

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020224\
 Data File : BG060547.D
 Acq On : 2 Feb 2024 00:24
 Operator : MA/JU
 Sample : P1316-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Feb 02 00:59:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

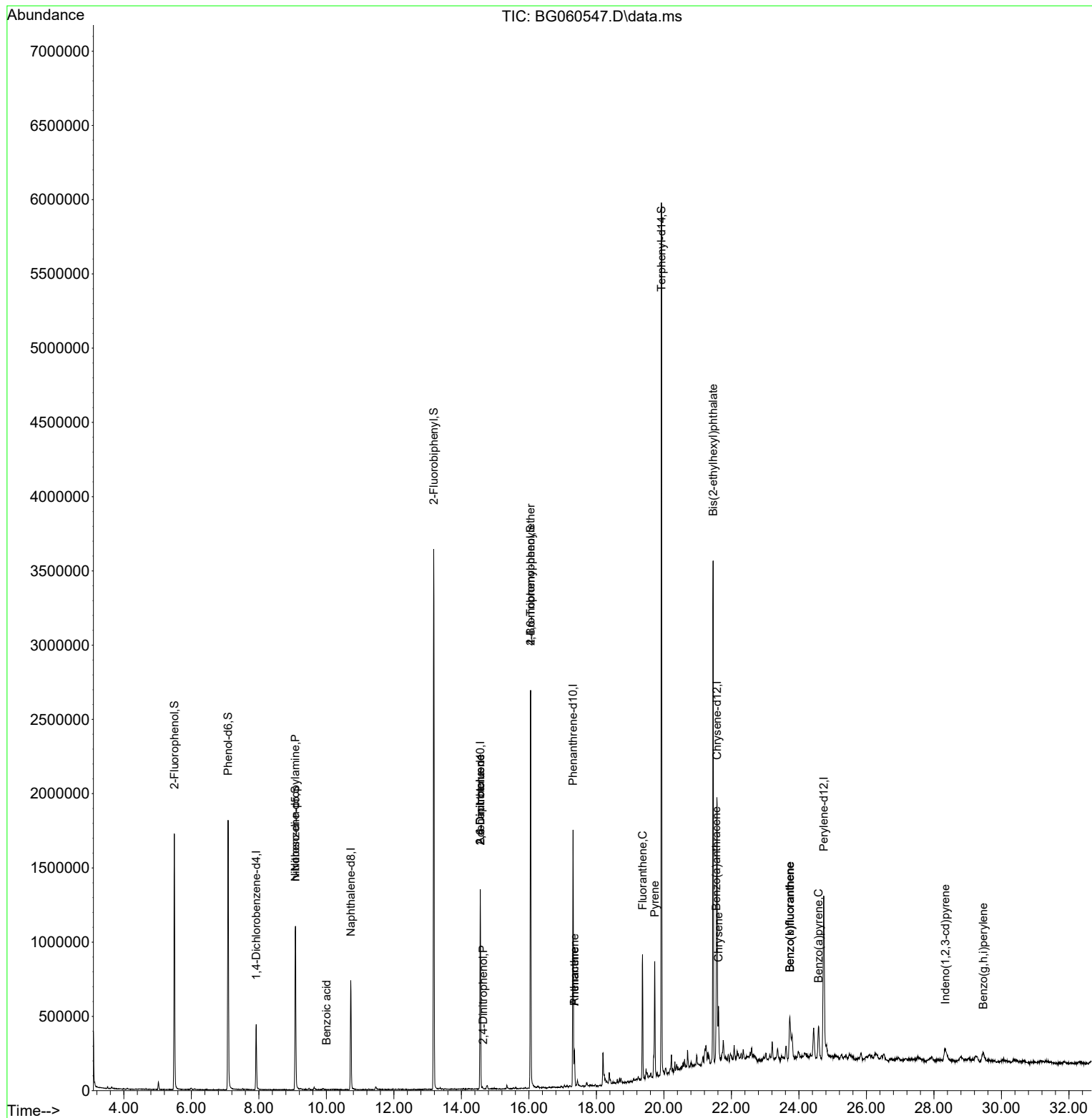
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	141603	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	658649	20.000	ng	# 0.00
39) Acenaphthene-d10	14.560	164	497793	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	1166027	20.000	ng	0.00
76) Chrysene-d12	21.575	240	1081678	20.000	ng	0.00
86) Perylene-d12	24.736	264	1225182	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	826246	95.972	ng	0.00
7) Phenol-d6	7.086	99	1229567	96.450	ng	0.00
23) Nitrobenzene-d5	9.084	82	781893	56.056	ng	0.00
42) 2,4,6-Tribromophenol	16.052	330	652752	89.125	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	2058927	57.505	ng	0.00
79) Terphenyl-d14	19.930	244	3125062	67.408	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.084	70	93127	10.555	ng	# 83
32) Benzoic acid	10.006	122	71	10.210	ng	# 1
51) 2,6-Dinitrotoluene	14.560	165	64868	7.992	ng	# 33
54) 2,4-Dinitrophenol	14.642	184	64	8.598	ng	# 1
57) 2,4-Dinitrotoluene	14.560	165	64868	5.828	ng	# 25
67) 4-Bromophenyl-phenylether	16.052	248	41950	3.274	ng	# 1
71) Phenanthrene	17.351	178	158310	2.809	ng	95
72) Anthracene	17.351	178	158310	2.813	ng	95
75) Fluoranthene	19.366	202	564481	8.339	ng	87
78) Pyrene	19.730	202	529648	7.668	ng	# 84
81) Benzo(a)anthracene	21.552	228	286246	4.275	ng	93
83) Chrysene	21.616	228	266879	4.052	ng	93
84) Bis(2-ethylhexyl)phtha...	21.458	149	1464260	40.774	ng	100
87) Indeno(1,2,3-cd)pyrene	28.338	276	174778	2.052	ng	97
88) Benzo(b)fluoranthene	23.732	252	382061	5.279	ng	# 92
89) Benzo(k)fluoranthene	23.732	252	382061	5.349	ng	# 93
90) Benzo(a)pyrene	24.578	252	263693	4.033	ng	96
92) Benzo(g,h,i)perylene	29.460	276	164772	2.311	ng	# 94

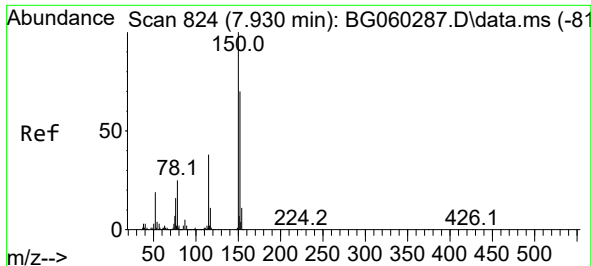
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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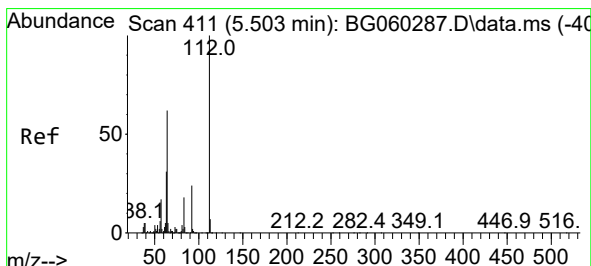
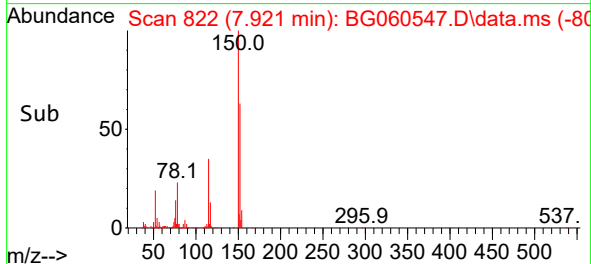
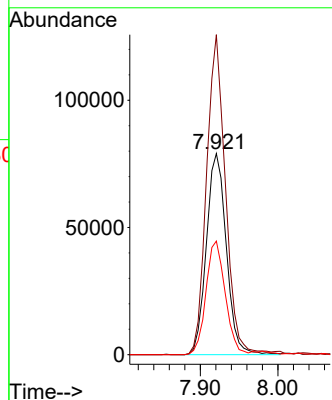
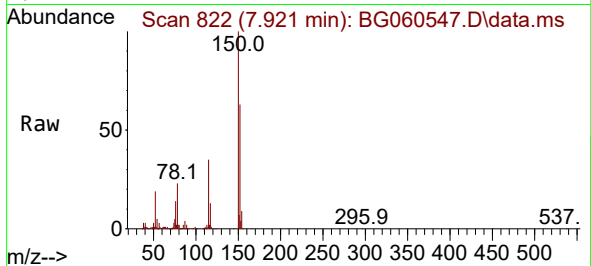




