

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039809.D
 Acq On : 02 May 2023 19:19
 Operator : CG/JU
 Sample : 02419-30MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW925MSD

Quant Time: May 03 04:17:10 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

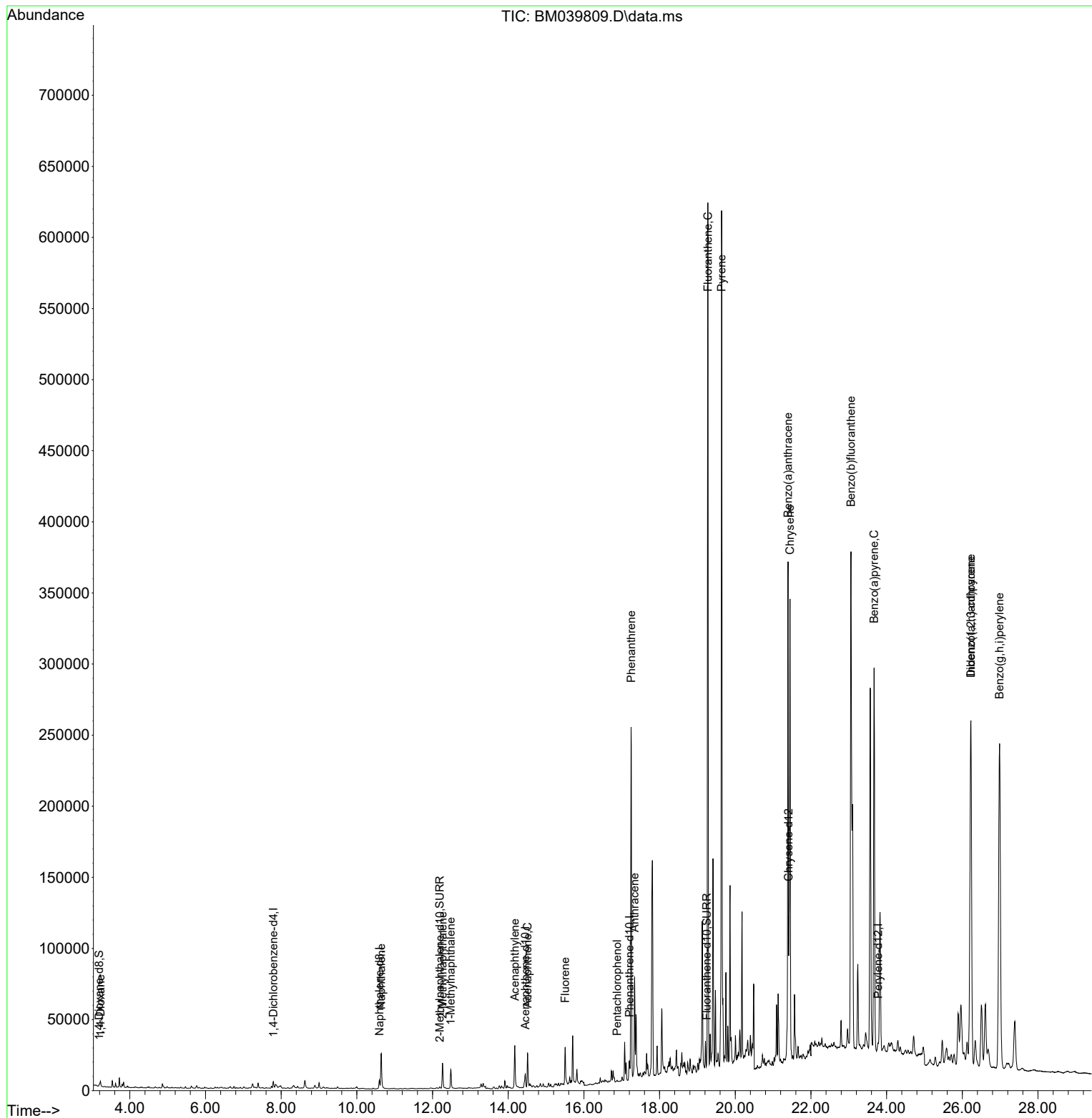
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	2991	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.595	136	9567	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.451	164	5284	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	20176	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.408	240	7288	0.400	ng/ul	# 0.00
23) Perylene-d12	23.773	264	9128	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	834	0.189	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.190	152	1840	0.150	ng/ul	-0.01
18) Fluoranthene-d10	19.243	212	3662	0.187	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.222	88	2019	0.442	ng/ul#	61
5) Naphthalene	10.645	128	20919	0.871	ng/ul	99
7) 2-Methylnaphthalene	12.267	142	14559	1.050	ng/ul	94
8) 1-Methylnaphthalene	12.481	142	9666	0.650	ng/ul	100
10) Acenaphthylene	14.173	152	42866	2.096	ng/ul	99
11) Acenaphthene	14.511	153	14545	0.905	ng/ul	98
12) Fluorene	15.506	166	17780	0.998	ng/ul	99
14) Pentachlorophenol	16.879	266	517	0.118	ng/ul#	73
15) Phenanthrene	17.246	178	261822	4.926	ng/ul	99
16) Anthracene	17.339	178	72788	1.595	ng/ul	99
19) Fluoranthene	19.276	202	520867	20.033	ng/ul	97
20) Pyrene	19.638	202	503493	17.932	ng/ul	100
21) Benzo(a)anthracene	21.394	228	304522	14.533	ng/ul	97
22) Chrysene	21.446	228	325289	13.718	ng/ul	96
24) Benzo(b)fluoranthene	23.056	252	617989	19.278	ng/ul	96
26) Benzo(a)pyrene	23.668	252	387064	13.448	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.228	276	420607	11.557	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.224	278	106207	3.760	ng/ul#	92
29) Benzo(g,h,i)perylene	26.986	276	516373	16.283	ng/ul	98

