

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049864.D
 Acq On : 17 Aug 2021 00:35
 Operator : CG/JU
 Sample : M3401-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BR-2-081221

Quant Time: Aug 17 04:44:05 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

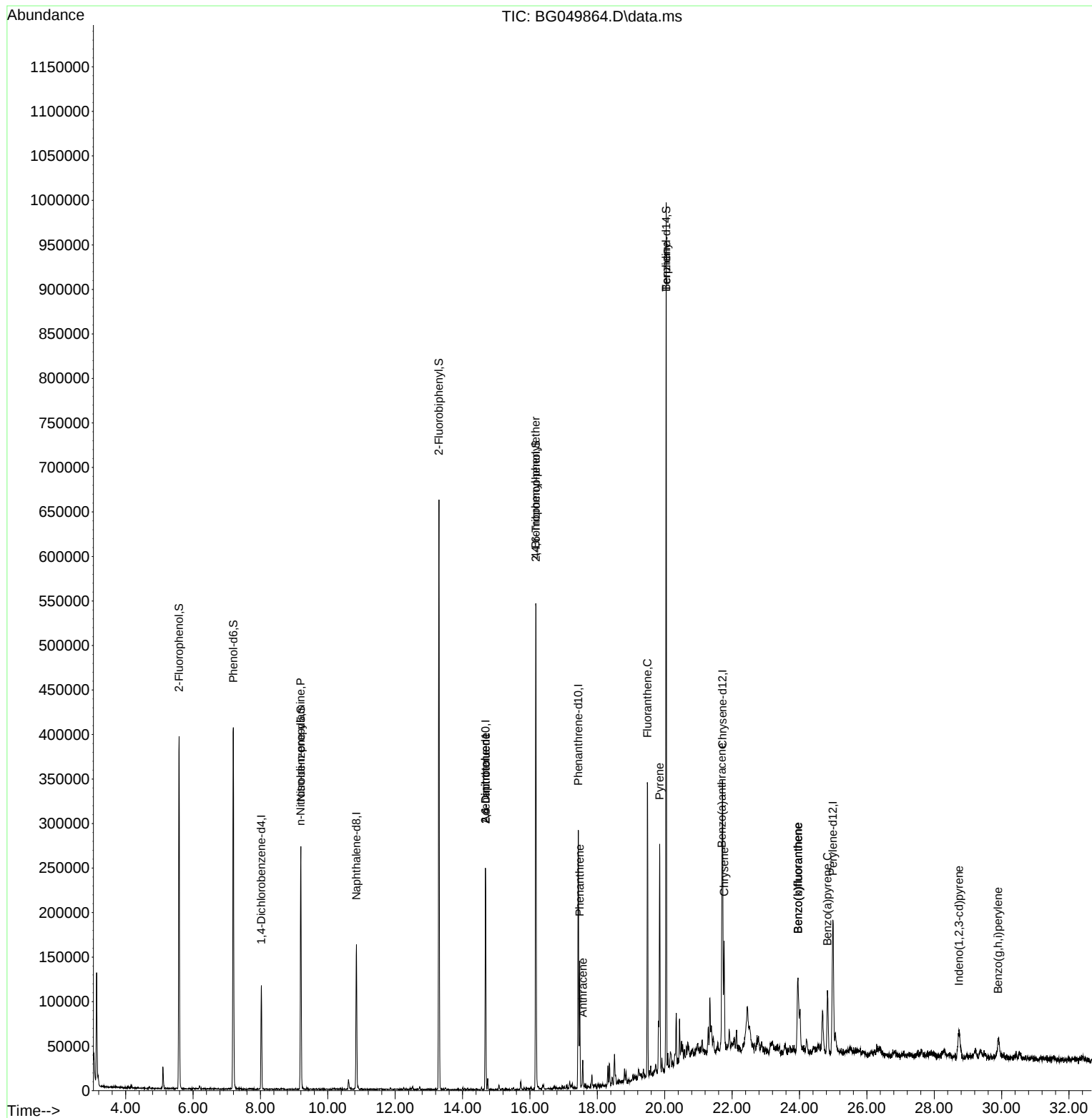
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.024	152	32840	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	137275	20.000	ng	0.00
39) Acenaphthene-d10	14.680	164	89549	20.000	ng	0.00
64) Phenanthrene-d10	17.435	188	173704	20.000	ng	# 0.00
76) Chrysene-d12	21.718	240	153895	20.000	ng	0.00
86) Perylene-d12	24.990	264	161851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	162902	88.922	ng	0.00
7) Phenol-d6	7.196	99	228288	82.322	ng	0.00
23) Nitrobenzene-d5	9.199	82	165409	53.320	ng	0.00
42) 2,4,6-Tribromophenol	16.178	330	110461	83.921	ng	0.00
45) 2-Fluorobiphenyl	13.300	172	331931	53.935	ng	0.00
79) Terphenyl-d14	20.043	244	434860	51.320	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.193	70	24460	13.181	ng	# 69
51) 2,6-Dinitrotoluene	14.680	165	12290	8.262	ng	# 10
57) 2,4-Dinitrotoluene	14.680	165	12290	5.882	ng	# 15
67) 4-Bromophenyl-phenylether	16.172	248	6873	3.360	ng	# 1
71) Phenanthrene	17.476	178	89425	9.785	ng	# 95
72) Anthracene	17.570	178	19677	2.192	ng	94
75) Fluoranthene	19.485	202	212033	18.854	ng	97
77) Benzidine	20.043	184	8551	2.169	ng	97
78) Pyrene	19.850	202	174140	16.598	ng	99
81) Benzo(a)anthracene	21.694	228	99129	9.891	ng	97
83) Chrysene	21.765	228	85086	8.881	ng	95
87) Indeno(1,2,3-cd)pyrene	28.732	276	51372	4.401	ng	# 60
88) Benzo(b)fluoranthene	23.956	252	110991	10.456	ng	# 94
89) Benzo(k)fluoranthene	23.956	252	110991	11.210	ng	# 98
90) Benzo(a)pyrene	24.831	252	78034	8.123	ng	# 93
92) Benzo(g,h,i)perylene	29.895	276	25522	2.649	ng	# 90

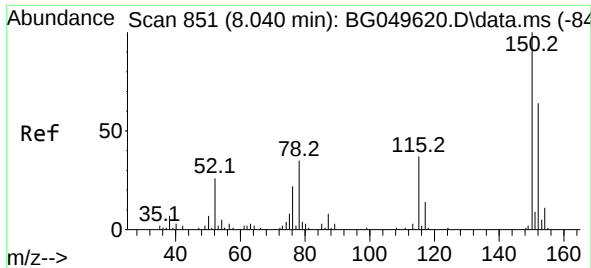
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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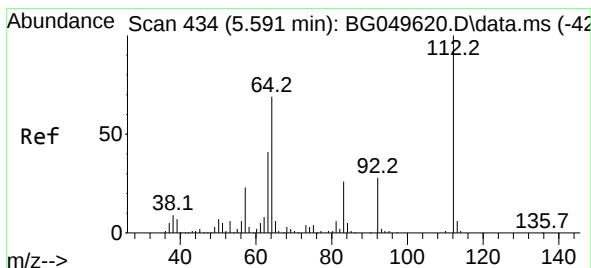
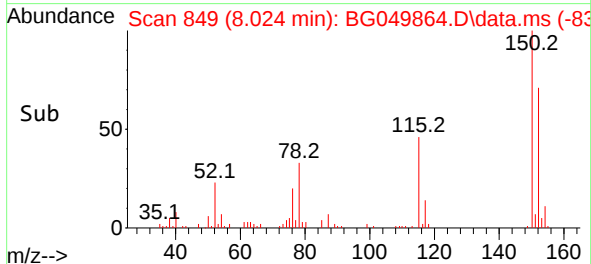
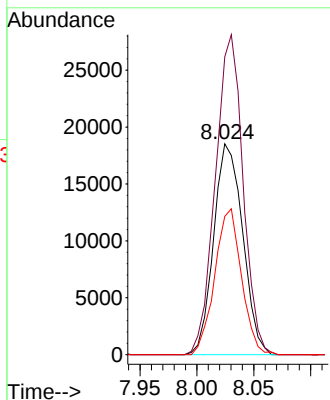
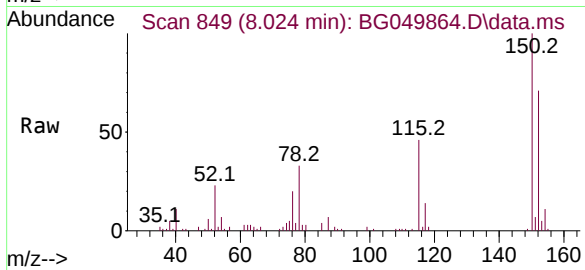




