

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
 Data File : BG060207.D
 Acq On : 3 Jan 2024 00:34
 Operator : MA/JU
 Sample : 05899-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 03 01:13:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 30 03:14:04 2023
 Response via : Initial Calibration

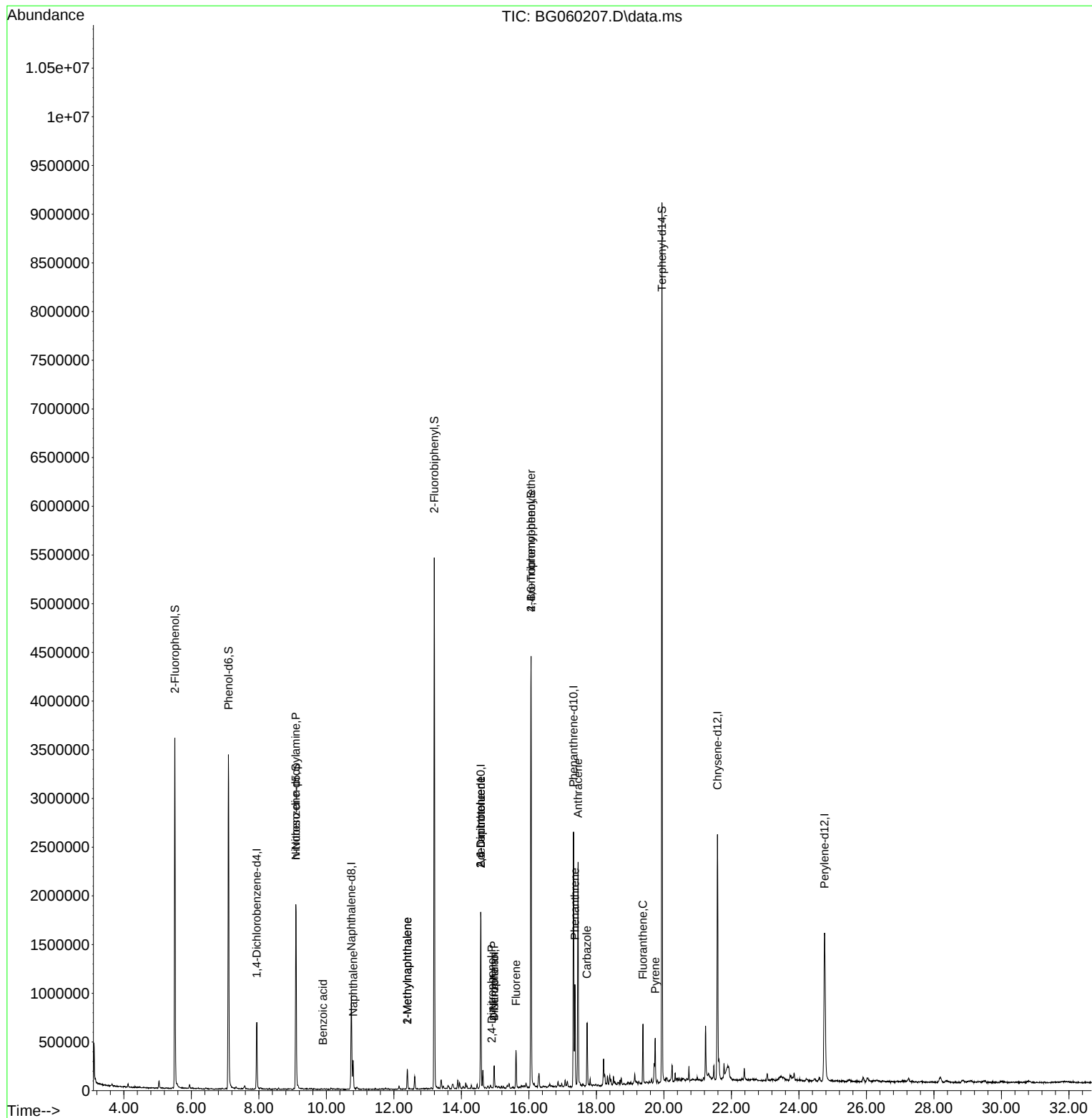
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.939	152	213333	20.000	ng	0.00
21) Naphthalene-d8	10.741	136	853206	20.000	ng	0.00
39) Acenaphthene-d10	14.572	164	664573	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	1693129	20.000	ng	0.00
76) Chrysene-d12	21.588	240	1502508	20.000	ng	0.00
86) Perylene-d12	24.760	264	1700328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.512	112	1720447	121.722	ng	0.00
7) Phenol-d6	7.099	99	2227320	106.134	ng	0.00
23) Nitrobenzene-d5	9.096	82	1294140	70.061	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	918997	103.304	ng	0.00
45) 2-Fluorobiphenyl	13.197	172	2970696	64.245	ng	0.00
79) Terphenyl-d14	19.942	244	4198969	53.727	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.096	70	161865	11.290	ng	Qvalue 87
31) Naphthalene	10.794	128	245503	5.450	ng	98
32) Benzoic acid	9.901	122	156	10.285	ng	97
37) 2-Methylnaphthalene	12.398	142	105219	3.234	ng	95
38) 1-Methylnaphthalene	12.398	142	105219	3.199	ng	87
51) 2,6-Dinitrotoluene	14.572	165	90642	8.493	ng	# 29
54) 2,4-Dinitrophenol	14.895	184	68	8.246	ng	# 1
55) Dibenzofuran	14.972	168	159962	2.550	ng	97
56) 4-Nitrophenol	14.972	139	44690	5.879	ng	# 6
57) 2,4-Dinitrotoluene	14.572	165	90642	6.246	ng	# 26
58) Fluorene	15.618	166	171089	3.325	ng	96
67) 4-Bromophenyl-phenylether	16.065	248	55922	3.115	ng	# 1
71) Phenanthrene	17.363	178	687463	8.214	ng	94
72) Anthracene	17.457	178	1563025	18.802	ng	96
73) Carbazole	17.721	167	499275	6.332	ng	95
75) Fluoranthene	19.378	202	377617	3.847	ng	93
78) Pyrene	19.743	202	290186	2.873	ng	# 88

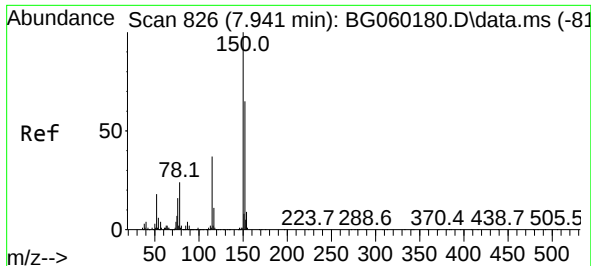
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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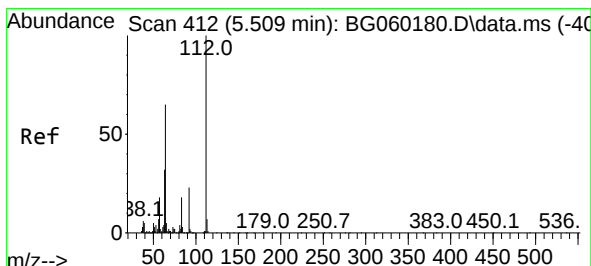
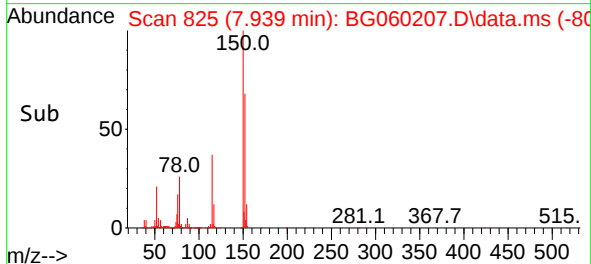
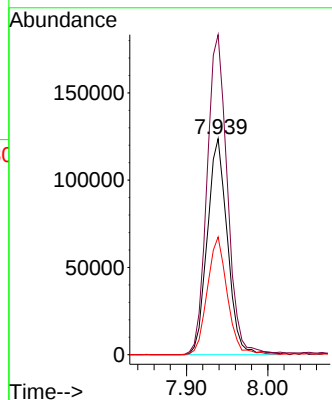
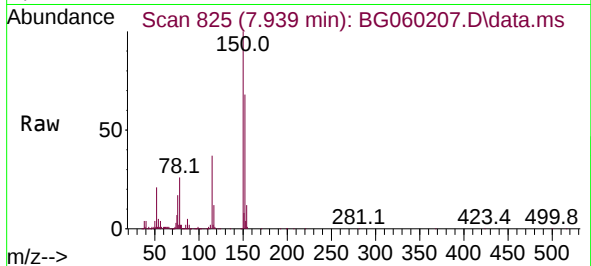




