

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061226.D
 Acq On : 16 May 2024 18:42
 Operator : MA/JU
 Sample : P2477-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

Quant Time: May 17 01:19:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

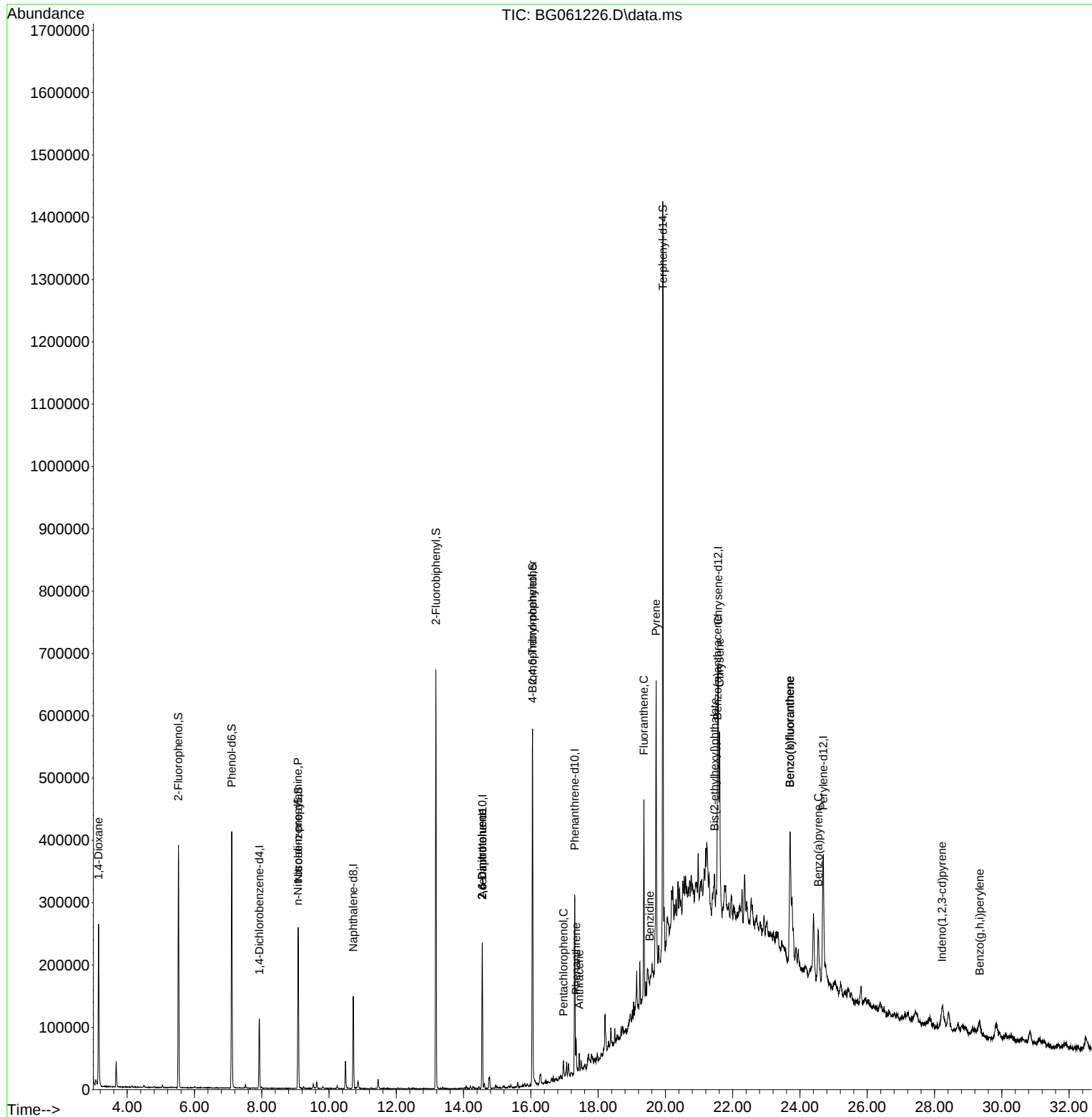
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	29680	20.000	ng	-0.03
21) Naphthalene-d8	10.722	136	113038	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	86473	20.000	ng	-0.03
64) Phenanthrene-d10	17.303	188	186774	20.000	ng	-0.03
76) Chrysene-d12	21.569	240	186559	20.000	ng	#-0.02
86) Perylene-d12	24.694	264	231392	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	132427	90.742	ng	-0.02
7) Phenol-d6	7.109	99	181618	84.126	ng	-0.02
23) Nitrobenzene-d5	9.083	82	129993	57.008	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	126640	73.268	ng	-0.02
45) 2-Fluorobiphenyl	13.178	172	345714	59.118	ng	-0.03
79) Terphenyl-d14	19.923	244	620512	55.318	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.149	88	2210	3.745	ng	# 1
9) Benzaldehyde	7.074	77	70	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.077	70	18945	11.726	ng	# 58
51) 2,6-Dinitrotoluene	14.553	165	11685	8.179	ng	# 15
57) 2,4-Dinitrotoluene	14.553	165	11685	5.528	ng	# 17
67) 4-Bromophenyl-phenylether	16.046	248	8473	3.851	ng	# 1
70) Pentachlorophenol	16.968	266	6176	3.671	ng	85
71) Phenanthrene	17.344	178	34611	4.053	ng	99
72) Anthracene	17.438	178	18832	2.210	ng	98
75) Fluoranthene	19.359	202	179320	15.327	ng	98
77) Benzidine	19.536	184	526	2.935	ng	# 1
78) Pyrene	19.724	202	295861	24.945	ng	98
81) Benzo(a)anthracene	21.545	228	144257	11.817	ng	96
83) Chrysene	21.610	228	236984	20.720	ng	96
84) Bis(2-ethylhexyl)phtha...	21.463	149	16614	3.389	ng	# 88
87) Indeno(1,2,3-cd)pyrene	28.225	276	63651	4.151	ng	# 97
88) Benzo(b)fluoranthene	23.707	252	249621	19.305	ng	# 97
89) Benzo(k)fluoranthene	23.707	252	249621	20.067	ng	# 97
90) Benzo(a)pyrene	24.547	252	96989	8.610	ng	# 93
92) Benzo(g,h,i)perylene	29.342	276	55282	4.381	ng	# 91

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

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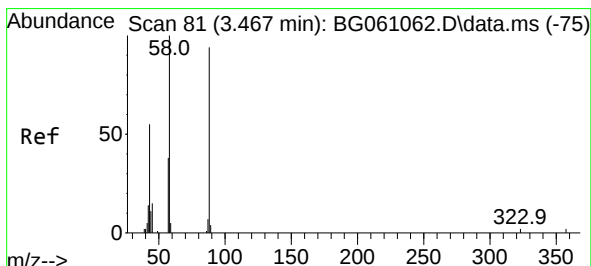
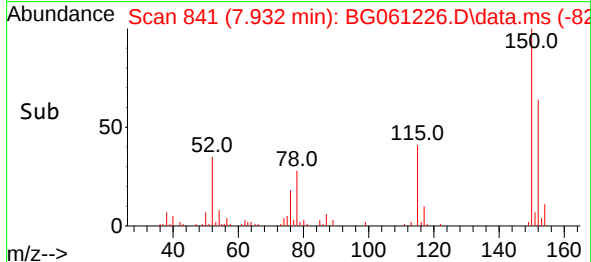
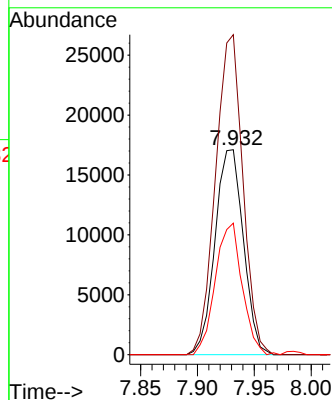
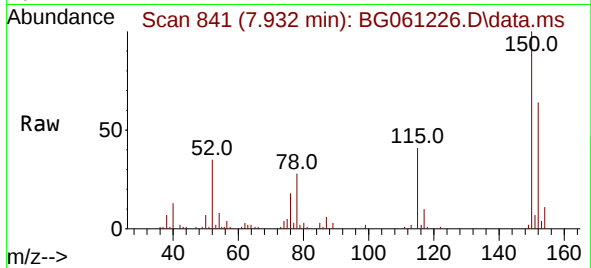




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.932 min Scan# 84
 Delta R.T. -0.029 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

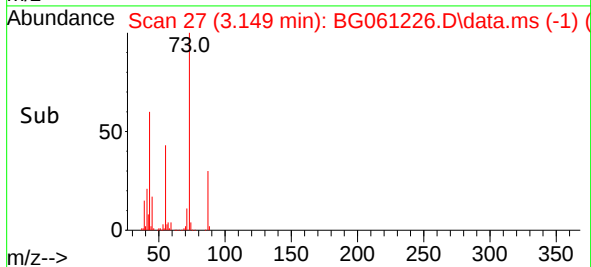
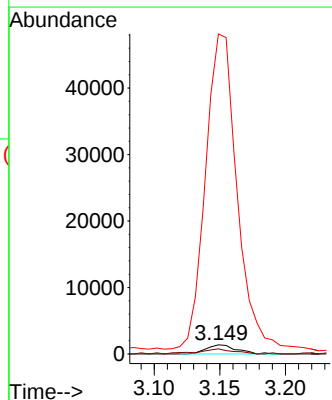
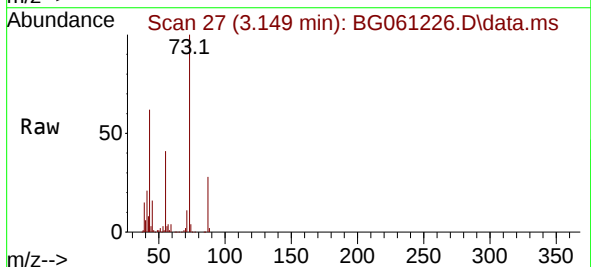
Instrument :
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 ClientSampleId :
 ETGI-339

