

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032024\
 Data File : BG060691.D
 Acq On : 20 Mar 2024 14:35
 Operator : MA/JU
 Sample : P1803-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TRENCH-PIT

Quant Time: Mar 20 15:14:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

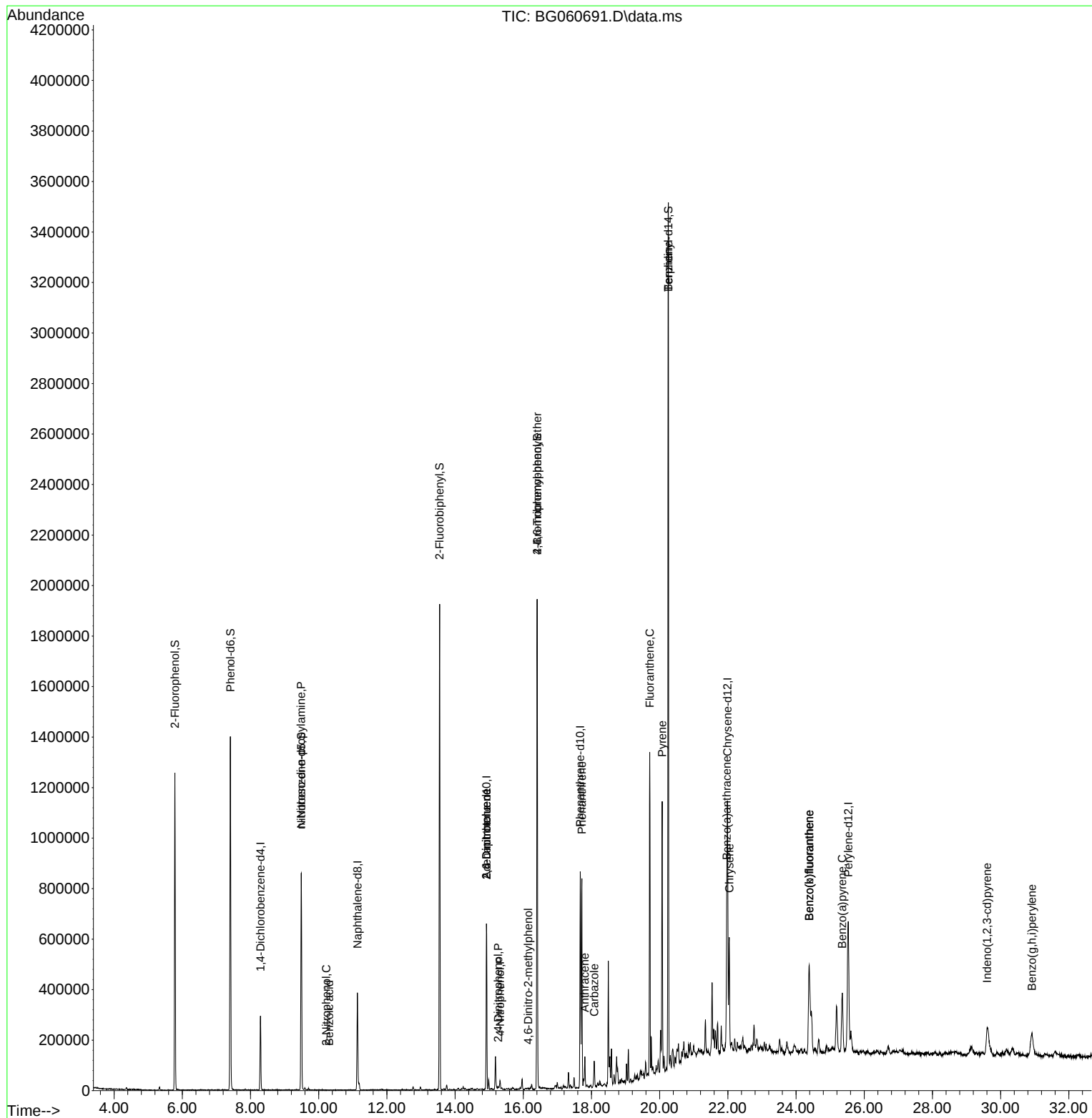
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	79254	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	318470	20.000	ng	0.00
39) Acenaphthene-d10	14.921	164	225538	20.000	ng	0.00
64) Phenanthrene-d10	17.671	188	546224	20.000	ng	0.00
76) Chrysene-d12	21.989	240	537638	20.000	ng	0.00
86) Perylene-d12	25.532	264	643525	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	518094	102.763	ng	0.00
7) Phenol-d6	7.412	99	807331	110.390	ng	0.00
23) Nitrobenzene-d5	9.492	82	517556	84.578	ng	0.00
42) 2,4,6-Tribromophenol	16.407	330	364448	139.447	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	989188	59.299	ng	0.00
79) Terphenyl-d14	20.256	244	1751634	58.890	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.486	70	64970	12.816	ng	# 77
26) 2-Nitrophenol	10.221	139	65	2.261	ng	# 23
32) Benzoic acid	10.309	122	60	6.035	ng	# 1
51) 2,6-Dinitrotoluene	14.921	165	28969	9.295	ng	# 18
54) 2,4-Dinitrophenol	15.262	184	54	6.875	ng	# 1
56) 4-Nitrophenol	15.320	139	9068	3.386	ng	# 1
57) 2,4-Dinitrotoluene	14.921	165	28969	7.388	ng	# 16
65) 4,6-Dinitro-2-methylph...	16.143	198	80	4.844	ng	# 47
67) 4-Bromophenyl-phenylether	16.407	248	24413	4.145	ng	# 1
71) Phenanthrene	17.718	178	503478	17.111	ng	98
72) Anthracene	17.806	178	71702	2.410	ng	99
73) Carbazole	18.082	167	62564	2.419	ng	99
75) Fluoranthene	19.709	202	809266	24.864	ng	97
77) Benzidine	20.256	184	27308	2.077	ng	95
78) Pyrene	20.074	202	665753	17.744	ng	98
81) Benzo(a)anthracene	21.966	228	329602	8.904	ng	100
83) Chrysene	22.042	228	331293	9.217	ng	95
87) Indeno(1,2,3-cd)pyrene	29.604	276	222774	5.075	ng	94
88) Benzo(b)fluoranthene	24.386	252	414969	11.721	ng	97
89) Benzo(k)fluoranthene	24.386	252	414969	11.157	ng	96
90) Benzo(a)pyrene	25.356	252	285141	8.215	ng	97
92) Benzo(g,h,i)perylene	30.920	276	213475	5.917	ng	97

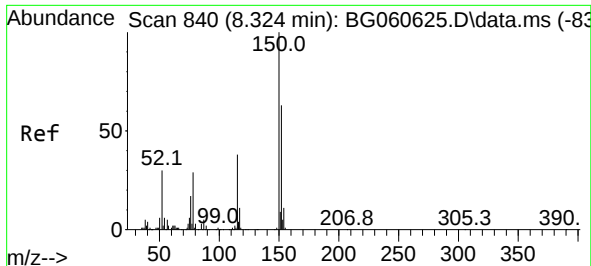
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032024\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 18 14:26:31 2024
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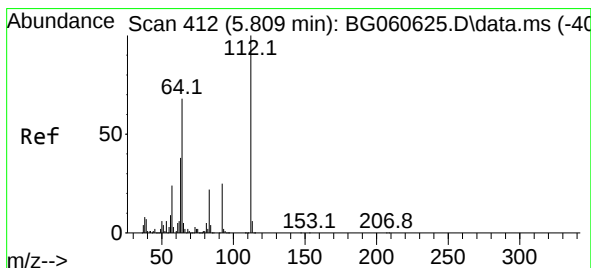
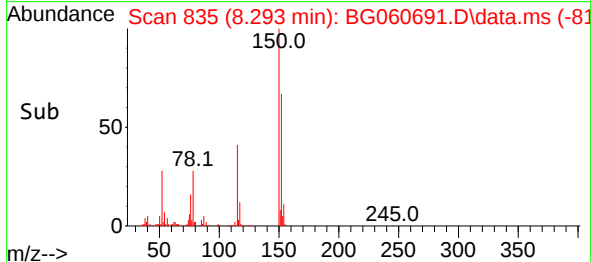
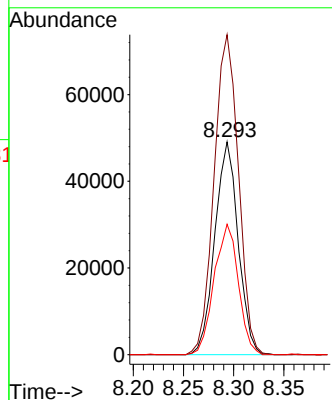
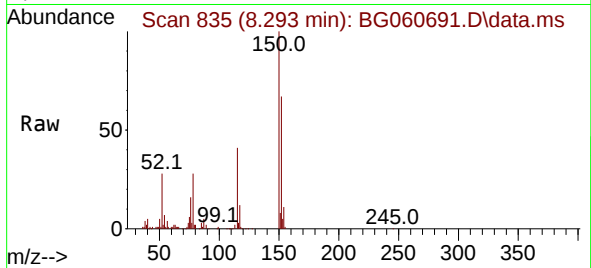




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.293 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

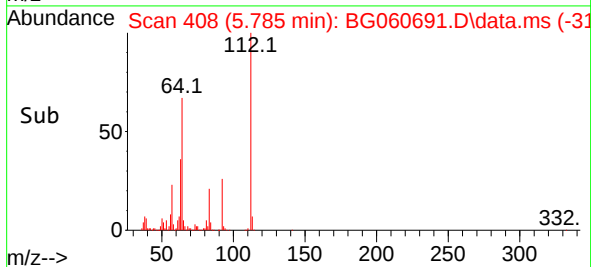
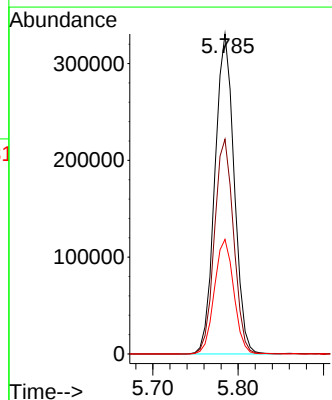
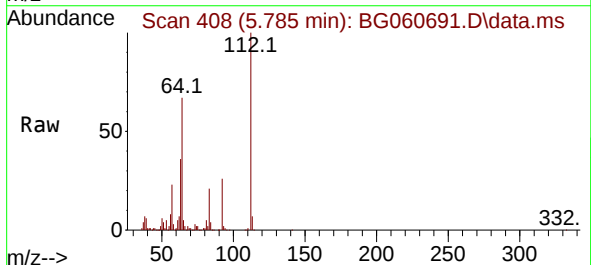
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

