

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061421\
 Data File : BG048957.D
 Acq On : 14 Jun 2021 20:14
 Operator : CG/JU
 Sample : M2678-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0241-AMND-COMP-F(CL-05)

Quant Time: Jun 15 01:13:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 11 16:03:10 2021
 Response via : Initial Calibration

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

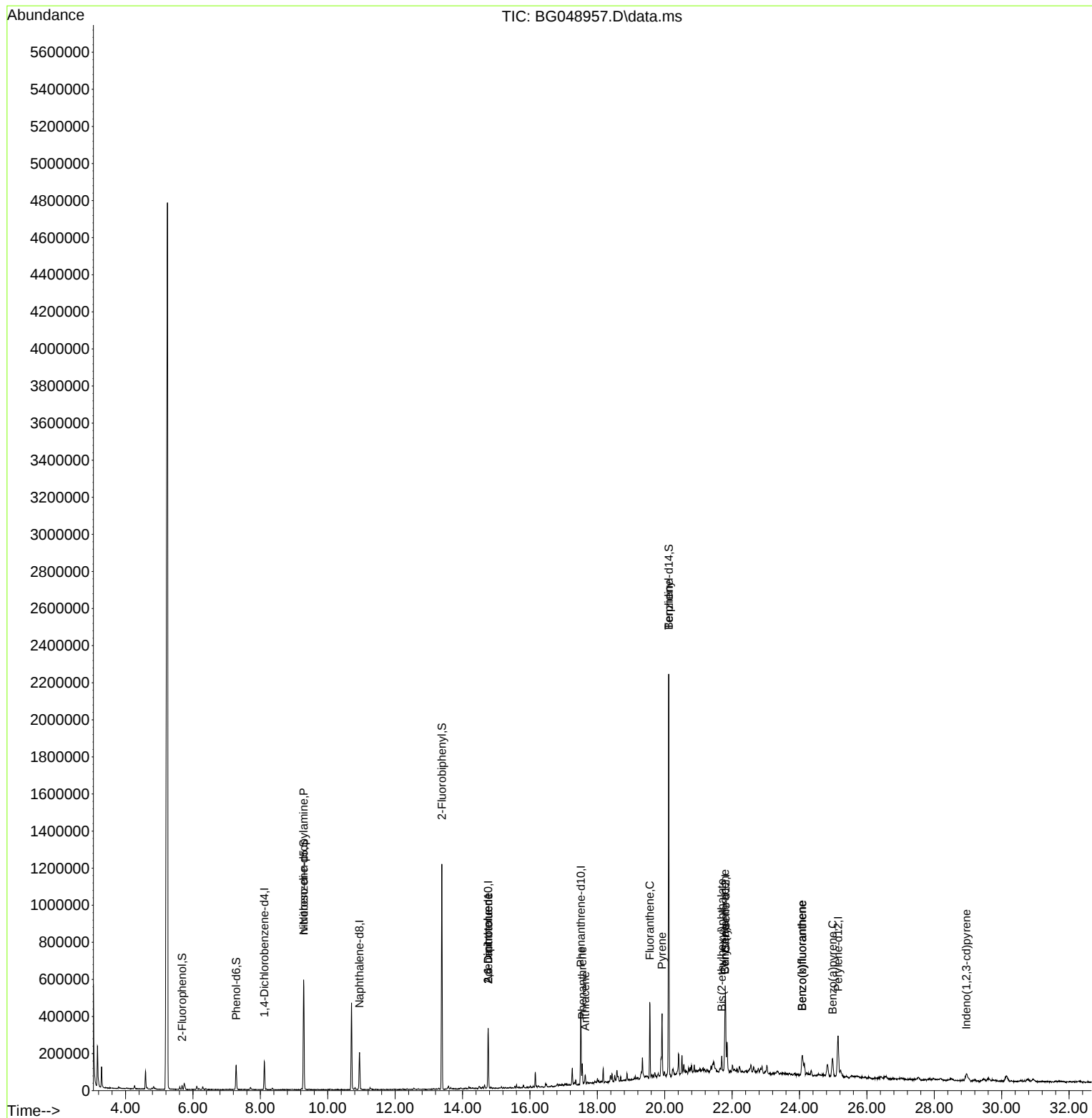
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	39796	20.00	ng	# 0.00
21) Naphthalene-d8	10.943	136	156361	20.00	ng	# 0.00
39) Acenaphthene-d10	14.762	164	116193	20.00	ng	0.00
64) Phenanthrene-d10	17.512	188	245917	20.00	ng	# 0.00
76) Chrysene-d12	21.807	240	232538	20.00	ng	-0.01
86) Perylene-d12	25.144	264	249852	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	7238	2.83	ng	0.01
7) Phenol-d6	7.282	99	70969	18.52	ng	0.02
23) Nitrobenzene-d5	9.286	82	362448	99.95	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.387	172	606165	73.70	ng	0.00
79) Terphenyl-d14	20.120	244	967192	76.17	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.286	70	52545	17.54	ng	# 79
51) 2,6-Dinitrotoluene	14.762	165	15418	8.36	ng	# 11
57) 2,4-Dinitrotoluene	14.762	165	15418	6.81	ng	# 16
71) Phenanthrene	17.553	178	68613	4.96	ng	96
72) Anthracene	17.641	178	31986	2.30	ng	98
75) Fluoranthene	19.562	202	254915	15.28	ng	98
77) Benzidine	20.120	184	20434	4.36	ng	# 92
78) Pyrene	19.921	202	220079	13.04	ng	96
81) Benzo(a)anthracene	21.783	228	151728	9.09	ng	98
83) Chrysene	21.783	228	151728	9.48	ng	97
84) Bis(2-ethylhexyl)phtha...	21.695	149	30928	3.41	ng	# 97
87) Indeno(1,2,3-cd)pyrene	28.951	276	68342	3.63	ng	99
88) Benzo(b)fluoranthene	24.080	252	156964	8.81	ng	# 90
89) Benzo(k)fluoranthene	24.080	252	156964	9.29	ng	# 95
90) Benzo(a)pyrene	24.979	252	119237	7.33	ng	# 96

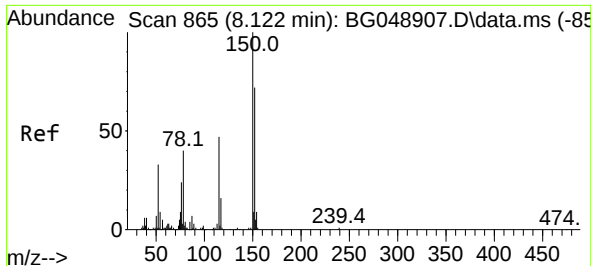
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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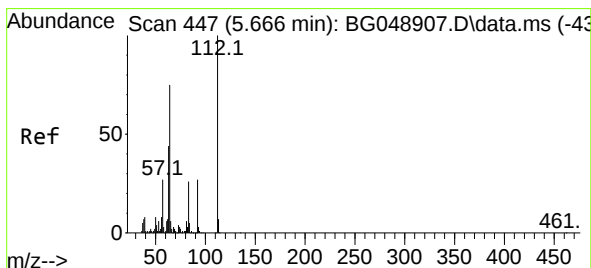
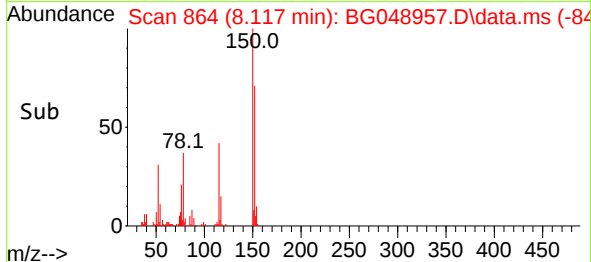
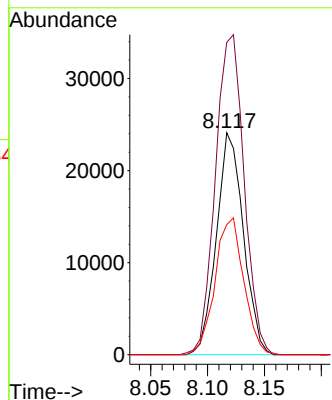
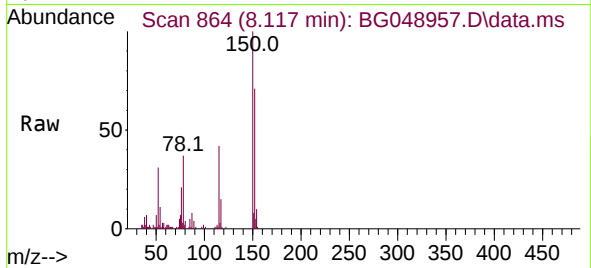




