

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020723\
 Data File : BM038706.D
 Acq On : 07 Feb 2023 13:48
 Operator : CG/JU
 Sample : SSTD1.632
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.6047

Quant Time: Feb 07 14:20:35 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 14:03:30 2023
 Response via : Initial Calibration

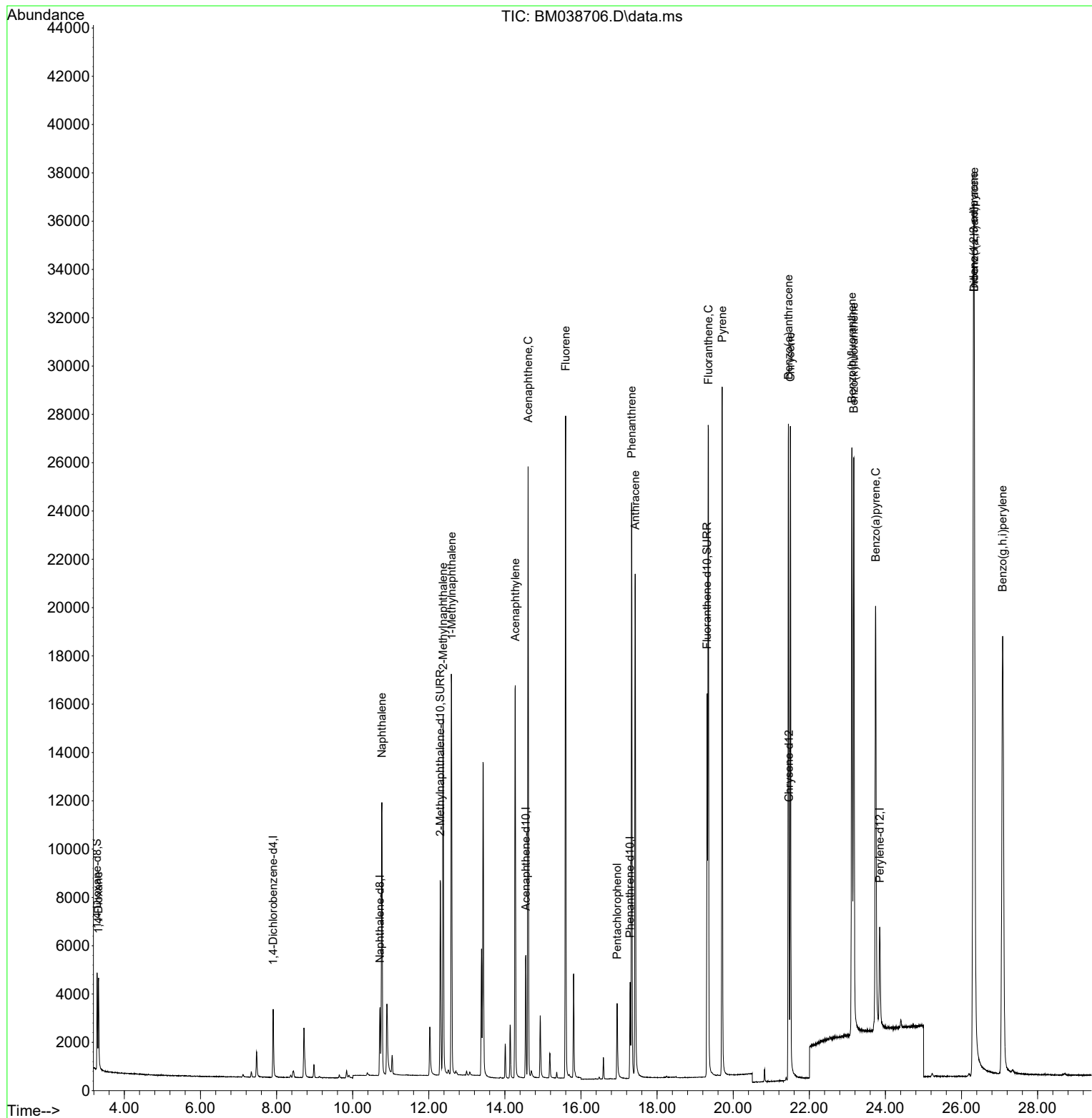
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	1652	0.400	ng/ul	0.00
4) Naphthalene-d8	10.719	136	4045	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.550	164	2747	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.291	188	5177	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	4515	0.400	ng/ul	0.00
23) Perylene-d12	23.851	264	6053	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	2752	1.574	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.302	152	11048	1.568	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	18764	1.383	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.322	88	2653	1.610	ng/ul#	89
5) Naphthalene	10.768	128	15654	1.575	ng/ul	97
7) 2-Methylnaphthalene	12.379	142	11162	1.568	ng/ul	99
8) 1-Methylnaphthalene	12.599	142	11465	1.578	ng/ul	99
10) Acenaphthylene	14.273	152	18700	1.597	ng/ul	98
11) Acenaphthene	14.611	153	14089	1.580	ng/ul	99
12) Fluorene	15.596	166	16592	1.552	ng/ul	98
14) Pentachlorophenol	16.949	266	2417	1.847	ng/ul	96
15) Phenanthrene	17.333	178	24457	1.577	ng/ul	98
16) Anthracene	17.426	178	23522	1.669	ng/ul	97
19) Fluoranthene	19.348	202	25310	1.378	ng/ul#	97
20) Pyrene	19.710	202	26484	1.342	ng/ul	97
21) Benzo(a)anthracene	21.451	228	22460	1.460	ng/ul	98
22) Chrysene	21.504	228	23009	1.424	ng/ul	99
24) Benzo(b)fluoranthene	23.120	252	32196	1.447	ng/ul	91
25) Benzo(k)fluoranthene	23.170	252	32673	1.485	ng/ul#	89
26) Benzo(a)pyrene	23.743	252	29985	1.519	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.320	276	50500	1.673	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.331	278	40424	1.715	ng/ul	92
29) Benzo(g,h,i)perylene	27.082	276	44116	1.626	ng/ul	96