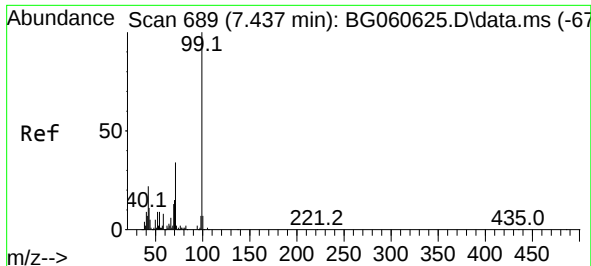
Tgt Ion:152 Resp: 79254
Ion Ratio Lower Upper
152 100
150 150.3 126.6 190.0
115 61.2 47.8 71.8



#5
2-Fluorophenol
Concen: 102.763 ng
RT: 5.785 min Scan# 408
Delta R.T. 0.005 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:112 Resp: 518094
Ion Ratio Lower Upper
112 100
64 67.1 54.1 81.1
63 35.8 30.3 45.5

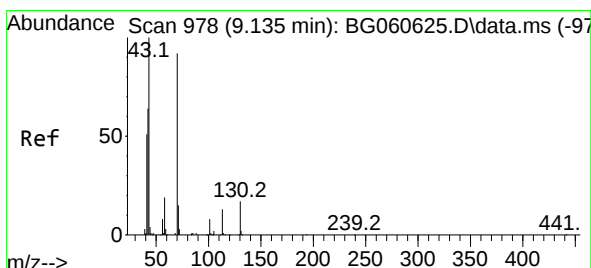
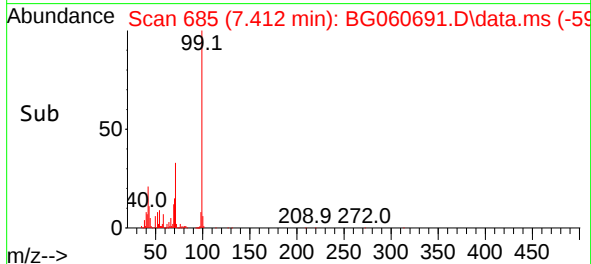
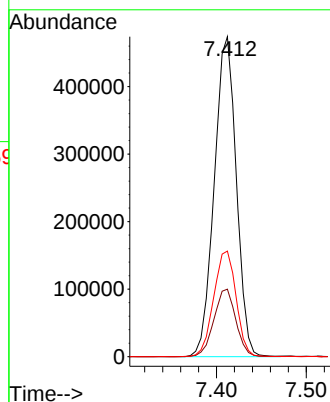
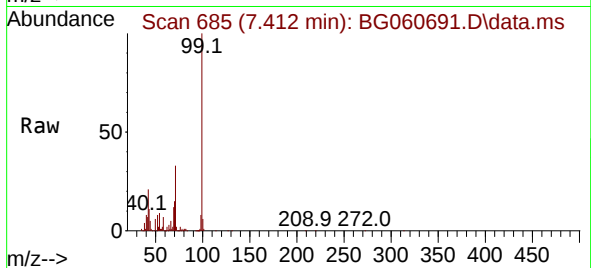




#7
Phenol-d6
Concen: 110.390 ng
RT: 7.412 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

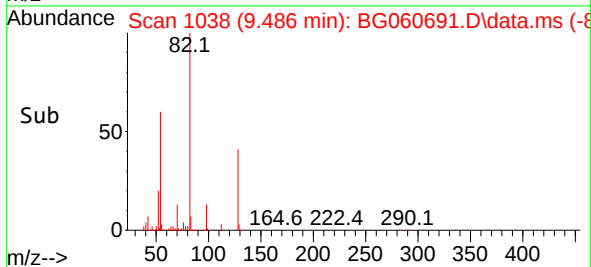
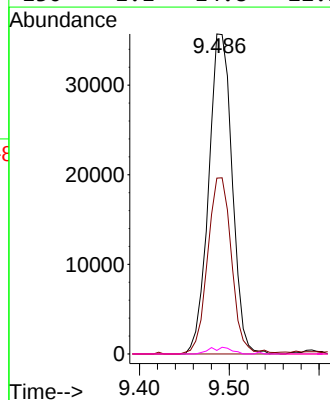
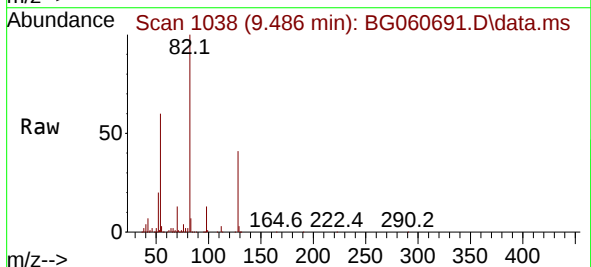
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

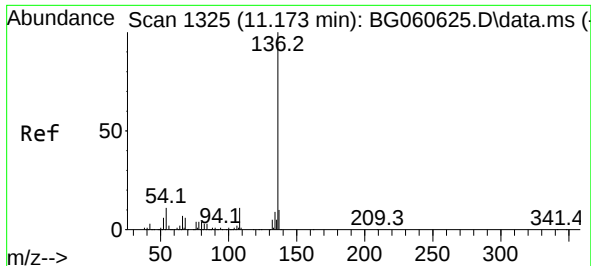
Tgt Ion: 99 Resp: 807331
Ion Ratio Lower Upper
99 100
42 21.1 17.5 26.3
71 33.0 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.816 ng
RT: 9.486 min Scan# 1038
Delta R.T. 0.387 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion: 70 Resp: 64970
Ion Ratio Lower Upper
70 100
42 54.9 56.2 84.2#
101 0.0 7.4 11.0#
130 1.1 14.8 22.2#

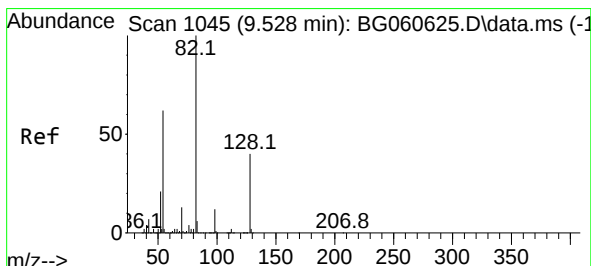
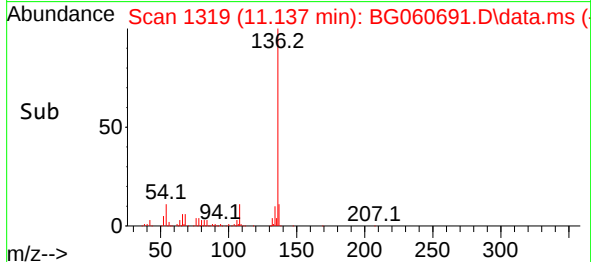
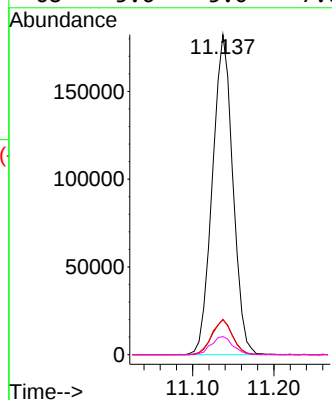
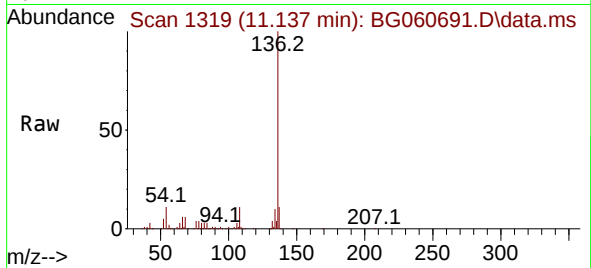




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 111
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

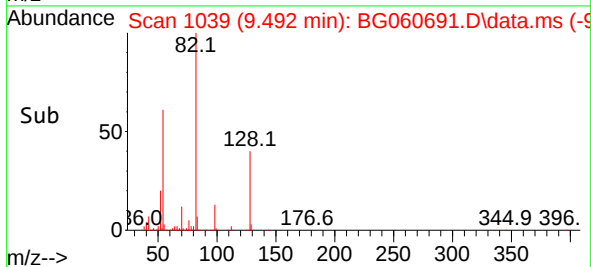
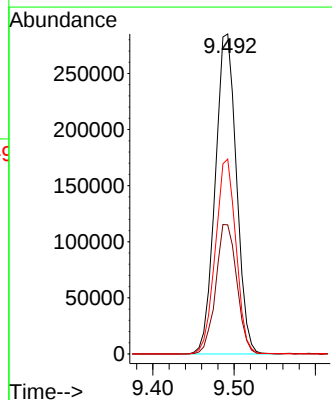
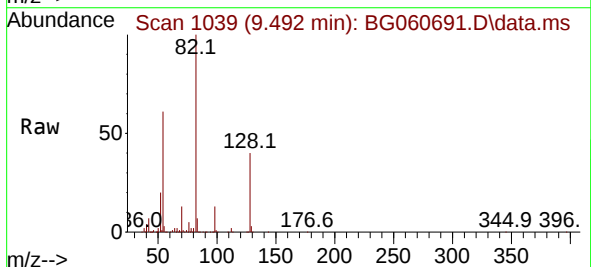
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

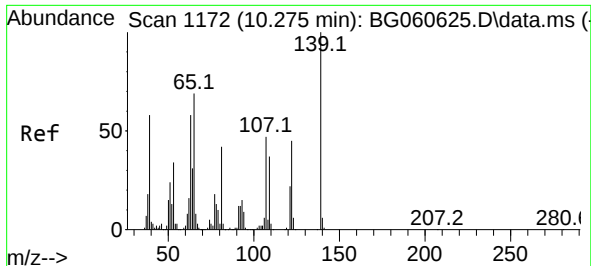
Tgt Ion:	136	Resp:	318470
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	11.1	8.5	12.7
68	5.6	5.0	7.6



#23
Nitrobenzene-d5
Concen: 84.578 ng
RT: 9.492 min Scan# 1039
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:	82	Resp:	517556
Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.6	47.4
54	60.9	49.3	73.9