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.117 min Scan# 864
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

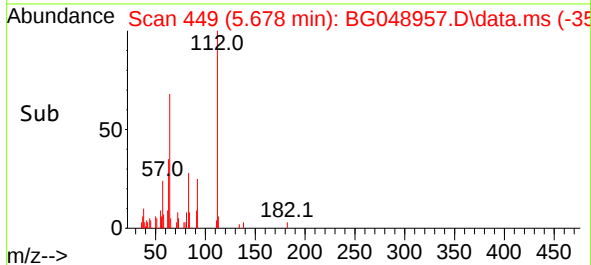
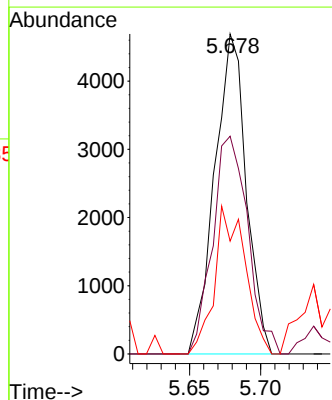
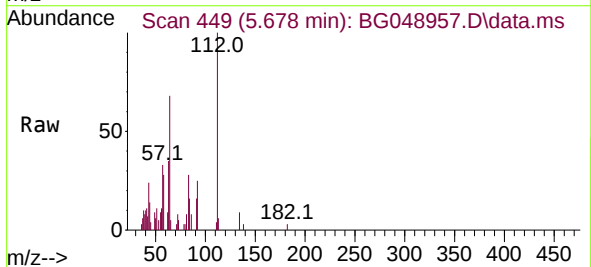
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

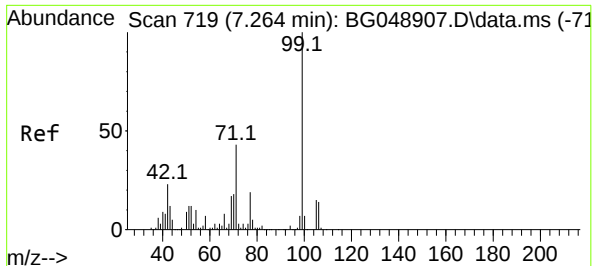
Tgt Ion:152 Resp: 39796
Ion Ratio Lower Upper
152 100
150 140.8 119.4 179.0
115 58.6 60.2 90.4#



#5
2-Fluorophenol
Concen: 2.83 ng
RT: 5.678 min Scan# 449
Delta R.T. 0.012 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:112 Resp: 7238
Ion Ratio Lower Upper
112 100
64 68.0 46.7 70.1
63 35.3 35.3 52.9#

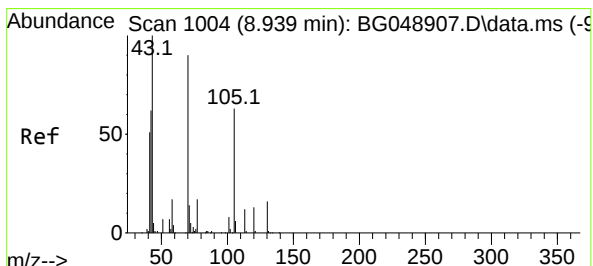
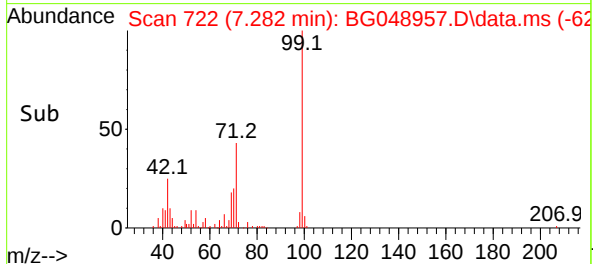
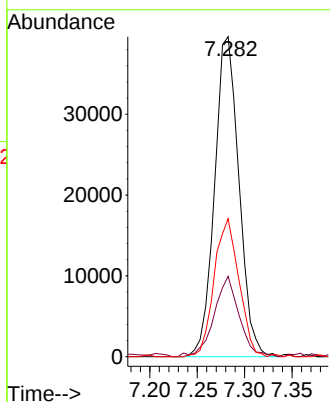
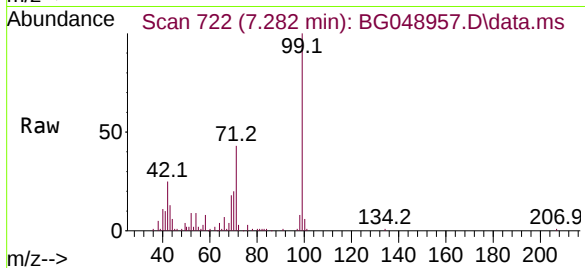




#7
Phenol-d6
Concen: 18.52 ng
RT: 7.282 min Scan# 722
Delta R.T. 0.018 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

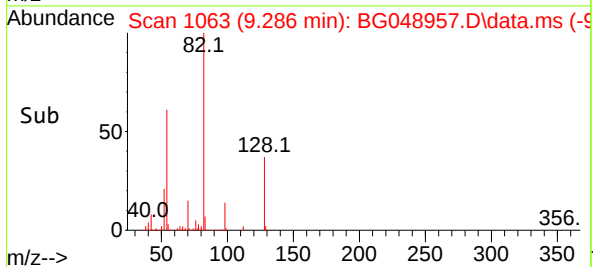
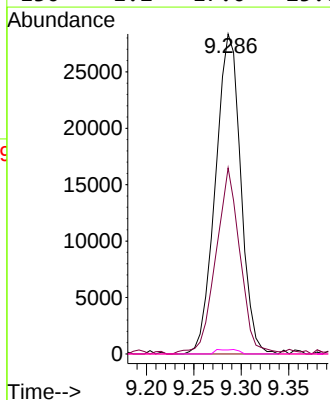
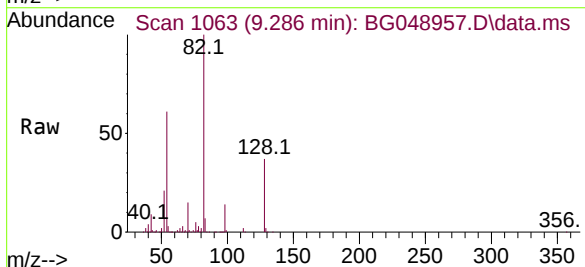
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

Tgt Ion:	99	Resp:	70969
Ion	Ratio	Lower	Upper
99	100		
42	25.1	20.5	30.7
71	43.1	41.5	62.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.54 ng
RT: 9.286 min Scan# 1063
Delta R.T. 0.347 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:	70	Resp:	52545
Ion	Ratio	Lower	Upper
70	100		
42	58.2	54.5	81.7
101	0.0	9.0	13.6#
130	1.2	17.0	25.6#