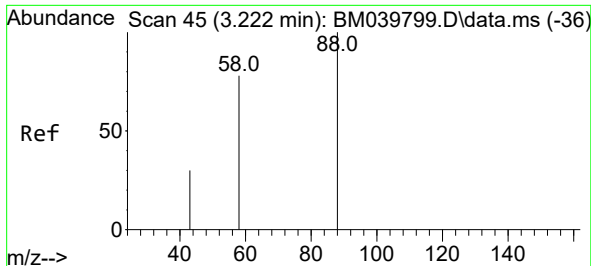
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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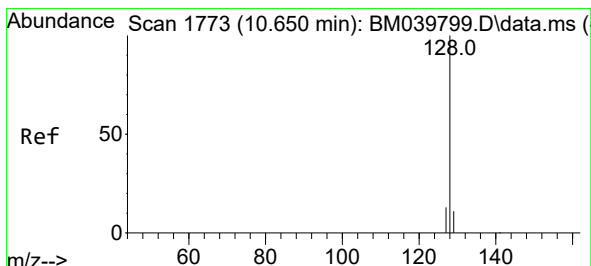
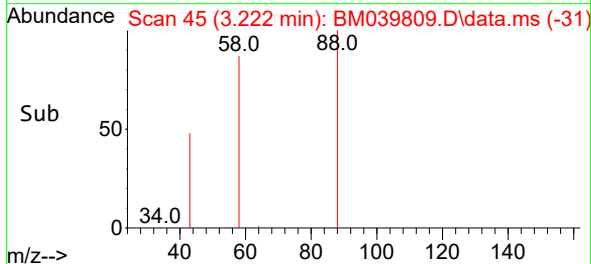
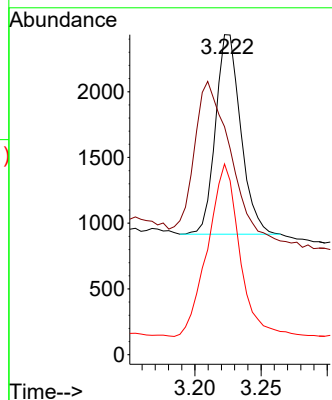
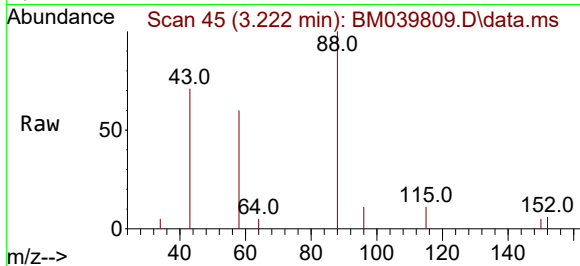




#2
1,4-Dioxane
Concen: 0.442 ng/ul
RT: 3.222 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

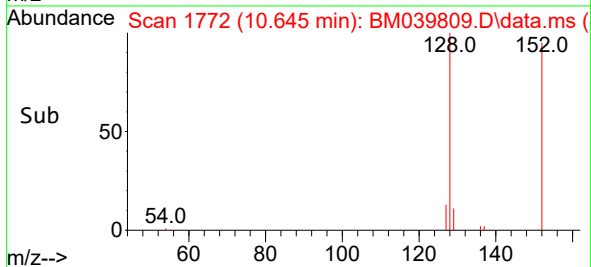
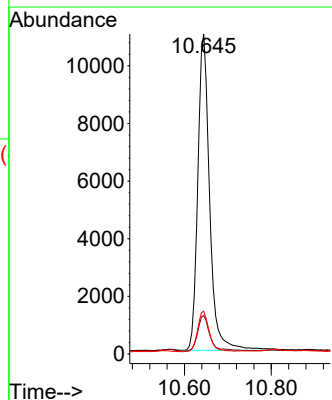
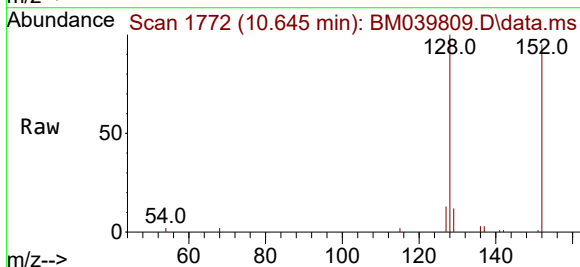
Instrument :
BNA_M
ClientSampleId :
EW925MSD

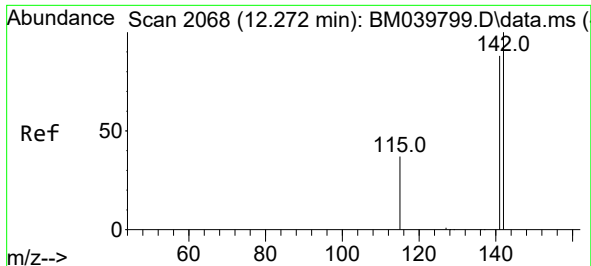
Tgt Ion: 88 Resp: 2019
Ion Ratio Lower Upper
88 100
43 71.2 102.6 153.8#
58 59.6 40.6 61.0



#5
Naphthalene
Concen: 0.871 ng/ul
RT: 10.645 min Scan# 1772
Delta R.T. -0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion: 128 Resp: 20919
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.6
127 13.4 11.1 16.7

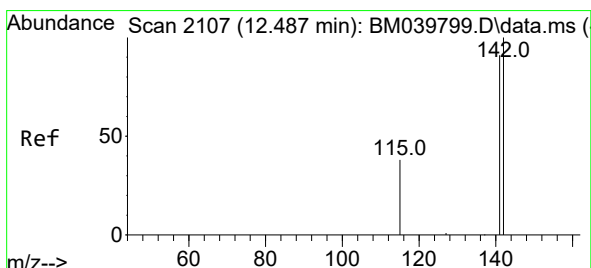
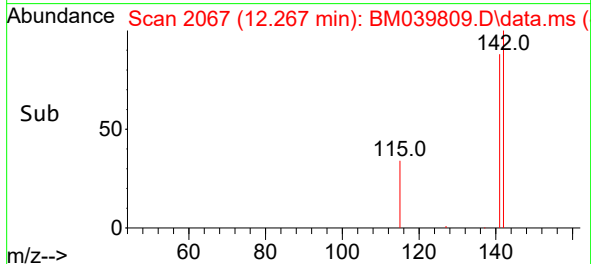
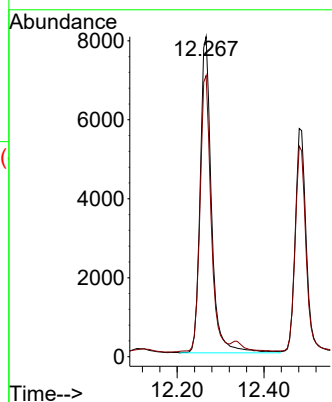
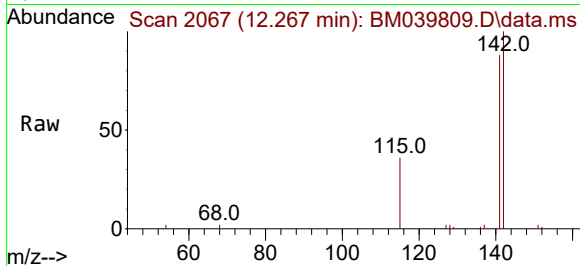