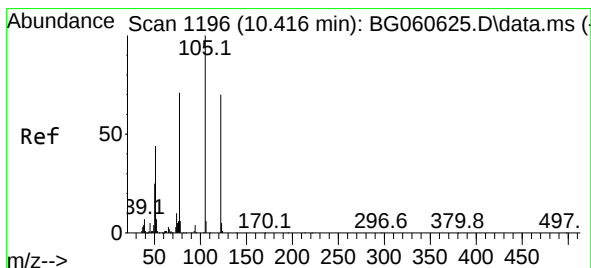
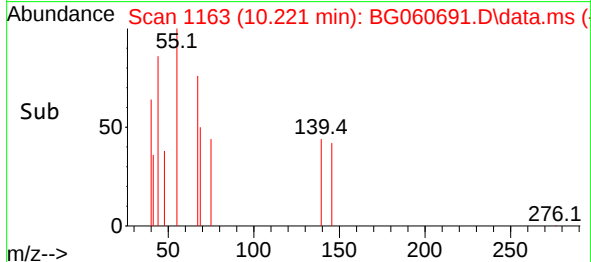
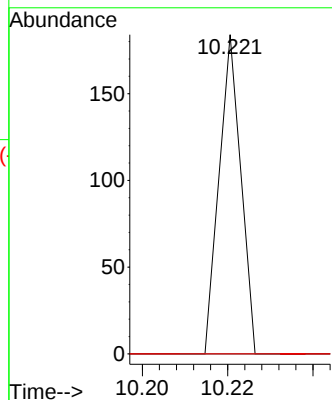
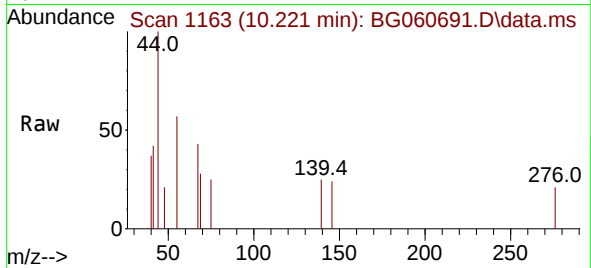




#26
2-Nitrophenol
Concen: 2.261 ng
RT: 10.221 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

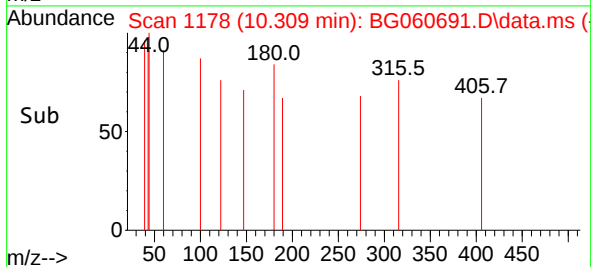
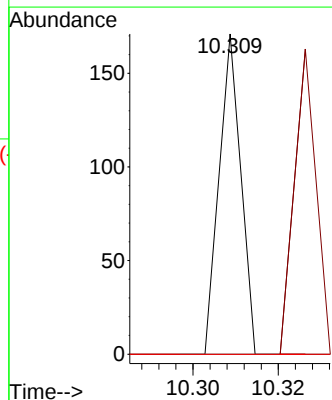
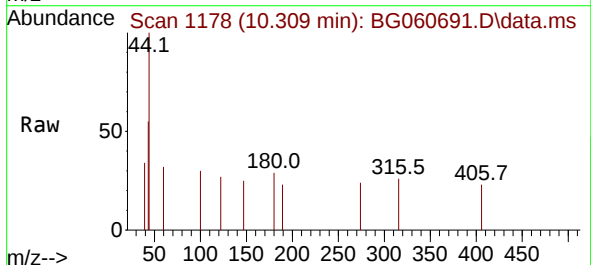
Instrument :
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ClientSampleId :
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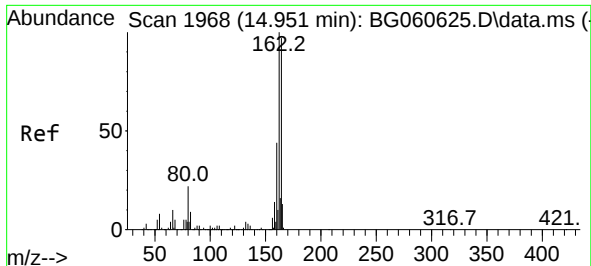
Tgt Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 0.0 29.5 44.3#
65 0.0 55.0 82.4#



#32
Benzoic acid
Concen: 6.035 ng
RT: 10.309 min Scan# 1178
Delta R.T. -0.059 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 79.0 119.0#

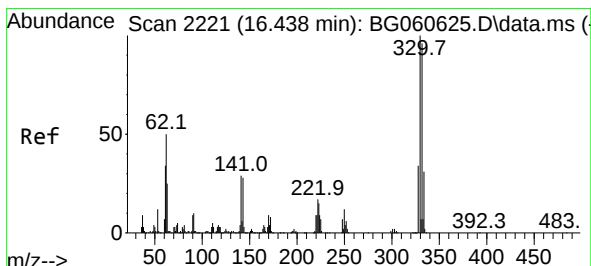
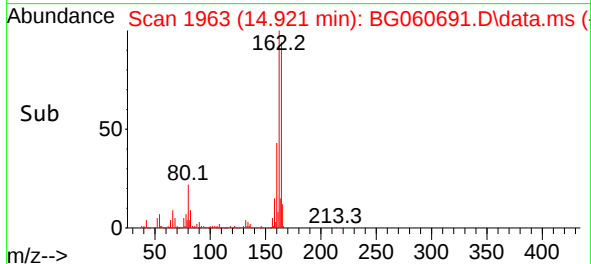
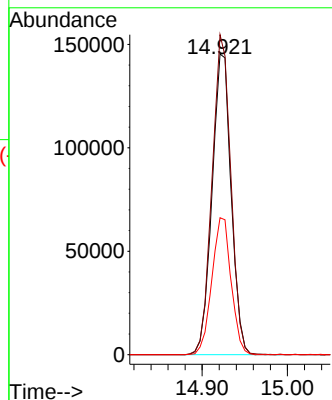
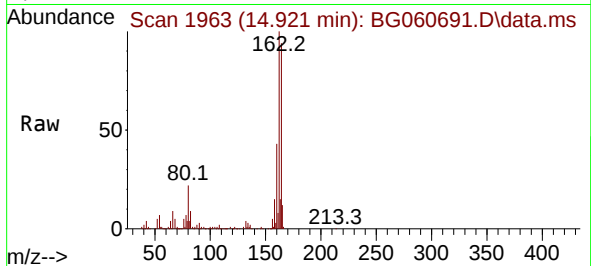




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.921 min Scan# 1963
Delta R.T. -0.007 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

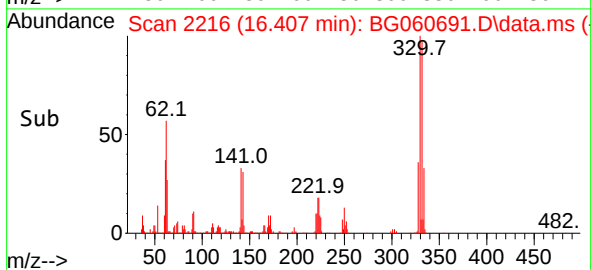
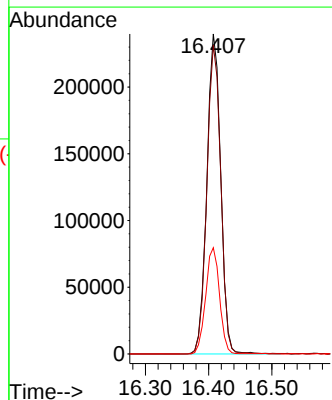
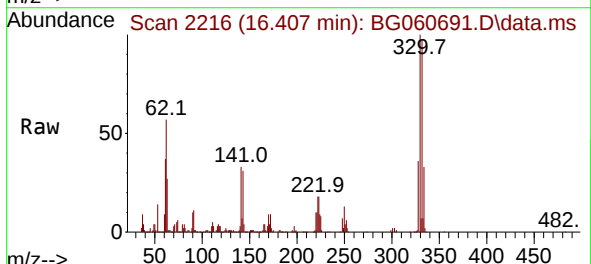
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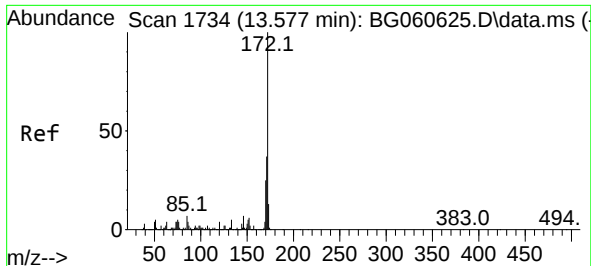
Tgt Ion:164 Resp: 225538
Ion Ratio Lower Upper
164 100
162 106.4 82.5 123.7
160 45.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 139.447 ng
RT: 16.407 min Scan# 2216
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:330 Resp: 364448
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 33.3 25.4 38.2

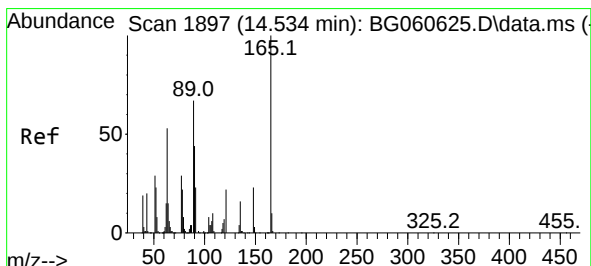
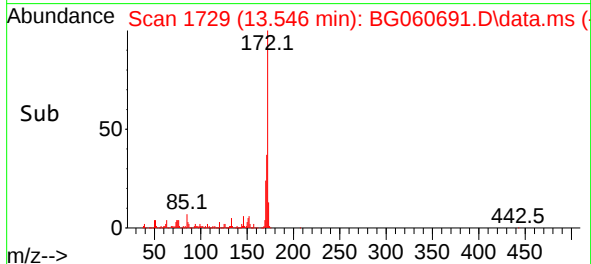
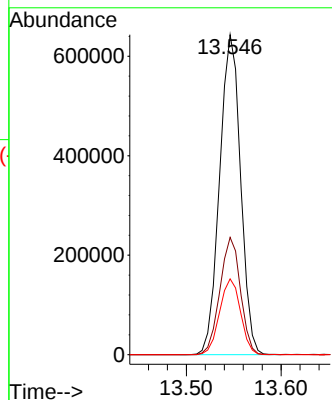
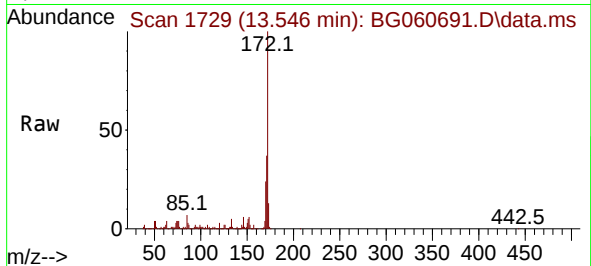