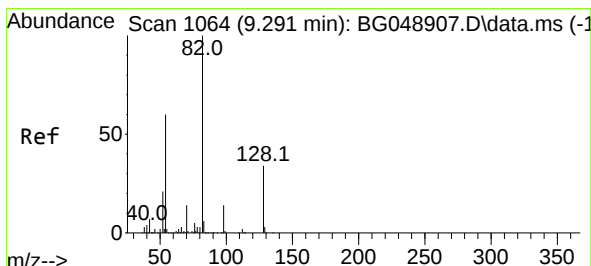
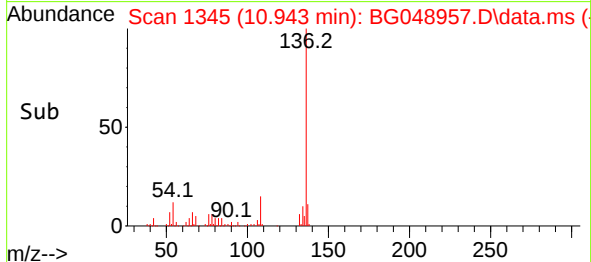
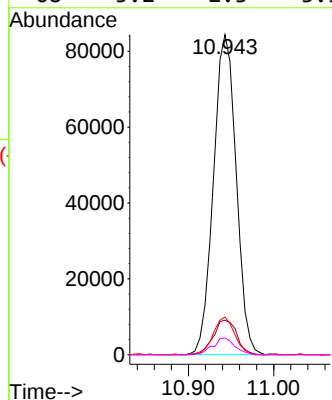
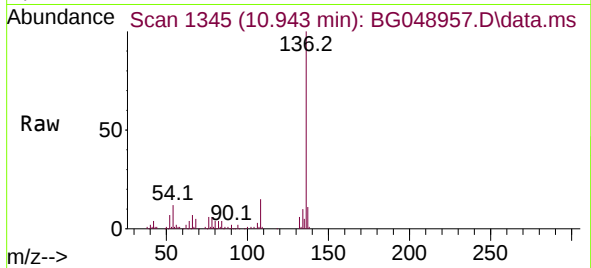




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.943 min Scan# 1345
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

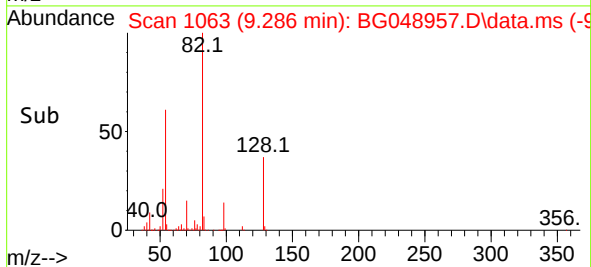
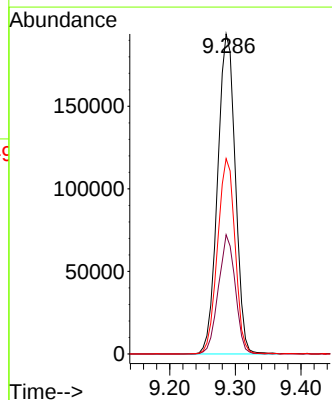
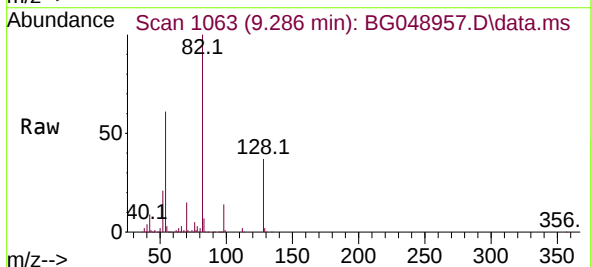
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

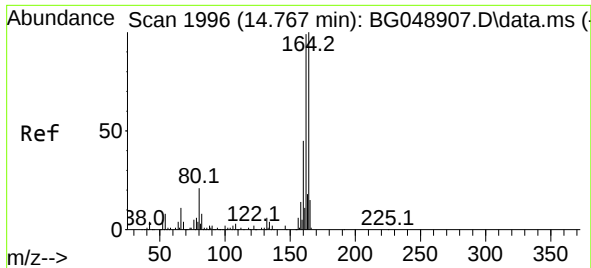
Tgt Ion:136	Resp:	156361
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.2 12.2
54	11.7	5.5 8.3#
68	5.2	2.3 3.5#



#23
Nitrobenzene-d5
Concen: 99.95 ng
RT: 9.286 min Scan# 1063
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion: 82	Resp:	362448
Ion Ratio	Lower	Upper
82	100	
128	37.3	29.8 44.6
54	61.1	45.8 68.8

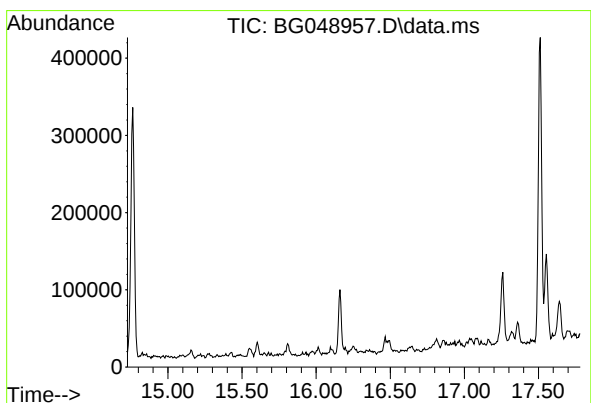
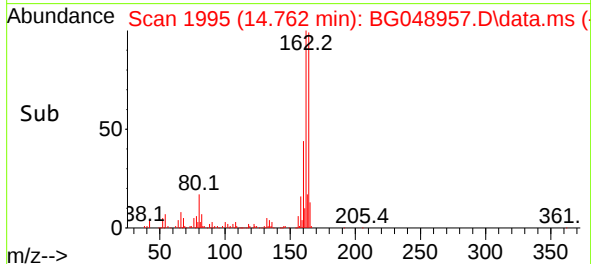
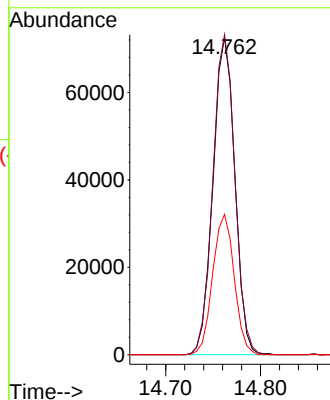
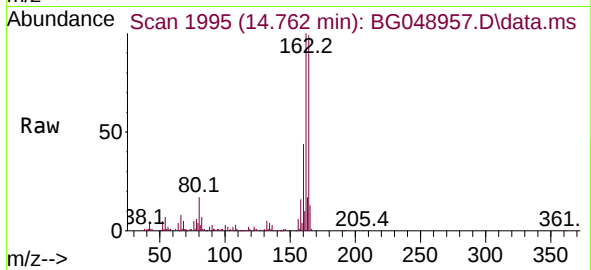




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.762 min Scan# 1995
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

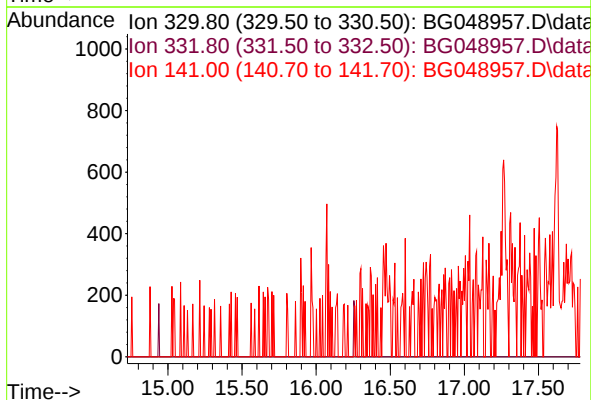
Tgt Ion:164 Resp: 116193
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 44.3 34.9 52.3

