

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060960.D
 Acq On : 19 Apr 2024 15:33
 Operator : MA/JU
 Sample : P2188-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 19 16:22:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

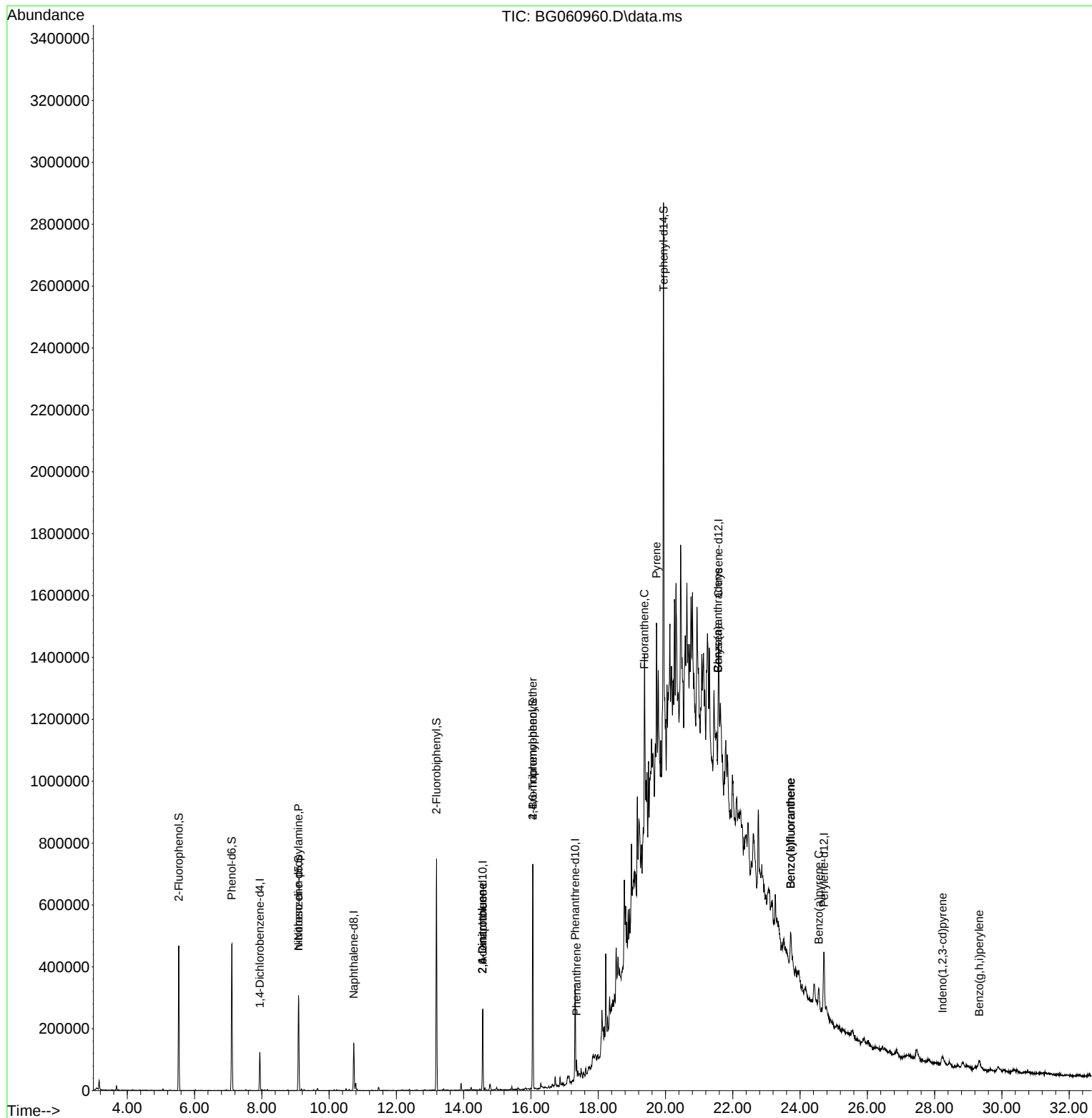
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	31986	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	120018	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	94356	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	207498	20.000	ng	# 0.00
76) Chrysene-d12	21.577	240	188712	20.000	ng	# 0.00
86) Perylene-d12	24.709	264	229287	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	160160	86.974	ng	0.00
7) Phenol-d6	7.106	99	214331	80.794	ng	0.00
23) Nitrobenzene-d5	9.092	82	154755	58.537	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	150220	96.369	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	367109	57.094	ng	0.00
79) Terphenyl-d14	19.944	244	647884	59.917	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.092	70	23306	11.534	ng	# 80
51) 2,6-Dinitrotoluene	14.562	165	13018	8.530	ng	# 18
57) 2,4-Dinitrotoluene	14.562	165	13018	5.970	ng	# 20
67) 4-Bromophenyl-phenylether	16.054	248	9480	4.078	ng	# 1
71) Phenanthrene	17.359	178	40401	3.847	ng	98
75) Fluoranthene	19.368	202	134718	10.077	ng	96
78) Pyrene	19.732	202	129834	10.029	ng	98
81) Benzo(a)anthracene	21.560	228	76973	5.776	ng	96
83) Chrysene	21.560	228	76973	6.050	ng	100
87) Indeno(1,2,3-cd)pyrene	28.234	276	55615	3.508	ng	# 57
88) Benzo(b)fluoranthene	23.722	252	144268	11.121	ng	# 94
89) Benzo(k)fluoranthene	23.722	252	144268	10.871	ng	# 92
90) Benzo(a)pyrene	24.556	252	73652	5.758	ng	# 88
92) Benzo(g,h,i)perylene	29.327	276	46956	3.680	ng	# 91

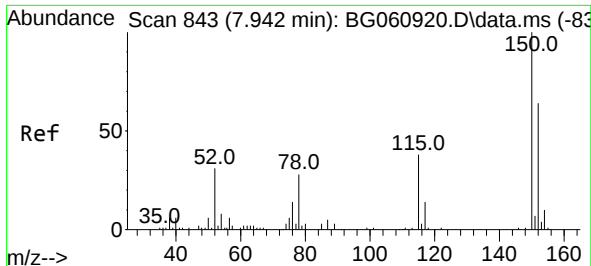
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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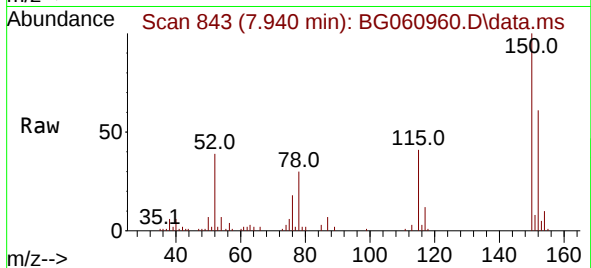
Quant Time: Apr 19 16:22:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
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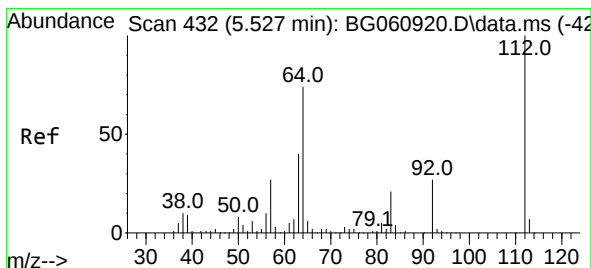
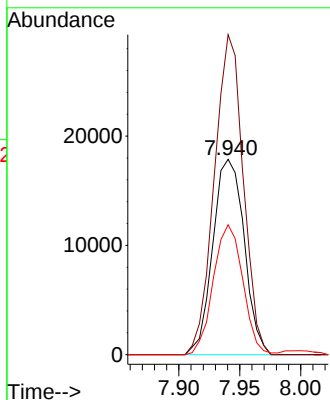
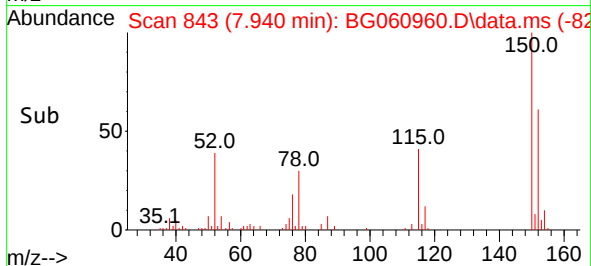