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.024 min Scan# 849
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

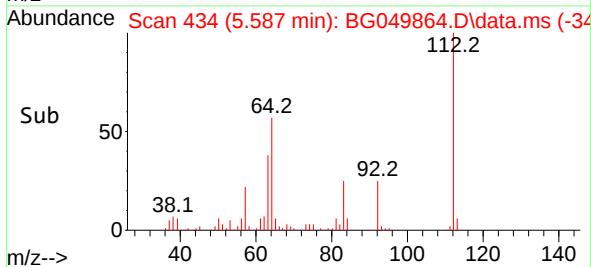
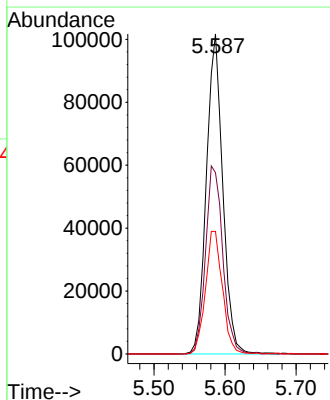
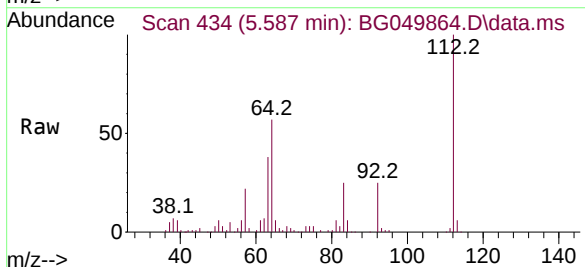
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BNA_G
ClientSampleId :
BR-2-081221

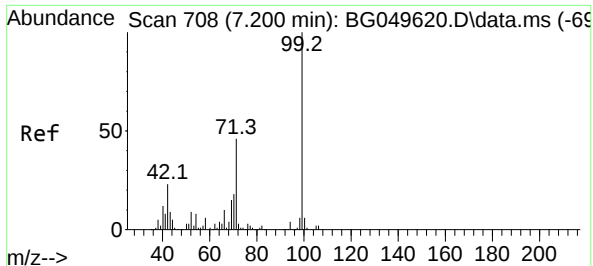
Tgt Ion:152 Resp: 32840
Ion Ratio Lower Upper
152 100
150 141.2 119.4 179.0
115 65.6 60.2 90.4



#5
2-Fluorophenol
Concen: 88.922 ng
RT: 5.587 min Scan# 434
Delta R.T. 0.008 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:112 Resp: 162902
Ion Ratio Lower Upper
112 100
64 56.7 46.7 70.1
63 38.3 35.3 52.9

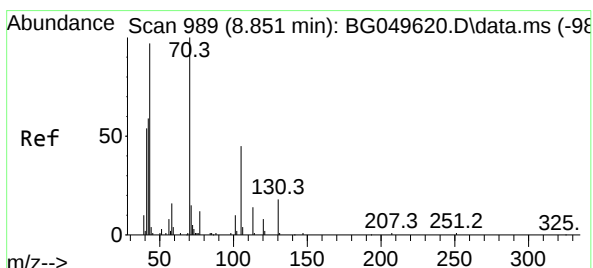
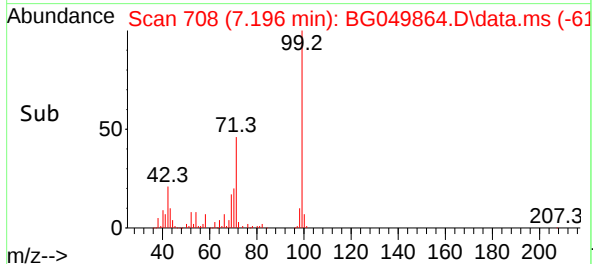
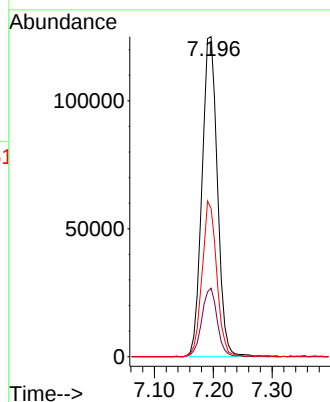
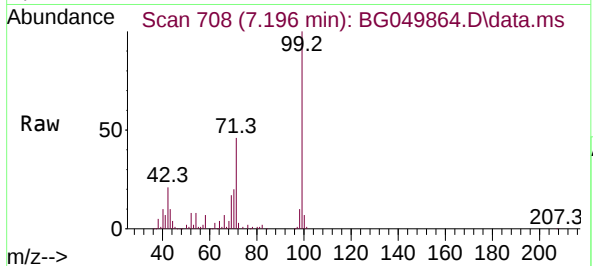




#7
Phenol-d6
Concen: 82.322 ng
RT: 7.196 min Scan# 708
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

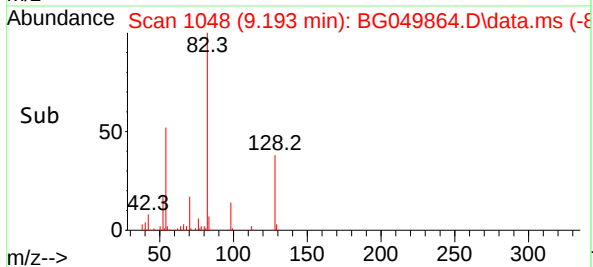
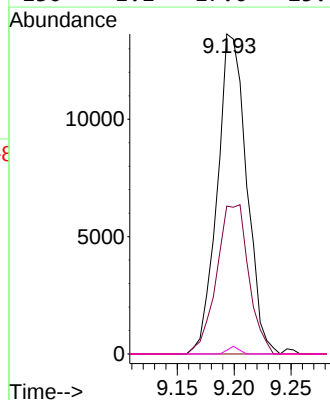
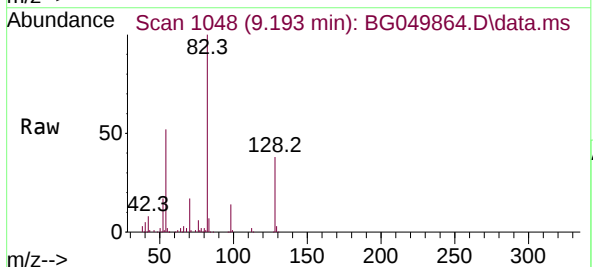
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

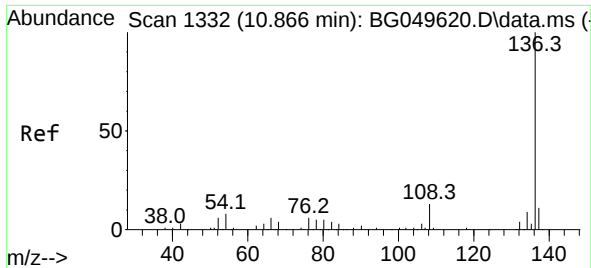
Tgt Ion: 99 Resp: 228288
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 46.3 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.181 ng
RT: 9.193 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion: 70 Resp: 24460
Ion Ratio Lower Upper
70 100
42 46.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.1 17.0 25.6#

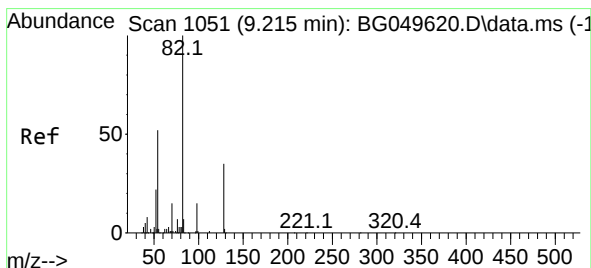
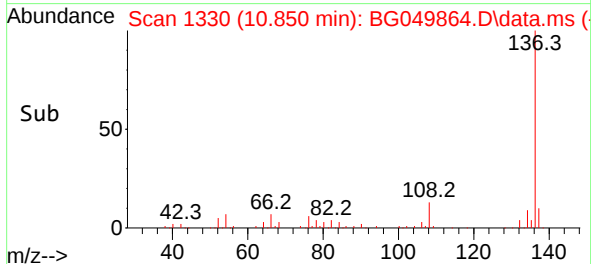
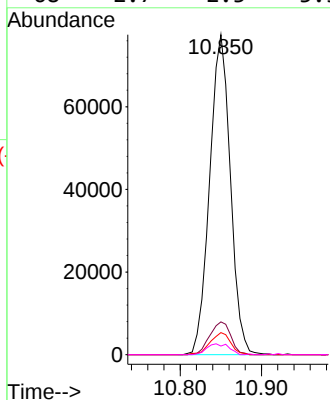
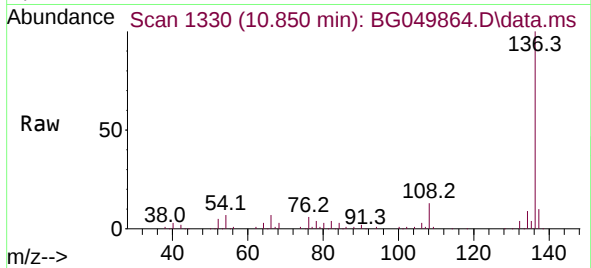




