

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122022\
 Data File : BM038168.D
 Acq On : 21 Dec 2022 12:46
 Operator : CG/JU
 Sample : N6014-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 21 23:30:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 21 00:11:56 2022
 Response via : Initial Calibration

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

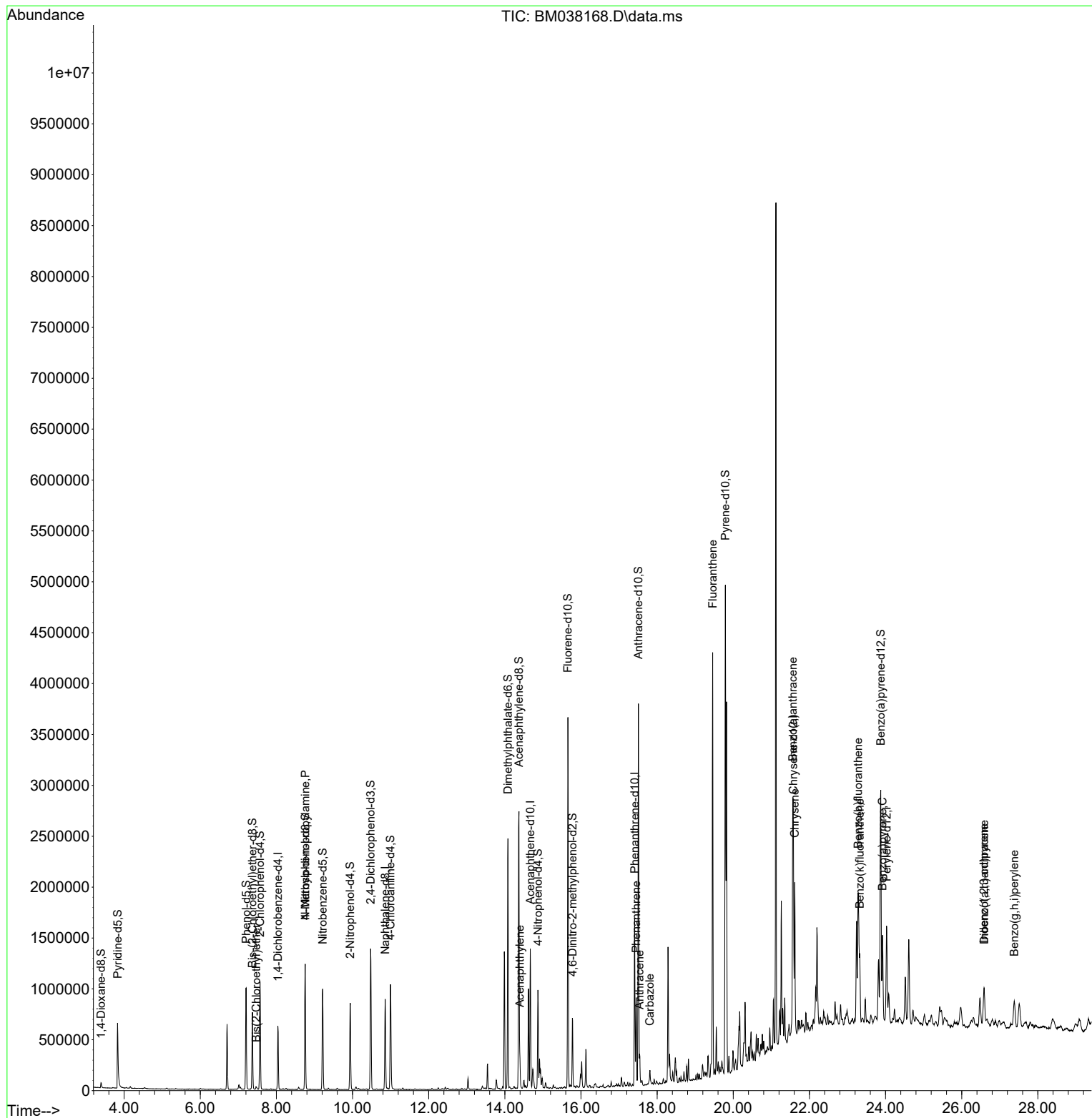
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.039	152	169057	20.000	ng/ul	0.00
20) Naphthalene-d8	10.857	136	712246	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.668	164	445273	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.409	188	957924	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.580	240	730920	20.000	ng/ul	0.00
88) Perylene-d12	24.027	264	691639	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	25311	6.798	ng/uL	0.00
4) Pyridine-d5	3.828	84	349159	31.612	ng/ul	0.00
7) Phenol-d5	7.204	99	548195	39.904	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.369	67	312505	37.358	ng/ul	0.00
11) 2-Chlorophenol-d4	7.569	132	483798	42.930	ng/ul	0.00
15) 4-Methylphenol-d8	8.757	113	448373	41.812	ng/ul	0.00
21) Nitrobenzene-d5	9.216	128	245525	43.539	ng/ul	0.00
24) 2-Nitrophenol-d4	9.939	143	281945	47.709	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.475	165	514789	45.861	ng/ul	0.00
31) 4-Chloroaniline-d4	10.998	131	564574	36.437	ng/ul	0.00
46) Dimethylphthalate-d6	14.080	166	1485229	46.786	ng/ul	0.00
49) Acenaphthylene-d8	14.368	160	1763455	45.452	ng/ul	0.00
54) 4-Nitrophenol-d4	14.868	143	237949	43.982	ng/ul	0.00
60) Fluorene-d10	15.657	176	1340191	47.386	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	148068	28.911	ng/ul	0.00
73) Anthracene-d10	17.509	188	2071873	46.343	ng/ul	0.00
81) Pyrene-d10	19.792	212	2278047	51.884	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.874	264	1582270	45.802	ng/ul	0.00
Target Compounds					Qvalue	
10) Bis(2-Chloroethyl)ether	7.469	93	12017	1.062	ng/ul#	21
17) N-Nitroso-di-n-propyla...	8.757	70	11340	1.427	ng/ul#	1
50) Acenaphthylene	14.392	152	214259	5.022	ng/ul	100
72) Phenanthrene	17.451	178	512357	9.794	ng/ul	99
74) Anthracene	17.539	178	187206	3.521	ng/ul	99
77) Carbazole	17.809	167	87899	1.908	ng/ul	99
80) Fluoranthene	19.456	202	2360862	45.561	ng/ul	95
85) Benzo(a)anthracene	21.562	228	979684	19.909	ng/ul	97
87) Chrysene	21.615	228	880740	19.076	ng/ul	98
90) Benzo(b)fluoranthene	23.280	252	1094164	25.518	ng/ul	100
91) Benzo(k)fluoranthene	23.321	252	372823	8.972	ng/ul	98
93) Benzo(a)pyrene	23.921	252	605699	16.064	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.585	276	404353	8.327	ng/ul	95
95) Dibenzo(a,h)anthracene	26.591	278	109451	2.674	ng/ul#	82
96) Benzo(g,h,i)perylene	27.379	276	359359	9.268	ng/ul	98