#7
2-Methylnaphthalene
Concen: 1.050 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

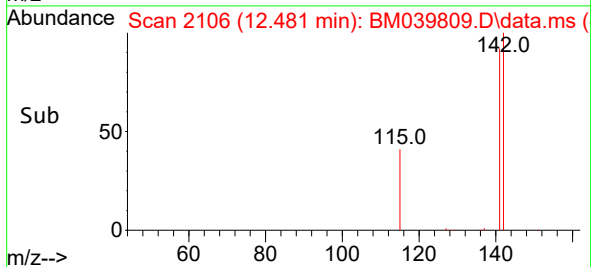
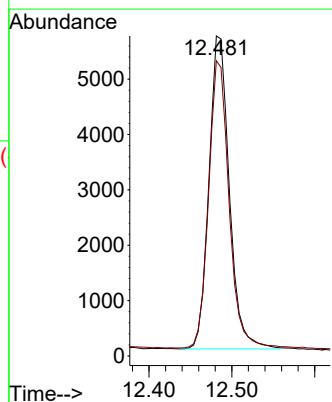
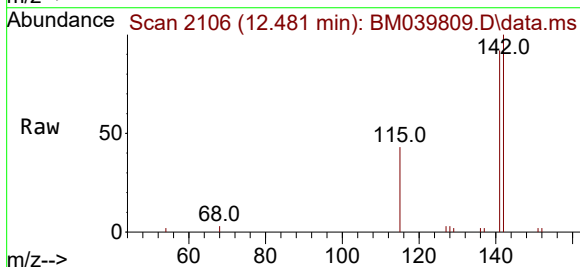
Instrument :
BNA_M
ClientSampleId :
EW925MSD

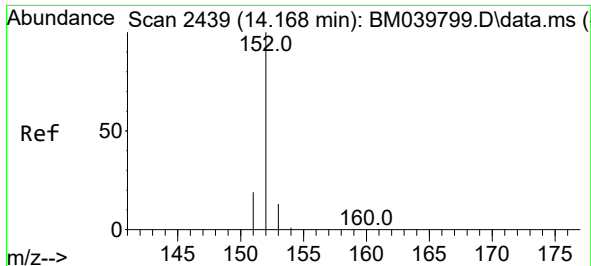
Tgt Ion:142 Resp: 14559
Ion Ratio Lower Upper
142 100
141 85.6 73.2 109.8



#8
1-Methylnaphthalene
Concen: 0.650 ng/ul
RT: 12.481 min Scan# 2106
Delta R.T. -0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion:142 Resp: 9666
Ion Ratio Lower Upper
142 100
141 91.5 73.4 110.2

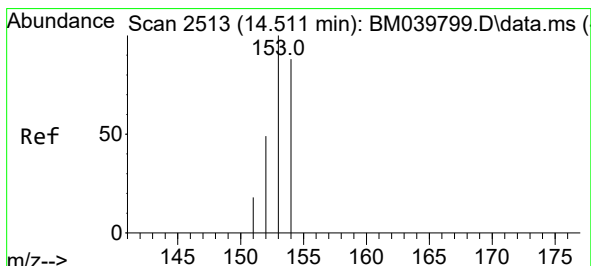
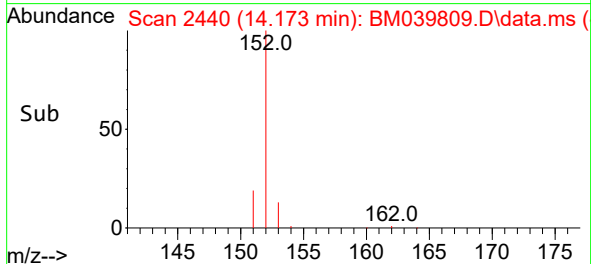
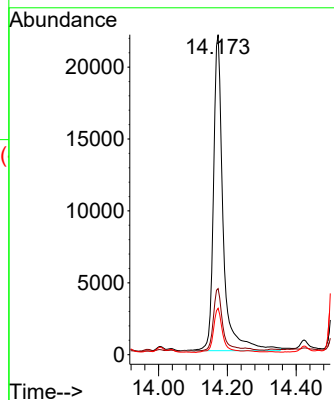
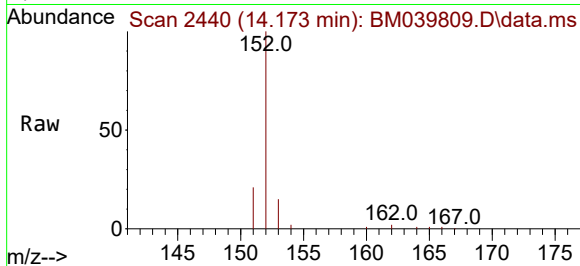




#10
Acenaphthylene
Concen: 2.096 ng/ul
RT: 14.173 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

