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 Data File : BG049101.D
 Acq On : 25 Jun 2021 22:07
 Operator : CG/JU
 Sample : M2829-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

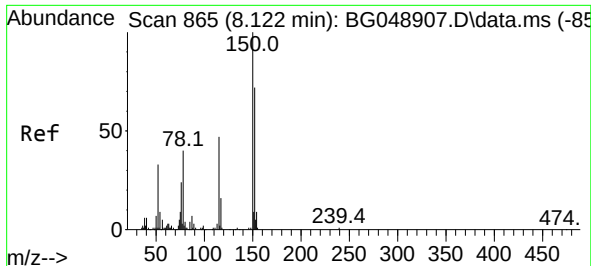
Instrument :
 BNA_G
 ClientSampleId :
 15B-DUP-01

Quant Time: Jun 26 01:35:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 24 11:02:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.108	152	42387	20.000	ng	0.00
21) Naphthalene-d8	10.929	136	163135	20.000	ng	# 0.00
39) Acenaphthene-d10	14.748	164	108950	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	222702	20.000	ng	# 0.00
76) Chrysene-d12	21.786	240	205134	20.000	ng	0.00
86) Perylene-d12	25.106	264	216030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.664	112	245569	90.186	ng	0.00
7) Phenol-d6	7.262	99	318147	77.956	ng	0.00
23) Nitrobenzene-d5	9.272	82	229094	60.554	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	158020	97.896	ng	0.00
45) 2-Fluorobiphenyl	13.373	172	499716	64.794	ng	0.00
79) Terphenyl-d14	20.100	244	692564	61.831	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.272	70	34972	10.963	ng	# 73
51) 2,6-Dinitrotoluene	14.742	165	14721	8.518	ng	# 10
57) 2,4-Dinitrotoluene	14.742	165	14721	6.934	ng	# 15
67) 4-Bromophenyl-phenylether	16.234	248	10508	3.779	ng	# 1
71) Phenanthrene	17.538	178	45751	3.651	ng	95
75) Fluoranthene	19.548	202	124637	8.248	ng	99
78) Pyrene	19.906	202	126349	8.486	ng	97
81) Benzo(a)anthracene	21.763	228	85143	5.781	ng	96
83) Chrysene	21.833	228	78762	5.577	ng	95
84) Bis(2-ethylhexyl)phtha...	21.663	149	16296	2.035	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.913	276	48825	3.003	ng	# 57
88) Benzo(b)fluoranthene	24.049	252	128861	8.368	ng	# 90
89) Benzo(k)fluoranthene	24.049	252	128861	8.819	ng	# 95
90) Benzo(a)pyrene	24.953	252	85733	6.099	ng	98
92) Benzo(g,h,i)perylene	30.100	276	44790	3.269	ng	# 93

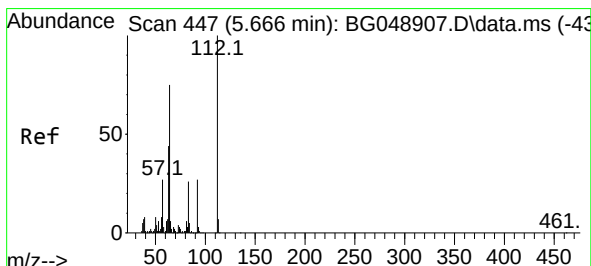
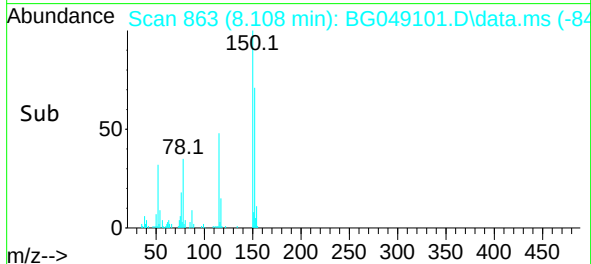
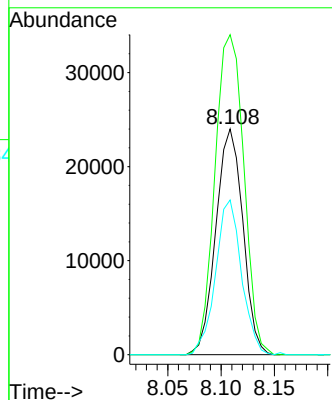
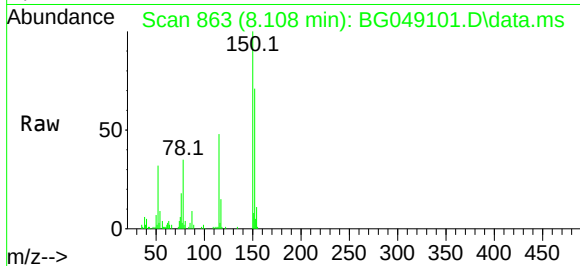
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.108 min Scan# 863
Delta R.T. 0.003 min
Lab File: BG049101.D
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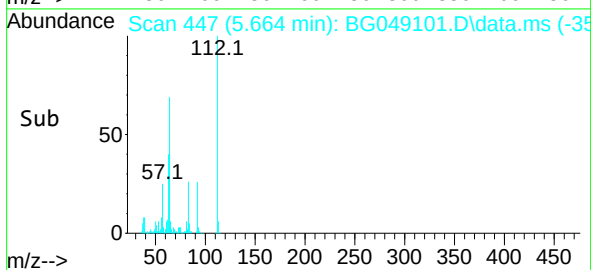
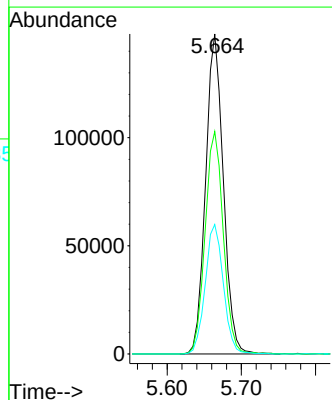
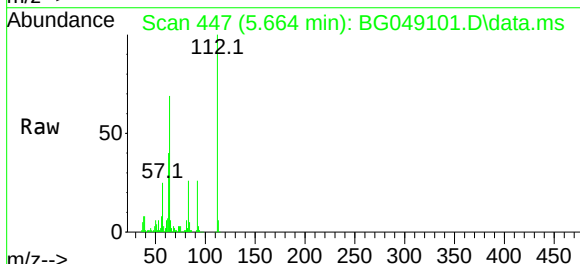
Instrument :
BNA_G
ClientSampleId :
15B-DUP-01

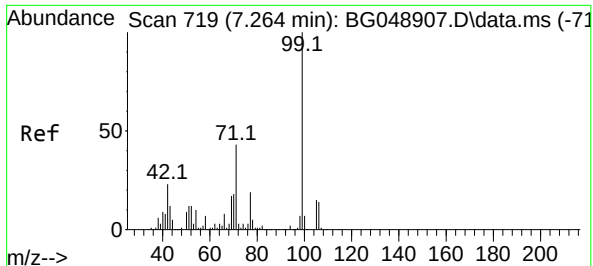
Tgt Ion:152 Resp: 42387
Ion Ratio Lower Upper
152 100
150 141.7 119.4 179.0
115 68.5 60.2 90.4



#5
2-Fluorophenol
Concen: 90.186 ng
RT: 5.664 min Scan# 447
Delta R.T. 0.009 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:112 Resp: 245569
Ion Ratio Lower Upper
112 100
64 69.5 46.7 70.1
63 40.5 35.3 52.9

