

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038740.D
 Acq On : 14 Feb 2023 21:17
 Operator : CG/JU
 Sample : 01528-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL

Quant Time: Feb 15 02:11:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

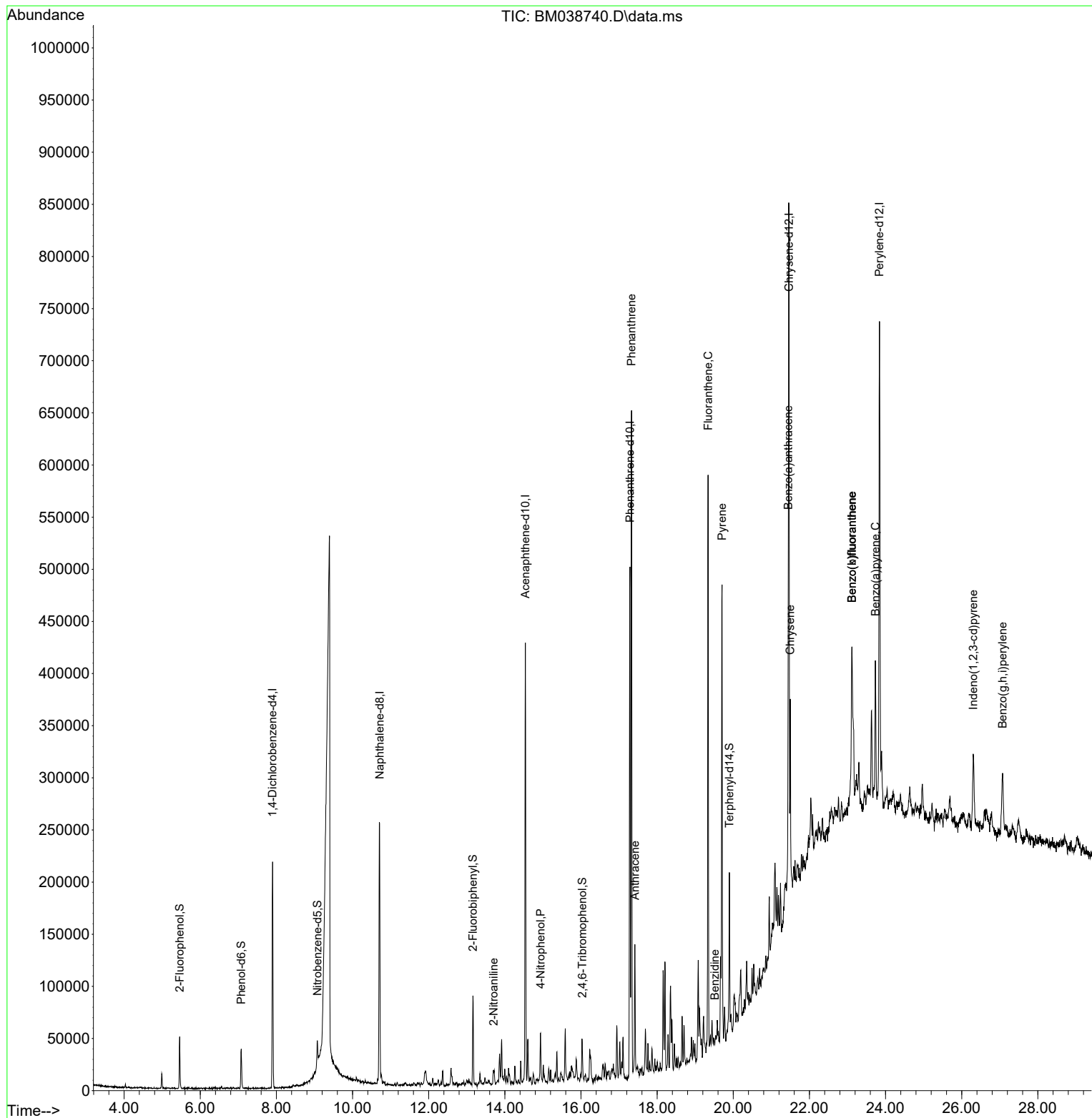
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	61528	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	220262	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	139182	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	280462	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	251110	20.000	ng	0.00
86) Perylene-d12	23.838	264	328105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	22234	7.079	ng	0.00
7) Phenol-d6	7.075	99	22890	6.390	ng	0.00
23) Nitrobenzene-d5	9.075	82	13705	3.534	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	3841	2.030	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	43995	4.024	ng	0.00
79) Terphenyl-d14	19.897	244	56765	3.989	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.704	65	80	2.210	ng	# 1
56) 4-Nitrophenol	14.939	139	8462	4.570	ng	# 13
71) Phenanthrene	17.327	178	375202	22.531	ng	100
72) Anthracene	17.415	178	75699	4.443	ng	99
75) Fluoranthene	19.339	202	290592	16.620	ng	98
77) Benzidine	19.515	184	57	3.121	ng	# 1
78) Pyrene	19.703	202	251408	13.004	ng	100
81) Benzo(a)anthracene	21.444	228	108241	6.094	ng	97
83) Chrysene	21.497	228	86978	5.082	ng	96
87) Indeno(1,2,3-cd)pyrene	26.303	276	65879	2.549	ng	98
88) Benzo(b)fluoranthene	23.115	252	160971	8.191	ng	# 95
89) Benzo(k)fluoranthene	23.115	252	160971	8.066	ng	# 95
90) Benzo(a)pyrene	23.732	252	89994	4.631	ng	98
92) Benzo(g,h,i)perylene	27.073	276	64716	2.944	ng	96

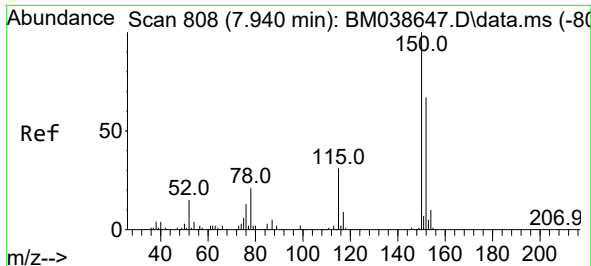
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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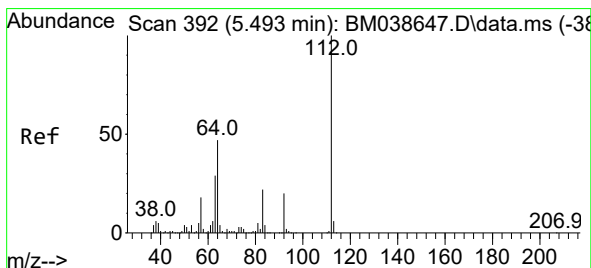
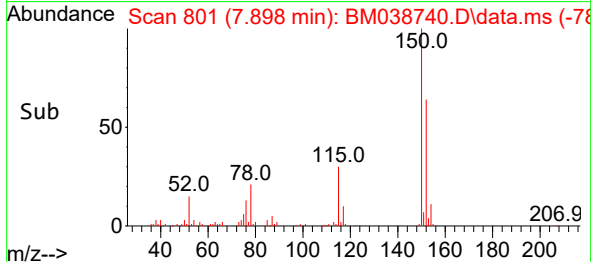
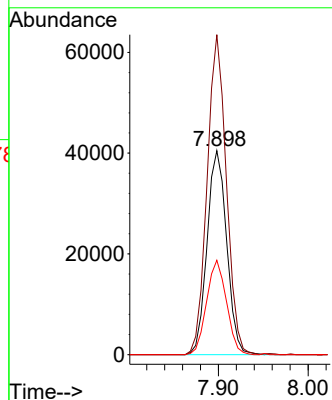
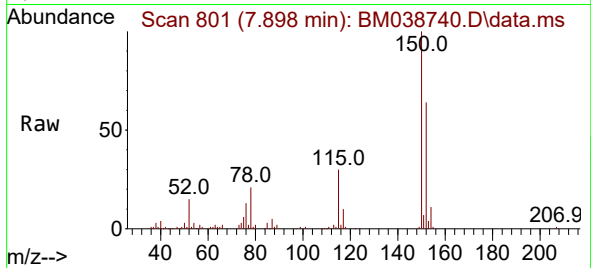