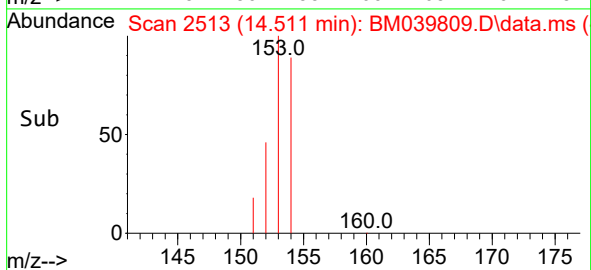
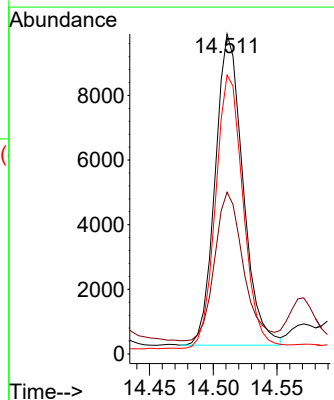
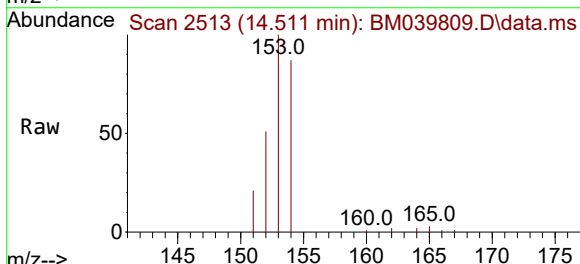
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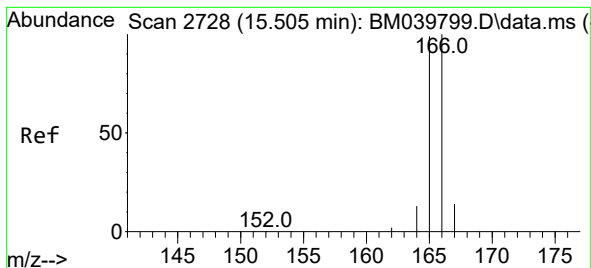
Tgt Ion:152 Resp: 42866
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 14.5 11.2 16.8



#11
Acenaphthene
Concen: 0.905 ng/ul
RT: 14.511 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion:153 Resp: 14545
Ion Ratio Lower Upper
153 100
152 50.6 40.6 61.0
154 87.1 71.9 107.9





#12

Fluorene

Concen: 0.998 ng/ul

RT: 15.506 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

Instrument :

BNA_M

ClientSampleId :

EW925MSD

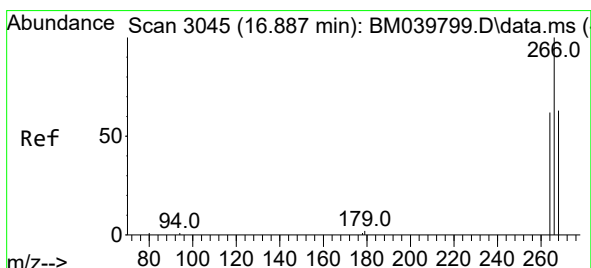
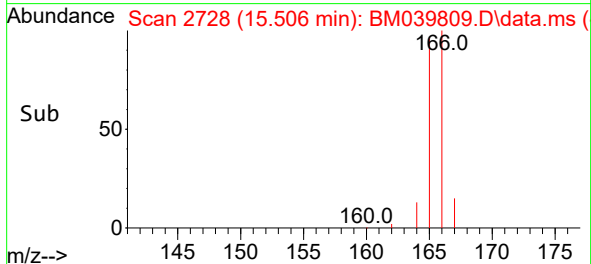
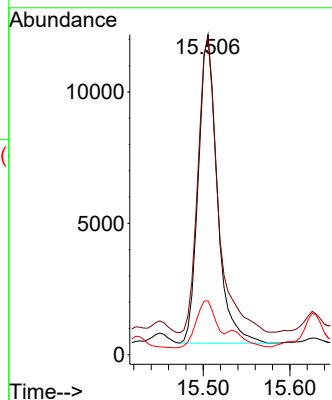
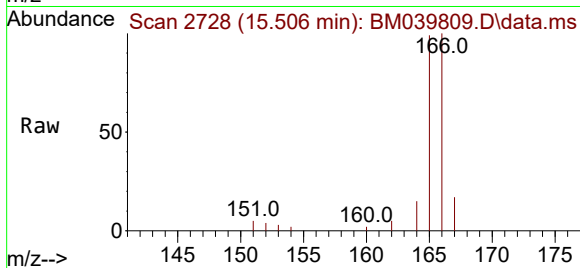
Tgt Ion:166 Resp: 17780

Ion Ratio Lower Upper

166 100

165 98.8 79.0 118.6

167 16.9 11.8 17.6



#14

Pentachlorophenol

Concen: 0.118 ng/ul

RT: 16.879 min Scan# 3043

Delta R.T. -0.008 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

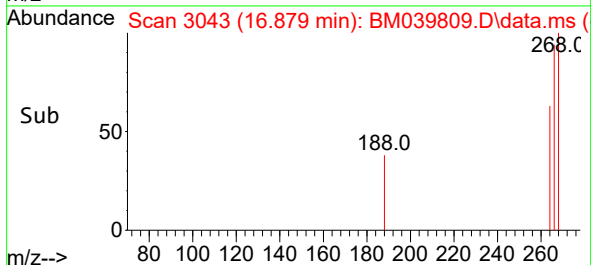
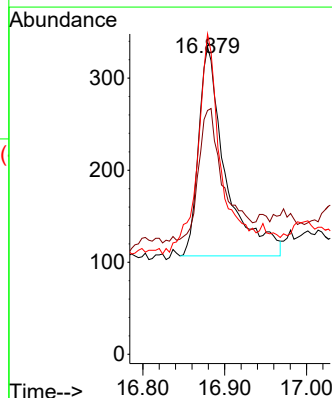
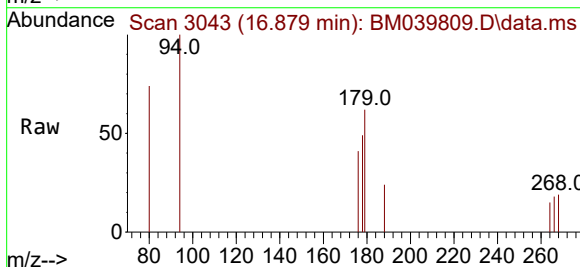
Tgt Ion:266 Resp: 517

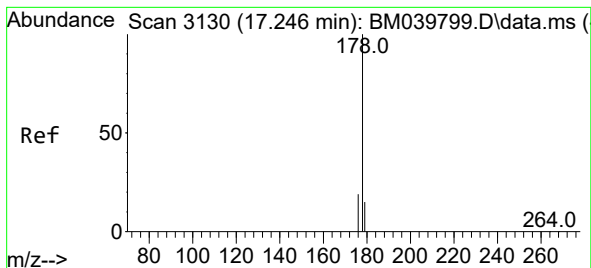
Ion Ratio Lower Upper

266 100

264 59.8 48.8 73.2

268 102.3 50.4 75.6#





#15

Phenanthrene

Concen: 4.926 ng/ul

RT: 17.246 min Scan# 3130

Delta R.T. 0.000 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

Instrument :