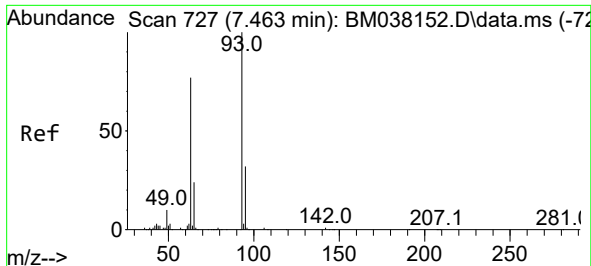
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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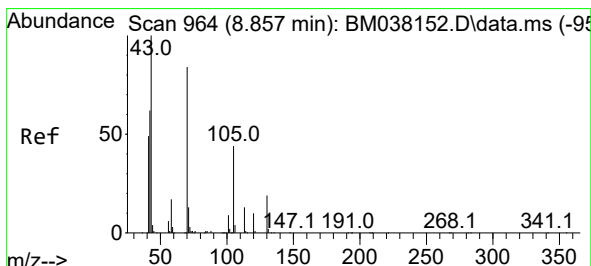
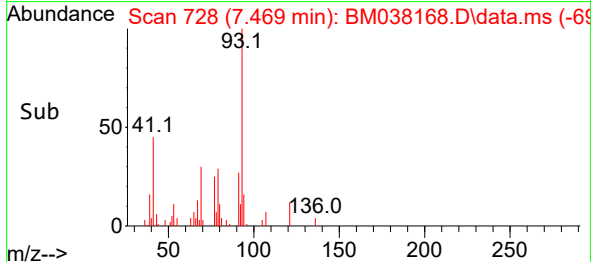
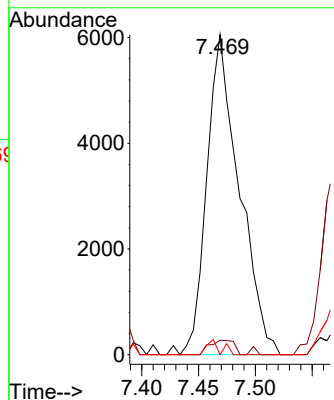
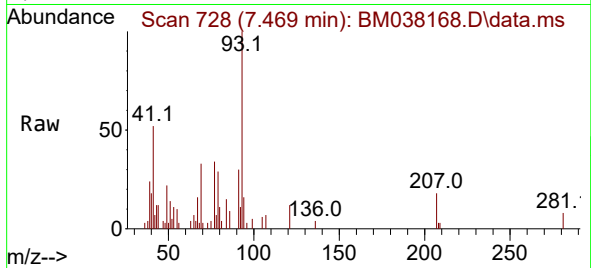




#10
 Bis(2-Chloroethyl)ether
 Concen: 1.062 ng/ul
 RT: 7.469 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: BM038168.D
 Acq: 21 Dec 2022 12:46

