

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037930.D
 Acq On : 10 Dec 2022 12:08
 Operator : CG/JU
 Sample : N5896-12DL 30X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0DL

Quant Time: Dec 11 21:25:49 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)

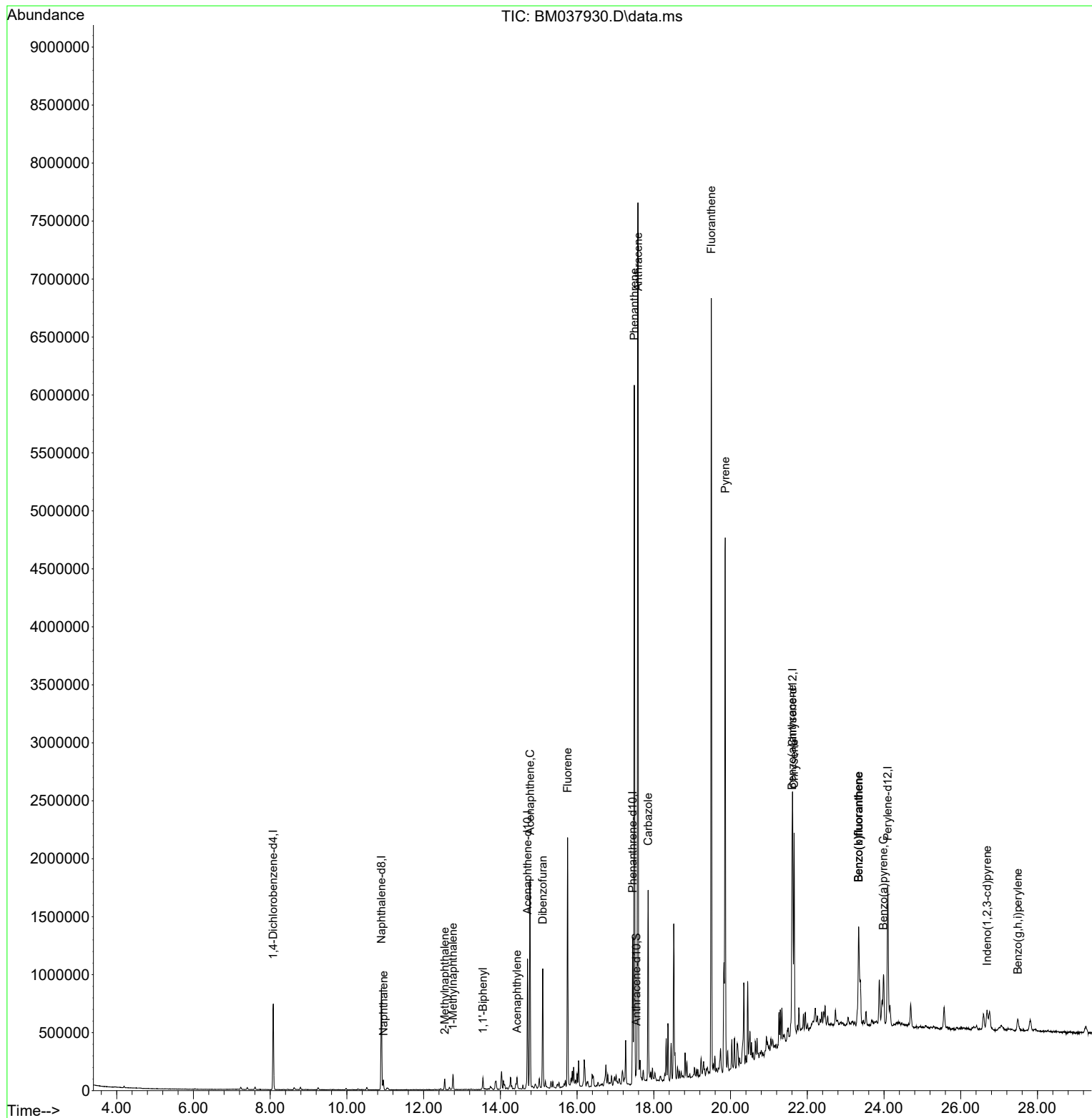
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	200919	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	725098	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	379696	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	796335	20.000	ng/ul	0.00
79) Chrysene-d12	21.615	240	851156	20.000	ng/ul	0.00
88) Perylene-d12	24.097	264	958543	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	375	0.085	ng/uL	0.00
4) Pyridine-d5	3.840	84	964	0.073	ng/ul	-0.02
7) Phenol-d5	7.234	99	10622	0.651	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	7931	0.798	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	9700	0.724	ng/ul	0.00
15) 4-Methylphenol-d8	8.792	113	8056	0.632	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	4701	0.819	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	4219	0.701	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	7699	0.674	ng/ul	0.00
31) 4-Chloroaniline-d4	11.039	131	6262	0.397	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	23844	0.881	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	28084	0.849	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	1680	0.364	ng/ul	0.00
60) Fluorene-d10	15.692	176	22147	0.918	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	1560	0.366	ng/ul	0.00
73) Anthracene-d10	17.545	188	39040	1.050	ng/ul	0.00
81) Pyrene-d10	19.827	212	46137	0.902	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.933	264	45920	0.959	ng/ul	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.951	128	62952	1.609	ng/ul	99
36) 2-Methylnaphthalene	12.551	142	42867	1.689	ng/ul	96
37) 1-Methylnaphthalene	12.763	142	58894	2.269	ng/ul#	97
43) 1,1'-Biphenyl	13.545	154	50495	1.654	ng/ul#	93
50) Acenaphthylene	14.433	152	58071	1.596	ng/ul#	93
52) Acenaphthene	14.774	153	727226	28.901	ng/ul	99
56) Dibenzofuran	15.104	168	637968	18.571	ng/ul	98
61) Fluorene	15.751	166	945562	33.751	ng/ul	98
72) Phenanthrene	17.492	178	3655306	84.054	ng/ul	100
74) Anthracene	17.586	178	4608508	104.278	ng/ul	99
77) Carbazole	17.851	167	1039439	27.147	ng/ul	99
80) Fluoranthene	19.498	202	3985300	66.045	ng/ul	99
82) Pyrene	19.862	202	2900103	46.180	ng/ul	99
85) Benzo(a)anthracene	21.603	228	718522	12.539	ng/ul	99
87) Chrysene	21.656	228	1007611	18.741	ng/ul	99
90) Benzo(b)fluoranthene	23.338	252	776506	13.067	ng/ul	99
91) Benzo(k)fluoranthene	23.338	252	776506	13.483	ng/ul	99
93) Benzo(a)pyrene	23.985	252	350985	6.716	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.685	276	179801	2.672	ng/ul	95
96) Benzo(g,h,i)perylene	27.485	276	125900	2.343	ng/ul	95