BNA_M

ClientSampleId :

EW925MSD

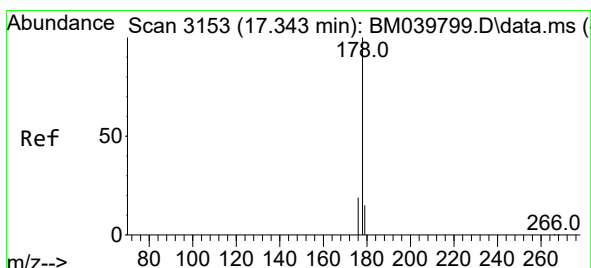
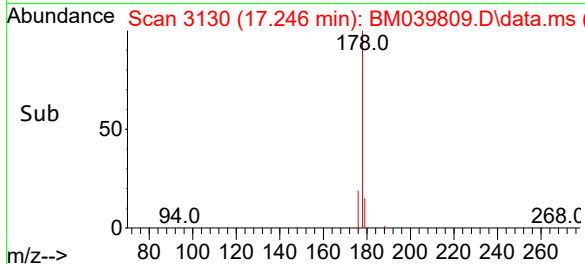
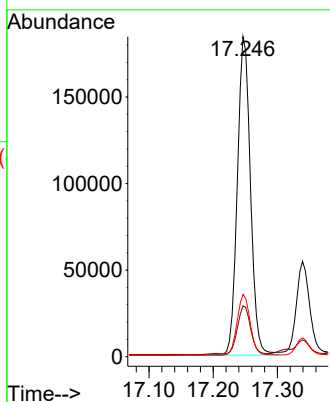
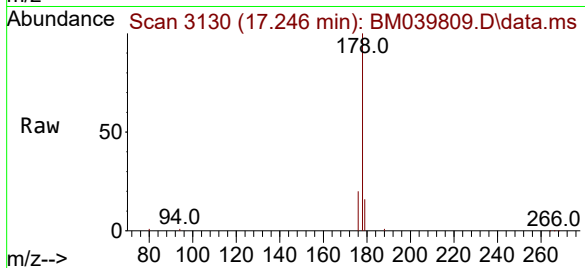
Tgt Ion:178 Resp: 261822

Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.6

176 19.5 15.8 23.8



#16

Anthracene

Concen: 1.595 ng/ul

RT: 17.339 min Scan# 3152

Delta R.T. -0.004 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

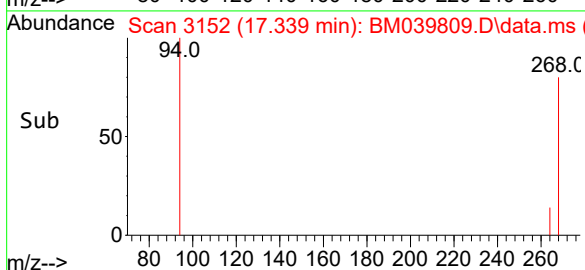
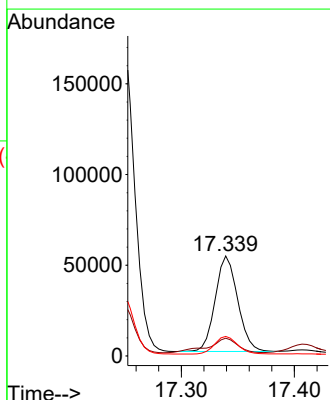
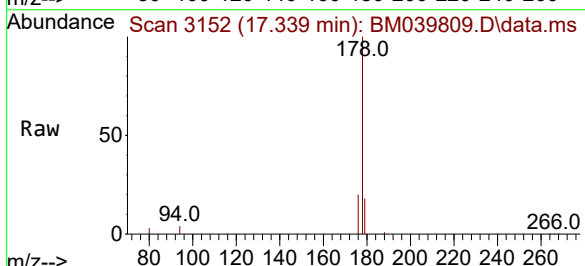
Tgt Ion:178 Resp: 72788

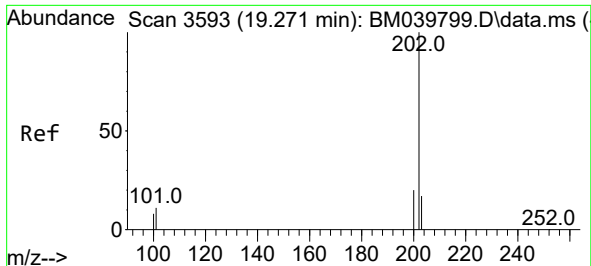
Ion Ratio Lower Upper

178 100

179 17.7 13.8 20.6

176 19.6 15.8 23.8

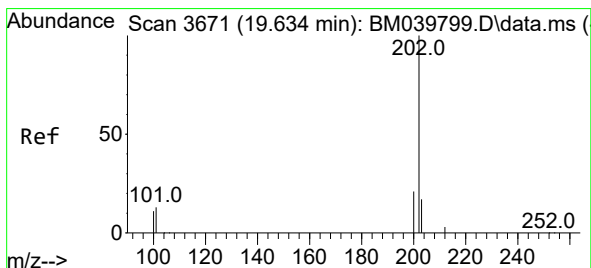
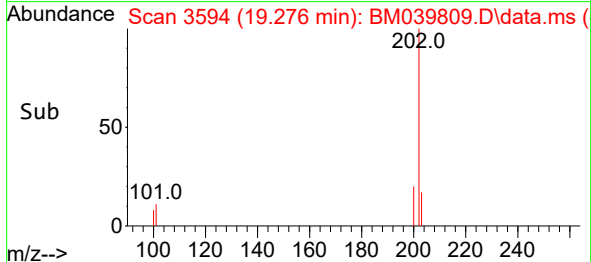
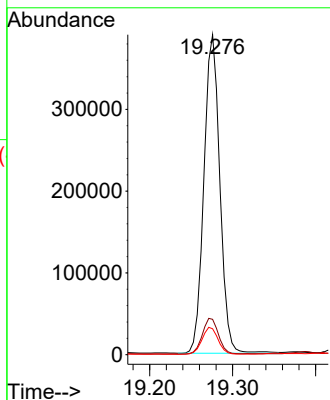
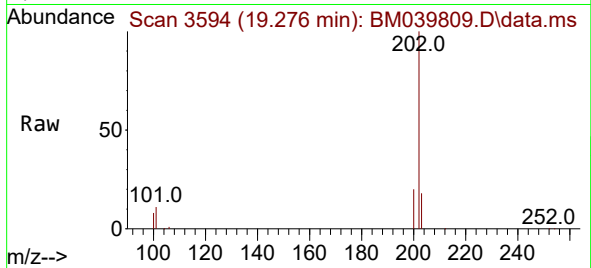