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

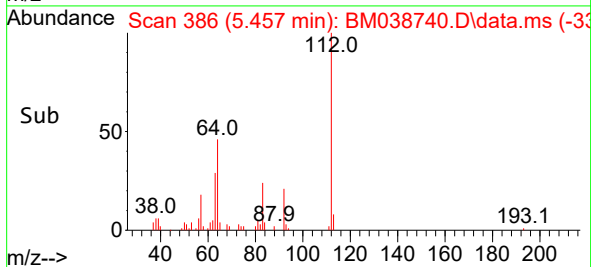
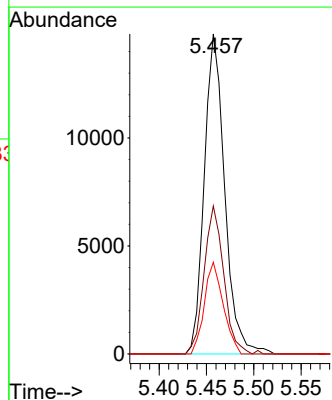
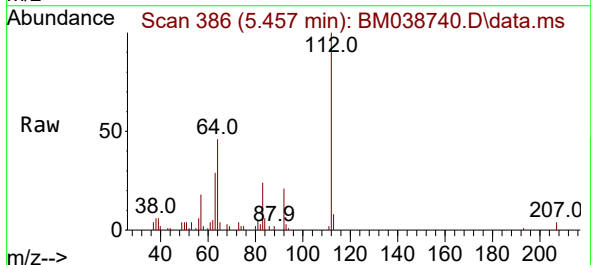
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BNA_M
ClientSampleId :
EO-03-021023DL

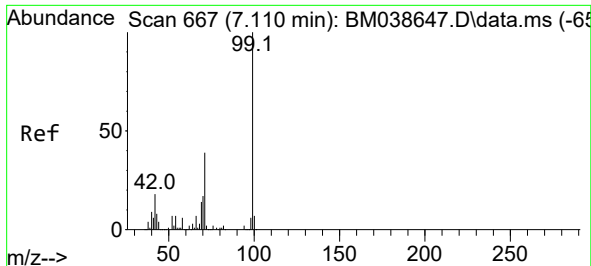
Tgt Ion:152 Resp: 61528
Ion Ratio Lower Upper
152 100
150 156.8 119.5 179.3
115 46.3 37.6 56.4



#5
2-Fluorophenol
Concen: 7.079 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:112 Resp: 22234
Ion Ratio Lower Upper
112 100
64 46.2 37.9 56.9
63 28.6 23.3 34.9

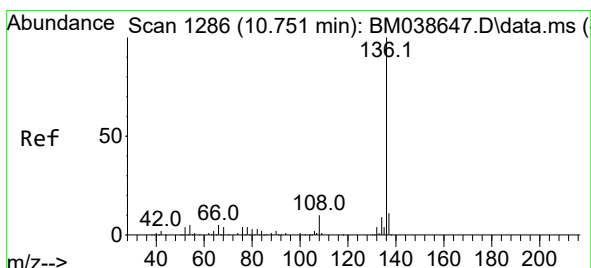
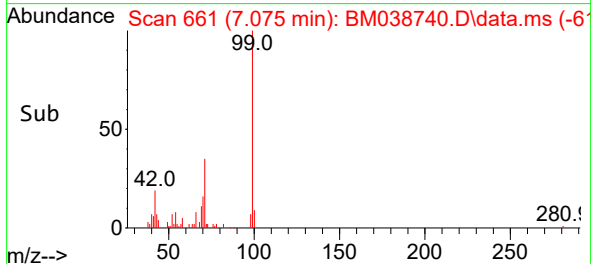
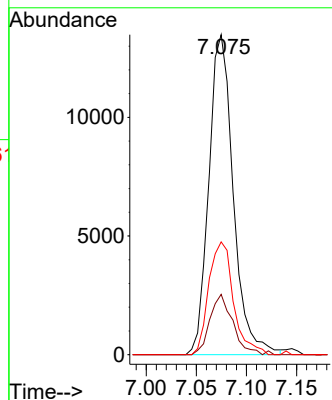
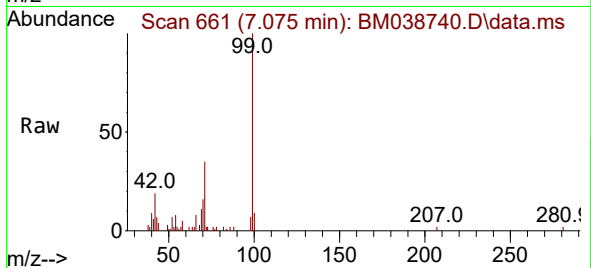




#7
Phenol-d6
Concen: 6.390 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

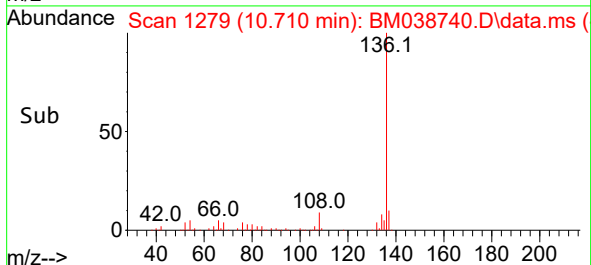
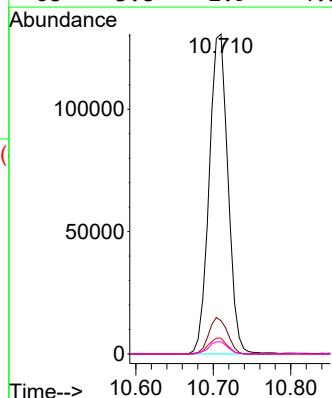
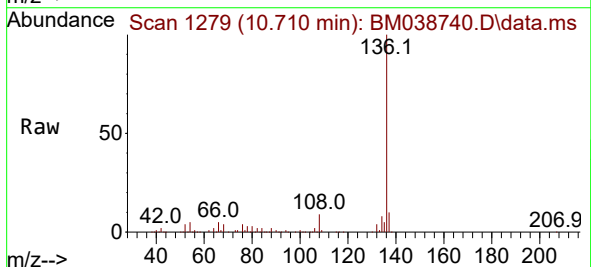
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

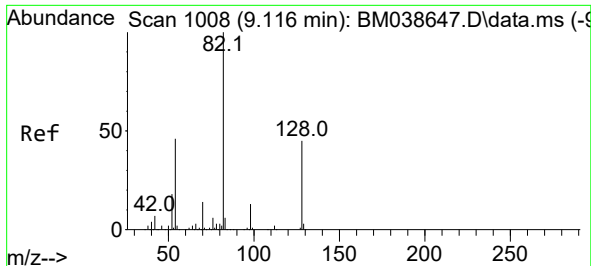
Tgt Ion: 99 Resp: 22890
Ion Ratio Lower Upper
99 100
42 18.9 14.6 22.0
71 35.2 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion: 136 Resp: 220262
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 5.0 4.2 6.4
68 3.8 2.9 4.3

