

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048473.D
 Acq On : 23 Mar 2021 17:09
 Operator : CG/JU
 Sample : M1746-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Mar 23 18:41:46 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)

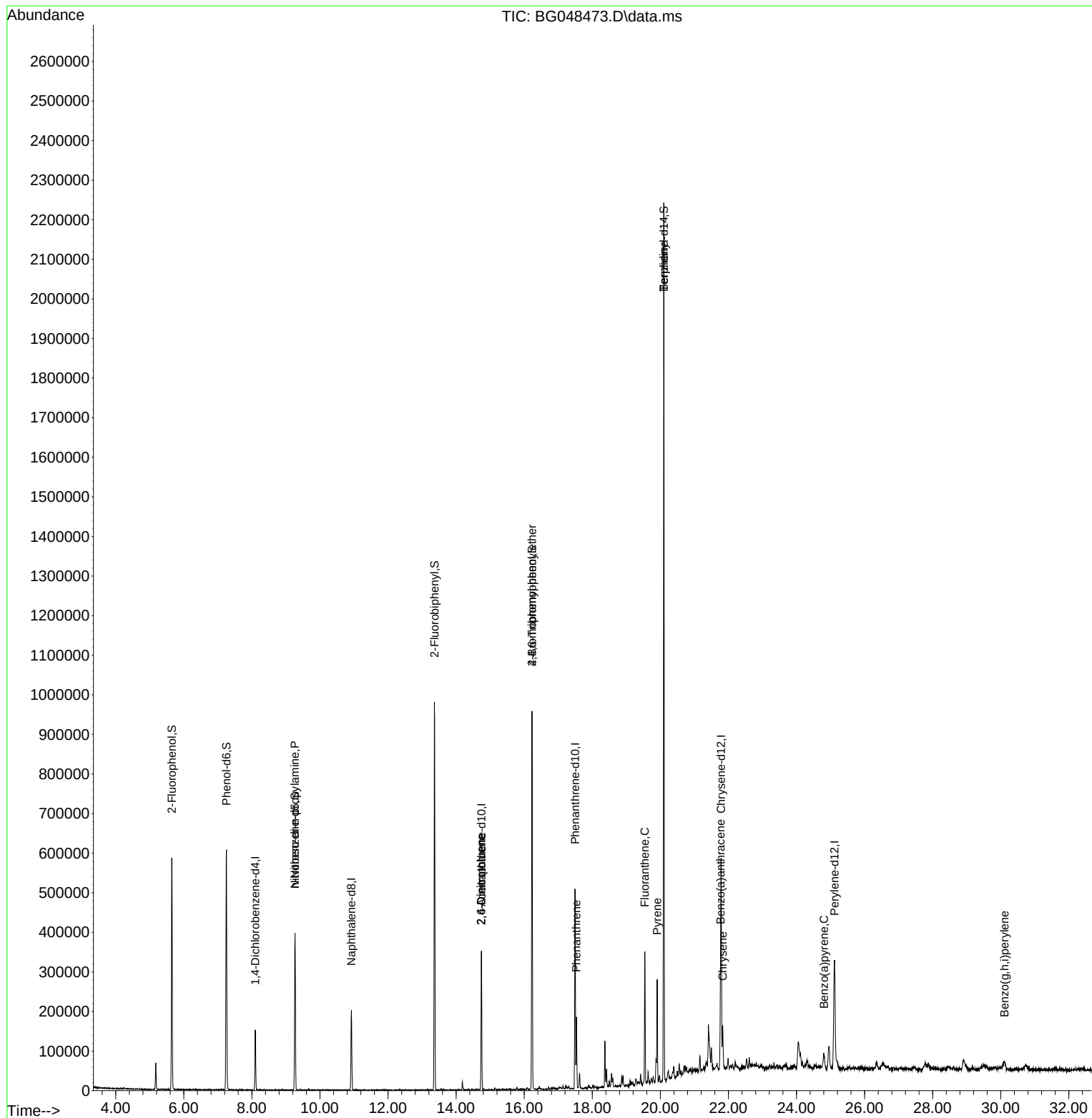
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	40442	20.00	ng	0.00
21) Naphthalene-d8	10.925	136	158177	20.00	ng	# 0.00
39) Acenaphthene-d10	14.744	164	116820	20.00	ng	0.00
64) Phenanthrene-d10	17.494	188	289755	20.00	ng	# 0.00
76) Chrysene-d12	21.783	240	294151	20.00	ng	# 0.00
86) Perylene-d12	25.115	264	310644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	221977	90.77	ng	0.00
7) Phenol-d6	7.253	99	306449	86.12	ng	0.00
23) Nitrobenzene-d5	9.268	82	236553	59.80	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	177326	93.34	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	477359	58.78	ng	0.00
79) Terphenyl-d14	20.103	244	937386	57.47	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.241	77	776	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.268	70	35079	13.28	ng	# 78
51) 2,6-Dinitrotoluene	14.738	165	15261	7.46	ng	# 35
57) 2,4-Dinitrotoluene	14.738	165	15261	5.25	ng	# 33
67) 4-Bromophenyl-phenylether	16.231	248	11449	3.14	ng	# 1
71) Phenanthrene	17.535	178	106884	6.98	ng	98
75) Fluoranthene	19.545	202	202677	9.94	ng	95
77) Benzidine	20.103	184	18870	2.14	ng	94
78) Pyrene	19.909	202	170423	8.44	ng	93
81) Benzo(a)anthracene	21.766	228	95124	4.66	ng	95
83) Chrysene	21.830	228	77396	3.96	ng	94
90) Benzo(a)pyrene	24.803	252	41483	2.08	ng	95
92) Benzo(g,h,i)perylene	30.109	276	40373	2.06	ng	# 85

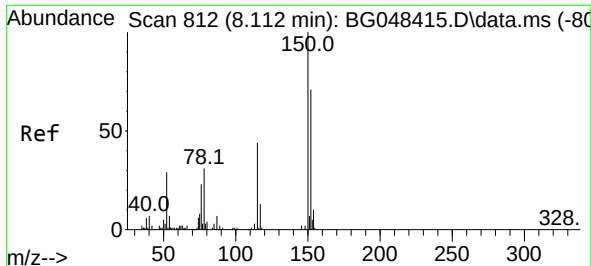
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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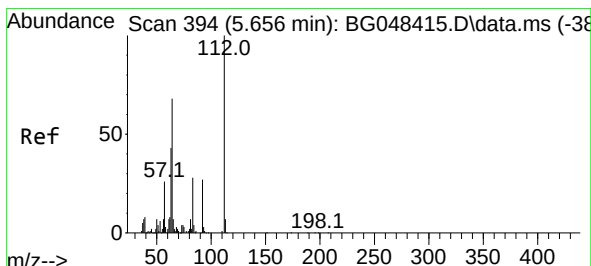
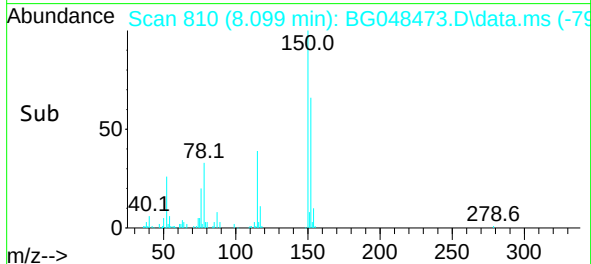
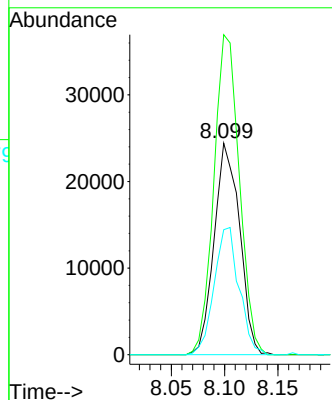
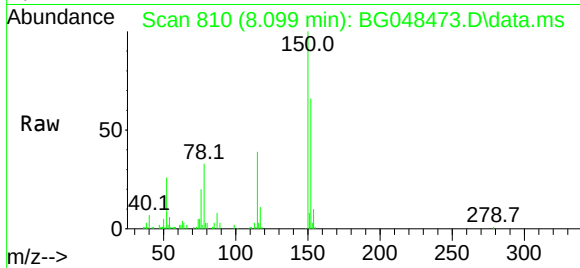