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

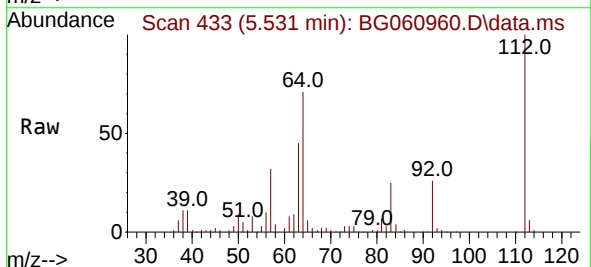
Instrument :
BNA_G
ClientSampleId :



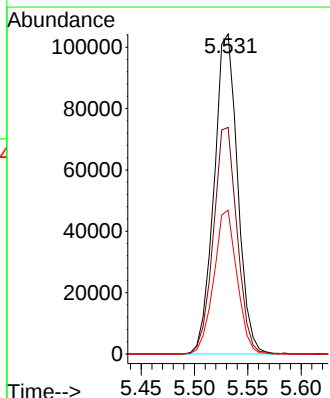
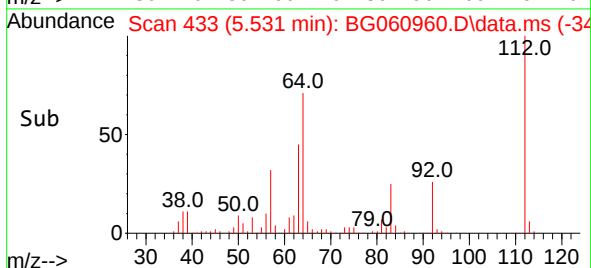
Tgt Ion:152 Resp: 31986
Ion Ratio Lower Upper
152 100
150 163.8 125.6 188.4
115 66.5 47.1 70.7

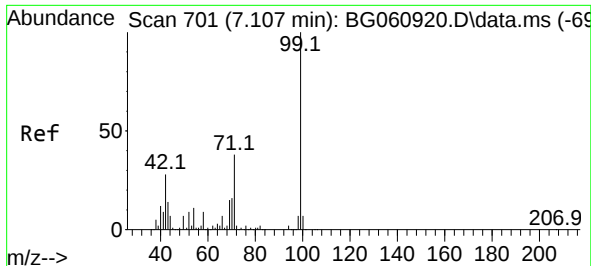


#5
2-Fluorophenol
Concen: 86.974 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33



Tgt Ion:112 Resp: 160160
Ion Ratio Lower Upper
112 100
64 70.8 58.9 88.3
63 44.9 32.1 48.1

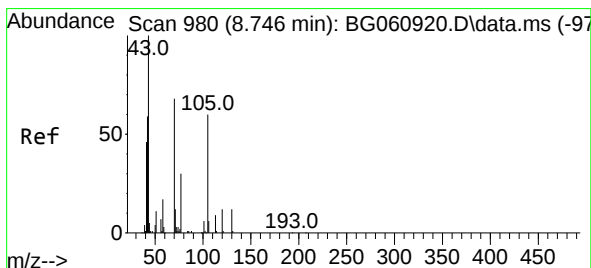
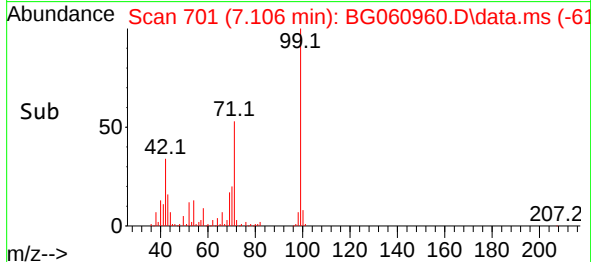
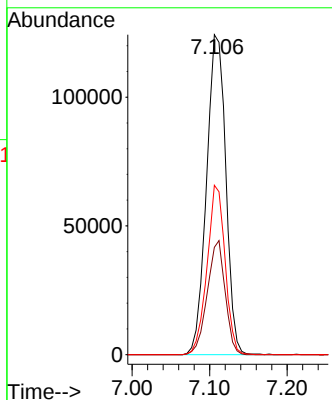
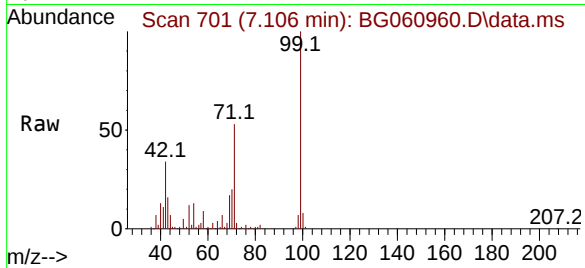




#7
Phenol-d6
Concen: 80.794 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

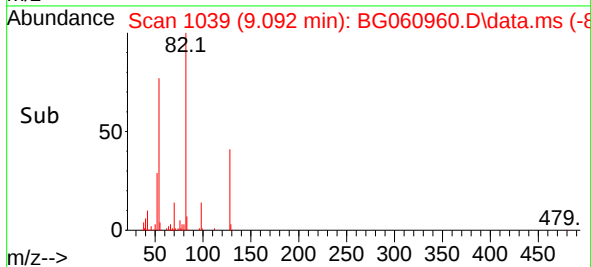
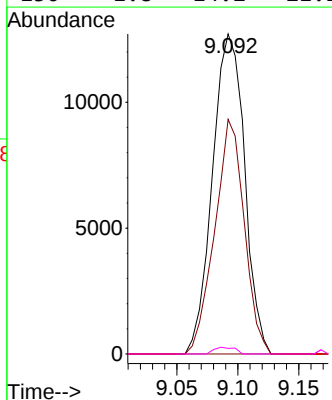
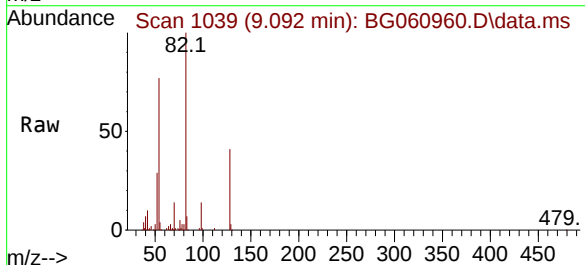
Instrument :
BNA_G
ClientSampleId :

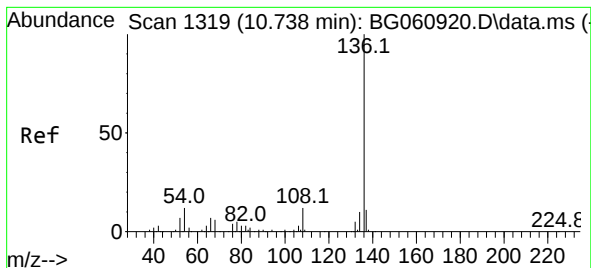
Tgt Ion: 99 Resp: 214331
Ion Ratio Lower Upper
99 100
42 33.6 22.2 33.2#
71 53.0 30.5 45.7#



#19
n-Nitroso-di-n-propylamine
Concen: 11.534 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.345 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion: 70 Resp: 23306
Ion Ratio Lower Upper
70 100
42 73.3 70.9 106.3
101 0.0 7.0 10.4#
130 1.8 14.2 21.2#

