

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048474.D
 Acq On : 23 Mar 2021 17:50
 Operator : CG/JU
 Sample : M1746-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Quant Time: Mar 23 18:42:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

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

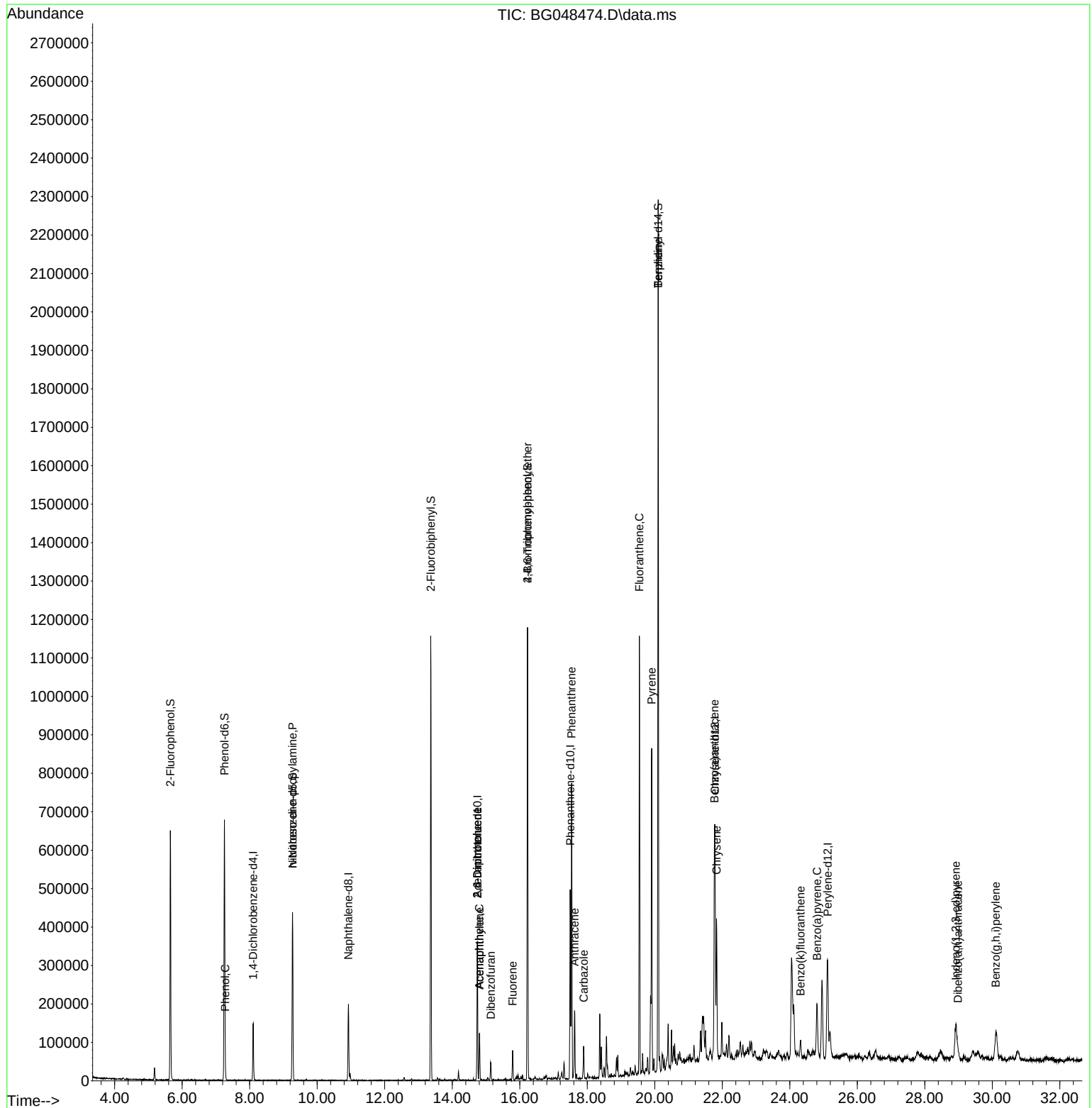
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	37104	20.00	ng	# 0.00
21) Naphthalene-d8	10.926	136	153070	20.00	ng	# 0.00
39) Acenaphthene-d10	14.745	164	119673	20.00	ng	0.00
64) Phenanthrene-d10	17.494	188	291906	20.00	ng	# 0.00
76) Chrysene-d12	21.784	240	280601	20.00	ng	# 0.00
86) Perylene-d12	25.121	264	297549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.650	112	246231	109.74	ng	0.00
7) Phenol-d6	7.254	99	339414	103.96	ng	0.00
23) Nitrobenzene-d5	9.269	82	262267	68.51	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	211311	108.57	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	542764	65.24	ng	0.00
79) Terphenyl-d14	20.103	244	986088	63.38	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.242	77	832	Below Cal	#	13
10) Phenol	7.277	94	8656	2.59	ng	# 64
19) n-Nitroso-di-n-propyla...	9.269	70	38767	16.00	ng	# 76
49) Acenaphthylene	14.809	152	24432	2.18	ng	# 1
51) 2,6-Dinitrotoluene	14.745	165	15895	7.58	ng	# 34
52) Acenaphthene	14.803	154	46090	6.12	ng	95
55) Dibenzofuran	15.144	168	26636	2.37	ng	98
57) 2,4-Dinitrotoluene	14.745	165	15895	5.34	ng	# 32
58) Fluorene	15.791	166	32474	3.45	ng	96
67) 4-Bromophenyl-phenylether	16.231	248	13444	3.66	ng	# 1
71) Phenanthrene	17.536	178	462638	30.00	ng	97
72) Anthracene	17.624	178	110205	7.20	ng	97
73) Carbazole	17.894	167	50458	3.46	ng	# 94
75) Fluoranthene	19.545	202	703861	34.28	ng	94
77) Benzidine	20.103	184	20367	2.42	ng	# 49
78) Pyrene	19.909	202	559541	29.03	ng	96
81) Benzo(a)anthracene	21.766	228	297270	15.27	ng	97
83) Chrysene	21.831	228	257932	13.82	ng	97
87) Indeno(1,2,3-cd)pyrene	28.916	276	175814	7.75	ng	# 83
89) Benzo(k)fluoranthene	24.322	252	41401	2.09	ng	98
90) Benzo(a)pyrene	24.809	252	158598	8.30	ng	98
91) Dibenzo(a,h)anthracene	28.981	278	47120	2.43	ng	# 94
92) Benzo(g,h,i)perylene	30.103	276	78688	4.19	ng	# 89

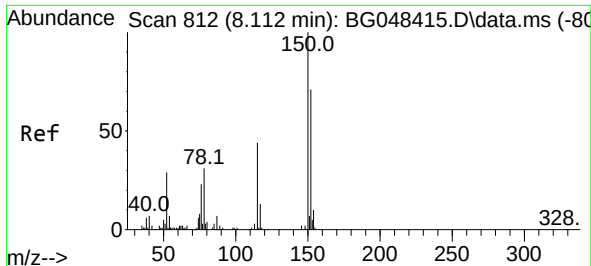
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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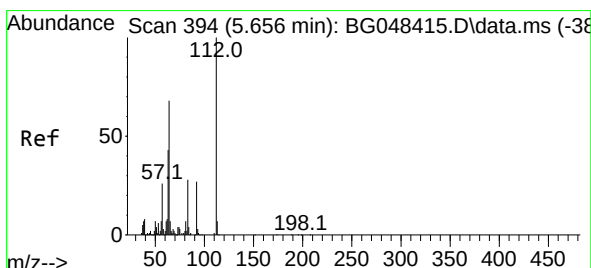
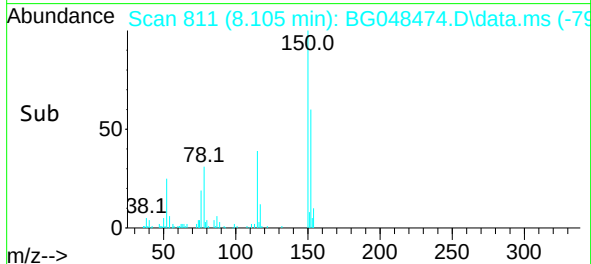
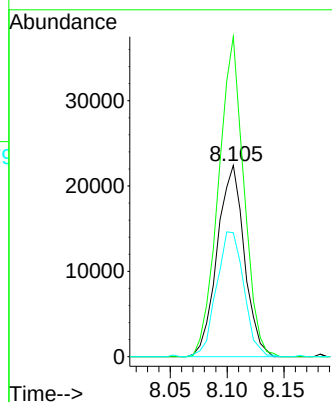
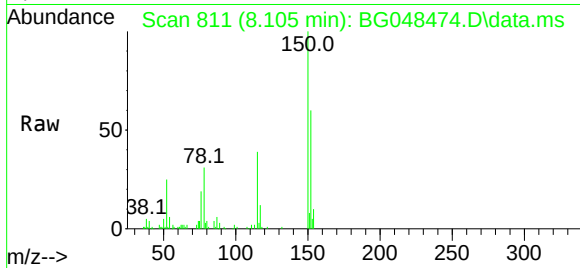




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.105 min Scan# 811
Delta R.T. 0.002 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

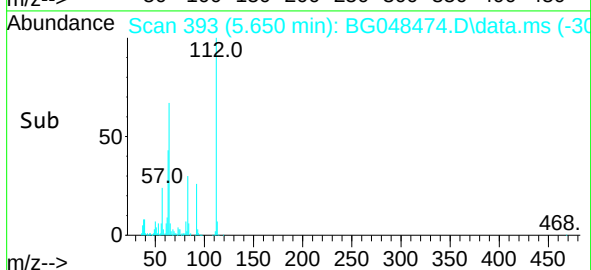
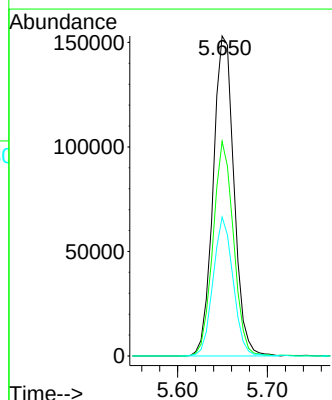
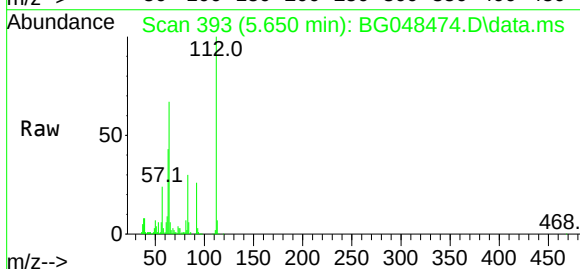
Instrument :
BNA_G
ClientSampled :
COMP-4

