

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037910.D
 Acq On : 09 Dec 2022 10:59
 Operator : CG/JU
 Sample : N5832-16DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL1DL

Quant Time: Dec 09 21:46:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

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

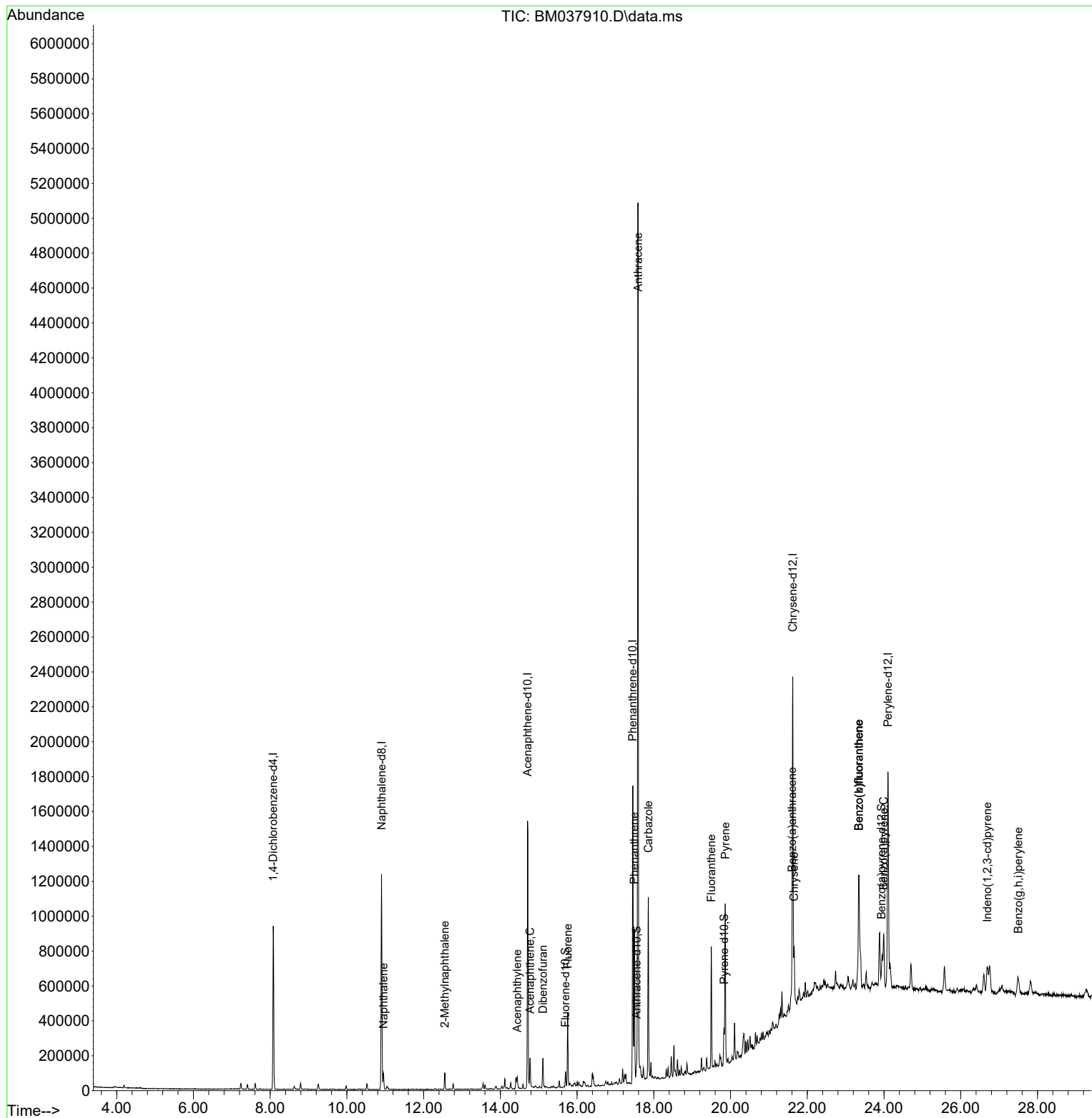
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	251734	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	992996	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	536922	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	1039727	20.000	ng/u1	0.00
79) Chrysene-d12	21.621	240	891818	20.000	ng/u1	0.00
88) Perylene-d12	24.103	264	999996	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	1144	0.206	ng/uL	0.00
4) Pyridine-d5	3.863	84	638	0.039	ng/u1	0.00
7) Phenol-d5	7.234	99	17425	0.852	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	12089	0.971	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	15214	0.907	ng/u1	0.00
15) 4-Methylphenol-d8	8.792	113	13325	0.834	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	7315	0.930	ng/u1	0.00
24) 2-Nitrophenol-d4	9.980	143	6230	0.756	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	12225	0.781	ng/u1	0.00
31) 4-Chloroaniline-d4	11.051	131	9783	0.453	ng/u1	0.01
46) Dimethylphthalate-d6	14.115	166	37239	0.973	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	43523	0.930	ng/u1	0.00
54) 4-Nitrophenol-d4	14.915	143	2319	0.355	ng/u1	0.01
60) Fluorene-d10	15.698	176	36222	1.062	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	2043	0.368	ng/u1	0.00
73) Anthracene-d10	17.551	188	63627	1.311	ng/u1	0.00
81) Pyrene-d10	19.833	212	61253	1.143	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.938	264	61334	1.228	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	71108	1.327	ng/u1	99
36) 2-Methylnaphthalene	12.551	142	43901	1.263	ng/u1	98
50) Acenaphthylene	14.439	152	57312	1.114	ng/u1	98
52) Acenaphthene	14.774	153	64168	1.803	ng/u1	98
56) Dibenzofuran	15.110	168	116957	2.408	ng/u1	98
61) Fluorene	15.757	166	199403	5.033	ng/u1	97
72) Phenanthrene	17.492	178	527267	9.286	ng/u1	99
74) Anthracene	17.586	178	3199182	55.443	ng/u1	98
77) Carbazole	17.856	167	674174	13.486	ng/u1	99
80) Fluoranthene	19.497	202	413211	6.536	ng/u1	98
82) Pyrene	19.862	202	574185	8.726	ng/u1	97
85) Benzo(a)anthracene	21.603	228	134240	2.236	ng/u1	96
87) Chrysene	21.656	228	163389	2.900	ng/u1	98
90) Benzo(b)fluoranthene	23.344	252	721916	11.645	ng/u1	98
91) Benzo(k)fluoranthene	23.344	252	721916	12.015	ng/u1	98
93) Benzo(a)pyrene	23.991	252	243398	4.465	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	26.691	276	175686	2.502	ng/u1	93
96) Benzo(g,h,i)perylene	27.497	276	129321	2.307	ng/u1	94

