

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060923\
 Data File : BM040207.D
 Acq On : 10 Jun 2023 02:27
 Operator : MA/JU
 Sample : 03047-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB32B

Quant Time: Jun 10 04:46:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 23:25:50 2023
 Response via : Initial Calibration

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

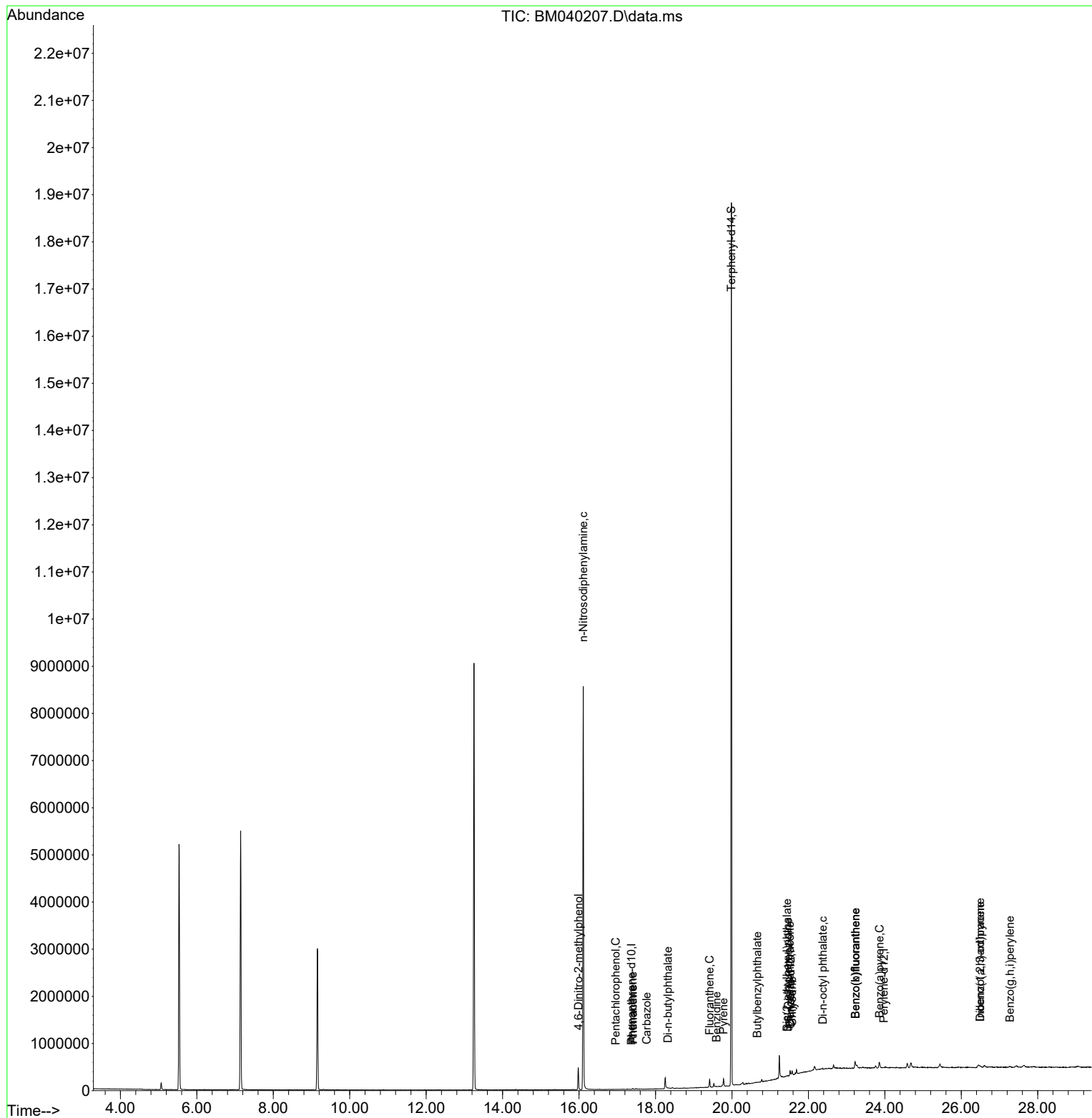
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-7.99
21) Naphthalene-d8	0.000	136	0	0.000	ng	-10.80
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.63
64) Phenanthrene-d10	17.368	188	318	20.000	ng	# 0.00
76) Chrysene-d12	21.539	240	1352	20.000	ng	#-0.01
86) Perylene-d12	23.974	264	374	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	2446481	0.000	ng	0.00
7) Phenol-d6	7.145	99	3241793	0.000	ng	0.00
23) Nitrobenzene-d5	9.151	82	1690411	0.000	ng	0.00
42) 2,4,6-Tribromophenol	16.110	330	1601973	0.000	ng	0.00
45) 2-Fluorobiphenyl	13.251	172	4541491	0.000	ng	0.00
79) Terphenyl-d14	19.986	244	8484428	115682.062	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	15.986	198	60	33.638	ng	# 1
66) n-Nitrosodiphenylamine	16.110	169	45584	4376.516	ng	# 47
70) Pentachlorophenol	16.962	266	139	51.695	ng	# 18
71) Phenanthrene	17.409	178	11549	623.300	ng	95
72) Anthracene	17.409	178	11549	624.780	ng	95
73) Carbazole	17.774	167	1301	73.788	ng	# 82
74) Di-n-butylphthalate	18.327	149	6835	345.652	ng	# 91
75) Fluoranthene	19.415	202	84351	4289.969	ng	98
77) Benzidine	19.598	184	115	4.529	ng	# 67
78) Pyrene	19.780	202	84025	932.014	ng	98
80) Butylbenzylphthalate	20.662	149	365	10.017	ng	# 63
81) Benzo(a)anthracene	21.521	228	46331	502.529	ng	99
82) 3,3'-Dichlorobenzidine	21.474	252	694	22.650	ng	# 8
83) Chrysene	21.574	228	43335	496.174	ng	95
84) Bis(2-ethylhexyl)phtha...	21.445	149	4322	80.316	ng	# 92
85) Di-n-octyl phthalate	22.380	149	876	10.025	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.497	276	26598	948.480	ng	96
88) Benzo(b)fluoranthene	23.233	252	86431	3815.784	ng	# 92
89) Benzo(k)fluoranthene	23.233	252	86431	3650.916	ng	# 93
90) Benzo(a)pyrene	23.862	252	40543	1874.259	ng	# 88
91) Dibenzo(a,h)anthracene	26.497	278	7943	328.111	ng	# 63
92) Benzo(g,h,i)perylene	27.274	276	22480	1081.036	ng	98

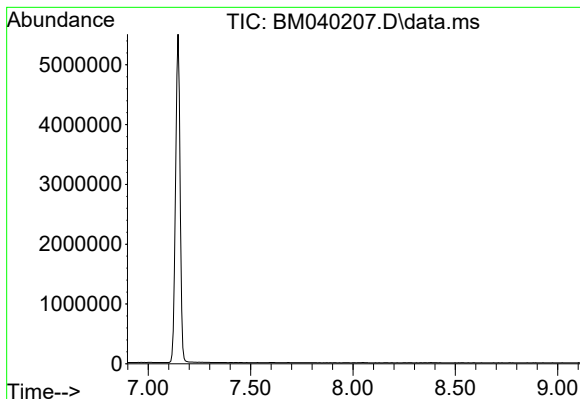
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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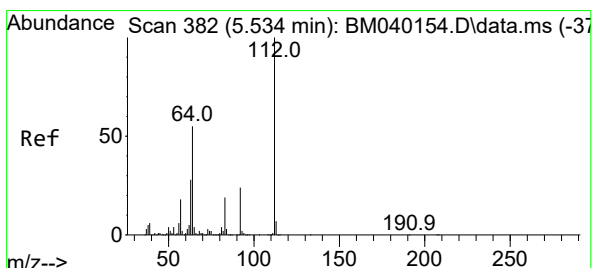
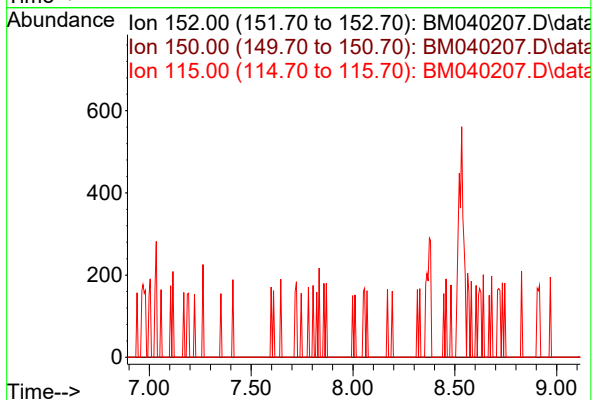




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.99 min
 Lab File: BM040207.D
 Acq: 10 Jun 2023 02:27

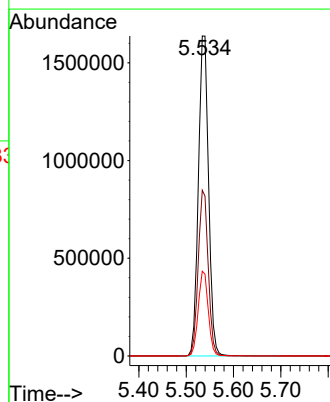
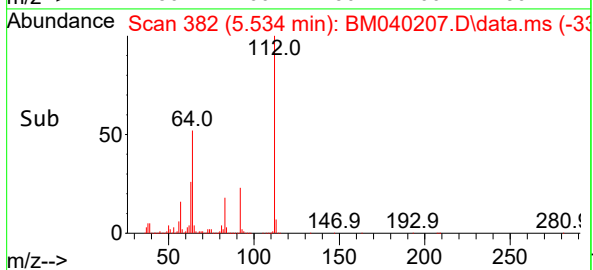
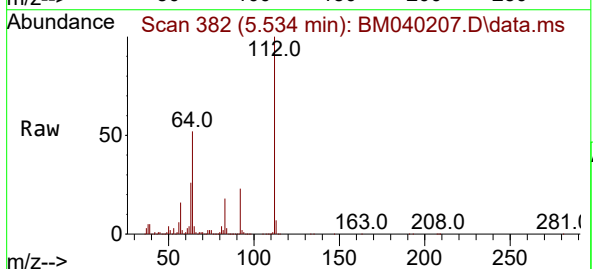
Instrument :
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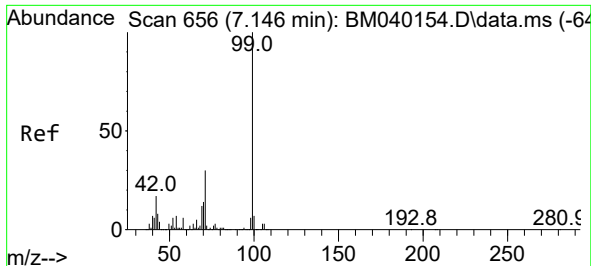
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 151.7
 115 60.3



