

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040854.D
 Acq On : 13 Jul 2023 17:59
 Operator : MA/JU
 Sample : 03418-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4663

Quant Time: Jul 14 03:16:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

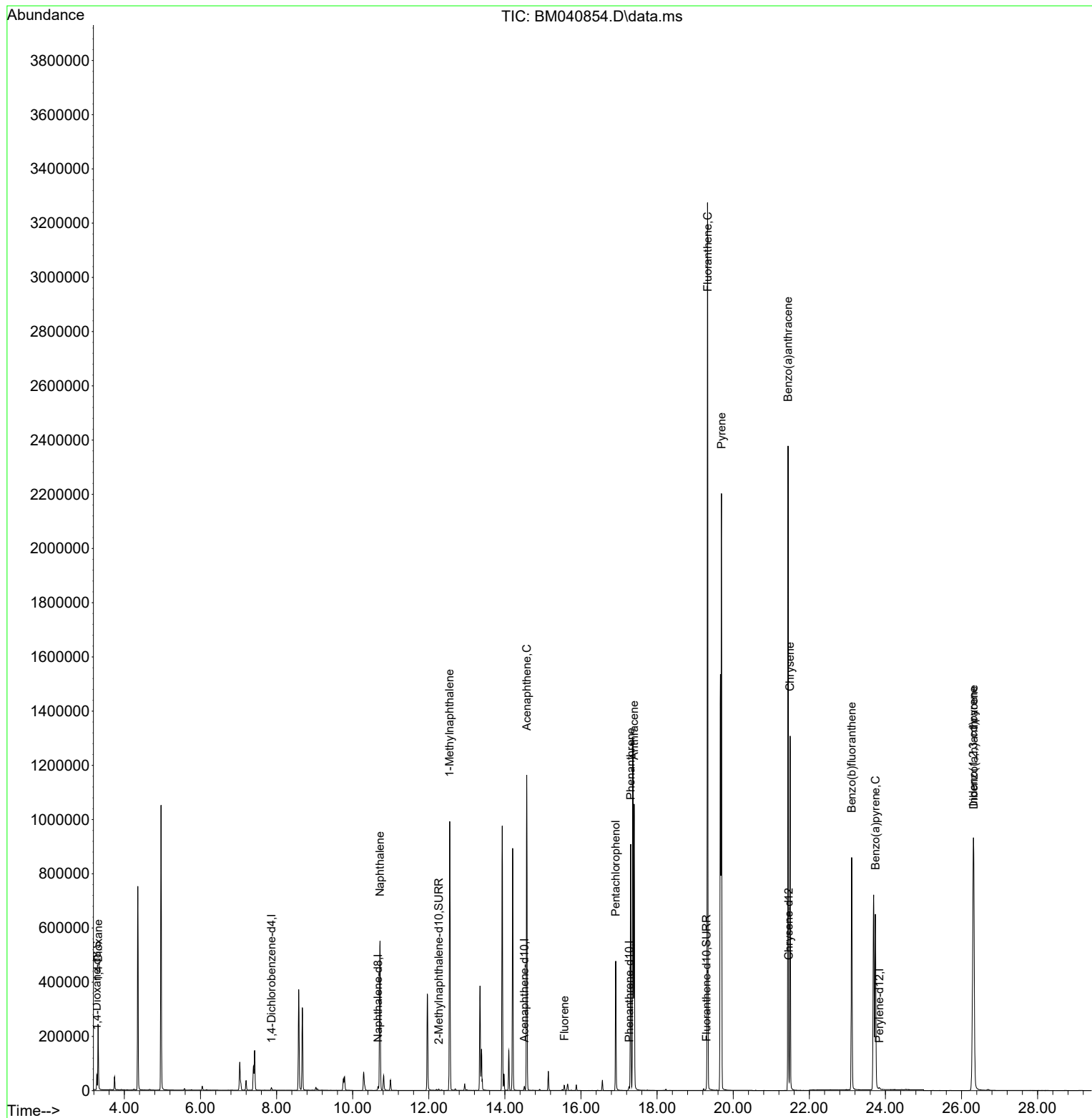
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	4946	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	17823	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	8001	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	15172	0.400	ng/ul	0.00
17) Chrysene-d12	21.457	240	9552	0.400	ng/ul	# 0.00
23) Perylene-d12	23.842	264	8602	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	27870	3.587	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	6475	0.259	ng/ul	0.00
18) Fluoranthene-d10	19.297	212	11093	0.362	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	136461	17.256	ng/ul#	85
5) Naphthalene	10.719	128	730183	14.853	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	622843	21.586	ng/ul	100
11) Acenaphthene	14.573	153	621737	20.598	ng/ul	98
12) Fluorene	15.564	166	9025	0.280	ng/ul#	96
14) Pentachlorophenol	16.915	266	268373	91.866	ng/ul	93
15) Phenanthrene	17.308	178	888043	18.843	ng/ul	98
16) Anthracene	17.396	178	1016449	25.666	ng/ul	99
19) Fluoranthene	19.329	202	2444101	60.237	ng/ul#	91
20) Pyrene	19.692	202	1547616	35.577	ng/ul	95
21) Benzo(a)anthracene	21.442	228	1689530	52.292	ng/ul	99
22) Chrysene	21.495	228	964420	26.167	ng/ul	99
24) Benzo(b)fluoranthene	23.114	252	1019676	30.630	ng/ul	85
26) Benzo(a)pyrene	23.737	252	835967	27.878	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.307	276	1200150	28.738	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.320	278	754821	23.085	ng/ul#	91

