

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039517.D
 Acq On : 20 Apr 2023 04:53
 Operator : CG/JU
 Sample : 02296-15DL3 900X
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCBM0DL3

Quant Time: Apr 20 05:32:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
 Response via : Initial Calibration

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

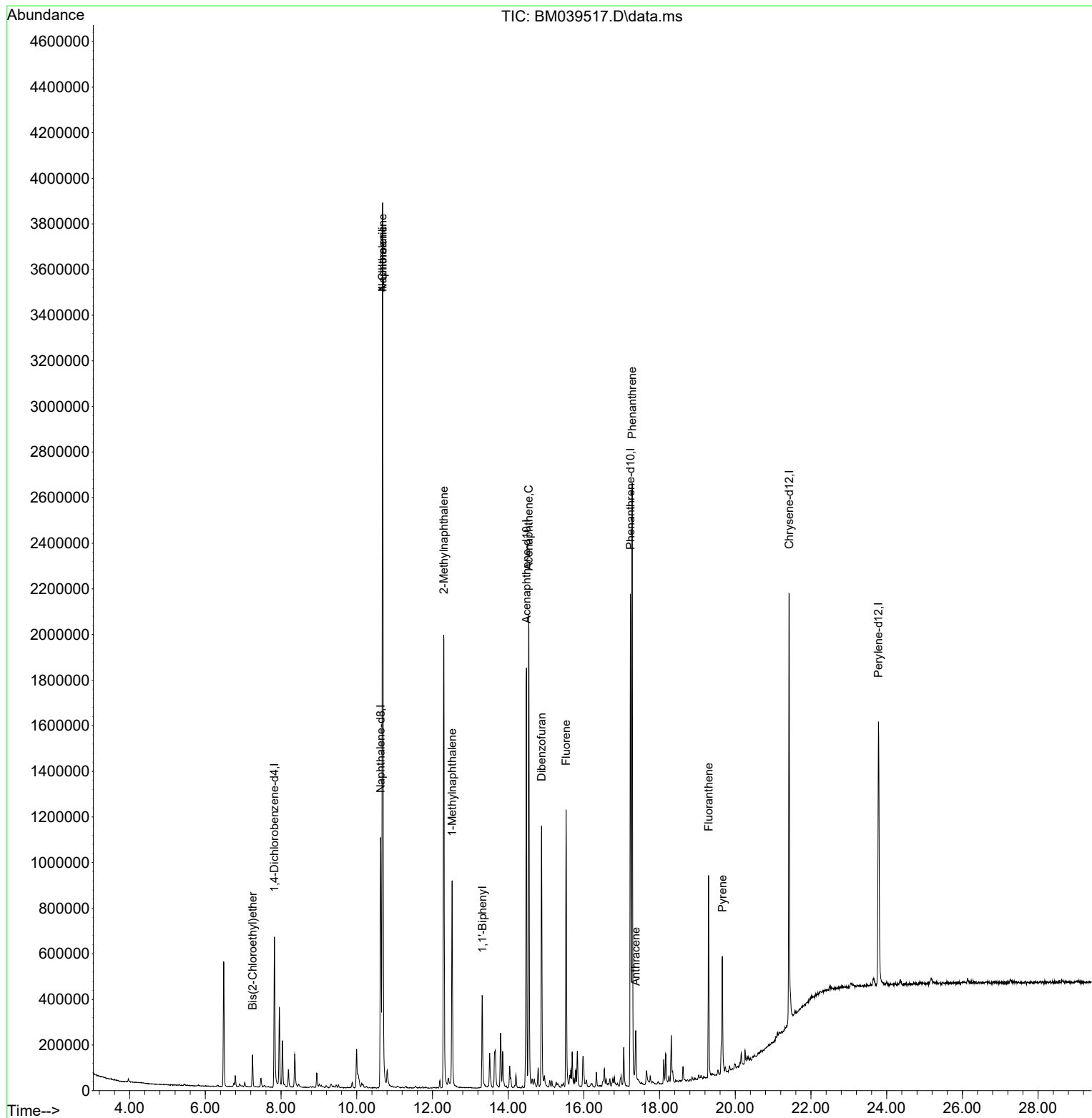
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	199734	20.000	ng/ul	0.00
20) Naphthalene-d8	10.631	136	950111	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.483	164	626079	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.230	188	1332789	20.000	ng/ul	0.00
79) Chrysene-d12	21.424	240	967631	20.000	ng/ul	0.00
88) Perylene-d12	23.783	264	915896	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.219	96	297	0.057	ng/uL	0.00
4) Pyridine-d5	3.643	84	618	0.042	ng/ul	0.00
7) Phenol-d5	0.000	99	0	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	7.201	67	144	0.012	ng/ul	0.04
11) 2-Chlorophenol-d4	0.000	132	0	0.000	ng/ul	
15) 4-Methylphenol-d8	8.401	113	68	0.005	ng/ul	-0.16
21) Nitrobenzene-d5	9.007	128	343	0.045	ng/ul	0.00
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0	0.000	ng/ul	
31) 4-Chloroaniline-d4	10.795	131	1044	0.047	ng/ul	0.00
46) Dimethylphthalate-d6	13.907	166	2023	0.040	ng/ul	0.00
49) Acenaphthylene-d8	14.177	160	1914	0.034	ng/ul	0.00
54) 4-Nitrophenol-d4	14.889	143	297	0.039	ng/ul	0.16
60) Fluorene-d10	15.477	176	2069	0.050	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.336	188	8180	0.128	ng/ul	0.00
81) Pyrene-d10	19.630	212	3258	0.051	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.636	264	1953	0.039	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.248	93	51106	3.221	ng/ul#	24
30) Naphthalene	10.683	128	3235585	61.550	ng/ul	100
32) 4-Chloroaniline	10.683	127	416864	19.180	ng/ul#	7
36) 2-Methylnaphthalene	12.301	142	1005449	28.531	ng/ul	99
37) 1-Methylnaphthalene	12.519	142	430596	12.159	ng/ul	99
43) 1,1'-Biphenyl	13.319	154	238204	4.923	ng/ul	98
52) Acenaphthene	14.542	153	839294	20.090	ng/ul	100
56) Dibenzofuran	14.883	168	749613	13.201	ng/ul	99
61) Fluorene	15.530	166	558223	11.884	ng/ul	99
72) Phenanthrene	17.277	178	1603091	21.665	ng/ul	100
74) Anthracene	17.371	178	163116	2.197	ng/ul	97
80) Fluoranthene	19.295	202	533010	7.072	ng/ul	97
82) Pyrene	19.659	202	346134	4.436	ng/ul	97