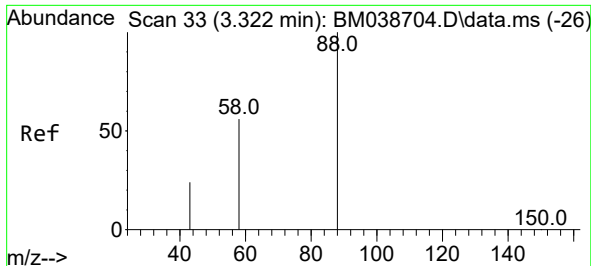
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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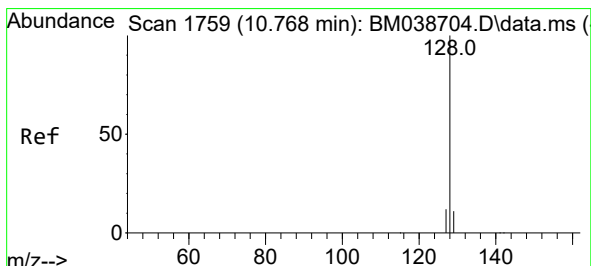
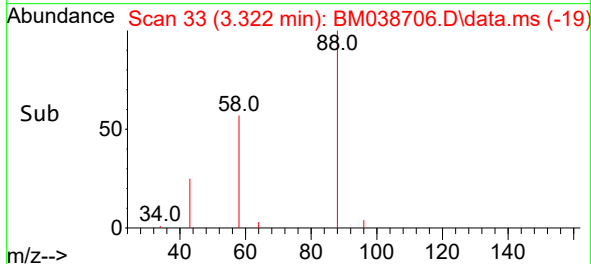
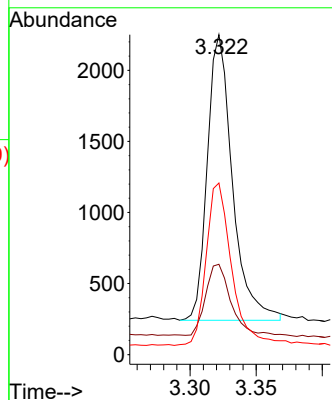
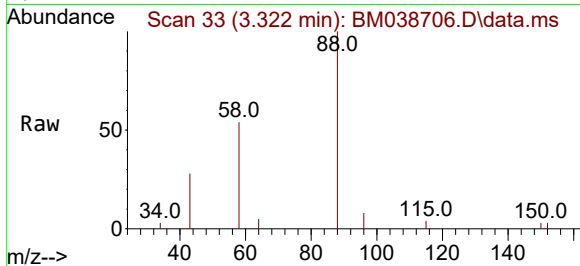




#2
1,4-Dioxane
Concen: 1.610 ng/ul
RT: 3.322 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

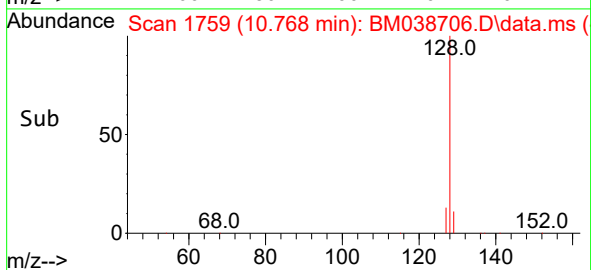
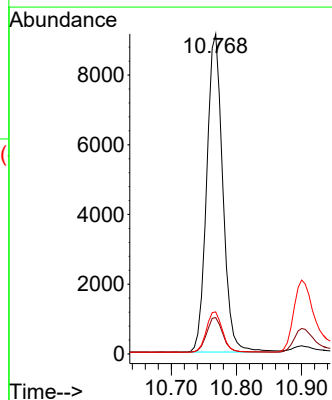
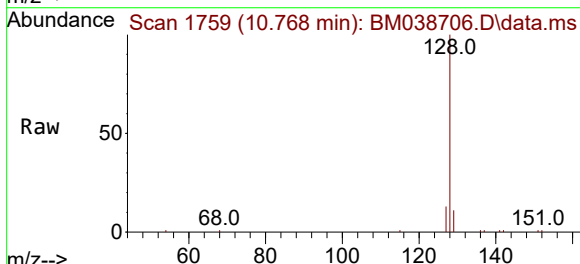
Instrument :
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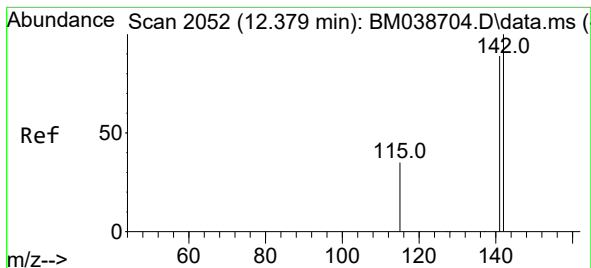
Tgt Ion: 88 Resp: 2653
Ion Ratio Lower Upper
88 100
43 28.3 28.4 42.6#
58 53.6 37.7 56.5



#5
Naphthalene
Concen: 1.575 ng/ul
RT: 10.768 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion: 128 Resp: 15654
Ion Ratio Lower Upper
128 100
129 11.3 10.2 15.4
127 13.2 11.2 16.8

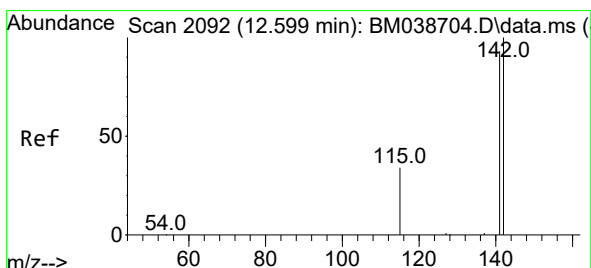
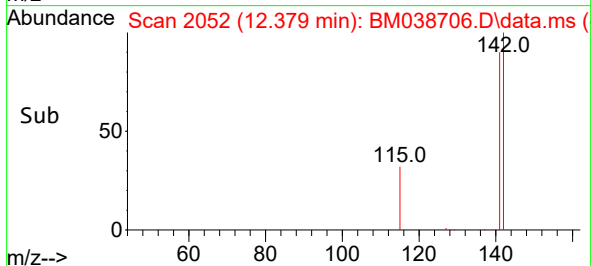
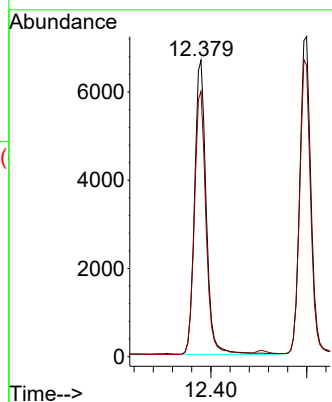
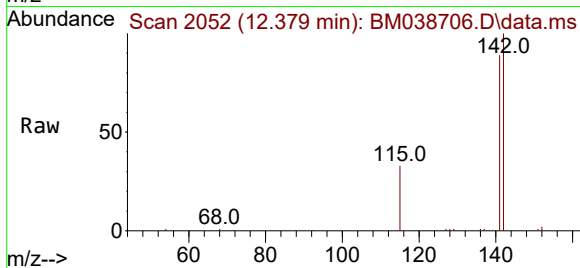