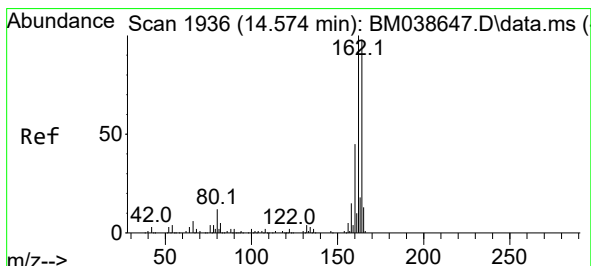
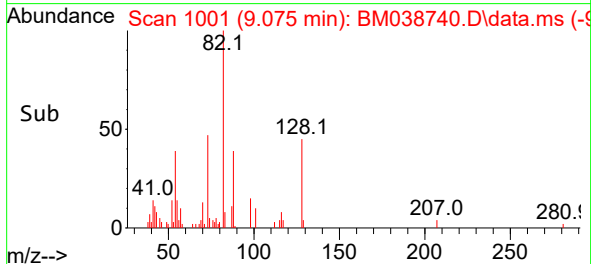
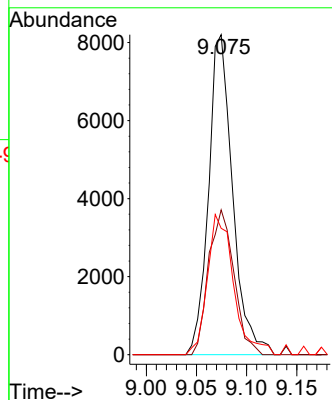
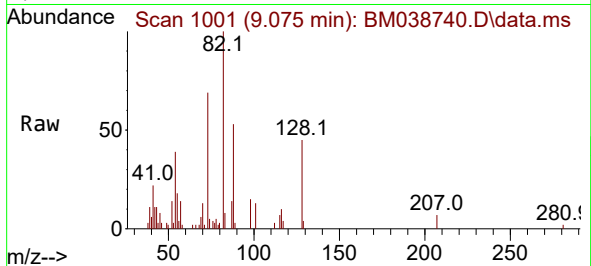




#23
Nitrobenzene-d5
Concen: 3.534 ng
RT: 9.075 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

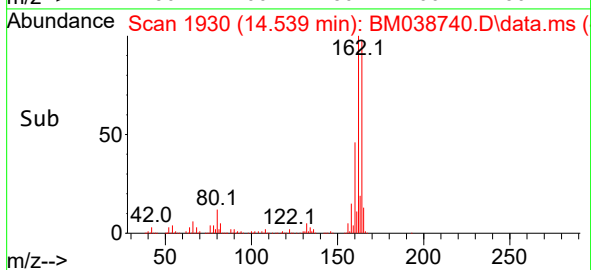
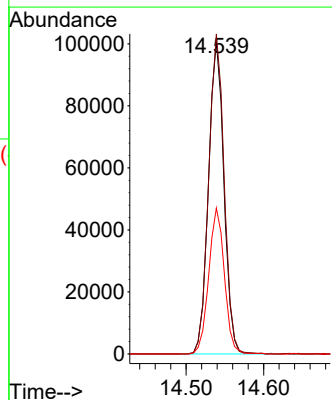
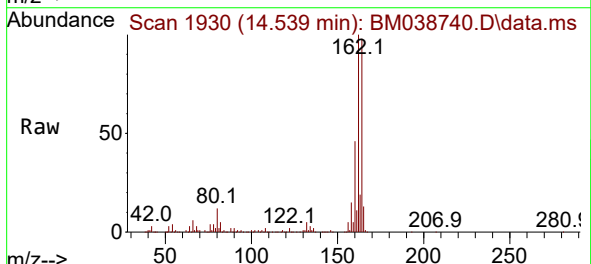
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

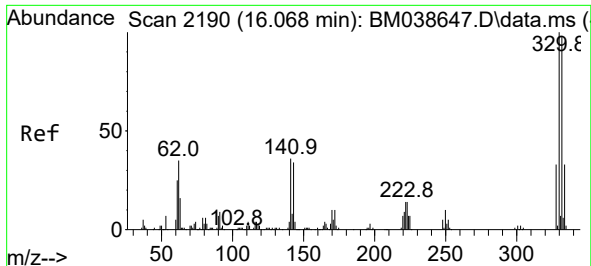
Tgt Ion: 82 Resp: 13705
Ion Ratio Lower Upper
82 100
128 45.3 36.0 54.0
54 39.5 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:164 Resp: 139182
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 46.7 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 2.030 ng

RT: 16.033 min Scan# 2190

Delta R.T. -0.000 min

Lab File: BM038740.D

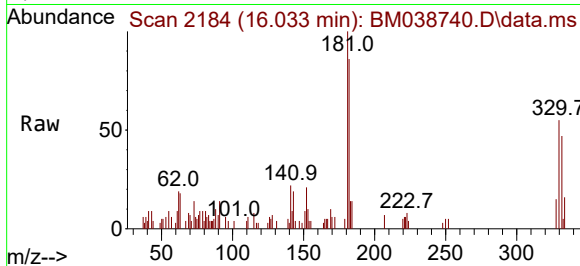
Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL



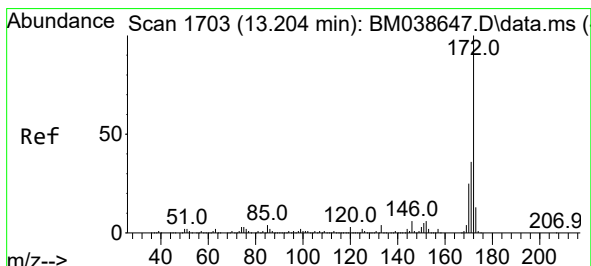
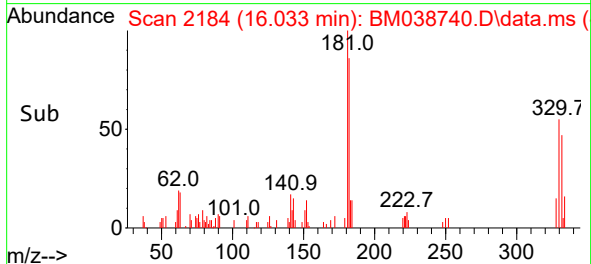
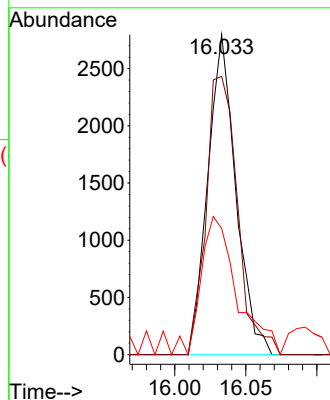
Tgt Ion:330 Resp: 3841

Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.6

141 55.9 31.0 46.6#



#45

2-Fluorobiphenyl

Concen: 4.024 ng

RT: 13.163 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

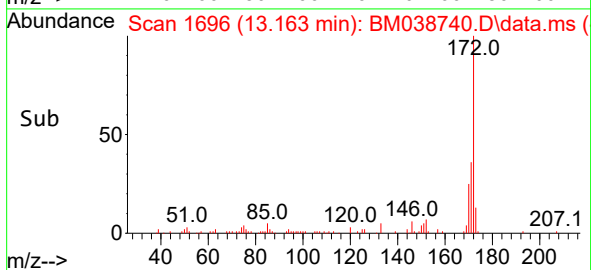
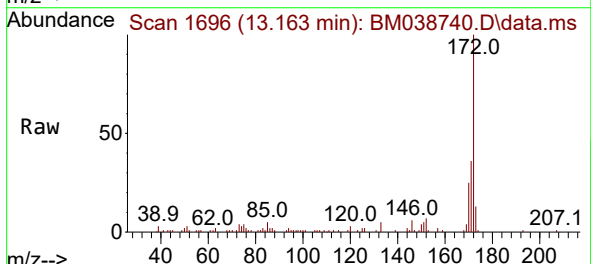
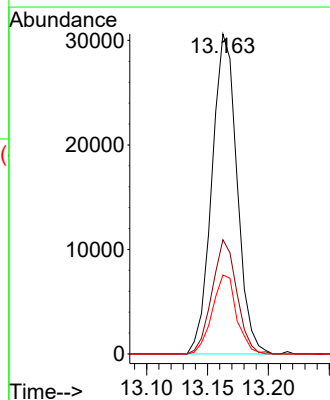
Tgt Ion:172 Resp: 43995