#45
2-Fluorobiphenyl
Concen: 59.299 ng
RT: 13.546 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

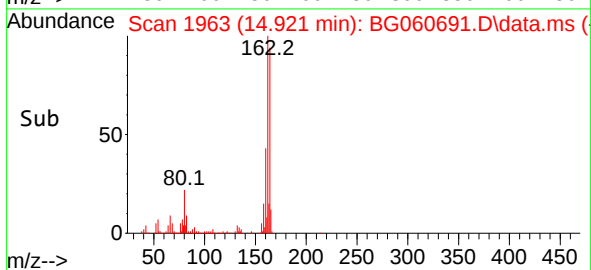
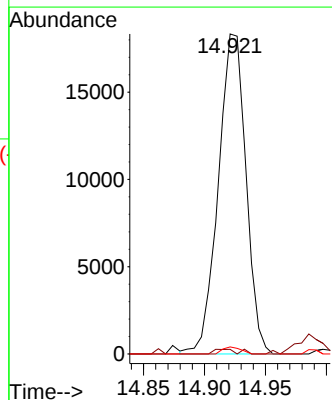
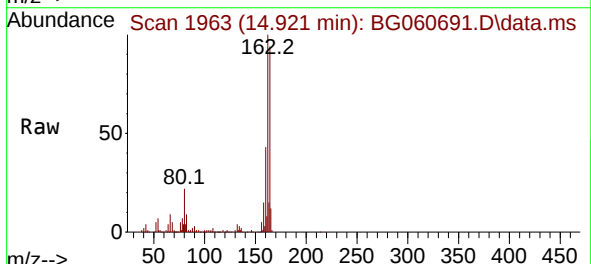
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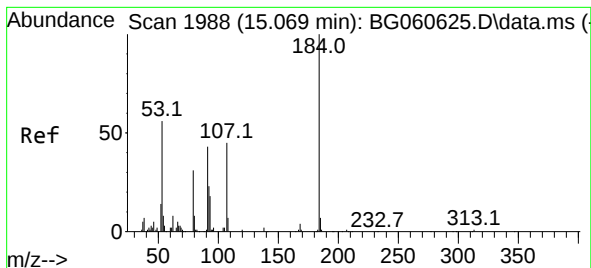
Tgt Ion:172 Resp: 989188
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 23.7 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 9.295 ng
RT: 14.921 min Scan# 1963
Delta R.T. 0.411 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:165 Resp: 28969
Ion Ratio Lower Upper
165 100
63 1.5 55.8 83.6#
89 2.2 54.1 81.1#





#54
2,4-Dinitrophenol
Concen: 6.875 ng
RT: 15.262 min Scan# 2031
Delta R.T. 0.217 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

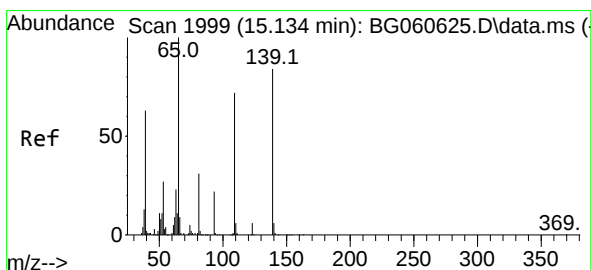
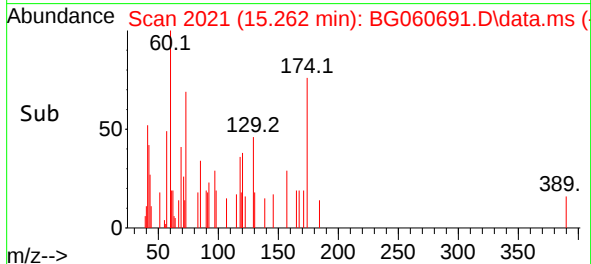
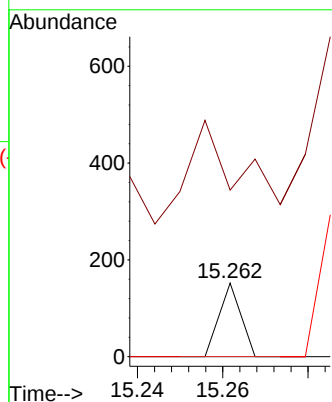
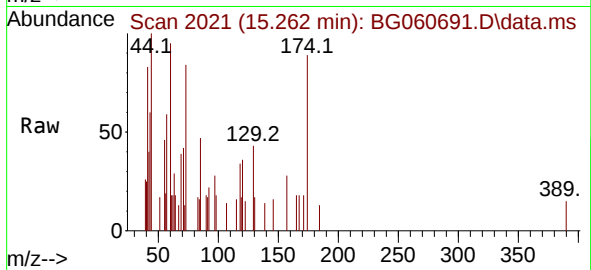
Instrument :

BNA_G

ClientSampleId :

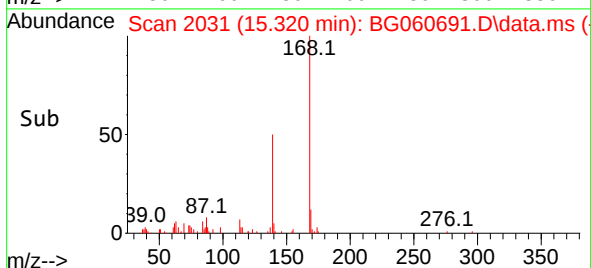
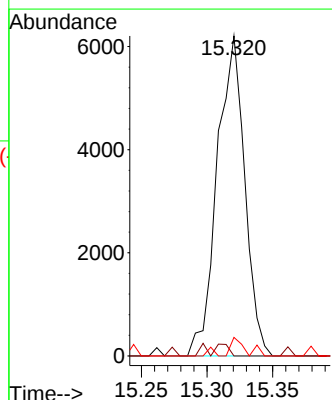
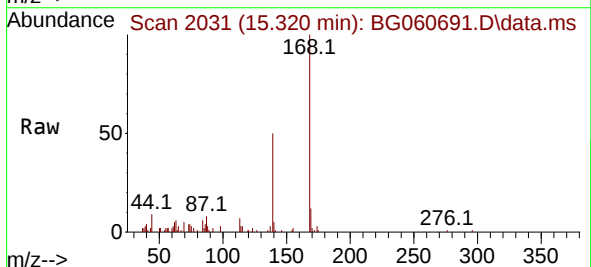
TRENCH-PIT

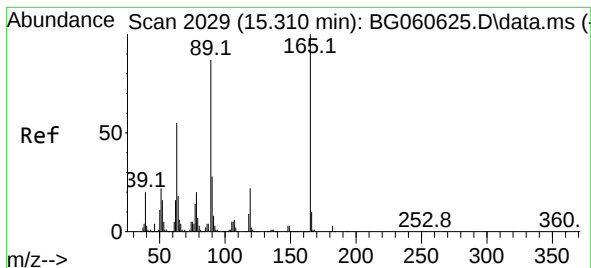
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 226.3 54.4 81.6#
154 0.0 50.4 75.6#



#56
4-Nitrophenol
Concen: 3.386 ng
RT: 15.320 min Scan# 2031
Delta R.T. 0.205 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:139 Resp: 9068
Ion Ratio Lower Upper
139 100
109 0.0 66.1 106.1#
65 5.8 99.7 139.7#





#57

2,4-Dinitrotoluene

Concen: 7.388 ng

RT: 14.921 min Scan# 1963

Delta R.T. -0.365 min

Lab File: BG060691.D

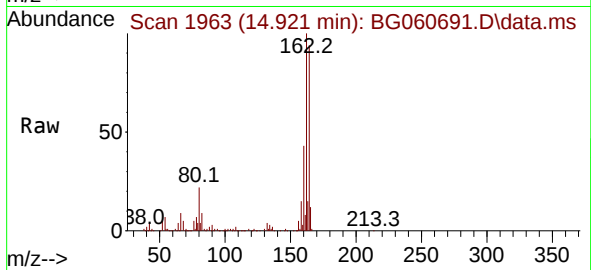
Acq: 20 Mar 2024 14:35

Instrument :

BNA_G

ClientSampleId :

TRENCH-PIT



Tgt Ion:165 Resp: 28969

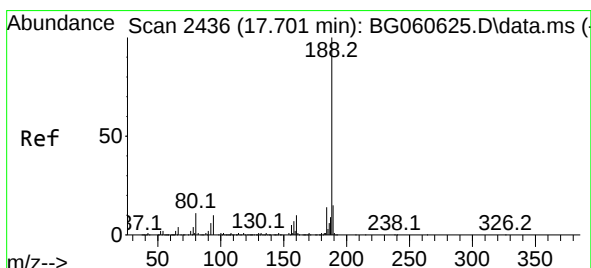
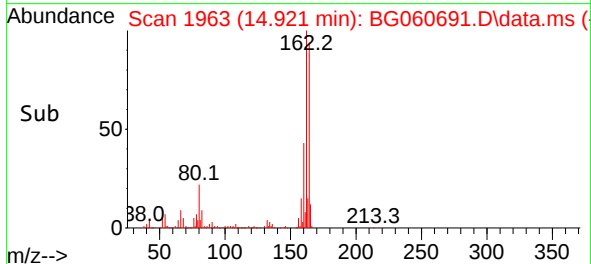
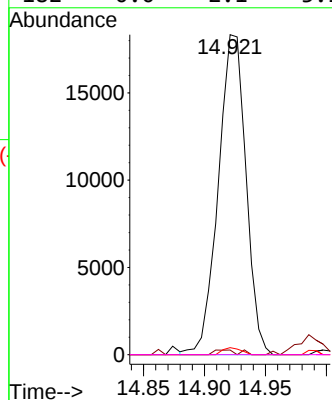
Ion Ratio Lower Upper

165 100

63 1.5 44.1 66.1#

89 2.2 69.7 104.5#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.671 min Scan# 2431

