

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020823\
 Data File : BM038722.D
 Acq On : 08 Feb 2023 16:08
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4071

Quant Time: Feb 08 23:57:42 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM020723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 14:57:50 2023
 Response via : Initial Calibration

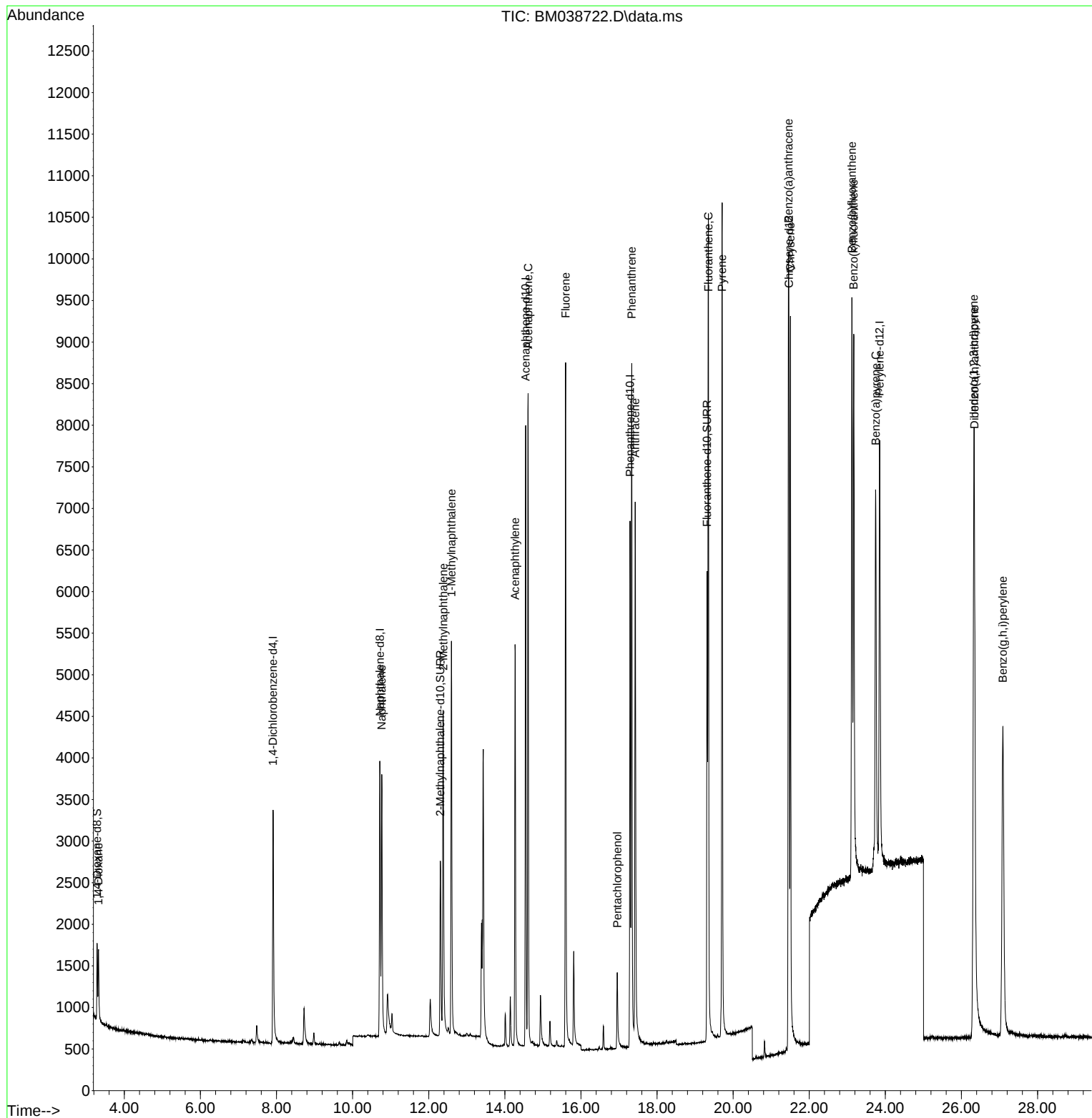
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.908	152	1840	0.400	ng/ul	0.00
4) Naphthalene-d8	10.715	136	5237	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.547	164	3970	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.291	188	8349	0.400	ng/ul	0.00
17) Chrysene-d12	21.467	240	6476	0.400	ng/ul	0.00
23) Perylene-d12	23.849	264	7278	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	697	0.359	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.304	152	3322	0.366	ng/ul	0.00
18) Fluoranthene-d10	19.316	212	6938	0.367	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.322	88	659	0.356	ng/ul	96
5) Naphthalene	10.764	128	4587	0.358	ng/ul	99
7) 2-Methylnaphthalene	12.381	142	3394	0.370	ng/ul	99
8) 1-Methylnaphthalene	12.595	142	3472	0.370	ng/ul	98
10) Acenaphthylene	14.269	152	5967	0.353	ng/ul	100
11) Acenaphthene	14.611	153	4638	0.361	ng/ul	100
12) Fluorene	15.597	166	5516	0.359	ng/ul	99
14) Pentachlorophenol	16.954	266	808	0.349	ng/ul	98
15) Phenanthrene	17.334	178	8735	0.350	ng/ul	100
16) Anthracene	17.427	178	7918	0.345	ng/ul	99
19) Fluoranthene	19.348	202	9298	0.363	ng/ul	99
20) Pyrene	19.711	202	9858	0.360	ng/ul	99
21) Benzo(a)anthracene	21.452	228	7571	0.349	ng/ul	99
22) Chrysene	21.505	228	7697	0.340	ng/ul	99
24) Benzo(b)fluoranthene	23.121	252	9552	0.364	ng/ul	99
25) Benzo(k)fluoranthene	23.168	252	9238	0.354	ng/ul	99
26) Benzo(a)pyrene	23.743	252	8016	0.341	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.325	276	10967	0.299	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.338	278	8561	0.298	ng/ul	97
29) Benzo(g,h,i)perylene	27.086	276	9392	0.287	ng/ul	99