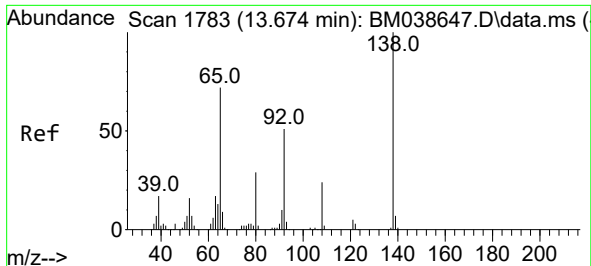
Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 24.7 20.0 30.0

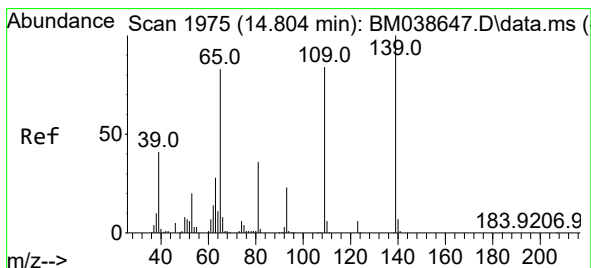
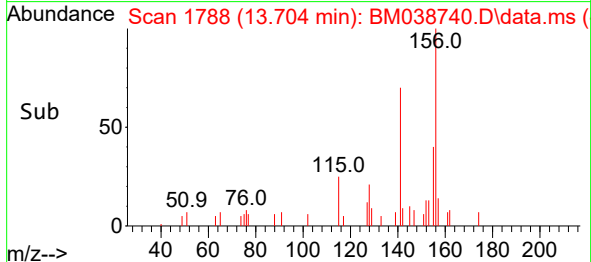
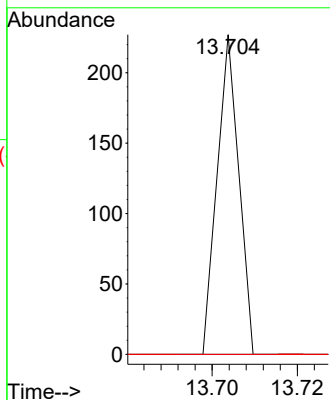
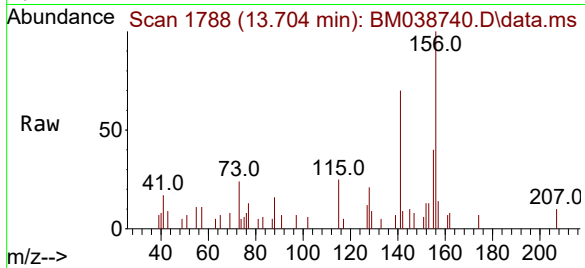




#48
2-Nitroaniline
Concen: 2.210 ng
RT: 13.704 min Scan# 11
Delta R.T. 0.065 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

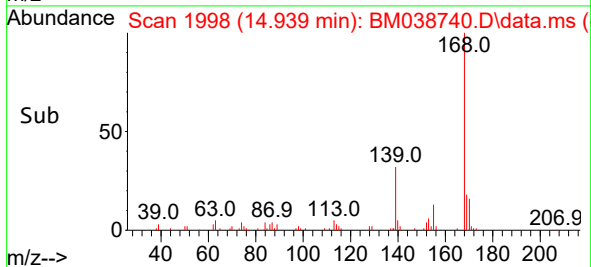
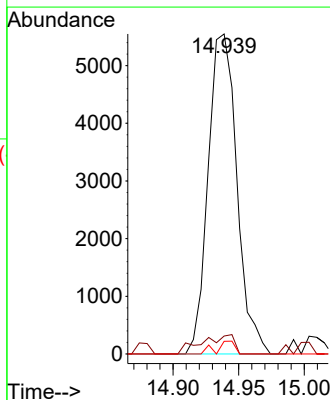
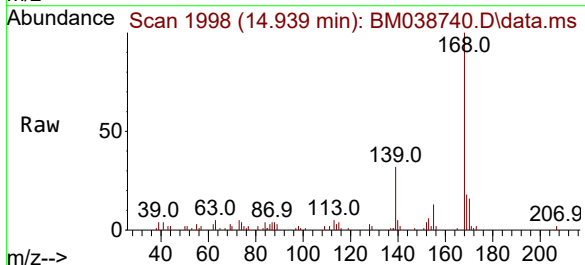
Instrument :
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EO-03-021023DL

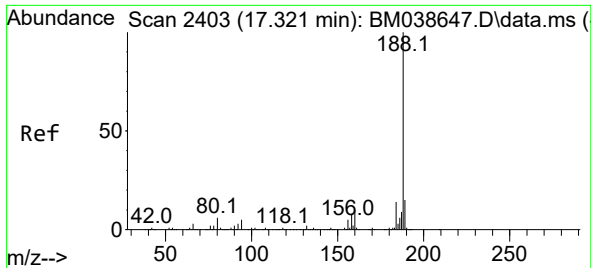
Tgt Ion: 65 Resp: 80
Ion Ratio Lower Upper
65 100
92 0.0 55.9 83.9#
138 0.0 110.6 166.0#



#56
4-Nitrophenol
Concen: 4.570 ng
RT: 14.939 min Scan# 1998
Delta R.T. 0.159 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion: 139 Resp: 8462
Ion Ratio Lower Upper
139 100
109 5.6 63.8 103.8#
65 4.0 62.5 102.5#

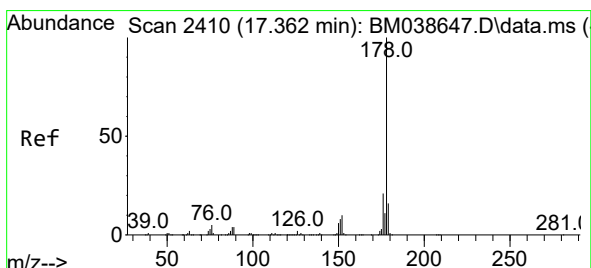
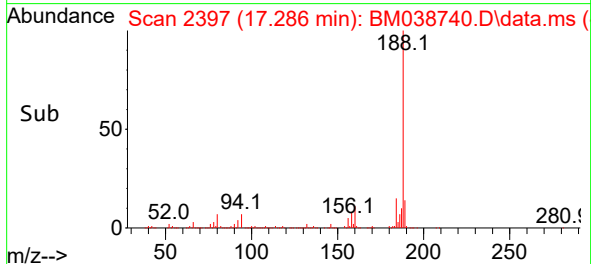
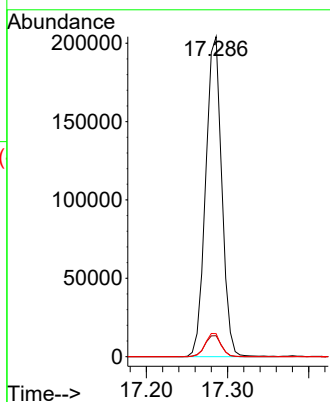
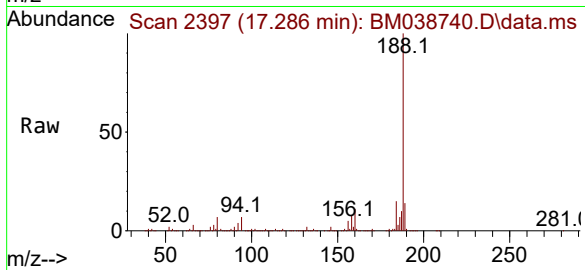