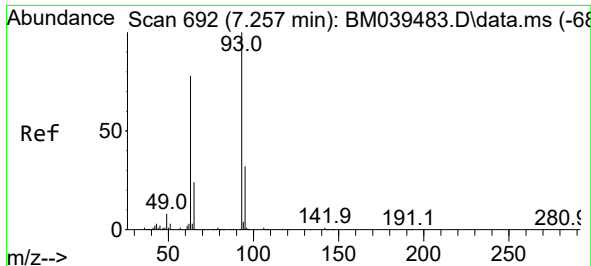
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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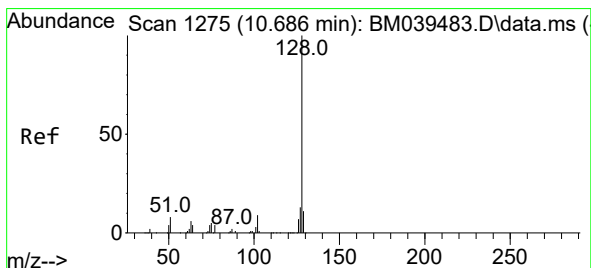
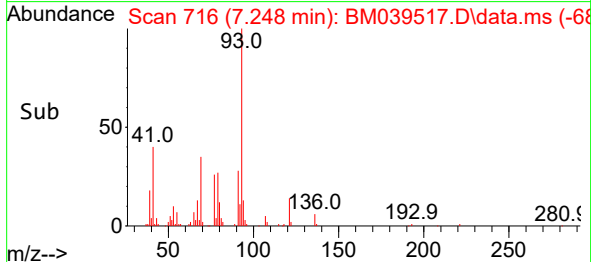
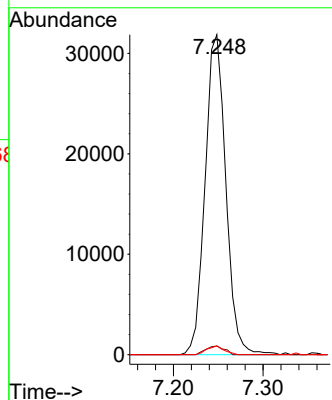
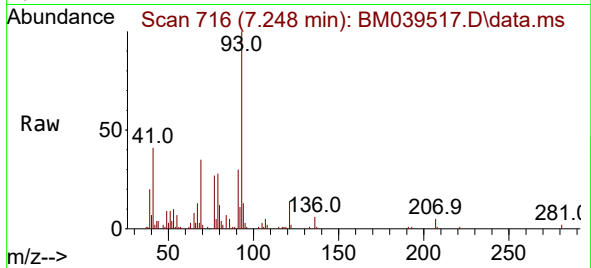