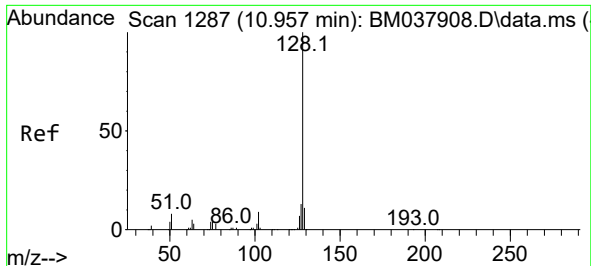
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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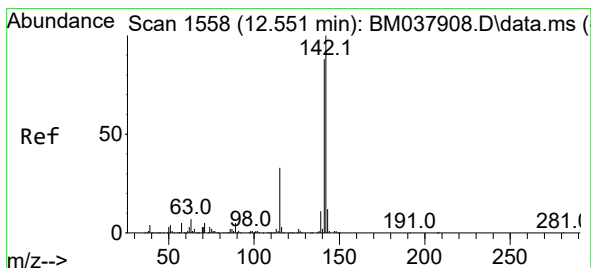
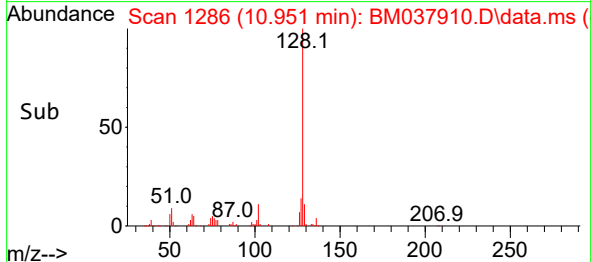
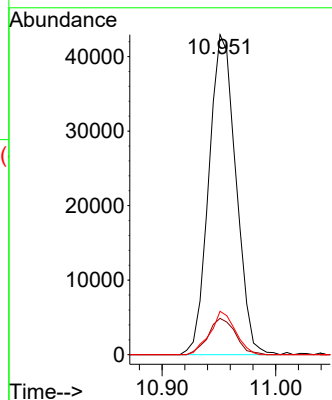
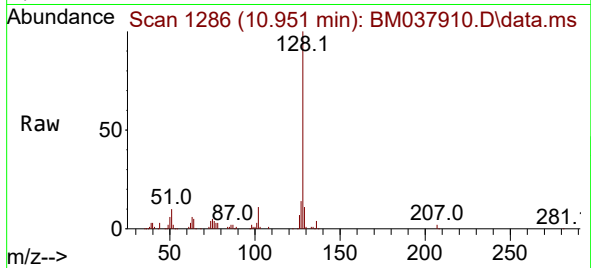




#30
Naphthalene
Concen: 1.327 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

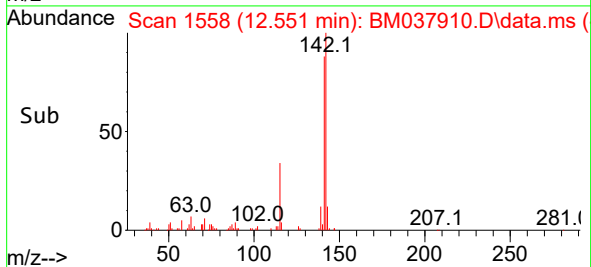
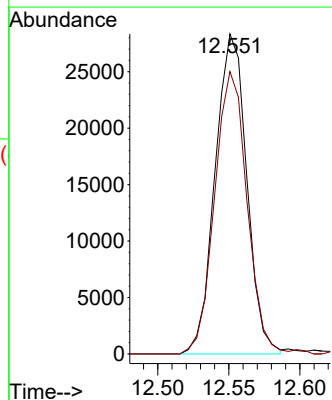
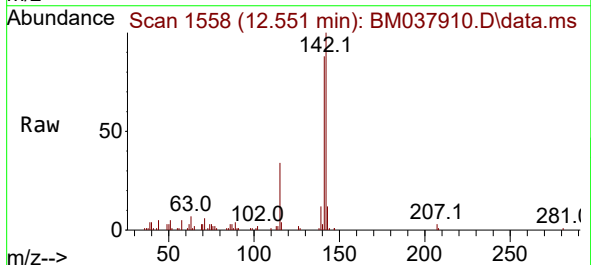
Instrument :
BNA_M
ClientSampleId :
DBXL1DL

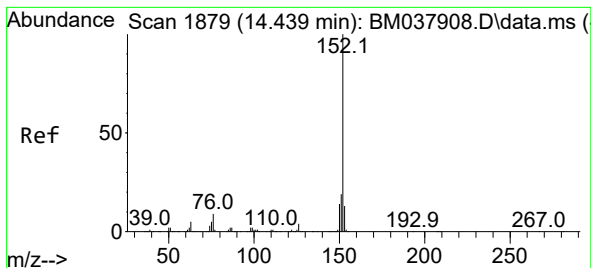
Tgt Ion:128 Resp: 71108
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.5 10.4 15.6



#36
2-Methylnaphthalene
Concen: 1.263 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