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1330
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

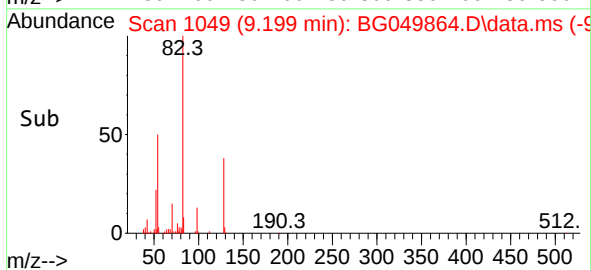
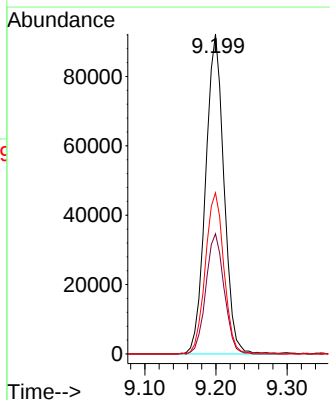
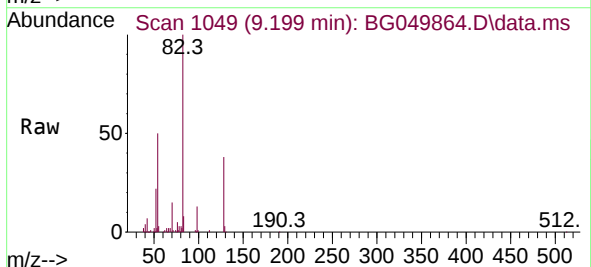
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

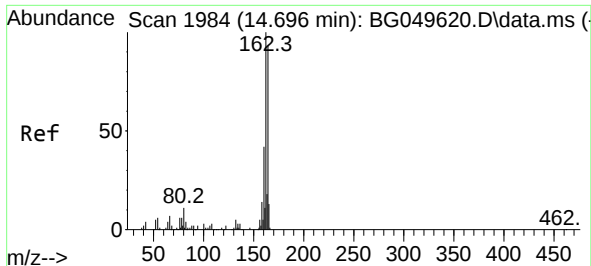
Tgt Ion:136	Resp:	137275
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.2 12.2
54	6.9	5.5 8.3
68	2.7	2.3 3.5



#23
Nitrobenzene-d5
Concen: 53.320 ng
RT: 9.199 min Scan# 1049
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion: 82	Resp:	165409
Ion Ratio	Lower	Upper
82	100	
128	37.5	29.8 44.6
54	50.3	45.8 68.8

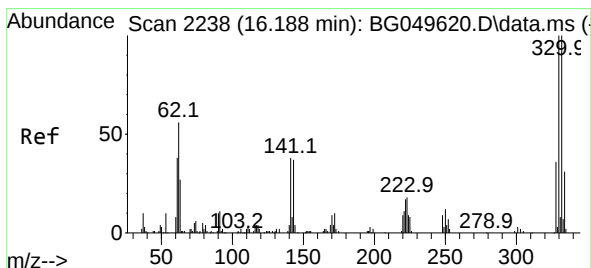
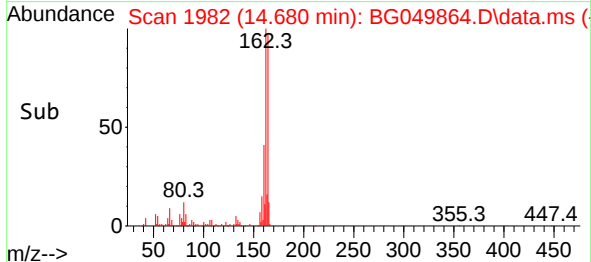
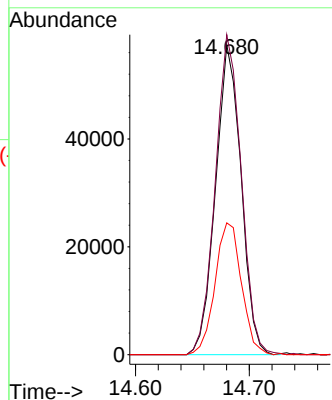
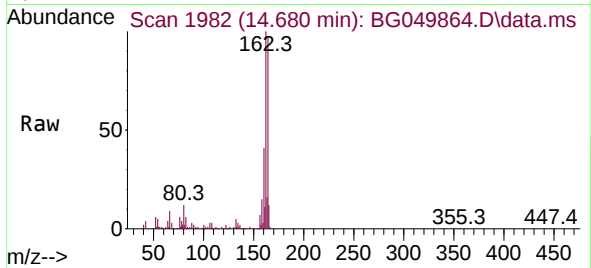




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.680 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

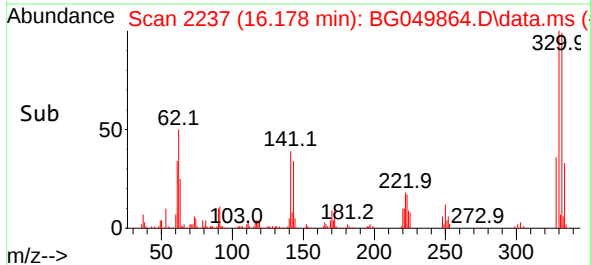
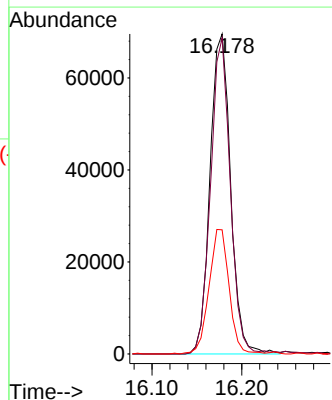
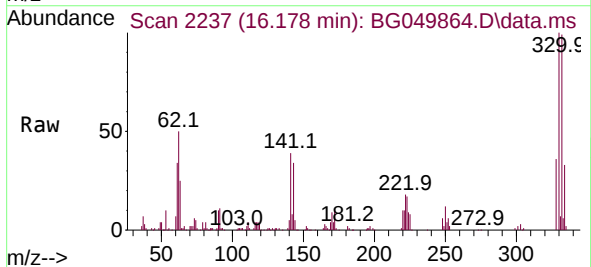
Instrument :
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ClientSampleId :
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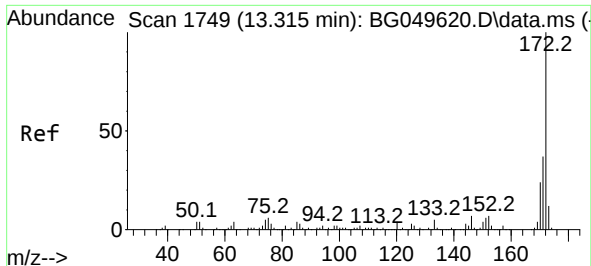
Tgt Ion:164 Resp: 89549
Ion Ratio Lower Upper
164 100
162 103.3 81.4 122.0
160 42.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 83.921 ng
RT: 16.178 min Scan# 2237
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:330 Resp: 110461
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 38.1 35.6 53.4

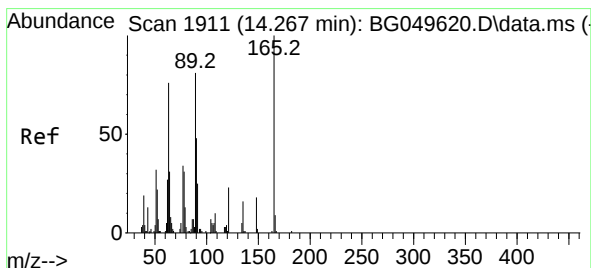
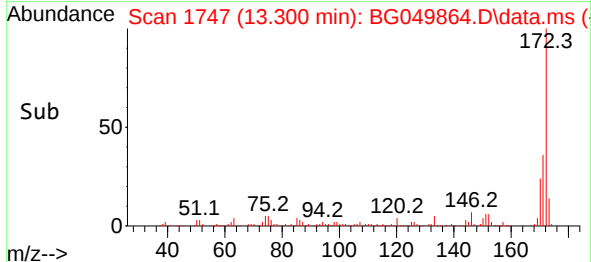
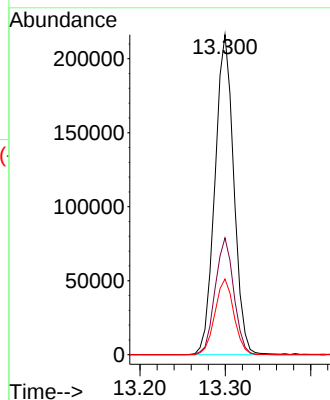
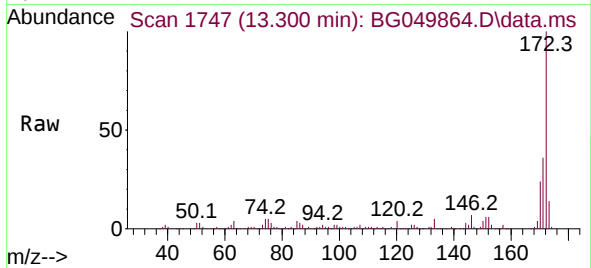




