

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037893.D
 Acq On : 08 Dec 2022 19:04
 Operator : CG/JU
 Sample : N5832-17 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL2

Quant Time: Dec 08 22:41:18 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	272508	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1017138	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	570166	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.462	188	1128949	20.000	ng/ul	0.00
79) Chrysene-d12	21.633	240	983869	20.000	ng/ul	0.00
88) Perylene-d12	24.115	264	1276395	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	2019	0.336	ng/uL	0.00
4) Pyridine-d5	3.852	84	163	0.009	ng/ul	-0.01
7) Phenol-d5	7.240	99	42832	1.934	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	25682	1.905	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	34393	1.893	ng/ul	0.00
15) 4-Methylphenol-d8	8.798	113	33364	1.930	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	17365	2.156	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	16473	1.952	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	31492	1.965	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	25569	1.156	ng/ul	0.00
46) Dimethylphthalate-d6	14.121	166	99466	2.447	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	113429	2.283	ng/ul	0.00
54) 4-Nitrophenol-d4	14.921	143	13773	1.988	ng/ul	0.01
60) Fluorene-d10	15.704	176	92523	2.555	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.839	200	4844	0.803	ng/ul	0.02
73) Anthracene-d10	17.462	188	1128949	21.427	ng/ul	-0.09
81) Pyrene-d10	19.845	212	149663	2.532	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.956	264	164007	2.573	ng/ul	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.957	128	1648111	30.026	ng/ul	99
32) 4-Chloroaniline	10.957	127	210902	9.558	ng/ul#	1
36) 2-Methylnaphthalene	12.557	142	1781776	50.048	ng/ul	97
37) 1-Methylnaphthalene	12.775	142	740424	20.339	ng/ul	100
43) 1,1'-Biphenyl	13.557	154	857491	18.710	ng/ul	100
50) Acenaphthylene	14.445	152	544359	9.965	ng/ul#	96
52) Acenaphthene	14.786	153	6613416	175.029	ng/ul	99
56) Dibenzofuran	15.121	168	8180484	158.578	ng/ul	94
61) Fluorene	15.774	166	11181628	265.786	ng/ul	99
67) N-Nitrosodiphenylamine	15.963	169	53378	1.567	ng/ul#	1
71) Pentachlorophenol	17.121	266	17687	2.154	ng/ul	93
72) Phenanthrene	17.610	178	3414637	55.386	ng/ul	94
74) Anthracene	17.610	178	3414637	54.500	ng/ul#	93
77) Carbazole	17.886	167	19161096	352.992	ng/ul#	92
80) Fluoranthene	19.521	202	3948968	56.616	ng/ul#	95
82) Pyrene	19.886	202	19233397	264.951	ng/ul#	93
85) Benzo(a)anthracene	21.615	228	7036332	106.229	ng/ul	97
87) Chrysene	21.674	228	8052308	129.568	ng/ul	98
90) Benzo(b)fluoranthene	23.362	252	7180009	90.735	ng/ul	98
91) Benzo(k)fluoranthene	23.362	252	7180009	93.623	ng/ul	98
93) Benzo(a)pyrene	24.009	252	3393717	48.770	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.709	276	1708902	19.068	ng/ul	97
95) Dibenzo(a,h)anthracene	26.709	278	472684	6.256	ng/ul#	85
96) Benzo(g,h,i)perylene	27.521	276	1192486	16.666	ng/ul	97

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QLast Update : Thu Dec 08 01:49:06 2022
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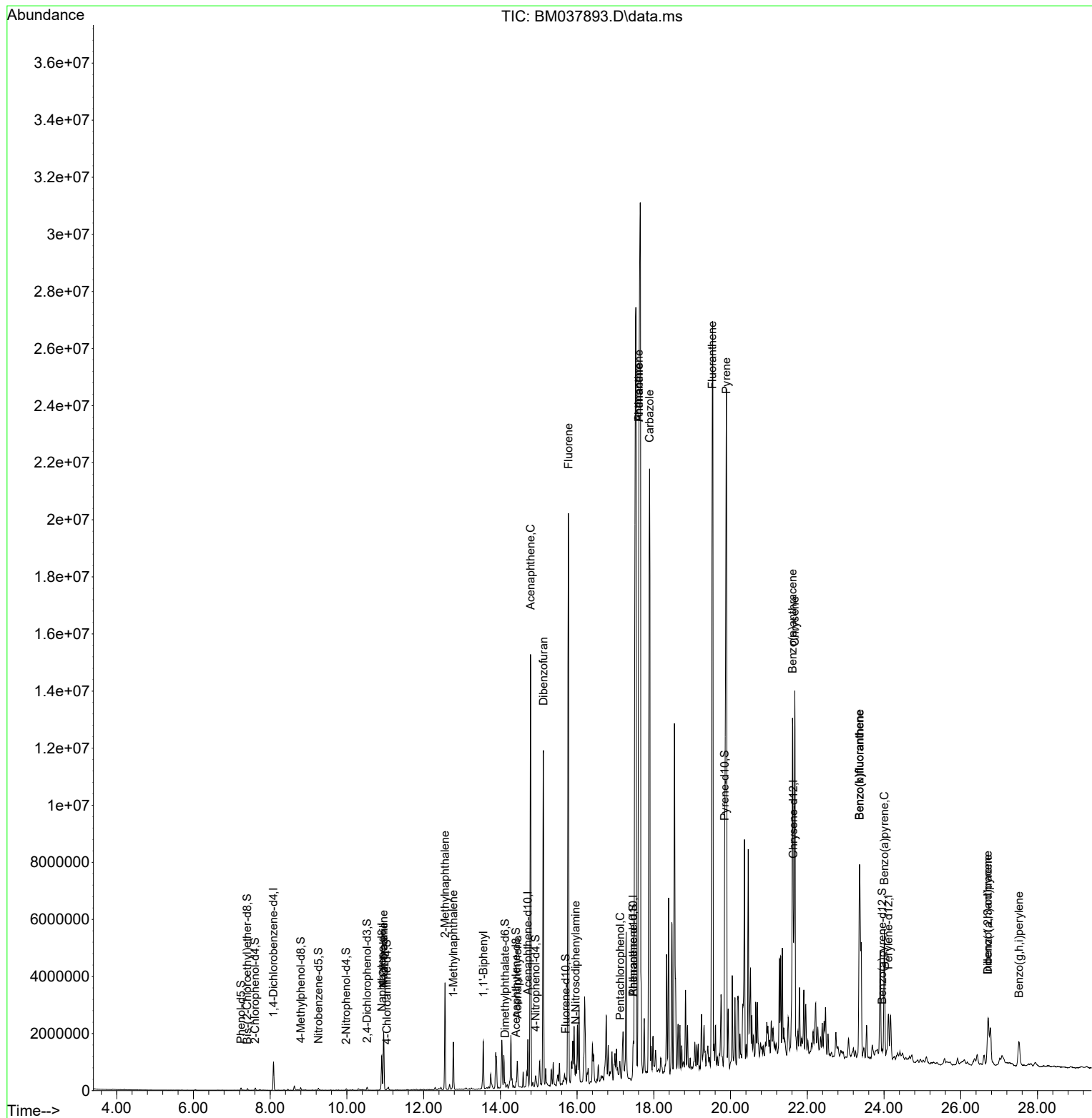
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