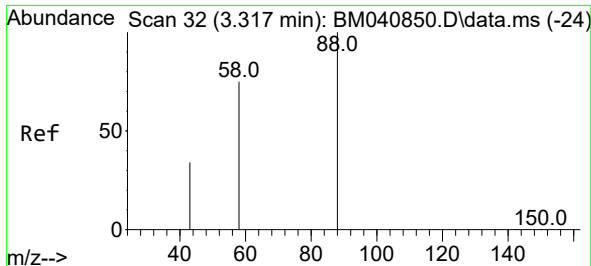
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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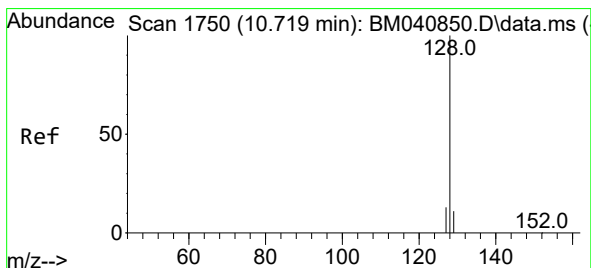
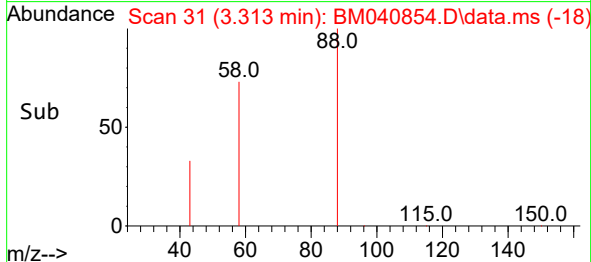
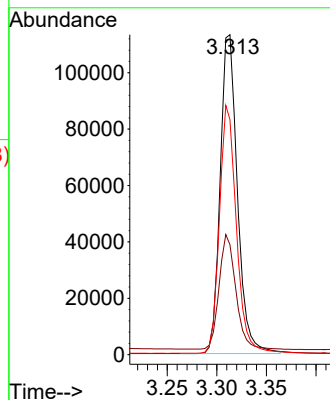
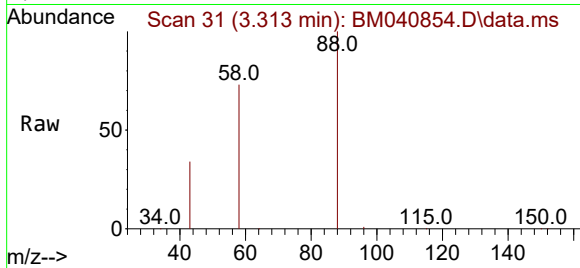




#2
1,4-Dioxane
Concen: 17.256 ng/ul
RT: 3.313 min Scan# 31
Delta R.T. -0.004 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

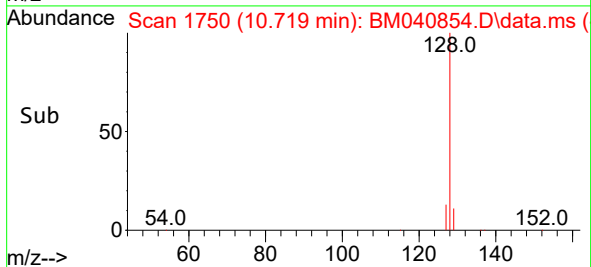
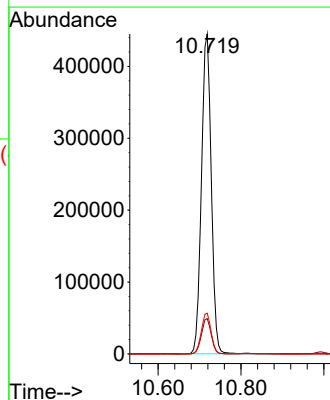
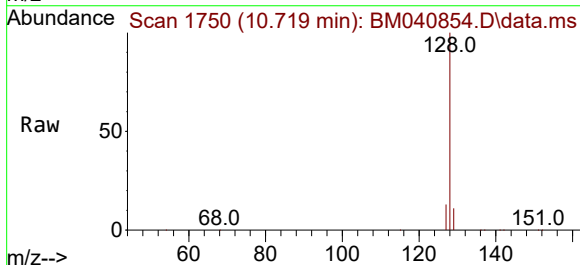
Instrument :
BNA_M
ClientSampleId :
A4663

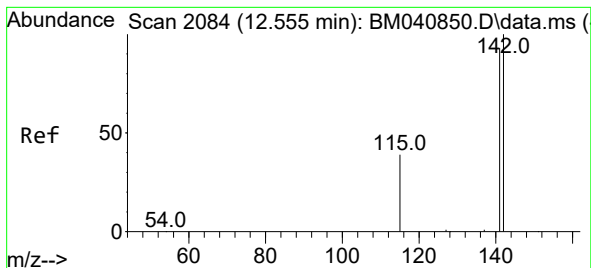
Tgt Ion: 88 Resp: 136461
Ion Ratio Lower Upper
88 100
43 34.4 36.1 54.1#
58 73.5 49.8 74.8



#5
Naphthalene
Concen: 14.853 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

