

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042544.D
 Acq On : 01 Nov 2023 17:48
 Operator : MA/JU
 Sample : 05164-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-352

Quant Time: Nov 01 23:43:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

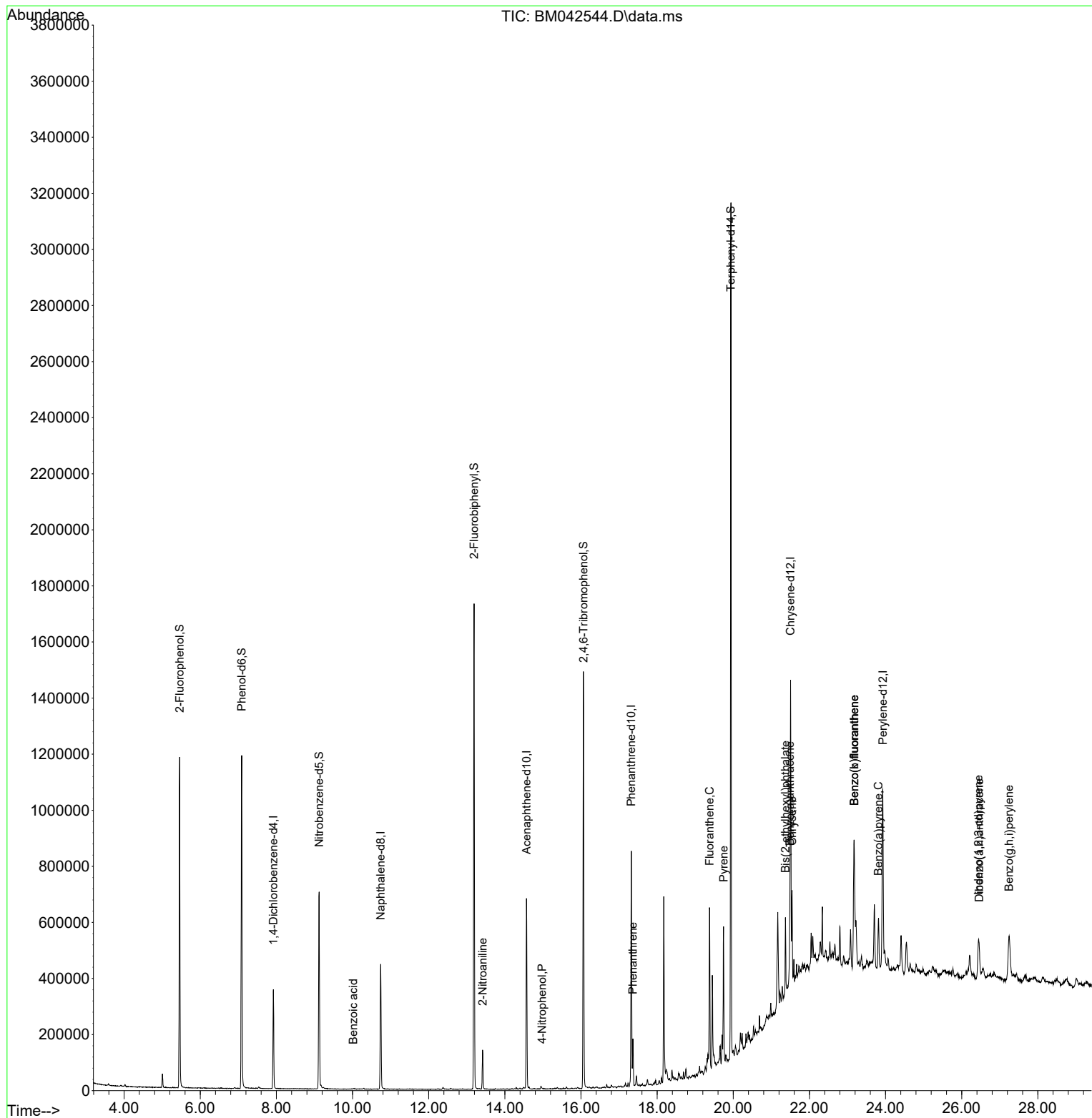
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	83302	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	326668	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	204062	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	440773	20.000	ng	0.00
76) Chrysene-d12	21.503	240	441579	20.000	ng	0.00
86) Perylene-d12	23.927	264	486675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	415373	80.474	ng	0.00
7) Phenol-d6	7.087	99	560338	79.156	ng	-0.01
23) Nitrobenzene-d5	9.122	82	383989	54.796	ng	-0.01
42) 2,4,6-Tribromophenol	16.068	330	226158	84.888	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	774765	51.089	ng	0.00
79) Terphenyl-d14	19.939	244	1329613	51.055	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.016	122	110	4.137	ng	# 84
48) 2-Nitroaniline	13.416	65	2438	4.831	ng	# 20
56) 4-Nitrophenol	14.974	139	629	7.155	ng	# 1
71) Phenanthrene	17.362	178	90847	3.944	ng	99
75) Fluoranthene	19.380	202	329381	12.173	ng	98
78) Pyrene	19.745	202	271301	8.947	ng	99
81) Benzo(a)anthracene	21.486	228	137890	4.908	ng	99
83) Chrysene	21.545	228	182239	6.386	ng	96
84) Bis(2-ethylhexyl)phtha...	21.368	149	82379	4.209	ng	100
87) Indeno(1,2,3-cd)pyrene	26.444	276	115484	3.987	ng	# 95
88) Benzo(b)fluoranthene	23.180	252	272963	10.067	ng	# 97
89) Benzo(k)fluoranthene	23.180	252	272963	9.035	ng	97
90) Benzo(a)pyrene	23.809	252	134732	5.047	ng	97
91) Dibenzo(a,h)anthracene	26.462	278	29876	5.159	ng	# 92
92) Benzo(g,h,i)perylene	27.244	276	117101	4.587	ng	95

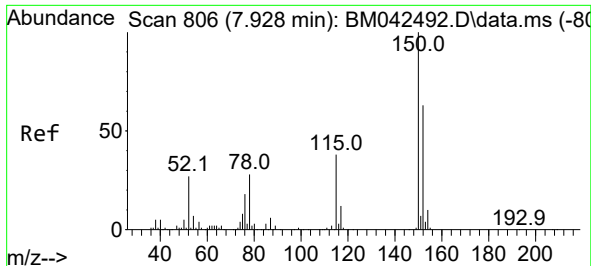
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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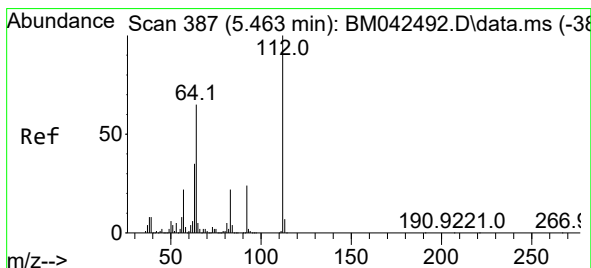
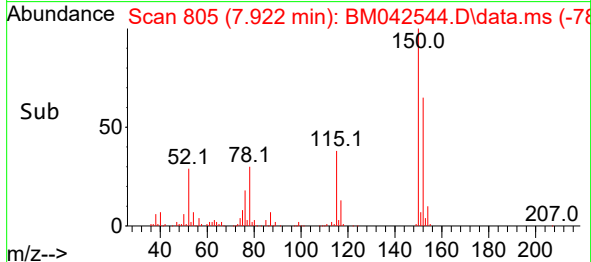
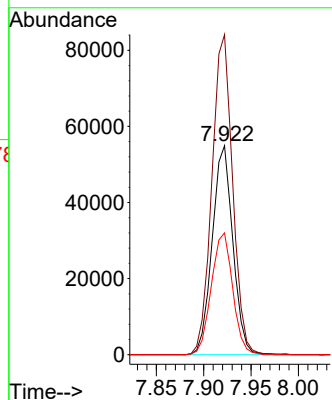
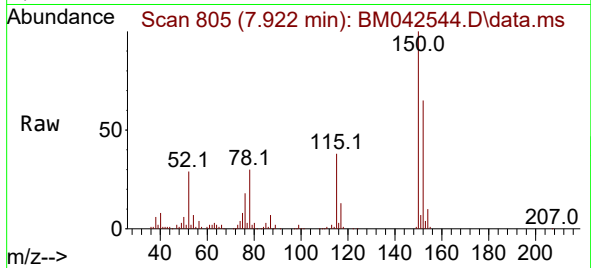




