

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048482.D
 Acq On : 23 Mar 2021 23:14
 Operator : CG/JU
 Sample : M1768-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

Quant Time: Mar 24 02:21:29 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)

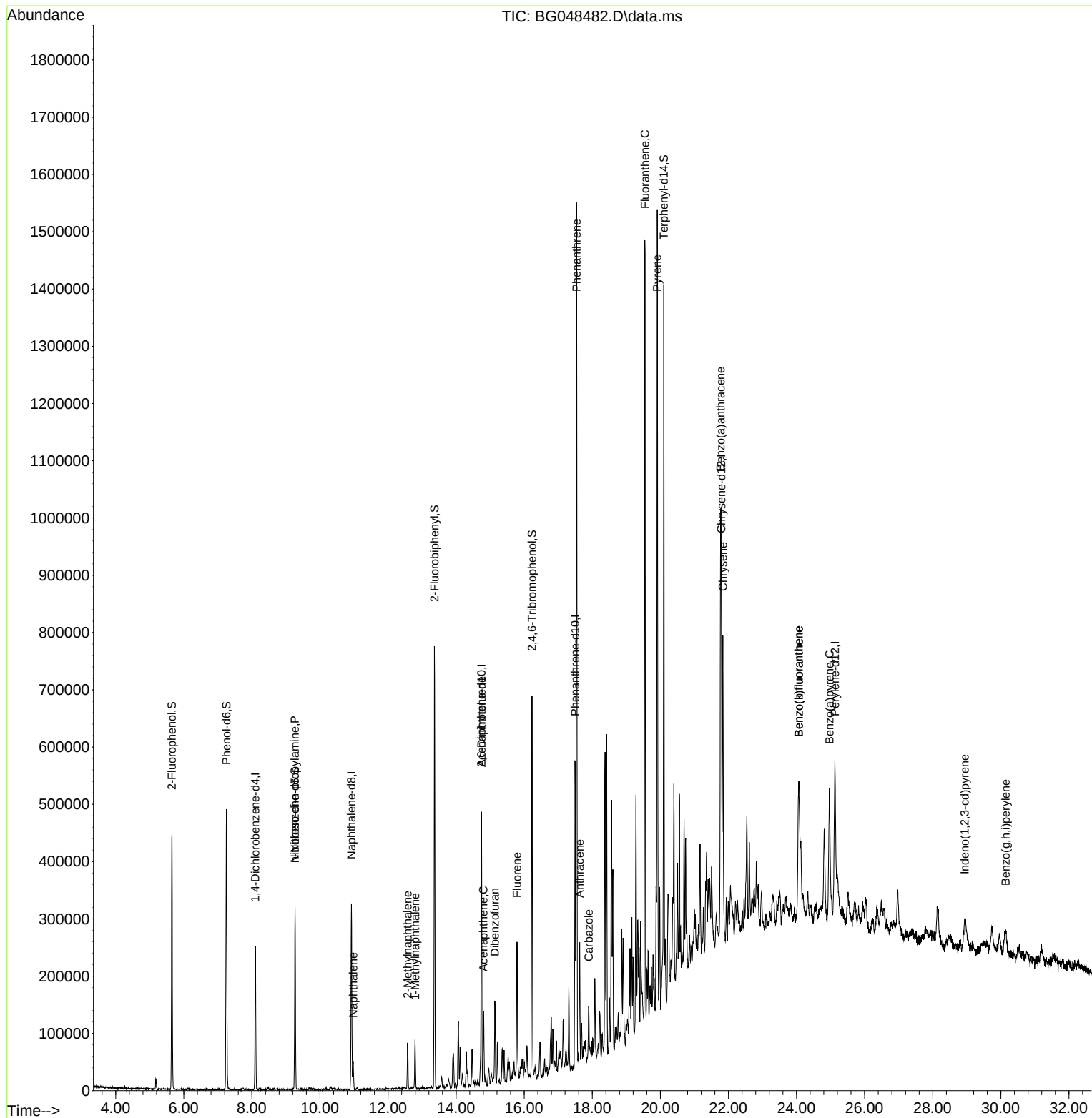
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	61673	20.00	ng	0.00
21) Naphthalene-d8	10.924	136	248986	20.00	ng	# 0.00
39) Acenaphthene-d10	14.743	164	161740	20.00	ng	0.00
64) Phenanthrene-d10	17.493	188	323548	20.00	ng	0.00
76) Chrysene-d12	21.788	240	308730	20.00	ng	# 0.00
86) Perylene-d12	25.125	264	324763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	181060	48.55	ng	0.00
7) Phenol-d6	7.252	99	250627	46.18	ng	0.00
23) Nitrobenzene-d5	9.267	82	186780	29.99	ng	0.00
42) 2,4,6-Tribromophenol	16.230	330	111609	42.43	ng	0.00
45) 2-Fluorobiphenyl	13.362	172	373993	33.26	ng	0.00
79) Terphenyl-d14	20.102	244	514176	30.04	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.228	77	397	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.267	70	28063	6.97 ng	#	79
31) Naphthalene	10.977	128	36348	2.63 ng		98
37) 2-Methylnaphthalene	12.575	142	35199	3.34 ng	#	88
38) 1-Methylnaphthalene	12.798	142	37556	3.79 ng	#	97
51) 2,6-Dinitrotoluene	14.743	165	24313	8.58 ng	#	36
52) Acenaphthene	14.802	154	44882	4.41 ng		93
55) Dibenzofuran	15.137	168	50963	3.36 ng	#	90
58) Fluorene	15.789	166	100099	7.86 ng		95
71) Phenanthrene	17.540	178	913275	53.44 ng		98
72) Anthracene	17.628	178	136756	8.06 ng		97
73) Carbazole	17.892	167	55202	3.41 ng		98
75) Fluoranthene	19.549	202	818316	35.96 ng		96
78) Pyrene	19.908	202	874893	41.26 ng		97
81) Benzo(a)anthracene	21.770	228	390626	18.24 ng		99
83) Chrysene	21.835	228	380595	18.54 ng		98
87) Indeno(1,2,3-cd)pyrene	28.938	276	108856	4.40 ng	#	66
88) Benzo(b)fluoranthene	24.068	252	338696	14.80 ng	#	97
89) Benzo(k)fluoranthene	24.068	252	338696	15.69 ng	#	97
90) Benzo(a)pyrene	24.967	252	286403	13.72 ng	#	95
92) Benzo(g,h,i)perylene	30.143	276	110053	5.37 ng	#	93