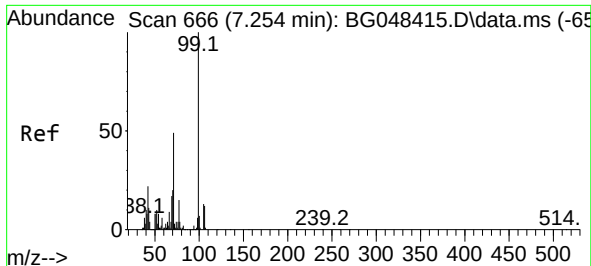
Tgt Ion:152 Resp: 37104
Ion Ratio Lower Upper
152 100
150 167.3 125.0 187.6
115 64.9 41.8 62.6#



#5
2-Fluorophenol
Concen: 109.74 ng
RT: 5.650 min Scan# 393
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:112 Resp: 246231
Ion Ratio Lower Upper
112 100
64 67.1 46.7 70.1
63 43.4 22.8 34.2#

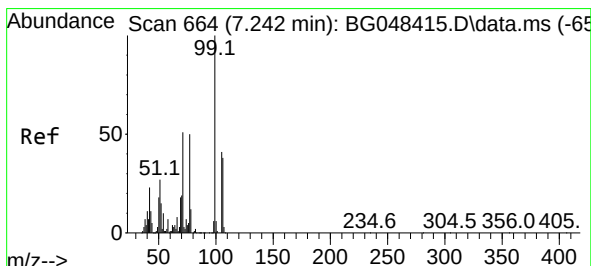
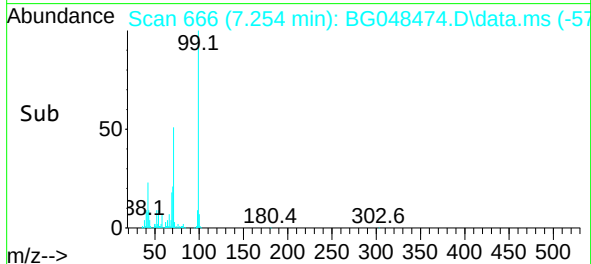
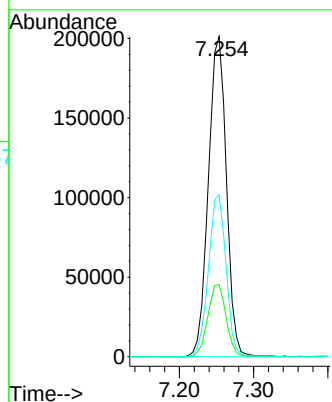
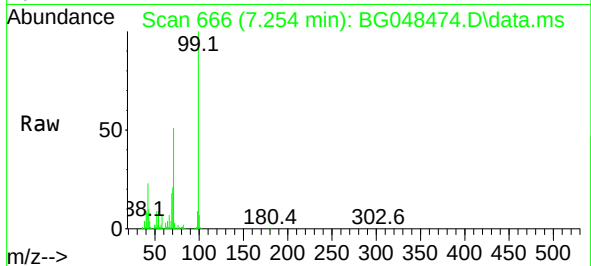




#7
Phenol-d6
Concen: 103.96 ng
RT: 7.254 min Scan# 666
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

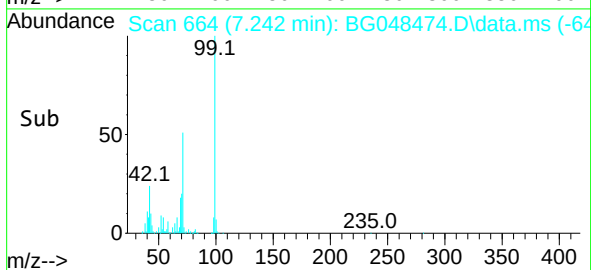
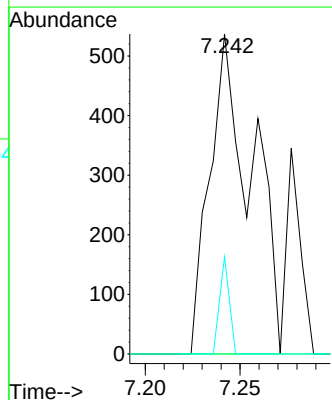
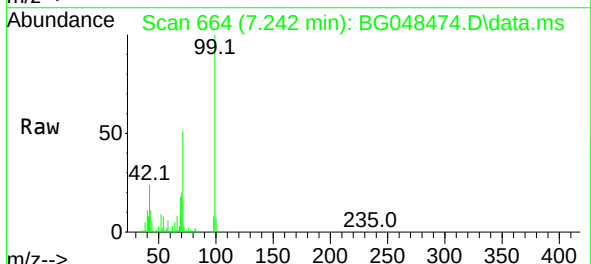
Instrument :
BNA_G
ClientSampleId :
COMP-4

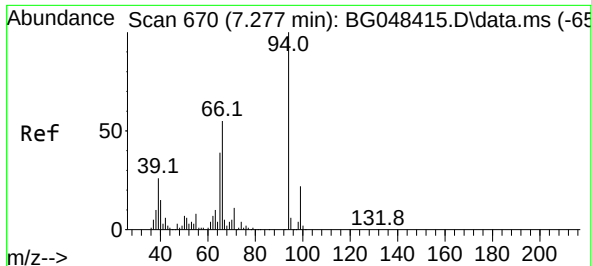
Tgt Ion: 99 Resp: 339414
Ion Ratio Lower Upper
99 100
42 22.5 12.8 19.2#
71 50.7 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.242 min Scan# 664
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion: 77 Resp: 832
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 30.4 80.9 120.9#

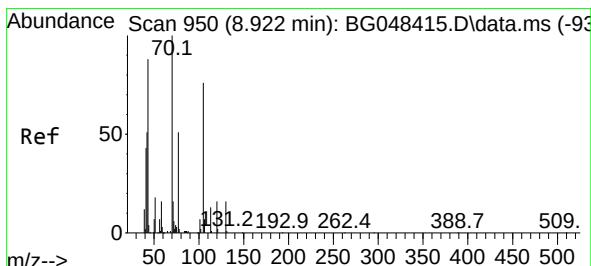
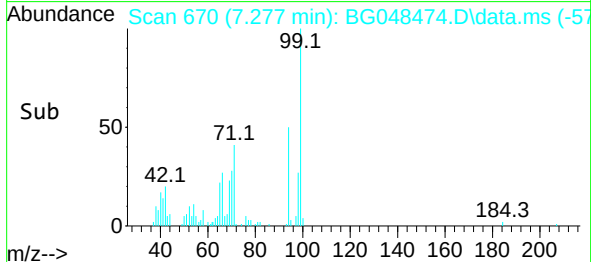
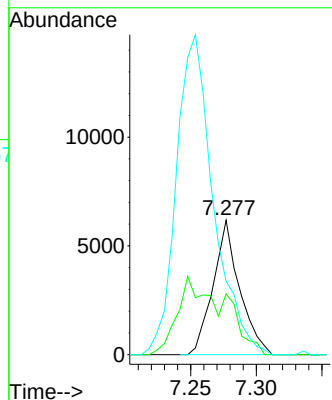
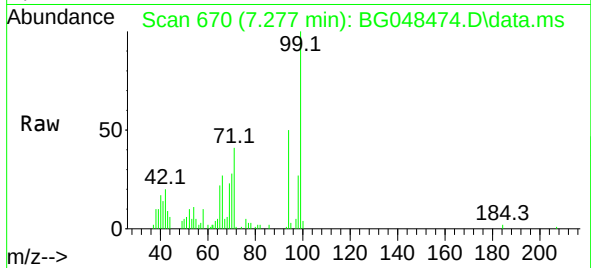




#10
Phenol
Concen: 2.59 ng
RT: 7.277 min Scan# 670
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

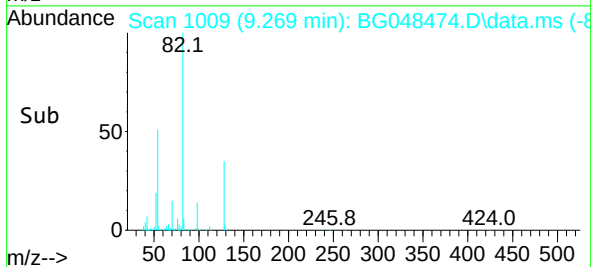
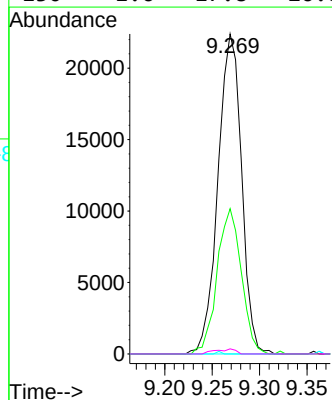
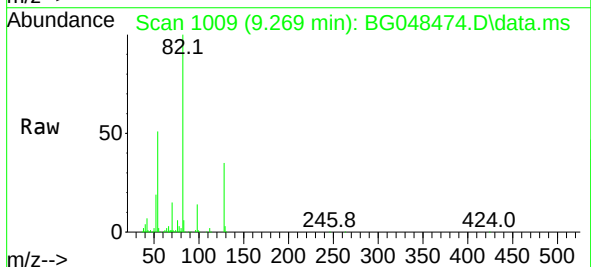
Instrument :
BNA_G
ClientSampled :
COMP-4

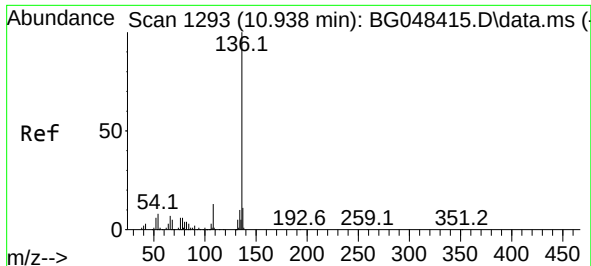
Tgt Ion:	94	Resp:	8656
Ion	Ratio	Lower	Upper
94	100		
65	45.3	6.6	46.6
66	54.6	13.9	53.9#



#19
n-Nitroso-di-n-propylamine
Concen: 16.00 ng
RT: 9.269 min Scan# 1009
Delta R.T. 0.355 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	70	Resp:	38767
Ion	Ratio	Lower	Upper
70	100		
42	45.4	45.6	68.4#
101	0.0	8.4	12.6#
130	1.6	17.8	26.8#

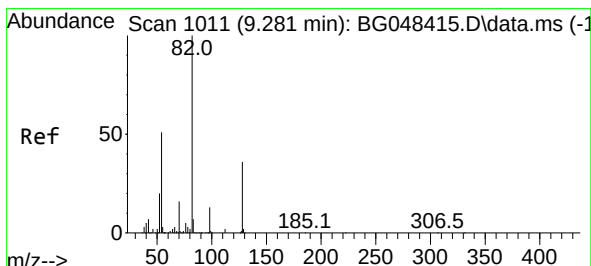
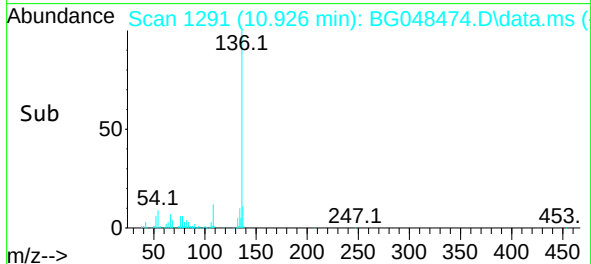
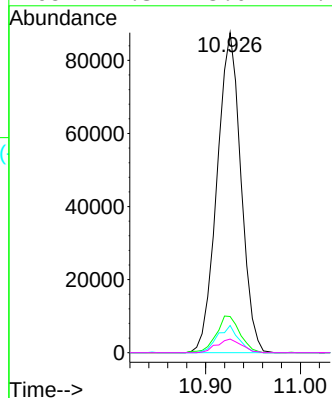
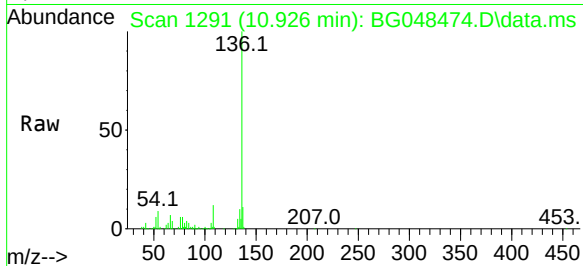




