

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060088.D
 Acq On : 19 Dec 2023 16:47
 Operator : MA/JU
 Sample : 05793-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-12122023

Quant Time: Dec 19 17:31:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

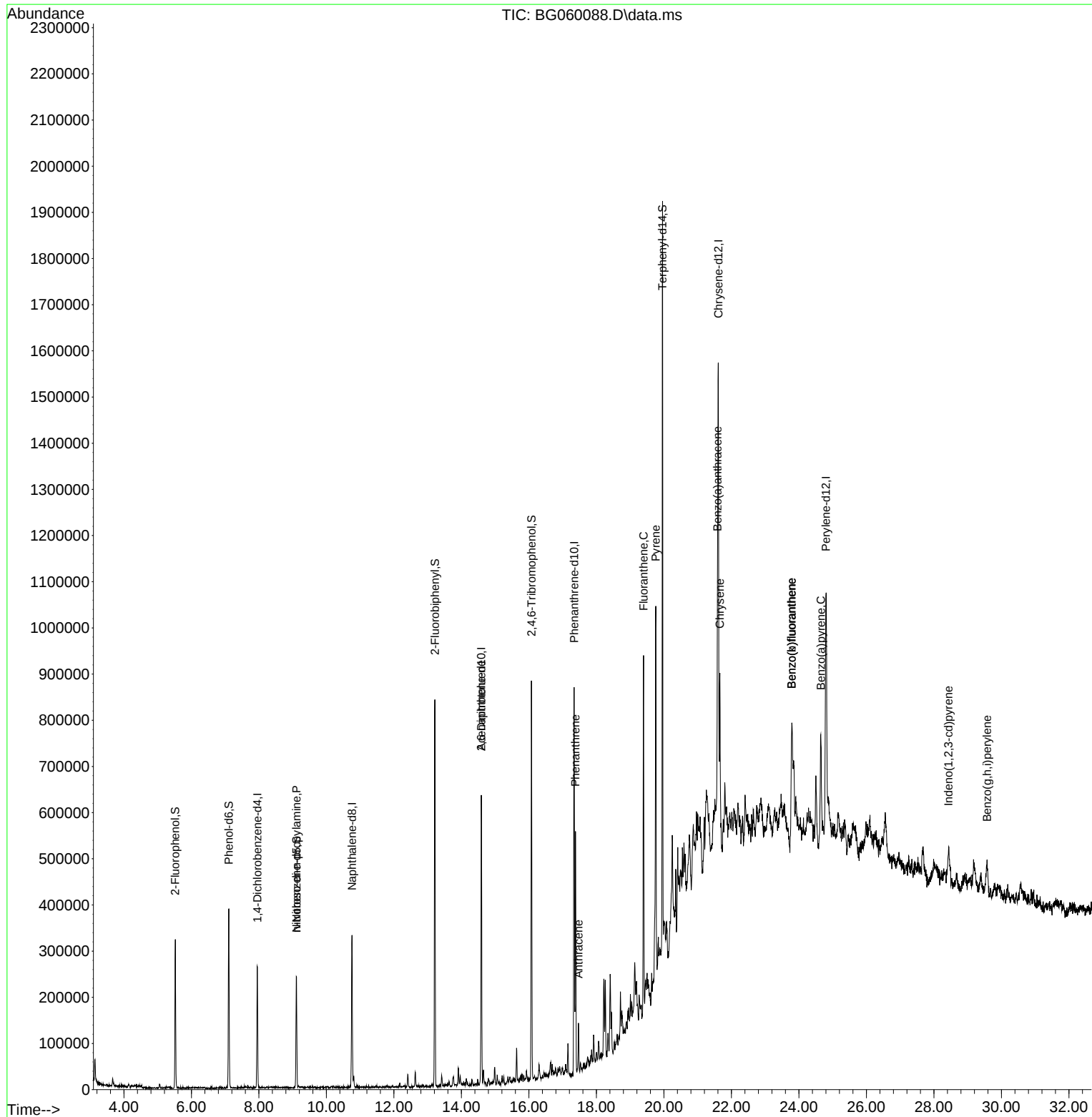
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	71006	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	246543	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	220419	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	587549	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	602028	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	718447	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	110244	26.578	ng	0.00
7) Phenol-d6	7.109	99	183919	31.522	ng	0.00
23) Nitrobenzene-d5	9.112	82	137145	25.259	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	205996	40.102	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	467255	25.945	ng	0.00
79) Terphenyl-d14	19.959	244	903899	27.412	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.112	70	19507	5.182	ng	# 71
51) 2,6-Dinitrotoluene	14.588	165	33392	9.422	ng	# 24
69) Atrazine	16.821	200	118	Below Cal		85
71) Phenanthrene	17.379	178	358562	12.599	ng	96
72) Anthracene	17.467	178	78771	2.753	ng	97
75) Fluoranthene	19.394	202	529524	12.751	ng	98
78) Pyrene	19.759	202	562776	15.421	ng	98
81) Benzo(a)anthracene	21.586	228	317772	7.858	ng	99
83) Chrysene	21.657	228	283269	7.394	ng	96
87) Indeno(1,2,3-cd)pyrene	28.431	276	187719	3.661	ng	# 94
88) Benzo(b)fluoranthene	23.783	252	360584	8.127	ng	# 97
89) Benzo(k)fluoranthene	23.783	252	360584	8.378	ng	# 97
90) Benzo(a)pyrene	24.647	252	287187	7.305	ng	# 90
92) Benzo(g,h,i)perylene	29.577	276	185631	4.353	ng	# 97

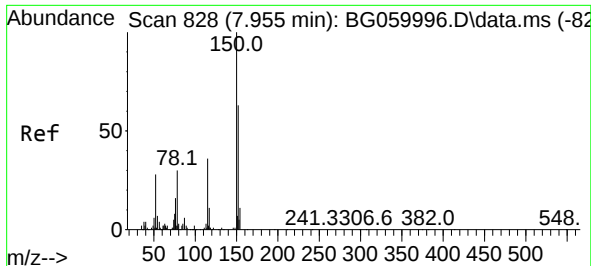
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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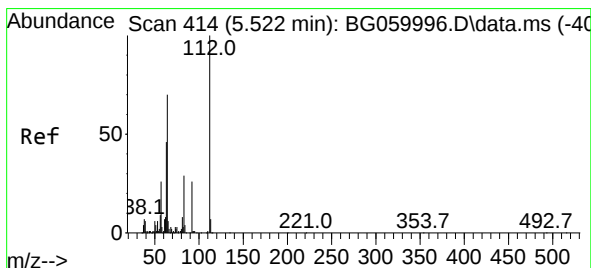
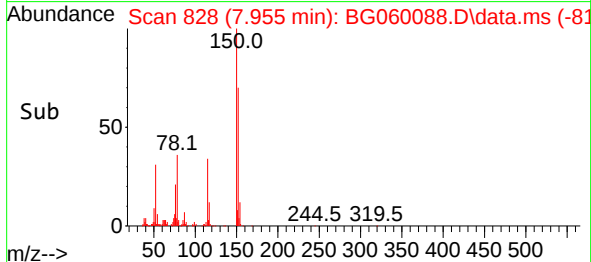
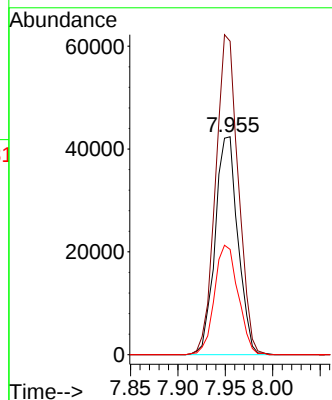
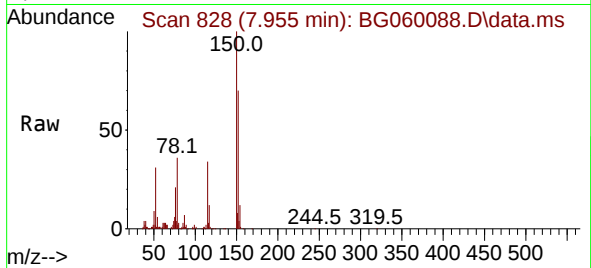