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

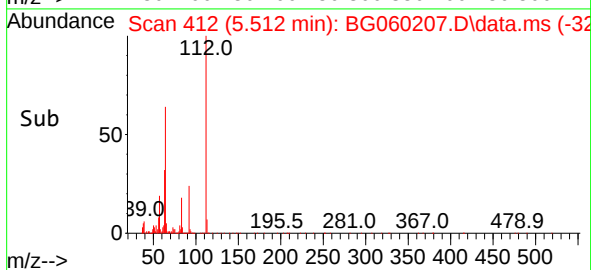
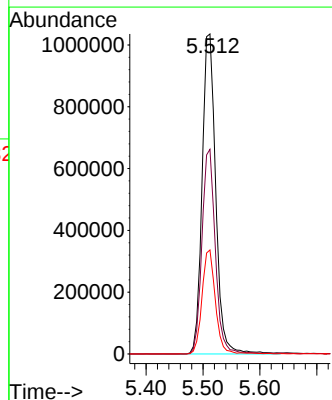
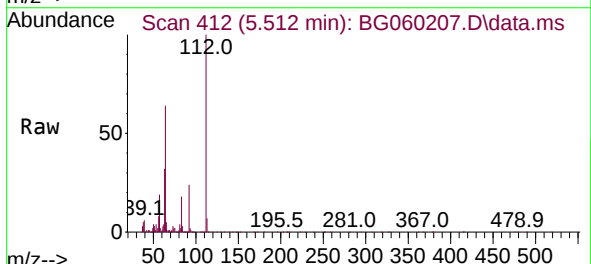
Instrument :
BNA_G
ClientSampleId :

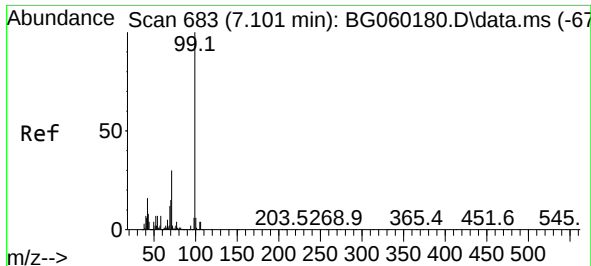
Tgt Ion:152 Resp: 213333
Ion Ratio Lower Upper
152 100
150 148.1 123.4 185.0
115 54.5 45.4 68.0



#5
2-Fluorophenol
Concen: 121.722 ng
RT: 5.512 min Scan# 412
Delta R.T. 0.004 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

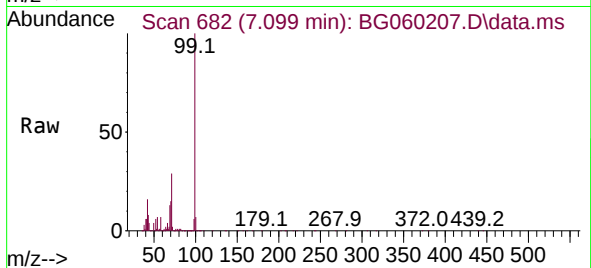
Tgt Ion:112 Resp: 1720447
Ion Ratio Lower Upper
112 100
64 63.9 52.2 78.4
63 32.5 25.4 38.0





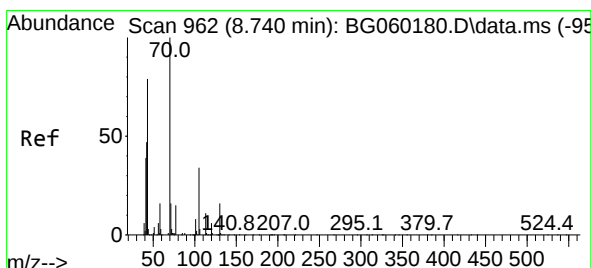
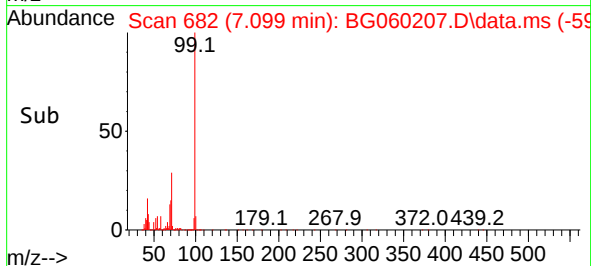
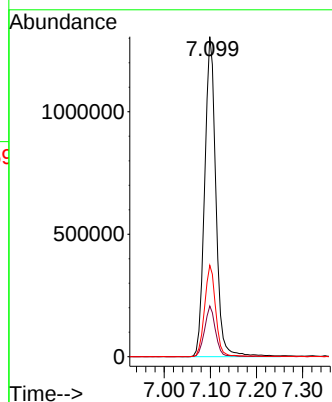
#7
Phenol-d6
Concen: 106.134 ng
RT: 7.099 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Instrument :
BNA_G
ClientSampleId :



Tgt Ion: 99 Resp: 2227320

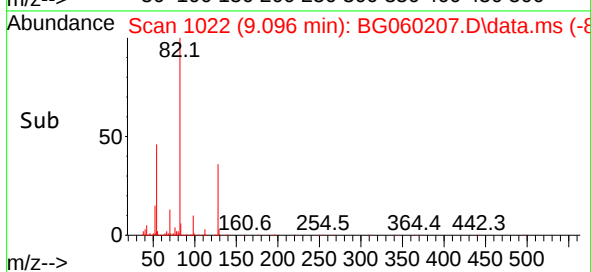
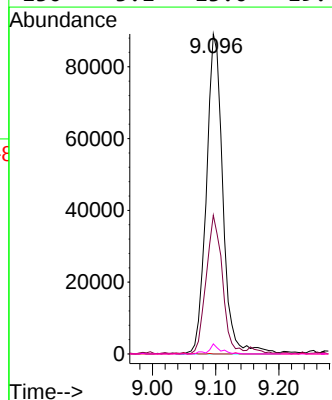
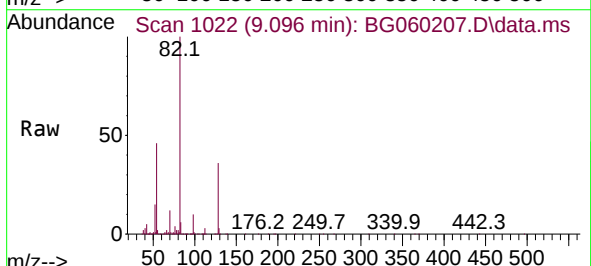
Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.5	18.7
71	28.6	24.1	36.1

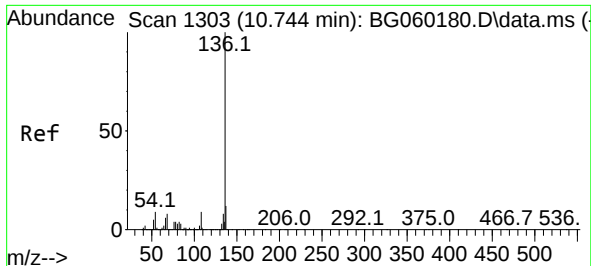


#19
n-Nitroso-di-n-propylamine
Concen: 11.290 ng
RT: 9.096 min Scan# 1022
Delta R.T. 0.356 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion: 70 Resp: 161865

Ion	Ratio	Lower	Upper
70	100		
42	43.4	37.9	56.9
101	0.0	6.2	9.2#
130	3.1	13.0	19.4#

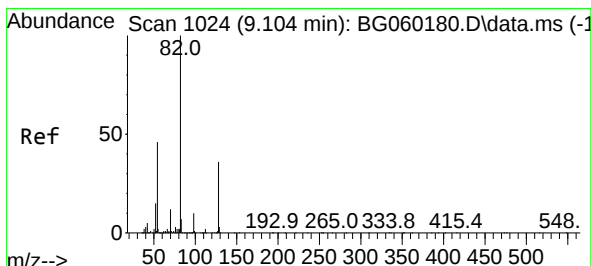
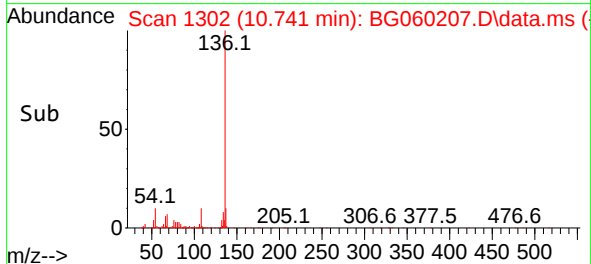
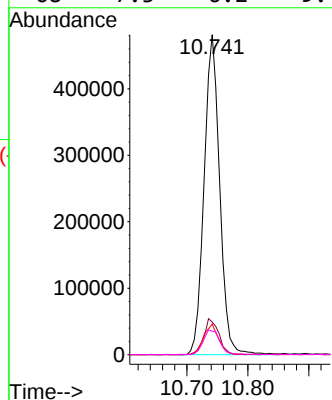
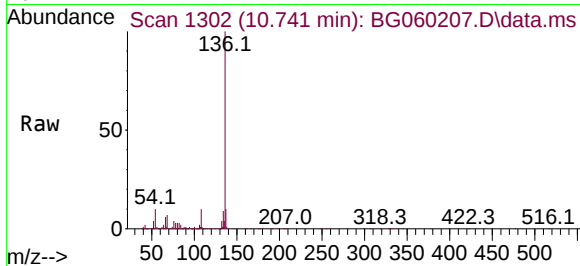




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.741 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