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.926 min Scan# 1291
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

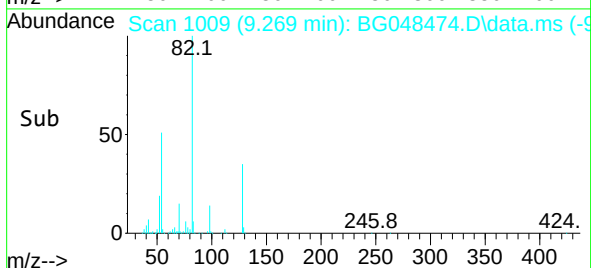
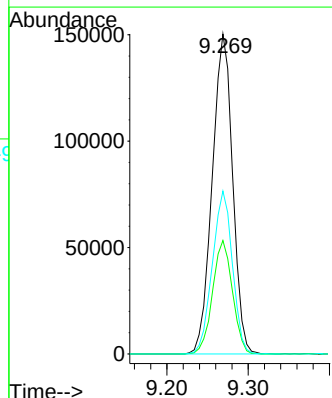
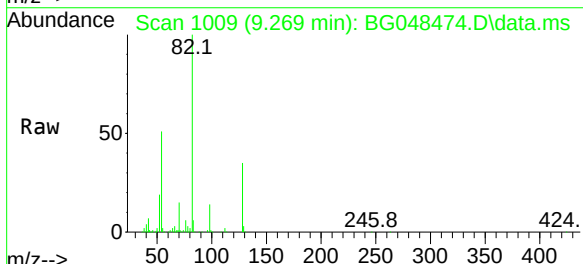
Instrument :
BNA_G
ClientSampleId :
COMP-4

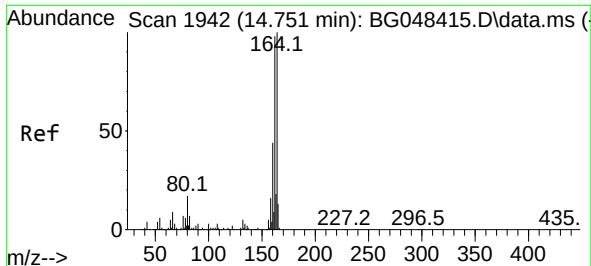
Tgt Ion:	136	Resp:	153070
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.5	6.2	9.4
68	4.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 68.51 ng
RT: 9.269 min Scan# 1009
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	82	Resp:	262267
Ion Ratio	Lower	Upper	
82	100		
128	35.5	37.0	55.6
54	50.9	39.0	58.4

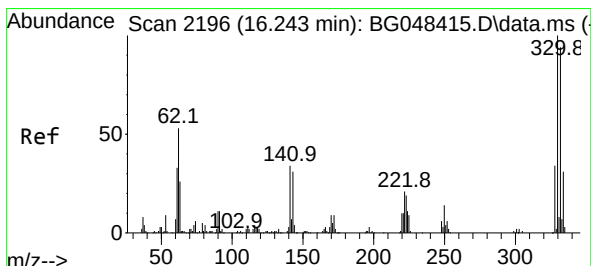
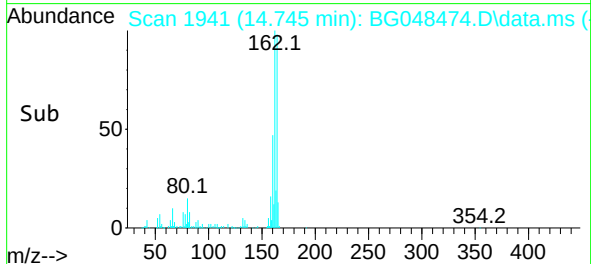
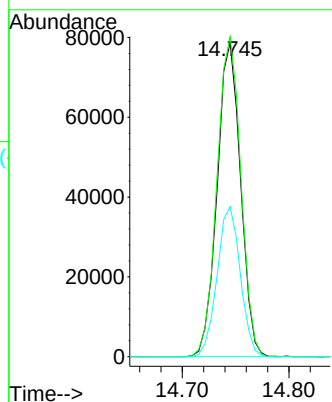
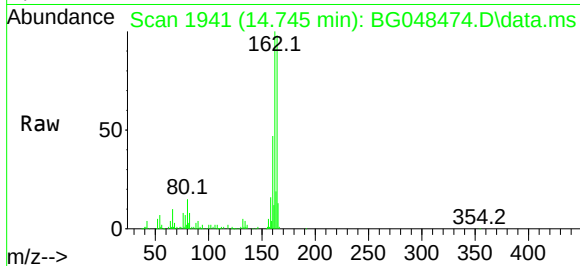




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.745 min Scan# 1941
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

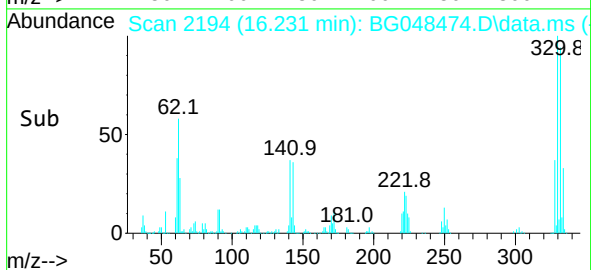
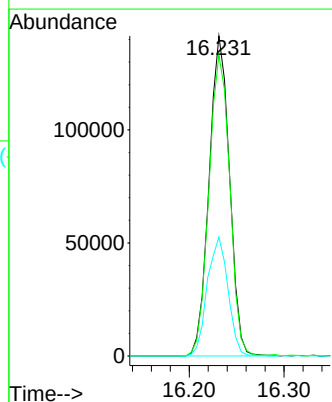
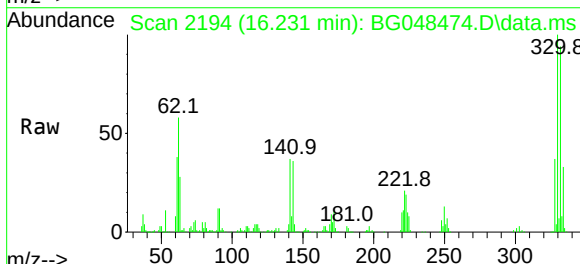
Instrument :
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ClientSampleId :
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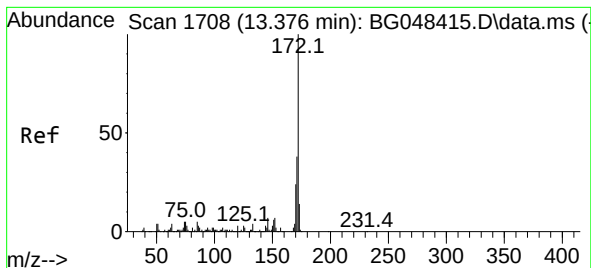
Tgt Ion:164 Resp: 119673
Ion Ratio Lower Upper
164 100
162 101.9 82.3 123.5
160 47.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 108.57 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:330 Resp: 211311
Ion Ratio Lower Upper
330 100
332 95.9 76.5 114.7
141 37.6 26.0 39.0

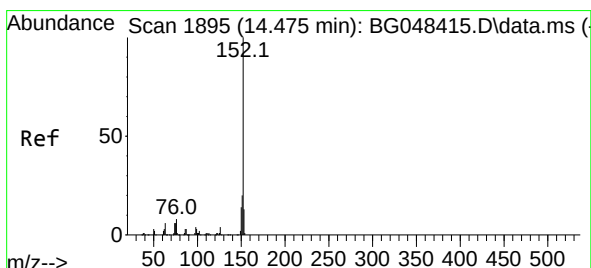
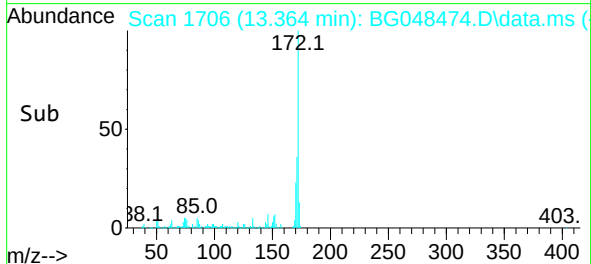
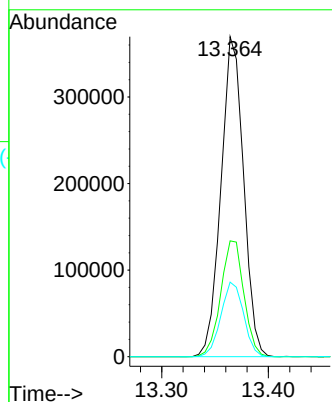
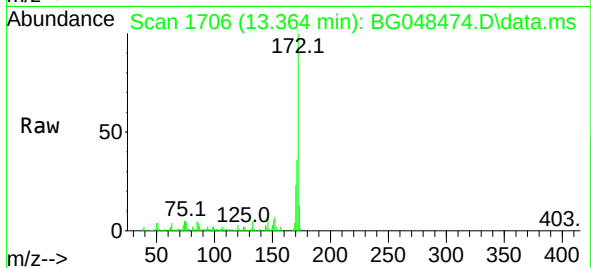




#45
2-Fluorobiphenyl
Concen: 65.24 ng
RT: 13.364 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