#45
2-Fluorobiphenyl
Concen: 53.935 ng
RT: 13.300 min Scan# 1747
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

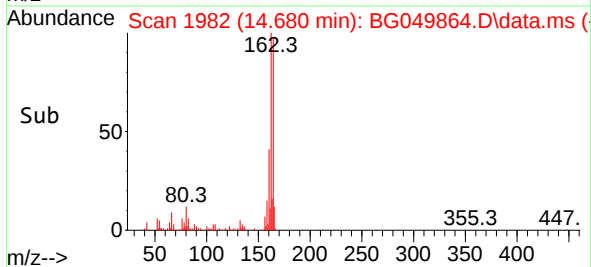
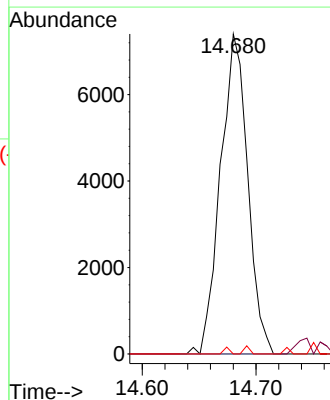
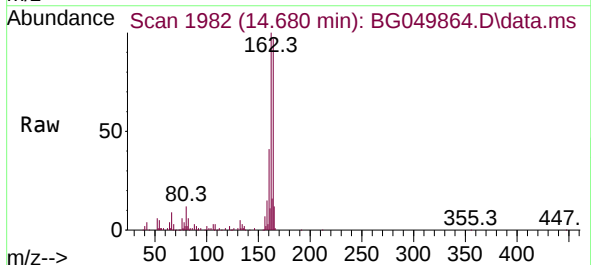
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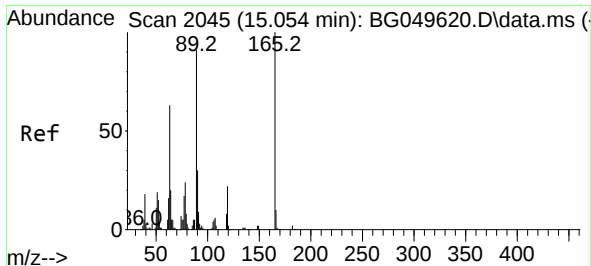
Tgt Ion:172 Resp: 331931
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 23.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 14.680 min Scan# 1982
Delta R.T. 0.425 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:165 Resp: 12290
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#

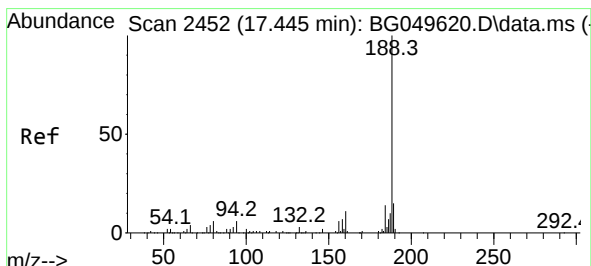
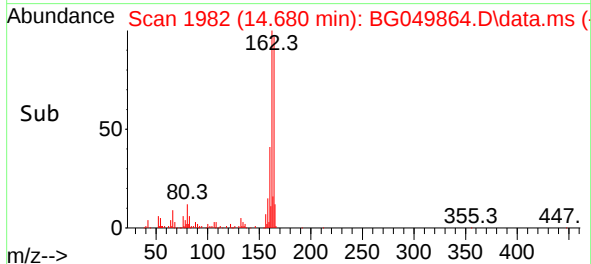
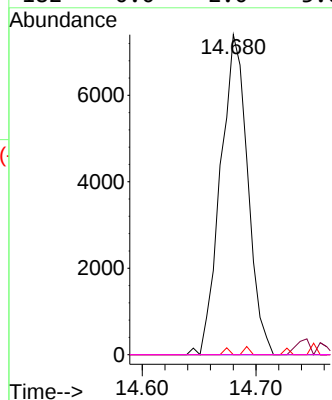
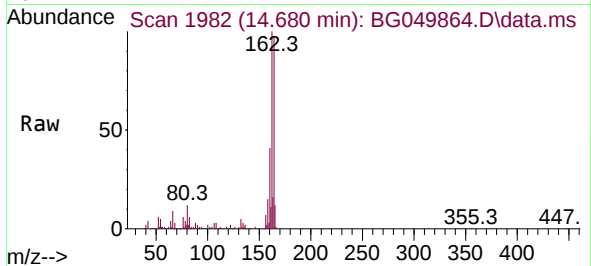




#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 14.680 min Scan# 1982
Delta R.T. -0.368 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

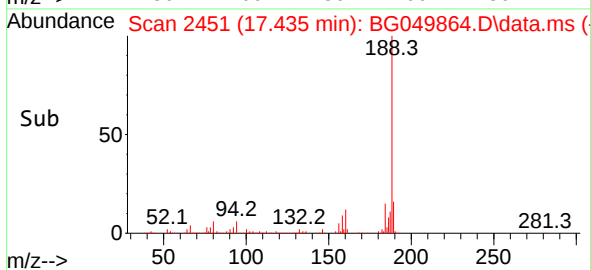
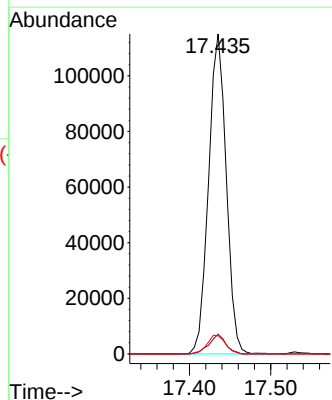
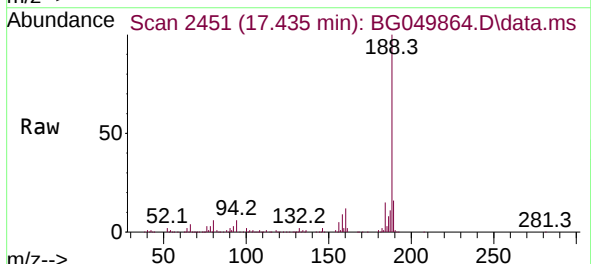
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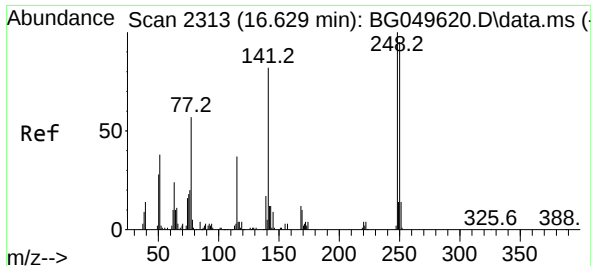
Tgt Ion:165	Resp:	12290
Ion Ratio	Lower	Upper
165	100	
63	0.0	48.0 72.0#
89	0.0	65.4 98.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.435 min Scan# 2451
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:188	Resp:	173704
Ion Ratio	Lower	Upper
188	100	
94	6.1	5.4 8.0
80	5.7	3.7 5.5#

