

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
 Data File : BM038765.D
 Acq On : 16 Feb 2023 20:03
 Operator : CG/JU
 Sample : 01562-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BU-3-021523

Quant Time: Feb 17 06:11:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 06:10:11 2023
 Response via : Initial Calibration

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

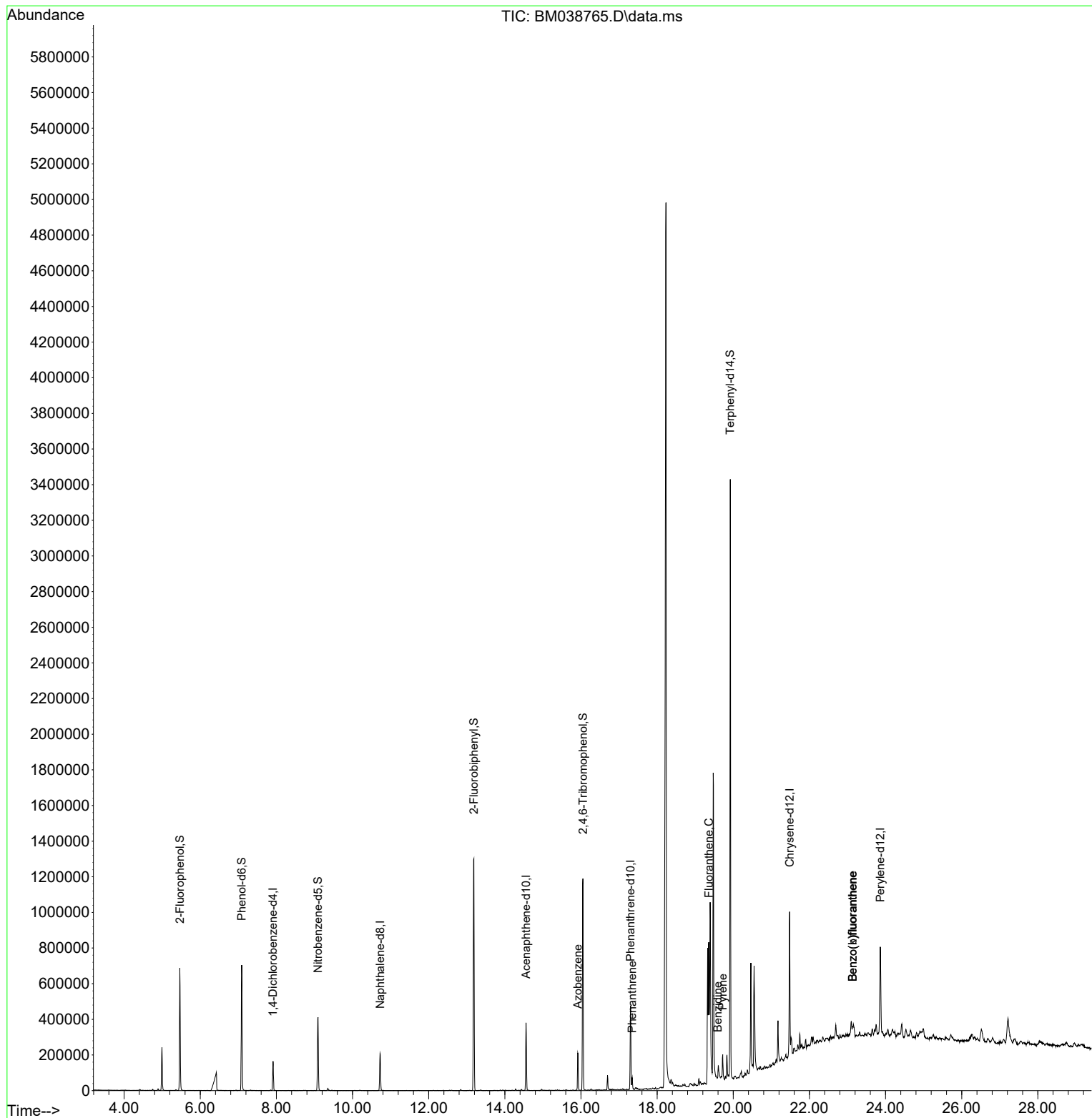
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	46558	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	181087	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	122422	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	268178	20.000	ng	# 0.00
76) Chrysene-d12	21.480	240	298356	20.000	ng	0.00
86) Perylene-d12	23.862	264	343254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	306117	128.798	ng	0.00
7) Phenol-d6	7.087	99	397563	146.663	ng	0.00
23) Nitrobenzene-d5	9.092	82	224387	70.382	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	196308	117.975	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	653661	67.976	ng	0.00
79) Terphenyl-d14	19.921	244	1289302	76.258	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.915	77	56645	7.779	ng	# 1
71) Phenanthrene	17.345	178	37556	2.359	ng	99
75) Fluoranthene	19.356	202	59021	3.530	ng	90
77) Benzidine	19.592	184	73	3.121	ng	# 1
78) Pyrene	19.721	202	72530	3.158	ng	98
88) Benzo(b)fluoranthene	23.133	252	42985	2.091	ng	# 87
89) Benzo(k)fluoranthene	23.133	252	42985	2.059	ng	# 86

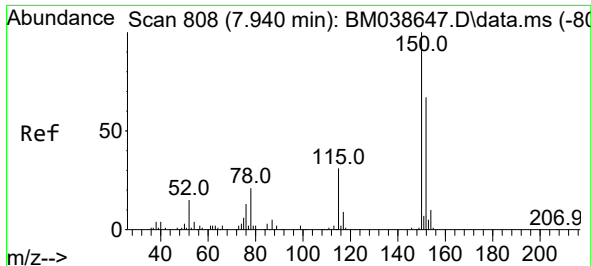
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 17 06:10:11 2023
Response via : Initial Calibration

