

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012623\
 Data File : BM038574.D
 Acq On : 27 Jan 2023 07:39
 Operator : CG/JU
 Sample : PB150408BS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS408

Quant Time: Jan 27 08:09:22 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)

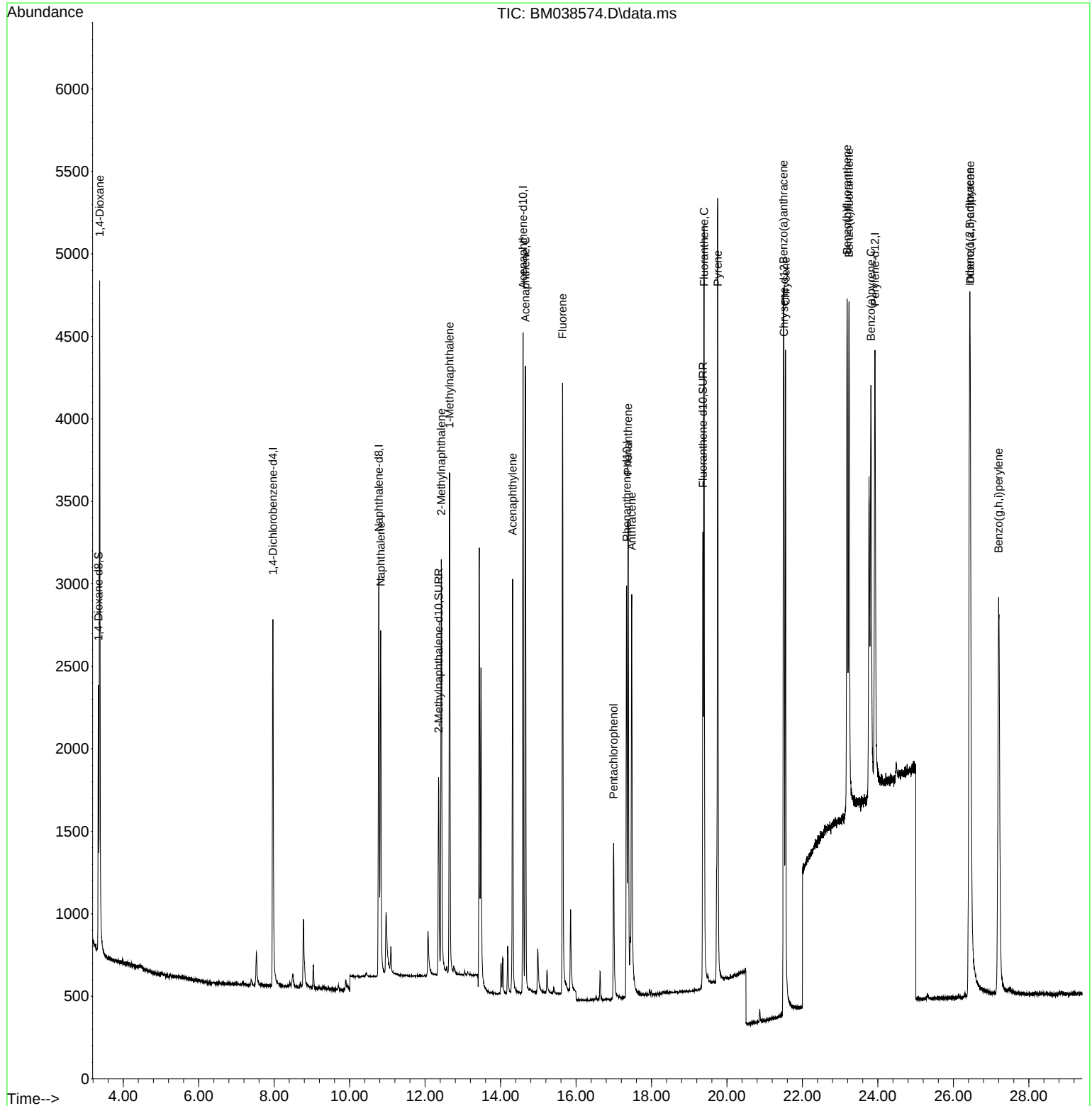
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	1375	0.400	ng/ul	0.00
4) Naphthalene-d8	10.774	136	3596	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.597	164	2156	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.341	188	3628	0.400	ng/ul	0.00
17) Chrysene-d12	21.513	240	2996	0.400	ng/ul	0.00
23) Perylene-d12	23.924	264	3788	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	1089	0.603	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.357	152	1790	0.321	ng/ul	0.00
18) Fluoranthene-d10	19.362	212	3540	0.414	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.377	88	2881	1.572	ng/ul#	20
5) Naphthalene	10.823	128	3016	0.258	ng/ul	99
7) 2-Methylnaphthalene	12.429	142	1920	0.311	ng/ul	100
8) 1-Methylnaphthalene	12.649	142	2053	0.322	ng/ul	99
10) Acenaphthylene	14.319	152	2952	0.310	ng/ul	99
11) Acenaphthene	14.657	153	2268	0.313	ng/ul	99
12) Fluorene	15.642	166	2615	0.289	ng/ul	99
14) Pentachlorophenol	16.995	266	801	0.542	ng/ul	99
15) Phenanthrene	17.379	178	3295	0.281	ng/ul	95
16) Anthracene	17.477	178	3222	0.322	ng/ul	97
19) Fluoranthene	19.394	202	4488	0.420	ng/ul	99
20) Pyrene	19.757	202	4692	0.408	ng/ul	97
21) Benzo(a)anthracene	21.498	228	3502	0.329	ng/ul	98
22) Chrysene	21.551	228	3646	0.341	ng/ul	99
24) Benzo(b)fluoranthene	23.184	252	4591	0.322	ng/ul	95
25) Benzo(k)fluoranthene	23.234	252	4528	0.327	ng/ul	96
26) Benzo(a)pyrene	23.816	252	4435	0.347	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.431	276	6964	0.386	ng/ul#	65
28) Dibenzo(a,h)anthracene	26.445	278	5564	0.388	ng/ul	96
29) Benzo(g,h,i)perylene	27.203	276	6299	0.403	ng/ul	97