#10
Bis(2-Chloroethyl)ether
Concen: 3.221 ng/ul
RT: 7.248 min Scan# 716
Delta R.T. -0.009 min
Lab File: BM039517.D
Acq: 20 Apr 2023 04:53

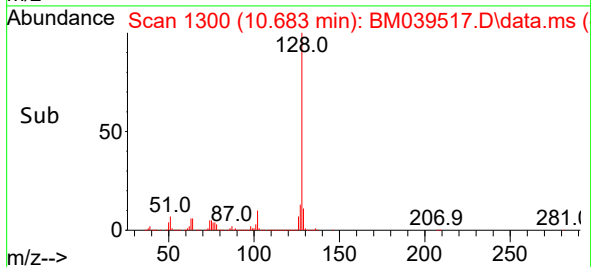
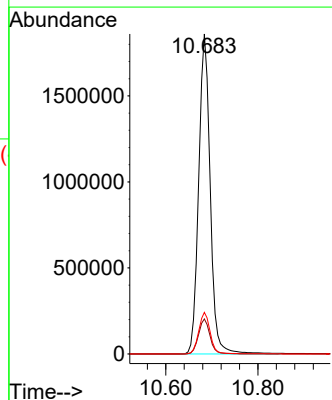
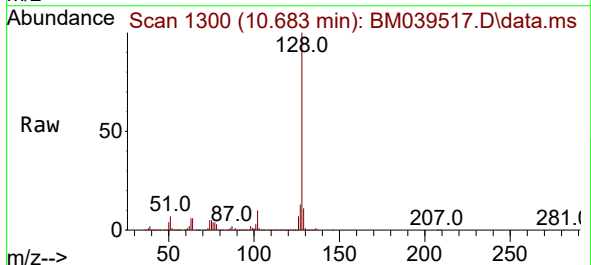
Instrument :
BNA_N
ClientSampleId :
DCBM0DL3

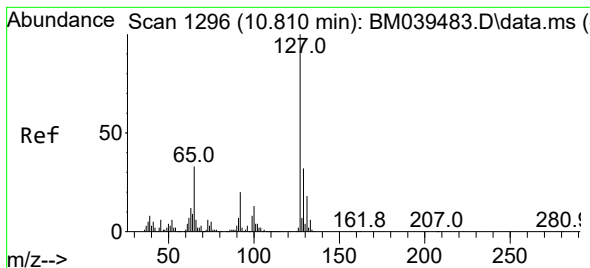
Tgt Ion: 93 Resp: 51106
Ion Ratio Lower Upper
93 100
63 2.7 61.9 92.9#
95 2.8 25.8 38.8#



#30
Naphthalene
Concen: 61.550 ng/ul
RT: 10.683 min Scan# 1300
Delta R.T. -0.003 min
Lab File: BM039517.D
Acq: 20 Apr 2023 04:53

Tgt Ion:128 Resp: 3235585
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.0 10.5 15.7

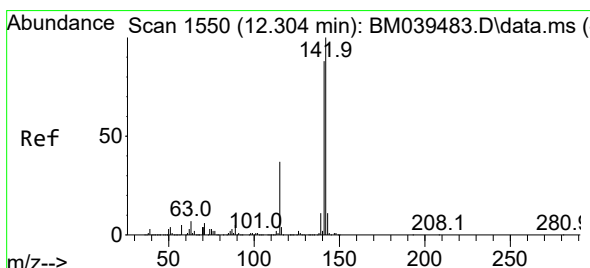
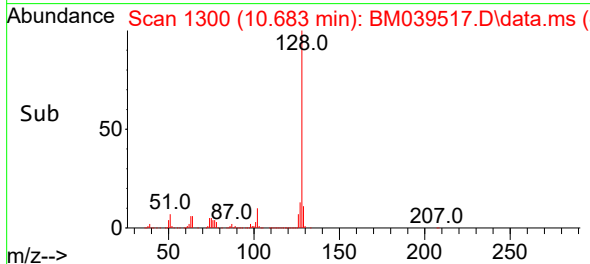
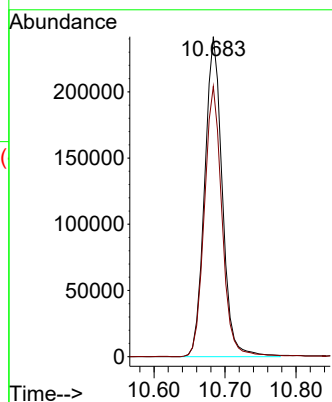
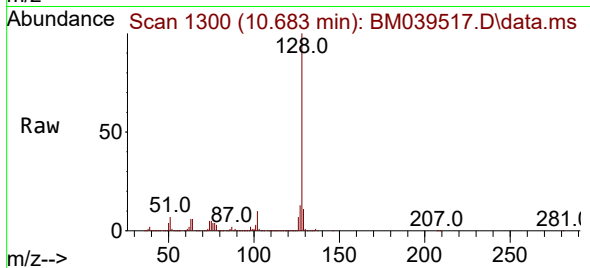




