

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037888.D
 Acq On : 08 Dec 2022 15:59
 Operator : CG/JU
 Sample : N5832-23 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL8

Quant Time: Dec 08 22:39:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

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

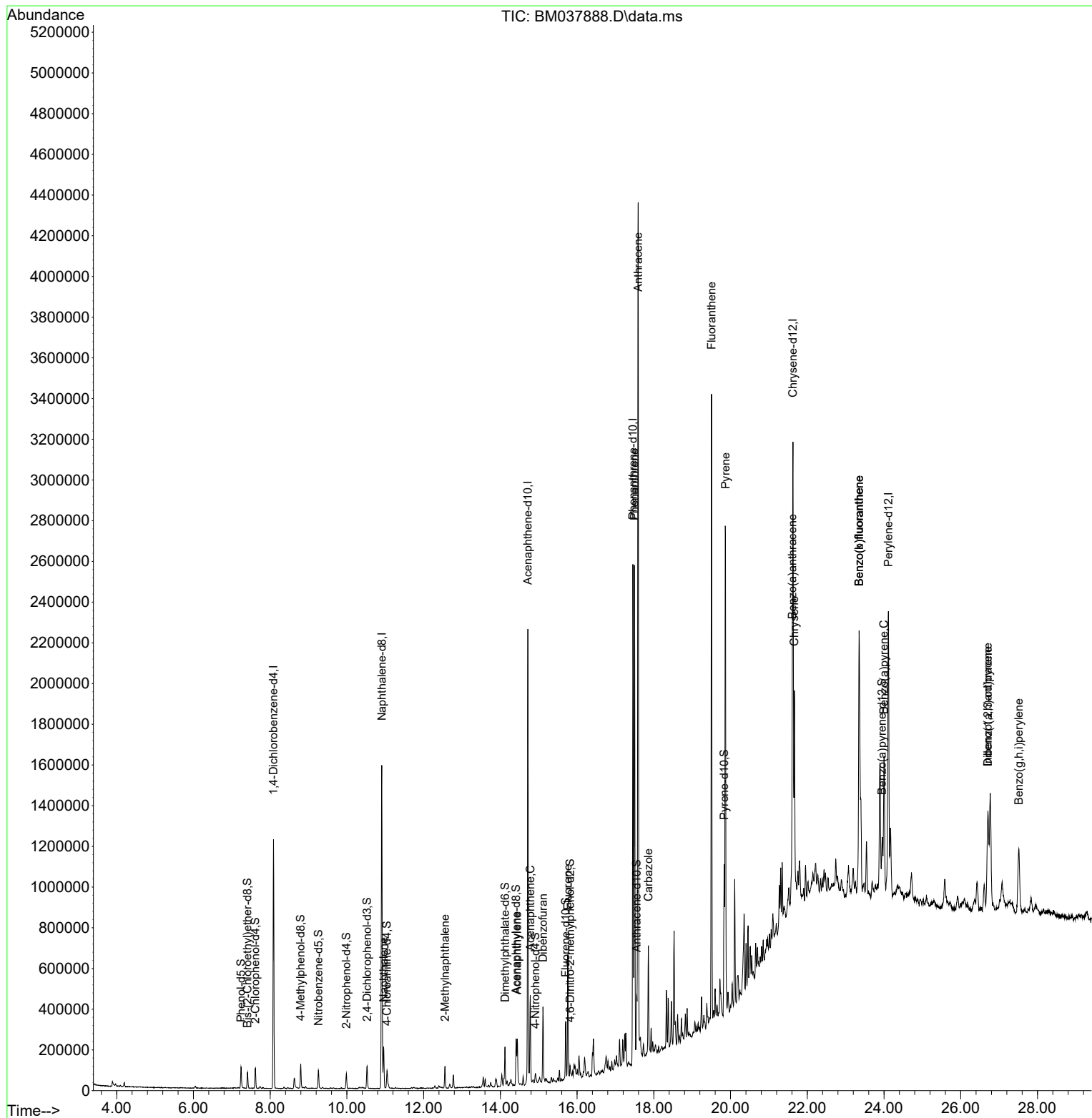
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	328684	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	1329976	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	744340	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	1475157	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	999628	20.000	ng/u1	0.00
88) Perylene-d12	24.115	264	1105643	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	2237	0.309	ng/uL	0.00
4) Pyridine-d5	3.869	84	126	0.006	ng/u1	0.00
7) Phenol-d5	7.240	99	57558	2.155	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	33766	2.076	ng/u1	0.00
11) 2-Chlorophenol-d4	7.616	132	46884	2.140	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	43554	2.089	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	22590	2.145	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	24069	2.181	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	42323	2.019	ng/u1	0.00
31) 4-Chloroaniline-d4	11.045	131	47937	1.657	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	129716	2.444	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	147337	2.272	ng/u1	0.00
54) 4-Nitrophenol-d4	14.916	143	11375	1.258	ng/u1	0.00
60) Fluorene-d10	15.704	176	116559	2.465	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	9499	1.204	ng/u1	0.00
73) Anthracene-d10	17.551	188	182907	2.657	ng/u1	0.00
81) Pyrene-d10	19.833	212	176906	2.946	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.951	264	142290	2.577	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.957	128	159795	2.226	ng/u1	98
36) 2-Methylnaphthalene	12.557	142	49975	1.074	ng/u1	93
50) Acenaphthylene	14.439	152	171898	2.410	ng/u1	99
52) Acenaphthene	14.781	153	169579	3.438	ng/u1	97
56) Dibenzofuran	15.110	168	236037	3.505	ng/u1	100
61) Fluorene	15.757	166	267499	4.871	ng/u1	98
72) Phenanthrene	17.498	178	1420831	17.637	ng/u1	99
74) Anthracene	17.592	178	2725519	33.292	ng/u1	99
77) Carbazole	17.857	167	334927	4.722	ng/u1	98
80) Fluoranthene	19.504	202	1807326	25.503	ng/u1	100
82) Pyrene	19.868	202	1497188	20.300	ng/u1	99
85) Benzo(a)anthracene	21.609	228	451313	6.706	ng/u1	97
87) Chrysene	21.662	228	681595	10.795	ng/u1	98
90) Benzo(b)fluoranthene	23.351	252	1180809	17.227	ng/u1	99
91) Benzo(k)fluoranthene	23.351	252	1180809	17.775	ng/u1	99
93) Benzo(a)pyrene	23.998	252	507982	8.427	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.709	276	525017	6.763	ng/u1	96
95) Dibenzo(a,h)anthracene	26.709	278	122631	1.874	ng/u1#	81
96) Benzo(g,h,i)perylene	27.515	276	425033	6.857	ng/u1	96