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

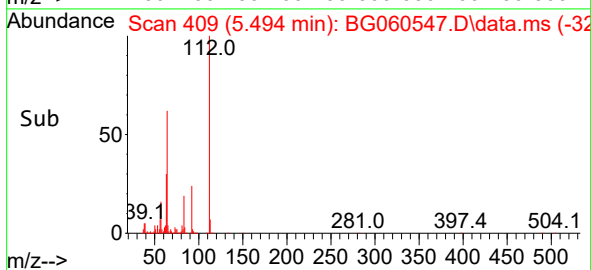
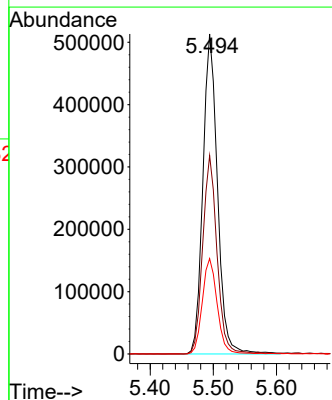
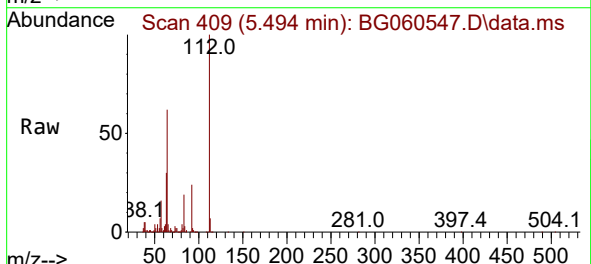
Instrument :
BNA_G
ClientSampleId :
COMP-2

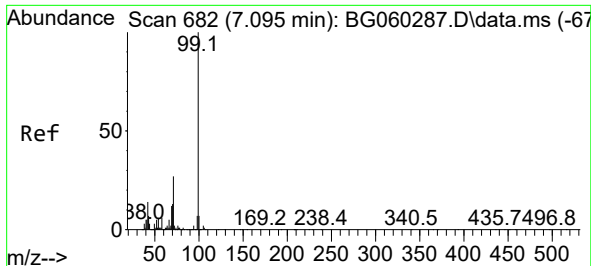
Tgt Ion:152 Resp: 141603
Ion Ratio Lower Upper
152 100
150 159.2 114.5 171.7
115 56.5 43.0 64.6



#5
2-Fluorophenol
Concen: 95.972 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:112 Resp: 826246
Ion Ratio Lower Upper
112 100
64 62.0 49.8 74.6
63 29.8 24.4 36.6

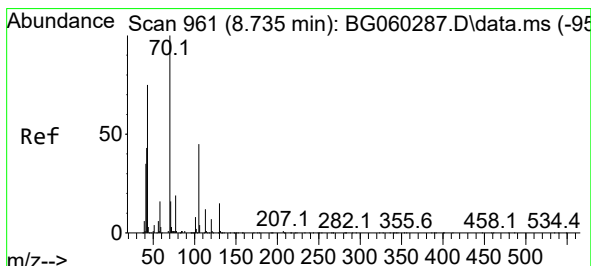
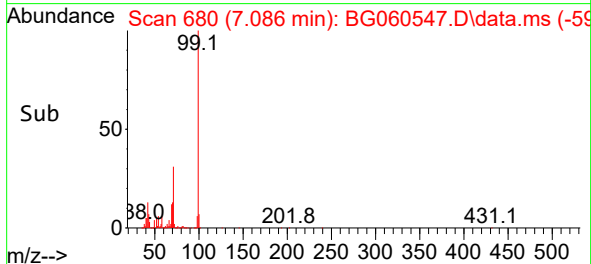
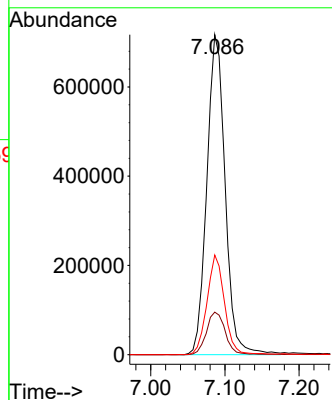
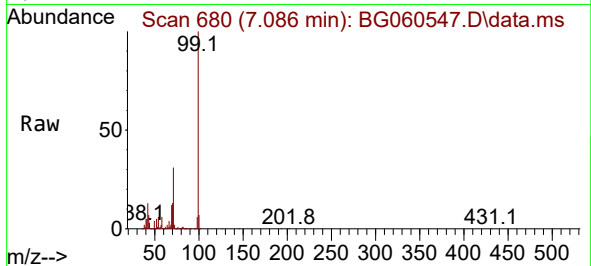




#7
Phenol-d6
Concen: 96.450 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

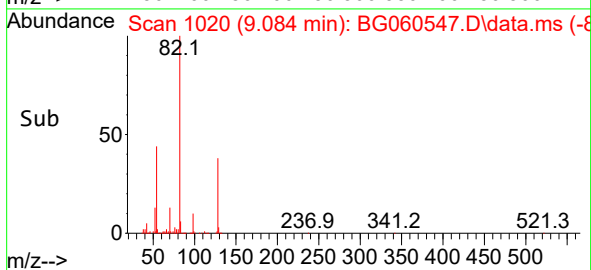
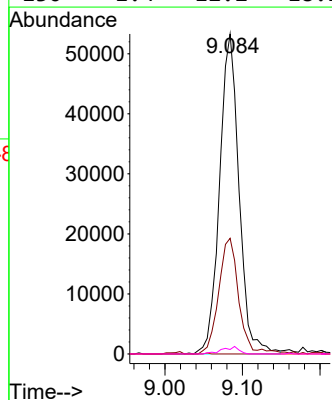
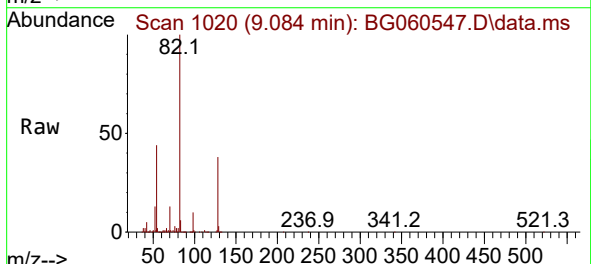
Instrument :
BNA_G
ClientSampleId :
COMP-2

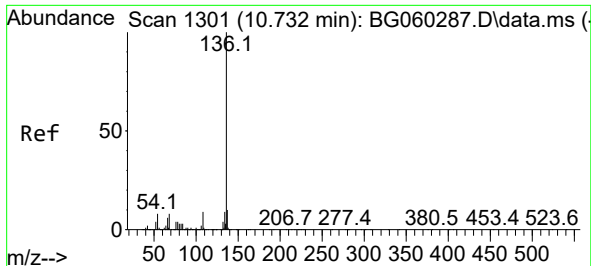
Tgt Ion: 99 Resp: 1229567
Ion Ratio Lower Upper
99 100
42 13.3 10.9 16.3
71 31.2 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.555 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.349 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion: 70 Resp: 93127
Ion Ratio Lower Upper
70 100
42 36.1 34.3 51.5
101 0.0 6.2 9.2#
130 1.4 12.2 18.2#

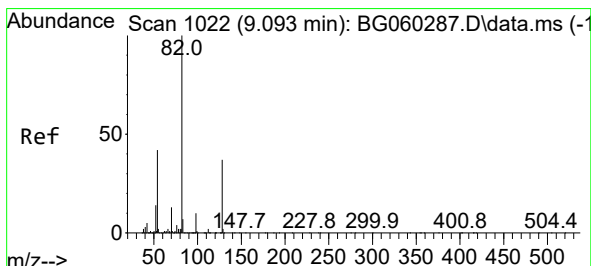
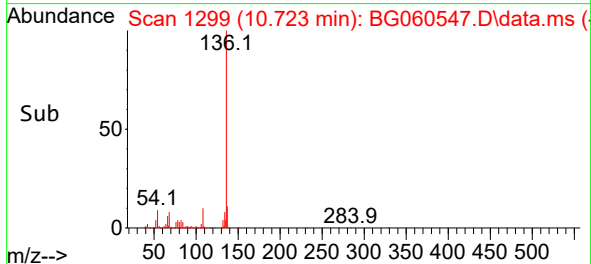
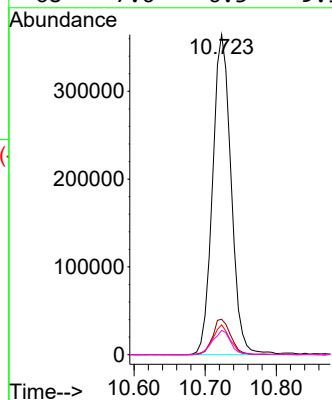
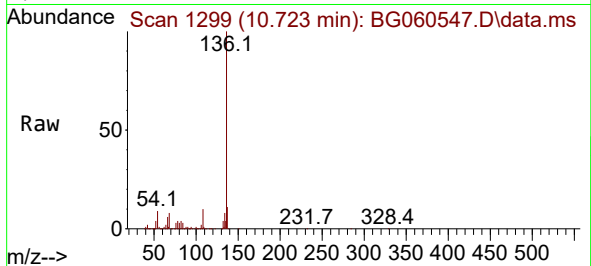