#7
2-Methylnaphthalene
Concen: 1.568 ng/ul
RT: 12.379 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

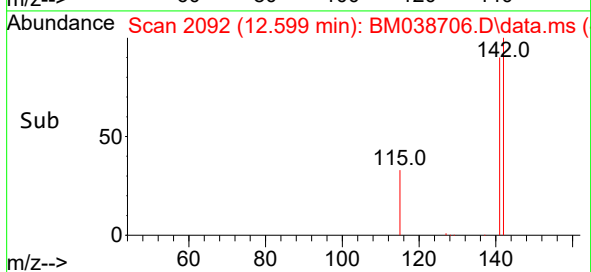
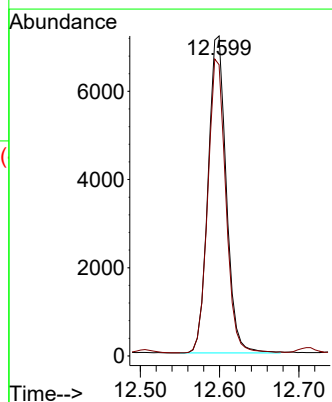
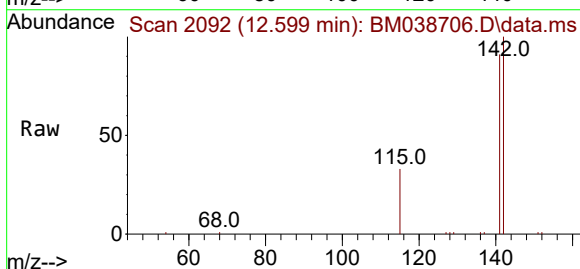
Instrument :
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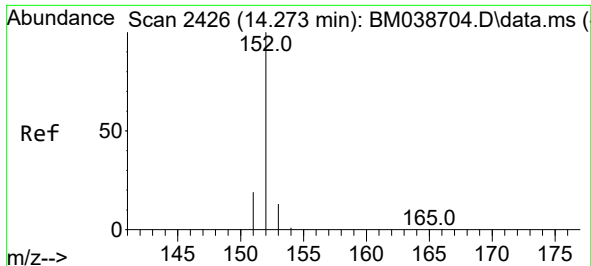
Tgt Ion:142 Resp: 11162
Ion Ratio Lower Upper
142 100
141 89.6 70.9 106.3



#8
1-Methylnaphthalene
Concen: 1.578 ng/ul
RT: 12.599 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:142 Resp: 11465
Ion Ratio Lower Upper
142 100
141 91.9 74.6 112.0

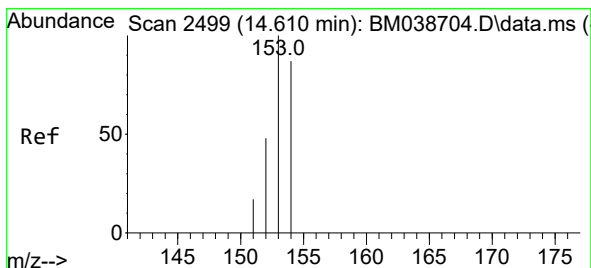
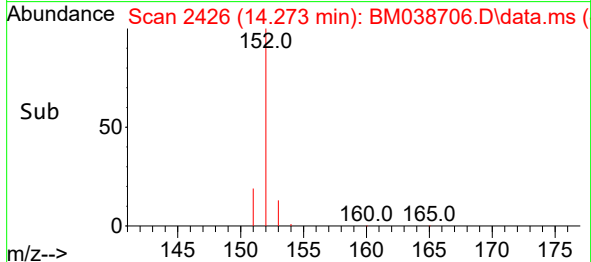
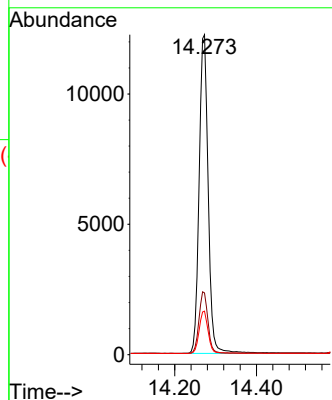
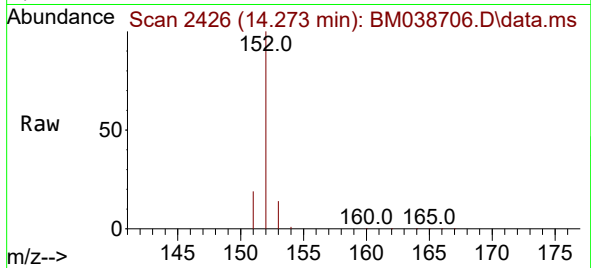




#10
Acenaphthylene
Concen: 1.597 ng/ul
RT: 14.273 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

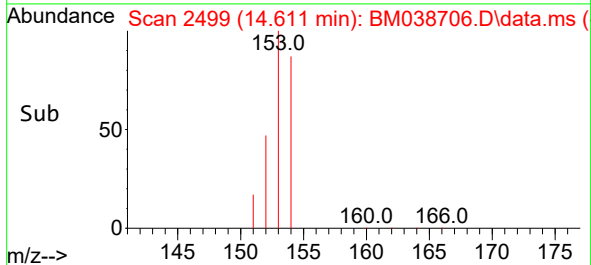
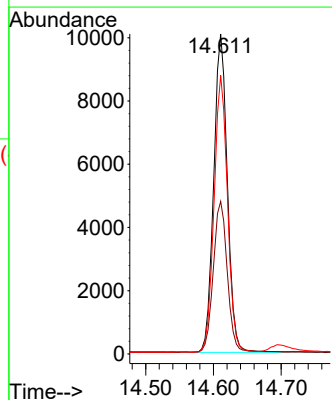
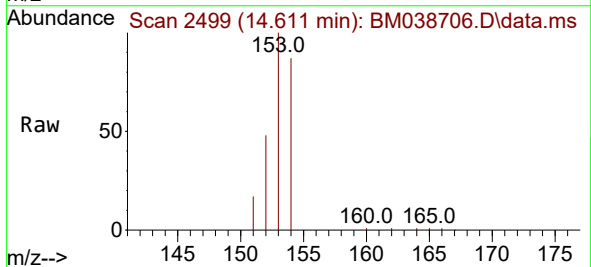
Instrument :
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SSTD1.6047