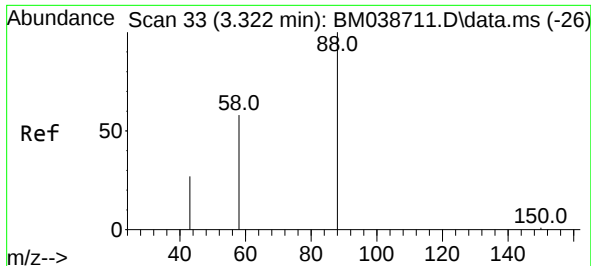
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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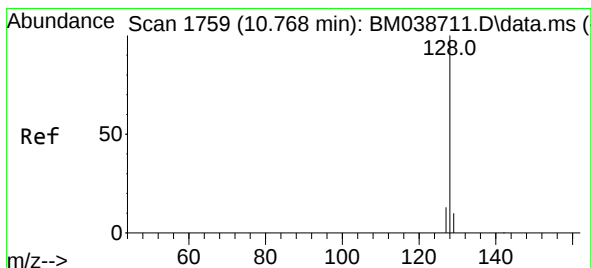
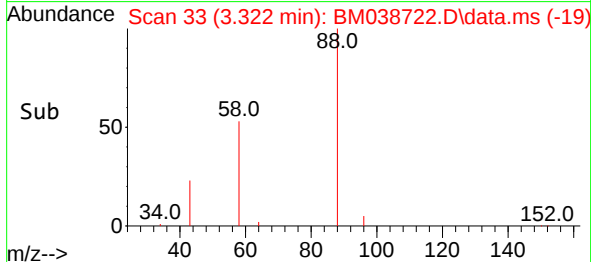
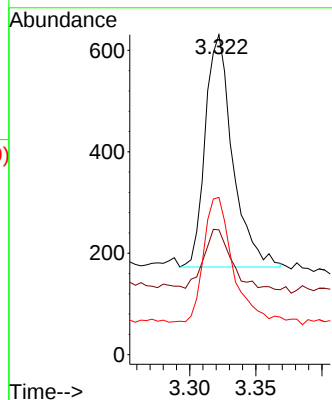
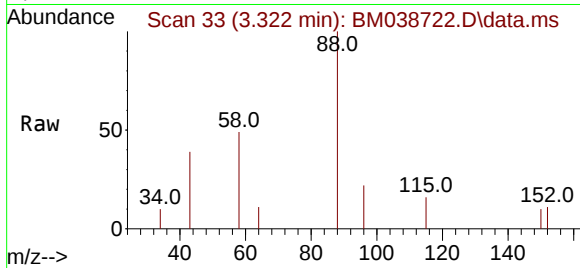




#2
1,4-Dioxane
Concen: 0.356 ng/ul
RT: 3.322 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

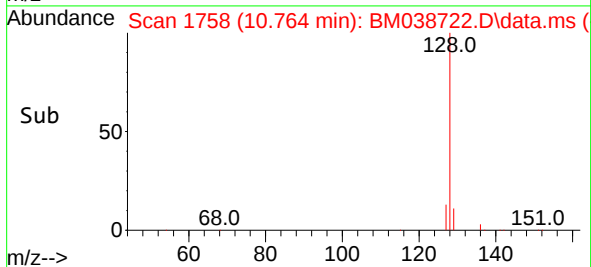
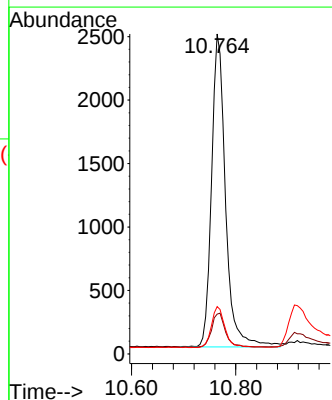
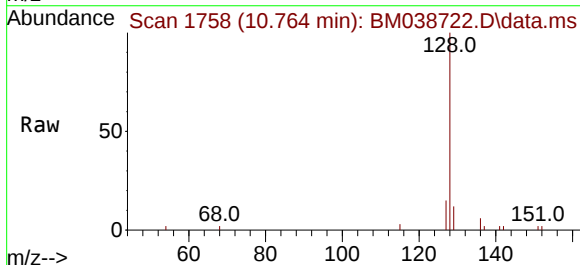
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

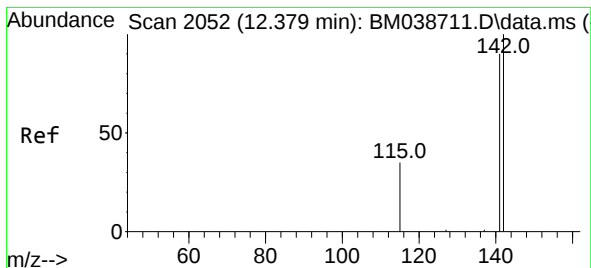
Tgt Ion: 88 Resp: 659
Ion Ratio Lower Upper
88 100
43 39.0 28.4 42.6
58 49.1 37.7 56.5



#5
Naphthalene
Concen: 0.358 ng/ul
RT: 10.764 min Scan# 1758
Delta R.T. -0.004 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion: 128 Resp: 4587
Ion Ratio Lower Upper
128 100
129 12.4 10.2 15.4
127 14.8 11.2 16.8

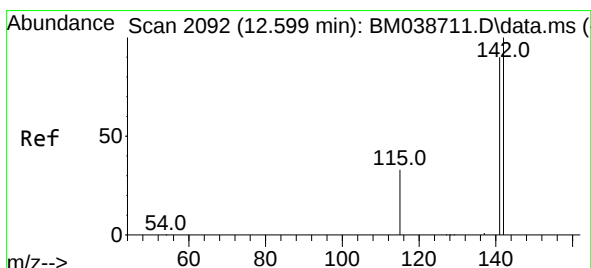
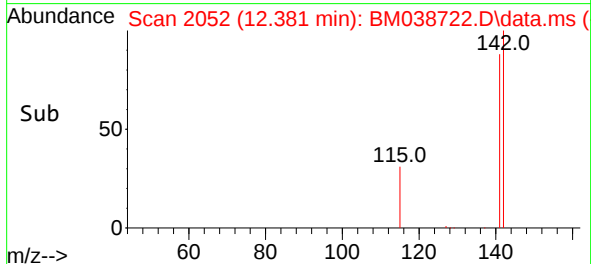
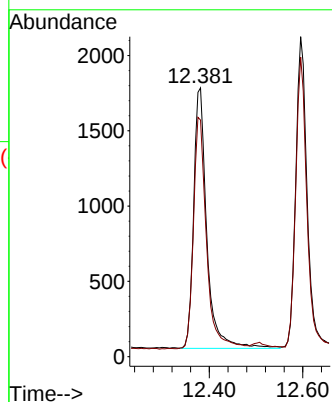
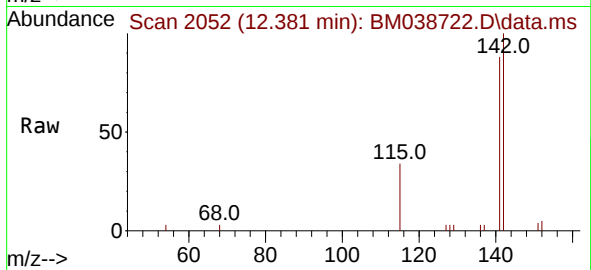