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

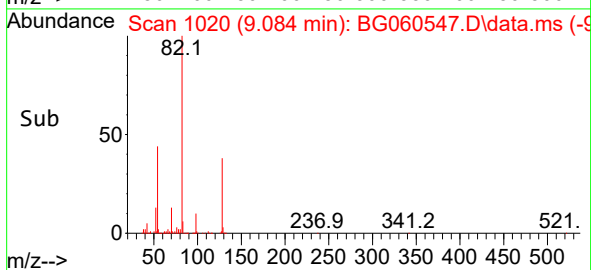
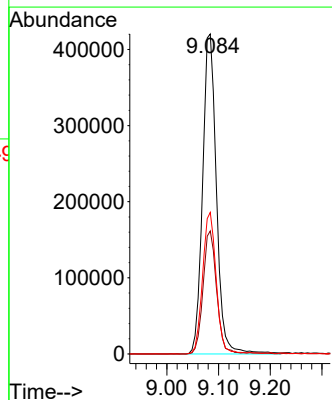
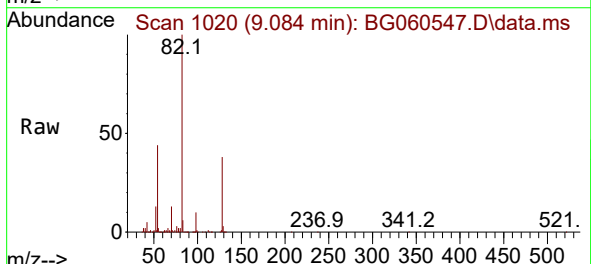
Instrument :
BNA_G
ClientSampleId :
COMP-2

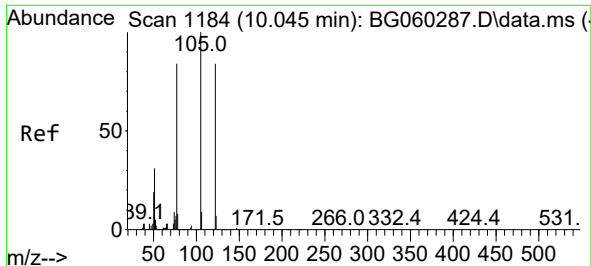
Tgt Ion:136 Resp: 658649
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 9.3 6.2 9.2#
68 7.6 6.3 9.5



#23
Nitrobenzene-d5
Concen: 56.056 ng
RT: 9.084 min Scan# 1020
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion: 82 Resp: 781893
Ion Ratio Lower Upper
82 100
128 38.5 29.6 44.4
54 44.2 33.6 50.4

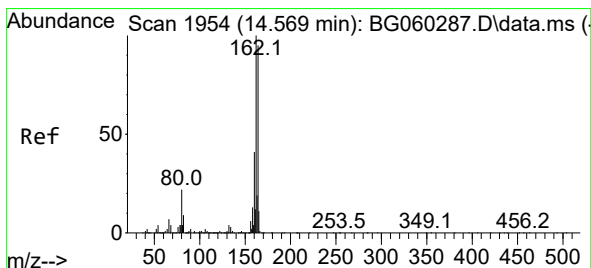
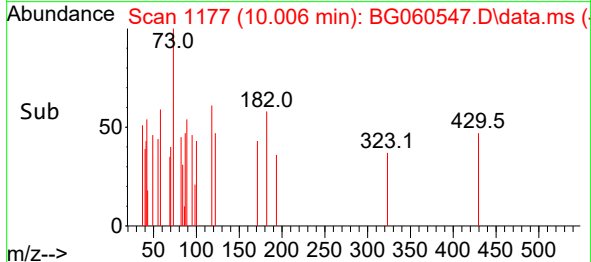
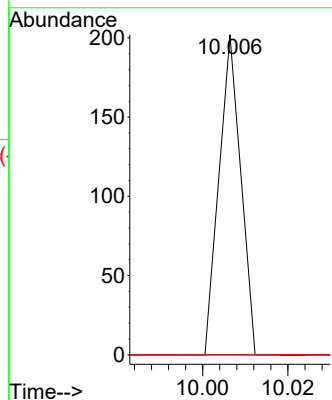
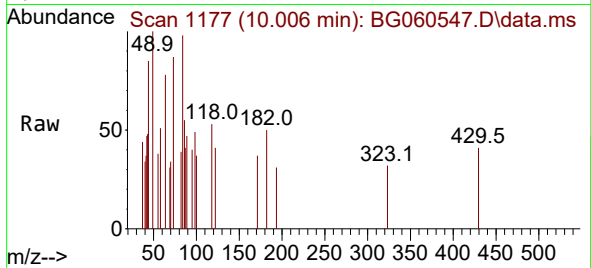




#32
Benzoic acid
Concen: 10.210 ng
RT: 10.006 min Scan# 1184
Delta R.T. -0.039 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

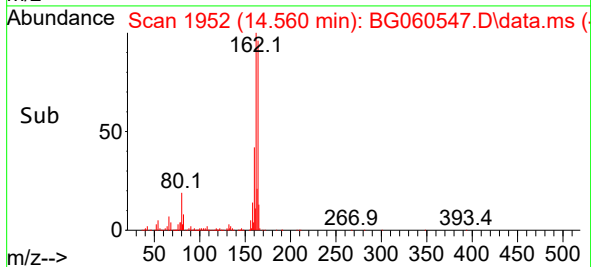
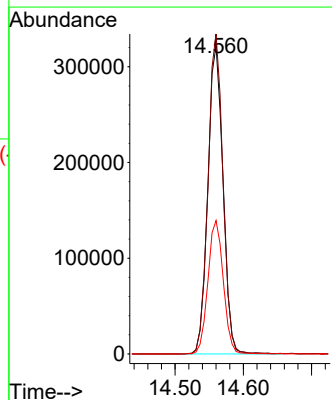
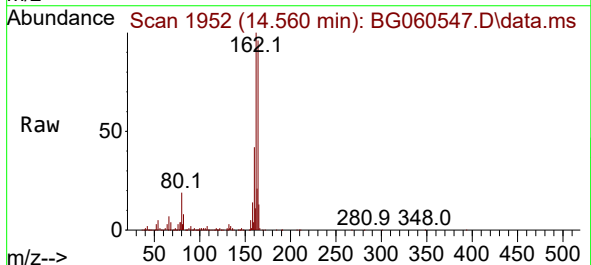
Instrument :
BNA_G
ClientSampleId :
COMP-2

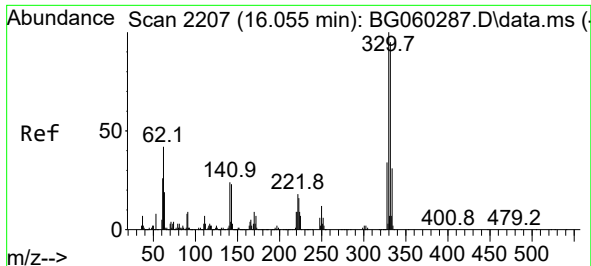
Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:164 Resp: 497793
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 43.3 34.6 52.0

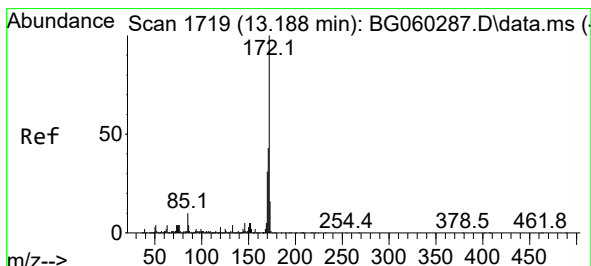
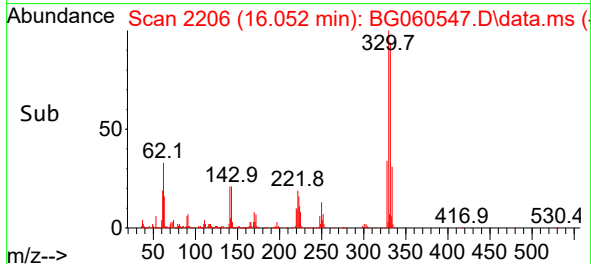
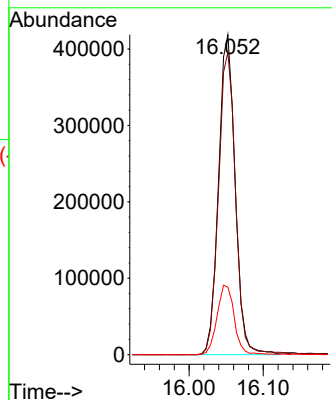
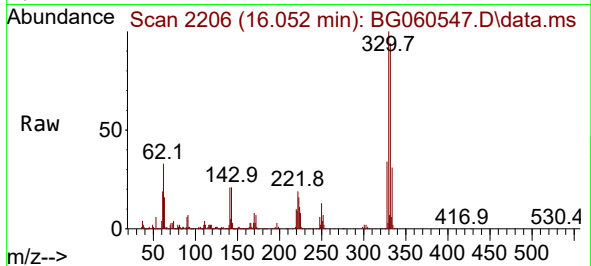




#42
2,4,6-Tribromophenol
Concen: 89.125 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

