

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020723\
 Data File : BM038705.D
 Acq On : 07 Feb 2023 13:11
 Operator : CG/JU
 Sample : SSTD0.831
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.8046

Quant Time: Feb 07 13:54:44 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 13:52:00 2023
 Response via : Initial Calibration

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

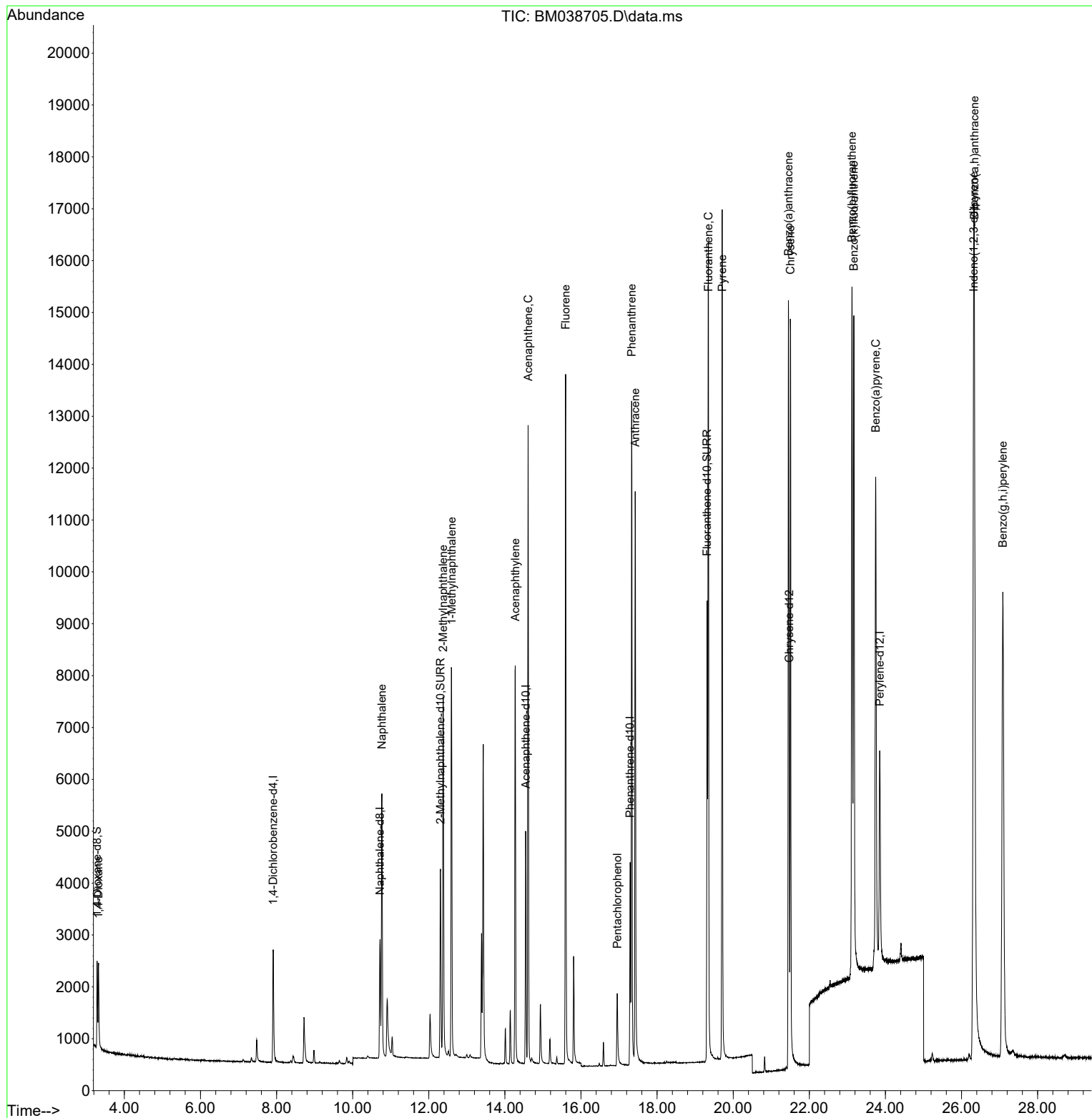
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	1392	0.400	ng/ul	0.00
4) Naphthalene-d8	10.719	136	3476	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.550	164	2503	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.291	188	5129	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.469	240	4392	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	5990	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	1271	0.695	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.308	152	5248	0.973	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	10590	0.844	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.322	88	1226	0.661	ng/ul	93
5) Naphthalene	10.768	128	7377	0.653	ng/ul	99
7) 2-Methylnaphthalene	12.379	142	5370	0.900	ng/ul	100
8) 1-Methylnaphthalene	12.599	142	5439	0.883	ng/ul	99
10) Acenaphthylene	14.273	152	9087	0.823	ng/ul	98
11) Acenaphthene	14.611	153	6968	0.829	ng/ul	98
12) Fluorene	15.596	166	8477	0.807	ng/ul	99
14) Pentachlorophenol	16.953	266	1206	0.577	ng/ul	97
15) Phenanthrene	17.333	178	13231	0.798	ng/ul	99
16) Anthracene	17.426	178	12428	0.879	ng/ul	98
19) Fluoranthene	19.348	202	14497	0.926	ng/ul	98
20) Pyrene	19.710	202	15412	0.915	ng/ul	98
21) Benzo(a)anthracene	21.451	228	12460	0.798	ng/ul	98
22) Chrysene	21.504	228	12754	0.814	ng/ul	99
24) Benzo(b)fluoranthene	23.123	252	18194	0.807	ng/ul	93
25) Benzo(k)fluoranthene	23.170	252	17802	0.813	ng/ul#	92
26) Benzo(a)pyrene	23.746	252	16200	0.800	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.320	276	24503	0.860	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.337	278	19238	0.849	ng/ul	96
29) Benzo(g,h,i)perylene	27.085	276	21803	0.881	ng/ul	97