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

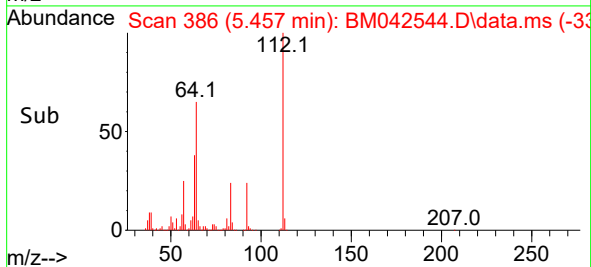
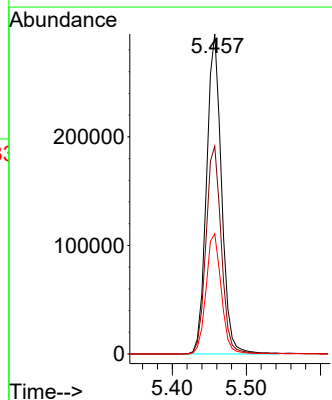
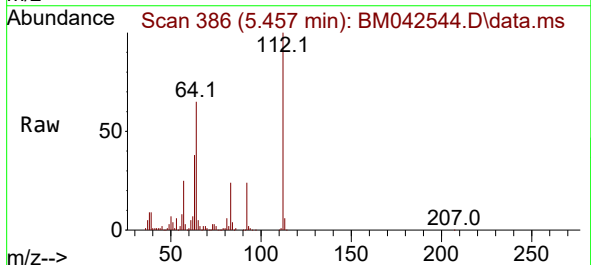
Instrument :
BNA_M
ClientSampleId :
ETGI-352

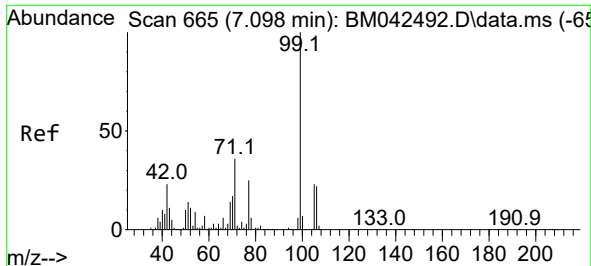
Tgt Ion:152 Resp: 83302
Ion Ratio Lower Upper
152 100
150 153.1 127.4 191.0
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 80.474 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

Tgt Ion:112 Resp: 415373
Ion Ratio Lower Upper
112 100
64 64.9 52.1 78.1
63 37.5 28.3 42.5

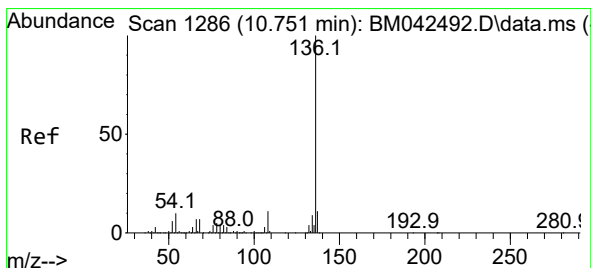
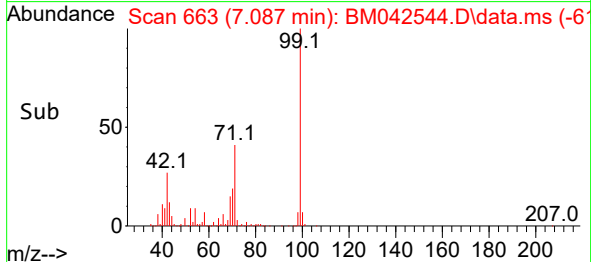
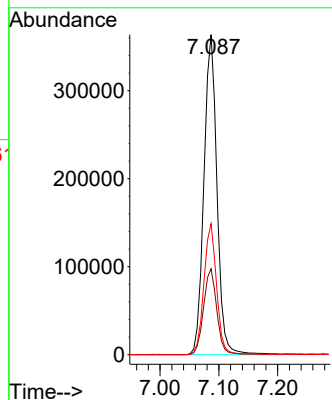
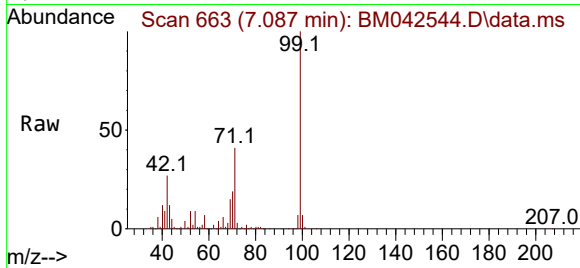




#7
Phenol-d6
Concen: 79.156 ng
RT: 7.087 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

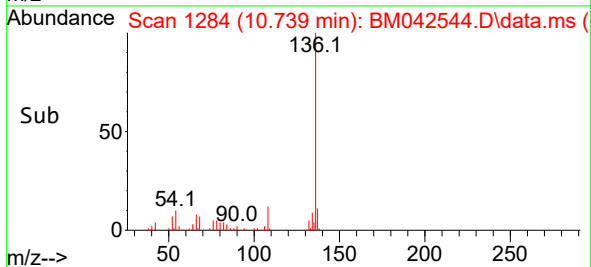
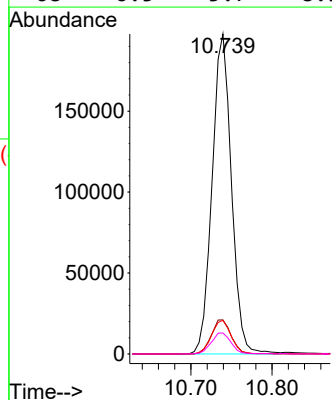
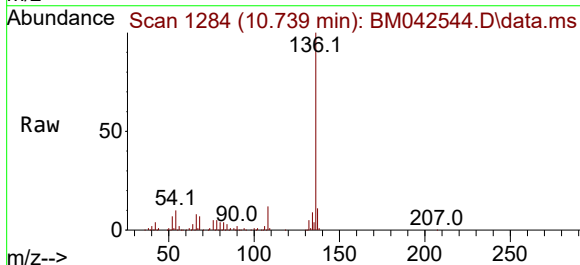
Instrument :
BNA_M
ClientSampleId :
ETGI-352

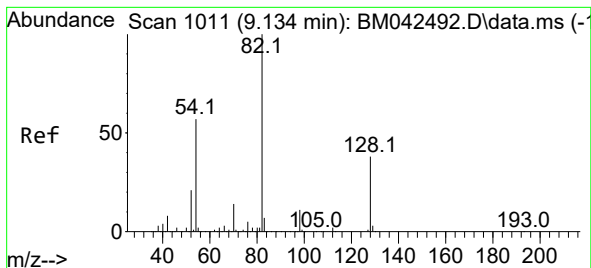
Tgt Ion: 99 Resp: 560338
Ion Ratio Lower Upper
99 100
42 26.8 18.7 28.1
71 40.9 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

Tgt Ion: 136 Resp: 326668
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 10.5 8.0 12.0
68 6.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 54.796 ng