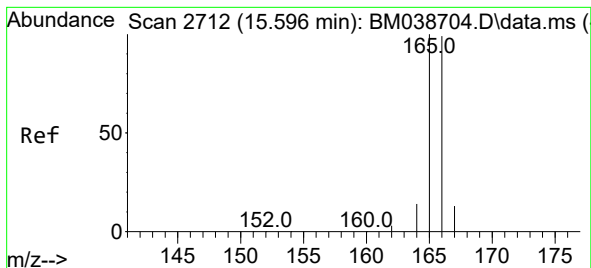
Tgt Ion:152 Resp: 18700
Ion Ratio Lower Upper
152 100
151 19.3 16.5 24.7
153 13.6 11.2 16.8



#11
Acenaphthene
Concen: 1.580 ng/ul
RT: 14.611 min Scan# 2499
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:153 Resp: 14089
Ion Ratio Lower Upper
153 100
152 47.7 39.6 59.4
154 87.1 69.6 104.4





#12

Fluorene

Concen: 1.552 ng/ul

RT: 15.596 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.6047

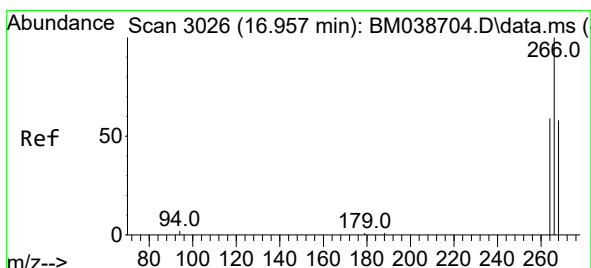
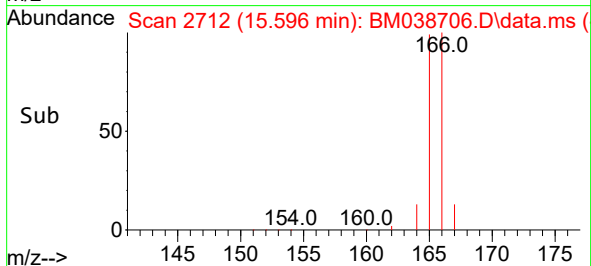
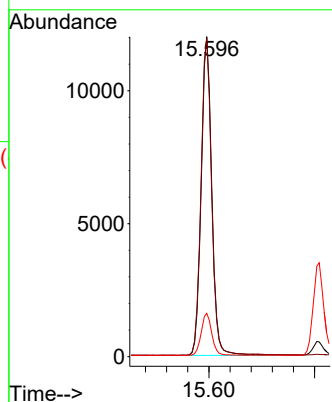
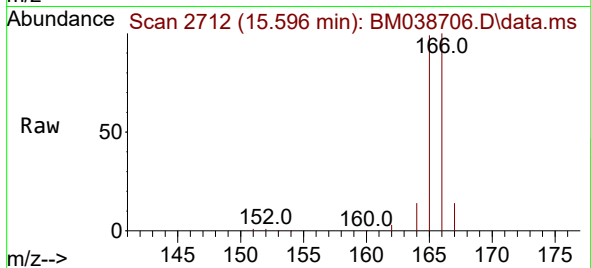
Tgt Ion:166 Resp: 16592

Ion Ratio Lower Upper

166 100

165 99.4 80.7 121.1

167 13.6 11.8 17.6



#14

Pentachlorophenol

Concen: 1.847 ng/ul

RT: 16.949 min Scan# 3024

Delta R.T. -0.008 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

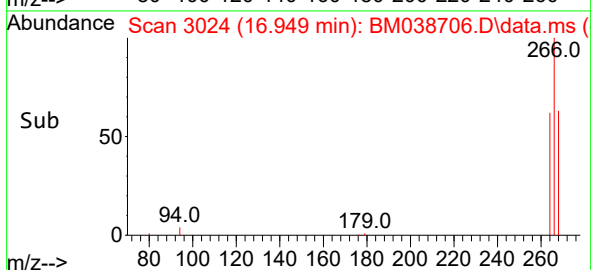
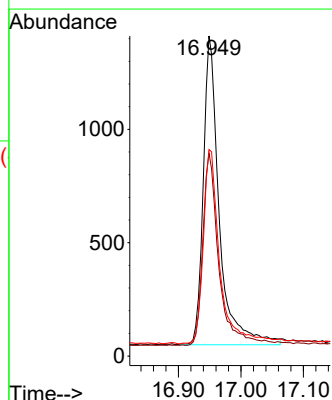
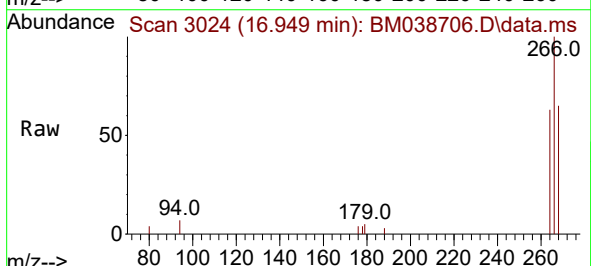
Tgt Ion:266 Resp: 2417