Tgt Ion:128 Resp: 730183
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.7 10.6 15.8





#8

1-Methylnaphthalene

Concen: 21.586 ng/ul

RT: 12.550 min Scan# 2084

Delta R.T. -0.005 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

Instrument :

BNA_M

ClientSampleId :

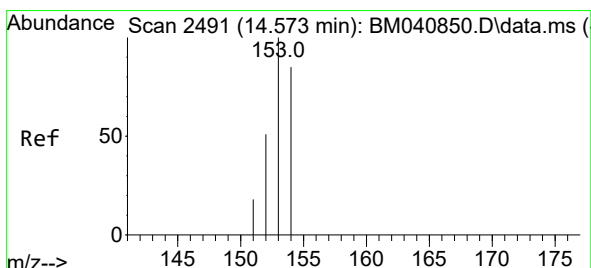
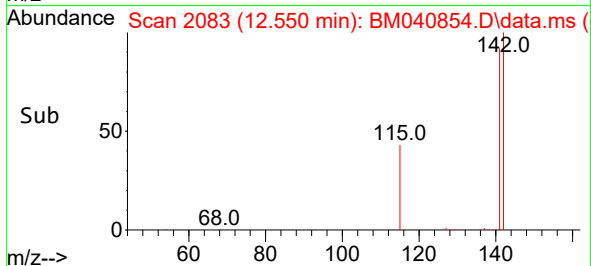
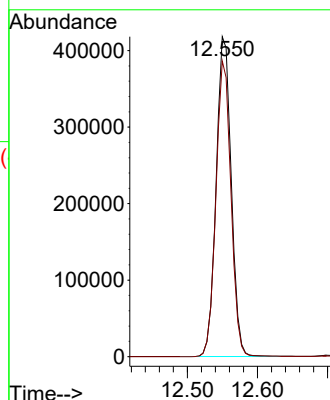
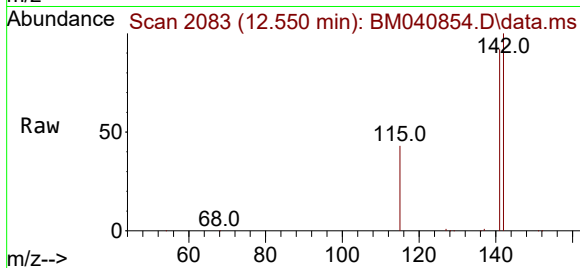
A4663

Tgt Ion:142 Resp: 622843

Ion Ratio Lower Upper

142 100

141 92.1 73.7 110.5



#11

Acenaphthene

Concen: 20.598 ng/ul

RT: 14.573 min Scan# 2491

Delta R.T. 0.000 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

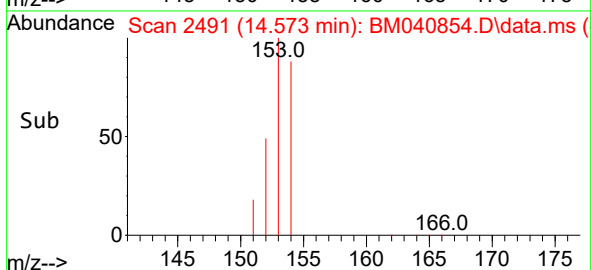
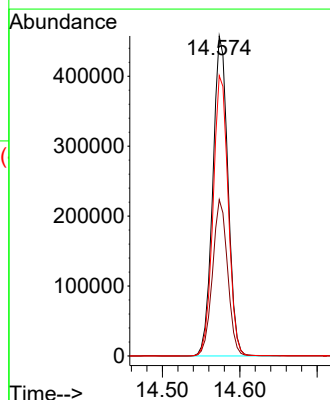
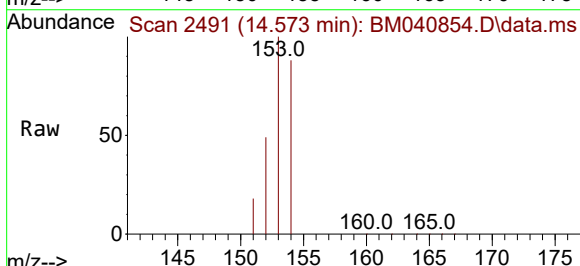
Tgt Ion:153 Resp: 621737

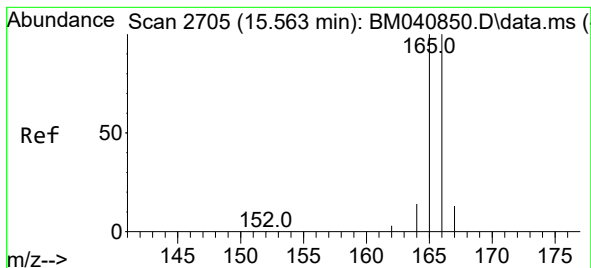
Ion Ratio Lower Upper

153 100

152 48.9 41.0 61.4

154 87.6 70.8 106.2





#12

Fluorene

Concen: 0.280 ng/ul

RT: 15.564 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

Instrument :

BNA_M

ClientSampleId :