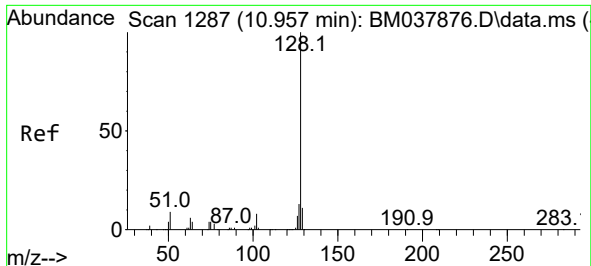
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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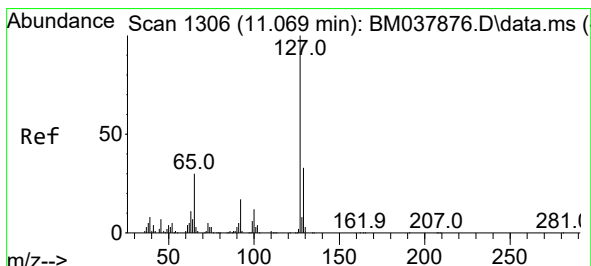
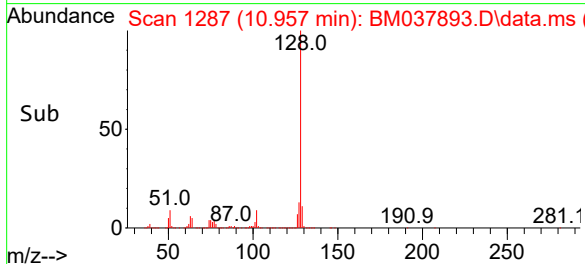
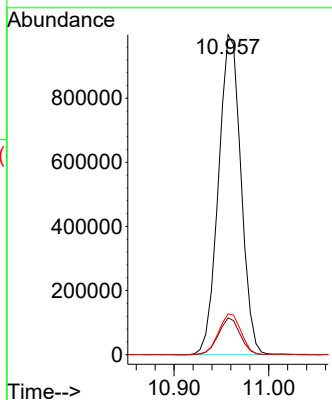
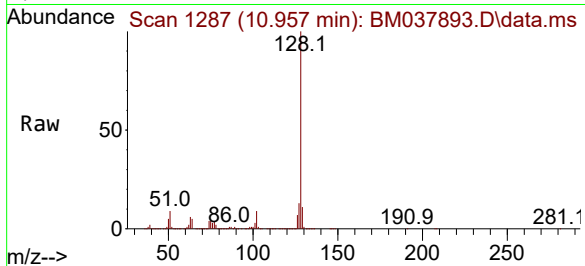




#30
Naphthalene
Concen: 30.026 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

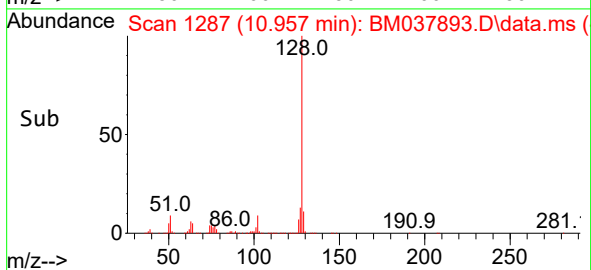
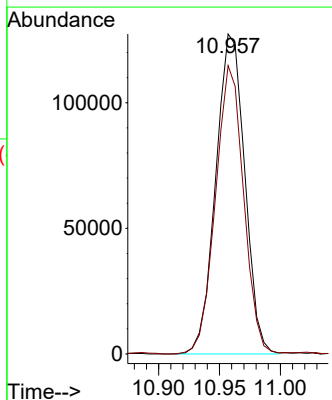
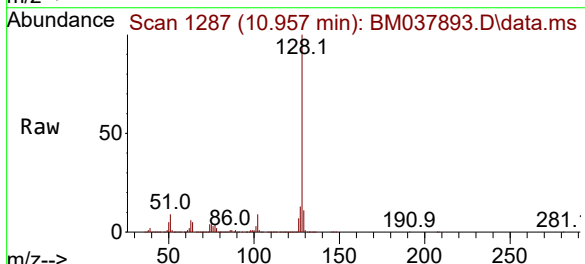
Instrument :
BNA_M
ClientSampleId :
DBXL2

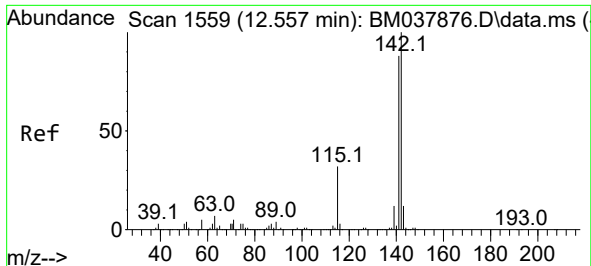
Tgt Ion:128 Resp: 1648111
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 12.8 10.4 15.6



#32
4-Chloroaniline
Concen: 9.558 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.112 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:127 Resp: 210902
Ion Ratio Lower Upper
127 100
129 90.1 25.3 37.9#

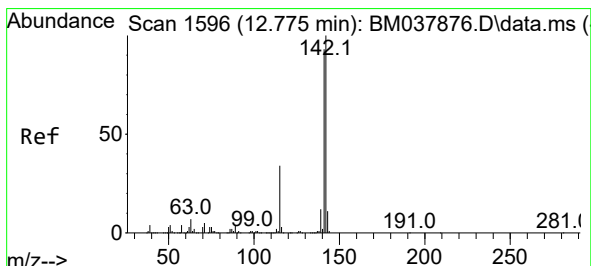
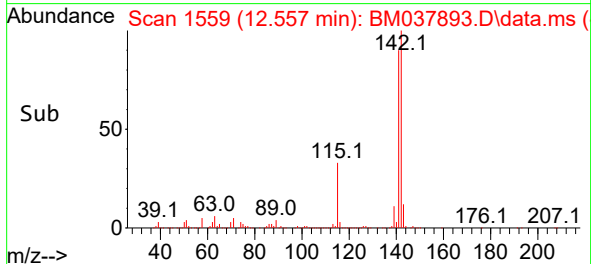
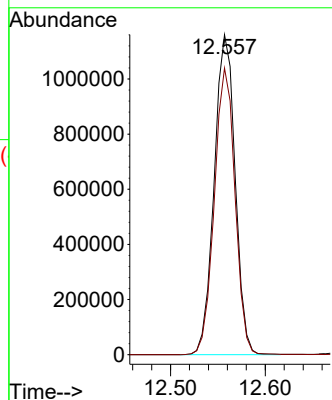
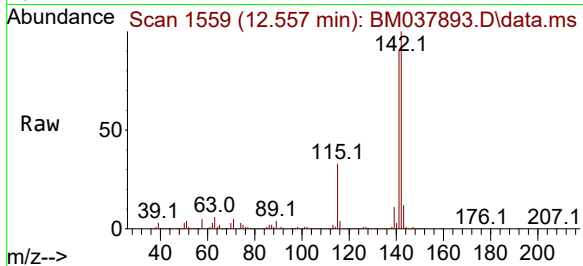




#36
2-Methylnaphthalene
Concen: 50.048 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

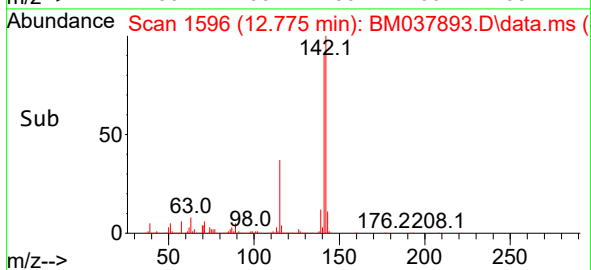
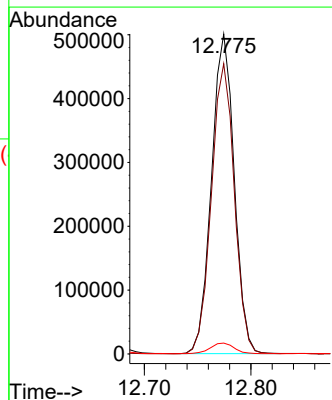
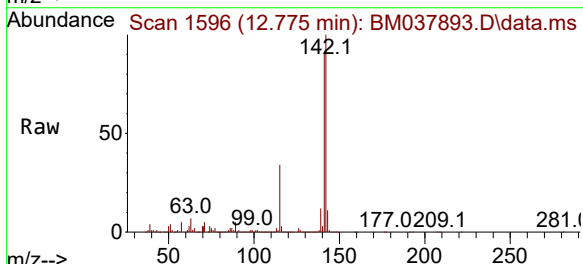
Instrument :
BNA_M
ClientSampleId :
DBXL2