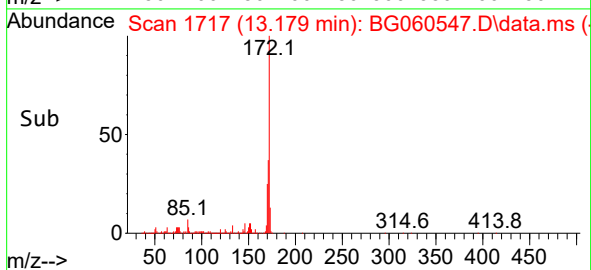
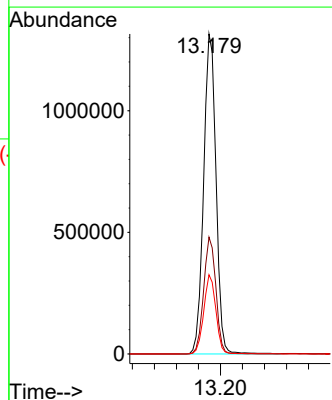
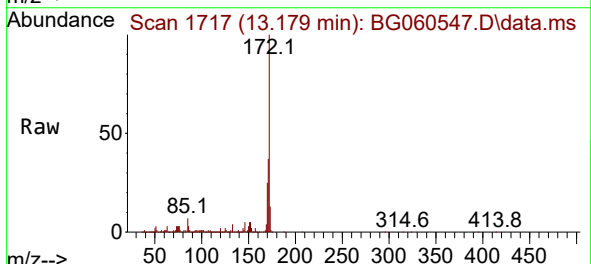
Instrument :
BNA_G
ClientSampleId :
COMP-2

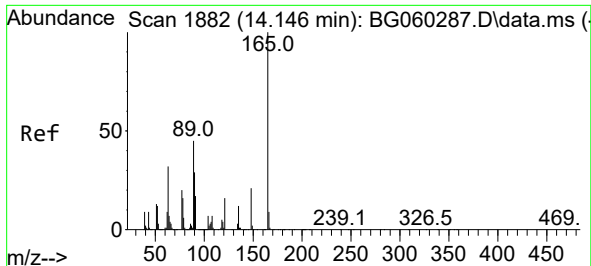
Tgt Ion:330 Resp: 652752
Ion Ratio Lower Upper
330 100
332 97.3 76.7 115.1
141 22.6 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 57.505 ng
RT: 13.179 min Scan# 1717
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:172 Resp: 2058927
Ion Ratio Lower Upper
172 100
171 36.5 34.6 51.8
170 24.7 24.4 36.6

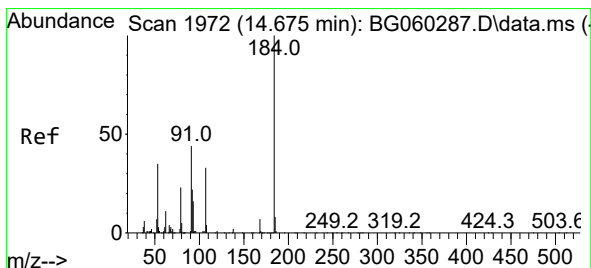
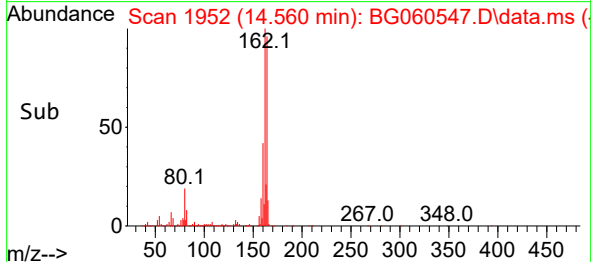
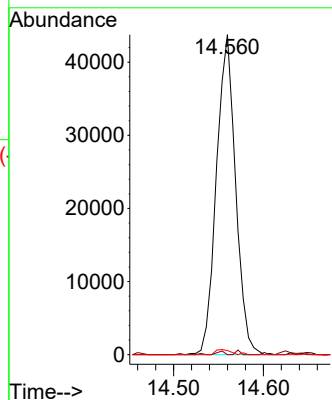
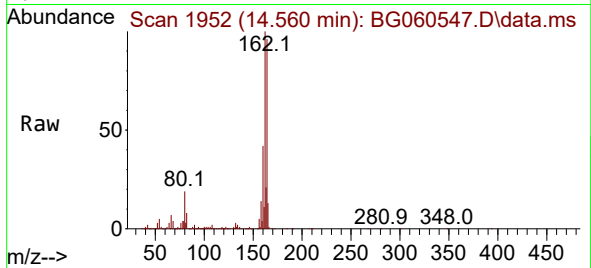




#51
2,6-Dinitrotoluene
Concen: 7.992 ng
RT: 14.560 min Scan# 1952
Delta R.T. 0.414 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

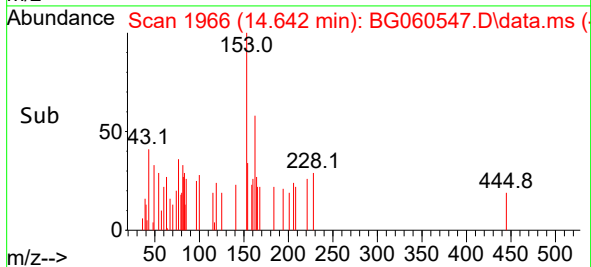
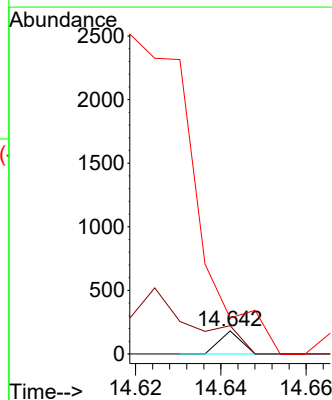
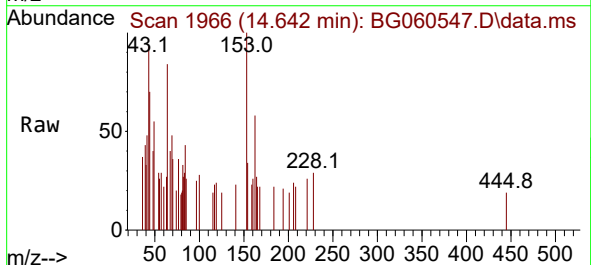
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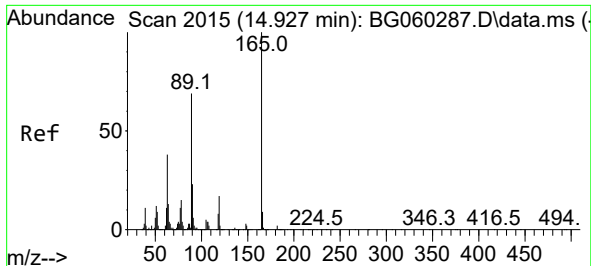
Tgt Ion:165 Resp: 64868
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.4#
89 1.3 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.598 ng
RT: 14.642 min Scan# 1966
Delta R.T. -0.033 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 122.5 41.0 61.4#
154 155.5 39.2 58.8#

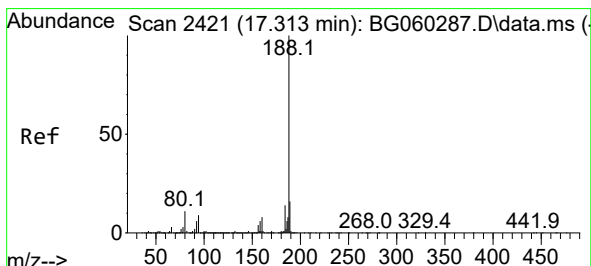
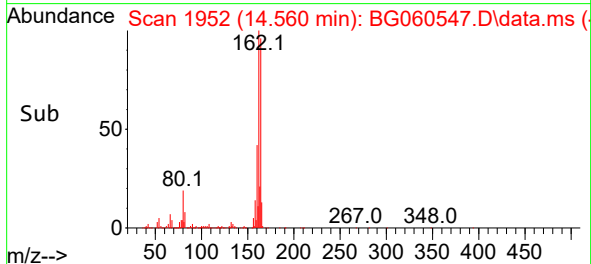
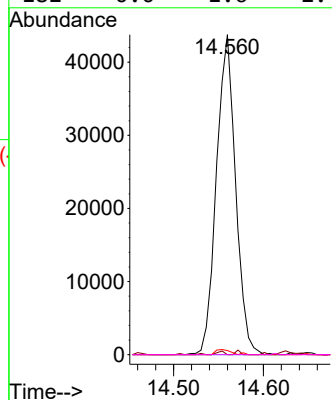
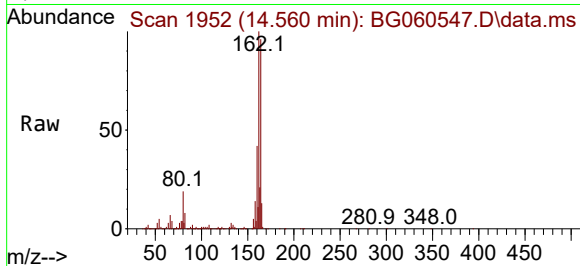




#57
2,4-Dinitrotoluene
Concen: 5.828 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.367 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

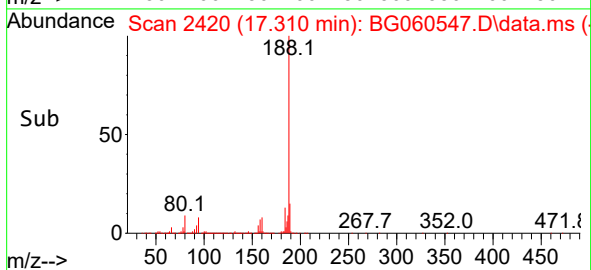
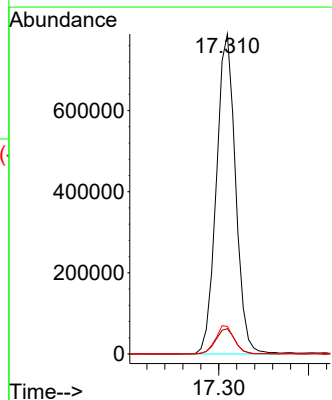
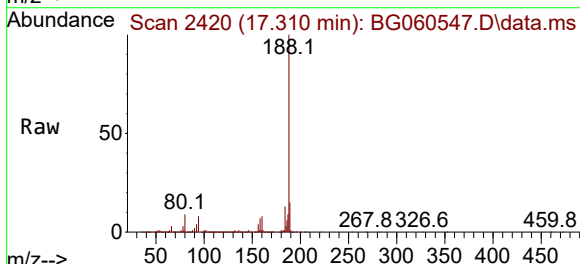
Instrument :
BNA_G
ClientSampleId :
COMP-2