#32
4-Chloroaniline
Concen: 19.180 ng/ul
RT: 10.683 min Scan# 11
Delta R.T. -0.126 min
Lab File: BM039517.D
Acq: 20 Apr 2023 04:53

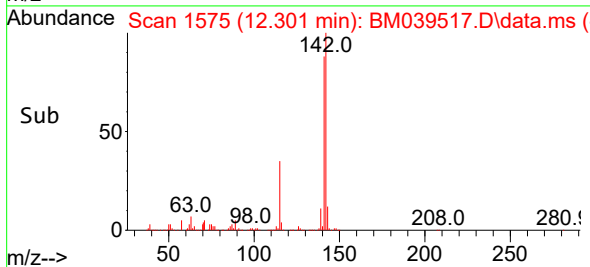
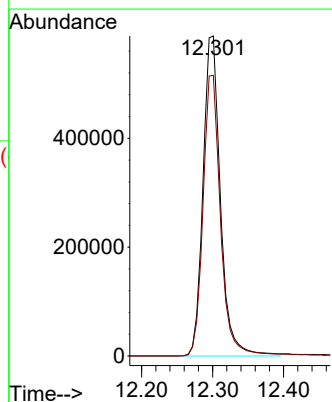
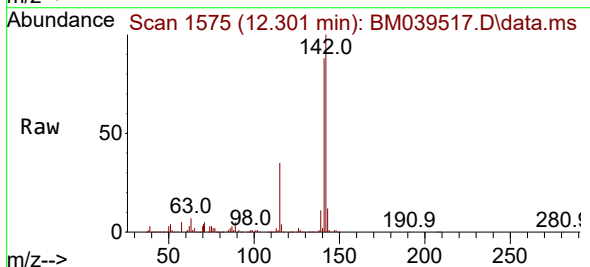
Instrument :
BNA_N
ClientSampleId :
DCBM0DL3

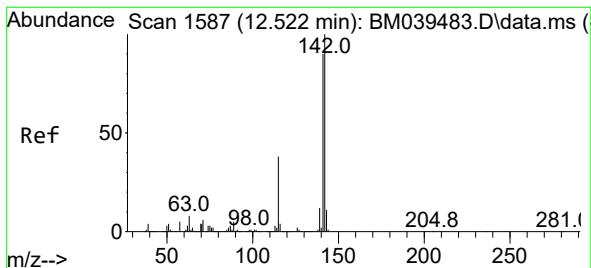
Tgt Ion:127 Resp: 416864
Ion Ratio Lower Upper
127 100
129 84.5 25.8 38.8#



#36
2-Methylnaphthalene
Concen: 28.531 ng/ul
RT: 12.301 min Scan# 1575
Delta R.T. -0.003 min
Lab File: BM039517.D
Acq: 20 Apr 2023 04:53

Tgt Ion:142 Resp: 1005449
Ion Ratio Lower Upper
142 100
141 87.7 71.1 106.7





#37

1-Methylnaphthalene

Concen: 12.159 ng/ul

RT: 12.519 min Scan# 1

Delta R.T. -0.003 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

Instrument :

BNA_N

ClientSampleId :

DCBM0DL3

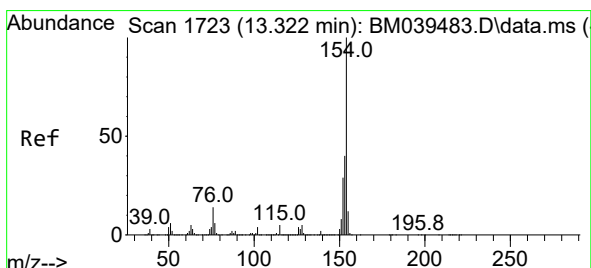
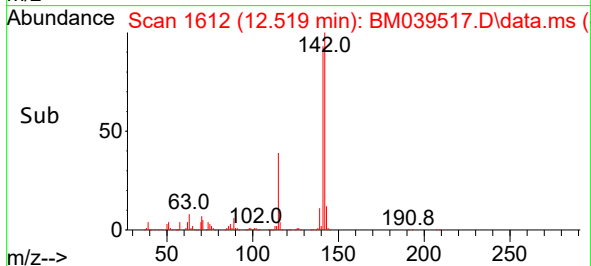
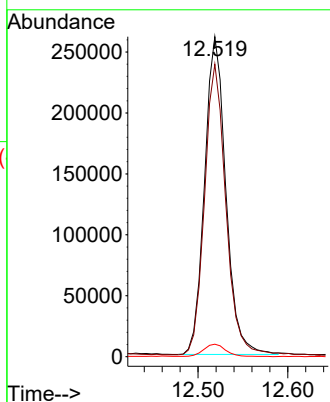
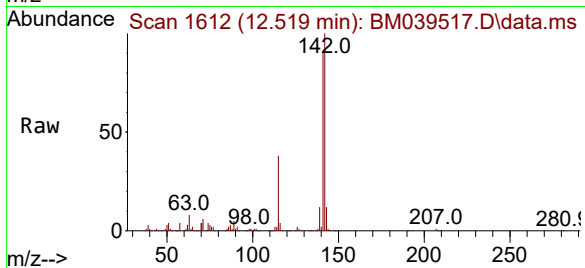
Tgt Ion:142 Resp: 430596