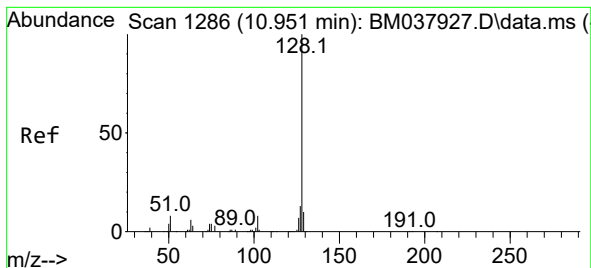
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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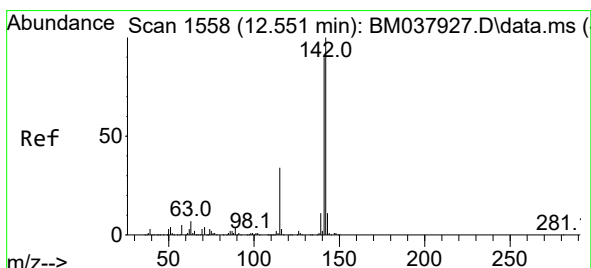
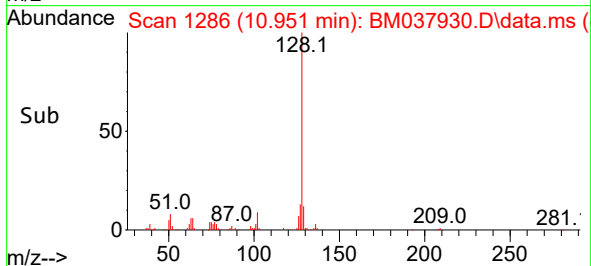
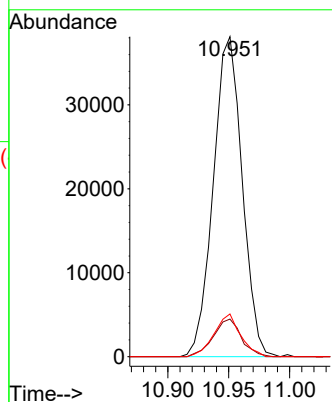
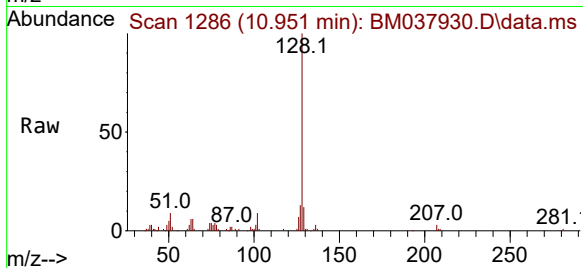




#30
Naphthalene
Concen: 1.609 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

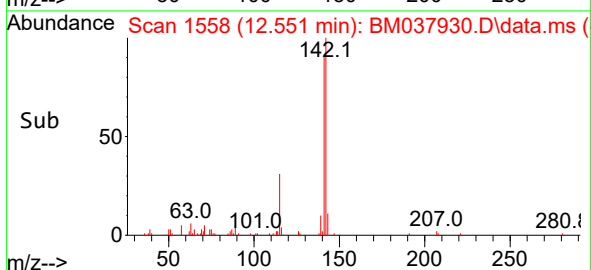
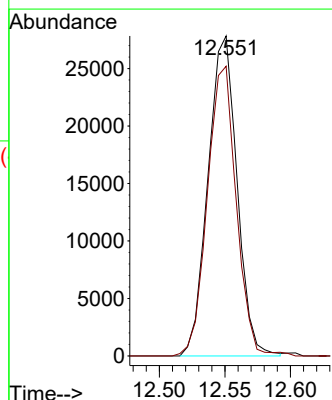
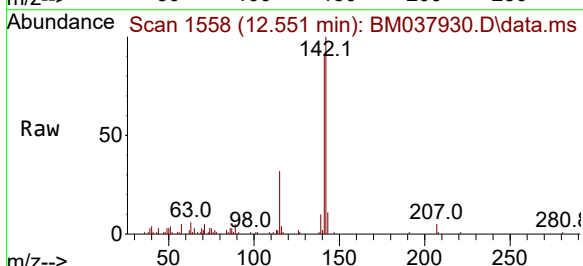
Instrument :
BNA_M
ClientSampleId :
DBXN0DL

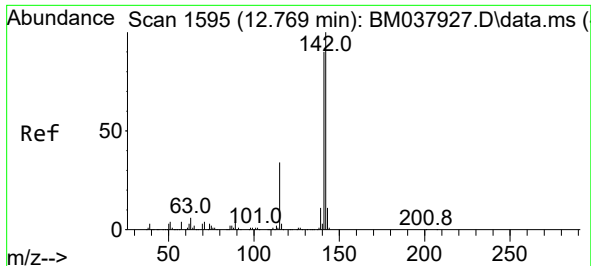
Tgt Ion:128 Resp: 62952
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 13.4 10.4 15.6



#36
2-Methylnaphthalene
Concen: 1.689 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. -0.000 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

Tgt Ion:142 Resp: 42867
Ion Ratio Lower Upper
142 100
141 90.6 69.4 104.0





#37

1-Methylnaphthalene

Concen: 2.269 ng/ul

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

DBXN0DL

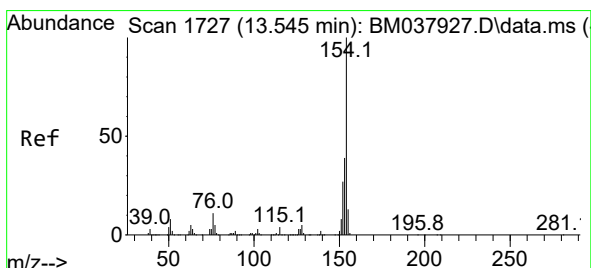
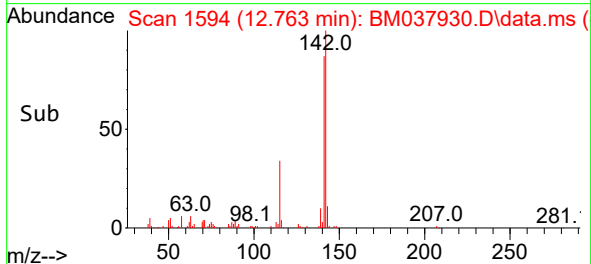
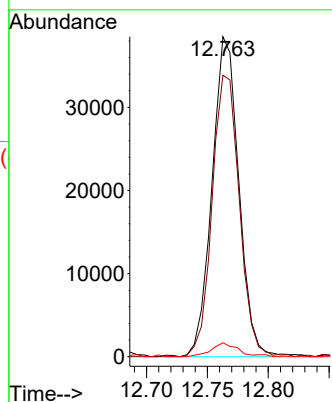
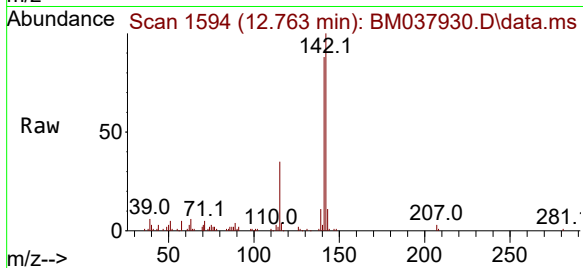
Tgt Ion:142 Resp: 58894