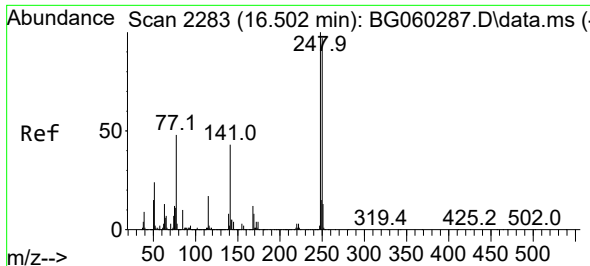
Tgt Ion:165 Resp: 64868
Ion Ratio Lower Upper
165 100
63 0.0 30.4 45.6#
89 1.3 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2420
Delta R.T. -0.003 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:188 Resp: 1166027
Ion Ratio Lower Upper
188 100
94 7.9 7.1 10.7
80 8.6 8.5 12.7

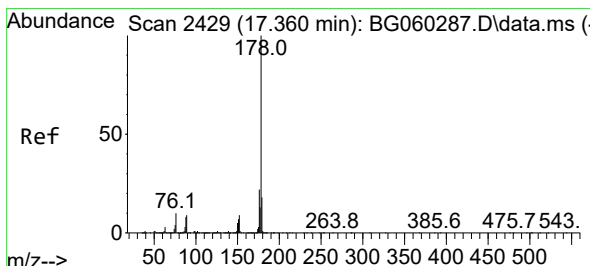
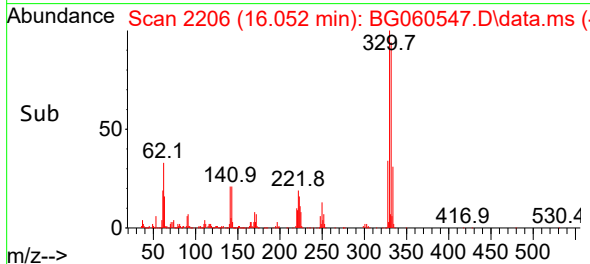
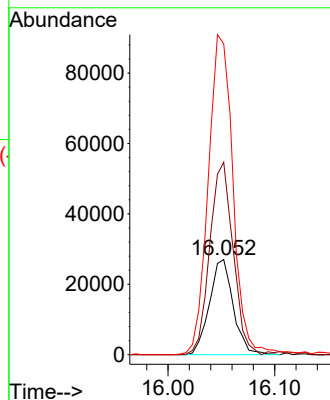
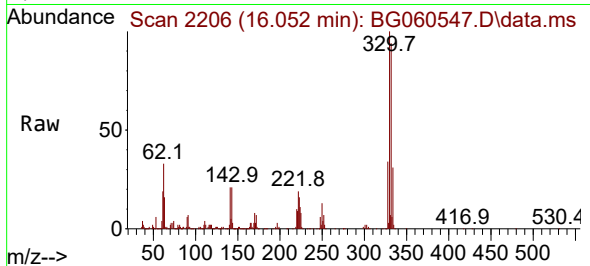




#67
4-Bromophenyl-phenylether
Concen: 3.274 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.450 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

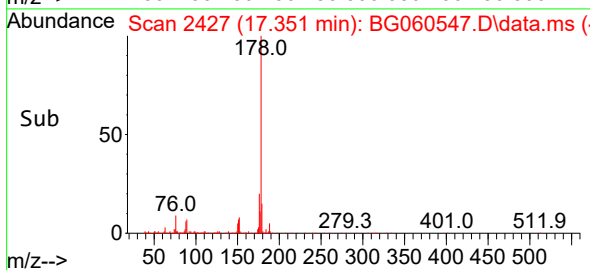
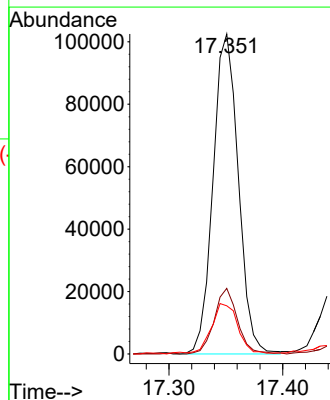
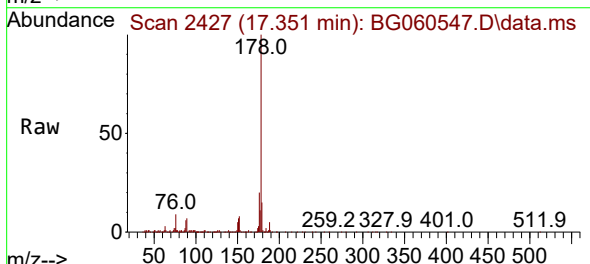
Instrument :
BNA_G
ClientSampleId :
COMP-2

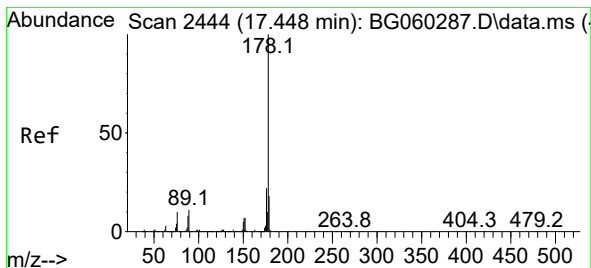
Tgt Ion:248 Resp: 41950
Ion Ratio Lower Upper
248 100
250 202.0 77.6 116.4#
141 326.4 34.2 51.4#



#71
Phenanthrene
Concen: 2.809 ng
RT: 17.351 min Scan# 2427
Delta R.T. -0.009 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:178 Resp: 158310
Ion Ratio Lower Upper
178 100
176 20.5 17.4 26.2
179 15.1 14.7 22.1





#72

Anthracene

Concen: 2.813 ng

RT: 17.351 min Scan# 24

Delta R.T. -0.097 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

Instrument :

BNA_G

ClientSampleId :

COMP-2

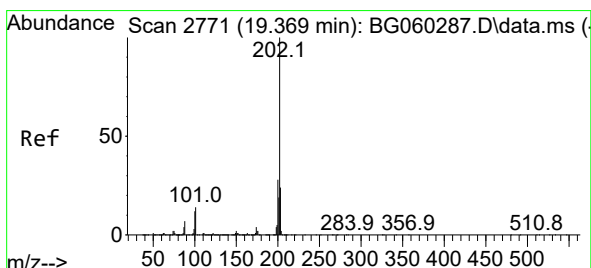
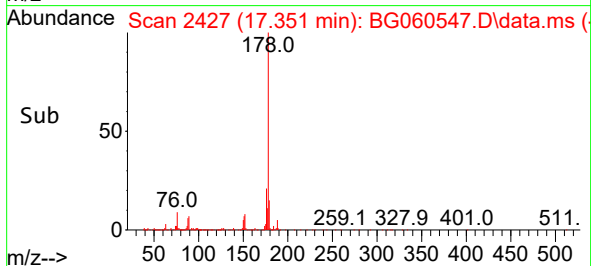
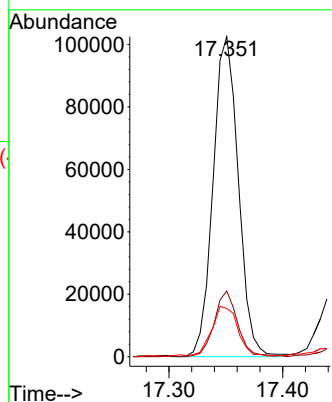
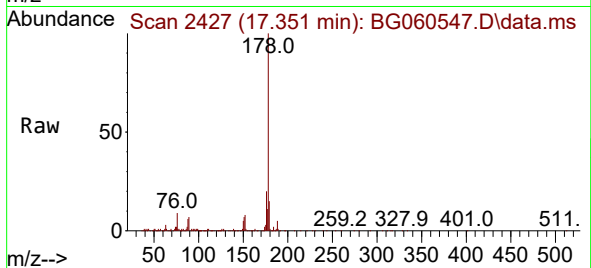
Tgt Ion:178 Resp: 158310