#19
Fluoranthene
Concen: 20.033 ng/u1
RT: 19.276 min Scan# 3593
Delta R.T. 0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

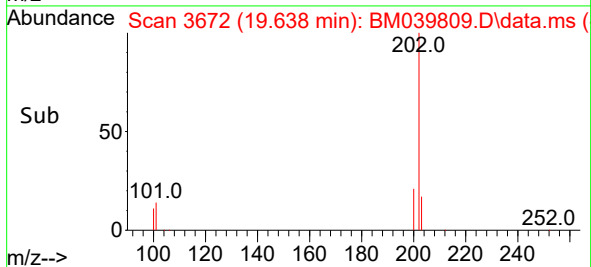
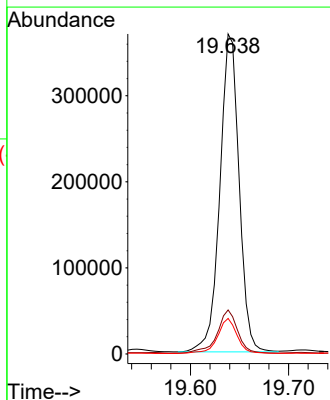
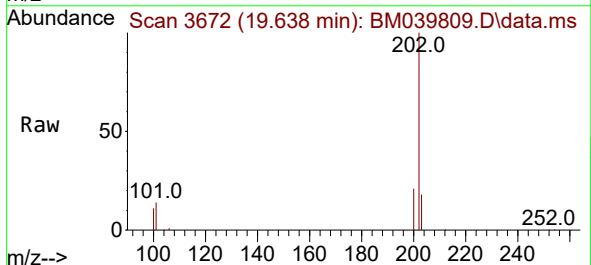
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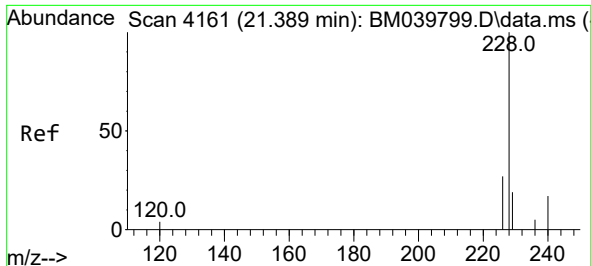
Tgt Ion:202 Resp: 520867
Ion Ratio Lower Upper
202 100
101 11.0 9.8 14.8
100 8.1 7.3 10.9



#20
Pyrene
Concen: 17.932 ng/u1
RT: 19.638 min Scan# 3672
Delta R.T. 0.005 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion:202 Resp: 503493
Ion Ratio Lower Upper
202 100
101 13.7 10.9 16.3
100 11.1 8.9 13.3

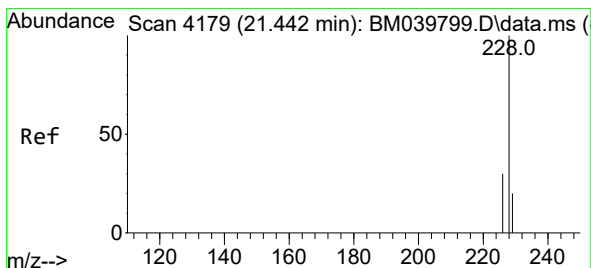
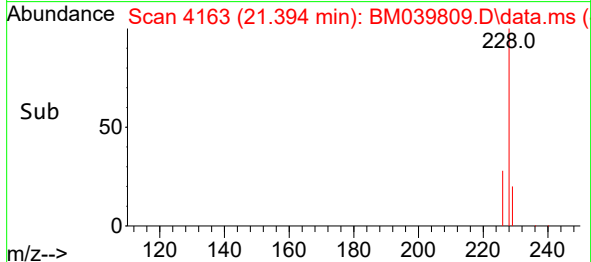
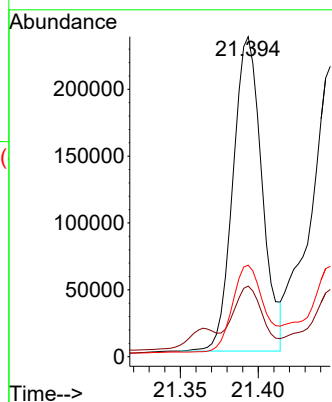
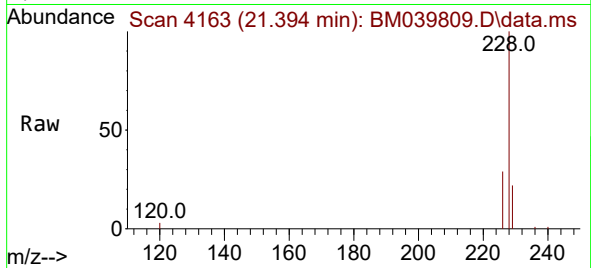




#21
Benzo(a)anthracene
Concen: 14.533 ng/ul
RT: 21.394 min Scan# 4163
Delta R.T. 0.004 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

