

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040124\
 Data File : BG060724.D
 Acq On : 1 Apr 2024 20:56
 Operator : MA/JU
 Sample : P1936-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-032924

Quant Time: Apr 02 01:19:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

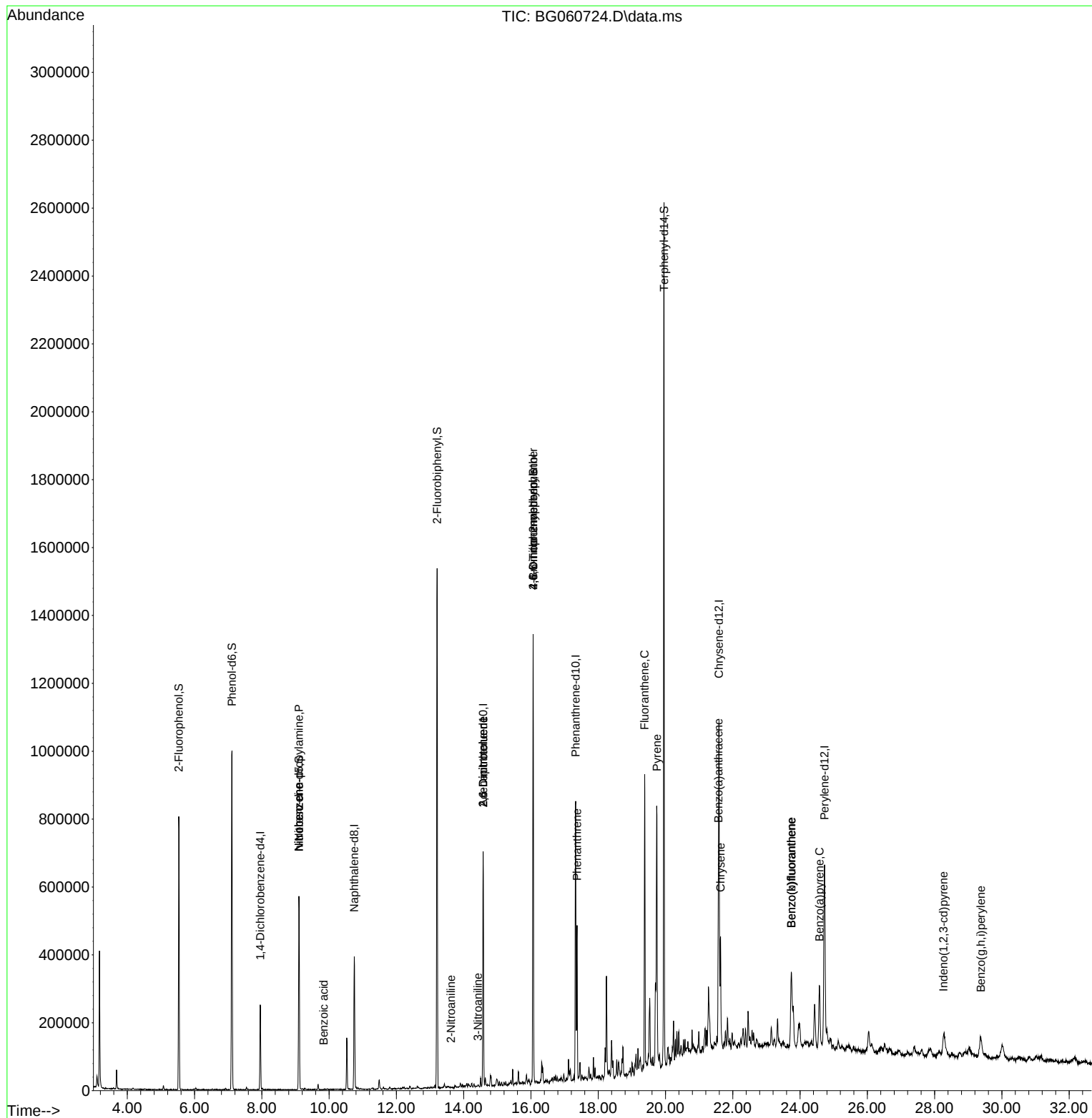
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	66317	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	317356	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	244446	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	533477	20.000	ng	0.00
76) Chrysene-d12	21.590	240	493824	20.000	ng	#-0.01
86) Perylene-d12	24.727	264	581497	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	317865	79.848	ng	0.00
7) Phenol-d6	7.113	99	518292	87.710	ng	0.00
23) Nitrobenzene-d5	9.104	82	305534	54.936	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	240644	86.723	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	789522	47.402	ng	0.00
79) Terphenyl-d14	19.956	244	1291931	46.067	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.104	70	40970	9.092	ng	# 71
24) Nitrobenzene	9.104	77	1132	2.945	ng	# 39
32) Benzoic acid	9.845	122	62	6.852	ng	# 1
48) 2-Nitroaniline	13.623	65	61	2.806	ng	# 11
51) 2,6-Dinitrotoluene	14.580	165	31659	11.979	ng	# 18
53) 3-Nitroaniline	14.422	138	56	2.865	ng	# 1
57) 2,4-Dinitrotoluene	14.580	165	31659	10.082	ng	# 19
65) 4,6-Dinitro-2-methylph...	16.067	198	739	7.320	ng	# 1
67) 4-Bromophenyl-phenylether	16.067	248	16402	3.030	ng	# 1
71) Phenanthrene	17.371	178	277310	9.995	ng	99
75) Fluoranthene	19.381	202	536501	15.935	ng	99
78) Pyrene	19.745	202	478820	13.864	ng	98
81) Benzo(a)anthracene	21.572	228	200568	5.762	ng	99
83) Chrysene	21.637	228	221783	6.610	ng	99
87) Indeno(1,2,3-cd)pyrene	28.264	276	130024	3.175	ng	95
88) Benzo(b)fluoranthene	23.740	252	281212	8.418	ng	98
89) Benzo(k)fluoranthene	23.740	252	281212	8.224	ng	98
90) Benzo(a)pyrene	24.580	252	196115	6.041	ng	95
92) Benzo(g,h,i)perylene	29.375	276	124590	3.710	ng	96

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

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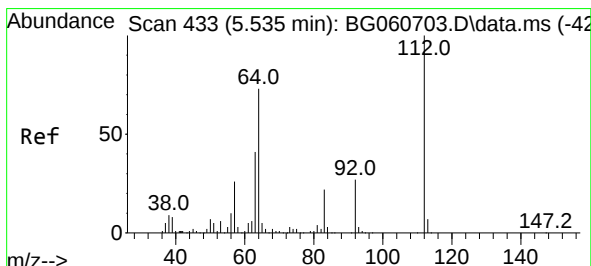
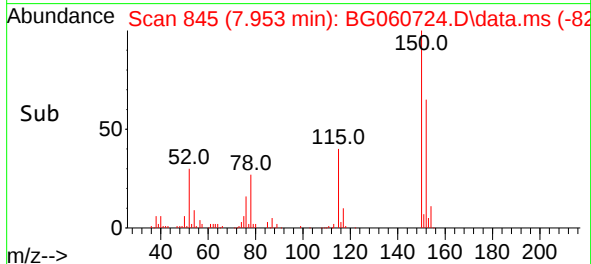
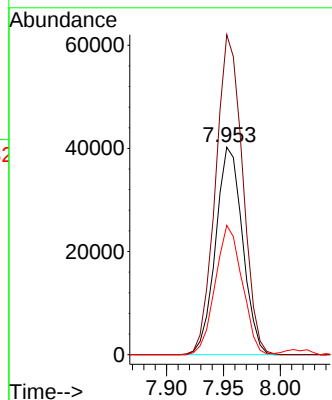
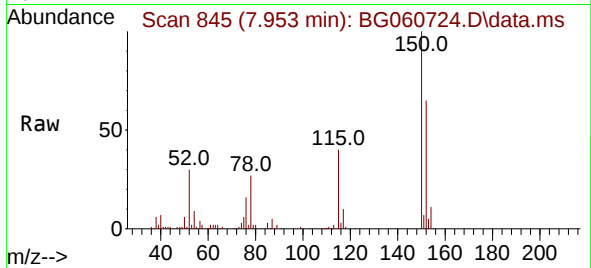




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

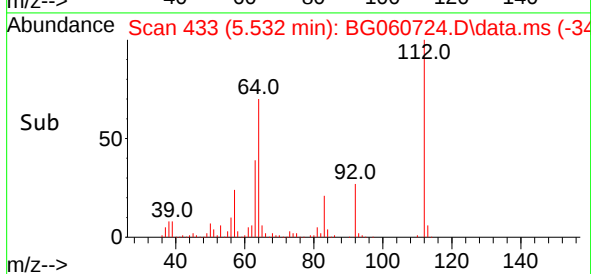
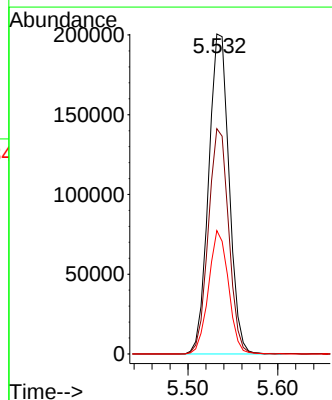
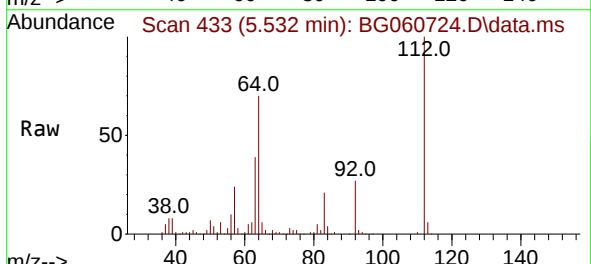
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