Delta R.T. -0.001 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

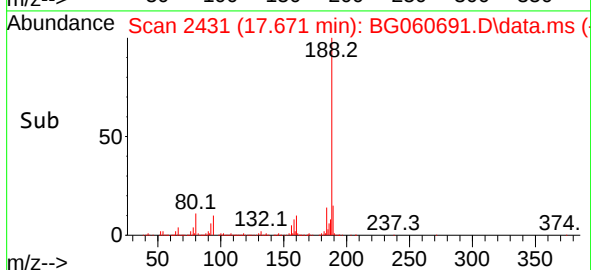
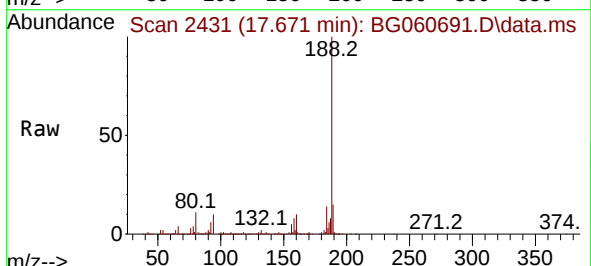
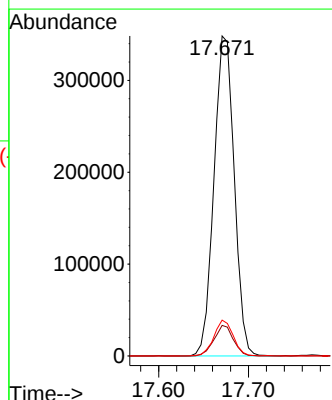
Tgt Ion:188 Resp: 546224

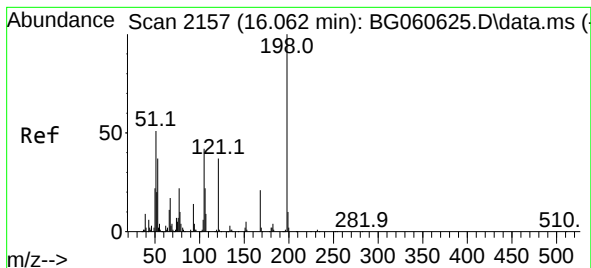
Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 11.2 8.6 13.0

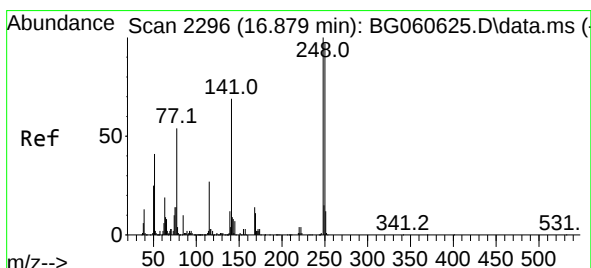
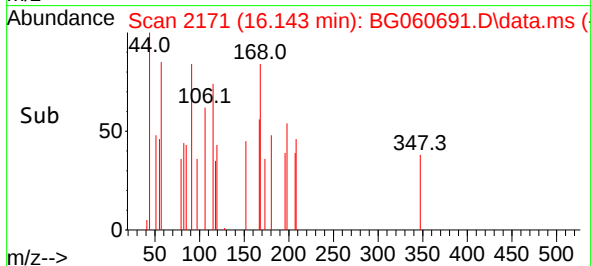
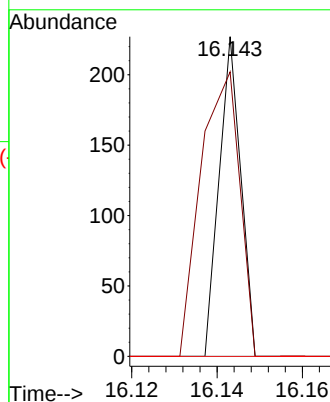
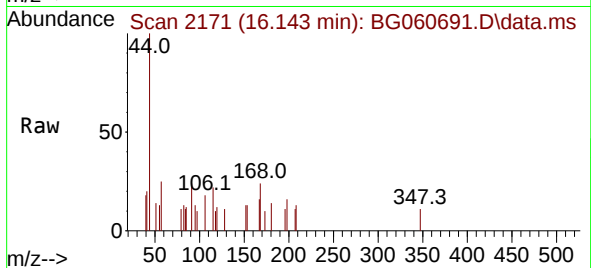




#65
4,6-Dinitro-2-methylphenol
Concen: 4.844 ng
RT: 16.143 min Scan# 2157
Delta R.T. 0.105 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

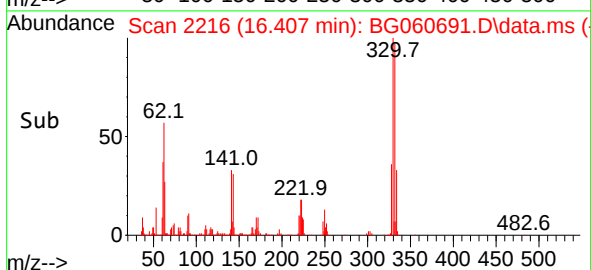
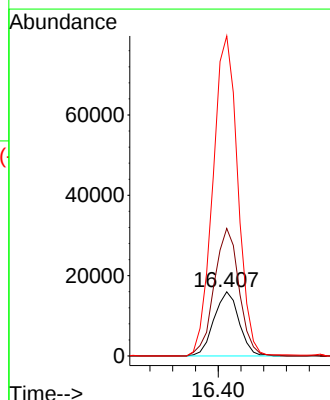
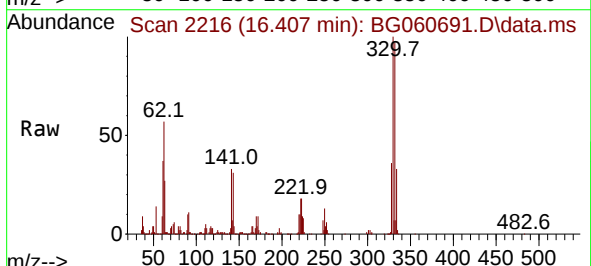
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

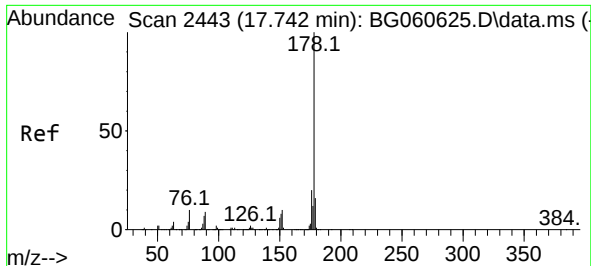
Tgt Ion:198 Resp: 80
Ion Ratio Lower Upper
198 100
51 89.0 36.9 76.9#
105 0.0 22.4 62.4#



#67
4-Bromophenyl-phenylether
Concen: 4.145 ng
RT: 16.407 min Scan# 2216
Delta R.T. -0.441 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:248 Resp: 24413
Ion Ratio Lower Upper
248 100
250 198.8 77.8 116.6#
141 499.0 55.1 82.7#

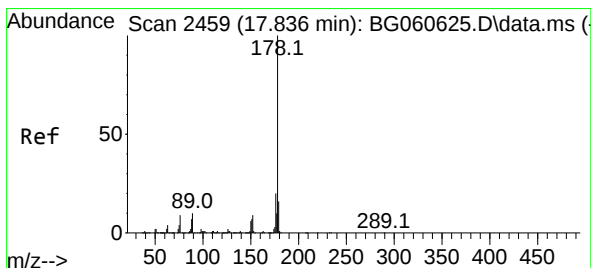
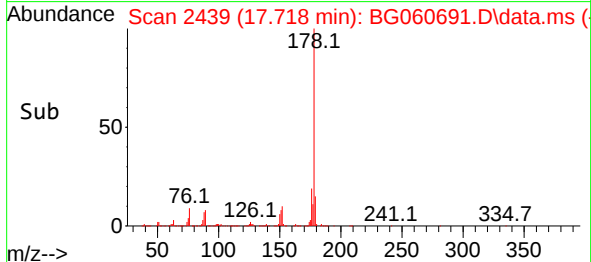
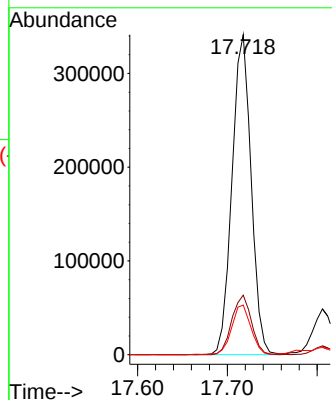
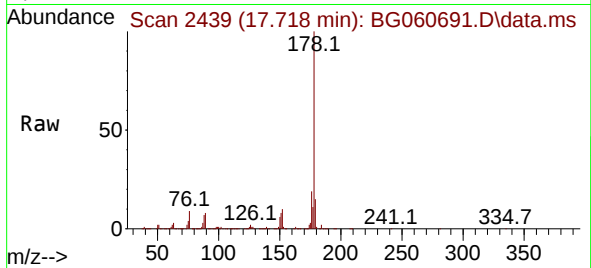




#71
Phenanthrene
Concen: 17.111 ng
RT: 17.718 min Scan# 2443
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

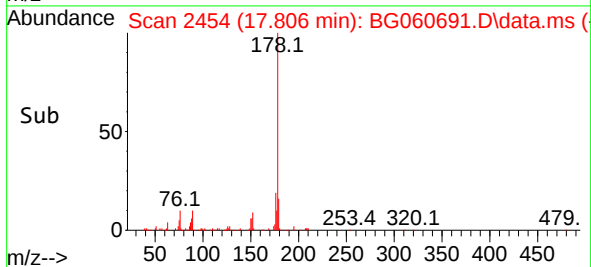
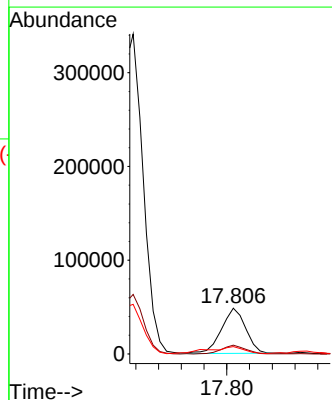
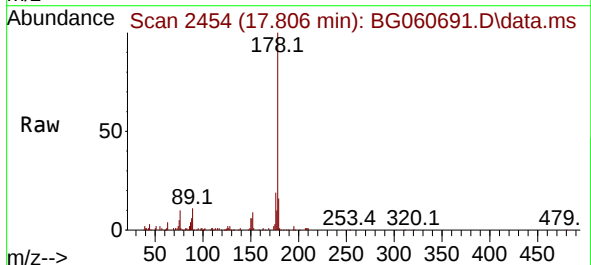
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