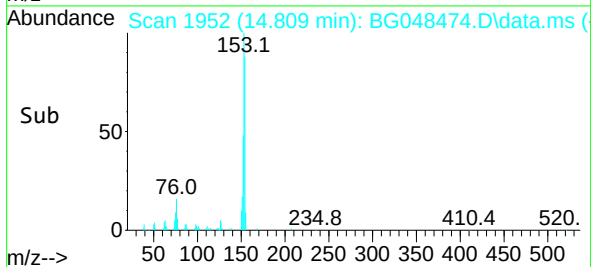
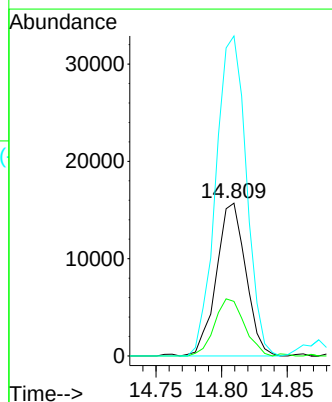
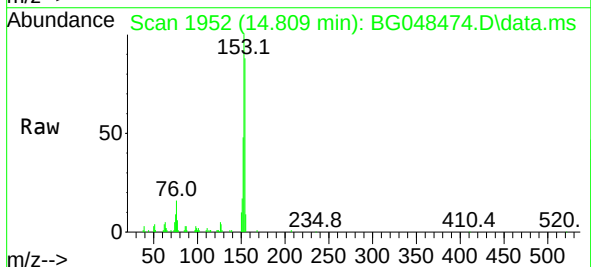
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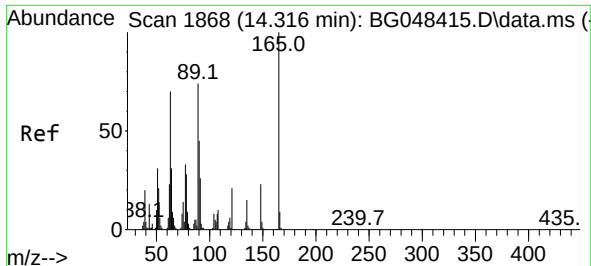
Tgt Ion:172 Resp: 542764
Ion Ratio Lower Upper
172 100
171 36.2 31.3 46.9
170 23.3 20.8 31.2



#49
Acenaphthylene
Concen: 2.18 ng
RT: 14.809 min Scan# 1952
Delta R.T. 0.338 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:152 Resp: 24432
Ion Ratio Lower Upper
152 100
151 35.7 17.4 26.0#
153 209.3 11.5 17.3#

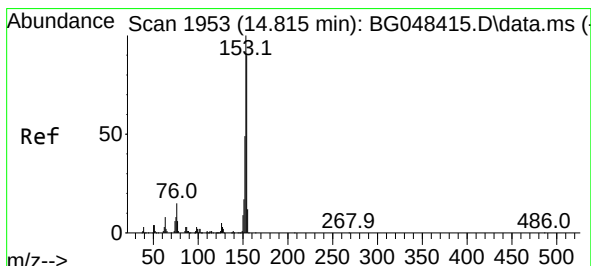
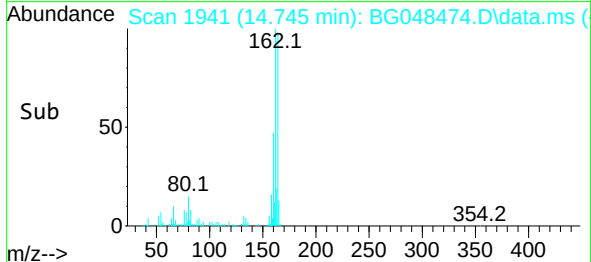
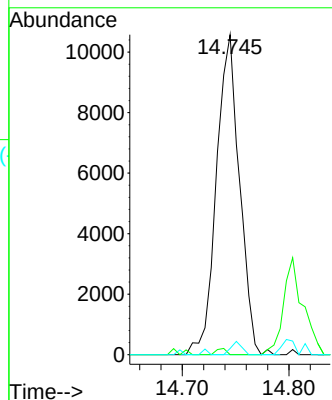
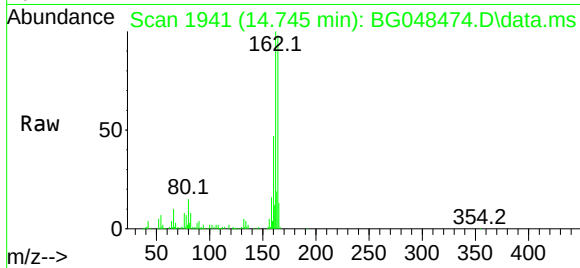




#51
2,6-Dinitrotoluene
Concen: 7.58 ng
RT: 14.745 min Scan# 1941
Delta R.T. 0.432 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

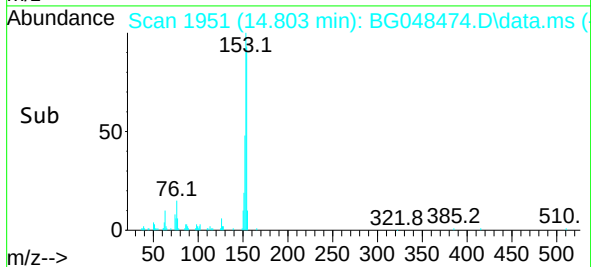
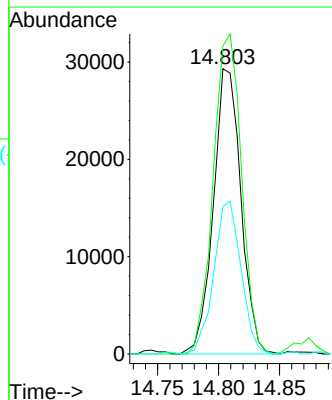
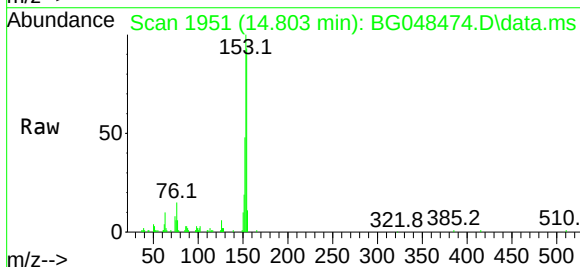
Instrument :
BNA_G
ClientSampled :
COMP-4

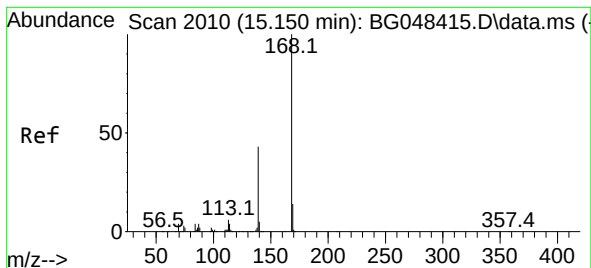
Tgt Ion:165 Resp: 15895
Ion Ratio Lower Upper
165 100
63 0.0 33.7 50.5#
89 2.0 36.6 54.8#



#52
Acenaphthene
Concen: 6.12 ng
RT: 14.803 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:154 Resp: 46090
Ion Ratio Lower Upper
154 100
153 108.0 90.3 135.5
152 51.6 43.8 65.8

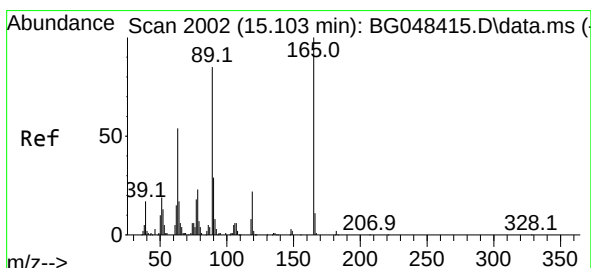
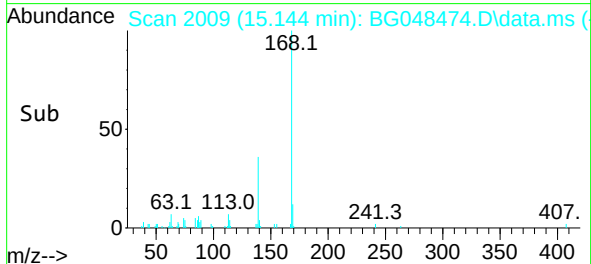
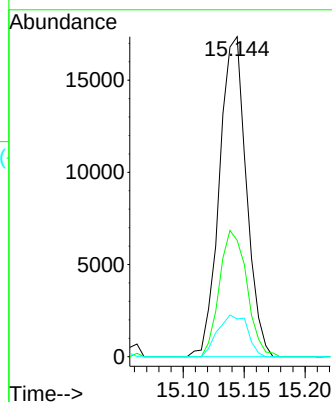
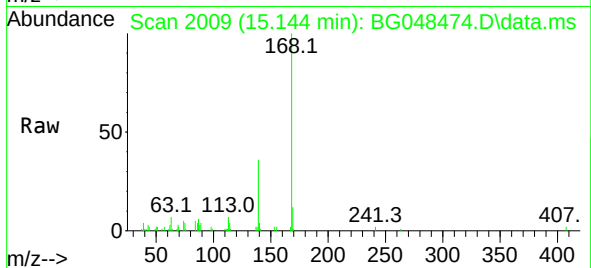




#55
Dibenzenofuran
Concen: 2.37 ng
RT: 15.144 min Scan# 2009
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

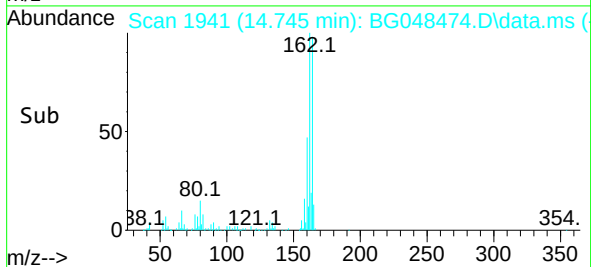
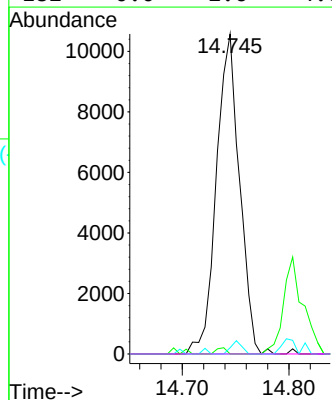
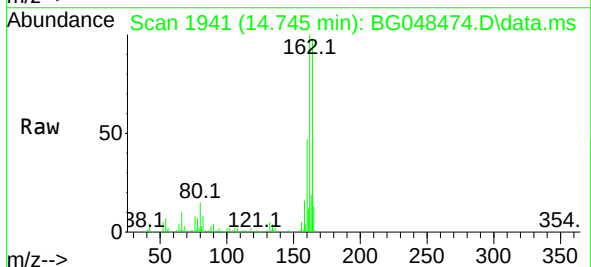
Instrument :
BNA_G
ClientSampleId :
COMP-4

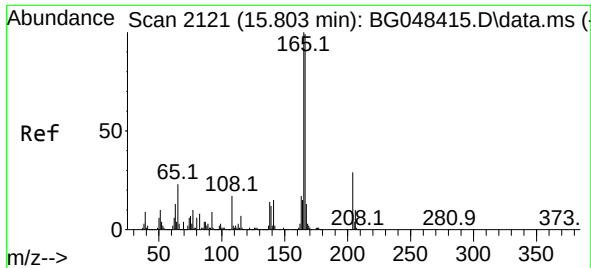
Tgt Ion:168 Resp: 26636
Ion Ratio Lower Upper
168 100
139 36.4 28.6 43.0
169 11.8 11.0 16.6



#57
2,4-Dinitrotoluene
Concen: 5.34 ng
RT: 14.745 min Scan# 1941
Delta R.T. -0.356 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:165 Resp: 15895
Ion Ratio Lower Upper
165 100
63 0.0 26.4 39.6#
89 2.0 47.8 71.8#
182 0.0 2.6 4.0#