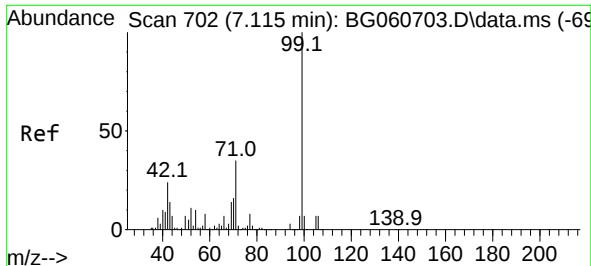
Tgt Ion:152 Resp: 66317
Ion Ratio Lower Upper
152 100
150 154.2 130.2 195.4
115 62.4 51.6 77.4



#5
2-Fluorophenol
Concen: 79.848 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:112 Resp: 317865
Ion Ratio Lower Upper
112 100
64 70.4 58.4 87.6
63 38.5 32.7 49.1

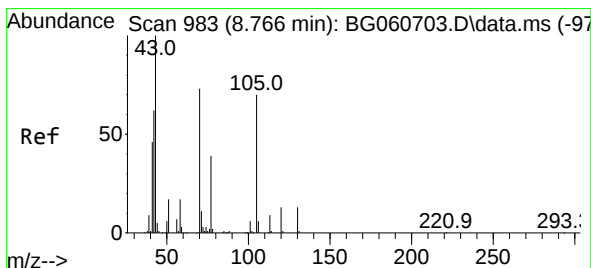
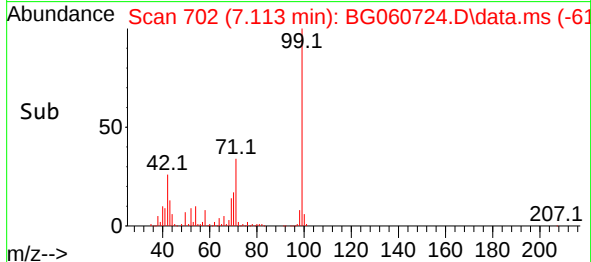
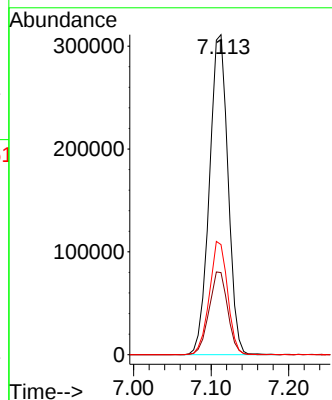
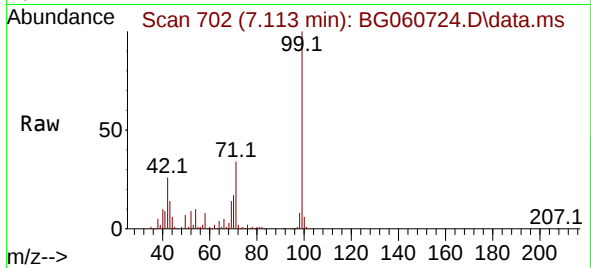




#7
Phenol-d6
Concen: 87.710 ng
RT: 7.113 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

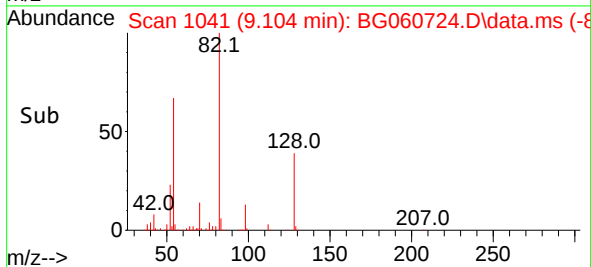
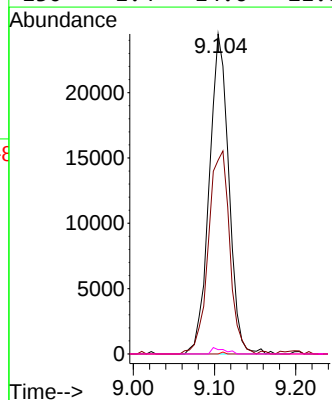
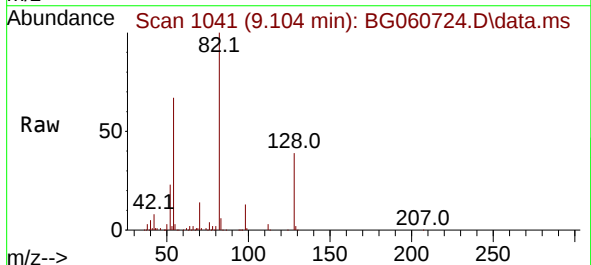
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

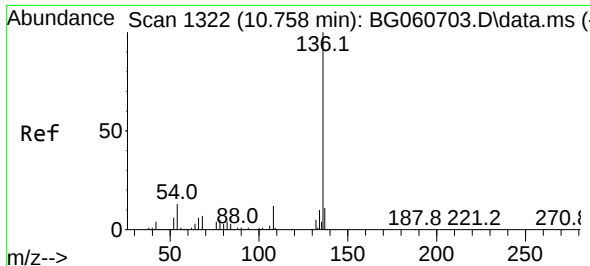
Tgt Ion: 99 Resp: 518292
Ion Ratio Lower Upper
99 100
42 25.6 19.4 29.2
71 34.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.092 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion: 70 Resp: 40970
Ion Ratio Lower Upper
70 100
42 60.5 68.4 102.6#
101 0.0 6.1 9.1#
130 1.4 14.6 21.8#

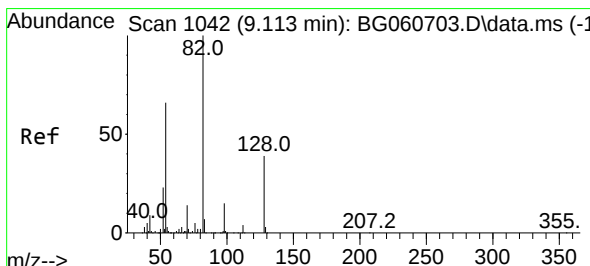
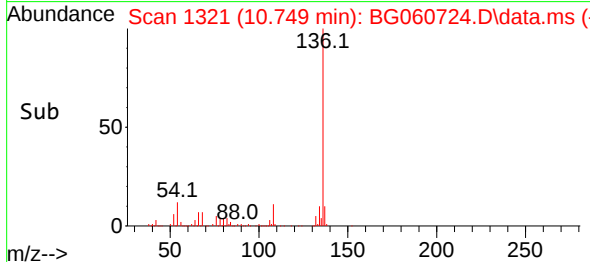
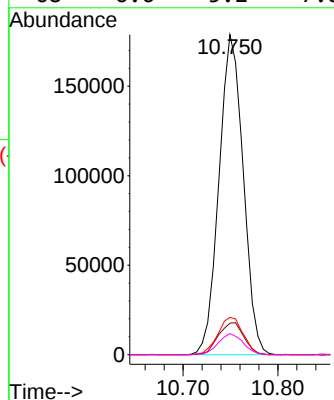
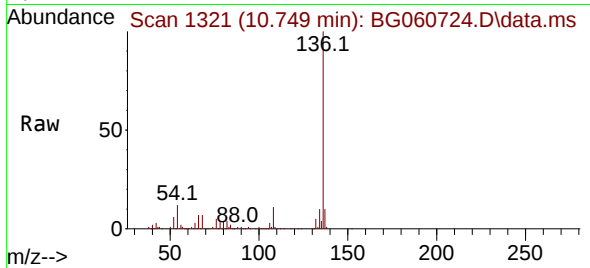




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

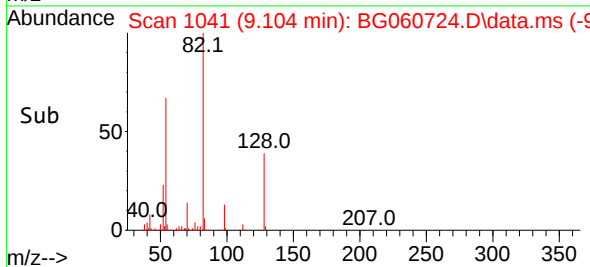
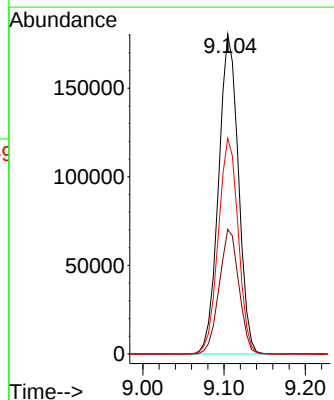
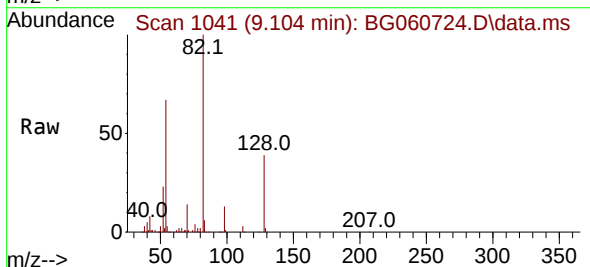
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