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.099 min Scan# 810
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

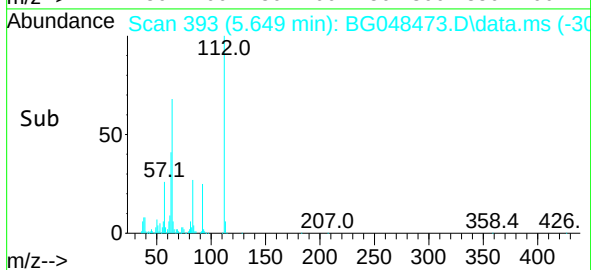
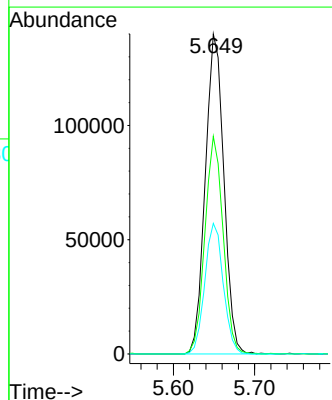
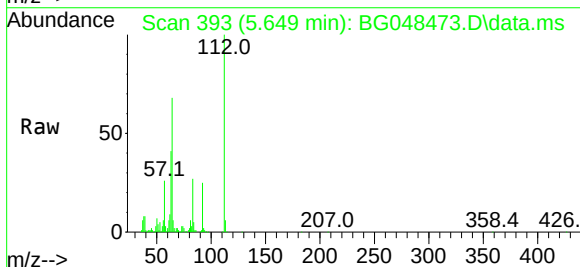
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BNA_G
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COMP-1

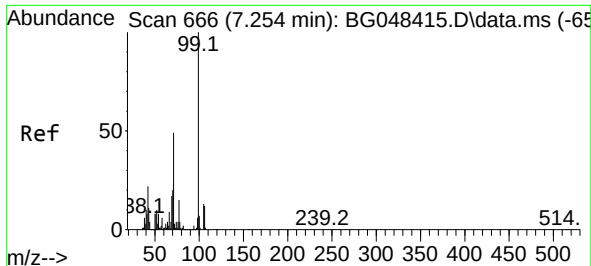
Tgt Ion:152 Resp: 40442
Ion Ratio Lower Upper
152 100
150 151.3 125.0 187.6
115 59.1 41.8 62.6



#5
2-Fluorophenol
Concen: 90.77 ng
RT: 5.649 min Scan# 393
Delta R.T. 0.002 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:112 Resp: 221977
Ion Ratio Lower Upper
112 100
64 68.0 46.7 70.1
63 40.8 22.8 34.2#

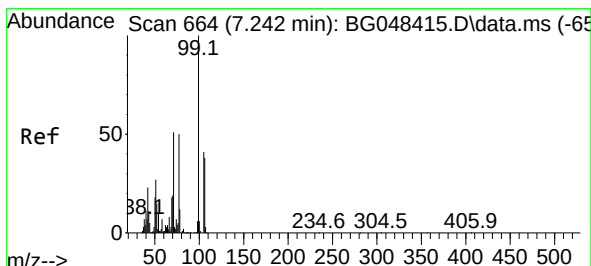
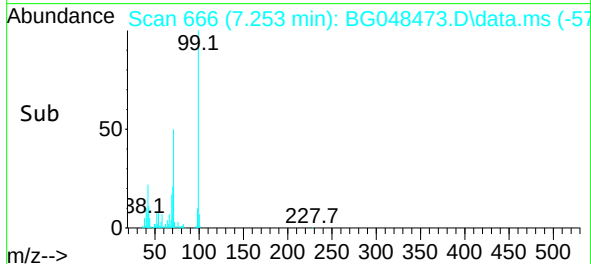
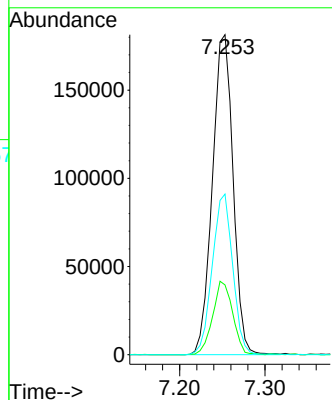
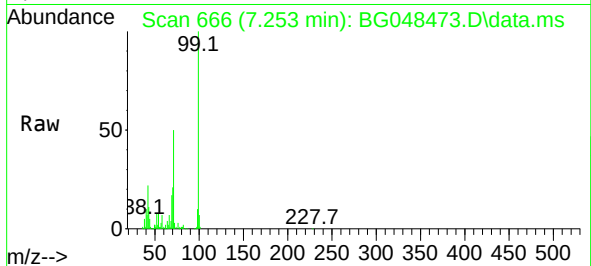




#7
Phenol-d6
Concen: 86.12 ng
RT: 7.253 min Scan# 666
Delta R.T. 0.002 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

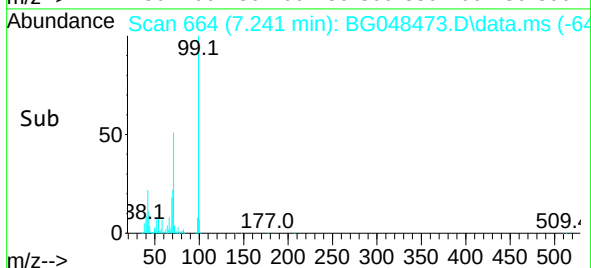
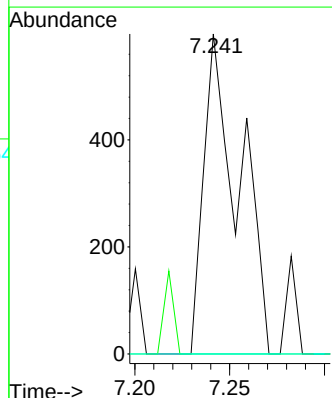
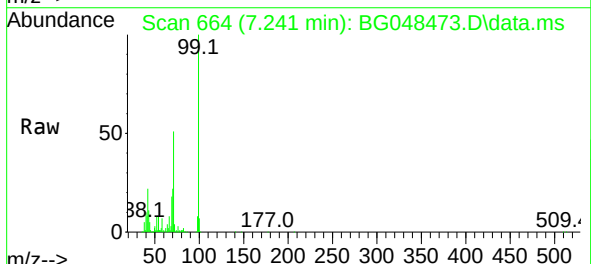
Instrument :
BNA_G
ClientSampleId :
COMP-1

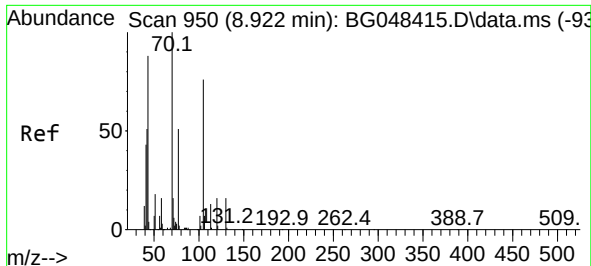
Tgt Ion: 99 Resp: 306449
Ion Ratio Lower Upper
99 100
42 21.8 12.8 19.2#
71 50.2 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.241 min Scan# 664
Delta R.T. 0.002 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion: 77 Resp: 776
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#