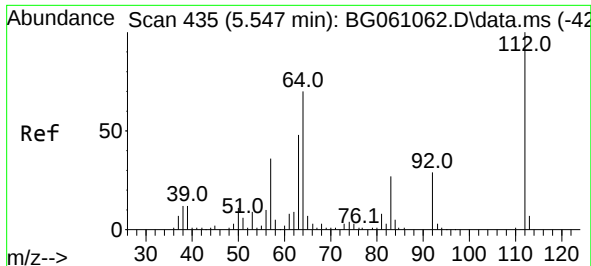
Tgt Ion:152 Resp: 29680
 Ion Ratio Lower Upper
 152 100
 150 156.2 138.3 207.5
 115 64.2 48.0 72.0



#2
 1,4-Dioxane
 Concen: 3.745 ng
 RT: 3.149 min Scan# 27
 Delta R.T. -0.318 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

Tgt Ion: 88 Resp: 2210
 Ion Ratio Lower Upper
 88 100
 58 66.3 81.2 121.8#
 43 3657.0 45.0 67.4#

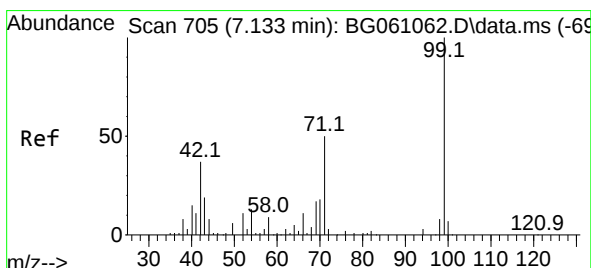
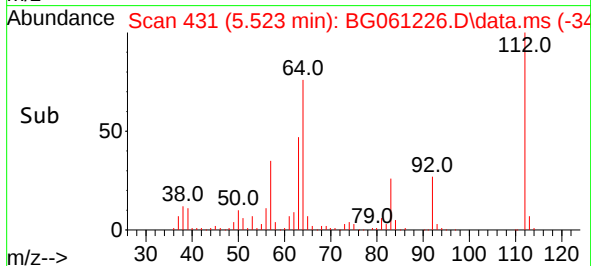
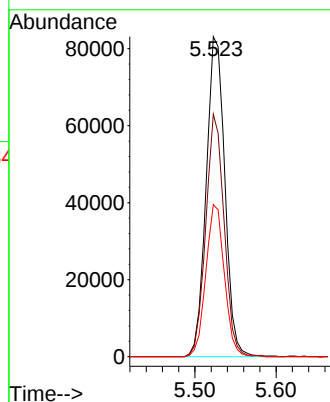
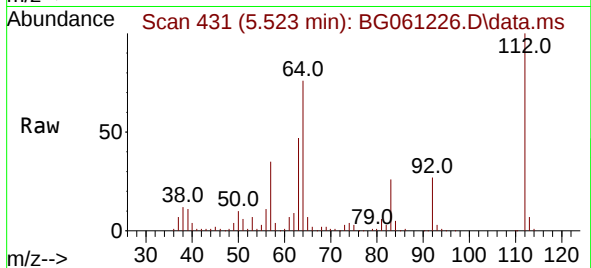




#5
2-Fluorophenol
Concen: 90.742 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

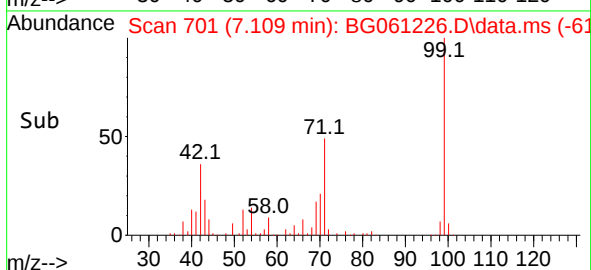
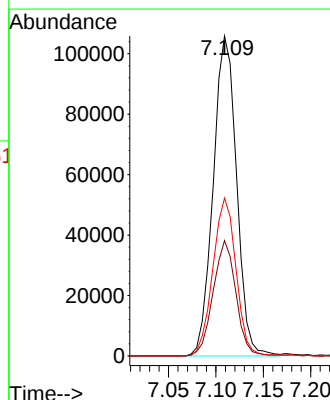
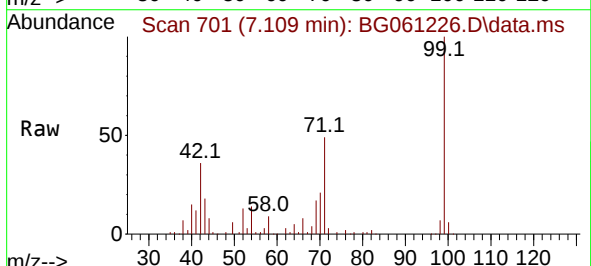
Instrument :
BNA_G
ClientSampleId :
ETGI-339

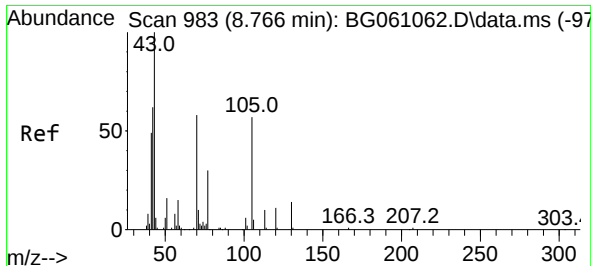
Tgt Ion:112 Resp: 132427
Ion Ratio Lower Upper
112 100
64 75.8 55.7 83.5
63 47.5 38.1 57.1



#7
Phenol-d6
Concen: 84.126 ng
RT: 7.109 min Scan# 701
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion: 99 Resp: 181618
Ion Ratio Lower Upper
99 100
42 36.1 29.2 43.8
71 49.3 39.7 59.5

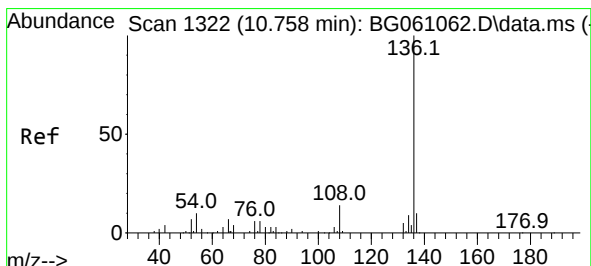
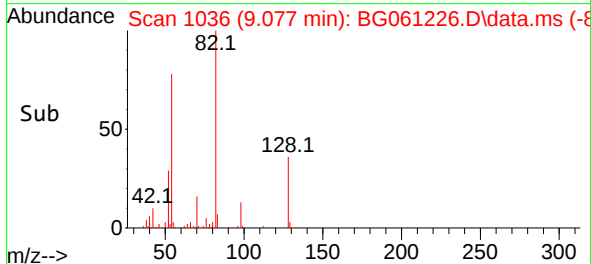
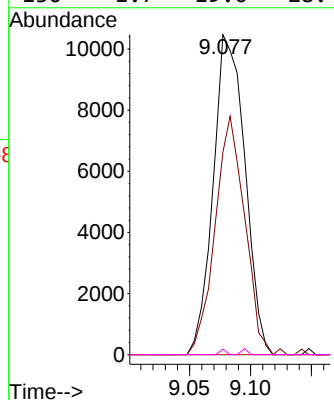
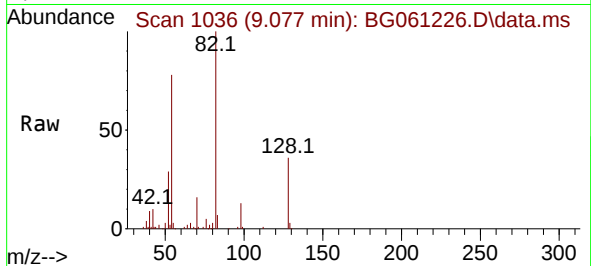




#19
n-Nitroso-di-n-propylamine
Concen: 11.726 ng
RT: 9.077 min Scan# 1036
Delta R.T. 0.311 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

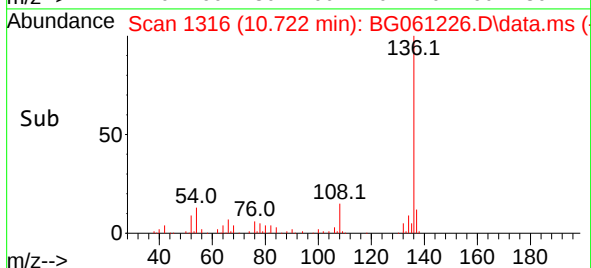
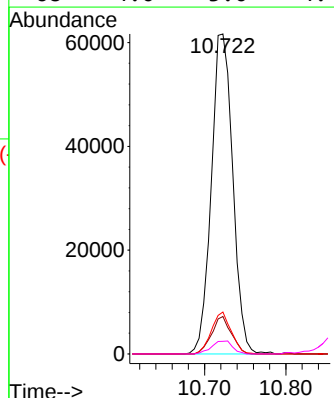
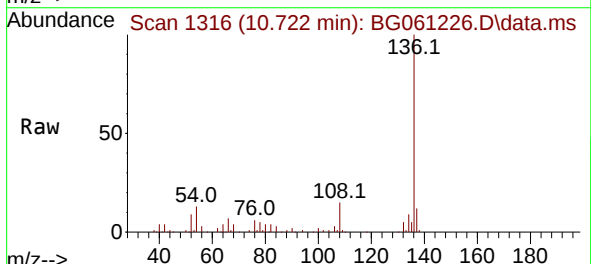
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BNA_G
ClientSampleId :
ETGI-339