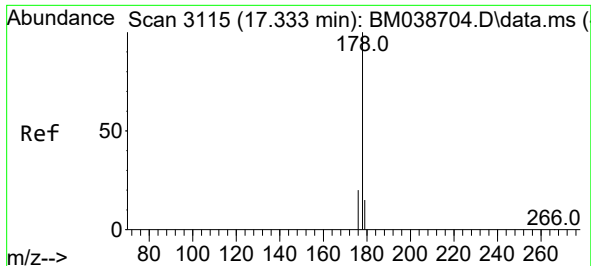
Ion Ratio Lower Upper

266 100

264 63.1 47.3 70.9

268 65.6 50.9 76.3

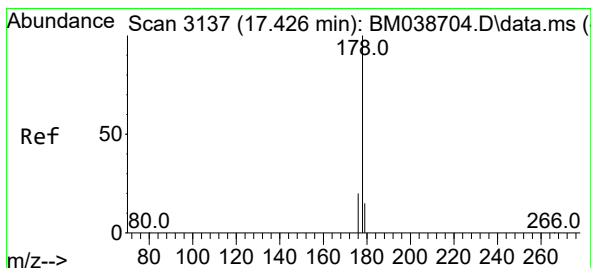
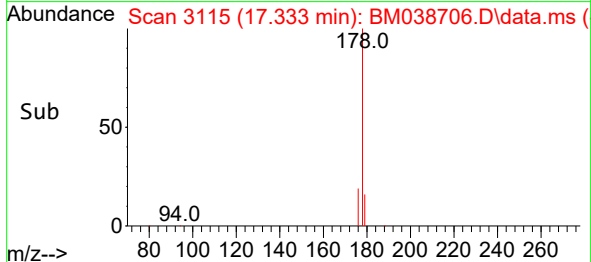
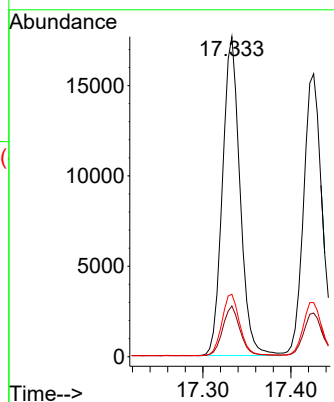
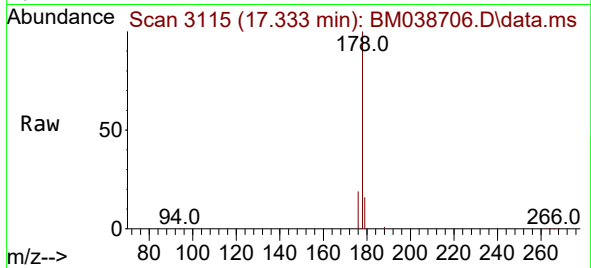




#15
Phenanthrene
Concen: 1.577 ng/ul
RT: 17.333 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

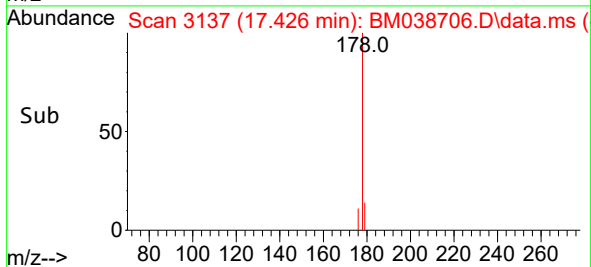
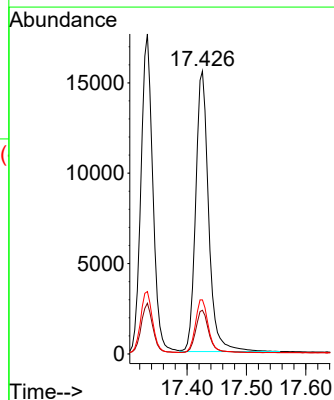
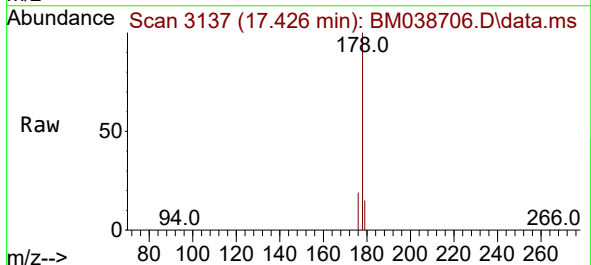
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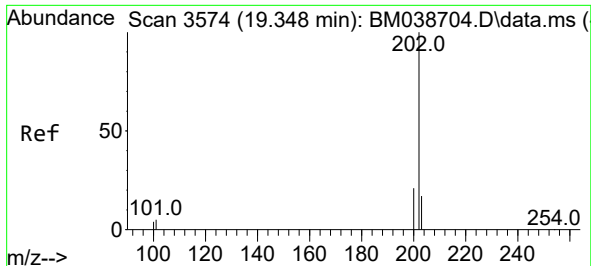
Tgt Ion:178 Resp: 24457
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.5 16.5 24.7



#16
Anthracene
Concen: 1.669 ng/ul
RT: 17.426 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:178 Resp: 23522
Ion Ratio Lower Upper
178 100
179 15.4 13.2 19.8
176 19.1 16.6 24.8

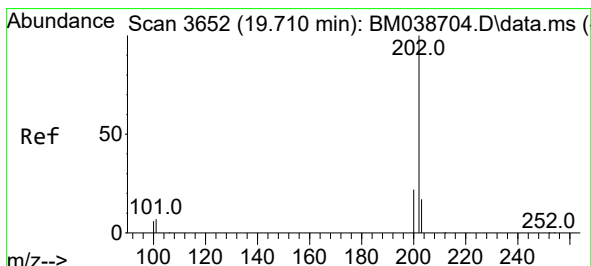
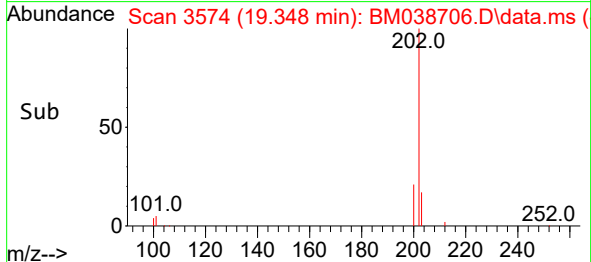
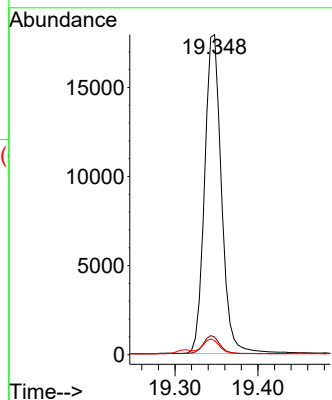
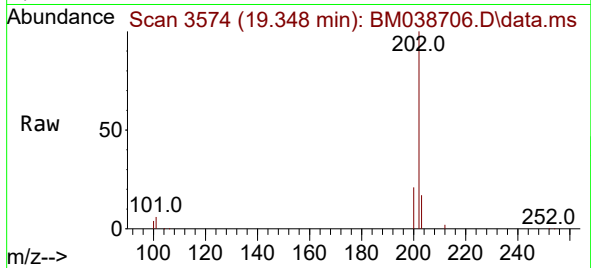




#19
Fluoranthene
Concen: 1.378 ng/ul
RT: 19.348 min Scan# 3574
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