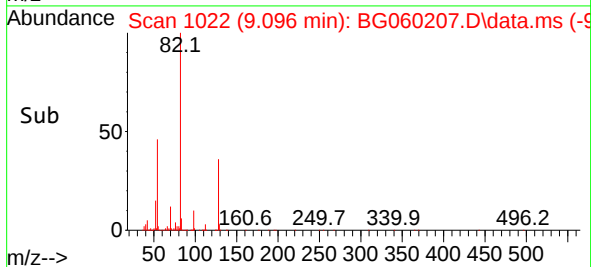
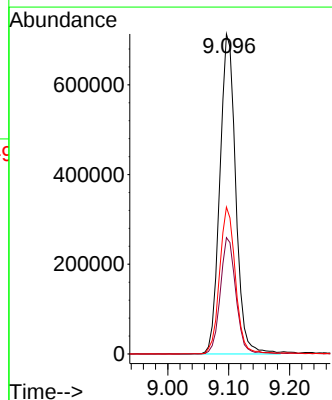
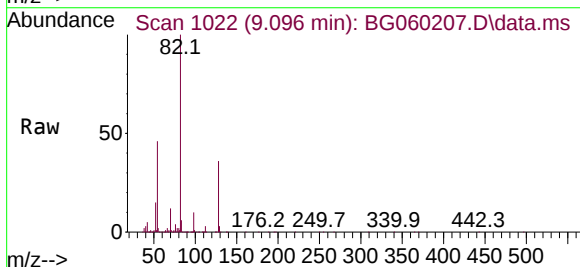
Instrument :
BNA_G
ClientSampleId :

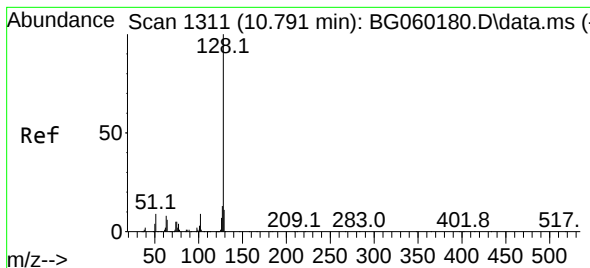
Tgt Ion:136 Resp: 853206
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.0
54 9.6 7.4 11.2
68 7.3 6.2 9.4



#23
Nitrobenzene-d5
Concen: 70.061 ng
RT: 9.096 min Scan# 1022
Delta R.T. -0.008 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion: 82 Resp: 1294140
Ion Ratio Lower Upper
82 100
128 36.4 28.7 43.1
54 45.9 36.9 55.3





#31

Naphthalene

Concen: 5.450 ng

RT: 10.794 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

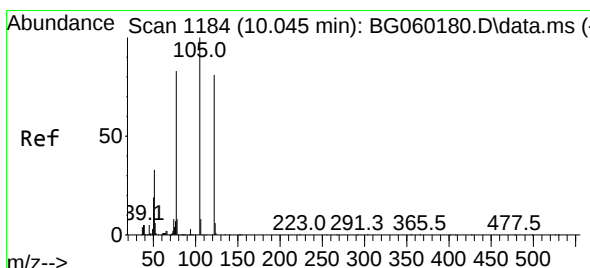
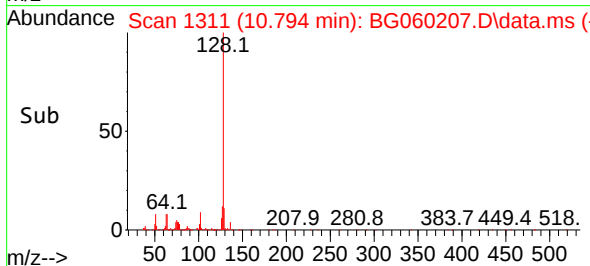
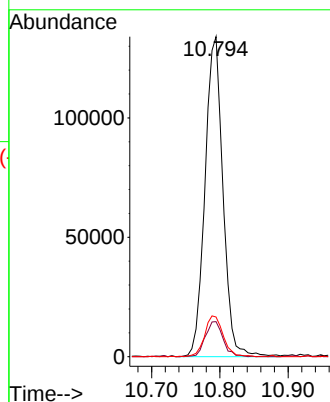
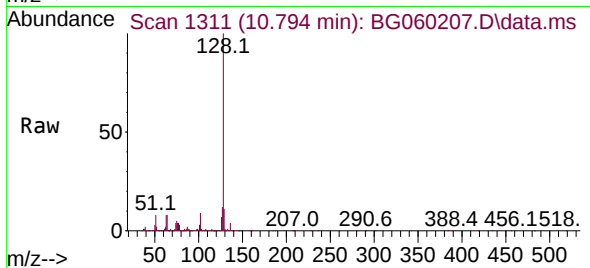
Tgt Ion:128 Resp: 245503

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

127 12.4 10.6 16.0



#32

Benzoic acid

Concen: 10.285 ng

RT: 9.901 min Scan# 1159

Delta R.T. -0.144 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

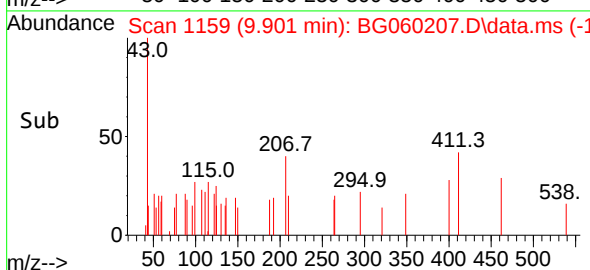
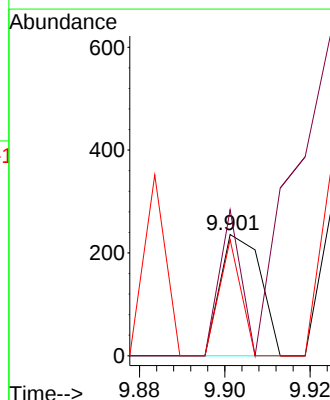
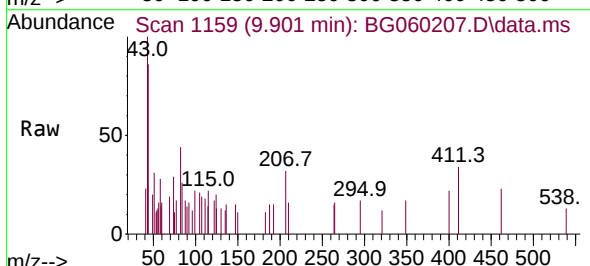
Tgt Ion:122 Resp: 156

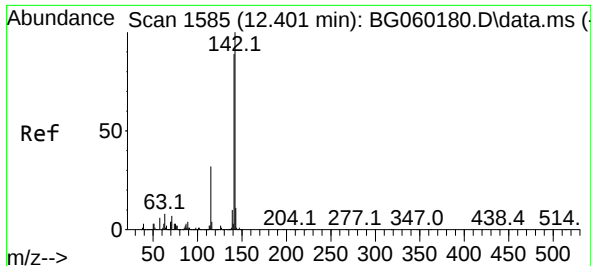
Ion Ratio Lower Upper

122 100

105 120.3 99.2 139.2

77 95.8 81.0 121.0

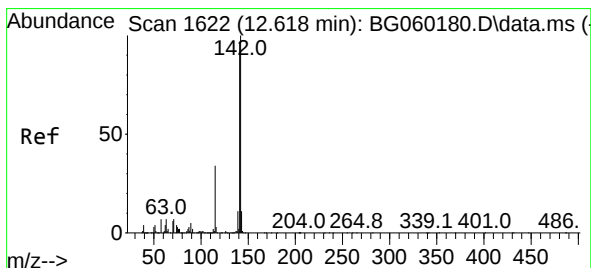
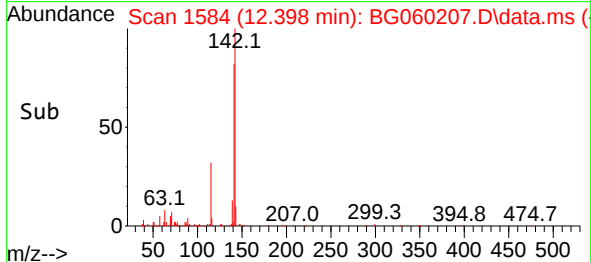
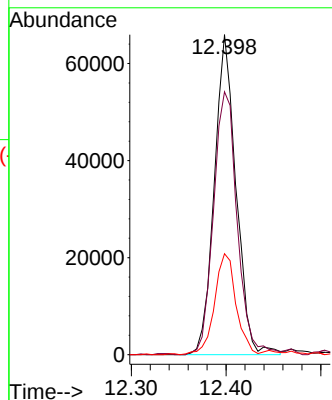
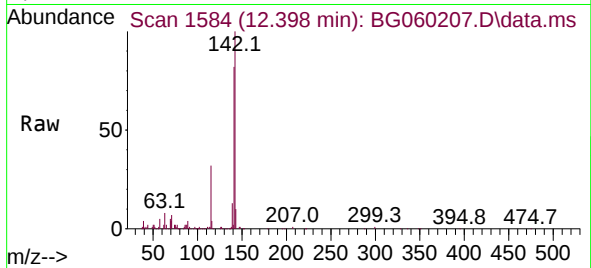




#37
2-Methylnaphthalene
Concen: 3.234 ng
RT: 12.398 min Scan# 1584
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