RT: 9.122 min Scan# 110

Delta R.T. -0.012 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

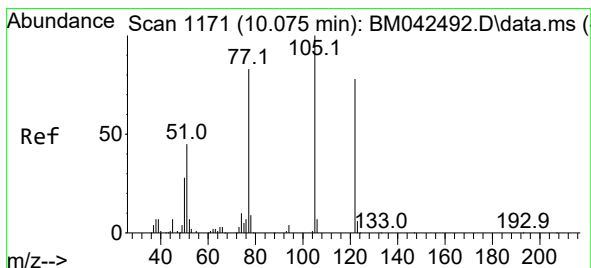
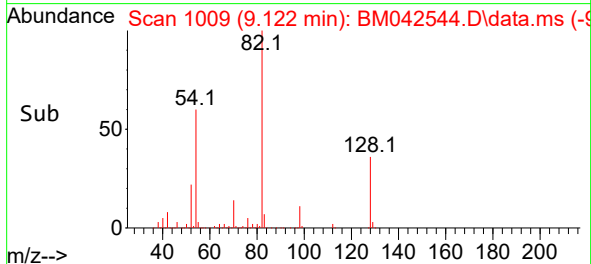
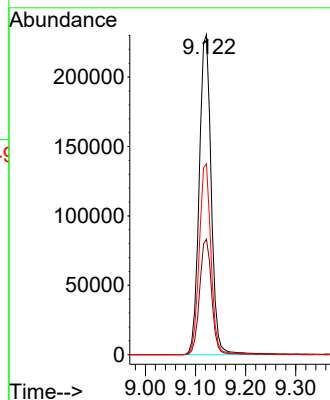
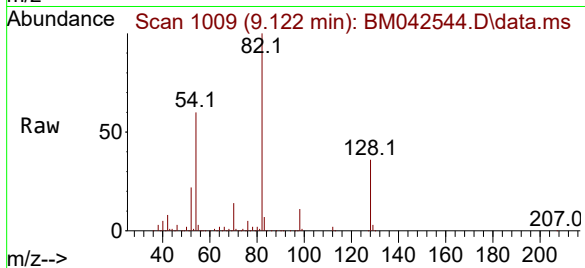
Tgt Ion: 82 Resp: 383989

Ion Ratio Lower Upper

82 100

128 36.1 30.7 46.1

54 59.6 45.3 67.9



#32

Benzoic acid

Concen: 4.137 ng

RT: 10.016 min Scan# 1161

Delta R.T. -0.059 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

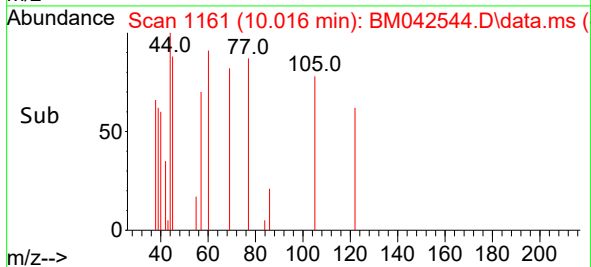
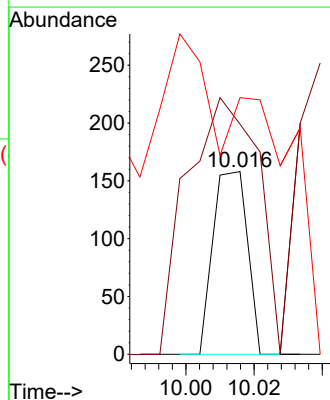
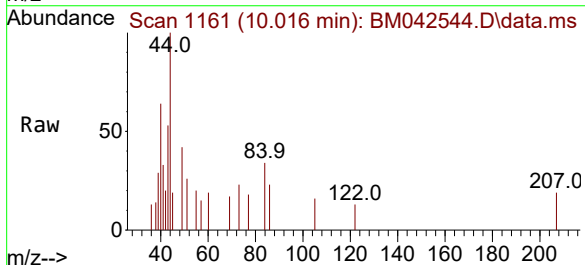
Tgt Ion: 122 Resp: 110

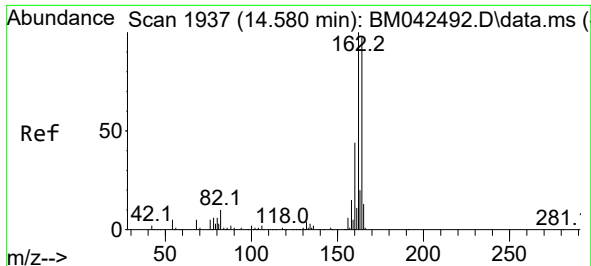
Ion Ratio Lower Upper

122 100

105 125.9 105.2 145.2

77 140.5 84.8 124.8#

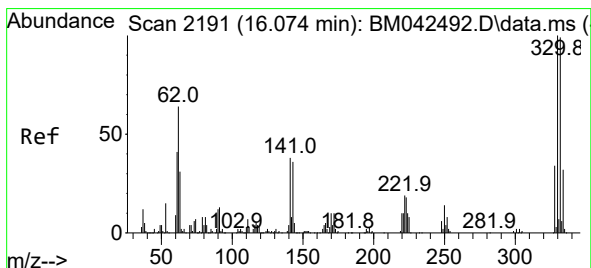
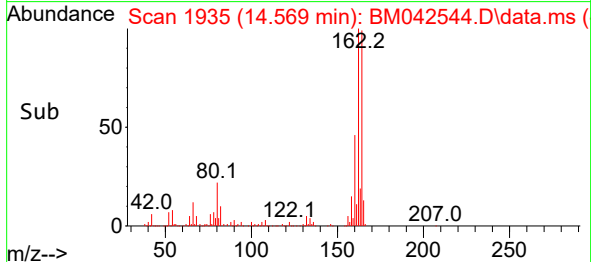
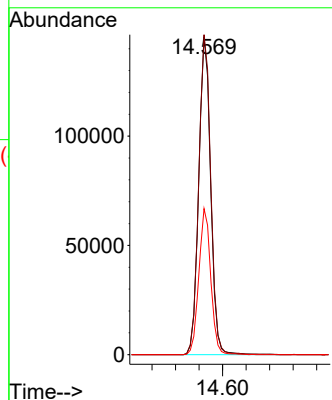
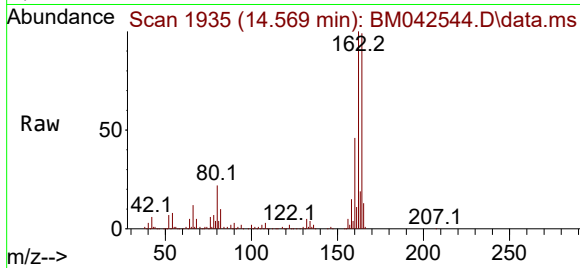




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

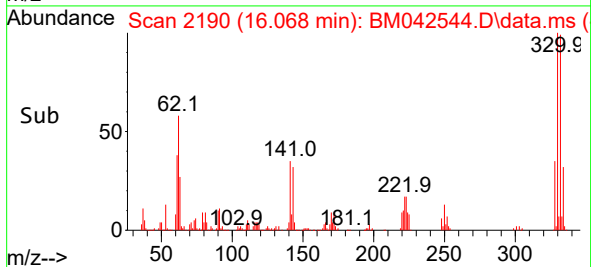
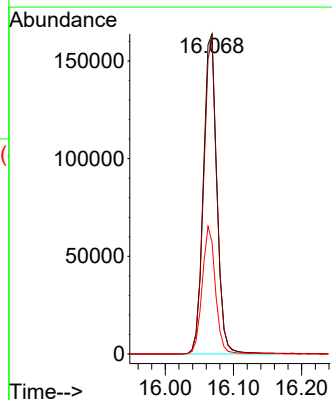
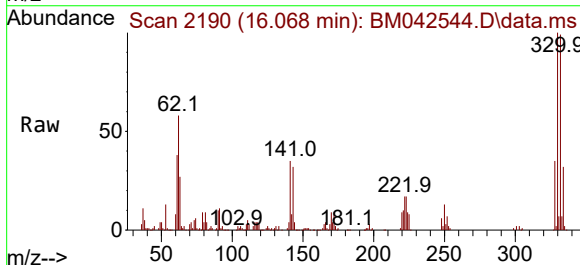
Instrument :
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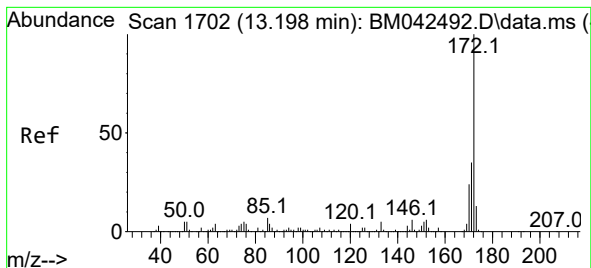
Tgt Ion:164 Resp: 204062
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 45.9 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 84.888 ng
RT: 16.068 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

Tgt Ion:330 Resp: 226158
Ion Ratio Lower Upper
330 100
332 96.9 78.8 118.2
141 39.1 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 51.089 ng