Ion Ratio Lower Upper

142 100

141 91.4 72.0 108.0

116 3.9 3.2 4.8



#43

1,1'-Biphenyl

Concen: 4.923 ng/ul

RT: 13.319 min Scan# 1748

Delta R.T. -0.003 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

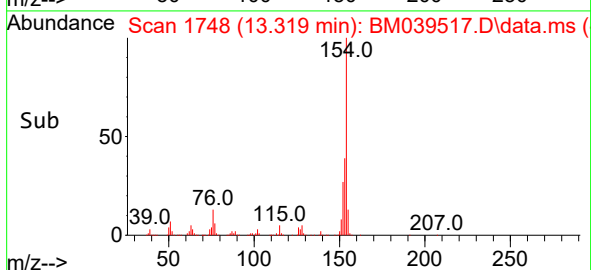
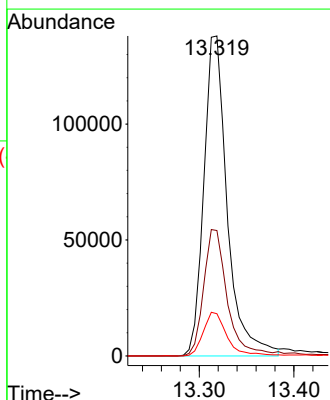
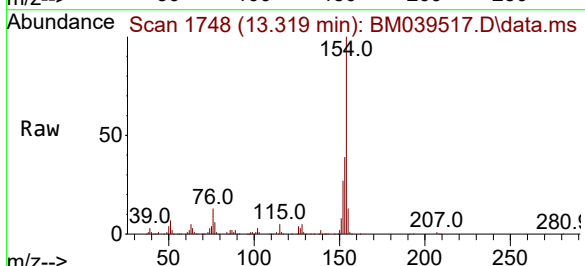
Tgt Ion:154 Resp: 238204

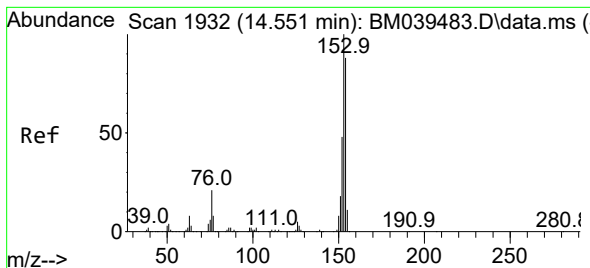
Ion Ratio Lower Upper

154 100

153 39.2 31.9 47.9

76 13.2 11.5 17.3





#52

Acenaphthene

Concen: 20.090 ng/ul

RT: 14.542 min Scan# 1932

Delta R.T. -0.009 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

Instrument :

BNA_N

ClientSampleId :

