9#
125 33.7 18.2 27.2#





#26

Benzo(a)pyrene

Concen: 0.185 ng/ul

RT: 23.769 min Scan# 4938

Delta R.T. 0.006 min

Lab File: BM040963.D

Acq: 19 Jul 2023 19:37

Instrument :

BNA_M

ClientSampleId :

SSTD0.2030

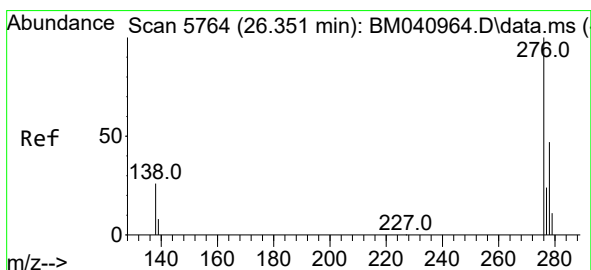
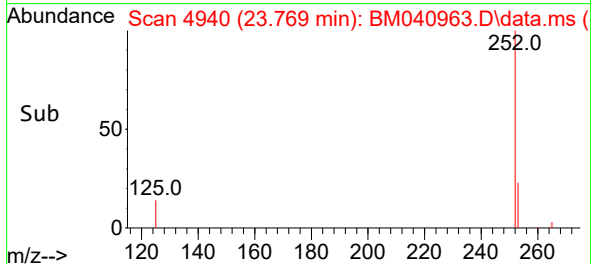
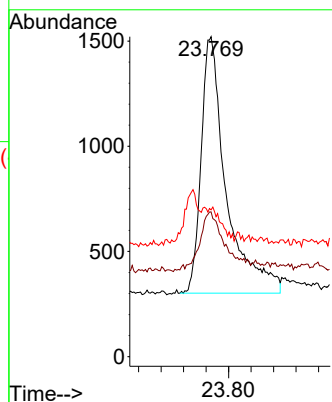
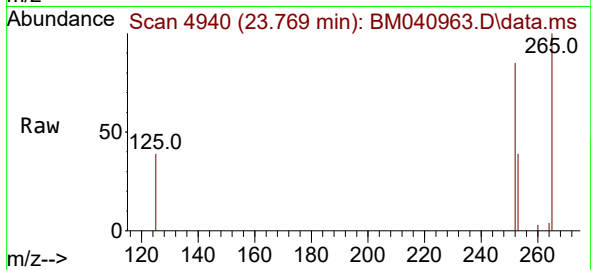
Tgt Ion:252 Resp: 3771

Ion Ratio Lower Upper

252 100

253 45.2 28.2 42.2#

125 45.9 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.181 ng/ul

RT: 26.354 min Scan# 5765

Delta R.T. 0.003 min

Lab File: BM040963.D

Acq: 19 Jul 2023 19:37

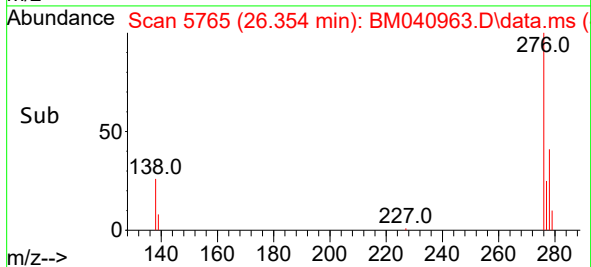
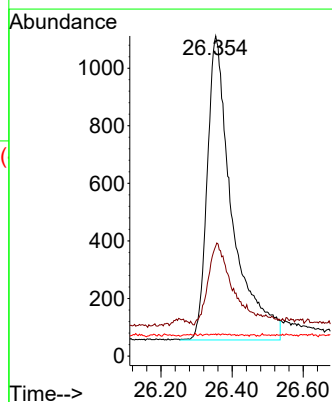
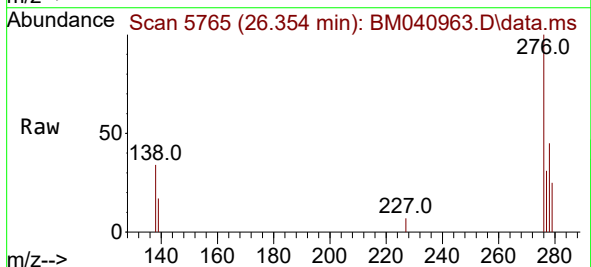
Tgt Ion:276 Resp: 5133