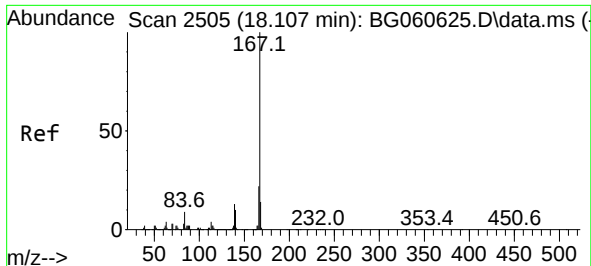
Tgt Ion:178 Resp: 503478
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 15.5 12.9 19.3



#72
Anthracene
Concen: 2.410 ng
RT: 17.806 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:178 Resp: 71702
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 16.3 12.6 19.0

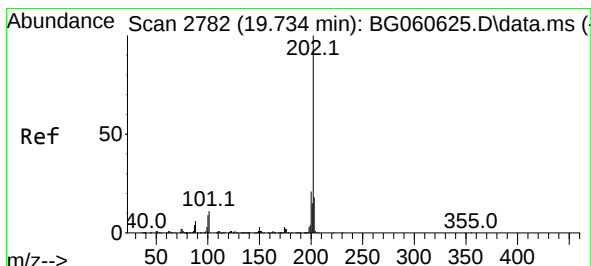
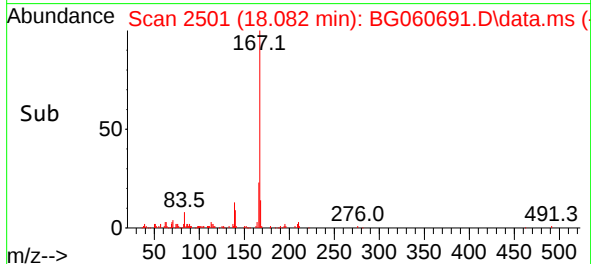
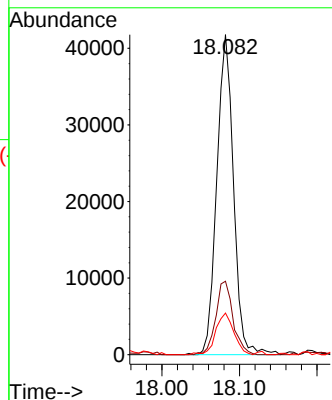
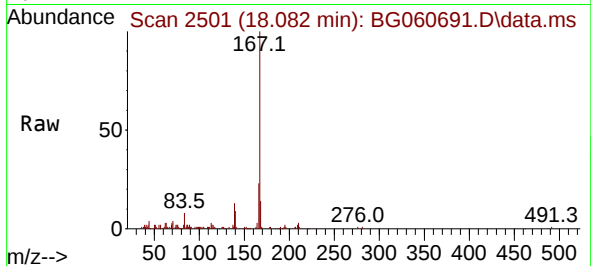




#73
 Carbazole
 Concen: 2.419 ng
 RT: 18.082 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060691.D
 Acq: 20 Mar 2024 14:35

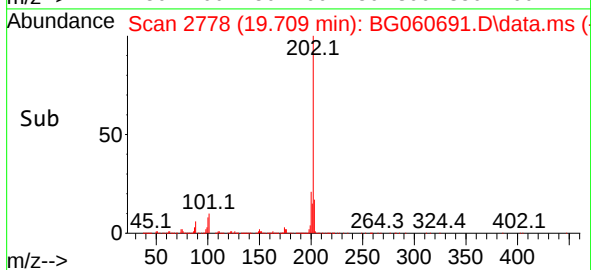
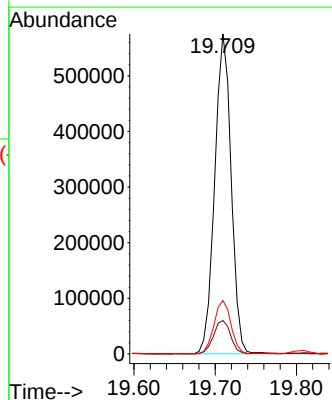
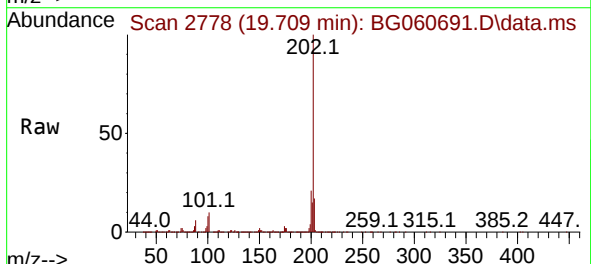
Instrument :
 BNA_G
 ClientSampleId :
 TRENCH-PIT

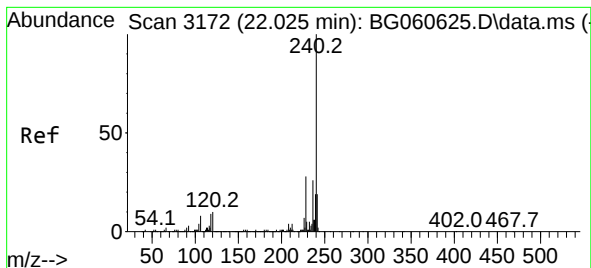
Tgt Ion:167 Resp: 62564
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.0 27.0
 139 13.0 10.7 16.1



#75
 Fluoranthene
 Concen: 24.864 ng
 RT: 19.709 min Scan# 2778
 Delta R.T. -0.001 min
 Lab File: BG060691.D
 Acq: 20 Mar 2024 14:35

Tgt Ion:202 Resp: 809266
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.2
 203 16.7 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.989 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

Instrument :

BNA_G

ClientSampleId :

TRENCH-PIT

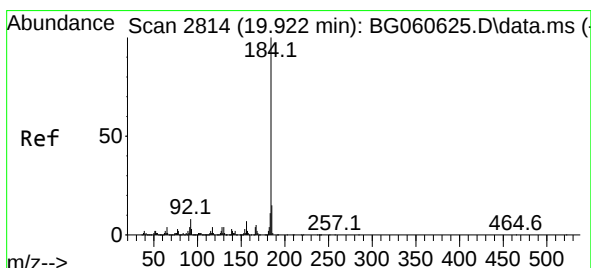
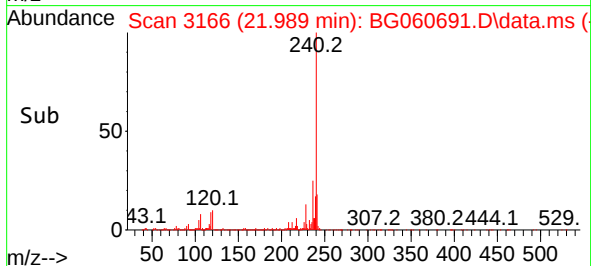
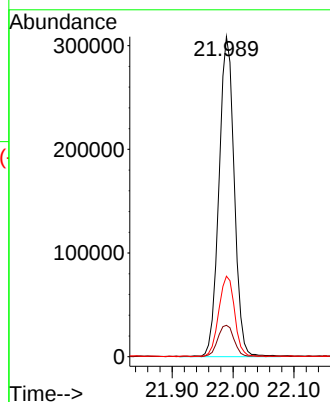
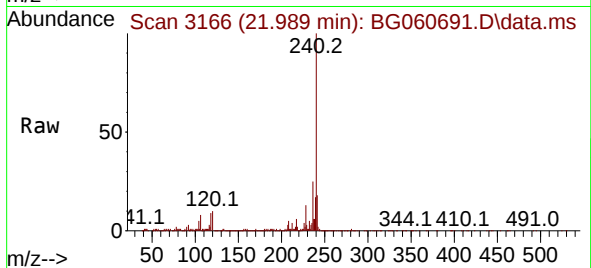
Tgt Ion:240 Resp: 537638

Ion Ratio Lower Upper

240 100

120 9.8 7.8 11.8

236 25.1 20.6 31.0



#77

Benzidine

Concen: 2.077 ng

RT: 20.256 min Scan# 2871

Delta R.T. 0.358 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

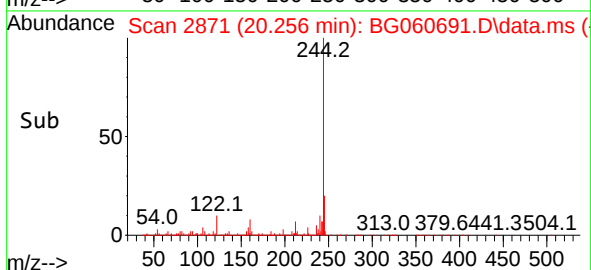
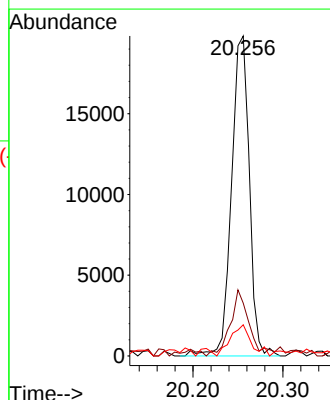
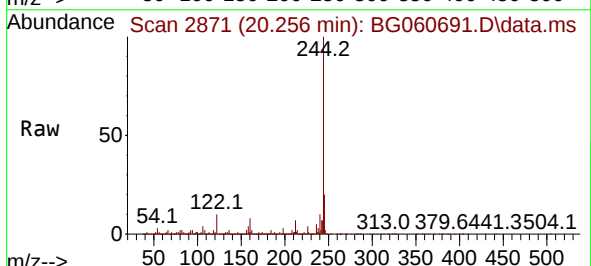
Tgt Ion:184 Resp: 27308

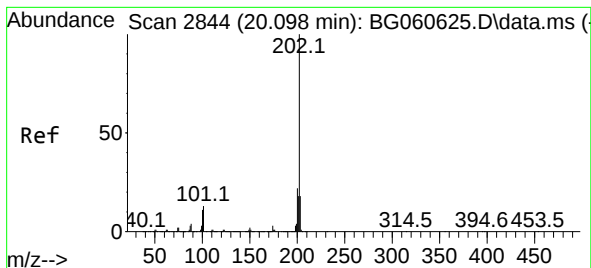
Ion Ratio Lower Upper

184 100

185 16.5 11.7 17.5

183 9.8 9.2 13.8





#78

Pyrene

Concen: 17.744 ng

RT: 20.074 min Scan# 2840

Delta R.T. -0.001 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

Instrument :