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.534 min Scan# 382
 Delta R.T. -0.000 min
 Lab File: BM040207.D
 Acq: 10 Jun 2023 02:27

Tgt Ion: 112 Resp: 2446481
 Ion Ratio Lower Upper
 112 100
 64 51.8 43.8 65.6
 63 26.5 22.8 34.2

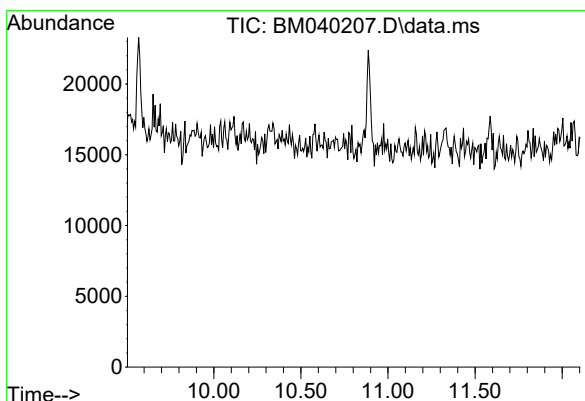
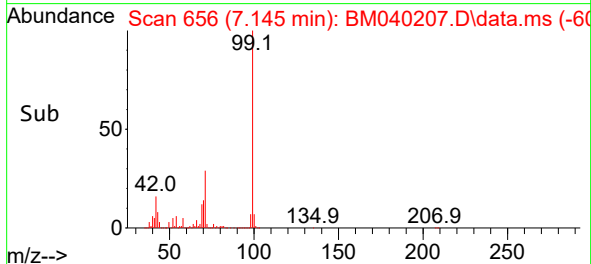
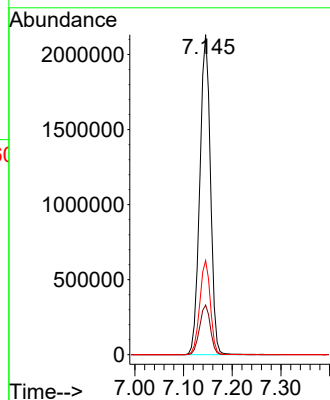
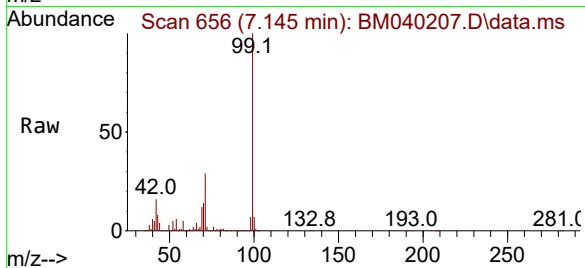




#7
Phenol-d6
Concen: 0.000 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Instrument :
BNA_M
ClientSampleId :
SB32B

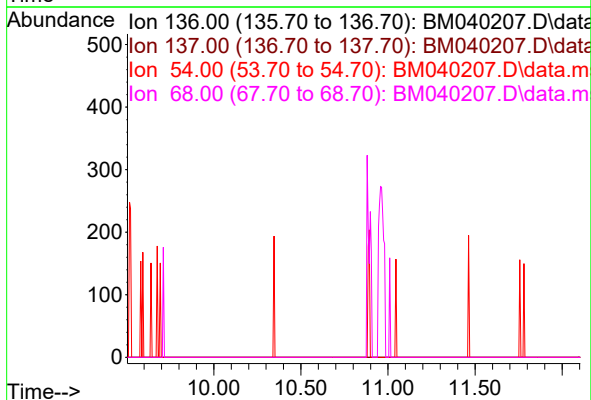
Tgt Ion: 99 Resp: 3241793
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.2
71 29.4 24.3 36.5

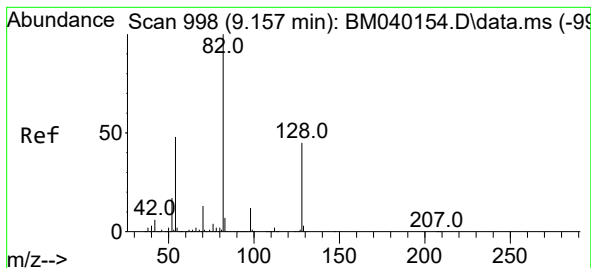


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.80 min

Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.0
54 7.8
68 6.2

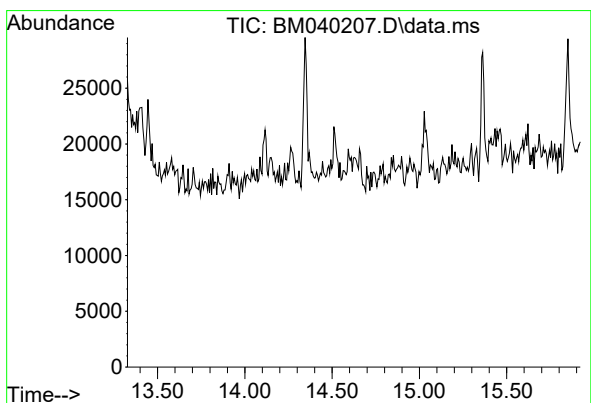
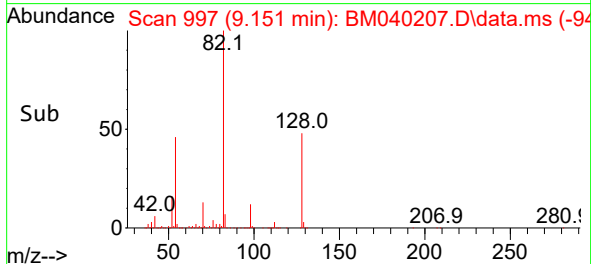
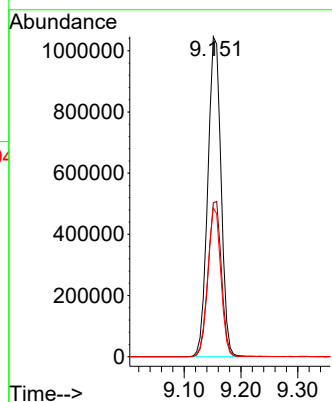
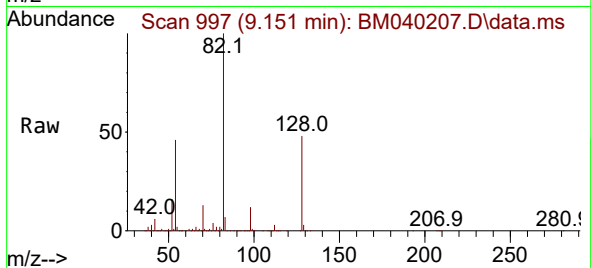




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

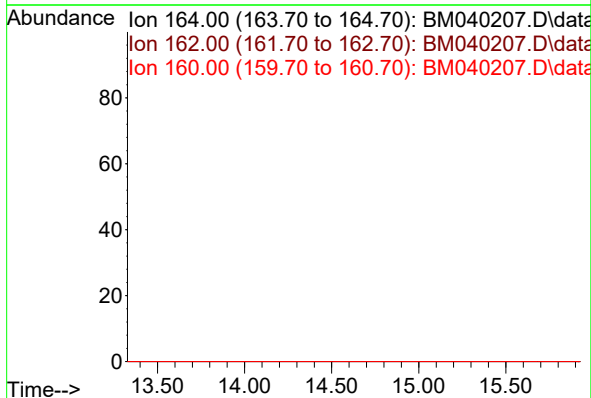
Instrument :
BNA_M
ClientSampleId :
SB32B

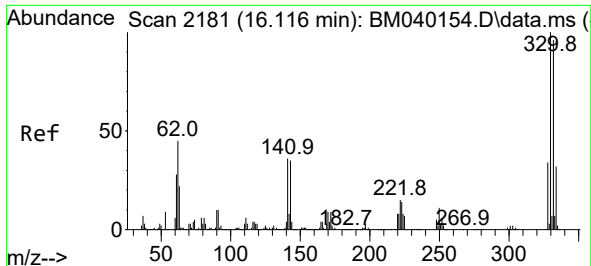
Tgt Ion: 82 Resp: 1690411
Ion Ratio Lower Upper
82 100
128 48.1 36.0 54.0
54 46.5 38.5 57.7



#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 14.63 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion: 164
Sig Exp Ratio
164 100
162 100.5
160 44.9

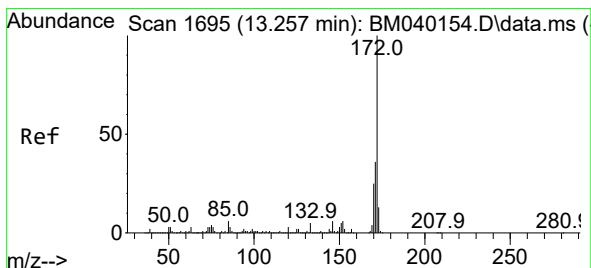
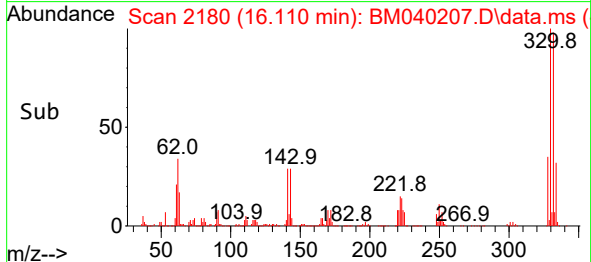
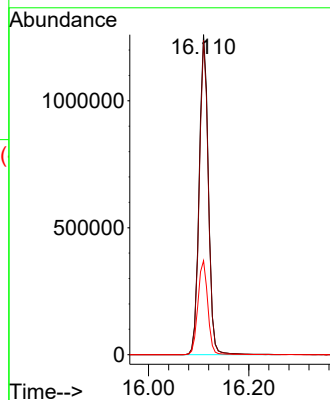
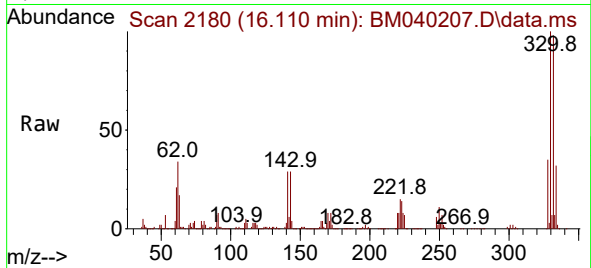