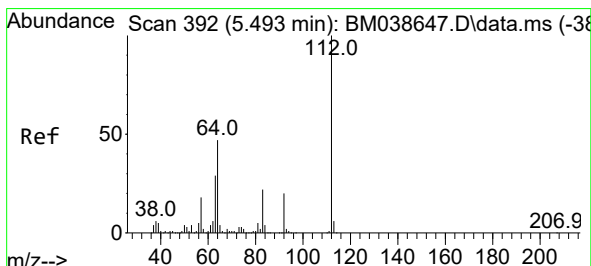
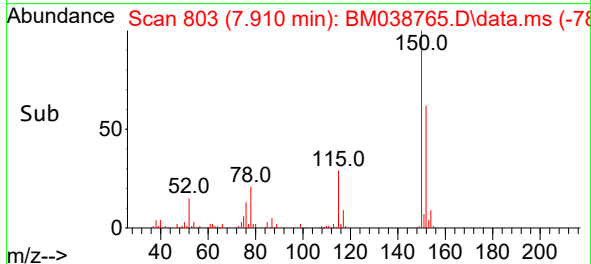
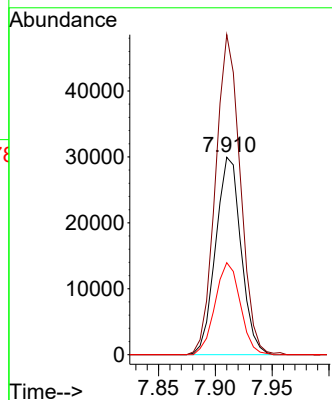
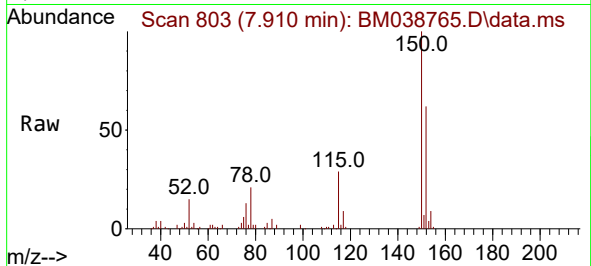




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

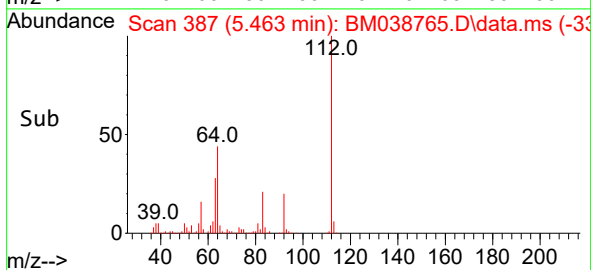
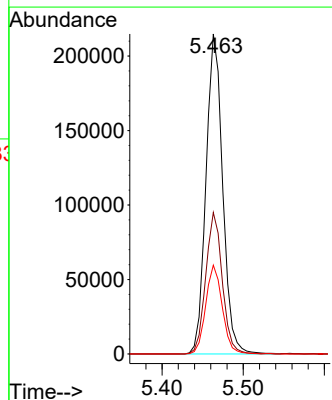
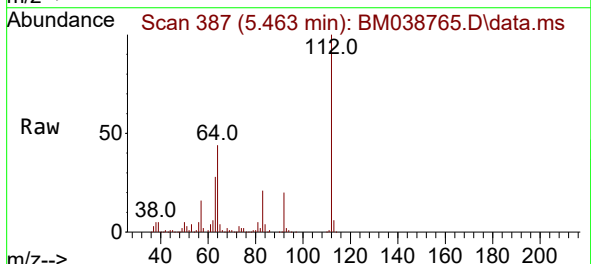
Instrument :
BNA_M
ClientSampleId :
BU-3-021523

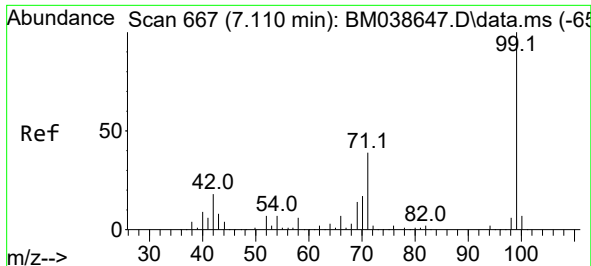
Tgt Ion:152 Resp: 46558
Ion Ratio Lower Upper
152 100
150 162.0 119.5 179.3
115 46.6 37.6 56.4



#5
2-Fluorophenol
Concen: 128.798 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion:112 Resp: 306117
Ion Ratio Lower Upper
112 100
64 44.2 37.9 56.9
63 27.8 23.3 34.9

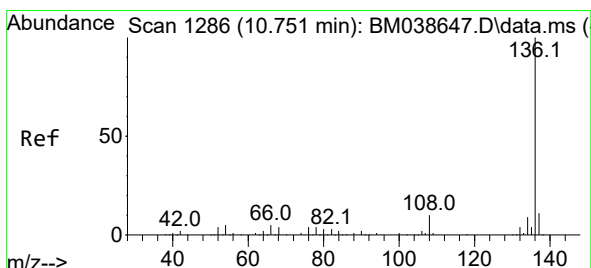
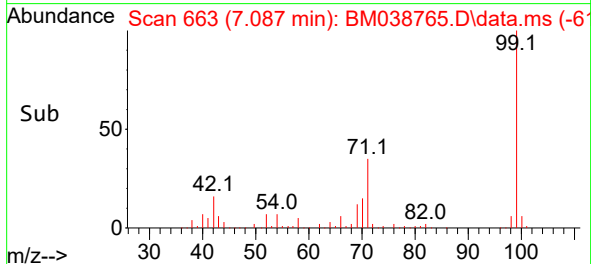
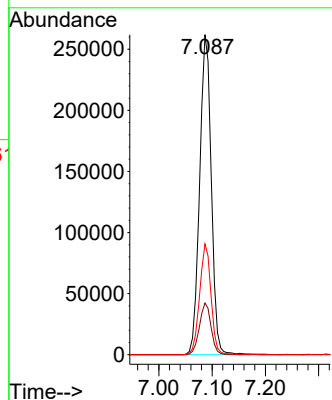
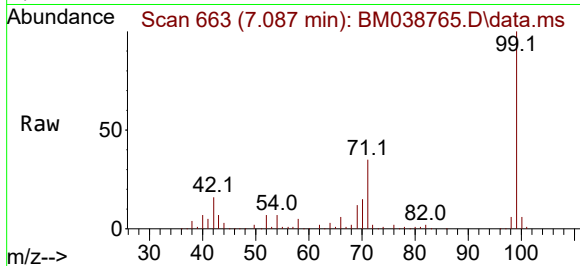