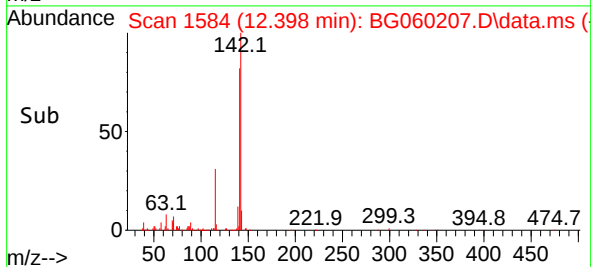
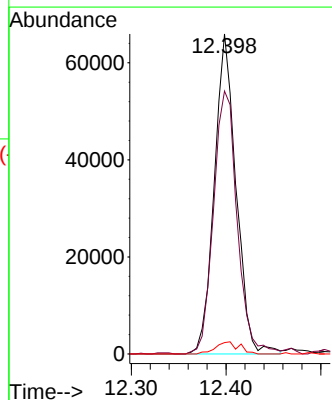
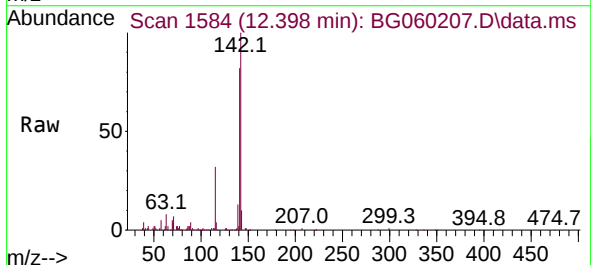
Instrument :
BNA_G
ClientSampleId :

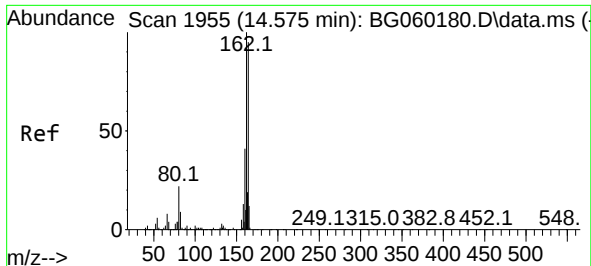
Tgt Ion:142 Resp: 105219
Ion Ratio Lower Upper
142 100
141 82.2 71.1 106.7
115 31.6 25.5 38.3



#38
1-Methylnaphthalene
Concen: 3.199 ng
RT: 12.398 min Scan# 1584
Delta R.T. -0.220 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:142 Resp: 105219
Ion Ratio Lower Upper
142 100
141 82.2 76.6 114.8
116 3.6 2.6 3.8

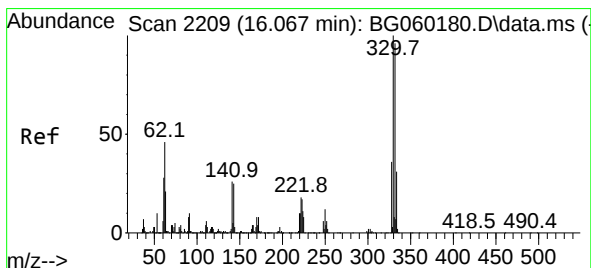
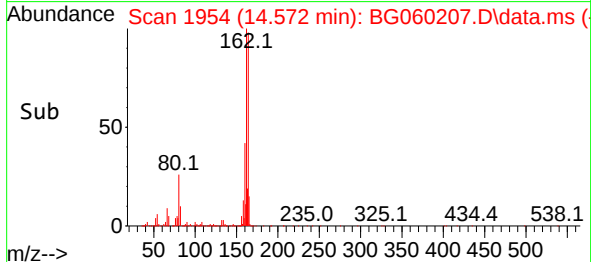
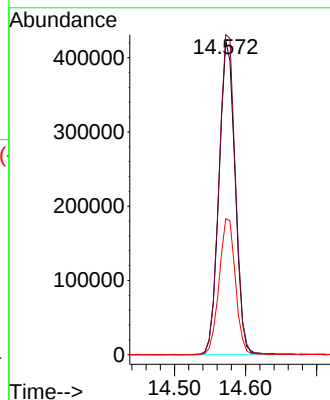
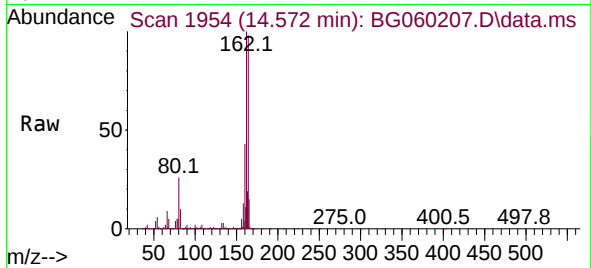




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.572 min Scan# 1954
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

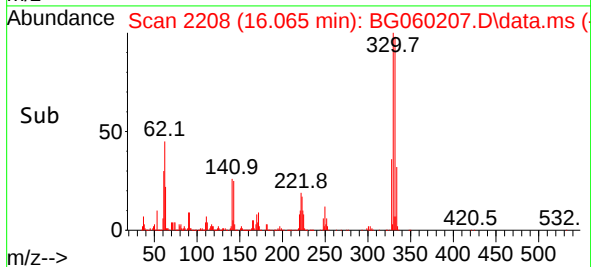
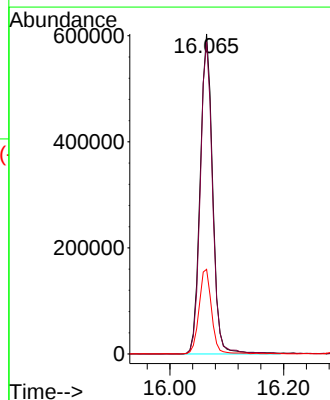
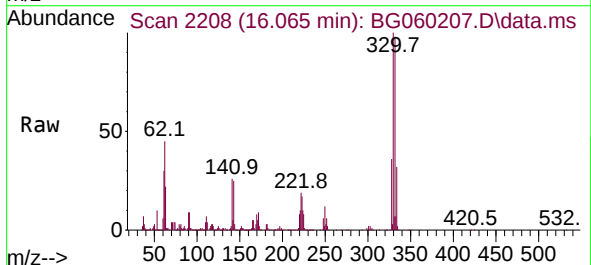
Instrument :
BNA_G
ClientSampleId :

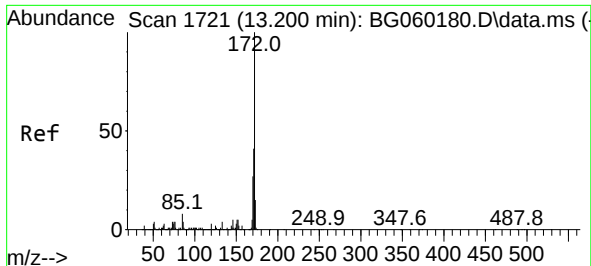
Tgt Ion:164 Resp: 664573
Ion Ratio Lower Upper
164 100
162 102.1 83.9 125.9
160 43.4 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 103.304 ng
RT: 16.065 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

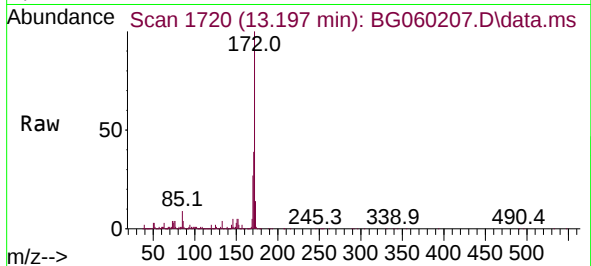
Tgt Ion:330 Resp: 918997
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 26.9 21.0 31.4



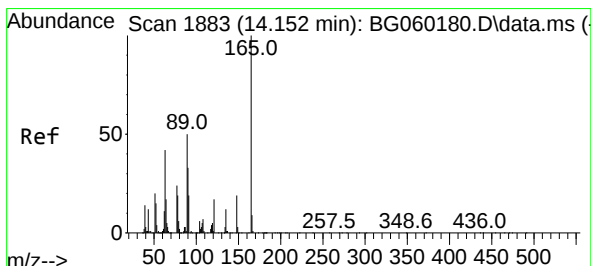
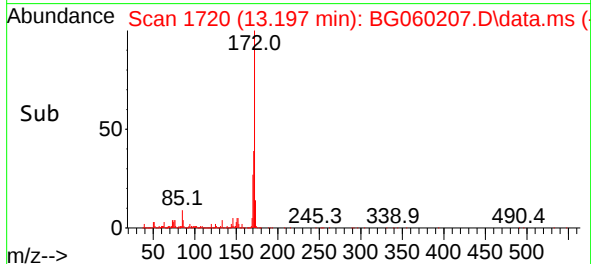
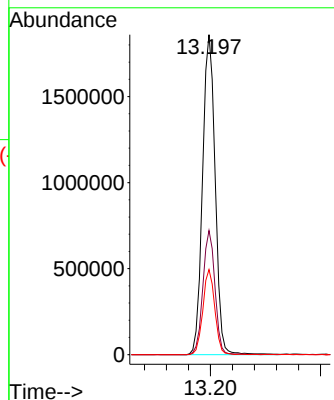