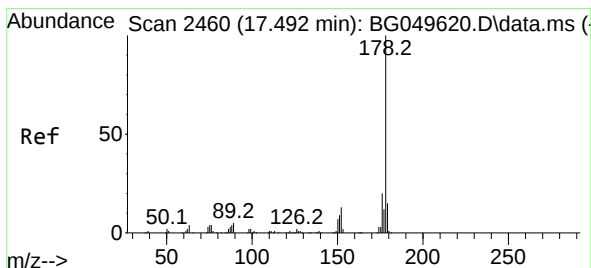
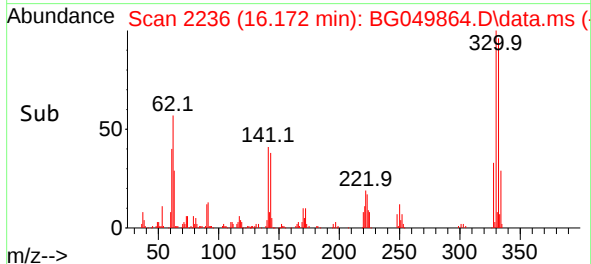
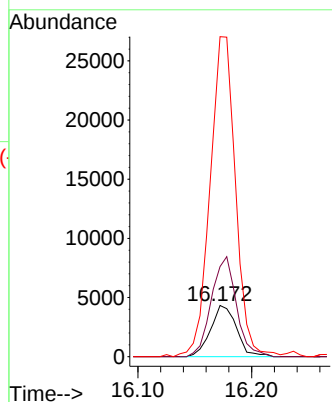
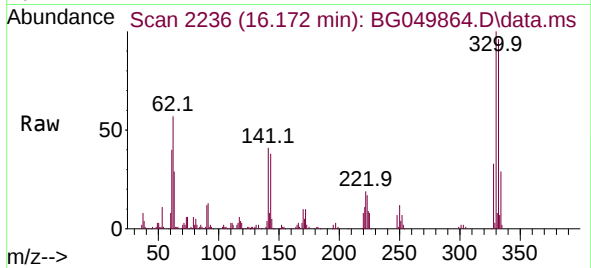




#67
4-Bromophenyl-phenylether
Concen: 3.360 ng
RT: 16.172 min Scan# 2236
Delta R.T. -0.444 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

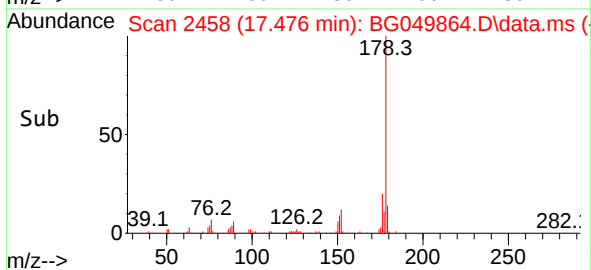
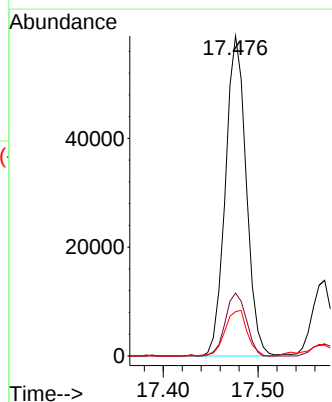
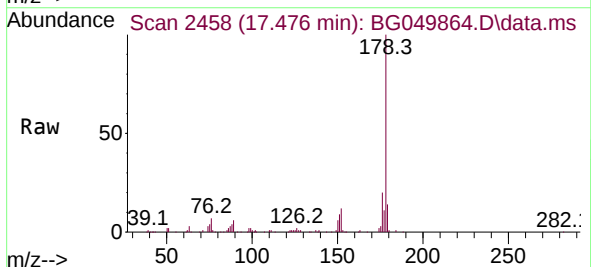
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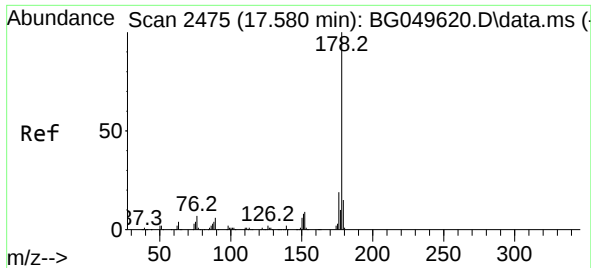
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Ion Ratio Lower Upper
248 100
250 176.1 76.1 114.1#
141 625.1 65.4 98.2#



#71
Phenanthrene
Concen: 9.785 ng
RT: 17.476 min Scan# 2458
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:178 Resp: 89425
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 13.9 14.2 21.4#

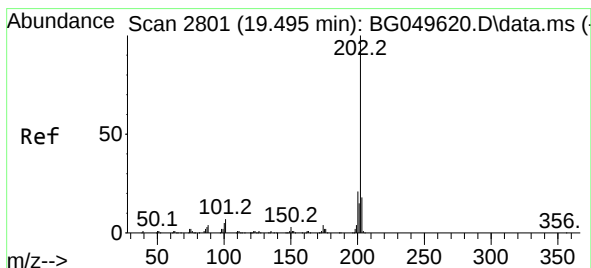
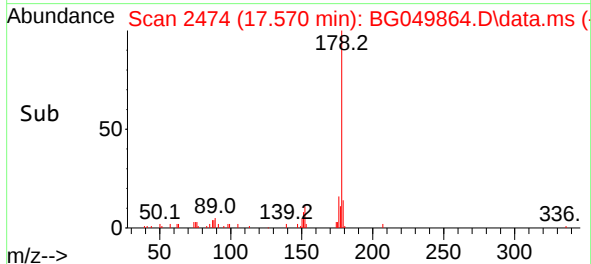
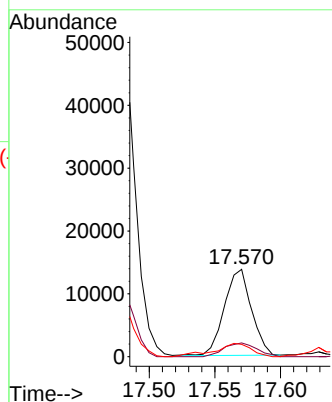
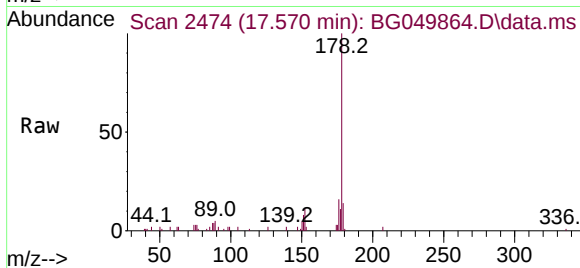




#72
 Anthracene
 Concen: 2.192 ng
 RT: 17.570 min Scan# 2474
 Delta R.T. 0.002 min
 Lab File: BG049864.D
 Acq: 17 Aug 2021 00:35

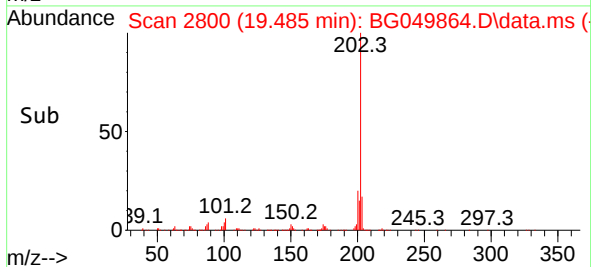
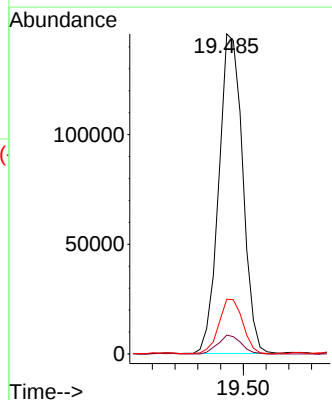
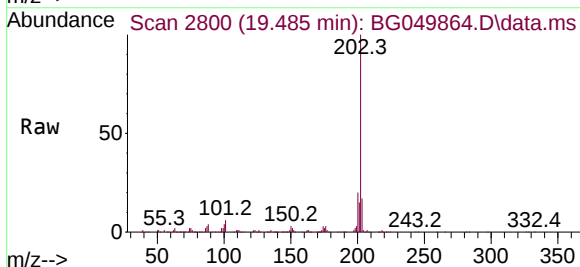
Instrument :
 BNA_G
 ClientSampleId :
 BR-2-081221

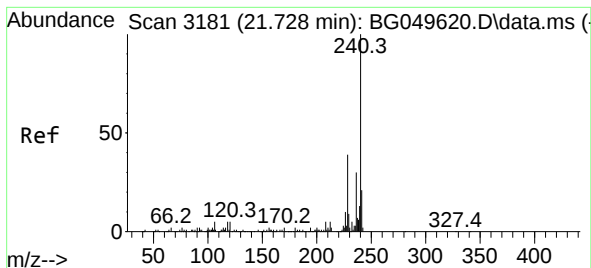
Tgt Ion:178	Resp:	19677
Ion Ratio	Lower	Upper
178	100	
176	15.8	14.6 21.8
179	14.1	13.4 20.0



#75
 Fluoranthene
 Concen: 18.854 ng
 RT: 19.485 min Scan# 2800
 Delta R.T. -0.004 min
 Lab File: BG049864.D
 Acq: 17 Aug 2021 00:35