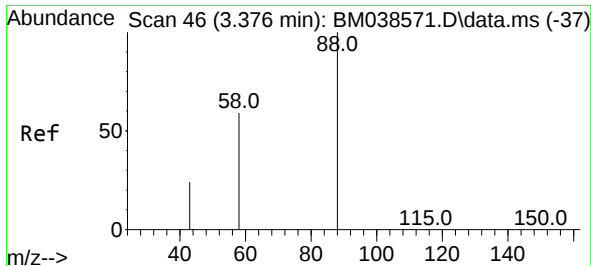
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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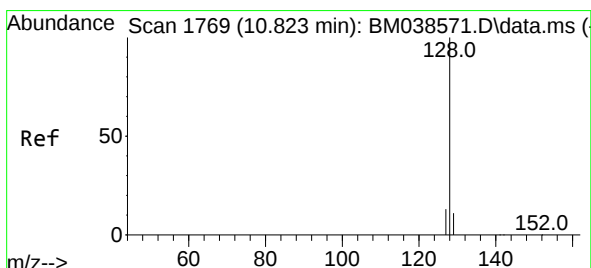
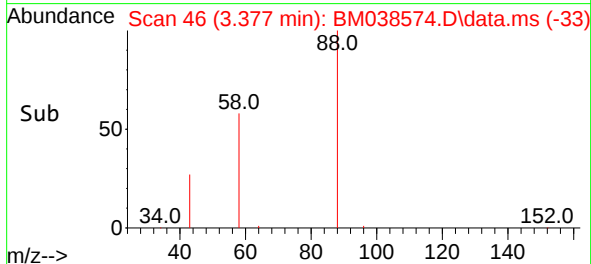
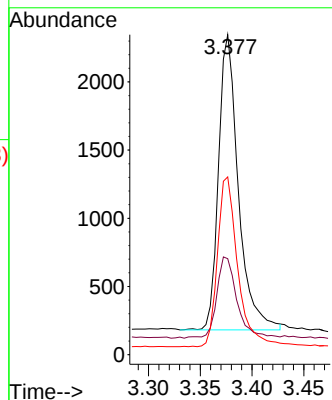
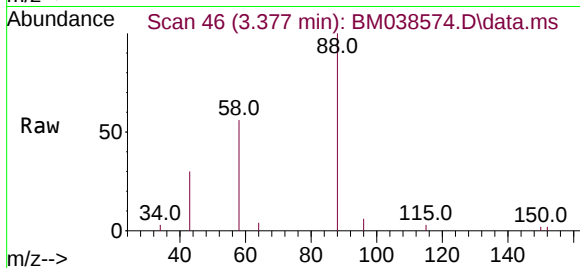




#2
 1,4-Dioxane
 Concen: 1.572 ng/ul
 RT: 3.377 min Scan# 46
 Delta R.T. -0.004 min
 Lab File: BM038574.D
 Acq: 27 Jan 2023 07:39

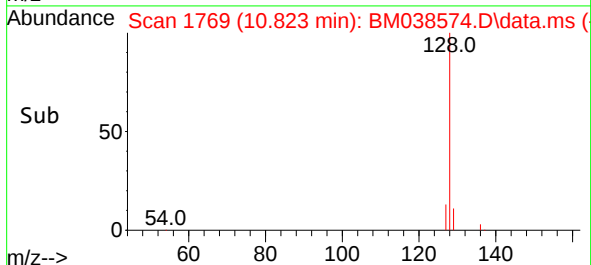
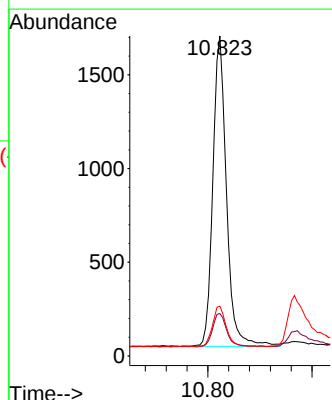
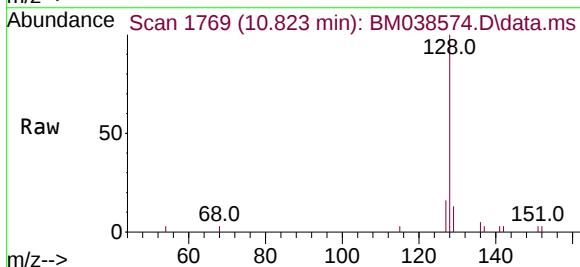
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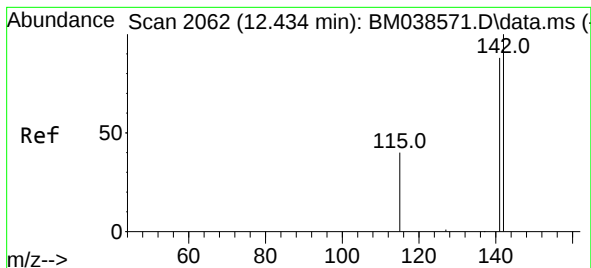
Tgt Ion: 88 Resp: 2881
 Ion Ratio Lower Upper
 88 100
 43 30.0 141.3 211.9#
 58 55.5 45.7 68.5



#5
 Naphthalene
 Concen: 0.258 ng/ul
 RT: 10.823 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BM038574.D
 Acq: 27 Jan 2023 07:39

Tgt Ion: 128 Resp: 3016
 Ion Ratio Lower Upper
 128 100
 129 13.2 10.3 15.5
 127 15.5 11.9 17.9

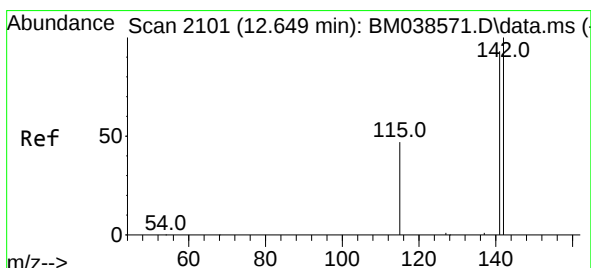
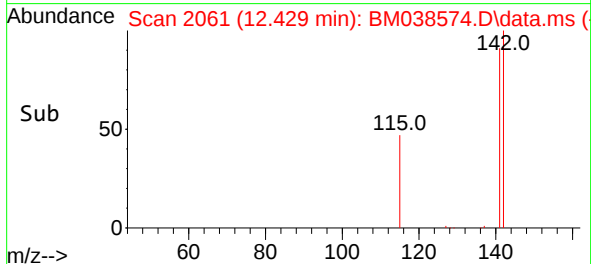
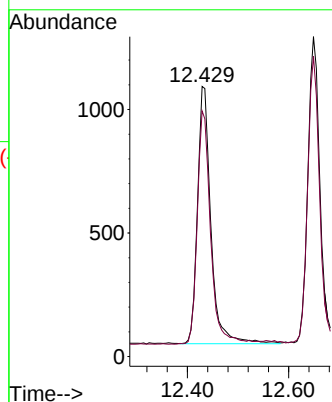
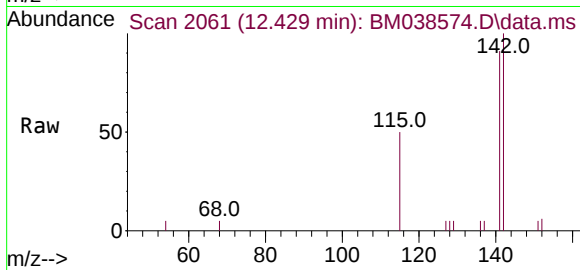