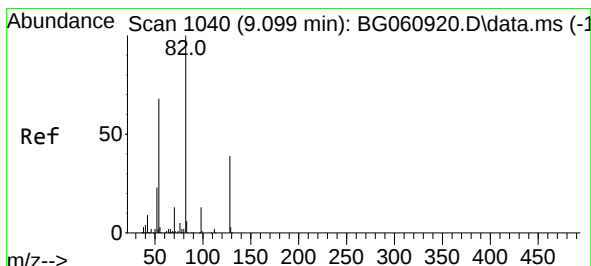
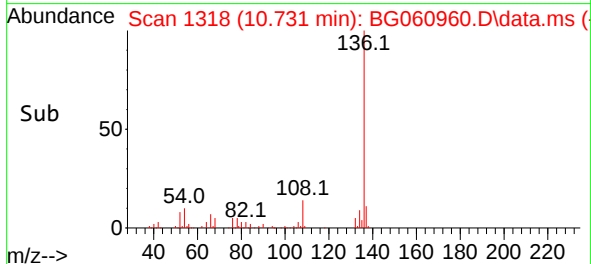
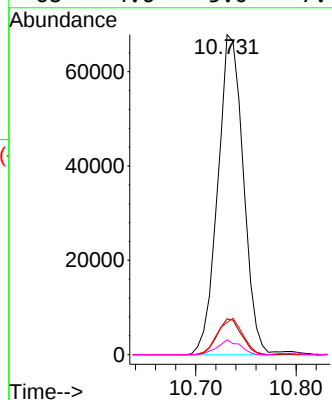
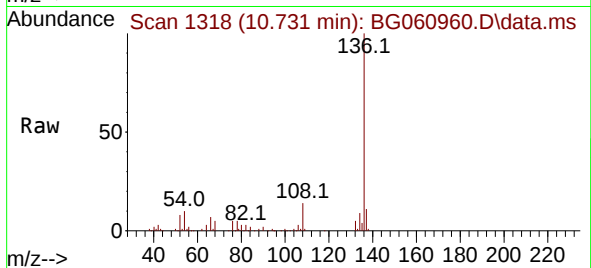




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

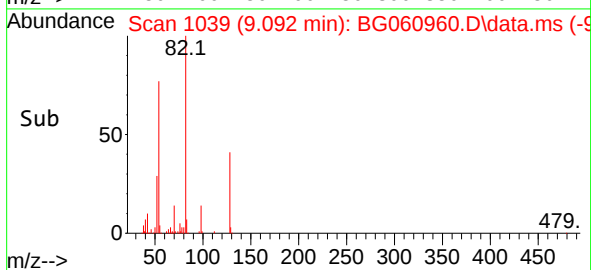
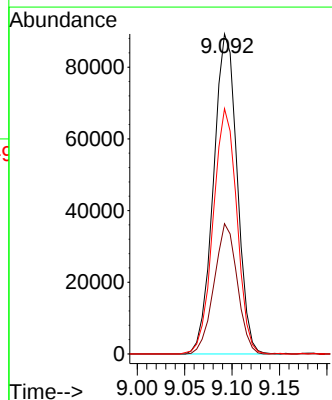
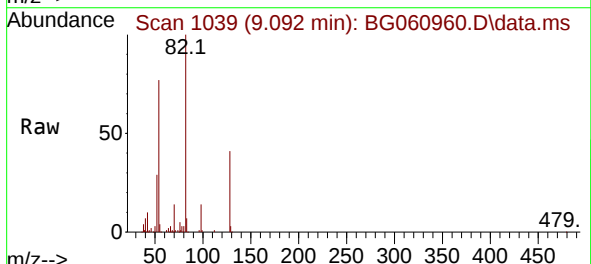
Instrument :
BNA_G
ClientSampleId :

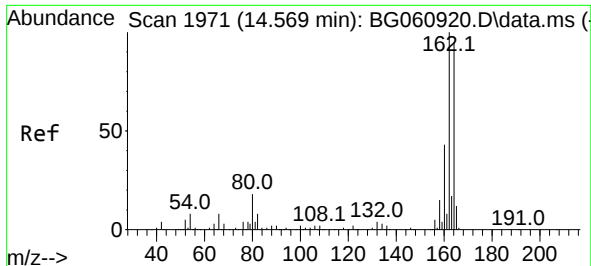
Tgt Ion:136	Resp:	120018
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	10.1	9.8 14.8
68	4.6	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 58.537 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.007 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion: 82	Resp:	154755
Ion Ratio	Lower	Upper
82	100	
128	40.7	31.4 47.0
54	76.6	54.2 81.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.001 min

Lab File: BG060960.D

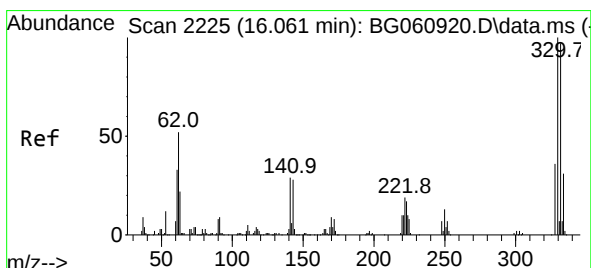
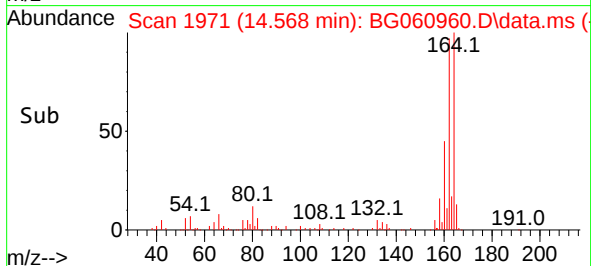
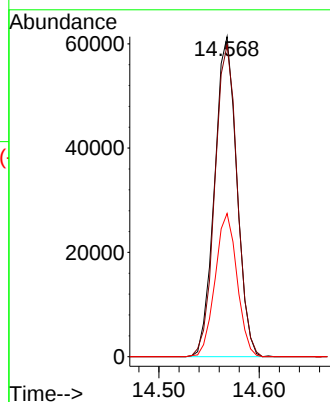
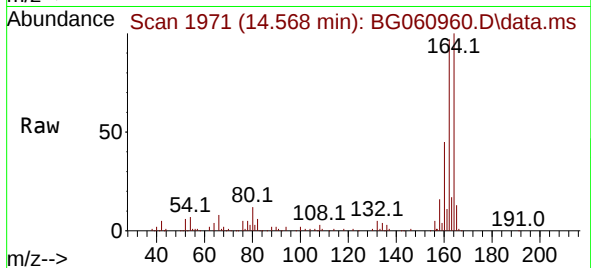
Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:164	Resp:	94356
Ion Ratio	Lower	Upper
164	100	
162	97.4	84.1 126.1
160	44.8	35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 96.369 ng

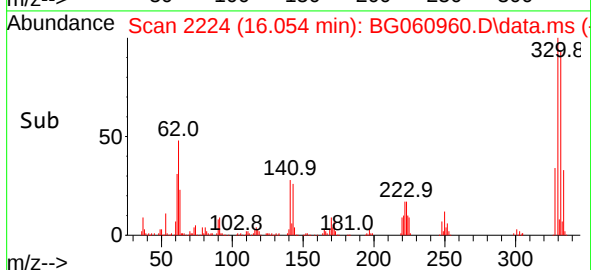
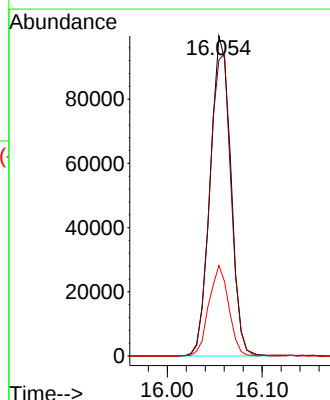
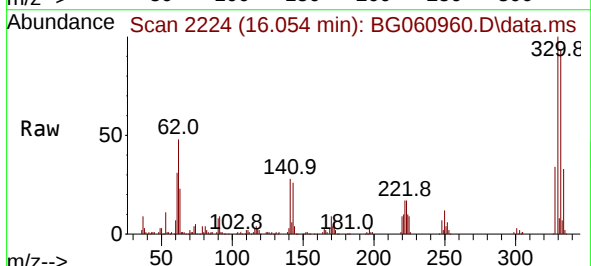
RT: 16.054 min Scan# 2224