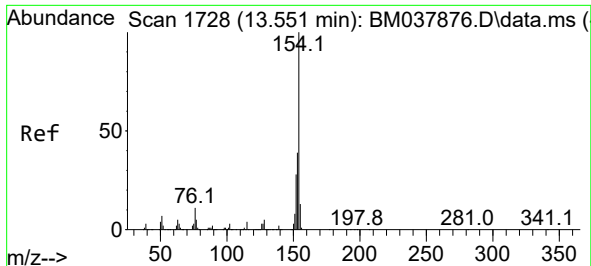
Tgt Ion:142 Resp: 1781776
Ion Ratio Lower Upper
142 100
141 89.5 69.4 104.0



#37
1-Methylnaphthalene
Concen: 20.339 ng/ul
RT: 12.775 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:142 Resp: 740424
Ion Ratio Lower Upper
142 100
141 90.7 72.4 108.6
116 3.4 2.9 4.3

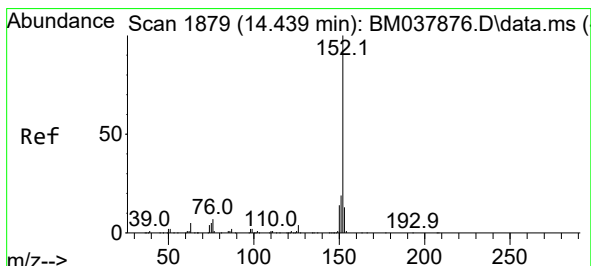
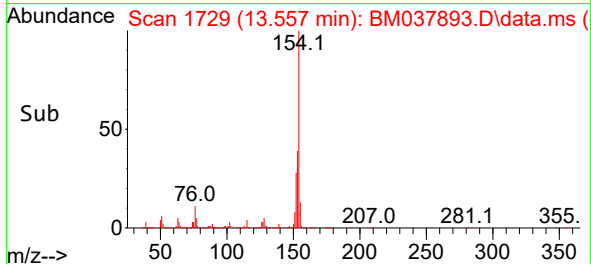
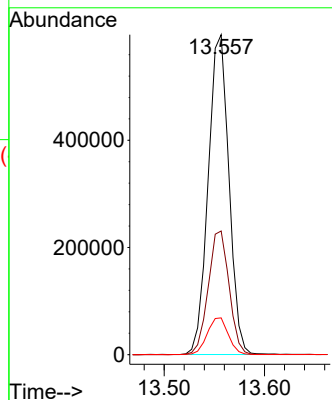
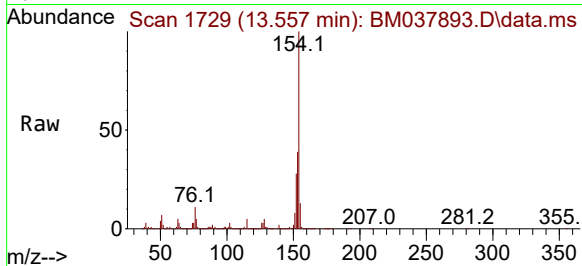




#43
1,1'-Biphenyl
Concen: 18.710 ng/ul
RT: 13.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

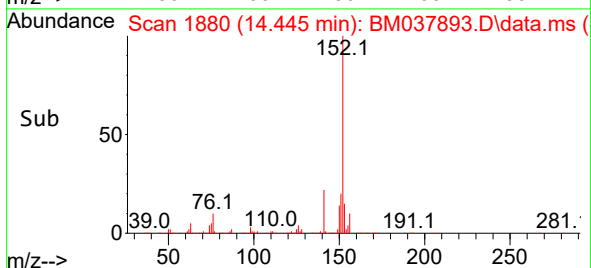
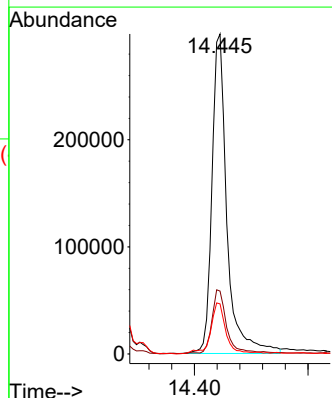
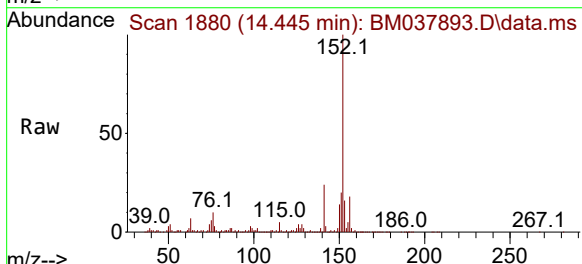
Instrument :
BNA_M
ClientSampleId :
DBXL2

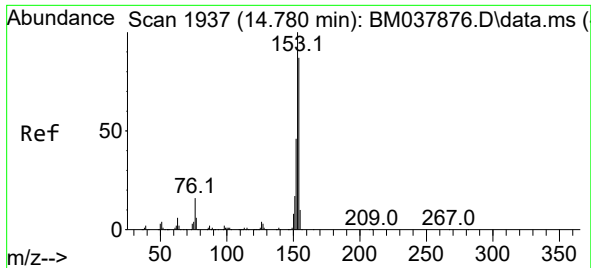
Tgt Ion:154 Resp: 857491
Ion Ratio Lower Upper
154 100
153 38.7 31.2 46.8
76 11.5 9.3 13.9



#50
Acenaphthylene
Concen: 9.965 ng/ul
RT: 14.445 min Scan# 1880
Delta R.T. 0.000 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:152 Resp: 544359
Ion Ratio Lower Upper
152 100
151 19.7 15.3 22.9
153 15.7 10.2 15.4#

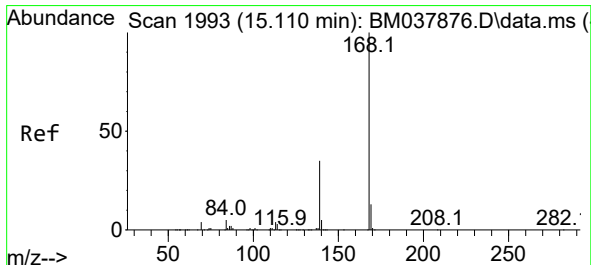
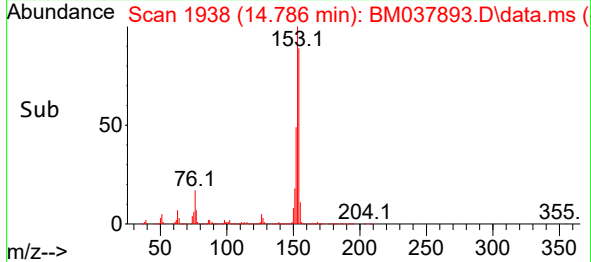
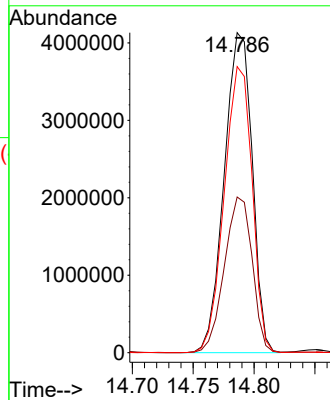
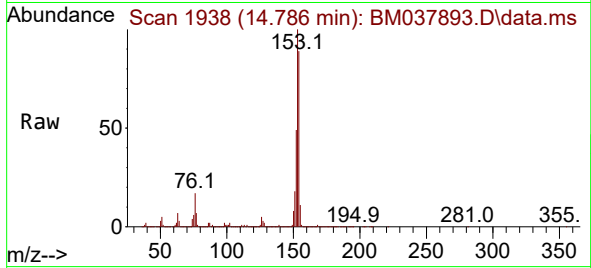