Tgt Ion:202	Resp:	212033
Ion Ratio	Lower	Upper
202	100	
101	5.9	0.0 24.7
203	17.1	0.0 38.5

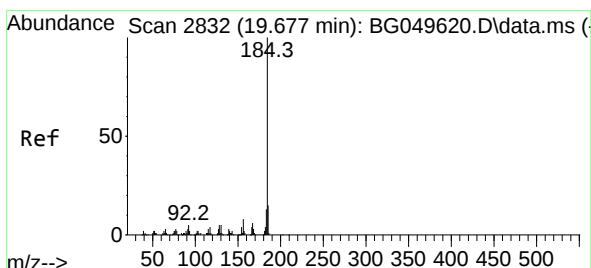
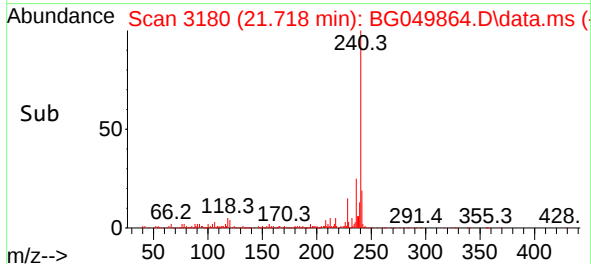
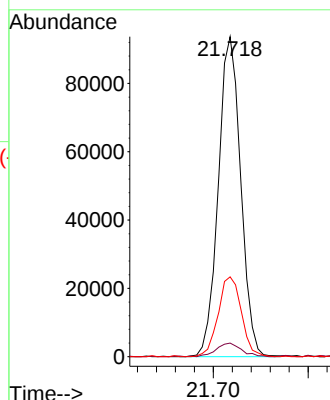
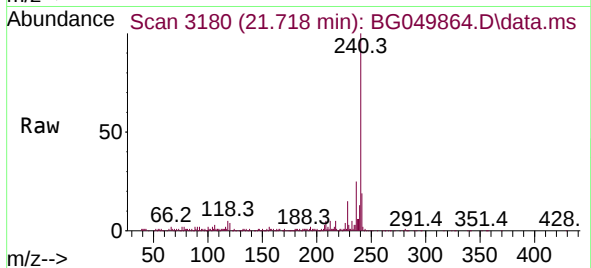




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.718 min Scan# 3180
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

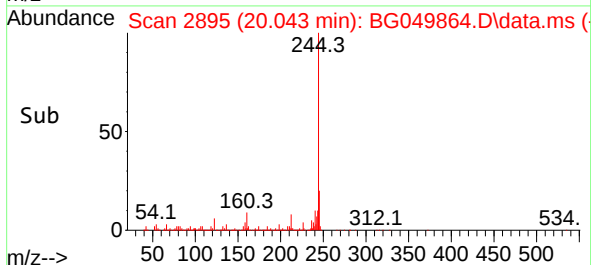
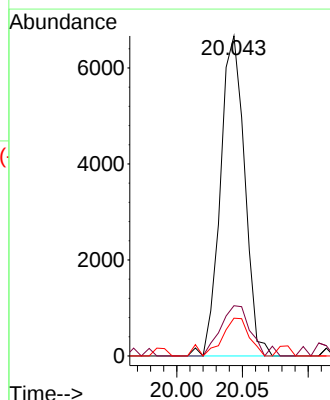
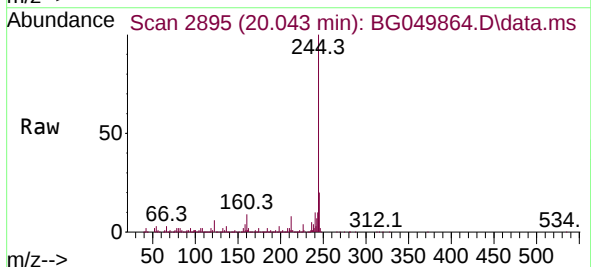
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

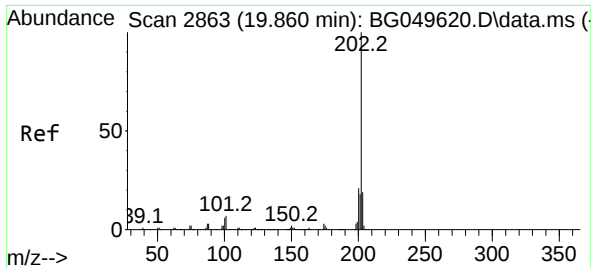
Tgt Ion:	240	Resp:	153895
Ion Ratio	Lower	Upper	
240	100		
120	4.3	4.2	6.2
236	25.0	21.8	32.6



#77
Benzidine
Concen: 2.169 ng
RT: 20.043 min Scan# 2895
Delta R.T. 0.378 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:	184	Resp:	8551
Ion Ratio	Lower	Upper	
184	100		
185	15.7	10.7	16.1
183	11.8	9.4	14.0

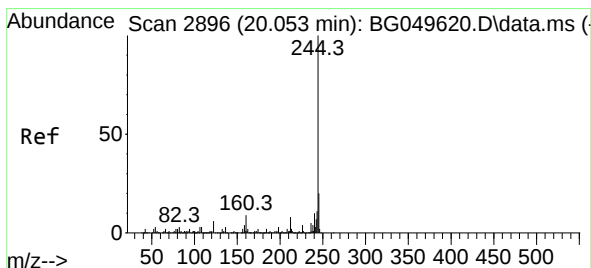
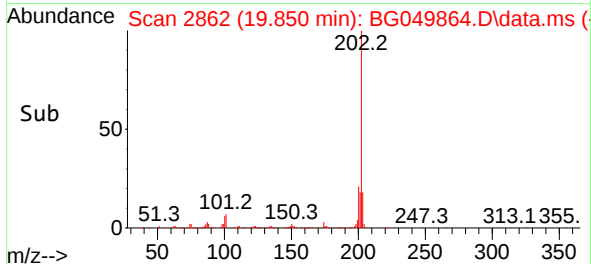
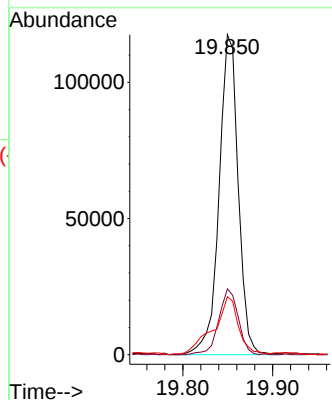
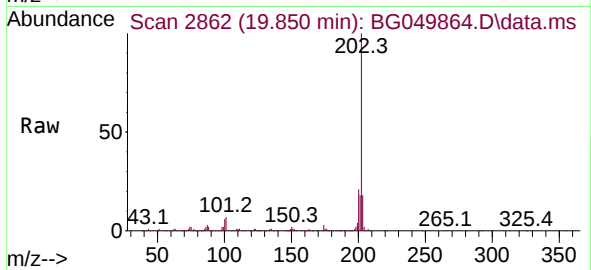




#78
Pyrene
Concen: 16.598 ng
RT: 19.850 min Scan# 2862
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

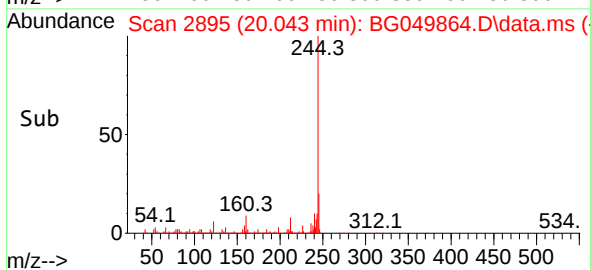
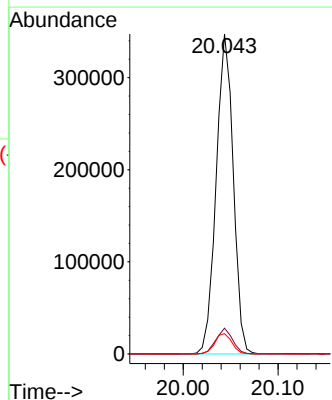
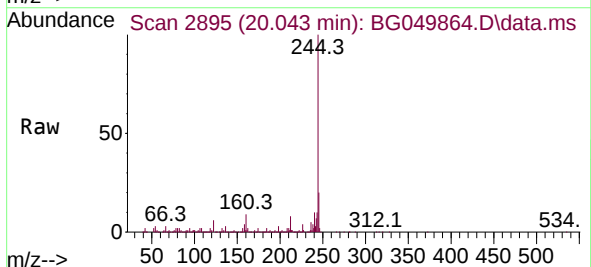
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