A4663

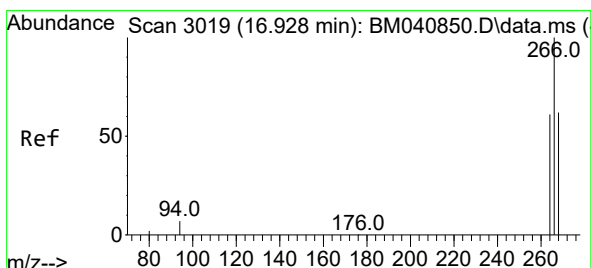
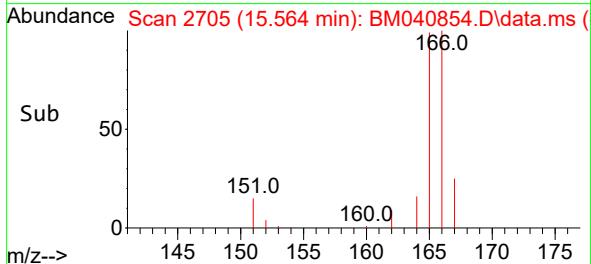
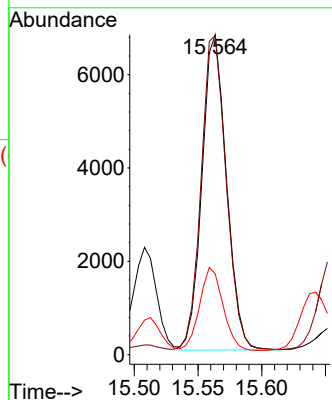
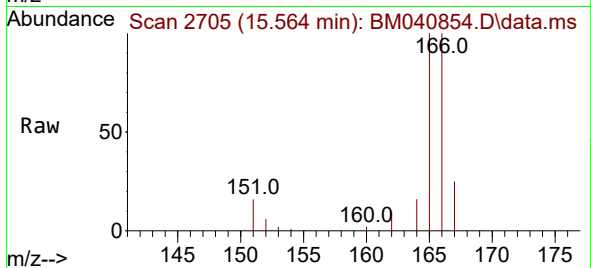
Tgt Ion:166 Resp: 9025

Ion Ratio Lower Upper

166 100

165 99.8 79.6 119.4

167 25.3 11.4 17.0#



#14

Pentachlorophenol

Concen: 91.866 ng/ul

RT: 16.915 min Scan# 3016

Delta R.T. -0.013 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

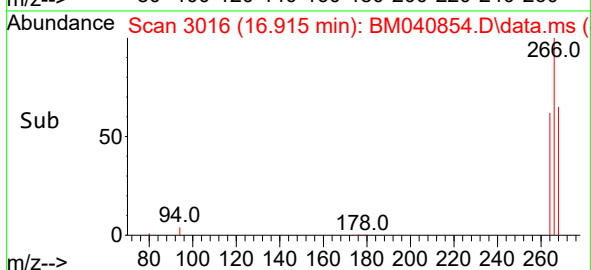
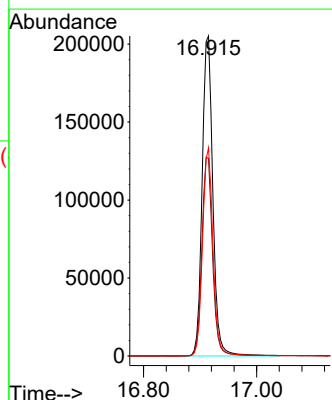
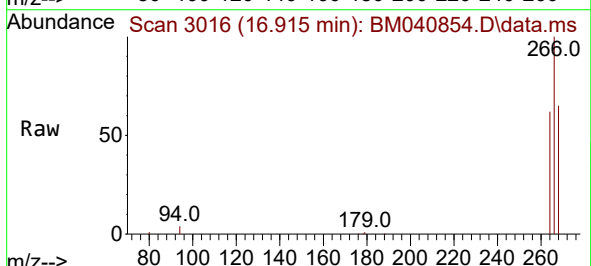
Tgt Ion:266 Resp: 268373