#45
2-Fluorobiphenyl
Concen: 64.245 ng
RT: 13.197 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Instrument :
BNA_G
ClientSampleId :

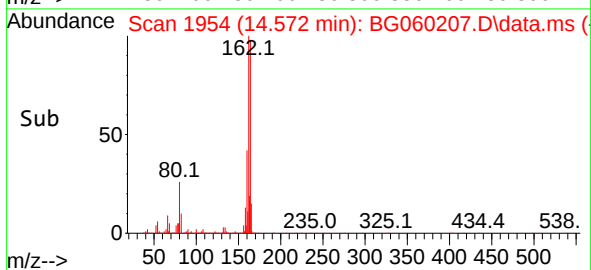
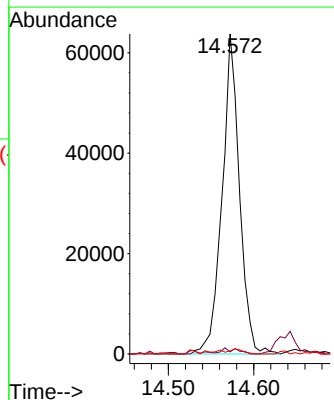
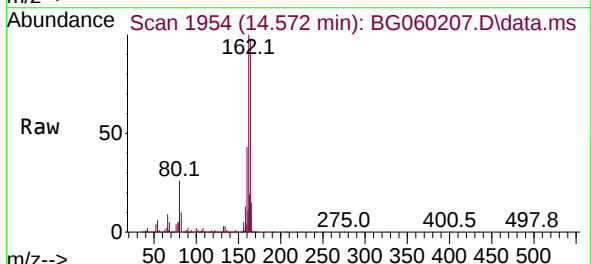


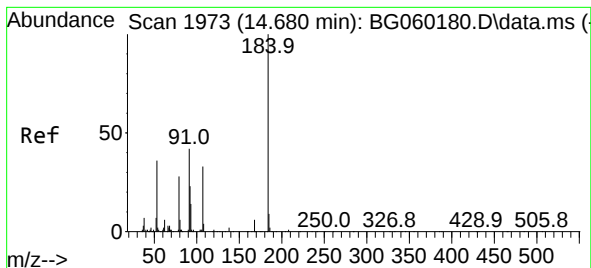
Tgt Ion:172 Resp: 2970696
Ion Ratio Lower Upper
172 100
171 38.8 32.6 48.8
170 26.6 21.8 32.6



#51
2,6-Dinitrotoluene
Concen: 8.493 ng
RT: 14.572 min Scan# 1954
Delta R.T. 0.421 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:165 Resp: 90642
Ion Ratio Lower Upper
165 100
63 0.7 39.3 58.9#
89 0.9 39.8 59.8#

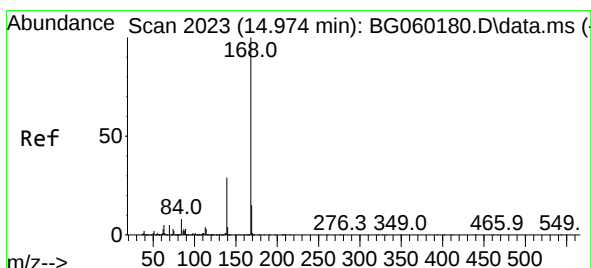
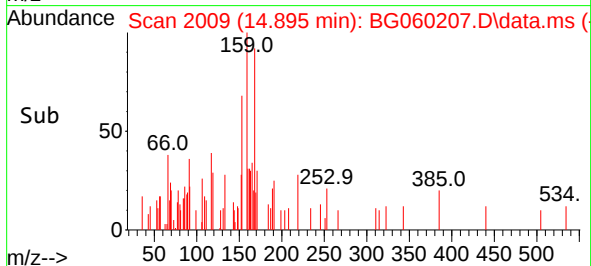
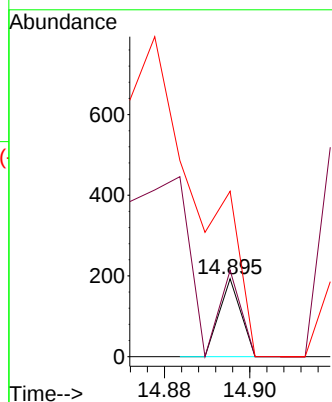
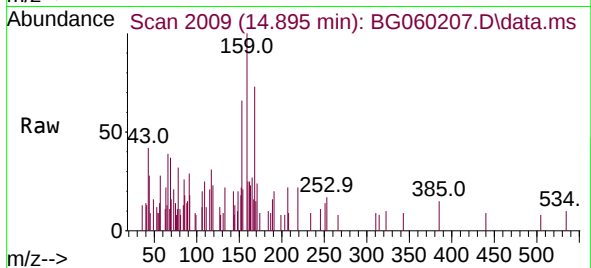




#54
2,4-Dinitrophenol
Concen: 8.246 ng
RT: 14.895 min Scan# 20
Delta R.T. 0.215 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

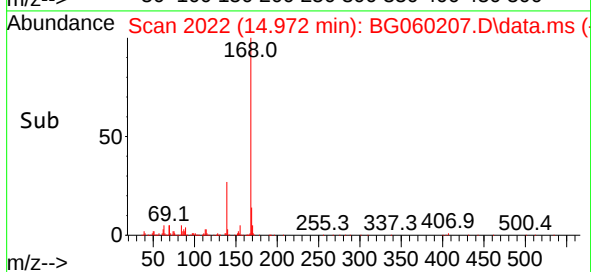
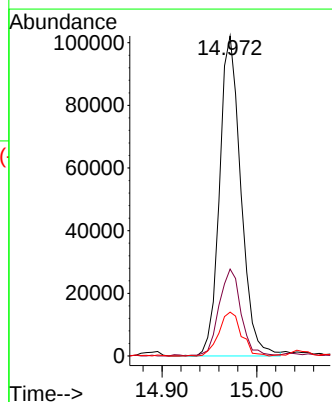
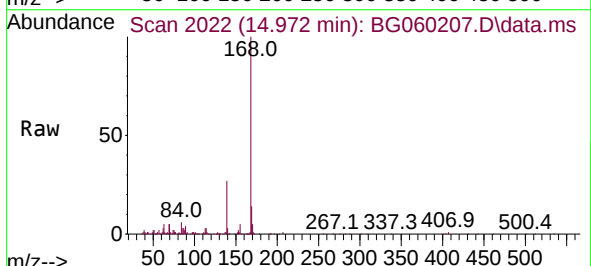
Instrument :
BNA_G
ClientSampleId :

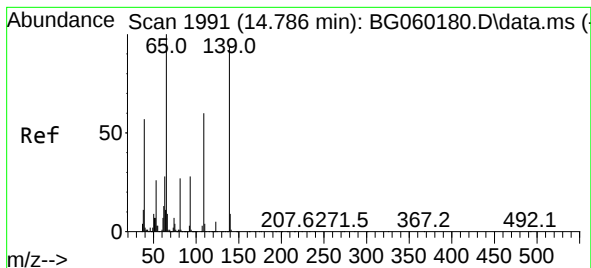
Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 331.6 45.4 68.2#
154 212.4 40.0 60.0#



#55
Dibenzofuran
Concen: 2.550 ng
RT: 14.972 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:168 Resp: 159962
Ion Ratio Lower Upper
168 100
139 27.2 23.1 34.7
169 13.7 11.9 17.9

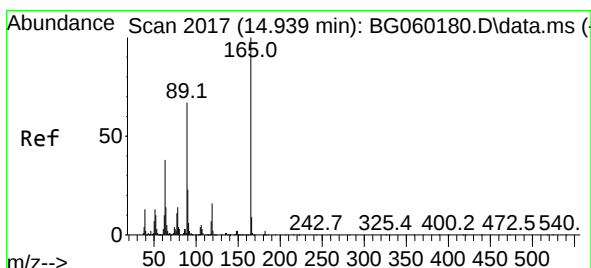
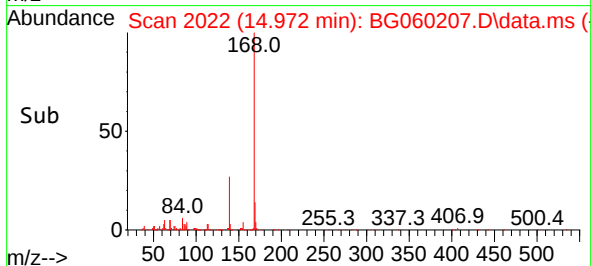
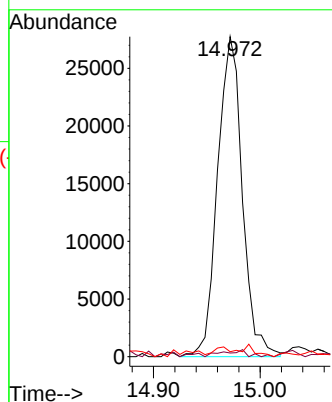
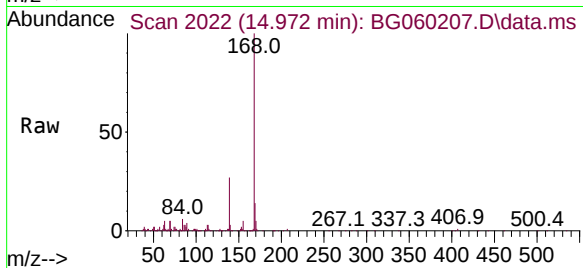