Tgt Ion:142 Resp: 43901
Ion Ratio Lower Upper
142 100
141 88.3 69.4 104.0

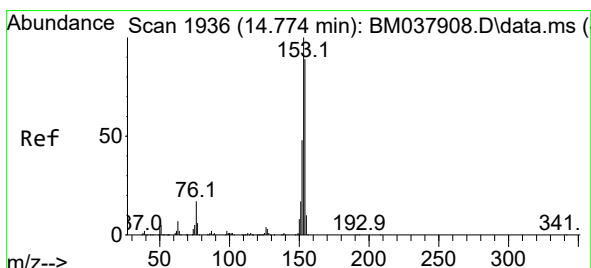
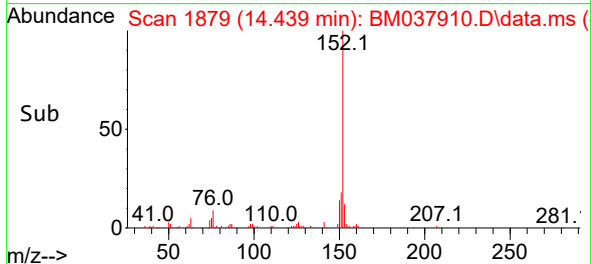
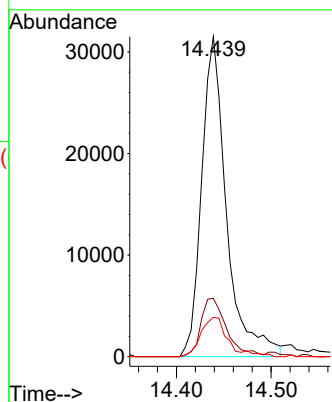
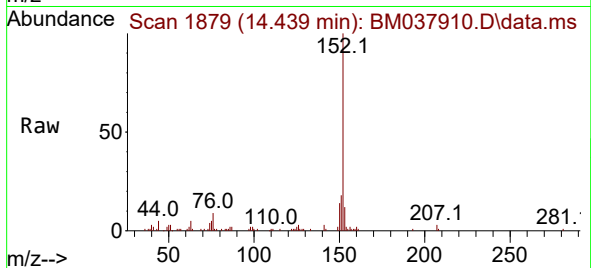




#50
Acenaphthylene
Concen: 1.114 ng/ul
RT: 14.439 min Scan# 1879
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

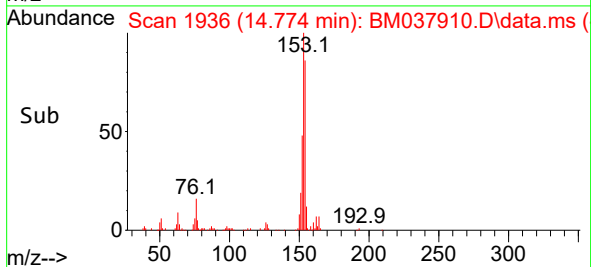
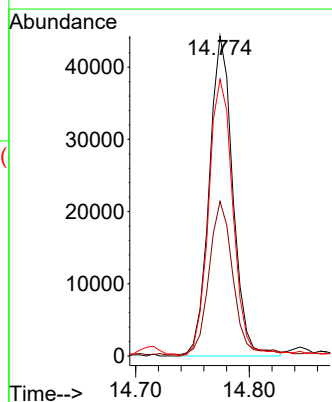
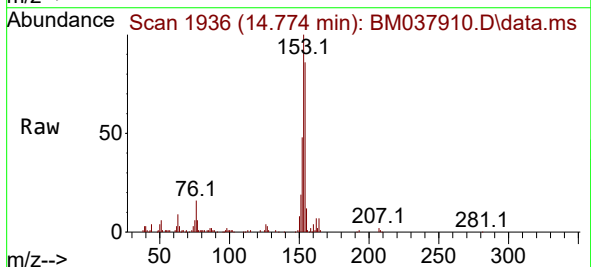
Instrument :
BNA_M
ClientSampleId :
DBXL1DL

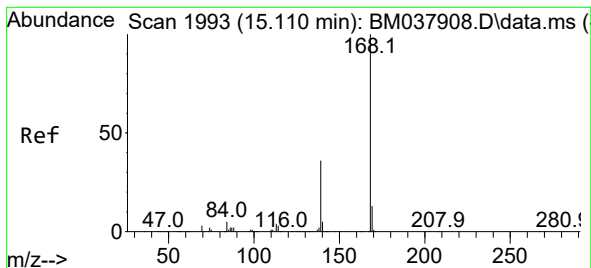
Tgt Ion:152 Resp: 57312
Ion Ratio Lower Upper
152 100
151 18.2 15.3 22.9
153 12.3 10.2 15.4



#52
Acenaphthene
Concen: 1.803 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

Tgt Ion:153 Resp: 64168
Ion Ratio Lower Upper
153 100
152 48.3 38.2 57.4
154 86.4 71.4 107.0

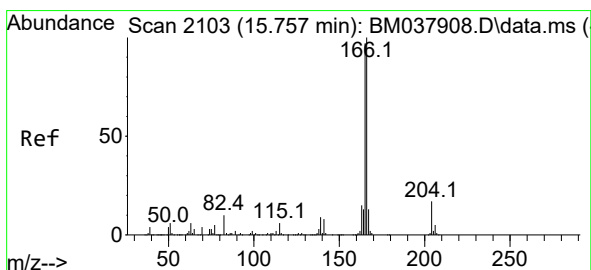
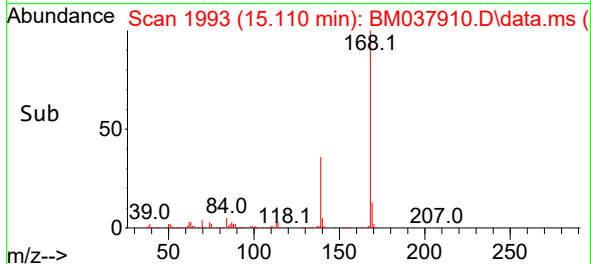
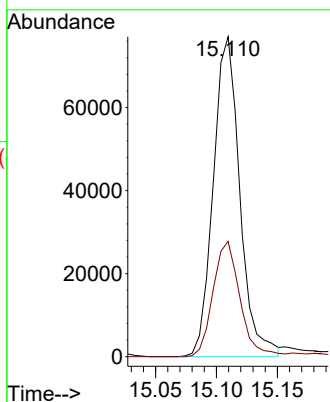
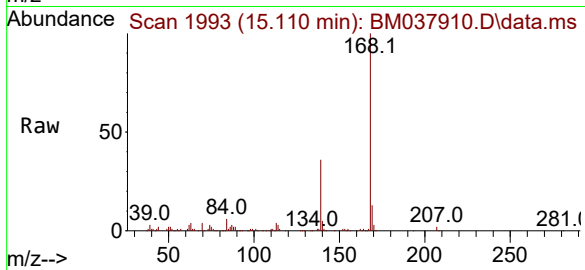