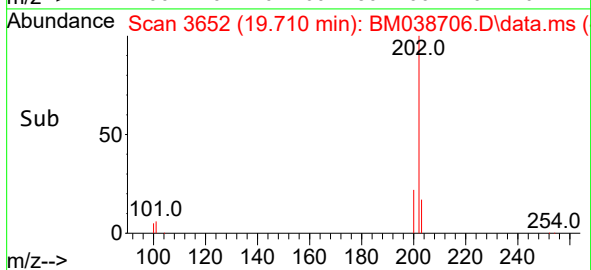
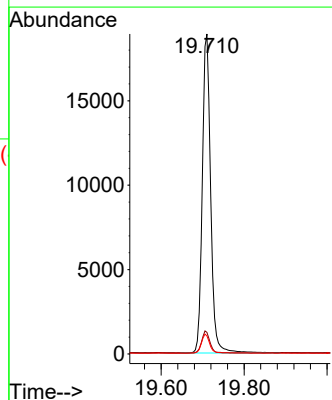
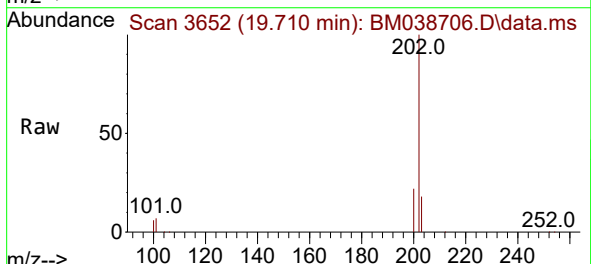
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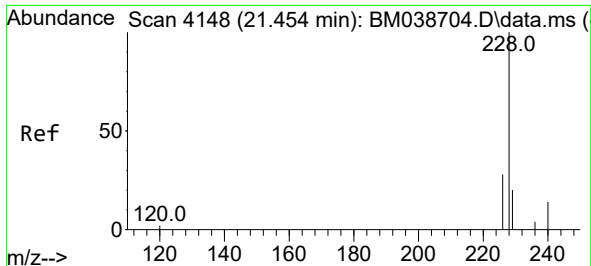
Tgt Ion:202 Resp: 25310
Ion Ratio Lower Upper
202 100
101 5.6 5.0 7.6
100 4.4 4.6 6.8#



#20
Pyrene
Concen: 1.342 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. 0.000 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:202 Resp: 26484
Ion Ratio Lower Upper
202 100
101 6.7 6.2 9.2
100 5.7 5.2 7.8

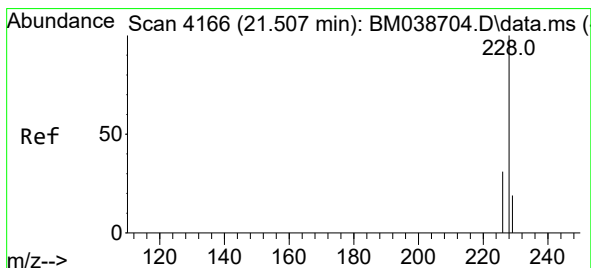
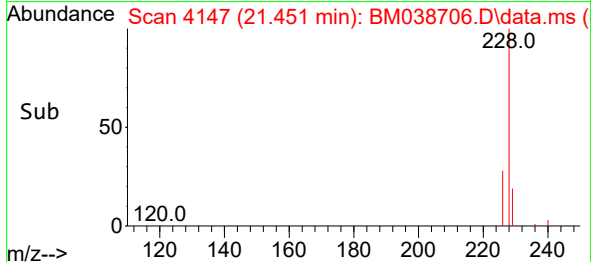
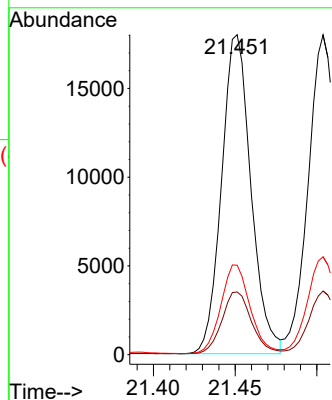
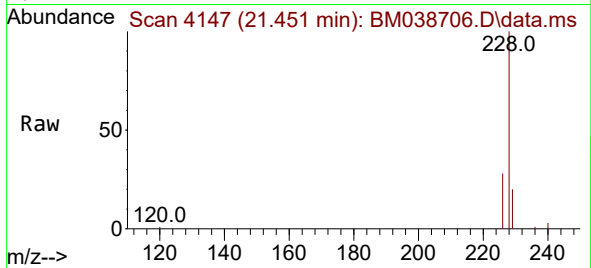




#21
Benzo(a)anthracene
Concen: 1.460 ng/ul
RT: 21.451 min Scan# 4148
Delta R.T. -0.003 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

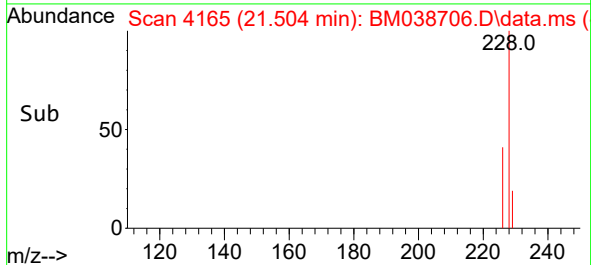
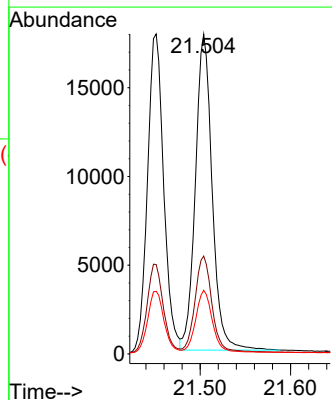
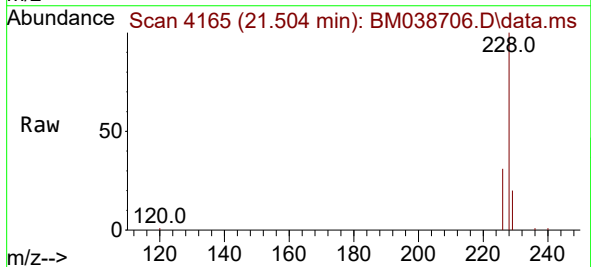
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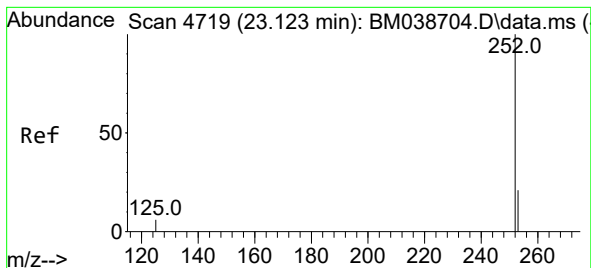
Tgt Ion:228 Resp: 22460
Ion Ratio Lower Upper
228 100
229 19.6 17.0 25.6
226 27.9 23.0 34.6