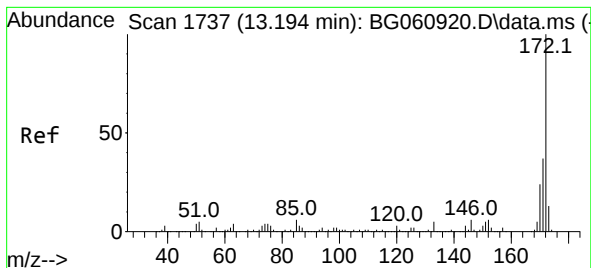
Delta R.T. -0.007 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

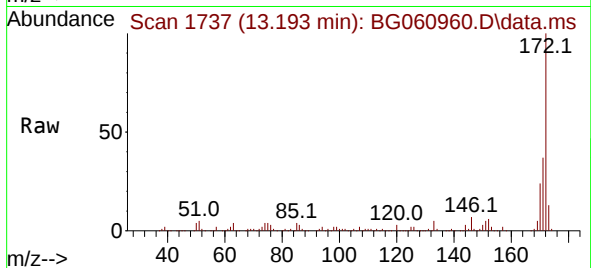
Tgt Ion:330	Resp:	150220
Ion Ratio	Lower	Upper
330	100	
332	97.4	76.9 115.3
141	27.2	23.7 35.5



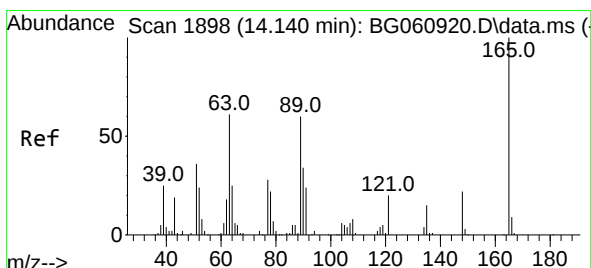
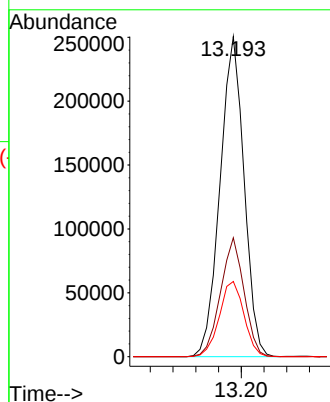
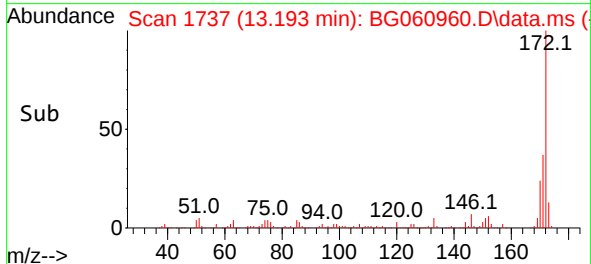


#45
2-Fluorobiphenyl
Concen: 57.094 ng
RT: 13.193 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Instrument :
BNA_G
ClientSampleId :

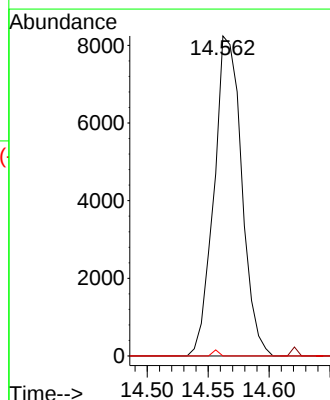
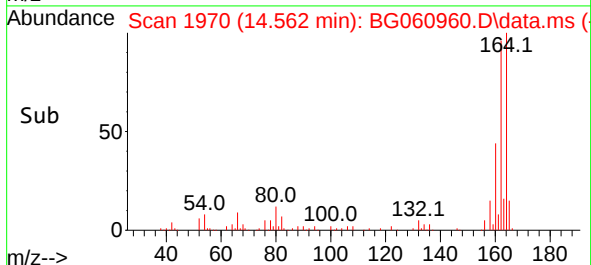
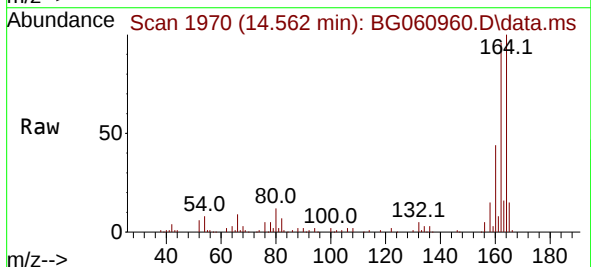


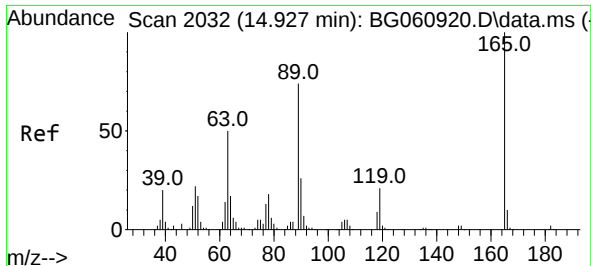
Tgt Ion:172 Resp: 367109
Ion Ratio Lower Upper
172 100
171 37.1 29.3 43.9
170 23.5 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.530 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.422 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion:165 Resp: 13018
Ion Ratio Lower Upper
165 100
63 0.0 53.8 80.8#
89 0.0 48.2 72.4#





#57

2,4-Dinitrotoluene

Concen: 5.970 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.365 min

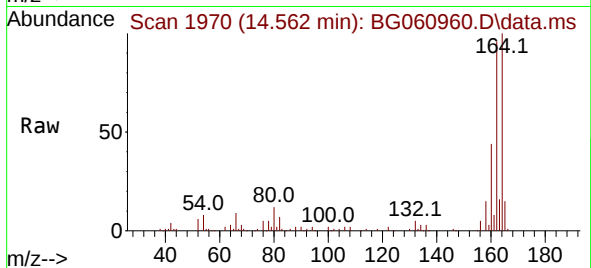
Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 13018

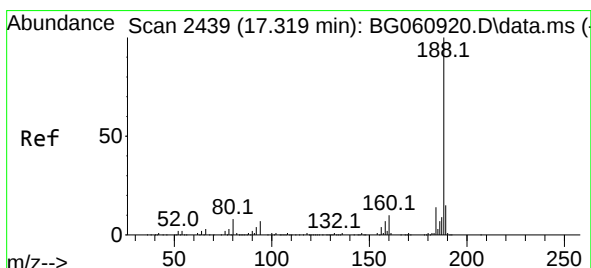
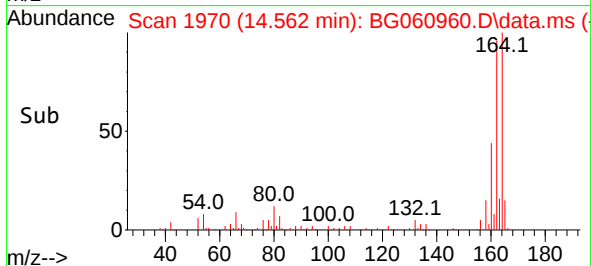
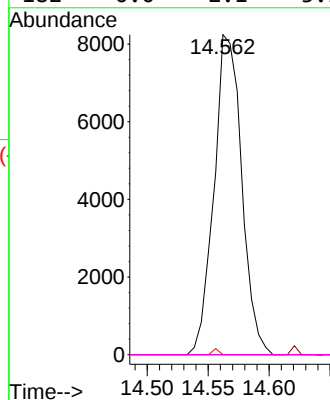
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.2#