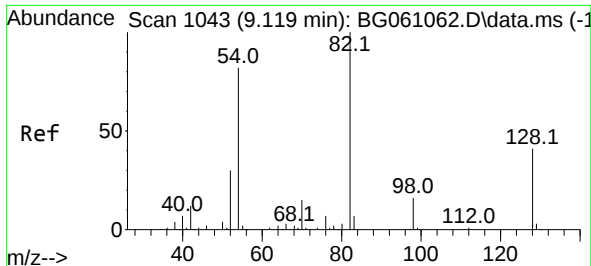
Tgt Ion: 70 Resp: 18945
Ion Ratio Lower Upper
70 100
42 63.3 86.4 129.6#
101 0.0 7.8 11.8#
130 1.7 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1316
Delta R.T. -0.036 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion: 136 Resp: 113038
Ion Ratio Lower Upper
136 100
137 11.7 7.8 11.6#
54 13.1 8.1 12.1#
68 4.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 57.008 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

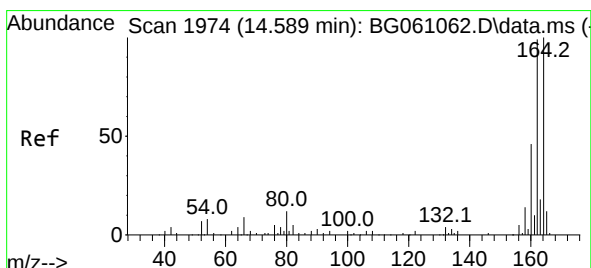
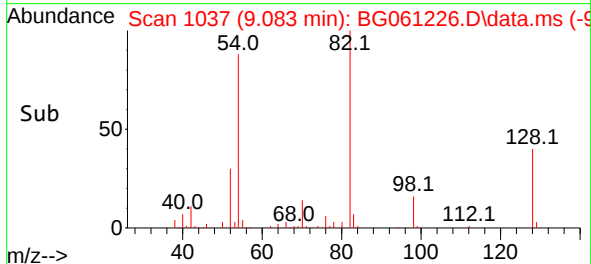
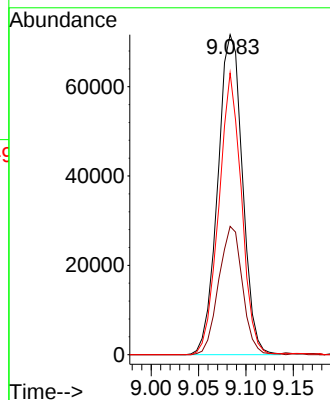
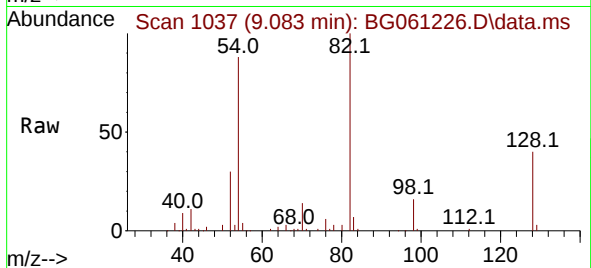
Tgt Ion: 82 Resp: 129993

Ion Ratio Lower Upper

82 100

128 40.1 32.7 49.1

54 88.0 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

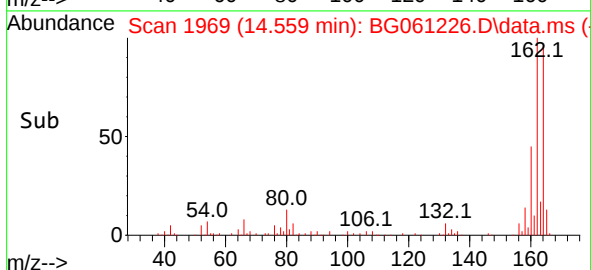
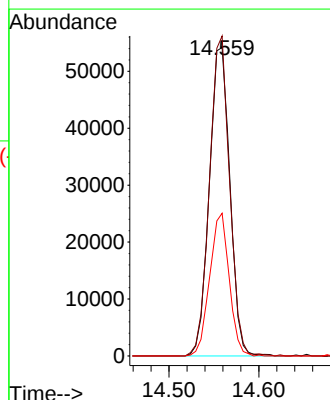
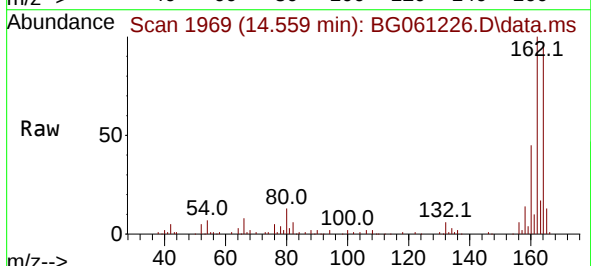
Tgt Ion:164 Resp: 86473

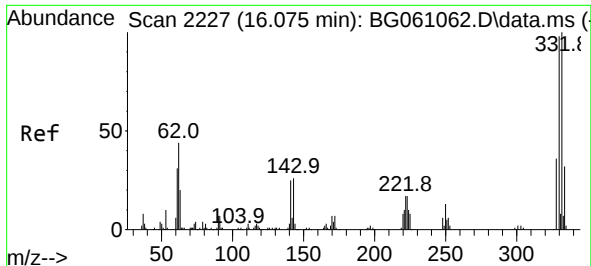
Ion Ratio Lower Upper

164 100

162 103.8 79.4 119.2

160 46.2 37.0 55.6

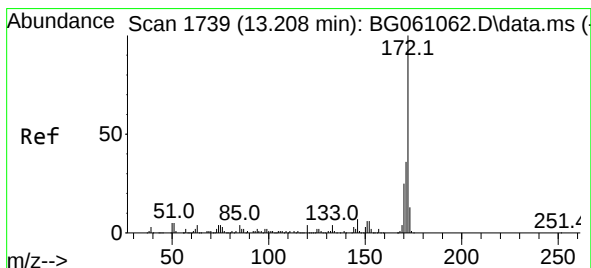
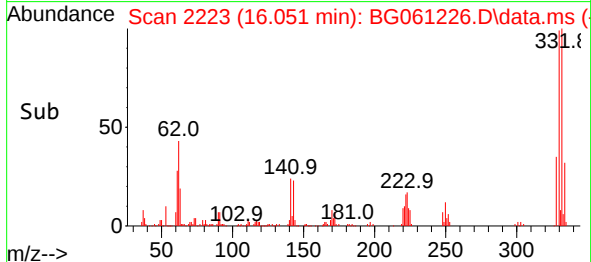
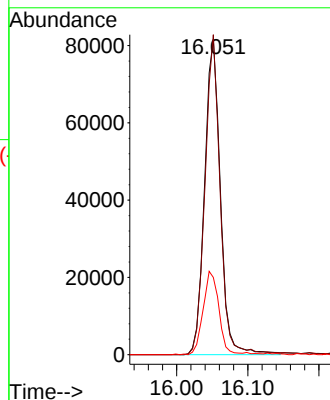
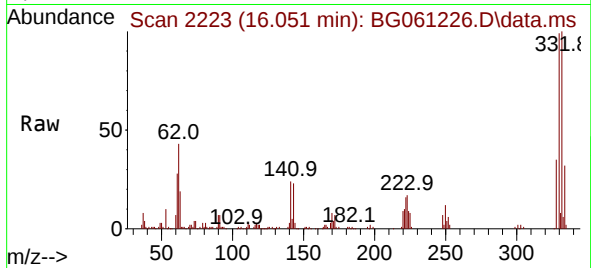




#42
2,4,6-Tribromophenol
Concen: 73.268 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

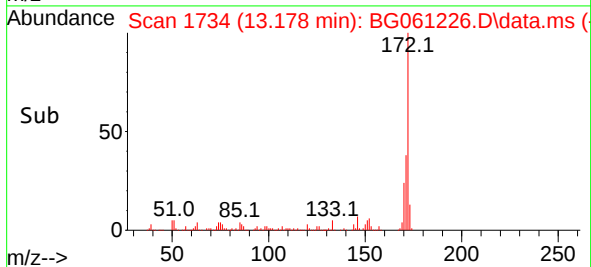
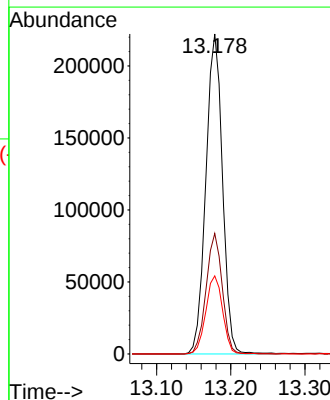
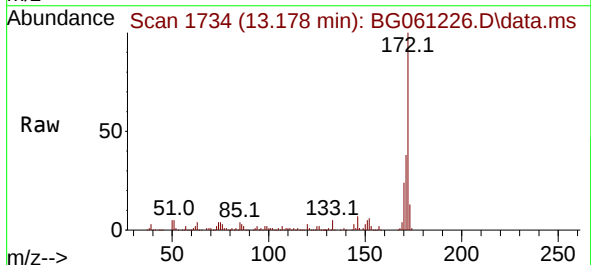
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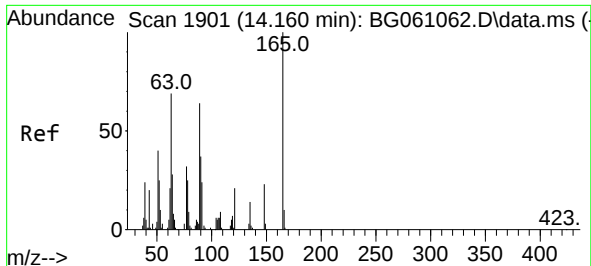
Tgt Ion:330 Resp: 126640
Ion Ratio Lower Upper
330 100
332 97.8 78.6 117.8
141 26.5 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 59.118 ng
RT: 13.178 min Scan# 1734
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:172 Resp: 345714
Ion Ratio Lower Upper
172 100
171 37.7 29.0 43.6
170 24.4 20.2 30.4