#56
Dibenzenofuran
Concen: 2.408 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

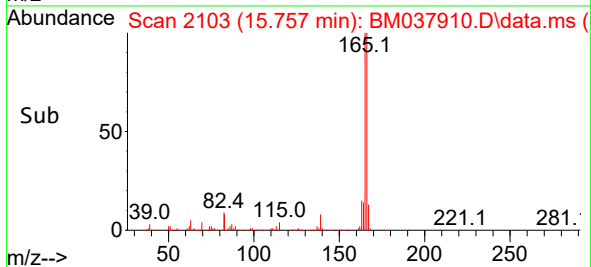
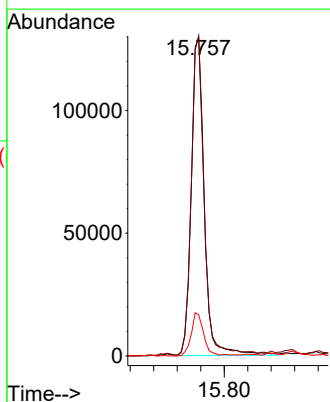
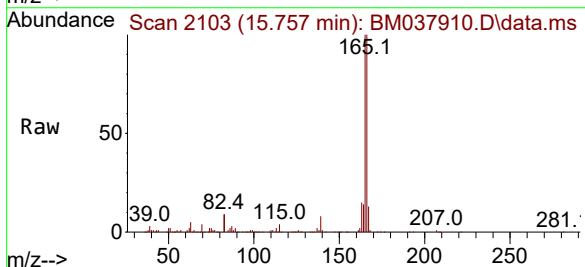
Instrument :
BNA_M
ClientSampleId :
DBXL1DL

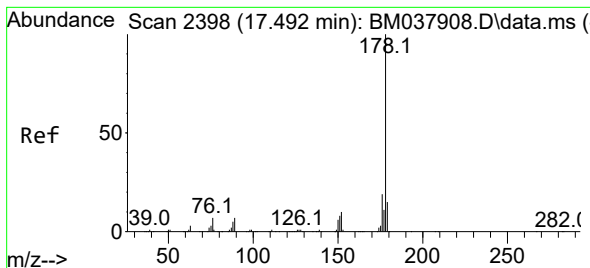
Tgt Ion:168 Resp: 116957
Ion Ratio Lower Upper
168 100
139 36.0 28.1 42.1



#61
Fluorene
Concen: 5.033 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

Tgt Ion:166 Resp: 199403
Ion Ratio Lower Upper
166 100
165 100.2 77.2 115.8
167 12.9 10.4 15.6





#72

Phenanthrene

Concen: 9.286 ng/ul

RT: 17.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXL1DL

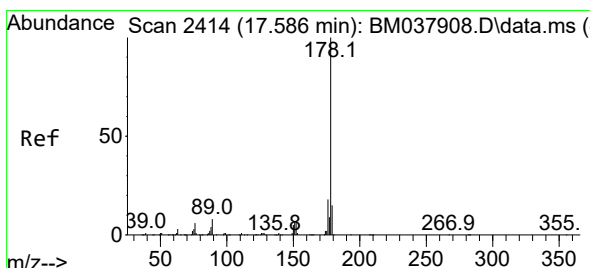
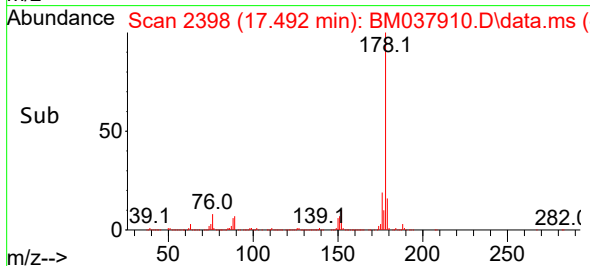
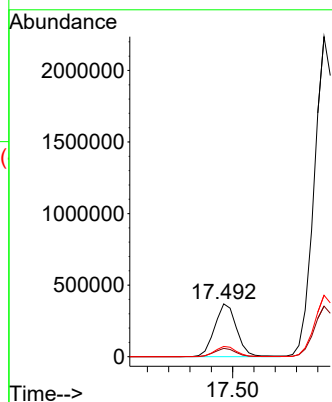
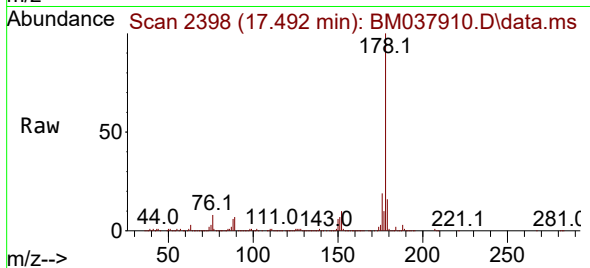
Tgt Ion:178 Resp: 527267