#52
Acenaphthene
Concen: 175.029 ng/ul
RT: 14.786 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

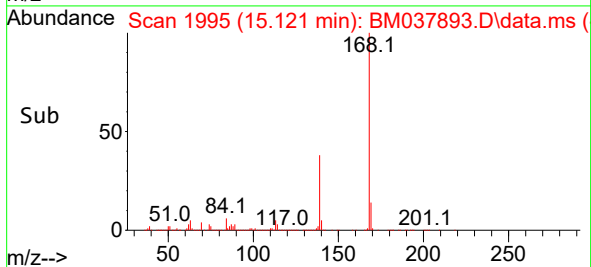
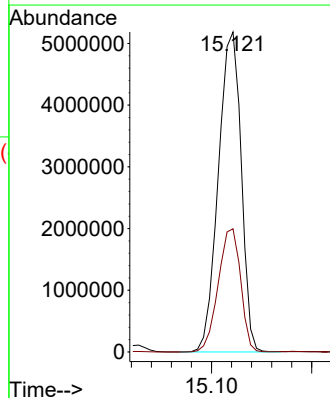
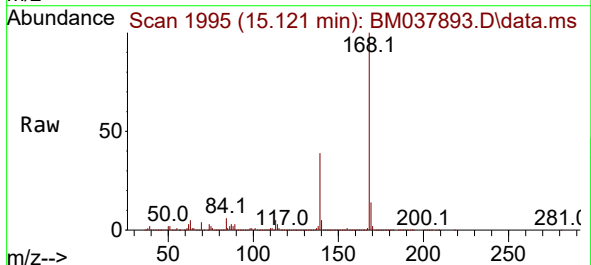
Instrument :
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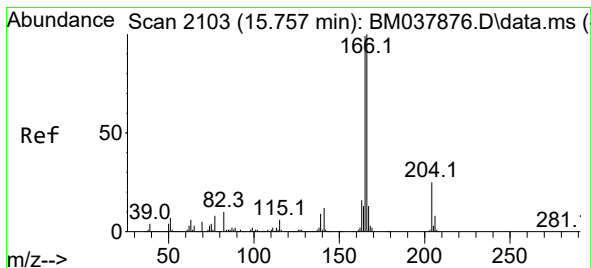
Tgt Ion:153 Resp: 6613416
Ion Ratio Lower Upper
153 100
152 48.6 38.2 57.4
154 89.4 71.4 107.0



#56
Dibenzofuran
Concen: 158.578 ng/ul
RT: 15.121 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:168 Resp: 8180484
Ion Ratio Lower Upper
168 100
139 38.5 28.1 42.1





#61

Fluorene

Concen: 265.786 ng/ul

RT: 15.774 min Scan# 2106

Delta R.T. 0.012 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

Instrument :

BNA_M

ClientSampleId :

DBXL2

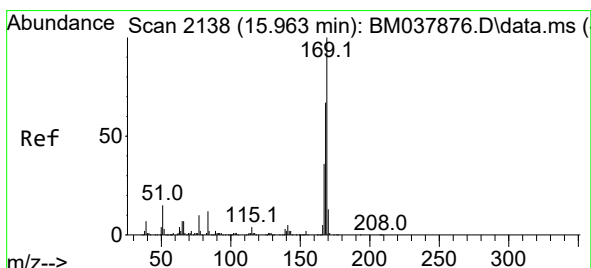
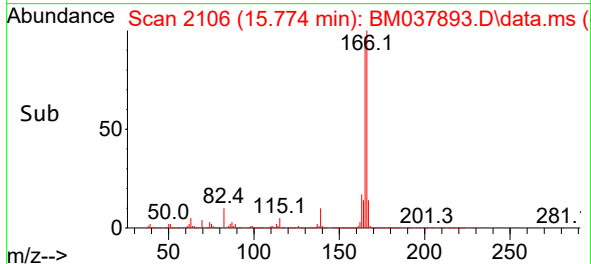
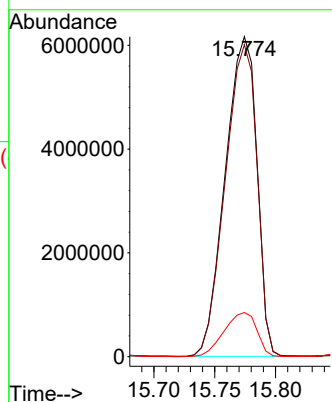
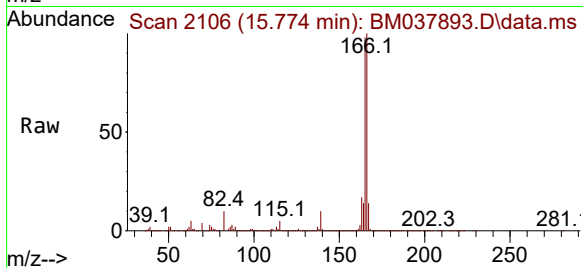
Tgt Ion:166 Resp:11181628

Ion Ratio Lower Upper

166 100

165 97.5 77.2 115.8

167 13.8 10.4 15.6



#67

N-Nitrosodiphenylamine

Concen: 1.567 ng/ul

RT: 15.963 min Scan# 2138

Delta R.T. 0.000 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

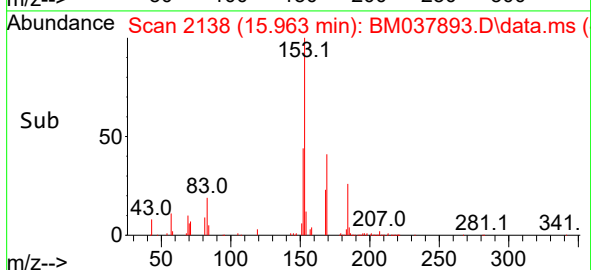
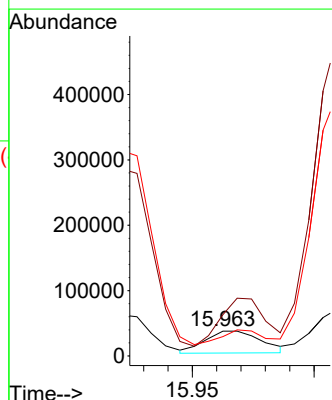
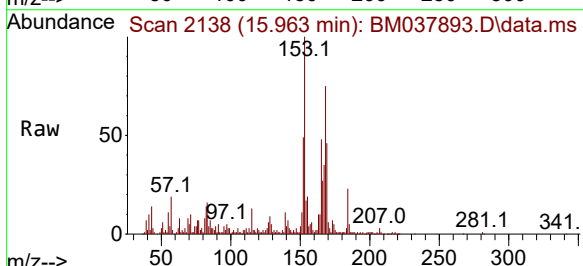
Tgt Ion:169 Resp: 53378