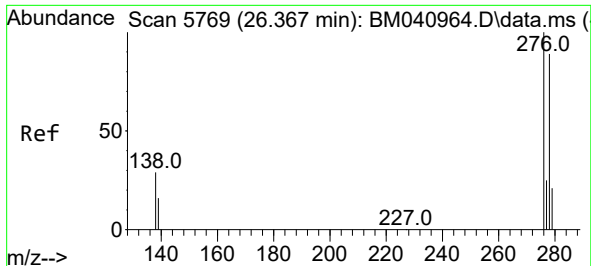
Ion Ratio Lower Upper

276 100

138 27.7 22.3 33.5

227 0.2 0.0 0.0#

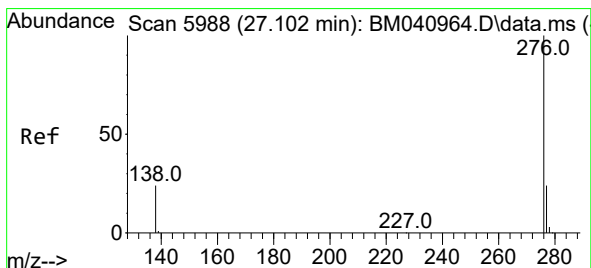
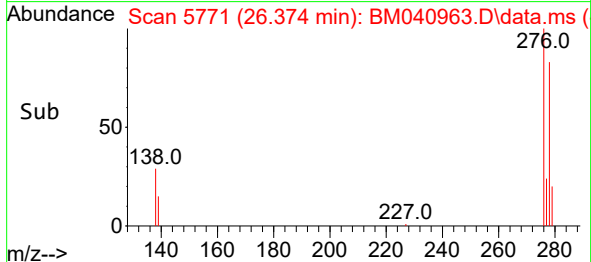
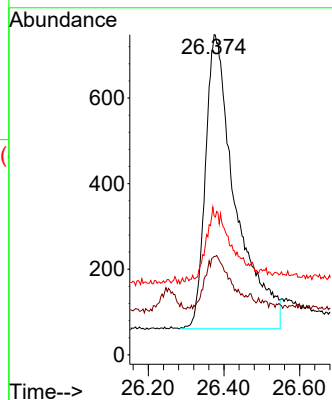
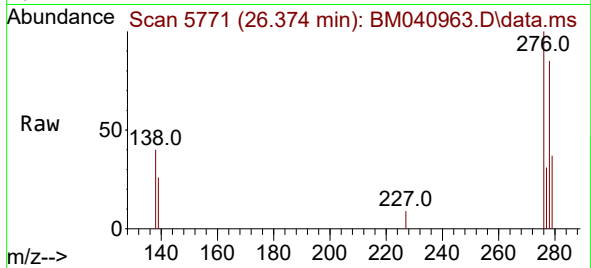




#28
Dibenzo(a,h)anthracene
Concen: 0.171 ng/ul
RT: 26.374 min Scan# 5771
Delta R.T. 0.007 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Instrument :
BNA_M
ClientSampleId :
SSTD0.2030

Tgt Ion:278 Resp: 3791
Ion Ratio Lower Upper
278 100
139 30.7 19.2 28.8#
279 43.4 27.0 40.6#



#29
Benzo(g,h,i)perylene
Concen: 0.193 ng/ul
RT: 27.115 min Scan# 5992
Delta R.T. 0.013 min
Lab File: BM040963.D
Acq: 19 Jul 2023 19:37

Tgt Ion:276 Resp: 4802
Ion Ratio Lower Upper
276 100
138 32.6 22.6 34.0
277 28.4 21.2 31.8