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

176 19.4 15.4 23.0



#74

Anthracene

Concen: 55.443 ng/ul

RT: 17.586 min Scan# 2414

Delta R.T. -0.000 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

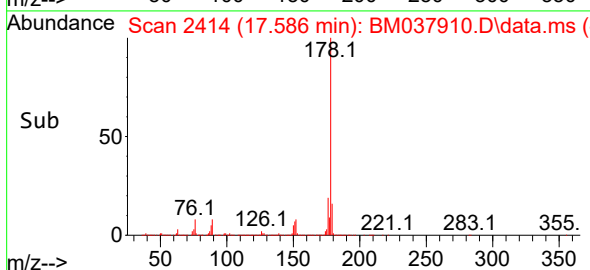
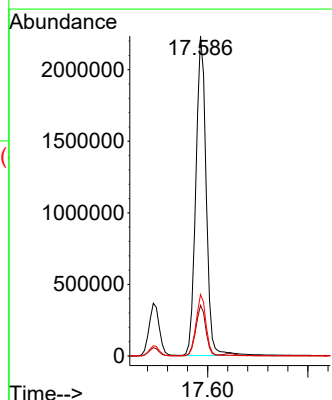
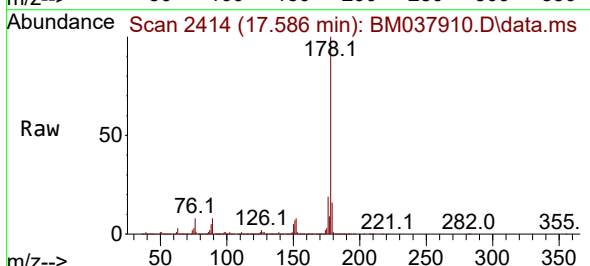
Tgt Ion:178 Resp: 3199182

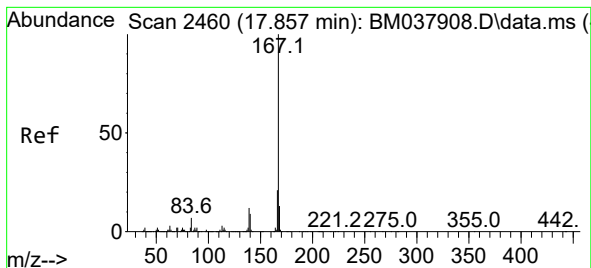
Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

176 19.2 15.0 22.6





#77

Carbazole

Concen: 13.486 ng/ul

RT: 17.856 min Scan# 2460

Delta R.T. -0.000 min

Lab File: BM037910.D

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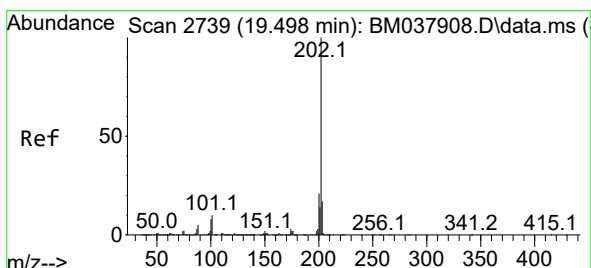
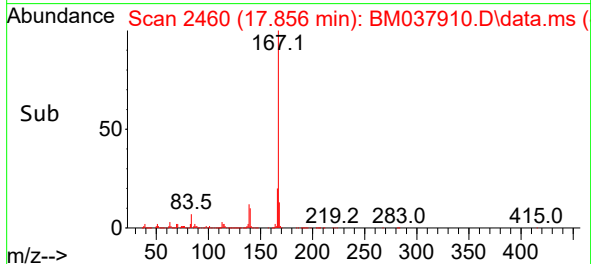
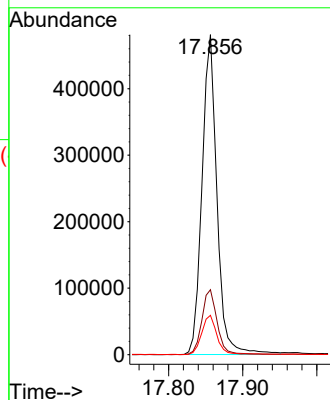
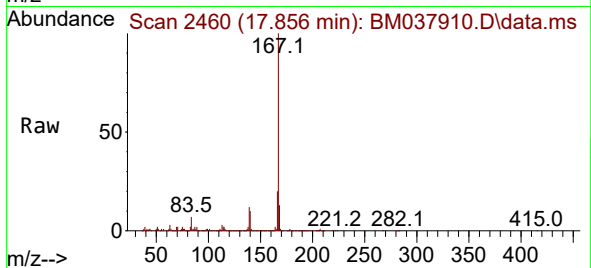
Tgt Ion:167 Resp: 674174

Ion Ratio Lower Upper

167 100

166 20.3 16.7 25.1

139 12.3 9.8 14.6



#80

Fluoranthene

Concen: 6.536 ng/ul

RT: 19.497 min Scan# 2739

Delta R.T. -0.000 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

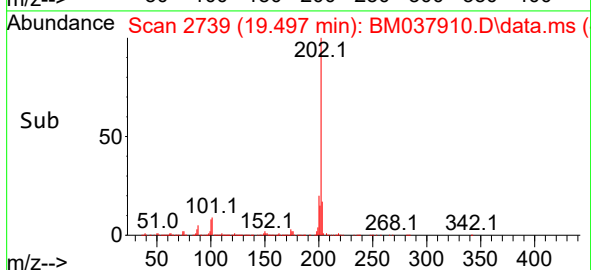
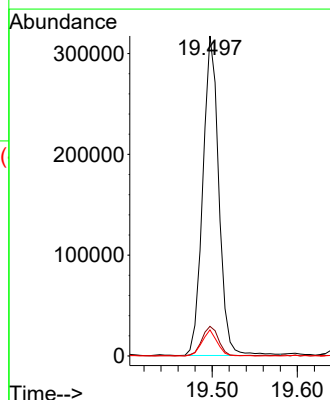
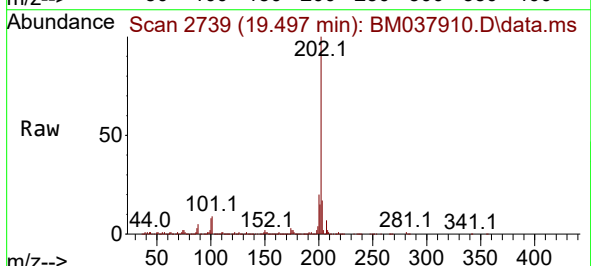
Tgt Ion:202 Resp: 413211