#7
2-Methylnaphthalene
Concen: 0.311 ng/ul
RT: 12.429 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

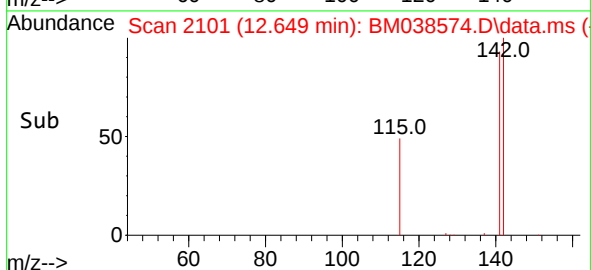
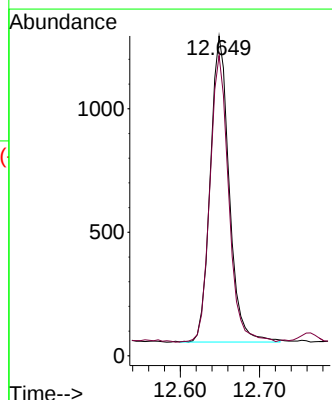
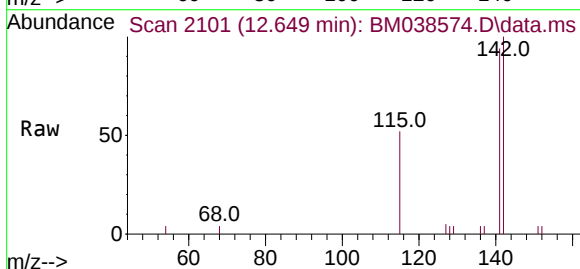
Instrument :
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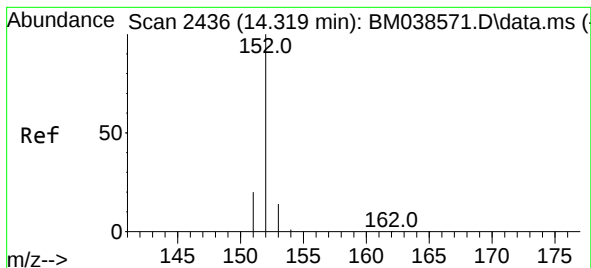
Tgt Ion:142 Resp: 1920
Ion Ratio Lower Upper
142 100
141 92.3 73.7 110.5



#8
1-Methylnaphthalene
Concen: 0.322 ng/ul
RT: 12.649 min Scan# 2101
Delta R.T. -0.005 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:142 Resp: 2053
Ion Ratio Lower Upper
142 100
141 93.1 74.0 111.0





#10

Acenaphthylene

Concen: 0.310 ng/ul

RT: 14.319 min Scan# 2436

Delta R.T. -0.005 min

Lab File: BM038574.D

Acq: 27 Jan 2023 07:39

Instrument :

BNA_M

ClientSampleId :

SLCS408

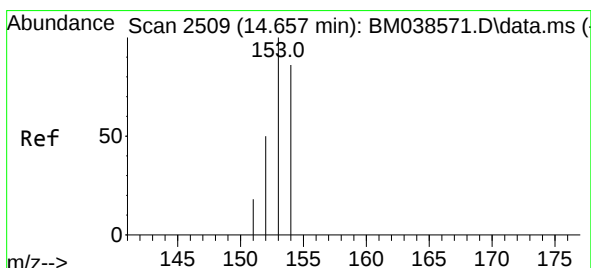
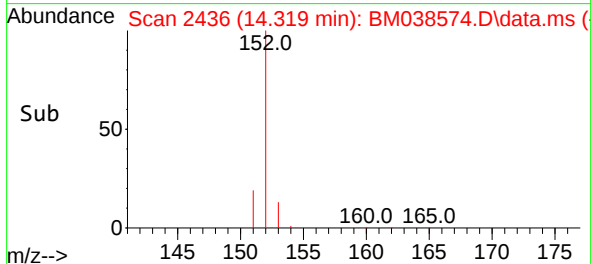
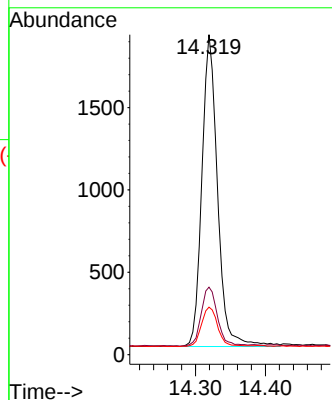
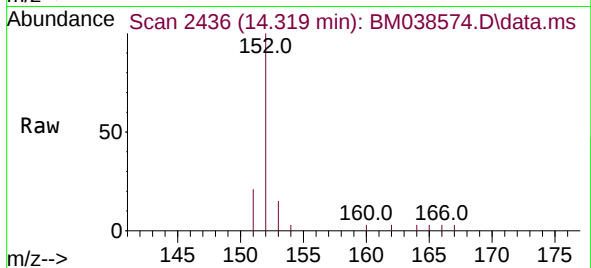
Tgt Ion:152 Resp: 2952

Ion Ratio Lower Upper

152 100

151 21.1 16.3 24.5

153 14.8 11.8 17.6



#11

Acenaphthene

Concen: 0.313 ng/ul

RT: 14.657 min Scan# 2509

Delta R.T. -0.005 min

Lab File: BM038574.D

Acq: 27 Jan 2023 07:39

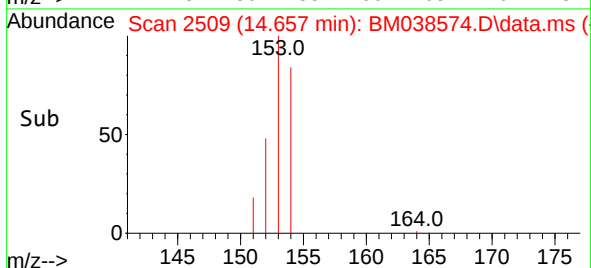
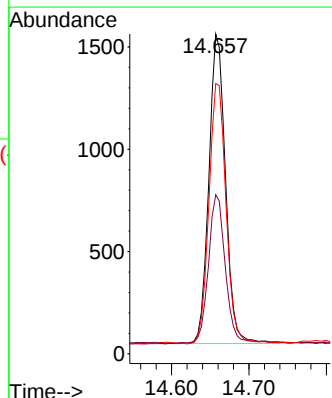
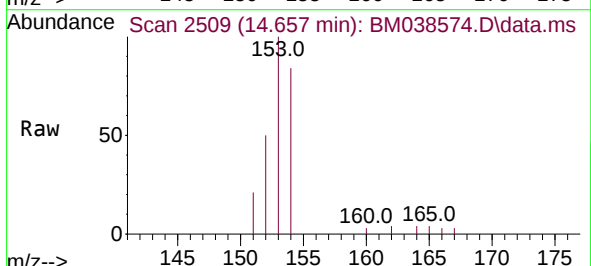
Tgt Ion:153 Resp: 2268