Ion Ratio Lower Upper

142 100

141 88.0 72.4 108.6

116 4.3 2.9 4.3#



#43

1,1'-Biphenyl

Concen: 1.654 ng/ul

RT: 13.545 min Scan# 1727

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

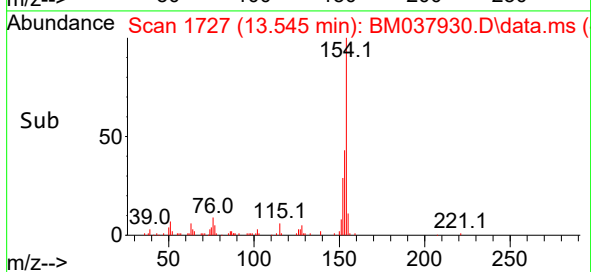
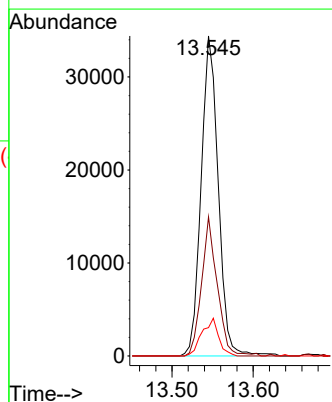
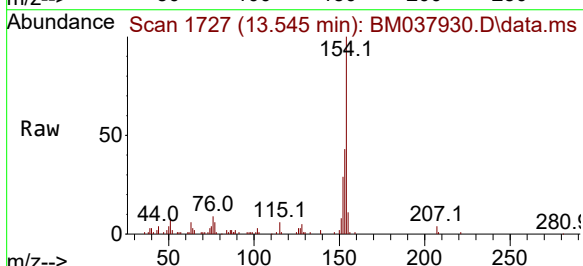
Tgt Ion:154 Resp: 50495

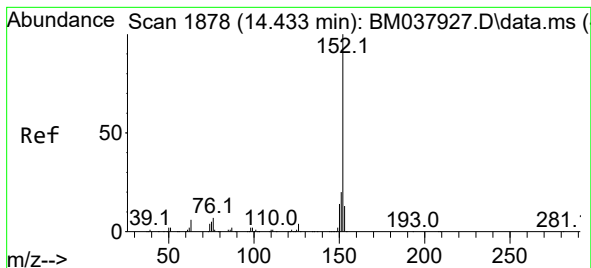
Ion Ratio Lower Upper

154 100

153 43.4 31.2 46.8

76 8.9 9.3 13.9#





#50

Acenaphthylene

Concen: 1.596 ng/ul

RT: 14.433 min Scan# 1878

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

DBXN0DL

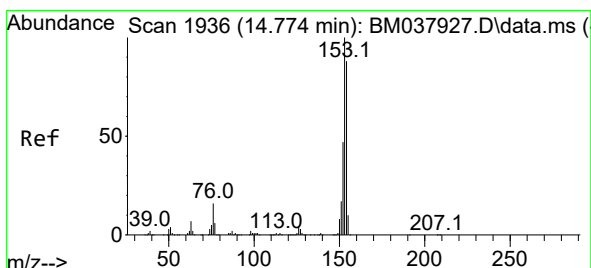
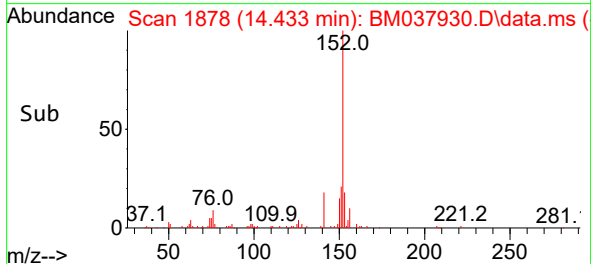
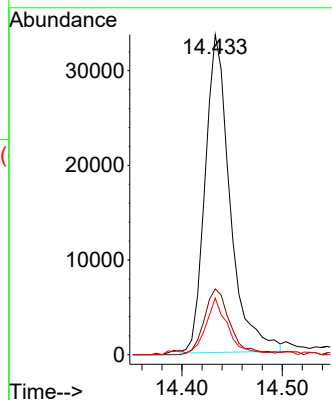
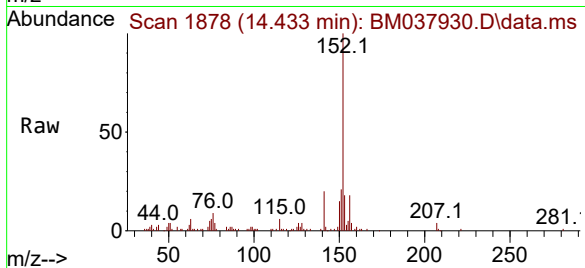
Tgt Ion:152 Resp: 58071