#7
2-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.381 min Scan# 2052
Delta R.T. 0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

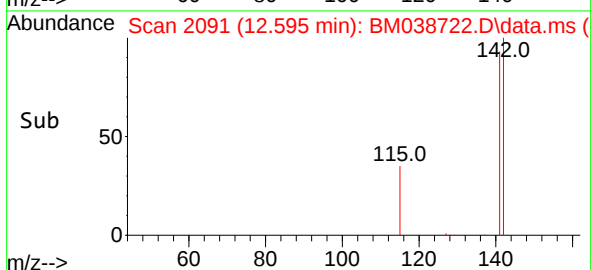
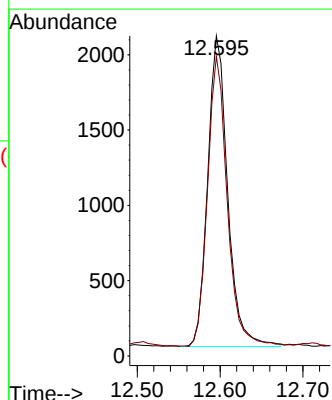
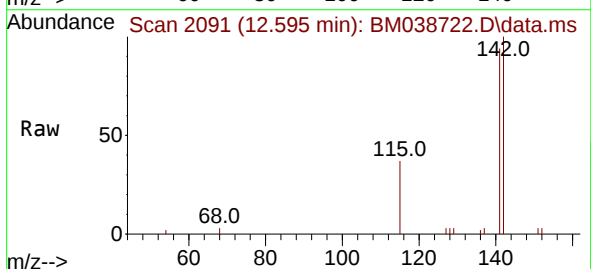
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

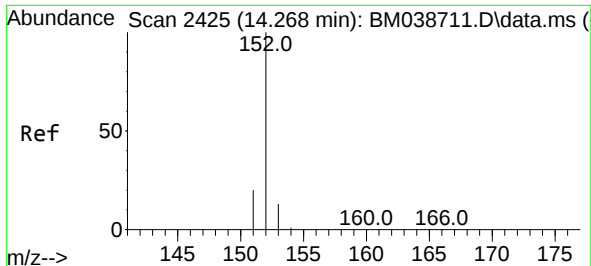
Tgt Ion:142 Resp: 3394
Ion Ratio Lower Upper
142 100
141 87.9 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.595 min Scan# 2091
Delta R.T. -0.004 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:142 Resp: 3472
Ion Ratio Lower Upper
142 100
141 91.4 74.6 112.0

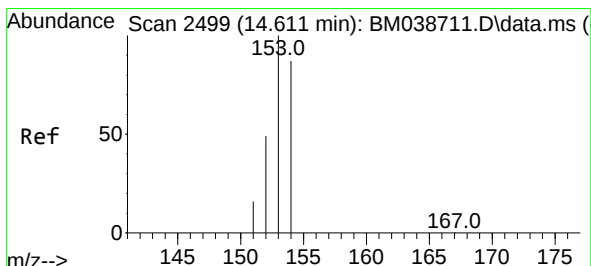
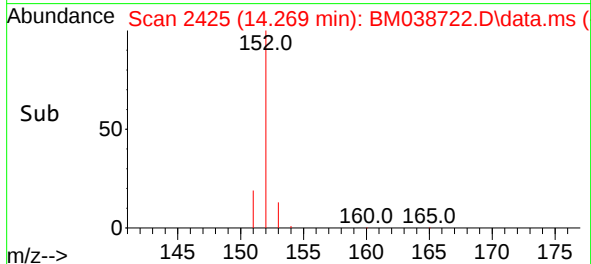
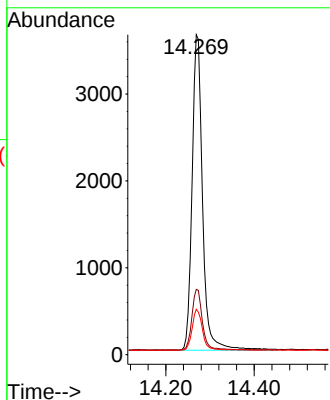
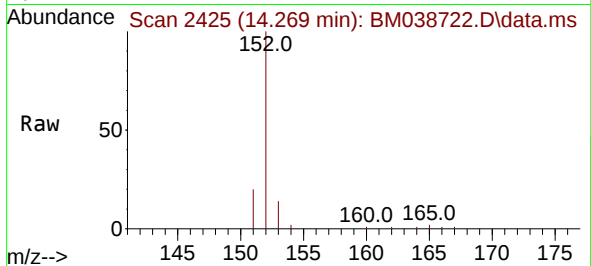




#10
Acenaphthylene
Concen: 0.353 ng/ul
RT: 14.269 min Scan# 2425
Delta R.T. -0.004 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

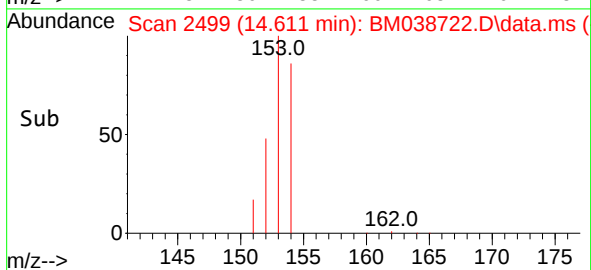
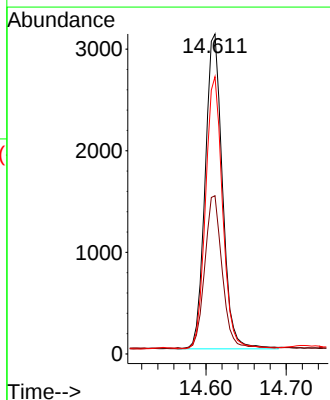
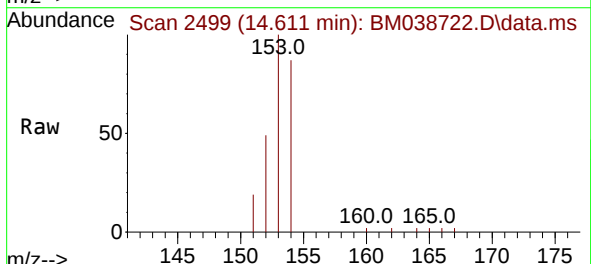
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