#7
Phenol-d6
Concen: 146.663 ng
RT: 7.087 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

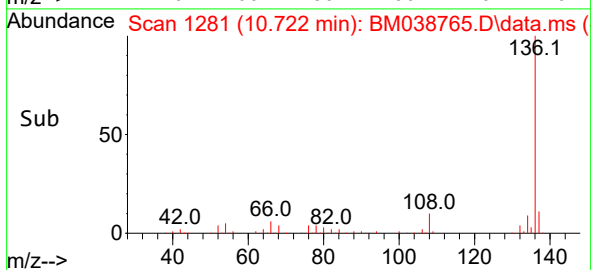
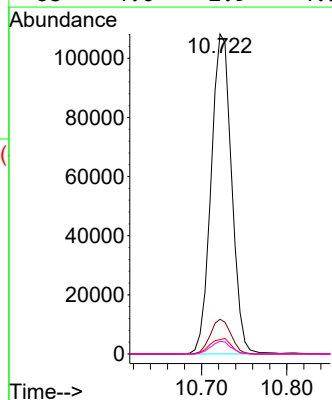
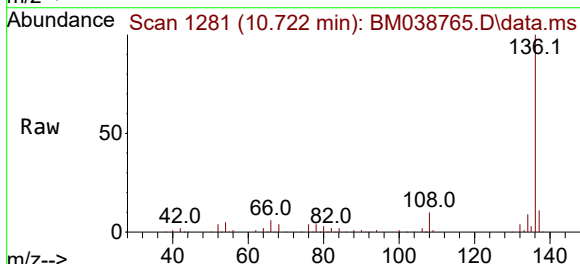
Instrument :
BNA_M
ClientSampleId :
BU-3-021523

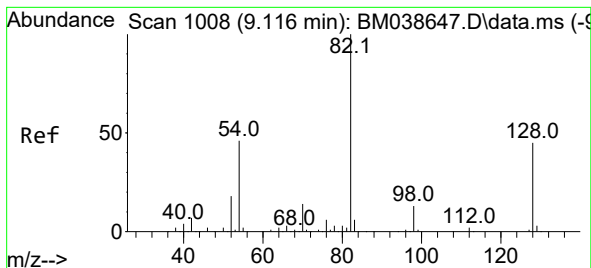
Tgt Ion: 99 Resp: 397563
Ion Ratio Lower Upper
99 100
42 16.1 14.6 22.0
71 34.6 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion: 136 Resp: 181087
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 4.5 4.2 6.4
68 4.0 2.9 4.3

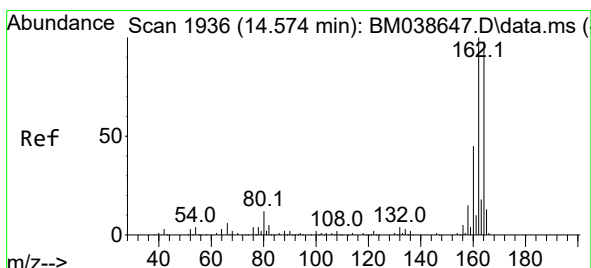
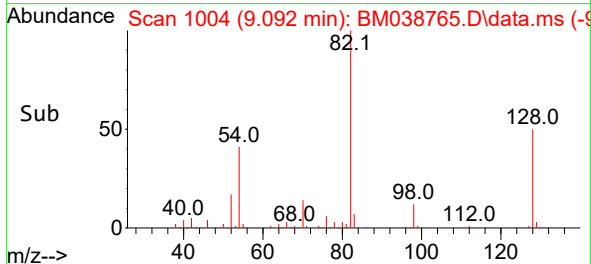
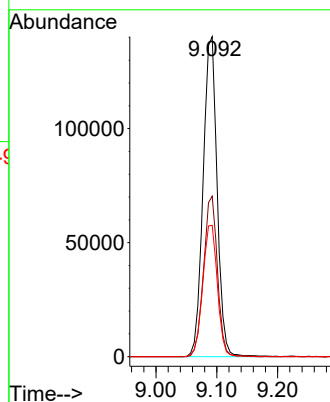
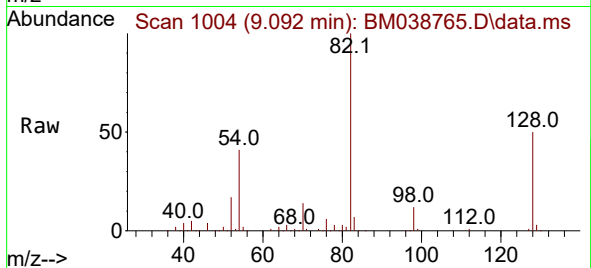




#23
Nitrobenzene-d5
Concen: 70.382 ng
RT: 9.092 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

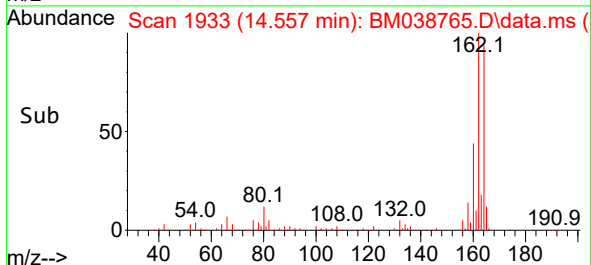
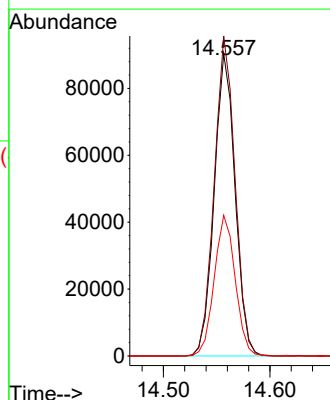
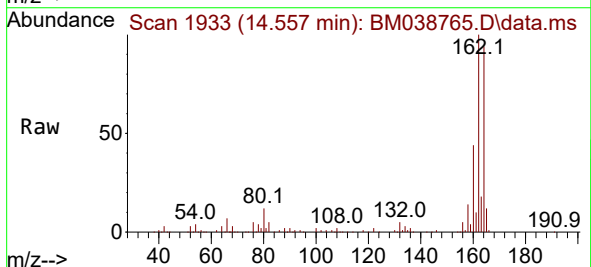
Instrument :
BNA_M
ClientSampleId :
BU-3-021523