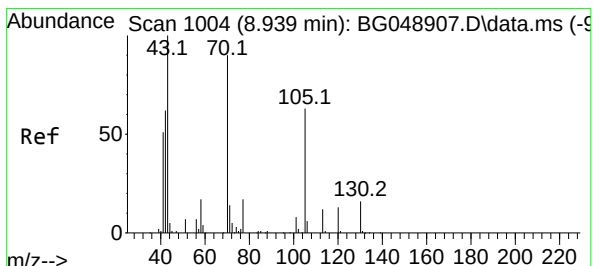
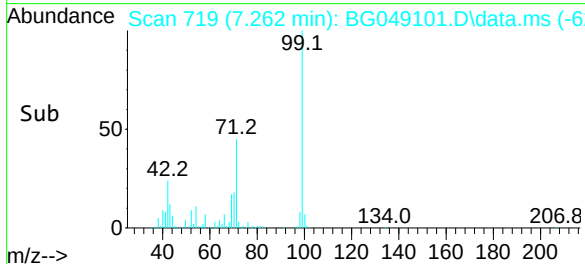
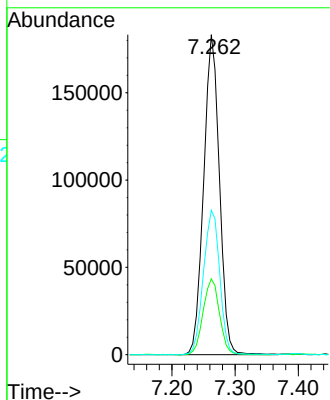
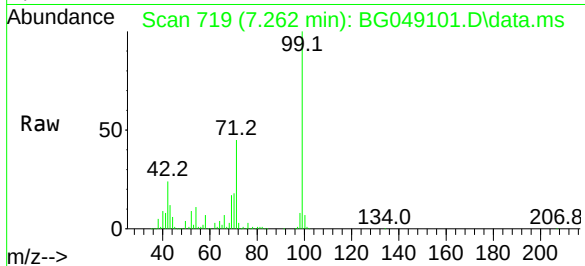




#7
Phenol-d6
Concen: 77.956 ng
RT: 7.262 min Scan# 719
Delta R.T. 0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

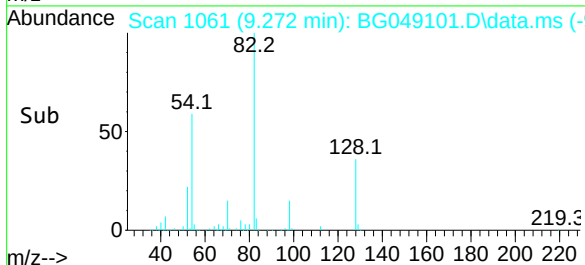
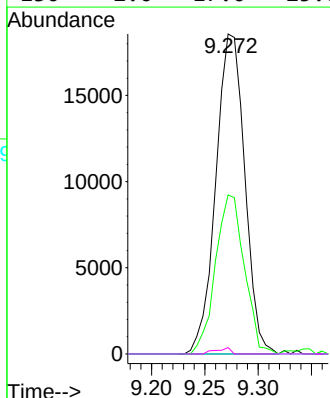
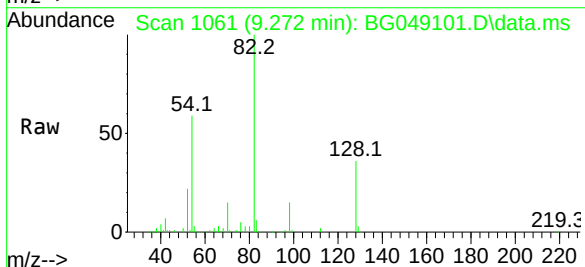
Instrument :
BNA_G
ClientSampleId :
15B-DUP-01

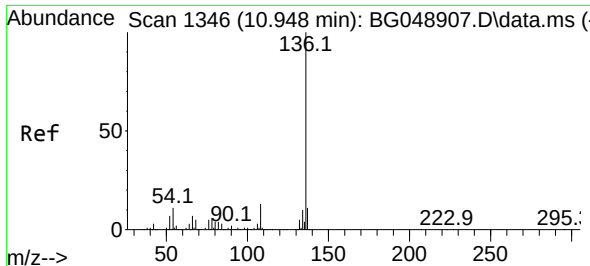
Tgt Ion: 99 Resp: 318147
Ion Ratio Lower Upper
99 100
42 23.7 20.5 30.7
71 45.2 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.963 ng
RT: 9.272 min Scan# 1061
Delta R.T. 0.361 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion: 70 Resp: 34972
Ion Ratio Lower Upper
70 100
42 49.7 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

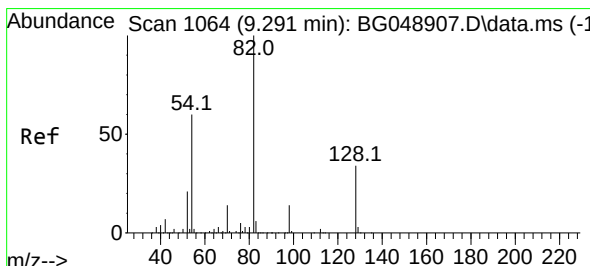
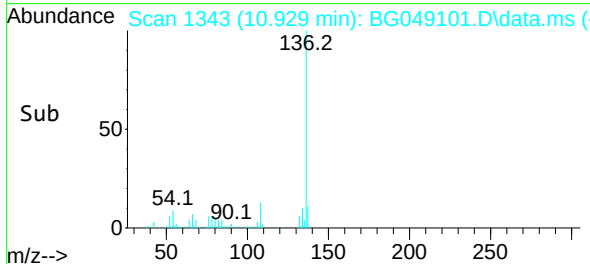
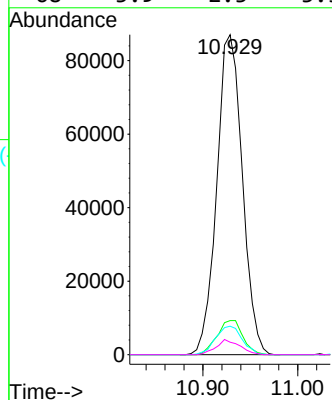
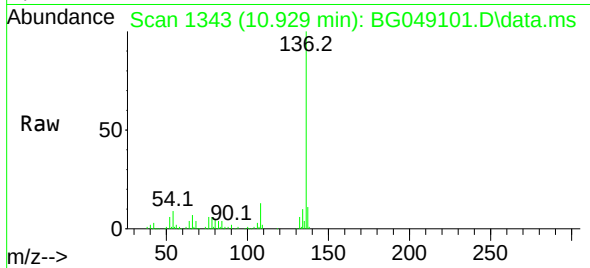




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.929 min Scan# 1343
Delta R.T. 0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

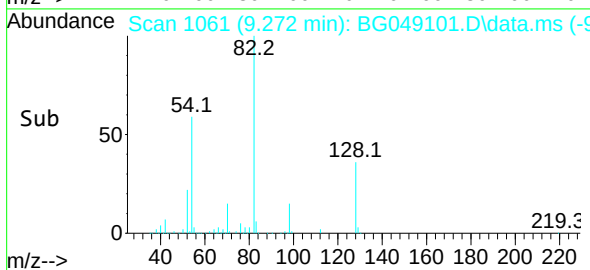
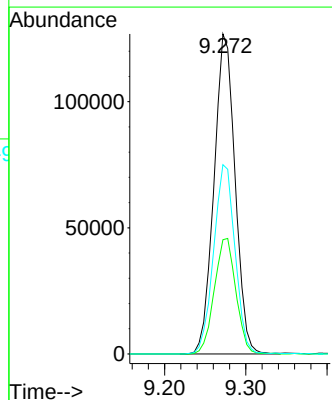
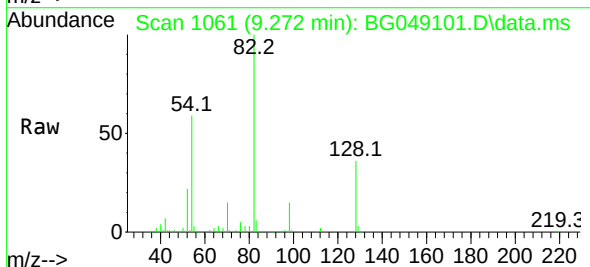
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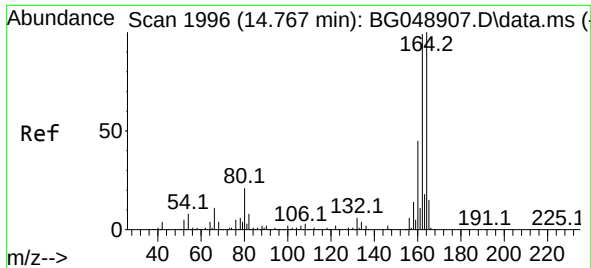
Tgt Ion:136	Resp:	163135
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.2 12.2
54	8.9	5.5 8.3#
68	3.9	2.3 3.5#