#22
Chrysene
Concen: 1.424 ng/ul
RT: 21.504 min Scan# 4165
Delta R.T. -0.003 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:228 Resp: 23009
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.0
229 19.9 16.0 24.0





#24

Benzo(b)fluoranthene

Concen: 1.447 ng/ul

RT: 23.120 min Scan# 4718

Delta R.T. -0.003 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.6047

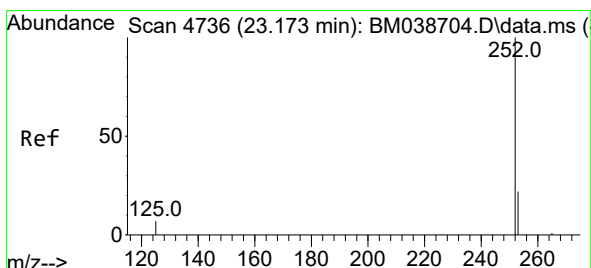
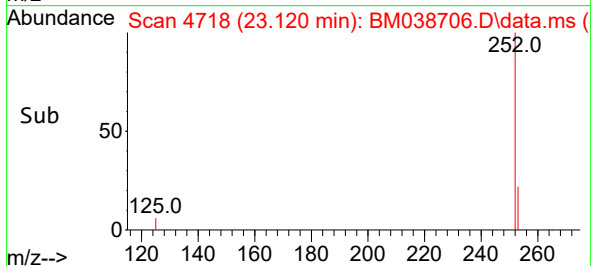
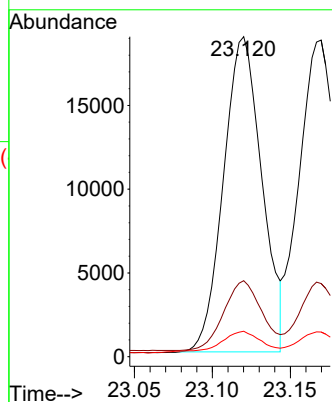
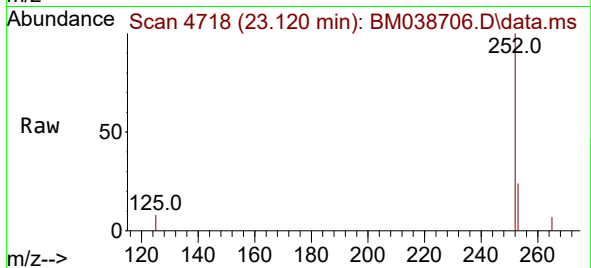
Tgt Ion:252 Resp: 32196

Ion Ratio Lower Upper

252 100

253 23.7 0.0 56.4

125 7.9 0.0 22.8



#25

Benzo(k)fluoranthene

Concen: 1.485 ng/ul

RT: 23.170 min Scan# 4735

Delta R.T. -0.003 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

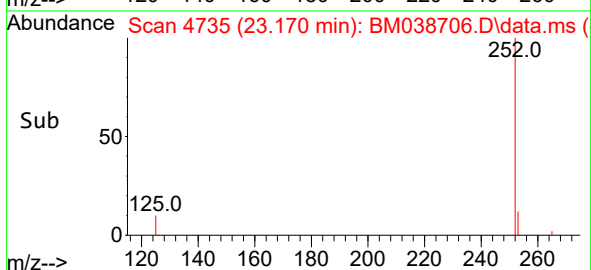
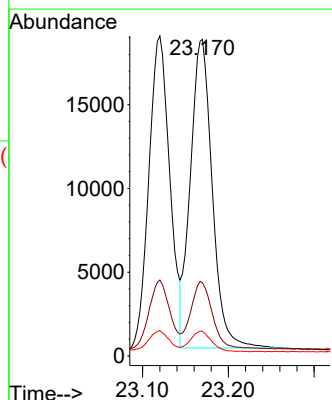
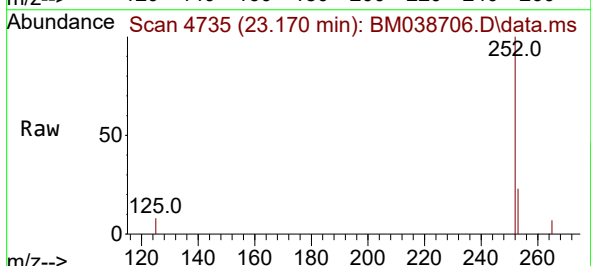
Tgt Ion:252 Resp: 32673

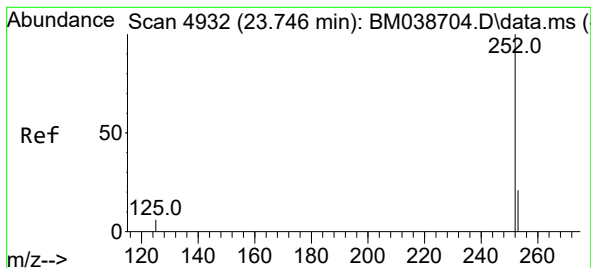
Ion Ratio Lower Upper

252 100

253 23.1 23.0 34.6

125 7.8 9.4 14.0#





#26

Benzo(a)pyrene

Concen: 1.519 ng/ul

RT: 23.743 min Scan# 4932

Delta R.T. -0.003 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

Instrument :

BNA_M

ClientSampleId :

SSTD1.6047

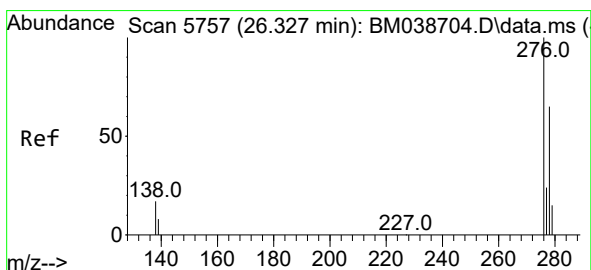
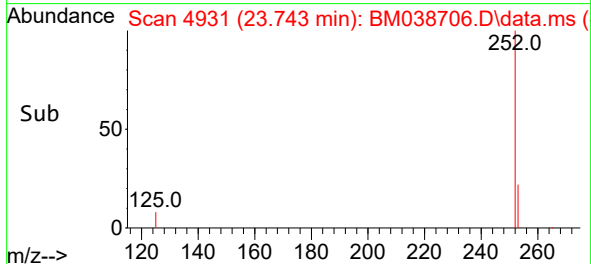
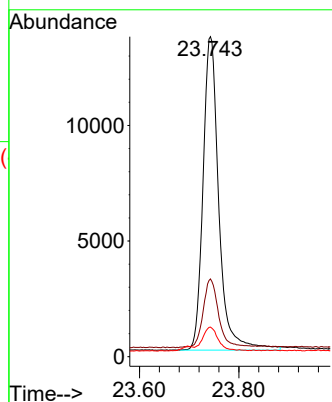
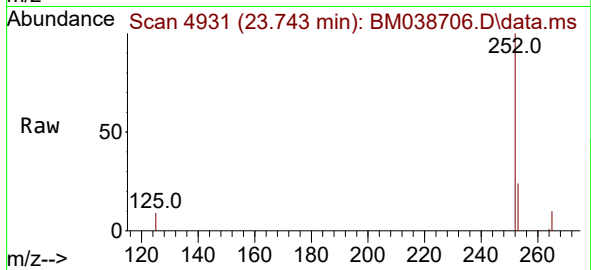
Tgt Ion:252 Resp: 29985