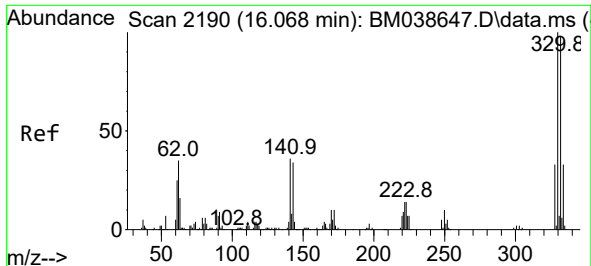
Tgt Ion: 82 Resp: 224387
Ion Ratio Lower Upper
82 100
128 50.1 36.0 54.0
54 41.0 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion: 164 Resp: 122422
Ion Ratio Lower Upper
164 100
162 105.9 81.4 122.0
160 46.5 36.5 54.7

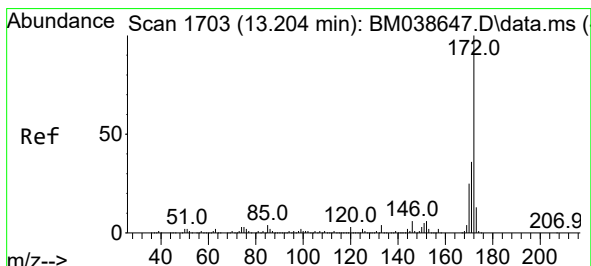
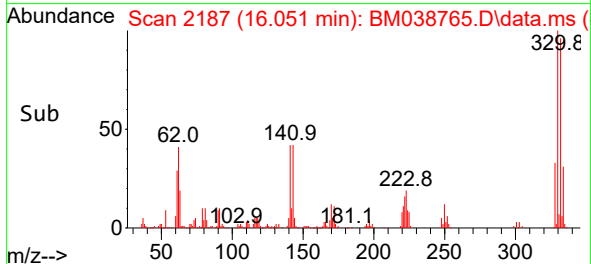
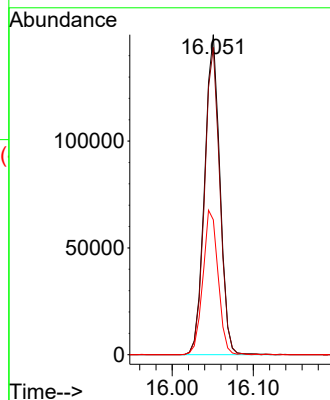
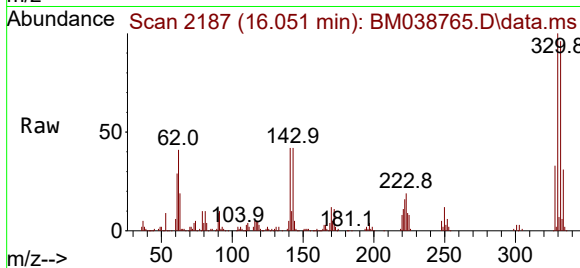




#42
2,4,6-Tribromophenol
Concen: 117.975 ng
RT: 16.051 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

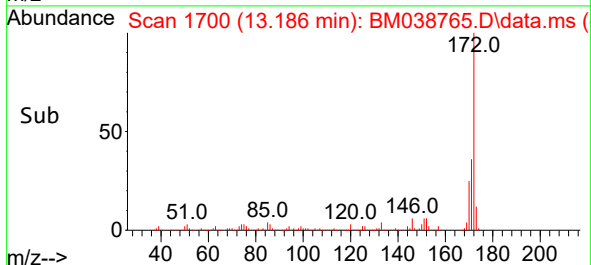
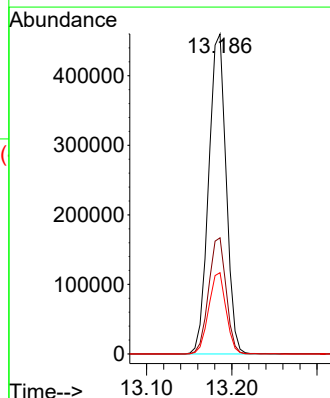
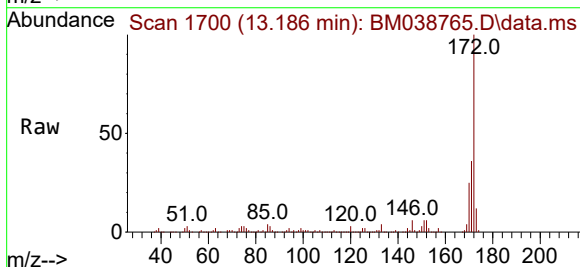
Instrument :
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ClientSampleId :
BU-3-021523

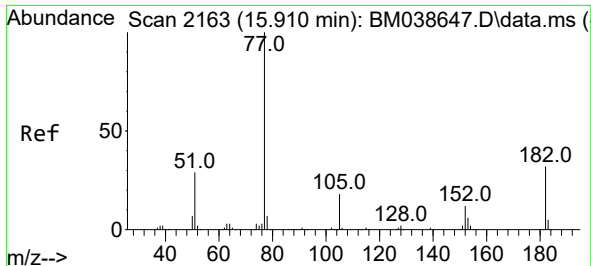
Tgt Ion:330 Resp: 196308
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.6
141 44.8 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 67.976 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion:172 Resp: 653661
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 25.4 20.0 30.0