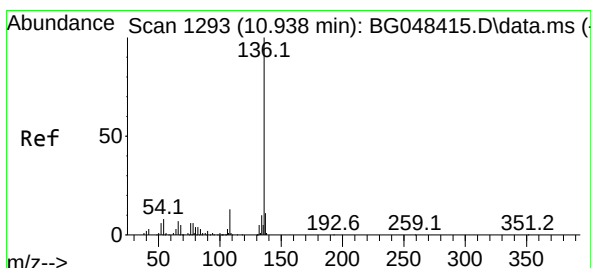
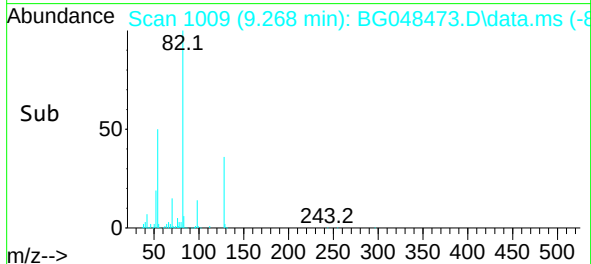
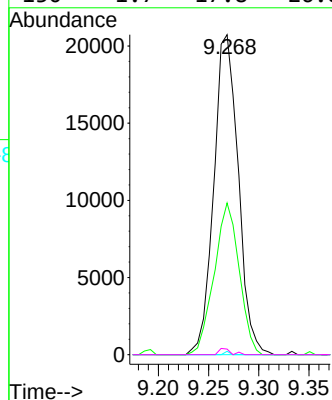
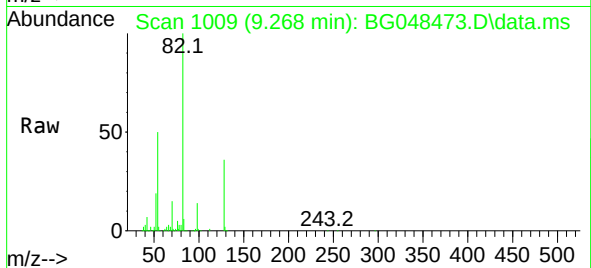




#19
n-Nitroso-di-n-propylamine
Concen: 13.28 ng
RT: 9.268 min Scan# 1009
Delta R.T. 0.355 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

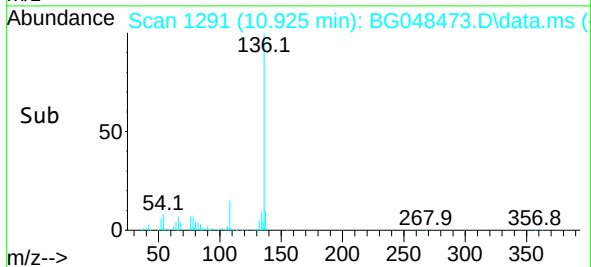
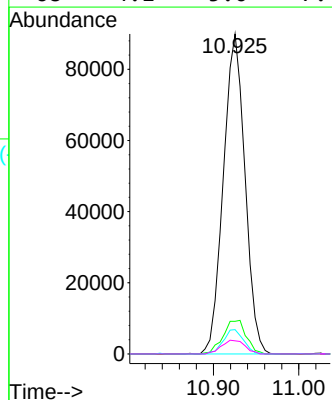
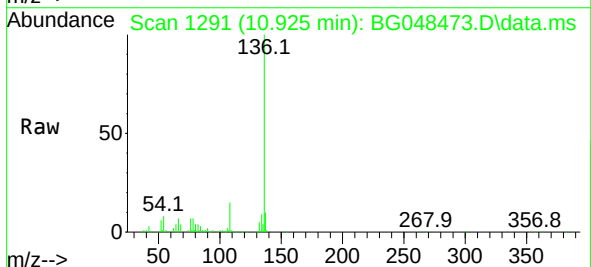
Instrument :
BNA_G
ClientSampleId :
COMP-1

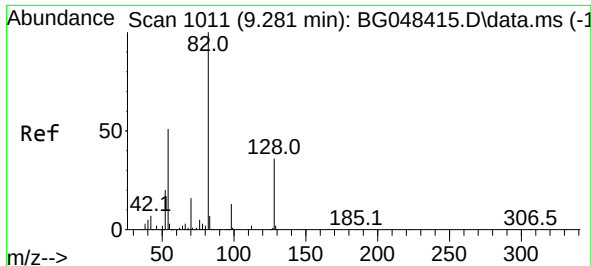
Tgt Ion: 70	Resp:	35079
Ion Ratio	Lower	Upper
70	100	
42	47.4	45.6 68.4
101	1.0	8.4 12.6#
130	1.7	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.925 min Scan# 1291
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion: 136	Resp:	158177
Ion Ratio	Lower	Upper
136	100	
137	10.2	9.1 13.7
54	7.6	6.2 9.4
68	4.1	5.0 7.4#

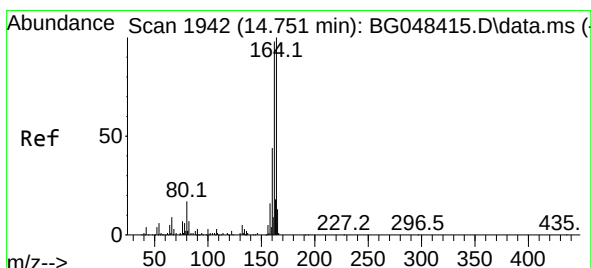
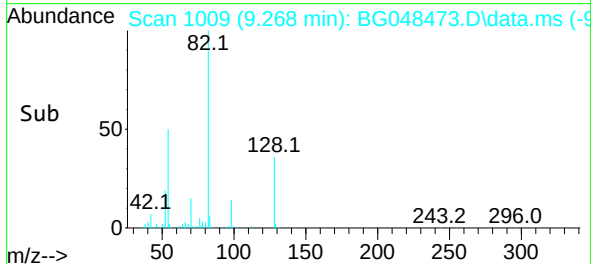
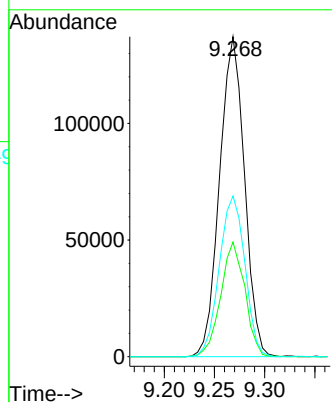
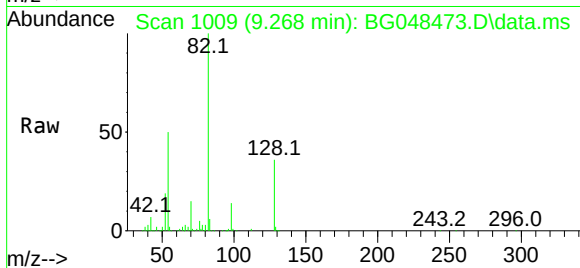




#23
Nitrobenzene-d5
Concen: 59.80 ng
RT: 9.268 min Scan# 1009
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

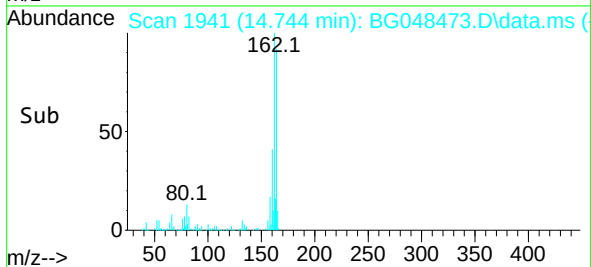
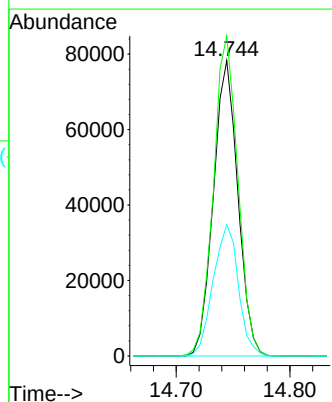
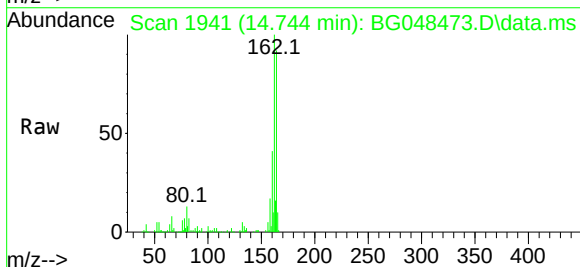
Instrument :
BNA_G
ClientSampleId :
COMP-1