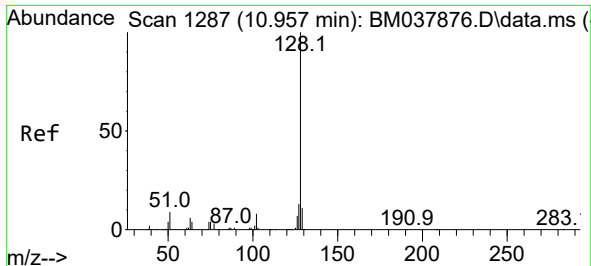
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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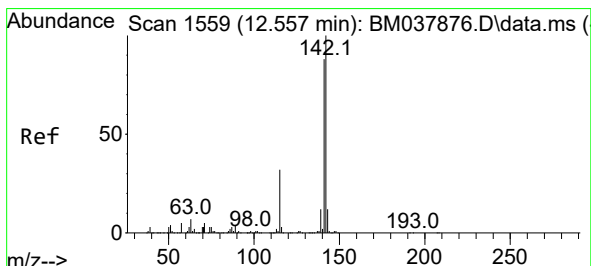
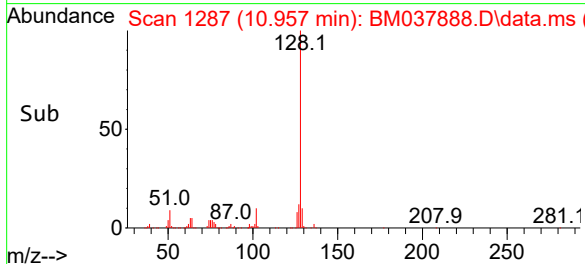
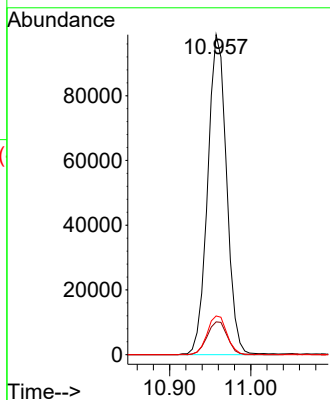
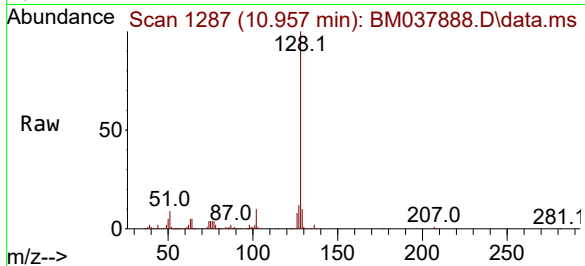




#30
Naphthalene
Concen: 2.226 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

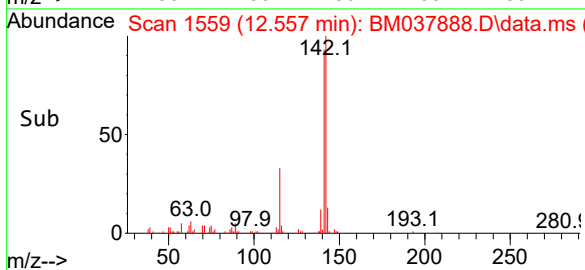
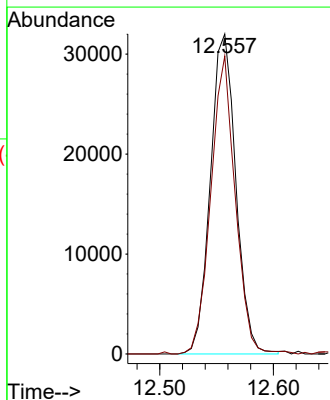
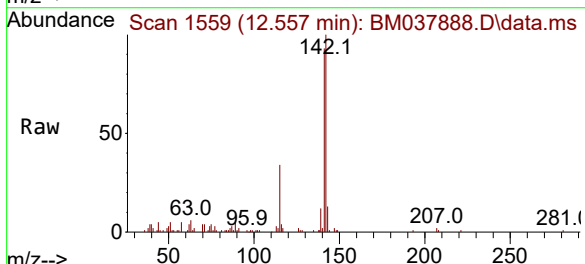
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BNA_M
ClientSampleId :
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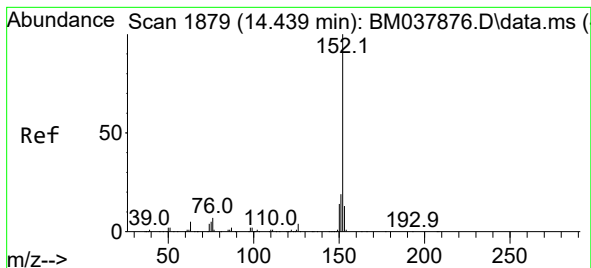
Tgt Ion:128 Resp: 159795
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 12.1 10.4 15.6



#36
2-Methylnaphthalene
Concen: 1.074 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

Tgt Ion:142 Resp: 49975
Ion Ratio Lower Upper
142 100
141 93.1 69.4 104.0





#50

Acenaphthylene

Concen: 2.410 ng/ul

RT: 14.439 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

Instrument :

BNA_M

ClientSampleId :