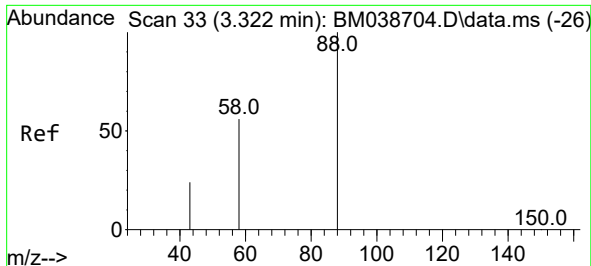
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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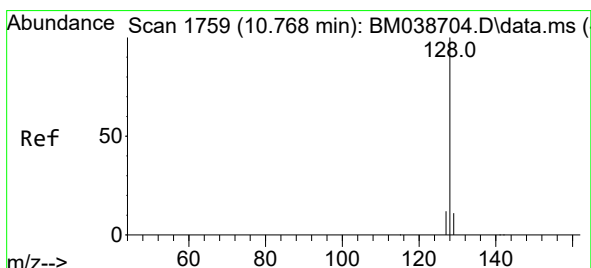
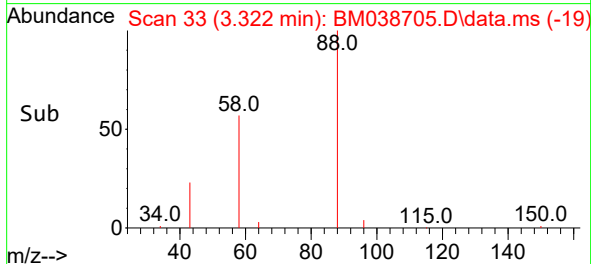
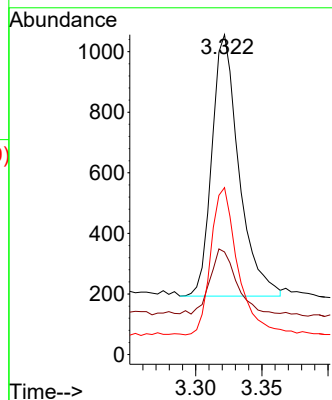
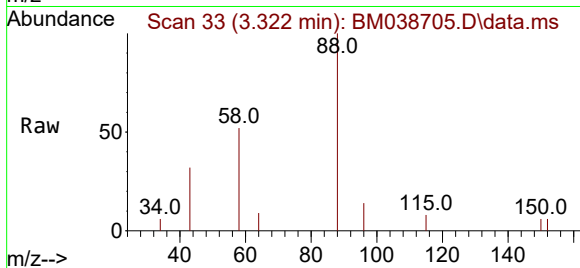




#2
1,4-Dioxane
Concen: 0.661 ng/ul
RT: 3.322 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

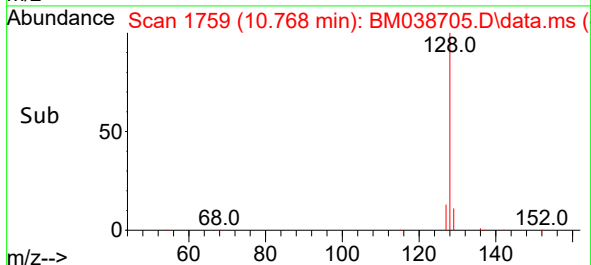
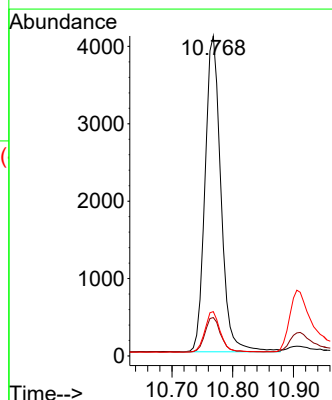
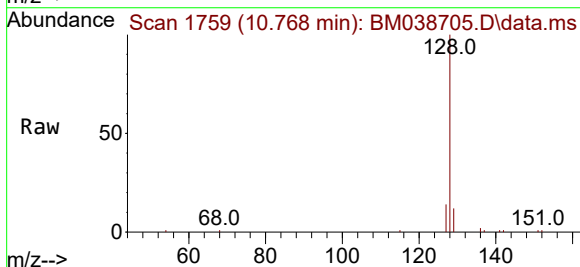
Instrument :
BNA_M
ClientSampleId :
SSTD0.8046

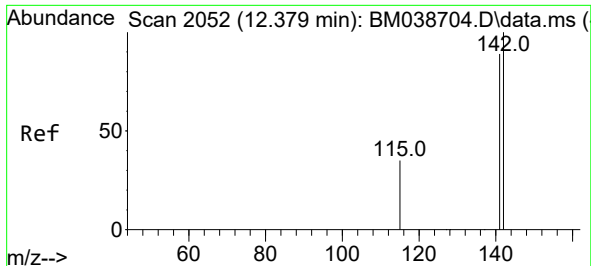
Tgt Ion: 88 Resp: 1226
Ion Ratio Lower Upper
88 100
43 32.1 28.4 42.6
58 52.2 37.7 56.5



#5
Naphthalene
Concen: 0.653 ng/ul
RT: 10.768 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion: 128 Resp: 7377
Ion Ratio Lower Upper
128 100
129 12.0 10.2 15.4
127 13.9 11.2 16.8

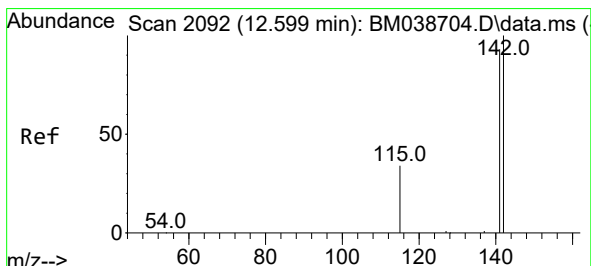
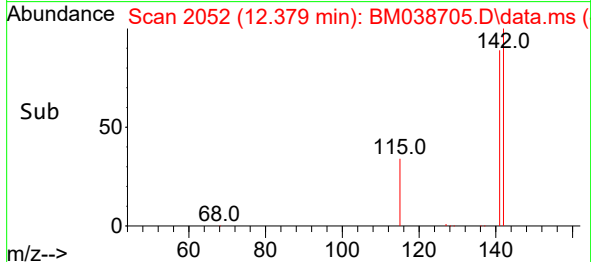
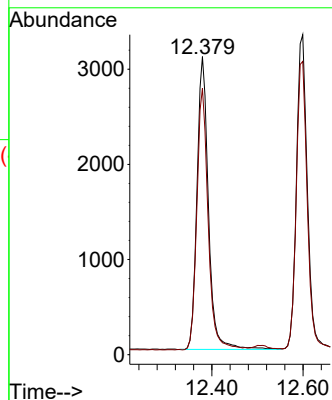
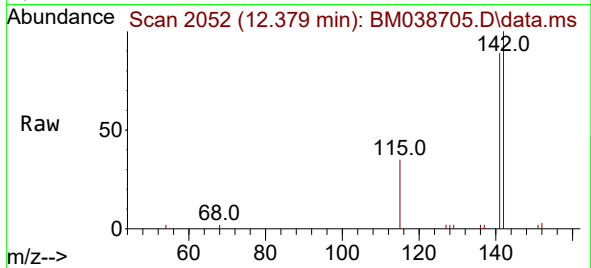