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

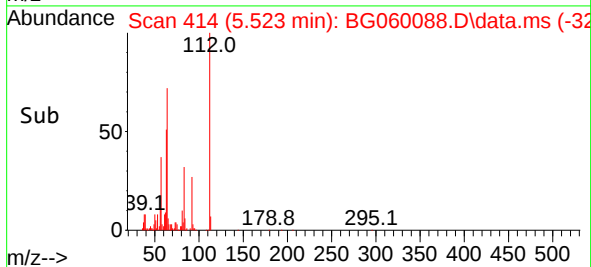
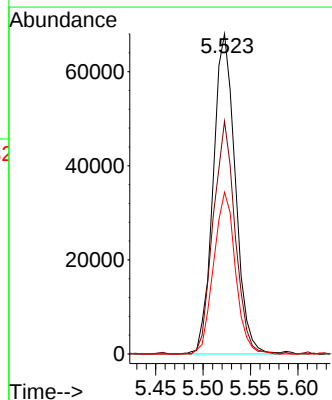
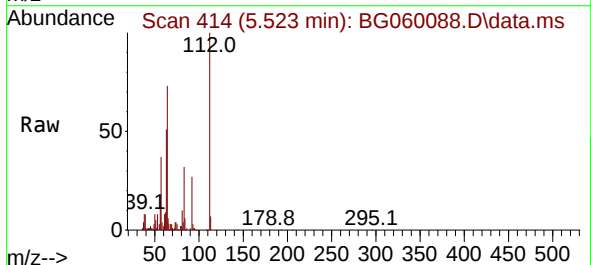
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

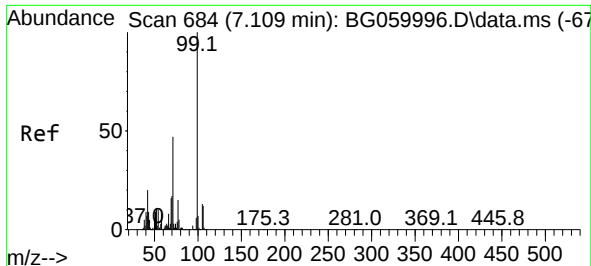
Tgt Ion:152 Resp: 71006
Ion Ratio Lower Upper
152 100
150 143.8 127.0 190.6
115 48.3 45.7 68.5



#5
2-Fluorophenol
Concen: 26.578 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:112 Resp: 110244
Ion Ratio Lower Upper
112 100
64 72.8 55.9 83.9
63 50.6 36.5 54.7

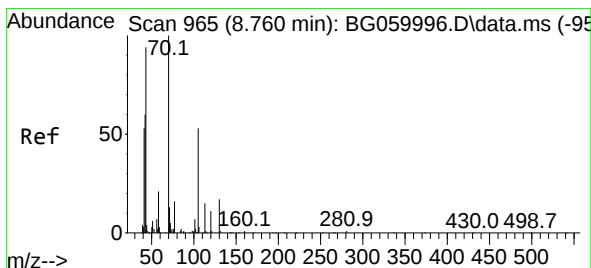
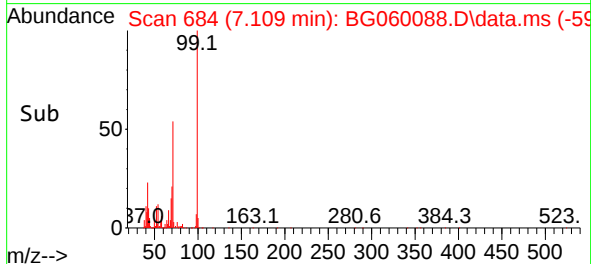
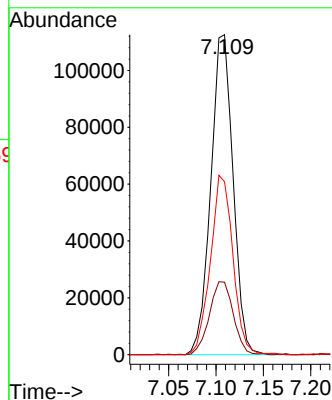
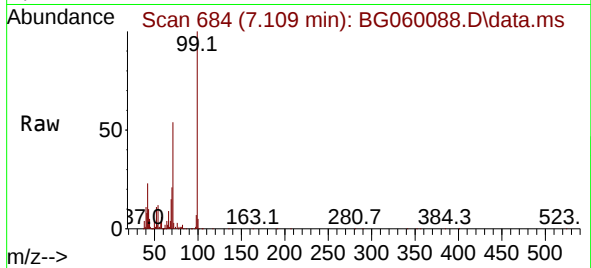




#7
Phenol-d6
Concen: 31.522 ng
RT: 7.109 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

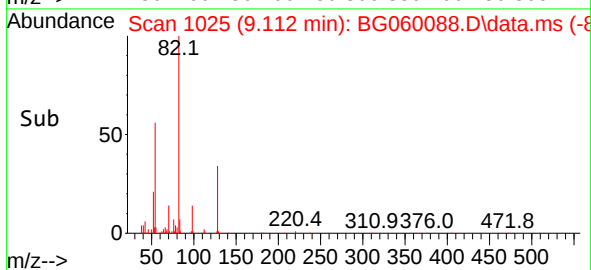
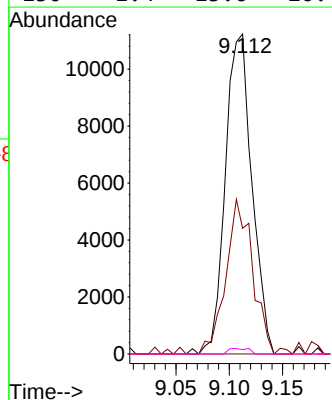
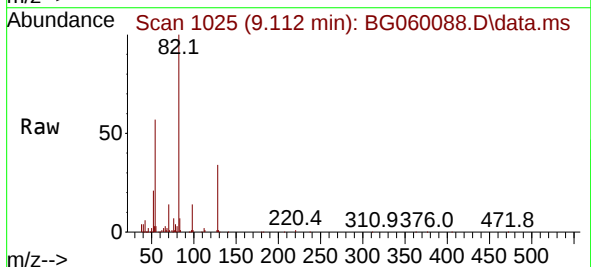
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

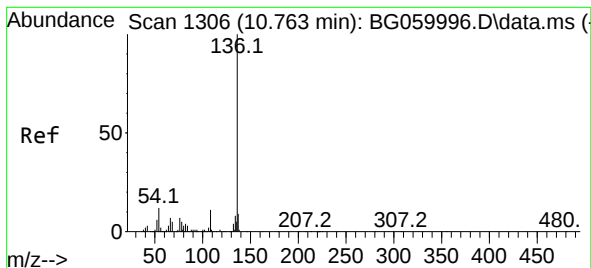
Tgt Ion: 99 Resp: 183919
Ion Ratio Lower Upper
99 100
42 22.6 16.2 24.4
71 54.0 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.182 ng
RT: 9.112 min Scan# 1025
Delta R.T. 0.349 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion: 70 Resp: 19507
Ion Ratio Lower Upper
70 100
42 39.3 48.6 73.0#
101 0.0 5.7 8.5#
130 1.4 13.6 20.4#