#23
Nitrobenzene-d5
Concen: 60.554 ng
RT: 9.272 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion: 82	Resp:	229094
Ion Ratio	Lower	Upper
82	100	
128	35.7	29.8 44.6
54	59.2	45.8 68.8

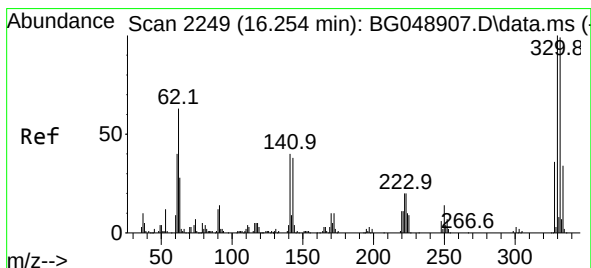
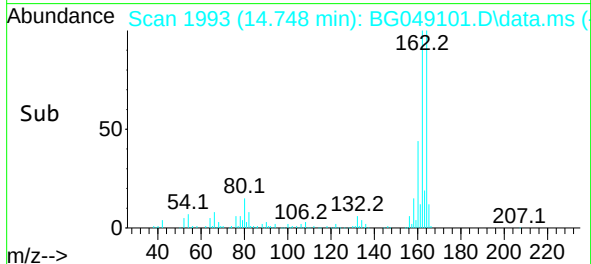
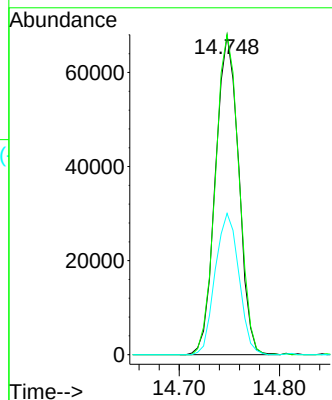
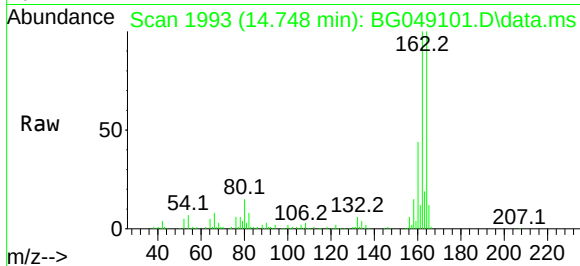




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

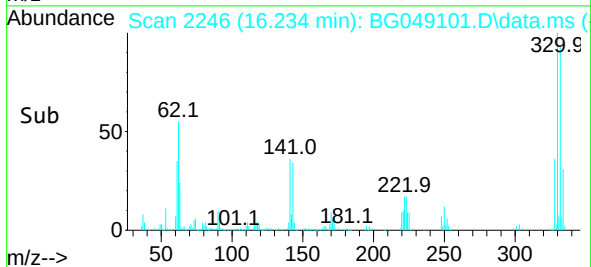
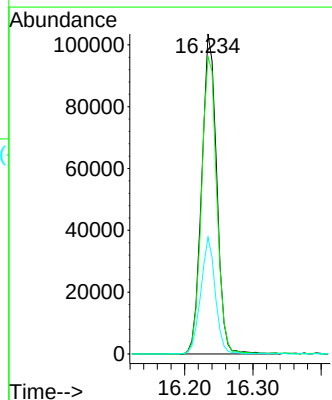
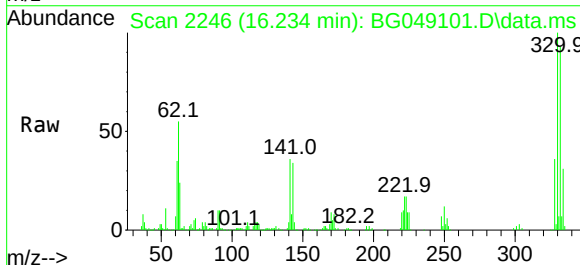
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BNA_G
ClientSampleId :
15B-DUP-01

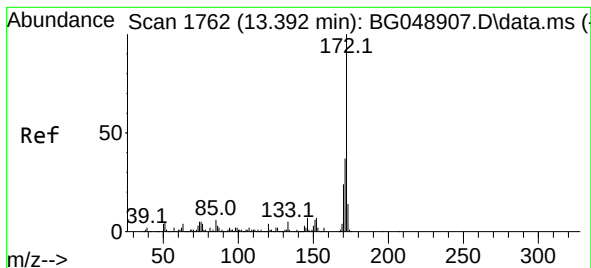
Tgt Ion:164 Resp: 108950
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 44.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 97.896 ng
RT: 16.234 min Scan# 2246
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:330 Resp: 158020
Ion Ratio Lower Upper
330 100
332 94.4 77.3 115.9
141 35.2 35.6 53.4#

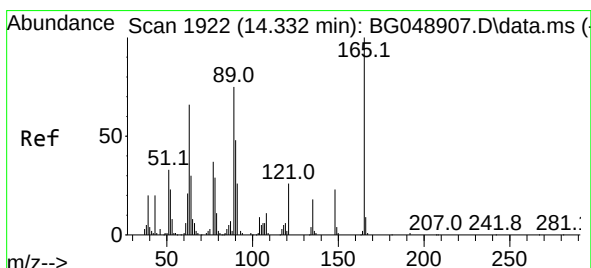
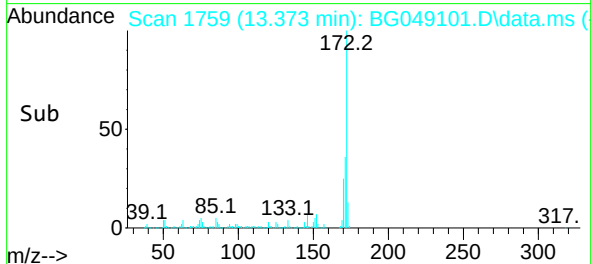
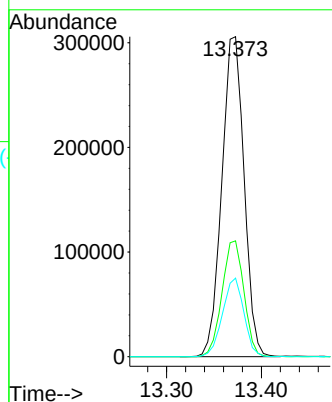
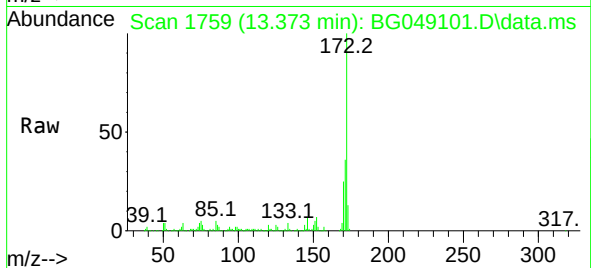




#45
2-Fluorobiphenyl
Concen: 64.794 ng
RT: 13.373 min Scan# 1759
Delta R.T. 0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