89 0.0 59.0 88.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

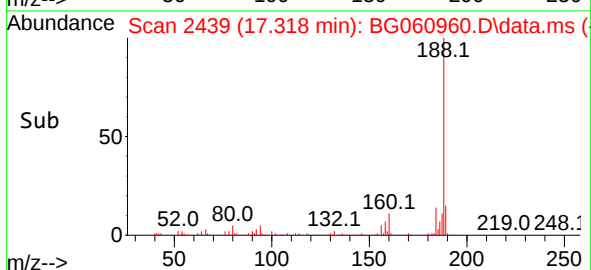
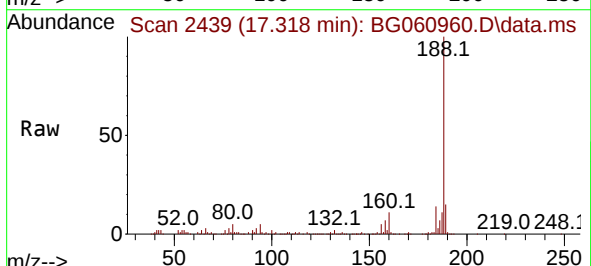
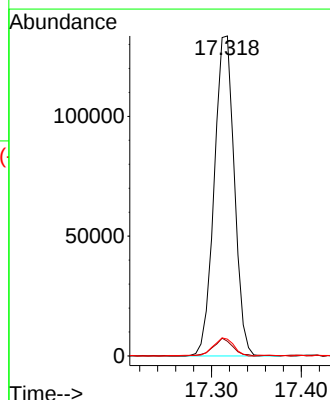
Tgt Ion:188 Resp: 207498

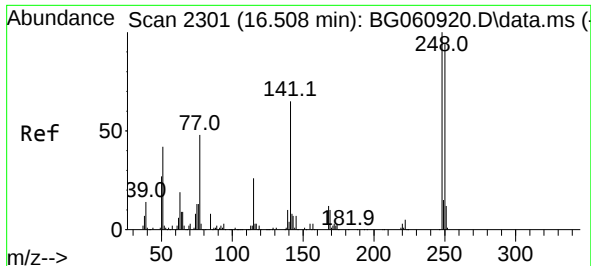
Ion Ratio Lower Upper

188 100

94 4.6 5.7 8.5#

80 5.3 6.6 9.8#

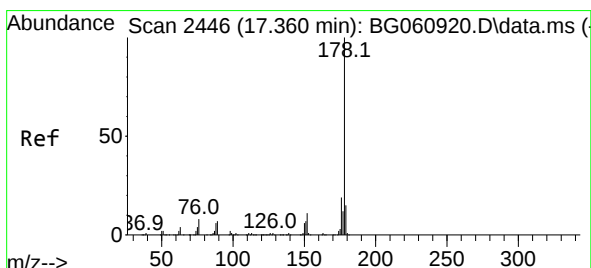
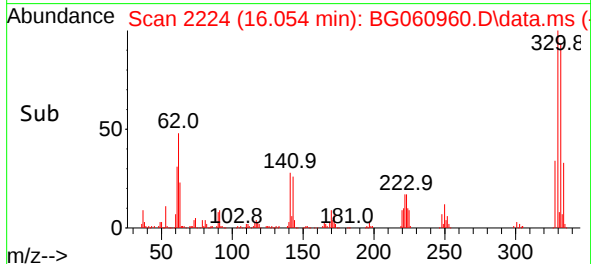
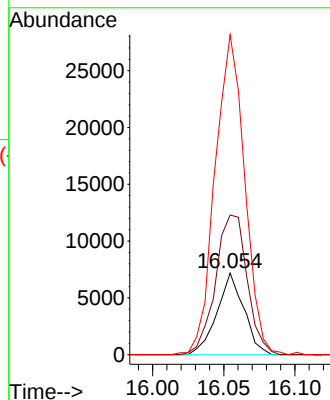
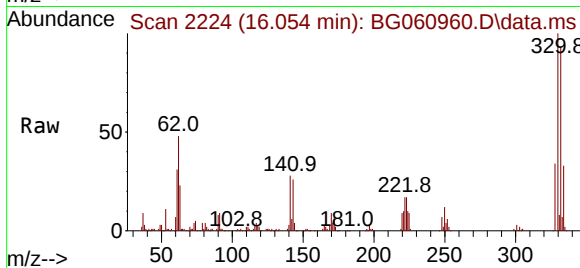




#67
4-Bromophenyl-phenylether
Concen: 4.078 ng
RT: 16.054 min Scan# 211
Delta R.T. -0.454 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

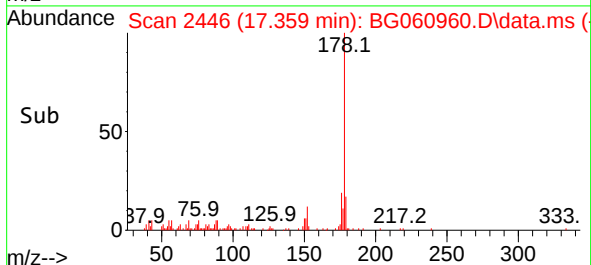
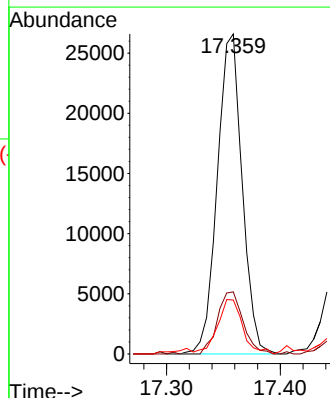
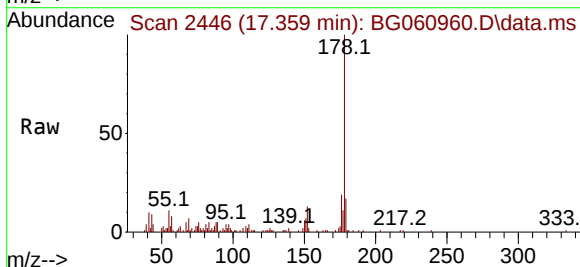
Instrument :
BNA_G
ClientSampleId :

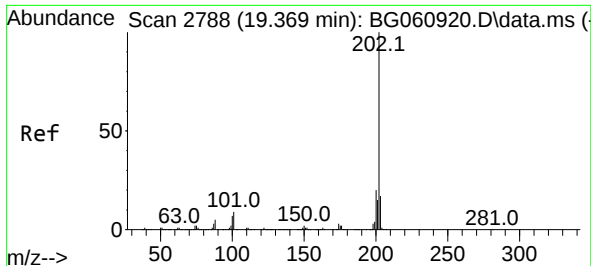
Tgt Ion:248 Resp: 9480
Ion Ratio Lower Upper
248 100
250 171.3 75.4 113.2#
141 392.5 52.2 78.2#



#71
Phenanthrene
Concen: 3.847 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

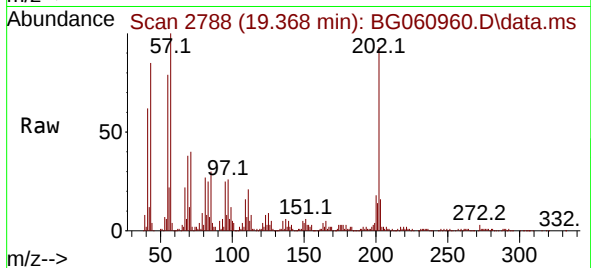
Tgt Ion:178 Resp: 40401
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.9 12.0 18.0



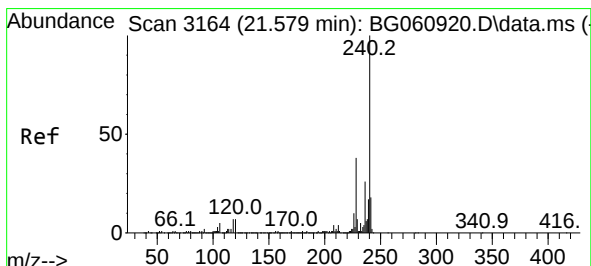
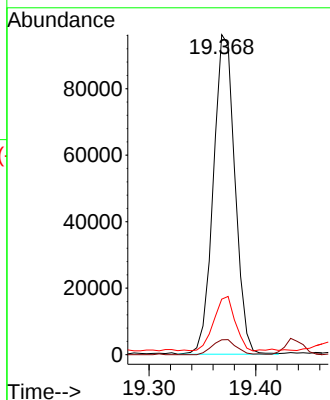
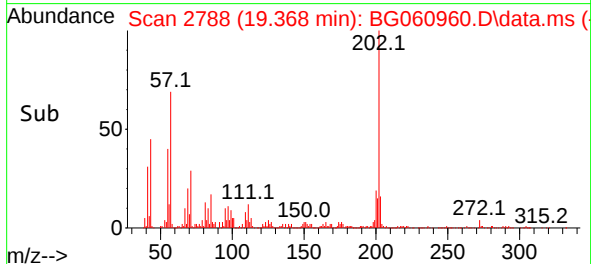