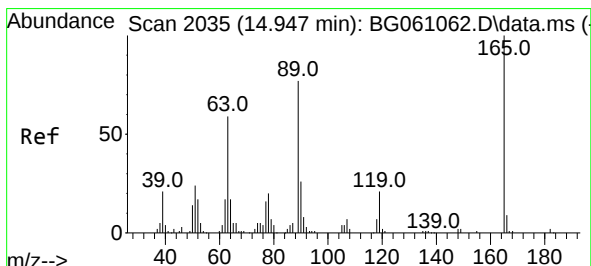
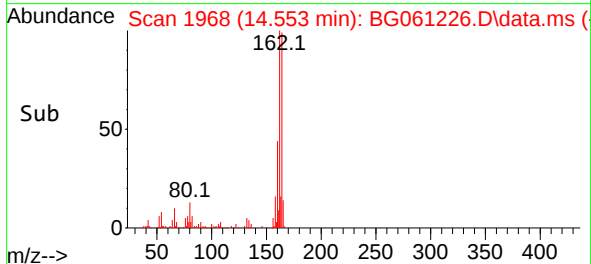
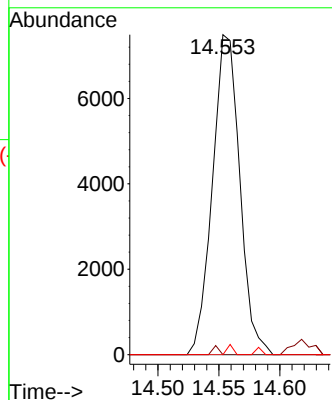
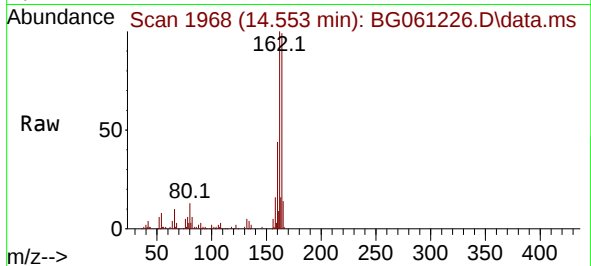




#51
2,6-Dinitrotoluene
Concen: 8.179 ng
RT: 14.553 min Scan# 1901
Delta R.T. 0.393 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

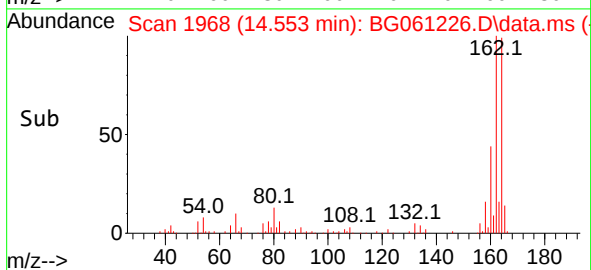
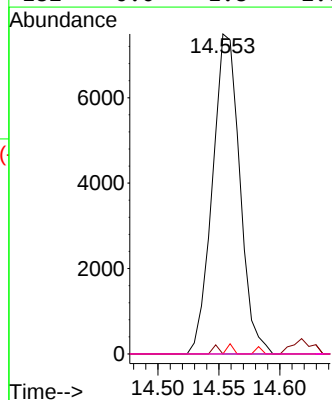
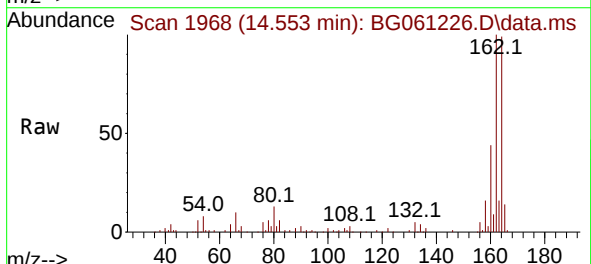
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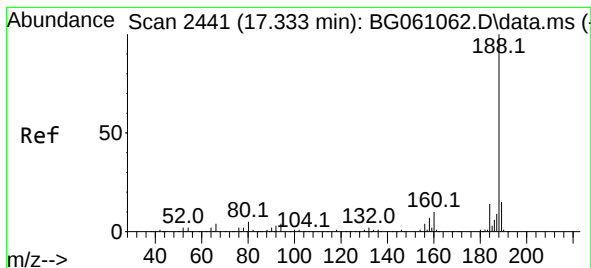
Tgt Ion:165 Resp: 11685
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.528 ng
RT: 14.553 min Scan# 1968
Delta R.T. -0.394 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:165 Resp: 11685
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.303 min Scan# 2441

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

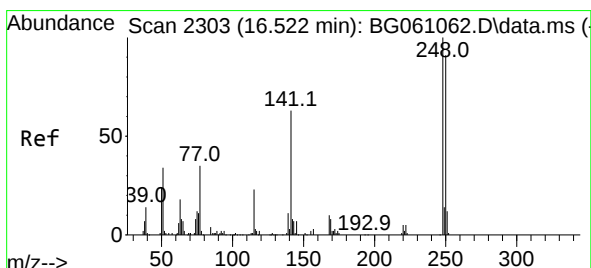
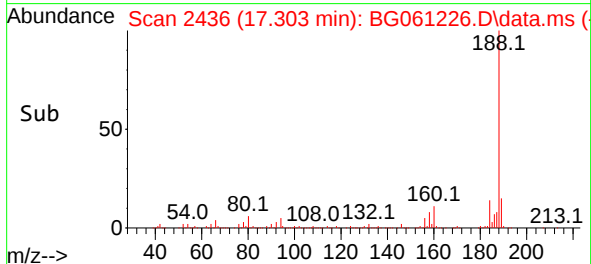
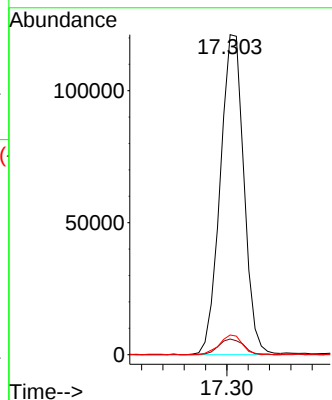
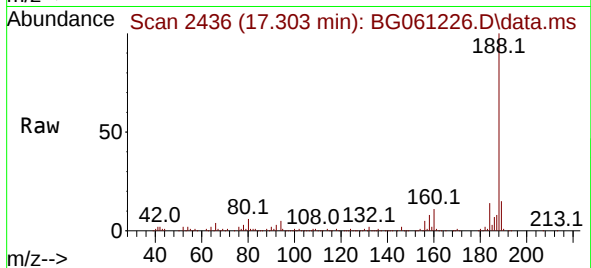
Tgt Ion:188 Resp: 186774

Ion Ratio Lower Upper

188 100

94 4.9 3.6 5.4

80 6.2 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.851 ng

RT: 16.046 min Scan# 2222

Delta R.T. -0.476 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

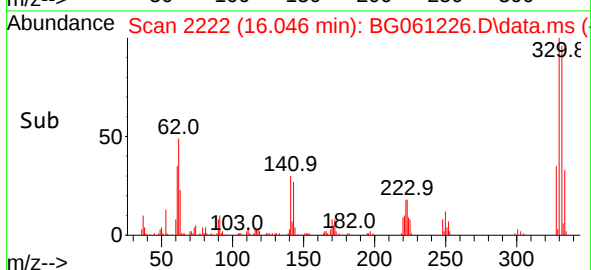
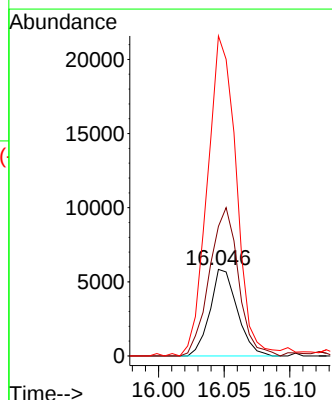
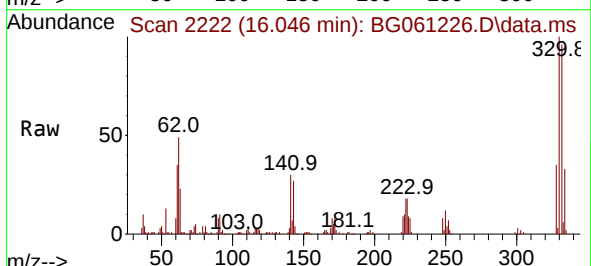
Tgt Ion:248 Resp: 8473

