

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020224\
 Data File : BG060546.D
 Acq On : 1 Feb 2024 23:43
 Operator : MA/JU
 Sample : P1316-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Feb 02 00:43:47 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)

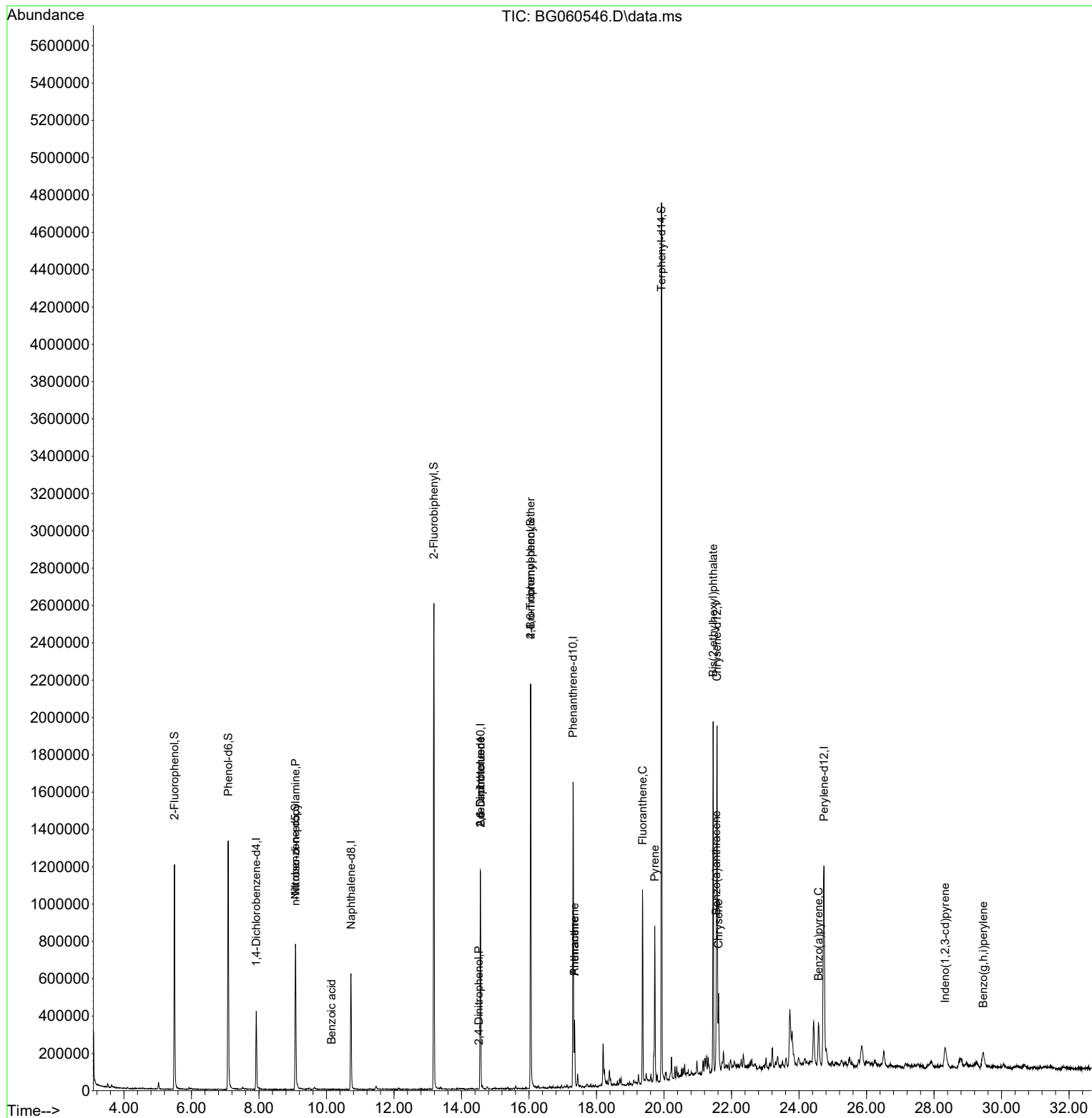
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	138669	20.000	ng	-0.01
21) Naphthalene-d8	10.725	136	577472	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	446895	20.000	ng	0.00
64) Phenanthrene-d10	17.305	188	1110046	20.000	ng	0.00
76) Chrysene-d12	21.571	240	1080658	20.000	ng	0.00
86) Perylene-d12	24.738	264	1198975	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	614659	72.906	ng	0.00
7) Phenol-d6	7.088	99	925436	74.129	ng	0.00
23) Nitrobenzene-d5	9.080	82	557782	45.610	ng	-0.01
42) 2,4,6-Tribromophenol	16.048	330	515623	78.420	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1490237	46.362	ng	0.00
79) Terphenyl-d14	19.926	244	2480883	49.187	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.086	70	68789	7.961	ng	# 77
32) Benzoic acid	10.149	122	69	10.211	ng	# 1
51) 2,6-Dinitrotoluene	14.562	165	58382	8.012	ng	# 32
54) 2,4-Dinitrophenol	14.515	184	55	8.598	ng	# 1
57) 2,4-Dinitrotoluene	14.562	165	58382	5.842	ng	# 25
67) 4-Bromophenyl-phenylether	16.048	248	34002	2.788	ng	# 1
71) Phenanthrene	17.347	178	244286	4.553	ng	# 92
72) Anthracene	17.347	178	244286	4.560	ng	92
75) Fluoranthene	19.362	202	652704	10.128	ng	87
78) Pyrene	19.726	202	550099	7.971	ng	# 84
81) Benzo(a)anthracene	21.547	228	295713	4.420	ng	92
83) Chrysene	21.612	228	302343	4.595	ng	91
84) Bis(2-ethylhexyl)phtha...	21.453	149	810621	22.594	ng	98
87) Indeno(1,2,3-cd)pyrene	28.328	276	204064	2.448	ng	# 84
90) Benzo(a)pyrene	24.579	252	269970	4.219	ng	# 97
92) Benzo(g,h,i)perylene	29.456	276	193730	2.776	ng	96

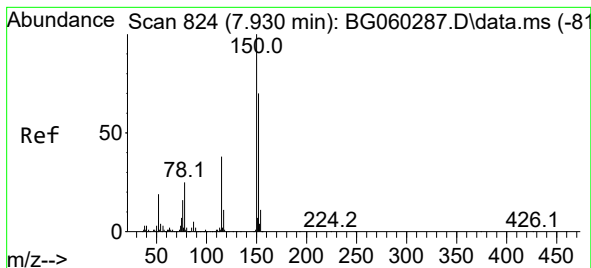
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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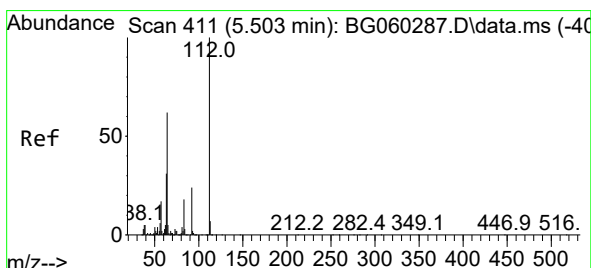
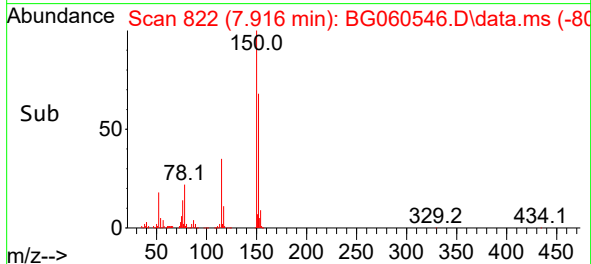
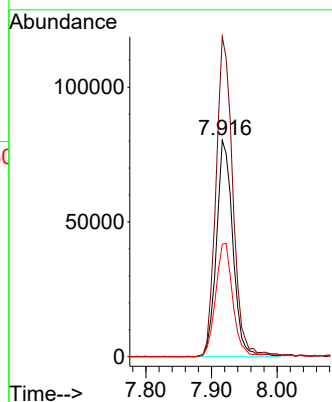
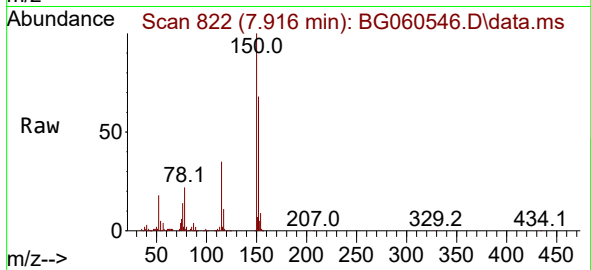




