

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038588.D
 Acq On : 27 Jan 2023 16:54
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4068

Quant Time: Jan 27 22:00:28 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 27 00:18:15 2023
 Response via : Initial Calibration

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

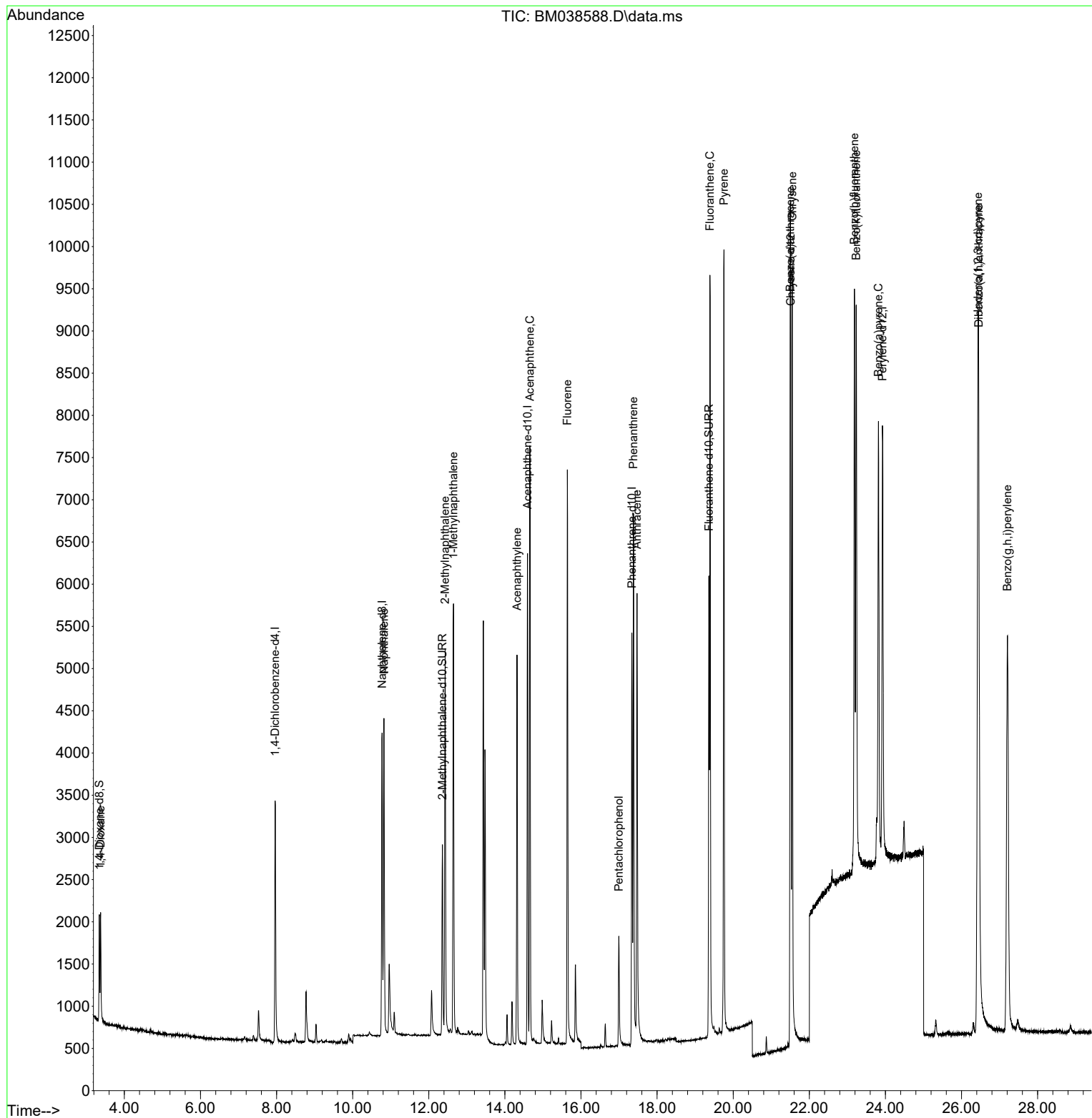
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	1690	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	5331	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.597	164	3267	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	6671	0.400	ng/ul	0.00
17) Chrysene-d12	21.513	240	6236	0.400	ng/ul	0.00
23) Perylene-d12	23.924	264	7568	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	903	0.407	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.358	152	3086	0.373	ng/ul	0.00
18) Fluoranthene-d10	19.362	212	6714	0.377	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.377	88	906	0.402	ng/ul#	23
5) Naphthalene	10.823	128	5170	0.298	ng/ul	98
7) 2-Methylnaphthalene	12.429	142	3392	0.371	ng/ul	97
8) 1-Methylnaphthalene	12.649	142	3492	0.369	ng/ul	100
10) Acenaphthylene	14.319	152	5395	0.374	ng/ul	98
11) Acenaphthene	14.657	153	3973	0.362	ng/ul	98
12) Fluorene	15.642	166	4554	0.332	ng/ul	97
14) Pentachlorophenol	16.995	266	1019	0.375	ng/ul	99
15) Phenanthrene	17.380	178	6912	0.321	ng/ul	100
16) Anthracene	17.472	178	6632	0.361	ng/ul	99
19) Fluoranthene	19.390	202	8439	0.380	ng/ul	99
20) Pyrene	19.757	202	8907	0.372	ng/ul	98
21) Benzo(a)anthracene	21.498	228	8034	0.362	ng/ul	99
22) Chrysene	21.551	228	8069	0.363	ng/ul	99
24) Benzo(b)fluoranthene	23.185	252	9840	0.345	ng/ul	98
25) Benzo(k)fluoranthene	23.234	252	9670	0.350	ng/ul	98
26) Benzo(a)pyrene	23.816	252	9061	0.354	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.431	276	13785	0.383	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.451	278	10974	0.383	ng/ul	98
29) Benzo(g,h,i)perylene	27.206	276	12060	0.386	ng/ul	97