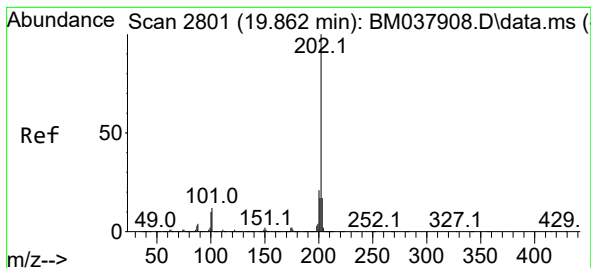
Ion Ratio Lower Upper

202 100

101 9.3 8.6 13.0

100 8.1 6.6 10.0





#82

Pyrene

Concen: 8.726 ng/ul

RT: 19.862 min Scan# 2801

Delta R.T. -0.000 min

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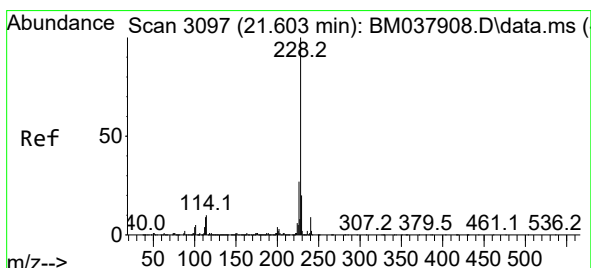
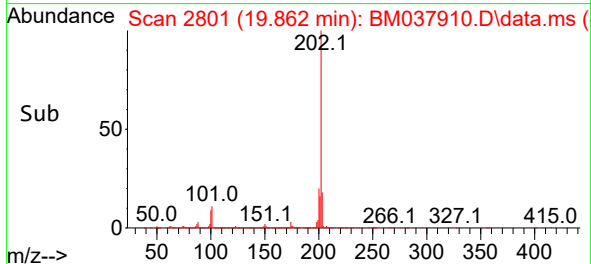
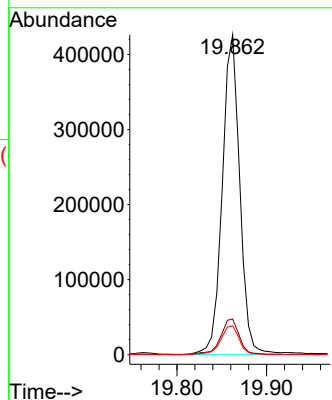
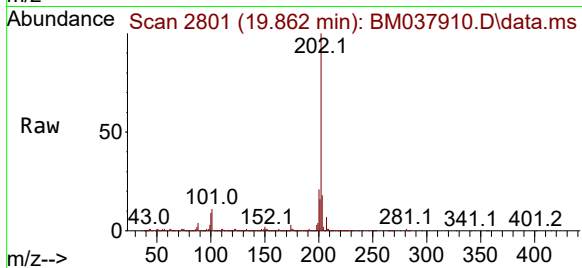
Tgt Ion:202 Resp: 574185

Ion Ratio Lower Upper

202 100

101 11.2 10.0 15.0

100 9.0 7.9 11.9



#85

Benzo(a)anthracene

Concen: 2.236 ng/ul

RT: 21.603 min Scan# 3097

Delta R.T. -0.000 min

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Acq: 09 Dec 2022 10:59

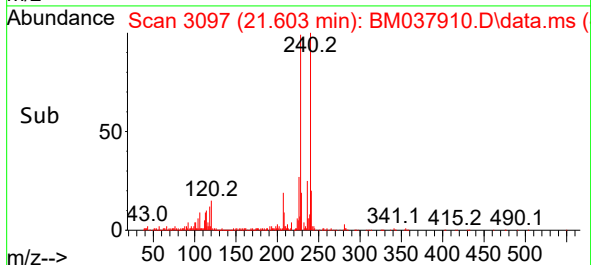
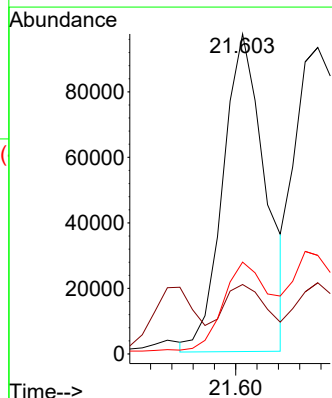
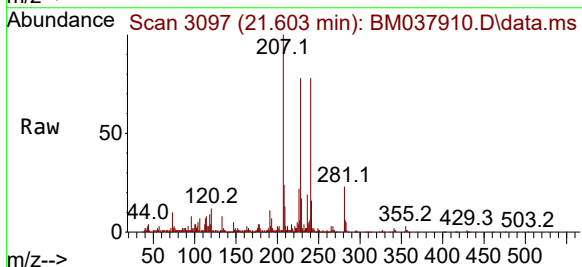
Tgt Ion:228 Resp: 134240