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

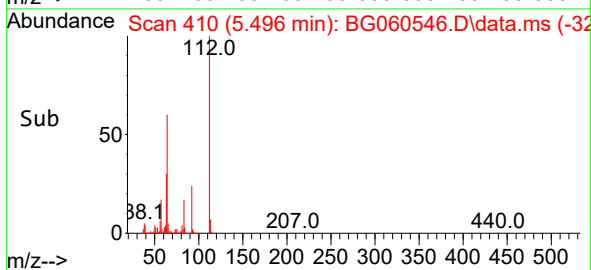
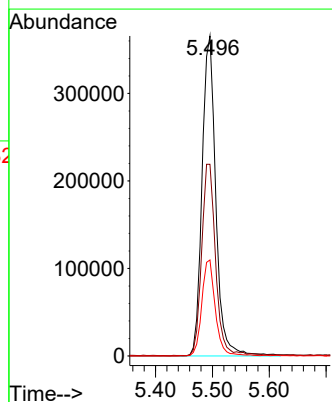
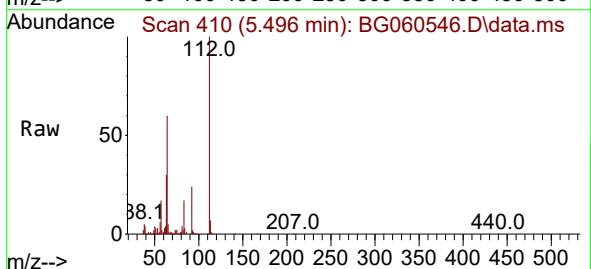
Instrument :
BNA_G
ClientSampleId :
COMP-1

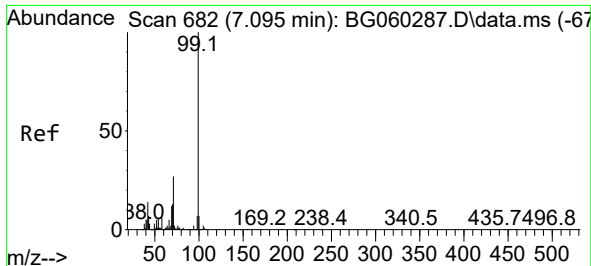
Tgt Ion:152 Resp: 138669
Ion Ratio Lower Upper
152 100
150 147.8 114.5 171.7
115 52.0 43.0 64.6



#5
2-Fluorophenol
Concen: 72.906 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:112 Resp: 614659
Ion Ratio Lower Upper
112 100
64 59.9 49.8 74.6
63 30.0 24.4 36.6

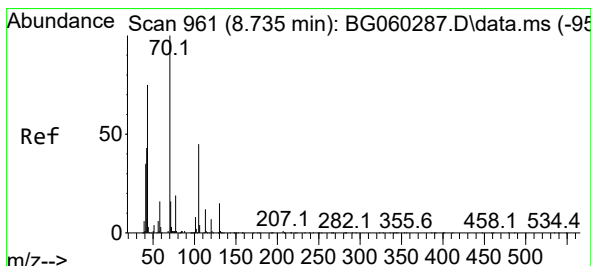
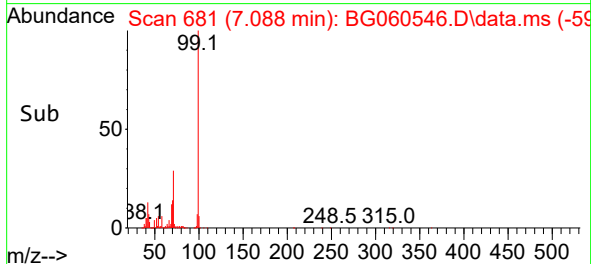
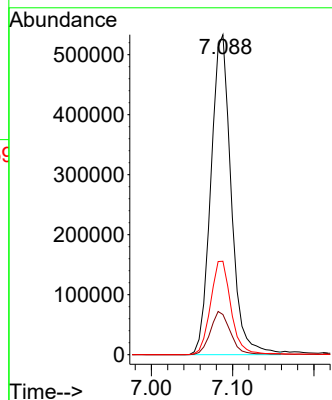
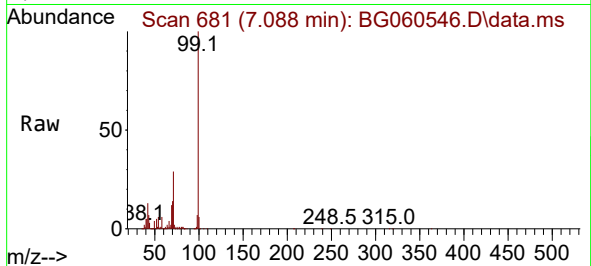




#7
Phenol-d6
Concen: 74.129 ng
RT: 7.088 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

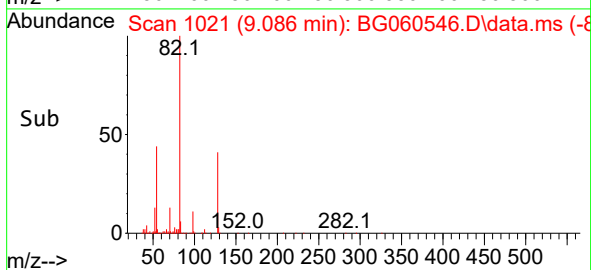
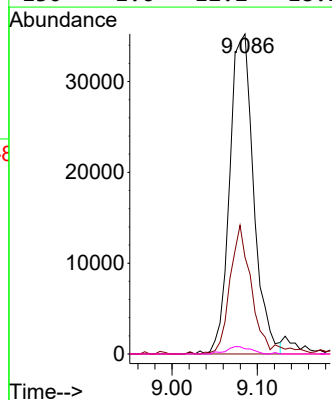
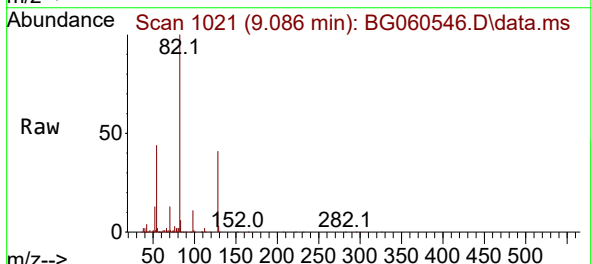
Instrument :
BNA_G
ClientSampleId :
COMP-1

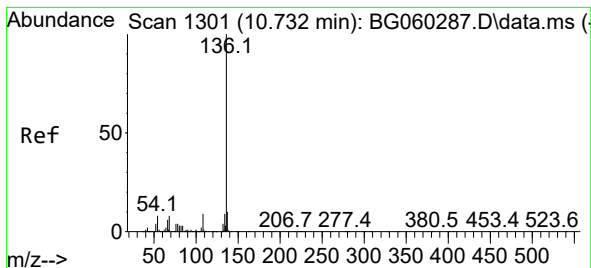
Tgt Ion: 99 Resp: 925436
Ion Ratio Lower Upper
99 100
42 12.6 10.9 16.3
71 29.2 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.961 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.351 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion: 70 Resp: 68789
Ion Ratio Lower Upper
70 100
42 30.2 34.3 51.5#
101 0.0 6.2 9.2#
130 1.6 12.2 18.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.725 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

Tgt Ion:136 Resp: 577472

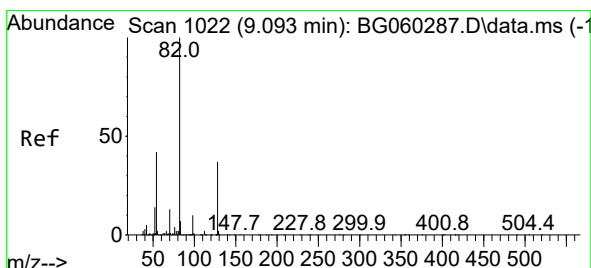
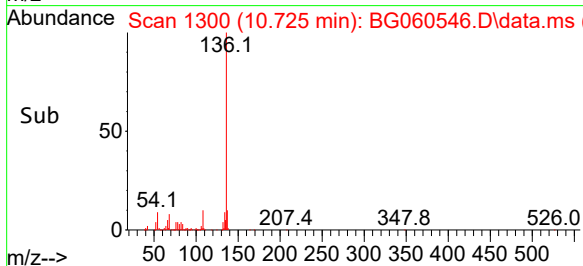
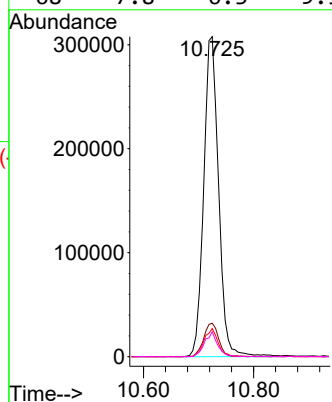
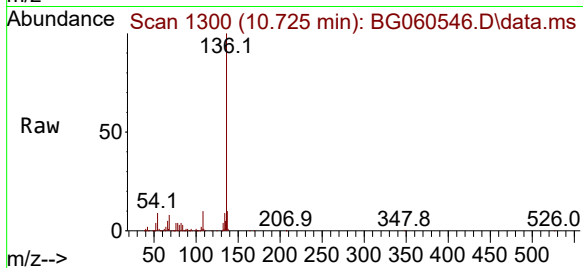
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