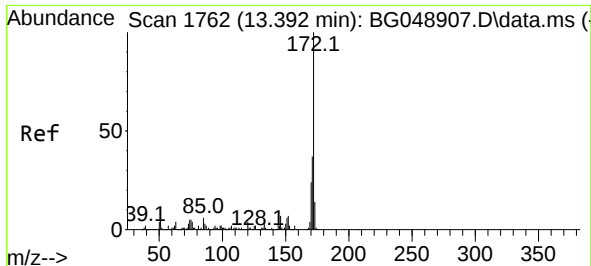


#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.25 min

Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.6
141 44.5

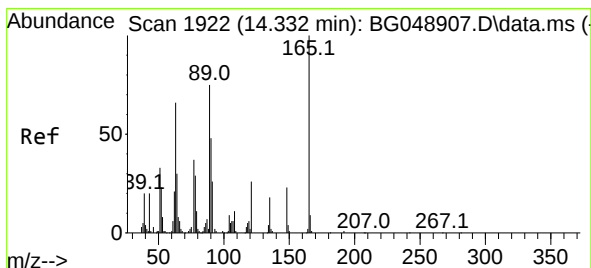
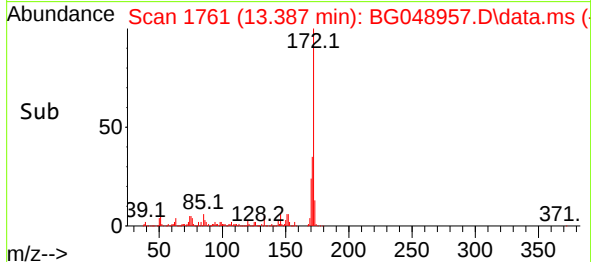
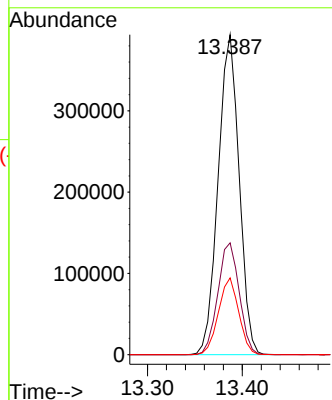
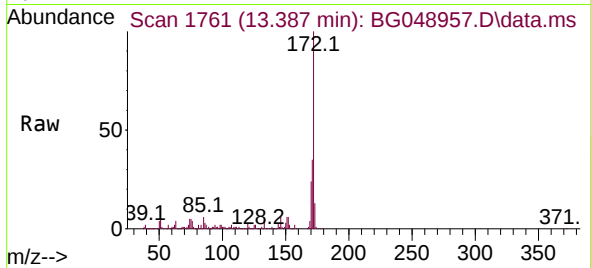




#45
2-Fluorobiphenyl
Concen: 73.70 ng
RT: 13.387 min Scan# 1761
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

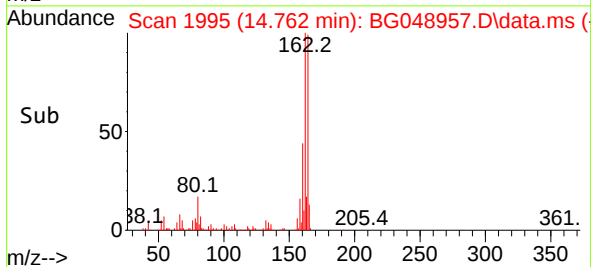
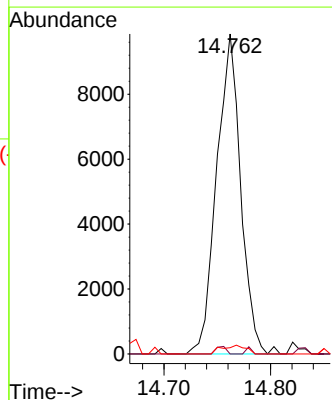
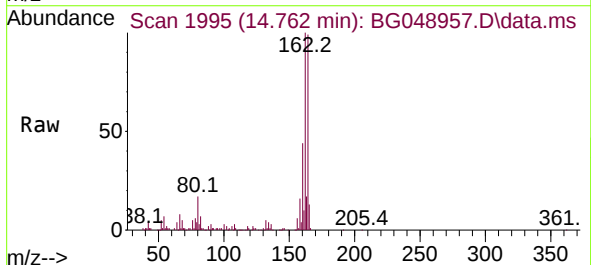
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0241-AMND-COMP-F(CL-05)

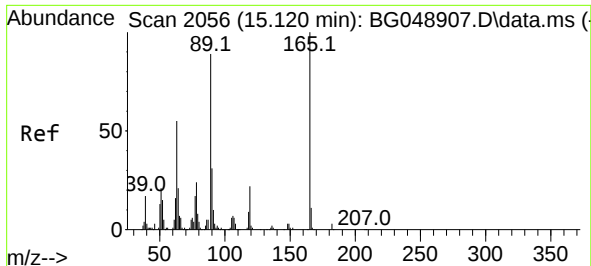
Tgt Ion:172 Resp: 606165
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 24.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 14.762 min Scan# 1995
Delta R.T. 0.429 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

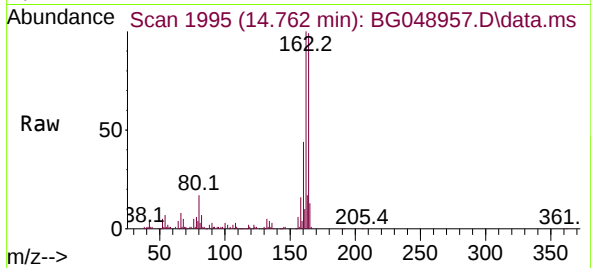
Tgt Ion:165 Resp: 15418
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.9 63.4 95.0#



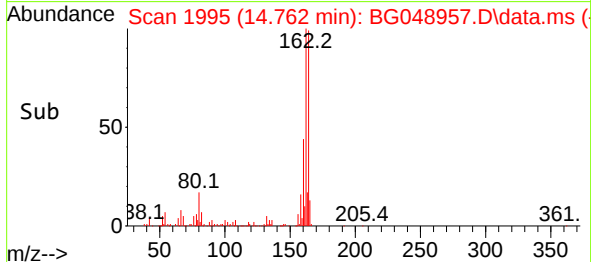
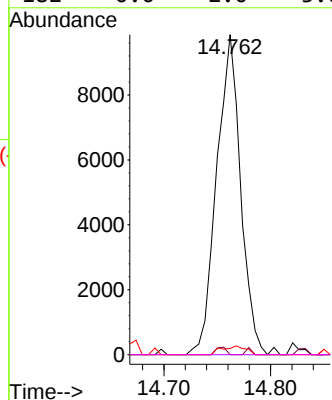


#57
2,4-Dinitrotoluene
Concen: 6.81 ng
RT: 14.762 min Scan# 1995
Delta R.T. -0.358 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

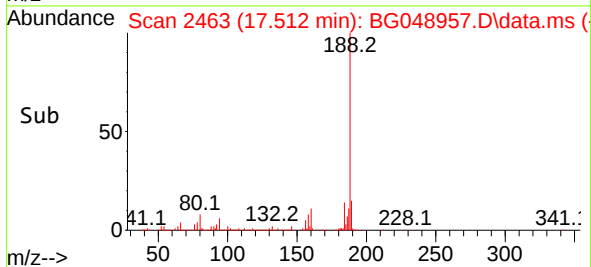
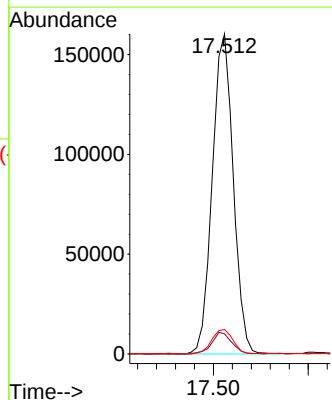
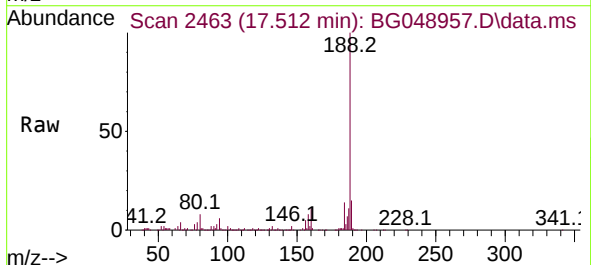


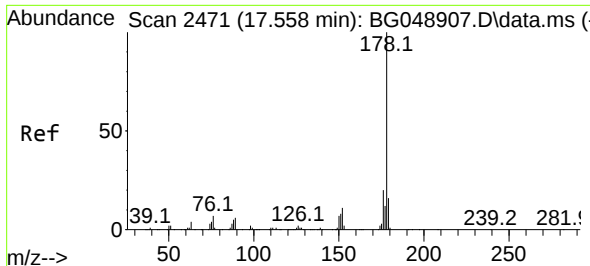
Tgt Ion:165 Resp: 15418
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.512 min Scan# 2463
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:188 Resp: 245917
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 7.6 3.7 5.5#