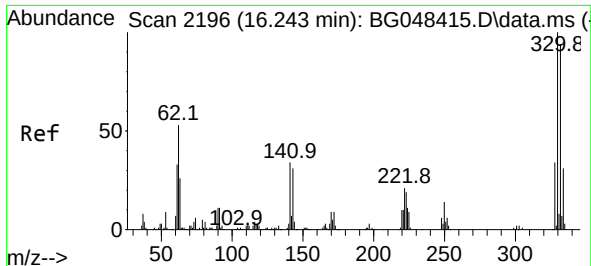
Tgt Ion: 82 Resp: 236553
Ion Ratio Lower Upper
82 100
128 35.8 37.0 55.6#
54 50.2 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.744 min Scan# 1941
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

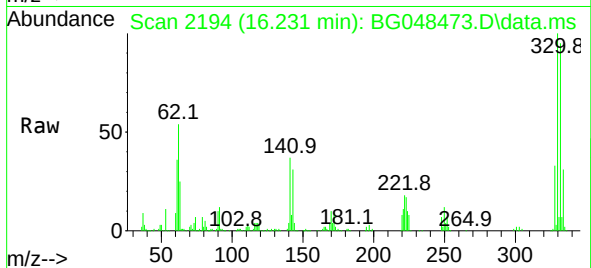
Tgt Ion: 164 Resp: 116820
Ion Ratio Lower Upper
164 100
162 108.4 82.3 123.5
160 44.5 35.3 52.9



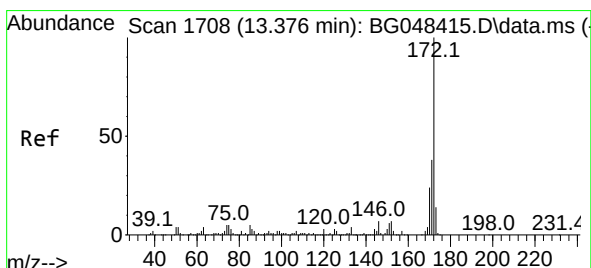
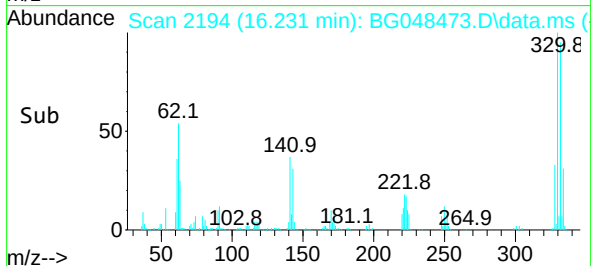
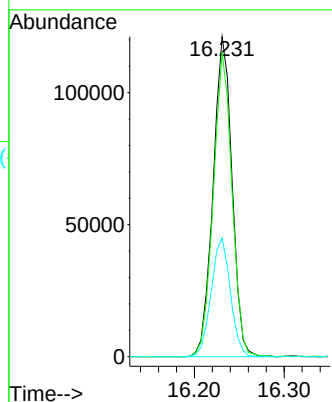


#42
2,4,6-Tribromophenol
Concen: 93.34 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Instrument :
BNA_G
ClientSampleId :
COMP-1

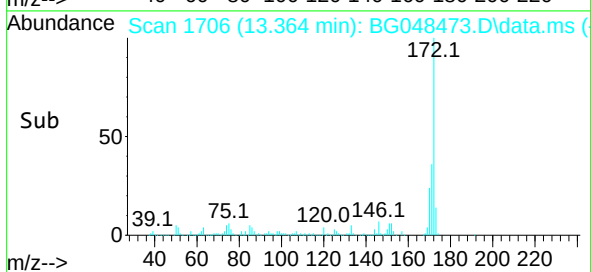
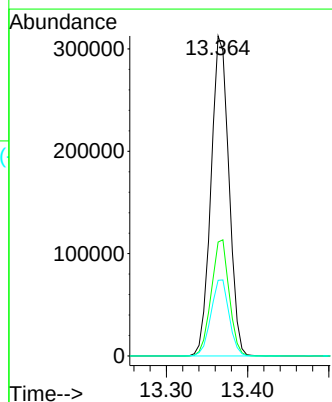
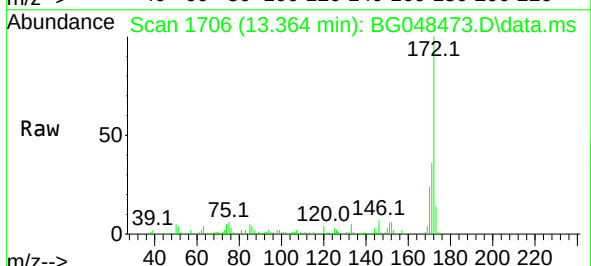


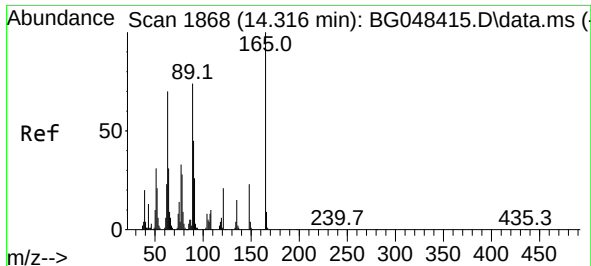
Tgt Ion:330 Resp: 177326
Ion Ratio Lower Upper
330 100
332 93.6 76.5 114.7
141 37.6 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 58.78 ng
RT: 13.364 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:172 Resp: 477359
Ion Ratio Lower Upper
172 100
171 35.6 31.3 46.9
170 23.6 20.8 31.2

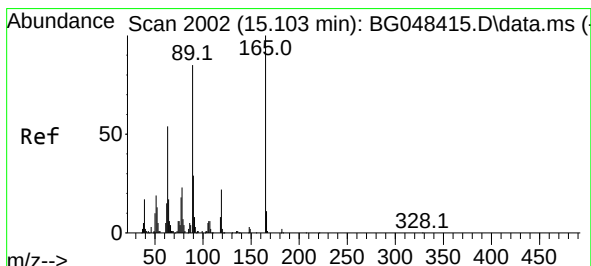
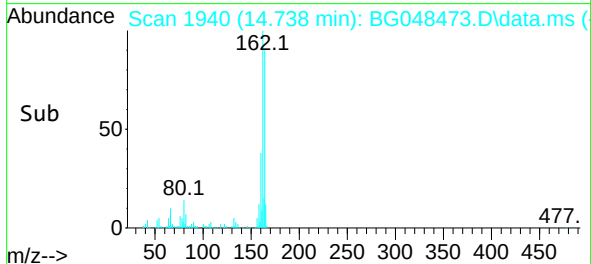
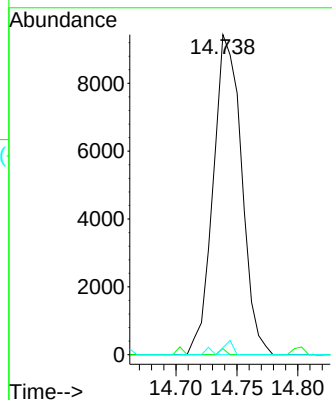
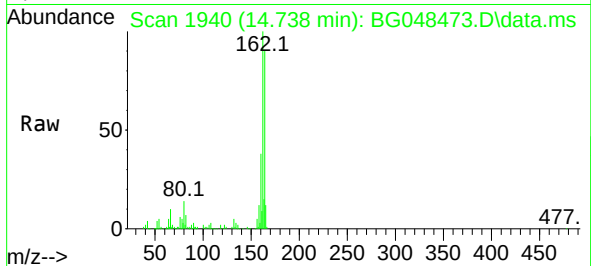