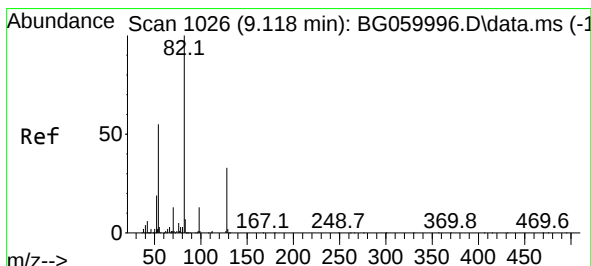
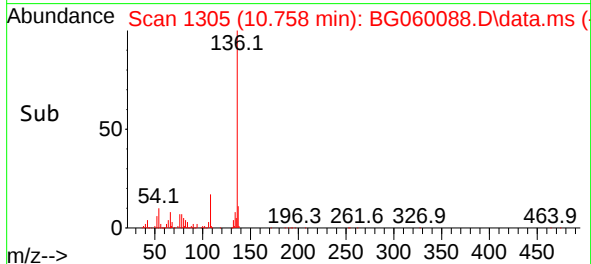
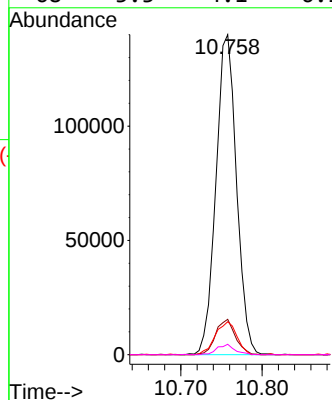
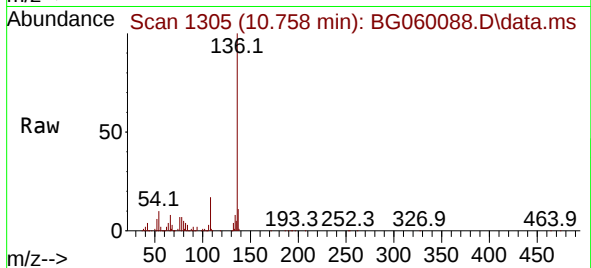




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

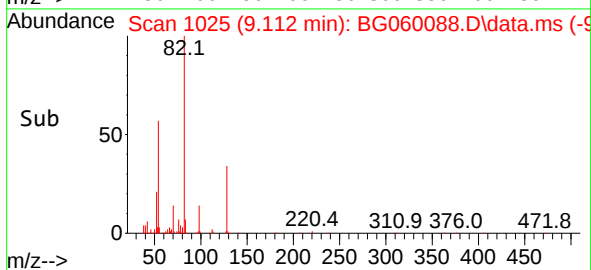
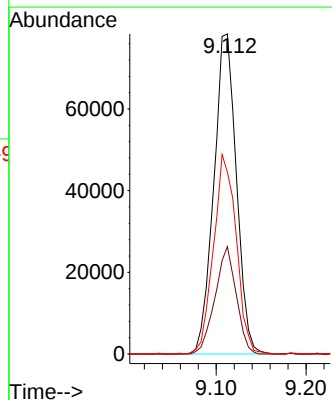
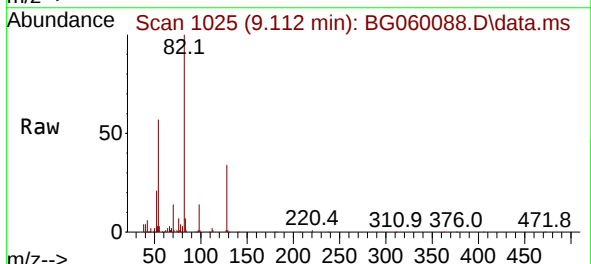
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

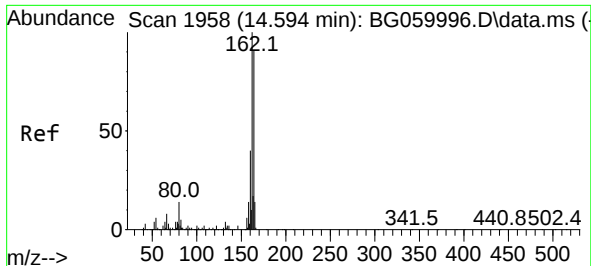
Tgt Ion:136 Resp: 246543
Ion Ratio Lower Upper
136 100
137 11.1 7.3 10.9#
54 10.3 9.6 14.4
68 3.3 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 25.259 ng
RT: 9.112 min Scan# 1025
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion: 82 Resp: 137145
Ion Ratio Lower Upper
82 100
128 33.6 26.3 39.5
54 56.8 44.3 66.5

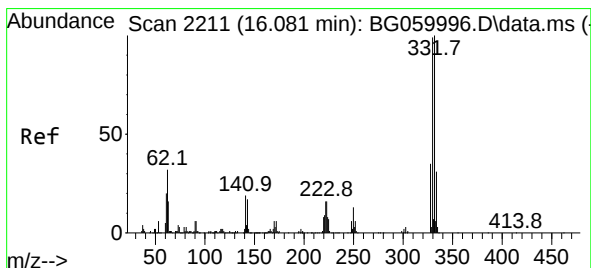
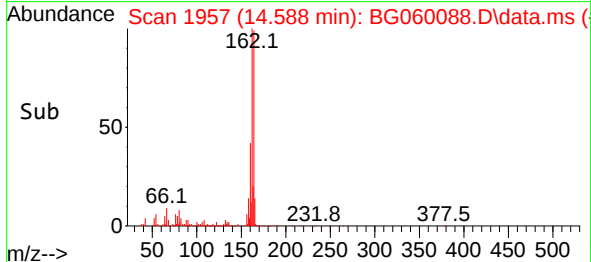
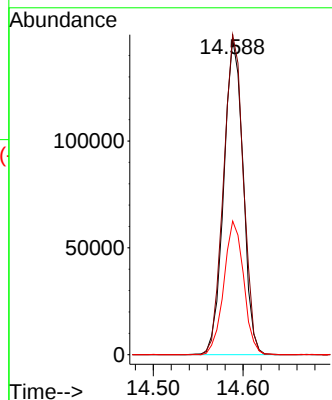
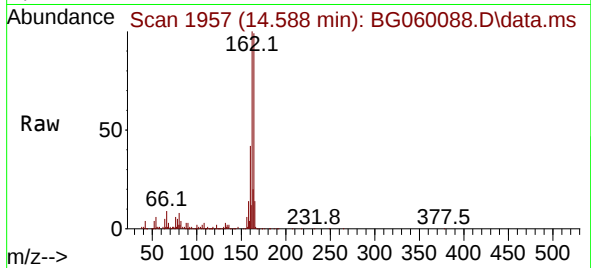




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

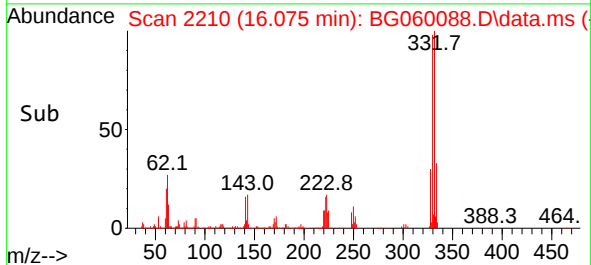
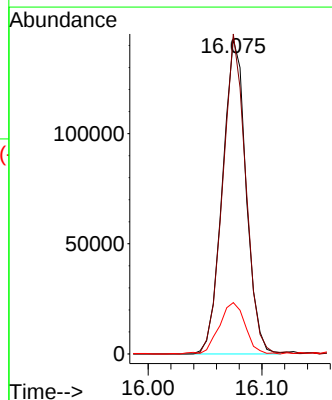
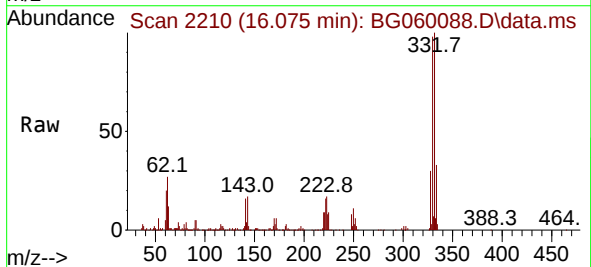
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