DCBM0DL3

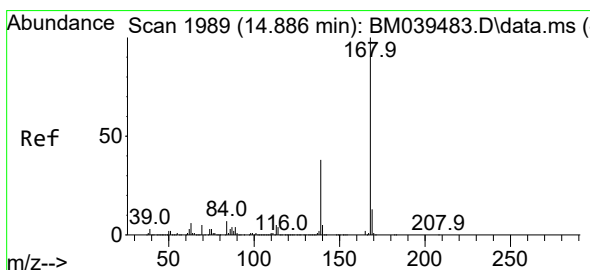
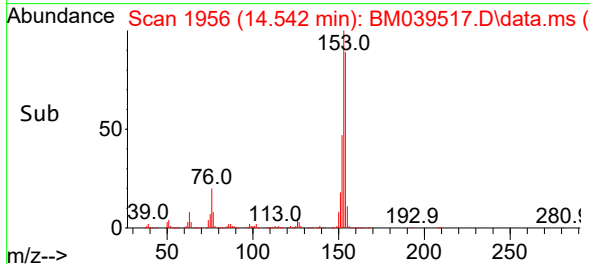
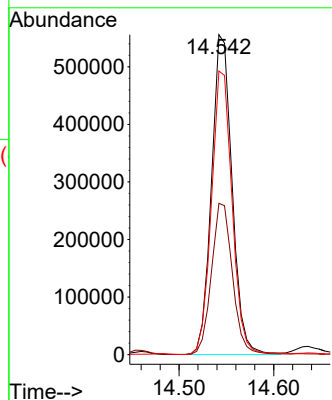
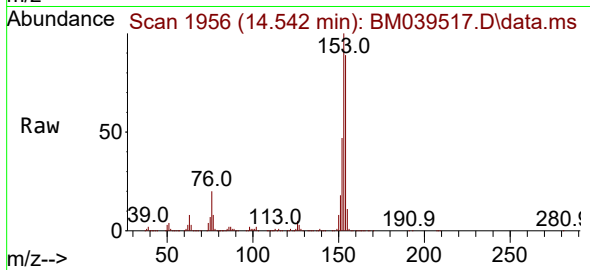
Tgt Ion:153 Resp: 839294

Ion Ratio Lower Upper

153 100

152 47.3 38.2 57.4

154 88.6 71.0 106.4



#56

Dibenzofuran

Concen: 13.201 ng/ul

RT: 14.883 min Scan# 2014

Delta R.T. -0.003 min

Lab File: BM039517.D

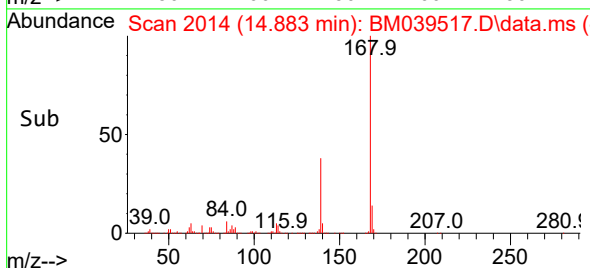
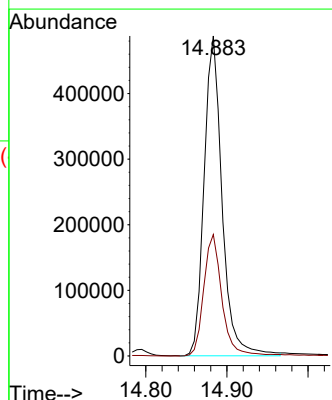
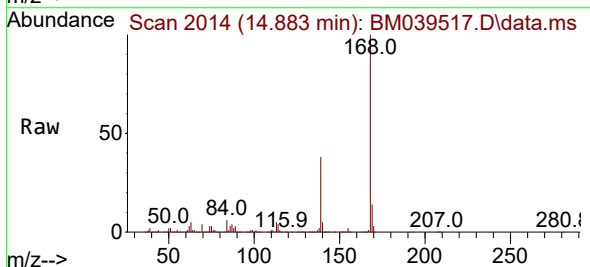
Acq: 20 Apr 2023 04:53

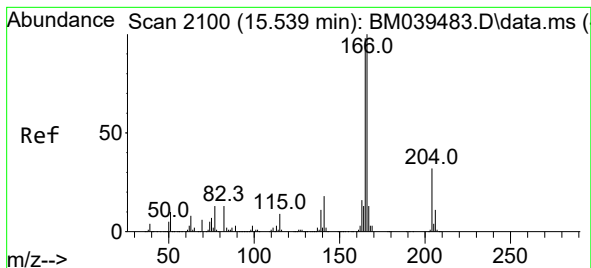
Tgt Ion:168 Resp: 749613

Ion Ratio Lower Upper

168 100

139 37.9 30.7 46.1





#61

Fluorene

Concen: 11.884 ng/ul

RT: 15.530 min Scan# 2100

Delta R.T. -0.009 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

Instrument :