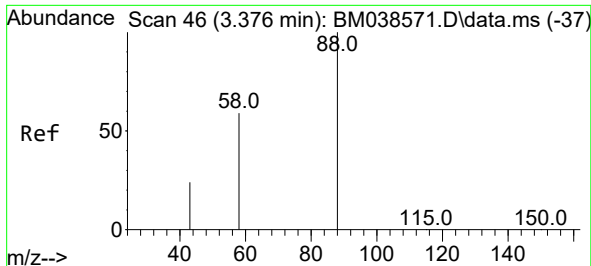
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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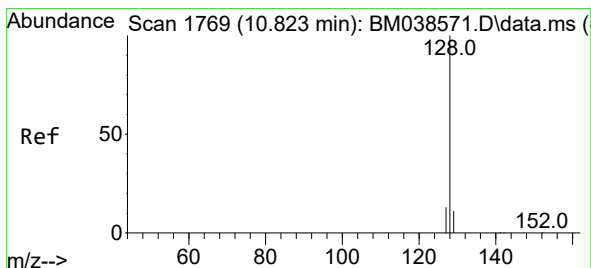
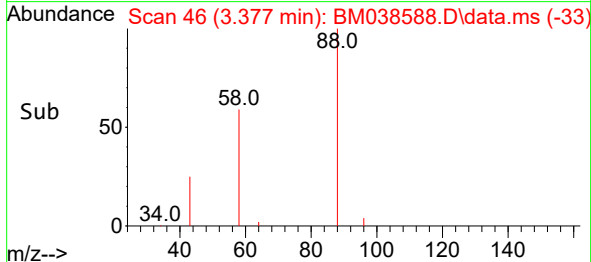
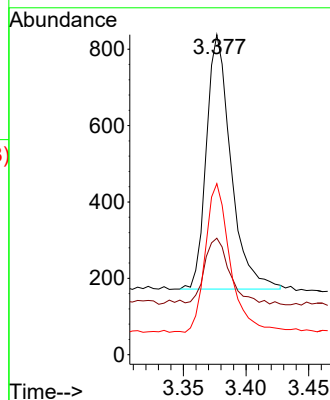
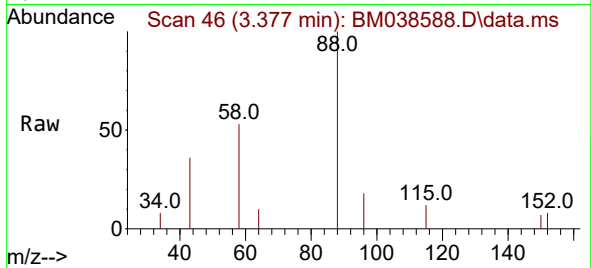




#2
1,4-Dioxane
Concen: 0.402 ng/ul
RT: 3.377 min Scan# 46
Delta R.T. -0.004 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

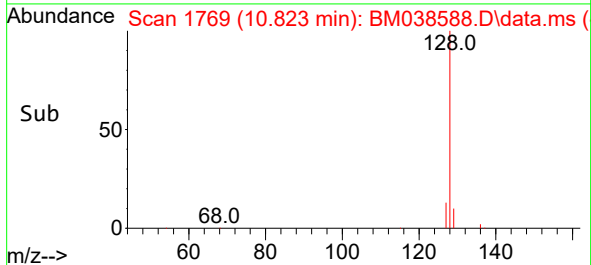
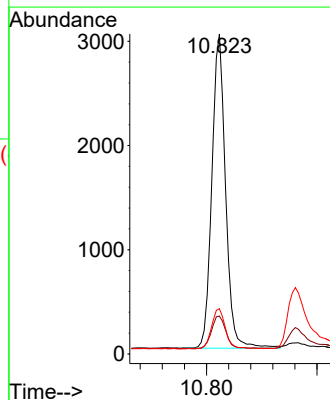
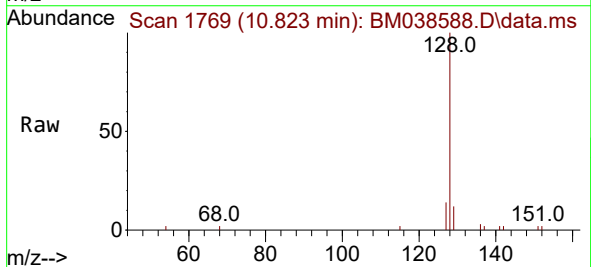
Instrument :
BNA_M
ClientSampleId :
SSTD0.4068

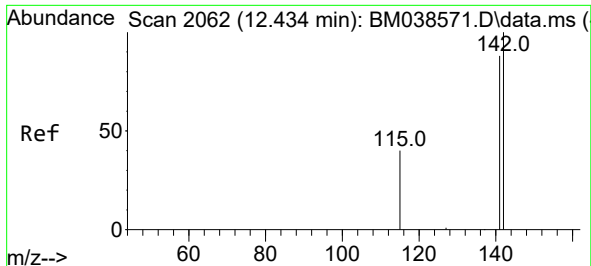
Tgt Ion: 88 Resp: 906
Ion Ratio Lower Upper
88 100
43 36.4 141.3 211.9#
58 53.5 45.7 68.5



#5
Naphthalene
Concen: 0.298 ng/ul
RT: 10.823 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion: 128 Resp: 5170
Ion Ratio Lower Upper
128 100
129 11.9 10.3 15.5
127 14.1 11.9 17.9

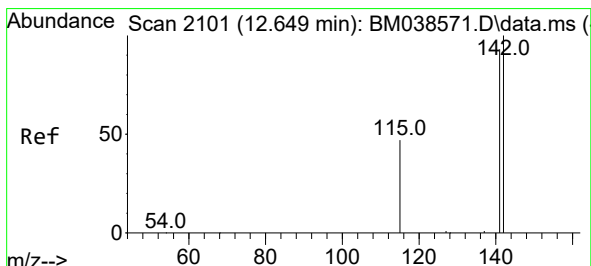
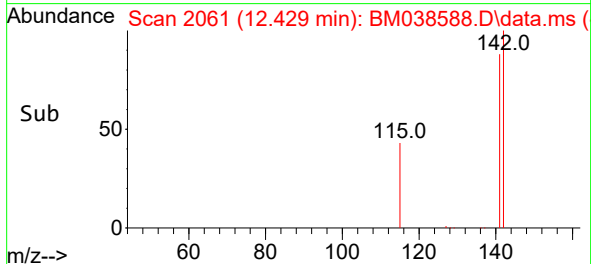
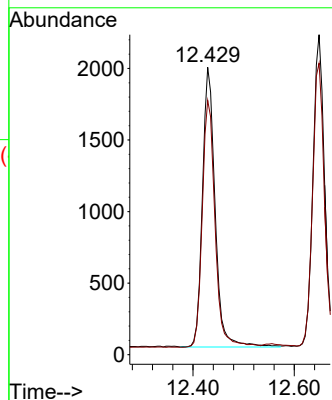
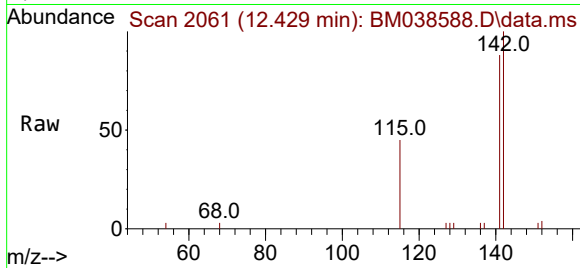