#51
2,6-Dinitrotoluene
Concen: 7.46 ng
RT: 14.738 min Scan# 1940
Delta R.T. 0.425 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

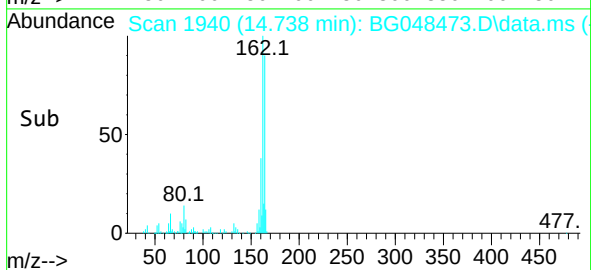
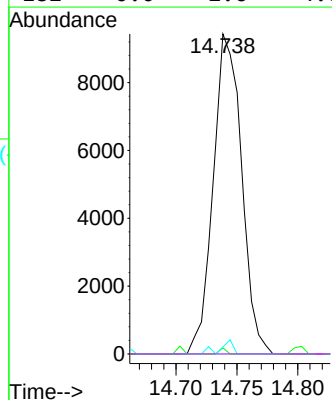
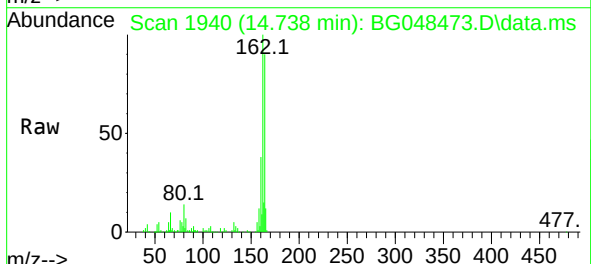
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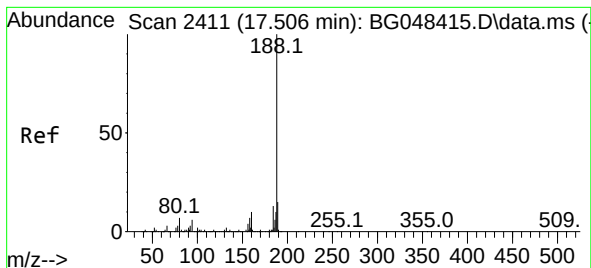
Tgt Ion:165 Resp: 15261
Ion Ratio Lower Upper
165 100
63 1.9 33.7 50.5#
89 2.2 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 5.25 ng
RT: 14.738 min Scan# 1940
Delta R.T. -0.362 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:165 Resp: 15261
Ion Ratio Lower Upper
165 100
63 1.9 26.4 39.6#
89 2.2 47.8 71.8#
182 0.0 2.6 4.0#

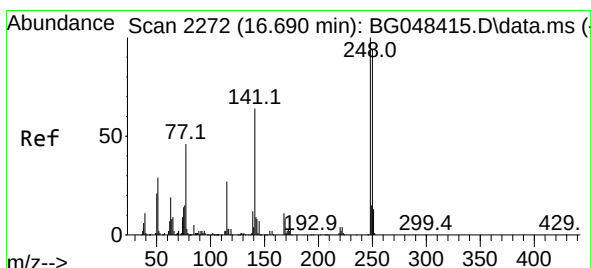
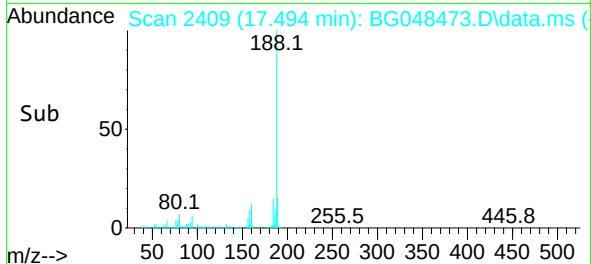
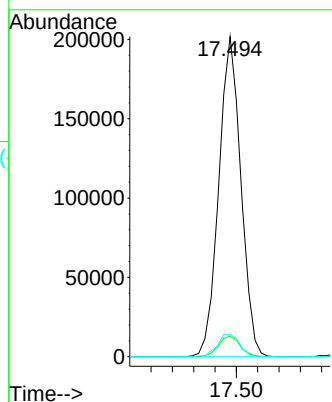
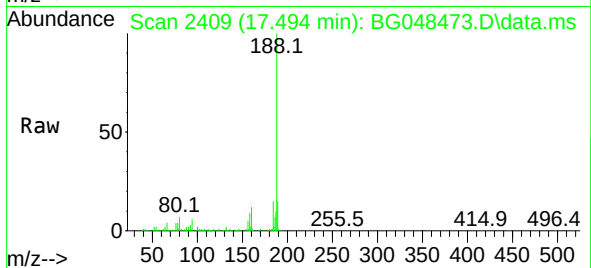




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.494 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

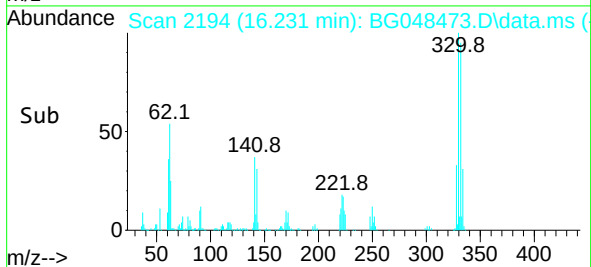
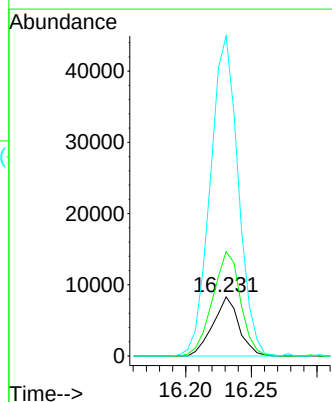
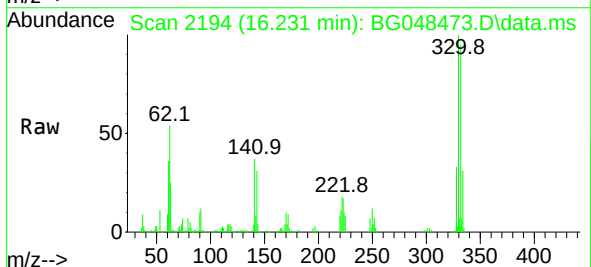
Instrument :
BNA_G
ClientSampleId :
COMP-1

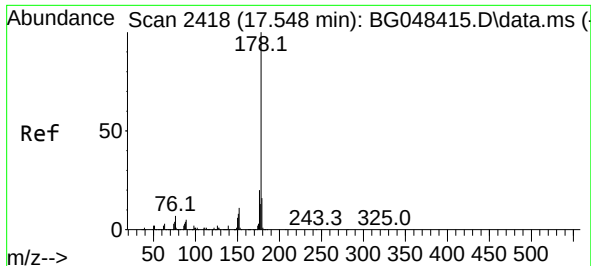
Tgt Ion:188 Resp: 289755
Ion Ratio Lower Upper
188 100
94 6.3 6.3 9.5
80 7.0 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.450 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:248 Resp: 11449
Ion Ratio Lower Upper
248 100
250 176.4 78.9 118.3#
141 541.5 46.2 69.4#