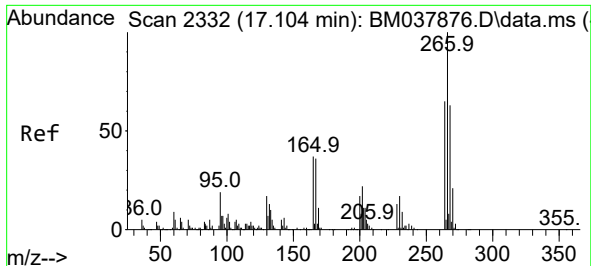
Ion Ratio Lower Upper

169 100

168 165.6 53.8 80.8#

167 77.9 29.3 43.9#

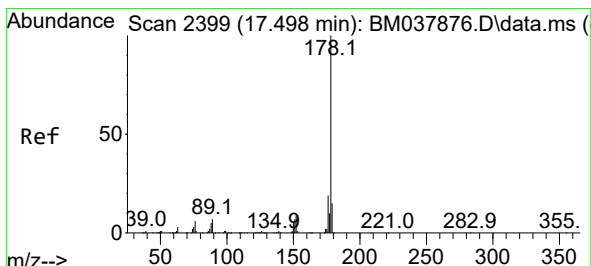
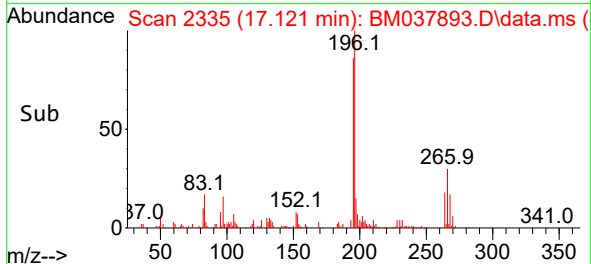
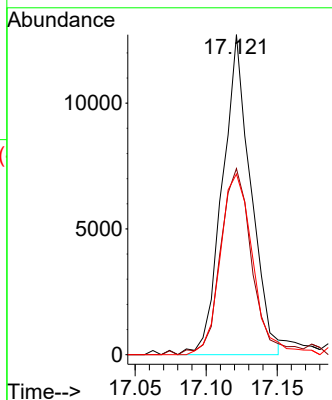
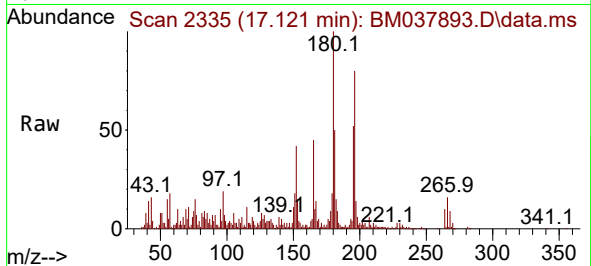




#71
 Pentachlorophenol
 Concen: 2.154 ng/ul
 RT: 17.121 min Scan# 2418
 Delta R.T. 0.018 min
 Lab File: BM037893.D
 Acq: 08 Dec 2022 19:04

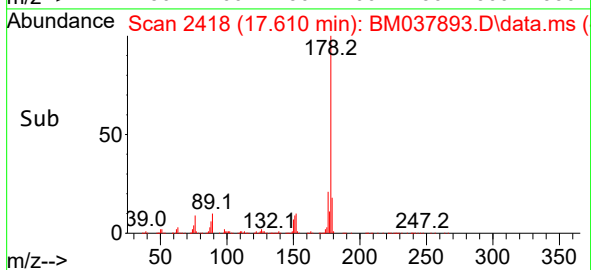
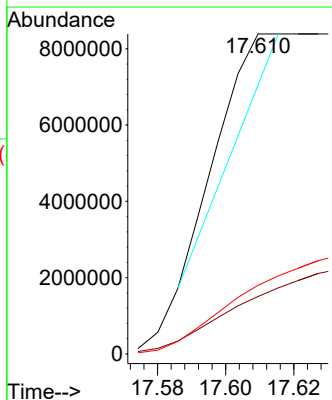
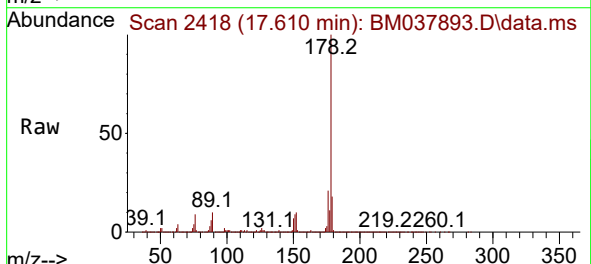
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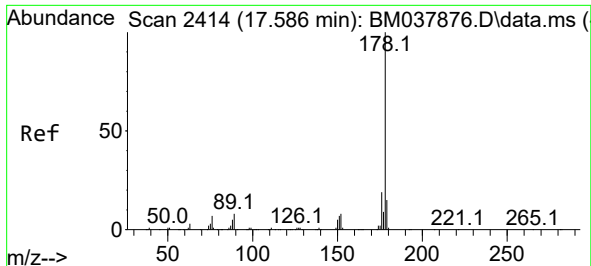
Tgt Ion:266 Resp: 17687
 Ion Ratio Lower Upper
 266 100
 264 58.2 50.1 75.1
 268 56.4 50.6 75.8



#72
 Phenanthrene
 Concen: 55.386 ng/ul
 RT: 17.610 min Scan# 2418
 Delta R.T. 0.112 min
 Lab File: BM037893.D
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Tgt Ion:178 Resp: 3414637
 Ion Ratio Lower Upper
 178 100
 179 18.0 12.2 18.2
 176 21.5 15.4 23.0

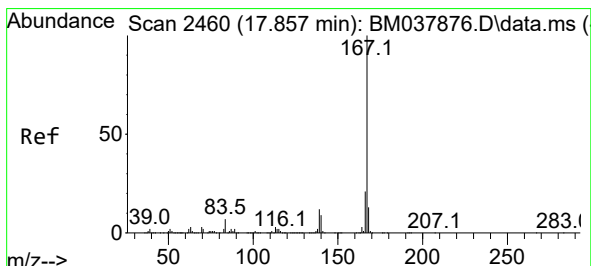
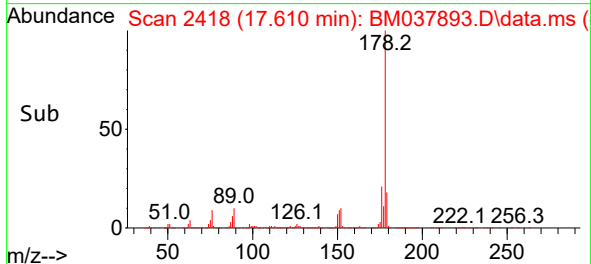
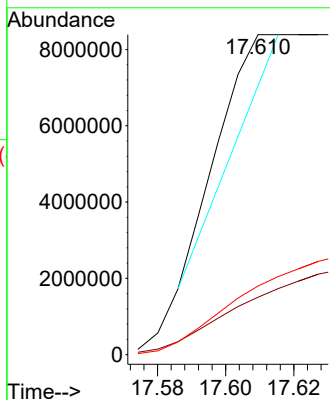
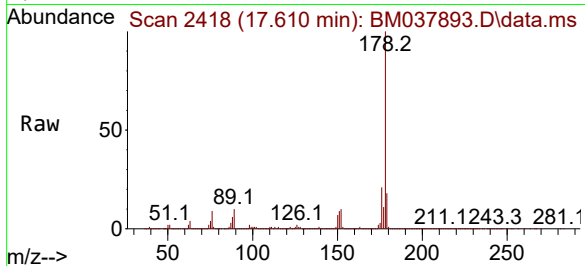




#74
 Anthracene
 Concen: 54.500 ng/ul
 RT: 17.610 min Scan# 2414
 Delta R.T. 0.018 min
 Lab File: BM037893.D
 Acq: 08 Dec 2022 19:04

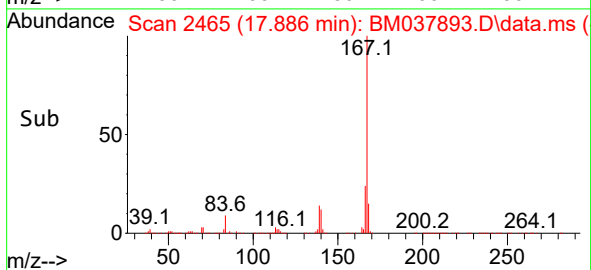
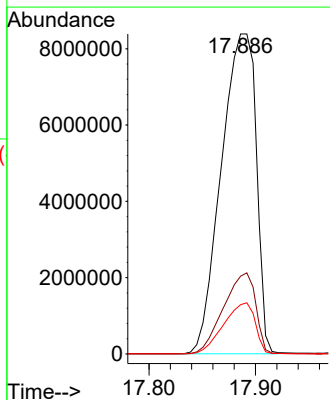
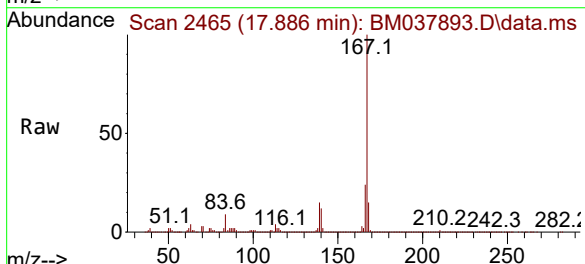
Instrument :
 BNA_M
 ClientSampleId :
 DBXL2