#7
2-Methylnaphthalene
Concen: 0.371 ng/ul
RT: 12.429 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

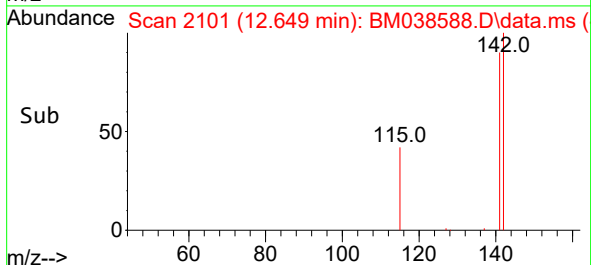
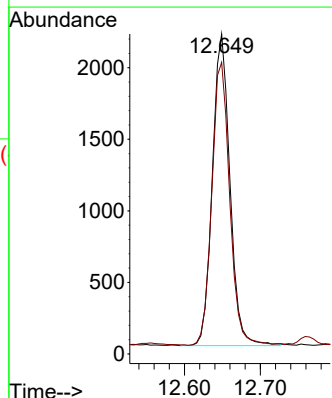
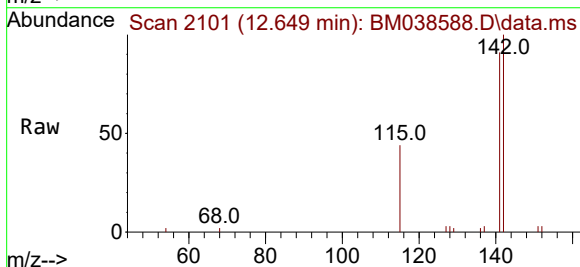
Instrument :
BNA_M
ClientSampleId :
SSTD0.4068

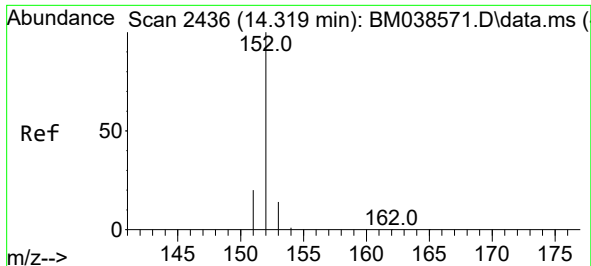
Tgt Ion:142 Resp: 3392
Ion Ratio Lower Upper
142 100
141 89.2 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.369 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. -0.005 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:142 Resp: 3492
Ion Ratio Lower Upper
142 100
141 92.2 74.0 111.0

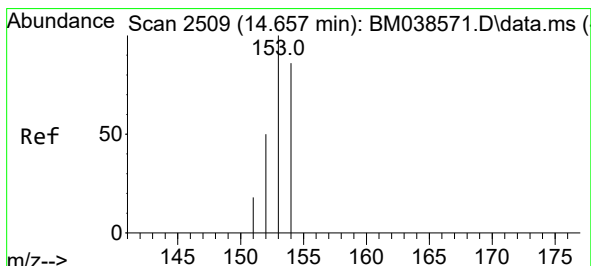
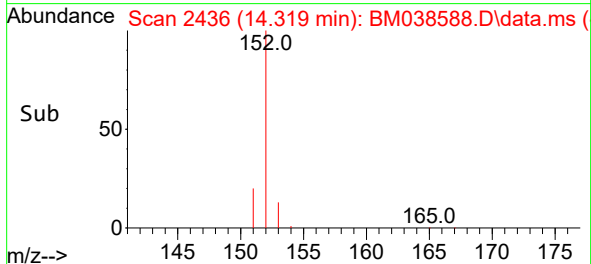
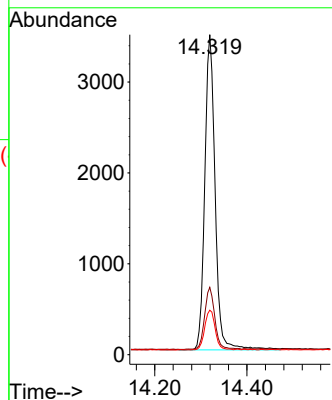
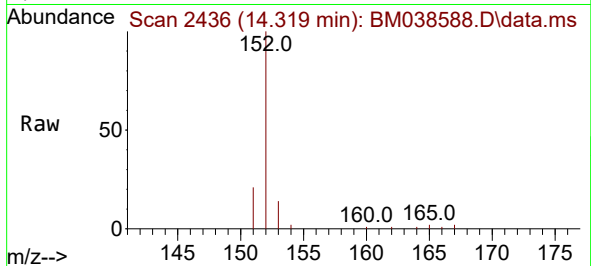




#10
Acenaphthylene
Concen: 0.374 ng/ul
RT: 14.319 min Scan# 2436
Delta R.T. -0.004 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

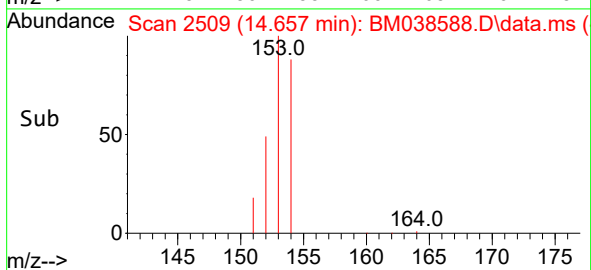
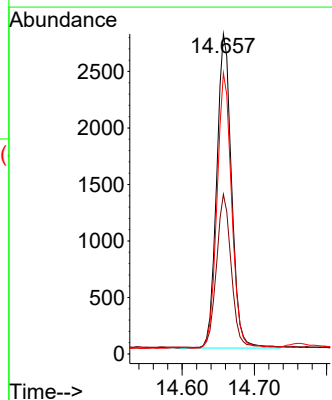
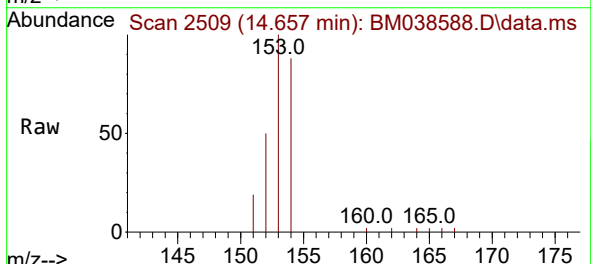
Instrument :
BNA_M
ClientSampleId :
SSTD0.4068