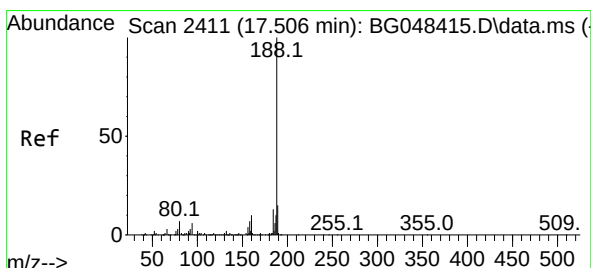
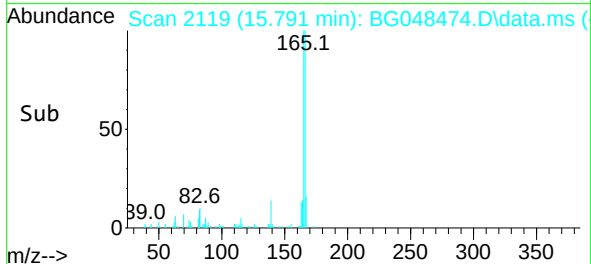
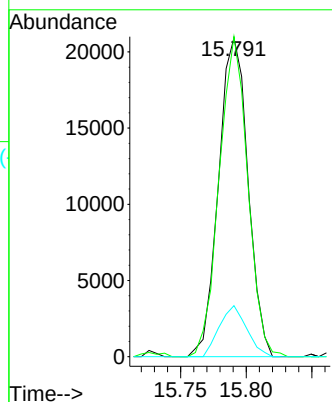
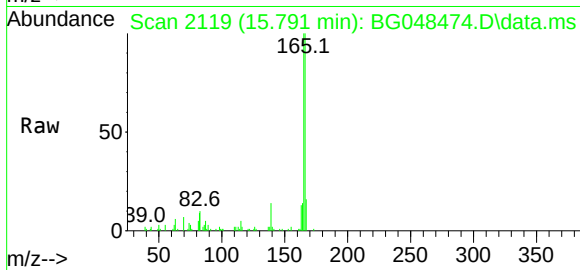




#58
Fluorene
Concen: 3.45 ng
RT: 15.791 min Scan# 2119
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

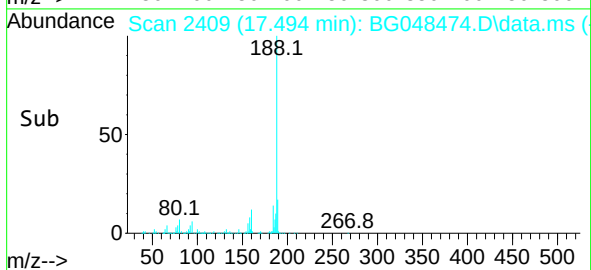
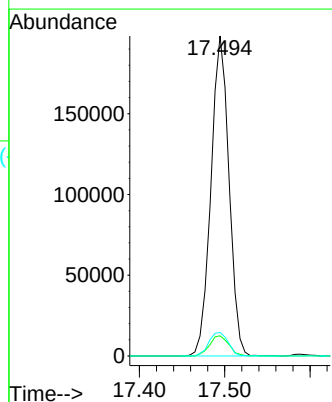
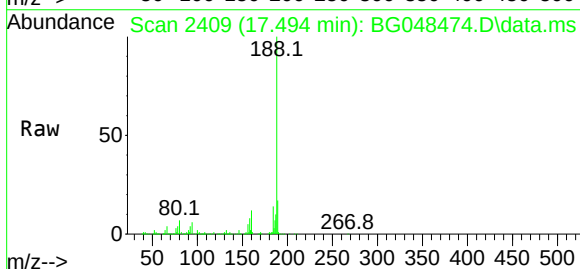
Instrument :
BNA_G
ClientSampleId :
COMP-4

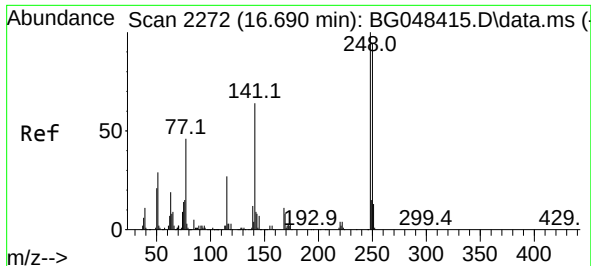
Tgt Ion:166 Resp: 32474
Ion Ratio Lower Upper
166 100
165 100.3 77.2 115.8
167 16.0 11.4 17.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.494 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:188 Resp: 291906
Ion Ratio Lower Upper
188 100
94 6.3 6.3 9.5#
80 7.3 7.0 10.6

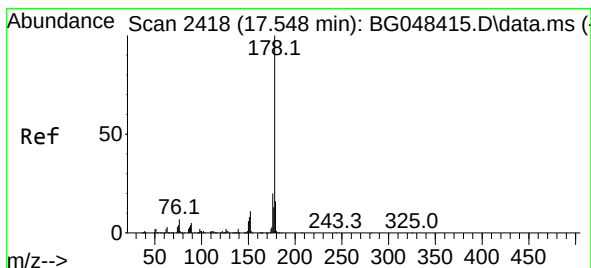
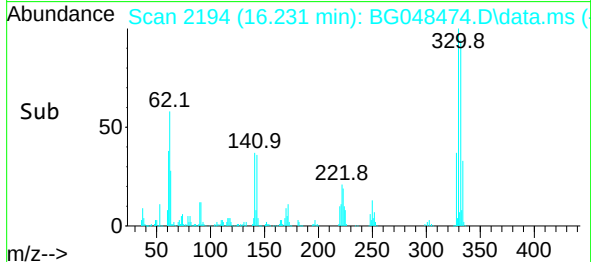
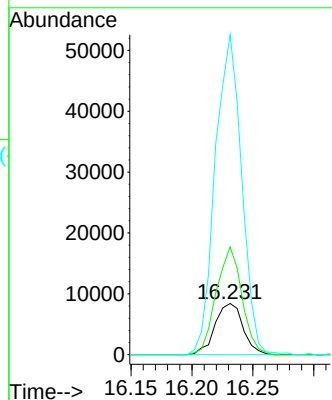
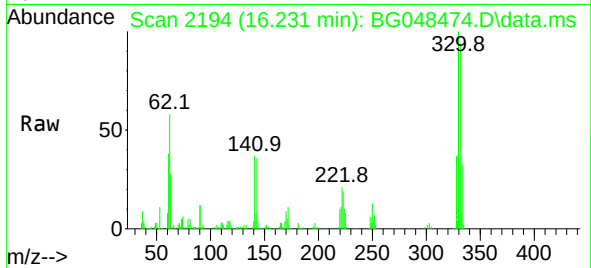




#67
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.450 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

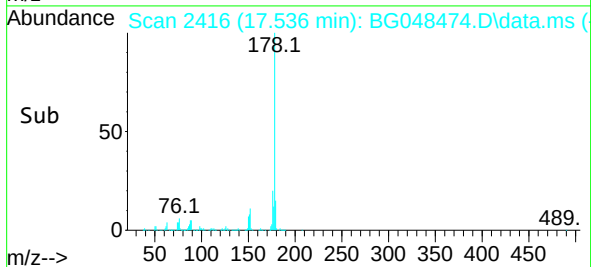
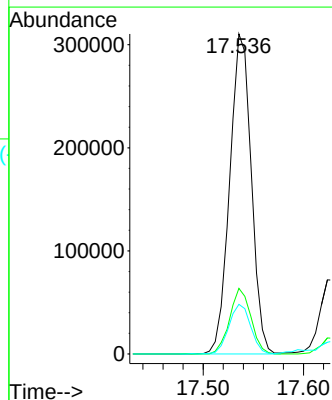
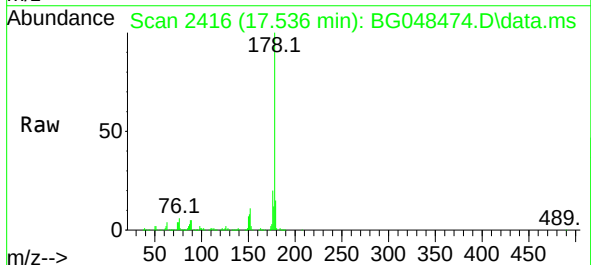
Instrument :
BNA_G
ClientSampleId :
COMP-4

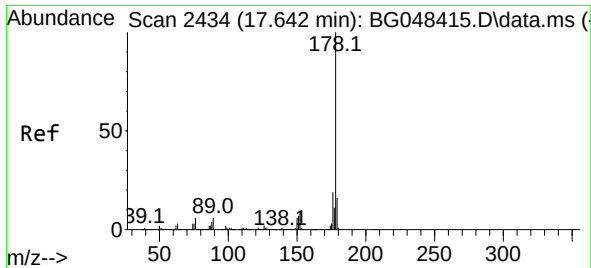
Tgt Ion:248 Resp: 13444
Ion Ratio Lower Upper
248 100
250 210.8 78.9 118.3#
141 625.9 46.2 69.4#



#71
Phenanthrene
Concen: 30.00 ng
RT: 17.536 min Scan# 2416
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:178 Resp: 462638
Ion Ratio Lower Upper
178 100
176 20.5 16.7 25.1
179 15.5 14.0 21.0

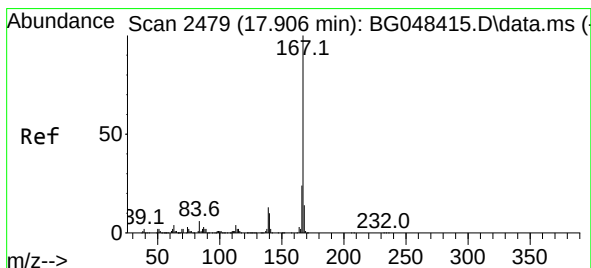
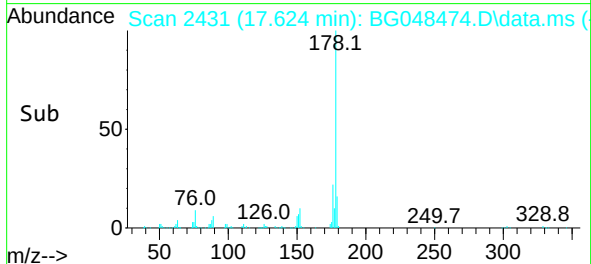
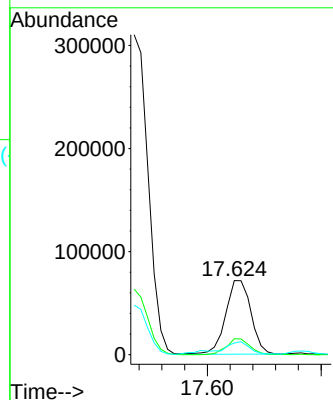
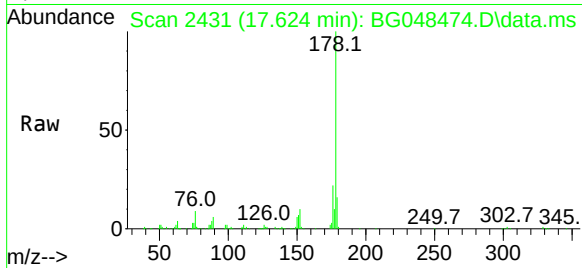