#56
4-Nitrophenol
Concen: 5.879 ng
RT: 14.972 min Scan# 20
Delta R.T. 0.186 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

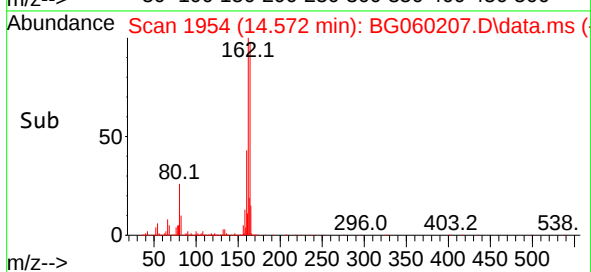
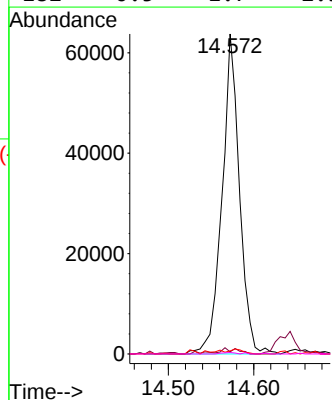
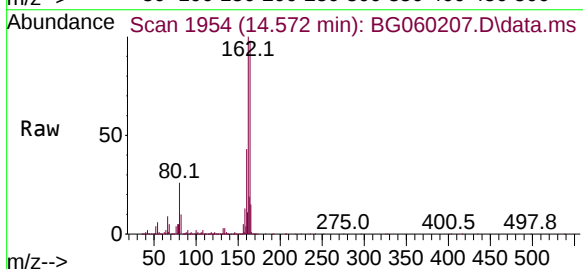
Instrument :
BNA_G
ClientSampleId :

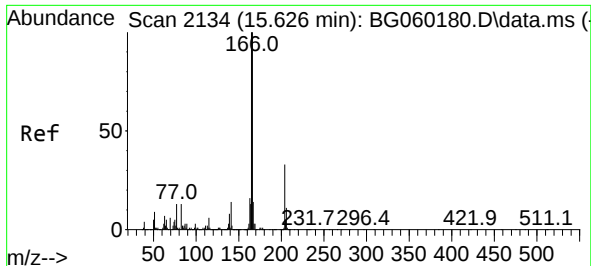
Tgt Ion:139 Resp: 44690
Ion Ratio Lower Upper
139 100
109 1.1 44.4 84.4#
65 1.6 87.4 127.4#



#57
2,4-Dinitrotoluene
Concen: 6.246 ng
RT: 14.572 min Scan# 1954
Delta R.T. -0.367 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:165 Resp: 90642
Ion Ratio Lower Upper
165 100
63 0.7 31.0 46.6#
89 0.9 53.3 79.9#
182 0.5 1.7 2.5#

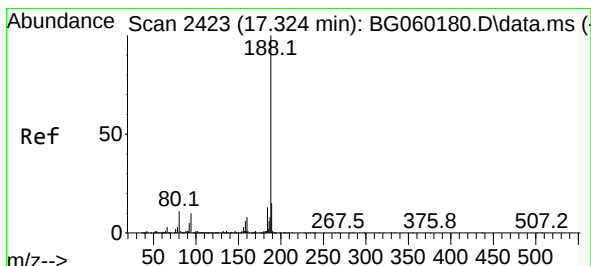
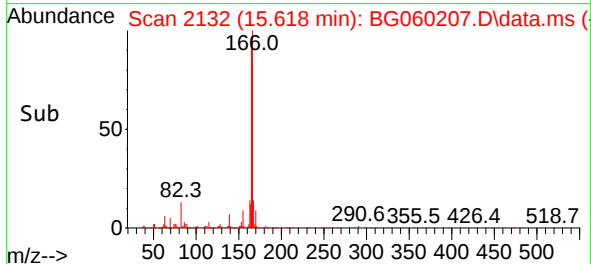
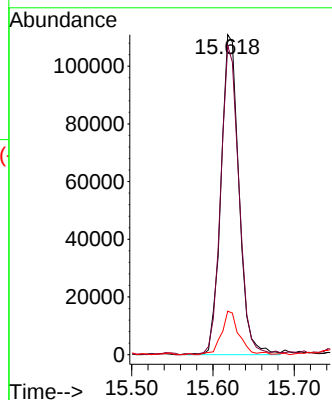
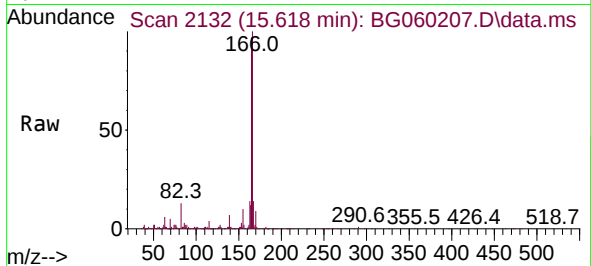




#58
 Fluorene
 Concen: 3.325 ng
 RT: 15.618 min Scan# 2134
 Delta R.T. -0.008 min
 Lab File: BG060207.D
 Acq: 3 Jan 2024 00:34

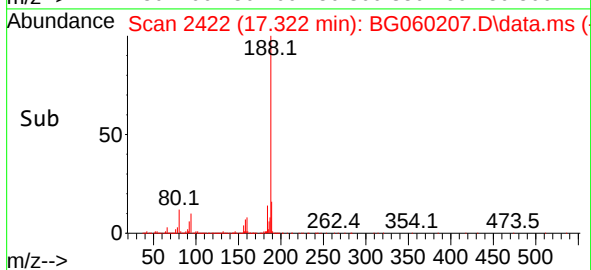
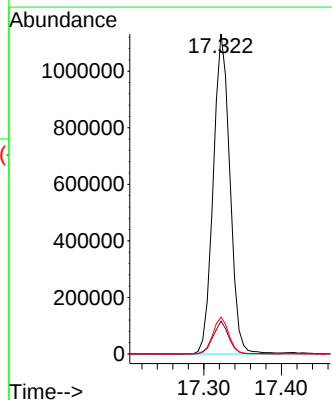
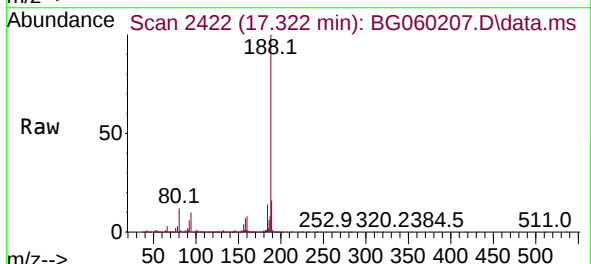
Instrument :
 BNA_G
 ClientSampleId :

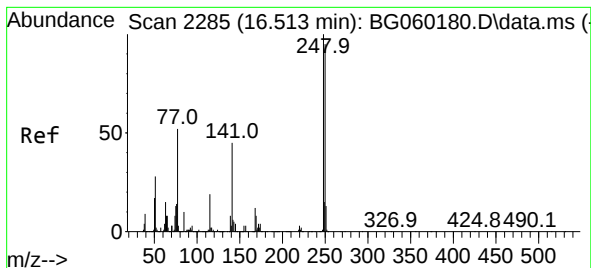
Tgt Ion:166 Resp: 171089
 Ion Ratio Lower Upper
 166 100
 165 96.6 80.4 120.6
 167 13.6 11.3 16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.322 min Scan# 2422
 Delta R.T. -0.002 min
 Lab File: BG060207.D
 Acq: 3 Jan 2024 00:34

Tgt Ion:188 Resp: 1693129
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.8 11.6
 80 11.5 8.6 13.0

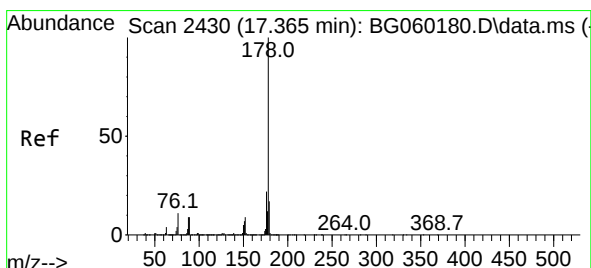
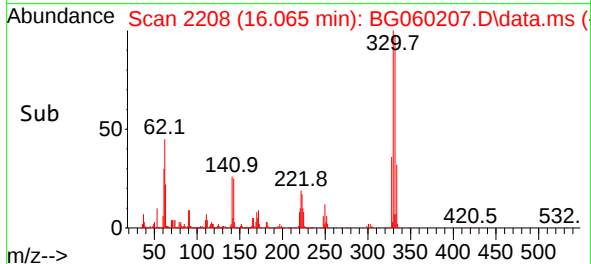
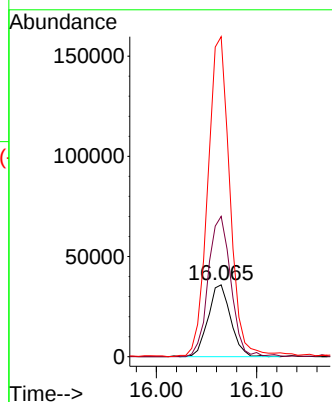
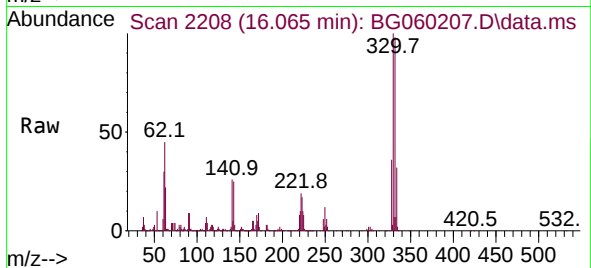