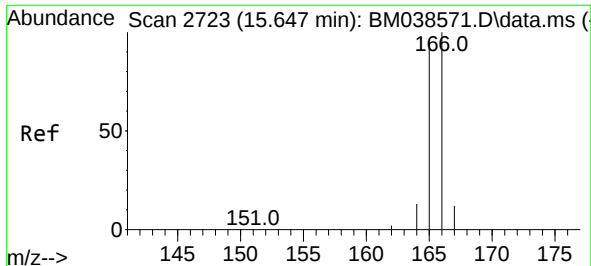
Ion Ratio Lower Upper

153 100

152 49.7 40.1 60.1

154 84.5 68.4 102.6

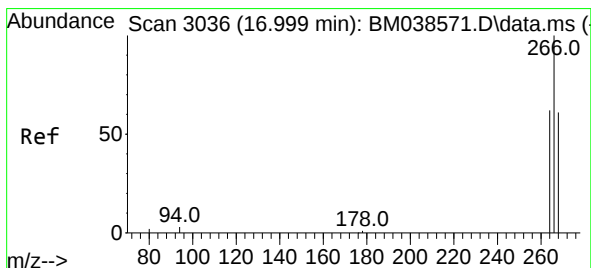
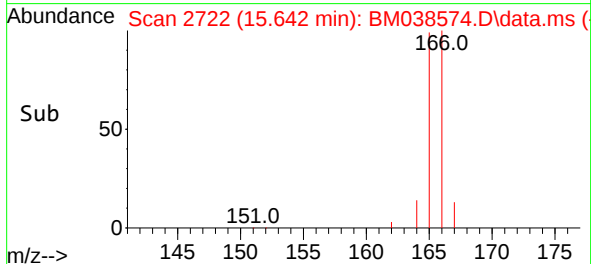
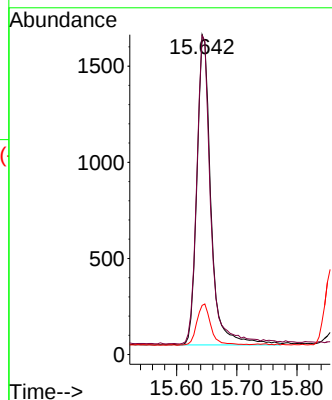
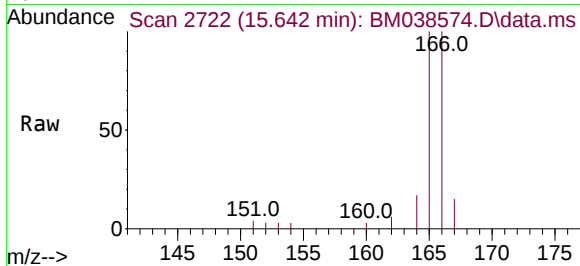




#12
 Fluorene
 Concen: 0.289 ng/ul
 RT: 15.642 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM038574.D
 Acq: 27 Jan 2023 07:39

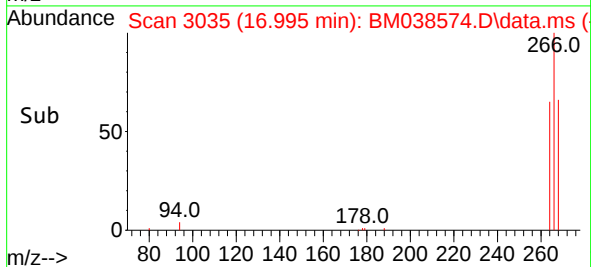
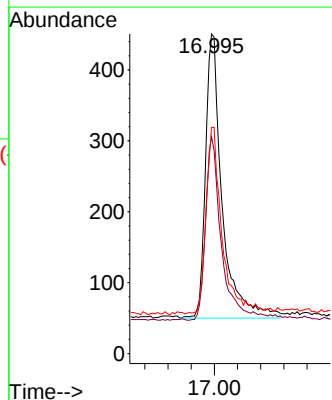
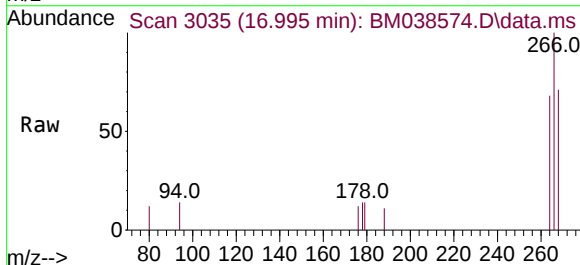
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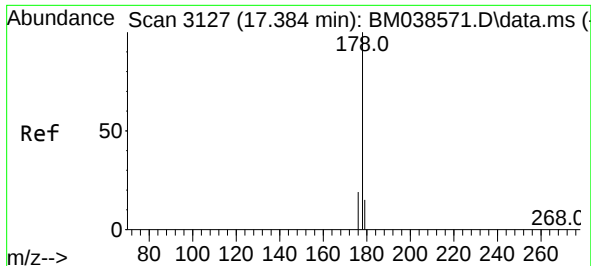
Tgt Ion:	166	Resp:	2615
Ion Ratio	Lower	Upper	
166	100		
165	99.7	79.3	118.9
167	15.4	11.9	17.9



#14
 Pentachlorophenol
 Concen: 0.542 ng/ul
 RT: 16.995 min Scan# 3035
 Delta R.T. -0.004 min
 Lab File: BM038574.D
 Acq: 27 Jan 2023 07:39

Tgt Ion:	266	Resp:	801
Ion Ratio	Lower	Upper	
266	100		
264	62.3	49.4	74.2
268	64.0	51.7	77.5