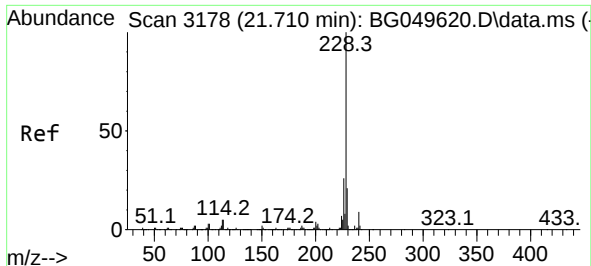
Tgt Ion:	202	Resp:	174140
Ion Ratio	Lower	Upper	
202	100		
200	20.5	15.8	23.8
203	18.1	14.6	21.8



#79
Terphenyl-d14
Concen: 51.320 ng
RT: 20.043 min Scan# 2895
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:	244	Resp:	434860
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.9	10.3
122	6.3	5.0	7.6

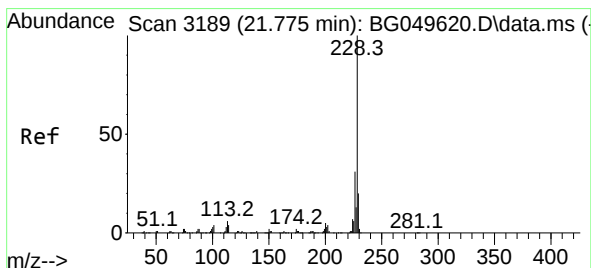
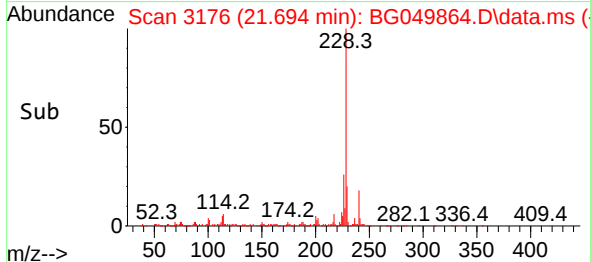
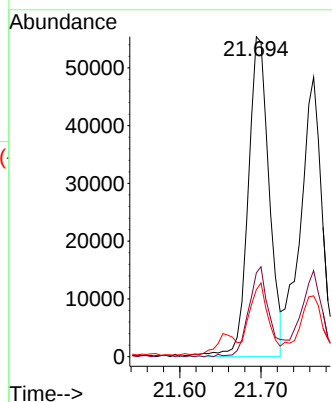
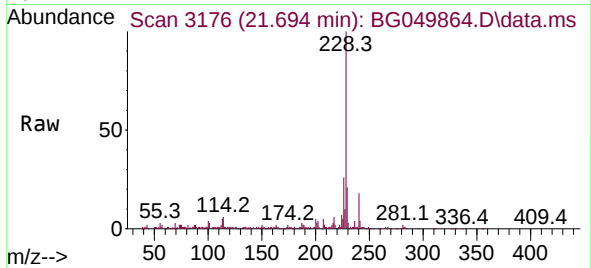




#81
Benzo(a)anthracene
Concen: 9.891 ng
RT: 21.694 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

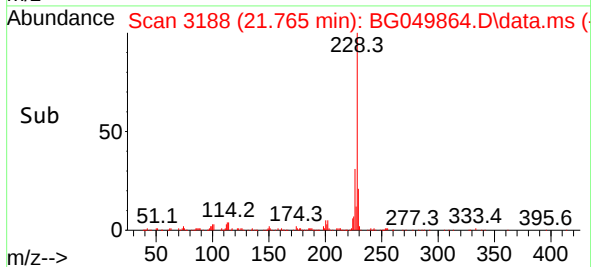
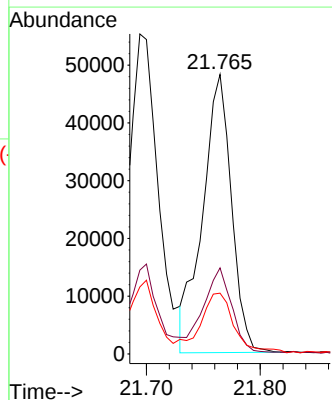
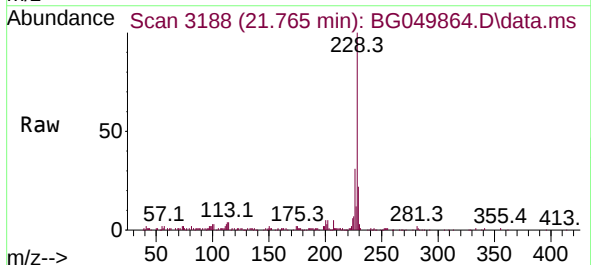
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

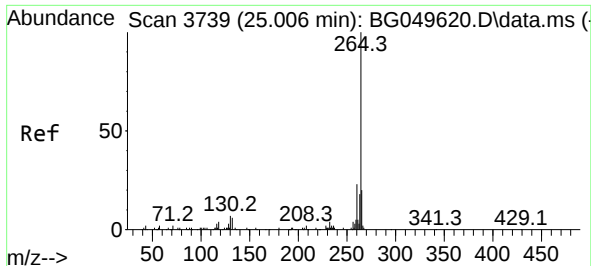
Tgt Ion:228 Resp: 99129
Ion Ratio Lower Upper
228 100
226 26.2 22.7 34.1
229 21.0 16.0 24.0



#83
Chrysene
Concen: 8.881 ng
RT: 21.765 min Scan# 3188
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:228 Resp: 85086
Ion Ratio Lower Upper
228 100
226 30.8 23.1 34.7
229 21.8 15.3 22.9

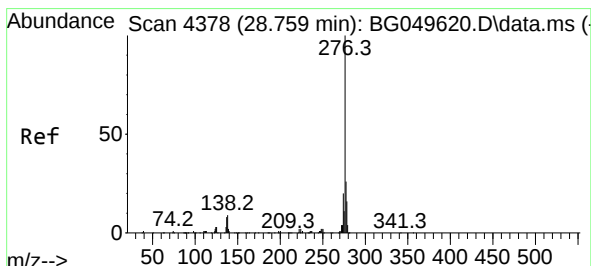
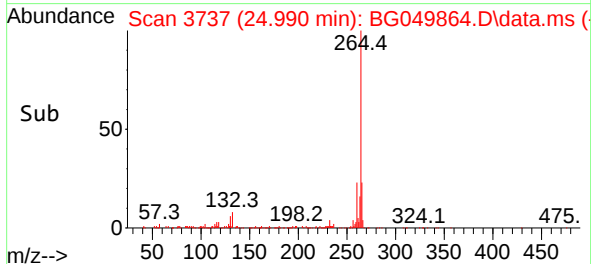
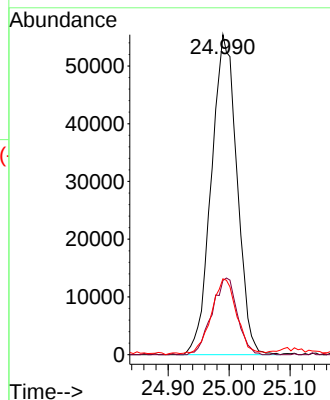
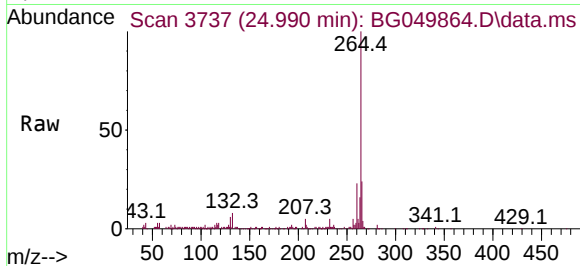




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.990 min Scan# 3737
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

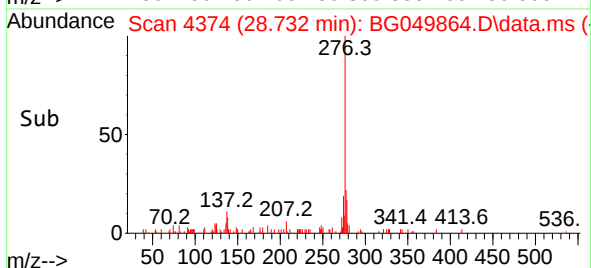
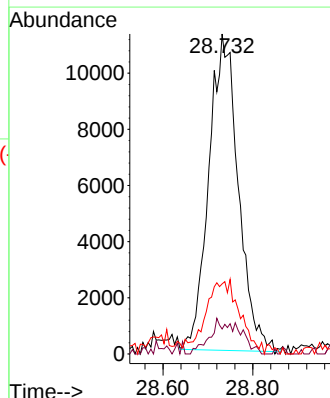
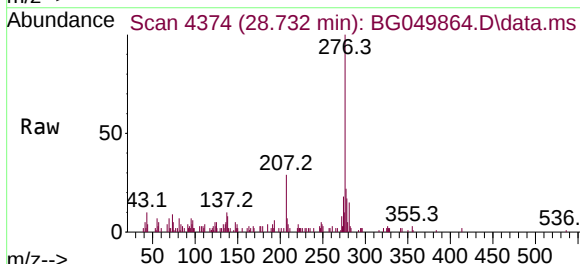
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