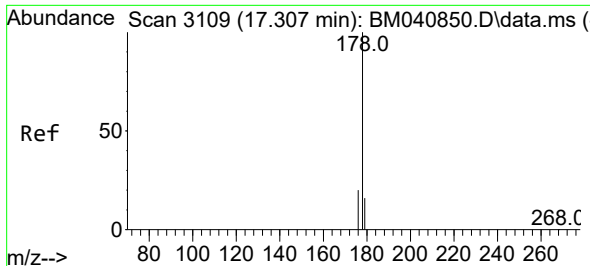
Ion Ratio Lower Upper

266 100

264 62.5 45.4 68.0

268 64.0 47.2 70.8

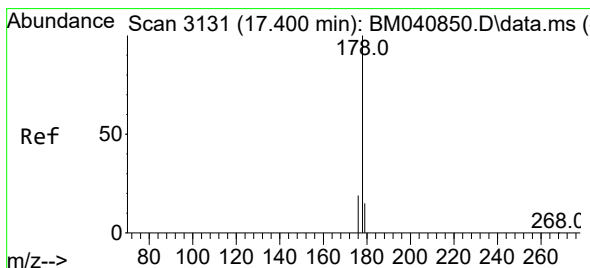
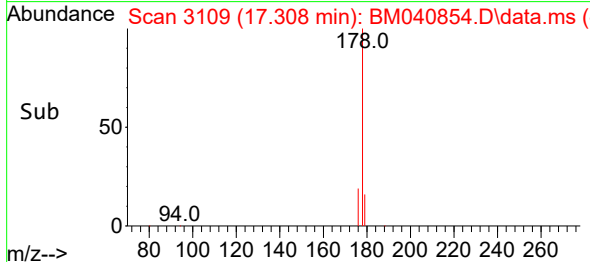
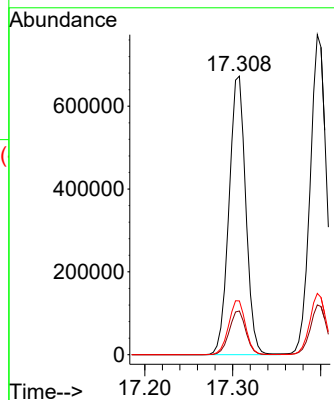
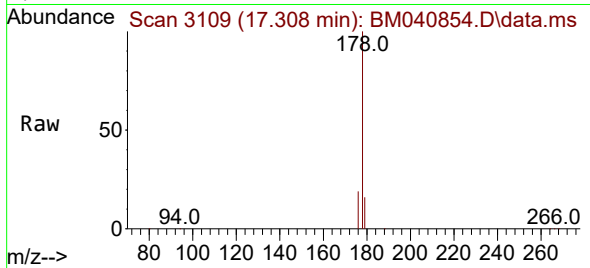




#15
Phenanthrene
Concen: 18.843 ng/ul
RT: 17.308 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

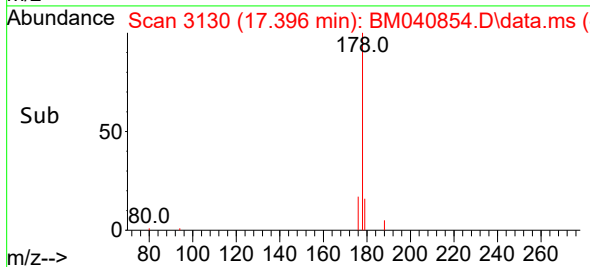
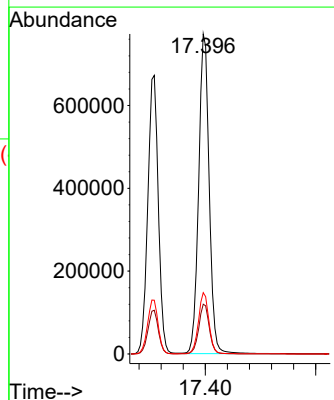
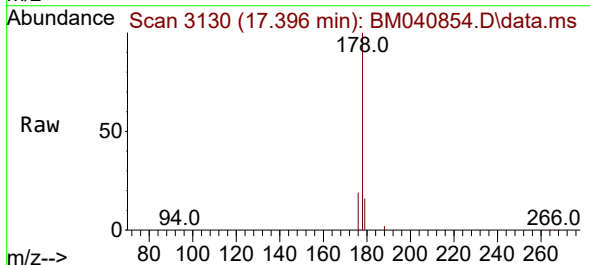
Instrument :
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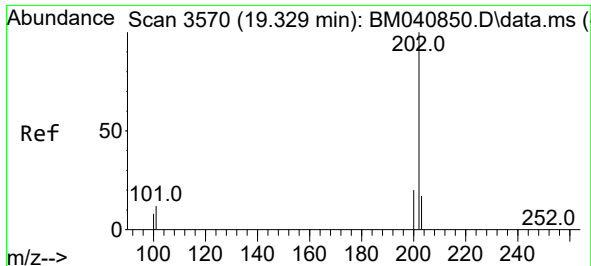
Tgt Ion:178 Resp: 888043
Ion Ratio Lower Upper
178 100
179 15.7 12.8 19.2
176 19.3 16.4 24.6



#16
Anthracene
Concen: 25.666 ng/ul
RT: 17.396 min Scan# 3130
Delta R.T. -0.004 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

Tgt Ion:178 Resp: 1016449
Ion Ratio Lower Upper
178 100
179 15.5 12.9 19.3
176 19.2 15.8 23.6

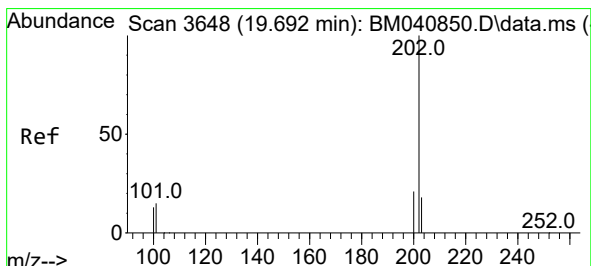
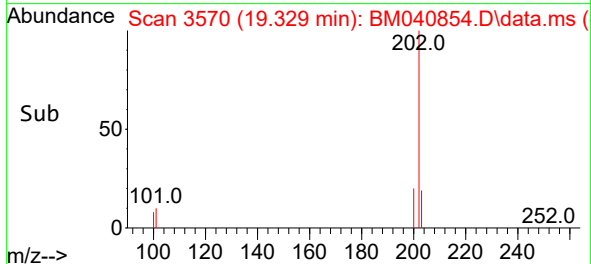
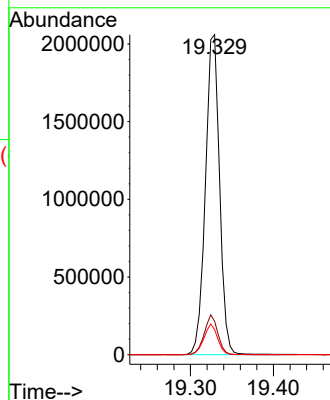
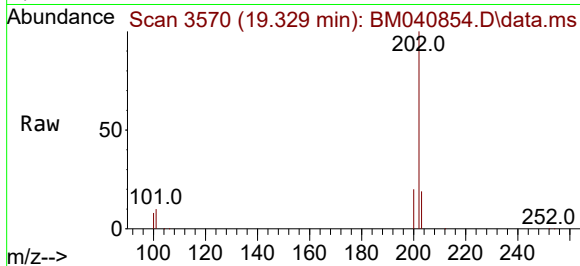