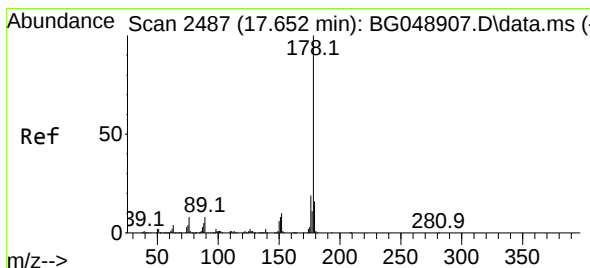
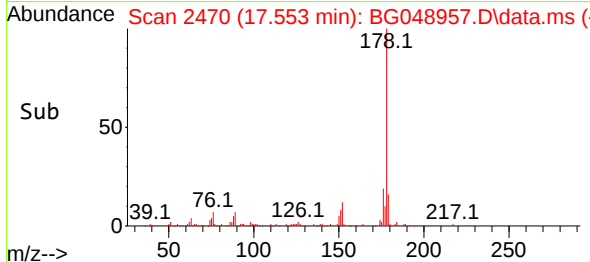
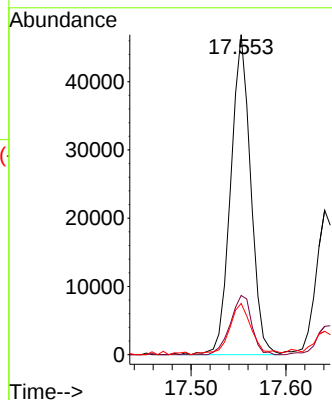
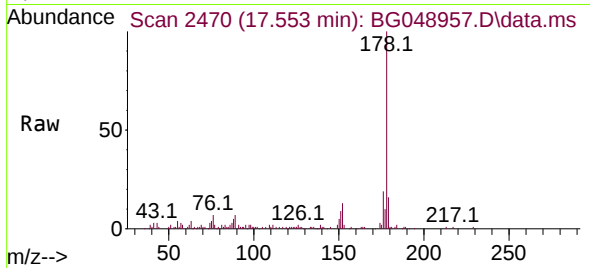




#71
Phenanthrene
Concen: 4.96 ng
RT: 17.553 min Scan# 2470
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

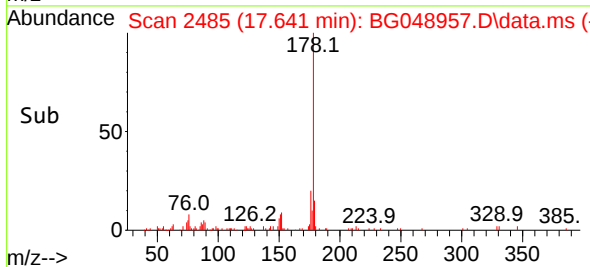
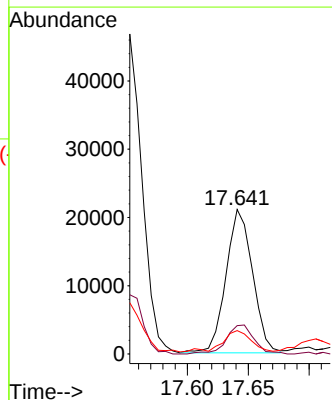
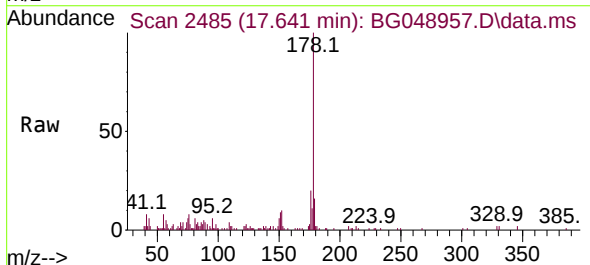
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

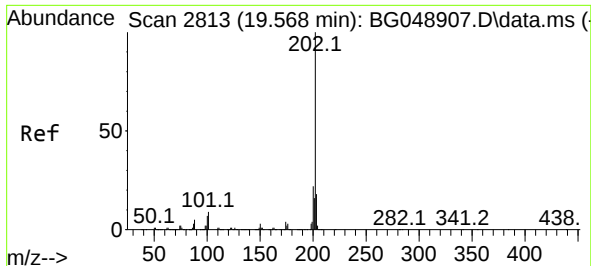
Tgt Ion:178 Resp: 68613
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 16.0 14.2 21.4



#72
Anthracene
Concen: 2.30 ng
RT: 17.641 min Scan# 2485
Delta R.T. -0.011 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:178 Resp: 31986
Ion Ratio Lower Upper
178 100
176 19.5 14.6 21.8
179 16.2 13.4 20.0

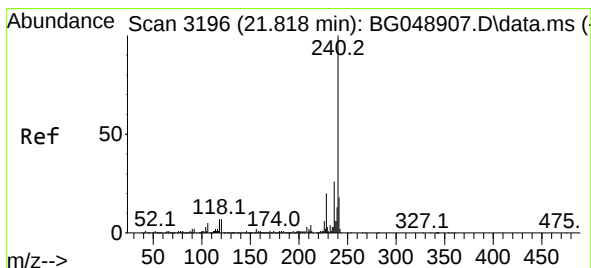
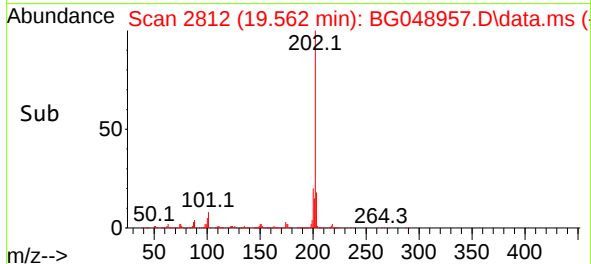
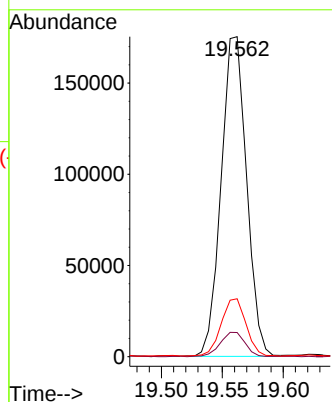
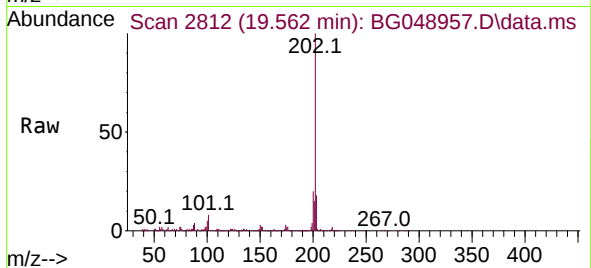




#75
Fluoranthene
Concen: 15.28 ng
RT: 19.562 min Scan# 2812
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

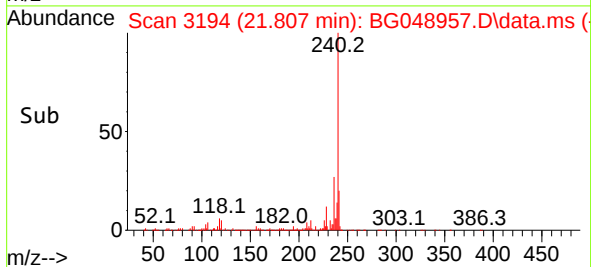
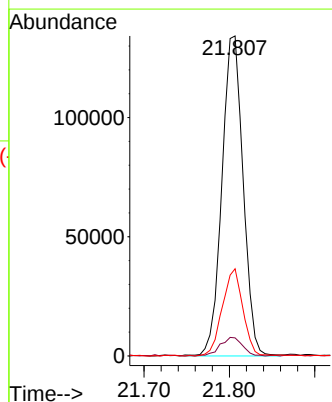
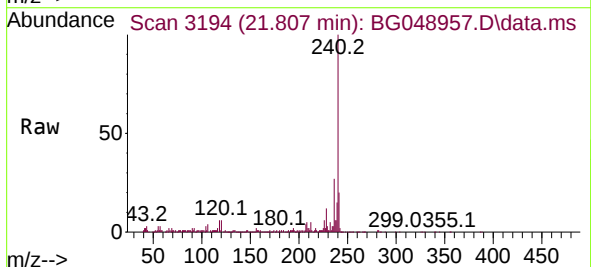
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