54 8.8 6.2 9.2

68 7.8 6.3 9.5



#23

Nitrobenzene-d5

Concen: 45.610 ng

RT: 9.080 min Scan# 1020

Delta R.T. -0.013 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

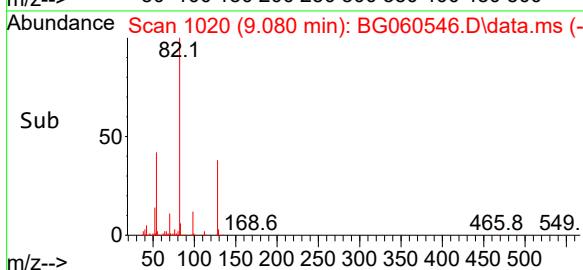
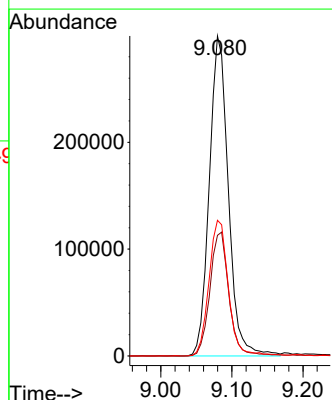
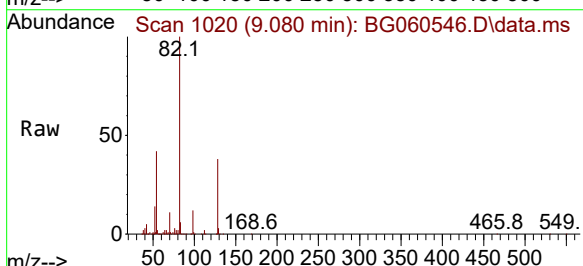
Tgt Ion: 82 Resp: 557782

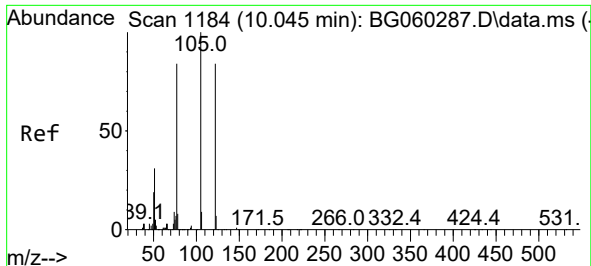
Ion Ratio Lower Upper

82 100

128 37.7 29.6 44.4

54 42.4 33.6 50.4

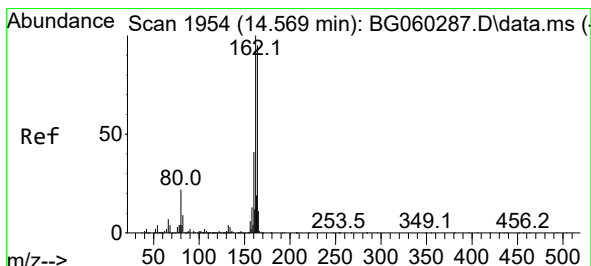
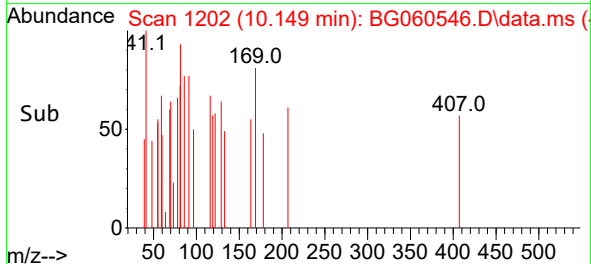
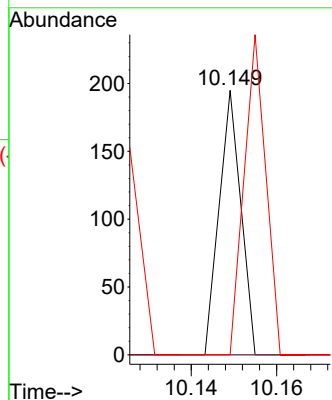
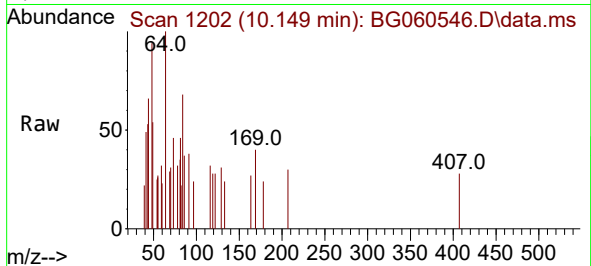




#32
Benzoic acid
Concen: 10.211 ng
RT: 10.149 min Scan# 1184
Delta R.T. 0.104 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

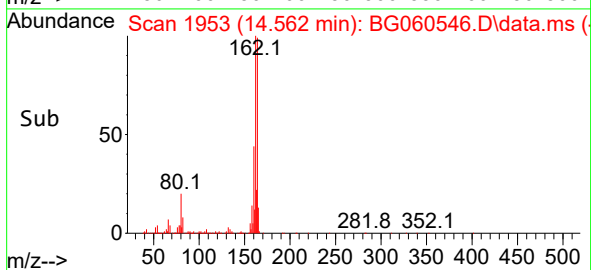
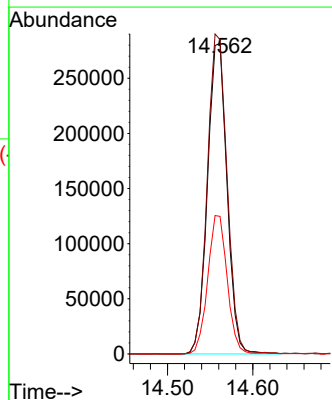
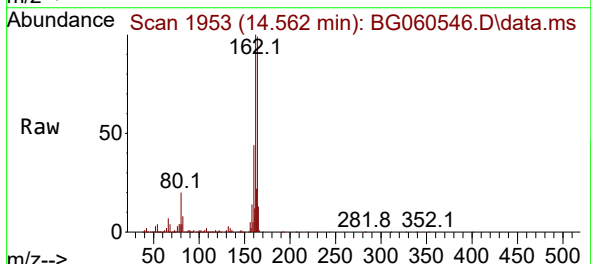
Instrument :
BNA_G
ClientSampleId :
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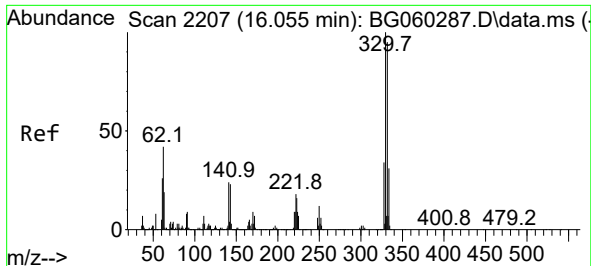
Tgt Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:164 Resp: 446895
Ion Ratio Lower Upper
164 100
162 101.1 84.4 126.6
160 44.3 34.6 52.0

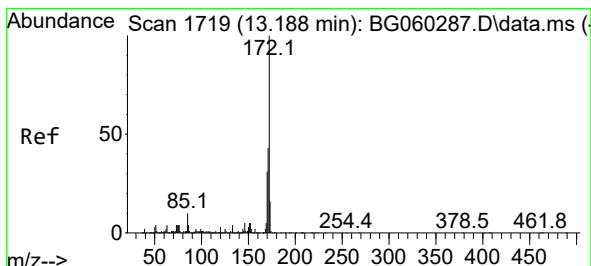
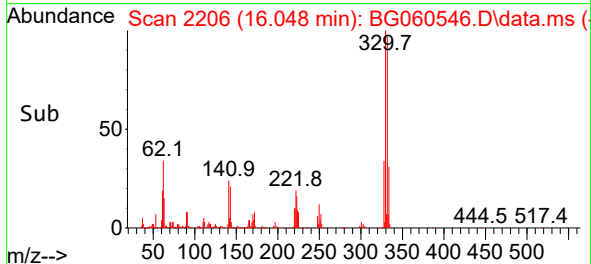
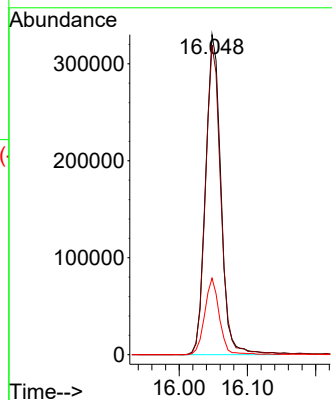
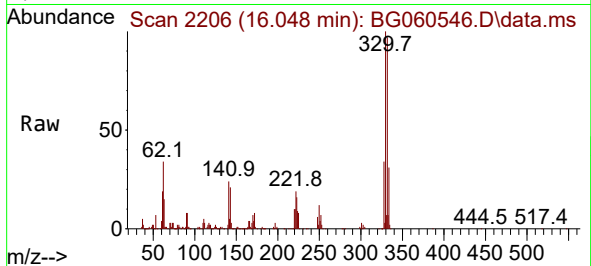