#7
2-Methylnaphthalene
Concen: 0.900 ng/ul
RT: 12.379 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

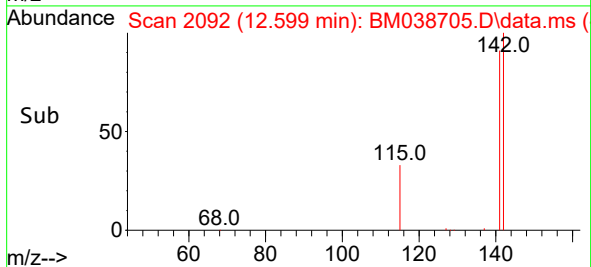
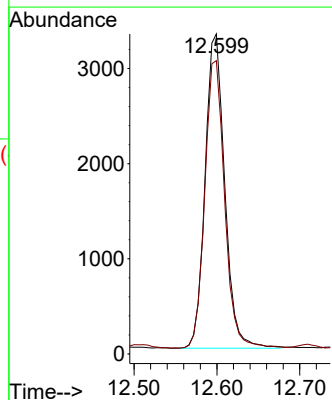
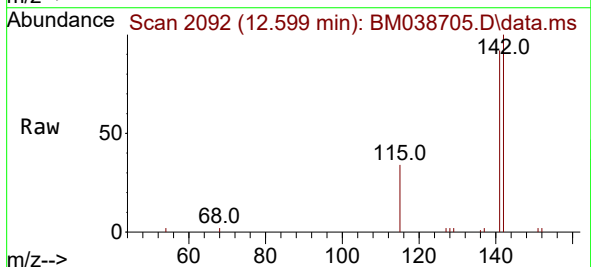
Instrument :
BNA_M
ClientSampleId :
SSTD0.8046

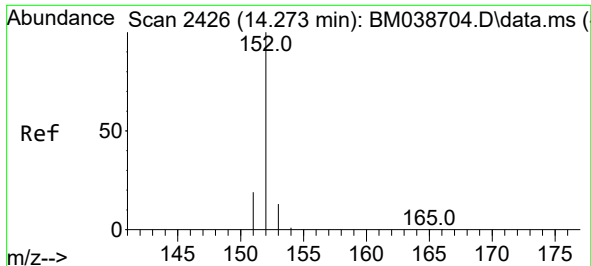
Tgt Ion:142 Resp: 5370
Ion Ratio Lower Upper
142 100
141 88.4 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.883 ng/ul
RT: 12.599 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:142 Resp: 5439
Ion Ratio Lower Upper
142 100
141 92.3 74.6 112.0

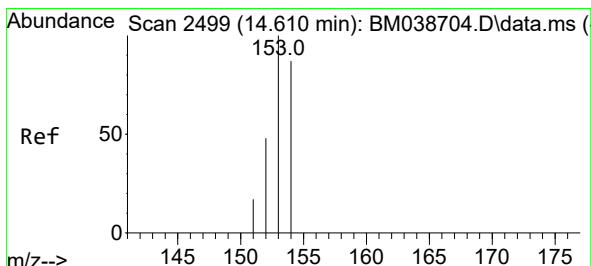
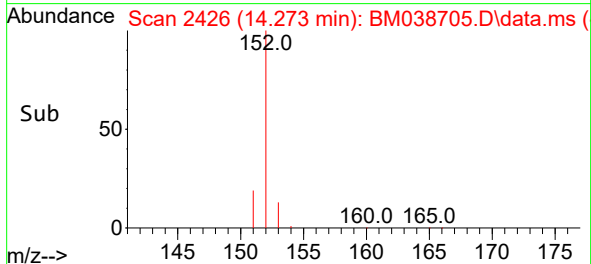
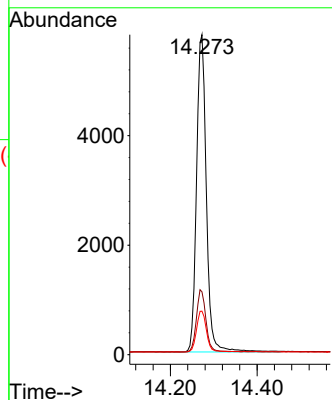
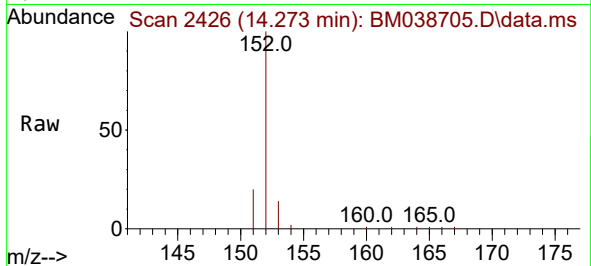




#10
Acenaphthylene
Concen: 0.823 ng/ul
RT: 14.273 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

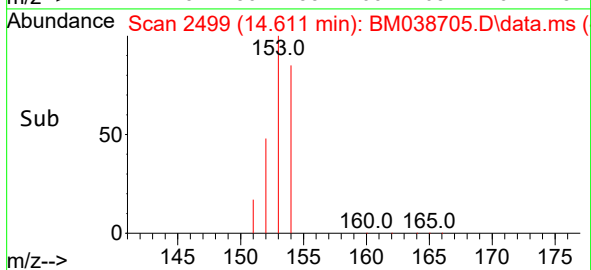
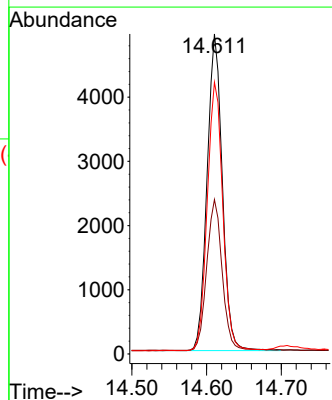
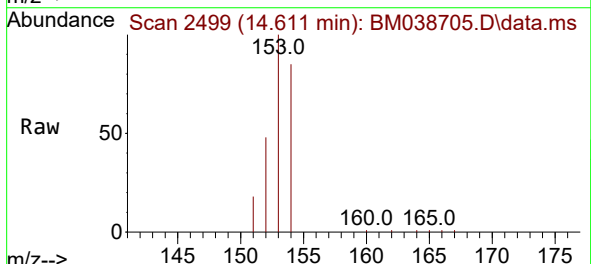
Instrument :
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ClientSampleId :
SSTD0.8046