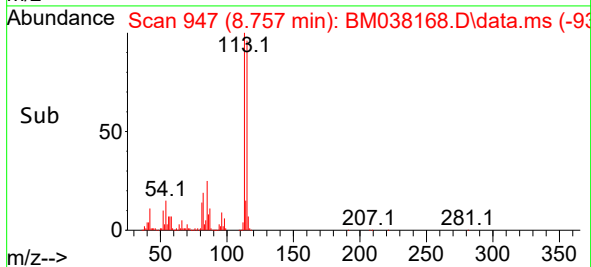
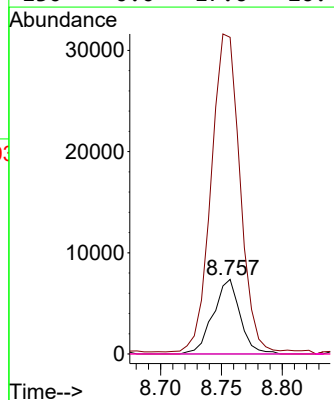
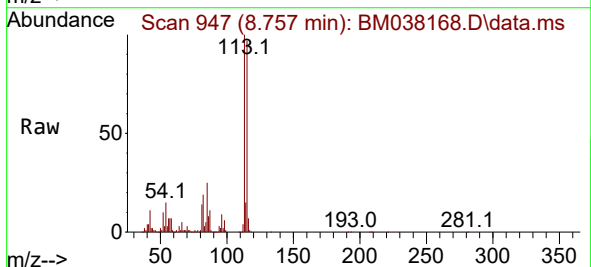
Instrument :
 BNA_M
 ClientSampleId :

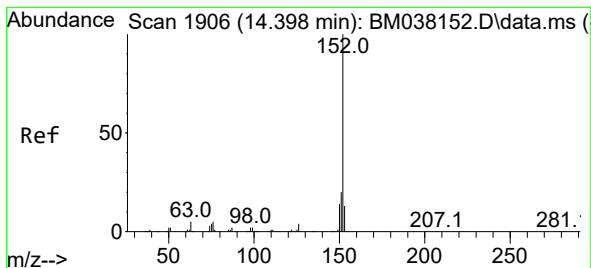
Tgt Ion: 93 Resp: 12017
 Ion Ratio Lower Upper
 93 100
 63 4.5 66.3 99.5#
 95 0.0 25.7 38.5#



#17
 N-Nitroso-di-n-propylamine
 Concen: 1.427 ng/ul
 RT: 8.757 min Scan# 947
 Delta R.T. -0.100 min
 Lab File: BM038168.D
 Acq: 21 Dec 2022 12:46

Tgt Ion: 70 Resp: 11340
 Ion Ratio Lower Upper
 70 100
 42 425.1 62.3 93.5#
 101 0.0 8.0 12.0#
 130 0.0 17.6 26.4#





#50

Acenaphthylene

Concen: 5.022 ng/ul

RT: 14.392 min Scan# 1905

Delta R.T. -0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :

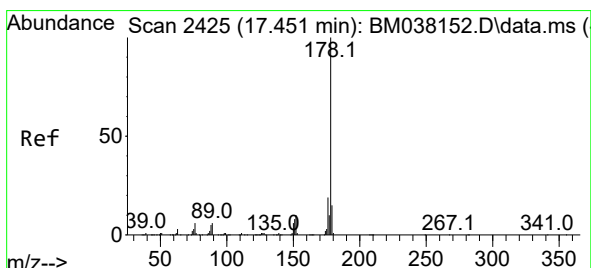
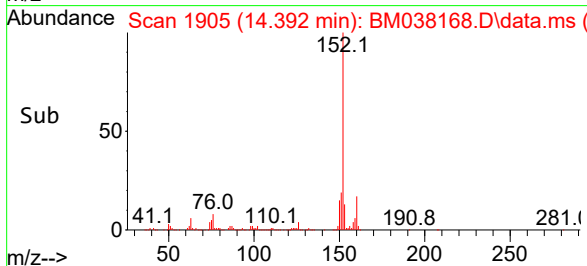
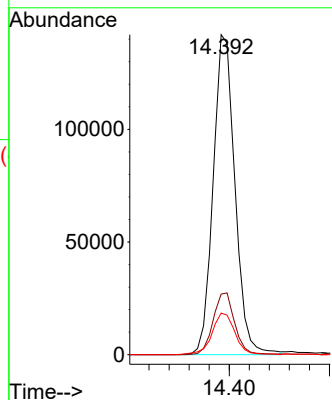
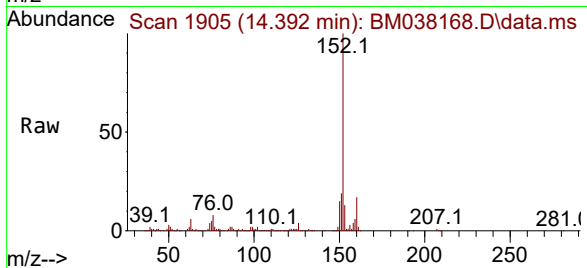
Tgt Ion:152 Resp: 214259