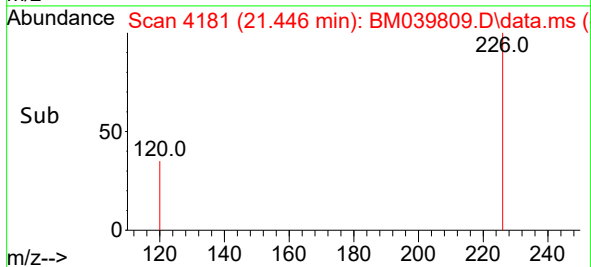
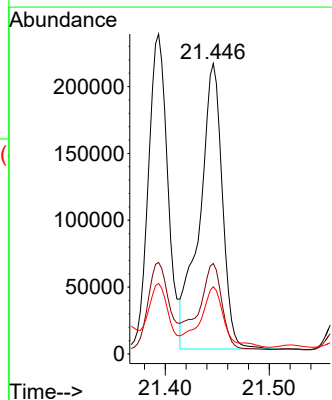
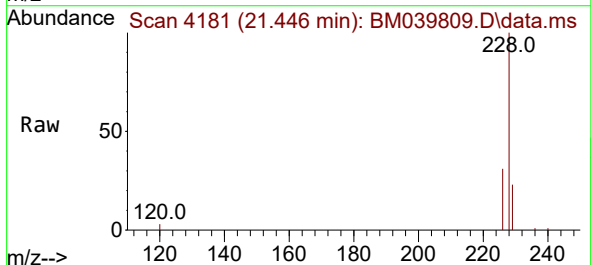
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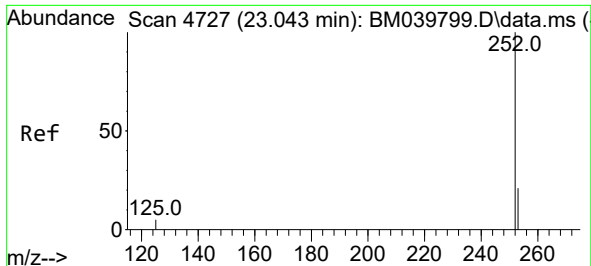
Tgt Ion:228 Resp: 304522
Ion Ratio Lower Upper
228 100
229 22.1 16.2 24.2
226 28.6 21.6 32.4



#22
Chrysene
Concen: 13.718 ng/ul
RT: 21.446 min Scan# 4181
Delta R.T. 0.004 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion:228 Resp: 325289
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 23.2 15.9 23.9

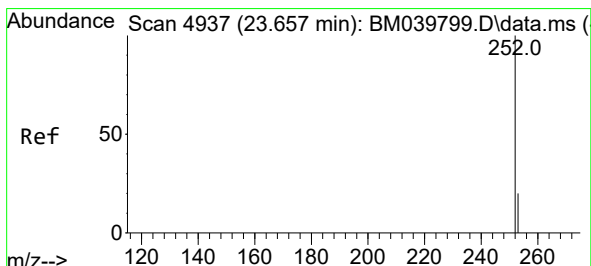
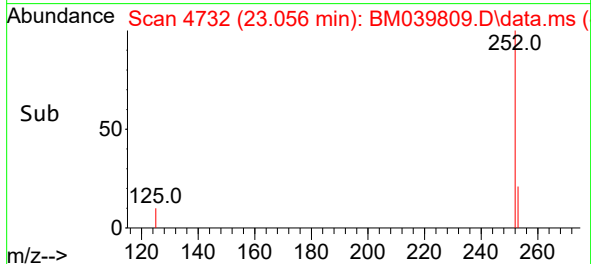
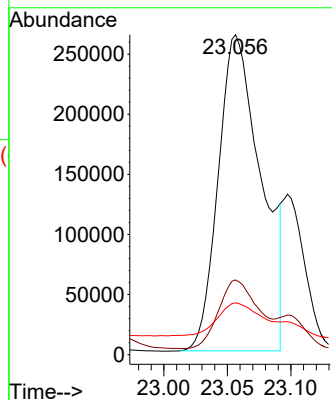
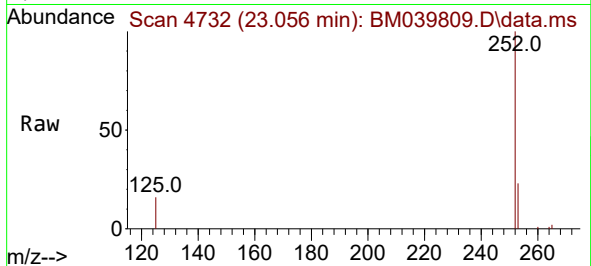




#24
Benzo(b)fluoranthene
Concen: 19.278 ng/ul
RT: 23.056 min Scan# 41
Delta R.T. 0.013 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

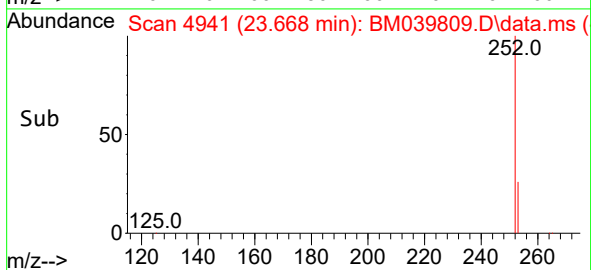
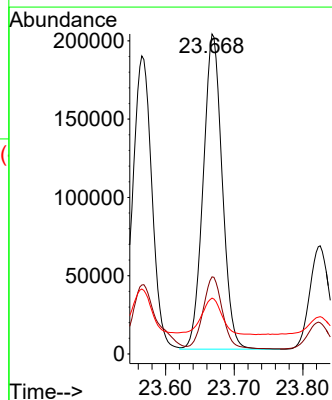
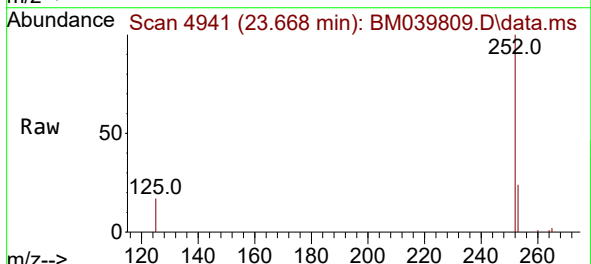
Instrument :
BNA_M
ClientSampleId :
EW925MSD

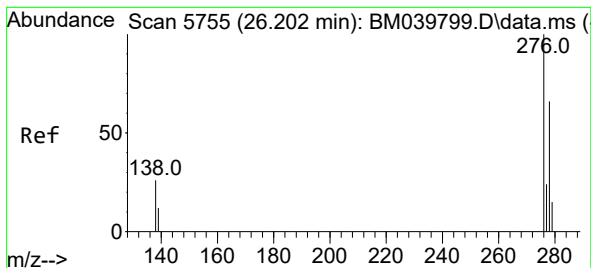
Tgt Ion:252 Resp: 617989
Ion Ratio Lower Upper
252 100
253 23.4 0.0 52.8
125 16.2 0.0 31.6