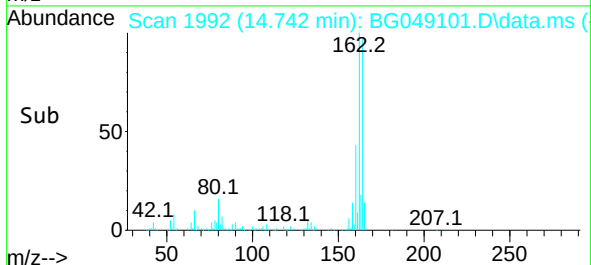
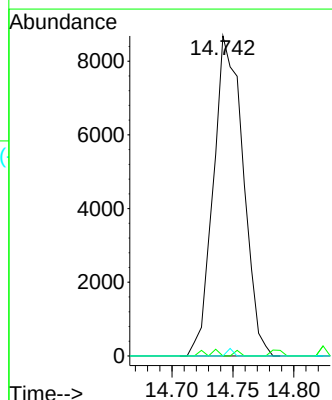
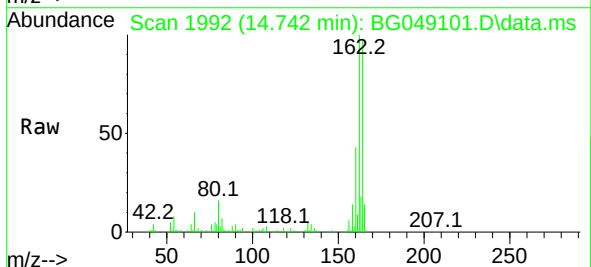
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ClientSampleId :
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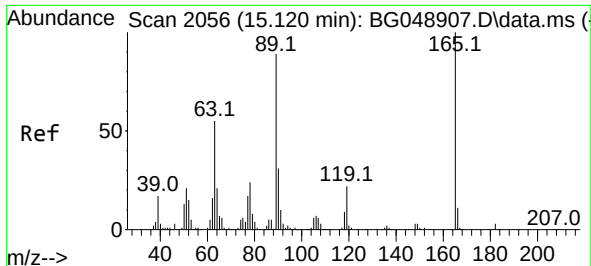
Tgt Ion:172 Resp: 499716
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.518 ng
RT: 14.742 min Scan# 1992
Delta R.T. 0.426 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:165 Resp: 14721
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#

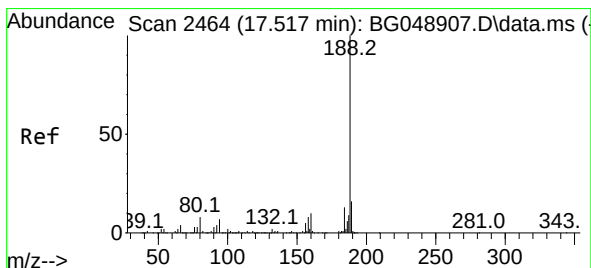
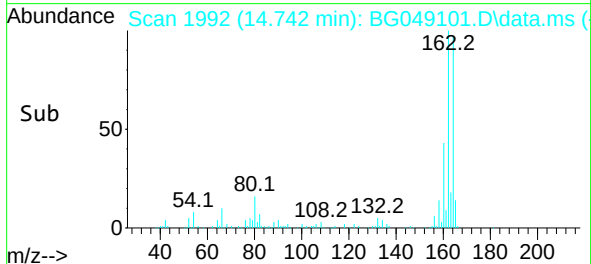
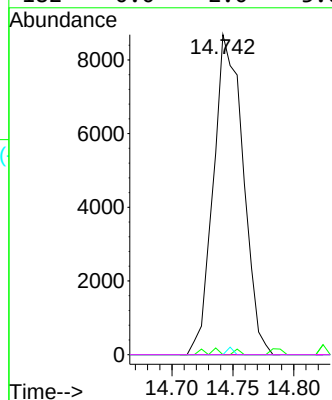
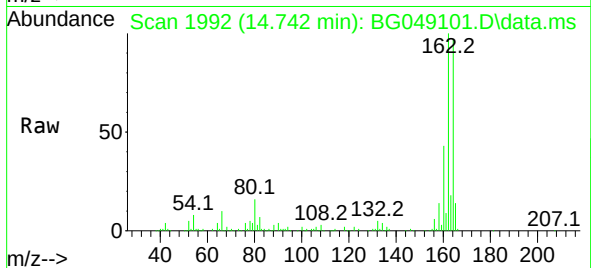




#57
2,4-Dinitrotoluene
Concen: 6.934 ng
RT: 14.742 min Scan# 1992
Delta R.T. -0.361 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

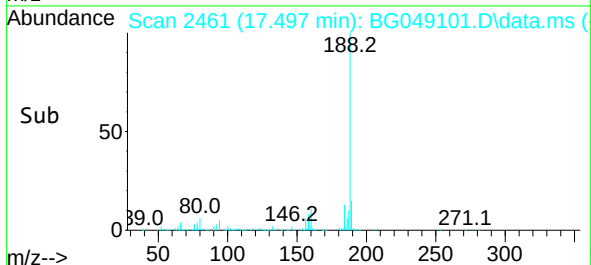
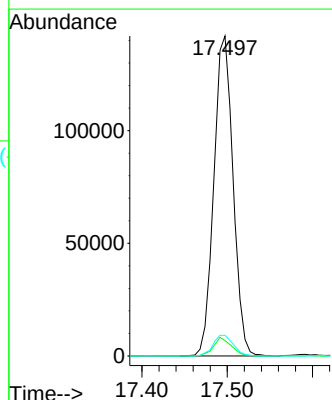
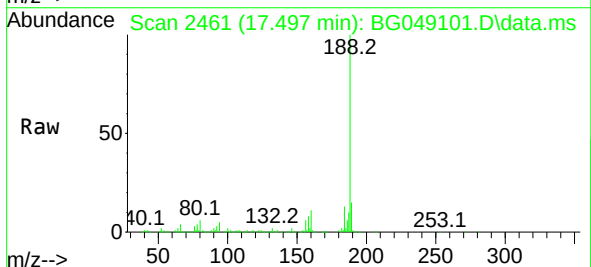
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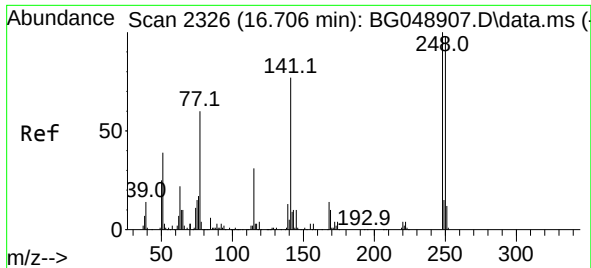
Tgt Ion:165 Resp: 14721
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:188 Resp: 222702
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 6.4 3.7 5.5#

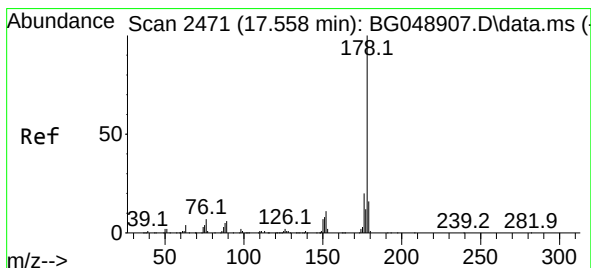
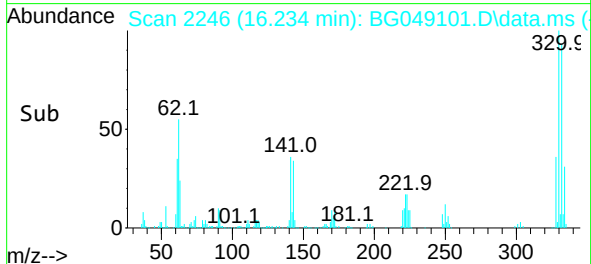
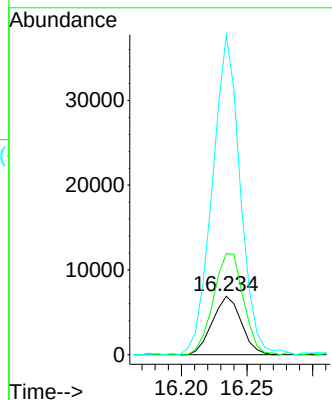
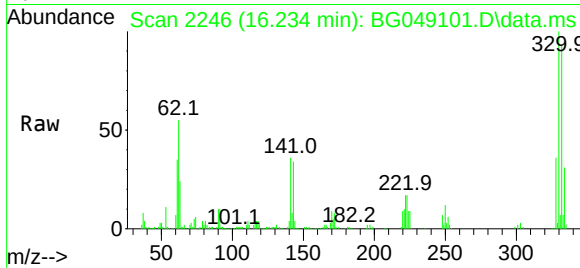