#75
Fluoranthene
Concen: 10.077 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Instrument :
BNA_G
ClientSampleId :

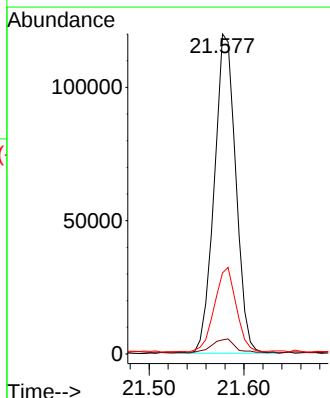
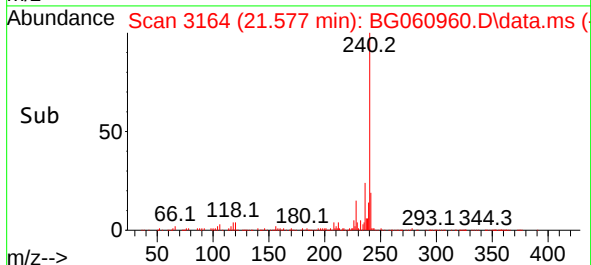
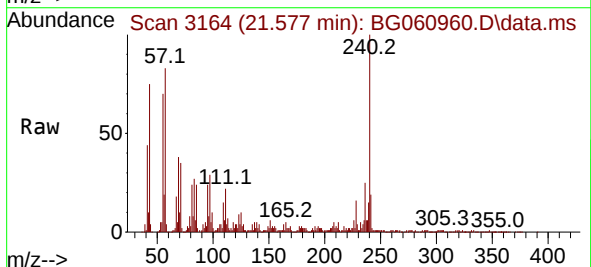


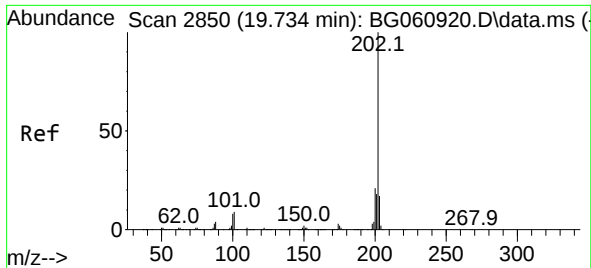
Tgt Ion:202 Resp: 134718
Ion Ratio Lower Upper
202 100
101 4.7 0.0 28.6
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG060960.D
Acq: 19 Apr 2024 15:33

Tgt Ion:240 Resp: 188712
Ion Ratio Lower Upper
240 100
120 4.4 5.7 8.5#
236 25.4 21.1 31.7

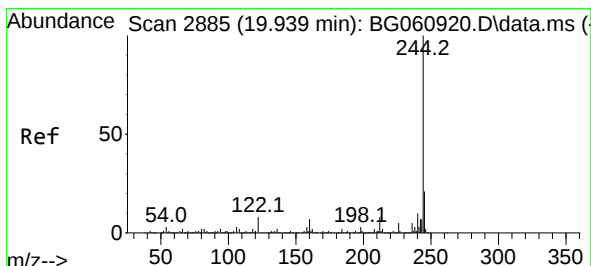
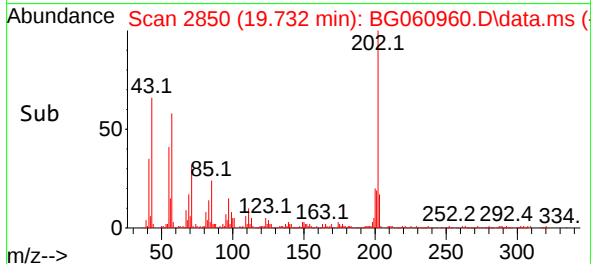
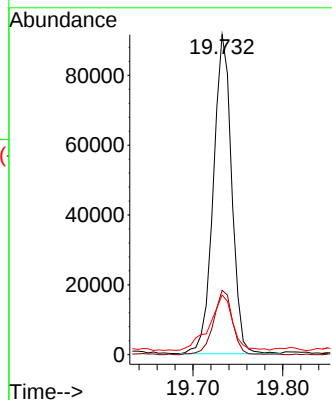
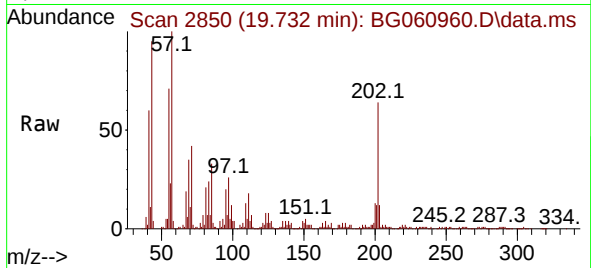




#78
 Pyrene
 Concen: 10.029 ng
 RT: 19.732 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060960.D
 Acq: 19 Apr 2024 15:33

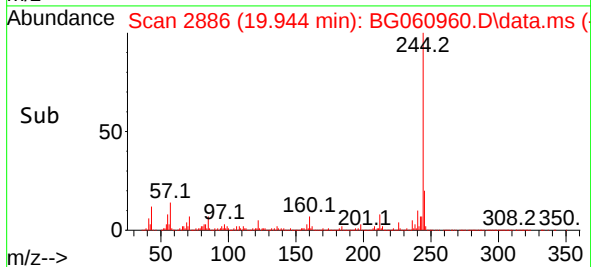
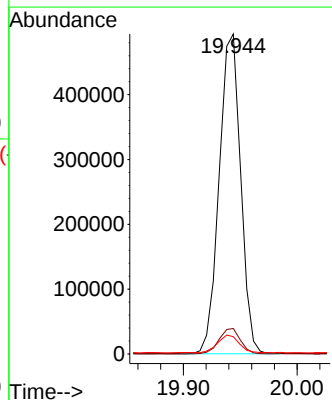
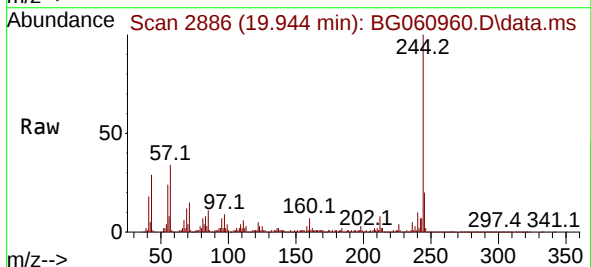
Instrument :
 BNA_G
 ClientSampleId :

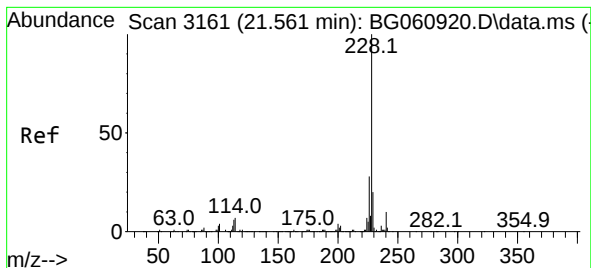
Tgt Ion:202 Resp: 129834
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.7 25.1
 203 18.6 13.8 20.8



#79
 Terphenyl-d14
 Concen: 59.917 ng
 RT: 19.944 min Scan# 2886
 Delta R.T. 0.005 min
 Lab File: BG060960.D
 Acq: 19 Apr 2024 15:33

Tgt Ion:244 Resp: 647884
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 5.4 6.6 9.8#