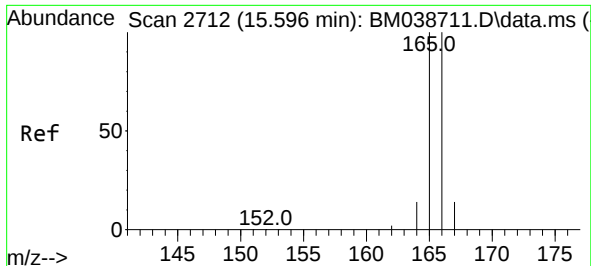
Tgt Ion:152	Resp:	5967
Ion Ratio	Lower	Upper
152	100	
151	20.4	16.5 24.7
153	14.2	11.2 16.8



#11
Acenaphthene
Concen: 0.361 ng/ul
RT: 14.611 min Scan# 2499
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:153	Resp:	4638
Ion Ratio	Lower	Upper
153	100	
152	49.4	39.6 59.4
154	86.7	69.6 104.4

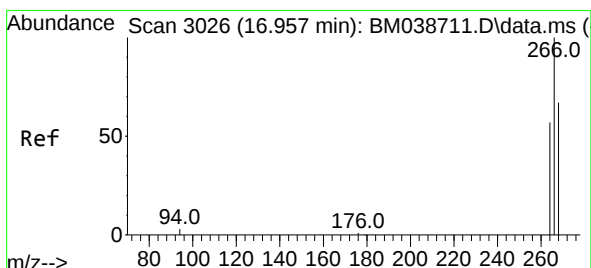
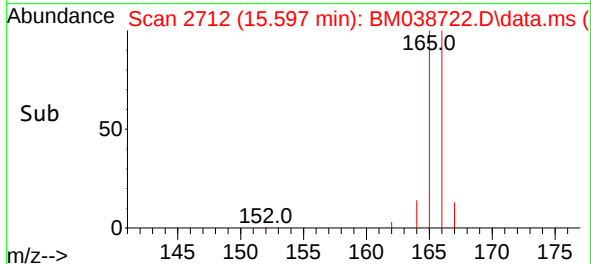
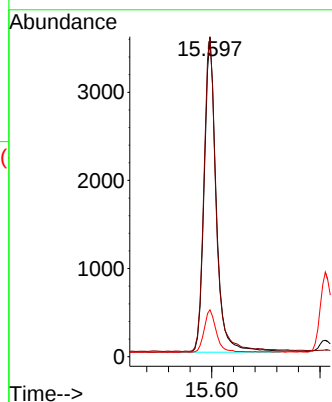
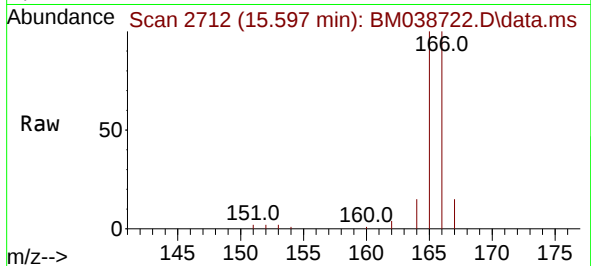




#12
Fluorene
Concen: 0.359 ng/ul
RT: 15.597 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

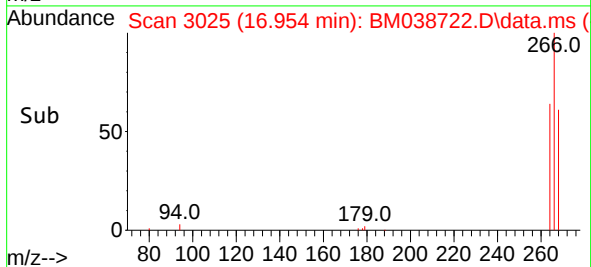
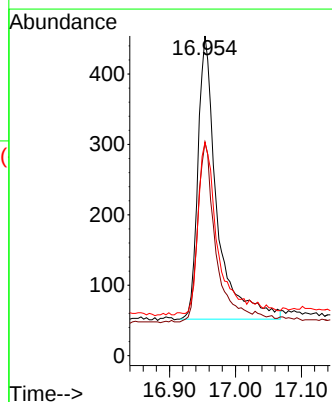
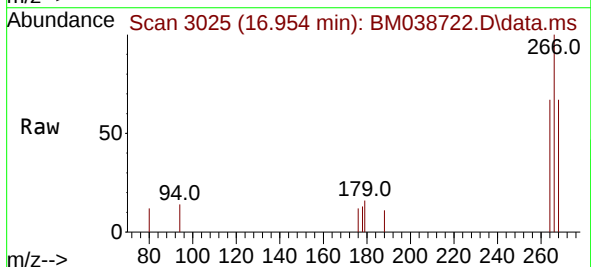
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

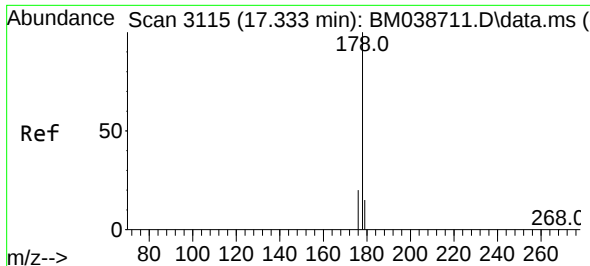
Tgt Ion:166 Resp: 5516
Ion Ratio Lower Upper
166 100
165 100.3 80.7 121.1
167 14.7 11.8 17.6



#14
Pentachlorophenol
Concen: 0.349 ng/ul
RT: 16.954 min Scan# 3025
Delta R.T. -0.003 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:266 Resp: 808
Ion Ratio Lower Upper
266 100
264 62.0 47.3 70.9
268 62.9 50.9 76.3