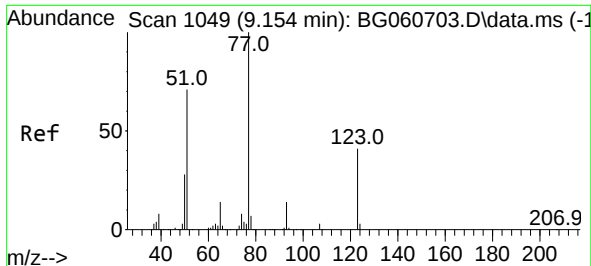
Tgt Ion:136 Resp: 317356
Ion Ratio Lower Upper
136 100
137 9.9 8.8 13.2
54 11.7 10.2 15.2
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 54.936 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion: 82 Resp: 305534
Ion Ratio Lower Upper
82 100
128 38.9 31.2 46.8
54 67.4 53.2 79.8





#24

Nitrobenzene

Concen: 2.945 ng

RT: 9.104 min Scan# 1132

Delta R.T. -0.050 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

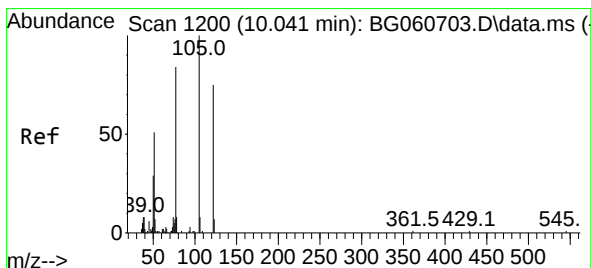
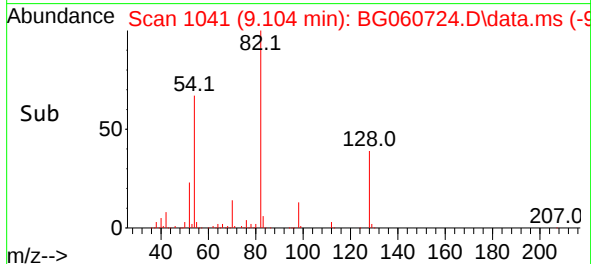
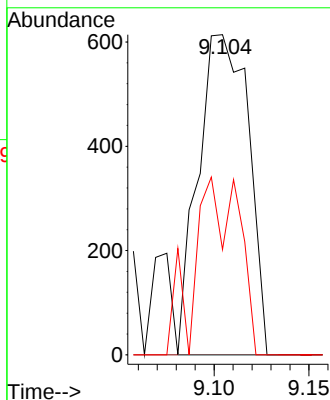
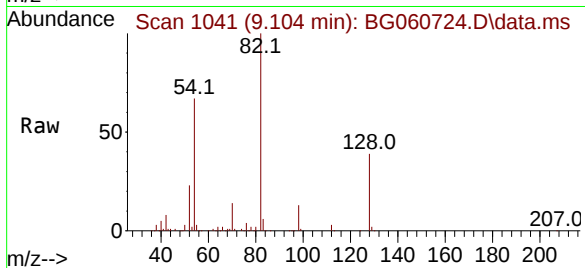
Tgt Ion: 77 Resp: 1132

Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 32.9 11.3 16.9#



#32

Benzoic acid

Concen: 6.852 ng

RT: 9.845 min Scan# 1167

Delta R.T. -0.196 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

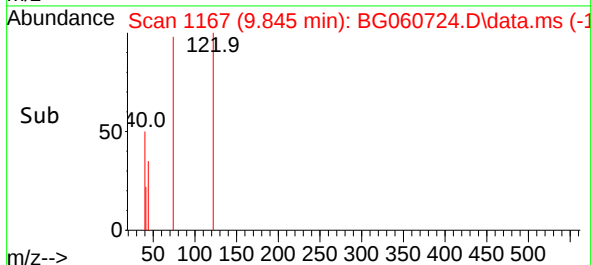
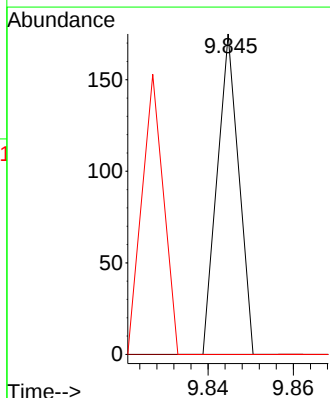
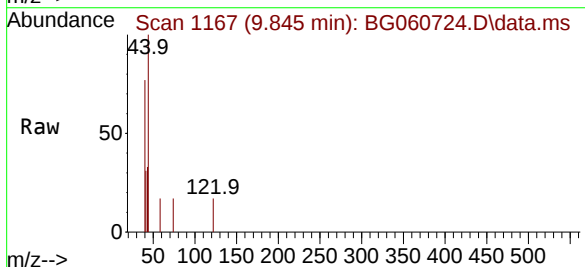
Tgt Ion: 122 Resp: 62

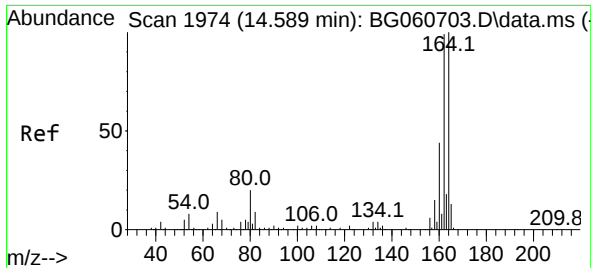
Ion Ratio Lower Upper

122 100

105 0.0 104.5 144.5#

77 0.0 85.3 125.3#

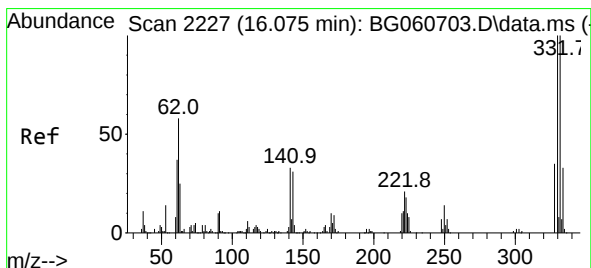
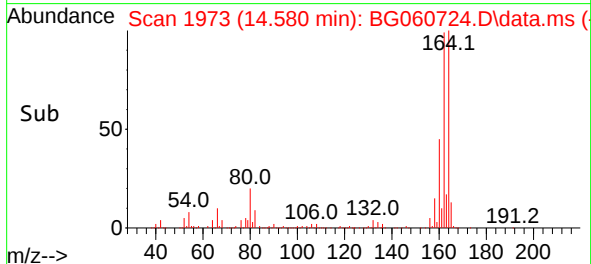
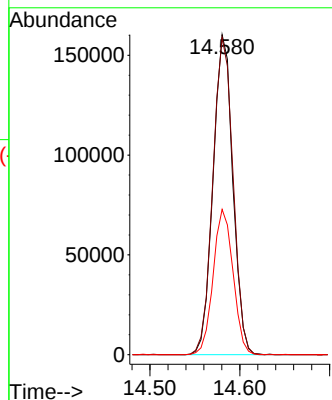
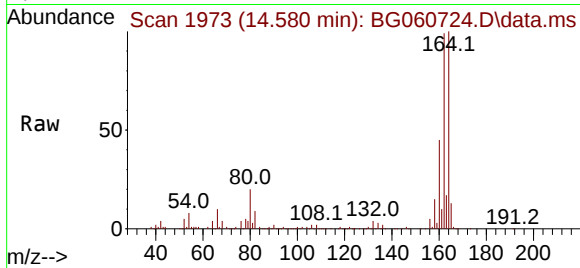




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

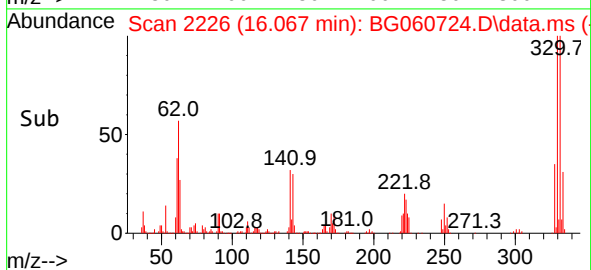
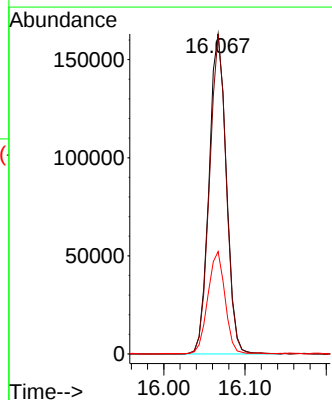
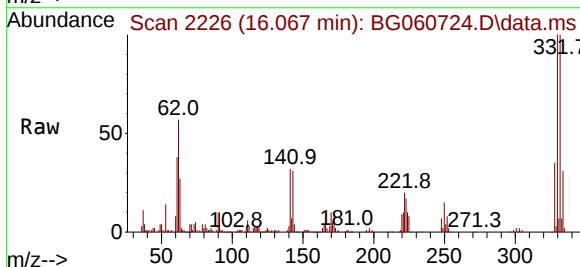
Instrument :
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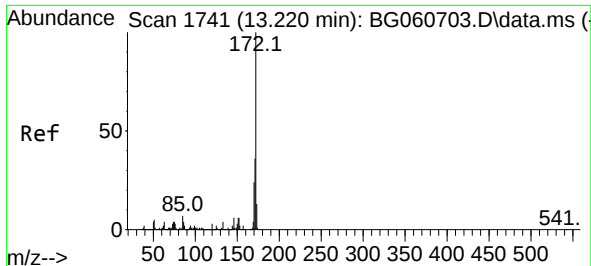
Tgt Ion:164 Resp: 244446
Ion Ratio Lower Upper
164 100
162 99.1 79.5 119.3
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 86.723 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:330 Resp: 240644
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 31.4 27.0 40.6