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 16.110 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

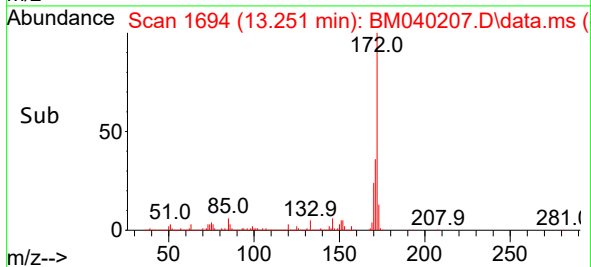
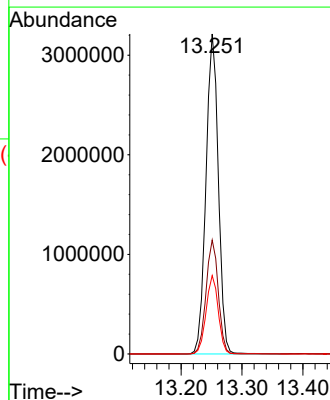
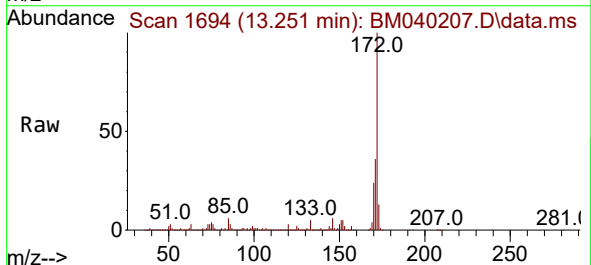
Instrument :
BNA_M
ClientSampleId :
SB32B

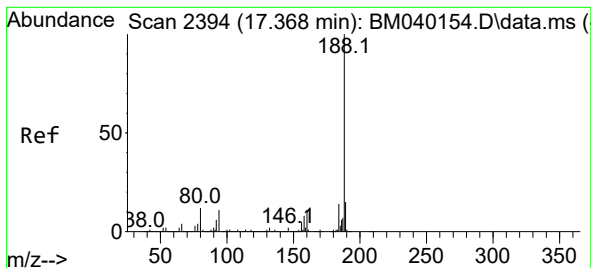
Tgt Ion:330 Resp: 1601973
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 31.4 31.6 47.4#



#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 13.251 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion:172 Resp: 4541491
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.5 19.8 29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.368 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

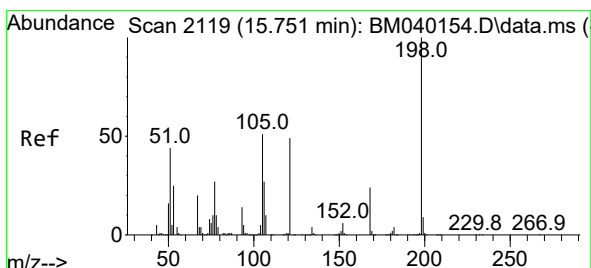
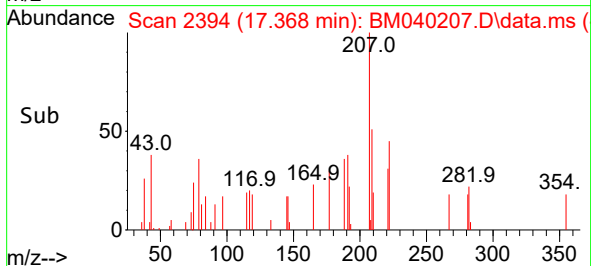
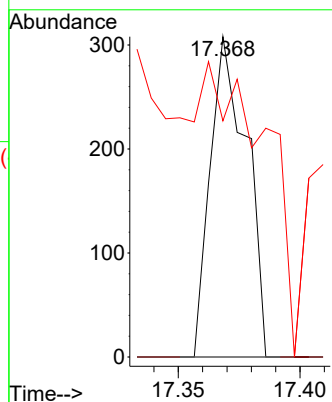
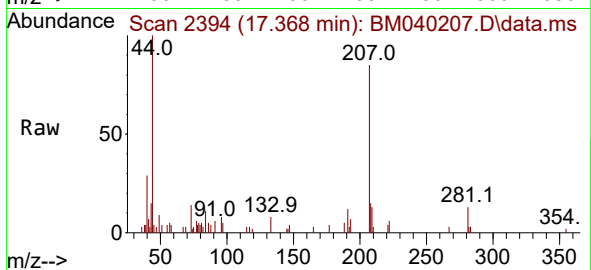
Tgt Ion:188 Resp: 318

Ion Ratio Lower Upper

188 100

94 0.0 8.9 13.3#

80 73.7 9.6 14.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 33.638 ng

RT: 15.986 min Scan# 2159

Delta R.T. 0.235 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

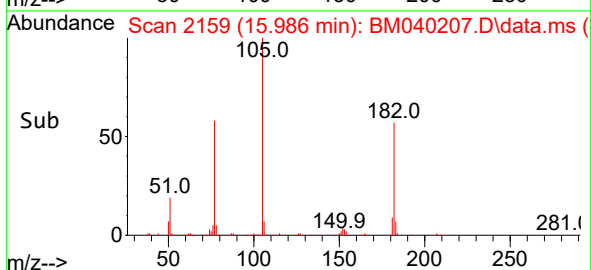
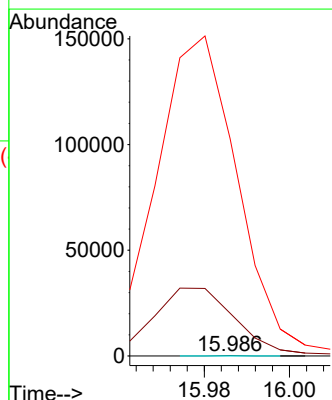
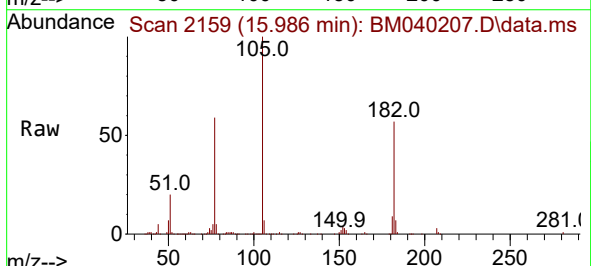
Tgt Ion:198 Resp: 60

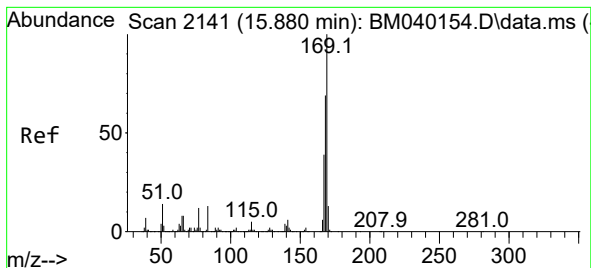
Ion Ratio Lower Upper

198 100

51 11971.6 30.6 70.6#

105 60809.5 32.5 72.5#





#66

n-Nitrosodiphenylamine

Concen: 4376.516 ng

RT: 16.110 min Scan# 2141

Delta R.T. 0.230 min

Lab File: BM040207.D

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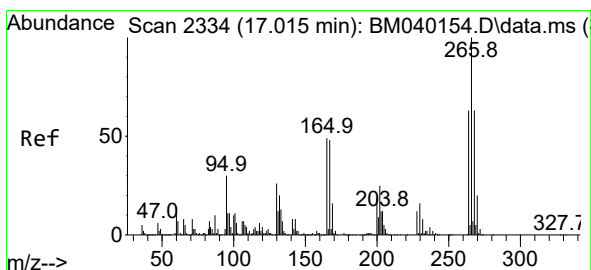
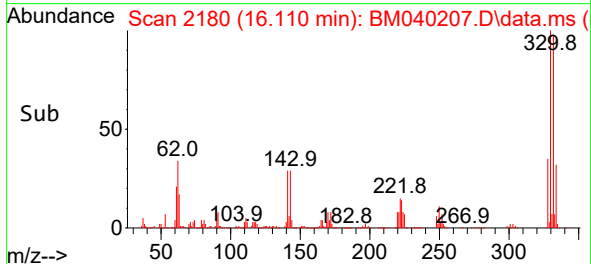
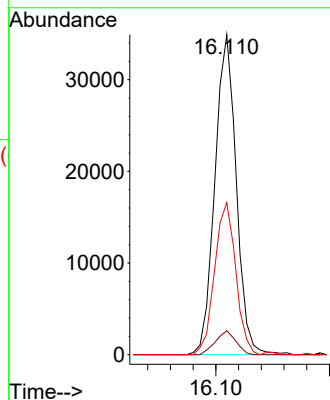
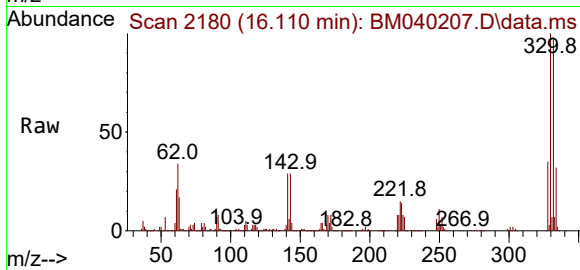
Tgt Ion:169 Resp: 45584