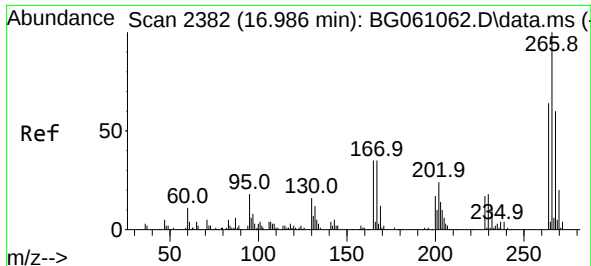
Ion Ratio Lower Upper

248 100

250 149.9 73.0 109.4#

141 370.0 50.8 76.2#

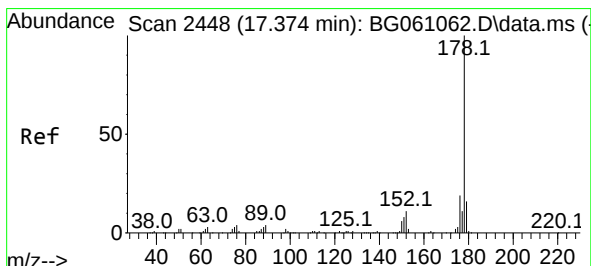
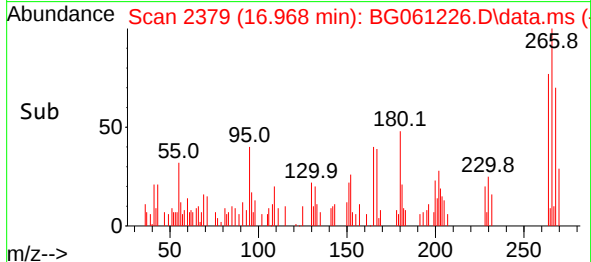
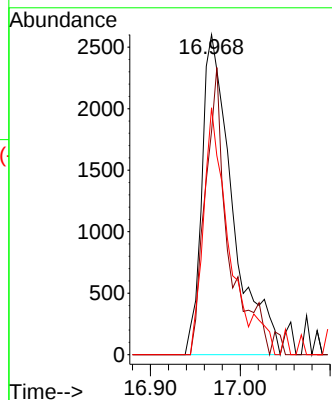
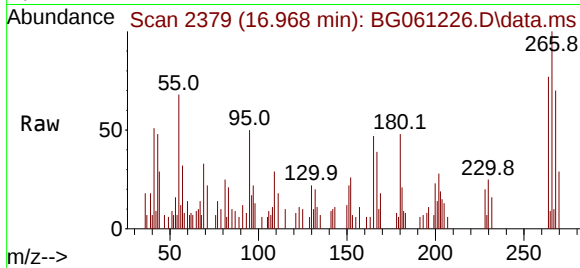




#70
 Pentachlorophenol
 Concen: 3.671 ng
 RT: 16.968 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

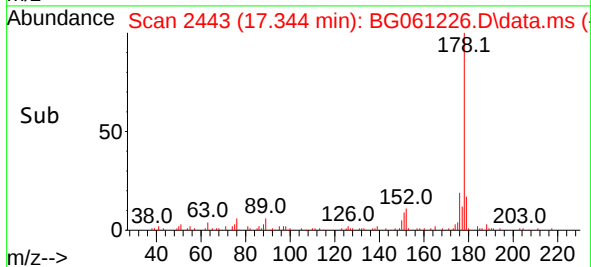
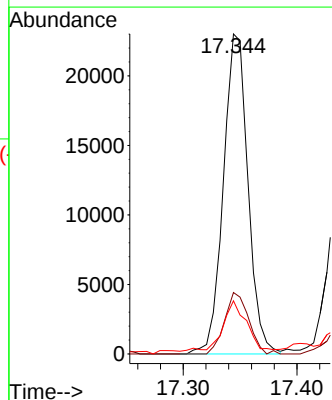
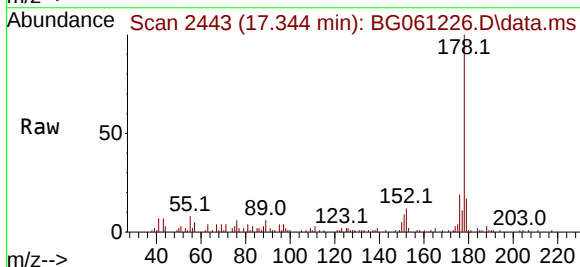
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

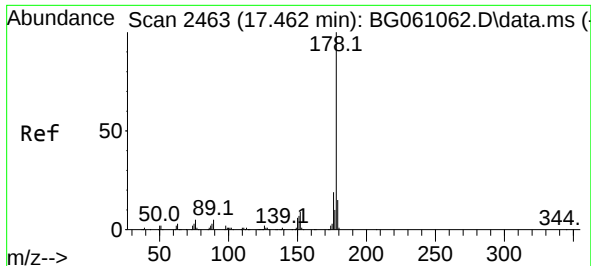
Tgt Ion:266 Resp: 6176
 Ion Ratio Lower Upper
 266 100
 268 69.8 47.8 71.8
 264 77.2 51.5 77.3



#71
 Phenanthrene
 Concen: 4.053 ng
 RT: 17.344 min Scan# 2443
 Delta R.T. -0.030 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

Tgt Ion:178 Resp: 34611
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 16.6 12.6 19.0

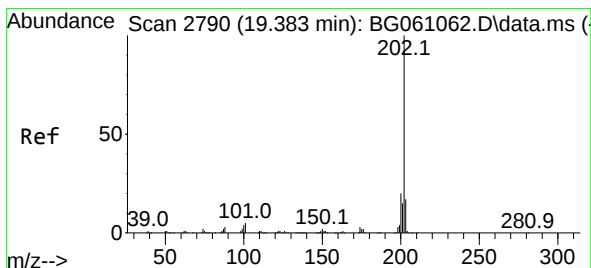
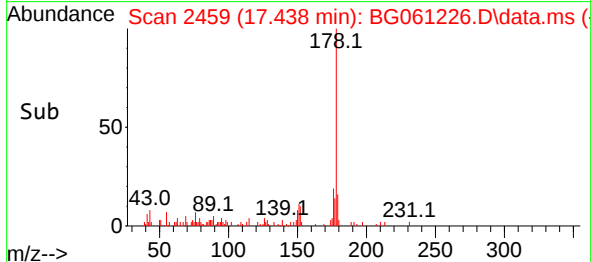
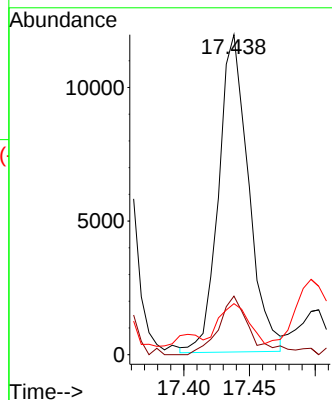
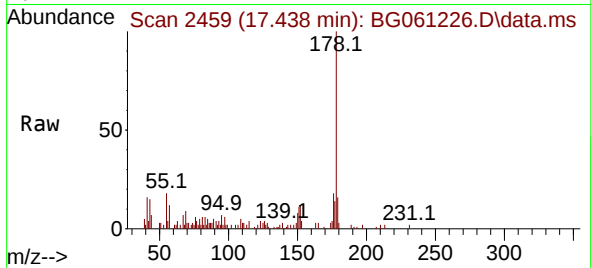




#72
 Anthracene
 Concen: 2.210 ng
 RT: 17.438 min Scan# 2463
 Delta R.T. -0.024 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

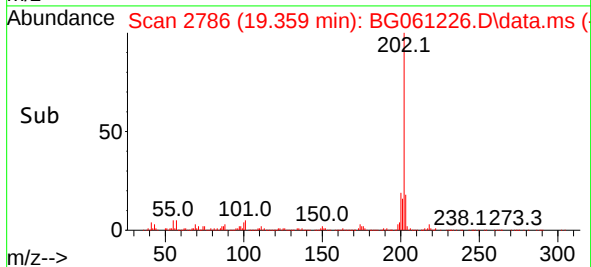
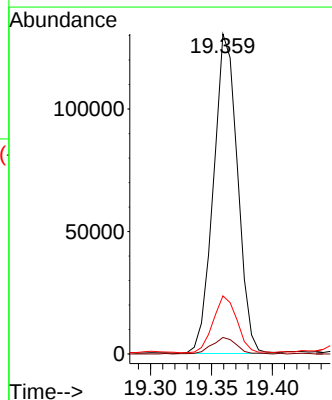
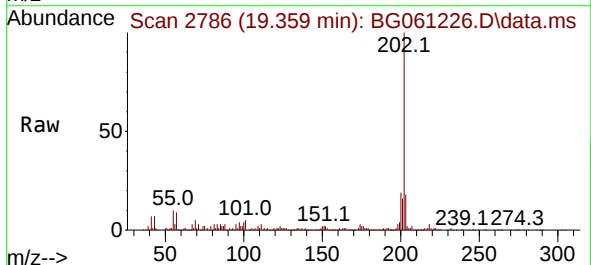
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

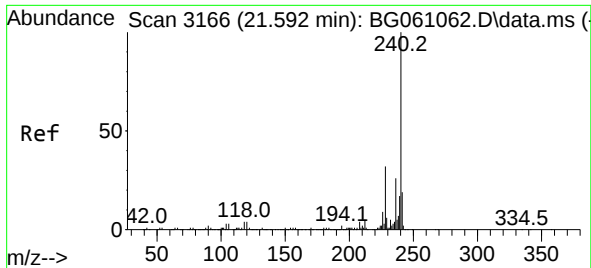
Tgt Ion:178 Resp: 18832
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 15.9 12.0 18.0