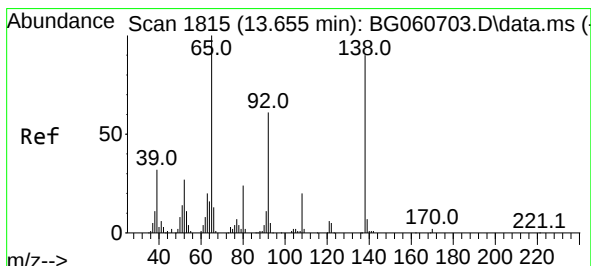
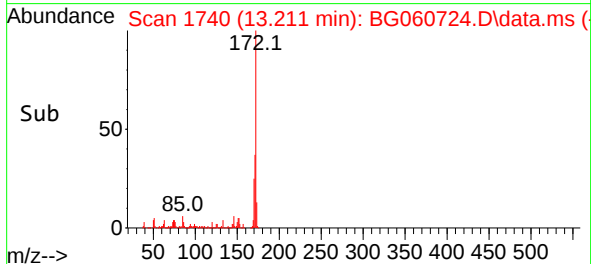
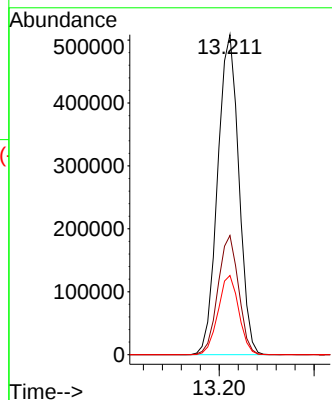
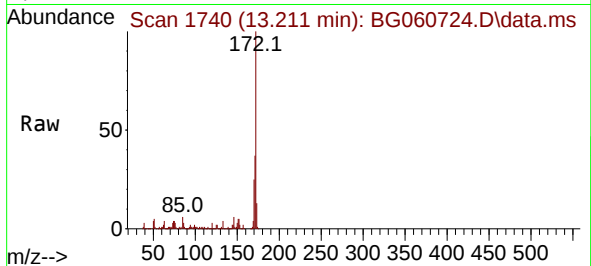




#45
2-Fluorobiphenyl
Concen: 47.402 ng
RT: 13.211 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

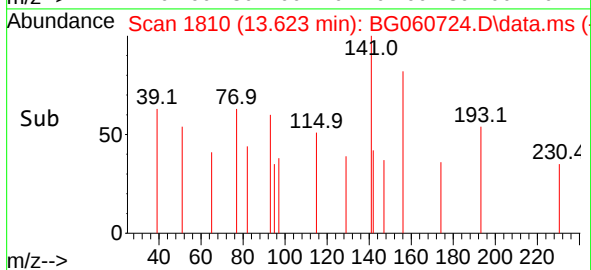
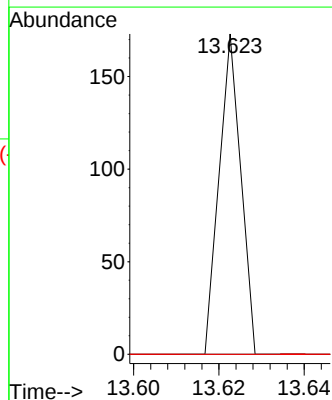
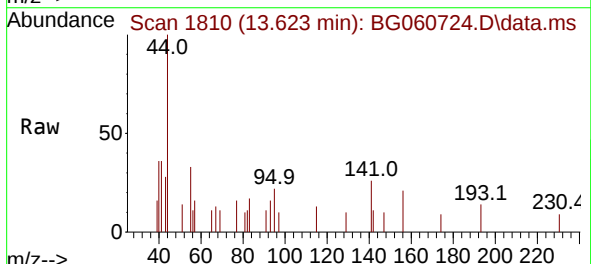
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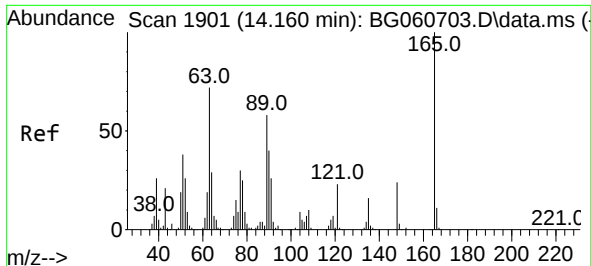
Tgt Ion:172 Resp: 789522
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 24.7 19.4 29.0



#48
2-Nitroaniline
Concen: 2.806 ng
RT: 13.623 min Scan# 1810
Delta R.T. -0.032 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#

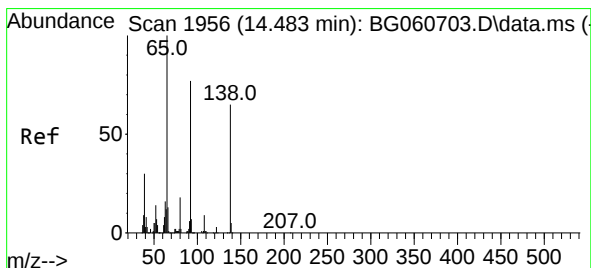
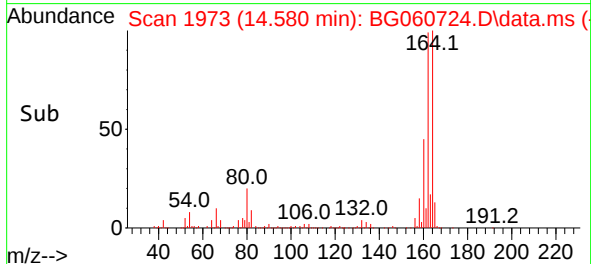
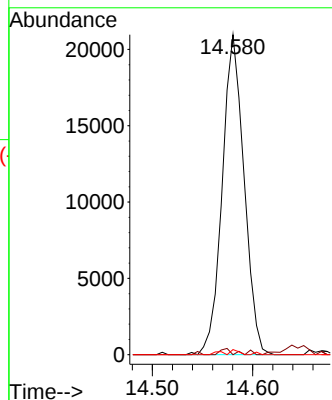
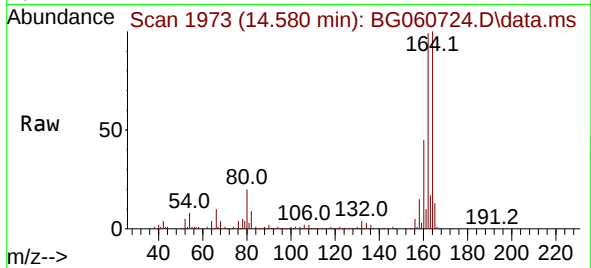




#51
2,6-Dinitrotoluene
Concen: 11.979 ng
RT: 14.580 min Scan# 1901
Delta R.T. 0.420 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

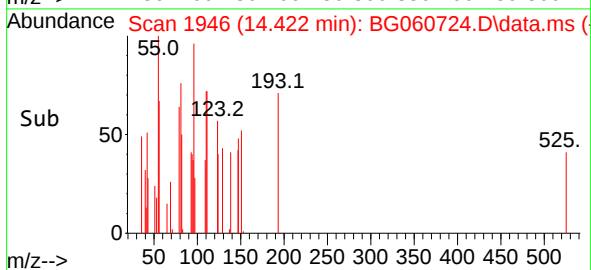
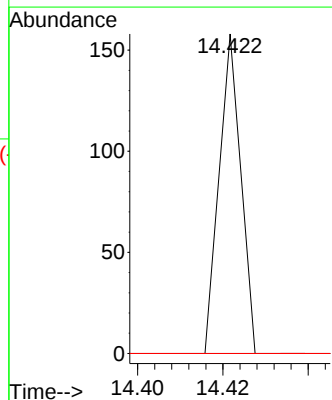
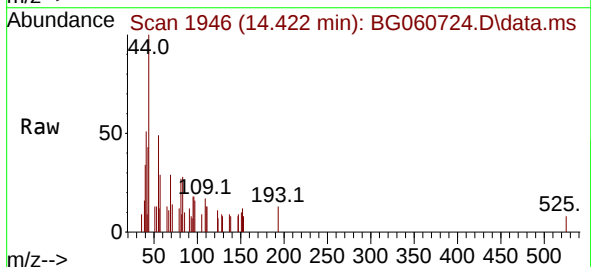
Instrument :
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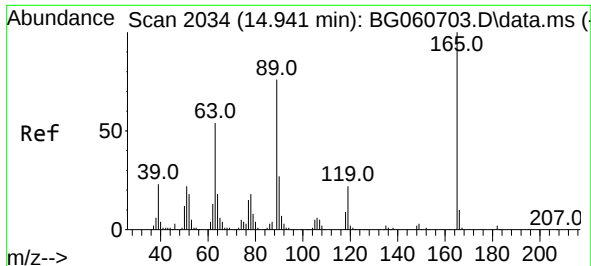
Tgt Ion:165 Resp: 31659
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.4#
89 1.6 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.865 ng
RT: 14.422 min Scan# 1946
Delta R.T. -0.061 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