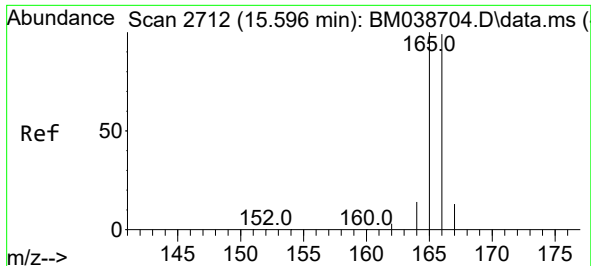
Tgt Ion:152 Resp: 9087
Ion Ratio Lower Upper
152 100
151 19.6 16.5 24.7
153 13.6 11.2 16.8



#11
Acenaphthene
Concen: 0.829 ng/ul
RT: 14.611 min Scan# 2499
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:153 Resp: 6968
Ion Ratio Lower Upper
153 100
152 48.2 39.6 59.4
154 84.9 69.6 104.4

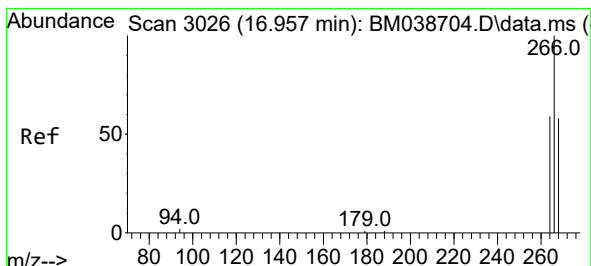
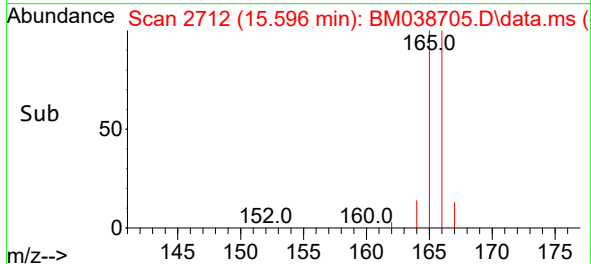
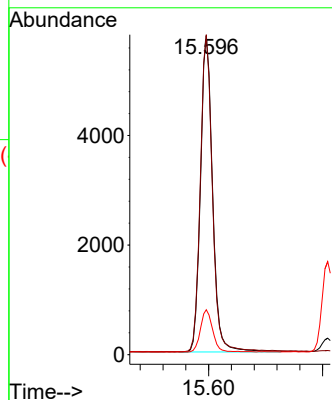
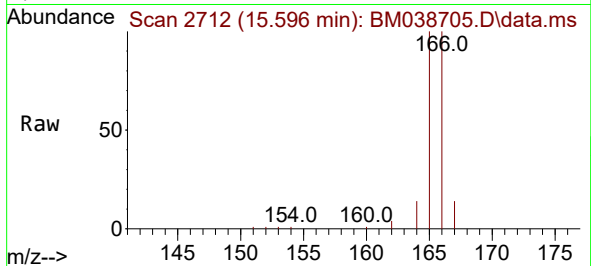




#12
Fluorene
Concen: 0.807 ng/ul
RT: 15.596 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

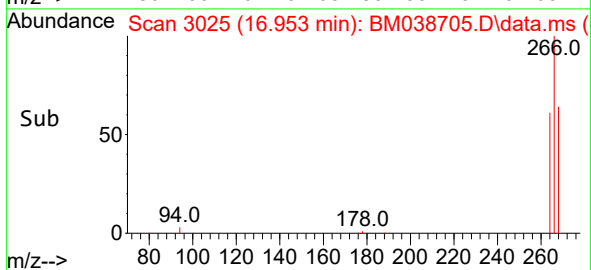
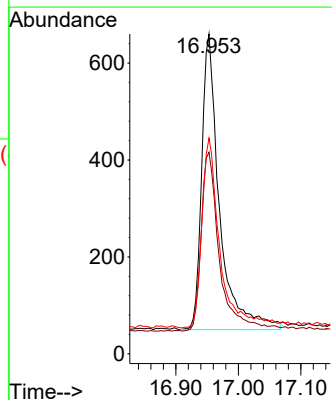
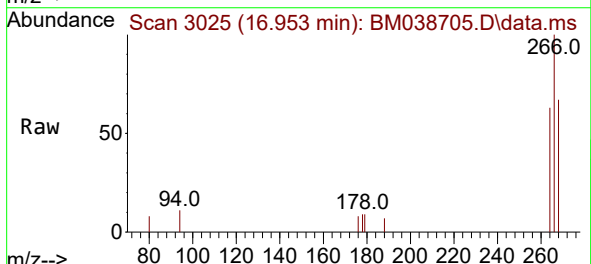
Instrument :
BNA_M
ClientSampleId :
SSTD0.8046

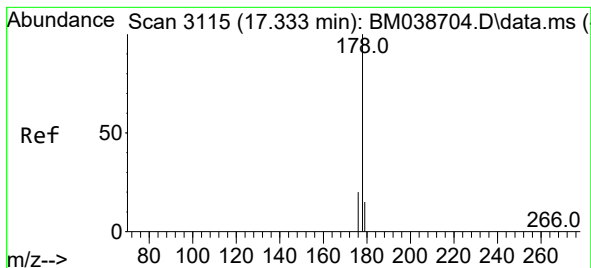
Tgt Ion:166 Resp: 8477
Ion Ratio Lower Upper
166 100
165 100.3 80.7 121.1
167 14.1 11.8 17.6



#14
Pentachlorophenol
Concen: 0.577 ng/ul
RT: 16.953 min Scan# 3025
Delta R.T. -0.004 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:266 Resp: 1206
Ion Ratio Lower Upper
266 100
264 62.5 47.3 70.9
268 65.4 50.9 76.3