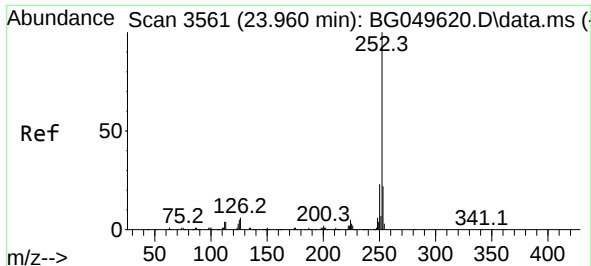
Tgt Ion:	264	Resp:	161851
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.4	29.2
265	23.7	16.9	25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.401 ng
RT: 28.732 min Scan# 4374
Delta R.T. -0.004 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:	276	Resp:	51372
Ion Ratio	Lower	Upper	
276	100		
138	4.8	5.1	7.7#
277	0.0	19.8	29.6#

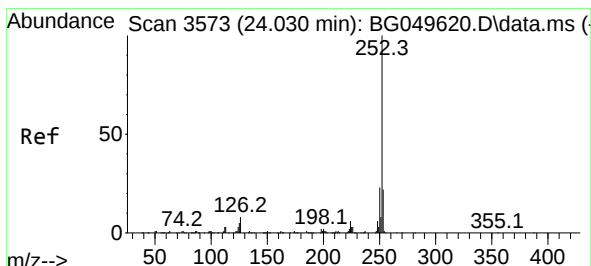
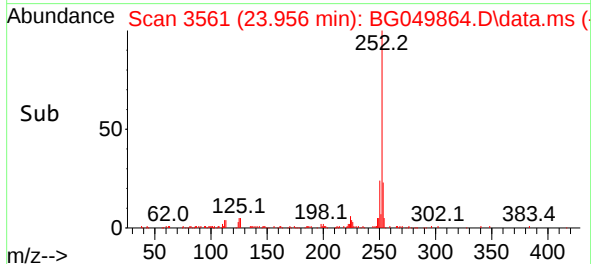
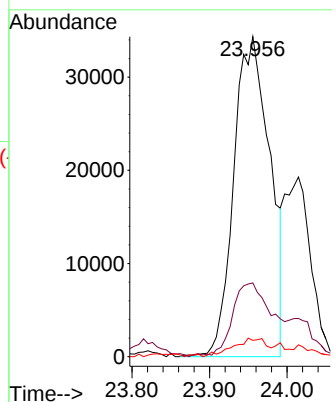
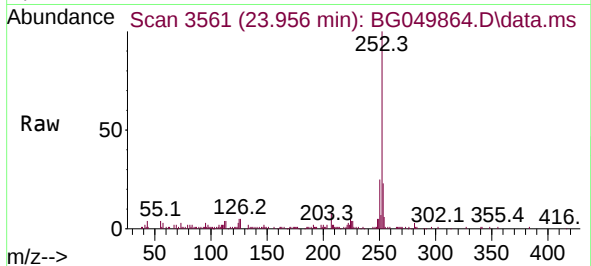




#88
Benzo(b)fluoranthene
Concen: 10.456 ng
RT: 23.956 min Scan# 3561
Delta R.T. 0.002 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

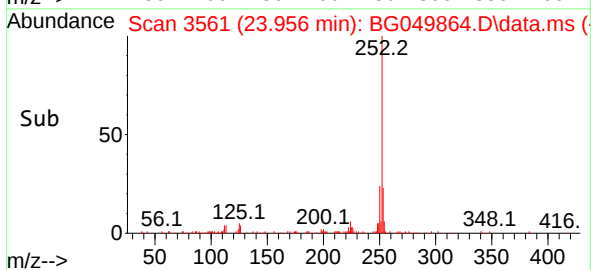
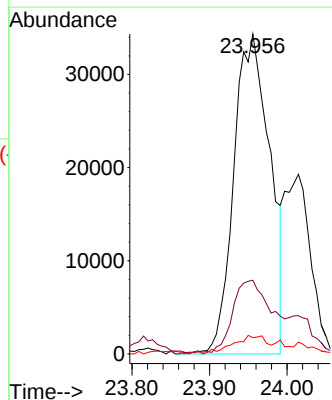
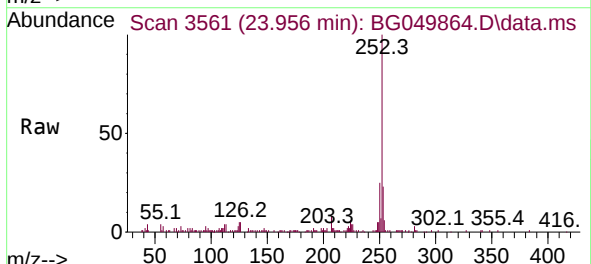
Instrument :
BNA_G
ClientSampleId :
BR-2-081221

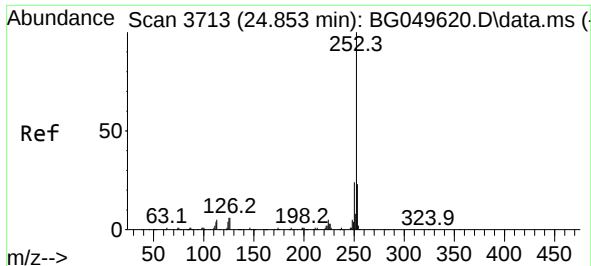
Tgt Ion:252 Resp: 110991
Ion Ratio Lower Upper
252 100
253 23.1 16.2 24.4
125 5.1 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 11.210 ng
RT: 23.956 min Scan# 3561
Delta R.T. -0.062 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:252 Resp: 110991
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 5.1 3.1 4.7#

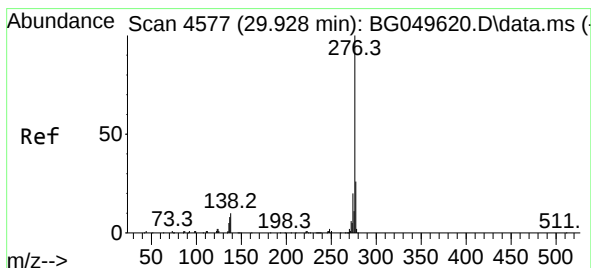
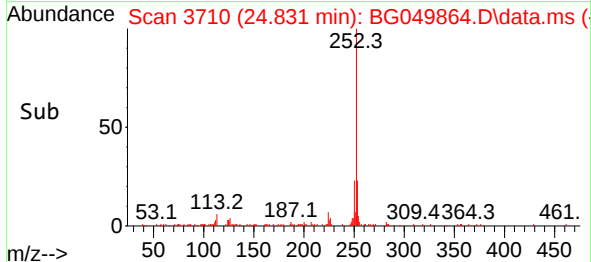
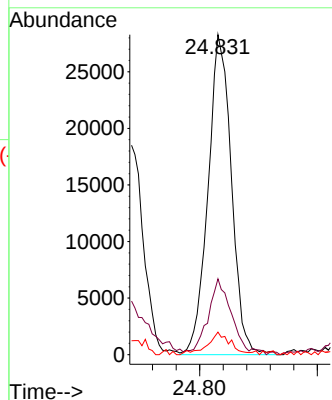
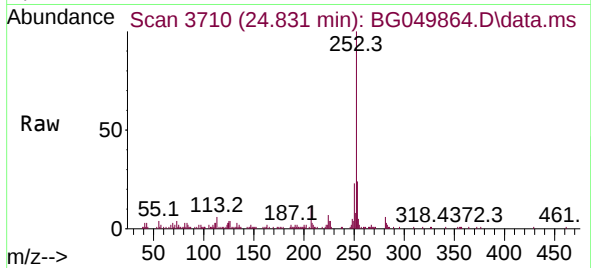




#90
Benzo(a)pyrene
Concen: 8.123 ng
RT: 24.831 min Scan# 3710
Delta R.T. -0.009 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Instrument :
BNA_G
ClientSampleId :
BR-2-081221

Tgt Ion:252 Resp: 78034
Ion Ratio Lower Upper
252 100
253 23.7 16.6 25.0
125 7.1 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.649 ng
RT: 29.895 min Scan# 4572
Delta R.T. -0.021 min
Lab File: BG049864.D
Acq: 17 Aug 2021 00:35

Tgt Ion:276 Resp: 25522
Ion Ratio Lower Upper
276 100
277 26.9 18.4 27.6
138 14.6 7.0 10.6#