Ion Ratio Lower Upper

252 100

253 24.3 25.2 37.8#

125 9.3 11.4 17.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.673 ng/ul

RT: 26.320 min Scan# 5755

Delta R.T. -0.007 min

Lab File: BM038706.D

Acq: 07 Feb 2023 13:48

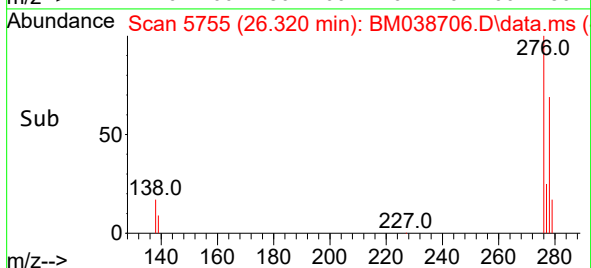
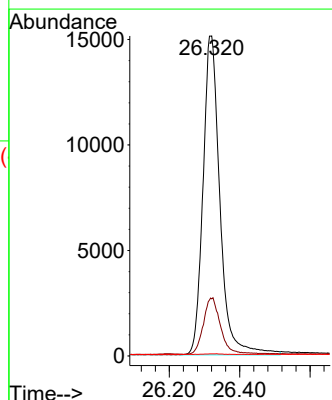
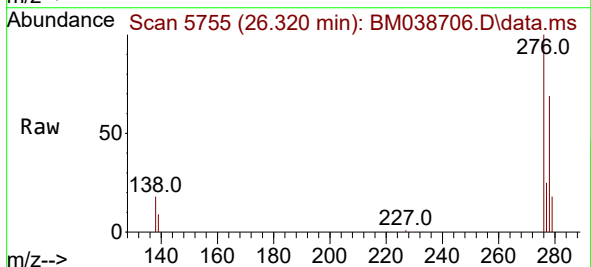
Tgt Ion:276 Resp: 50500

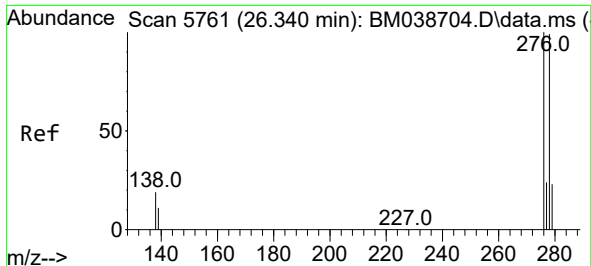
Ion Ratio Lower Upper

276 100

138 18.2 13.5 20.3

227 0.2 0.2 0.2#

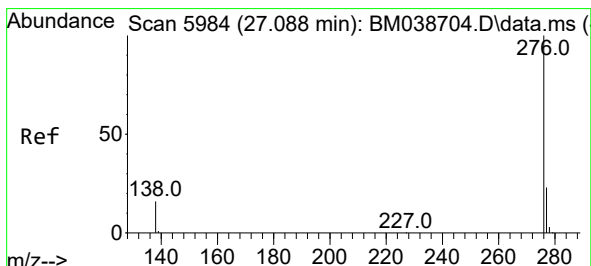
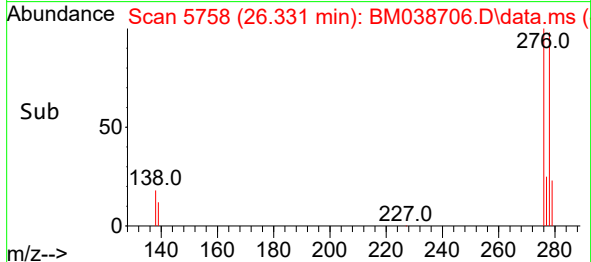
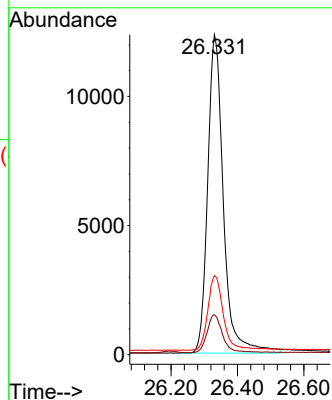
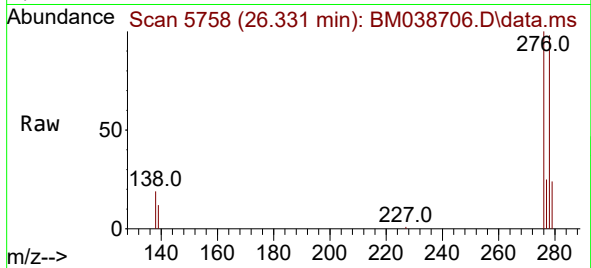




#28
Dibenzo(a,h)anthracene
Concen: 1.715 ng/ul
RT: 26.331 min Scan# 51
Delta R.T. -0.010 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Instrument :
BNA_M
ClientSampleId :
SSTD1.6047

Tgt Ion:278 Resp: 40424
Ion Ratio Lower Upper
278 100
139 12.4 11.2 16.8
279 24.7 23.8 35.8



#29
Benzo(g,h,i)perylene
Concen: 1.626 ng/ul
RT: 27.082 min Scan# 5982
Delta R.T. -0.007 min
Lab File: BM038706.D
Acq: 07 Feb 2023 13:48

Tgt Ion:276 Resp: 44116
Ion Ratio Lower Upper
276 100
138 16.0 14.5 21.7
277 24.0 20.5 30.7