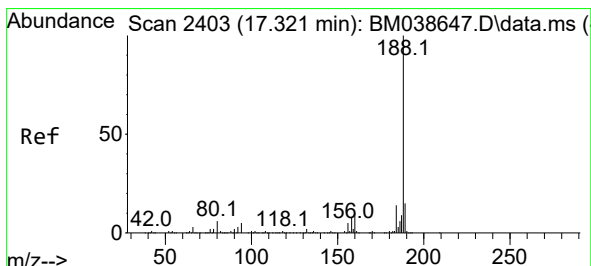
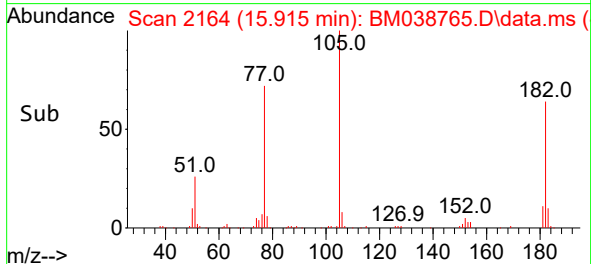
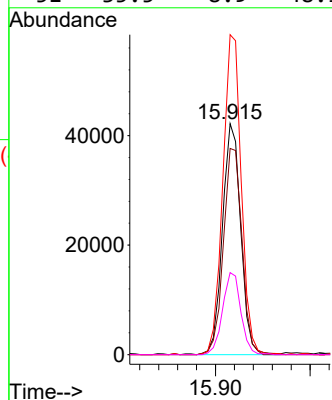
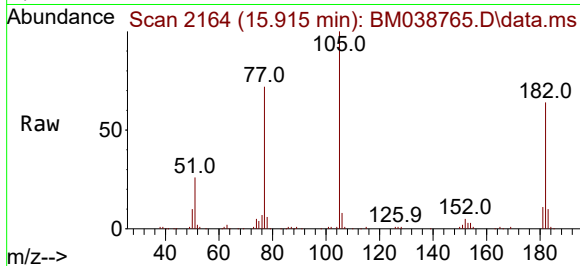




#63
Azobenzene
Concen: 7.779 ng
RT: 15.915 min Scan# 2163
Delta R.T. 0.023 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

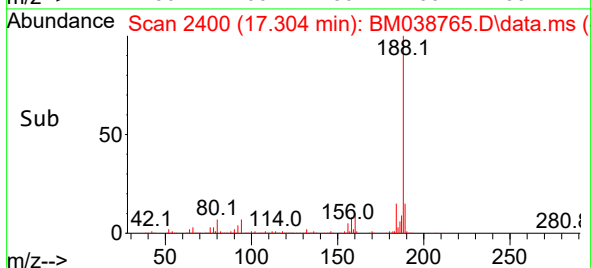
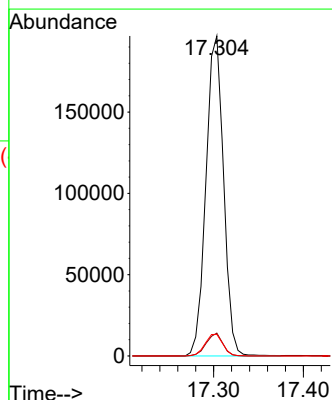
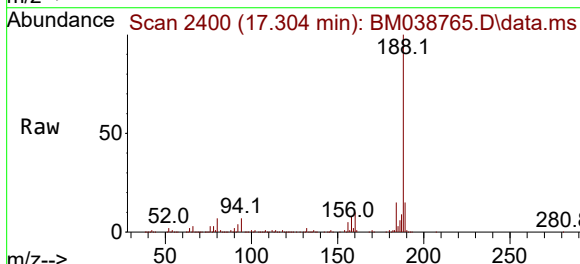
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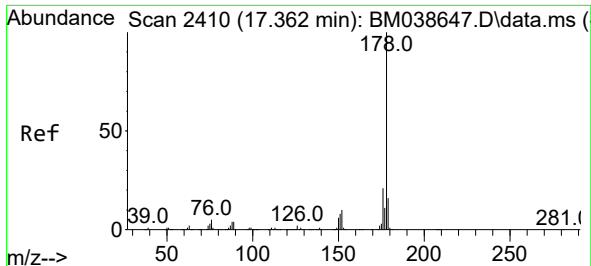
Tgt Ion: 77 Resp: 56645
Ion Ratio Lower Upper
77 100
182 89.2 12.0 52.0#
105 138.5 0.0 37.5#
51 35.5 8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion:188 Resp: 268178
Ion Ratio Lower Upper
188 100
94 7.1 4.2 6.4#
80 6.7 4.6 7.0

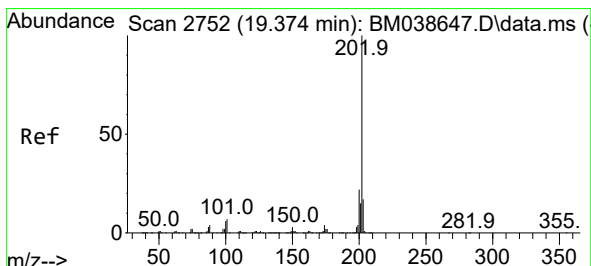
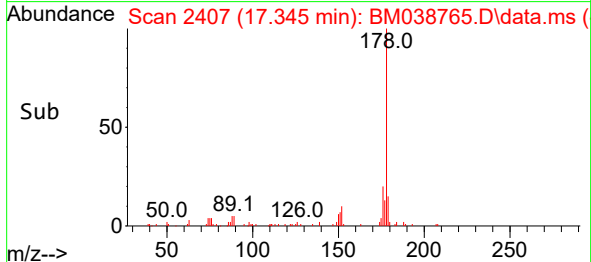
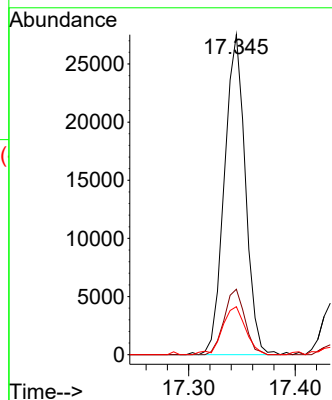
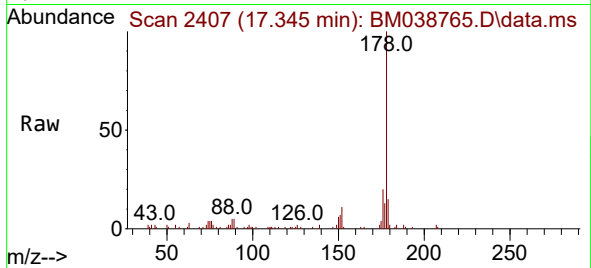