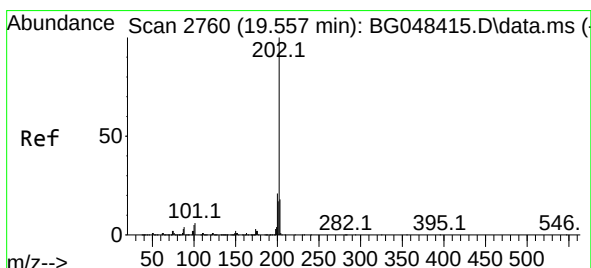
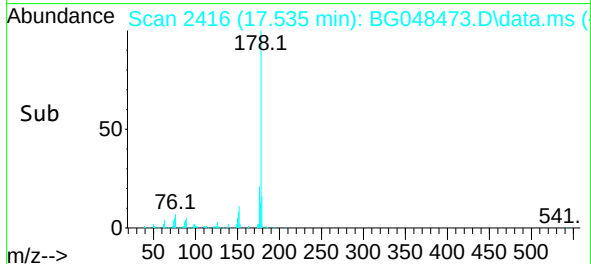
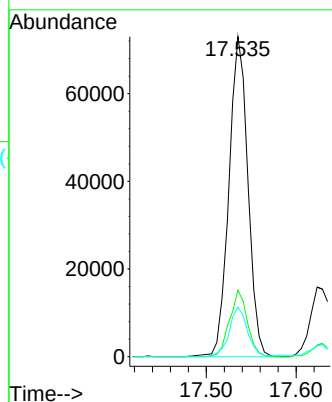
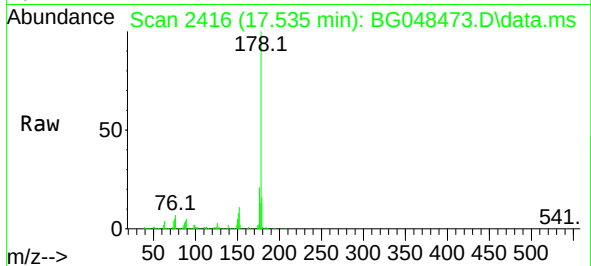




#71
Phenanthrene
Concen: 6.98 ng
RT: 17.535 min Scan# 2416
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

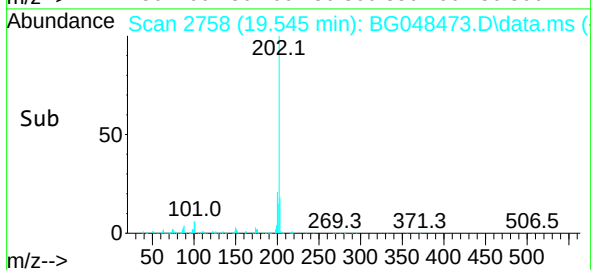
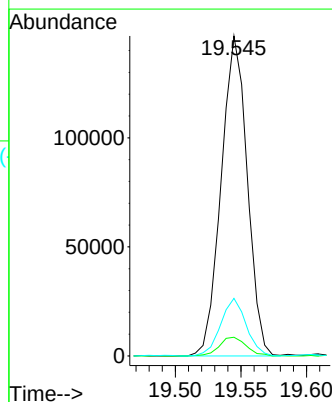
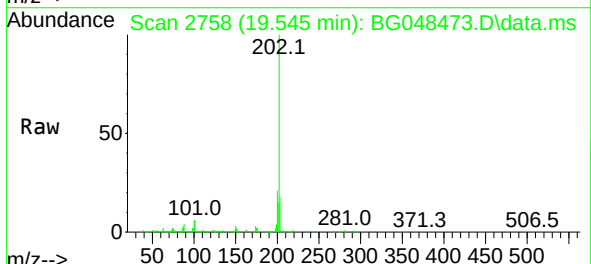
Instrument :
BNA_G
ClientSampleId :
COMP-1

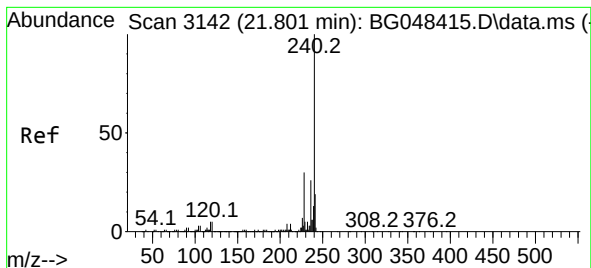
Tgt Ion:178 Resp: 106884
Ion Ratio Lower Upper
178 100
176 20.7 16.7 25.1
179 15.5 14.0 21.0



#75
Fluoranthene
Concen: 9.94 ng
RT: 19.545 min Scan# 2758
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:202 Resp: 202677
Ion Ratio Lower Upper
202 100
101 5.9 0.0 29.7
203 18.0 0.0 39.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.783 min Scan# 3139

Delta R.T. -0.009 min

Lab File: BG048473.D

Acq: 23 Mar 2021 17:09

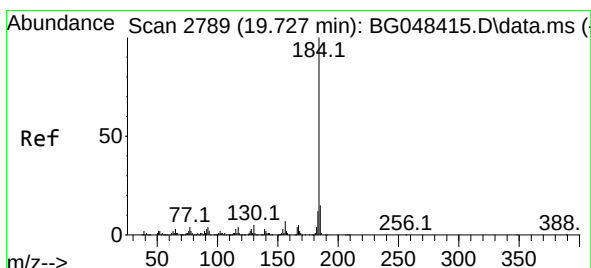
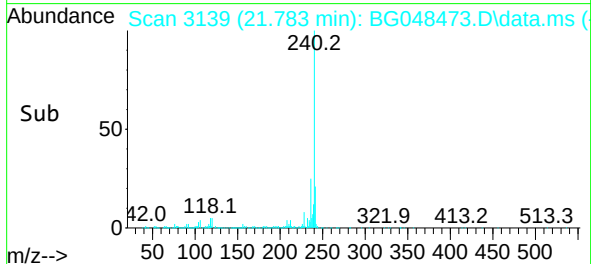
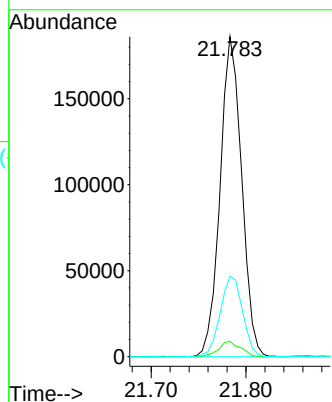
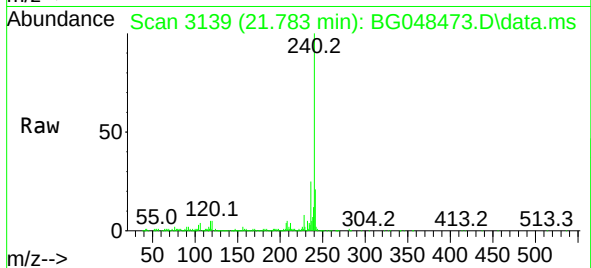
Tgt Ion:240 Resp: 294151

Ion Ratio Lower Upper

240 100

120 4.8 6.2 9.4#

236 25.1 20.5 30.7



#77

Benzidine

Concen: 2.14 ng

RT: 20.103 min Scan# 2853

Delta R.T. 0.378 min

Lab File: BG048473.D

Acq: 23 Mar 2021 17:09

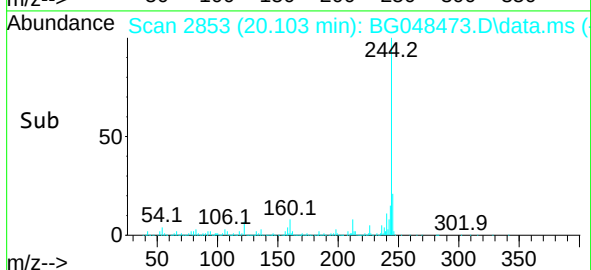
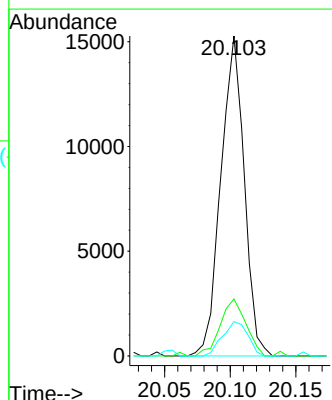
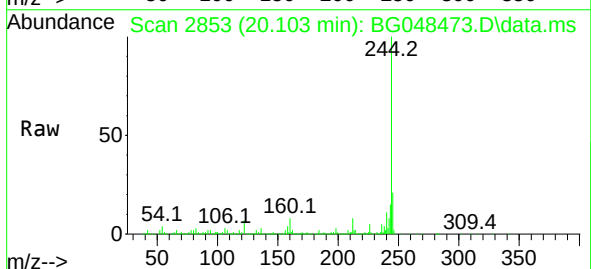
Tgt Ion:184 Resp: 18870