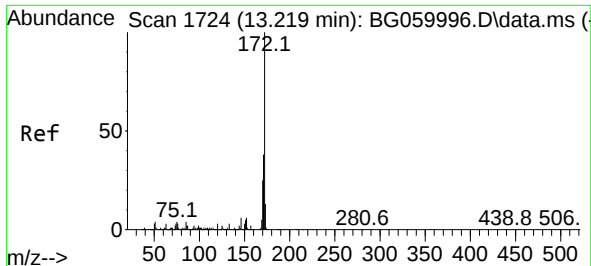
Tgt Ion:164 Resp: 220419
Ion Ratio Lower Upper
164 100
162 101.3 88.1 132.1
160 42.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 40.102 ng
RT: 16.075 min Scan# 2210
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:330 Resp: 205996
Ion Ratio Lower Upper
330 100
332 98.6 76.2 114.4
141 18.0 14.3 21.5

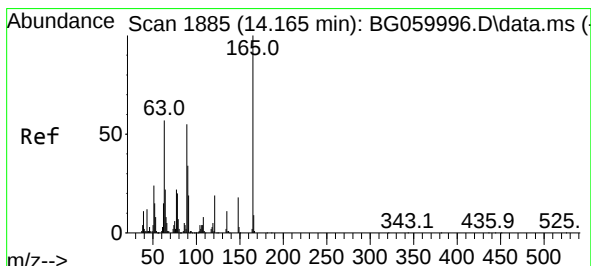
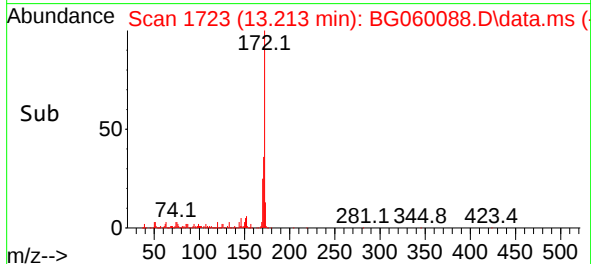
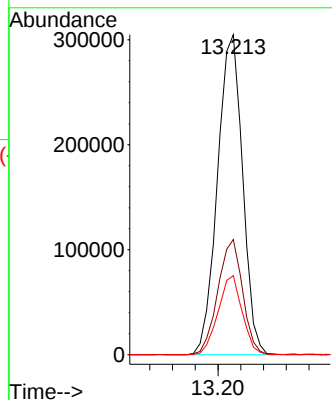
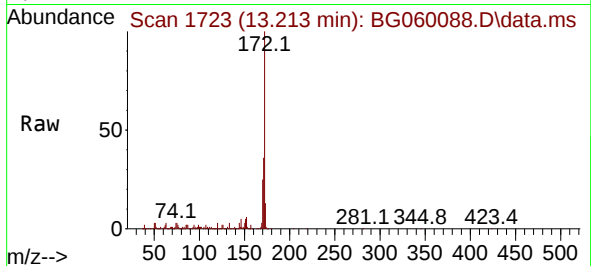




#45
2-Fluorobiphenyl
Concen: 25.945 ng
RT: 13.213 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

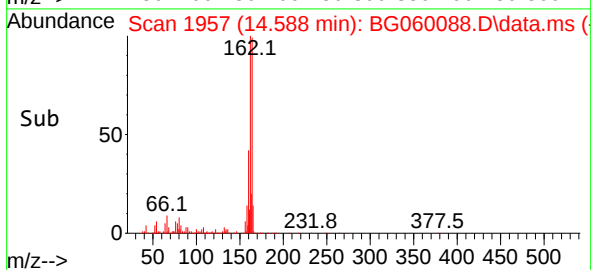
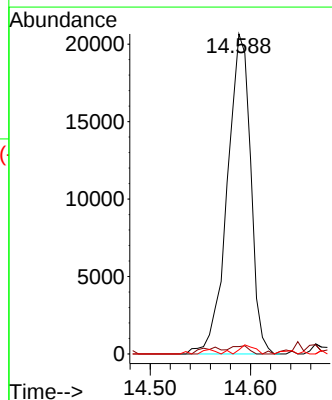
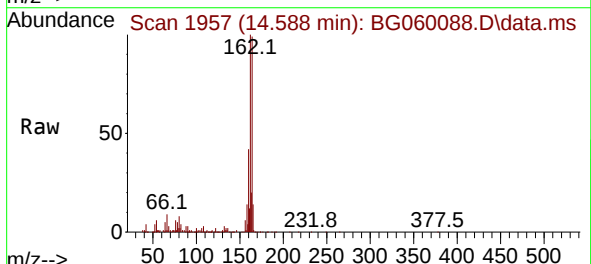
Instrument :
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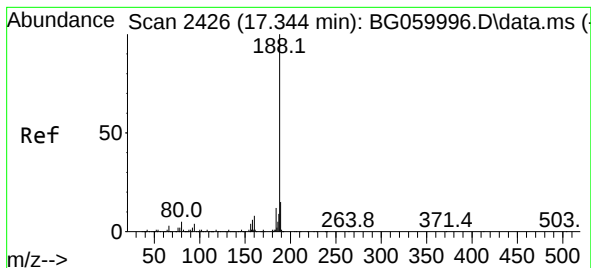
Tgt Ion:172 Resp: 467255
Ion Ratio Lower Upper
172 100
171 36.0 30.1 45.1
170 24.7 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.422 ng
RT: 14.588 min Scan# 1957
Delta R.T. 0.419 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:165 Resp: 33392
Ion Ratio Lower Upper
165 100
63 2.3 48.2 72.2#
89 1.3 44.4 66.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.338 min Scan# 24

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

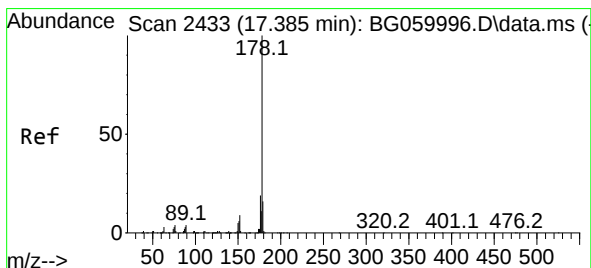
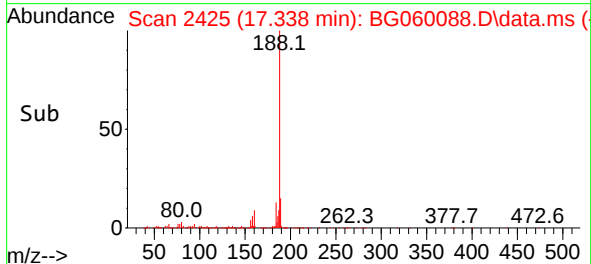
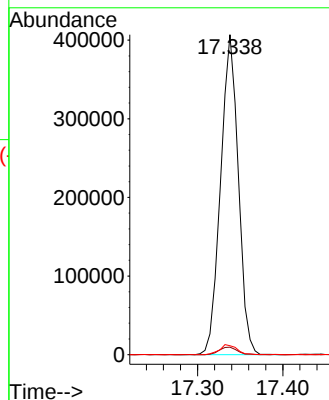
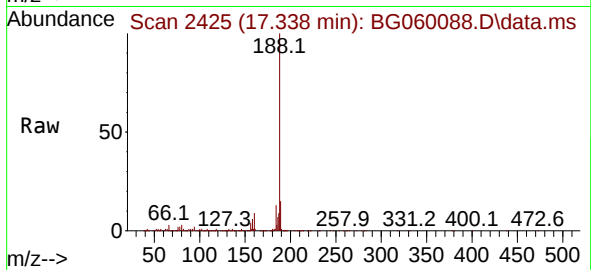
Tgt Ion:188 Resp: 587549