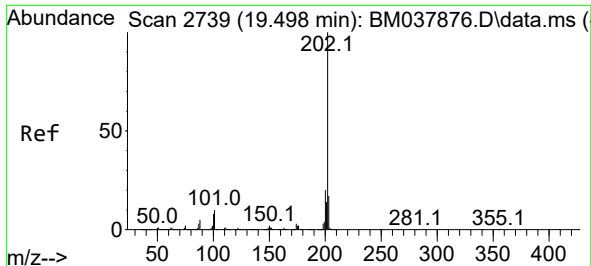
Tgt Ion:178 Resp: 3414637
 Ion Ratio Lower Upper
 178 100
 179 18.0 11.8 17.8#
 176 21.5 15.0 22.6



#77
 Carbazole
 Concen: 352.992 ng/ul
 RT: 17.886 min Scan# 2465
 Delta R.T. 0.029 min
 Lab File: BM037893.D
 Acq: 08 Dec 2022 19:04

Tgt Ion:167 Resp:19161096
 Ion Ratio Lower Upper
 167 100
 166 24.3 16.7 25.1
 139 15.4 9.8 14.6#

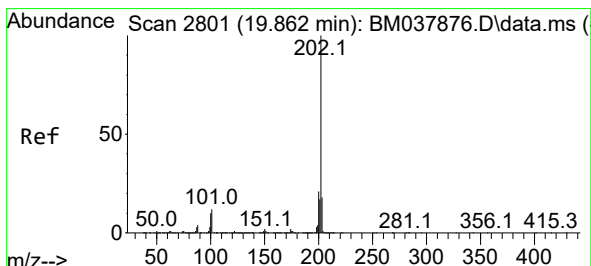
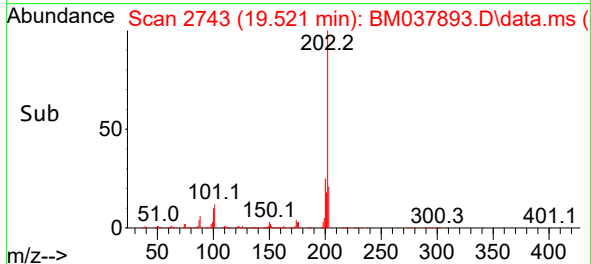
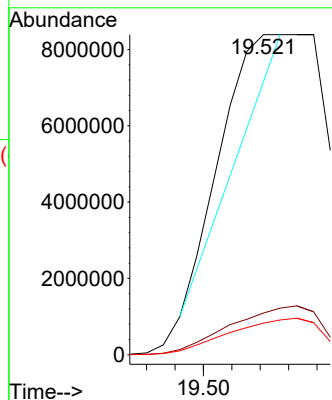
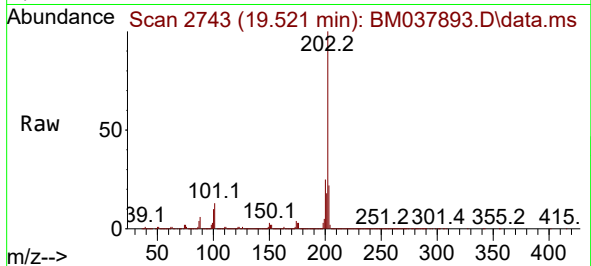




#80
Fluoranthene
Concen: 56.616 ng/ul
RT: 19.521 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

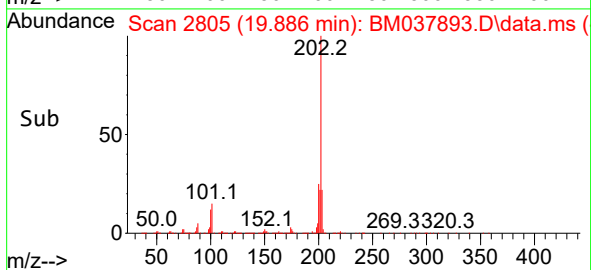
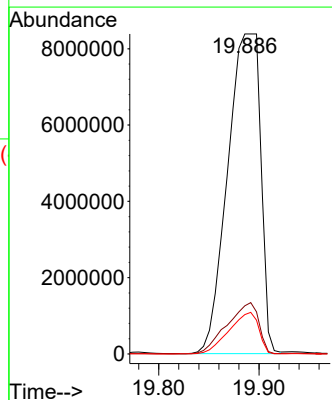
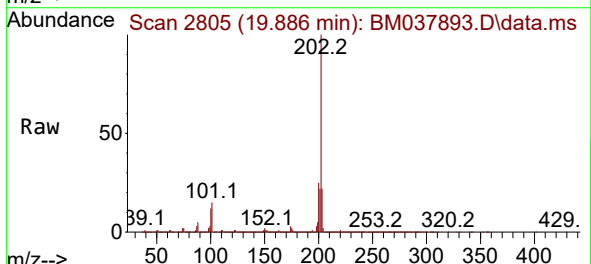
Instrument :
BNA_M
ClientSampleId :
DBXL2

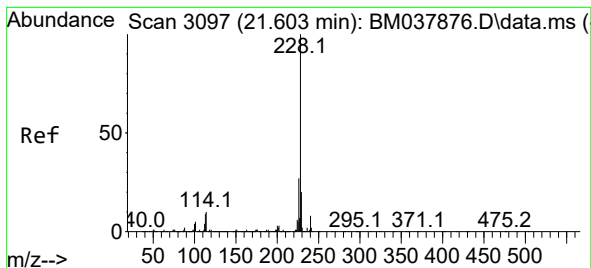
Tgt Ion:202 Resp: 3948968
Ion Ratio Lower Upper
202 100
101 13.0 8.6 13.0#
100 9.8 6.6 10.0



#82
Pyrene
Concen: 264.951 ng/ul
RT: 19.886 min Scan# 2805
Delta R.T. 0.018 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:202 Resp:19233397
Ion Ratio Lower Upper
202 100
101 15.1 10.0 15.0#
100 12.3 7.9 11.9#





#85

Benzo(a)anthracene

Concen: 106.229 ng/ul

RT: 21.615 min Scan# 3099

Delta R.T. 0.006 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

Instrument :

BNA_M

ClientSampleId :