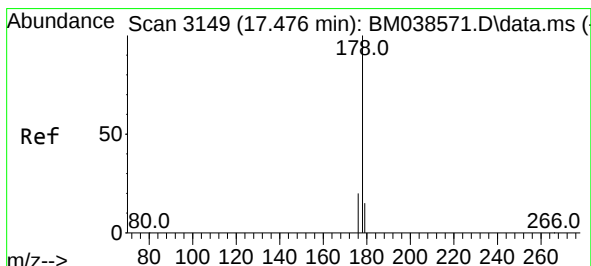
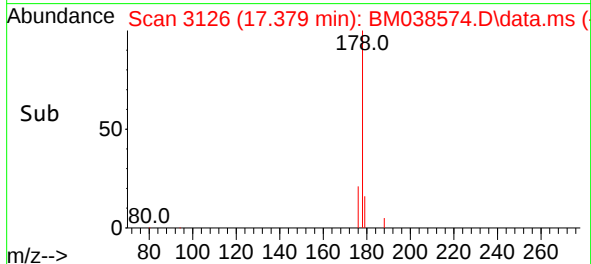
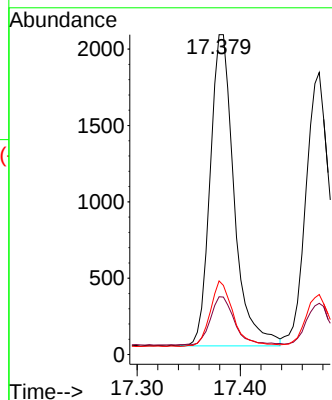
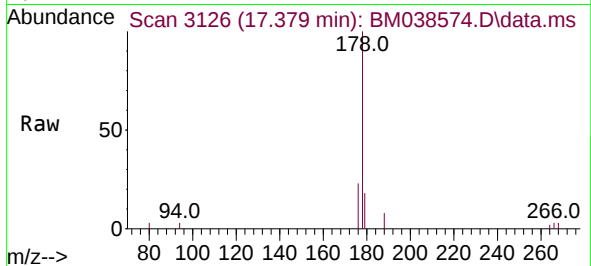




#15
Phenanthrene
Concen: 0.281 ng/ul
RT: 17.379 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

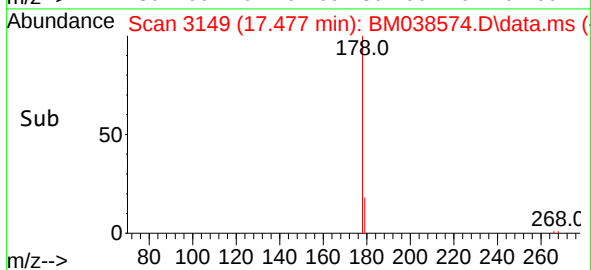
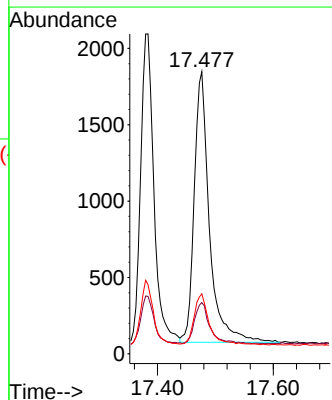
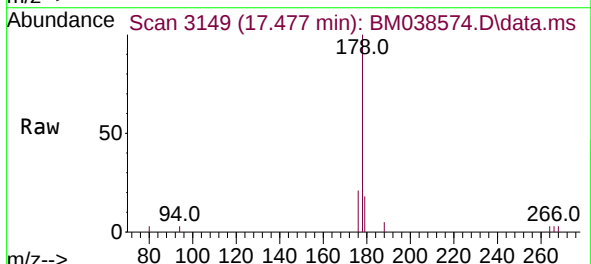
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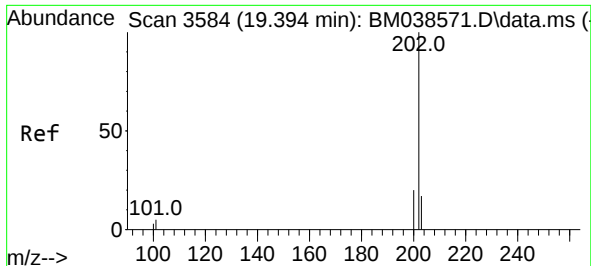
Tgt Ion:178 Resp: 3295
Ion Ratio Lower Upper
178 100
179 18.1 13.0 19.4
176 23.0 16.4 24.6



#16
Anthracene
Concen: 0.322 ng/ul
RT: 17.477 min Scan# 3149
Delta R.T. 0.000 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:178 Resp: 3222
Ion Ratio Lower Upper
178 100
179 18.2 13.2 19.8
176 21.3 16.2 24.4

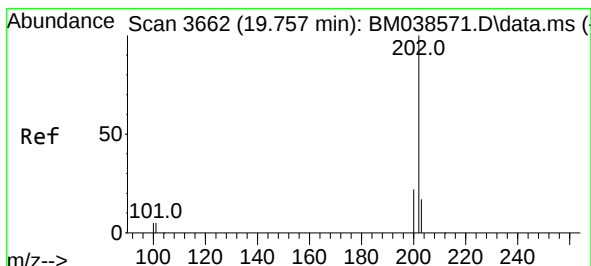
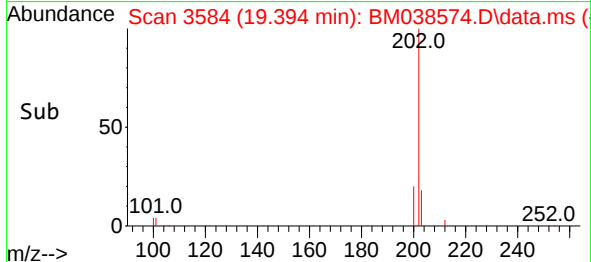
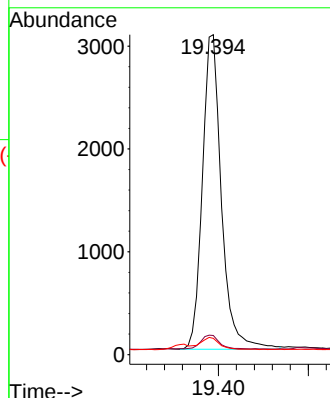
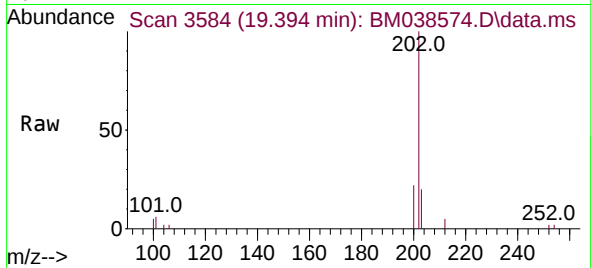




#19
Fluoranthene
Concen: 0.420 ng/ul
RT: 19.394 min Scan# 3584
Delta R.T. 0.000 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