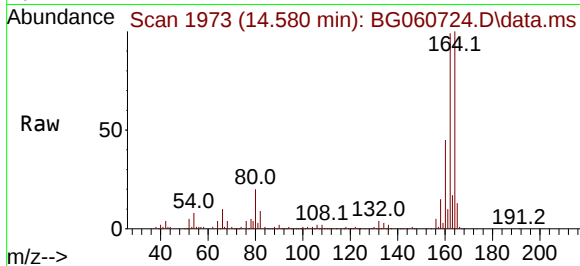
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



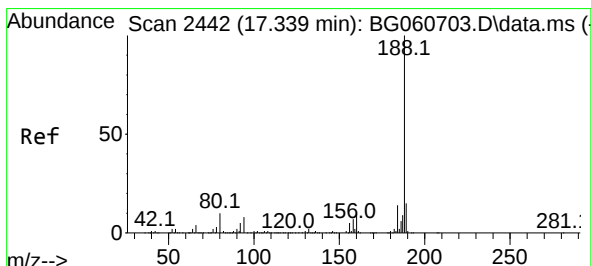
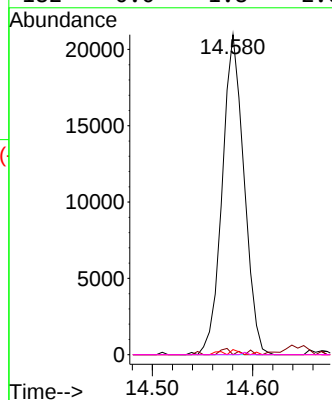
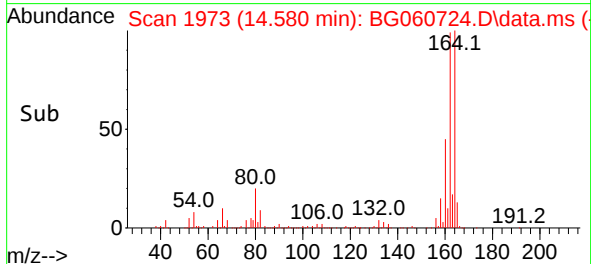


#57
2,4-Dinitrotoluene
Concen: 10.082 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.361 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Instrument :
BNA_G
ClientSampleId :
TR-04-032924

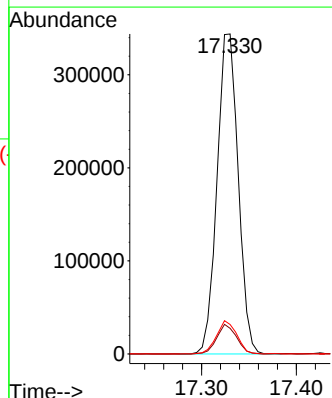
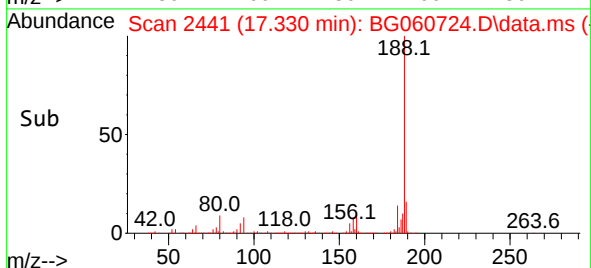
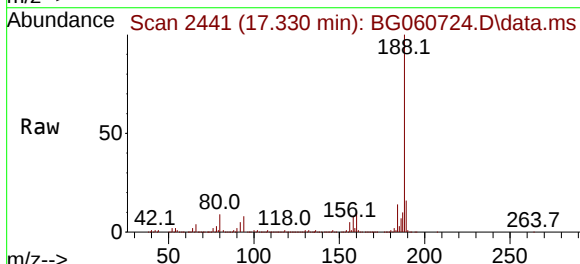


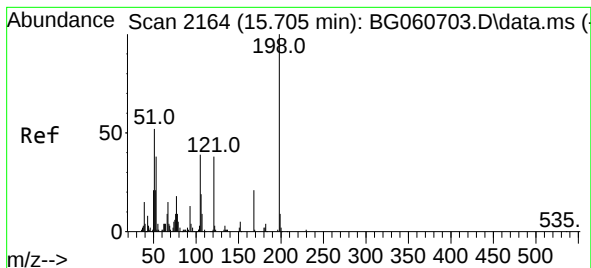
Tgt Ion:165 Resp: 31659
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.0#
89 1.6 61.0 91.6#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:188 Resp: 533477
Ion Ratio Lower Upper
188 100
94 8.0 6.6 9.8
80 9.2 7.6 11.4

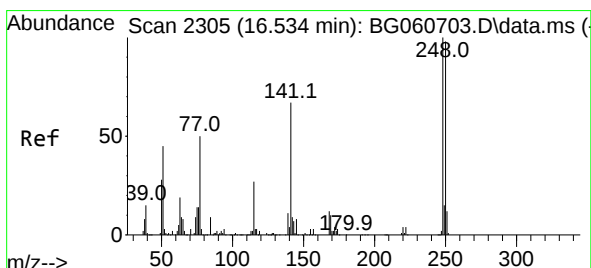
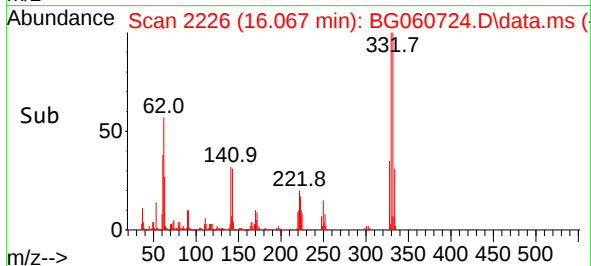
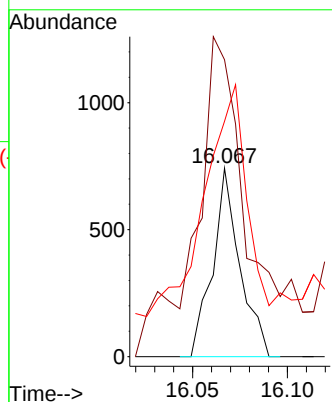
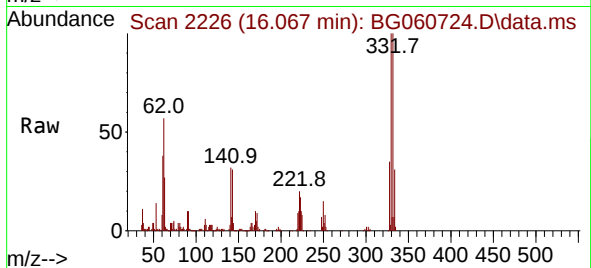




#65
4,6-Dinitro-2-methylphenol
Concen: 7.320 ng
RT: 16.067 min Scan# 2164
Delta R.T. 0.362 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

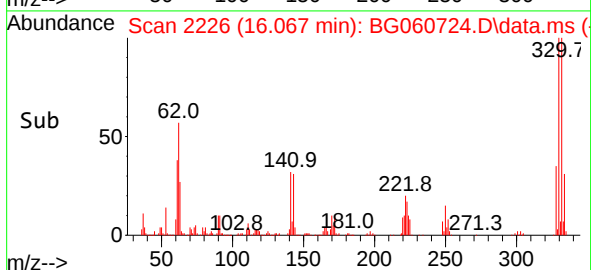
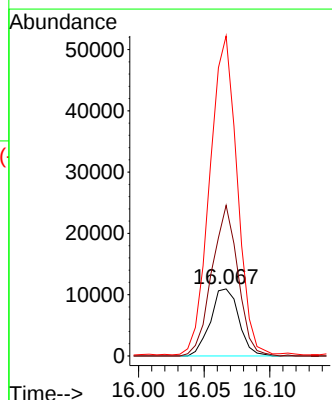
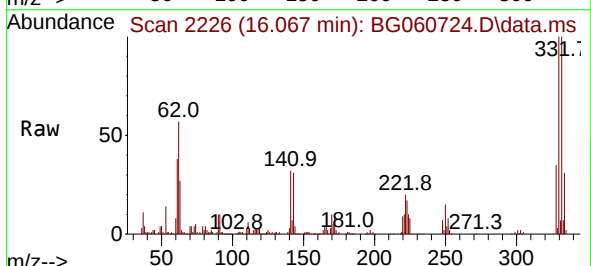
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

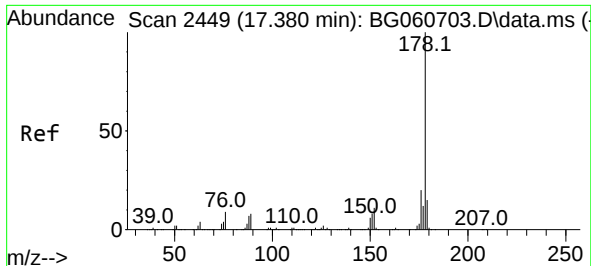
Tgt Ion:198 Resp: 739
Ion Ratio Lower Upper
198 100
51 157.5 36.7 76.7#
105 124.9 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.030 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.467 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:248 Resp: 16402
Ion Ratio Lower Upper
248 100
250 224.4 78.3 117.5#
141 476.7 53.7 80.5#