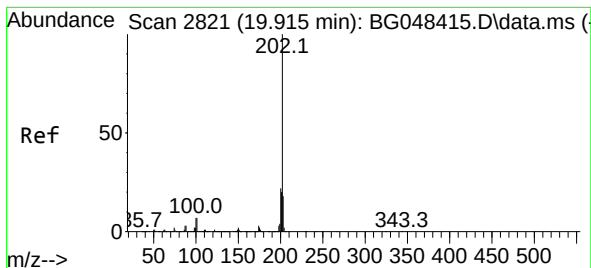
Ion Ratio Lower Upper

184 100

185 17.8 12.4 18.6

183 10.7 10.6 15.8





#78

Pyrene

Concen: 8.44 ng

RT: 19.909 min Scan# 2820

Delta R.T. -0.004 min

Lab File: BG048473.D

Acq: 23 Mar 2021 17:09

Tgt Ion:202 Resp: 170423

Ion Ratio Lower Upper

202 100

200 19.8 18.6 27.8

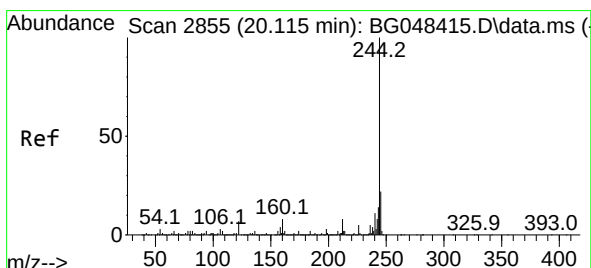
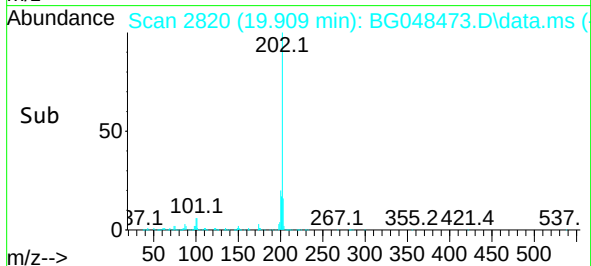
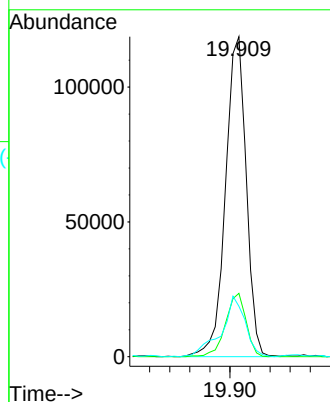
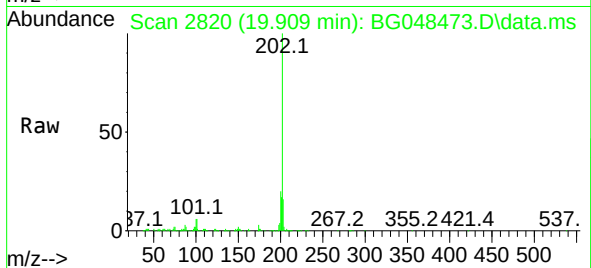
203 15.7 15.3 22.9

Instrument :

BNA_G

ClientSampleId :

COMP-1



#79

Terphenyl-d14

Concen: 57.47 ng

RT: 20.103 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG048473.D

Acq: 23 Mar 2021 17:09

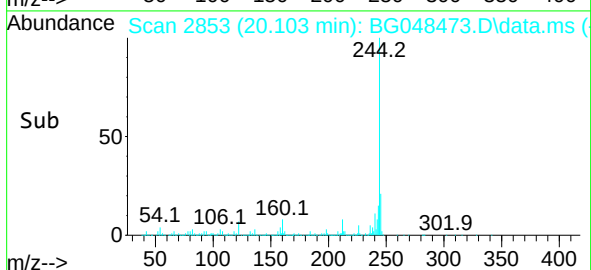
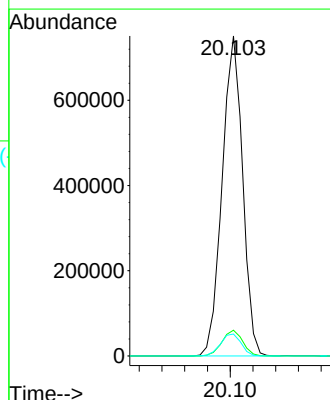
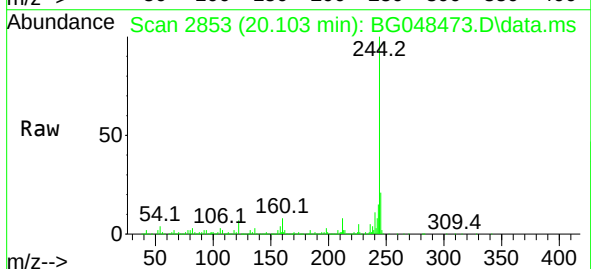
Tgt Ion:244 Resp: 937386

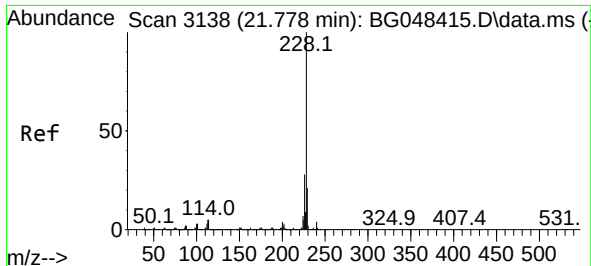
Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

122 6.9 7.8 11.6#

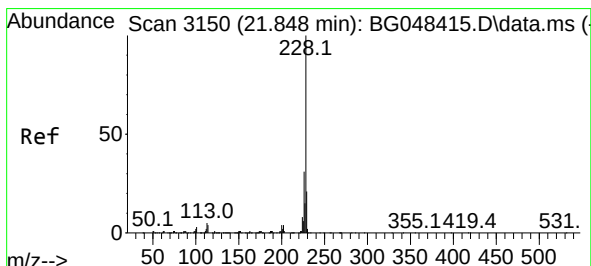
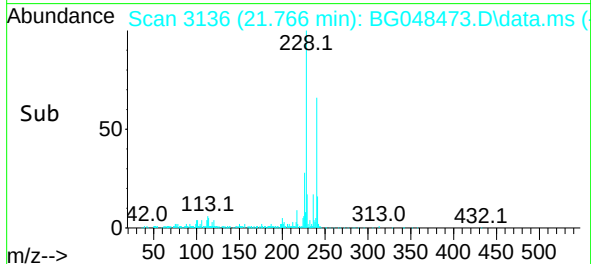
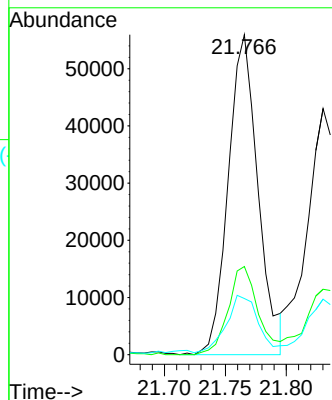
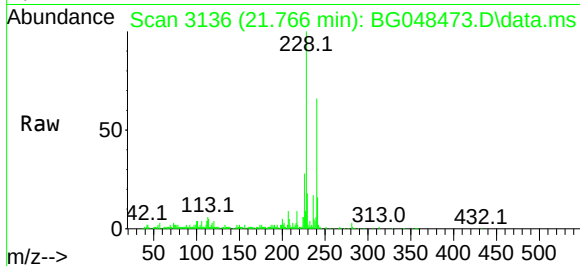




#81
Benzo(a)anthracene
Concen: 4.66 ng
RT: 21.766 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