RT: 13.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

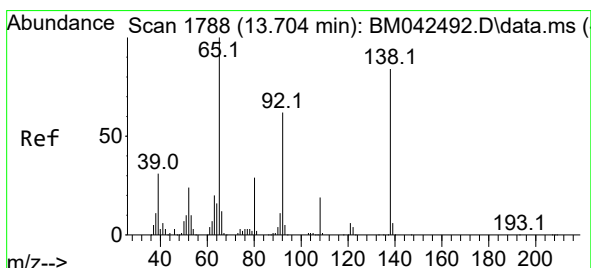
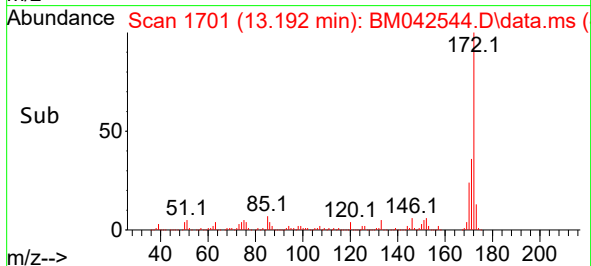
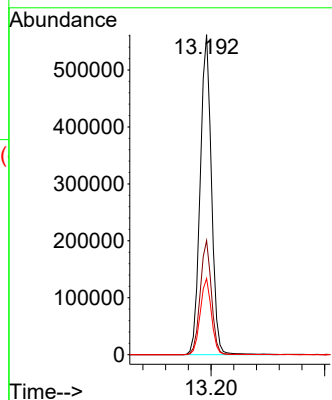
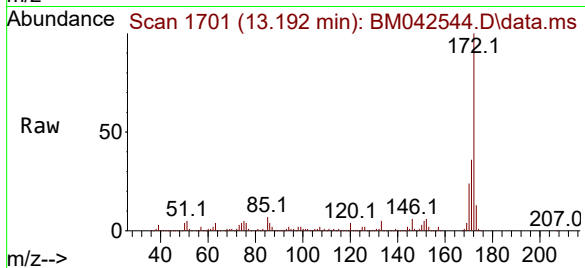
Tgt Ion:172 Resp: 774765

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.831 ng

RT: 13.416 min Scan# 1739

Delta R.T. -0.288 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

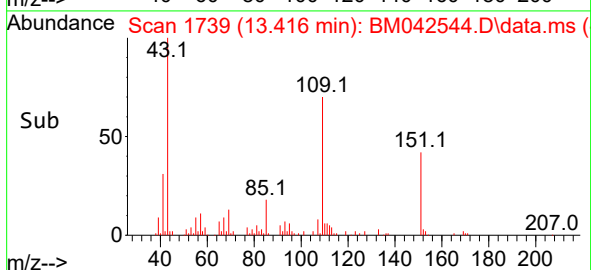
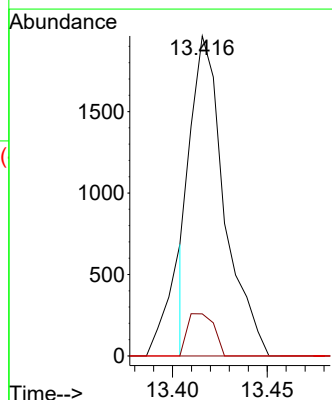
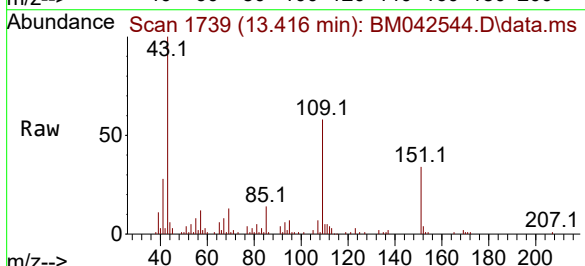
Tgt Ion: 65 Resp: 2438

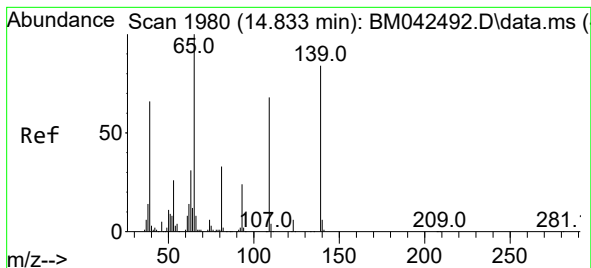
Ion Ratio Lower Upper

65 100

92 13.1 49.4 74.2#

138 0.0 66.9 100.3#

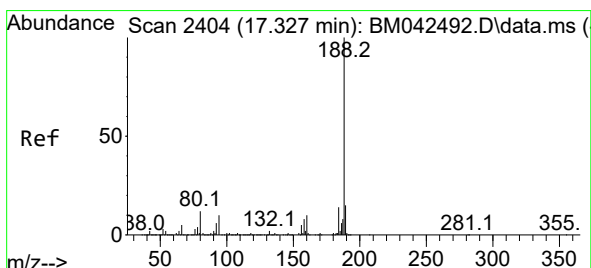
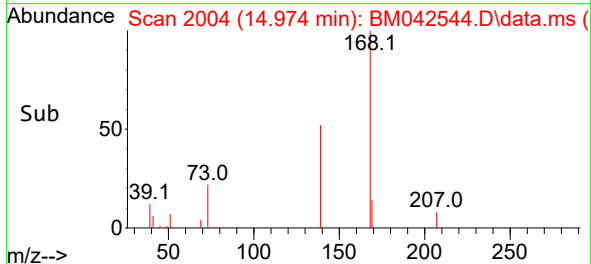
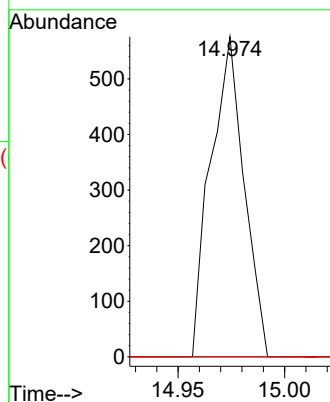
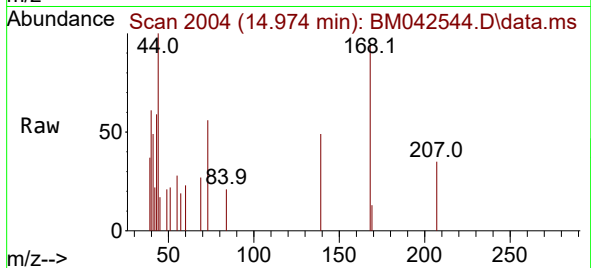




#56
4-Nitrophenol
Concen: 7.155 ng
RT: 14.974 min Scan# 20
Delta R.T. 0.141 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

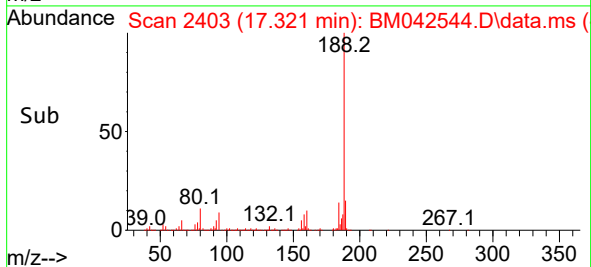
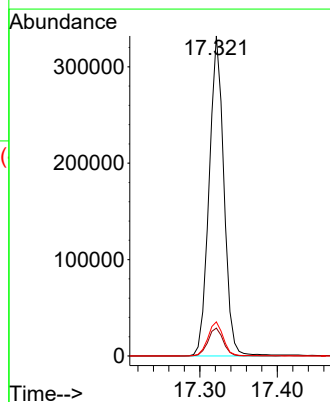
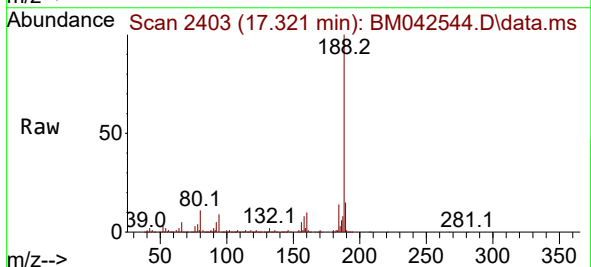
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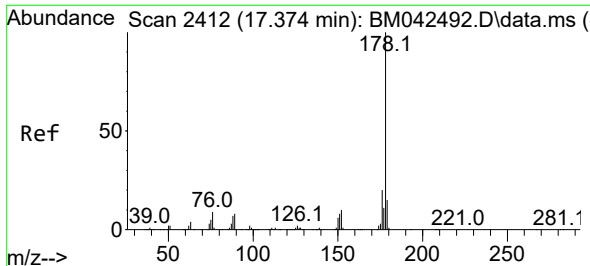
Tgt Ion:139 Resp: 629
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