#15

Phenanthrene

Concen: 0.798 ng/ul

RT: 17.333 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BM038705.D

Acq: 07 Feb 2023 13:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.8046

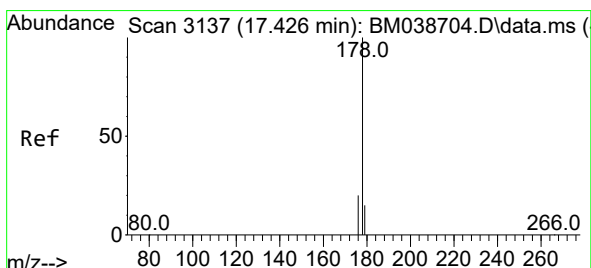
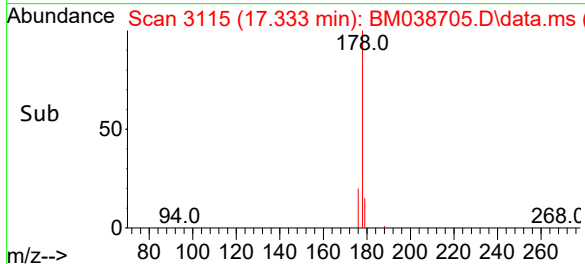
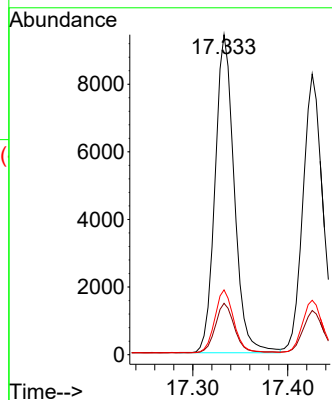
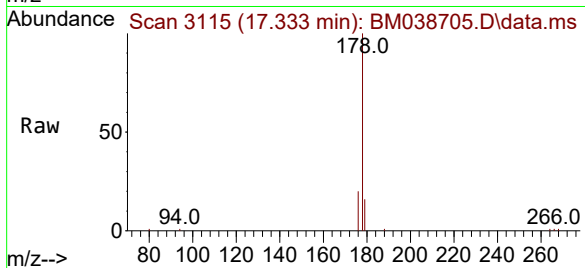
Tgt Ion:178 Resp: 13231

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.6

176 20.2 16.5 24.7



#16

Anthracene

Concen: 0.879 ng/ul

RT: 17.426 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BM038705.D

Acq: 07 Feb 2023 13:11

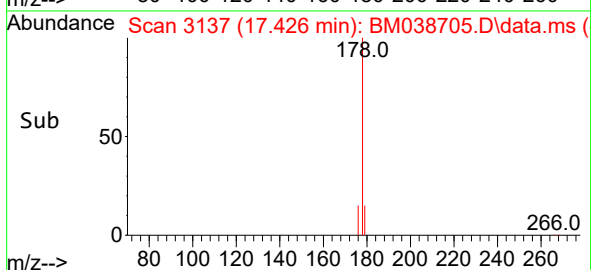
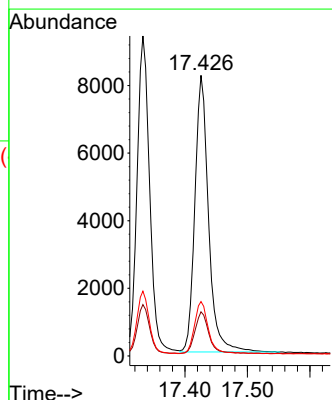
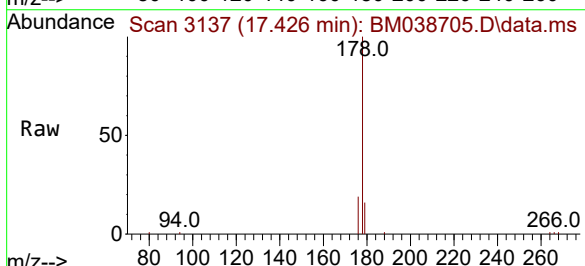
Tgt Ion:178 Resp: 12428

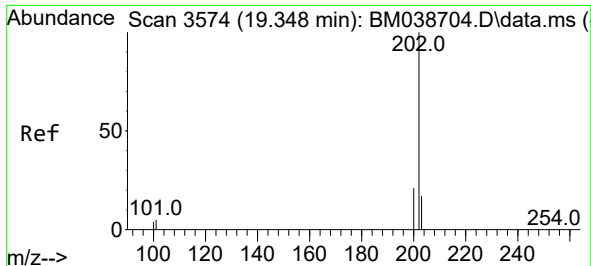
Ion Ratio Lower Upper

178 100

179 15.7 13.2 19.8

176 19.4 16.6 24.8

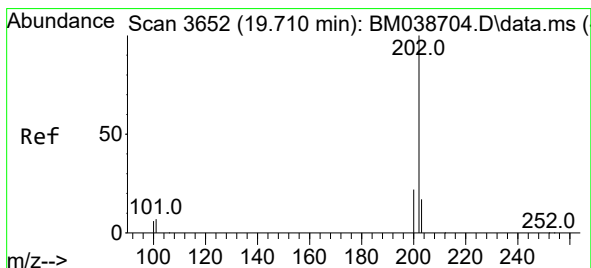
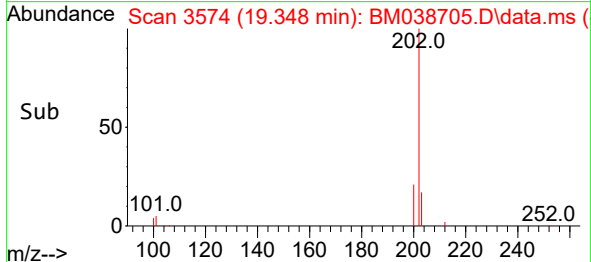
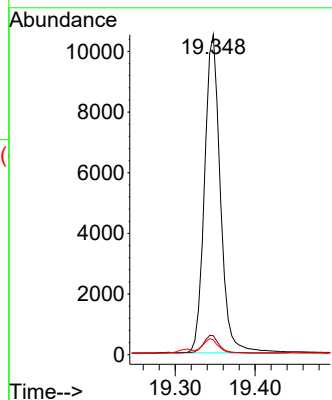
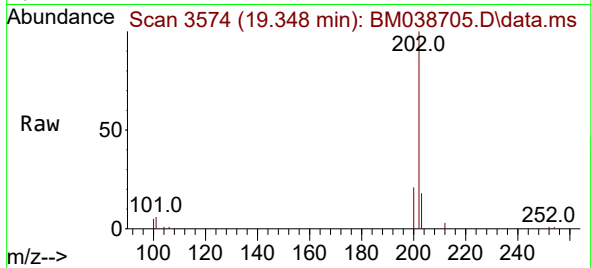




#19
Fluoranthene
Concen: 0.926 ng/ul
RT: 19.348 min Scan# 3574
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