#72
 Anthracene
 Concen: 7.20 ng
 RT: 17.624 min Scan# 2431
 Delta R.T. -0.009 min
 Lab File: BG048474.D
 Acq: 23 Mar 2021 17:50

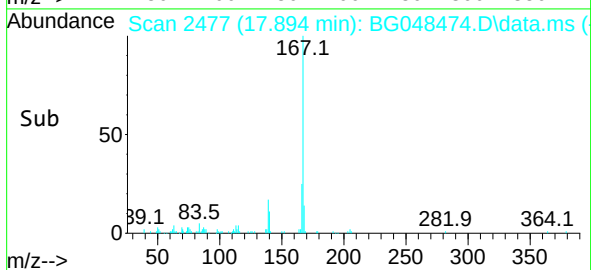
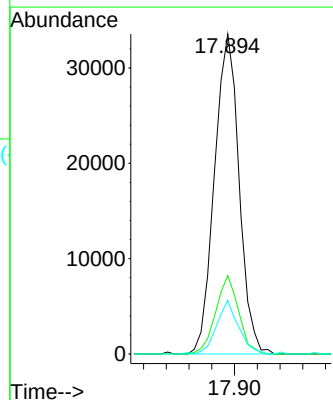
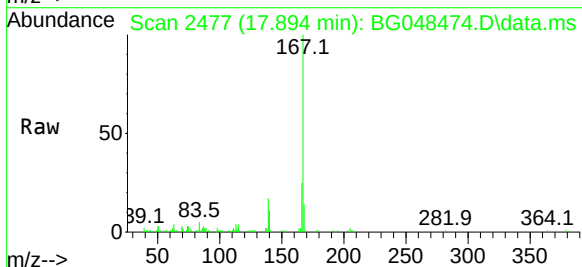
Instrument :
 BNA_G
 ClientSampled :
 COMP-4

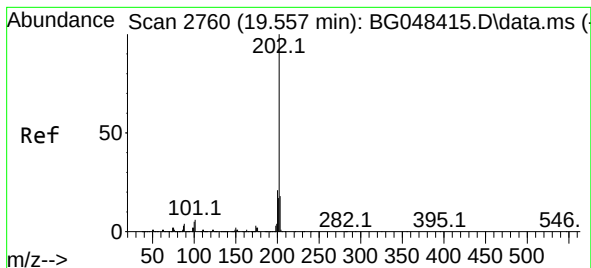
Tgt Ion:178 Resp: 110205
 Ion Ratio Lower Upper
 178 100
 176 21.6 16.4 24.6
 179 15.9 13.8 20.6



#73
 Carbazole
 Concen: 3.46 ng
 RT: 17.894 min Scan# 2477
 Delta R.T. -0.003 min
 Lab File: BG048474.D
 Acq: 23 Mar 2021 17:50

Tgt Ion:167 Resp: 50458
 Ion Ratio Lower Upper
 167 100
 166 24.5 18.7 28.1
 139 16.8 9.6 14.4#

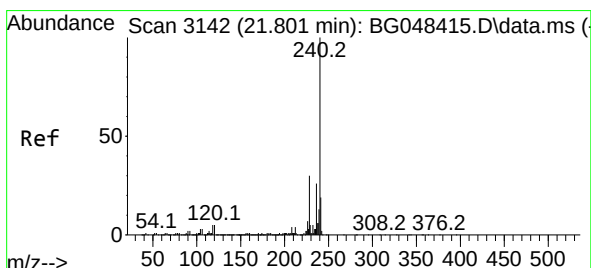
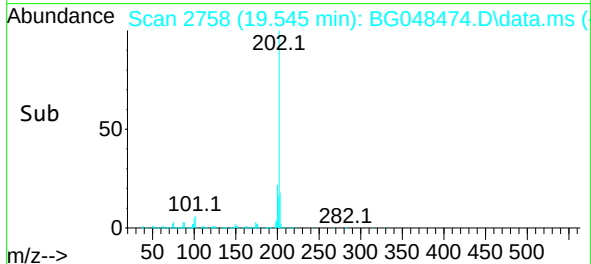
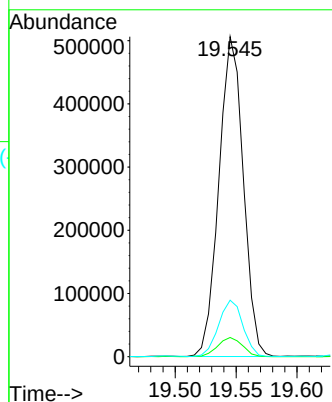
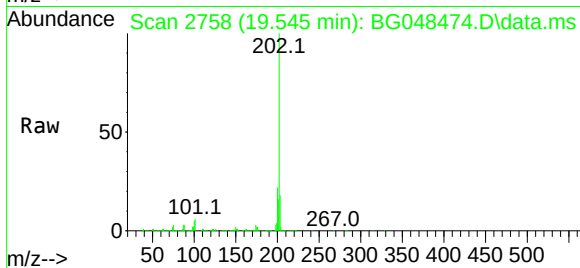




#75
Fluoranthene
Concen: 34.28 ng
RT: 19.545 min Scan# 2758
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

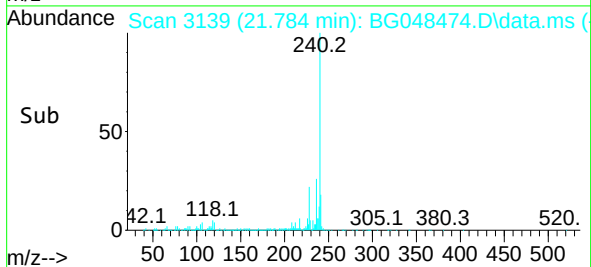
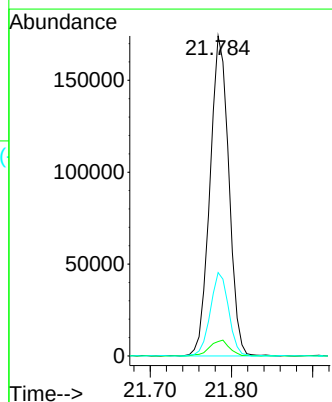
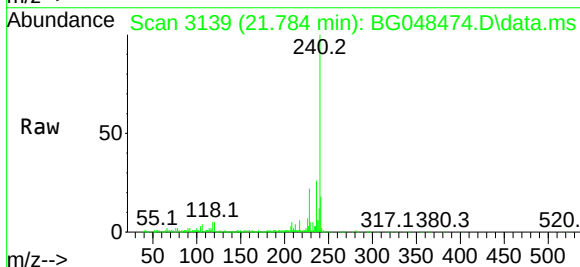
Instrument :
BNA_G
ClientSampleId :
COMP-4

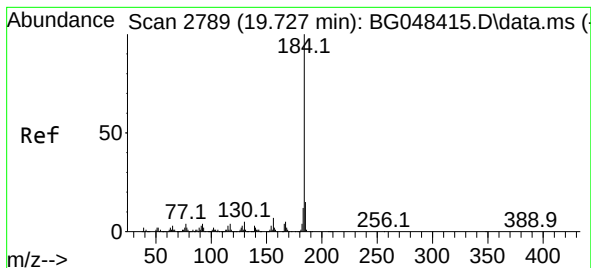
Tgt Ion:202 Resp: 703861
Ion Ratio Lower Upper
202 100
101 6.0 0.0 29.7
203 17.6 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.784 min Scan# 3139
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:240 Resp: 280601
Ion Ratio Lower Upper
240 100
120 4.5 6.2 9.4#
236 26.1 20.5 30.7





#77

Benzidine

Concen: 2.42 ng

RT: 20.103 min Scan# 2853

Delta R.T. 0.379 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

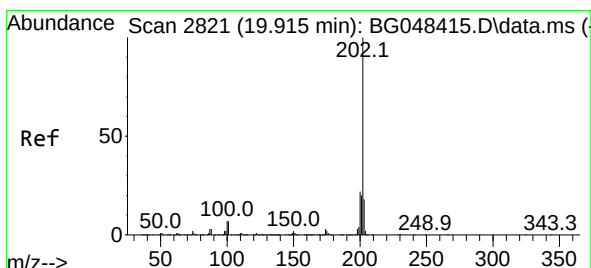
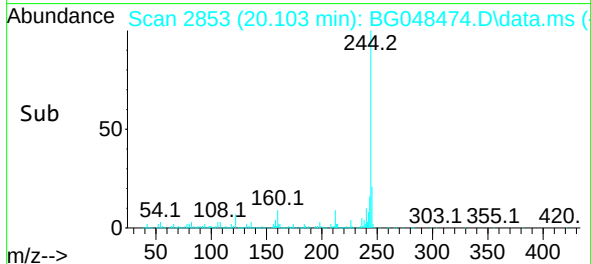
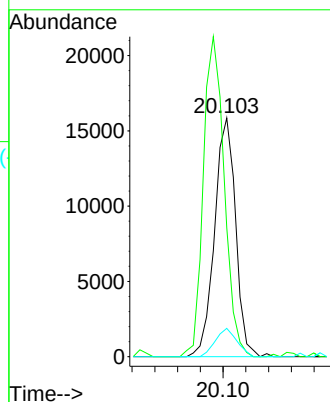
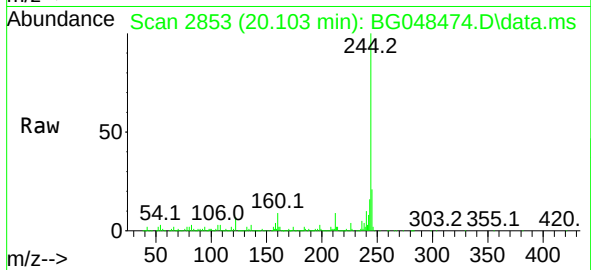
Tgt Ion:184	Resp:	20367
Ion Ratio	Lower	Upper
184	100	
185	54.1	12.4 18.6#
183	11.9	10.6 15.8

Instrument :

BNA_G

ClientSampleId :

COMP-4



#78

Pyrene

Concen: 29.03 ng

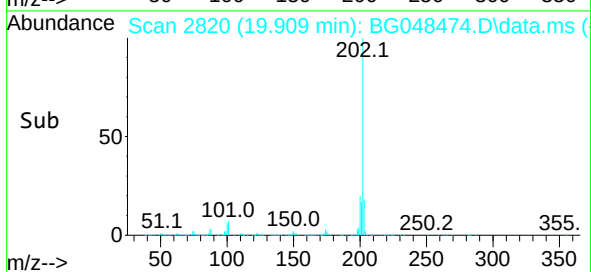
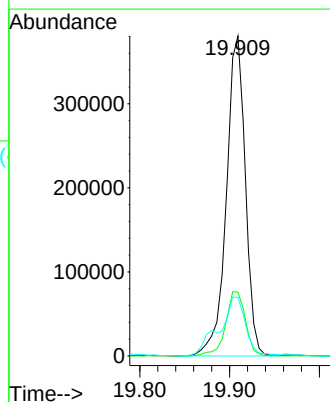
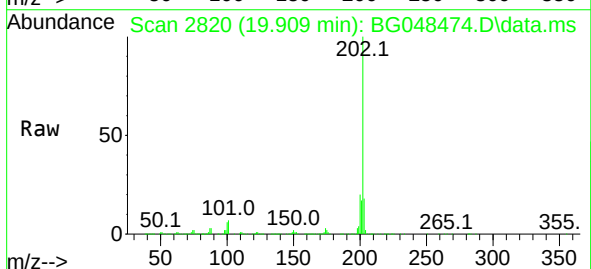
RT: 19.909 min Scan# 2820