Tgt Ion:188 Resp: 440773
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.4
80 10.7 9.4 14.2

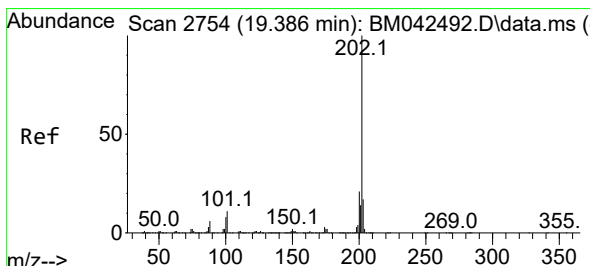
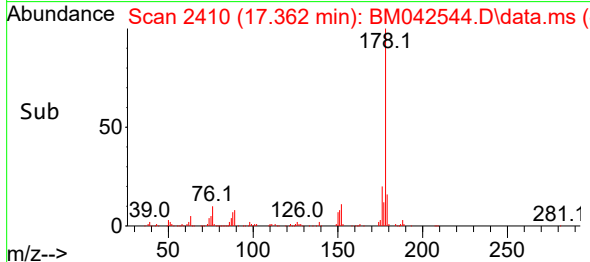
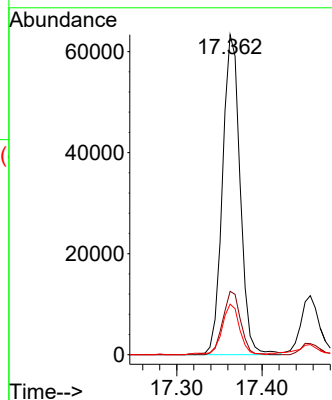
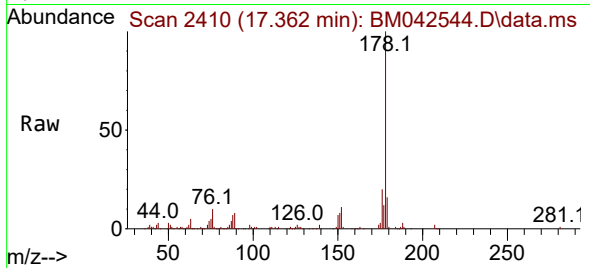




#71
Phenanthrene
Concen: 3.944 ng
RT: 17.362 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

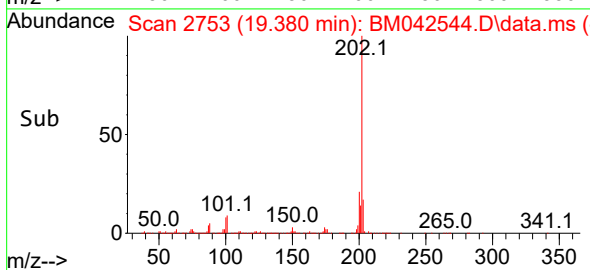
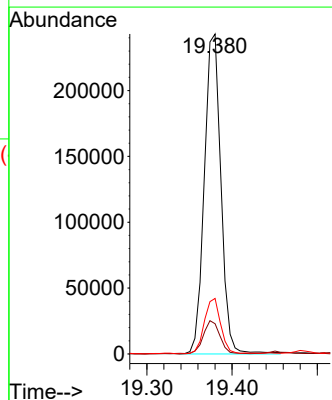
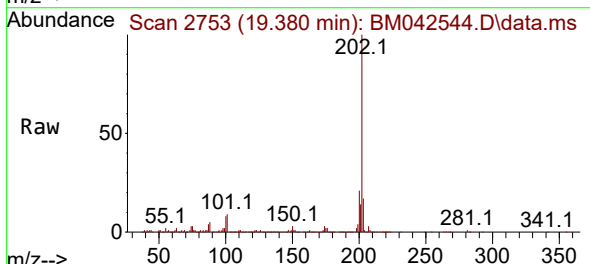
Instrument :
BNA_M
ClientSampleId :
ETGI-352

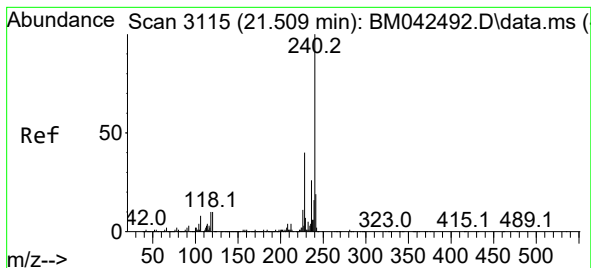
Tgt Ion:178 Resp: 90847
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.8 12.2 18.4



#75
Fluoranthene
Concen: 12.173 ng
RT: 19.380 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BM042544.D
Acq: 01 Nov 2023 17:48

Tgt Ion:202 Resp: 329381
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.5
203 17.4 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

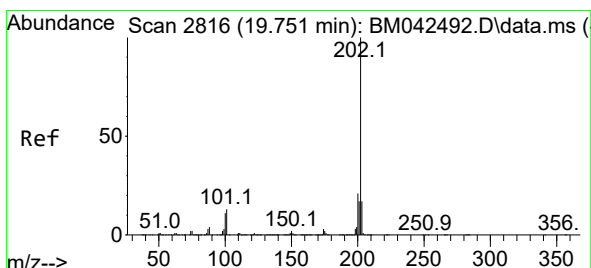
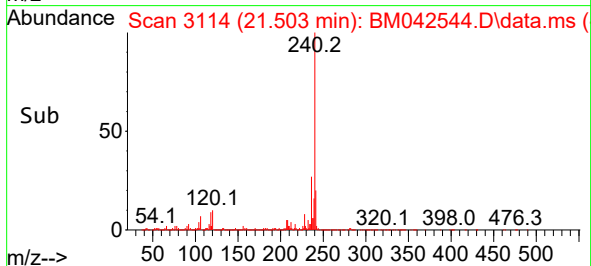
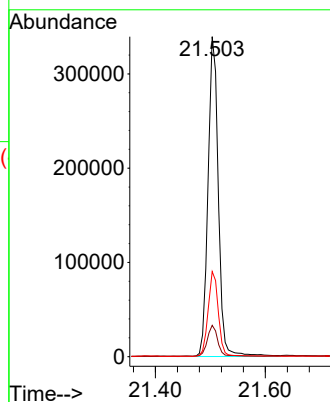
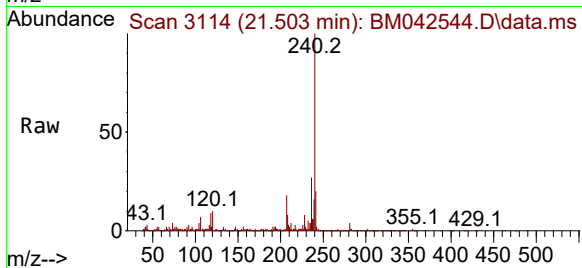
Tgt Ion:240 Resp: 441579

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

236 26.6 20.8 31.2



#78

Pyrene

Concen: 8.947 ng

RT: 19.745 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

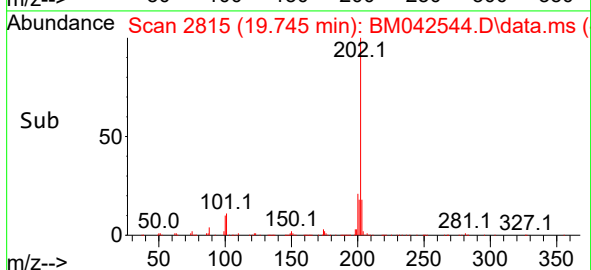
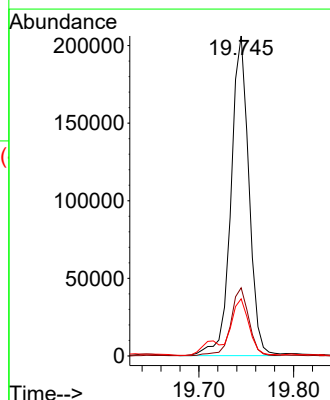
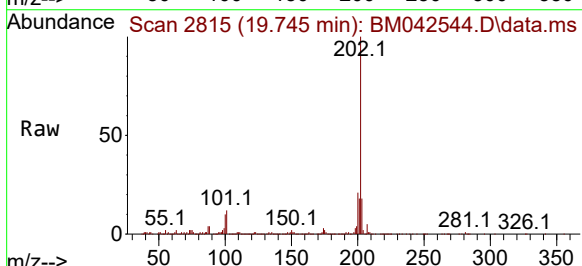
Tgt Ion:202 Resp: 271301