#67
4-Bromophenyl-phenylether
Concen: 3.779 ng
RT: 16.234 min Scan# 2246
Delta R.T. -0.450 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

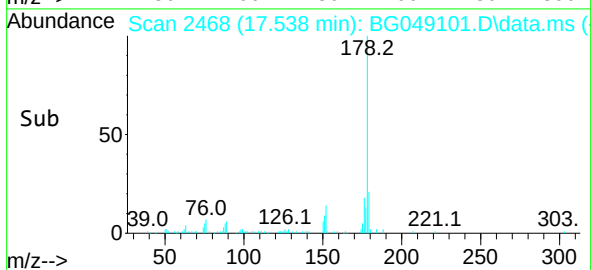
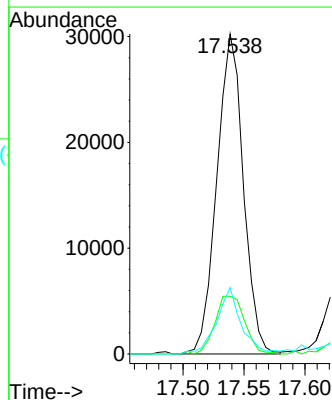
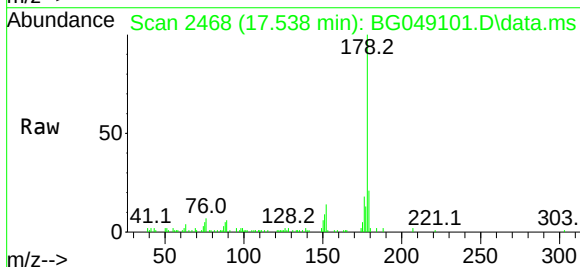
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ClientSampleId :
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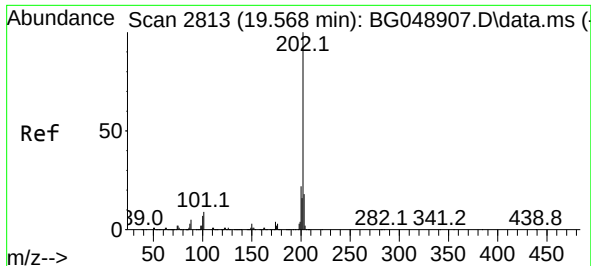
Tgt Ion:248 Resp: 10508
Ion Ratio Lower Upper
248 100
250 173.3 76.1 114.1#
141 548.5 65.4 98.2#



#71
Phenanthrene
Concen: 3.651 ng
RT: 17.538 min Scan# 2468
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:178 Resp: 45751
Ion Ratio Lower Upper
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176 18.1 16.0 24.0
179 20.8 14.2 21.4

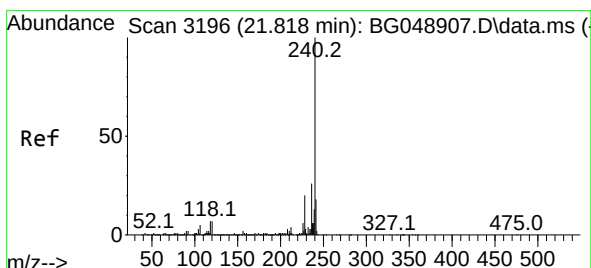
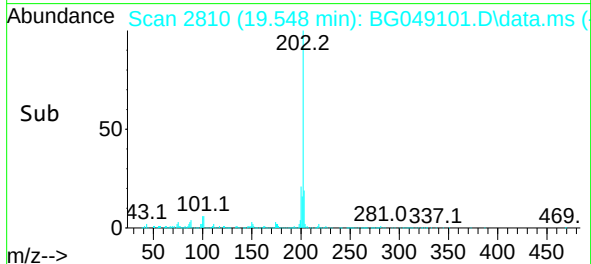
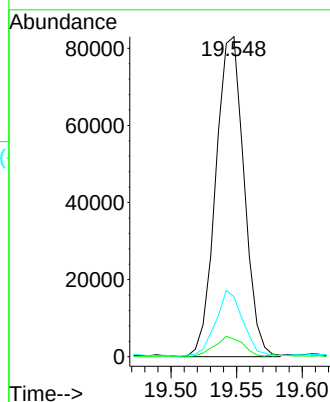
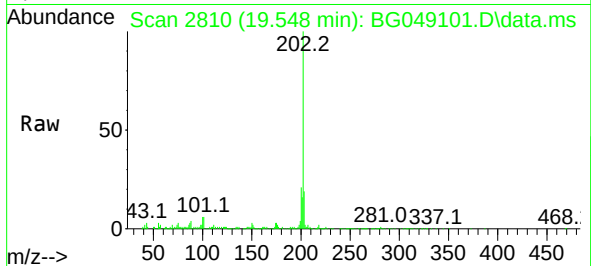




#75
Fluoranthene
Concen: 8.248 ng
RT: 19.548 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

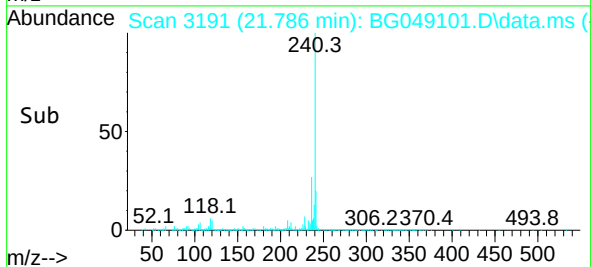
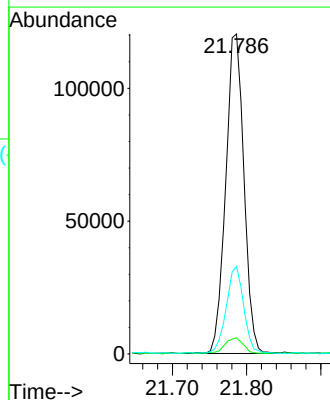
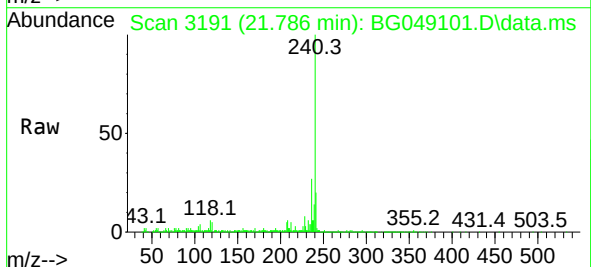
Instrument :
BNA_G
ClientSampleId :
15B-DUP-01

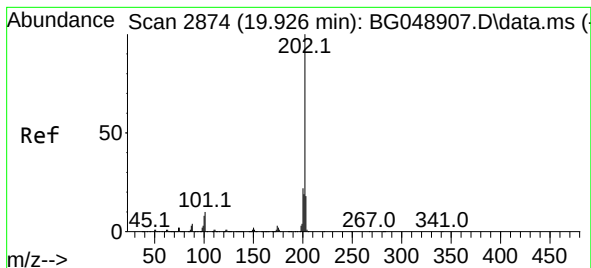
Tgt Ion:202 Resp: 124637
Ion Ratio Lower Upper
202 100
101 5.5 0.0 24.7
203 18.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.786 min Scan# 3191
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:240 Resp: 205134
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 27.3 21.8 32.6