DBXL8

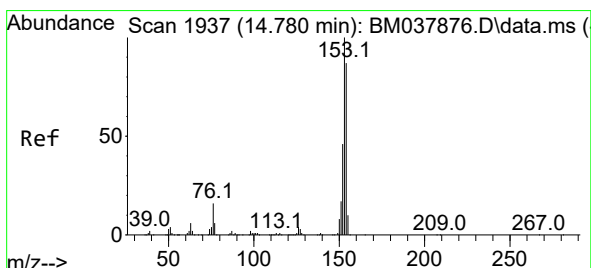
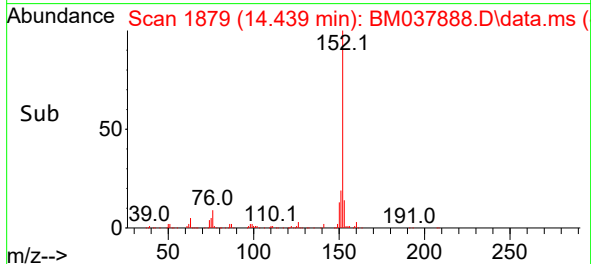
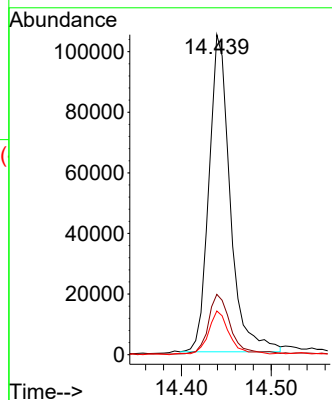
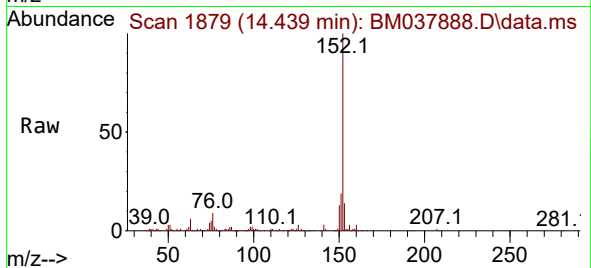
Tgt Ion:152 Resp: 171898

Ion Ratio Lower Upper

152 100

151 18.9 15.3 22.9

153 13.6 10.2 15.4



#52

Acenaphthene

Concen: 3.438 ng/ul

RT: 14.781 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

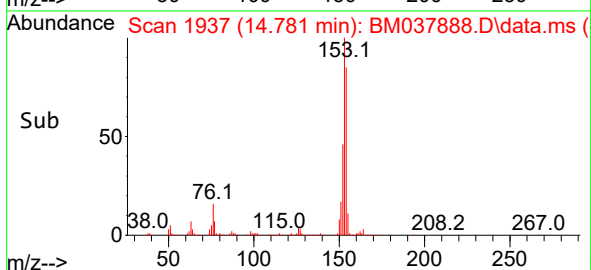
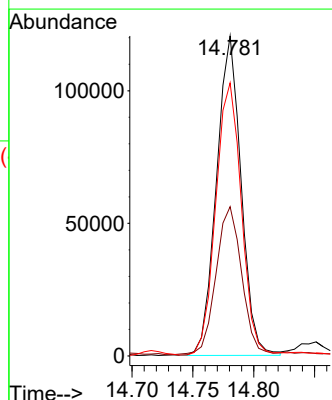
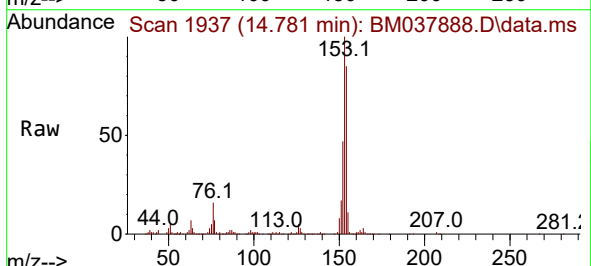
Tgt Ion:153 Resp: 169579

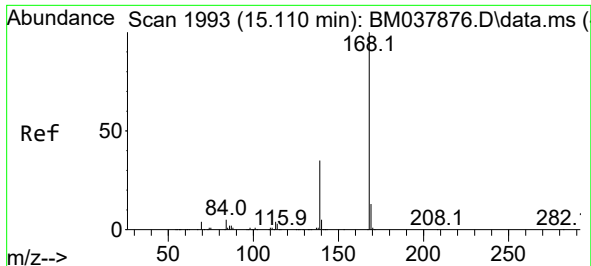
Ion Ratio Lower Upper

153 100

152 46.6 38.2 57.4

154 85.4 71.4 107.0

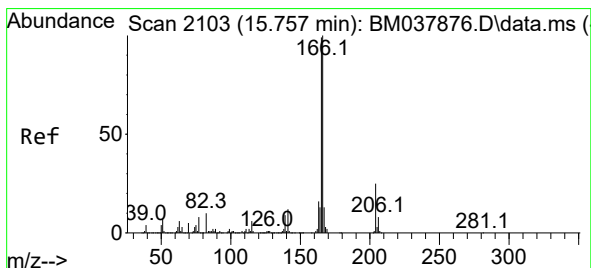
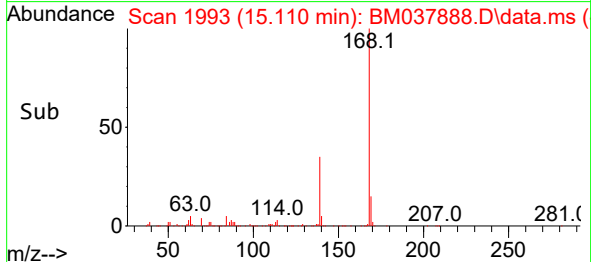
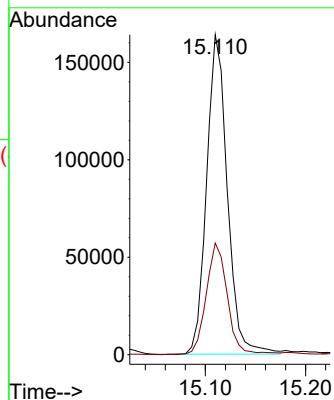
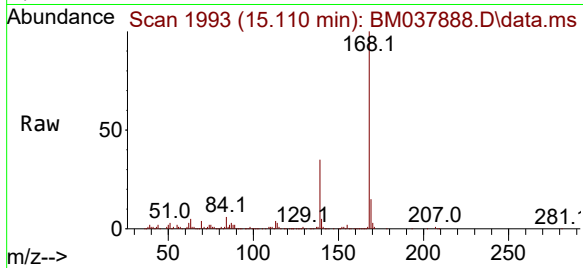




#56
Dibenzenofuran
Concen: 3.505 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