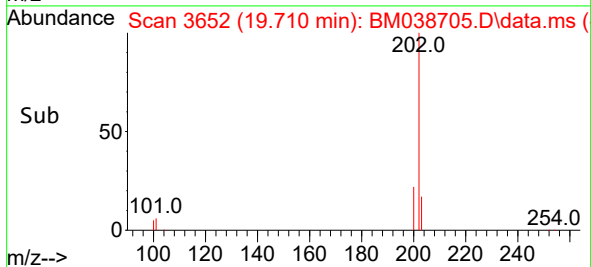
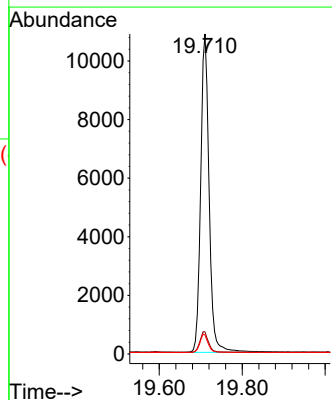
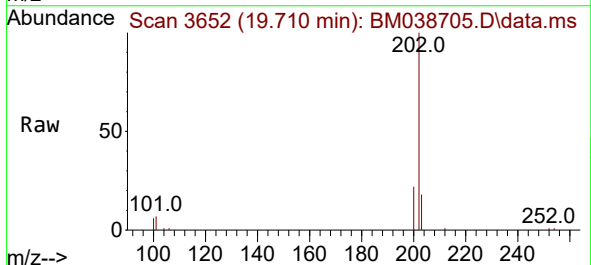
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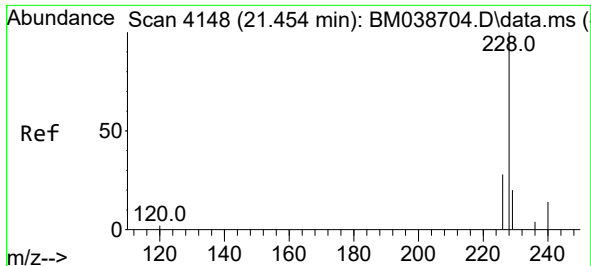
Tgt Ion:202 Resp: 14497
Ion Ratio Lower Upper
202 100
101 6.0 5.0 7.6
100 4.6 4.6 6.8



#20
Pyrene
Concen: 0.915 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:202 Resp: 15412
Ion Ratio Lower Upper
202 100
101 6.9 6.2 9.2
100 5.9 5.2 7.8

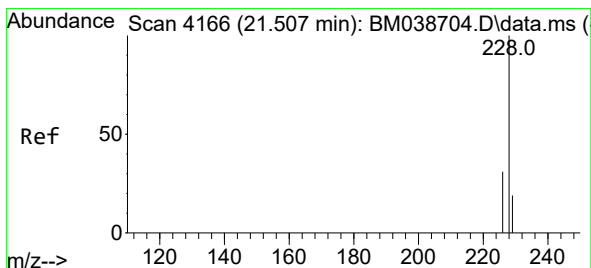
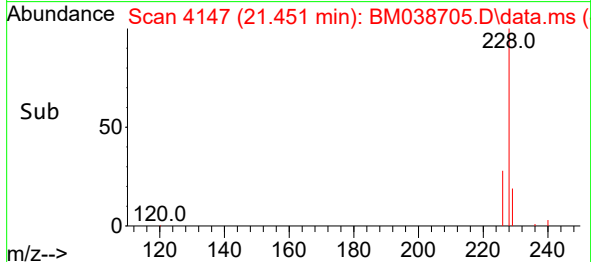
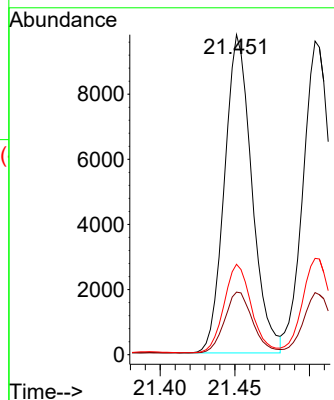
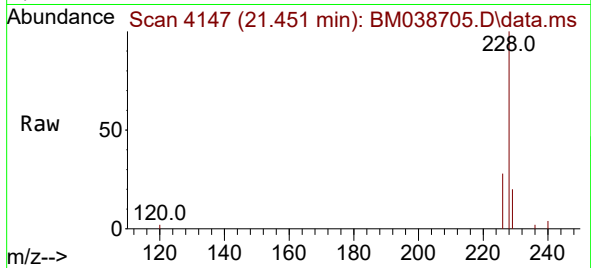




#21
Benzo(a)anthracene
Concen: 0.798 ng/ul
RT: 21.451 min Scan# 4148
Delta R.T. -0.003 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

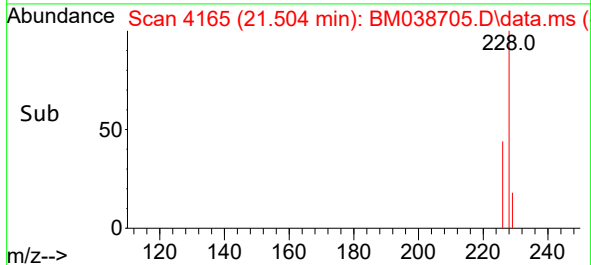
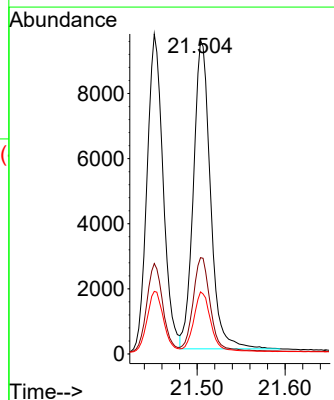
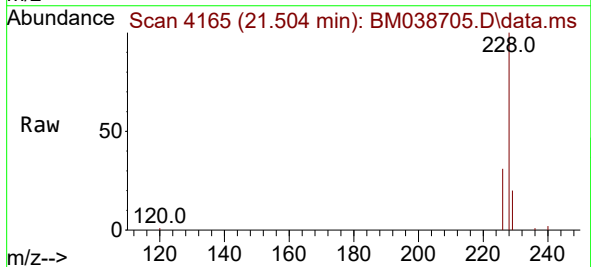
Instrument :
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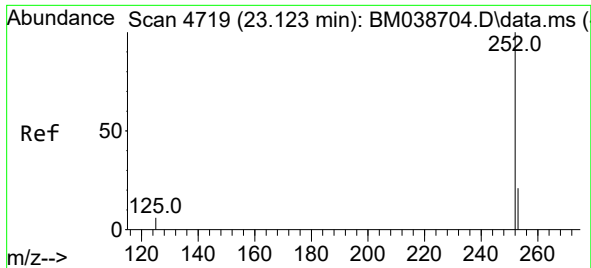
Tgt Ion:228 Resp: 12460
Ion Ratio Lower Upper
228 100
229 19.5 17.0 25.6
226 28.2 23.0 34.6