Ion Ratio Lower Upper

152 100

151 20.5 15.3 22.9

153 17.7 10.2 15.4#



#52

Acenaphthene

Concen: 28.901 ng/ul

RT: 14.774 min Scan# 1936

Delta R.T. -0.000 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

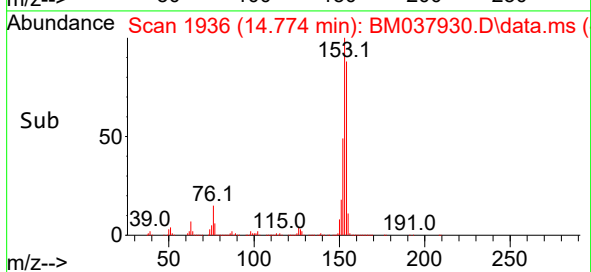
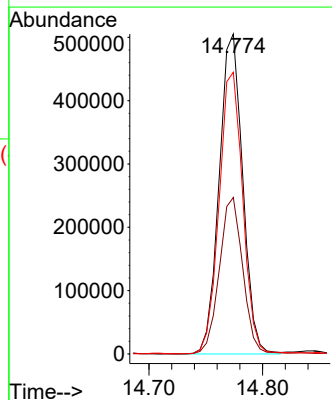
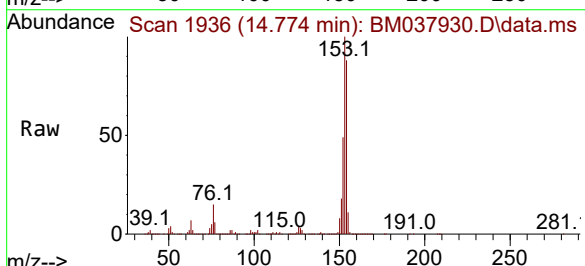
Tgt Ion:153 Resp: 727226

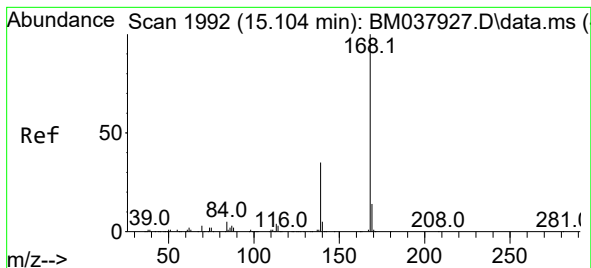
Ion Ratio Lower Upper

153 100

152 48.9 38.2 57.4

154 88.1 71.4 107.0





#56

Dibenzofuran

Concen: 18.571 ng/ul

RT: 15.104 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

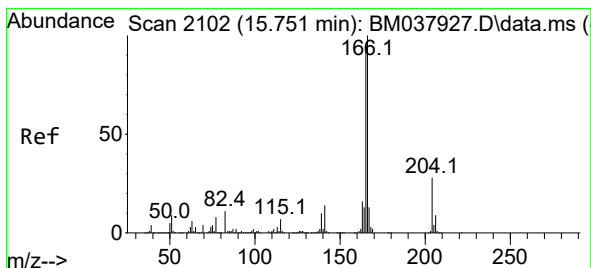
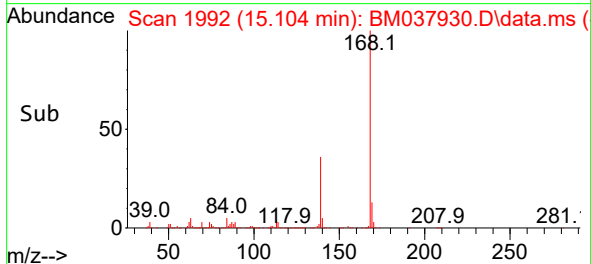
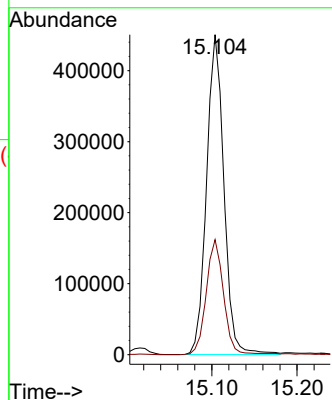
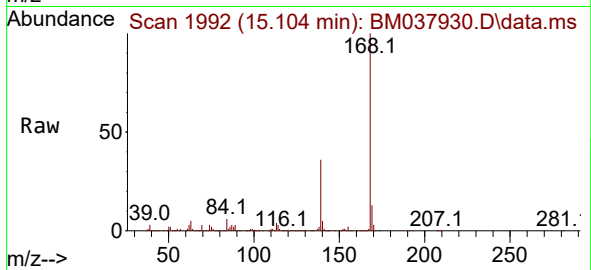
DBXN0DL

Tgt Ion:168 Resp: 637968

Ion Ratio Lower Upper

168 100

139 36.0 28.1 42.1



#61

Fluorene

Concen: 33.751 ng/ul

RT: 15.751 min Scan# 2102

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

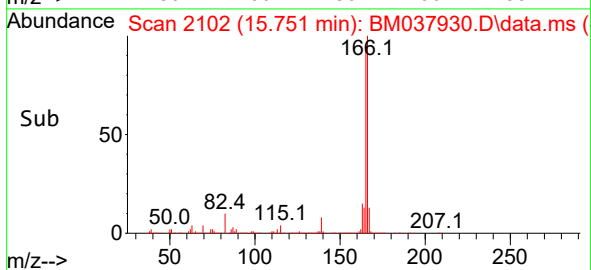
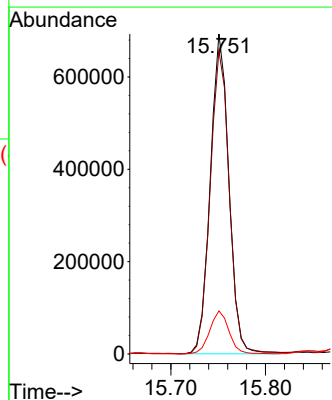
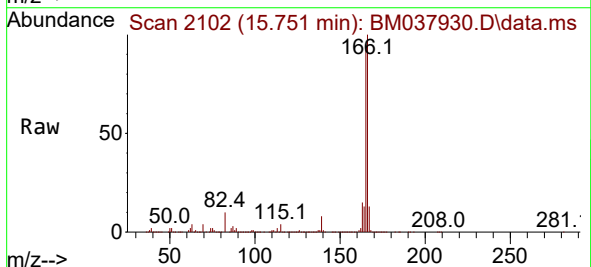
Tgt Ion:166 Resp: 945562