Ion Ratio Lower Upper

178 100

176 20.5 17.8 26.6

179 15.1 14.1 21.1



#75

Fluoranthene

Concen: 8.339 ng

RT: 19.366 min Scan# 2770

Delta R.T. -0.003 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

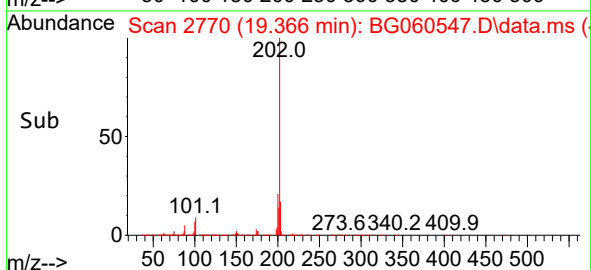
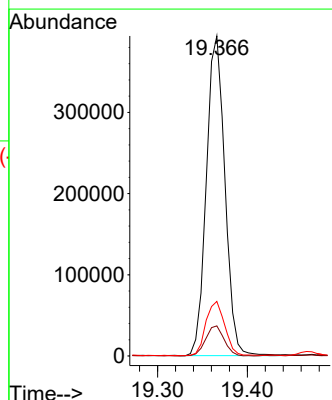
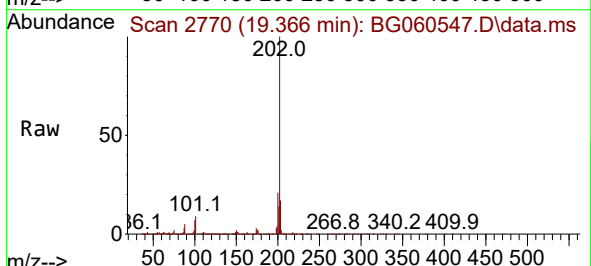
Tgt Ion:202 Resp: 564481

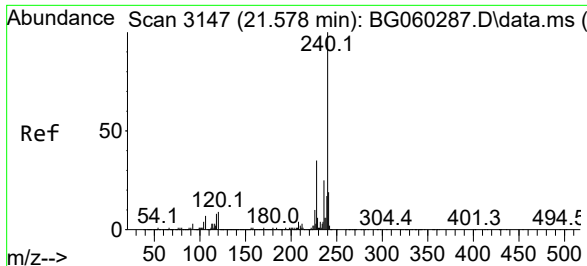
Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.4

203 17.1 4.0 44.0

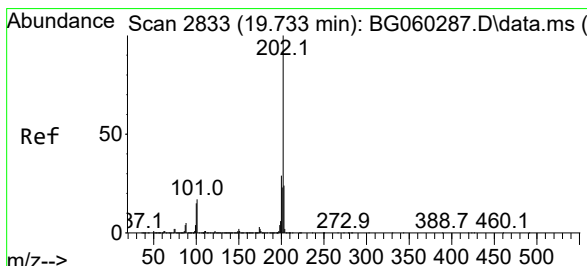
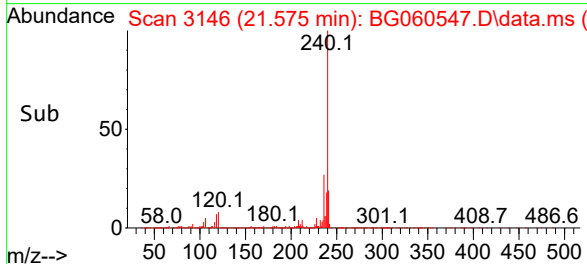
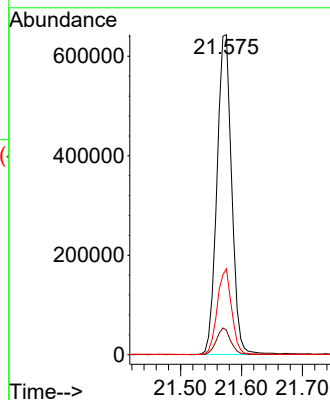
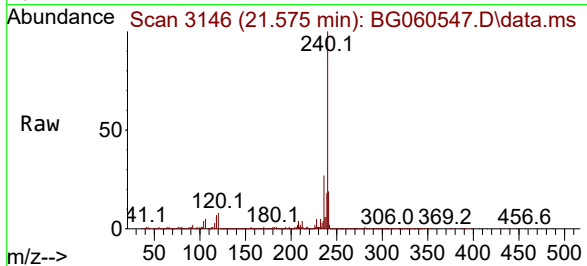




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

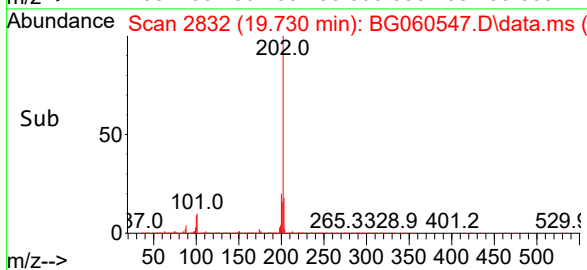
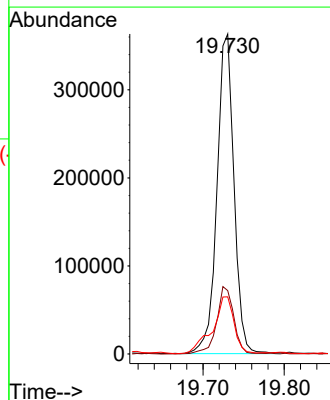
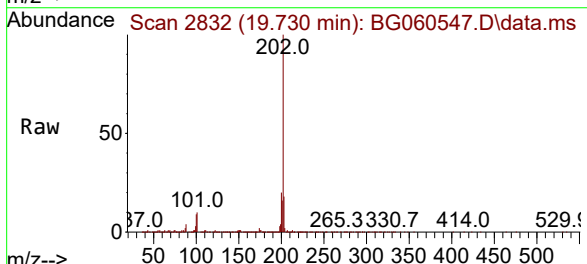
Instrument :
BNA_G
ClientSampleId :
COMP-2

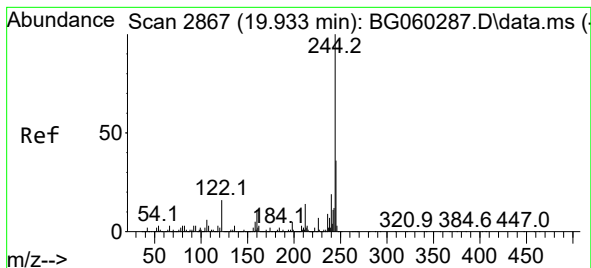
Tgt Ion:240 Resp: 1081678
Ion Ratio Lower Upper
240 100
120 7.6 7.3 10.9
236 26.8 20.3 30.5



#78
Pyrene
Concen: 7.668 ng
RT: 19.730 min Scan# 2832
Delta R.T. -0.003 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:202 Resp: 529648
Ion Ratio Lower Upper
202 100
200 19.8 23.5 35.3#
203 17.8 19.6 29.4#





#79

Terphenyl-d14

Concen: 67.408 ng

RT: 19.930 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

Instrument :

BNA_G

ClientSampleId :

COMP-2

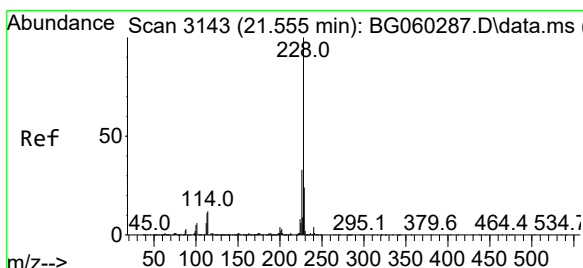
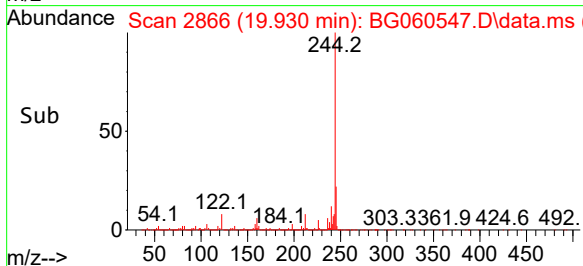
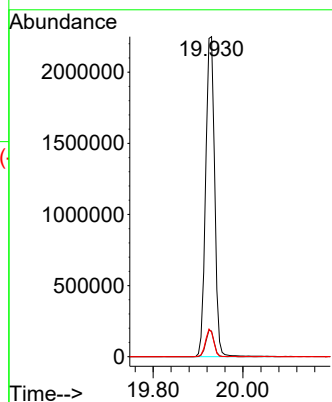
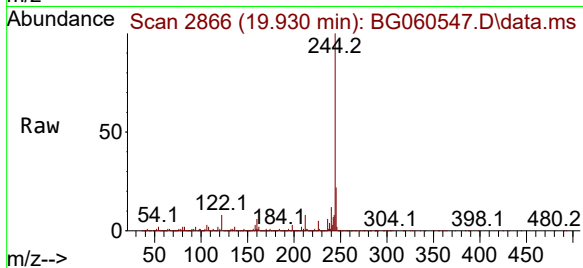
Tgt Ion:244 Resp: 3125062