#81

Benzo(a)anthracene

Concen: 5.776 ng

RT: 21.560 min Scan# 3161

Delta R.T. -0.001 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

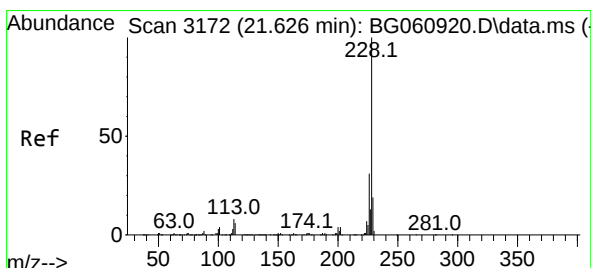
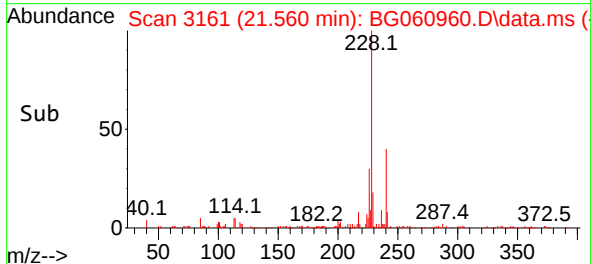
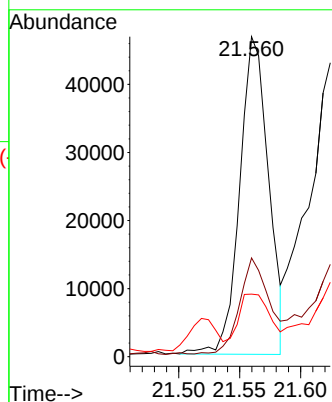
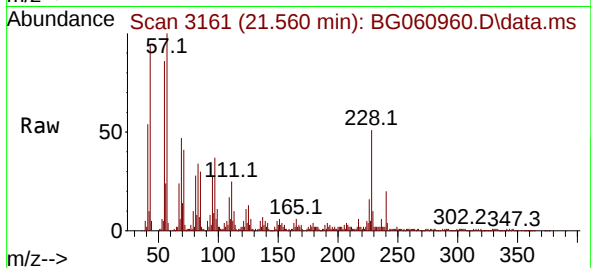
Tgt Ion:228 Resp: 76973

Ion Ratio Lower Upper

228 100

226 30.9 22.0 33.0

229 19.5 15.6 23.4



#83

Chrysene

Concen: 6.050 ng

RT: 21.560 min Scan# 3161

Delta R.T. -0.066 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

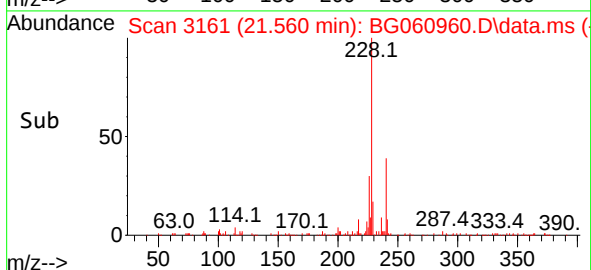
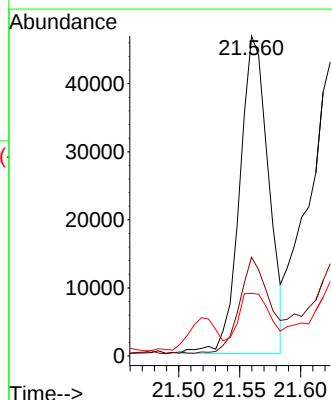
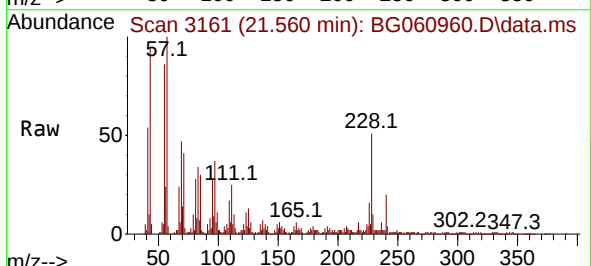
Tgt Ion:228 Resp: 76973

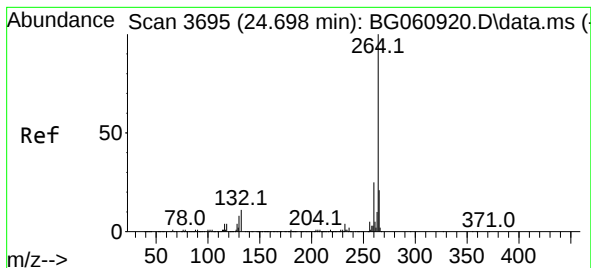
Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 19.5 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG060960.D

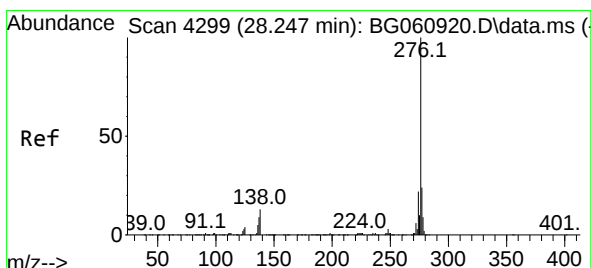
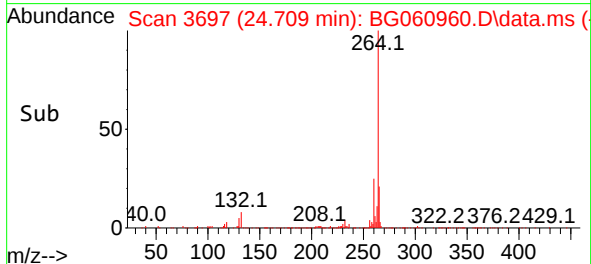
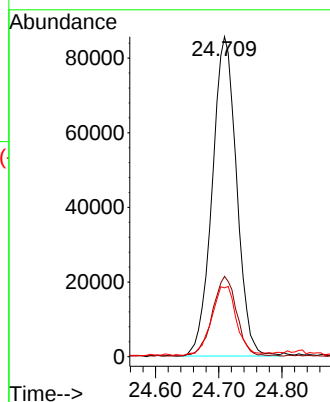
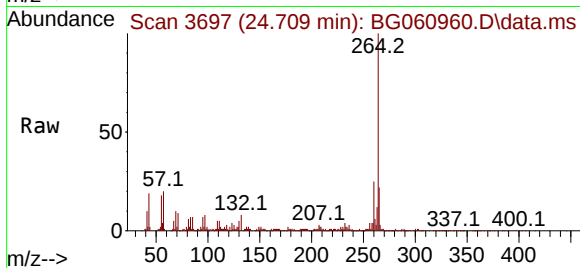
Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:264	Resp:	229287
Ion Ratio	Lower	Upper
264	100	
260	25.1	19.6 29.4
265	21.5	16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.508 ng

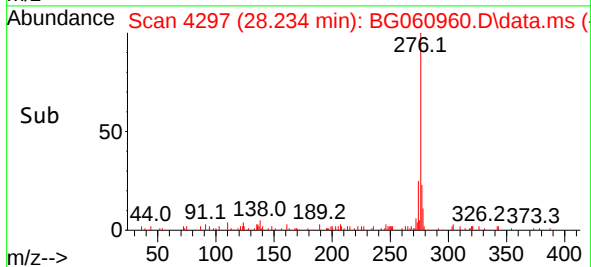
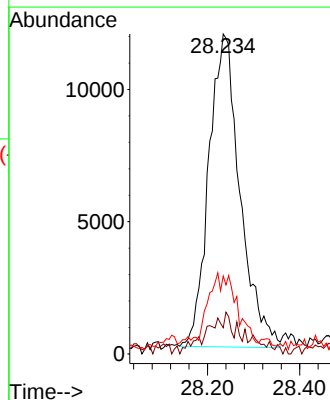
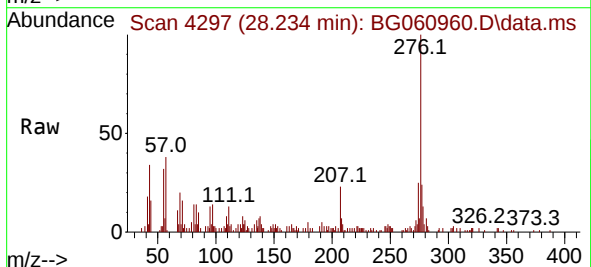
RT: 28.234 min Scan# 4297