#67
4-Bromophenyl-phenylether
Concen: 3.115 ng
RT: 16.065 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

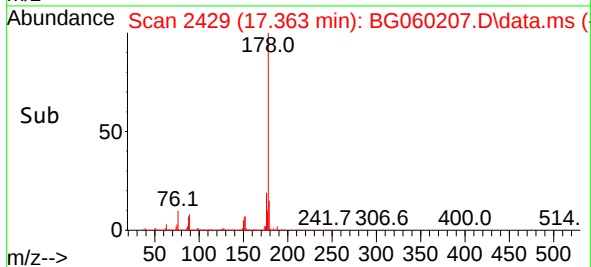
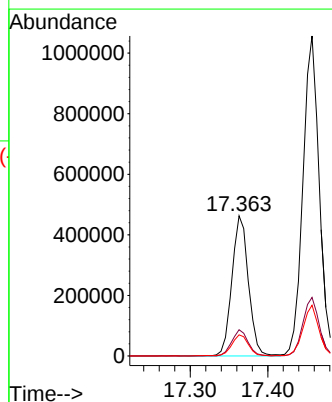
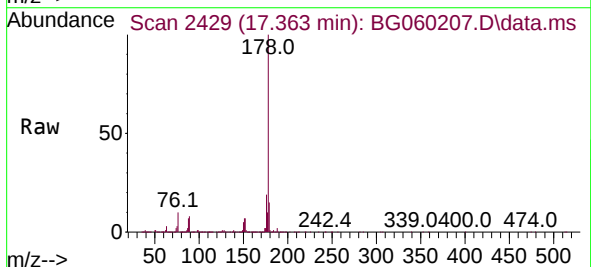
Instrument :
BNA_G
ClientSampleId :

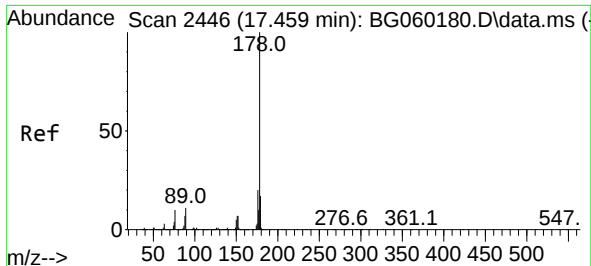
Tgt Ion:248 Resp: 55922
Ion Ratio Lower Upper
248 100
250 249.6 76.2 114.4#
141 445.5 36.0 54.0#



#71
Phenanthrene
Concen: 8.214 ng
RT: 17.363 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:178 Resp: 687463
Ion Ratio Lower Upper
178 100
176 18.7 17.5 26.3
179 15.1 13.8 20.8

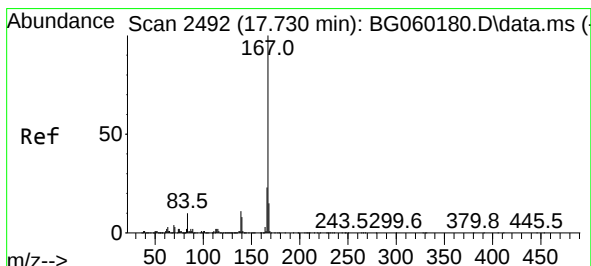
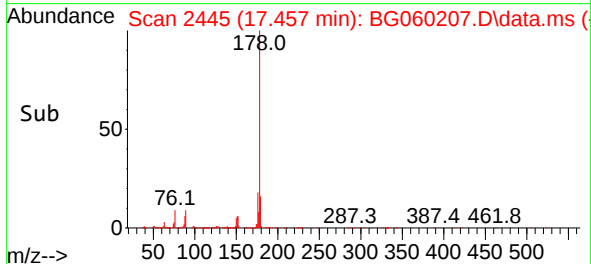
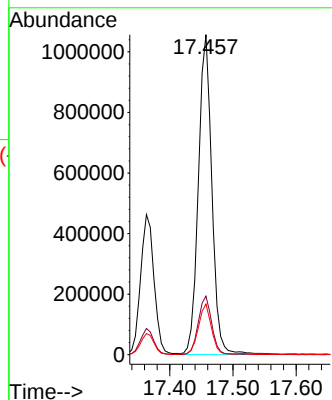
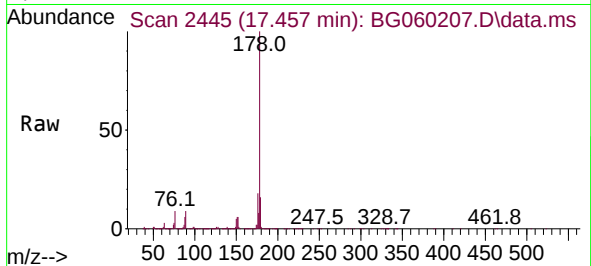




#72
Anthracene
Concen: 18.802 ng
RT: 17.457 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

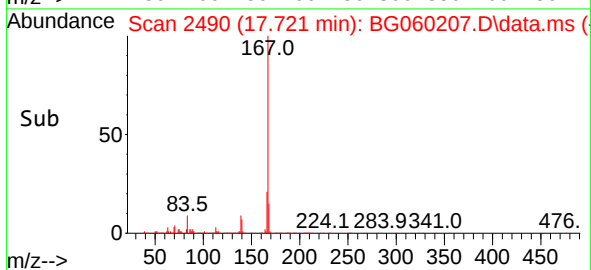
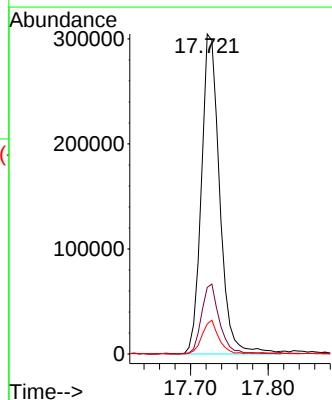
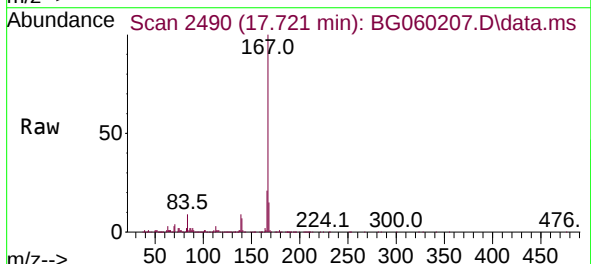
Instrument :
BNA_G
ClientSampleId :

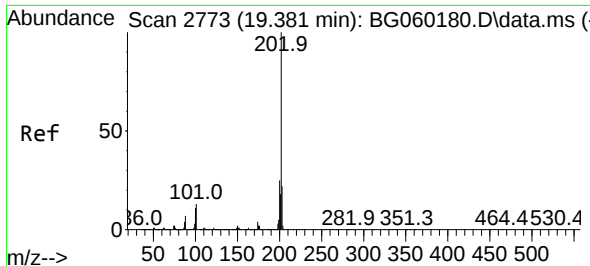
Tgt Ion:178 Resp: 1563025
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.2
179 15.8 14.0 21.0



#73
Carbazole
Concen: 6.332 ng
RT: 17.721 min Scan# 2490
Delta R.T. -0.008 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:167 Resp: 499275
Ion Ratio Lower Upper
167 100
166 20.8 18.8 28.2
139 9.4 8.8 13.2

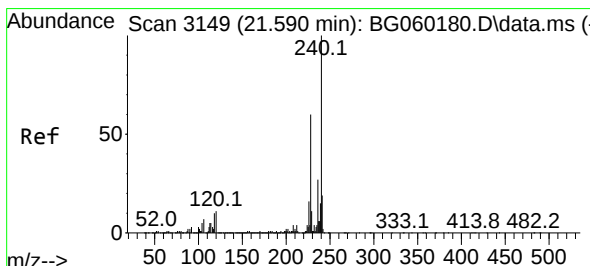
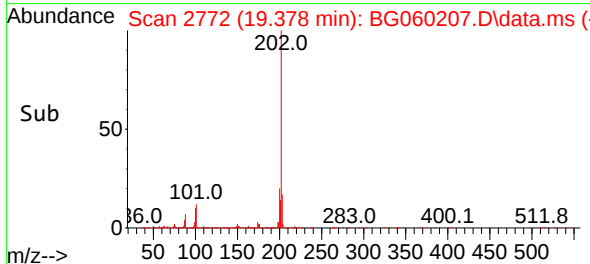
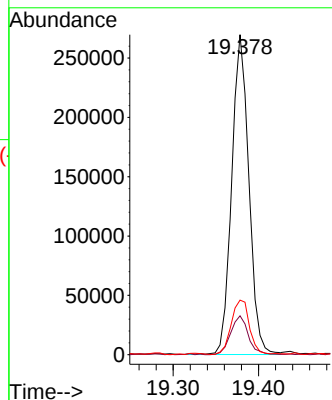
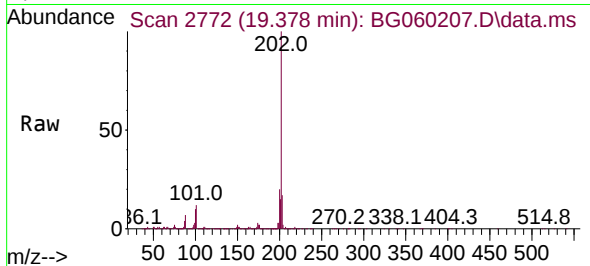