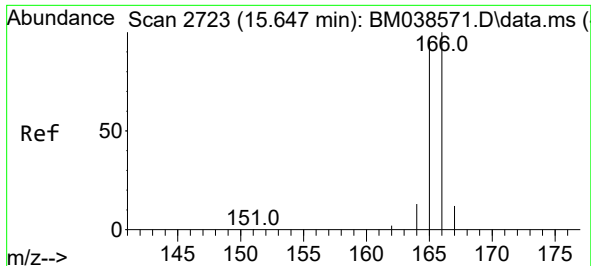
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	13.9	11.8	17.6



#11
Acenaphthene
Concen: 0.362 ng/ul
RT: 14.657 min Scan# 2509
Delta R.T. -0.004 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.9	40.1	60.1
154	87.8	68.4	102.6

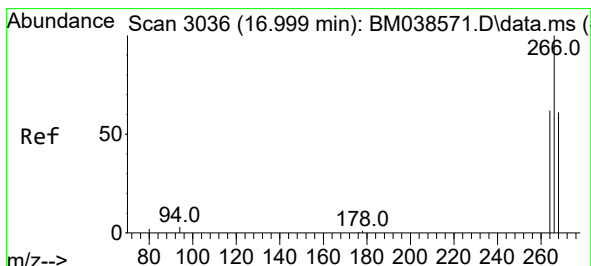
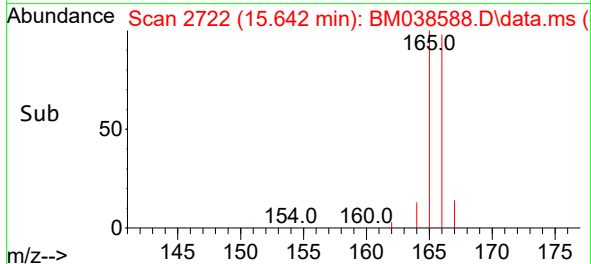
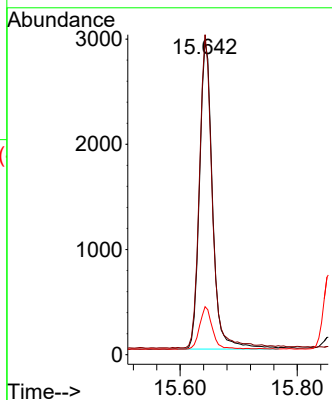
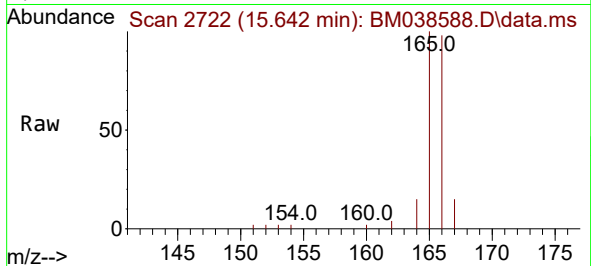




#12
 Fluorene
 Concen: 0.332 ng/ul
 RT: 15.642 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BM038588.D
 Acq: 27 Jan 2023 16:54

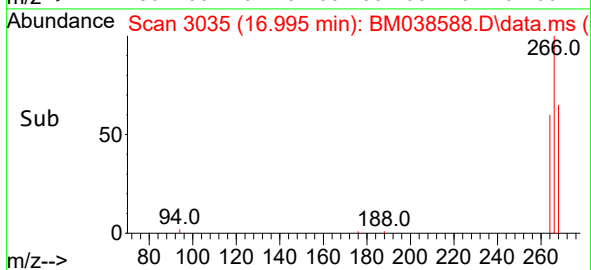
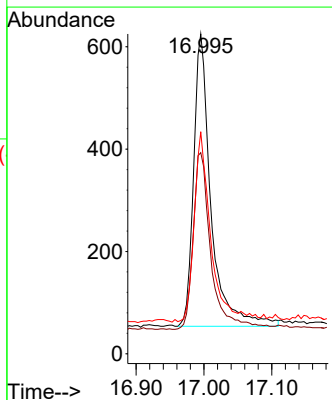
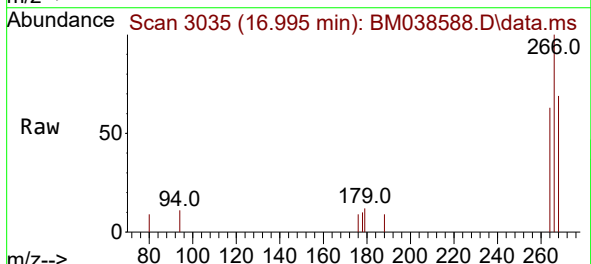
Instrument :
 BNA_M
 ClientSampleId :
 SST0.4068

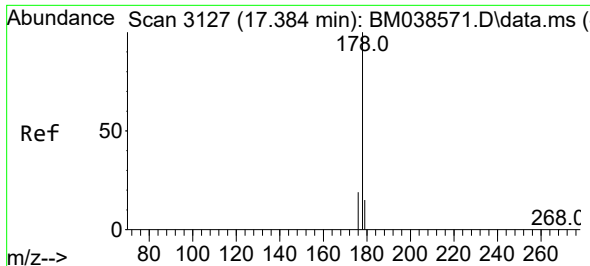
Tgt Ion:166	Resp:	4554
Ion Ratio	Lower	Upper
166	100	
165	102.1	79.3 118.9
167	15.3	11.9 17.9



#14
 Pentachlorophenol
 Concen: 0.375 ng/ul
 RT: 16.995 min Scan# 3035
 Delta R.T. -0.004 min
 Lab File: BM038588.D
 Acq: 27 Jan 2023 16:54

Tgt Ion:266	Resp:	1019
Ion Ratio	Lower	Upper
266	100	
264	62.1	49.4 74.2
268	63.3	51.7 77.5