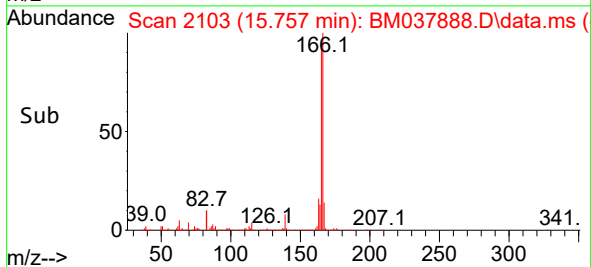
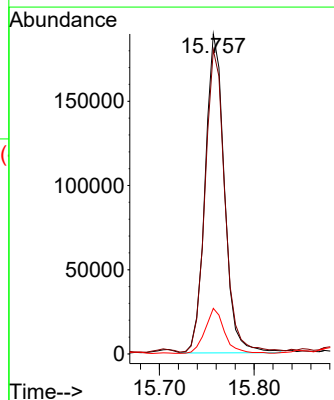
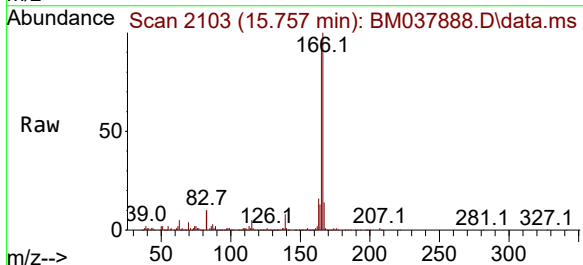
Instrument :
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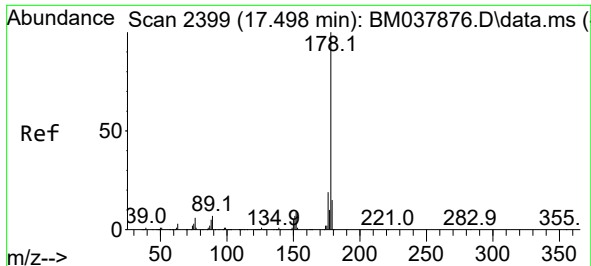
Tgt Ion:168 Resp: 236037
Ion Ratio Lower Upper
168 100
139 34.9 28.1 42.1



#61
Fluorene
Concen: 4.871 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

Tgt Ion:166 Resp: 267499
Ion Ratio Lower Upper
166 100
165 95.0 77.2 115.8
167 14.3 10.4 15.6

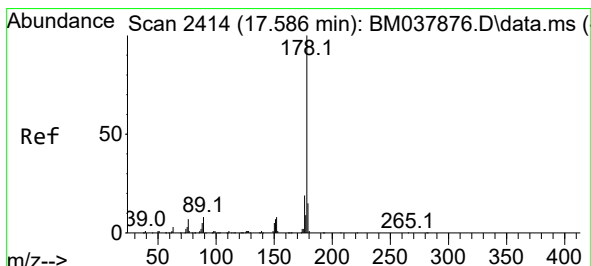
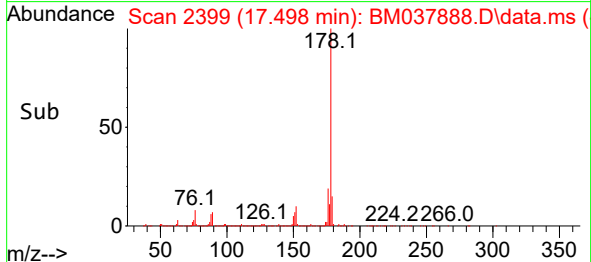
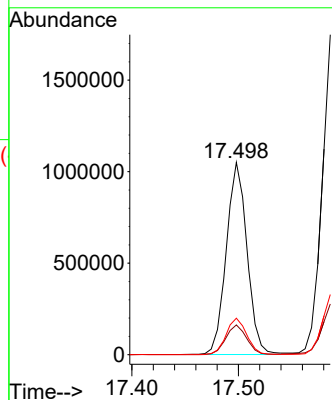
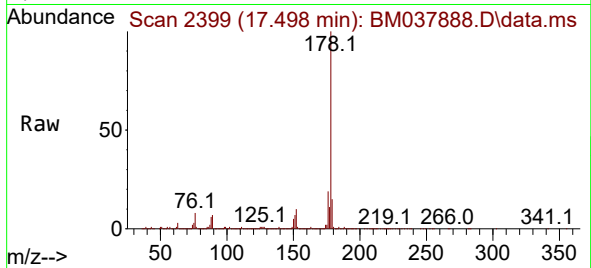




#72
Phenanthrene
Concen: 17.637 ng/ul
RT: 17.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

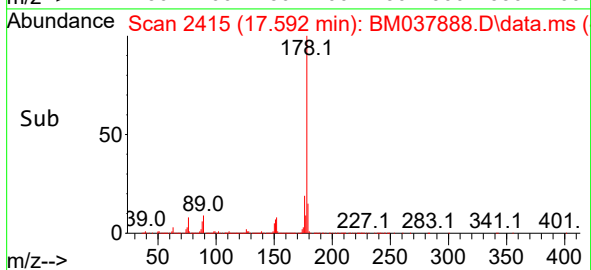
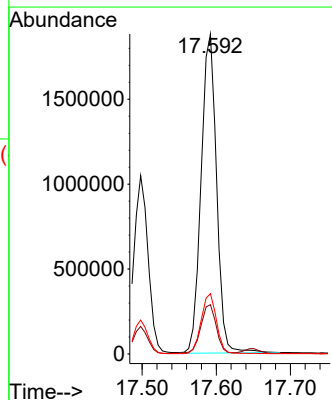
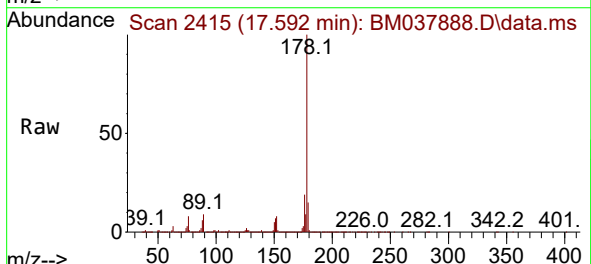
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ClientSampleId :
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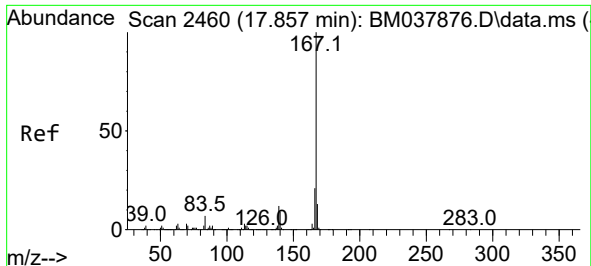
Tgt Ion:178 Resp: 1420831
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 19.0 15.4 23.0