Ion Ratio Lower Upper

188 100

94 2.3 3.0 4.6#

80 2.8 4.0 6.0#



#71

Phenanthrene

Concen: 12.599 ng

RT: 17.379 min Scan# 2432

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

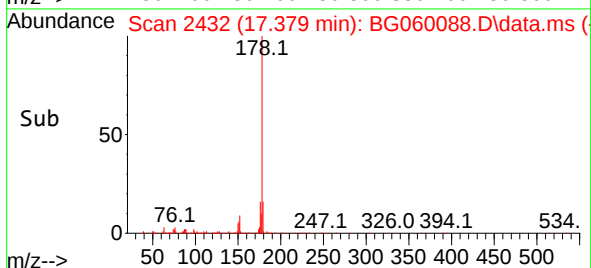
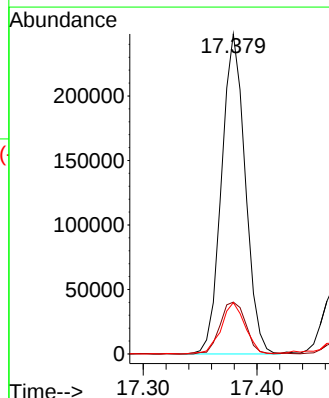
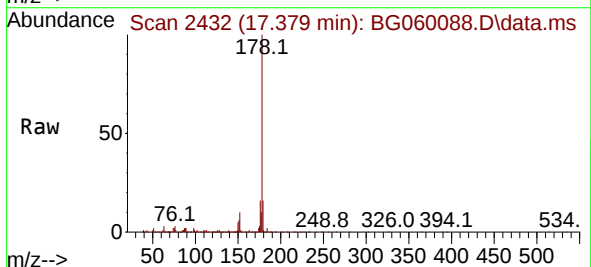
Tgt Ion:178 Resp: 358562

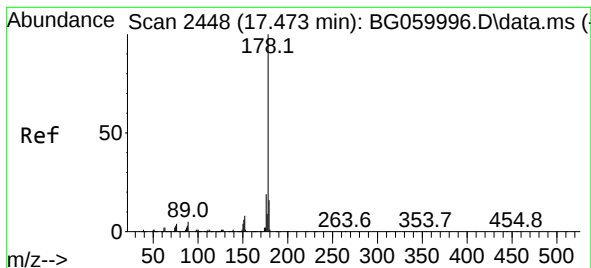
Ion Ratio Lower Upper

178 100

176 16.2 15.6 23.4

179 16.1 12.6 19.0





#72

Anthracene

Concen: 2.753 ng

RT: 17.467 min Scan# 2448

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

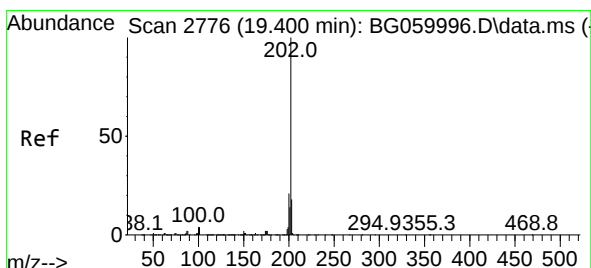
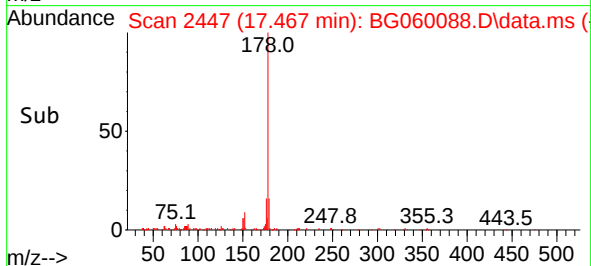
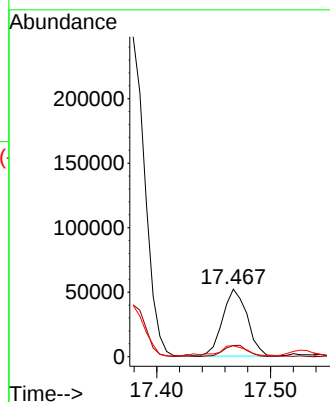
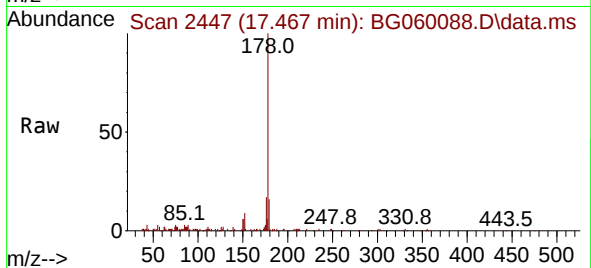
Tgt Ion:178 Resp: 78771

Ion Ratio Lower Upper

178 100

176 16.6 15.0 22.6

179 16.2 12.6 19.0



#75

Fluoranthene

Concen: 12.751 ng

RT: 19.394 min Scan# 2775

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

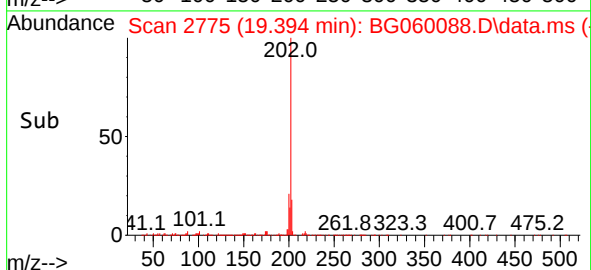
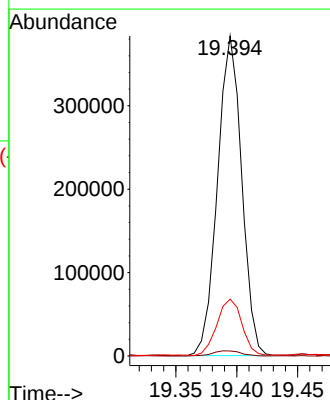
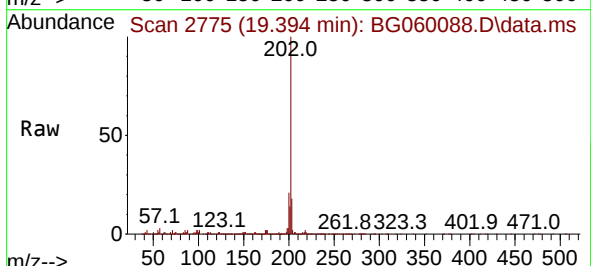
Tgt Ion:202 Resp: 529524