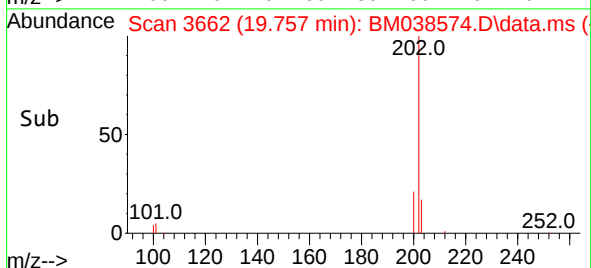
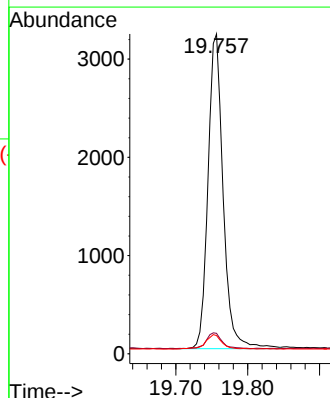
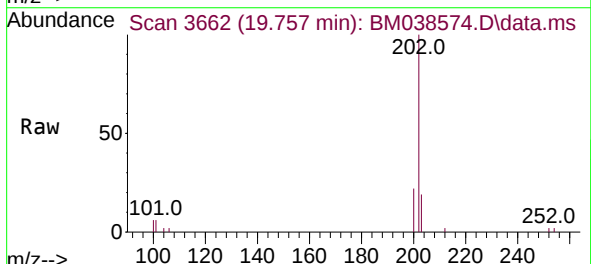
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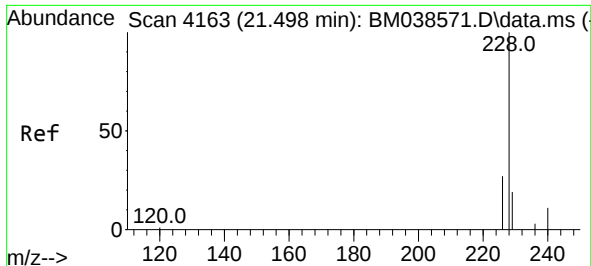
Tgt Ion:202 Resp: 4488
Ion Ratio Lower Upper
202 100
101 6.0 5.3 7.9
100 5.1 4.2 6.2



#20
Pyrene
Concen: 0.408 ng/ul
RT: 19.757 min Scan# 3662
Delta R.T. 0.000 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:202 Resp: 4692
Ion Ratio Lower Upper
202 100
101 6.4 5.9 8.9
100 5.7 5.2 7.8

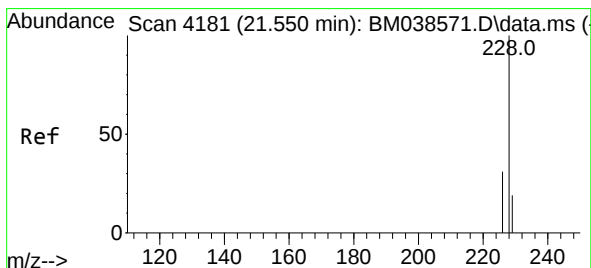
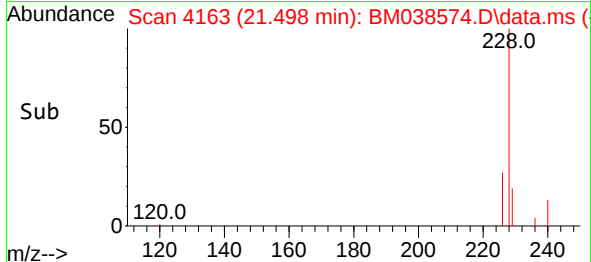
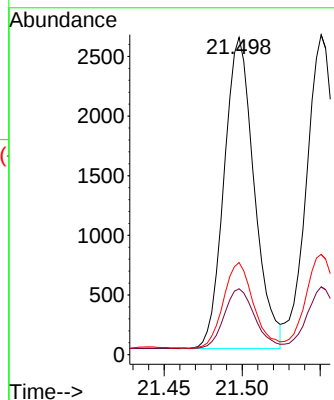
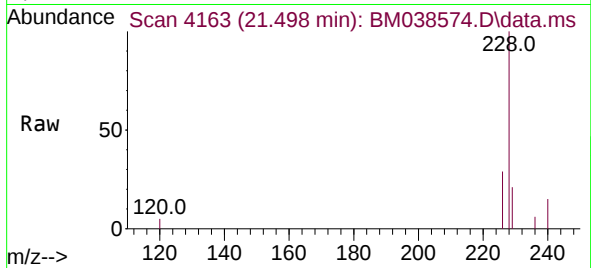




#21
Benzo(a)anthracene
Concen: 0.329 ng/ul
RT: 21.498 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

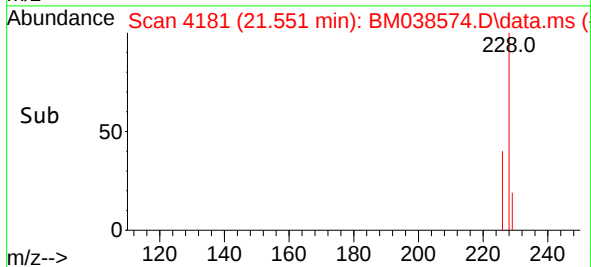
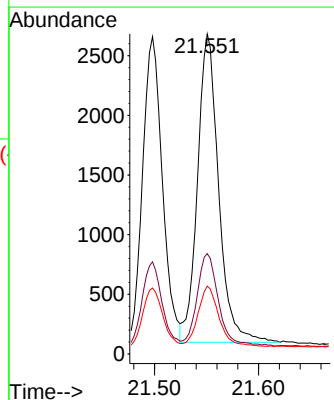
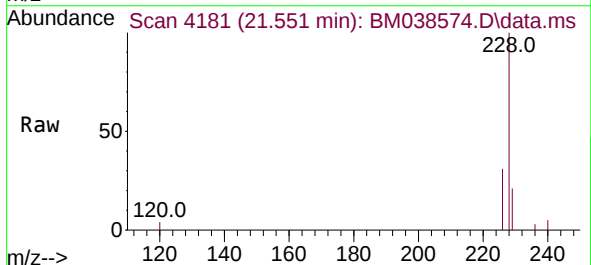
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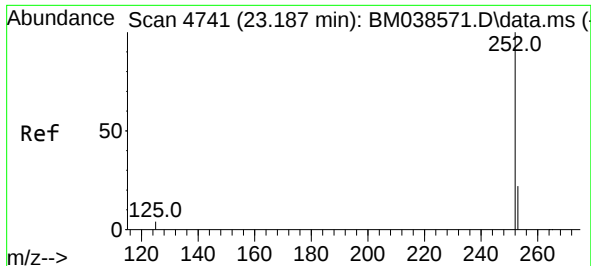
Tgt Ion:228 Resp: 3502
Ion Ratio Lower Upper
228 100
229 20.8 16.7 25.1
226 29.1 22.2 33.4