DBXL2

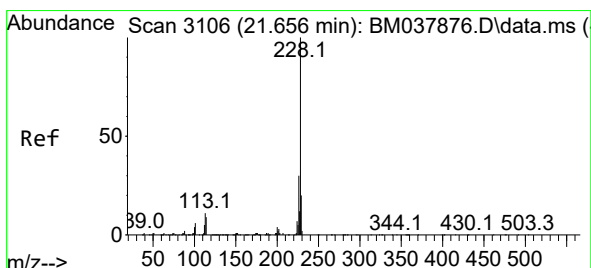
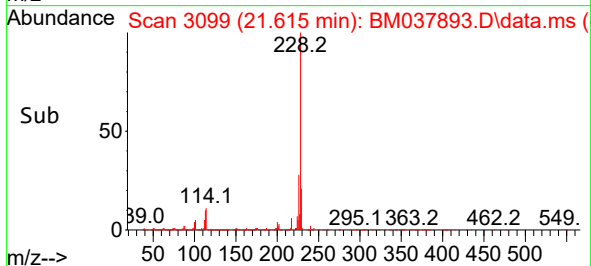
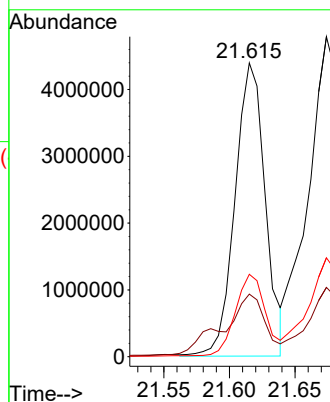
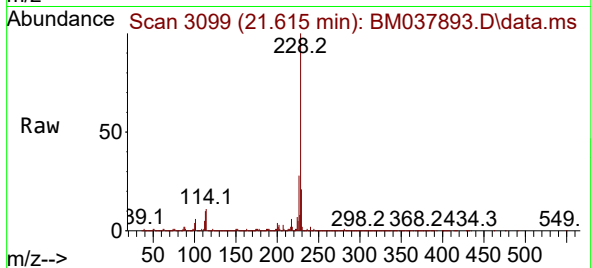
Tgt Ion:228 Resp: 7036332

Ion Ratio Lower Upper

228 100

229 21.3 15.5 23.3

226 28.0 21.8 32.8



#87

Chrysene

Concen: 129.568 ng/ul

RT: 21.674 min Scan# 3109

Delta R.T. 0.012 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

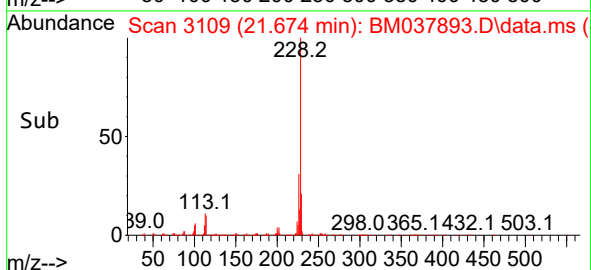
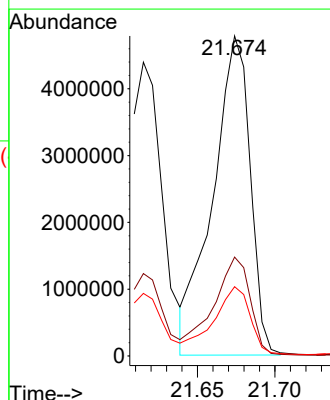
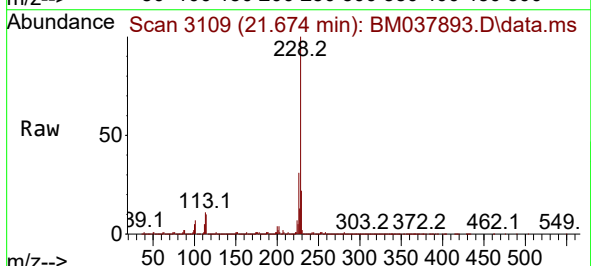
Tgt Ion:228 Resp: 8052308

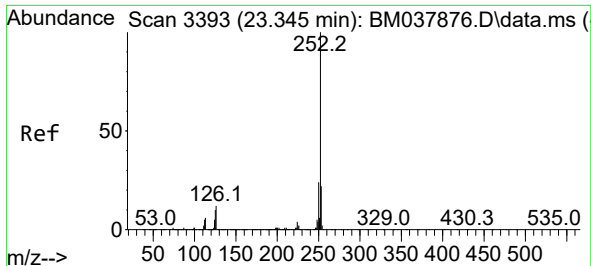
Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 21.7 15.6 23.4

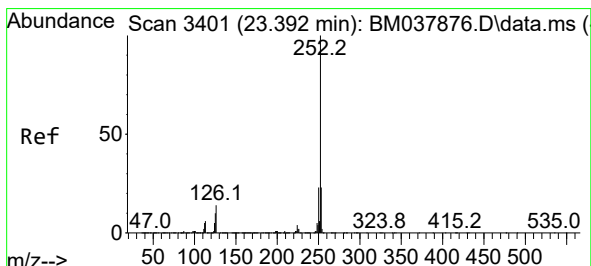
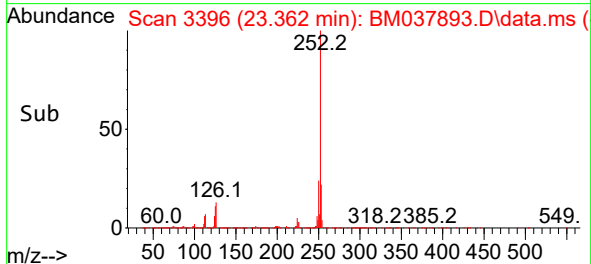
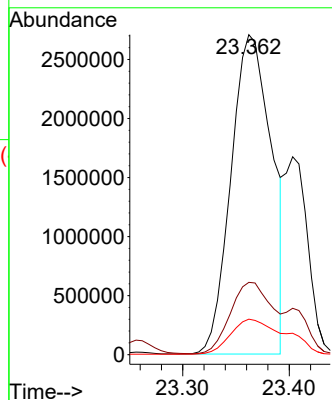
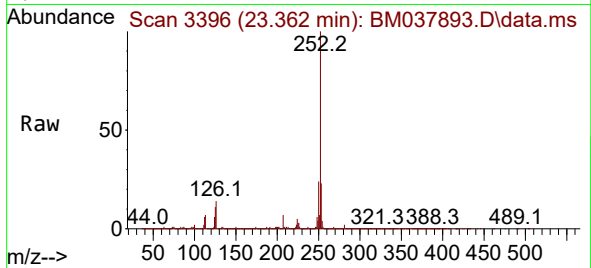




#90
Benzo(b)fluoranthene
Concen: 90.735 ng/ul
RT: 23.362 min Scan# 3396
Delta R.T. 0.018 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

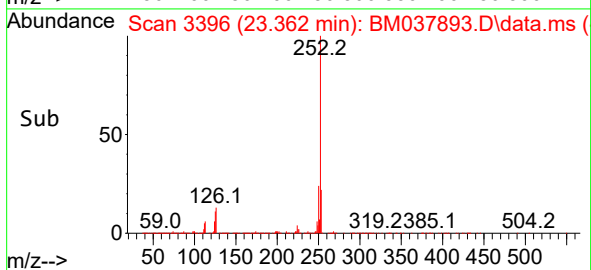
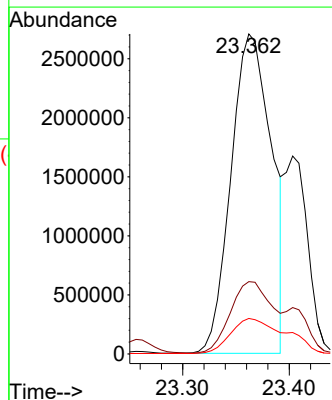
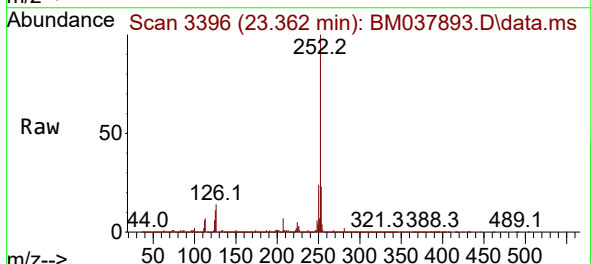
Instrument :
BNA_M
ClientSampleId :
DBXL2