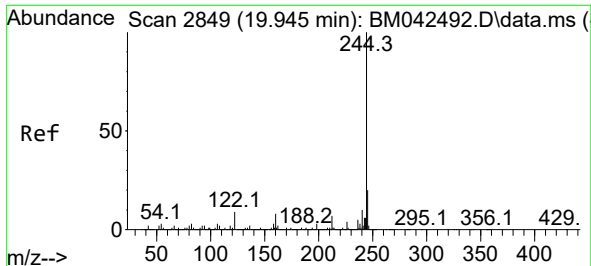
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 17.9 13.7 20.5

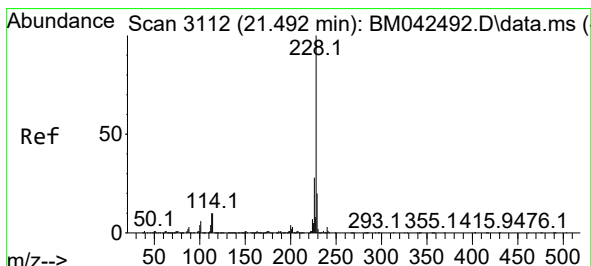
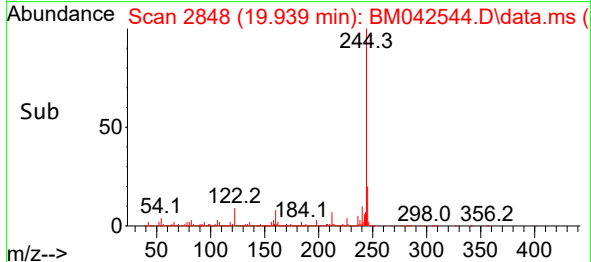
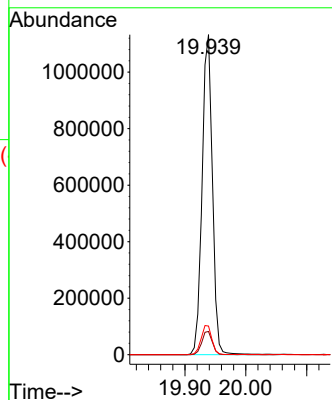
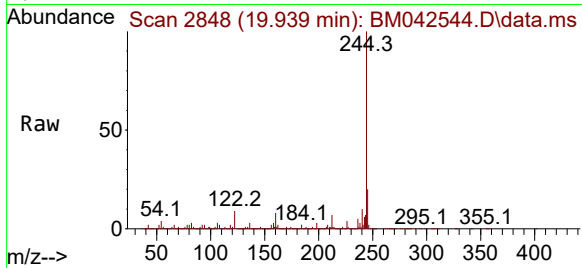




#79
 Terphenyl-d14
 Concen: 51.055 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042544.D
 Acq: 01 Nov 2023 17:48

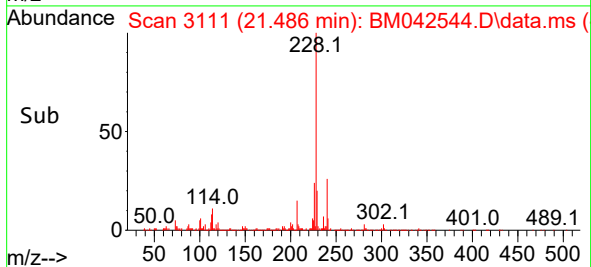
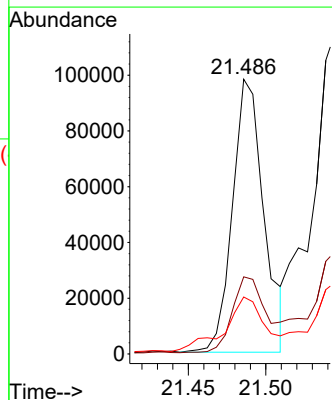
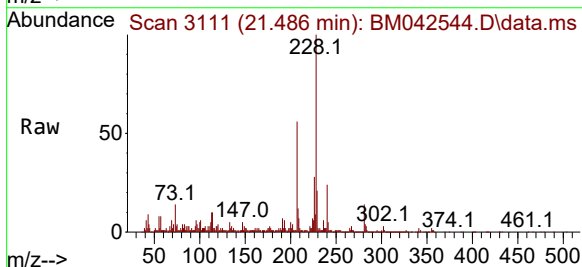
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-352

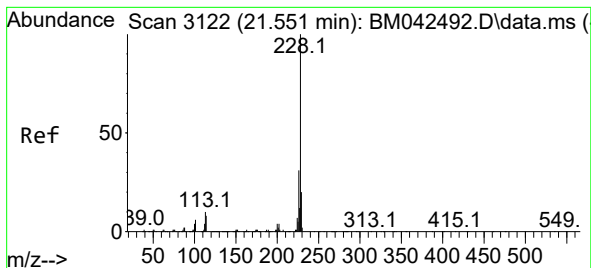
Tgt Ion:244 Resp: 1329613
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 8.9 7.2 10.8



#81
 Benzo(a)anthracene
 Concen: 4.908 ng
 RT: 21.486 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BM042544.D
 Acq: 01 Nov 2023 17:48

Tgt Ion:228 Resp: 137890
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 6.386 ng

RT: 21.545 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

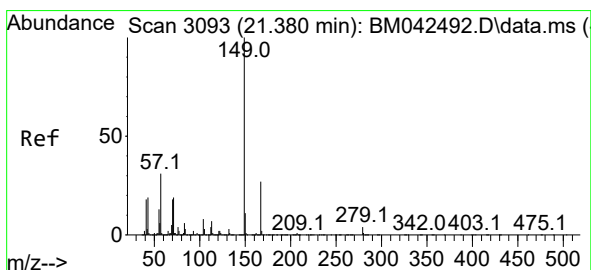
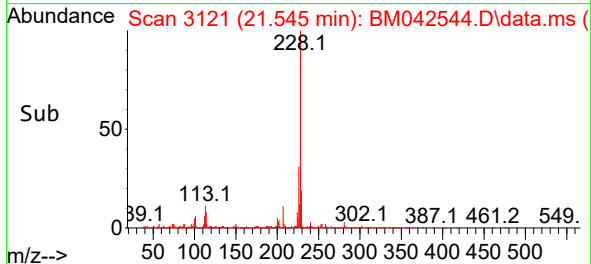
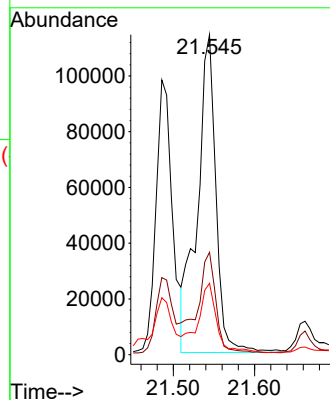
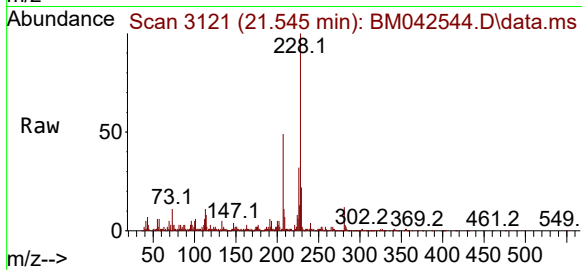
Tgt Ion:228 Resp: 182239

Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

229 22.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.209 ng

RT: 21.368 min Scan# 3091

Delta R.T. -0.012 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

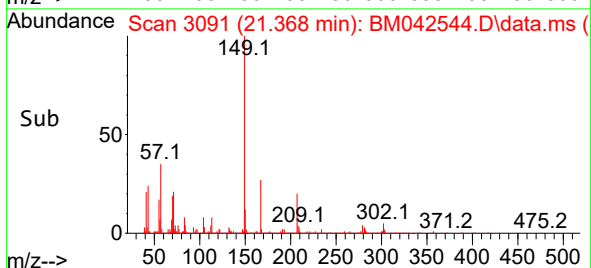
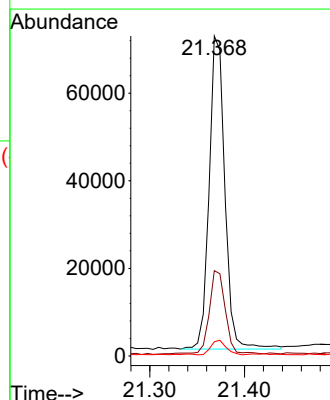
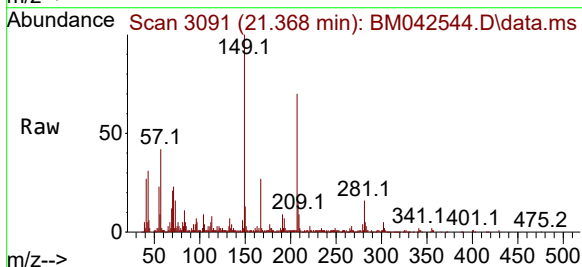
Tgt Ion:149 Resp: 82379

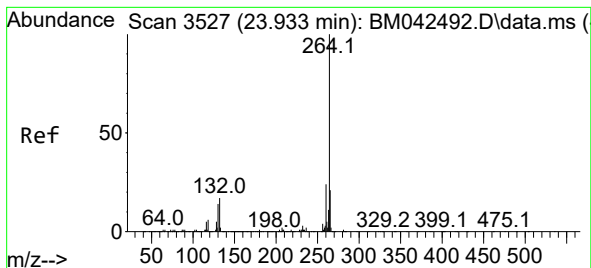
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.4 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

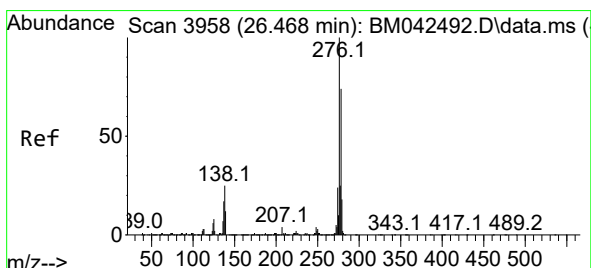
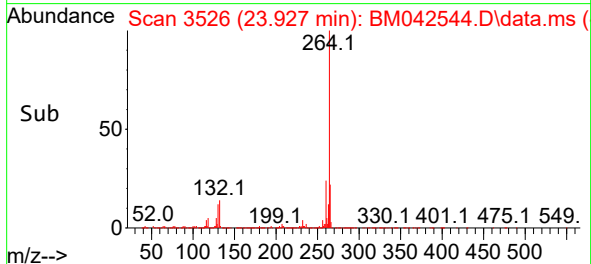
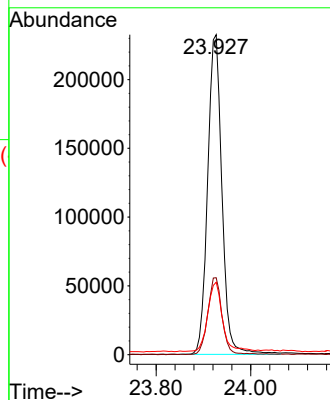
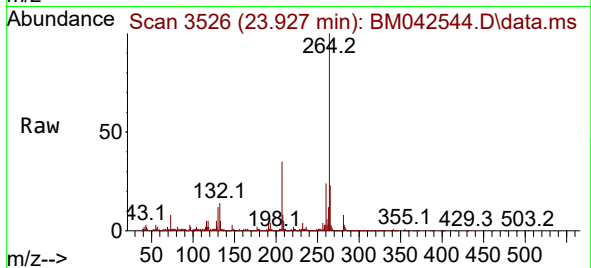
Tgt Ion:264 Resp: 486675

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 22.7 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.987 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

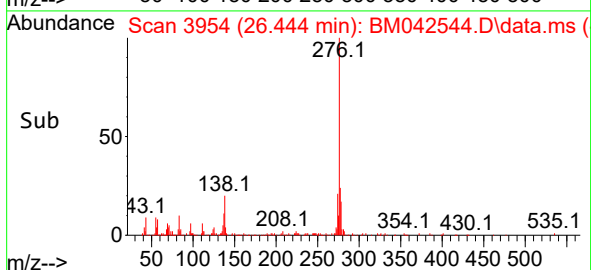
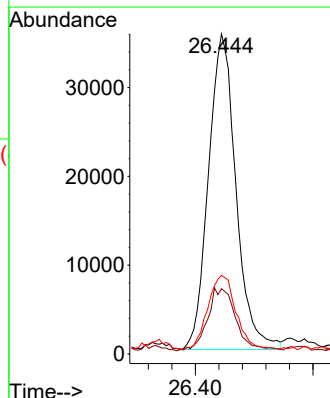
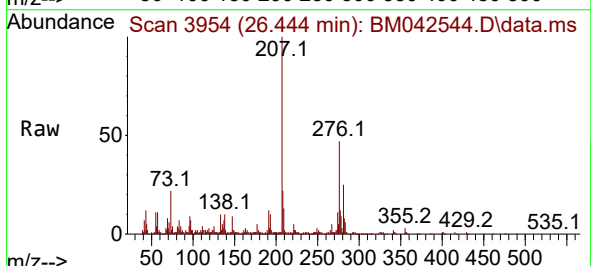
Tgt Ion:276 Resp: 115484

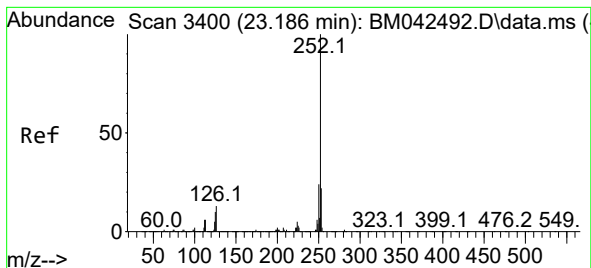
Ion Ratio Lower Upper

276 100

138 20.6 20.6 31.0#

277 24.4 19.5 29.3





#88

Benzo(b)fluoranthene

Concen: 10.067 ng

RT: 23.180 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

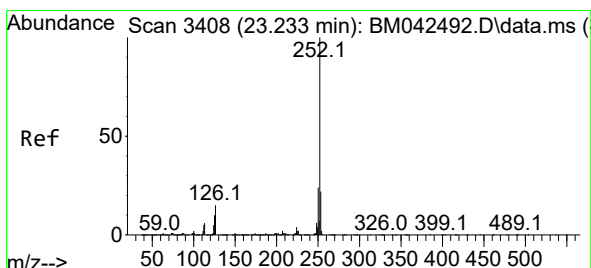
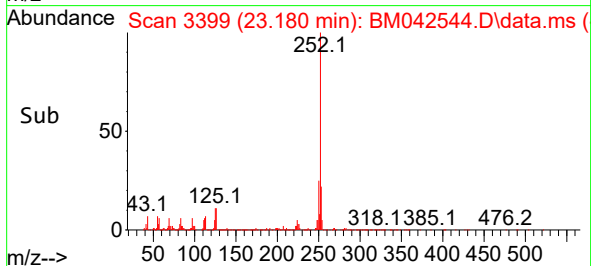
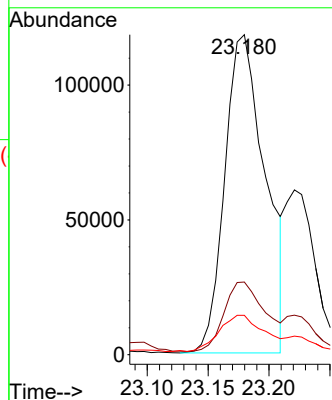
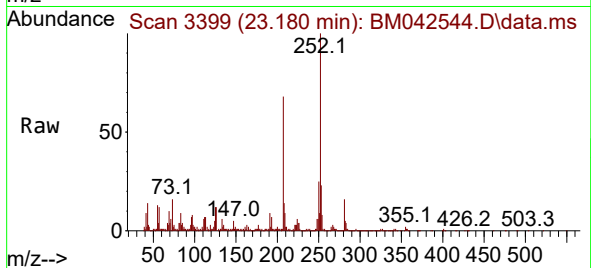
Tgt Ion:252 Resp: 272963