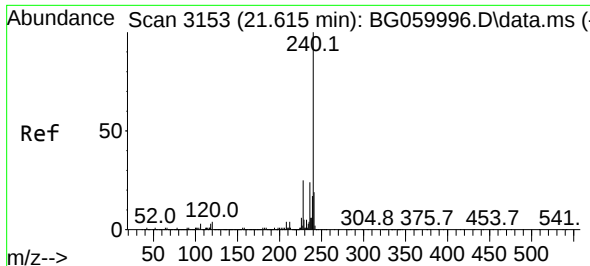
Ion Ratio Lower Upper

202 100

101 1.6 0.0 24.2

203 17.7 0.0 37.6

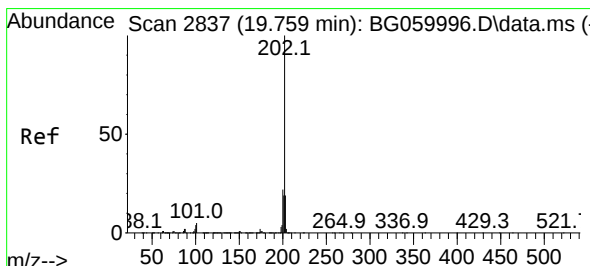
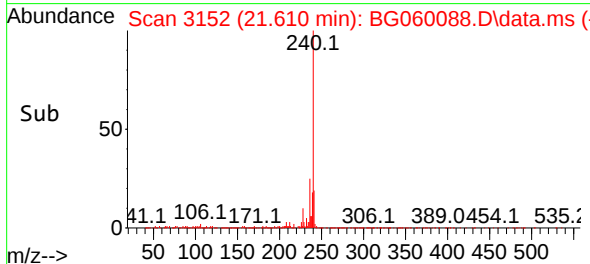
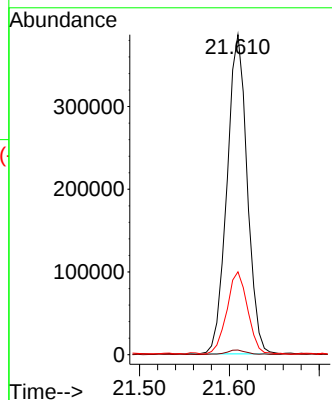
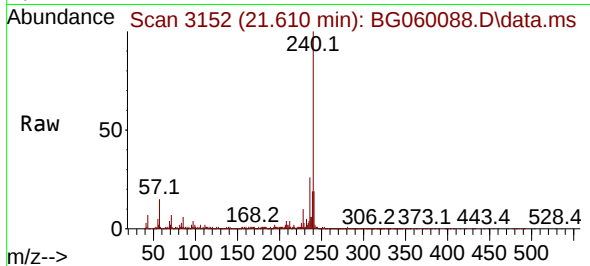




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3153
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

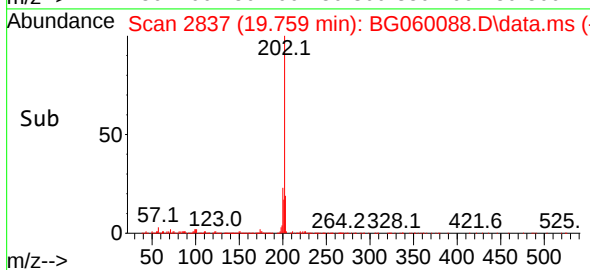
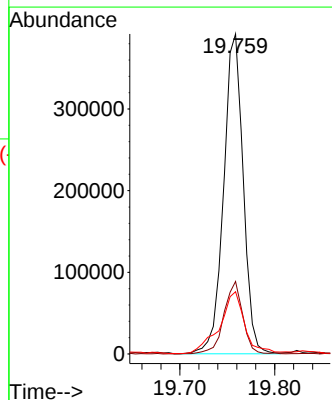
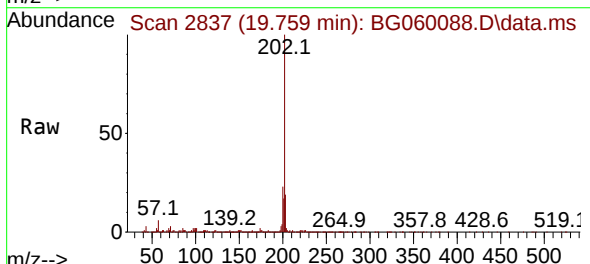
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

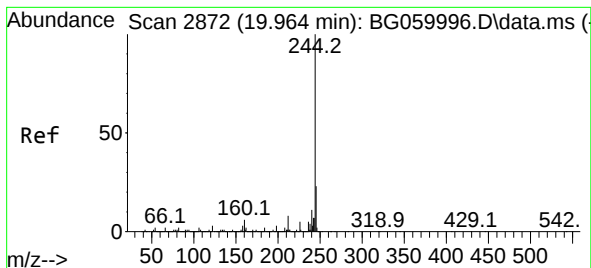
Tgt Ion:240 Resp: 602028
Ion Ratio Lower Upper
240 100
120 1.5 2.9 4.3#
236 25.9 19.4 29.2



#78
Pyrene
Concen: 15.421 ng
RT: 19.759 min Scan# 2837
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:202 Resp: 562776
Ion Ratio Lower Upper
202 100
200 22.7 17.6 26.4
203 19.4 14.9 22.3





#79

Terphenyl-d14

Concen: 27.412 ng

RT: 19.959 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

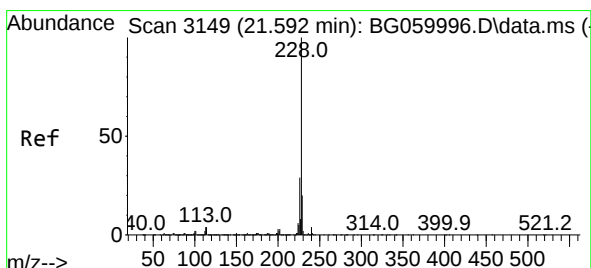
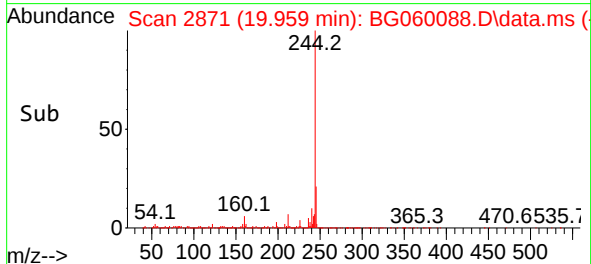
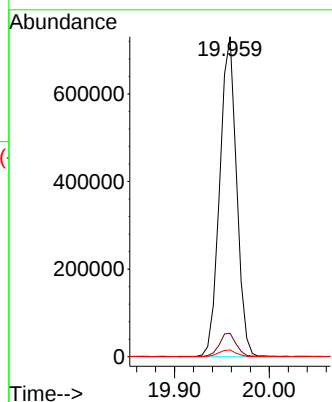
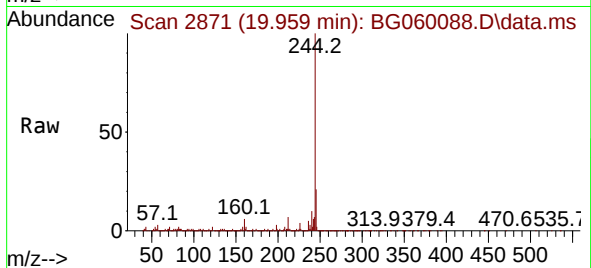
Tgt Ion:244 Resp: 903899

Ion Ratio Lower Upper

244 100

212 7.3 6.8 10.2

122 2.1 2.6 3.8#



#81

Benzo(a)anthracene

Concen: 7.858 ng

RT: 21.586 min Scan# 3148

Delta R.T. -0.015 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

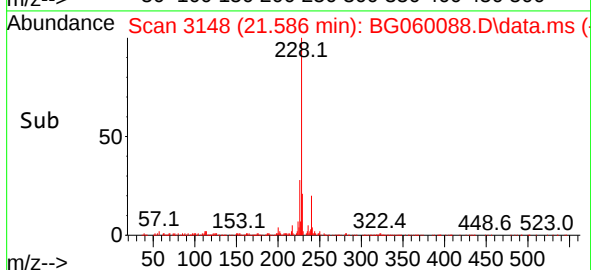
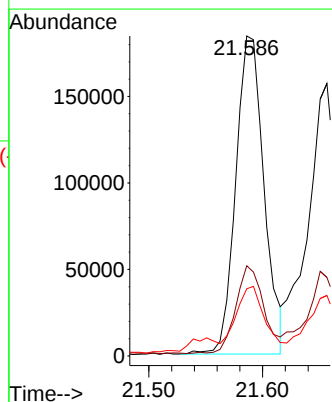
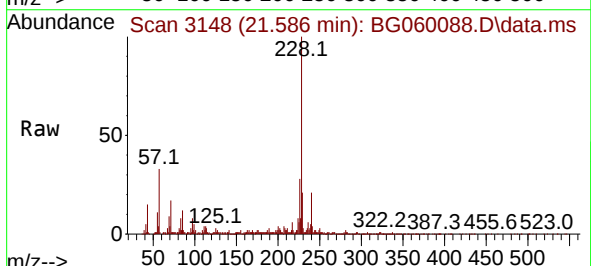
Tgt Ion:228 Resp: 317772