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

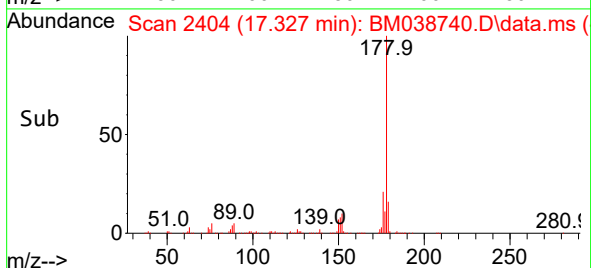
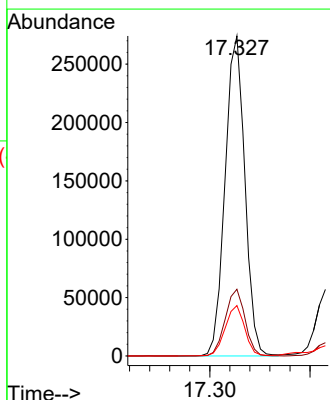
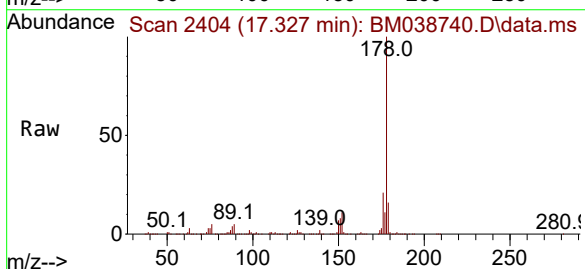
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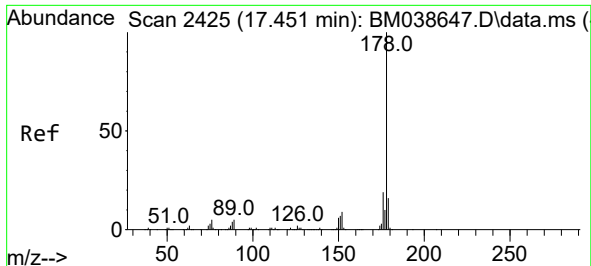
Tgt Ion:188 Resp: 280462
Ion Ratio Lower Upper
188 100
94 6.6 4.2 6.4#
80 7.2 4.6 7.0#



#71
Phenanthrene
Concen: 22.531 ng
RT: 17.327 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:178 Resp: 375202
Ion Ratio Lower Upper
178 100
176 20.9 16.7 25.1
179 15.8 12.5 18.7

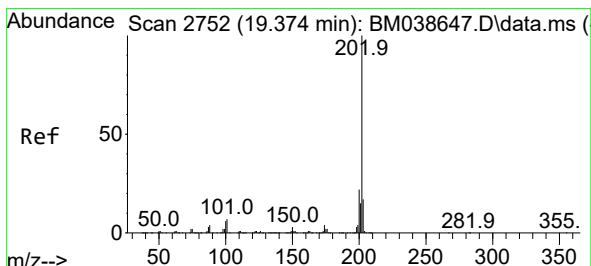
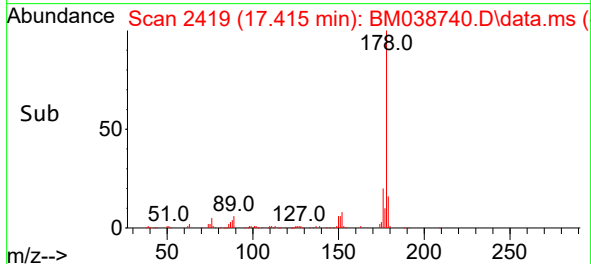
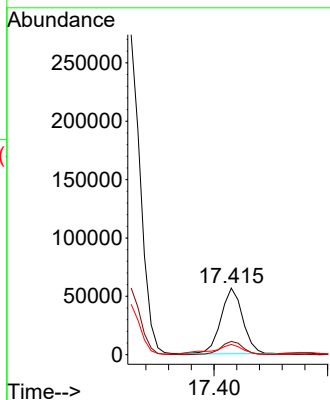
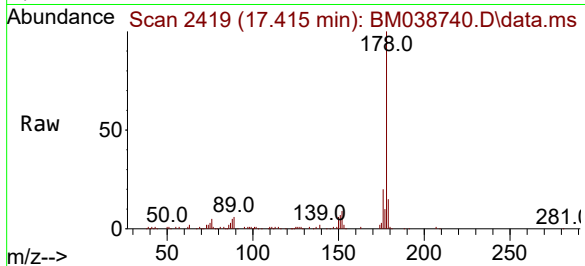




#72
 Anthracene
 Concen: 4.443 ng
 RT: 17.415 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

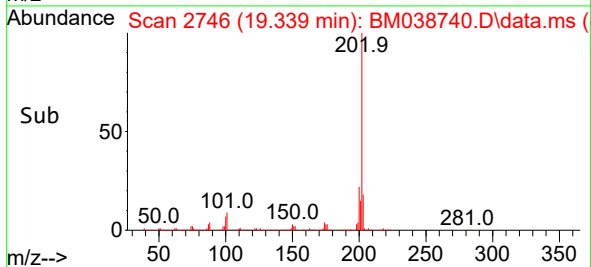
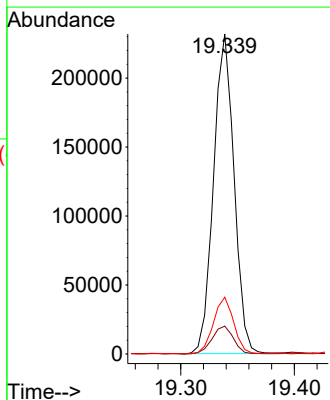
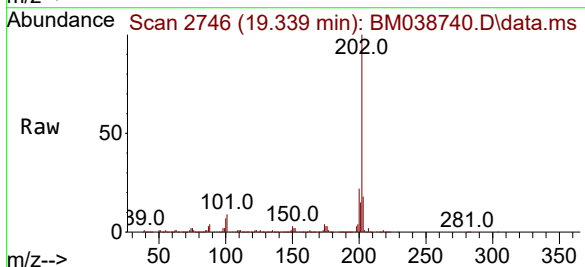
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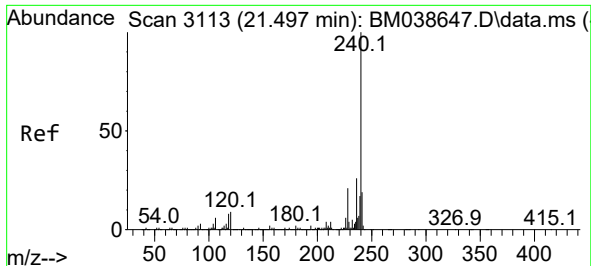
Tgt Ion:178 Resp: 75699
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.6 23.4
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 16.620 ng
 RT: 19.339 min Scan# 2746
 Delta R.T. -0.000 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

Tgt Ion:202 Resp: 290592
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 27.4
 203 17.7 0.0 37.3

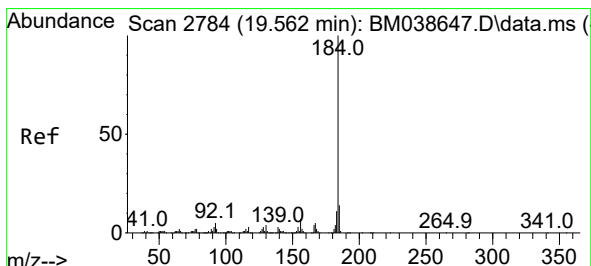
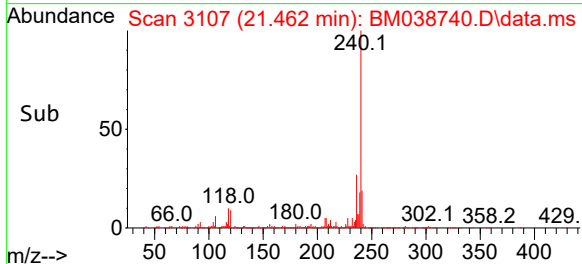
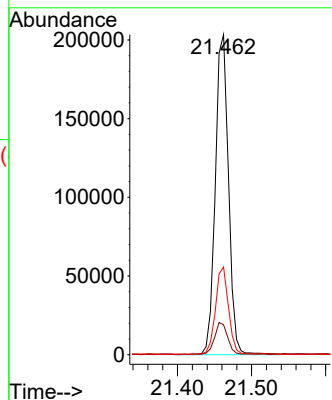
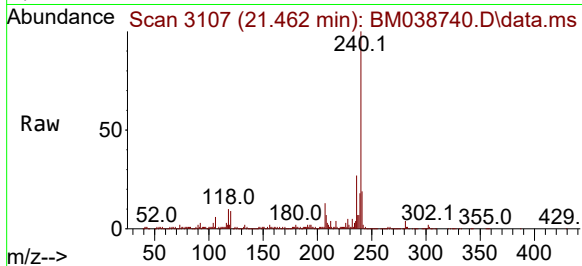