#78

Pyrene

Concen: 8.486 ng

RT: 19.906 min Scan# 2871

Delta R.T. -0.003 min

Lab File: BG049101.D

Acq: 25 Jun 2021 22:07

Tgt Ion:202 Resp: 126349

Ion Ratio Lower Upper

202 100

200 21.0 15.8 23.8

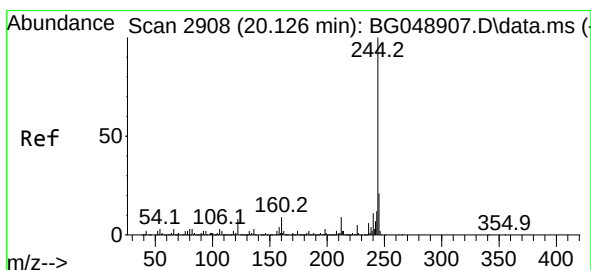
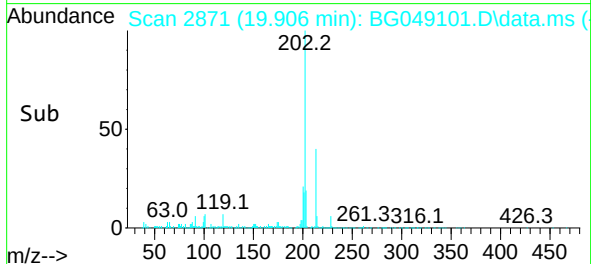
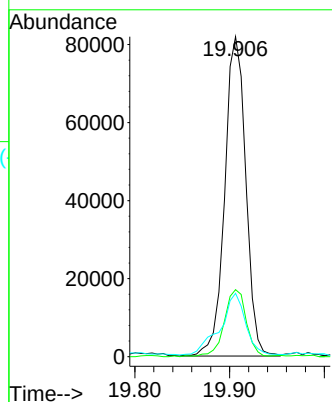
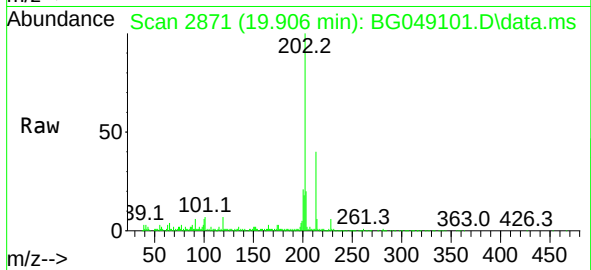
203 19.8 14.6 21.8

Instrument :

BNA_G

ClientSampleId :

15B-DUP-01



#79

Terphenyl-d14

Concen: 61.831 ng

RT: 20.100 min Scan# 2904

Delta R.T. -0.003 min

Lab File: BG049101.D

Acq: 25 Jun 2021 22:07

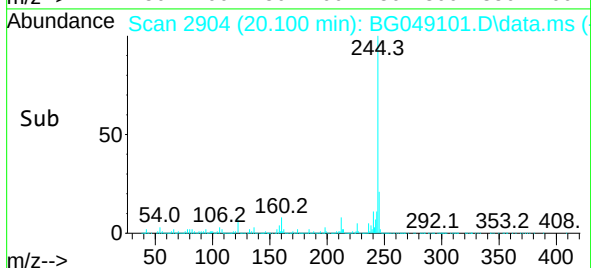
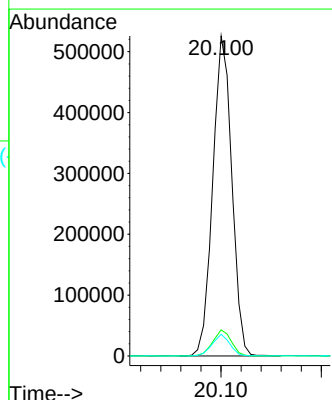
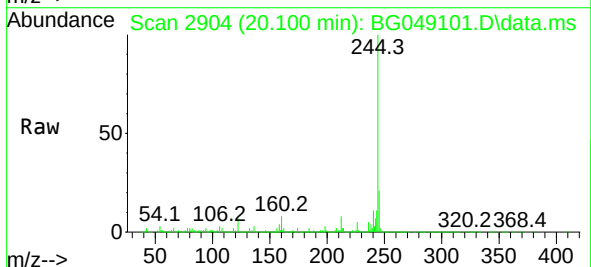
Tgt Ion:244 Resp: 692564

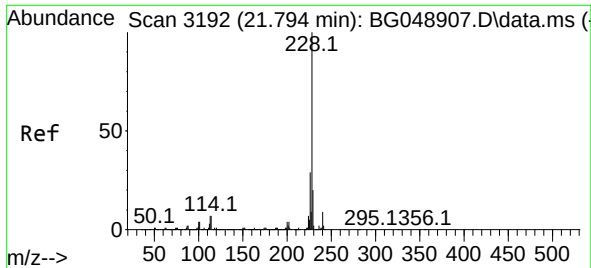
Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

122 6.7 5.0 7.6

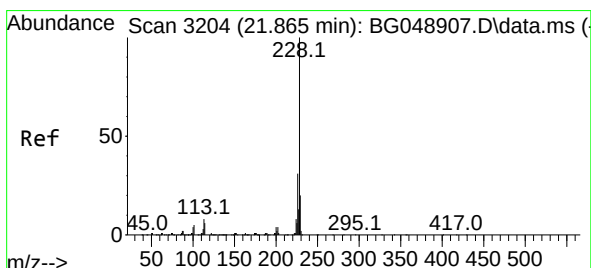
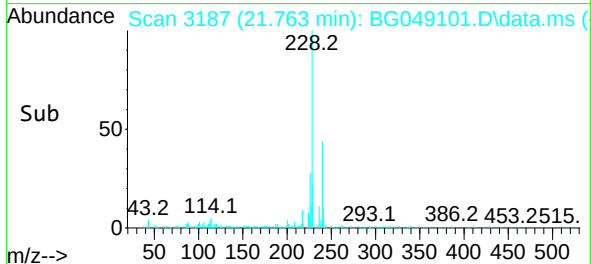
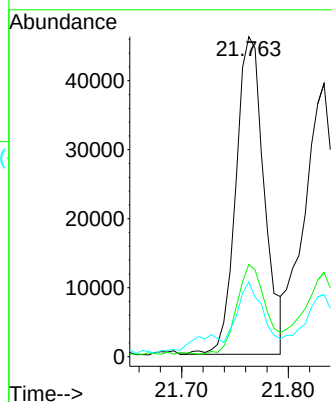
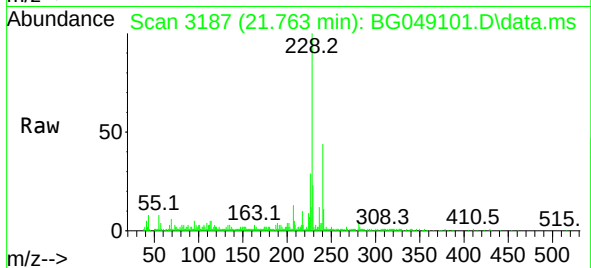




#81
Benzo(a)anthracene
Concen: 5.781 ng
RT: 21.763 min Scan# 3187
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

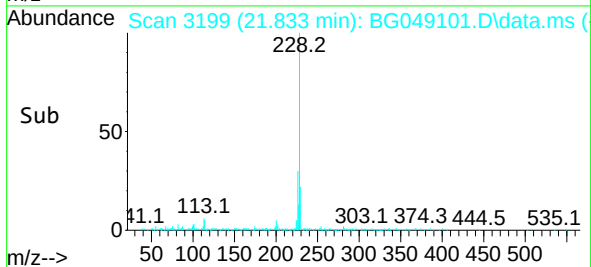
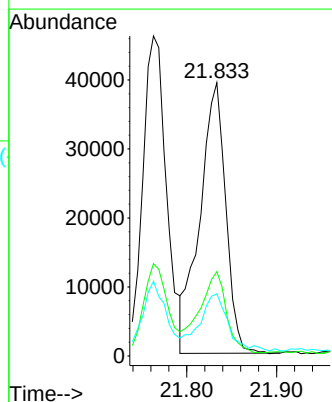
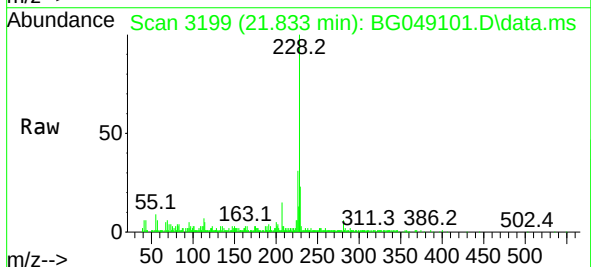
Instrument :
BNA_G
ClientSampleId :
15B-DUP-01