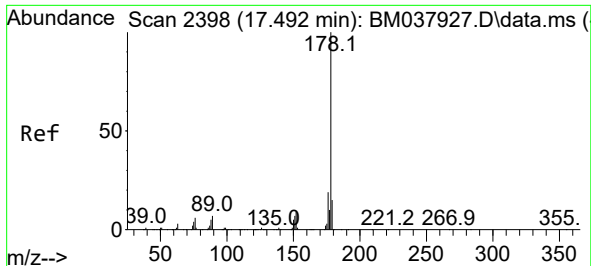
Ion Ratio Lower Upper

166 100

165 94.6 77.2 115.8

167 13.4 10.4 15.6

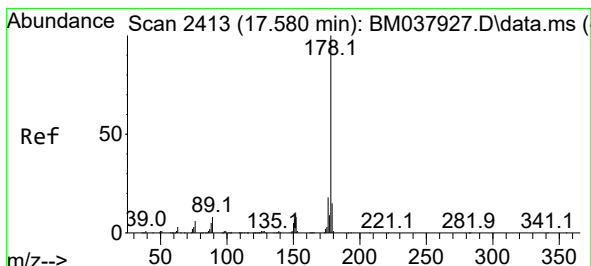
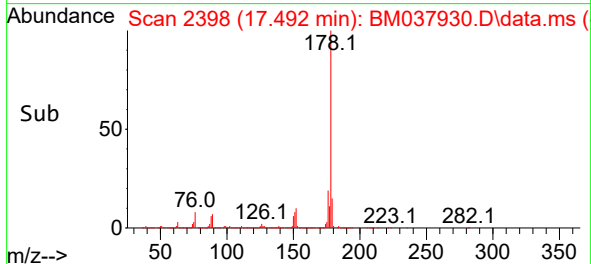
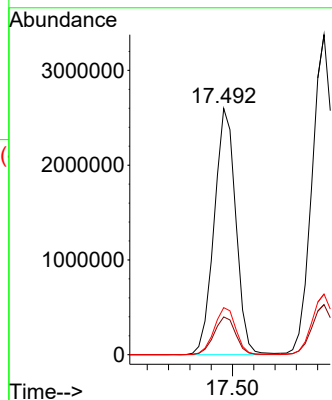
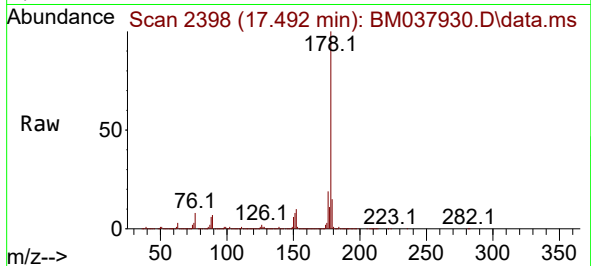




#72
Phenanthrene
Concen: 84.054 ng/ul
RT: 17.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

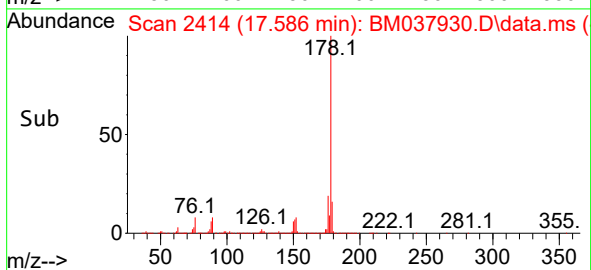
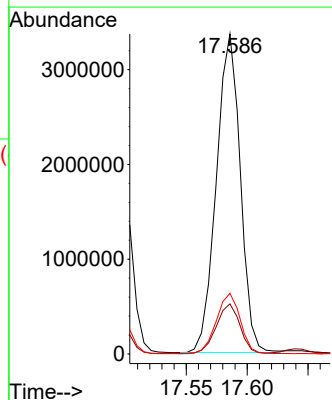
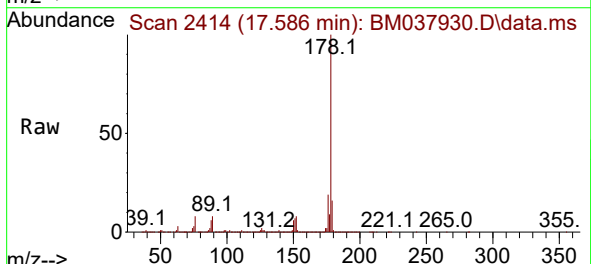
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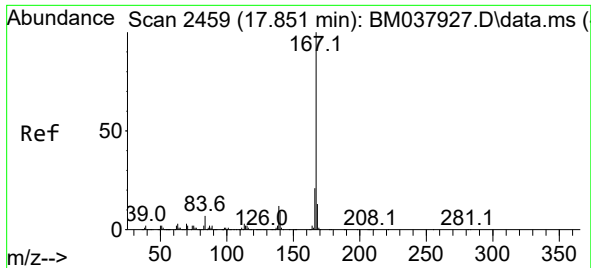
Tgt Ion:178 Resp: 3655306
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.2
176 19.1 15.4 23.0



#74
Anthracene
Concen: 104.278 ng/ul
RT: 17.586 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

Tgt Ion:178 Resp: 4608508
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 19.0 15.0 22.6

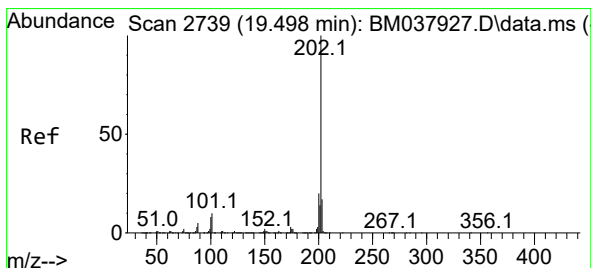
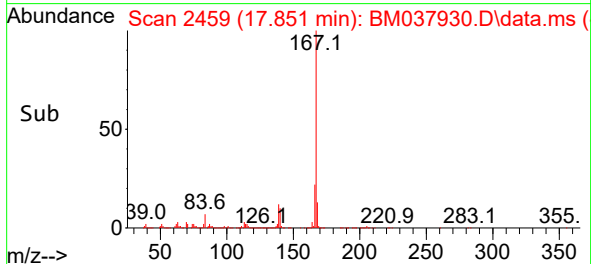
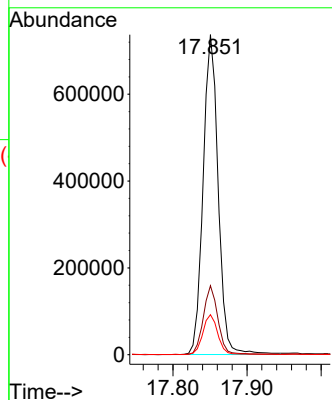
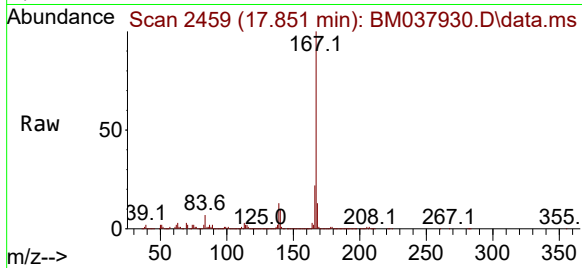