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

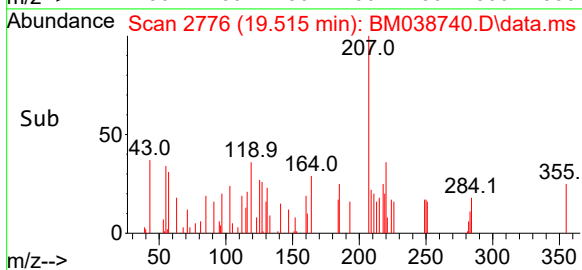
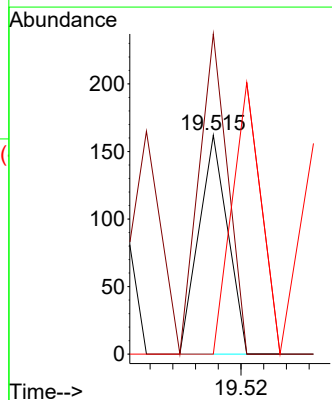
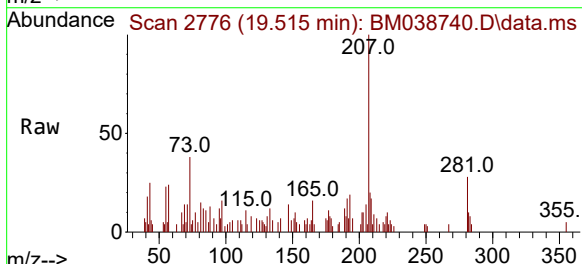
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

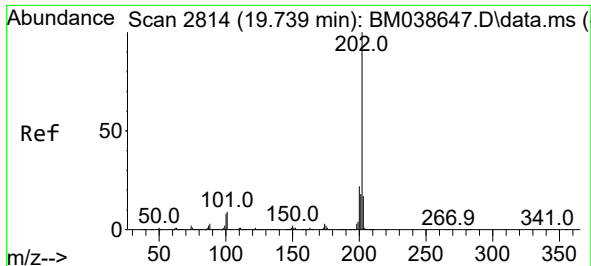
Tgt Ion:240 Resp: 251110
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.4
236 27.4 20.9 31.3



#77
Benzidine
Concen: 3.121 ng
RT: 19.515 min Scan# 2776
Delta R.T. -0.018 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
185 146.3 10.8 16.2#
183 0.0 8.8 13.2#

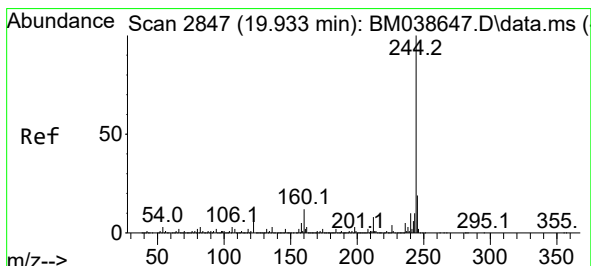
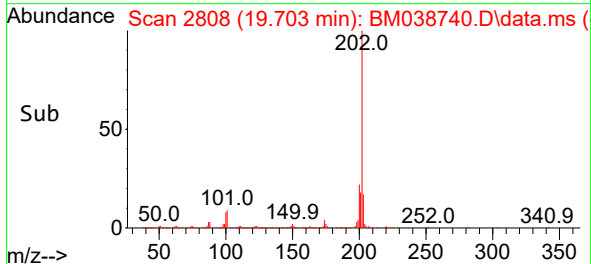
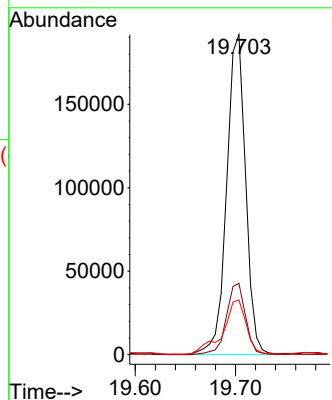
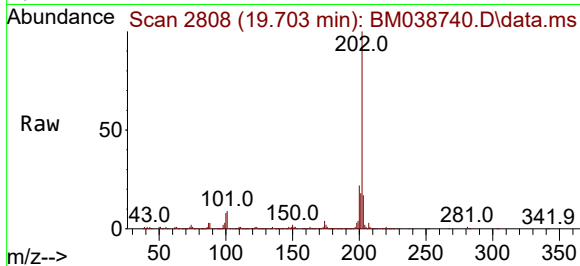




#78
 Pyrene
 Concen: 13.004 ng
 RT: 19.703 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

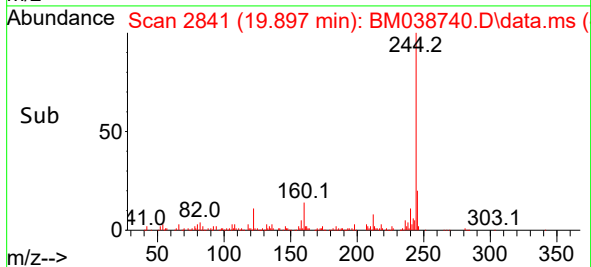
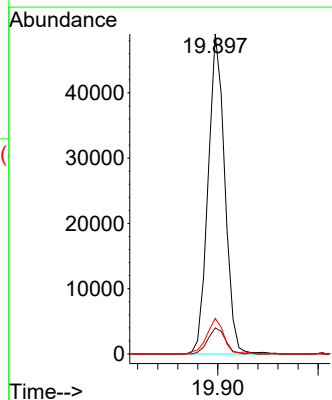
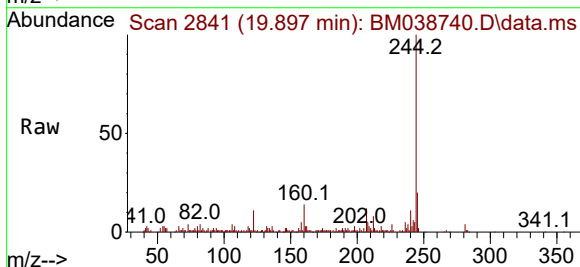
Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL

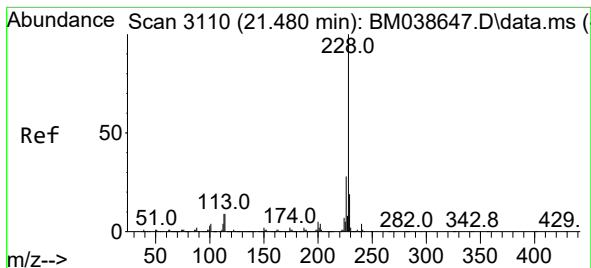
Tgt Ion:202 Resp: 251408
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.8 26.6
 203 17.1 13.5 20.3



#79
 Terphenyl-d14
 Concen: 3.989 ng
 RT: 19.897 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

Tgt Ion:244 Resp: 56765
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 11.1 7.8 11.8