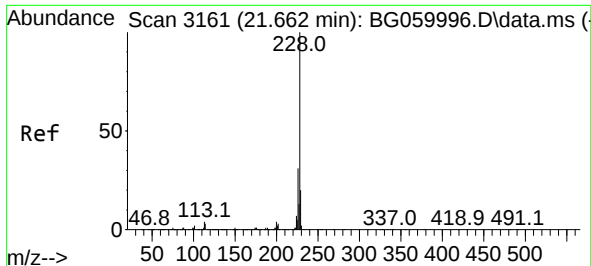
Ion Ratio Lower Upper

228 100

226 28.2 22.9 34.3

229 21.0 16.2 24.2





#83

Chrysene

Concen: 7.394 ng

RT: 21.657 min Scan# 3161

Delta R.T. -0.010 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

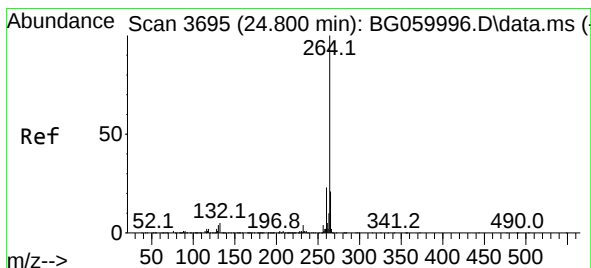
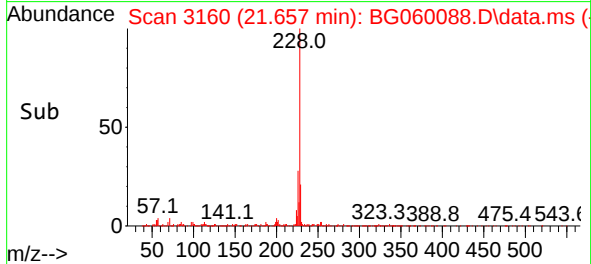
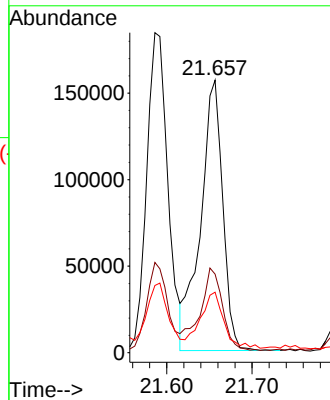
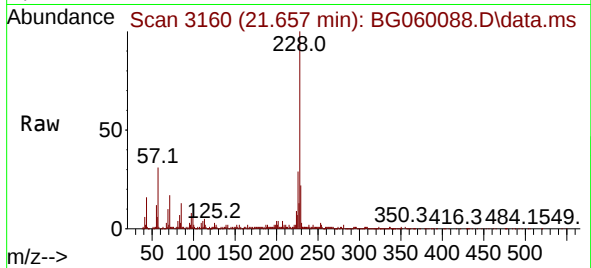
Tgt Ion:228 Resp: 283269

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

229 22.2 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.800 min Scan# 3695

Delta R.T. -0.015 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

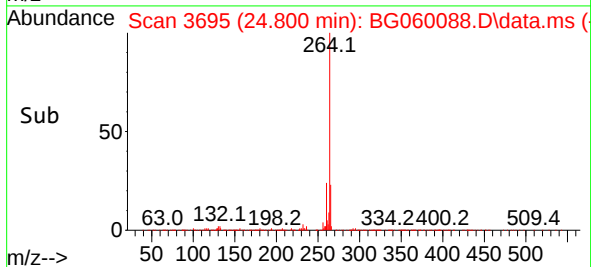
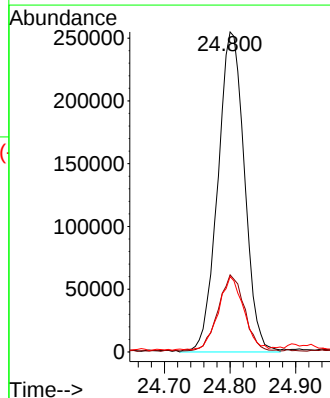
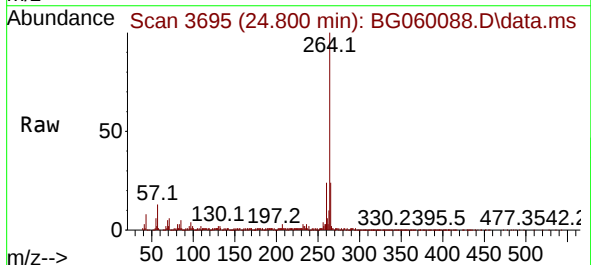
Tgt Ion:264 Resp: 718447

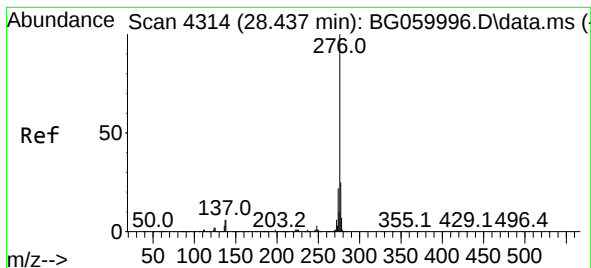
Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 23.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.661 ng

RT: 28.431 min Scan# 41

Delta R.T. -0.027 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

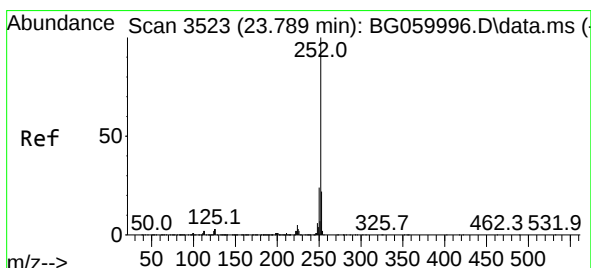
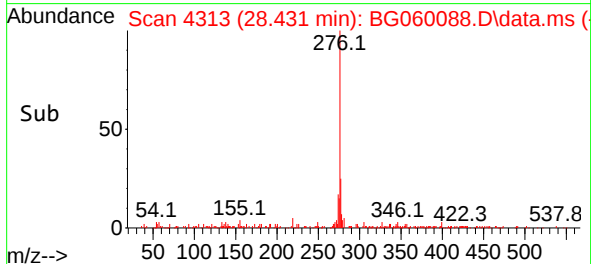
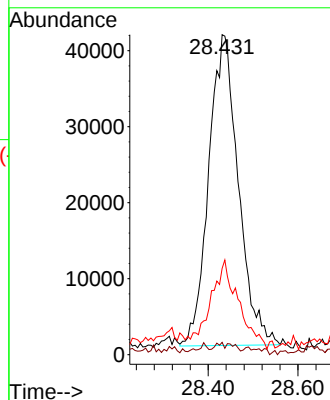
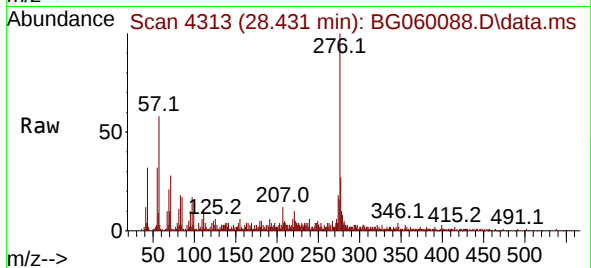
Tgt Ion:276 Resp: 187719