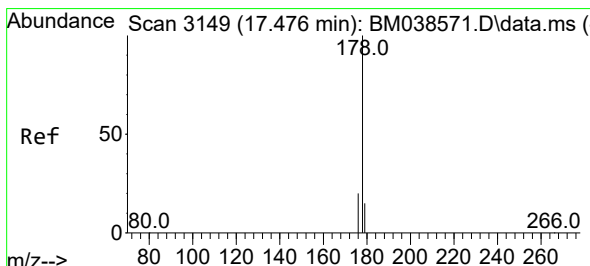
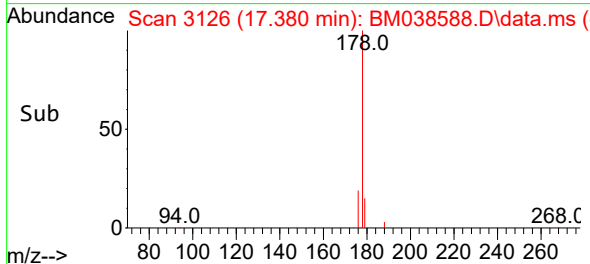
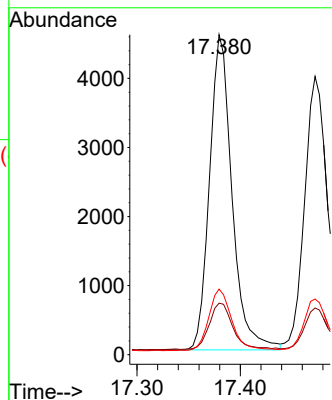
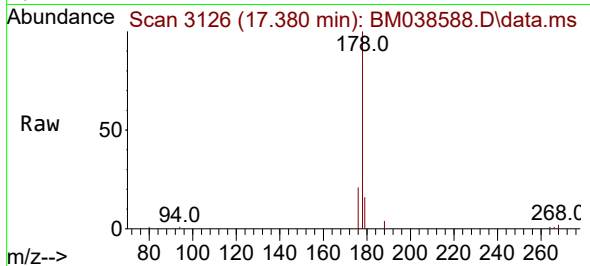




#15
Phenanthrene
Concen: 0.321 ng/ul
RT: 17.380 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

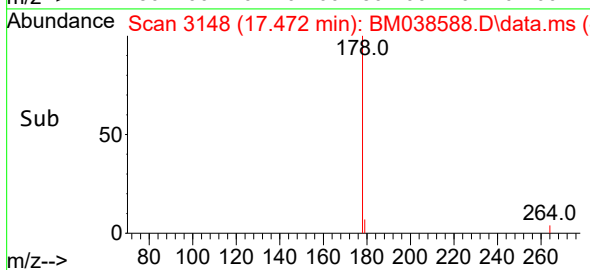
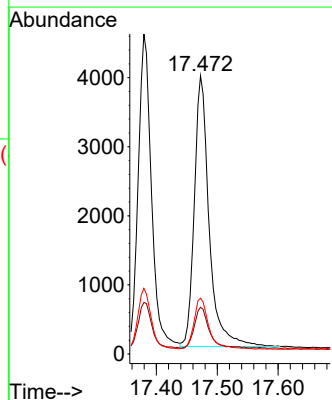
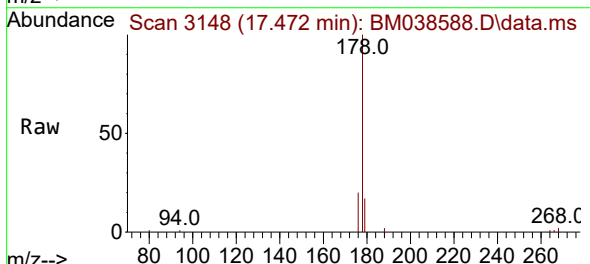
Instrument :
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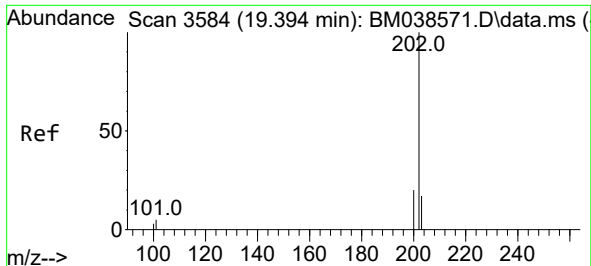
Tgt Ion:178 Resp: 6912
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.4
176 20.5 16.4 24.6



#16
Anthracene
Concen: 0.361 ng/ul
RT: 17.472 min Scan# 3148
Delta R.T. -0.004 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:178 Resp: 6632
Ion Ratio Lower Upper
178 100
179 16.8 13.2 19.8
176 20.0 16.2 24.4

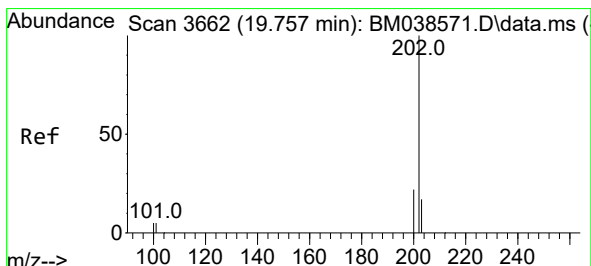
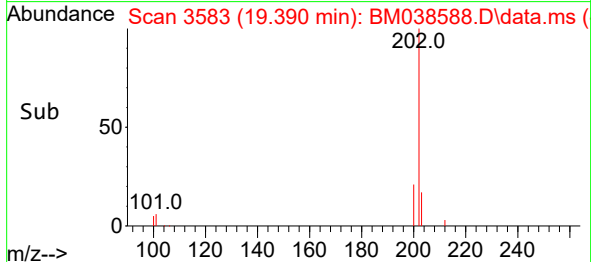
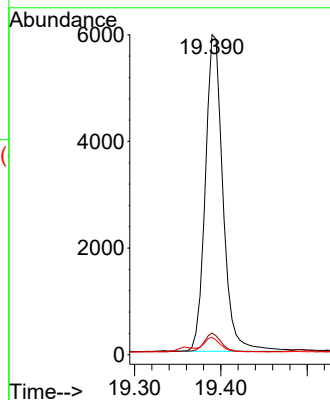
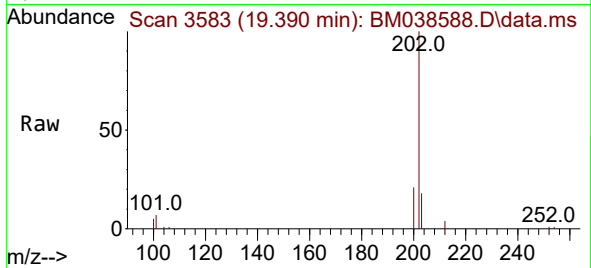




#19
Fluoranthene
Concen: 0.380 ng/ul
RT: 19.390 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