#75
Fluoranthene
Concen: 3.847 ng
RT: 19.378 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

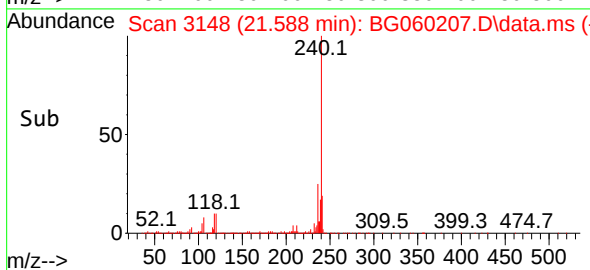
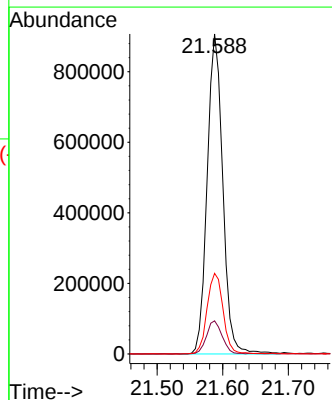
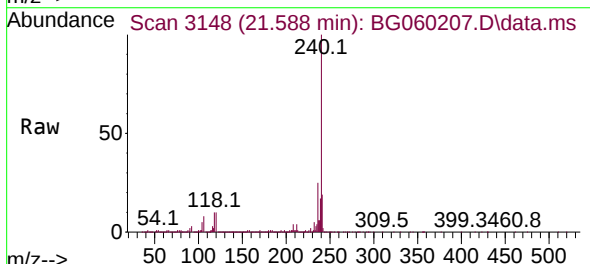
Instrument :
BNA_G
ClientSampleId :

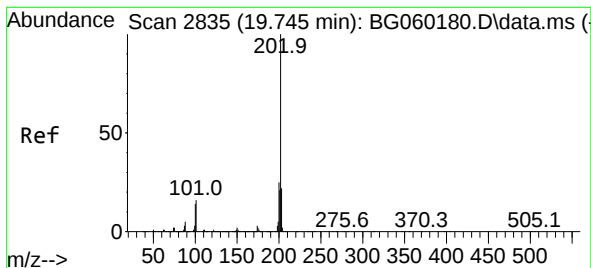
Tgt Ion:202 Resp: 377617
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.8
203 17.0 2.0 42.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.588 min Scan# 3148
Delta R.T. -0.002 min
Lab File: BG060207.D
Acq: 3 Jan 2024 00:34

Tgt Ion:240 Resp: 1502508
Ion Ratio Lower Upper
240 100
120 10.3 8.5 12.7
236 25.2 21.4 32.2





#78

Pyrene

Concen: 2.873 ng

RT: 19.743 min Scan# 2835

Delta R.T. -0.002 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

Instrument :

BNA_G

ClientSampleId :

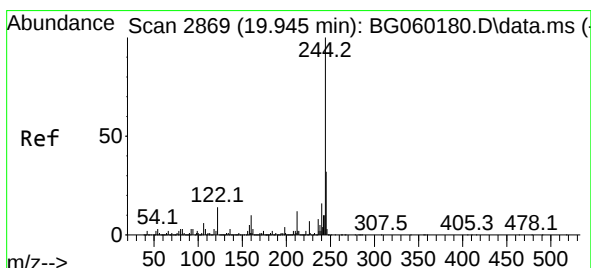
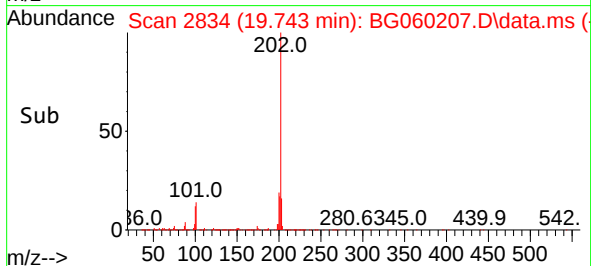
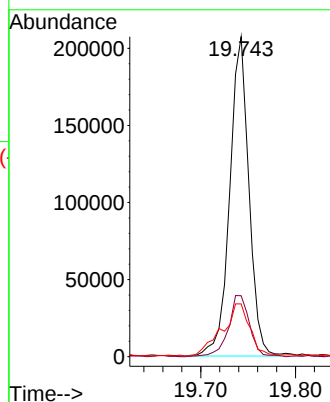
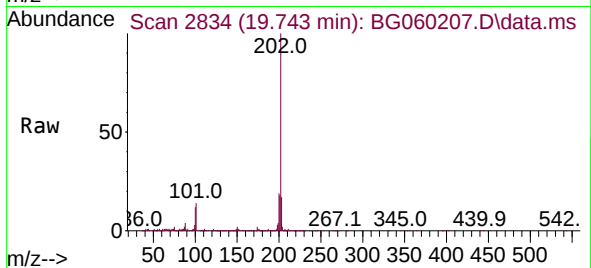
Tgt Ion:202 Resp: 290186

Ion Ratio Lower Upper

202 100

200 19.0 20.3 30.5#

203 16.5 17.8 26.6#



#79

Terphenyl-d14

Concen: 53.727 ng

RT: 19.942 min Scan# 2868

Delta R.T. -0.003 min

Lab File: BG060207.D

Acq: 3 Jan 2024 00:34

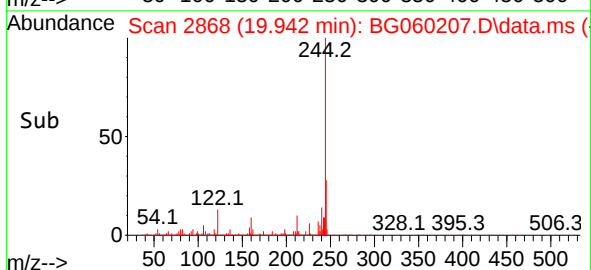
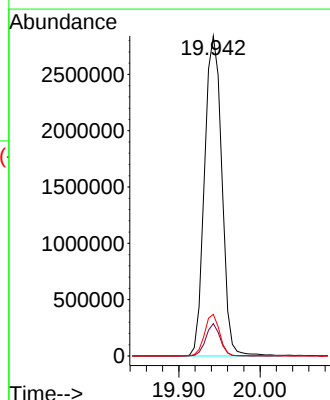
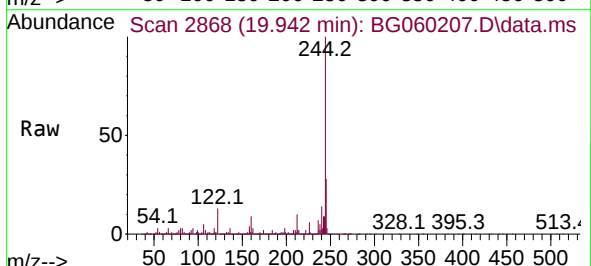
Tgt Ion:244 Resp: 4198969

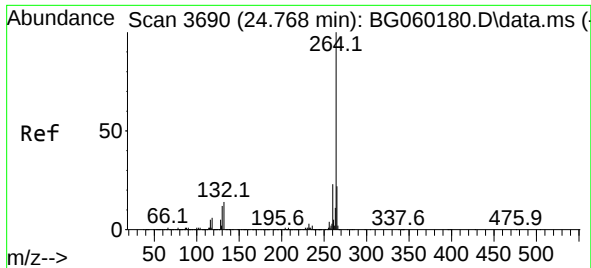
Ion Ratio Lower Upper

244 100

212 10.1 9.5 14.3

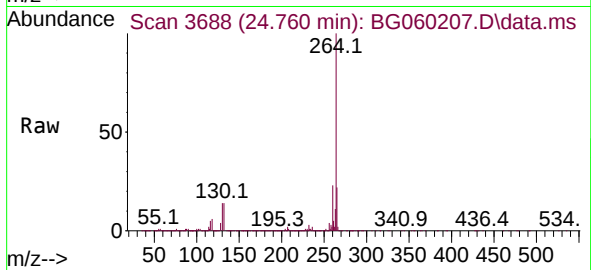
122 13.0 11.4 17.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.760 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG060207.D
 Acq: 3 Jan 2024 00:34

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 1700328
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.0 27.0
 265 22.1 17.4 26.0