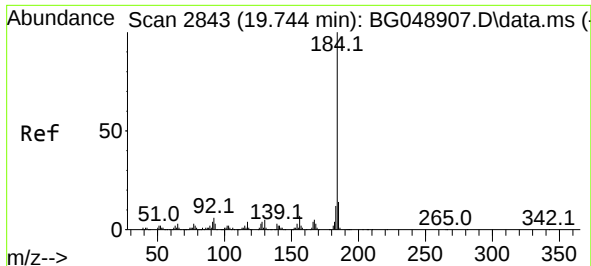
Tgt Ion:202 Resp: 254915
Ion Ratio Lower Upper
202 100
101 7.6 0.0 24.7
203 18.1 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.807 min Scan# 3194
Delta R.T. -0.011 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:240 Resp: 232538
Ion Ratio Lower Upper
240 100
120 5.6 4.2 6.2
236 27.3 21.8 32.6

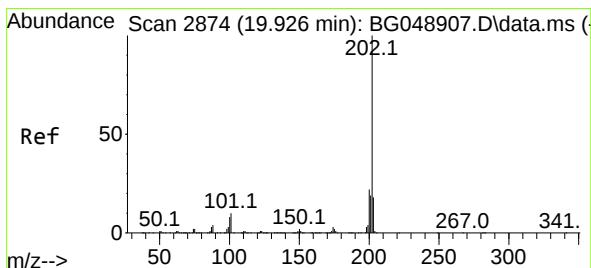
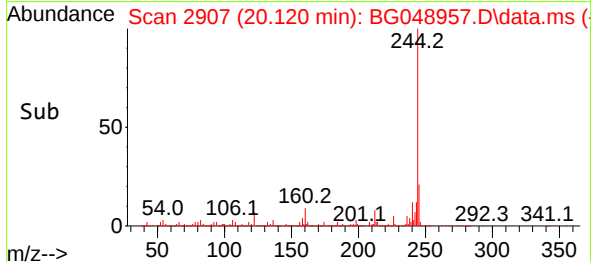
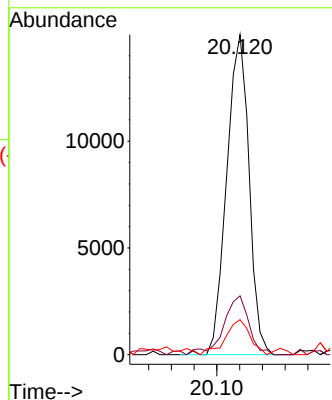
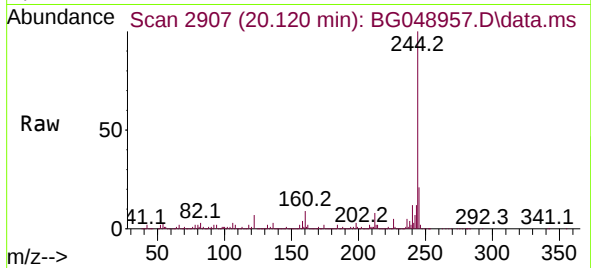




#77
Benzidine
Concen: 4.36 ng
RT: 20.120 min Scan# 2907
Delta R.T. 0.377 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

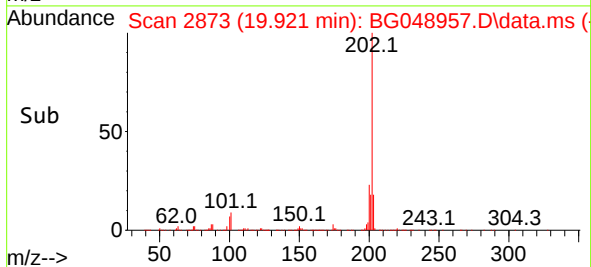
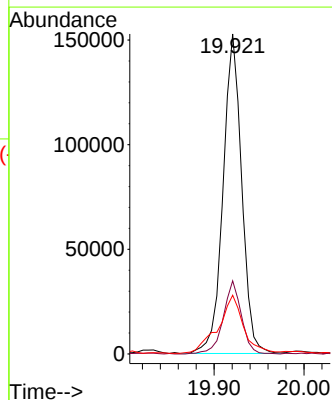
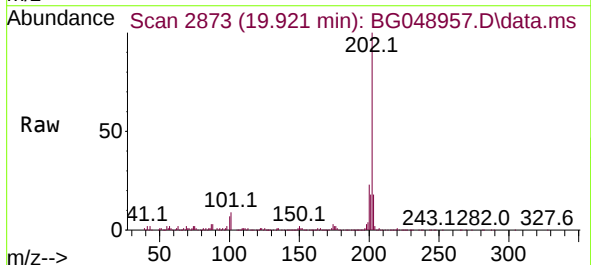
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

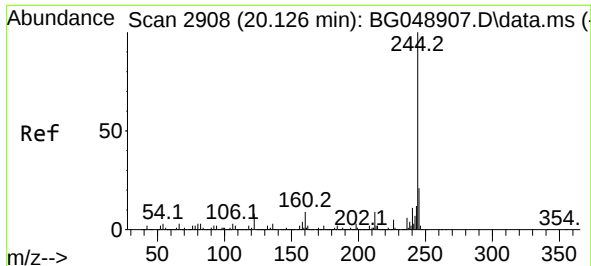
Tgt Ion:184 Resp: 20434
Ion Ratio Lower Upper
184 100
185 18.4 10.7 16.1#
183 10.9 9.4 14.0



#78
Pyrene
Concen: 13.04 ng
RT: 19.921 min Scan# 2873
Delta R.T. -0.005 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:202 Resp: 220079
Ion Ratio Lower Upper
202 100
200 22.9 15.8 23.8
203 18.3 14.6 21.8

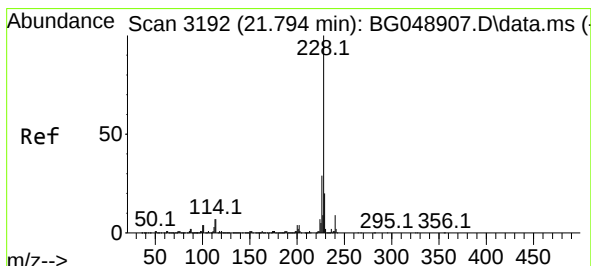
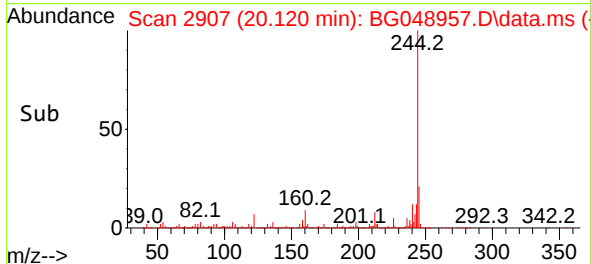
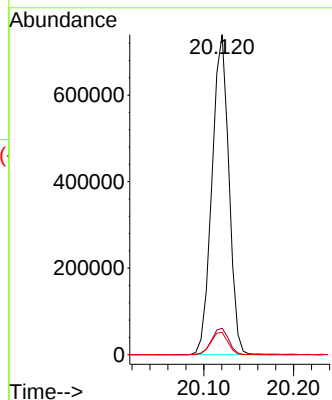
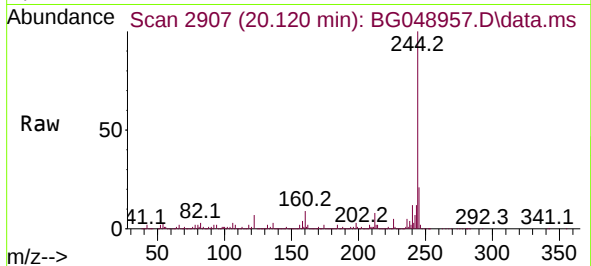




#79
Terphenyl-d14
Concen: 76.17 ng
RT: 20.120 min Scan# 2907
Delta R.T. -0.006 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