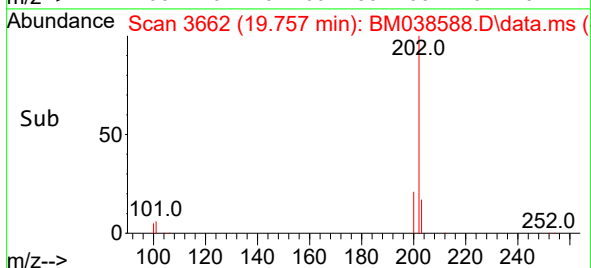
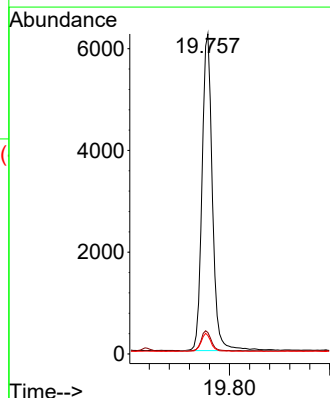
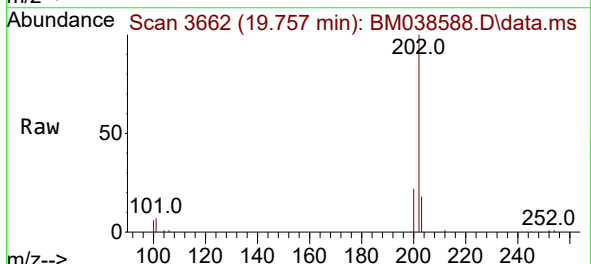
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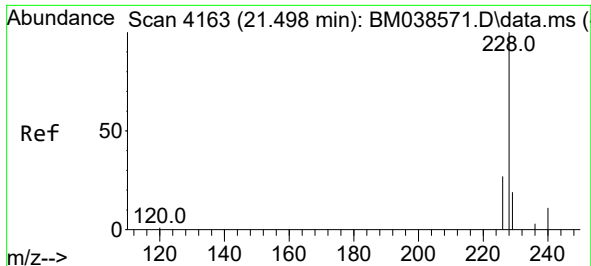
Tgt Ion:202 Resp: 8439
Ion Ratio Lower Upper
202 100
101 6.8 5.3 7.9
100 5.4 4.2 6.2



#20
Pyrene
Concen: 0.372 ng/ul
RT: 19.757 min Scan# 3662
Delta R.T. 0.000 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:202 Resp: 8907
Ion Ratio Lower Upper
202 100
101 6.7 5.9 8.9
100 5.8 5.2 7.8

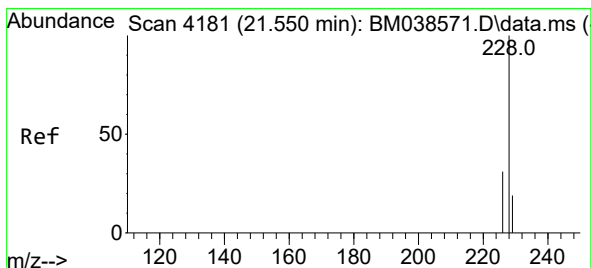
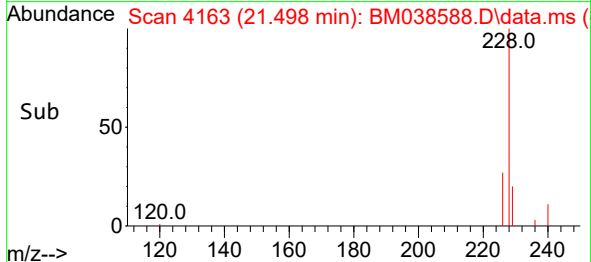
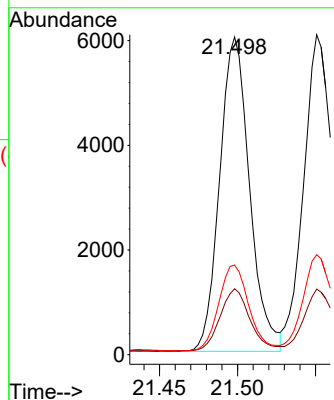
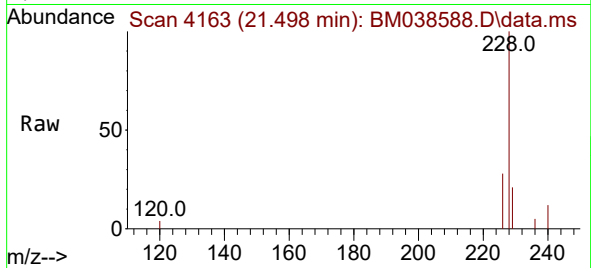




#21
Benzo(a)anthracene
Concen: 0.362 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

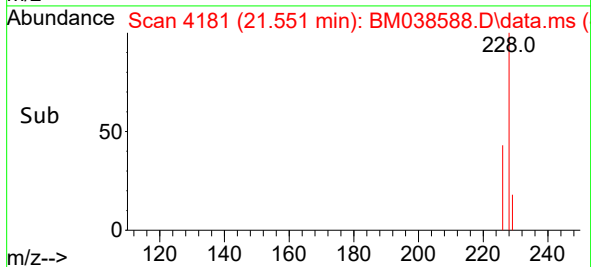
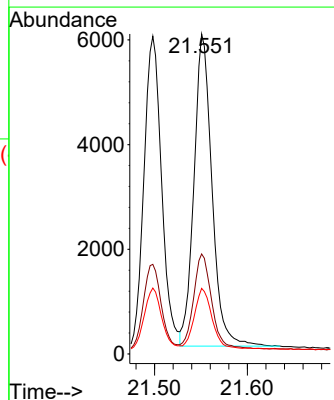
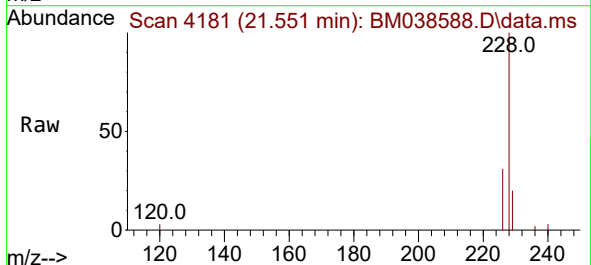
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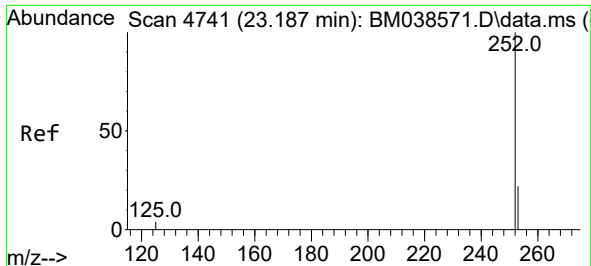
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Ion Ratio Lower Upper
228 100
229 20.8 16.7 25.1
226 28.2 22.2 33.4