#74
Anthracene
Concen: 33.292 ng/ul
RT: 17.592 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM037888.D
Acq: 08 Dec 2022 15:59

Tgt Ion:178 Resp: 2725519
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 18.9 15.0 22.6

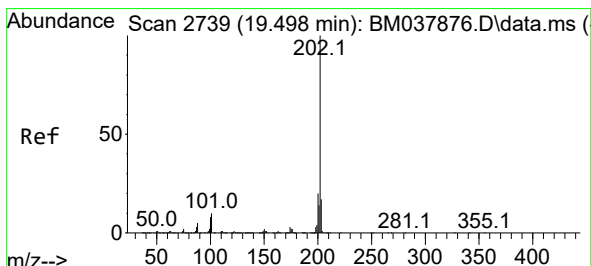
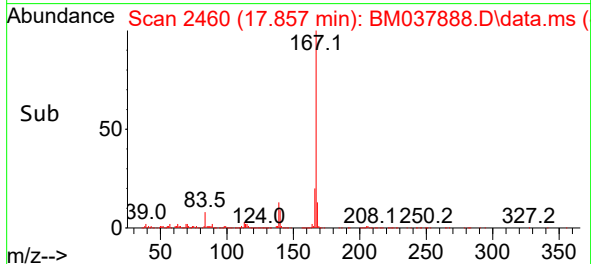
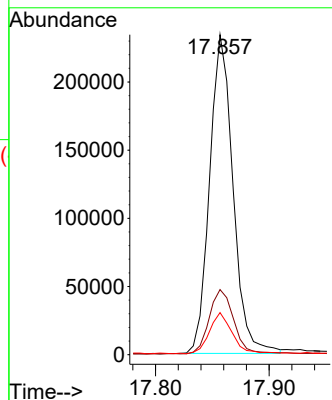
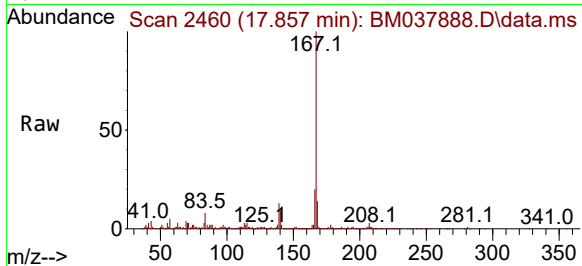




#77
 Carbazole
 Concen: 4.722 ng/ul
 RT: 17.857 min Scan# 2460
 Delta R.T. 0.000 min
 Lab File: BM037888.D
 Acq: 08 Dec 2022 15:59

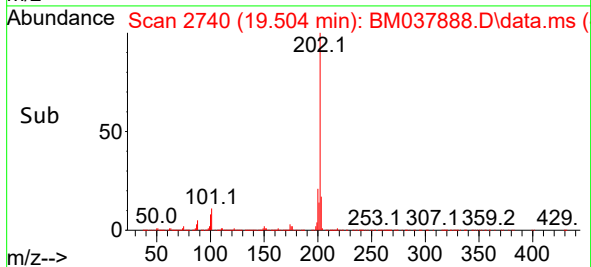
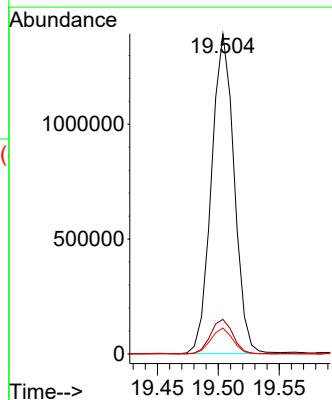
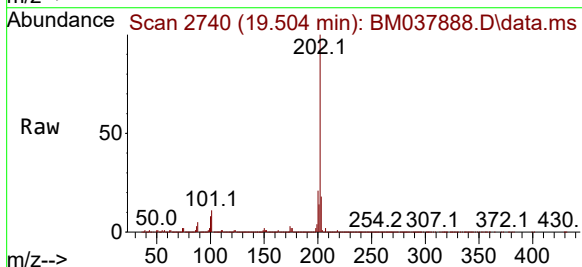
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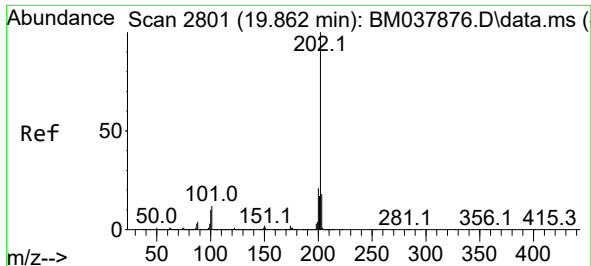
Tgt Ion:167 Resp: 334927
 Ion Ratio Lower Upper
 167 100
 166 20.4 16.7 25.1
 139 13.2 9.8 14.6



#80
 Fluoranthene
 Concen: 25.503 ng/ul
 RT: 19.504 min Scan# 2740
 Delta R.T. 0.000 min
 Lab File: BM037888.D
 Acq: 08 Dec 2022 15:59

Tgt Ion:202 Resp: 1807326
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.6 13.0
 100 8.1 6.6 10.0