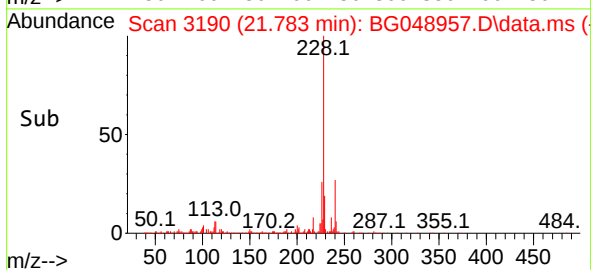
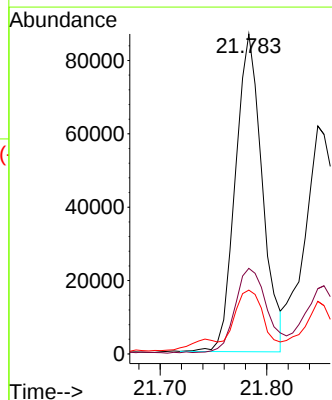
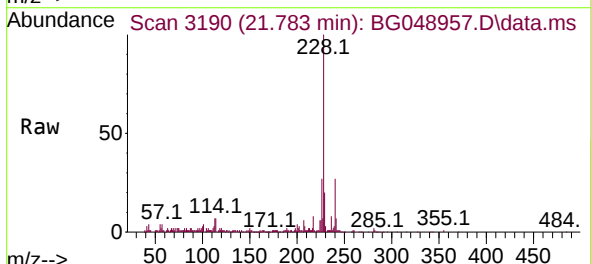
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

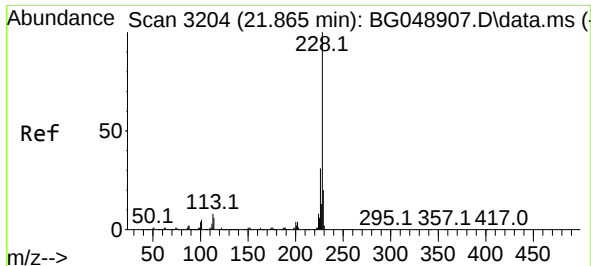
Tgt Ion:244 Resp: 967192
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 7.0 5.0 7.6



#81
Benzo(a)anthracene
Concen: 9.09 ng
RT: 21.783 min Scan# 3190
Delta R.T. -0.011 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:228 Resp: 151728
Ion Ratio Lower Upper
228 100
226 26.8 22.7 34.1
229 19.9 16.0 24.0

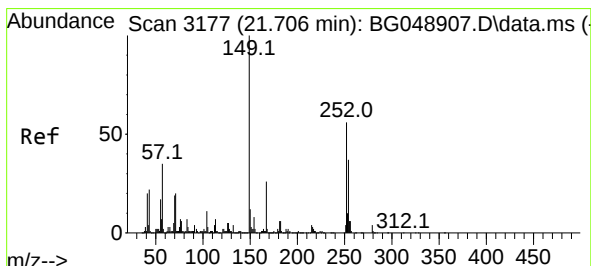
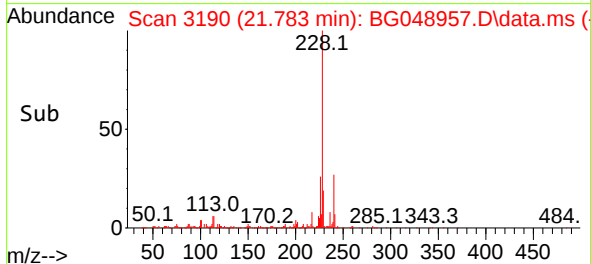
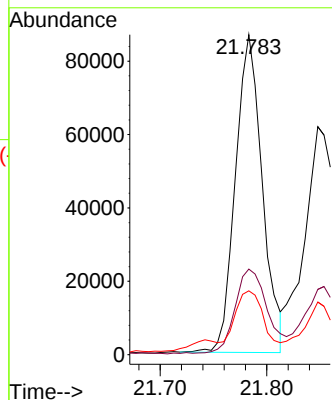
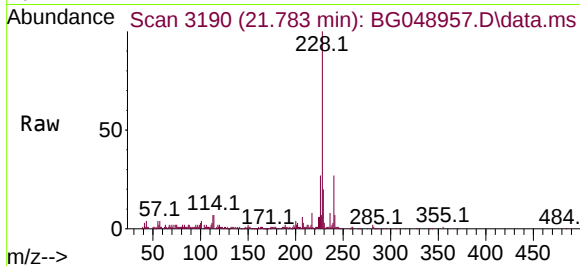




#83
Chrysene
Concen: 9.48 ng
RT: 21.783 min Scan# 3190
Delta R.T. -0.082 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

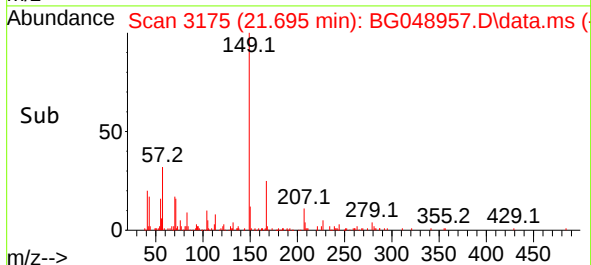
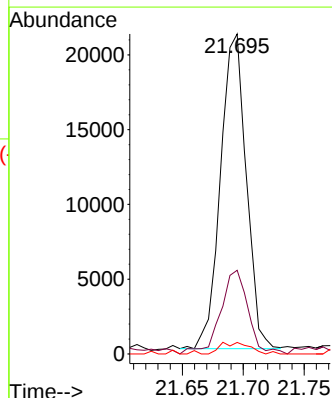
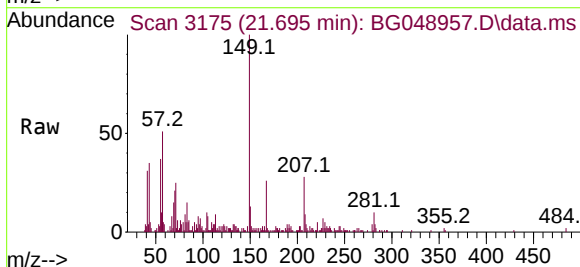
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

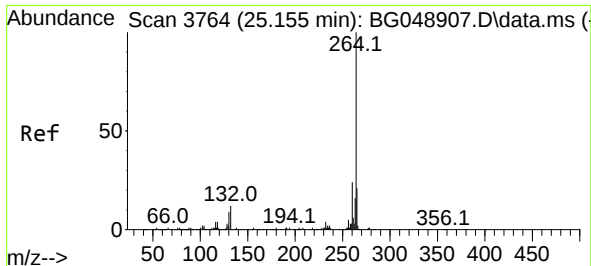
Tgt Ion:228 Resp: 151728
Ion Ratio Lower Upper
228 100
226 26.8 23.1 34.7
229 19.9 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.41 ng
RT: 21.695 min Scan# 3175
Delta R.T. -0.011 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:149 Resp: 30928
Ion Ratio Lower Upper
149 100
167 26.1 22.3 33.5
279 3.6 3.8 5.8#

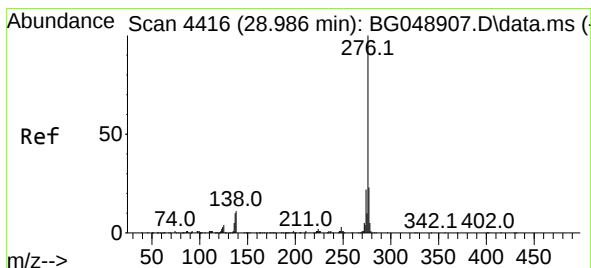
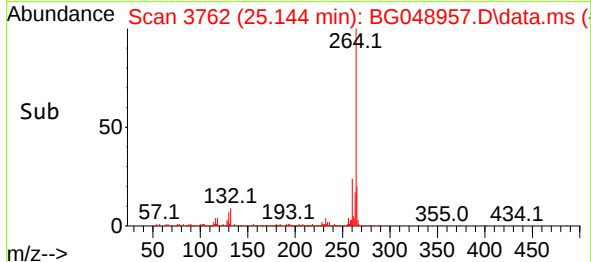
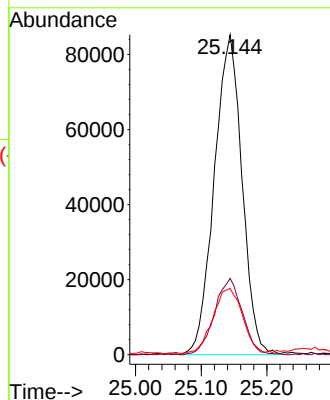
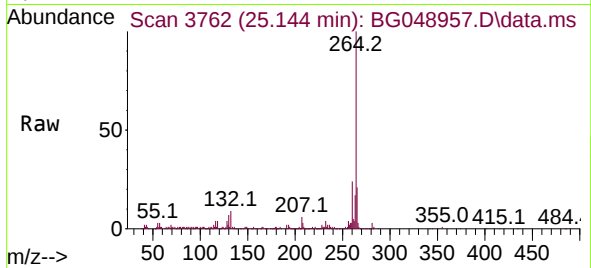