Ion Ratio Lower Upper

152 100

151 18.9 15.3 22.9

153 13.0 10.2 15.4



#72

Phenanthrene

Concen: 9.794 ng/ul

RT: 17.451 min Scan# 2425

Delta R.T. -0.000 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

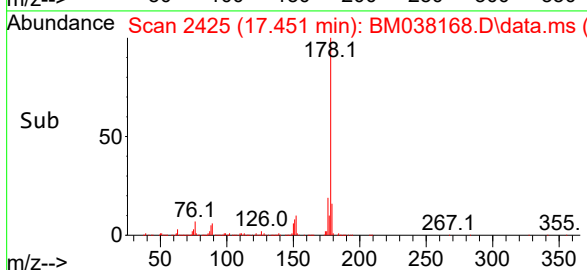
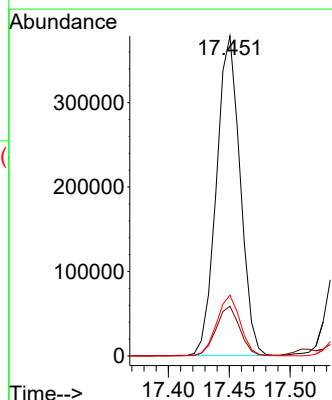
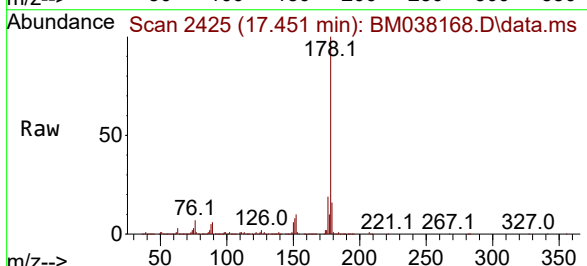
Tgt Ion:178 Resp: 512357

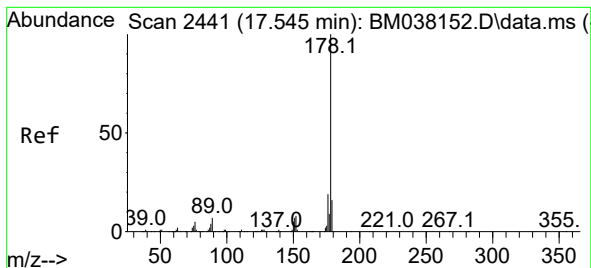
Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 19.0 15.4 23.0





#74

Anthracene

Concen: 3.521 ng/ul

RT: 17.539 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :

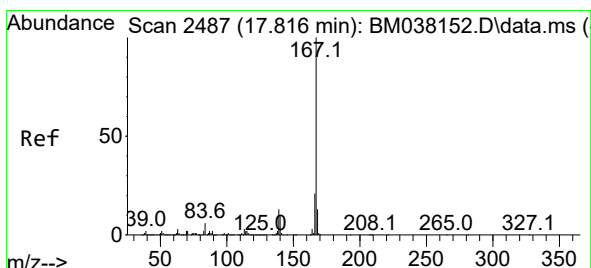
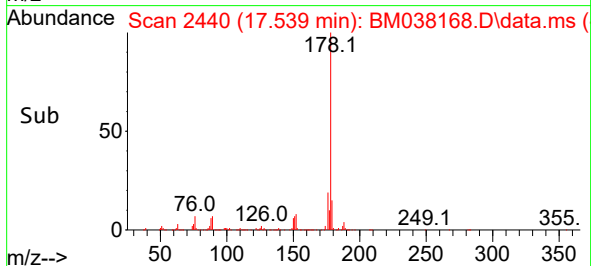
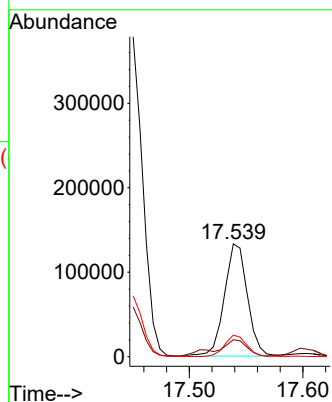
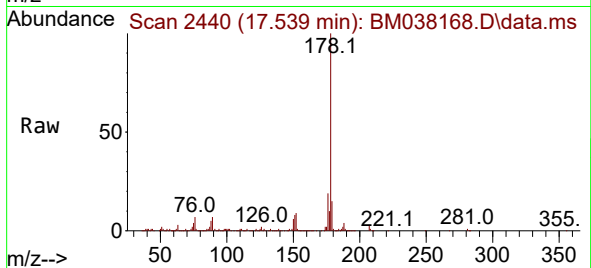
Tgt Ion:178 Resp: 187206

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

176 19.2 15.0 22.6



#77

Carbazole

Concen: 1.908 ng/ul

RT: 17.809 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

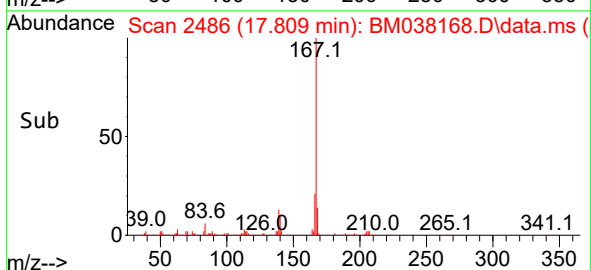
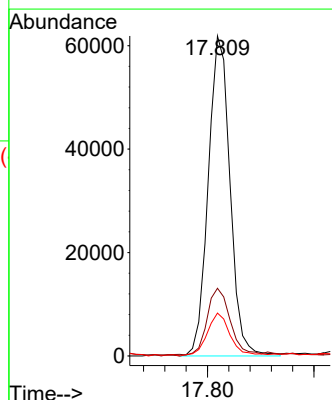
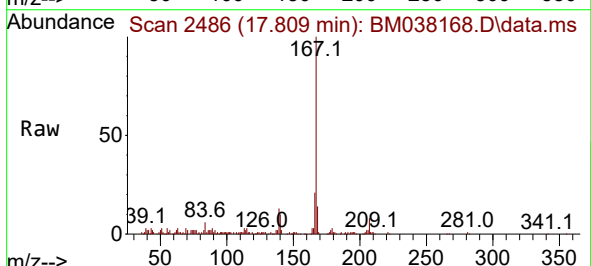
Tgt Ion:167 Resp: 87899