#77
 Carbazole
 Concen: 27.147 ng/ul
 RT: 17.851 min Scan# 2459
 Delta R.T. -0.006 min
 Lab File: BM037930.D
 Acq: 10 Dec 2022 12:08

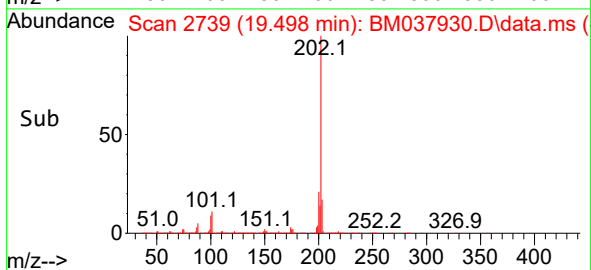
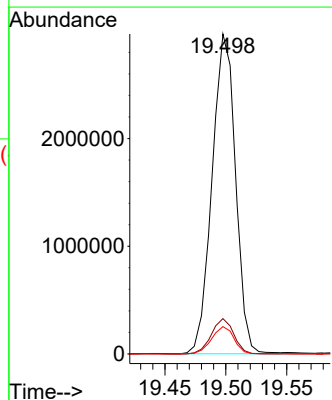
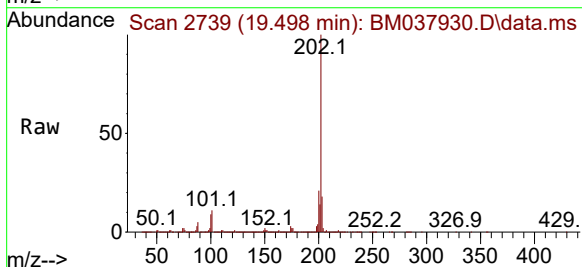
Instrument :
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 ClientSampleId :
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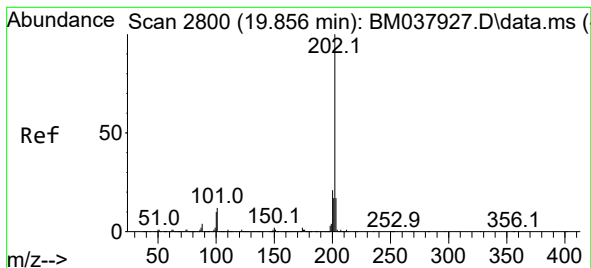
Tgt Ion:167 Resp: 1039439
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.7 25.1
 139 12.5 9.8 14.6



#80
 Fluoranthene
 Concen: 66.045 ng/ul
 RT: 19.498 min Scan# 2739
 Delta R.T. -0.000 min
 Lab File: BM037930.D
 Acq: 10 Dec 2022 12:08

Tgt Ion:202 Resp: 3985300
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.6 13.0
 100 8.5 6.6 10.0





#82

Pyrene

Concen: 46.180 ng/ul

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

DBXN0DL

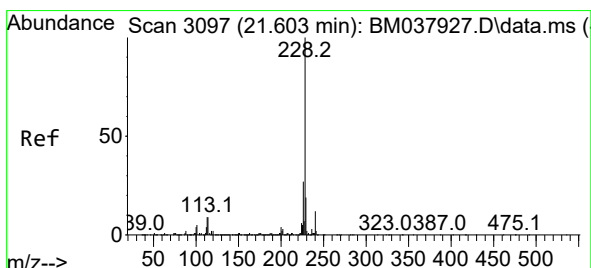
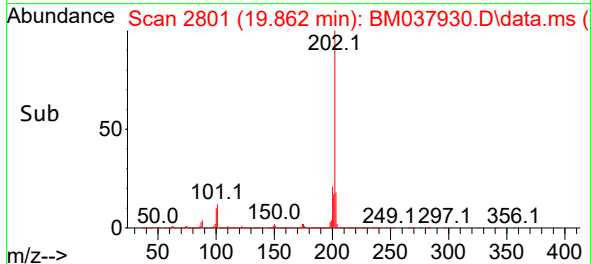
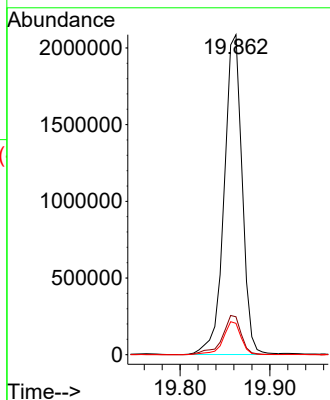
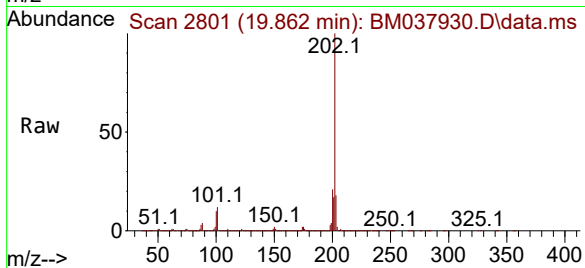
Tgt Ion:202 Resp: 2900103

Ion Ratio Lower Upper

202 100

101 11.9 10.0 15.0

100 9.8 7.9 11.9



#85

Benzo(a)anthracene

Concen: 12.539 ng/ul

RT: 21.603 min Scan# 3097

Delta R.T. -0.000 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

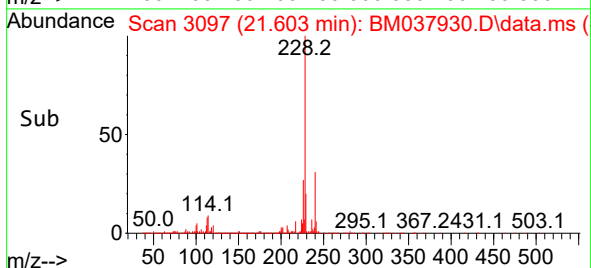
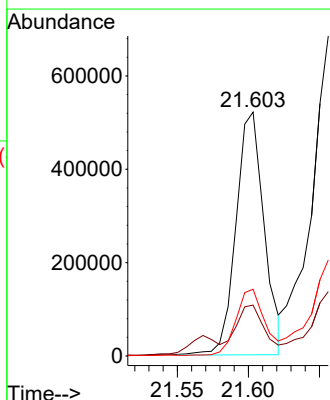
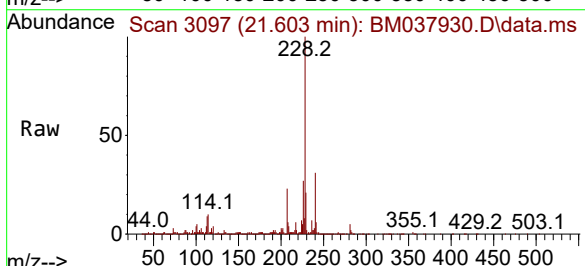
Tgt Ion:228 Resp: 718522