#19
Fluoranthene
Concen: 60.237 ng/ul
RT: 19.329 min Scan# 3570
Delta R.T. 0.000 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

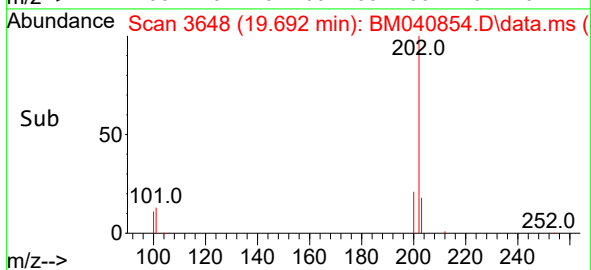
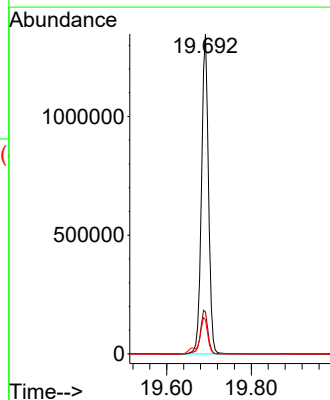
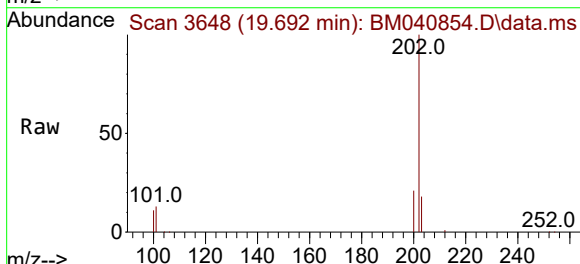
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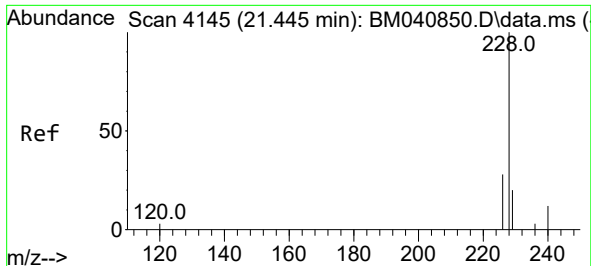
Tgt Ion:202 Resp: 2444101
Ion Ratio Lower Upper
202 100
101 10.5 11.4 17.0#
100 7.9 8.7 13.1#



#20
Pyrene
Concen: 35.577 ng/ul
RT: 19.692 min Scan# 3648
Delta R.T. 0.000 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

Tgt Ion:202 Resp: 1547616
Ion Ratio Lower Upper
202 100
101 13.1 12.6 18.8
100 10.7 9.8 14.6

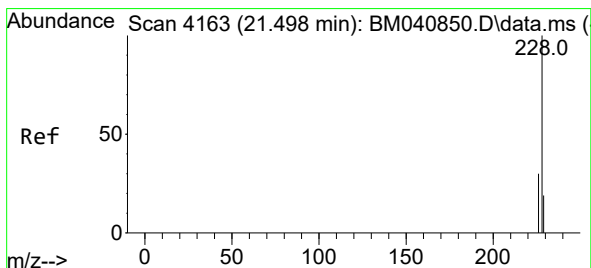
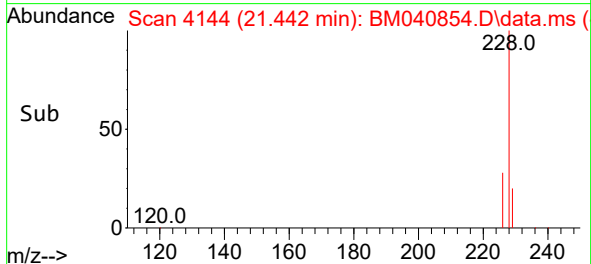
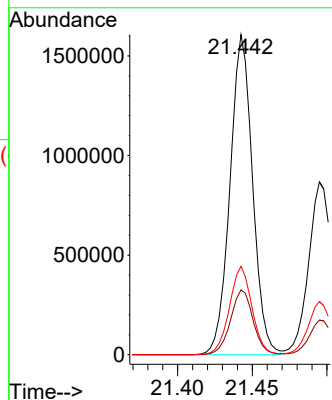
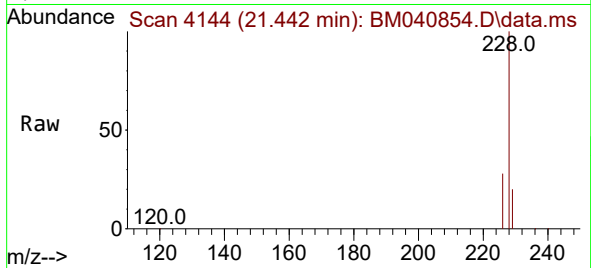