#42
2,4,6-Tribromophenol
Concen: 78.420 ng
RT: 16.048 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

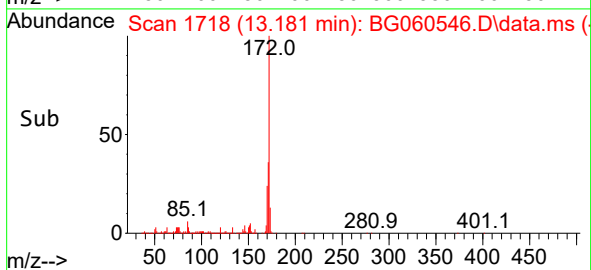
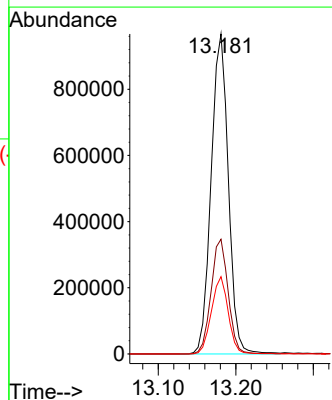
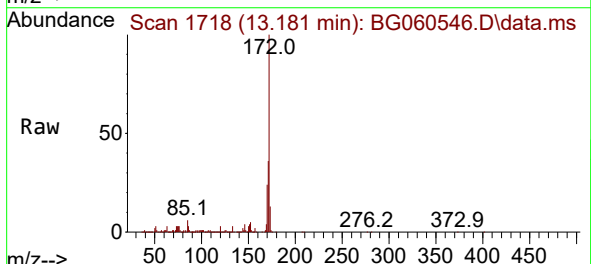
Instrument :
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ClientSampleId :
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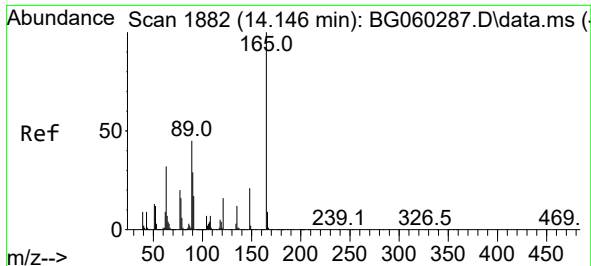
Tgt Ion:330 Resp: 515623
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 22.8 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 46.362 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:172 Resp: 1490237
Ion Ratio Lower Upper
172 100
171 35.8 34.6 51.8
170 24.1 24.4 36.6#

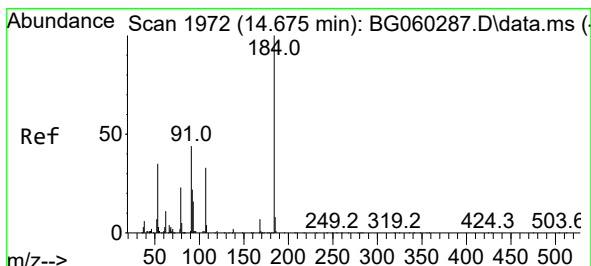
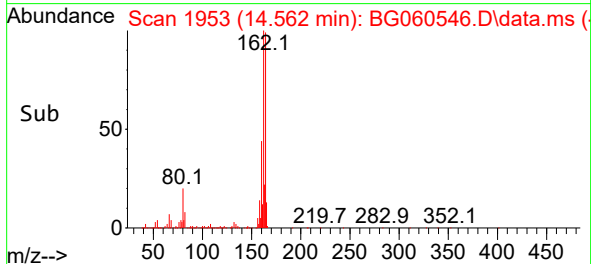
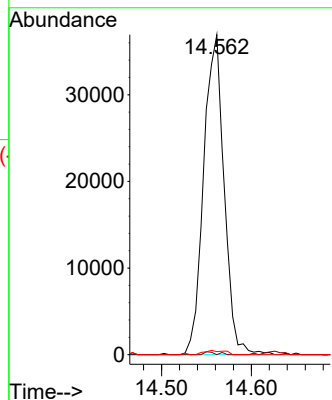
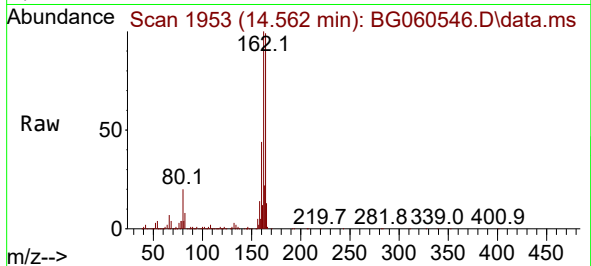




#51
2,6-Dinitrotoluene
Concen: 8.012 ng
RT: 14.562 min Scan# 1945
Delta R.T. 0.416 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

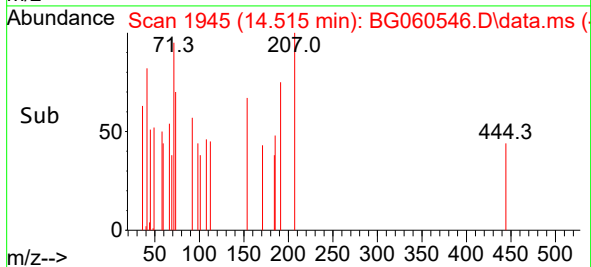
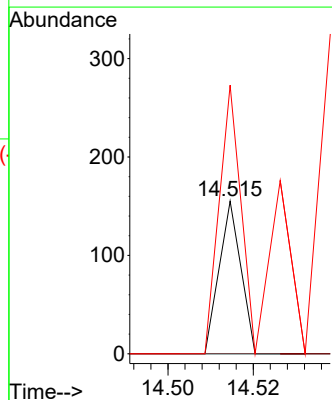
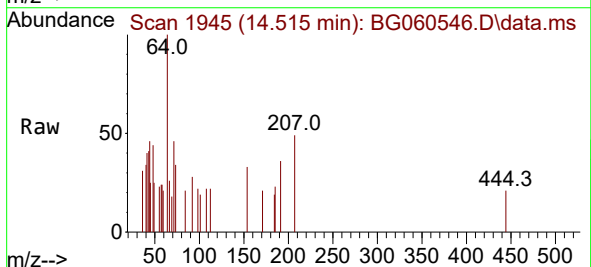
Instrument :
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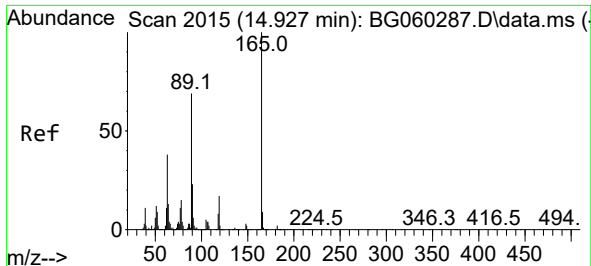
Tgt Ion:165 Resp: 58382
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.4#
89 0.9 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.598 ng
RT: 14.515 min Scan# 1945
Delta R.T. -0.160 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

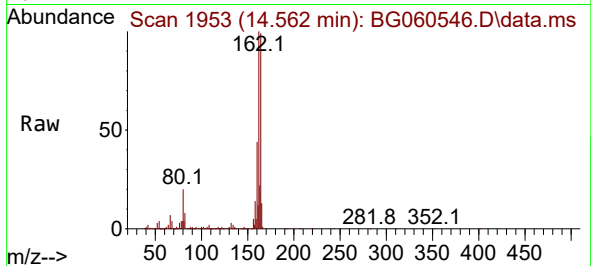
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 41.0 61.4#
154 176.1 39.2 58.8#