#22
Chrysene
Concen: 0.341 ng/ul
RT: 21.551 min Scan# 4181
Delta R.T. -0.003 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:228 Resp: 3646
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.2 16.2 24.4

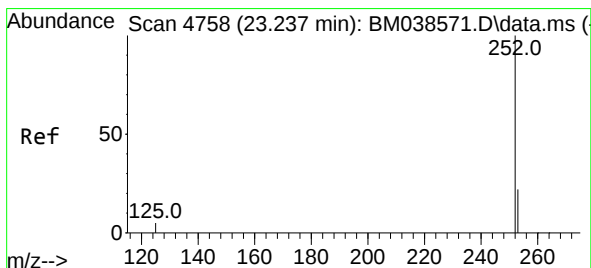
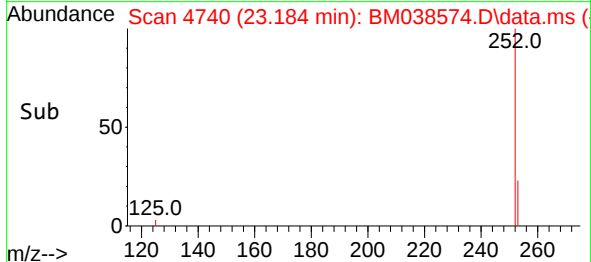
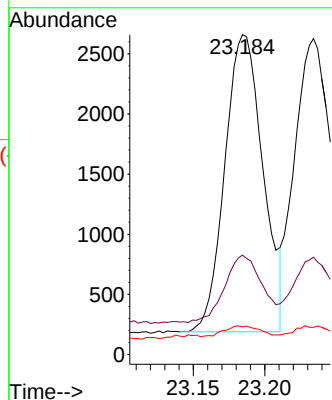
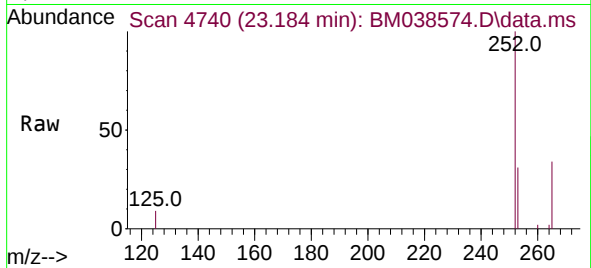




#24
Benzo(b)fluoranthene
Concen: 0.322 ng/ul
RT: 23.184 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

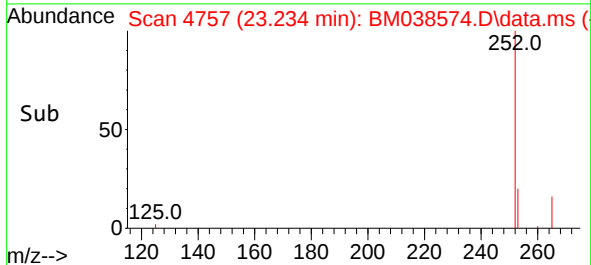
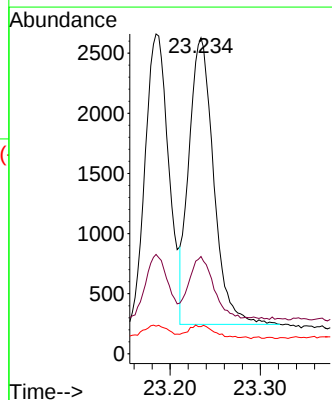
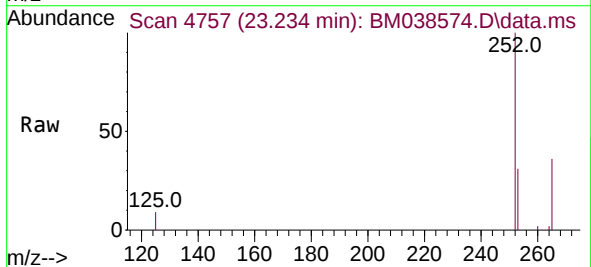
Instrument :
BNA_M
ClientSampleId :
SLCS408

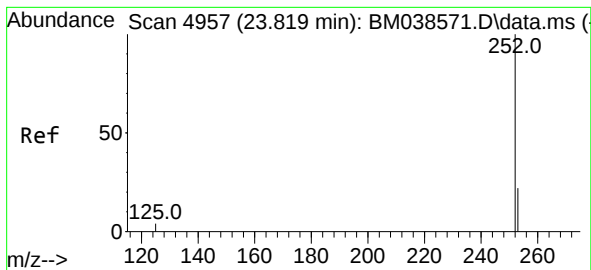
Tgt Ion:252 Resp: 4591
Ion Ratio Lower Upper
252 100
253 31.1 0.0 56.6
125 8.6 0.0 21.4



#25
Benzo(k)fluoranthene
Concen: 0.327 ng/ul
RT: 23.234 min Scan# 4757
Delta R.T. -0.006 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:252 Resp: 4528
Ion Ratio Lower Upper
252 100
253 30.8 23.1 34.7
125 8.6 8.4 12.6





#26

Benzo(a)pyrene

Concen: 0.347 ng/ul

RT: 23.816 min Scan# 4957

Delta R.T. -0.006 min

Lab File: BM038574.D

Acq: 27 Jan 2023 07:39

Instrument :

BNA_M

ClientSampleId :