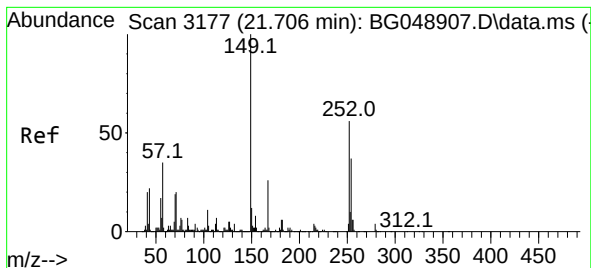
Tgt Ion:228 Resp: 85143
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 23.4 16.0 24.0



#83
Chrysene
Concen: 5.577 ng
RT: 21.833 min Scan# 3199
Delta R.T. -0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

Tgt Ion:228 Resp: 78762
Ion Ratio Lower Upper
228 100
226 30.8 23.1 34.7
229 22.8 15.3 22.9

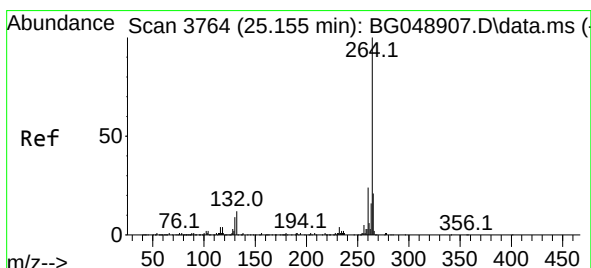
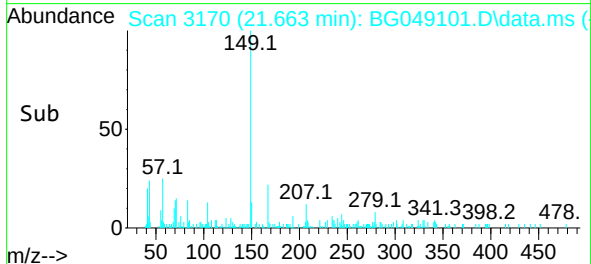
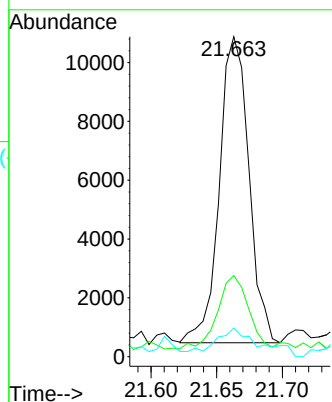
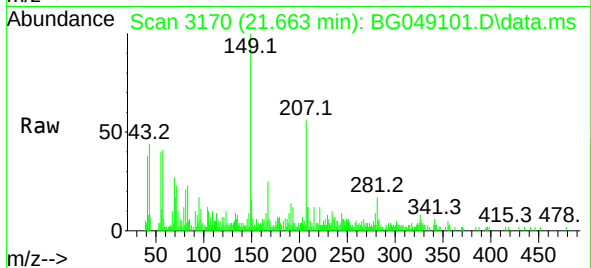




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.035 ng
 RT: 21.663 min Scan# 3170
 Delta R.T. -0.003 min
 Lab File: BG049101.D
 Acq: 25 Jun 2021 22:07

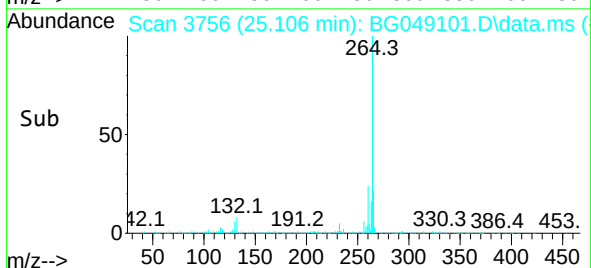
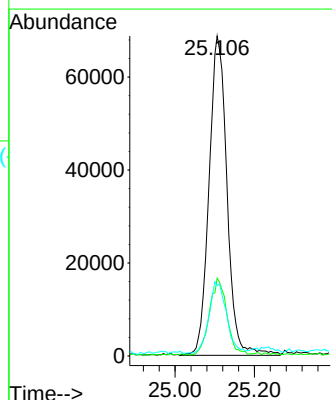
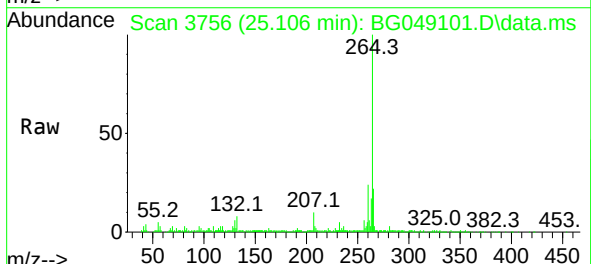
Instrument :
 BNA_G
 ClientSampleId :
 15B-DUP-01

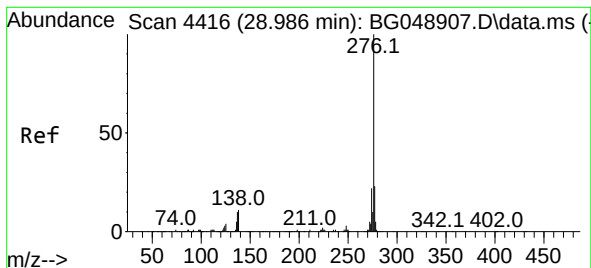
Tgt Ion:149 Resp: 16296
 Ion Ratio Lower Upper
 149 100
 167 25.3 22.3 33.5
 279 9.0 3.8 5.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.106 min Scan# 3756
 Delta R.T. 0.003 min
 Lab File: BG049101.D
 Acq: 25 Jun 2021 22:07

Tgt Ion:264 Resp: 216030
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 22.1 16.9 25.3

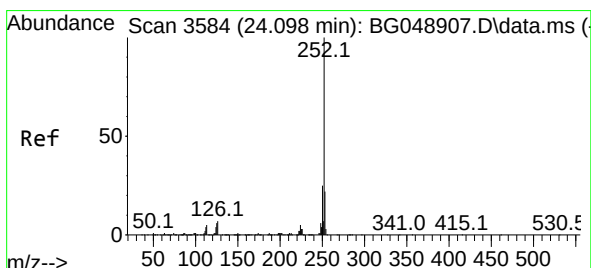
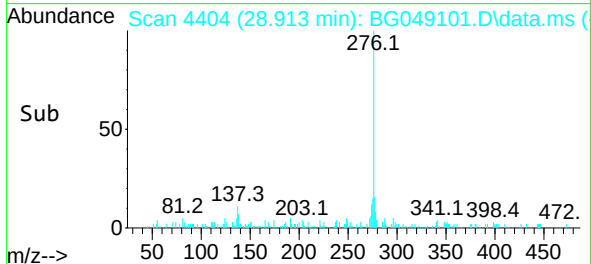
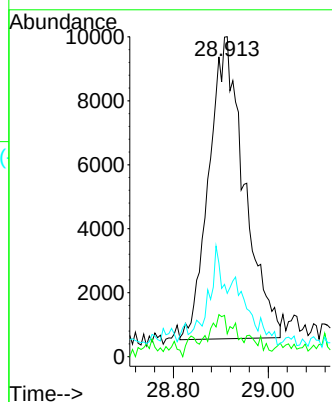
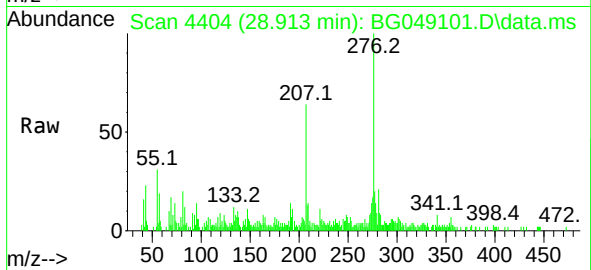




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.003 ng
 RT: 28.913 min Scan# 4404
 Delta R.T. -0.003 min
 Lab File: BG049101.D
 Acq: 25 Jun 2021 22:07