BNA_G

ClientSampleId :

TRENCH-PIT

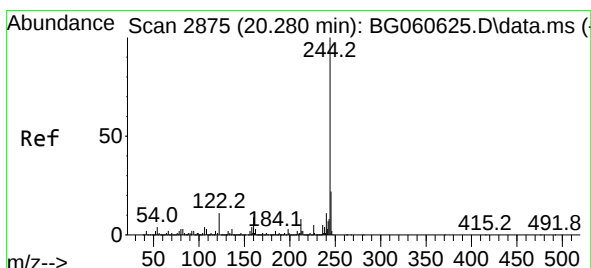
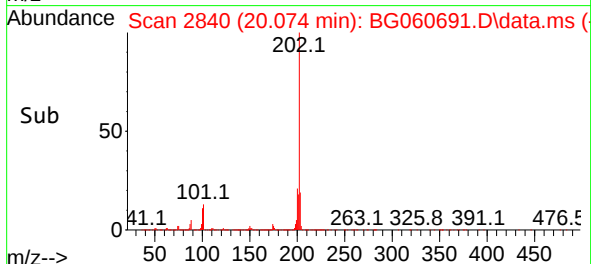
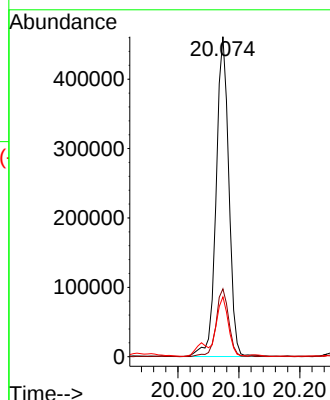
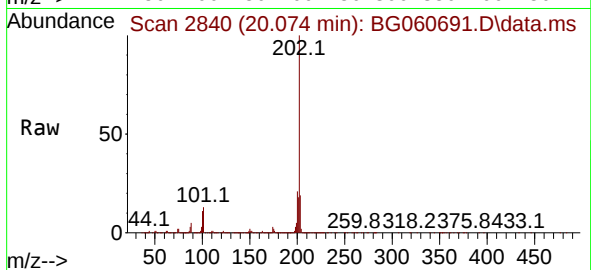
Tgt Ion:202 Resp: 665753

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 58.890 ng

RT: 20.256 min Scan# 2871

Delta R.T. -0.001 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

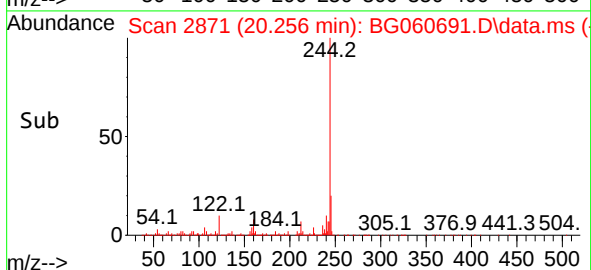
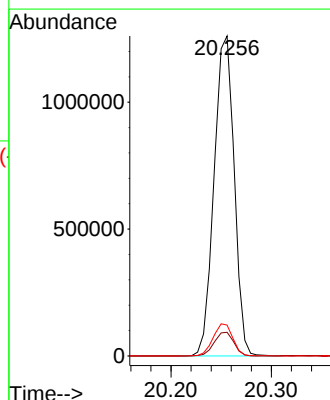
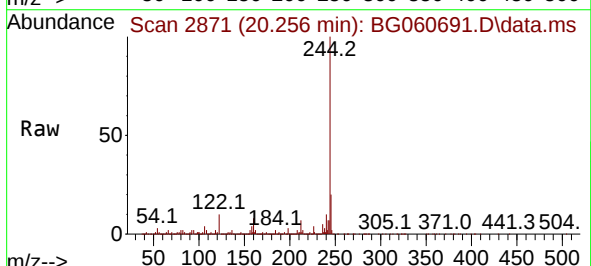
Tgt Ion:244 Resp: 1751634

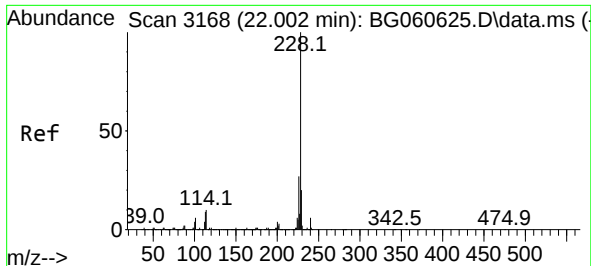
Ion Ratio Lower Upper

244 100

212 7.4 6.6 9.8

122 9.6 8.5 12.7

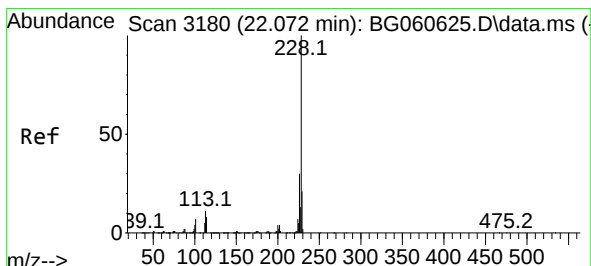
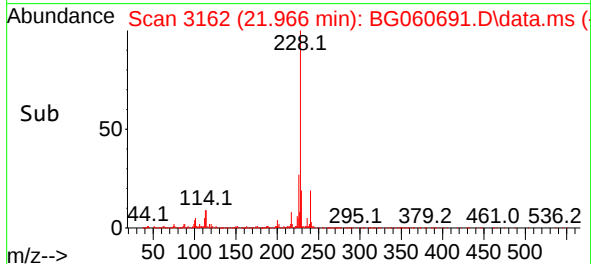
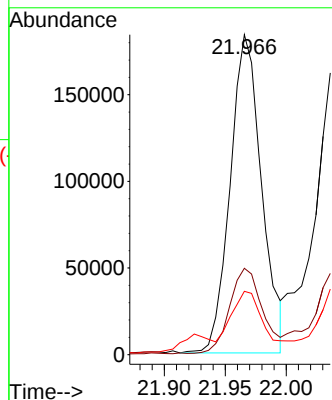
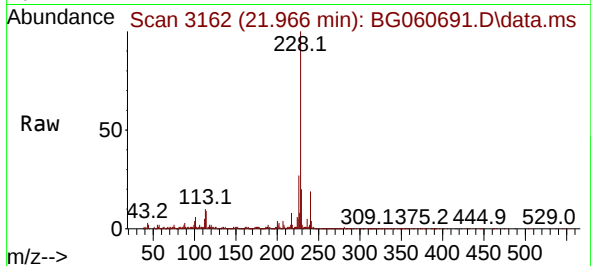




#81
Benzo(a)anthracene
Concen: 8.904 ng
RT: 21.966 min Scan# 3162
Delta R.T. -0.007 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

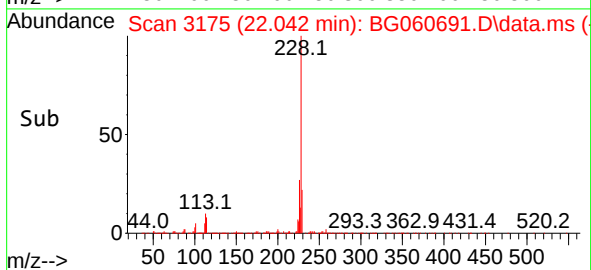
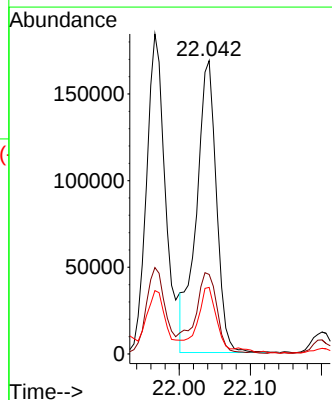
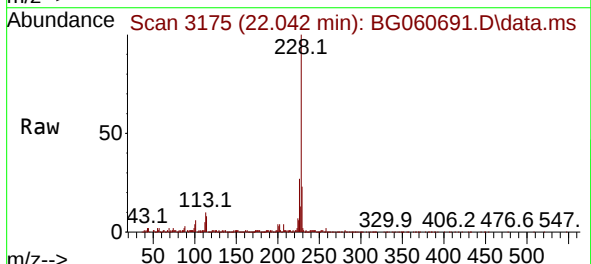
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

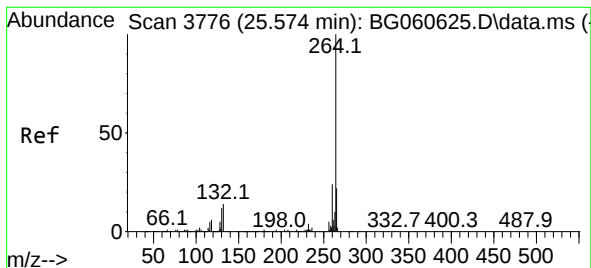
Tgt Ion:228 Resp: 329602
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.8 15.8 23.6



#83
Chrysene
Concen: 9.217 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:228 Resp: 331293
Ion Ratio Lower Upper
228 100
226 27.1 24.2 36.2
229 22.7 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.532 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

Instrument :

BNA_G

ClientSampleId :

TRENCH-PIT

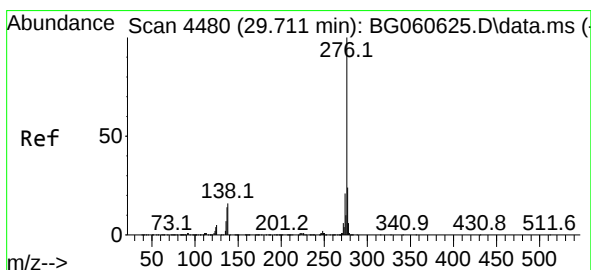
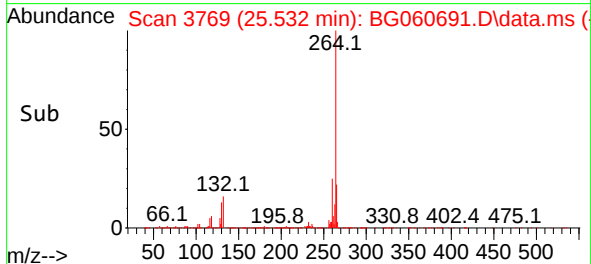
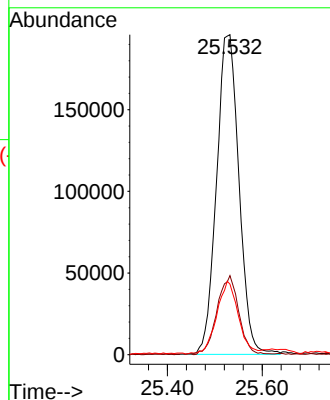
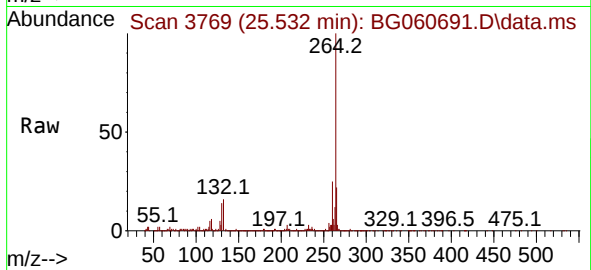
Tgt Ion:264 Resp: 643525