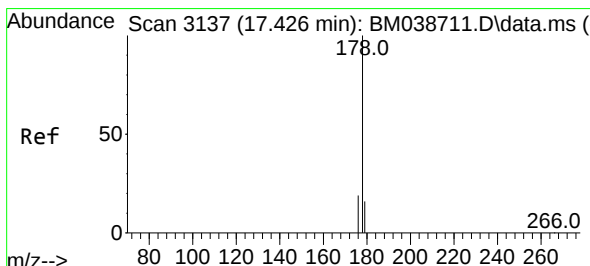
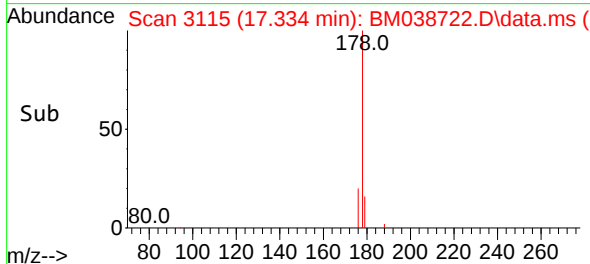
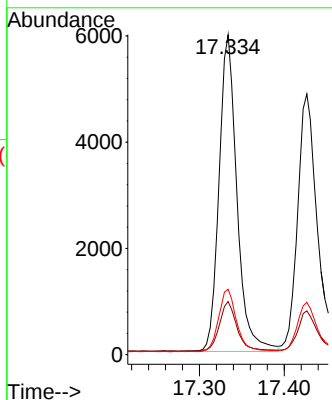
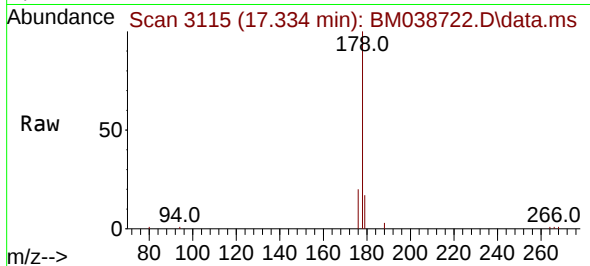




#15
Phenanthrene
Concen: 0.350 ng/u1
RT: 17.334 min Scan# 3115
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

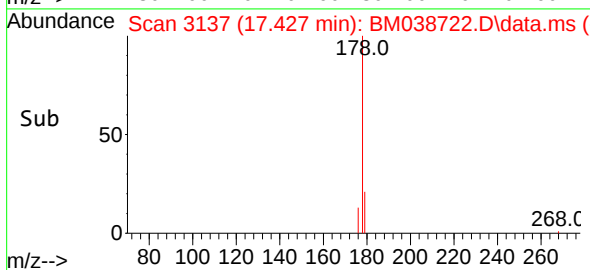
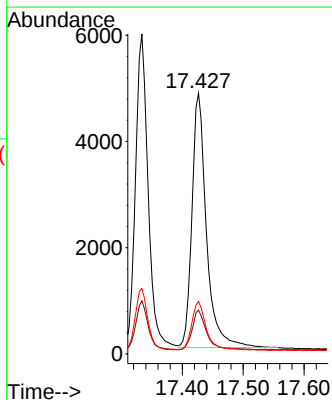
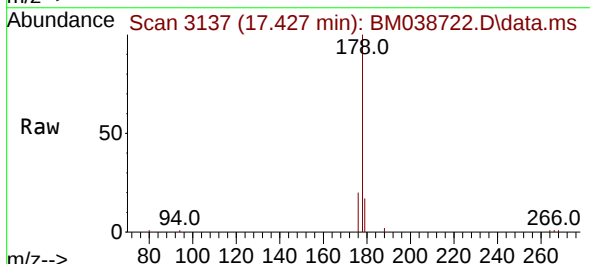
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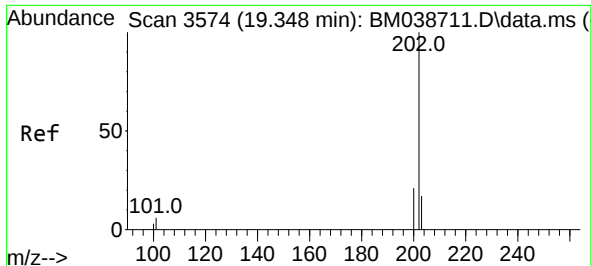
Tgt Ion:	178	Resp:	8735
Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.0	19.6
176	20.4	16.5	24.7



#16
Anthracene
Concen: 0.345 ng/u1
RT: 17.427 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:	178	Resp:	7918
Ion	Ratio	Lower	Upper
178	100		
179	16.8	13.2	19.8
176	20.1	16.6	24.8

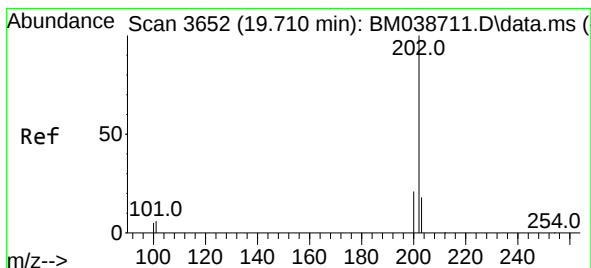
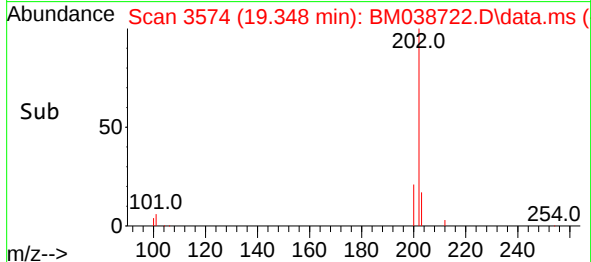
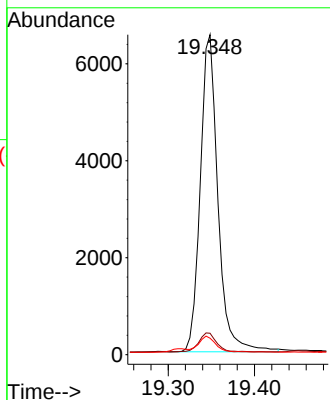
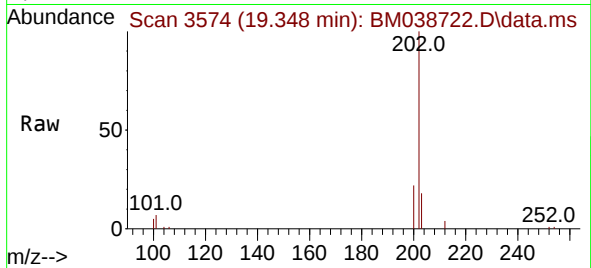




#19
Fluoranthene
Concen: 0.363 ng/ul
RT: 19.348 min Scan# 3574
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