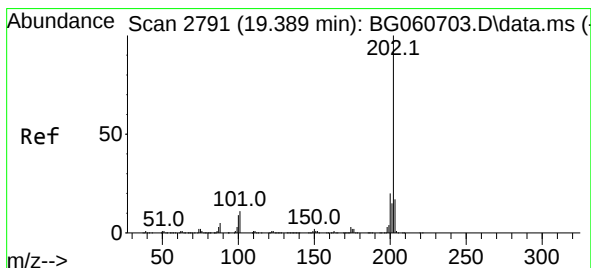
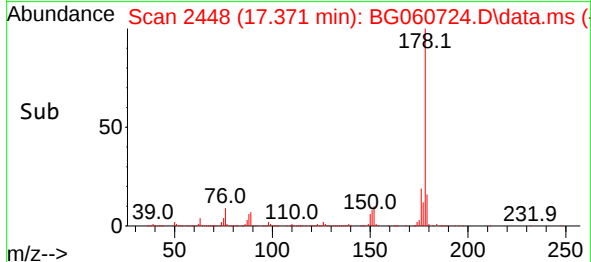
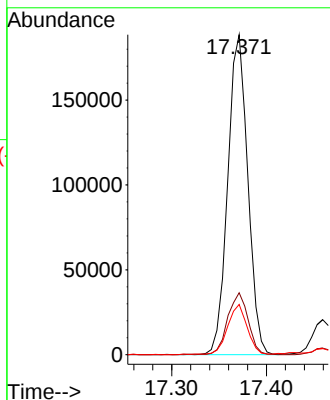
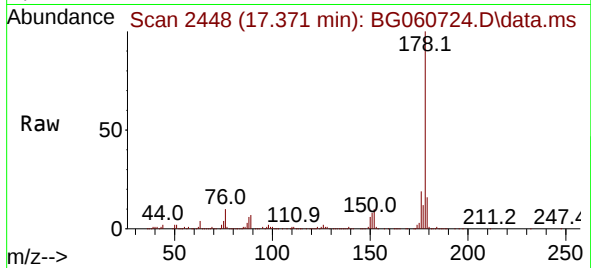




#71
Phenanthrene
Concen: 9.995 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

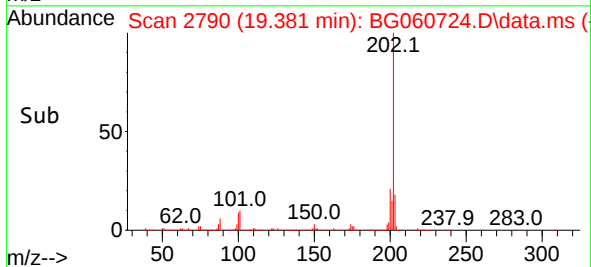
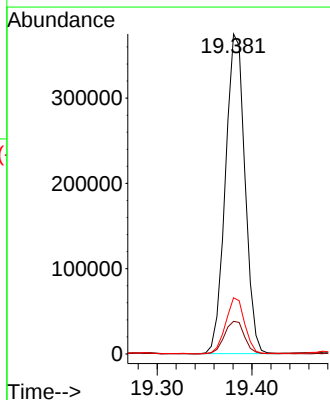
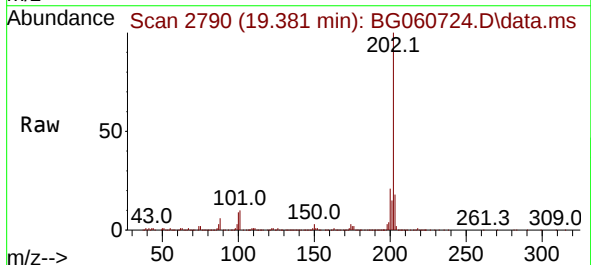
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

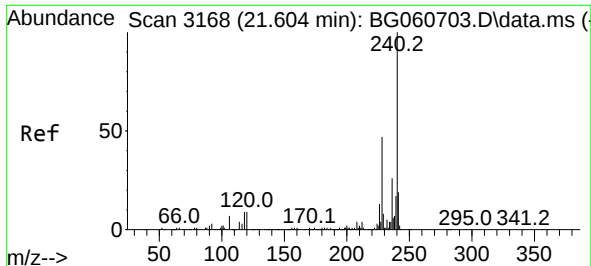
Tgt Ion:178 Resp: 277310
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.7 12.2 18.4



#75
Fluoranthene
Concen: 15.935 ng
RT: 19.381 min Scan# 2790
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:202 Resp: 536501
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.8
203 17.6 0.0 37.4

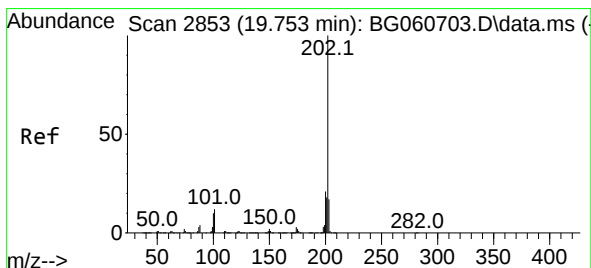
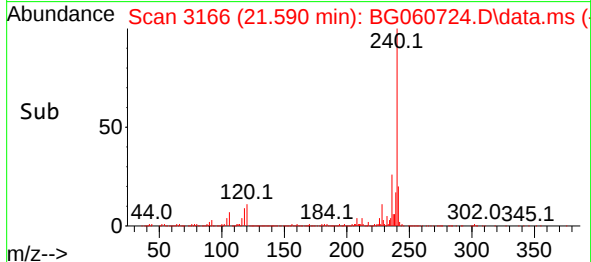
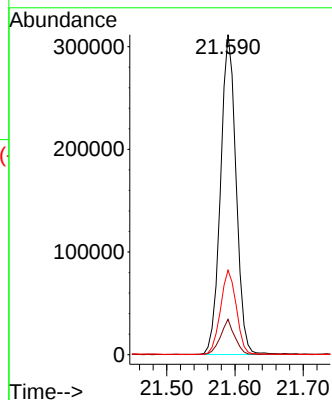
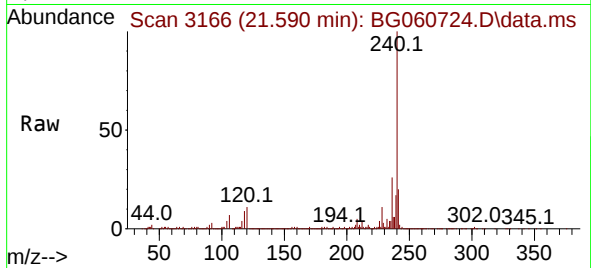




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

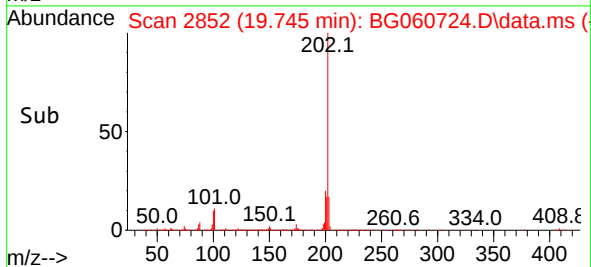
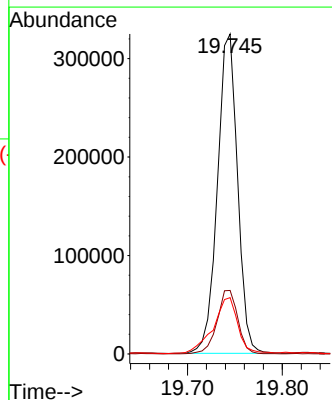
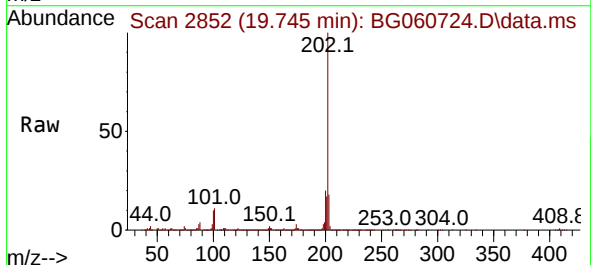
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

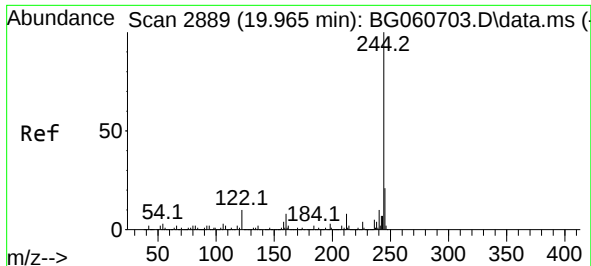
Tgt Ion:240 Resp: 493824
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7#
236 26.4 20.7 31.1



#78
Pyrene
Concen: 13.864 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.009 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

Tgt Ion:202 Resp: 478820
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 17.6 14.0 21.0