Ion Ratio Lower Upper

169 100

168 7.5 55.6 83.4#

167 47.5 31.3 46.9#



#70

Pentachlorophenol

Concen: 51.695 ng

RT: 16.962 min Scan# 2325

Delta R.T. -0.053 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

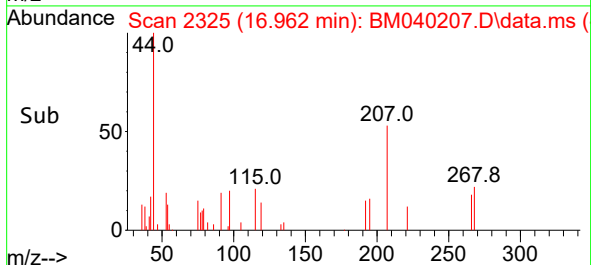
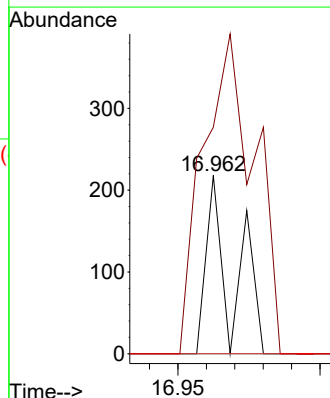
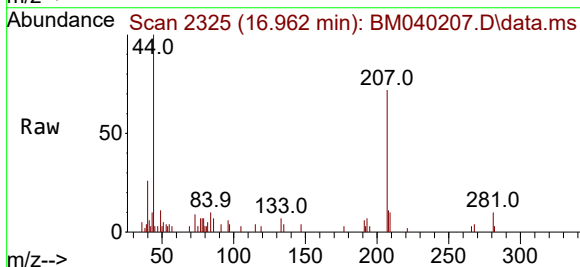
Tgt Ion:266 Resp: 139

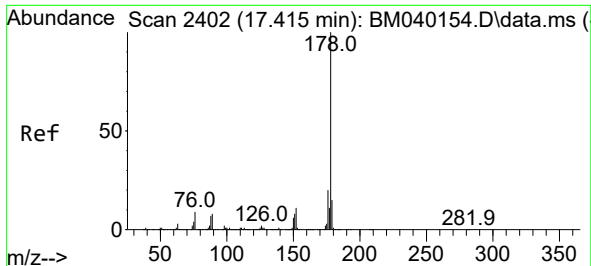
Ion Ratio Lower Upper

266 100

268 127.1 50.4 75.6#

264 0.0 50.1 75.1#

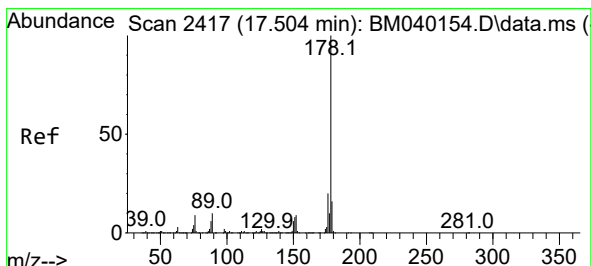
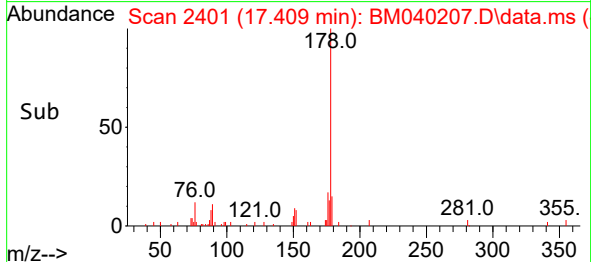
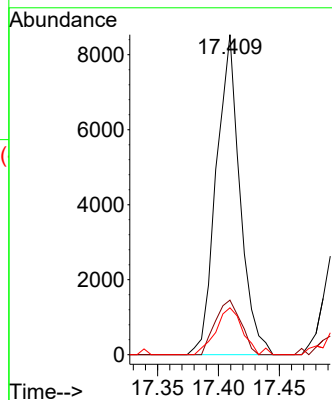
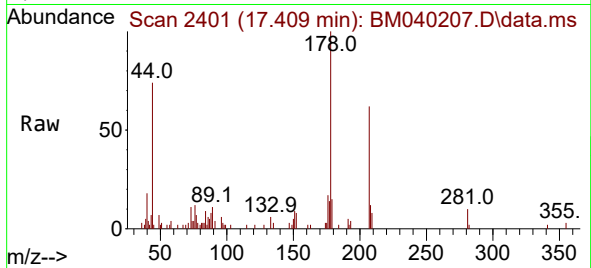




#71
Phenanthrene
Concen: 623.300 ng
RT: 17.409 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

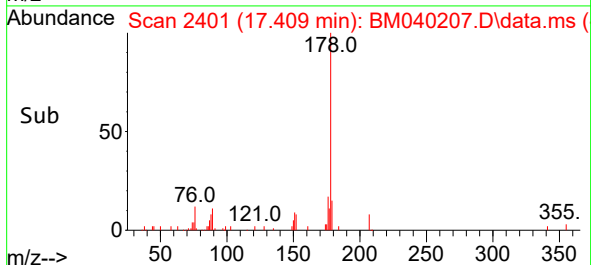
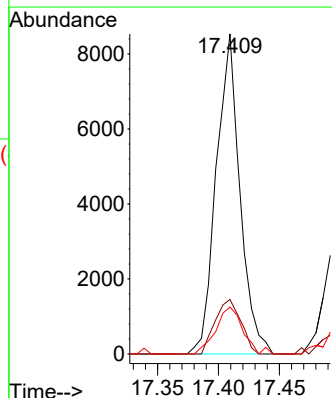
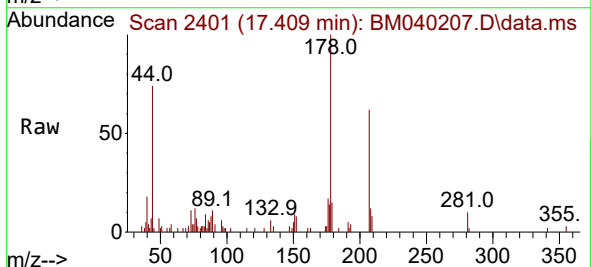
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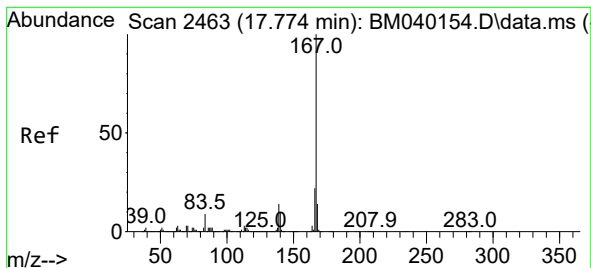
Tgt Ion:178 Resp: 11549
Ion Ratio Lower Upper
178 100
176 17.0 16.4 24.6
179 14.7 12.3 18.5



#72
Anthracene
Concen: 624.780 ng
RT: 17.409 min Scan# 2401
Delta R.T. -0.094 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion:178 Resp: 11549
Ion Ratio Lower Upper
178 100
176 17.0 16.0 24.0
179 14.7 12.6 19.0





#73

Carbazole

Concen: 73.788 ng

RT: 17.774 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

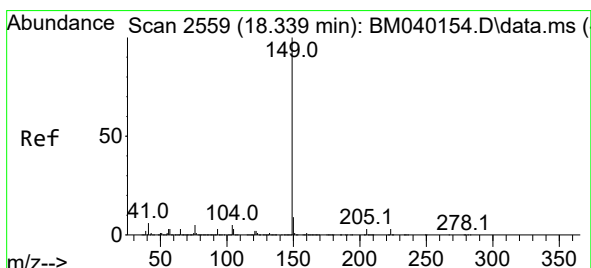
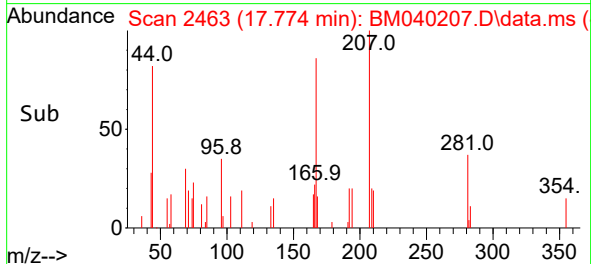
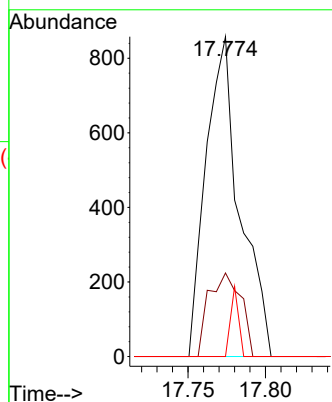
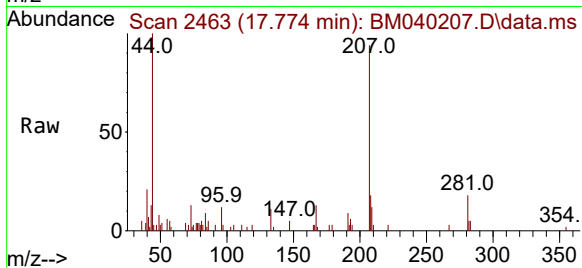
Tgt Ion:167 Resp: 1301