#26
Benzo(a)pyrene
Concen: 13.448 ng/ul
RT: 23.668 min Scan# 4941
Delta R.T. 0.010 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Tgt Ion:252 Resp: 387064
Ion Ratio Lower Upper
252 100
253 24.1 24.7 37.1#
125 17.5 16.5 24.7





#27

Indeno(1,2,3-cd)pyrene

Concen: 11.557 ng/ul

RT: 26.228 min Scan# 5

Delta R.T. 0.025 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

Instrument :

BNA_M

ClientSampleId :

EW925MSD

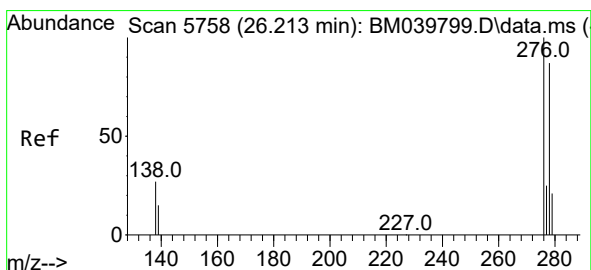
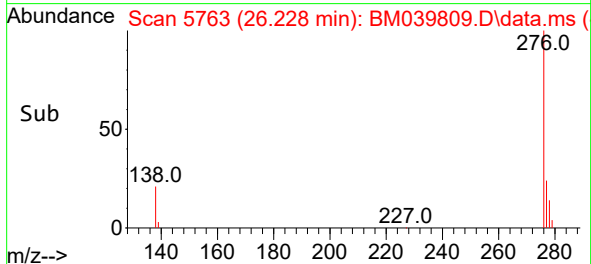
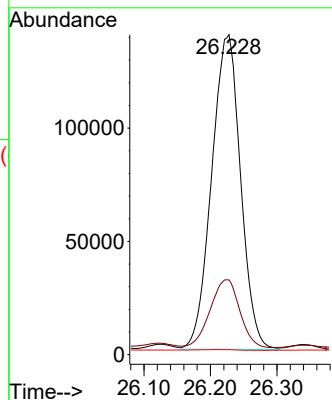
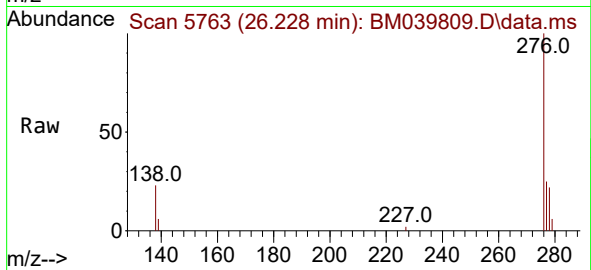
Tgt Ion:276 Resp: 420607

Ion Ratio Lower Upper

276 100

138 22.0 21.1 31.7

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 3.760 ng/ul

RT: 26.224 min Scan# 5762

Delta R.T. 0.012 min

Lab File: BM039809.D

Acq: 02 May 2023 19:19

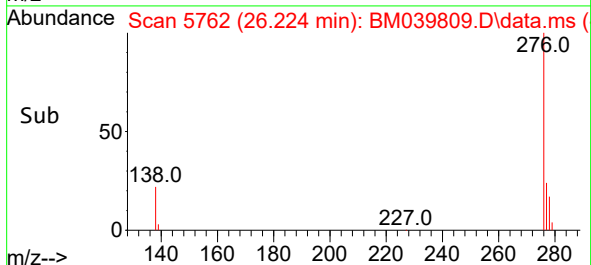
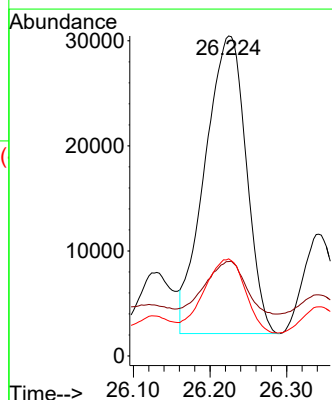
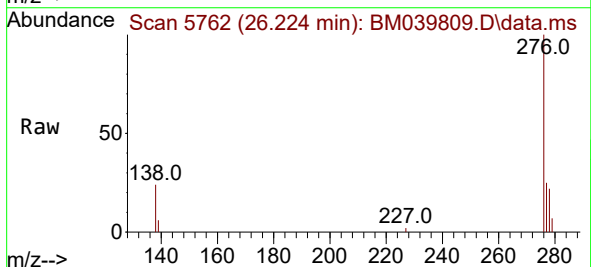
Tgt Ion:278 Resp: 106207

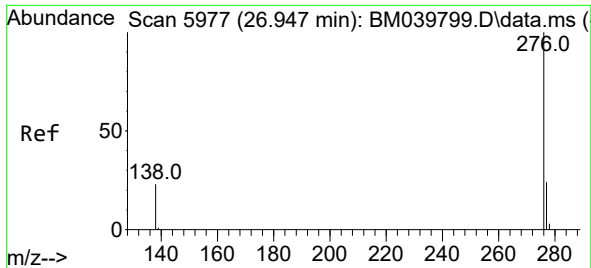
Ion Ratio Lower Upper

278 100

139 29.5 17.0 25.6#

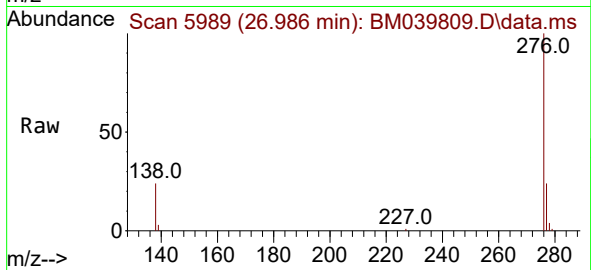
279 30.3 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 16.283 ng/ul
RT: 26.986 min Scan# 51
Delta R.T. 0.039 min
Lab File: BM039809.D
Acq: 02 May 2023 19:19

Instrument :
BNA_M
ClientSampleId :
EW925MSD



Tgt Ion:	276	Resp:	516373
Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.1	30.1
277	24.3	20.1	30.1