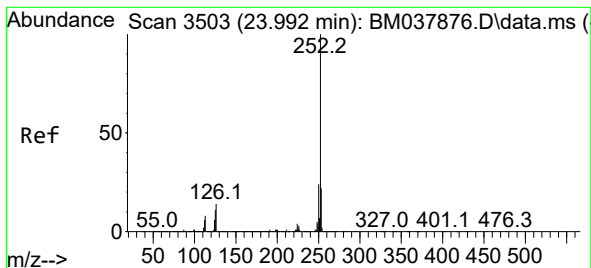
Tgt Ion:252 Resp: 7180009
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.1 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 93.623 ng/ul
RT: 23.362 min Scan# 3396
Delta R.T. -0.035 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:252 Resp: 7180009
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.1 8.1 12.1





#93

Benzo(a)pyrene

Concen: 48.770 ng/ul

RT: 24.009 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

Instrument :

BNA_M

ClientSampleId :

DBXL2

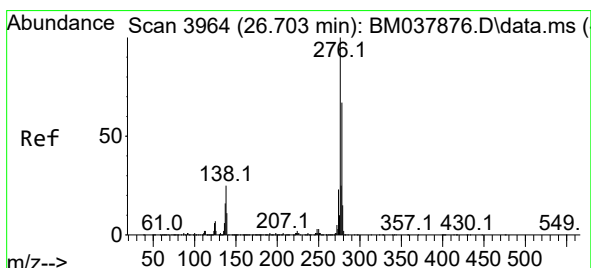
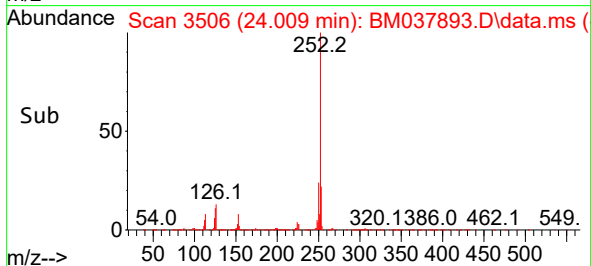
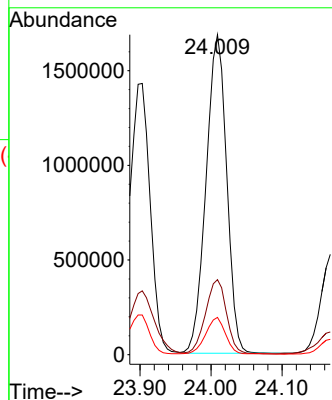
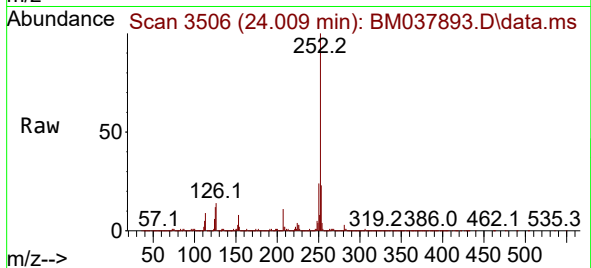
Tgt Ion:252 Resp: 3393717

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 11.7 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.068 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. 0.000 min

Lab File: BM037893.D

Acq: 08 Dec 2022 19:04

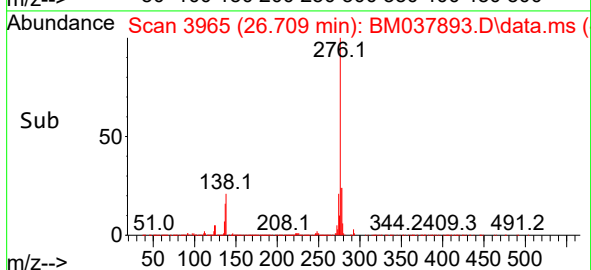
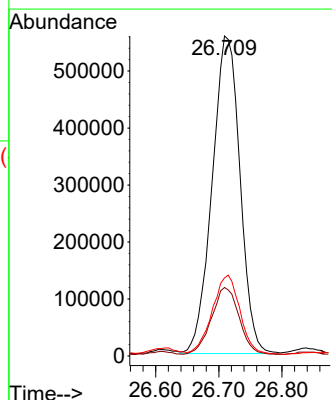
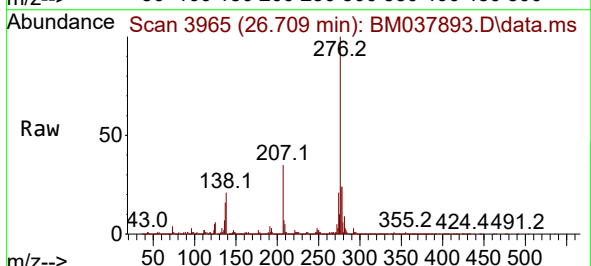
Tgt Ion:276 Resp: 1708902

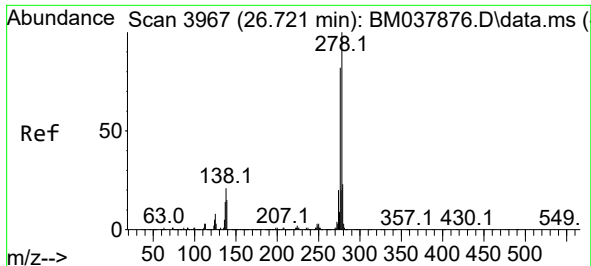
Ion Ratio Lower Upper

276 100

138 21.4 19.3 28.9

277 24.4 19.8 29.8

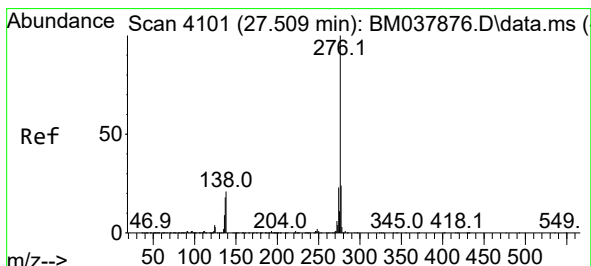
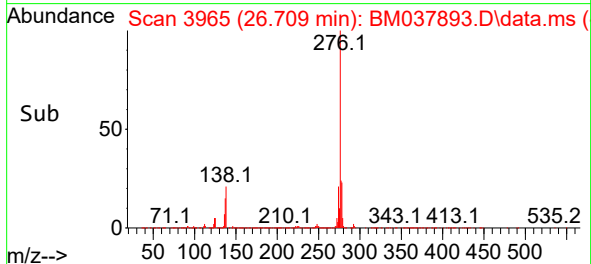
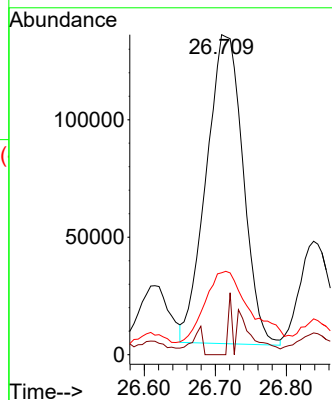
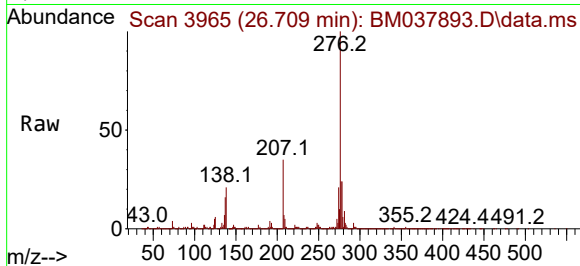




#95
Dibenzo(a,h)anthracene
Concen: 6.256 ng/ul
RT: 26.709 min Scan# 3965
Delta R.T. -0.018 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Instrument :
BNA_M
ClientSampleId :
DBXL2

Tgt Ion:278 Resp: 472684
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 25.6 19.8 29.6



#96
Benzo(g,h,i)perylene
Concen: 16.666 ng/ul
RT: 27.521 min Scan# 4103
Delta R.T. 0.006 min
Lab File: BM037893.D
Acq: 08 Dec 2022 19:04

Tgt Ion:276 Resp: 1192486
Ion Ratio Lower Upper
276 100
138 20.1 17.1 25.7
277 24.0 18.2 27.4