Ion Ratio Lower Upper

167 100

166 26.1 17.8 26.8

139 0.0 11.0 16.4#



#74

Di-n-butylphthalate

Concen: 345.652 ng

RT: 18.327 min Scan# 2557

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

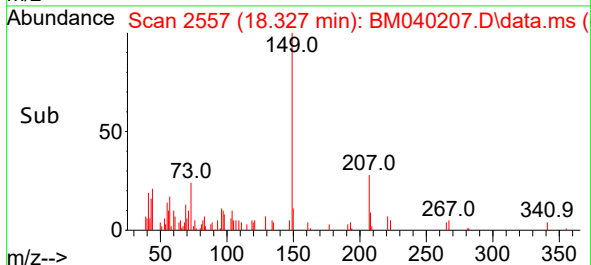
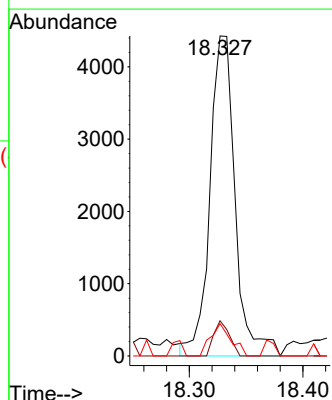
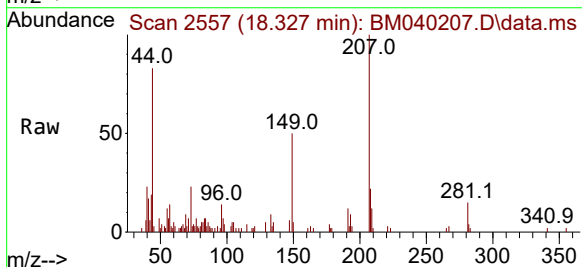
Tgt Ion:149 Resp: 6835

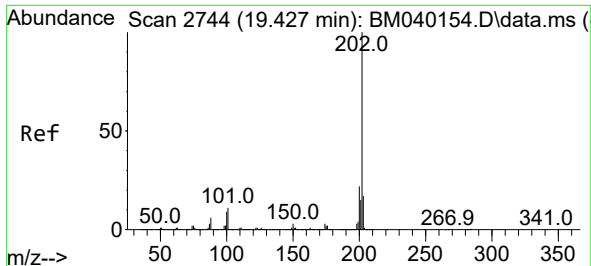
Ion Ratio Lower Upper

149 100

150 11.0 7.3 10.9#

104 10.1 4.1 6.1#

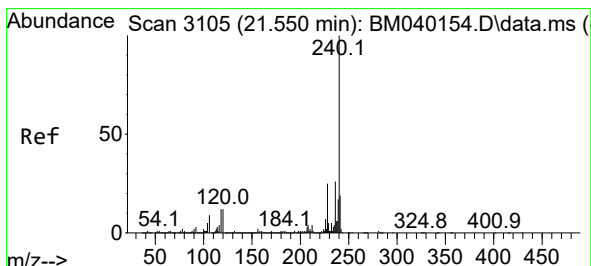
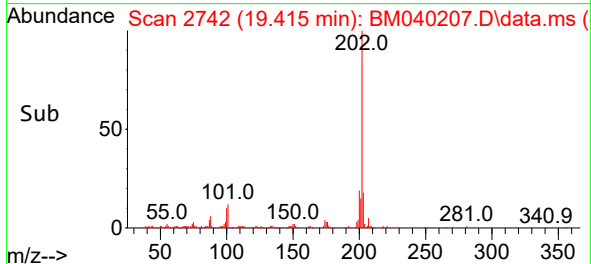
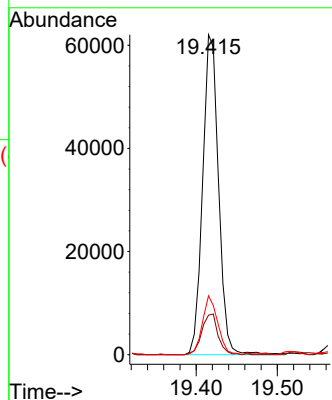
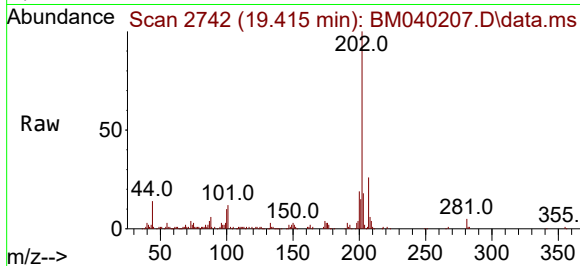




#75
Fluoranthene
Concen: 4289.969 ng
RT: 19.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

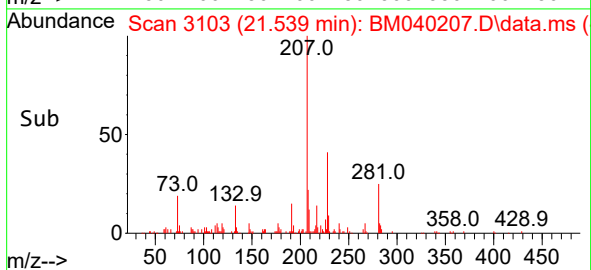
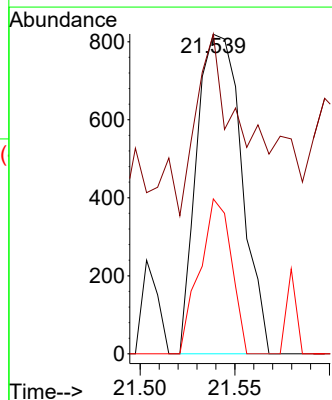
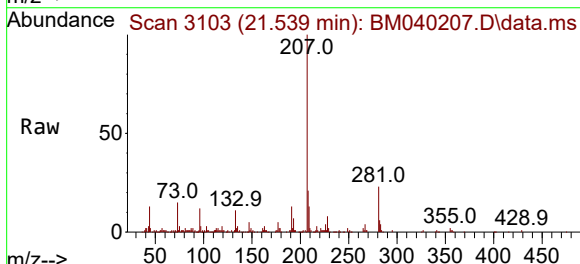
Instrument :
BNA_M
ClientSampleId :
SB32B

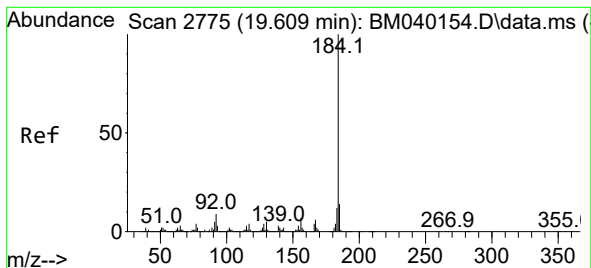
Tgt Ion:202 Resp: 84351
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion:240 Resp: 1352
Ion Ratio Lower Upper
240 100
120 100.1 9.9 14.9#
236 48.5 21.1 31.7#





#77

Benzidine

Concen: 4.529 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

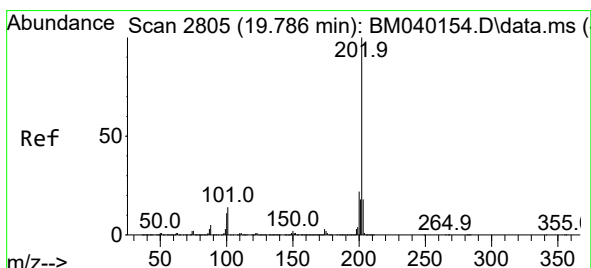
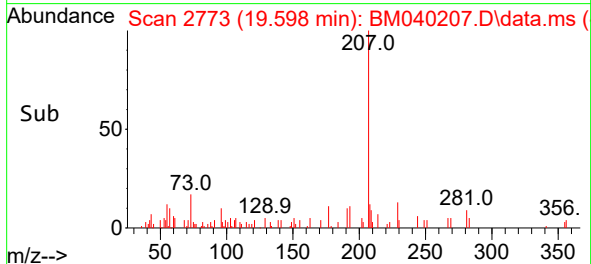
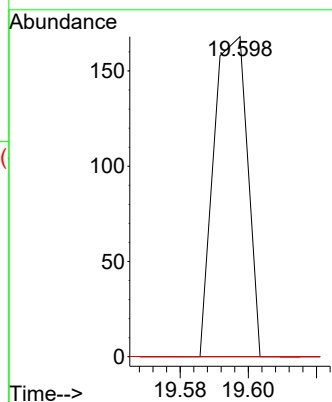
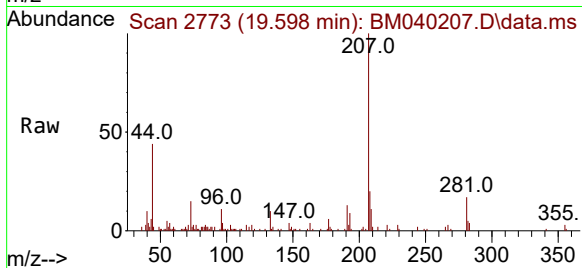
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

185 0.0 11.6 17.4#

183 0.0 9.4 14.0#



#78

Pyrene

Concen: 932.014 ng

RT: 19.780 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

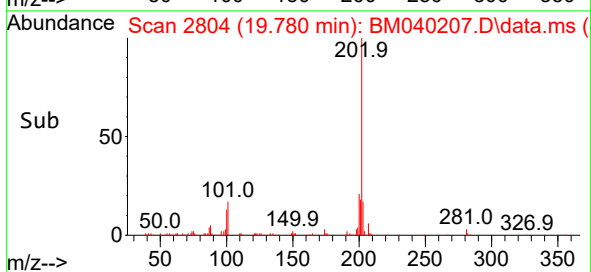
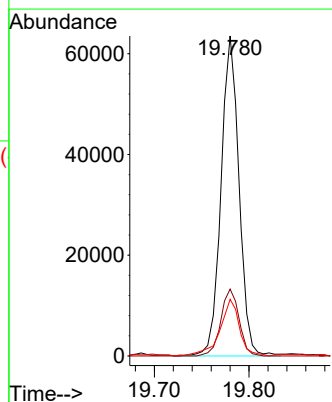
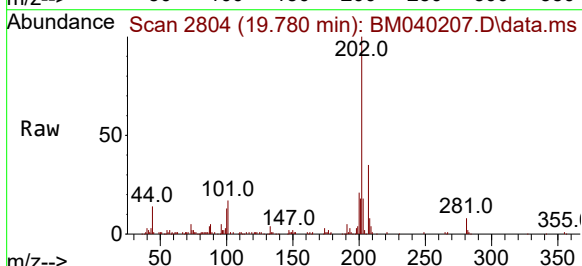
Tgt Ion:202 Resp: 84025