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.1 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.075 ng

RT: 29.604 min Scan# 4462

Delta R.T. -0.030 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

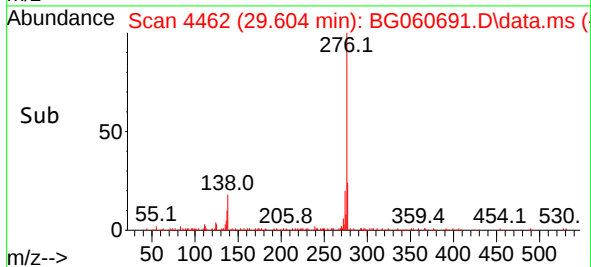
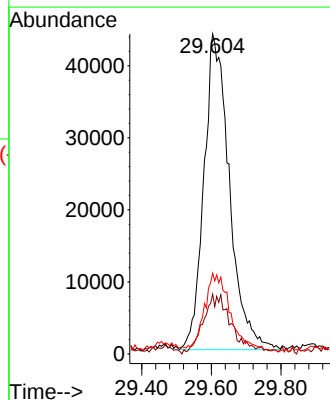
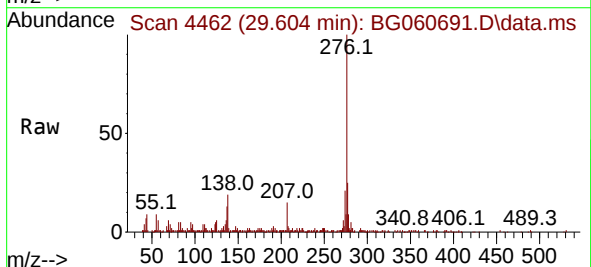
Tgt Ion:276 Resp: 222774

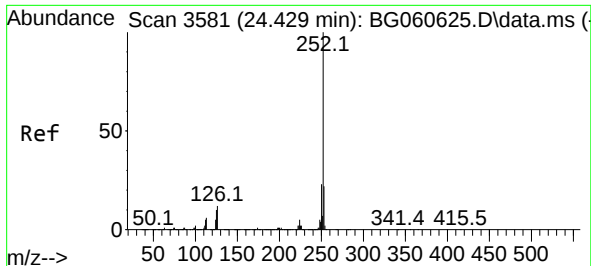
Ion Ratio Lower Upper

276 100

138 9.0 6.6 10.0

277 24.3 16.7 25.1

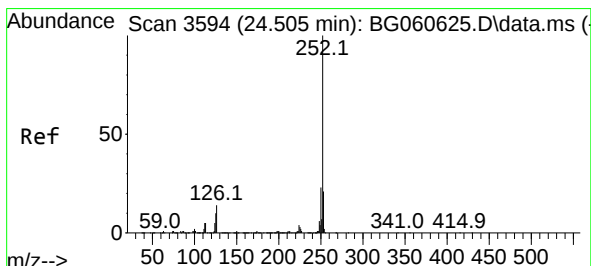
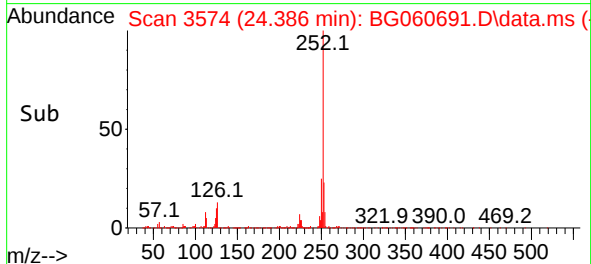
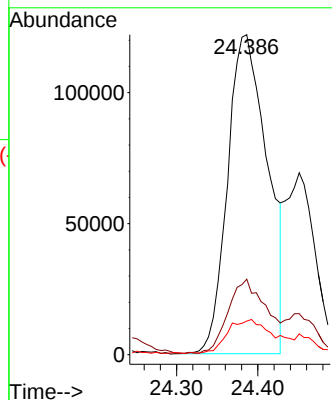
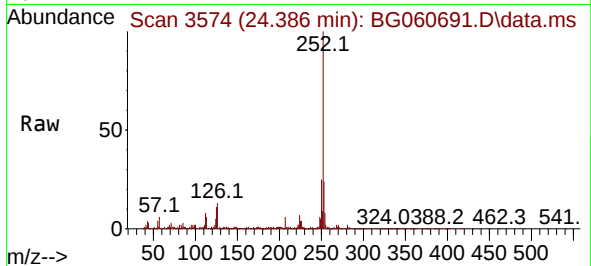




#88
Benzo(b)fluoranthene
Concen: 11.721 ng
RT: 24.386 min Scan# 3574
Delta R.T. -0.001 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

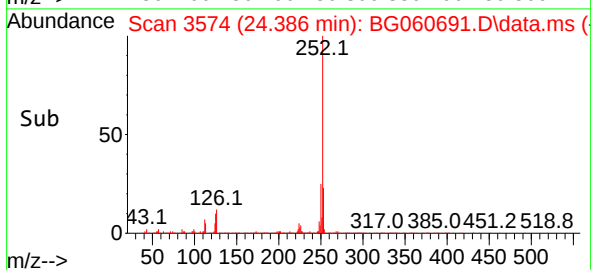
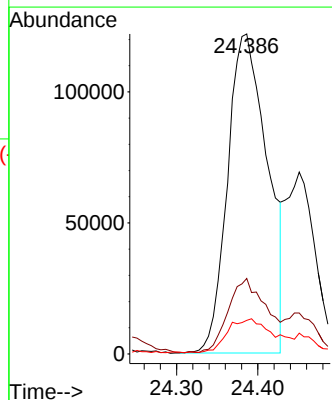
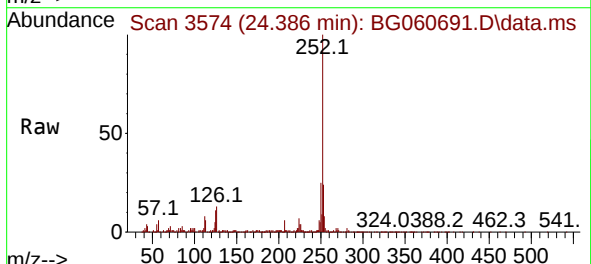
Instrument :
BNA_G
ClientSampleId :
TRENCH-PIT

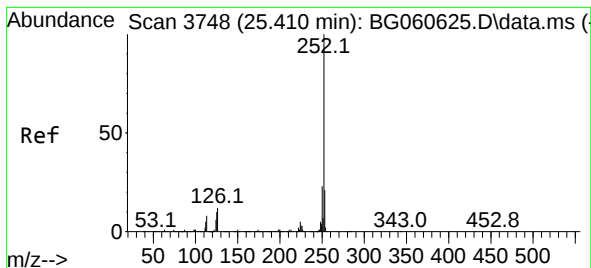
Tgt Ion:252 Resp: 414969
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.5 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 11.157 ng
RT: 24.386 min Scan# 3574
Delta R.T. -0.071 min
Lab File: BG060691.D
Acq: 20 Mar 2024 14:35

Tgt Ion:252 Resp: 414969
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 10.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 8.215 ng

RT: 25.356 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

Instrument :

BNA_G

ClientSampleId :

TRENCH-PIT

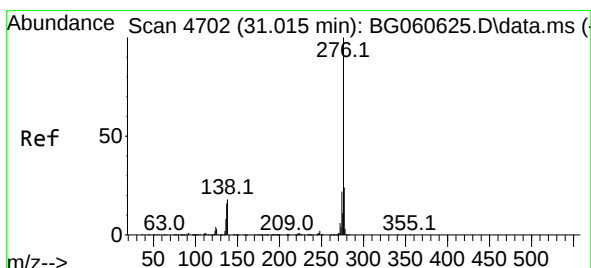
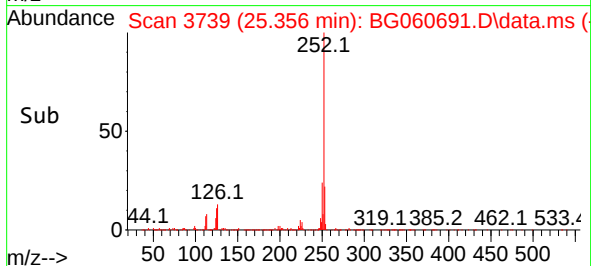
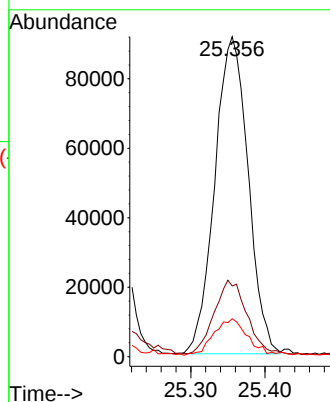
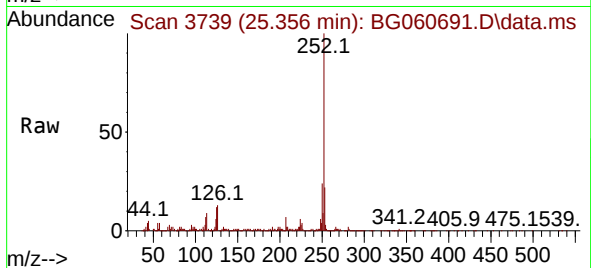
Tgt Ion:252 Resp: 285141

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 11.8 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 5.917 ng

RT: 30.920 min Scan# 4686

Delta R.T. -0.018 min

Lab File: BG060691.D

Acq: 20 Mar 2024 14:35

Tgt Ion:276 Resp: 213475

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.4

138 19.1 14.4 21.6