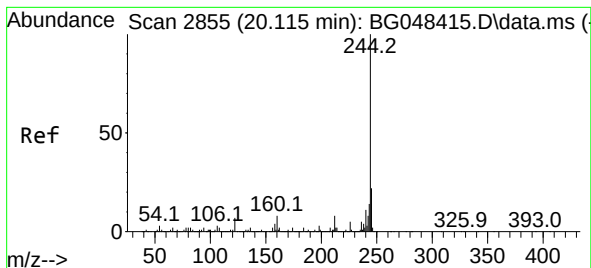
Delta R.T. -0.003 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

Tgt Ion:202	Resp:	559541
Ion Ratio	Lower	Upper
202	100	
200	20.0	18.6 27.8
203	18.3	15.3 22.9





#79

Terphenyl-d14

Concen: 63.38 ng

RT: 20.103 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

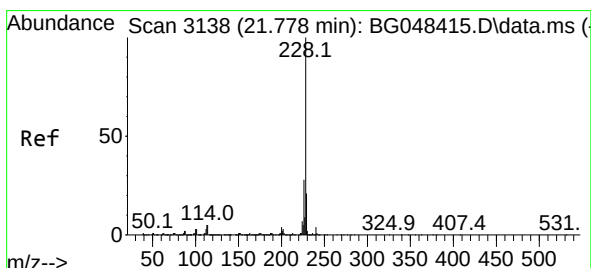
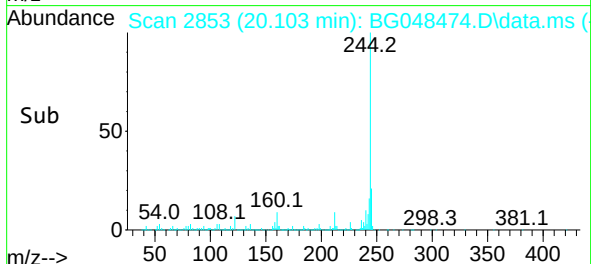
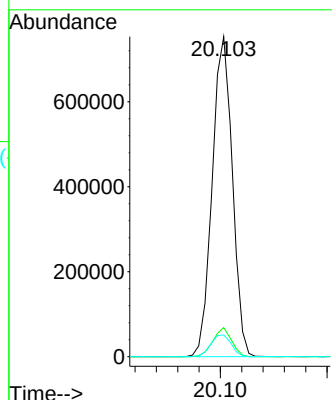
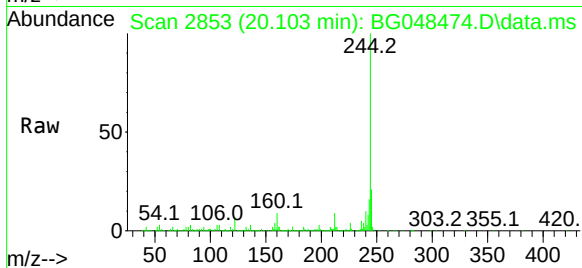
Instrument :

BNA_G

ClientSampleId :

COMP-4

Tgt Ion:244	Resp: 986088
Ion Ratio	Lower Upper
244 100	
212 9.1	6.7 10.1
122 6.8	7.8 11.6#



#81

Benzo(a)anthracene

Concen: 15.27 ng

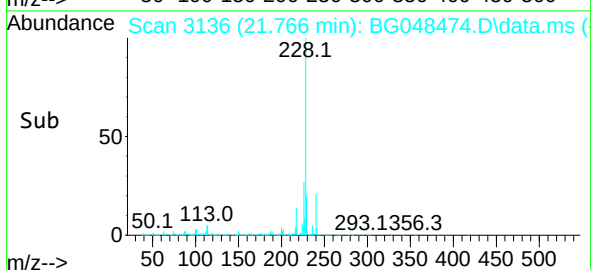
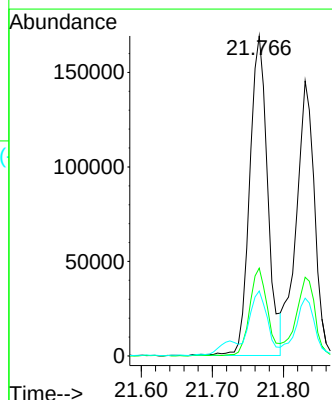
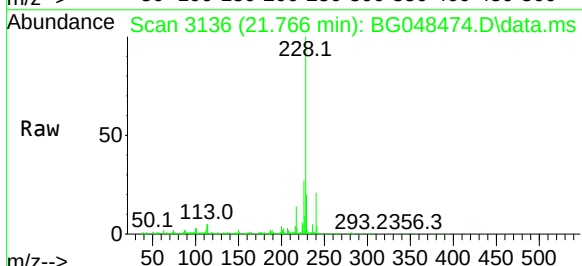
RT: 21.766 min Scan# 3136

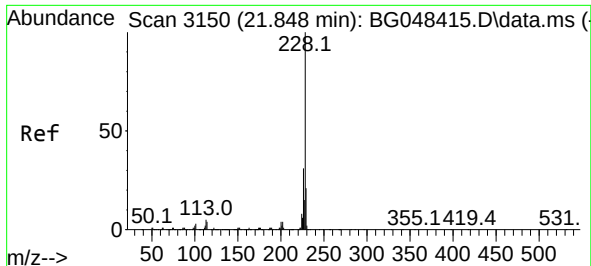
Delta R.T. -0.003 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

Tgt Ion:228	Resp: 297270
Ion Ratio	Lower Upper
228 100	
226 27.5	23.3 34.9
229 20.3	17.4 26.0

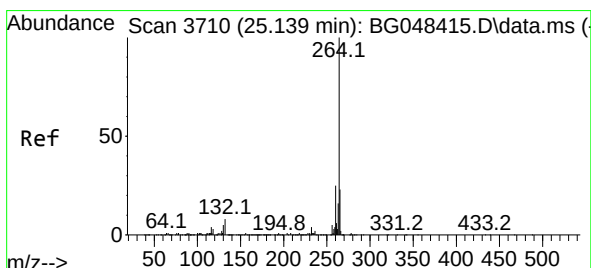
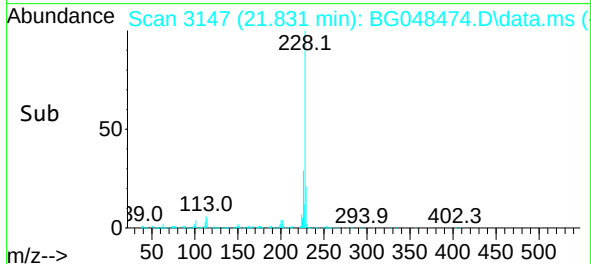
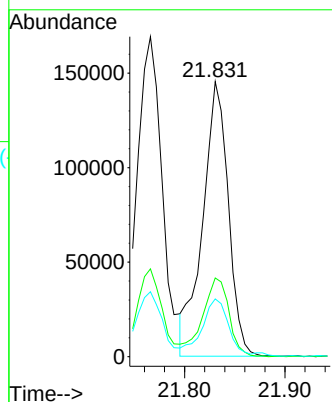
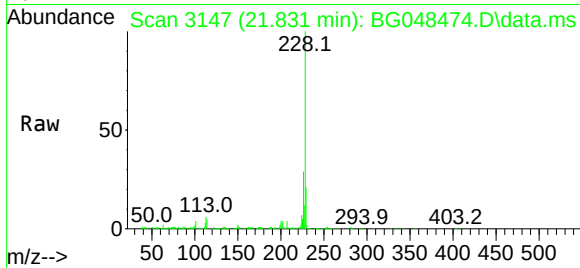




#83
Chrysene
Concen: 13.82 ng
RT: 21.831 min Scan# 3147
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

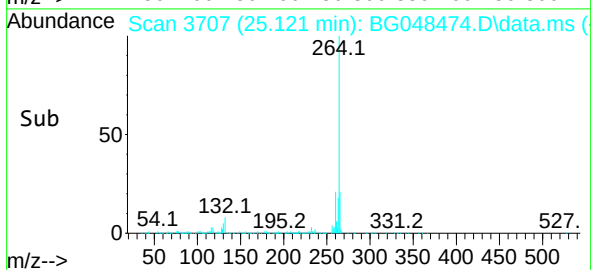
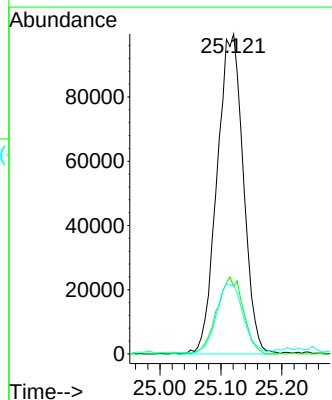
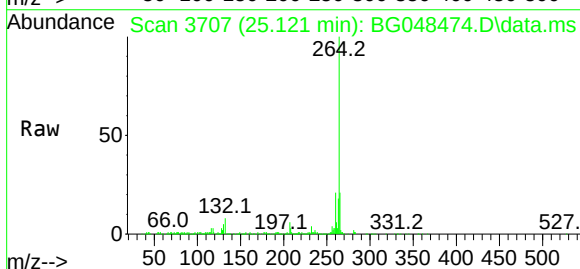
Instrument :
BNA_G
ClientSampleId :
COMP-4

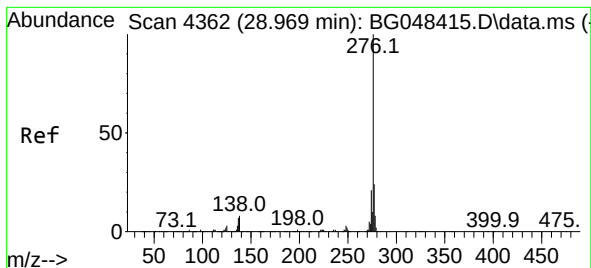
Tgt Ion:	228	Resp:	257932
Ion Ratio	Lower	Upper	
228	100		
226	28.6	25.0	37.4
229	21.0	17.3	25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.121 min Scan# 3707
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	264	Resp:	297549
Ion Ratio	Lower	Upper	
264	100		
260	21.1	18.8	28.2
265	21.4	17.8	26.8