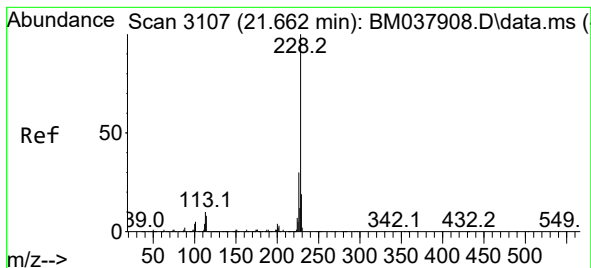
Ion Ratio Lower Upper

228 100

229 21.7 15.5 23.3

226 28.7 21.8 32.8





#87

Chrysene

Concen: 2.900 ng/ul

RT: 21.656 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037910.D

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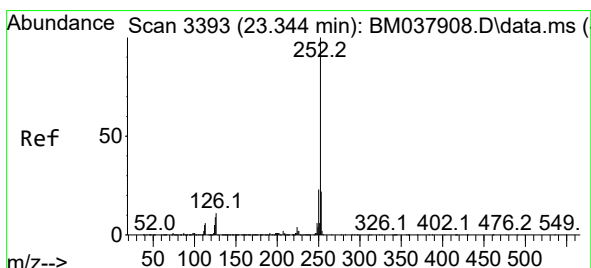
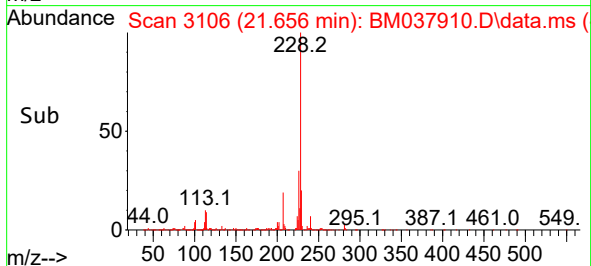
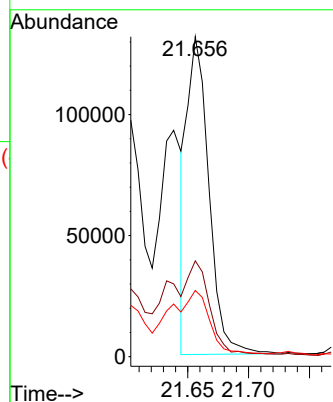
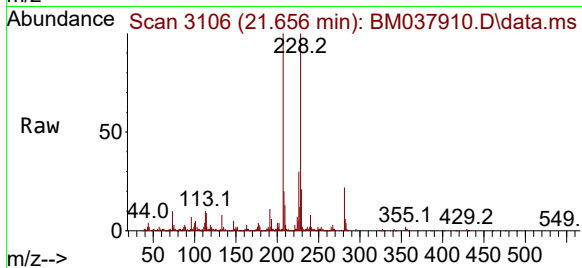
Tgt Ion:228 Resp: 163389

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 20.7 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 11.645 ng/ul

RT: 23.344 min Scan# 3393

Delta R.T. -0.000 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

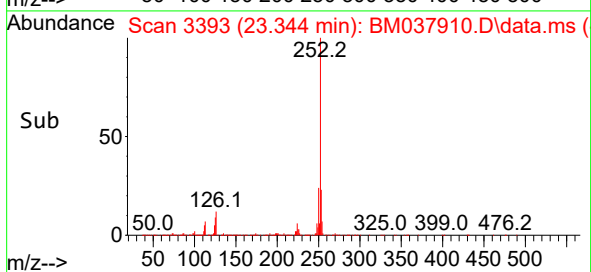
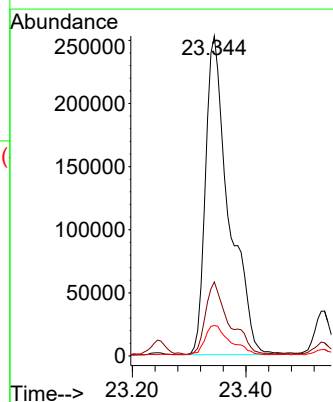
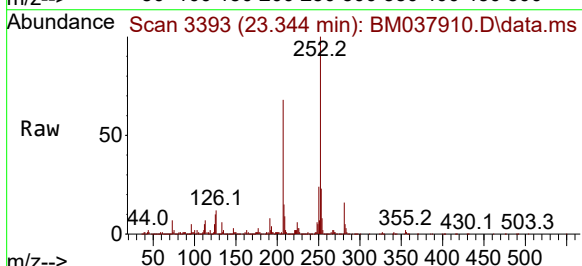
Tgt Ion:252 Resp: 721916

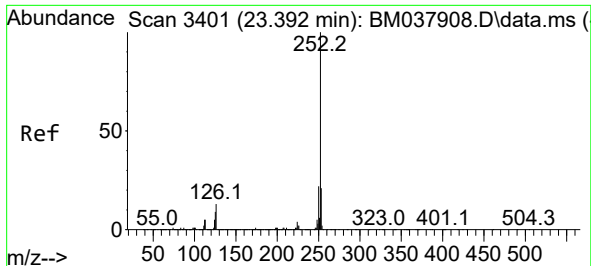
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 9.5 8.0 12.0

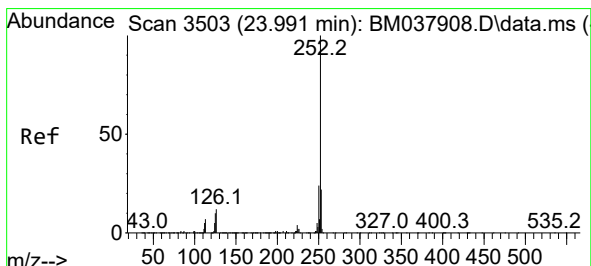
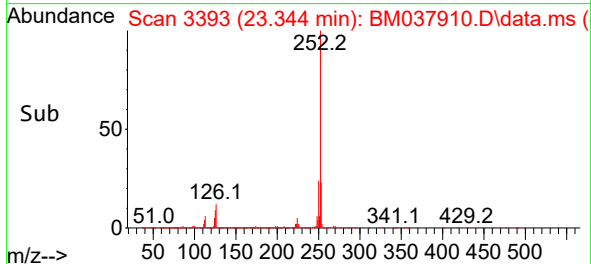
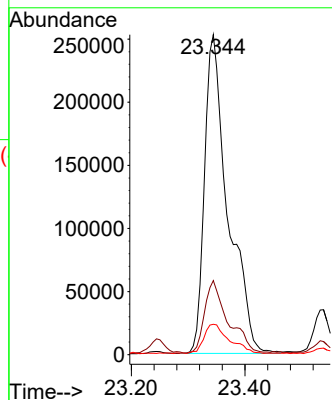
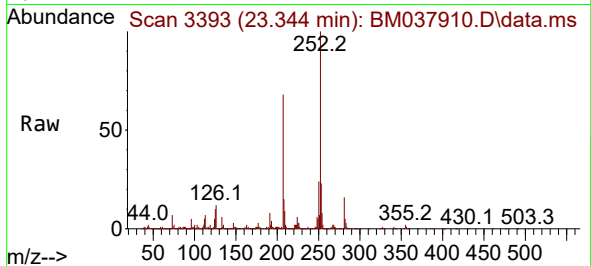