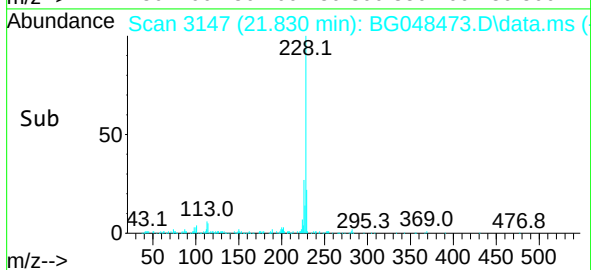
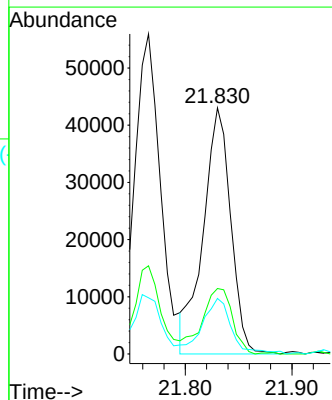
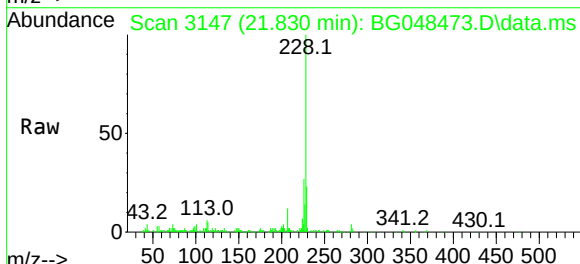
Instrument :
BNA_G
ClientSampleId :
COMP-1

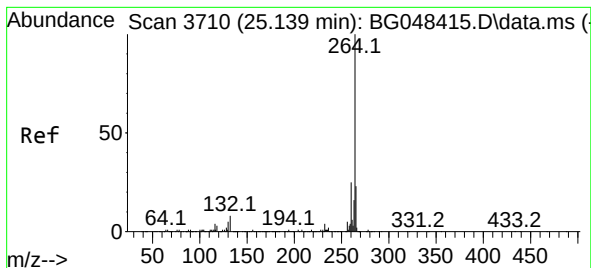
Tgt Ion:228 Resp: 95124
Ion Ratio Lower Upper
228 100
226 27.6 23.3 34.9
229 17.6 17.4 26.0



#83
Chrysene
Concen: 3.96 ng
RT: 21.830 min Scan# 3147
Delta R.T. -0.009 min
Lab File: BG048473.D
Acq: 23 Mar 2021 17:09

Tgt Ion:228 Resp: 77396
Ion Ratio Lower Upper
228 100
226 26.6 25.0 37.4
229 22.6 17.3 25.9

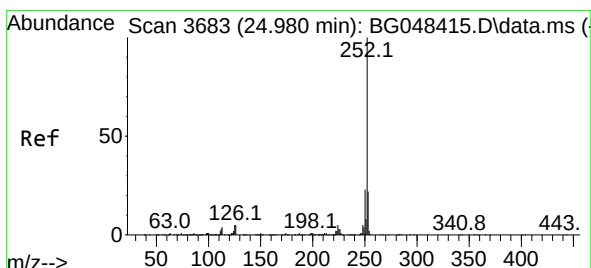
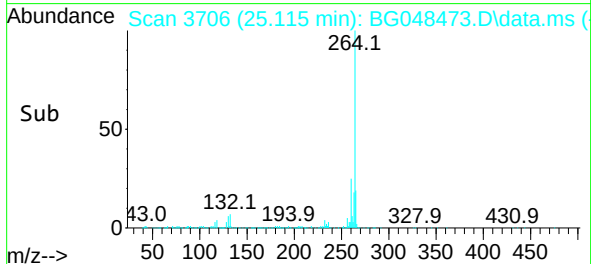
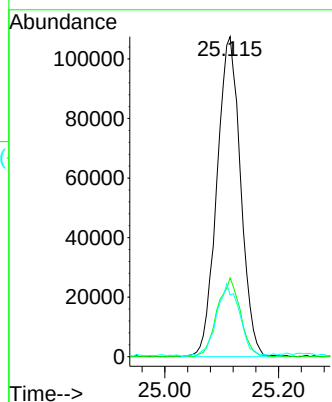
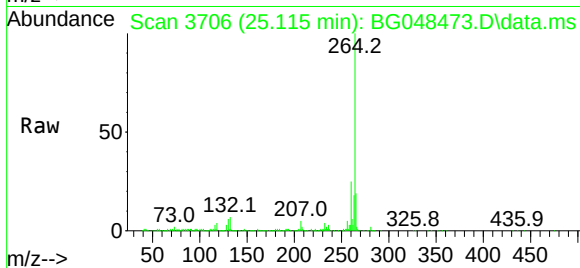




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.115 min Scan# 3706
 Delta R.T. -0.009 min
 Lab File: BG048473.D
 Acq: 23 Mar 2021 17:09

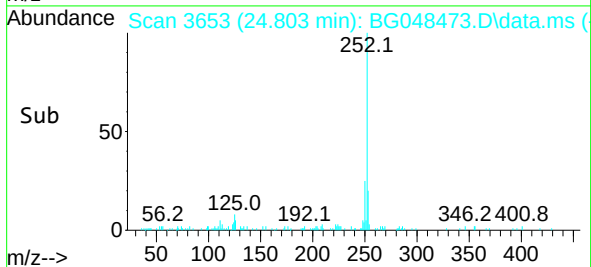
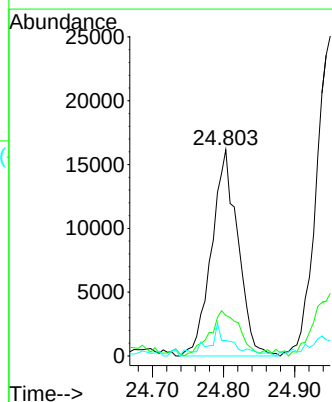
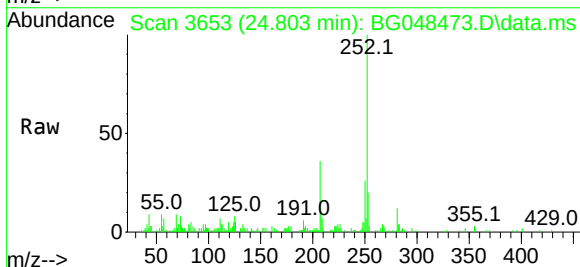
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

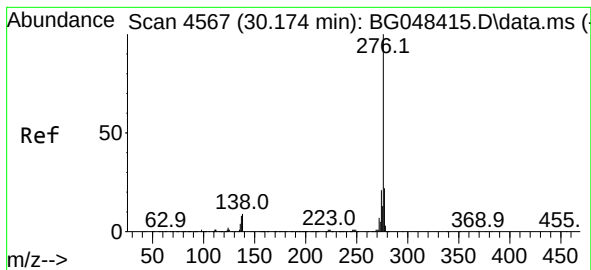
Tgt Ion:	264	Resp:	310644
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.8	28.2
265	19.3	17.8	26.8



#90
 Benzo(a)pyrene
 Concen: 2.08 ng
 RT: 24.803 min Scan# 3653
 Delta R.T. -0.168 min
 Lab File: BG048473.D
 Acq: 23 Mar 2021 17:09

Tgt Ion:	252	Resp:	41483
Ion Ratio	Lower	Upper	
252	100		
253	19.6	17.9	26.9
125	7.5	7.0	10.4





#92

Benzo(g,h,i)perylene

Concen: 2.06 ng

RT: 30.109 min Scan# 4556

Delta R.T. -0.039 min

Lab File: BG048473.D

Acq: 23 Mar 2021 17:09

Tgt Ion:276 Resp: 40373

Ion Ratio Lower Upper

276 100

277 19.4 19.6 29.4#

138 7.1 13.4 20.2#

Instrument :

BNA_G

ClientSampleId :

COMP-1