#21
Benzo(a)anthracene
Concen: 52.292 ng/ul
RT: 21.442 min Scan# 4145
Delta R.T. -0.003 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

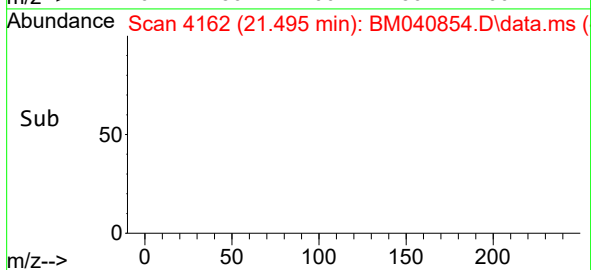
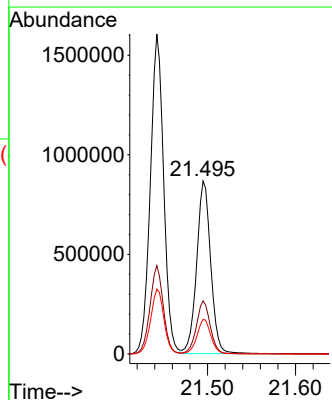
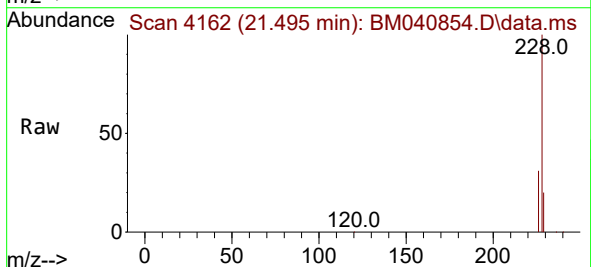
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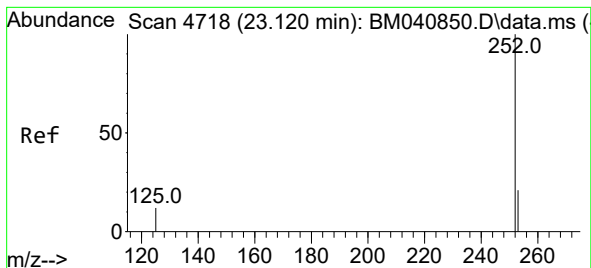
Tgt Ion:228 Resp: 1689530
Ion Ratio Lower Upper
228 100
229 20.3 16.0 24.0
226 27.6 22.3 33.5



#22
Chrysene
Concen: 26.167 ng/ul
RT: 21.495 min Scan# 4162
Delta R.T. -0.003 min
Lab File: BM040854.D
Acq: 13 Jul 2023 17:59

Tgt Ion:228 Resp: 964420
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 20.0 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 30.630 ng/ul

RT: 23.114 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

Instrument :

BNA_M

ClientSampleId :

A4663

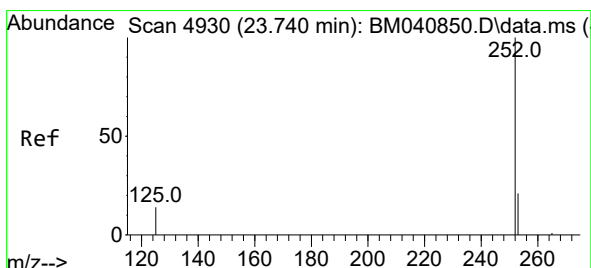
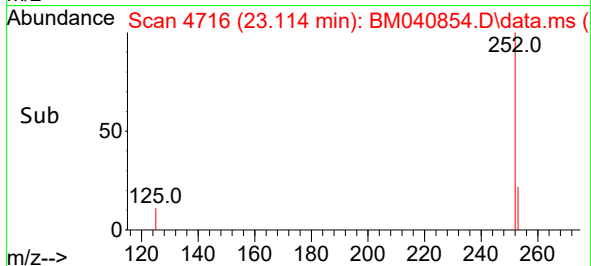
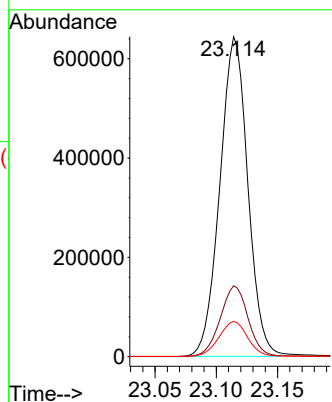
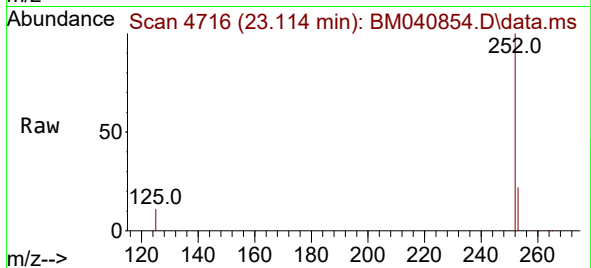
Tgt Ion:252 Resp: 1019676