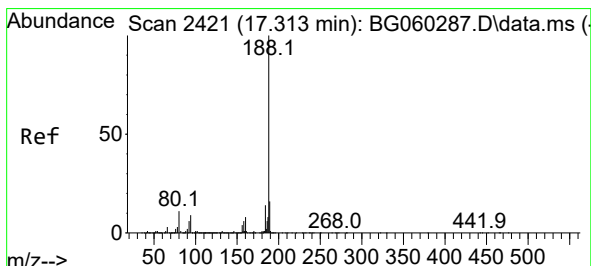
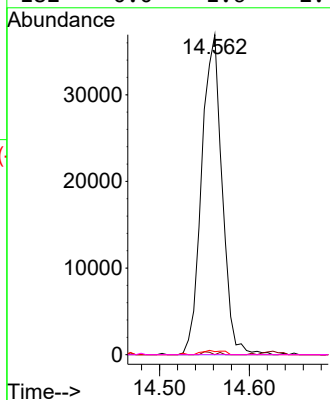
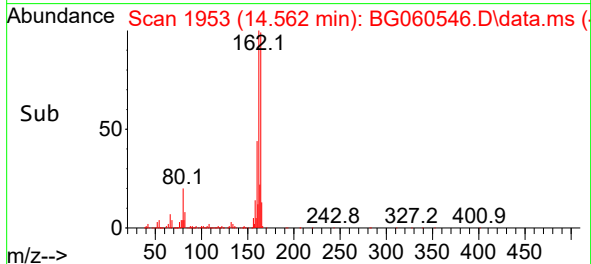


#57
2,4-Dinitrotoluene
Concen: 5.842 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.366 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Instrument :
BNA_G
ClientSampleId :
COMP-1

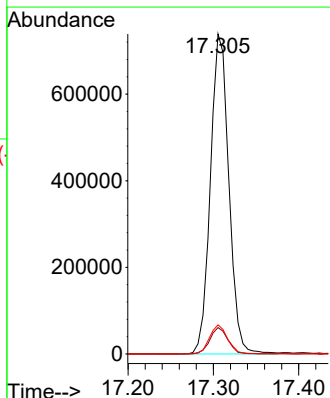
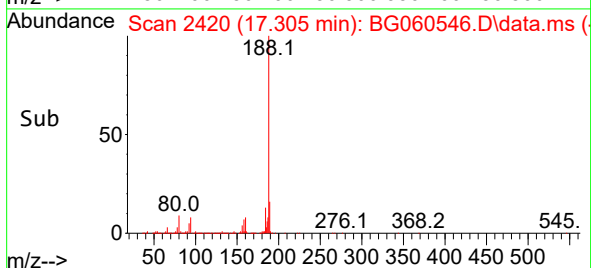
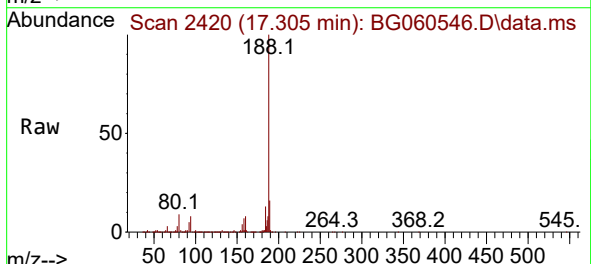


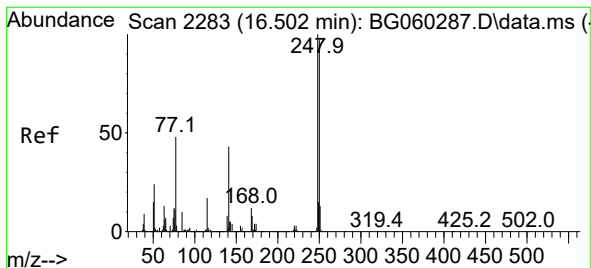
Tgt Ion:165 Resp: 58382
Ion Ratio Lower Upper
165 100
63 0.0 30.4 45.6#
89 0.9 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.305 min Scan# 2420
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:188 Resp: 1110046
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 9.1 8.5 12.7

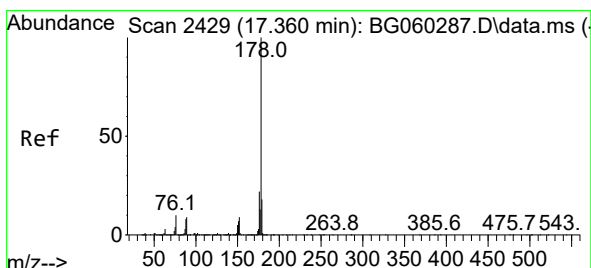
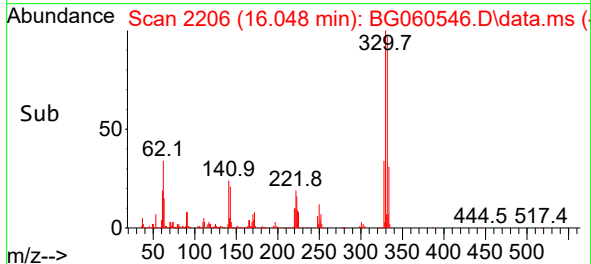
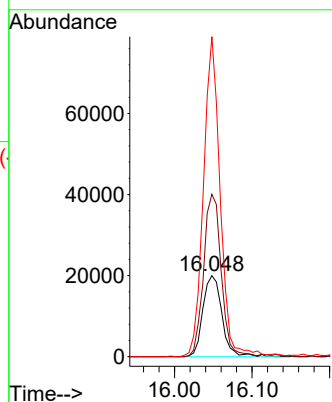
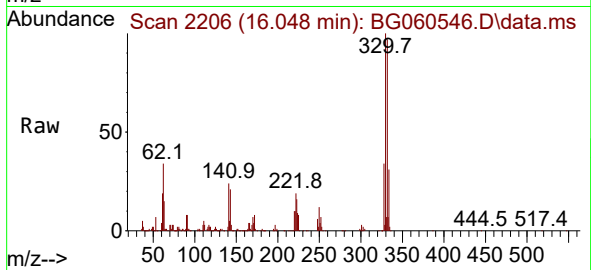




#67
4-Bromophenyl-phenylether
Concen: 2.788 ng
RT: 16.048 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

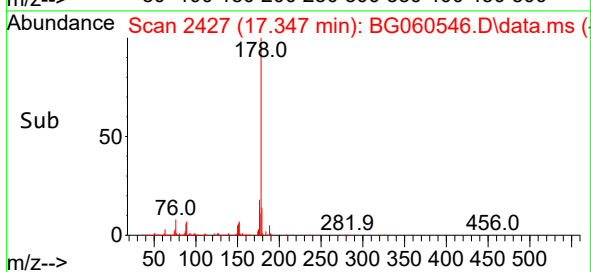
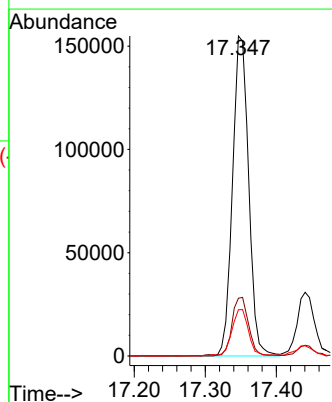
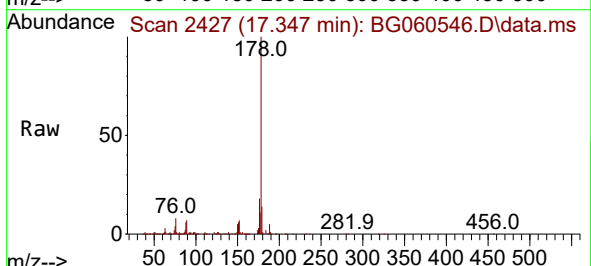
Instrument :
BNA_G
ClientSampleId :
COMP-1

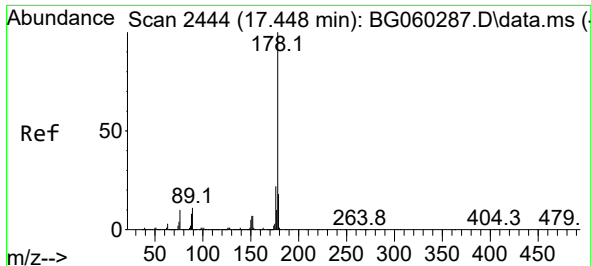
Tgt Ion:248 Resp: 34002
Ion Ratio Lower Upper
248 100
250 200.5 77.6 116.4#
141 395.2 34.2 51.4#



#71
Phenanthrene
Concen: 4.553 ng
RT: 17.347 min Scan# 2427
Delta R.T. -0.013 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:178 Resp: 244286
Ion Ratio Lower Upper
178 100
176 18.1 17.4 26.2
179 14.5 14.7 22.1#