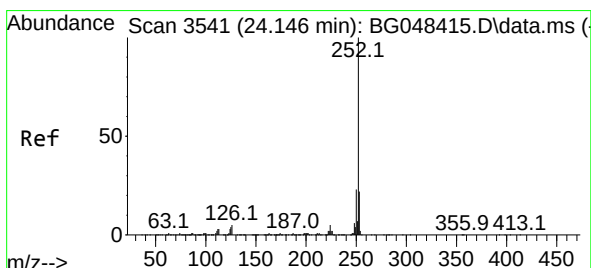
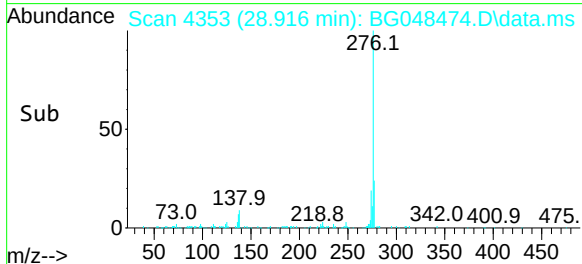
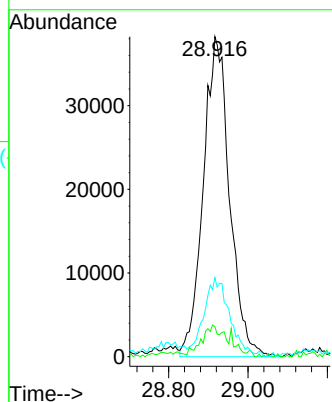
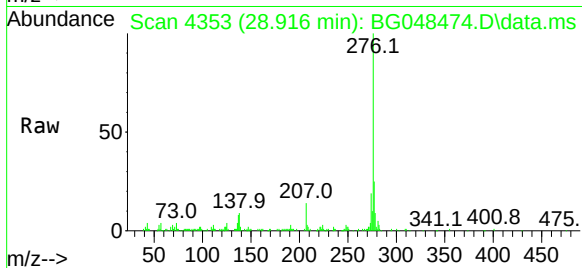




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.75 ng
RT: 28.916 min Scan# 4353
Delta R.T. -0.033 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

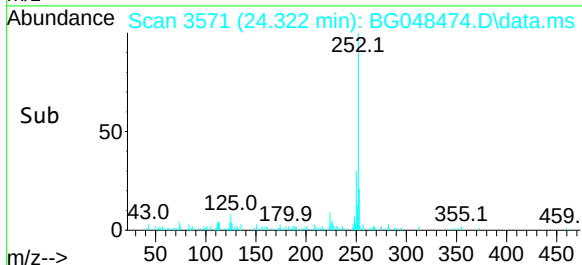
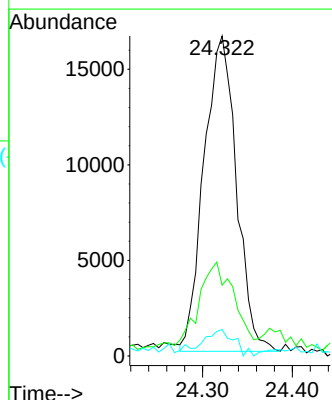
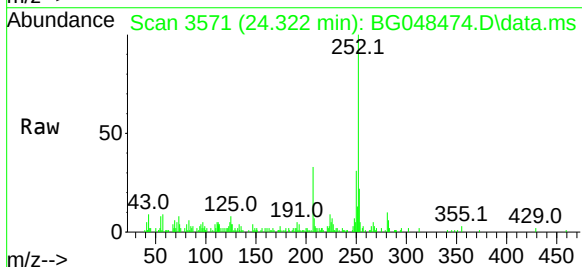
Instrument :
BNA_G
ClientSampleId :
COMP-4

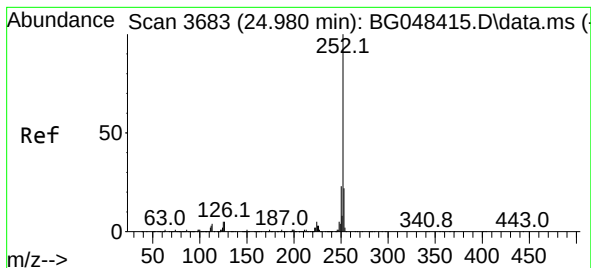
Tgt Ion:276 Resp: 175814
Ion Ratio Lower Upper
276 100
138 5.4 16.2 24.2#
277 22.8 20.3 30.5



#89
Benzo(k)fluoranthene
Concen: 2.09 ng
RT: 24.322 min Scan# 3571
Delta R.T. 0.191 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:252 Resp: 41401
Ion Ratio Lower Upper
252 100
253 22.1 18.6 27.8
125 8.3 6.8 10.2





#90

Benzo(a)pyrene

Concen: 8.30 ng

RT: 24.809 min Scan# 3654

Delta R.T. -0.162 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

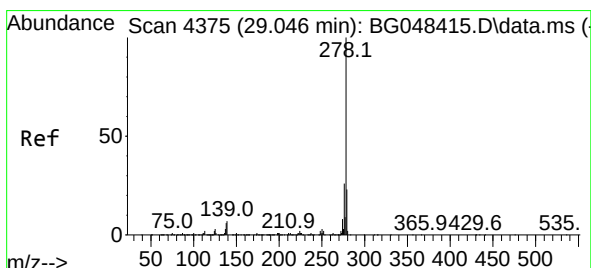
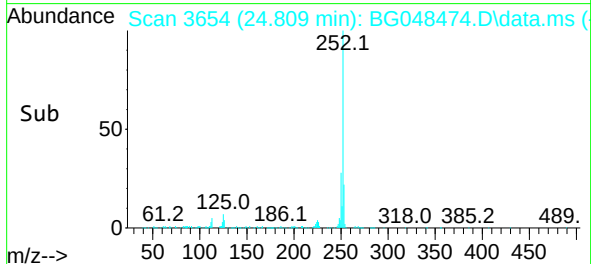
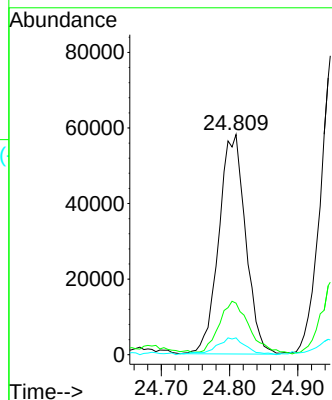
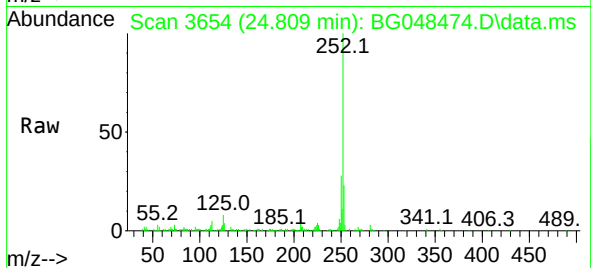
Tgt Ion:252 Resp: 158598

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 7.6 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 2.43 ng

RT: 28.981 min Scan# 4364

Delta R.T. -0.038 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50

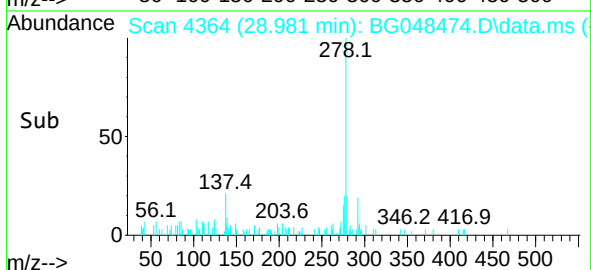
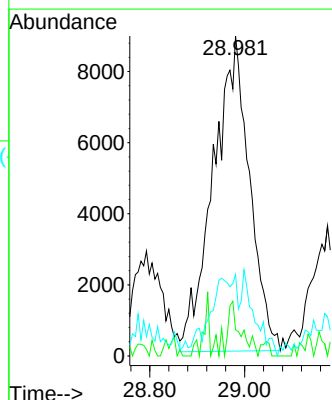
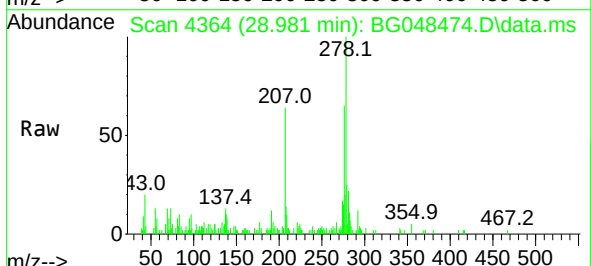
Tgt Ion:278 Resp: 47120

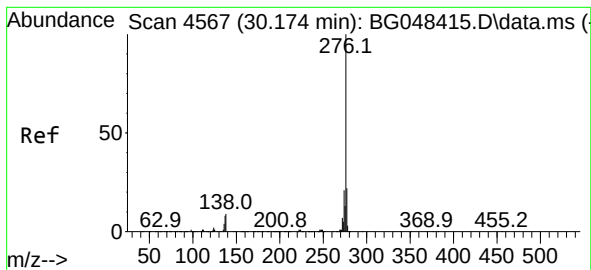
Ion Ratio Lower Upper

278 100

139 8.1 10.5 15.7#

279 25.5 19.4 29.0





#92

Benzo(g,h,i)perylene

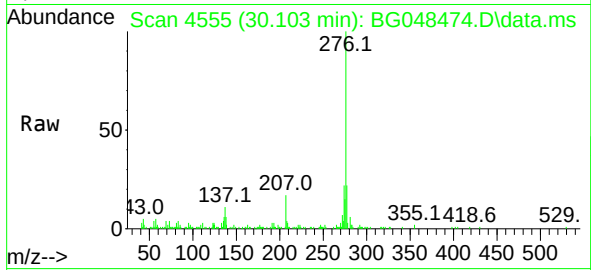
Concen: 4.19 ng

RT: 30.103 min Scan# 4555

Delta R.T. -0.044 min

Lab File: BG048474.D

Acq: 23 Mar 2021 17:50



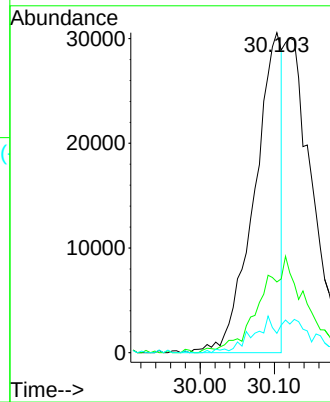
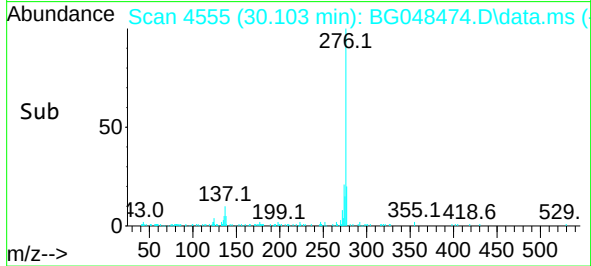
Tgt Ion: 276 Resp: 78688

Ion Ratio Lower Upper

276 100

277 22.1 19.6 29.4

138 8.3 13.4 20.2#



Instrument :

BNA_G

ClientSampleId :

COMP-4