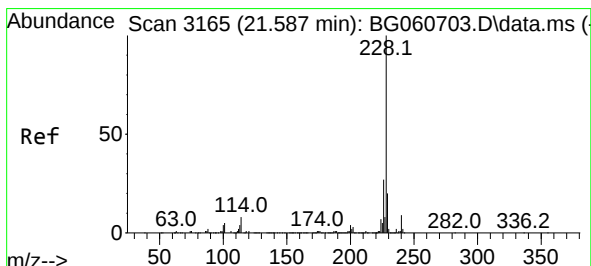
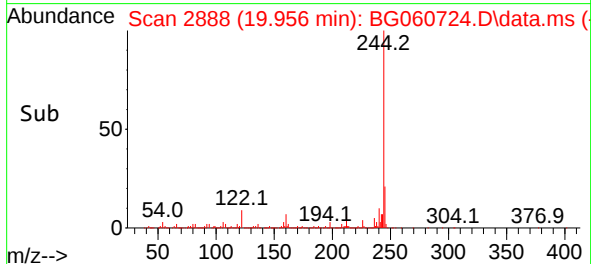
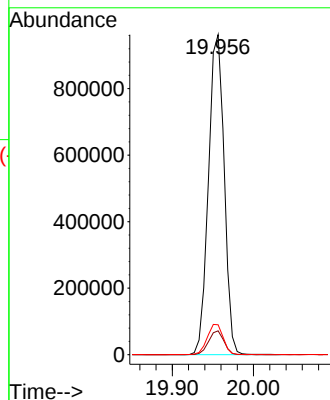
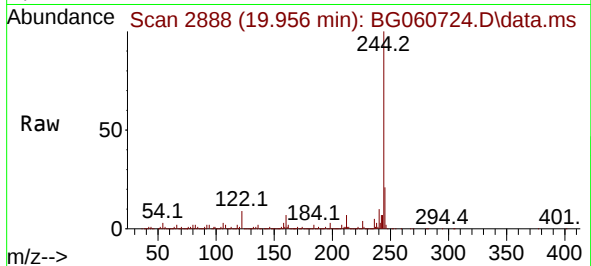




#79
 Terphenyl-d14
 Concen: 46.067 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG060724.D
 Acq: 1 Apr 2024 20:56

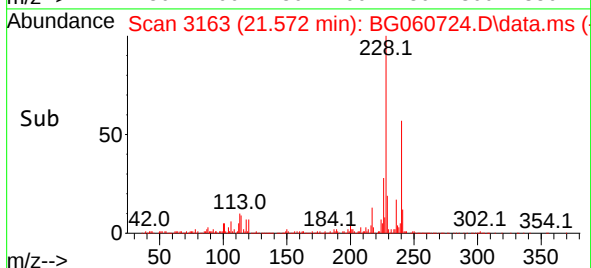
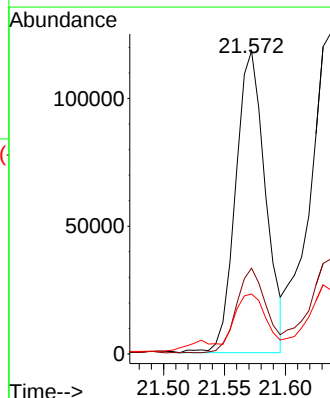
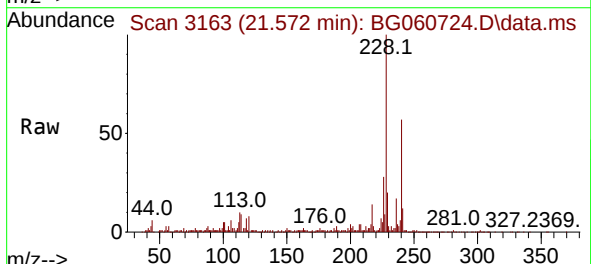
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-032924

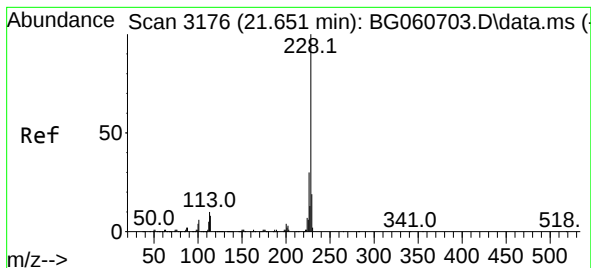
Tgt Ion:244 Resp: 1291931
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 5.762 ng
 RT: 21.572 min Scan# 3163
 Delta R.T. -0.015 min
 Lab File: BG060724.D
 Acq: 1 Apr 2024 20:56

Tgt Ion:228 Resp: 200568
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.7 32.5
 229 19.8 15.8 23.8





#83

Chrysene

Concen: 6.610 ng

RT: 21.637 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

Instrument :

BNA_G

ClientSampleId :

TR-04-032924

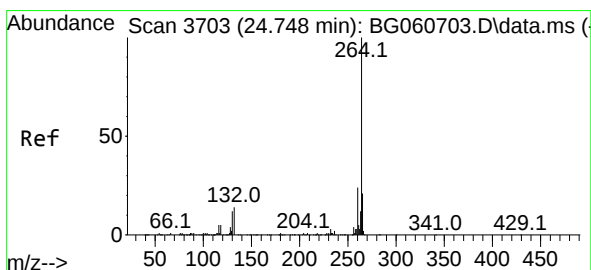
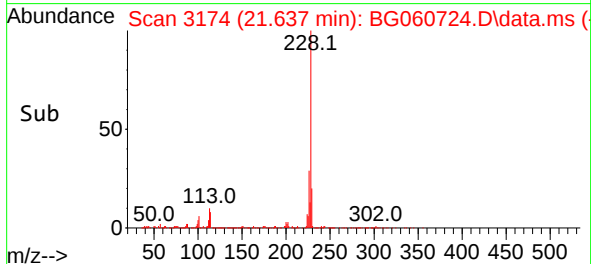
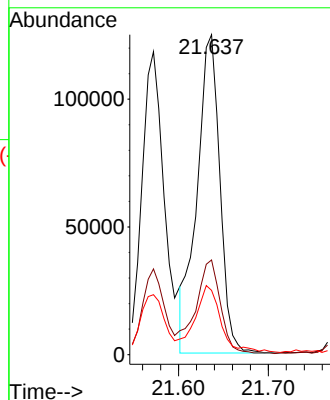
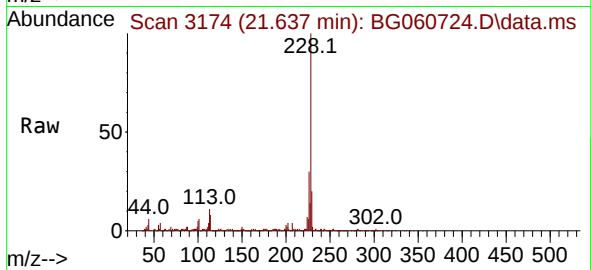
Tgt Ion:228 Resp: 221783

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

229 20.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.727 min Scan# 3700

Delta R.T. -0.020 min

Lab File: BG060724.D

Acq: 1 Apr 2024 20:56

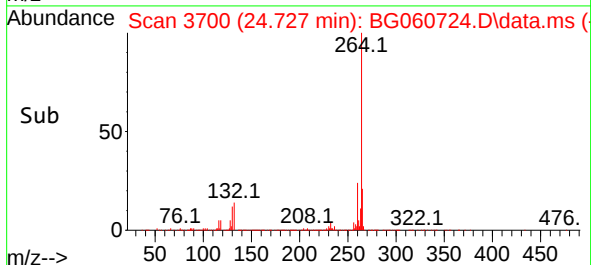
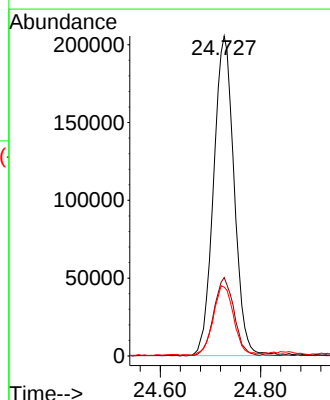
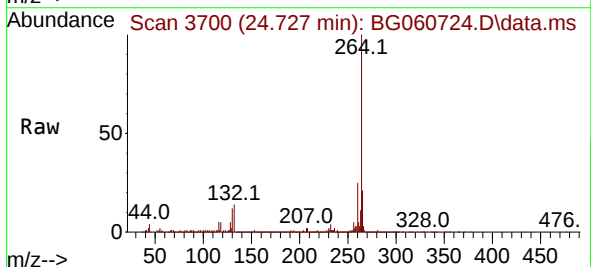
Tgt Ion:264 Resp: 581497

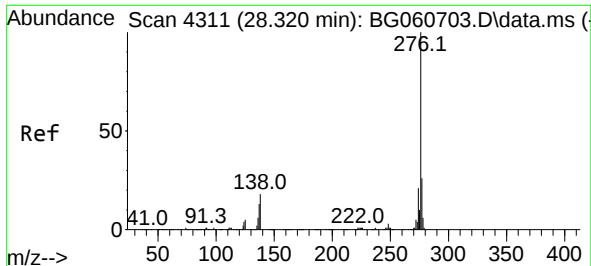
Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.5 16.9 25.3