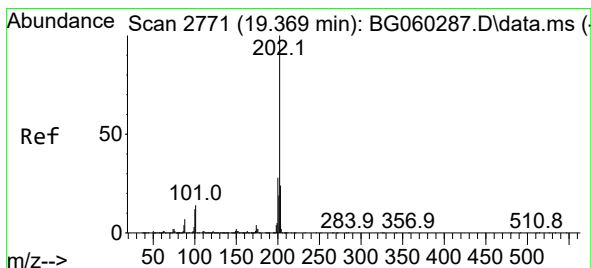
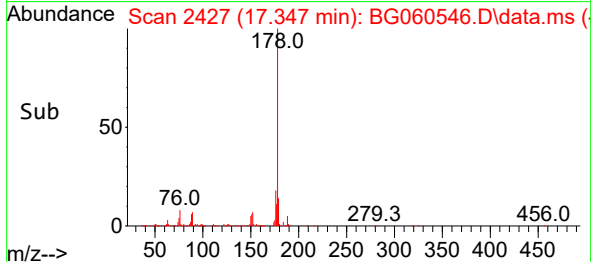
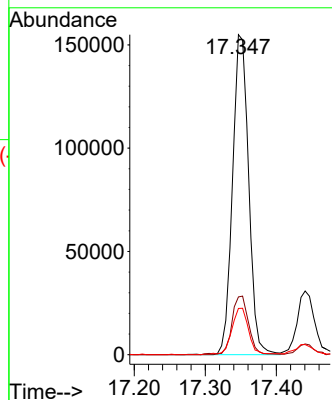
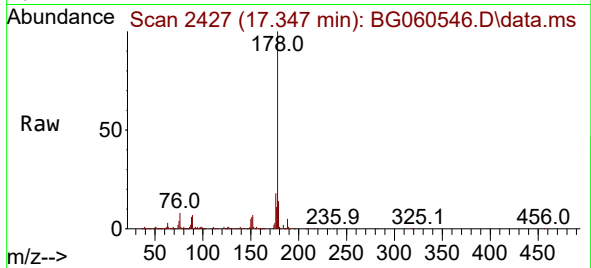




#72
 Anthracene
 Concen: 4.560 ng
 RT: 17.347 min Scan# 2444
 Delta R.T. -0.101 min
 Lab File: BG060546.D
 Acq: 1 Feb 2024 23:43

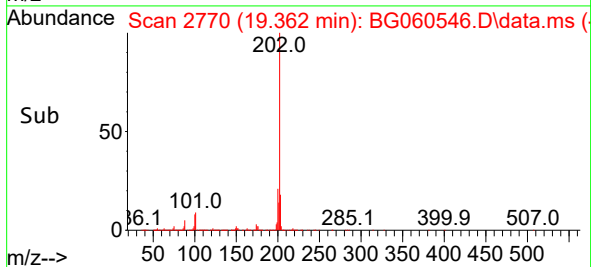
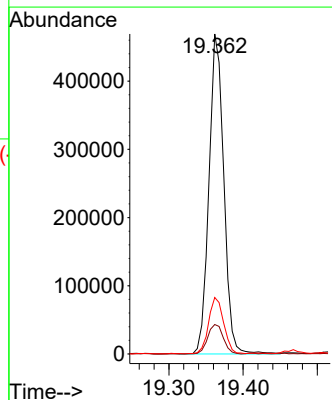
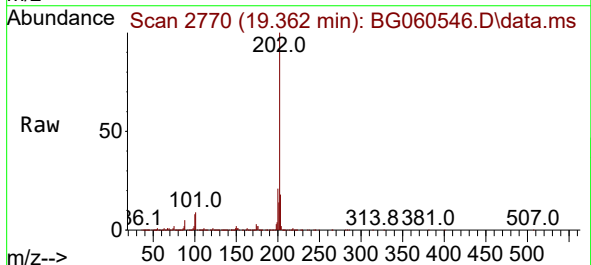
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

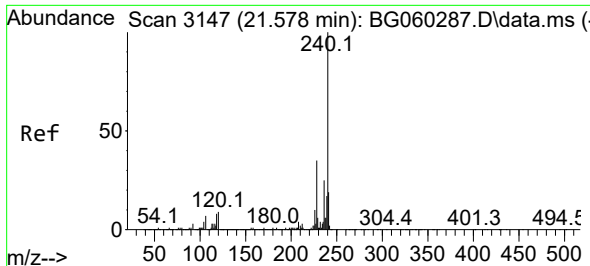
Tgt Ion:178 Resp: 244286
 Ion Ratio Lower Upper
 178 100
 176 18.1 17.8 26.6
 179 14.5 14.1 21.1



#75
 Fluoranthene
 Concen: 10.128 ng
 RT: 19.362 min Scan# 2770
 Delta R.T. -0.007 min
 Lab File: BG060546.D
 Acq: 1 Feb 2024 23:43

Tgt Ion:202 Resp: 652704
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 34.4
 203 17.7 4.0 44.0

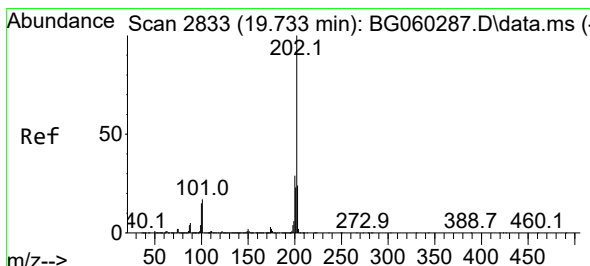
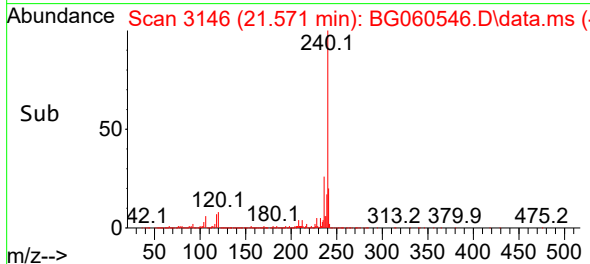
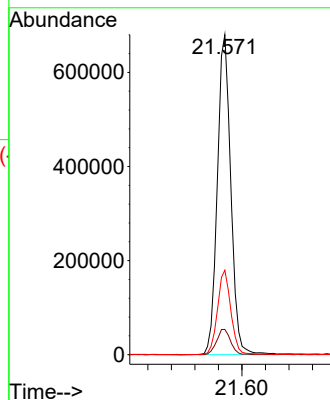
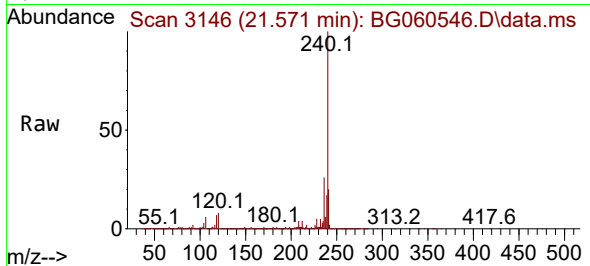




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3147
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

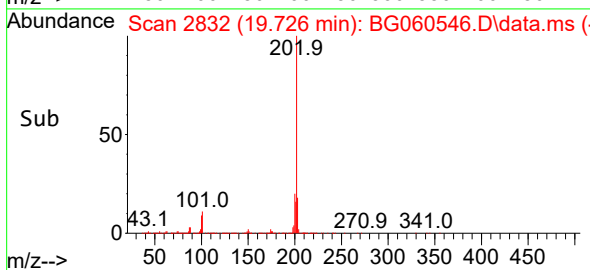
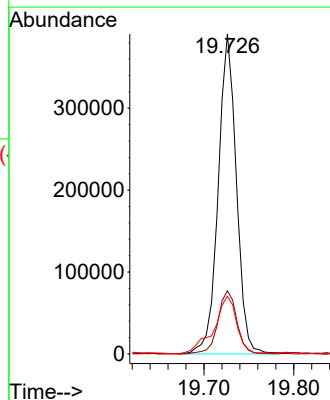
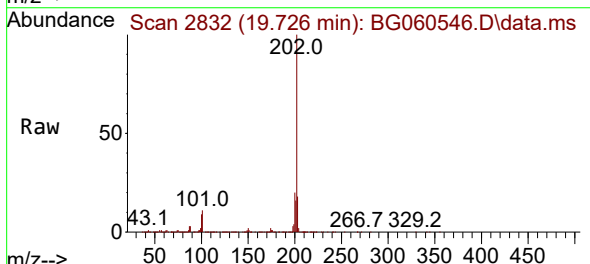
Instrument :
BNA_G
ClientSampleId :
COMP-1