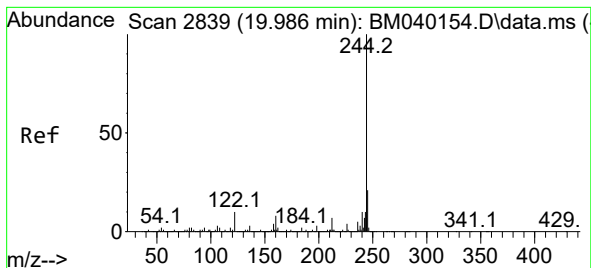
Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.8

203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 115682.062 ng

RT: 19.986 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

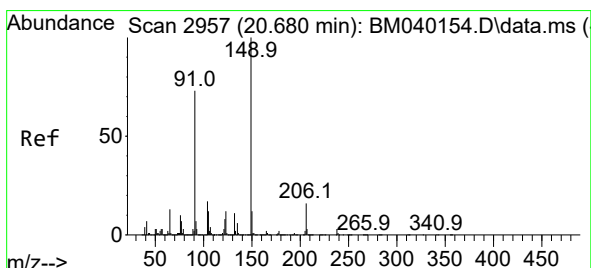
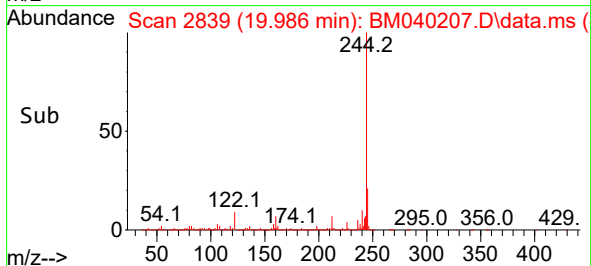
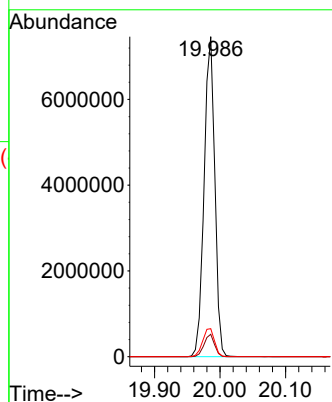
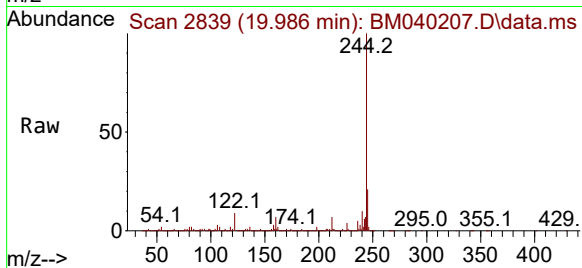
Tgt Ion:244 Resp: 8484428

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 8.8 7.9 11.9



#80

Butylbenzylphthalate

Concen: 10.017 ng

RT: 20.662 min Scan# 2954

Delta R.T. -0.018 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

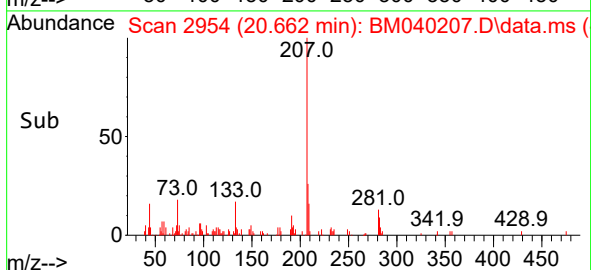
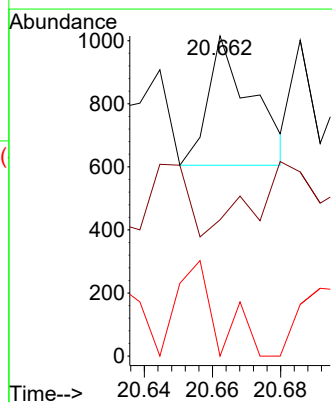
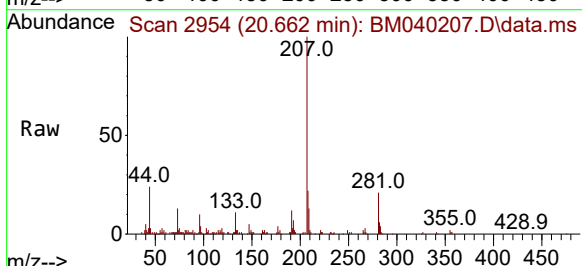
Tgt Ion:149 Resp: 365

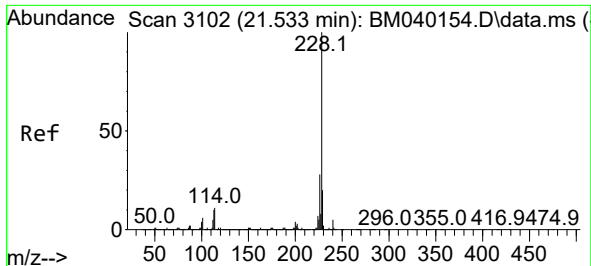
Ion Ratio Lower Upper

149 100

91 42.6 58.3 87.5#

206 0.0 13.2 19.8#

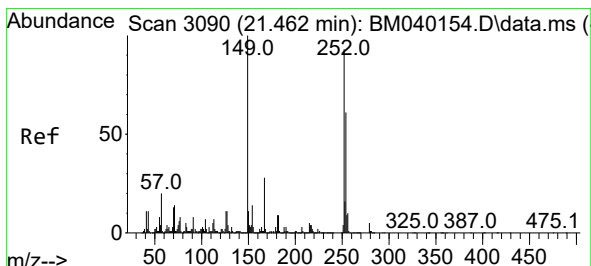
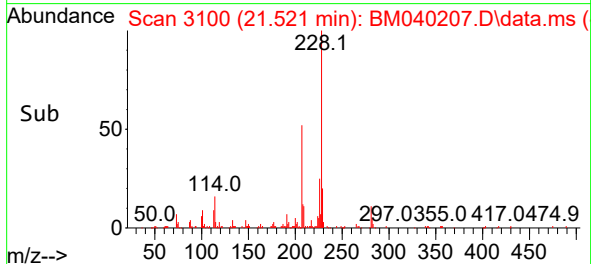
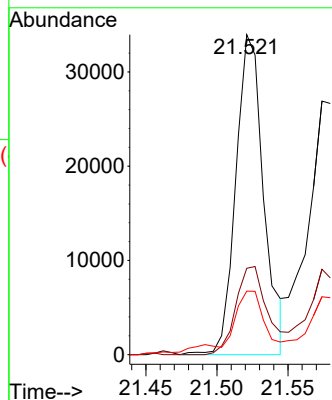
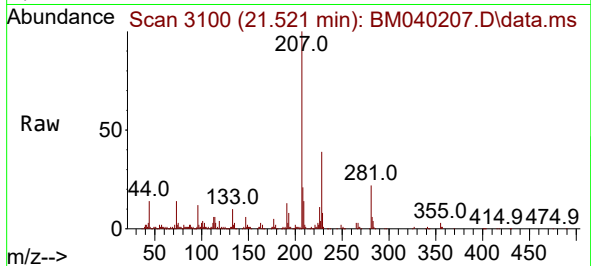




#81
Benzo(a)anthracene
Concen: 502.529 ng
RT: 21.521 min Scan# 3100
Delta R.T. -0.012 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

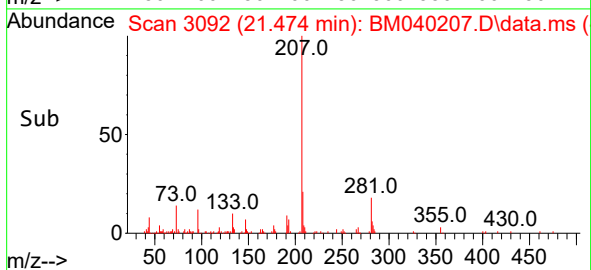
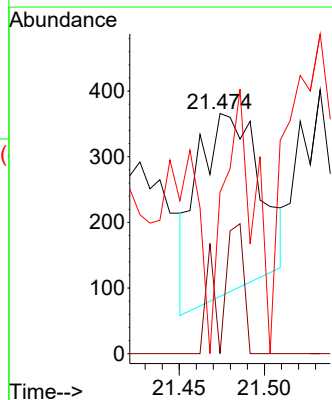
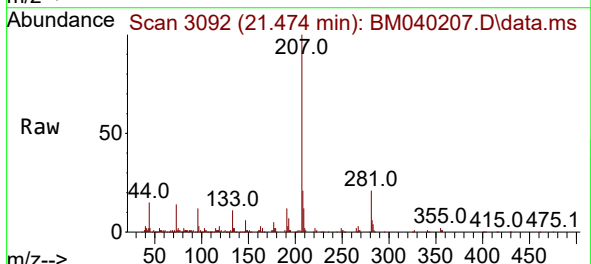
Instrument :
BNA_M
ClientSampleId :
SB32B

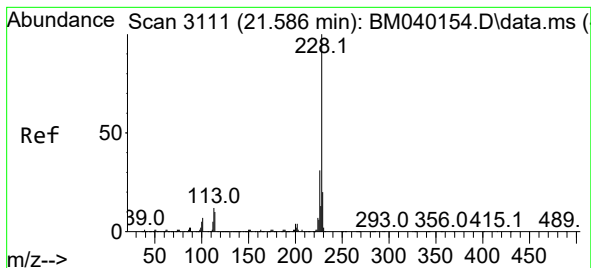
Tgt Ion:228 Resp: 46331
Ion Ratio Lower Upper
228 100
226 27.0 22.5 33.7
229 19.8 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 22.650 ng
RT: 21.474 min Scan# 3092
Delta R.T. 0.012 min
Lab File: BM040207.D
Acq: 10 Jun 2023 02:27

Tgt Ion:252 Resp: 694
Ion Ratio Lower Upper
252 100
254 0.0 52.2 78.2#
126 67.2 9.5 14.3#