#81

Benzo(a)anthracene

Concen: 6.094 ng

RT: 21.444 min Scan# 3110

Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL

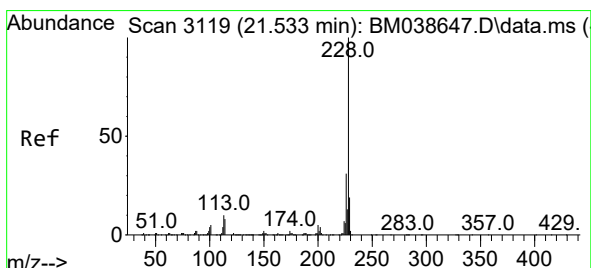
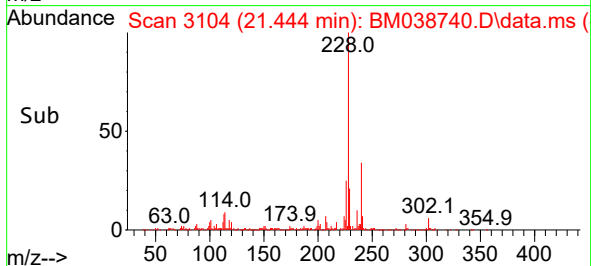
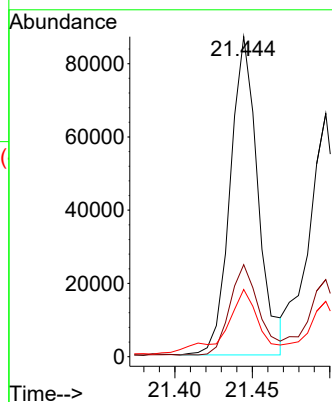
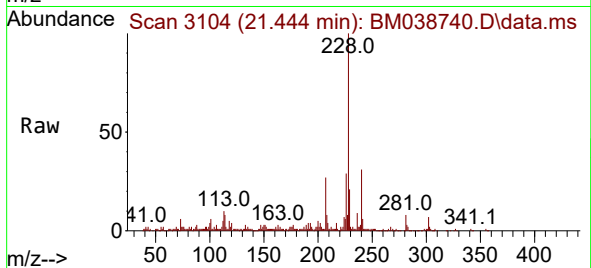
Tgt Ion:228 Resp: 108241

Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

229 21.0 15.5 23.3



#83

Chrysene

Concen: 5.082 ng

RT: 21.497 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

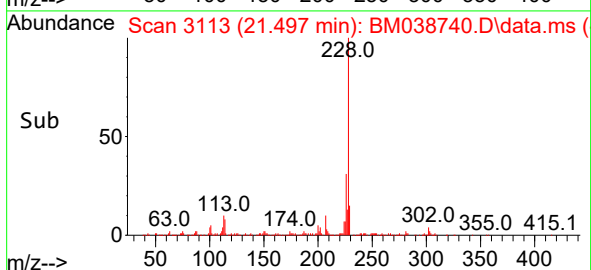
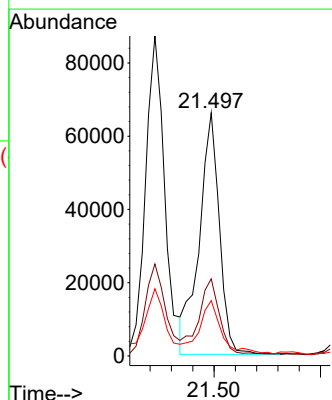
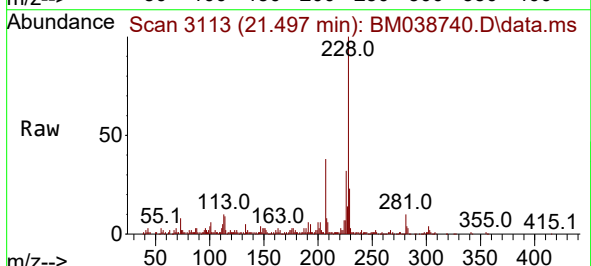
Tgt Ion:228 Resp: 86978

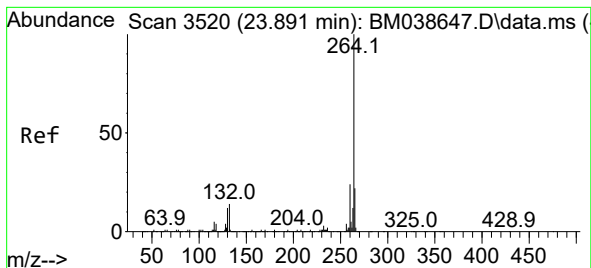
Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

229 22.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.838 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL

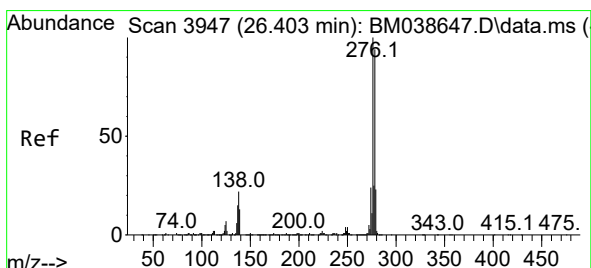
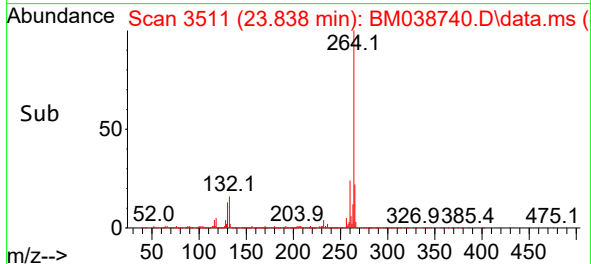
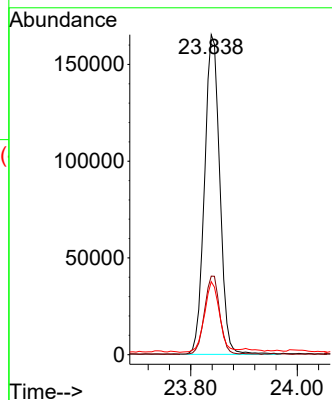
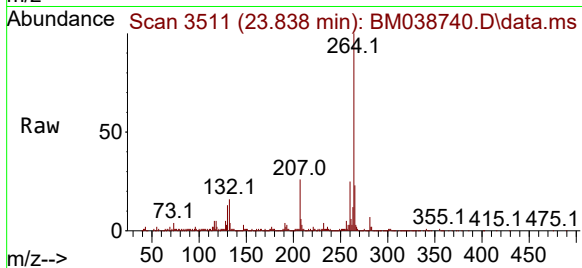
Tgt Ion:264 Resp: 328105

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 22.8 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.549 ng

RT: 26.303 min Scan# 3930

Delta R.T. -0.012 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

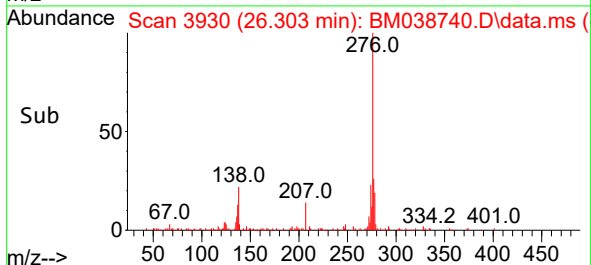
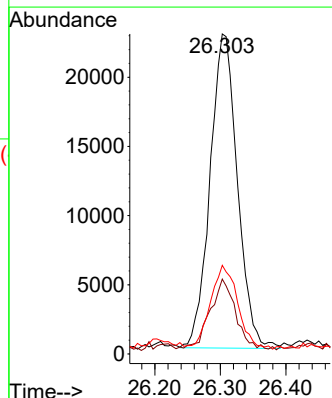
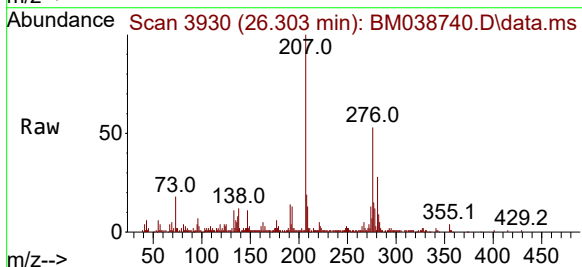
Tgt Ion:276 Resp: 65879