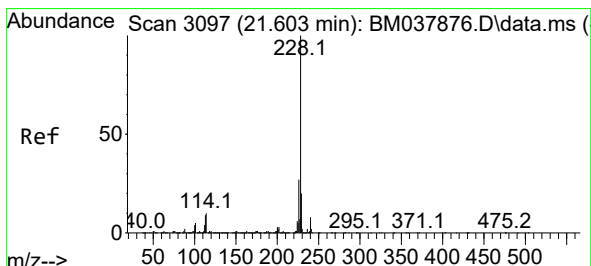
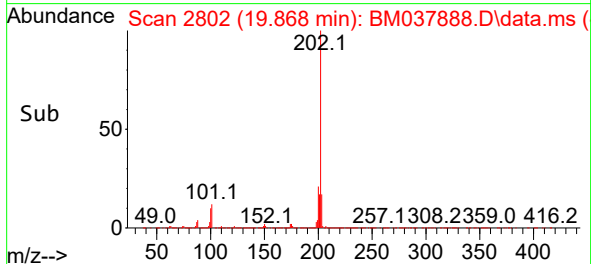
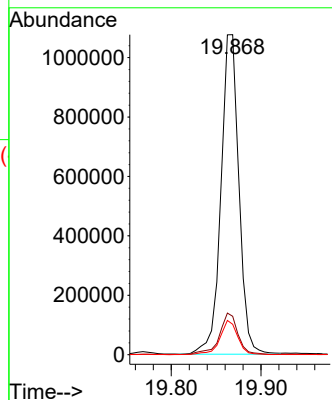
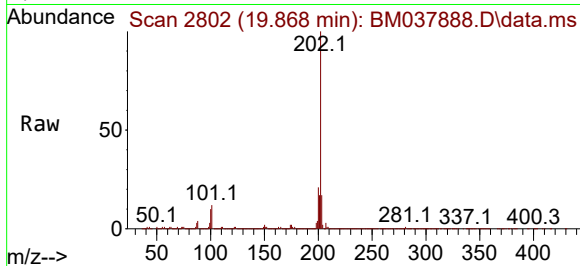




#82
 Pyrene
 Concen: 20.300 ng/ul
 RT: 19.868 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM037888.D
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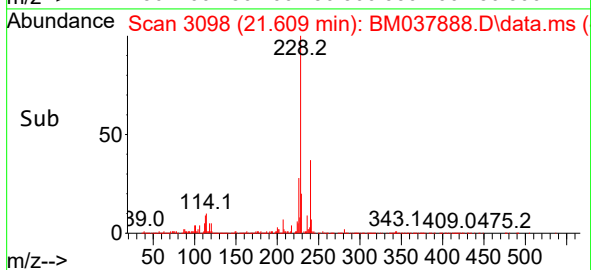
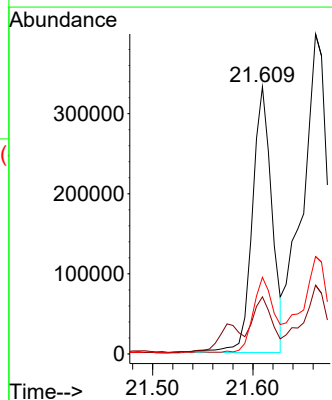
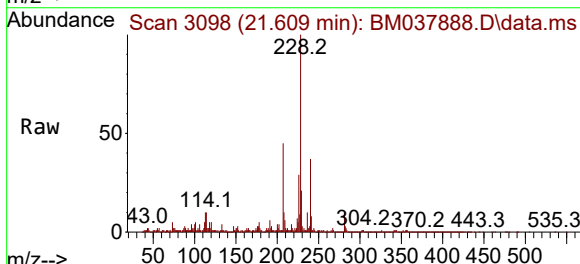
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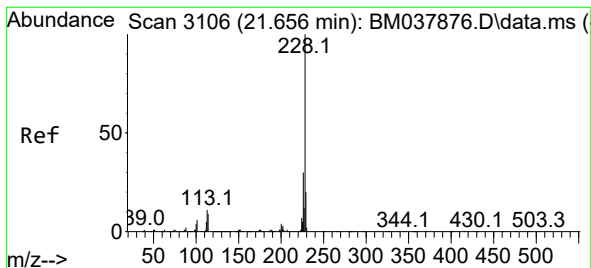
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 Ion Ratio Lower Upper
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 101 12.0 10.0 15.0
 100 9.5 7.9 11.9



#85
 Benzo(a)anthracene
 Concen: 6.706 ng/ul
 RT: 21.609 min Scan# 3098
 Delta R.T. 0.000 min
 Lab File: BM037888.D
 Acq: 08 Dec 2022 15:59

Tgt Ion:228 Resp: 451313
 Ion Ratio Lower Upper
 228 100
 229 21.4 15.5 23.3
 226 28.7 21.8 32.8





#87

Chrysene

Concen: 10.795 ng/ul

RT: 21.662 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

Instrument :

BNA_M

ClientSampleId :

DBXL8

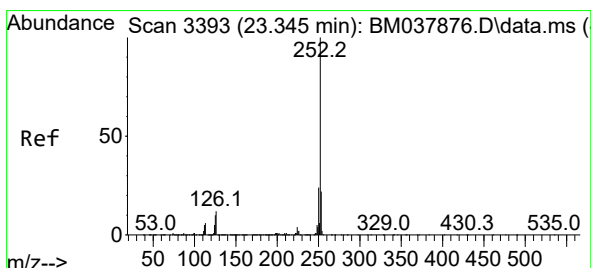
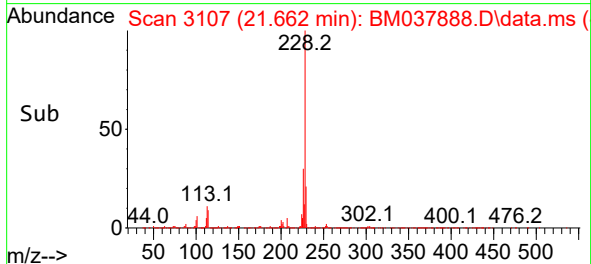
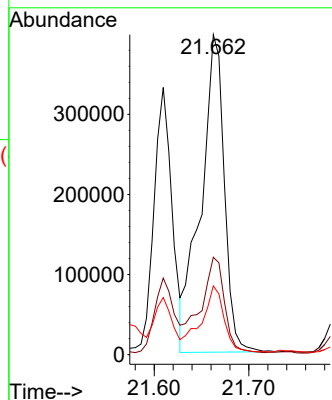
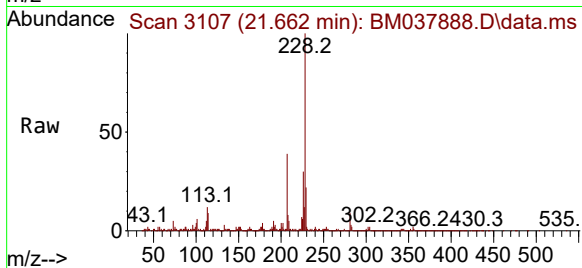
Tgt Ion:228 Resp: 681595