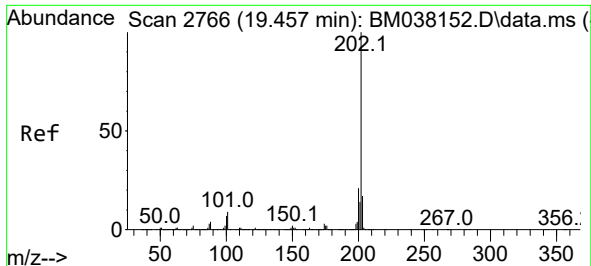
Ion Ratio Lower Upper

167 100

166 21.1 16.7 25.1

139 13.4 9.8 14.6

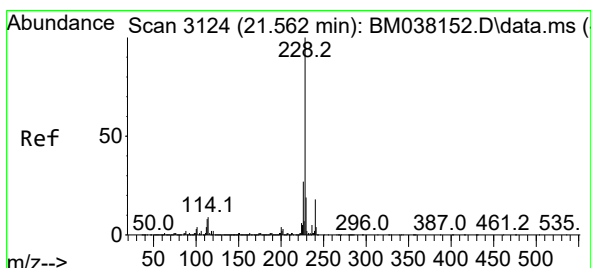
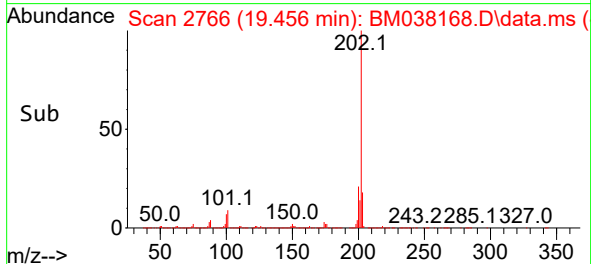
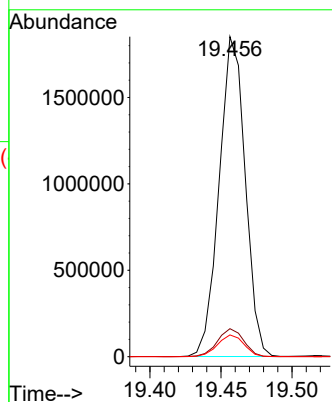
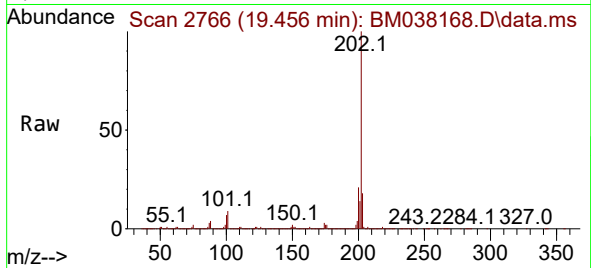




#80
Fluoranthene
Concen: 45.561 ng/ul
RT: 19.456 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038168.D
Acq: 21 Dec 2022 12:46

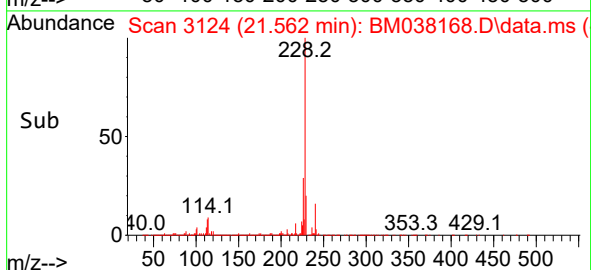
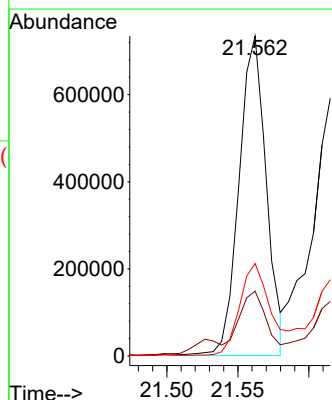
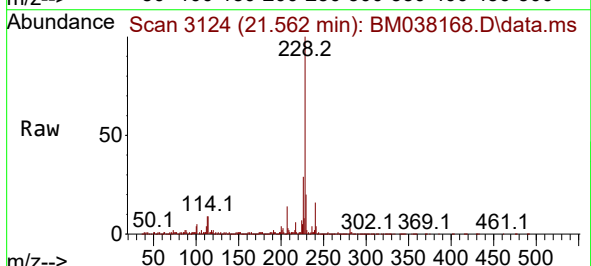
Instrument :
BNA_M
ClientSampleId :