#75
 Fluoranthene
 Concen: 15.327 ng
 RT: 19.359 min Scan# 2786
 Delta R.T. -0.024 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

Tgt Ion:202 Resp: 179320
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 24.7
 203 18.1 0.0 37.1

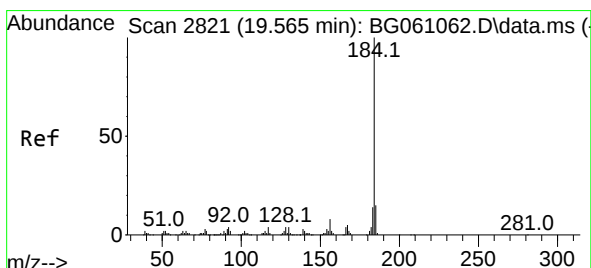
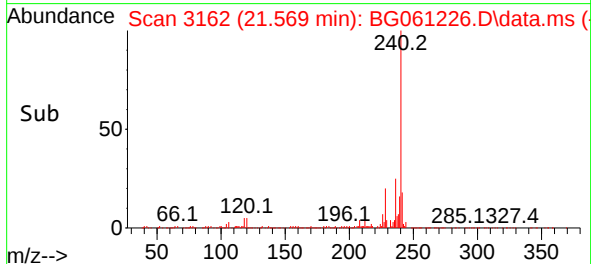
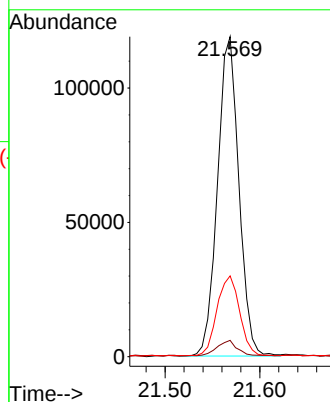
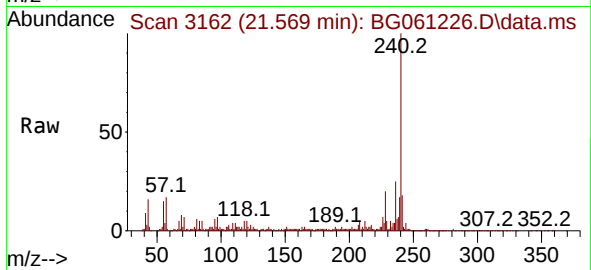




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

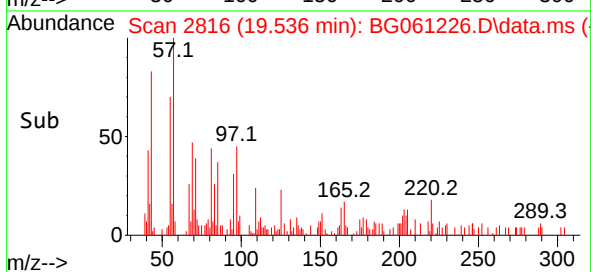
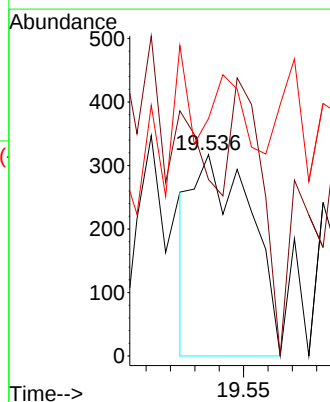
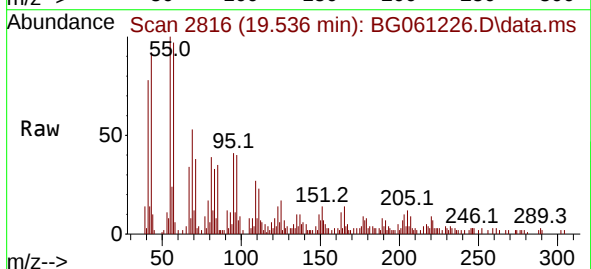
Instrument :
BNA_G
ClientSampleId :
ETGI-339

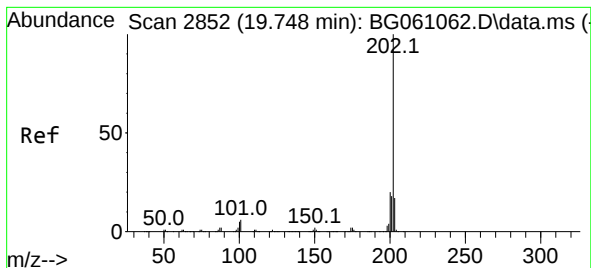
Tgt Ion:240 Resp: 186559
Ion Ratio Lower Upper
240 100
120 5.1 3.2 4.8#
236 25.2 21.0 31.6



#77
Benzidine
Concen: 2.935 ng
RT: 19.536 min Scan# 2816
Delta R.T. -0.029 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:184 Resp: 526
Ion Ratio Lower Upper
184 100
185 87.7 12.0 18.0#
183 118.0 10.9 16.3#





#78

Pyrene

Concen: 24.945 ng

RT: 19.724 min Scan# 2848

Delta R.T. -0.024 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

Instrument :

BNA_G

ClientSampleId :

ETGI-339

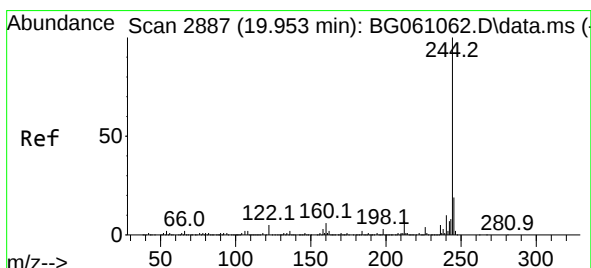
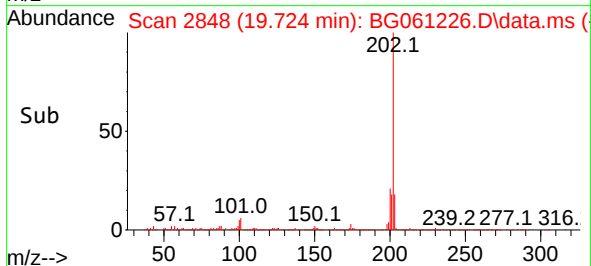
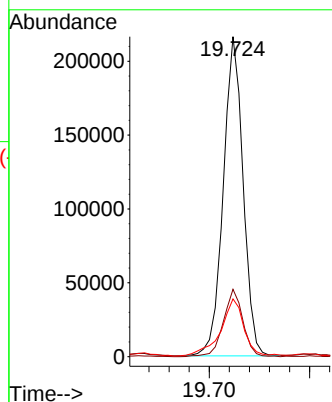
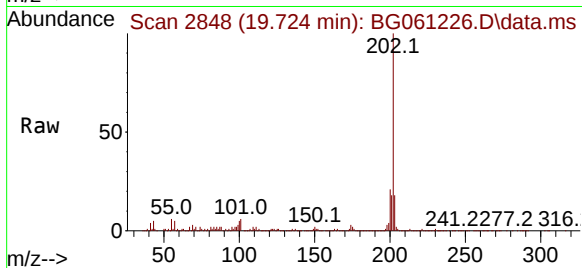
Tgt Ion:202 Resp: 295861

Ion Ratio Lower Upper

202 100

200 21.1 16.2 24.4

203 18.0 13.3 19.9



#79

Terphenyl-d14

Concen: 55.318 ng

RT: 19.923 min Scan# 2882

Delta R.T. -0.030 min

Lab File: BG061226.D

Acq: 16 May 2024 18:42

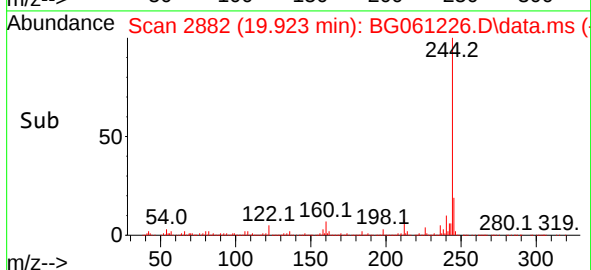
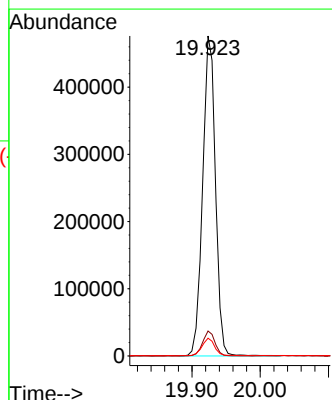
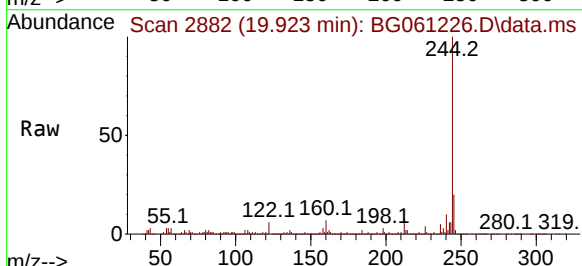
Tgt Ion:244 Resp: 620512

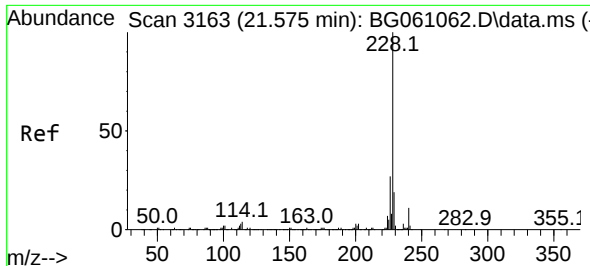
Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