#22
Chrysene
Concen: 0.814 ng/ul
RT: 21.504 min Scan# 4165
Delta R.T. -0.003 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:228 Resp: 12754
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 19.8 16.0 24.0

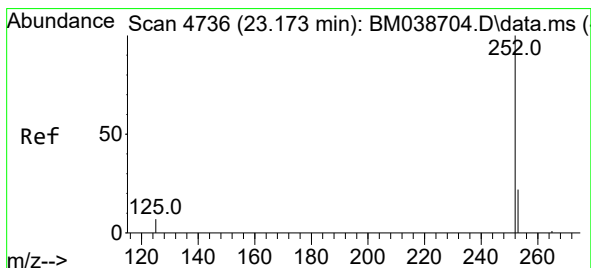
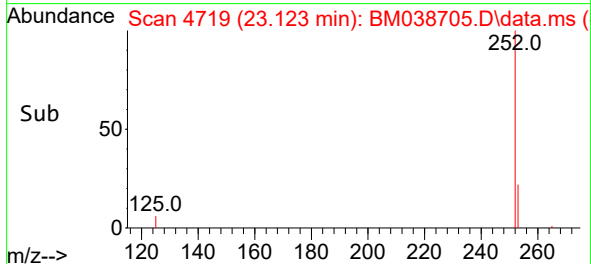
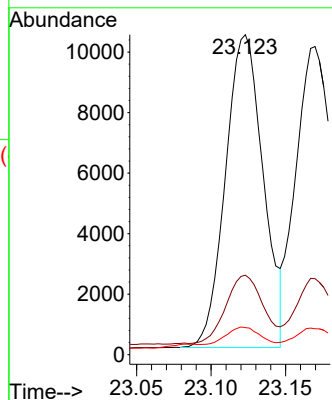
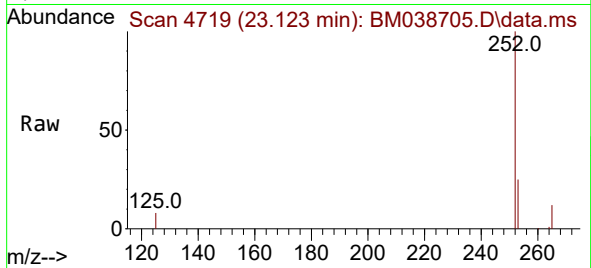




#24
Benzo(b)fluoranthene
Concen: 0.807 ng/ul
RT: 23.123 min Scan# 4719
Delta R.T. 0.000 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

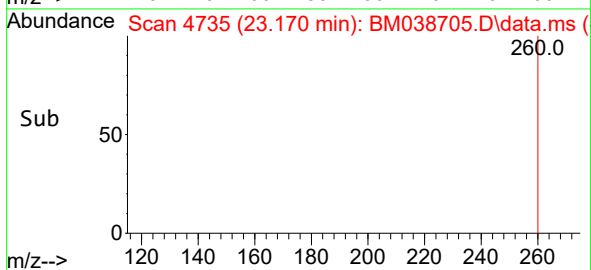
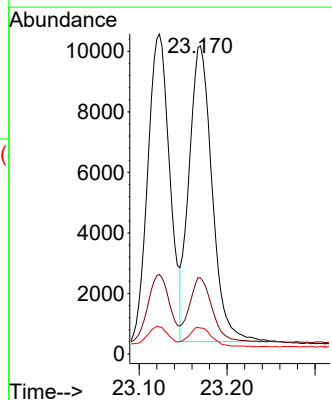
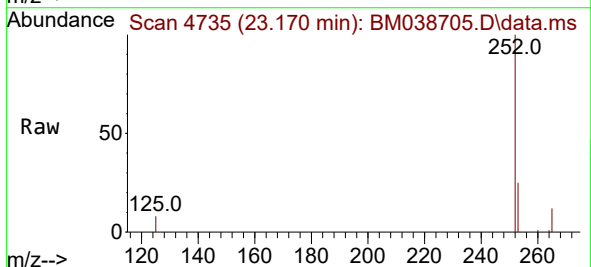
Instrument :
BNA_M
ClientSampleId :
SSTD0.8046

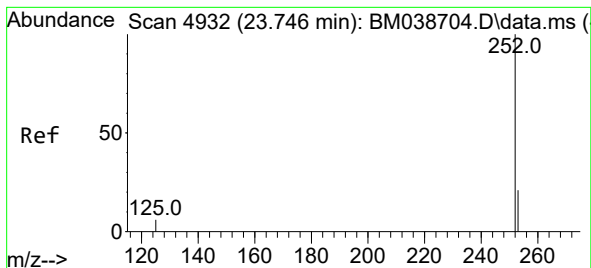
Tgt Ion:252 Resp: 18194
Ion Ratio Lower Upper
252 100
253 24.8 0.0 56.4
125 8.4 0.0 22.8



#25
Benzo(k)fluoranthene
Concen: 0.813 ng/ul
RT: 23.170 min Scan# 4735
Delta R.T. -0.003 min
Lab File: BM038705.D
Acq: 07 Feb 2023 13:11

Tgt Ion:252 Resp: 17802
Ion Ratio Lower Upper
252 100
253 24.7 23.0 34.6
125 8.4 9.4 14.0#