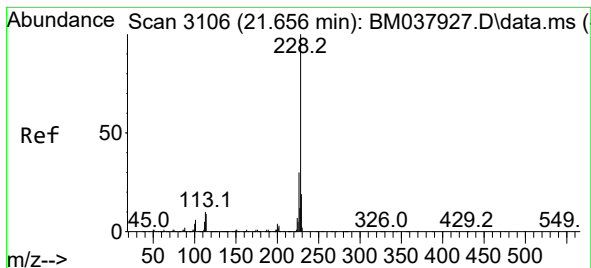
Ion Ratio Lower Upper

228 100

229 20.9 15.5 23.3

226 27.4 21.8 32.8





#87

Chrysene

Concen: 18.741 ng/ul

RT: 21.656 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

DBXN0DL

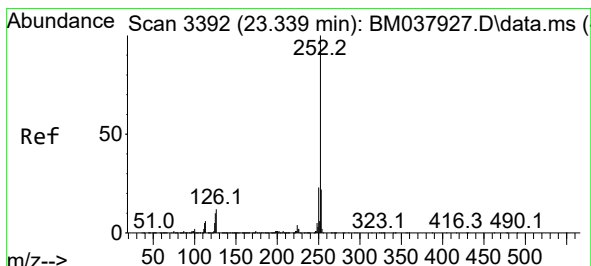
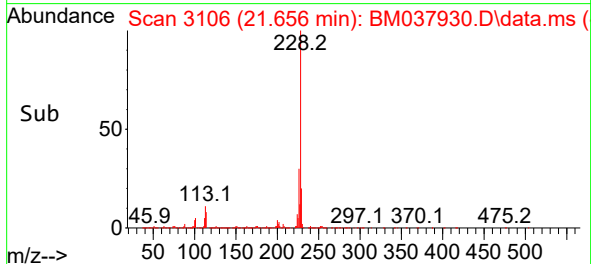
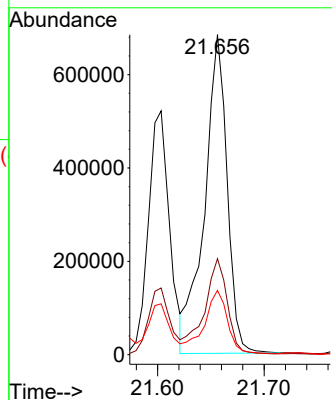
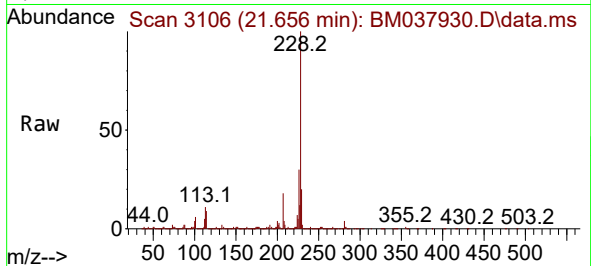
Tgt Ion:228 Resp: 1007611

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 20.1 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 13.067 ng/ul

RT: 23.338 min Scan# 3392

Delta R.T. -0.006 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

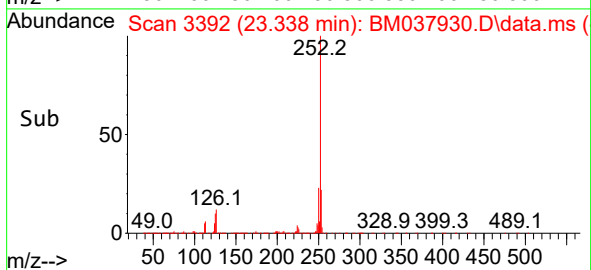
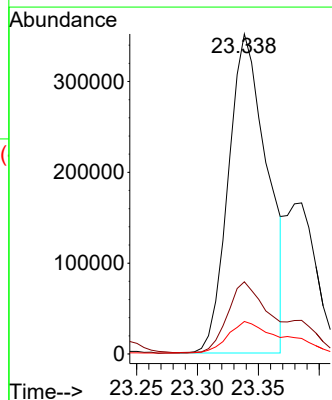
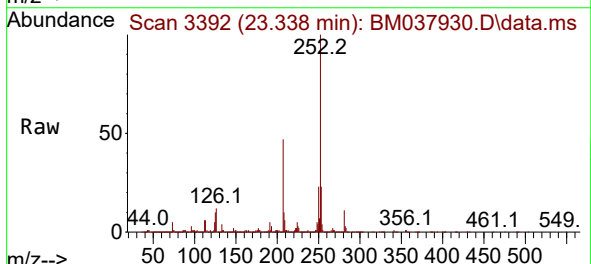
Tgt Ion:252 Resp: 776506

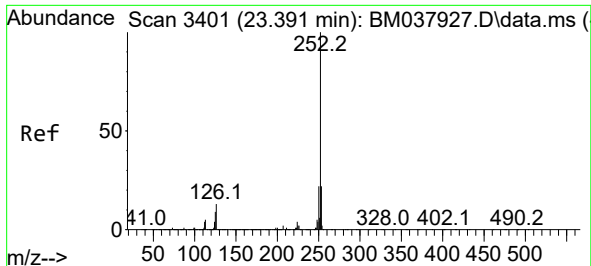
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 10.2 8.0 12.0