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DCBM0DL3

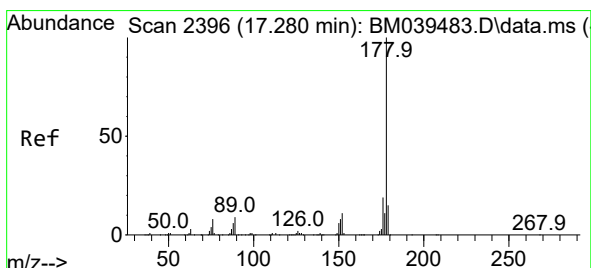
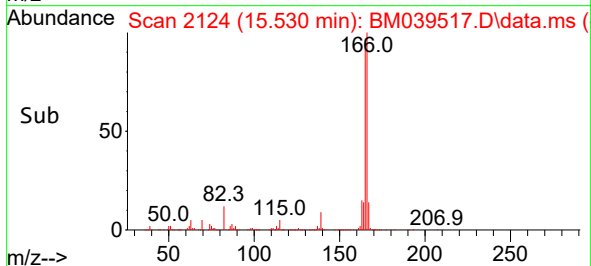
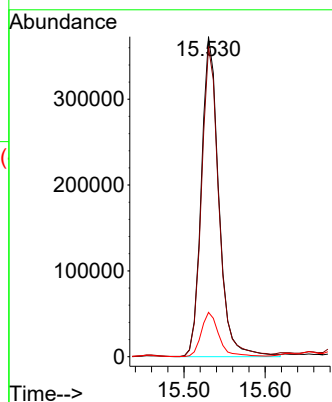
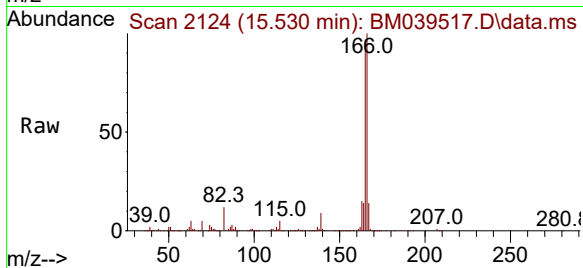
Tgt Ion:166 Resp: 558223

Ion Ratio Lower Upper

166 100

165 96.9 78.2 117.2

167 13.9 10.7 16.1



#72

Phenanthrene

Concen: 21.665 ng/ul

RT: 17.277 min Scan# 2421

Delta R.T. -0.003 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

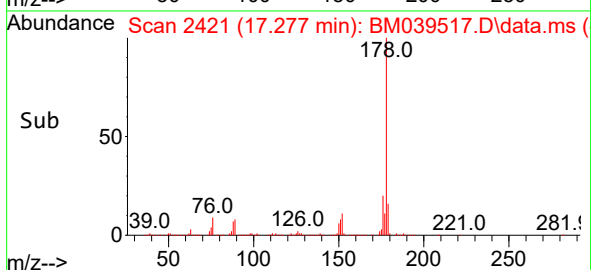
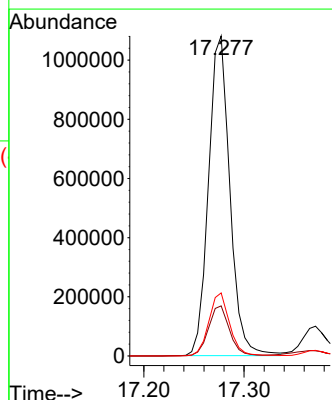
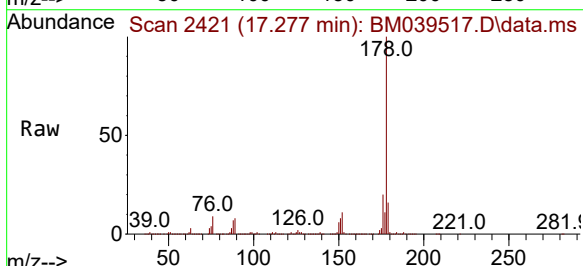
Tgt Ion:178 Resp: 1603091

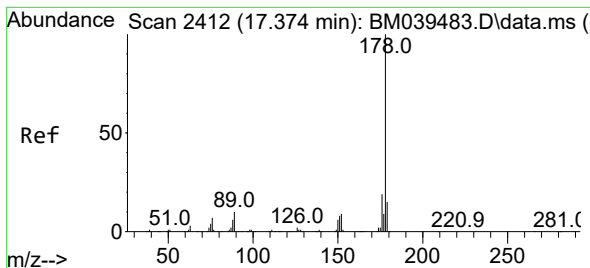
Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 19.7 15.8 23.8





#74

Anthracene

Concen: 2.197 ng/ul

RT: 17.371 min Scan# 2412

Delta R.T. -0.003 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

Instrument :