#91
Benzo(k)fluoranthene
Concen: 12.015 ng/ul
RT: 23.344 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

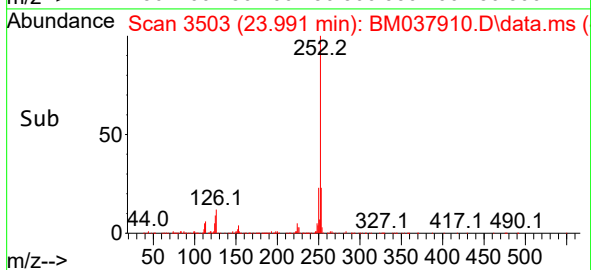
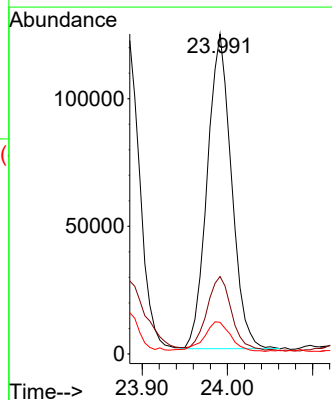
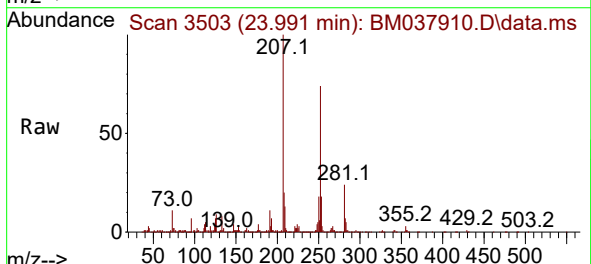
Instrument :
BNA_M
ClientSampleId :
DBXL1DL

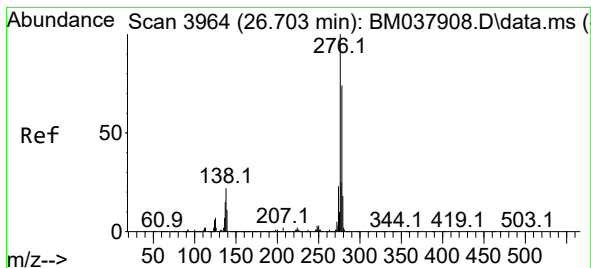
Tgt Ion:252 Resp: 721916
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.5 8.1 12.1



#93
Benzo(a)pyrene
Concen: 4.465 ng/ul
RT: 23.991 min Scan# 3503
Delta R.T. -0.000 min
Lab File: BM037910.D
Acq: 09 Dec 2022 10:59

Tgt Ion:252 Resp: 243398
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 9.9 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.502 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.012 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

Instrument :

BNA_M

ClientSampleId :

DBXL1DL

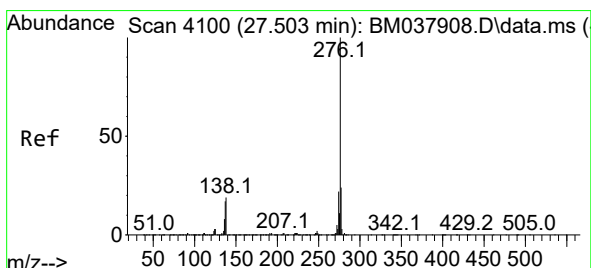
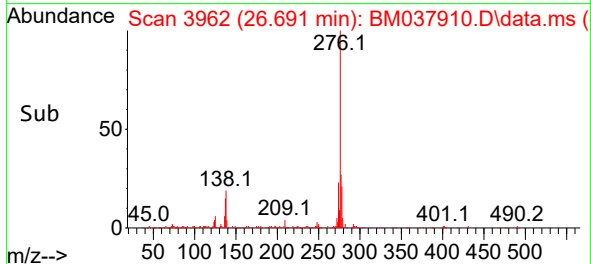
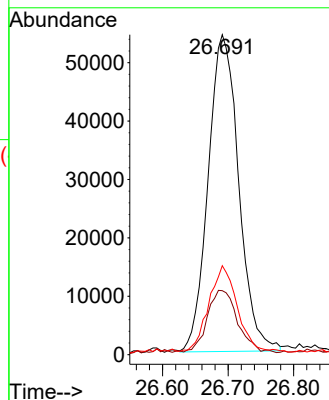
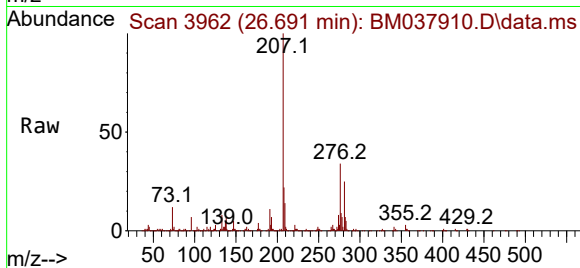
Tgt Ion:276 Resp: 175686

Ion Ratio Lower Upper

276 100

138 20.0 19.3 28.9

277 27.8 19.8 29.8



#96

Benzo(g,h,i)perylene

Concen: 2.307 ng/ul

RT: 27.497 min Scan# 4099

Delta R.T. -0.006 min

Lab File: BM037910.D

Acq: 09 Dec 2022 10:59

Tgt Ion:276 Resp: 129321

Ion Ratio Lower Upper

276 100

138 19.1 17.1 25.7

277 26.3 18.2 27.4