#22
Chrysene
Concen: 0.363 ng/ul
RT: 21.551 min Scan# 4181
Delta R.T. -0.003 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:228 Resp: 8069
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 20.5 16.2 24.4

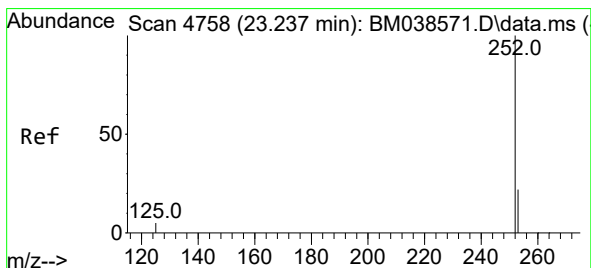
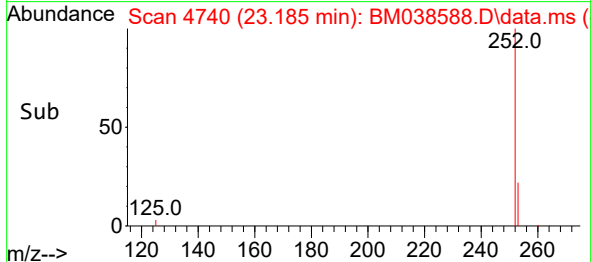
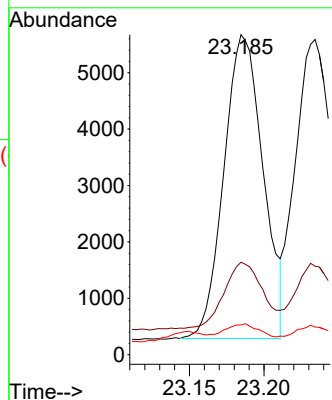
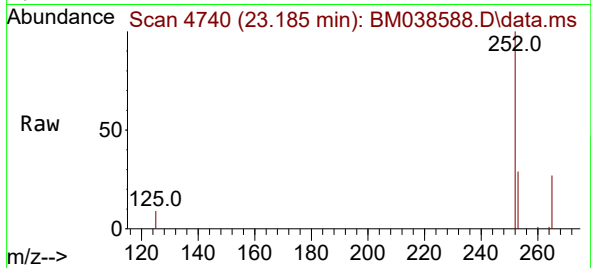




#24
Benzo(b)fluoranthene
Concen: 0.345 ng/ul
RT: 23.185 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

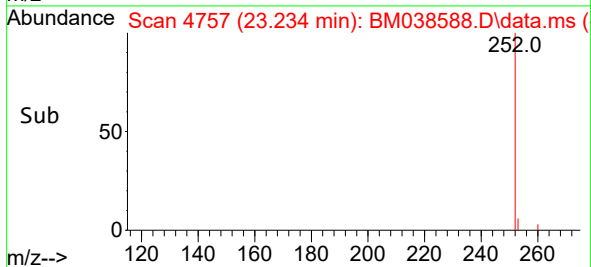
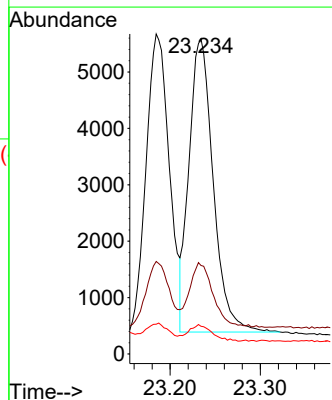
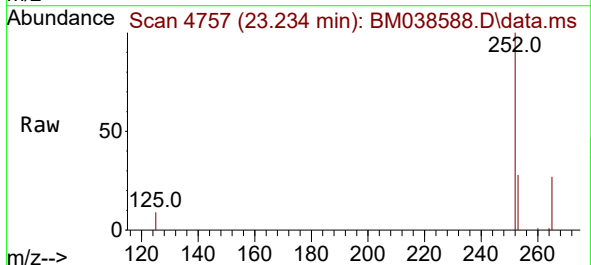
Instrument :
BNA_M
ClientSampleId :
SSTD0.4068

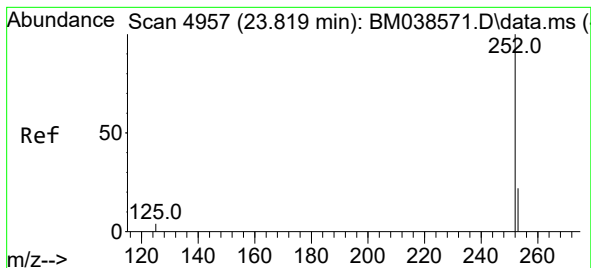
Tgt Ion:252 Resp: 9840
Ion Ratio Lower Upper
252 100
253 28.9 0.0 56.6
125 9.3 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.350 ng/ul
RT: 23.234 min Scan# 4757
Delta R.T. -0.006 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:252 Resp: 9670
Ion Ratio Lower Upper
252 100
253 28.1 23.1 34.7
125 8.8 8.4 12.6





#26

Benzo(a)pyrene

Concen: 0.354 ng/ul

RT: 23.816 min Scan# 4957

Delta R.T. -0.006 min

Lab File: BM038588.D

Acq: 27 Jan 2023 16:54

Instrument :

BNA_M

ClientSampleId :