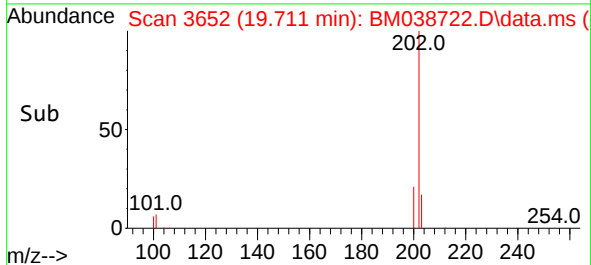
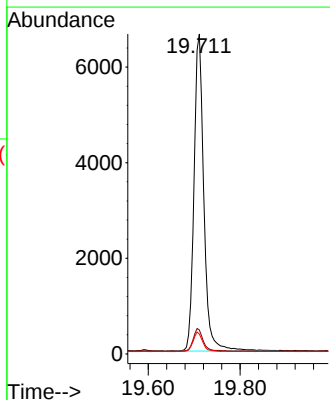
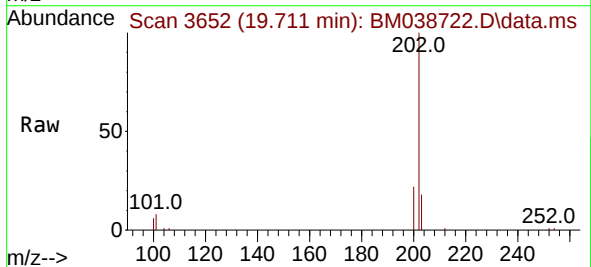
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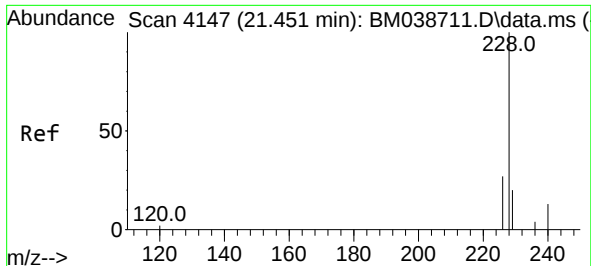
Tgt Ion:	202	Resp:	9298
Ion Ratio	Lower	Upper	
202	100		
101	6.7	5.0	7.6
100	5.1	4.6	6.8



#20
Pyrene
Concen: 0.360 ng/ul
RT: 19.711 min Scan# 3652
Delta R.T. 0.001 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:	202	Resp:	9858
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.2
100	6.3	5.2	7.8

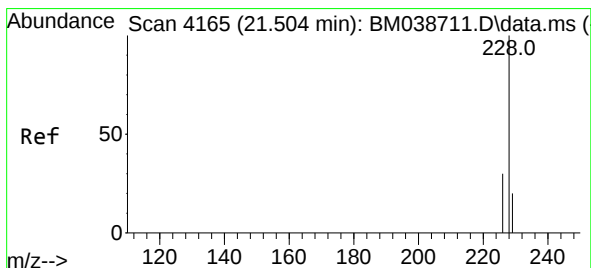
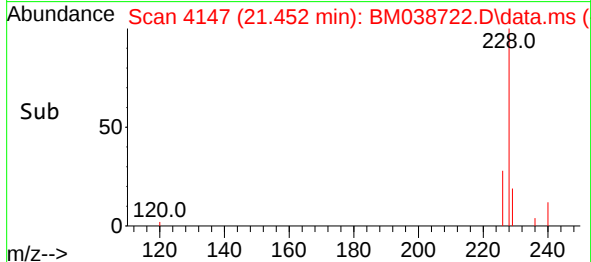
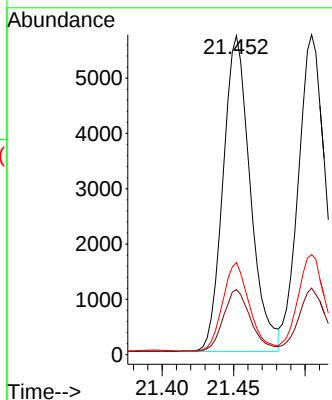
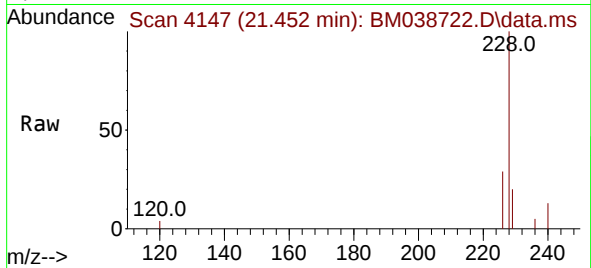




#21
Benzo(a)anthracene
Concen: 0.349 ng/ul
RT: 21.452 min Scan# 4147
Delta R.T. -0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

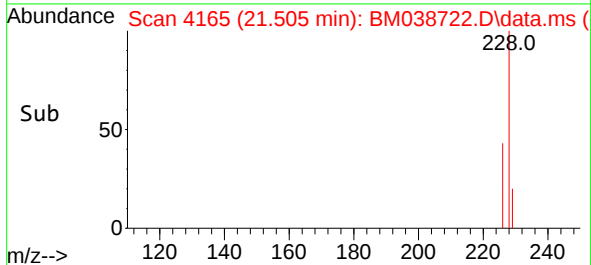
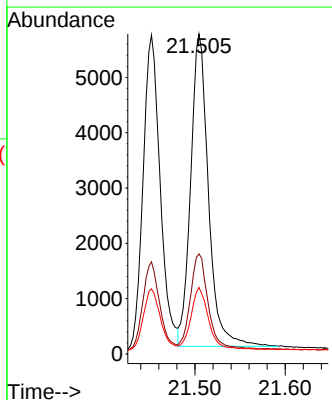
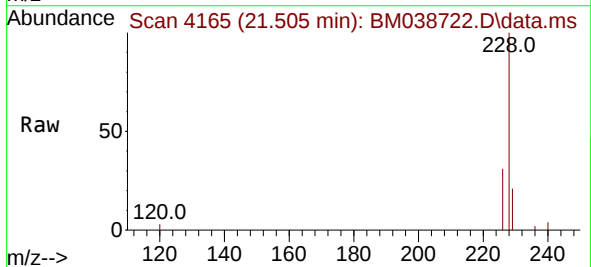
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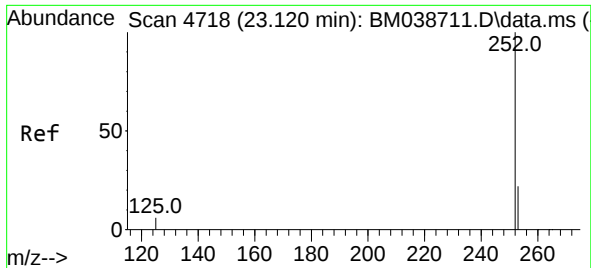
Tgt Ion:	228	Resp:	7571
Ion	Ratio	Lower	Upper
228	100		
229	20.4	17.0	25.6
226	28.9	23.0	34.6