122 5.6 4.2 6.2

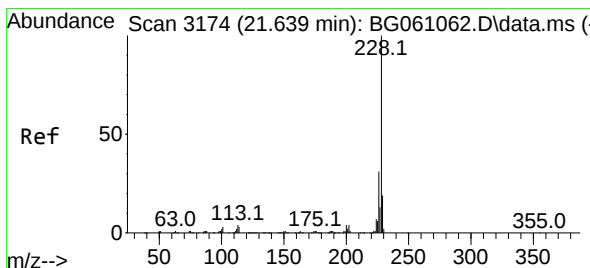
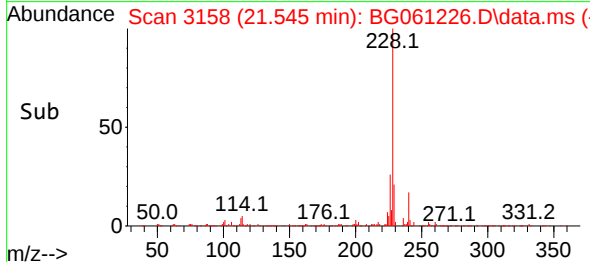
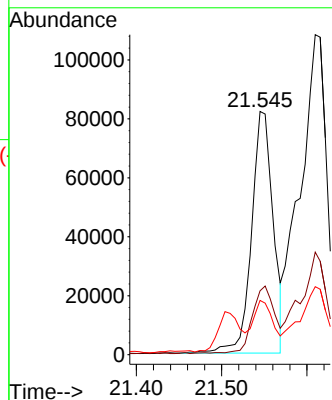
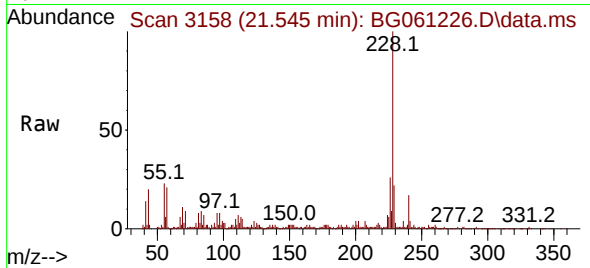




#81
Benzo(a)anthracene
Concen: 11.817 ng
RT: 21.545 min Scan# 3163
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

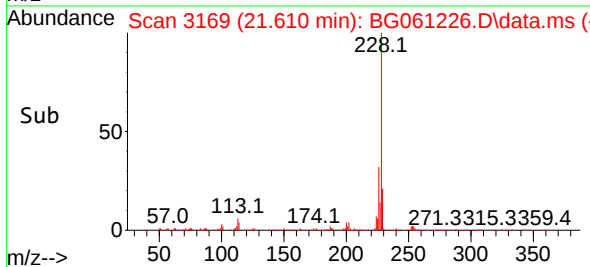
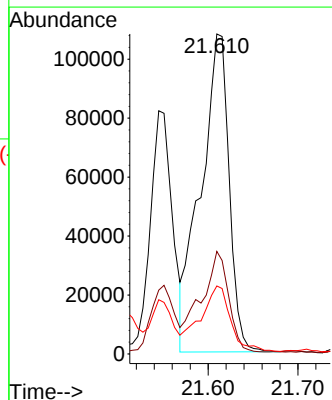
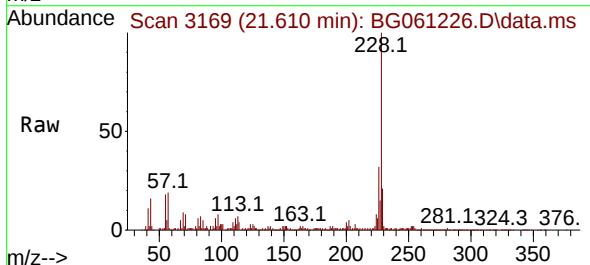
Instrument :
BNA_G
ClientSampleId :
ETGI-339

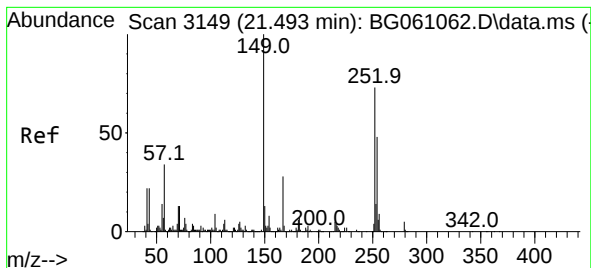
Tgt Ion:228 Resp: 144257
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 22.3 15.0 22.4



#83
Chrysene
Concen: 20.720 ng
RT: 21.610 min Scan# 3169
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:228 Resp: 236984
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 21.3 14.8 22.2

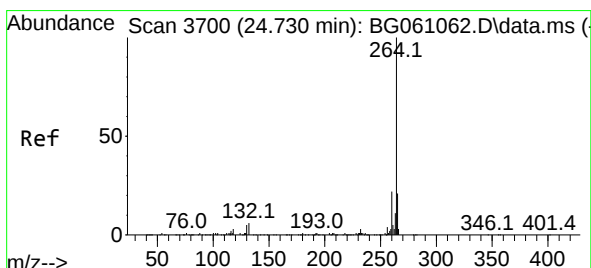
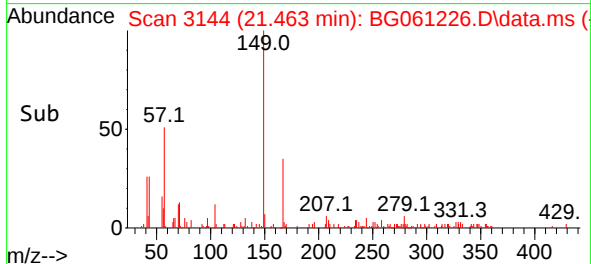
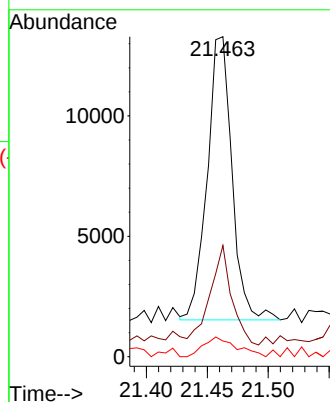
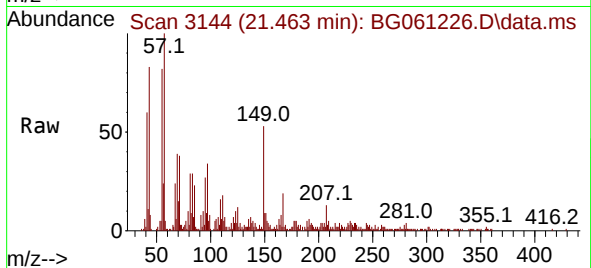




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.389 ng
RT: 21.463 min Scan# 3144
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

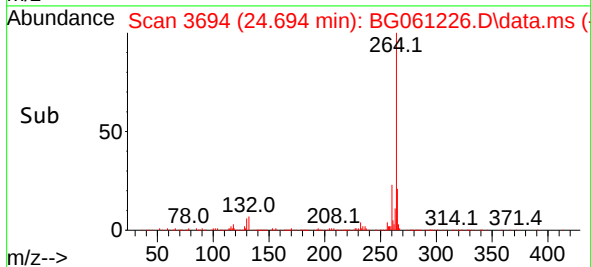
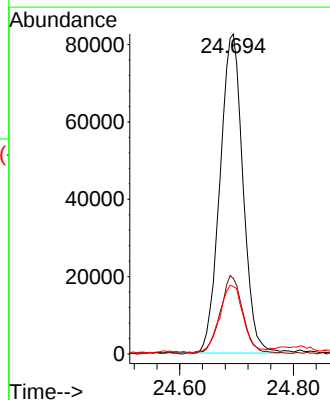
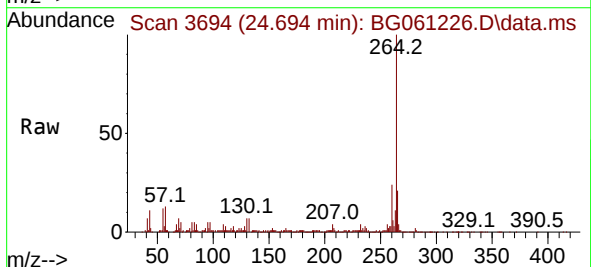
Instrument :
BNA_G
ClientSampleId :
ETGI-339

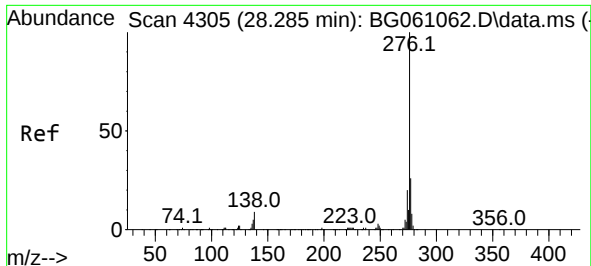
Tgt Ion:149 Resp: 16614
Ion Ratio Lower Upper
149 100
167 34.7 22.1 33.1#
279 4.9 4.1 6.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.694 min Scan# 3694
Delta R.T. -0.036 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:264 Resp: 231392
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 21.0 16.4 24.6