Ion Ratio Lower Upper

252 100

253 22.1 0.0 52.8

125 11.0 0.0 43.0



#26

Benzo(a)pyrene

Concen: 27.878 ng/ul

RT: 23.737 min Scan# 4929

Delta R.T. -0.003 min

Lab File: BM040854.D

Acq: 13 Jul 2023 17:59

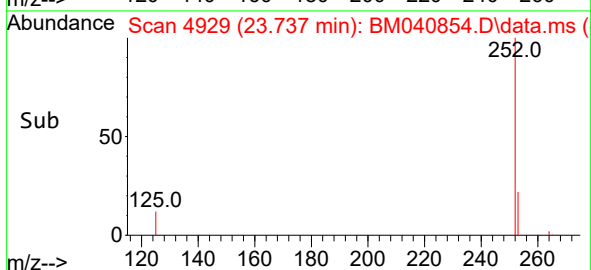
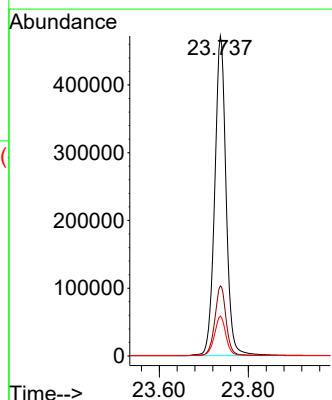
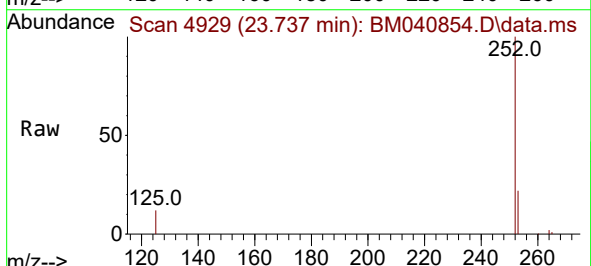
Tgt Ion:252 Resp: 835967

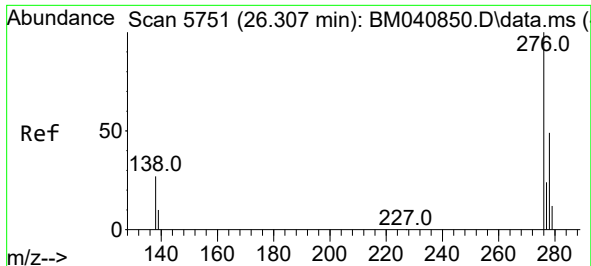
Ion Ratio Lower Upper

252 100

253 21.9 22.9 34.3#

125 12.4 21.0 31.4#

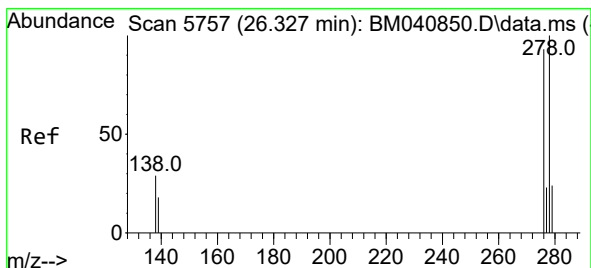
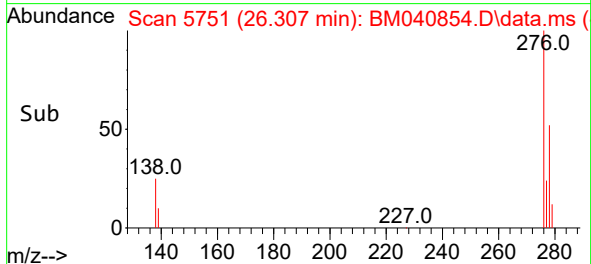
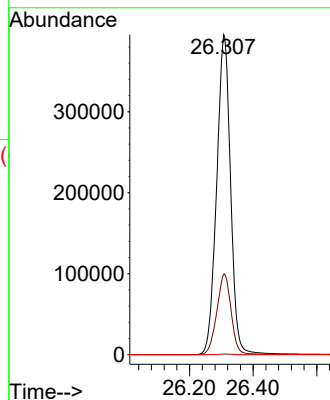
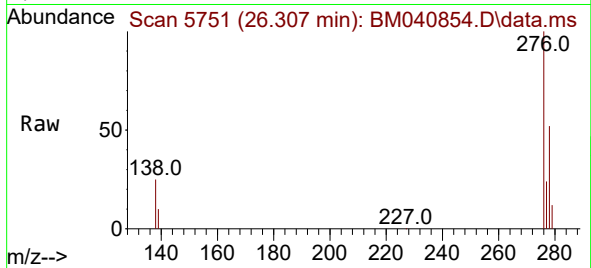




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 28.738 ng/ul
 RT: 26.307 min Scan# 5751
 Delta R.T. 0.000 min
 Lab File: BM040854.D
 Acq: 13 Jul 2023 17:59

Instrument :
 BNA_M
 ClientSampleId :
 A4663

Tgt Ion:276 Resp: 1200150
 Ion Ratio Lower Upper
 276 100
 138 26.0 24.5 36.7
 227 0.2 0.1 0.1#



#28
 Dibenzo(a,h)anthracene
 Concen: 23.085 ng/ul
 RT: 26.320 min Scan# 5755
 Delta R.T. -0.007 min
 Lab File: BM040854.D
 Acq: 13 Jul 2023 17:59

Tgt Ion:278 Resp: 754821
 Ion Ratio Lower Upper
 278 100
 139 17.3 17.9 26.9#
 279 23.7 22.0 33.0