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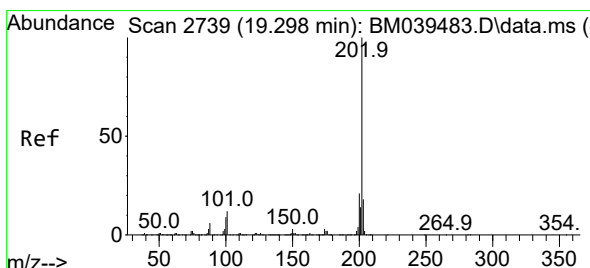
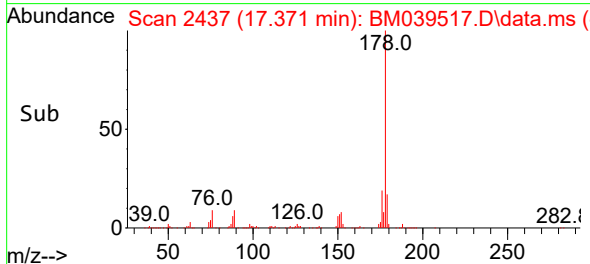
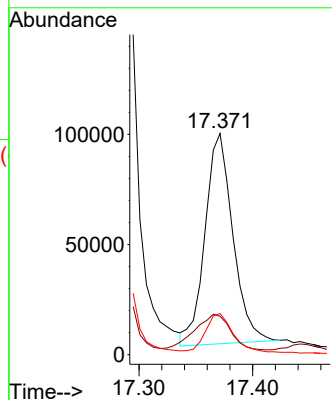
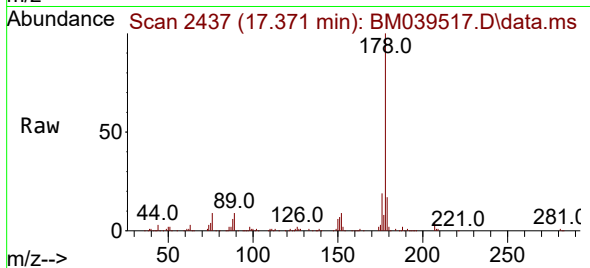
Tgt Ion:178 Resp: 163116

Ion Ratio Lower Upper

178 100

179 17.3 12.1 18.1

176 18.6 15.0 22.6



#80

Fluoranthene

Concen: 7.072 ng/ul

RT: 19.295 min Scan# 2764

Delta R.T. -0.003 min

Lab File: BM039517.D

Acq: 20 Apr 2023 04:53

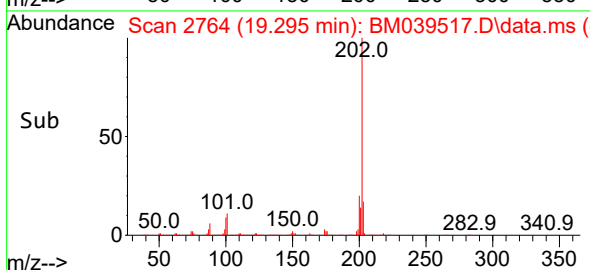
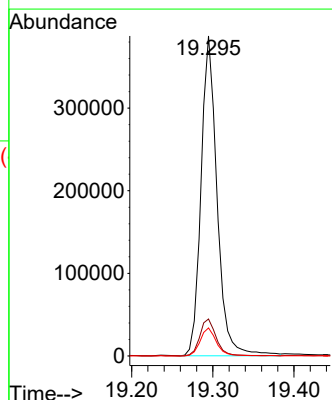
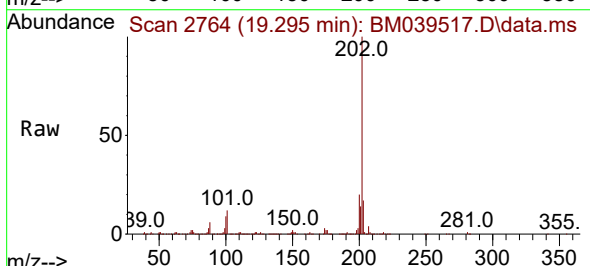
Tgt Ion:202 Resp: 533010

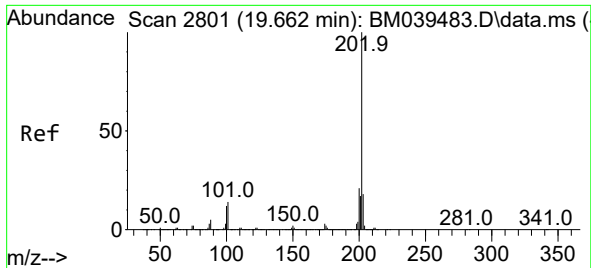
Ion Ratio Lower Upper

202 100

101 11.6 10.4 15.6

100 8.8 7.7 11.5





#82
 Pyrene
 Concen: 4.436 ng/ul
 RT: 19.659 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BM039517.D
 Acq: 20 Apr 2023 04:53

Instrument :
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Tgt Ion:202 Resp: 346134
 Ion Ratio Lower Upper
 202 100
 101 13.6 12.1 18.1
 100 11.2 9.6 14.4