Ion Ratio Lower Upper

244 100

212 8.0 10.9 16.3#

122 7.6 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 4.275 ng

RT: 21.552 min Scan# 3142

Delta R.T. -0.003 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

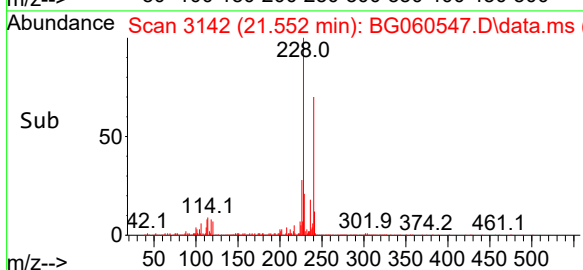
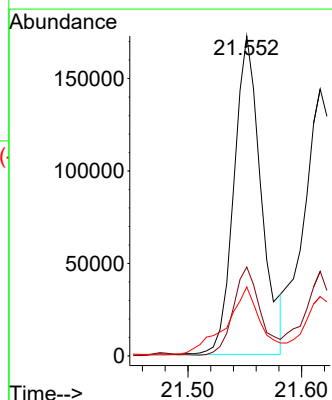
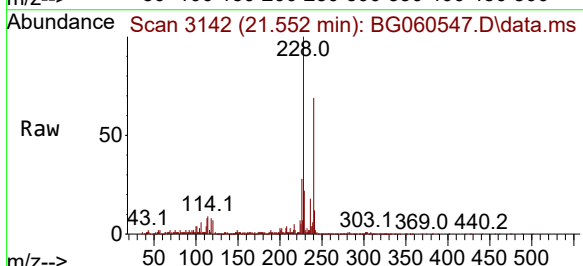
Tgt Ion:228 Resp: 286246

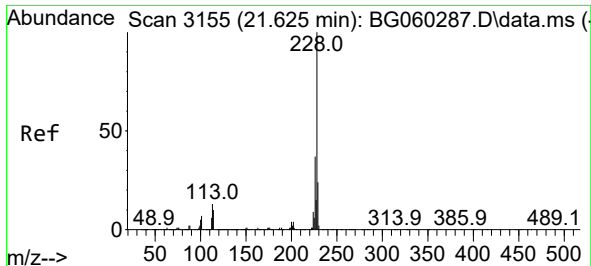
Ion Ratio Lower Upper

228 100

226 27.8 26.2 39.2

229 21.6 19.4 29.2





#83

Chrysene

Concen: 4.052 ng

RT: 21.616 min Scan# 3153

Delta R.T. -0.009 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

Instrument :

BNA_G

ClientSampleId :

COMP-2

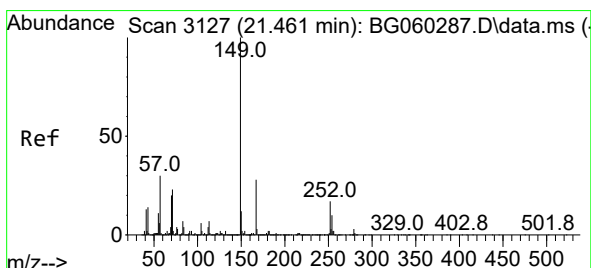
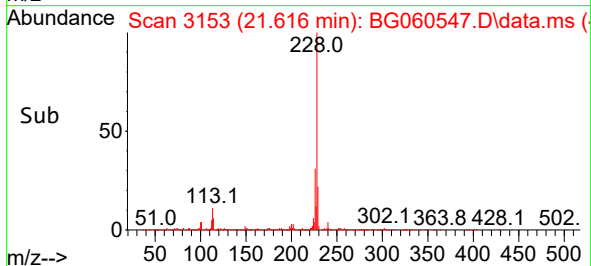
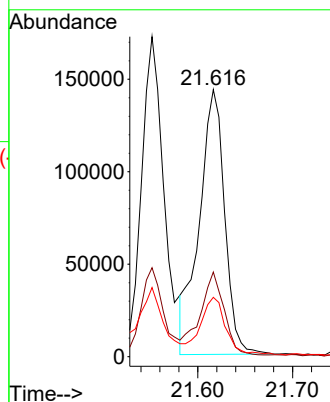
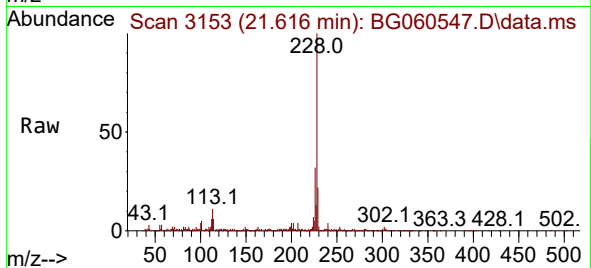
Tgt Ion:228 Resp: 266879

Ion Ratio Lower Upper

228 100

226 31.7 29.4 44.2

229 22.2 19.2 28.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.774 ng

RT: 21.458 min Scan# 3126

Delta R.T. -0.003 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

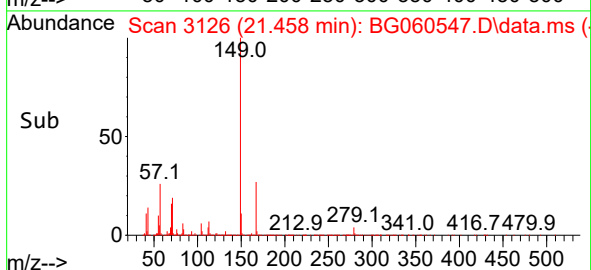
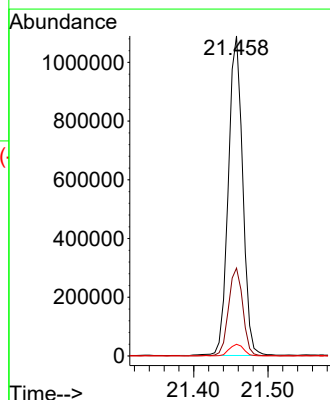
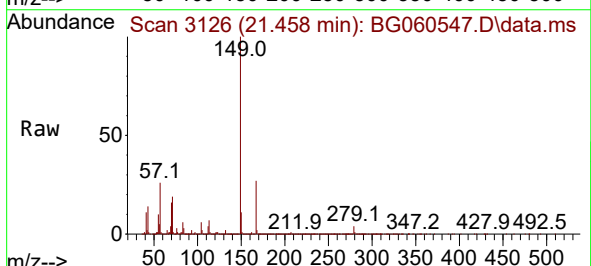
Tgt Ion:149 Resp: 1464260

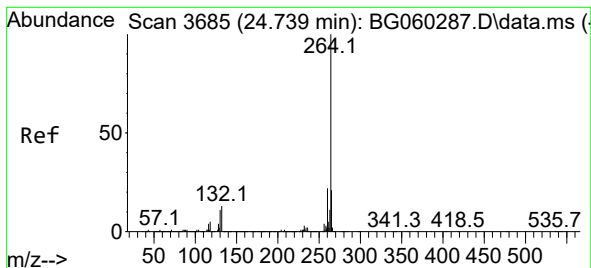
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.2

279 3.6 2.7 4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.736 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

Instrument :

BNA_G

ClientSampleId :

COMP-2

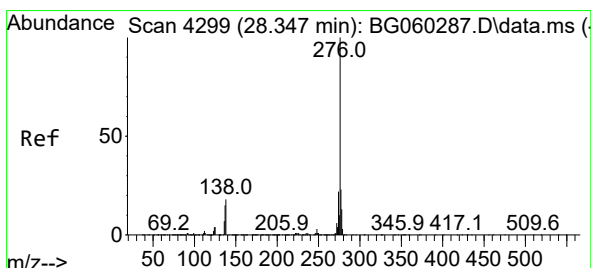
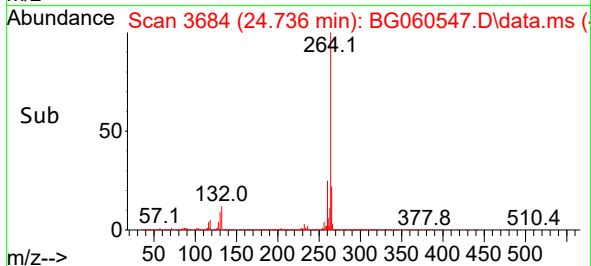
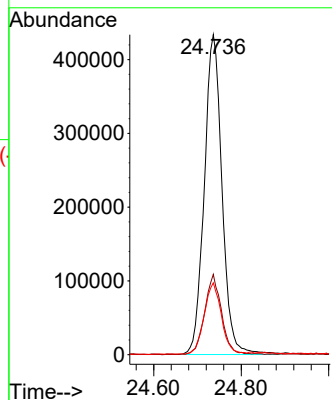
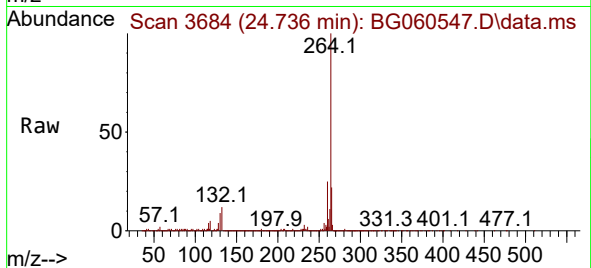
Tgt Ion:264 Resp: 1225182