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.144 min Scan# 3762
 Delta R.T. -0.011 min
 Lab File: BG048957.D
 Acq: 14 Jun 2021 20:14

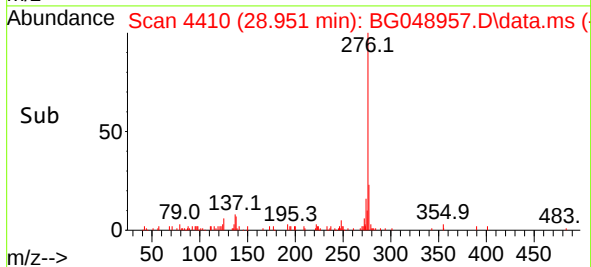
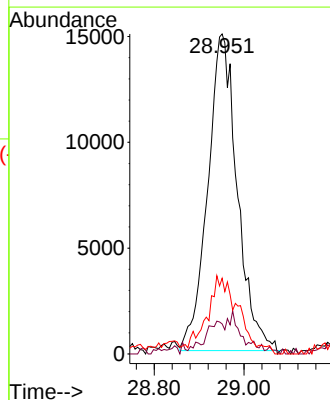
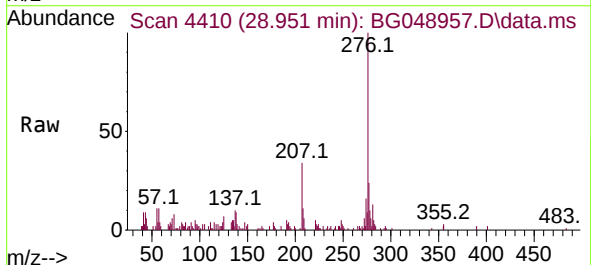
Instrument :
 BNA_G
 ClientSampleId :
 0241-AMND-COMP-F(CL-05)

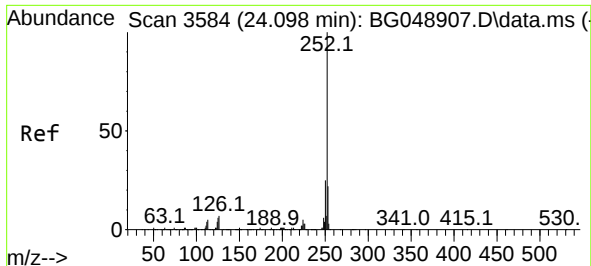
Tgt Ion:264 Resp: 249852
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 20.7 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.63 ng
 RT: 28.951 min Scan# 4410
 Delta R.T. -0.035 min
 Lab File: BG048957.D
 Acq: 14 Jun 2021 20:14

Tgt Ion:276 Resp: 68342
 Ion Ratio Lower Upper
 276 100
 138 5.6 5.1 7.7
 277 25.1 19.8 29.6

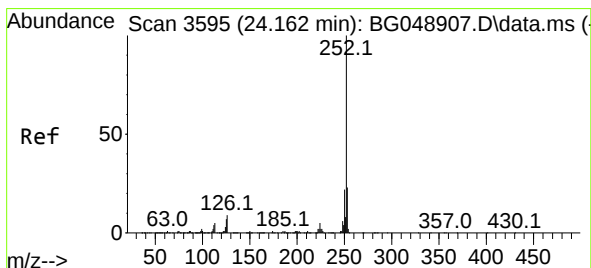
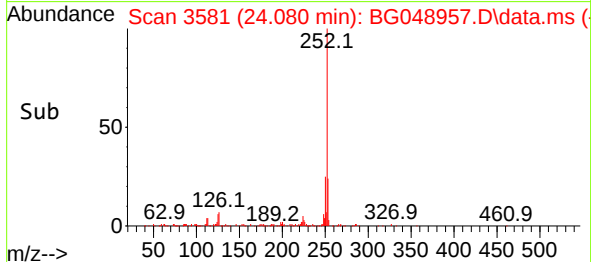
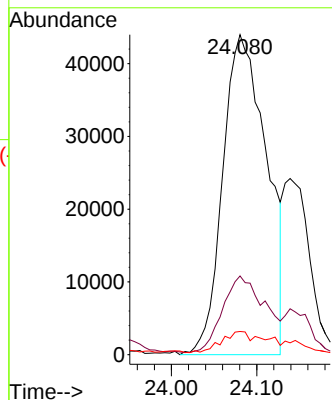
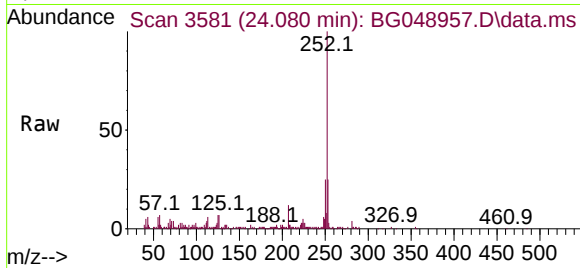




#88
Benzo(b)fluoranthene
Concen: 8.81 ng
RT: 24.080 min Scan# 3581
Delta R.T. -0.017 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

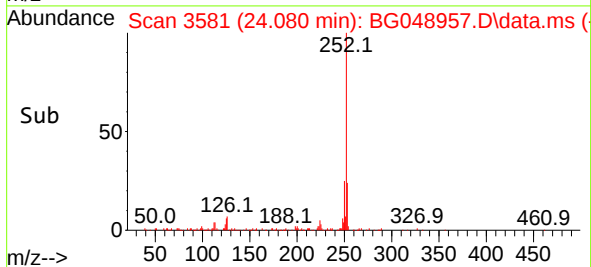
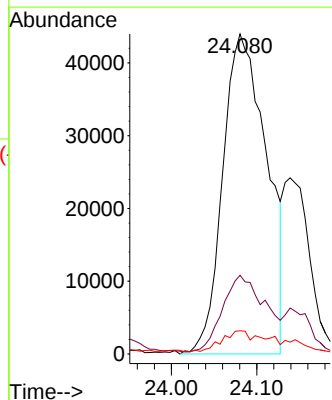
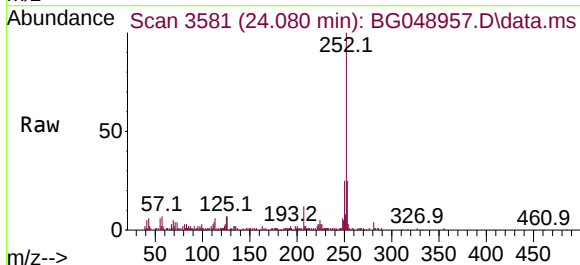
Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

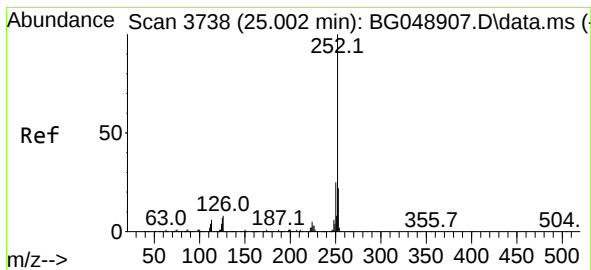
Tgt Ion:252 Resp: 156964
Ion Ratio Lower Upper
252 100
253 24.6 16.2 24.4#
125 7.3 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 9.29 ng
RT: 24.080 min Scan# 3581
Delta R.T. -0.082 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Tgt Ion:252 Resp: 156964
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 7.3 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 7.33 ng
RT: 24.979 min Scan# 3734
Delta R.T. -0.023 min
Lab File: BG048957.D
Acq: 14 Jun 2021 20:14

Instrument :
BNA_G
ClientSampleId :
0241-AMND-COMP-F(CL-05)

Tgt Ion:252 Resp: 119237
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 7.2 3.5 5.3#