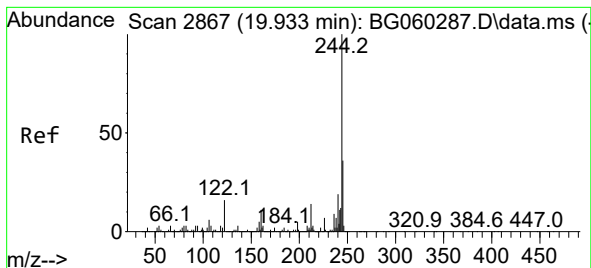
Tgt Ion:240 Resp: 1080658
Ion Ratio Lower Upper
240 100
120 7.9 7.3 10.9
236 26.4 20.3 30.5



#78
Pyrene
Concen: 7.971 ng
RT: 19.726 min Scan# 2832
Delta R.T. -0.007 min
Lab File: BG060546.D
Acq: 1 Feb 2024 23:43

Tgt Ion:202 Resp: 550099
Ion Ratio Lower Upper
202 100
200 19.7 23.5 35.3#
203 18.0 19.6 29.4#





#79

Terphenyl-d14

Concen: 49.187 ng

RT: 19.926 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

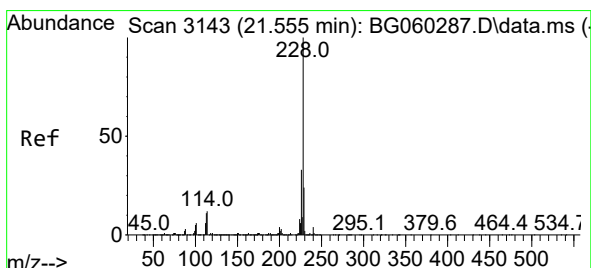
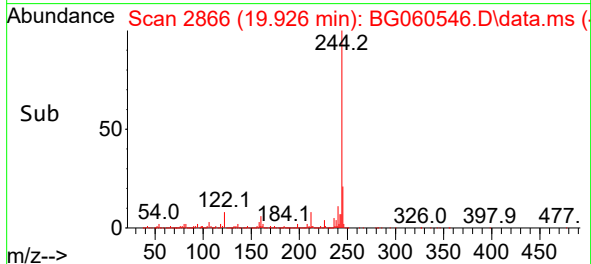
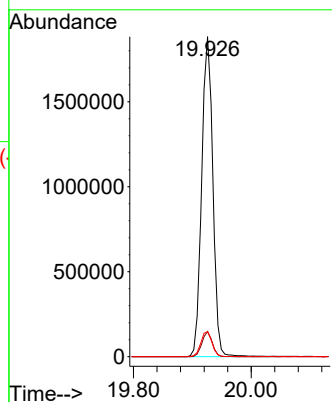
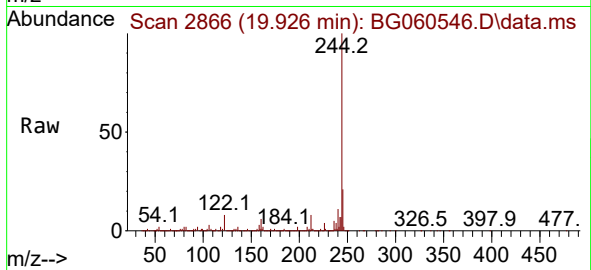
Tgt Ion:244 Resp: 2480883

Ion Ratio Lower Upper

244 100

212 7.9 10.9 16.3#

122 7.9 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 4.420 ng

RT: 21.547 min Scan# 3142

Delta R.T. -0.007 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

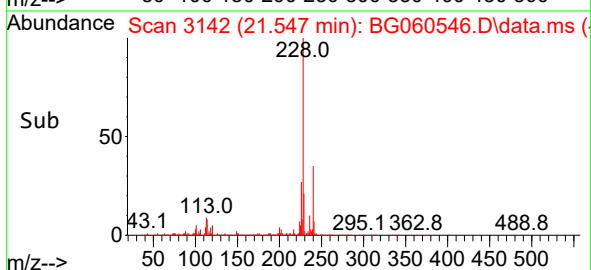
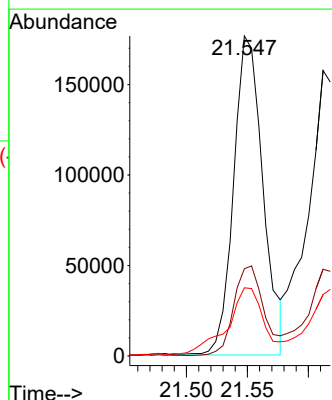
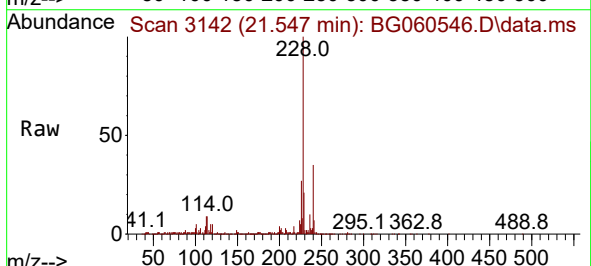
Tgt Ion:228 Resp: 295713

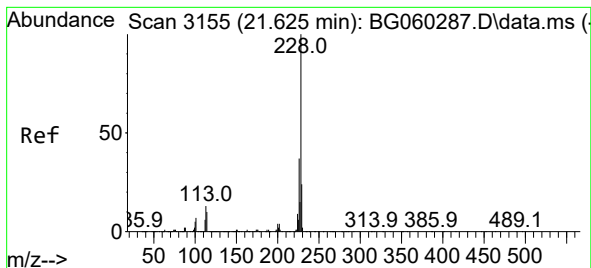
Ion Ratio Lower Upper

228 100

226 27.3 26.2 39.2

229 21.3 19.4 29.2





#83

Chrysene

Concen: 4.595 ng

RT: 21.612 min Scan# 3153

Delta R.T. -0.013 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

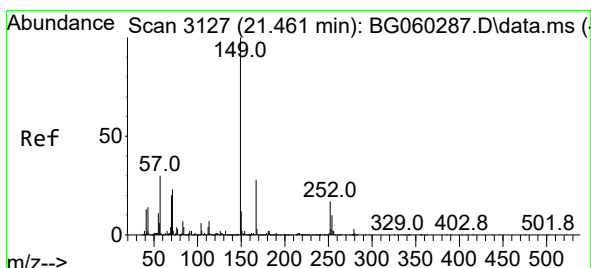
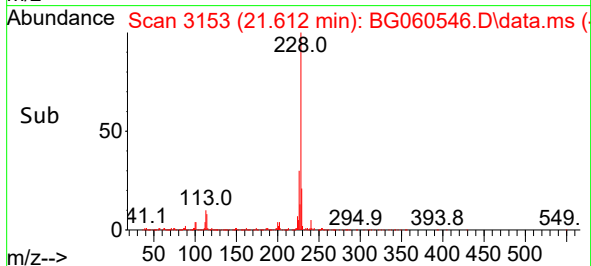
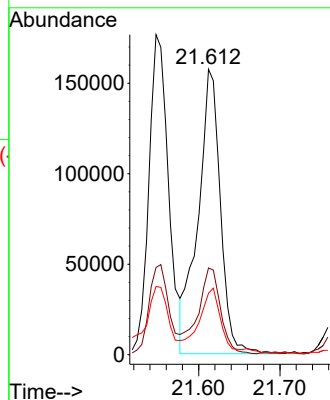
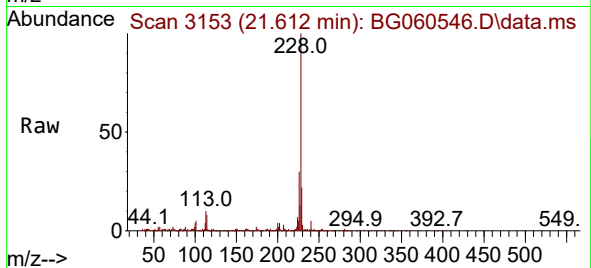
Tgt Ion:228 Resp: 302343

Ion Ratio Lower Upper

228 100

226 30.4 29.4 44.2

229 21.5 19.2 28.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.594 ng

RT: 21.453 min Scan# 3126

Delta R.T. -0.007 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

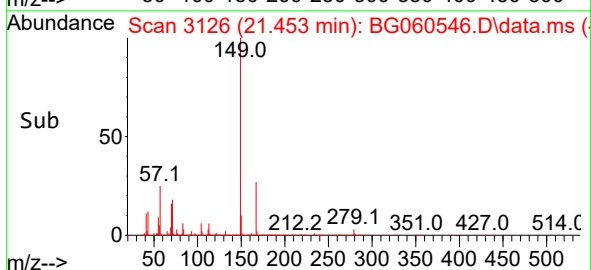
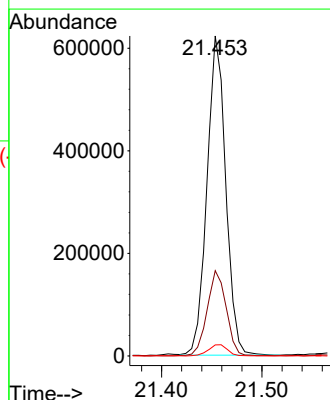
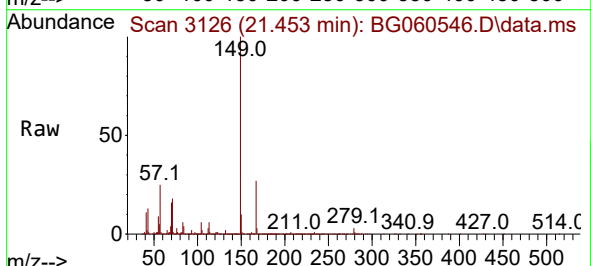
Tgt Ion:149 Resp: 810621