Ion Ratio Lower Upper

264 100

260 25.1 17.8 26.6

265 22.5 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.052 ng

RT: 28.338 min Scan# 4297

Delta R.T. -0.009 min

Lab File: BG060547.D

Acq: 2 Feb 2024 00:24

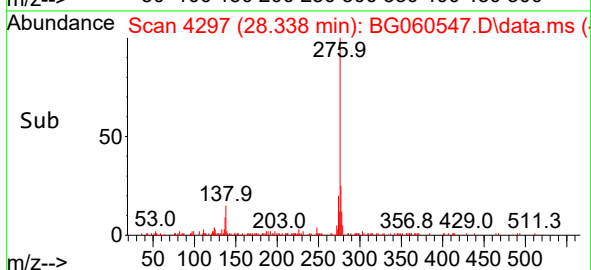
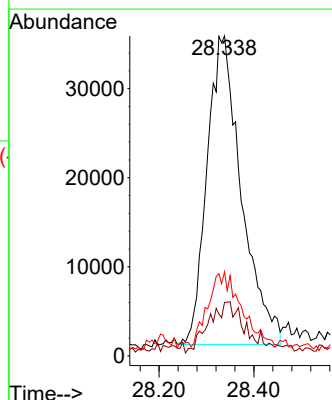
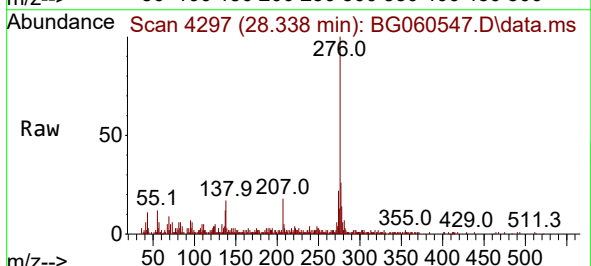
Tgt Ion:276 Resp: 174778

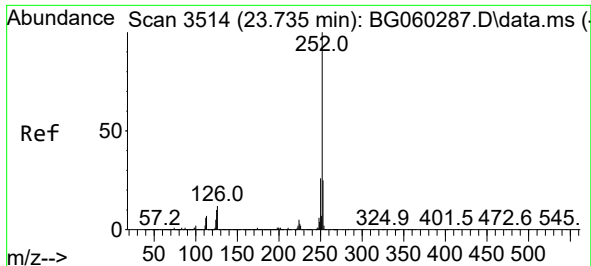
Ion Ratio Lower Upper

276 100

138 13.7 12.5 18.7

277 24.4 20.5 30.7

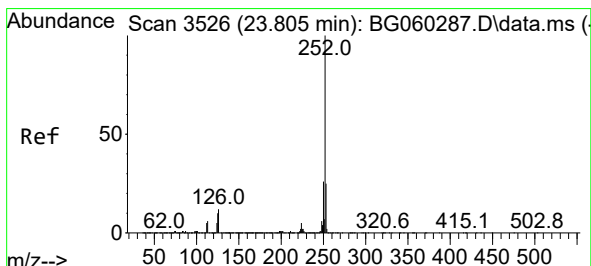
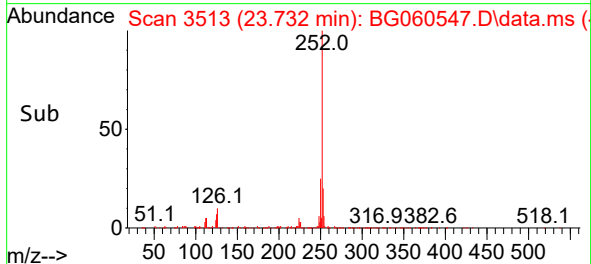
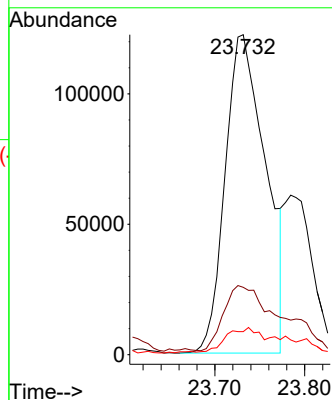
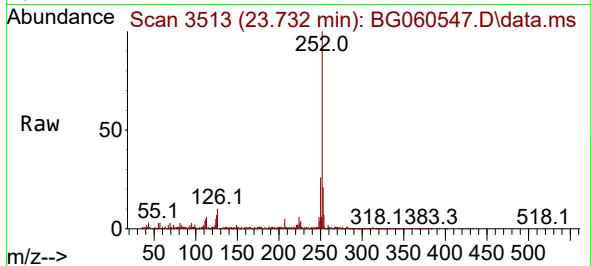




#88
Benzo(b)fluoranthene
Concen: 5.279 ng
RT: 23.732 min Scan# 3513
Delta R.T. -0.003 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

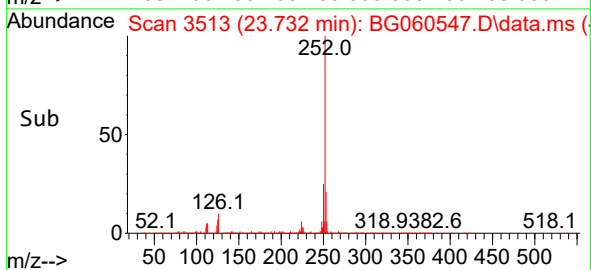
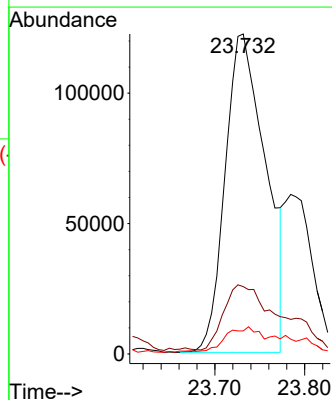
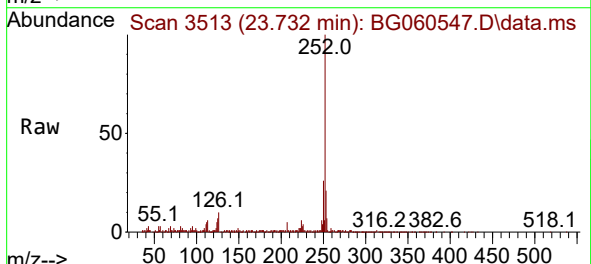
Instrument :
BNA_G
ClientSampleId :
COMP-2

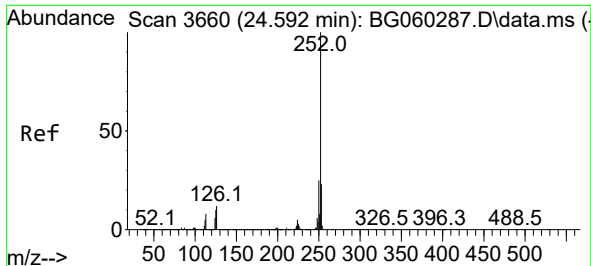
Tgt Ion:252 Resp: 382061
Ion Ratio Lower Upper
252 100
253 21.1 20.0 30.0
125 7.2 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 5.349 ng
RT: 23.732 min Scan# 3513
Delta R.T. -0.074 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:252 Resp: 382061
Ion Ratio Lower Upper
252 100
253 21.1 19.6 29.4
125 7.2 8.2 12.2#

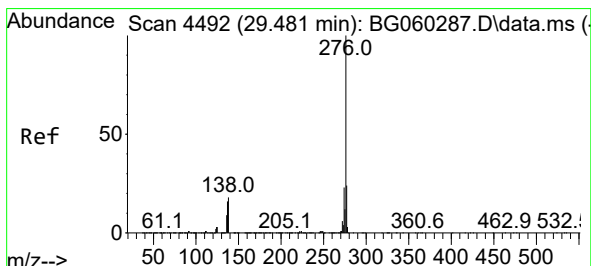
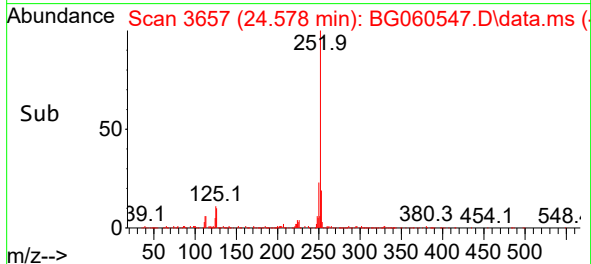
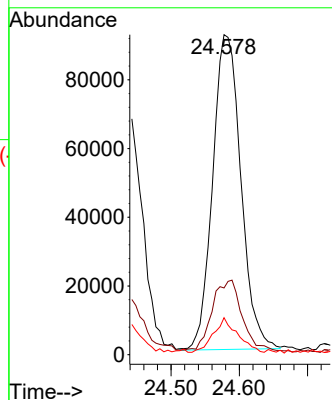
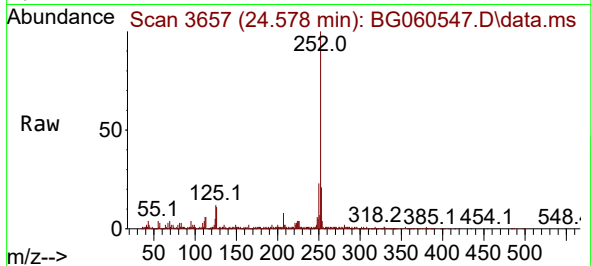




#90
Benzo(a)pyrene
Concen: 4.033 ng
RT: 24.578 min Scan# 30
Delta R.T. -0.015 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 263693
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 11.5 8.1 12.1



#92
Benzo(g,h,i)perylene
Concen: 2.311 ng
RT: 29.460 min Scan# 4488
Delta R.T. -0.021 min
Lab File: BG060547.D
Acq: 2 Feb 2024 00:24

Tgt Ion:276 Resp: 164772
Ion Ratio Lower Upper
276 100
277 22.2 19.4 29.0
138 13.9 14.2 21.4#