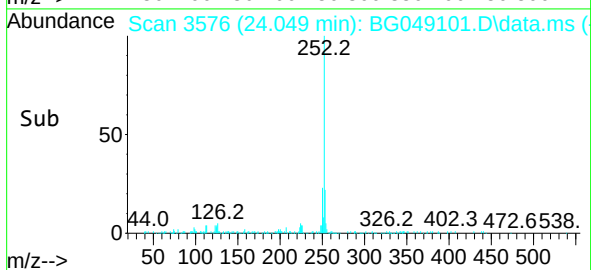
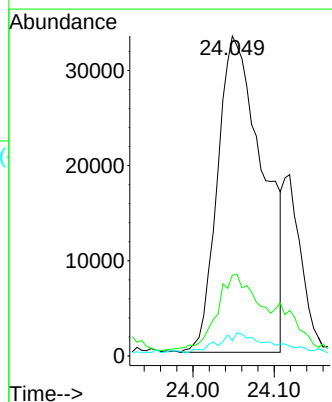
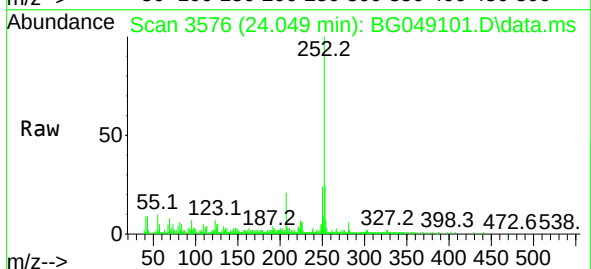
Instrument :
 BNA_G
 ClientSampleId :
 15B-DUP-01

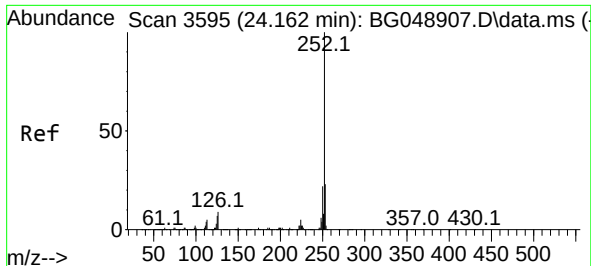
Tgt Ion:276 Resp: 48825
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.1 7.7#
 277 0.0 19.8 29.6#



#88
 Benzo(b)fluoranthene
 Concen: 8.368 ng
 RT: 24.049 min Scan# 3576
 Delta R.T. -0.003 min
 Lab File: BG049101.D
 Acq: 25 Jun 2021 22:07

Tgt Ion:252 Resp: 128861
 Ion Ratio Lower Upper
 252 100
 253 25.3 16.2 24.4#
 125 4.7 3.0 4.4#

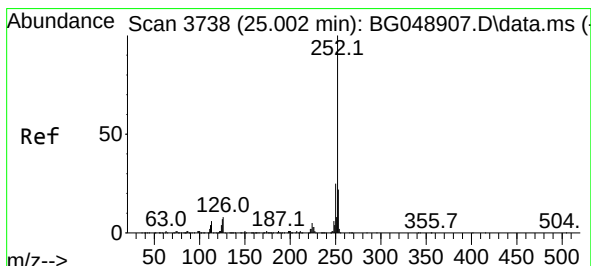
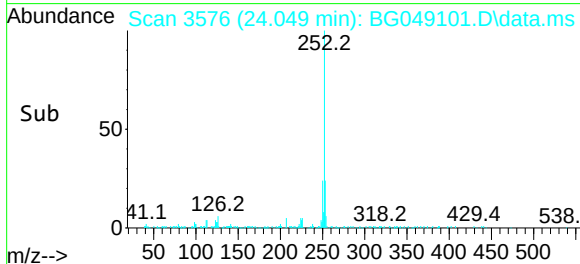
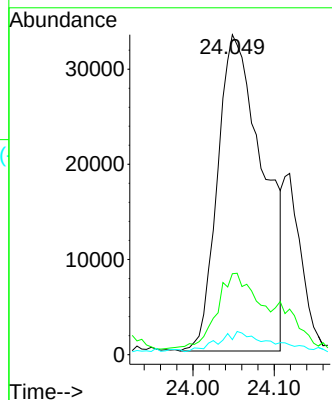
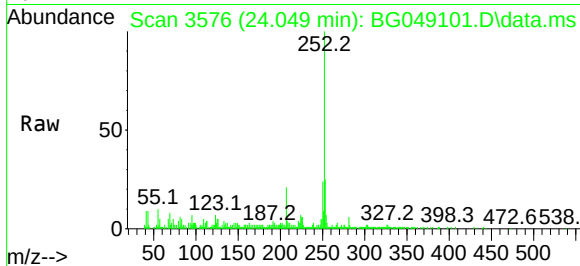




#89
Benzo(k)fluoranthene
Concen: 8.819 ng
RT: 24.049 min Scan# 3576
Delta R.T. -0.079 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

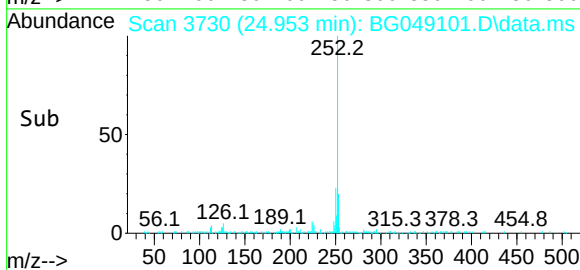
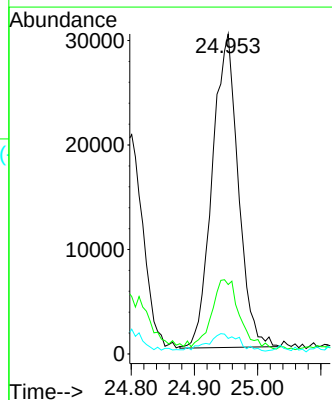
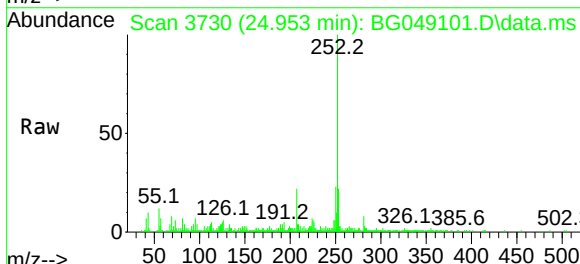
Instrument :
BNA_G
ClientSampleId :
15B-DUP-01

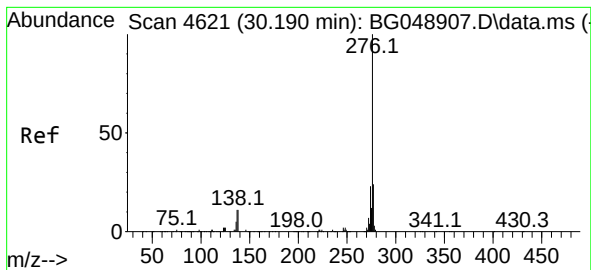
Tgt Ion:252 Resp: 128861
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 4.7 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 6.099 ng
RT: 24.953 min Scan# 3730
Delta R.T. 0.003 min
Lab File: BG049101.D
Acq: 25 Jun 2021 22:07

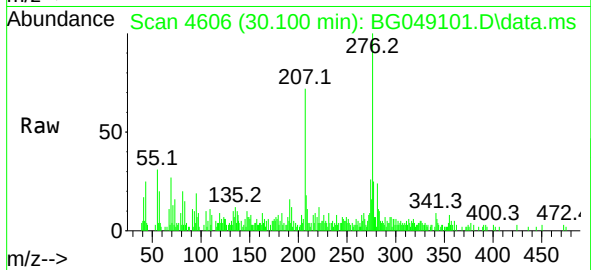
Tgt Ion:252 Resp: 85733
Ion Ratio Lower Upper
252 100
253 21.7 16.6 25.0
125 4.9 3.5 5.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.269 ng
 RT: 30.100 min Scan# 4606
 Delta R.T. -0.009 min
 Lab File: BG049101.D
 Acq: 25 Jun 2021 22:07

Instrument :
 BNA_G
 ClientSampleId :
 15B-DUP-01



Tgt Ion: 276 Resp: 44790

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.4	27.6
138	13.4	7.0	10.6