SSTD0.4068

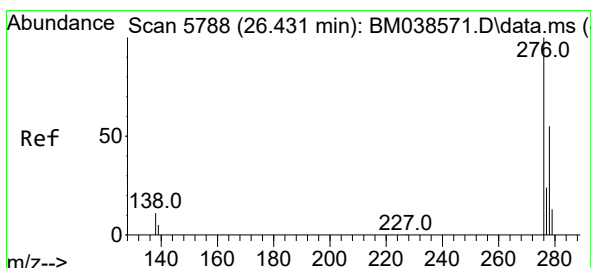
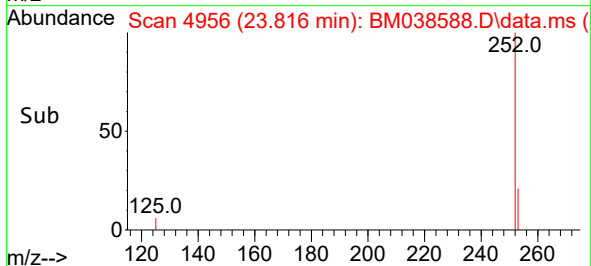
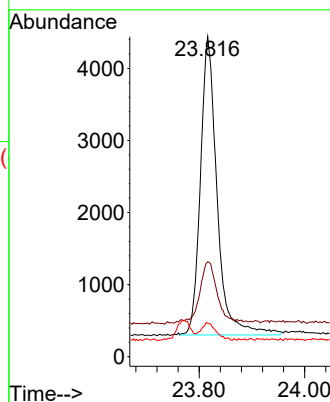
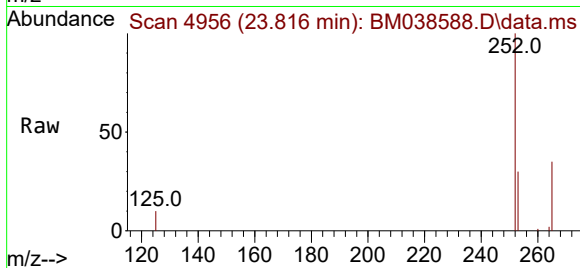
Tgt Ion:252 Resp: 9061

Ion Ratio Lower Upper

252 100

253 29.7 25.1 37.7

125 10.5 10.0 15.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.383 ng/ul

RT: 26.431 min Scan# 5788

Delta R.T. -0.010 min

Lab File: BM038588.D

Acq: 27 Jan 2023 16:54

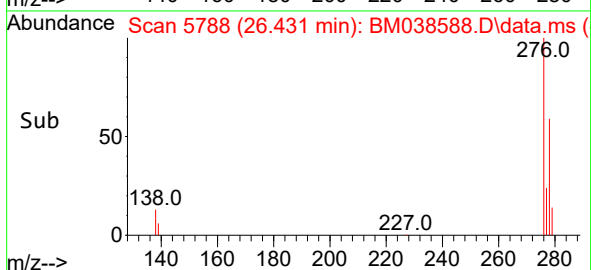
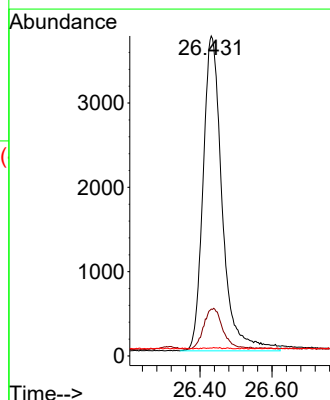
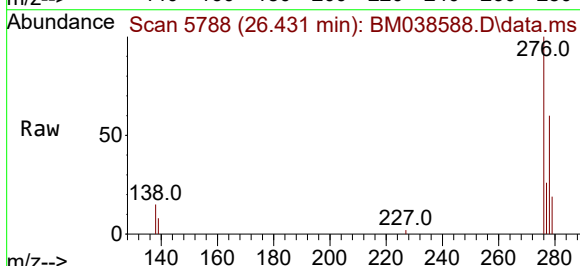
Tgt Ion:276 Resp: 13785

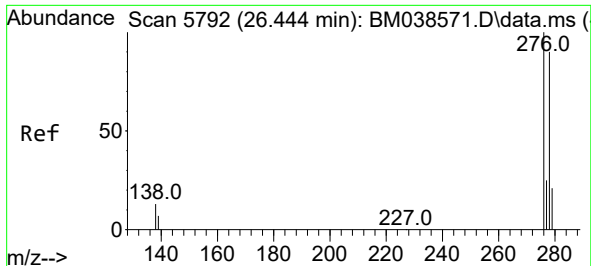
Ion Ratio Lower Upper

276 100

138 12.9 11.7 17.5

227 0.2 0.3 0.5

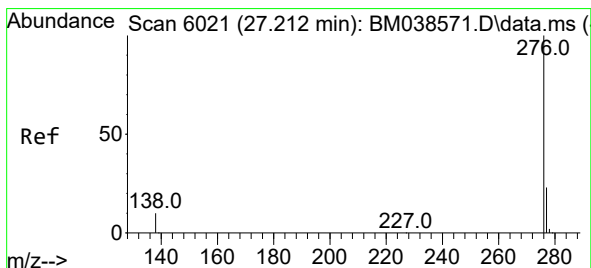
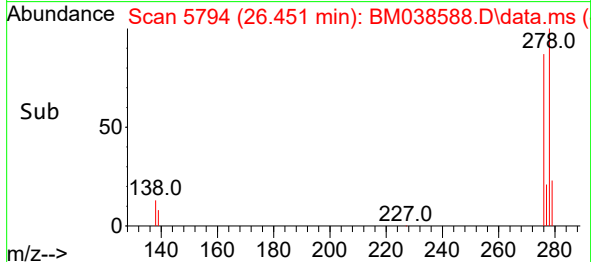
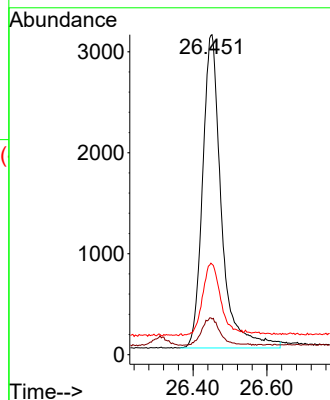
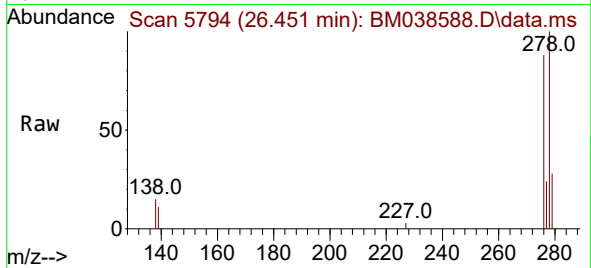




#28
Dibenzo(a,h)anthracene
Concen: 0.383 ng/ul
RT: 26.451 min Scan# 51
Delta R.T. -0.007 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Instrument :
BNA_M
ClientSampleId :
SSTD0.4068

Tgt Ion:278 Resp: 10974
Ion Ratio Lower Upper
278 100
139 11.2 9.8 14.8
279 28.3 23.3 34.9



#29
Benzo(g,h,i)perylene
Concen: 0.386 ng/ul
RT: 27.206 min Scan# 6019
Delta R.T. -0.013 min
Lab File: BM038588.D
Acq: 27 Jan 2023 16:54

Tgt Ion:276 Resp: 12060
Ion Ratio Lower Upper
276 100
138 13.2 12.6 19.0
277 25.0 20.5 30.7