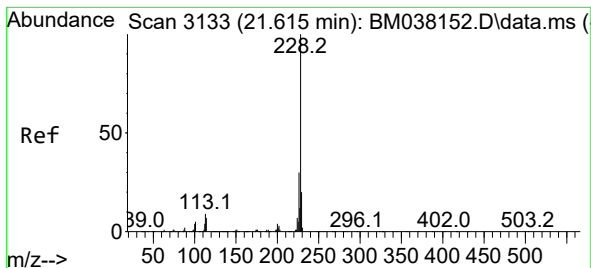
Tgt Ion:202 Resp: 2360862
Ion Ratio Lower Upper
202 100
101 8.8 8.6 13.0
100 6.8 6.6 10.0



#85
Benzo(a)anthracene
Concen: 19.909 ng/ul
RT: 21.562 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BM038168.D
Acq: 21 Dec 2022 12:46

Tgt Ion:228 Resp: 979684
Ion Ratio Lower Upper
228 100
229 20.3 15.5 23.3
226 28.9 21.8 32.8





#87

Chrysene

Concen: 19.076 ng/ul

RT: 21.615 min Scan# 3133

Delta R.T. -0.000 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :

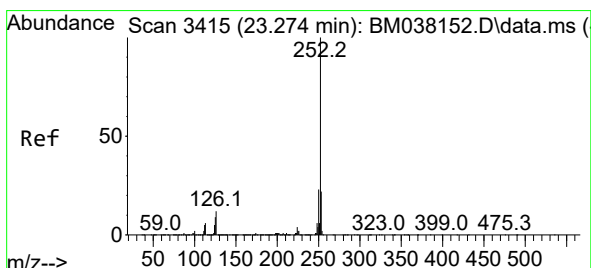
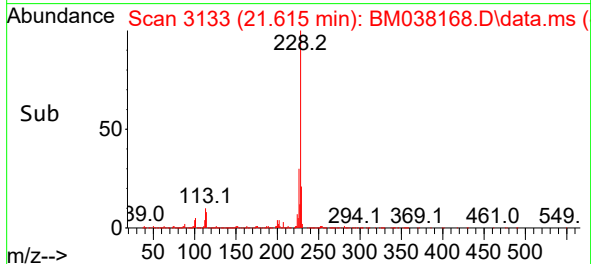
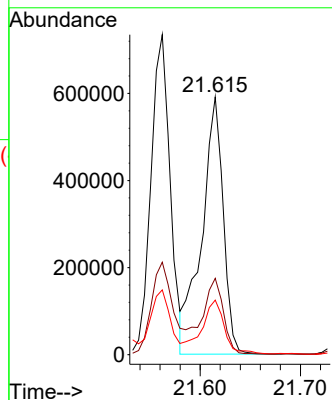
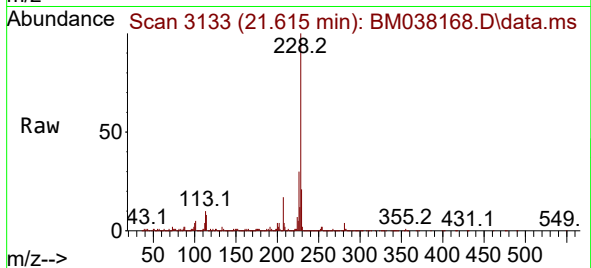
Tgt Ion:228 Resp: 880740

Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 21.1 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 25.518 ng/ul

RT: 23.280 min Scan# 3416

Delta R.T. 0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

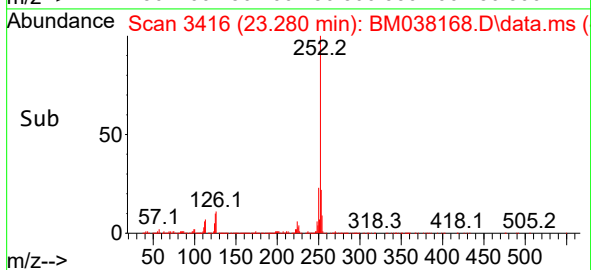
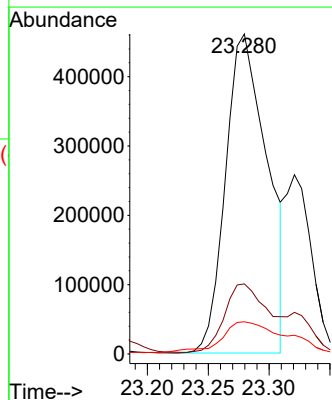
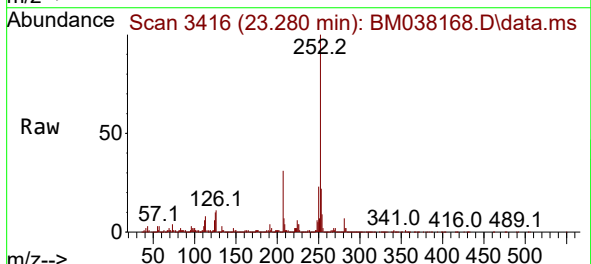
Tgt Ion:252 Resp: 1094164