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 12.3 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 9.035 ng

RT: 23.180 min Scan# 3399

Delta R.T. -0.053 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

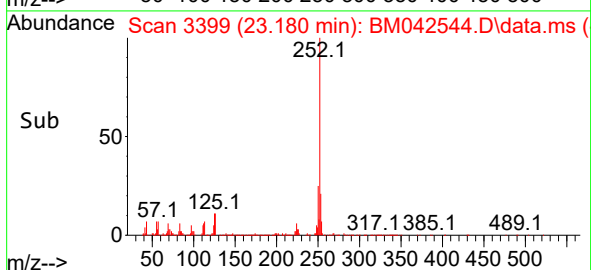
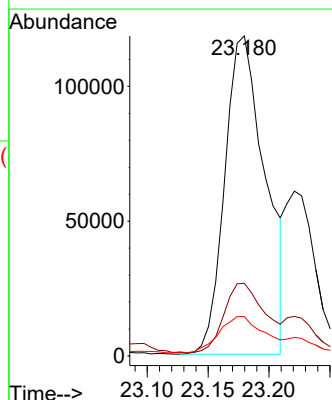
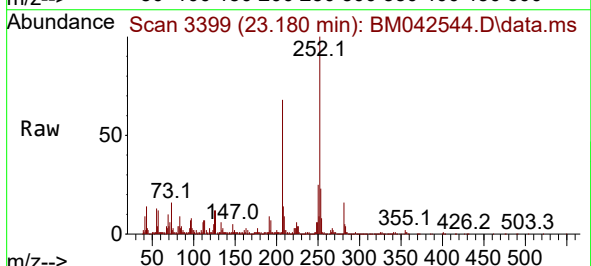
Tgt Ion:252 Resp: 272963

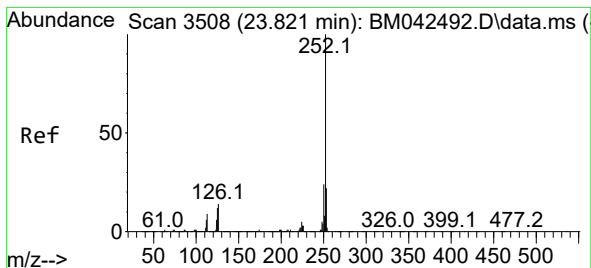
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 12.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 5.047 ng

RT: 23.809 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352

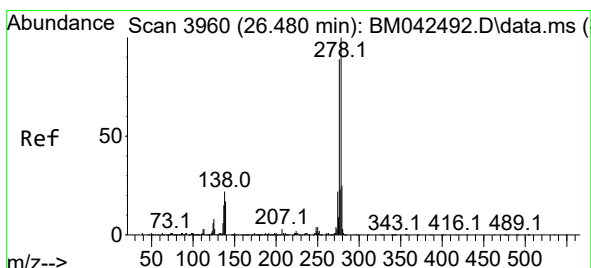
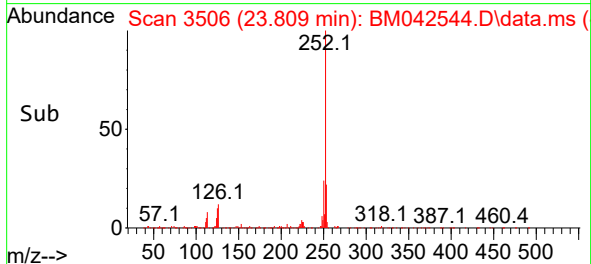
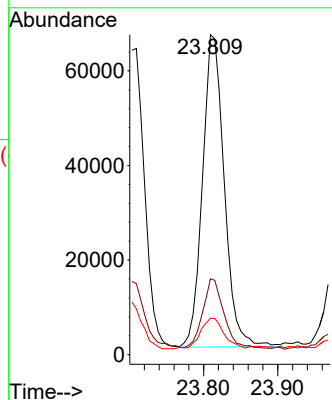
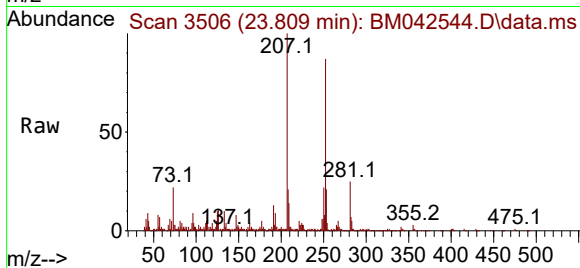
Tgt Ion:252 Resp: 134732

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.4 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 5.159 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BM042544.D

Acq: 01 Nov 2023 17:48

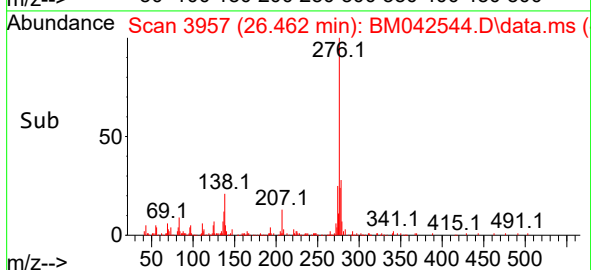
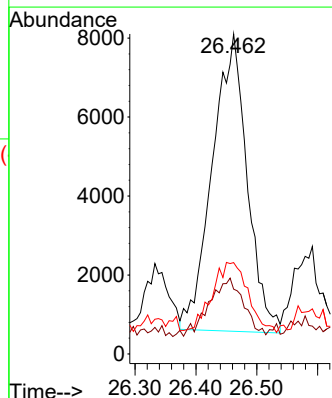
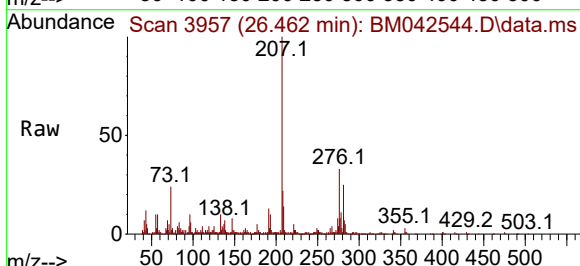
Tgt Ion:278 Resp: 29876

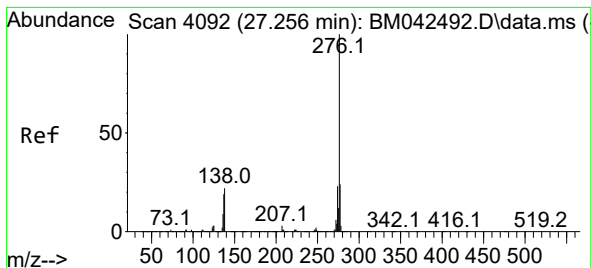
Ion Ratio Lower Upper

278 100

139 20.2 13.4 20.2#

279 28.6 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 4.587 ng

RT: 27.244 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM042544.D

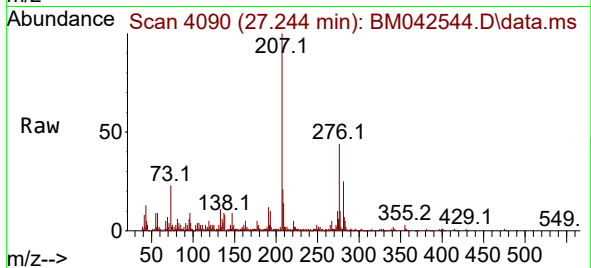
Acq: 01 Nov 2023 17:48

Instrument :

BNA_M

ClientSampleId :

ETGI-352



Tgt Ion:276 Resp: 117101

Ion Ratio Lower Upper

276 100

277 23.0 19.2 28.8

138 17.4 17.3 25.9