SLCS408

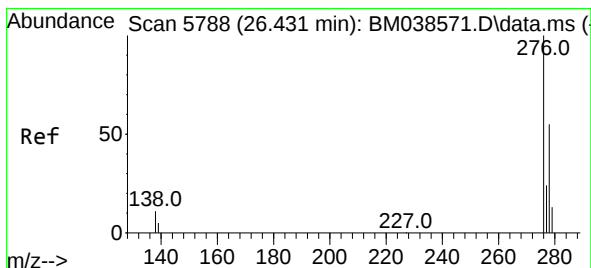
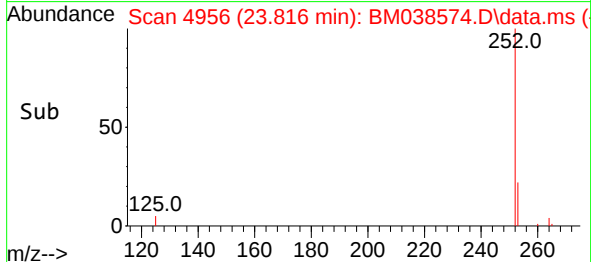
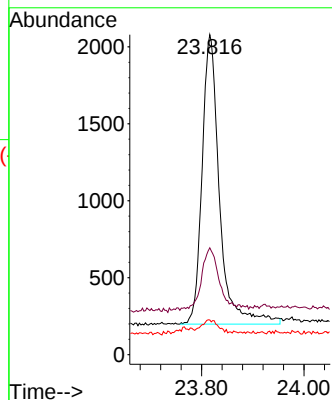
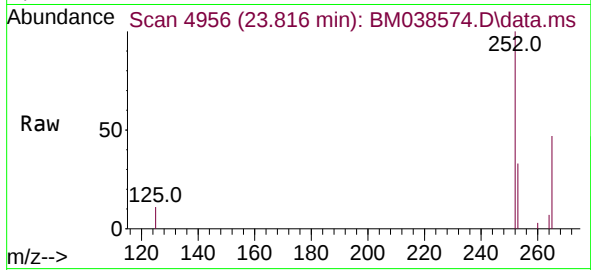
Tgt Ion:252 Resp: 4435

Ion Ratio Lower Upper

252 100

253 33.4 25.1 37.7

125 10.9 10.0 15.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.386 ng/ul

RT: 26.431 min Scan# 5788

Delta R.T. -0.010 min

Lab File: BM038574.D

Acq: 27 Jan 2023 07:39

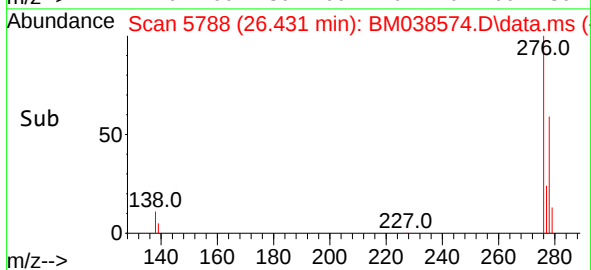
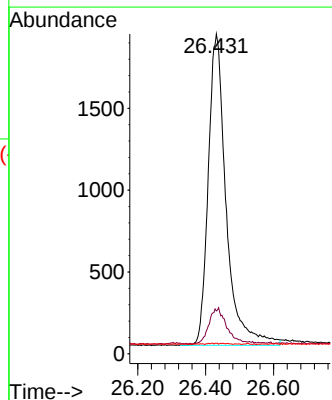
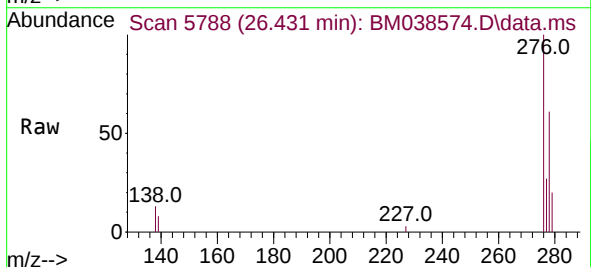
Tgt Ion:276 Resp: 6964

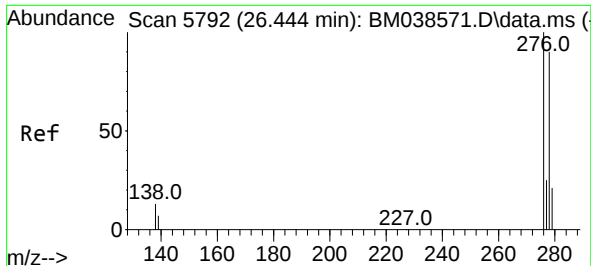
Ion Ratio Lower Upper

276 100

138 0.0 11.7 17.5#

227 0.1 0.3 0.5#

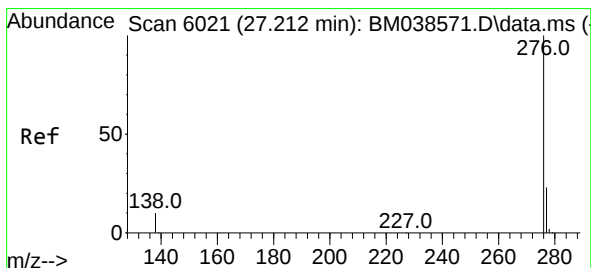
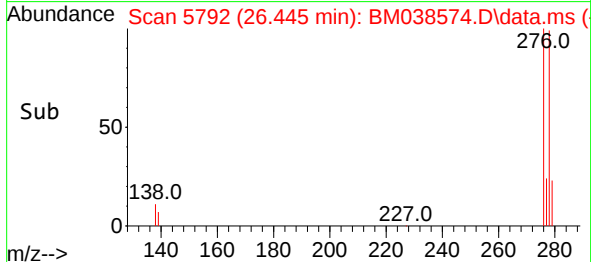
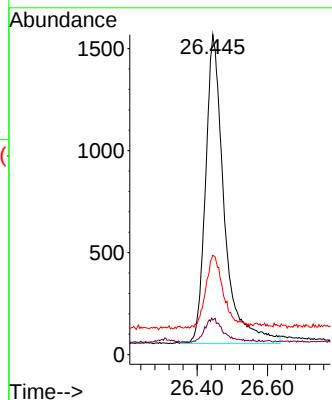
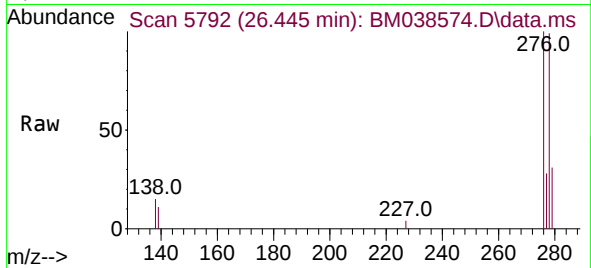




#28
Dibenzo(a,h)anthracene
Concen: 0.388 ng/ul
RT: 26.445 min Scan# 5792
Delta R.T. -0.013 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Instrument :
BNA_M
ClientSampleId :
SLCS408

Tgt Ion:278 Resp: 5564
Ion Ratio Lower Upper
278 100
139 10.8 9.8 14.8
279 31.1 23.3 34.9



#29
Benzo(g,h,i)perylene
Concen: 0.403 ng/ul
RT: 27.203 min Scan# 6018
Delta R.T. -0.017 min
Lab File: BM038574.D
Acq: 27 Jan 2023 07:39

Tgt Ion:276 Resp: 6299
Ion Ratio Lower Upper
276 100
138 13.0 12.6 19.0
277 25.9 20.5 30.7