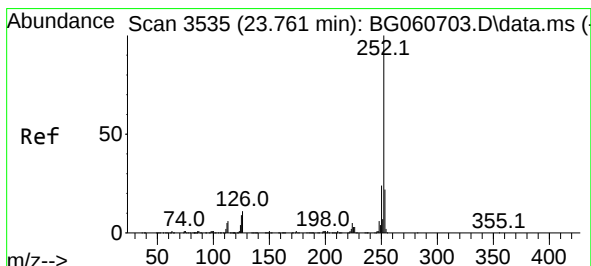
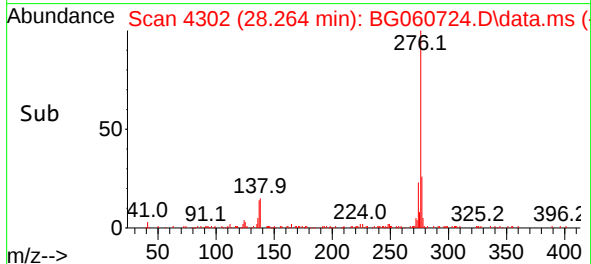
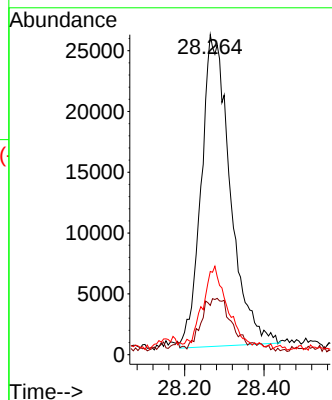
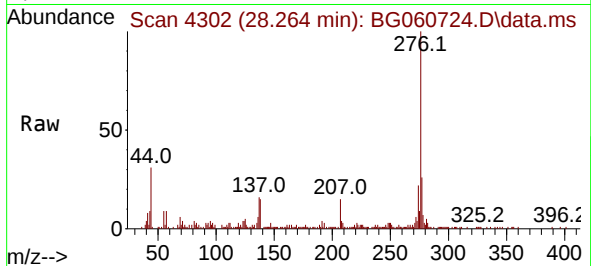




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.175 ng
 RT: 28.264 min Scan# 41
 Delta R.T. -0.056 min
 Lab File: BG060724.D
 Acq: 1 Apr 2024 20:56

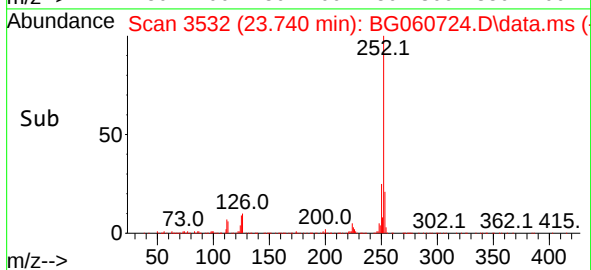
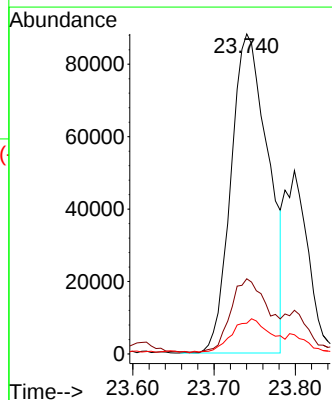
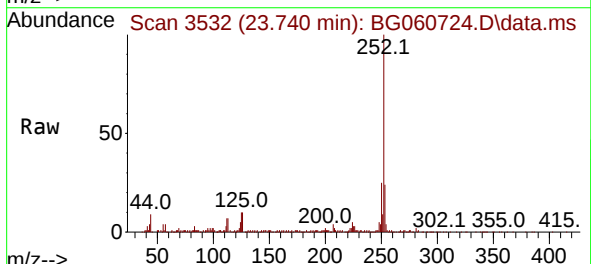
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-032924

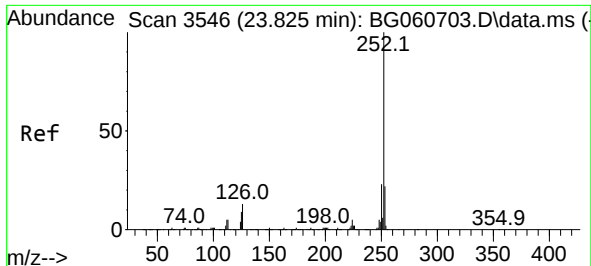
Tgt Ion:276 Resp: 130024
 Ion Ratio Lower Upper
 276 100
 138 16.3 12.4 18.6
 277 21.3 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 8.418 ng
 RT: 23.740 min Scan# 3532
 Delta R.T. -0.020 min
 Lab File: BG060724.D
 Acq: 1 Apr 2024 20:56

Tgt Ion:252 Resp: 281212
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.8 26.8
 125 9.6 7.1 10.7

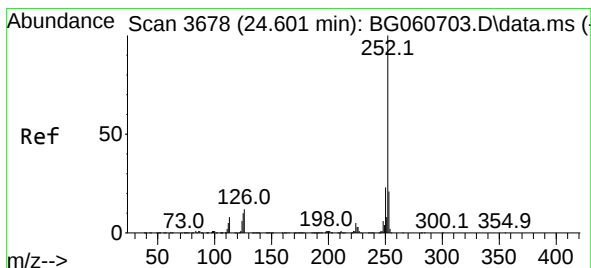
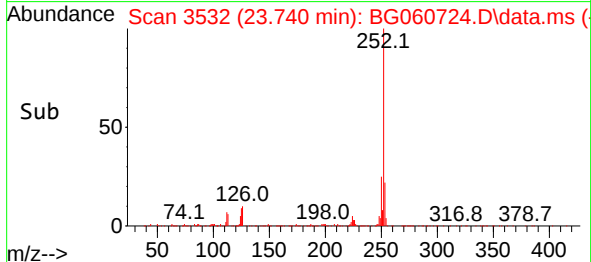
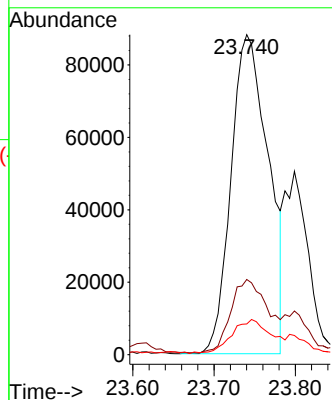
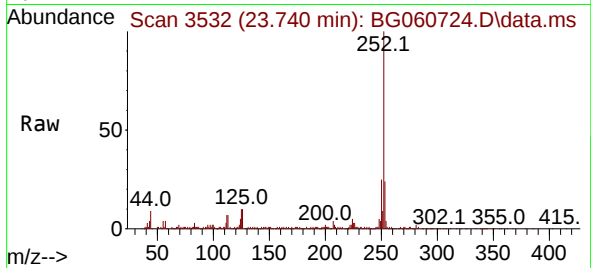




#89
Benzo(k)fluoranthene
Concen: 8.224 ng
RT: 23.740 min Scan# 31
Delta R.T. -0.085 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

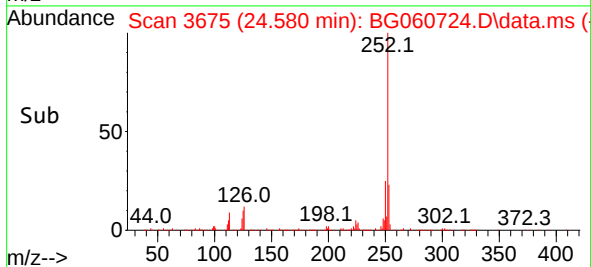
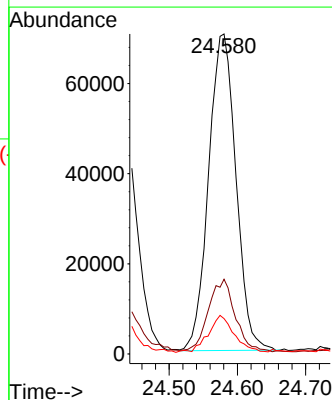
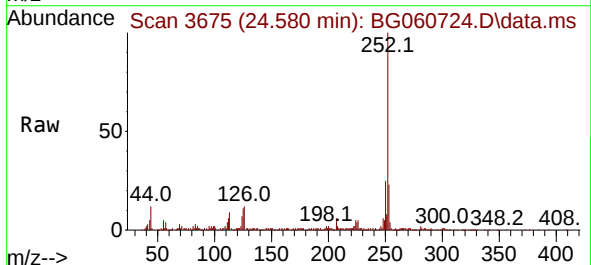
Instrument :
BNA_G
ClientSampleId :
TR-04-032924

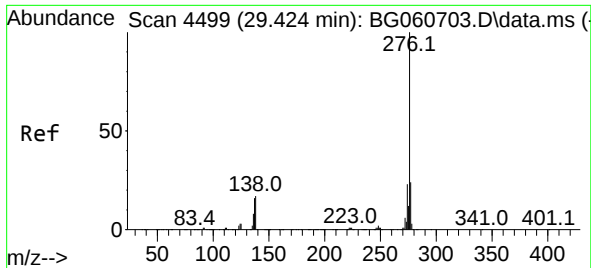
Tgt Ion:252 Resp: 281212
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 6.041 ng
RT: 24.580 min Scan# 3675
Delta R.T. -0.020 min
Lab File: BG060724.D
Acq: 1 Apr 2024 20:56

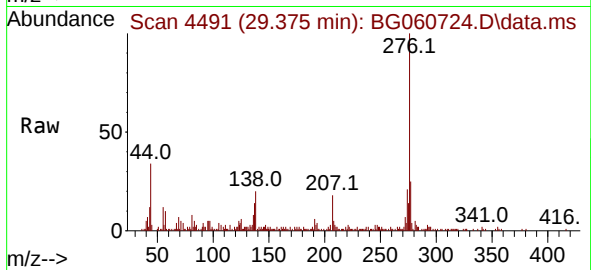
Tgt Ion:252 Resp: 196115
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 11.1 7.6 11.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.710 ng
 RT: 29.375 min Scan# 44
 Delta R.T. -0.050 min
 Lab File: BG060724.D
 Acq: 1 Apr 2024 20:56

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-032924



Tgt Ion:276 Resp: 124590

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	19.7	14.0	21.0