#83

Chrysene

Concen: 496.174 ng

RT: 21.574 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

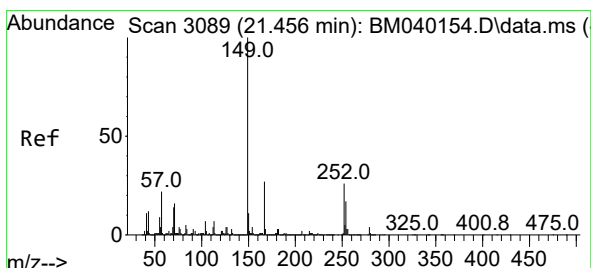
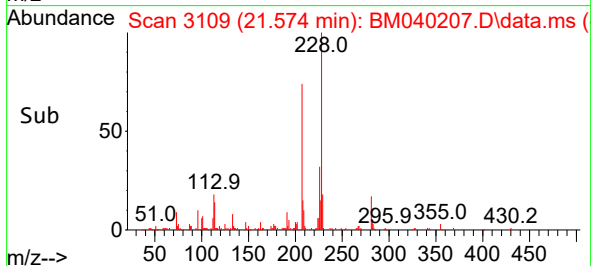
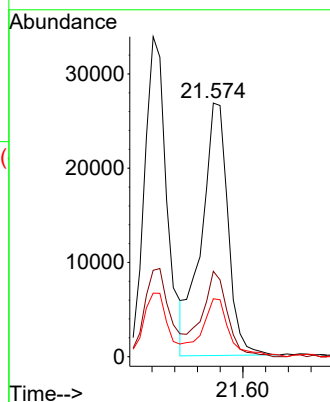
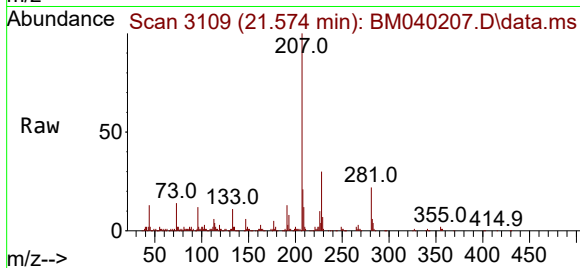
Tgt Ion:228 Resp: 43335

Ion Ratio Lower Upper

228 100

226 33.7 24.9 37.3

229 22.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 80.316 ng

RT: 21.445 min Scan# 3087

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

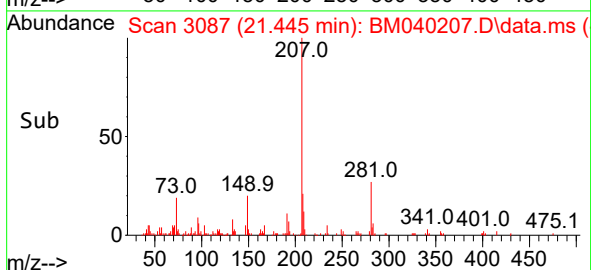
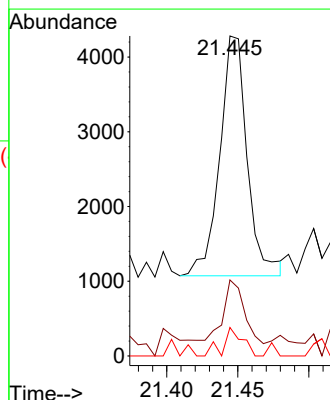
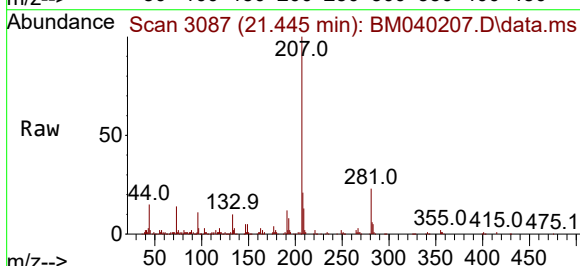
Tgt Ion:149 Resp: 4322

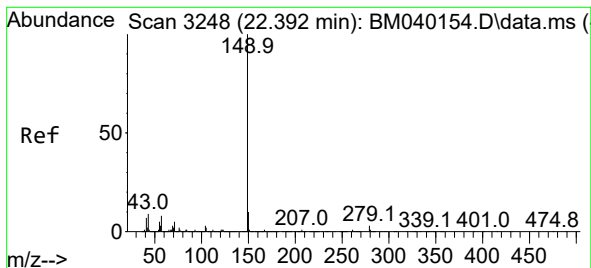
Ion Ratio Lower Upper

149 100

167 23.8 21.7 32.5

279 8.9 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 10.025 ng

RT: 22.380 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

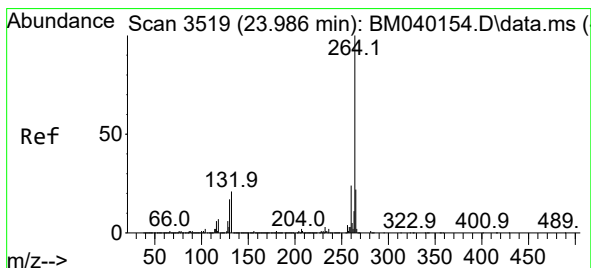
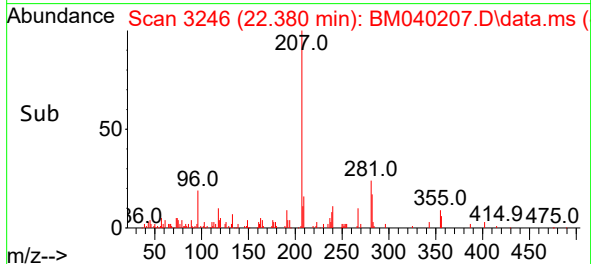
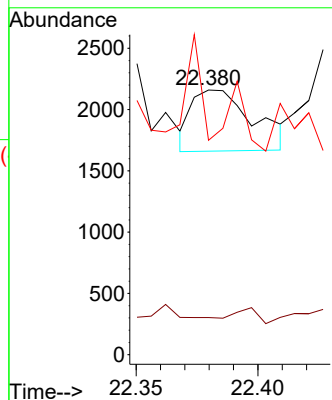
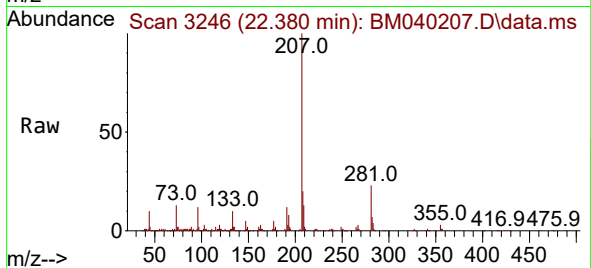
Tgt Ion:149 Resp: 876

Ion Ratio Lower Upper

149 100

167 9.6 1.1 1.7#

43 60.6 7.4 11.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.974 min Scan# 3517

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

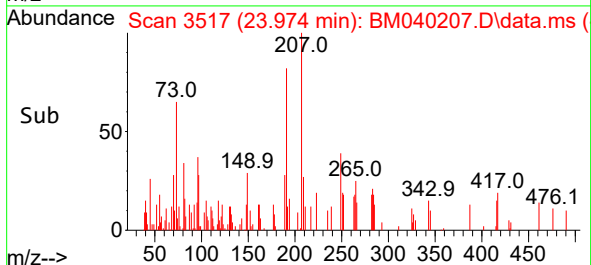
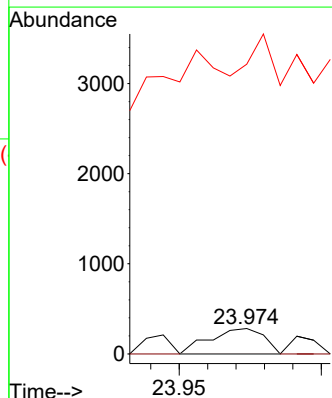
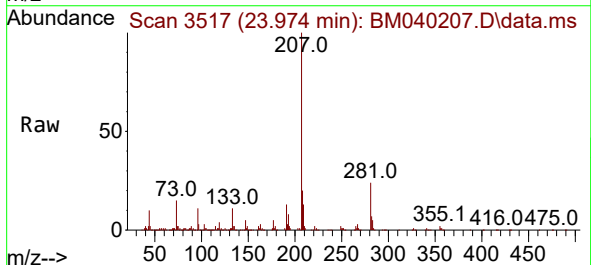
Tgt Ion:264 Resp: 374

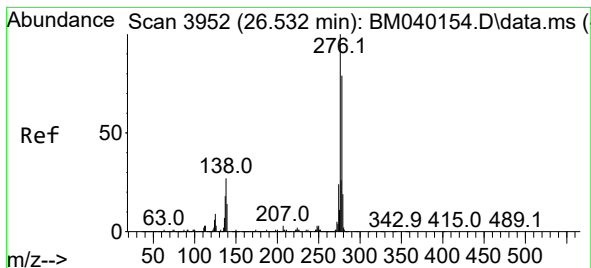
Ion Ratio Lower Upper

264 100

260 0.0 19.1 28.7#

265 1144.1 17.7 26.5#





#87

Indeno(1,2,3-cd)pyrene

Concen: 948.480 ng

RT: 26.497 min Scan# 3946

Delta R.T. -0.035 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

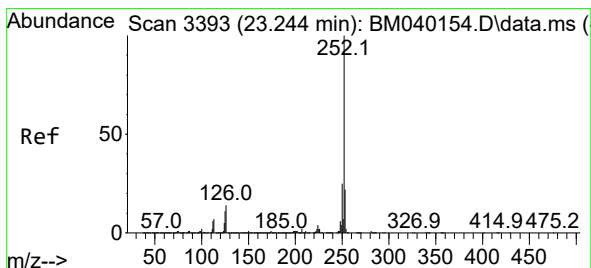
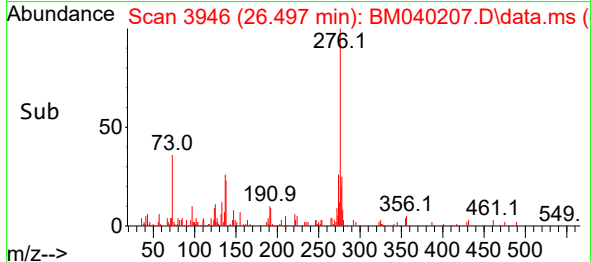
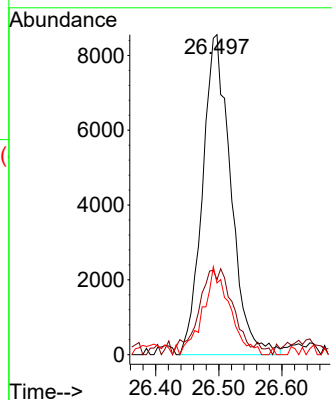
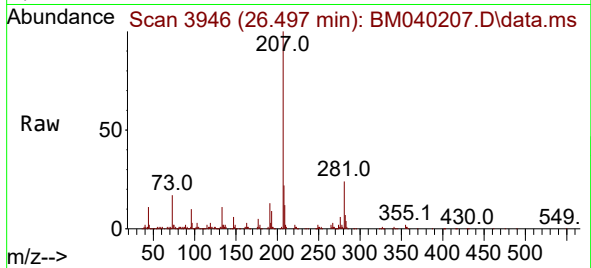
Tgt Ion:276 Resp: 26598