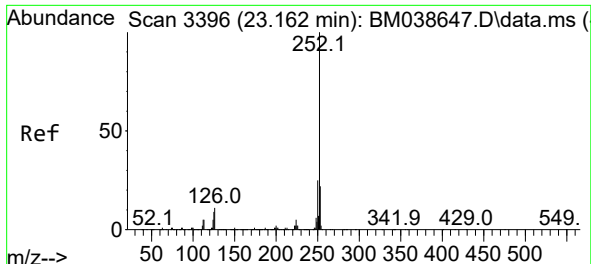
Ion Ratio Lower Upper

276 100

138 21.5 17.2 25.8

277 26.9 20.2 30.4

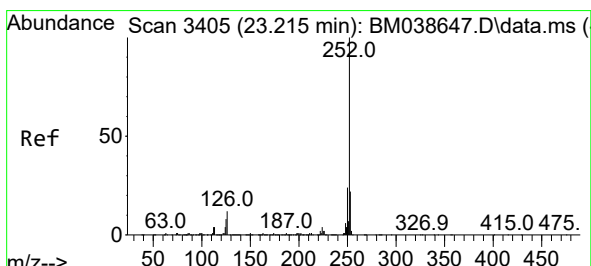
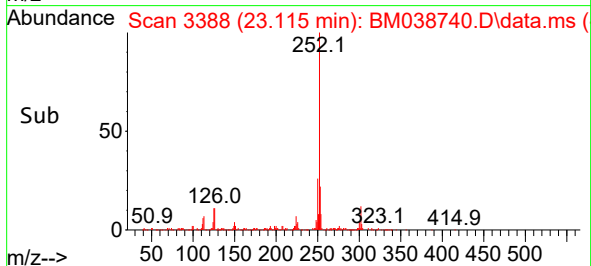
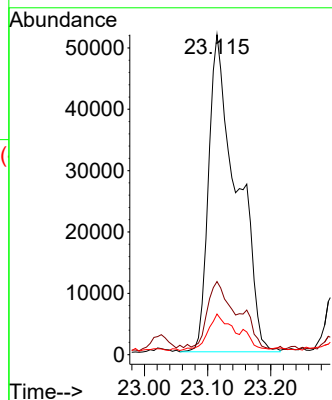
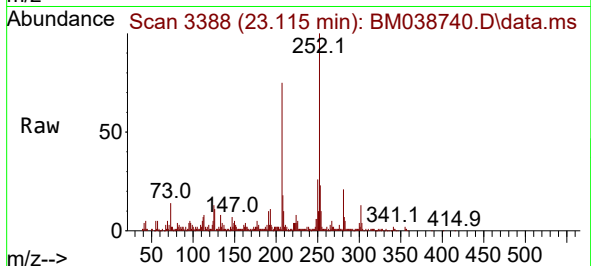




#88
Benzo(b)fluoranthene
Concen: 8.191 ng
RT: 23.115 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

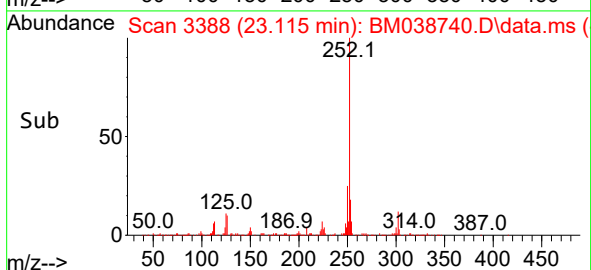
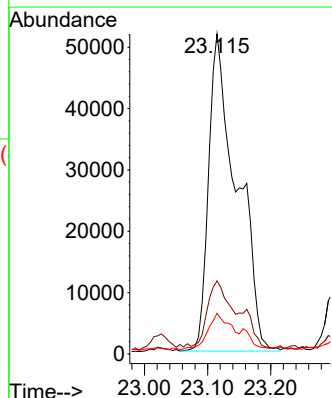
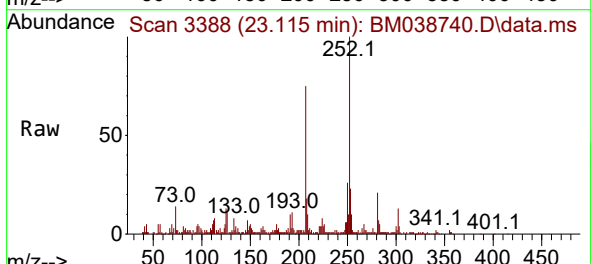
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

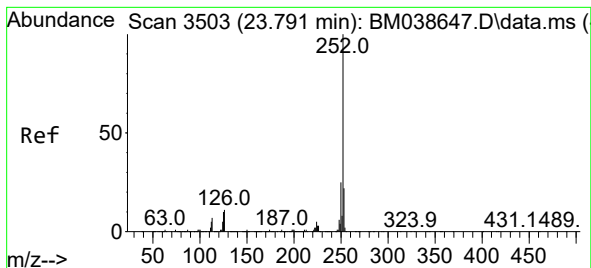
Tgt Ion:252 Resp: 160971
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 12.7 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 8.066 ng
RT: 23.115 min Scan# 3388
Delta R.T. -0.047 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:252 Resp: 160971
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.7 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 4.631 ng

RT: 23.732 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL

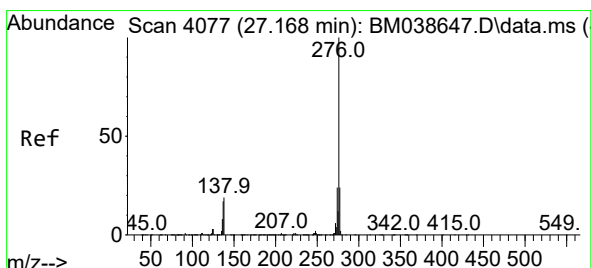
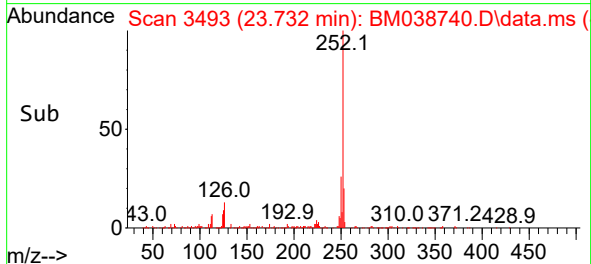
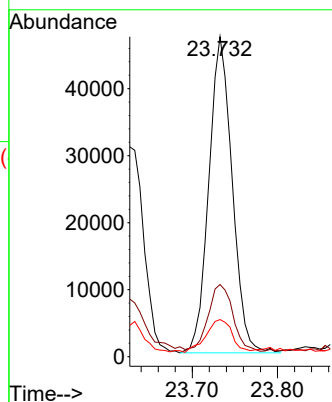
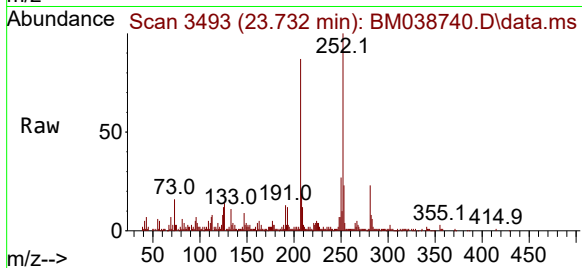
Tgt Ion:252 Resp: 89994

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 11.6 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 2.944 ng

RT: 27.073 min Scan# 4061

Delta R.T. -0.006 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Tgt Ion:276 Resp: 64716

Ion Ratio Lower Upper

276 100

277 27.5 19.1 28.7

138 19.5 15.3 22.9