#71
Phenanthrene
Concen: 2.359 ng
RT: 17.345 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

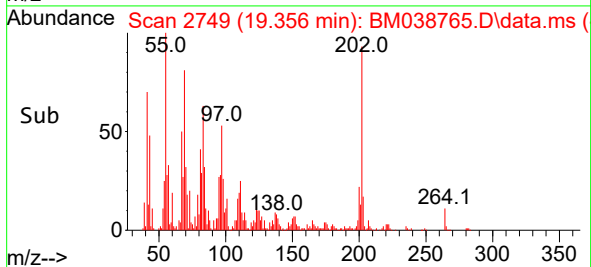
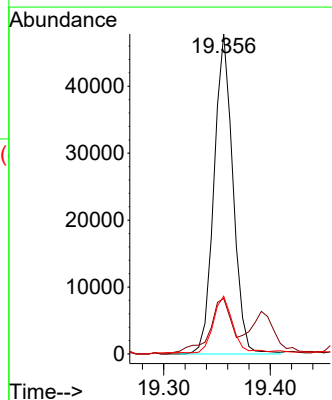
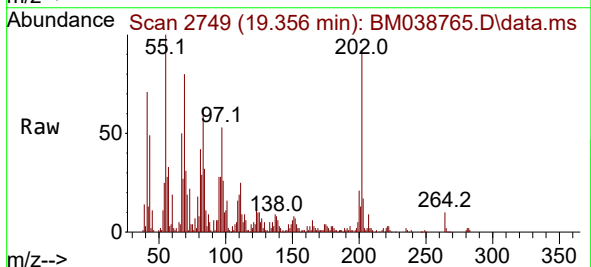
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ClientSampleId :
BU-3-021523

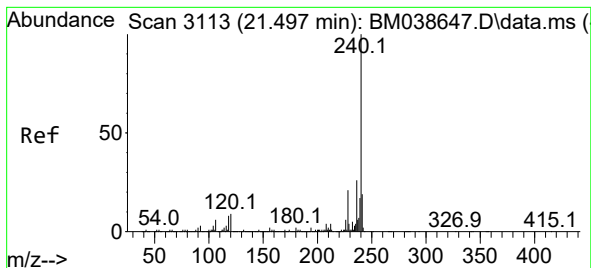
Tgt Ion:178 Resp: 37556
Ion Ratio Lower Upper
178 100
176 20.5 16.7 25.1
179 15.0 12.5 18.7



#75
Fluoranthene
Concen: 3.530 ng
RT: 19.356 min Scan# 2749
Delta R.T. -0.006 min
Lab File: BM038765.D
Acq: 16 Feb 2023 20:03

Tgt Ion:202 Resp: 59021
Ion Ratio Lower Upper
202 100
101 17.3 0.0 27.4
203 18.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.480 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BM038765.D

Acq: 16 Feb 2023 20:03

Instrument :

BNA_M

ClientSampleId :

BU-3-021523

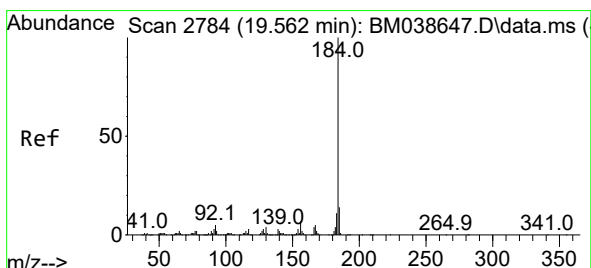
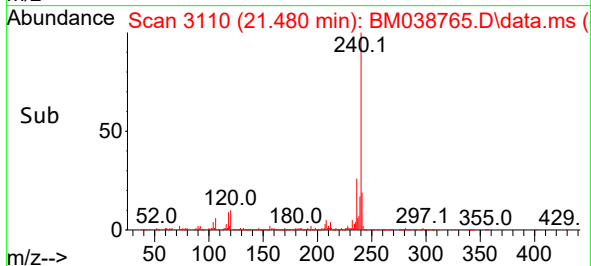
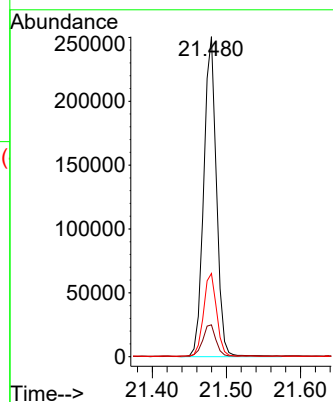
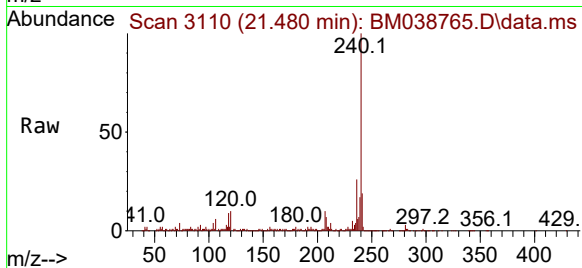
Tgt Ion:240 Resp: 298356