Ion Ratio Lower Upper

276 100

138 32.3 23.0 34.4

277 26.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 3815.784 ng

RT: 23.233 min Scan# 3391

Delta R.T. -0.012 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

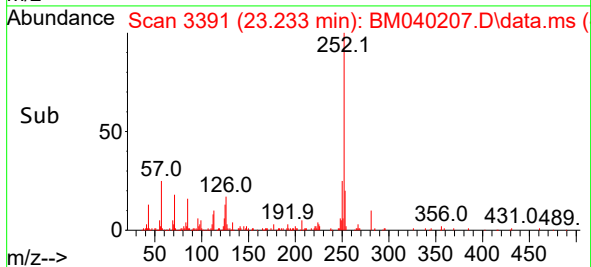
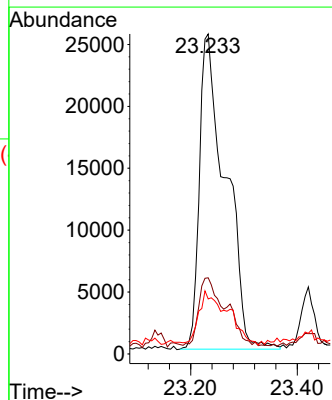
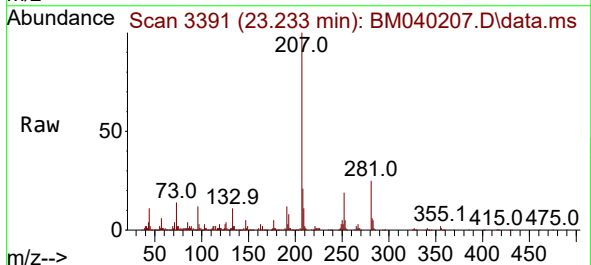
Tgt Ion:252 Resp: 86431

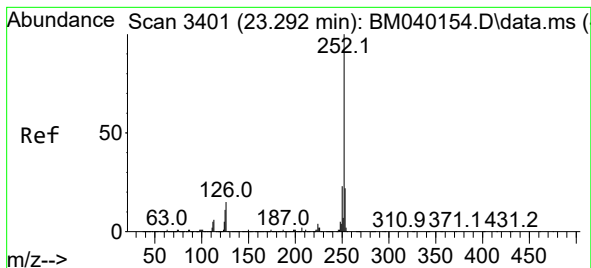
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 17.2 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 3650.916 ng

RT: 23.233 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

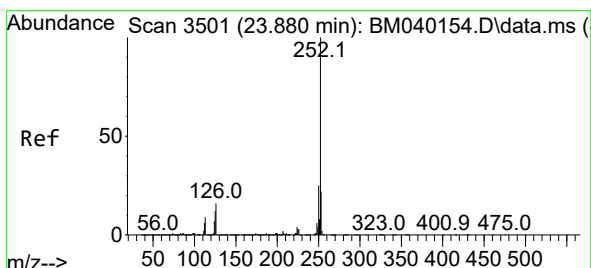
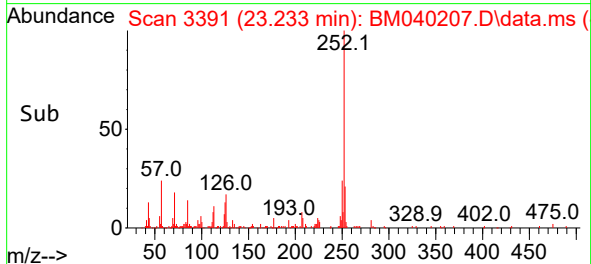
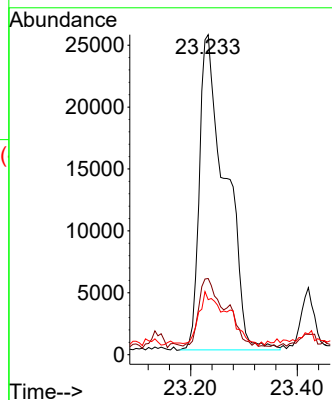
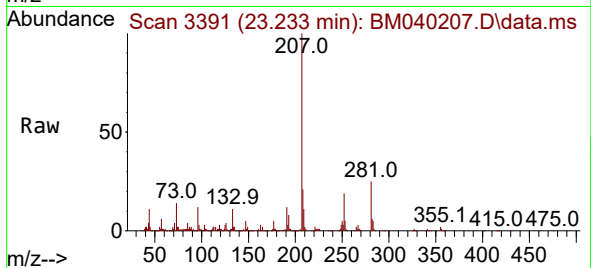
Tgt Ion:252 Resp: 86431

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 17.2 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 1874.259 ng

RT: 23.862 min Scan# 3498

Delta R.T. -0.018 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

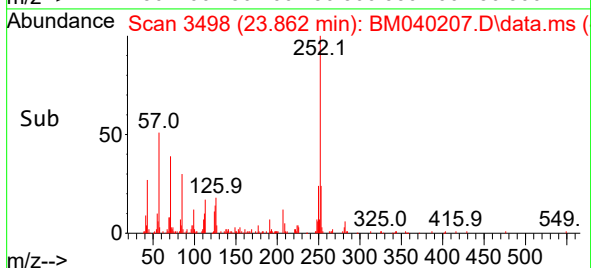
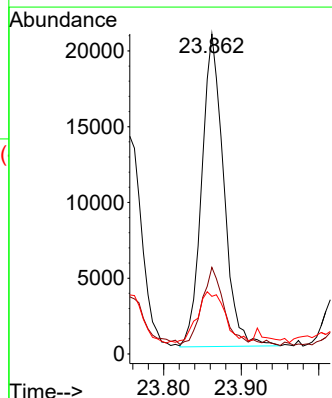
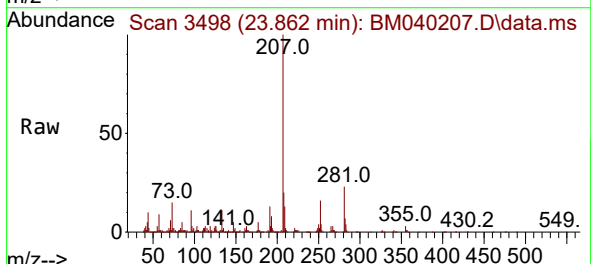
Tgt Ion:252 Resp: 40543

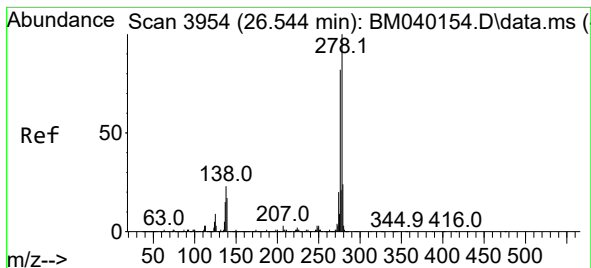
Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 18.0 9.8 14.8#





#91

Dibenzo(a,h)anthracene

Concen: 328.111 ng

RT: 26.497 min Scan# 3946

Delta R.T. -0.047 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Instrument :

BNA_M

ClientSampleId :

SB32B

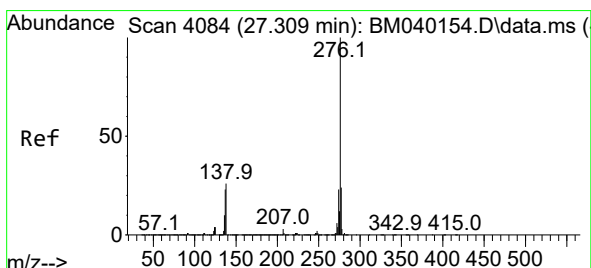
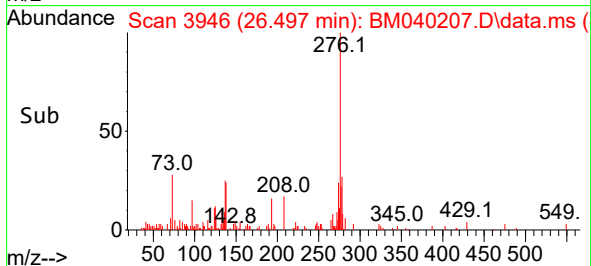
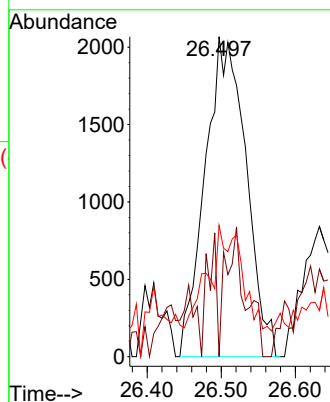
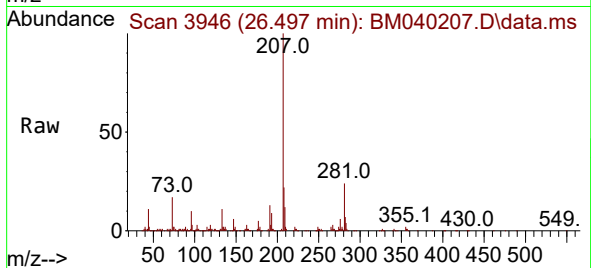
Tgt Ion:278 Resp: 7943

Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

279 41.0 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 1081.036 ng

RT: 27.274 min Scan# 4078

Delta R.T. -0.035 min

Lab File: BM040207.D

Acq: 10 Jun 2023 02:27

Tgt Ion:276 Resp: 22480

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 27.1 20.7 31.1