#22
Chrysene
Concen: 0.340 ng/ul
RT: 21.505 min Scan# 4165
Delta R.T. -0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:	228	Resp:	7697
Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	20.8	16.0	24.0

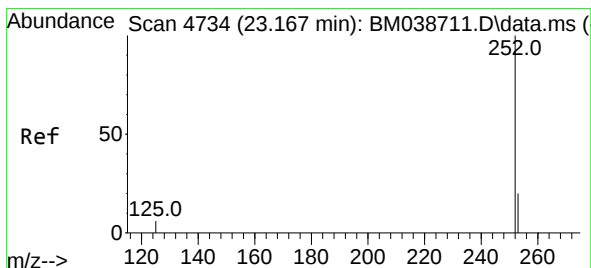
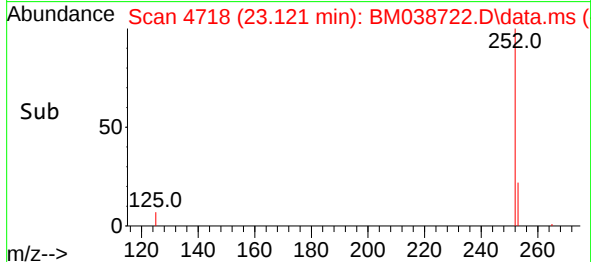
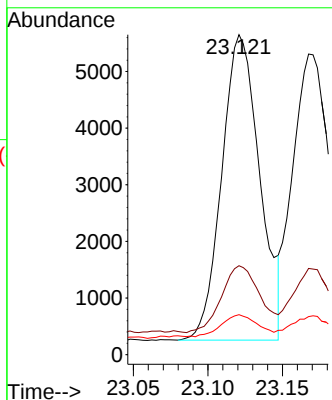
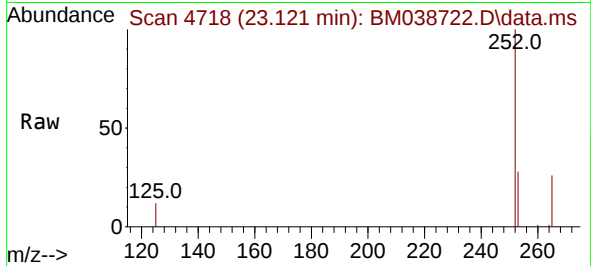




#24
Benzo(b)fluoranthene
Concen: 0.364 ng/ul
RT: 23.121 min Scan# 4718
Delta R.T. -0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

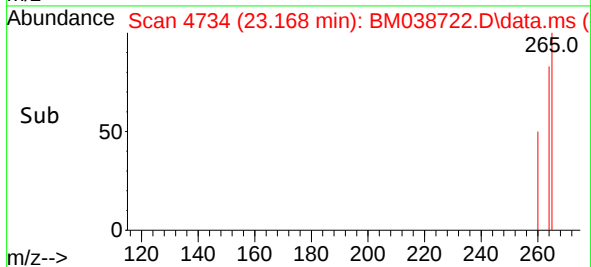
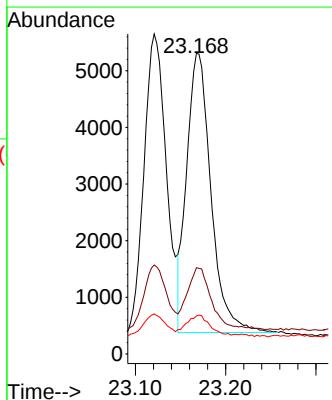
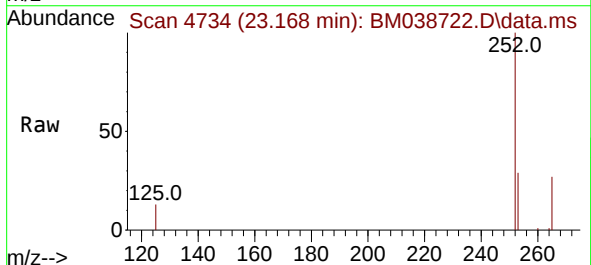
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

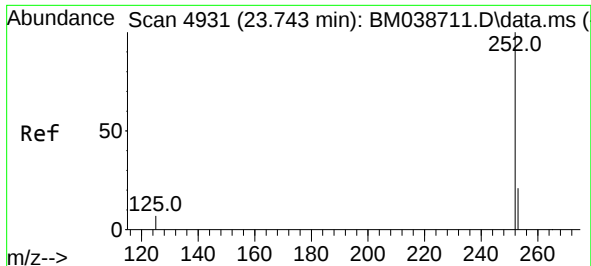
Tgt Ion:252 Resp: 9552
Ion Ratio Lower Upper
252 100
253 27.8 0.0 56.4
125 12.5 0.0 22.8



#25
Benzo(k)fluoranthene
Concen: 0.354 ng/ul
RT: 23.168 min Scan# 4734
Delta R.T. -0.005 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:252 Resp: 9238
Ion Ratio Lower Upper
252 100
253 28.7 23.0 34.6
125 12.6 9.4 14.0

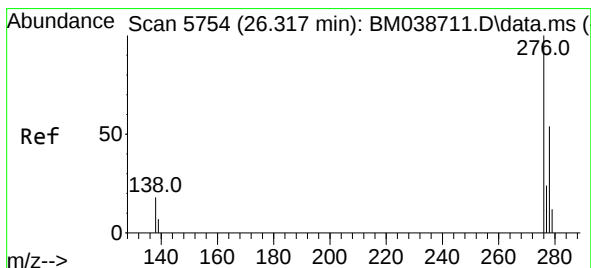
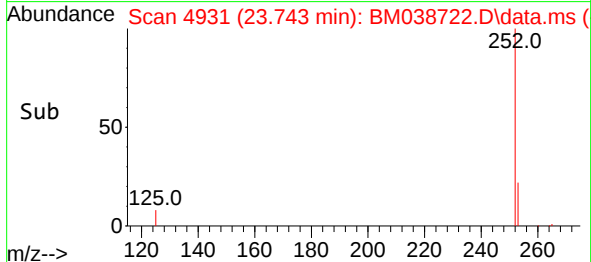
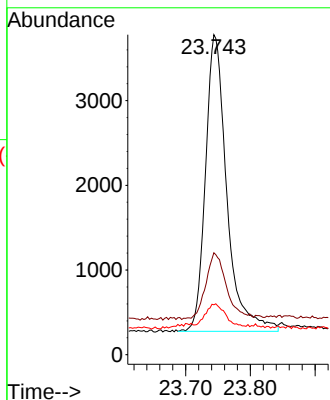
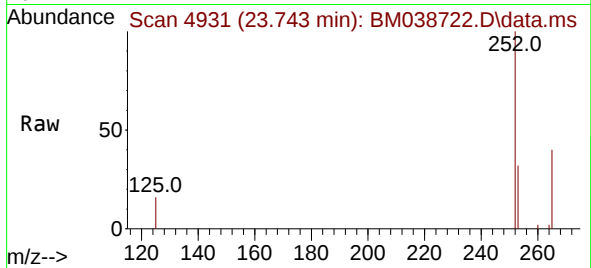