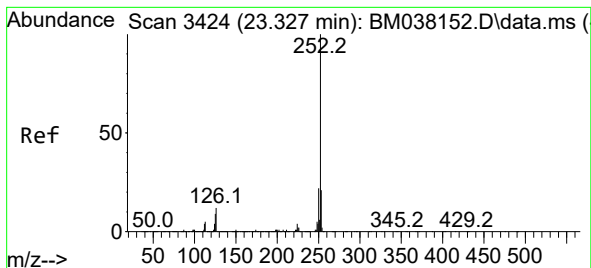
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.1 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 8.972 ng/ul

RT: 23.321 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :

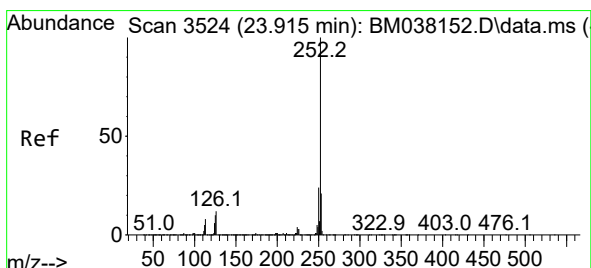
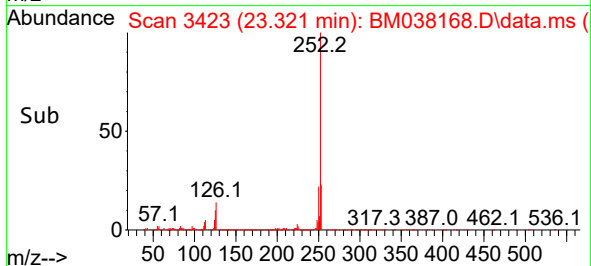
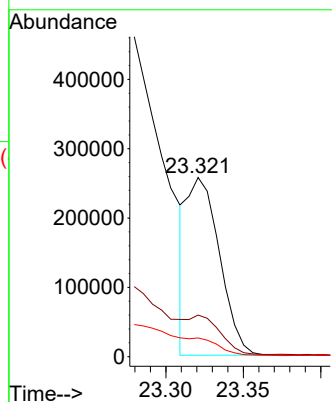
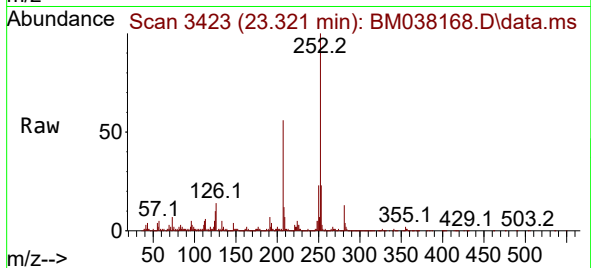
Tgt Ion:252 Resp: 372823

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.5 8.1 12.1



#93

Benzo(a)pyrene

Concen: 16.064 ng/ul

RT: 23.921 min Scan# 3525

Delta R.T. -0.000 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

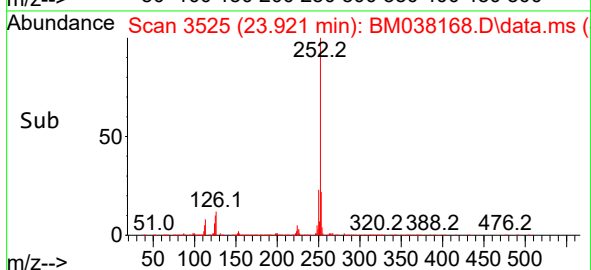
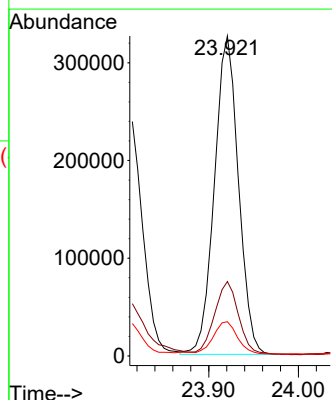
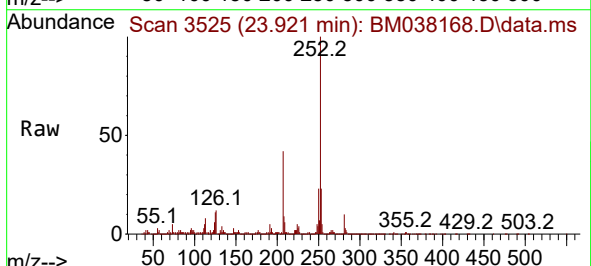
Tgt Ion:252 Resp: 605699

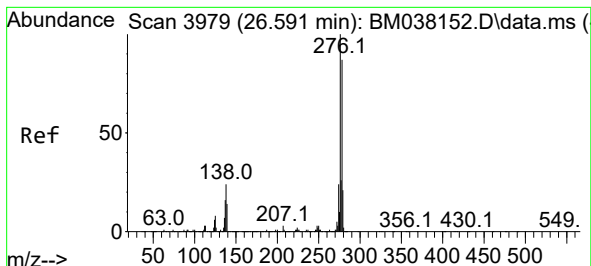
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.7 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.327 ng/ul

RT: 26.585 min Scan# 3978

Delta R.T. -0.006 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :

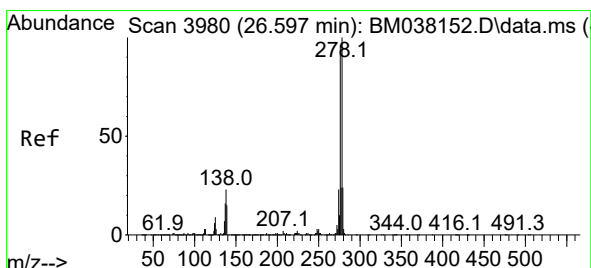
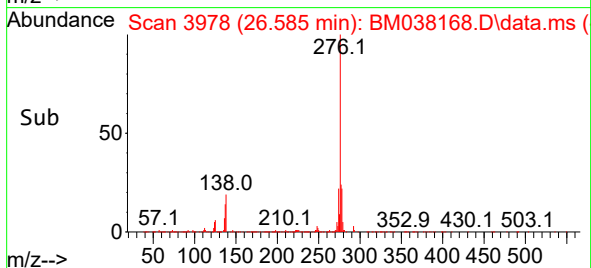
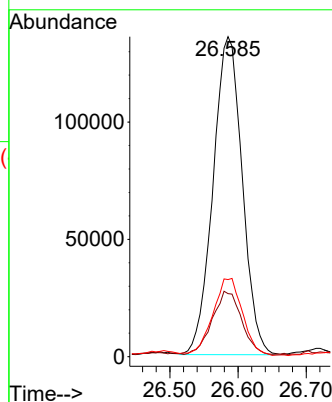
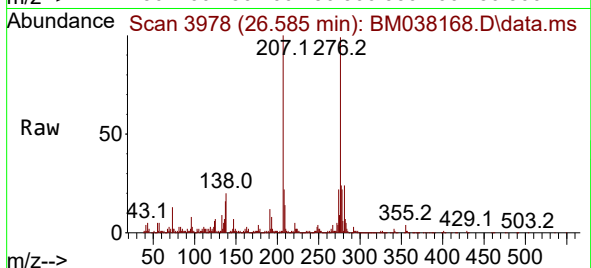
Tgt Ion:276 Resp: 404353

Ion Ratio Lower Upper

276 100

138 19.7 19.3 28.9

277 24.1 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 2.674 ng/ul

RT: 26.591 min Scan# 3979

Delta R.T. -0.012 min

Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

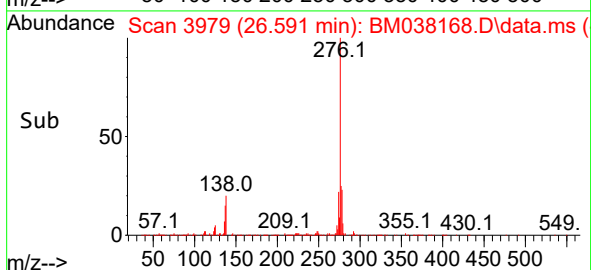
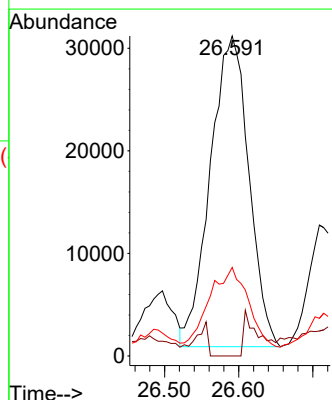
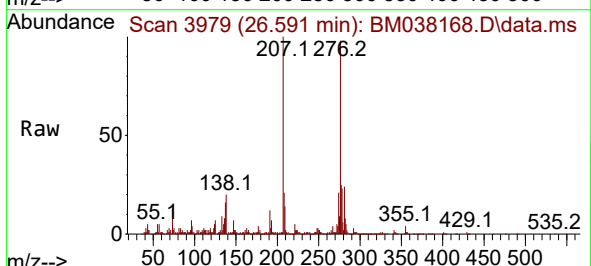
Tgt Ion:278 Resp: 109451

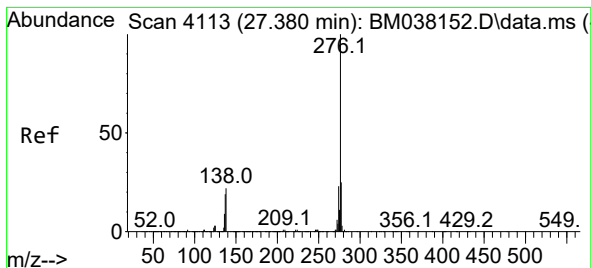
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 27.7 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 9.268 ng/ul

RT: 27.379 min Scan# 41

Delta R.T. -0.012 min

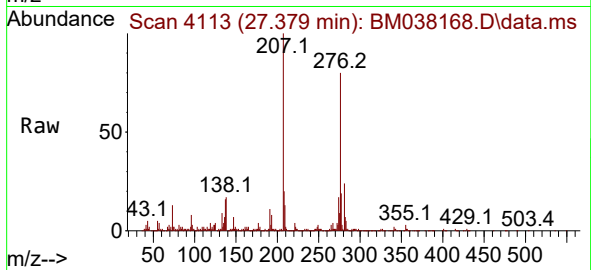
Lab File: BM038168.D

Acq: 21 Dec 2022 12:46

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 359359

Ion Ratio Lower Upper

276 100

138 20.9 17.1 25.7

277 23.8 18.2 27.4