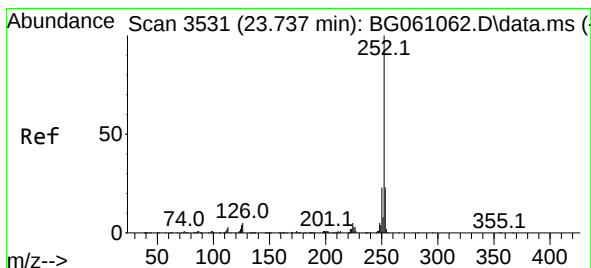
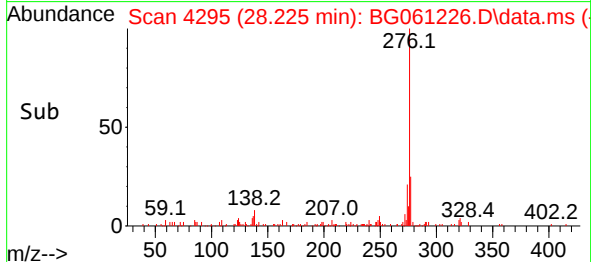
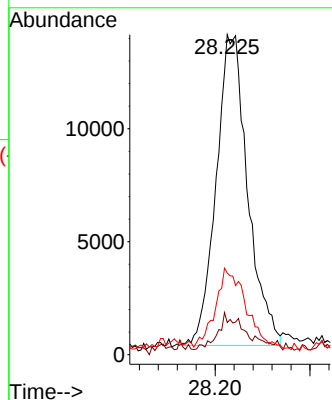
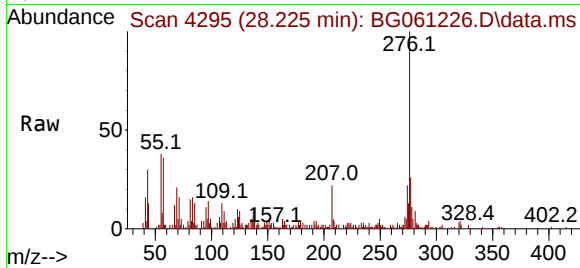




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.151 ng
 RT: 28.225 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

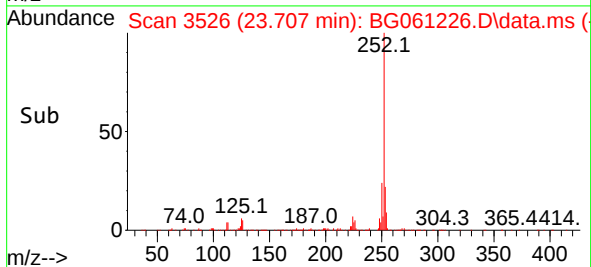
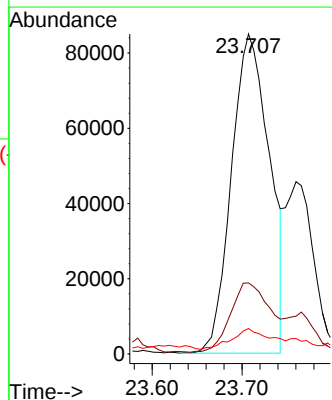
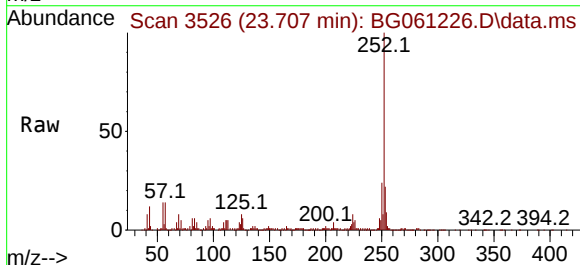
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

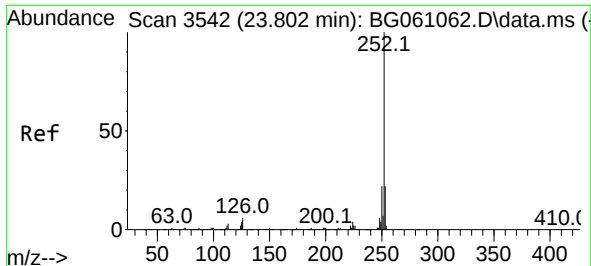
Tgt Ion:276 Resp: 63651
 Ion Ratio Lower Upper
 276 100
 138 8.5 5.1 7.7#
 277 24.9 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 19.305 ng
 RT: 23.707 min Scan# 3526
 Delta R.T. -0.030 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

Tgt Ion:252 Resp: 249621
 Ion Ratio Lower Upper
 252 100
 253 22.2 18.2 27.2
 125 8.0 3.4 5.0#

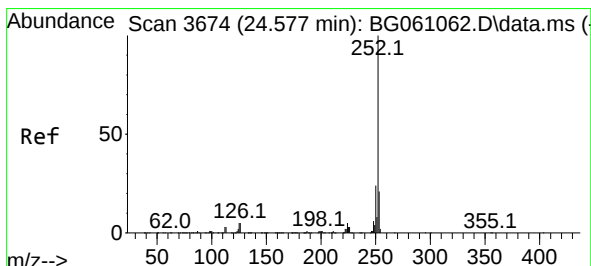
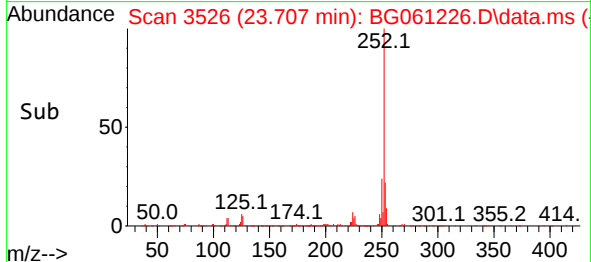
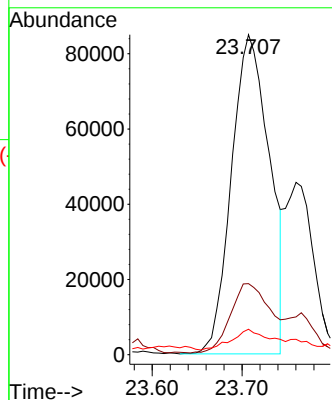
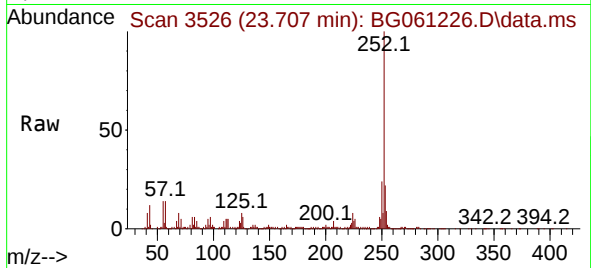




#89
Benzo(k)fluoranthene
Concen: 20.067 ng
RT: 23.707 min Scan# 31
Delta R.T. -0.094 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

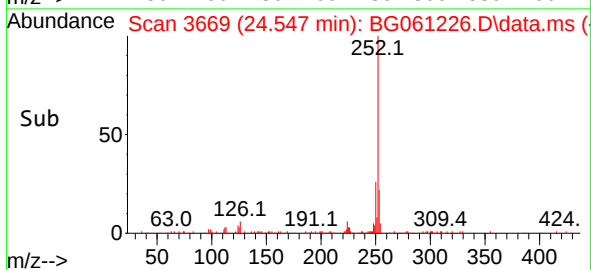
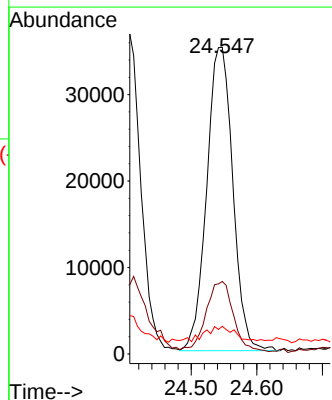
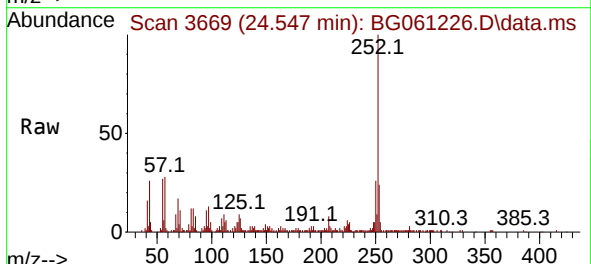
Instrument :
BNA_G
ClientSampleId :
ETGI-339

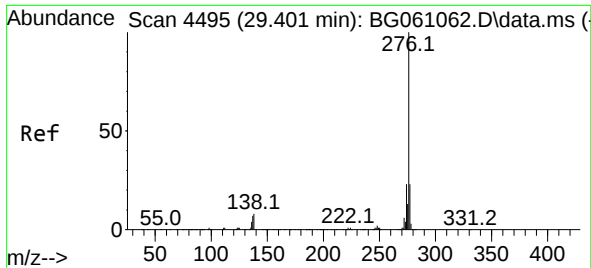
Tgt Ion:252 Resp: 249621
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 8.0 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 8.610 ng
RT: 24.547 min Scan# 3669
Delta R.T. -0.030 min
Lab File: BG061226.D
Acq: 16 May 2024 18:42

Tgt Ion:252 Resp: 96989
Ion Ratio Lower Upper
252 100
253 23.6 16.9 25.3
125 9.0 3.8 5.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.381 ng
 RT: 29.342 min Scan# 44
 Delta R.T. -0.059 min
 Lab File: BG061226.D
 Acq: 16 May 2024 18:42

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-339

Tgt Ion:276 Resp: 55282
 Ion Ratio Lower Upper
 276 100
 277 19.8 18.2 27.4
 138 13.5 6.2 9.2#