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 21.5 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 17.227 ng/ul

RT: 23.351 min Scan# 3394

Delta R.T. 0.006 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

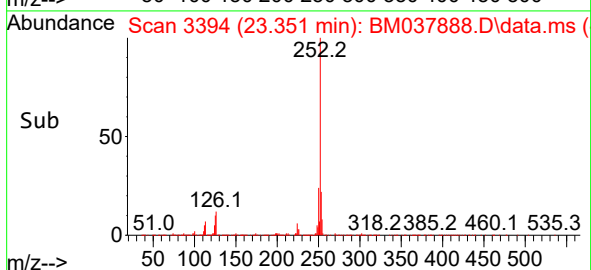
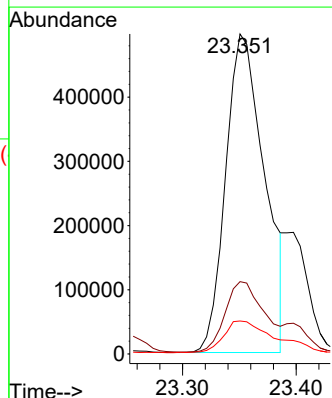
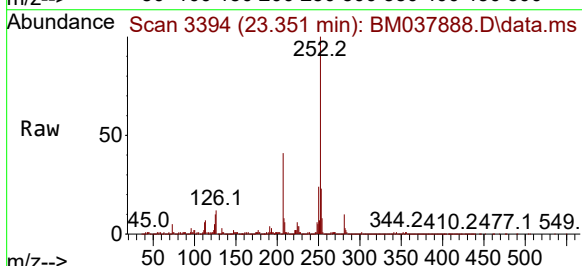
Tgt Ion:252 Resp: 1180809

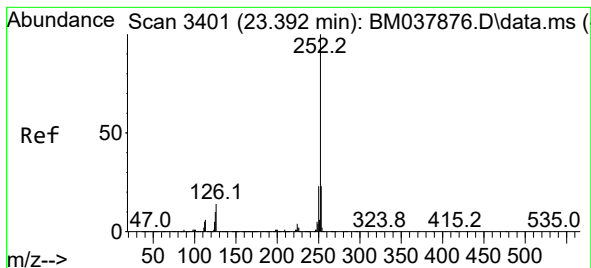
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.3 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 17.775 ng/ul

RT: 23.351 min Scan# 31

Delta R.T. -0.047 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

Instrument :

BNA_M

ClientSampleId :

DBXL8

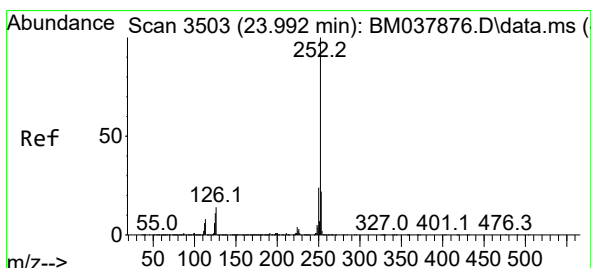
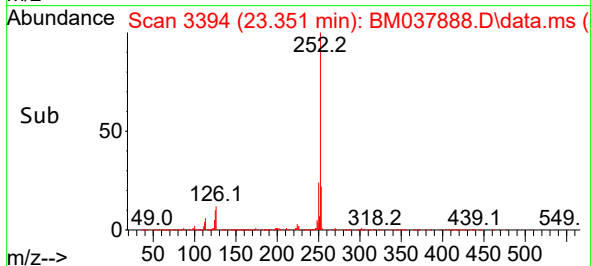
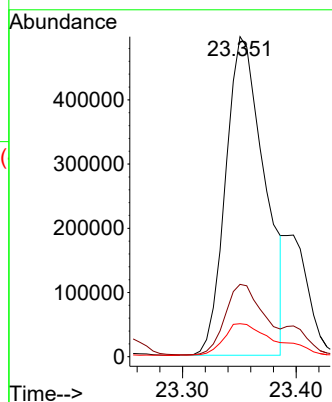
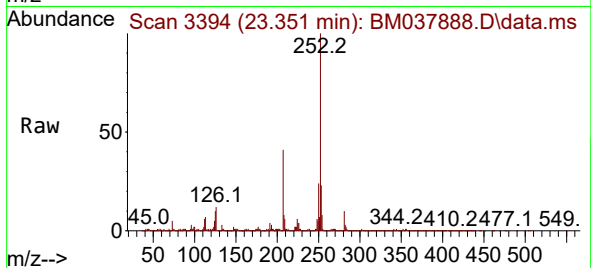
Tgt Ion:252 Resp: 1180809

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 10.3 8.1 12.1



#93

Benzo(a)pyrene

Concen: 8.427 ng/ul

RT: 23.998 min Scan# 3504

Delta R.T. 0.000 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

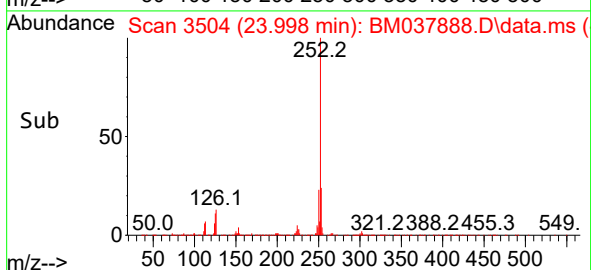
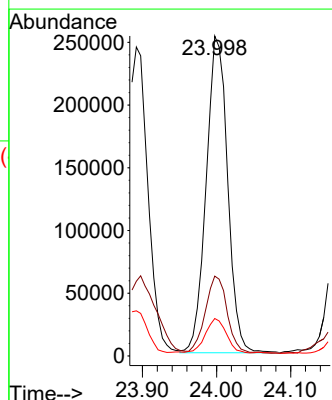
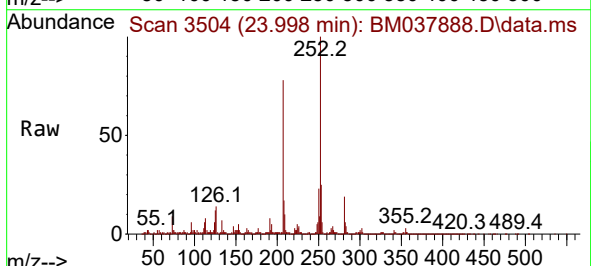
Tgt Ion:252 Resp: 507982