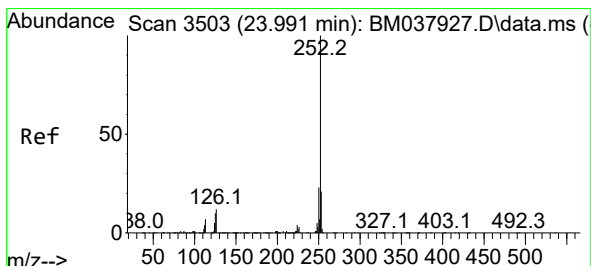
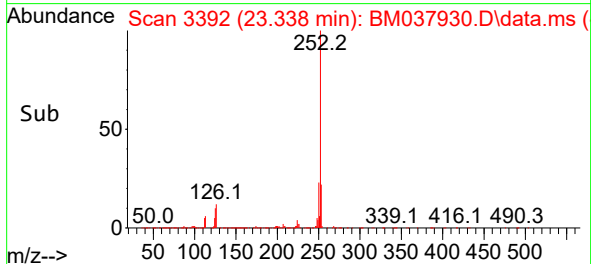
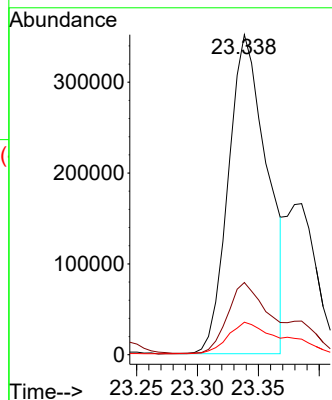
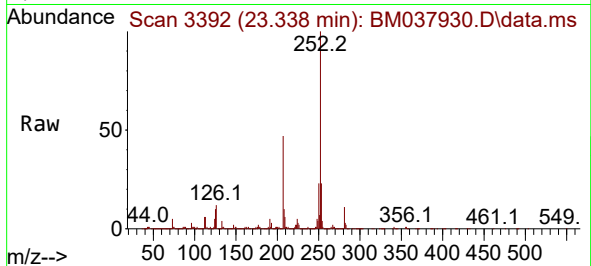




#91
Benzo(k)fluoranthene
Concen: 13.483 ng/ul
RT: 23.338 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

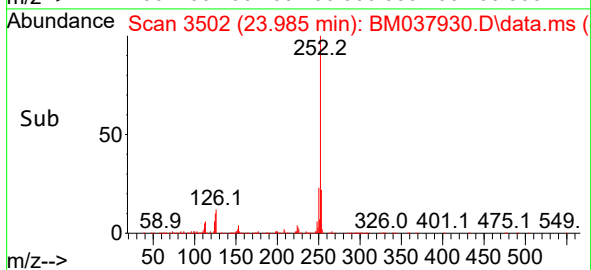
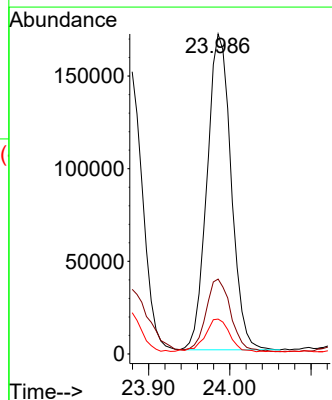
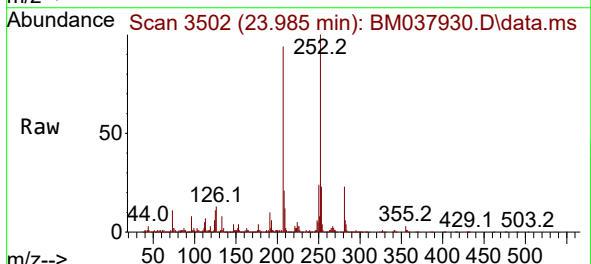
Instrument :
BNA_M
ClientSampleId :
DBXN0DL

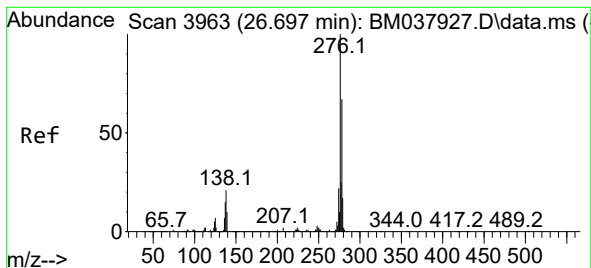
Tgt Ion:252 Resp: 776506
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.2 8.1 12.1



#93
Benzo(a)pyrene
Concen: 6.716 ng/ul
RT: 23.985 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM037930.D
Acq: 10 Dec 2022 12:08

Tgt Ion:252 Resp: 350985
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.9 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.672 ng/ul

RT: 26.685 min Scan# 3961

Delta R.T. -0.018 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Instrument :

BNA_M

ClientSampleId :

DBXN0DL

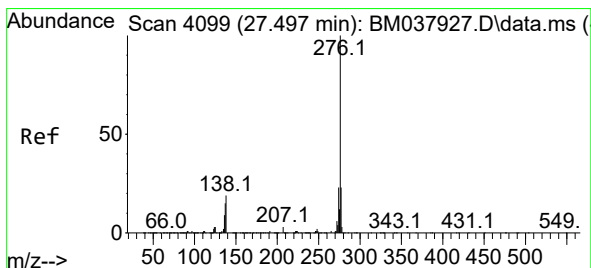
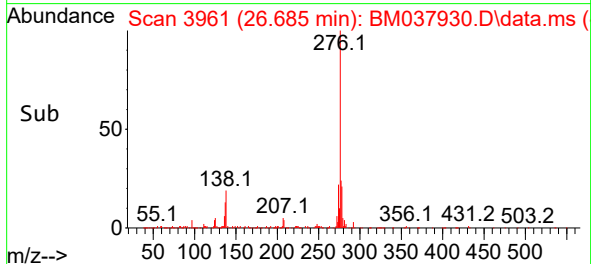
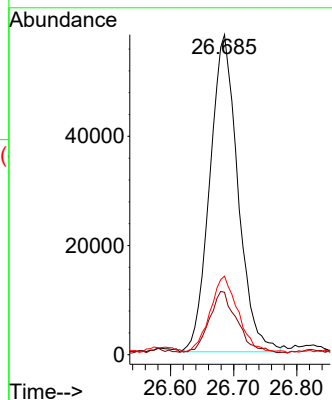
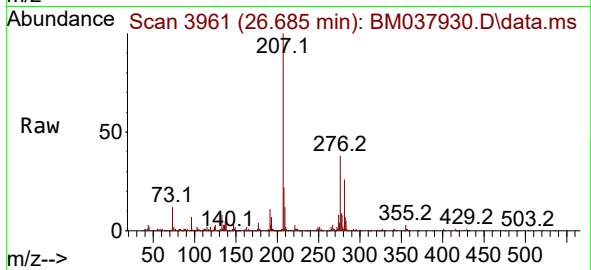
Tgt Ion:276 Resp: 179801

Ion Ratio Lower Upper

276 100

138 19.5 19.3 28.9

277 24.5 19.8 29.8



#96

Benzo(g,h,i)perylene

Concen: 2.343 ng/ul

RT: 27.485 min Scan# 4097

Delta R.T. -0.018 min

Lab File: BM037930.D

Acq: 10 Dec 2022 12:08

Tgt Ion:276 Resp: 125900

Ion Ratio Lower Upper

276 100

138 18.0 17.1 25.7

277 24.0 18.2 27.4