#26

Benzo(a)pyrene

Concen: 0.800 ng/ul

RT: 23.746 min Scan# 4932

Delta R.T. 0.000 min

Lab File: BM038705.D

Acq: 07 Feb 2023 13:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.8046

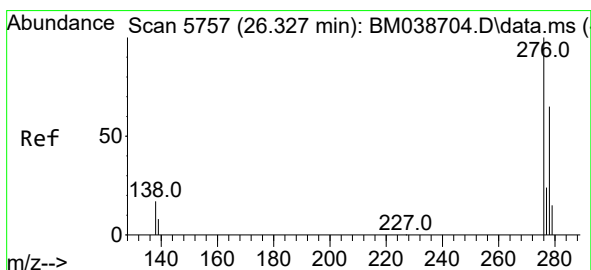
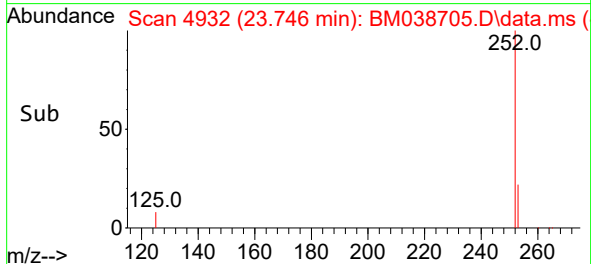
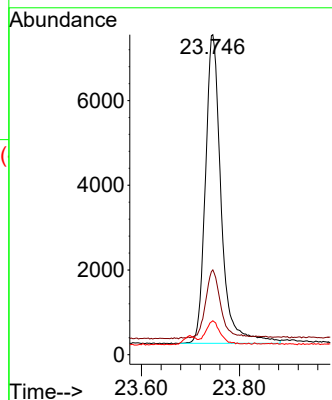
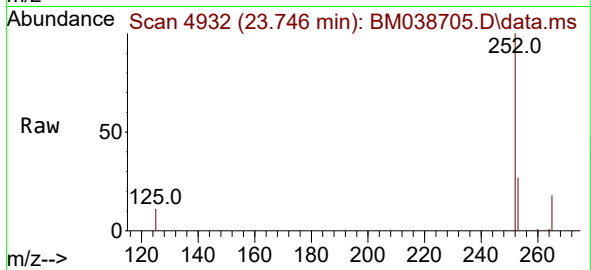
Tgt Ion:252 Resp: 16200

Ion Ratio Lower Upper

252 100

253 26.5 25.2 37.8

125 10.6 11.4 17.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.860 ng/ul

RT: 26.320 min Scan# 5755

Delta R.T. -0.007 min

Lab File: BM038705.D

Acq: 07 Feb 2023 13:11

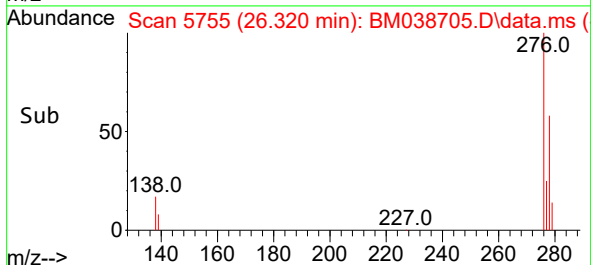
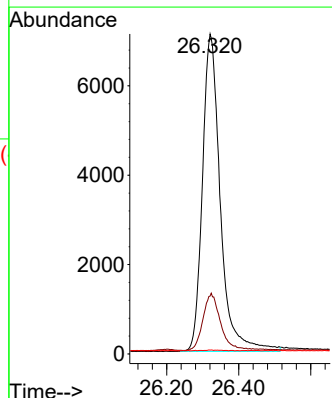
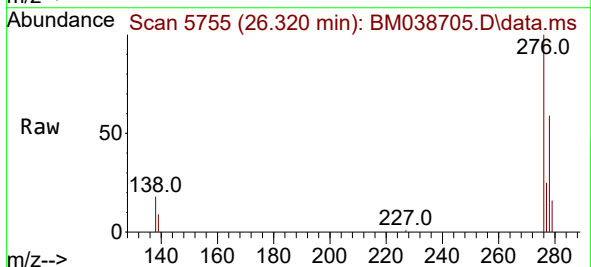
Tgt Ion:276 Resp: 24503

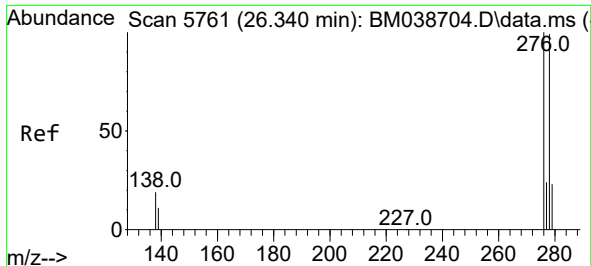
Ion Ratio Lower Upper

276 100

138 18.1 13.5 20.3

227 0.1 0.2 0.2#

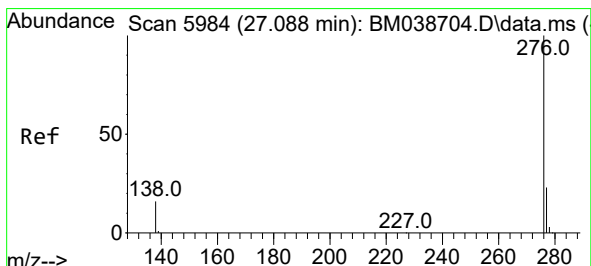
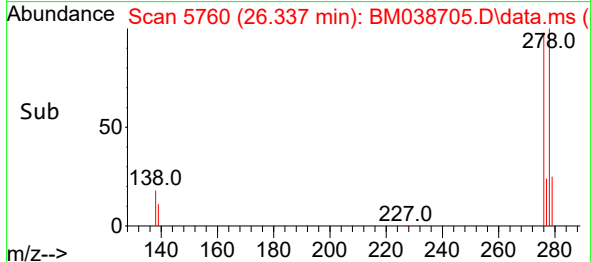
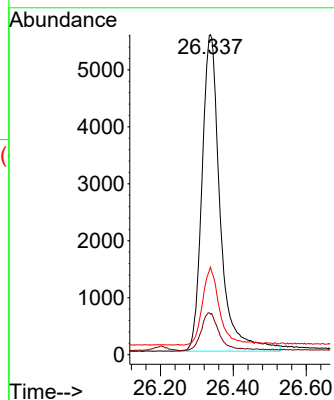
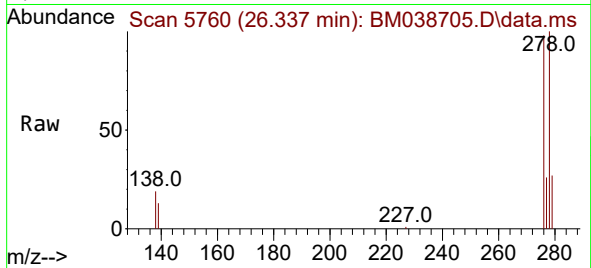




#28
 Dibenzo(a,h)anthracene
 Concen: 0.849 ng/ul
 RT: 26.337 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: BM038705.D
 Acq: 07 Feb 2023 13:11

Instrument :
 BNA_M
 ClientSampleId :
 SST00.8046

Tgt Ion:278 Resp: 19238
 Ion Ratio Lower Upper
 278 100
 139 12.7 11.2 16.8
 279 27.3 23.8 35.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.881 ng/ul
 RT: 27.085 min Scan# 5983
 Delta R.T. -0.003 min
 Lab File: BM038705.D
 Acq: 07 Feb 2023 13:11

Tgt Ion:276 Resp: 21803
 Ion Ratio Lower Upper
 276 100
 138 16.3 14.5 21.7
 277 24.3 20.5 30.7