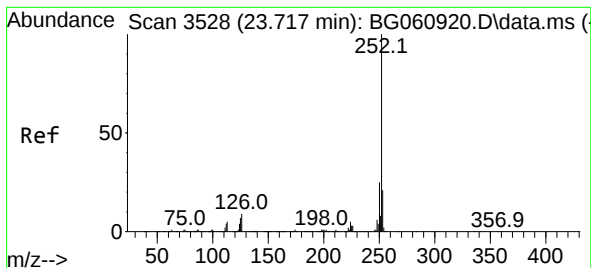
Delta R.T. -0.013 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt Ion:276	Resp:	55615
Ion Ratio	Lower	Upper
276	100	
138	1.3	10.8 16.2#
277	0.0	20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 11.121 ng

RT: 23.722 min Scan# 3529

Delta R.T. 0.005 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

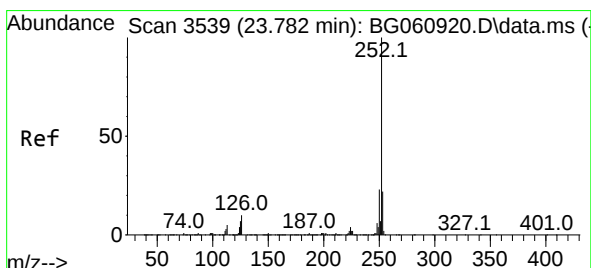
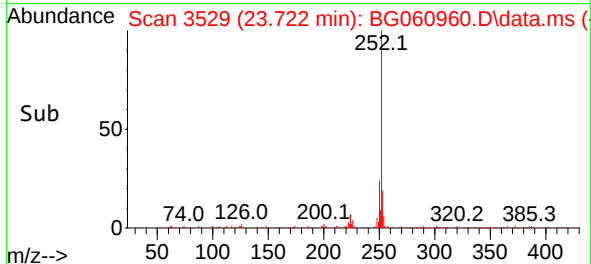
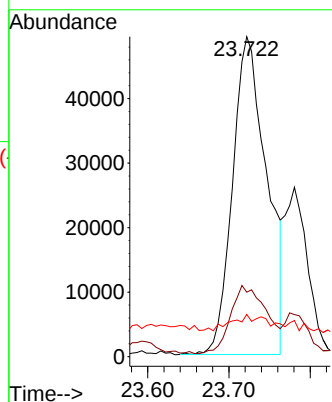
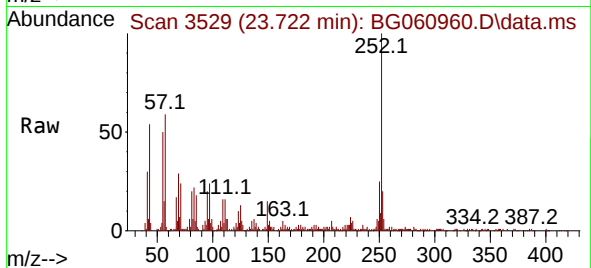
Tgt Ion:252 Resp: 144268

Ion Ratio Lower Upper

252 100

253 20.1 16.8 25.2

125 13.2 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 10.871 ng

RT: 23.722 min Scan# 3529

Delta R.T. -0.060 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

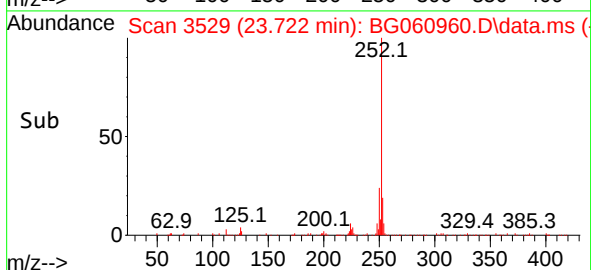
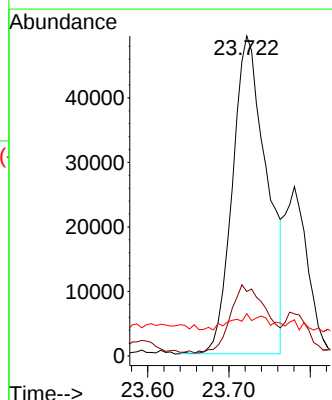
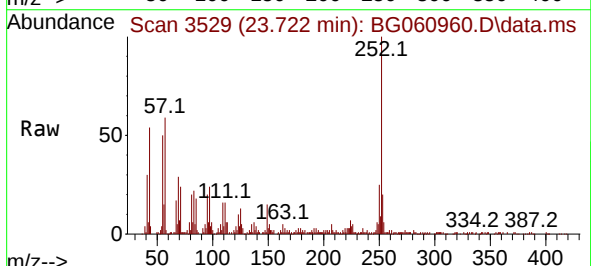
Tgt Ion:252 Resp: 144268

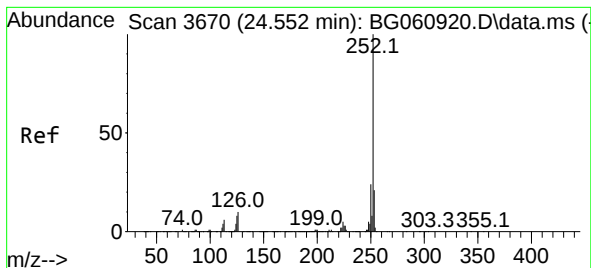
Ion Ratio Lower Upper

252 100

253 20.1 17.9 26.9

125 13.2 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 5.758 ng

RT: 24.556 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG060960.D

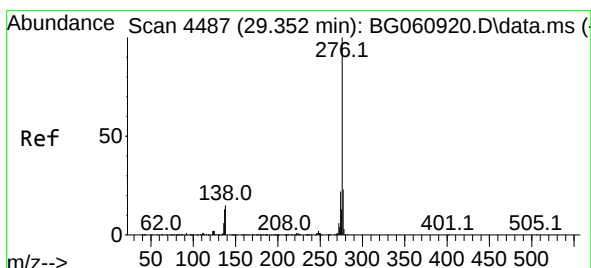
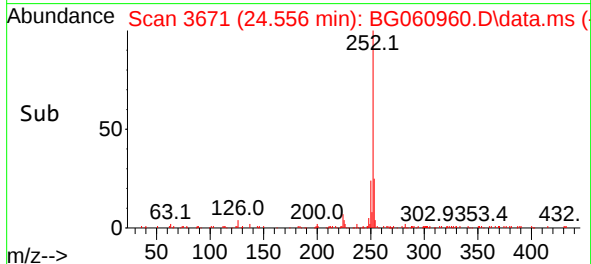
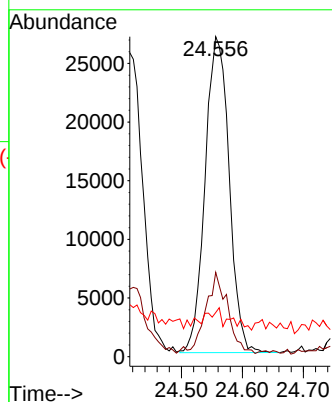
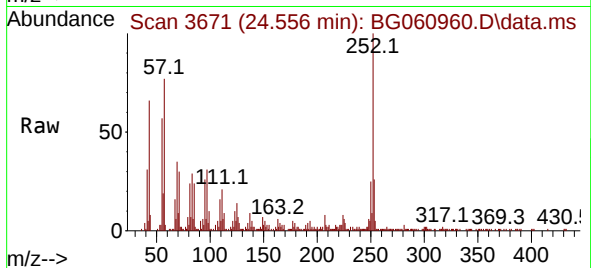
Acq: 19 Apr 2024 15:33

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	252	Resp:	73652
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.1	25.7#
125	13.8	6.1	9.1#



#92

Benzo(g,h,i)perylene

Concen: 3.680 ng

RT: 29.327 min Scan# 4483

Delta R.T. -0.025 min

Lab File: BG060960.D

Acq: 19 Apr 2024 15:33

Tgt Ion:	276	Resp:	46956
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.3	27.5
138	9.5	12.2	18.4#