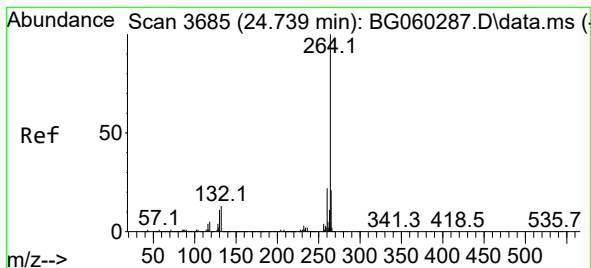
Ion Ratio Lower Upper

149 100

167 26.7 22.2 33.2

279 3.4 2.7 4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.738 min Scan# 3

Delta R.T. -0.001 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

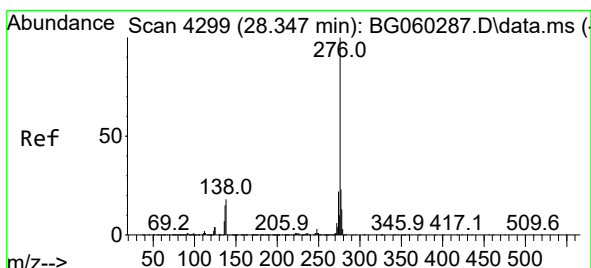
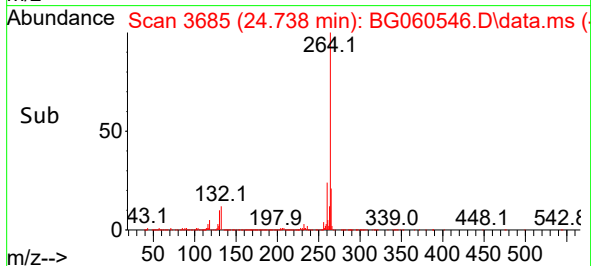
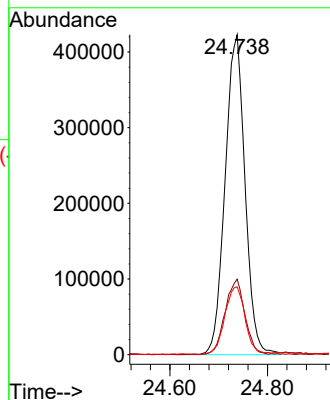
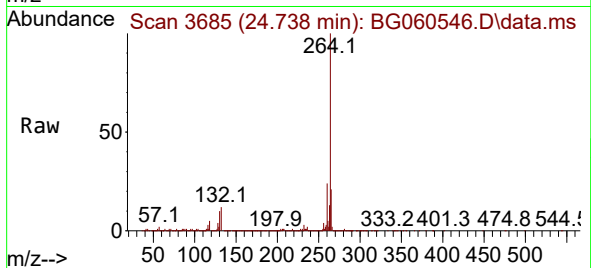
Tgt Ion:264 Resp: 1198975

Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.6

265 21.2 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.448 ng

RT: 28.328 min Scan# 4296

Delta R.T. -0.019 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

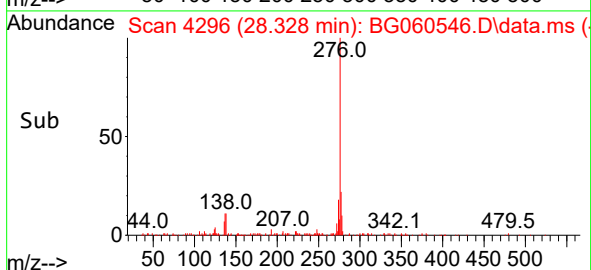
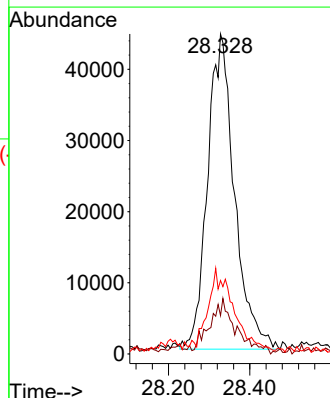
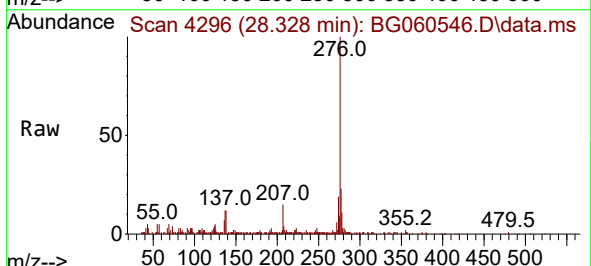
Tgt Ion:276 Resp: 204064

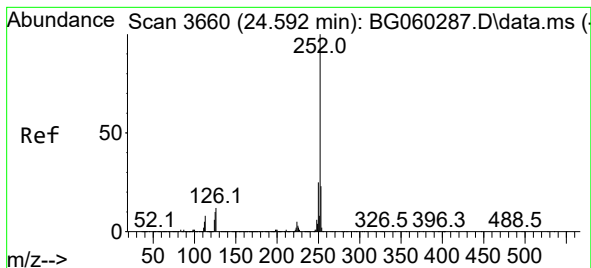
Ion Ratio Lower Upper

276 100

138 17.3 12.5 18.7

277 13.8 20.5 30.7#





#90

Benzo(a)pyrene

Concen: 4.219 ng

RT: 24.579 min Scan# 3

Delta R.T. -0.013 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

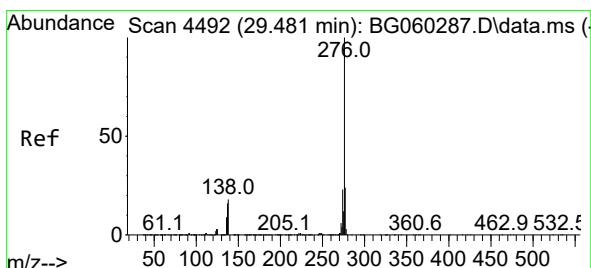
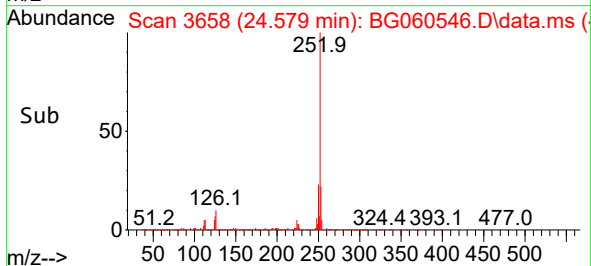
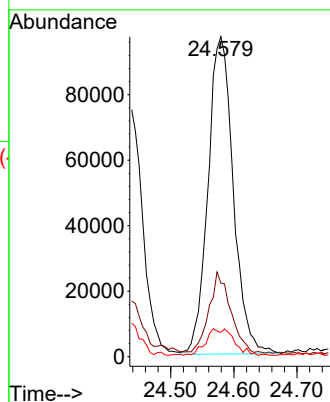
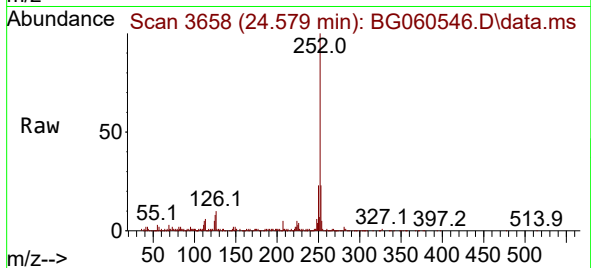
Tgt Ion:252 Resp: 269970

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 7.6 8.1 12.1#



#92

Benzo(g,h,i)perylene

Concen: 2.776 ng

RT: 29.456 min Scan# 4488

Delta R.T. -0.025 min

Lab File: BG060546.D

Acq: 1 Feb 2024 23:43

Tgt Ion:276 Resp: 193730

Ion Ratio Lower Upper

276 100

277 21.8 19.4 29.0

138 18.6 14.2 21.4