Ion Ratio Lower Upper

240 100

120 10.0 7.0 10.4

236 26.0 20.9 31.3



#77

Benzidine

Concen: 3.121 ng

RT: 19.592 min Scan# 2789

Delta R.T. 0.041 min

Lab File: BM038765.D

Acq: 16 Feb 2023 20:03

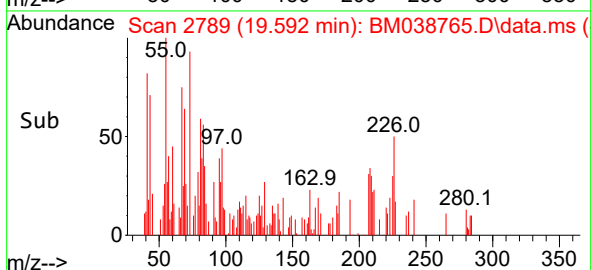
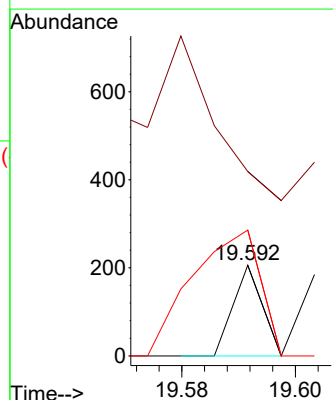
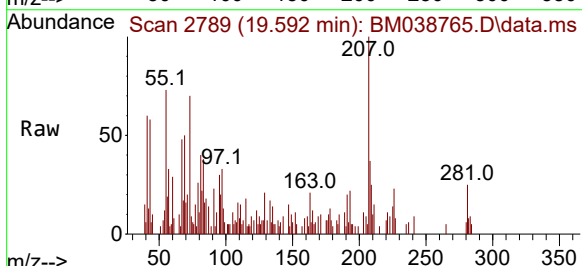
Tgt Ion:184 Resp: 73

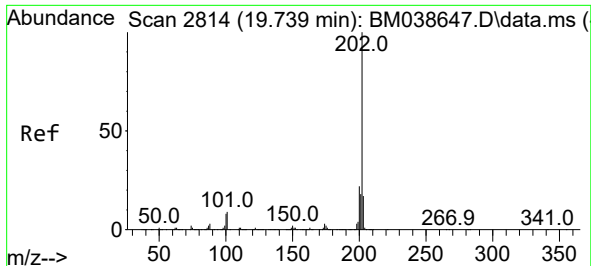
Ion Ratio Lower Upper

184 100

185 203.4 10.8 16.2#

183 138.8 8.8 13.2#

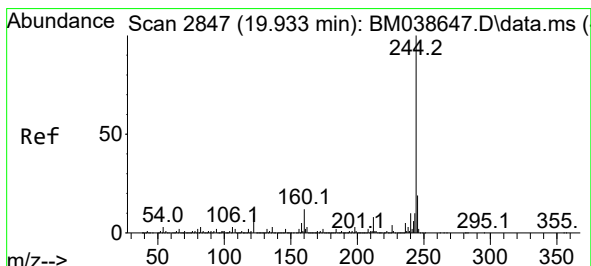
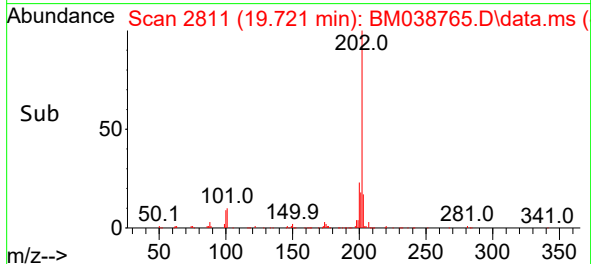
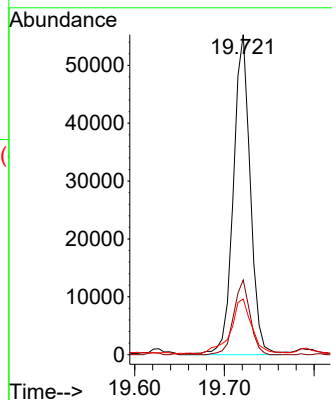
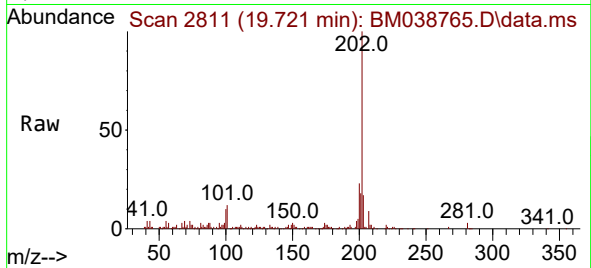




#78
 Pyrene
 Concen: 3.158 ng
 RT: 19.721 min Scan# 2811
 Delta R.T. -0.000 min
 Lab File: BM038765.D
 Acq: 16 Feb 2023 20:03

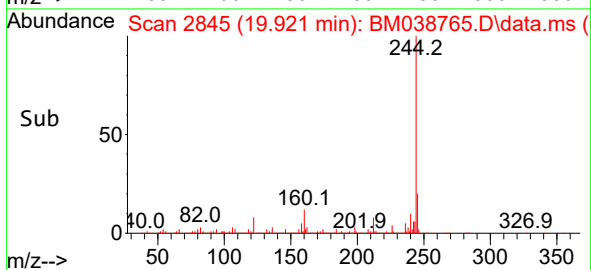
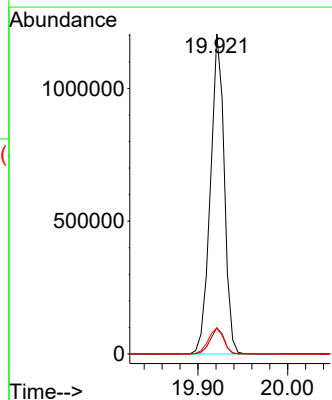
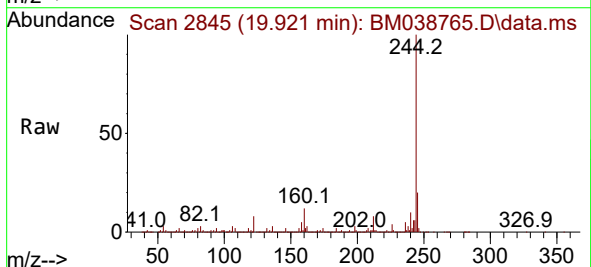
Instrument :
 BNA_M
 ClientSampleId :
 BU-3-021523