#26
Benzo(a)pyrene
Concen: 0.341 ng/ul
RT: 23.743 min Scan# 4931
Delta R.T. -0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

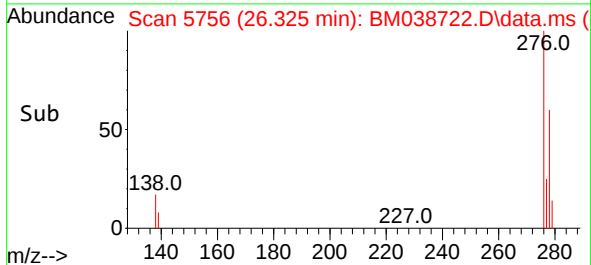
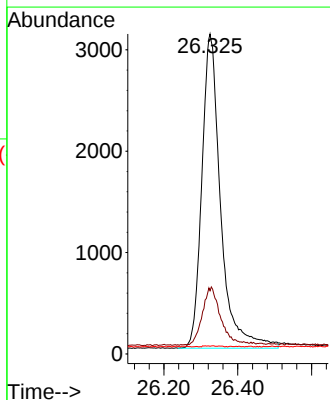
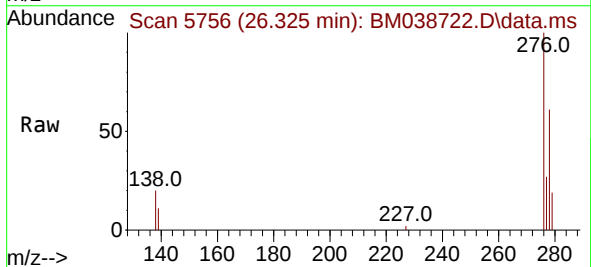
Instrument :
BNA_M
ClientSampleId :
SSTD0.4071

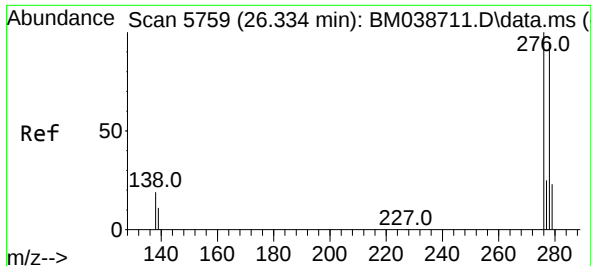
Tgt Ion:252 Resp: 8016
Ion Ratio Lower Upper
252 100
253 31.9 25.2 37.8
125 15.6 11.4 17.0



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng/ul
RT: 26.325 min Scan# 5756
Delta R.T. -0.002 min
Lab File: BM038722.D
Acq: 08 Feb 2023 16:08

Tgt Ion:276 Resp: 10967
Ion Ratio Lower Upper
276 100
138 17.6 13.5 20.3
227 0.1 0.2 0.2#

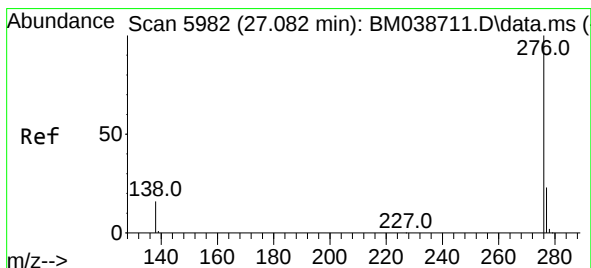
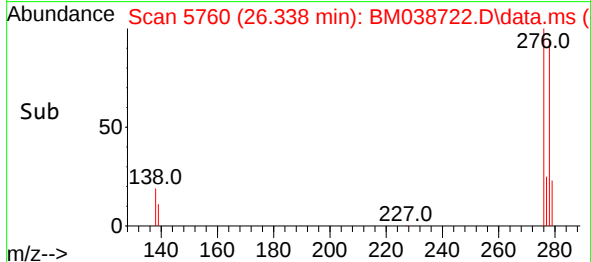
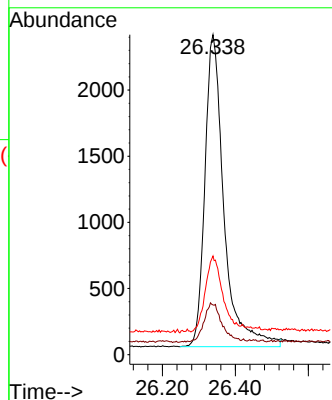
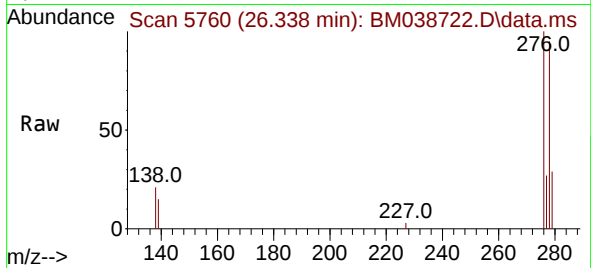




#28
 Dibenzo(a,h)anthracene
 Concen: 0.298 ng/ul
 RT: 26.338 min Scan# 5760
 Delta R.T. -0.002 min
 Lab File: BM038722.D
 Acq: 08 Feb 2023 16:08

Instrument :
 BNA_M
 ClientSampleId :
 SST0.4071

Tgt Ion:	278	Resp:	8561
Ion Ratio	Lower	Upper	
278	100		
139	15.5	11.2	16.8
279	30.8	23.8	35.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.287 ng/ul
 RT: 27.086 min Scan# 5983
 Delta R.T. -0.002 min
 Lab File: BM038722.D
 Acq: 08 Feb 2023 16:08

Tgt Ion:	276	Resp:	9392
Ion Ratio	Lower	Upper	
276	100		
138	18.4	14.5	21.7
277	26.1	20.5	30.7