Ion Ratio Lower Upper

276 100

138 0.6 4.7 7.1#

277 27.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 8.127 ng

RT: 23.783 min Scan# 3522

Delta R.T. -0.015 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

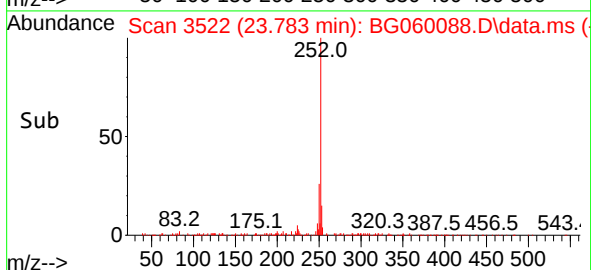
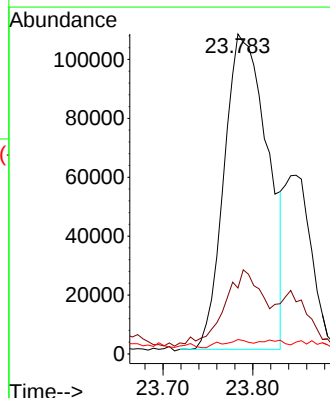
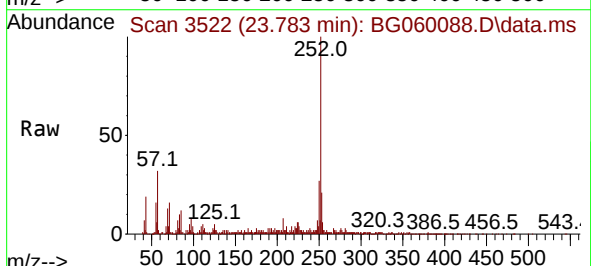
Tgt Ion:252 Resp: 360584

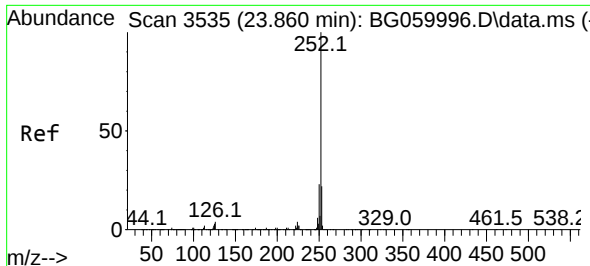
Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

125 4.5 2.6 4.0#

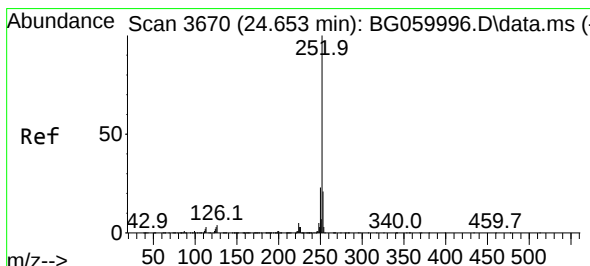
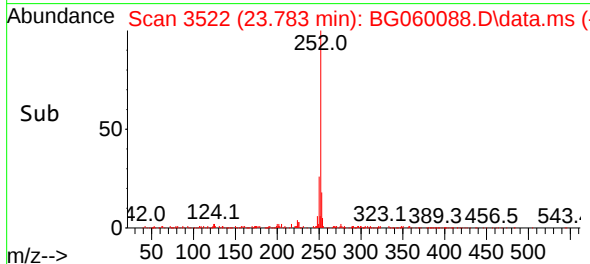
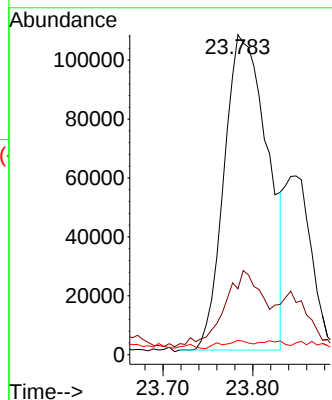
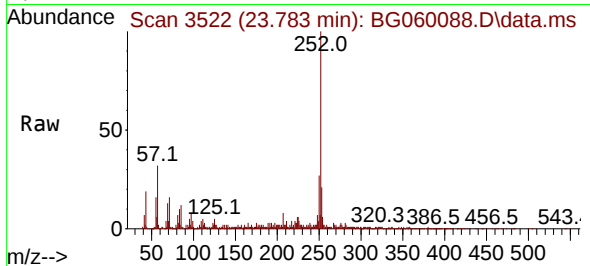




#89
Benzo(k)fluoranthene
Concen: 8.378 ng
RT: 23.783 min Scan# 31
Delta R.T. -0.086 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

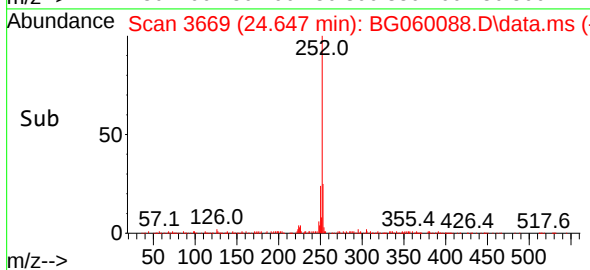
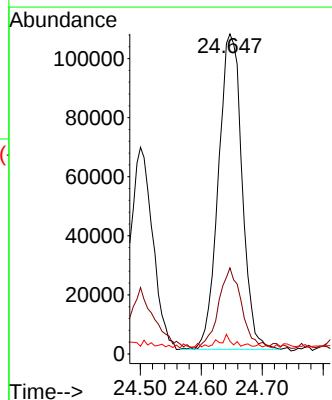
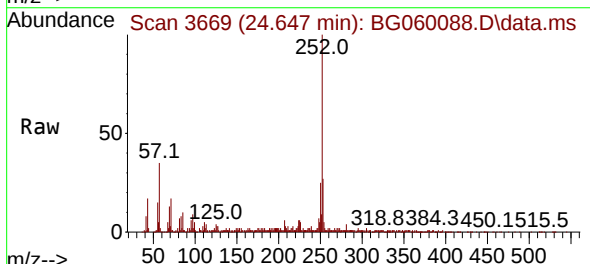
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

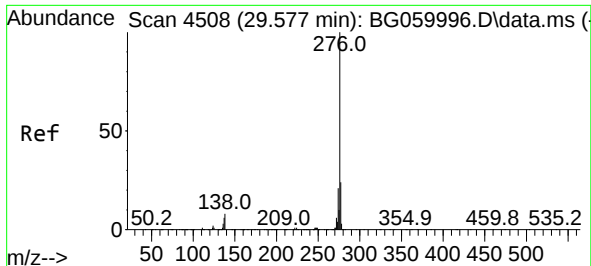
Tgt Ion:252 Resp: 360584
Ion Ratio Lower Upper
252 100
253 20.6 17.8 26.6
125 4.5 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 7.305 ng
RT: 24.647 min Scan# 3669
Delta R.T. -0.015 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:252 Resp: 287187
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 4.0 2.6 4.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.353 ng
 RT: 29.577 min Scan# 4
 Delta R.T. -0.021 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-12122023

Tgt Ion:276 Resp: 185631
 Ion Ratio Lower Upper
 276 100
 277 23.2 19.4 29.2
 138 9.1 6.0 9.0#