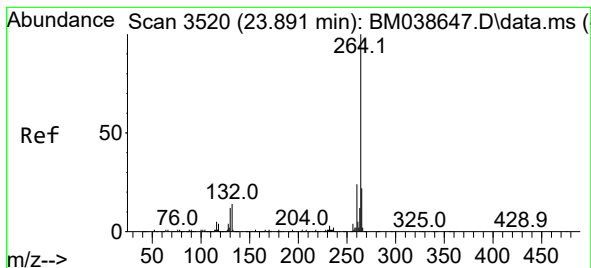
Tgt Ion:202 Resp: 72530
 Ion Ratio Lower Upper
 202 100
 200 23.3 17.8 26.6
 203 17.4 13.5 20.3



#79
 Terphenyl-d14
 Concen: 76.258 ng
 RT: 19.921 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: BM038765.D
 Acq: 16 Feb 2023 20:03

Tgt Ion:244 Resp: 1289302
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 8.1 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.862 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM038765.D

Acq: 16 Feb 2023 20:03

Instrument :

BNA_M

ClientSampleId :

BU-3-021523

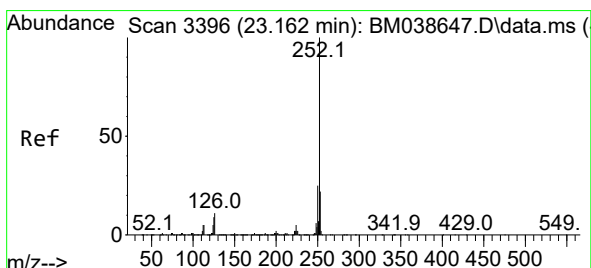
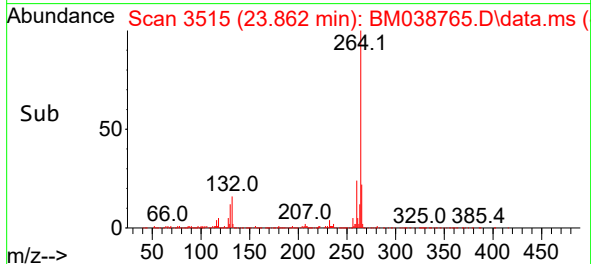
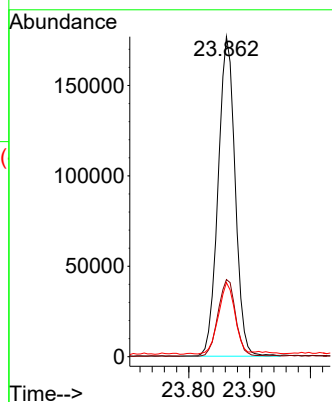
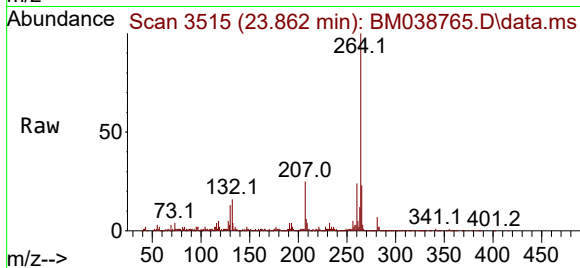
Tgt Ion:264 Resp: 343254

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 23.2 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.091 ng

RT: 23.133 min Scan# 3391

Delta R.T. -0.006 min

Lab File: BM038765.D

Acq: 16 Feb 2023 20:03

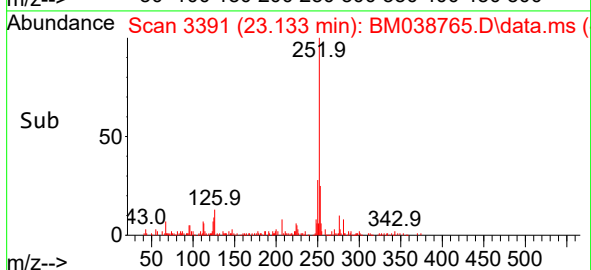
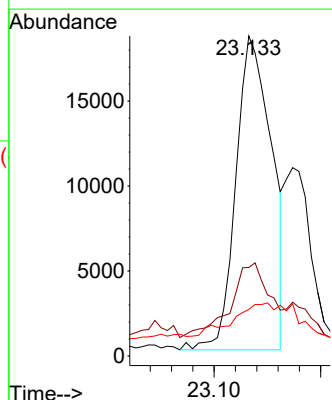
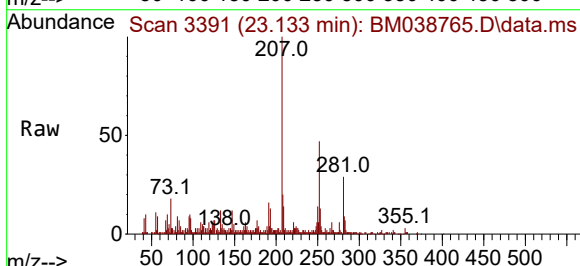
Tgt Ion:252 Resp: 42985

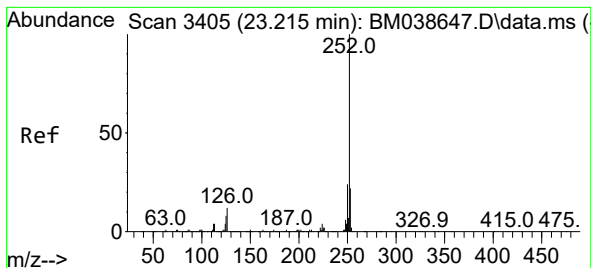
Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.2#

125 14.6 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.059 ng

RT: 23.133 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM038765.D

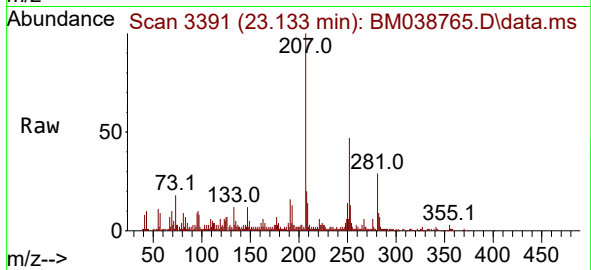
Acq: 16 Feb 2023 20:03

Instrument :

BNA_M

ClientSampleId :

BU-3-021523



Tgt Ion:252 Resp: 42985

Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.0#

125 14.6 6.6 9.8#