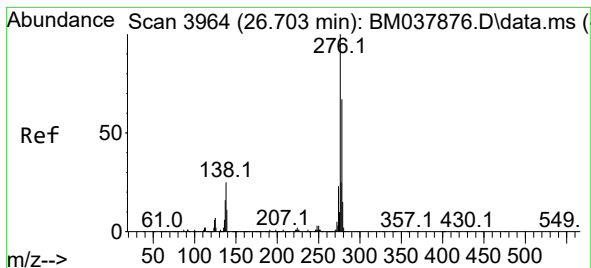
Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

125 11.7 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.763 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. 0.000 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

Instrument :

BNA_M

ClientSampleId :

DBXL8

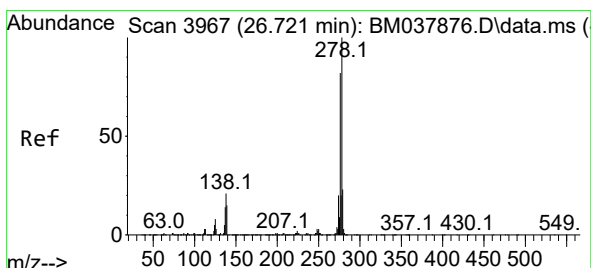
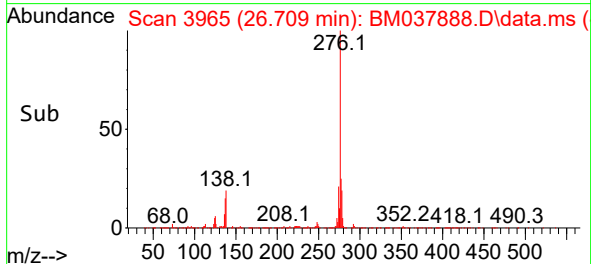
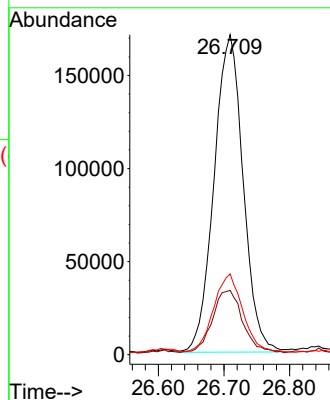
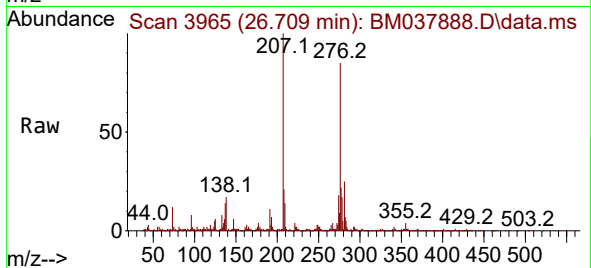
Tgt Ion:276 Resp: 525017

Ion Ratio Lower Upper

276 100

138 20.1 19.3 28.9

277 25.2 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.874 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. -0.017 min

Lab File: BM037888.D

Acq: 08 Dec 2022 15:59

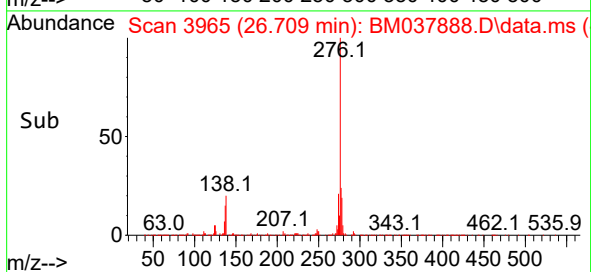
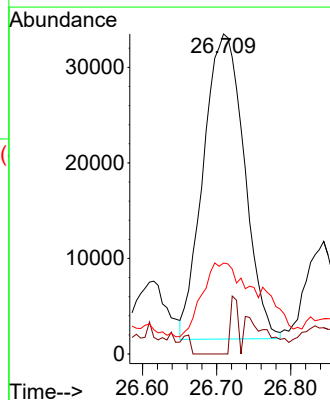
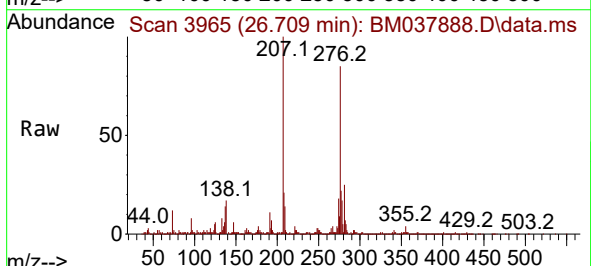
Tgt Ion:278 Resp: 122631

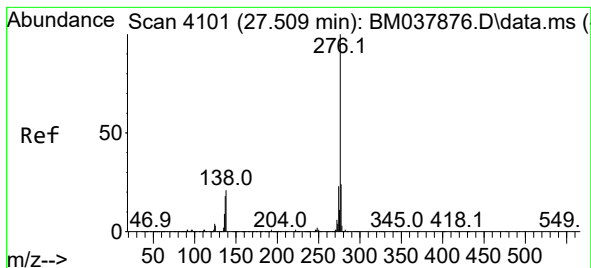
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

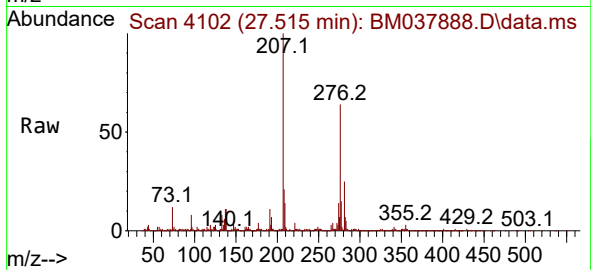
279 28.4 19.8 29.6





#96
 Benzo(g,h,i)perylene
 Concen: 6.857 ng/ul
 RT: 27.515 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BM037888.D
 Acq: 08 Dec 2022 15:59

Instrument :
 BNA_M
 ClientSampleId :
 DBXL8



Tgt Ion:276 Resp: 425033
 Ion Ratio Lower Upper
 276 100
 138 17.9 17.1 25.7
 277 23.2 18.2 27.4