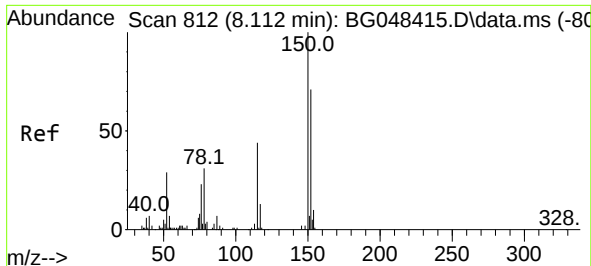
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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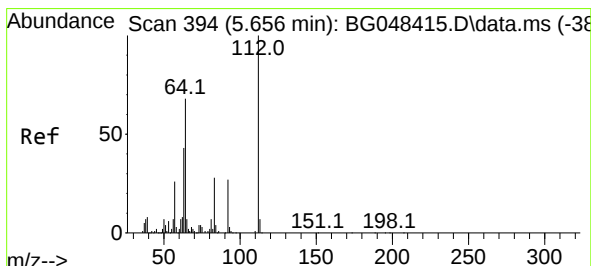
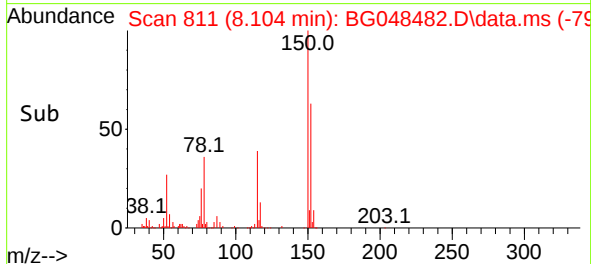
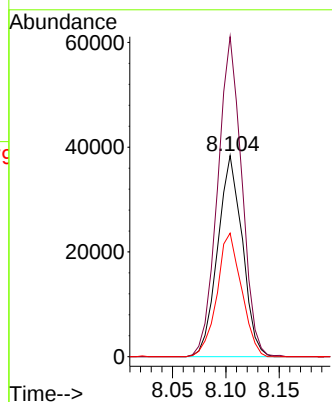
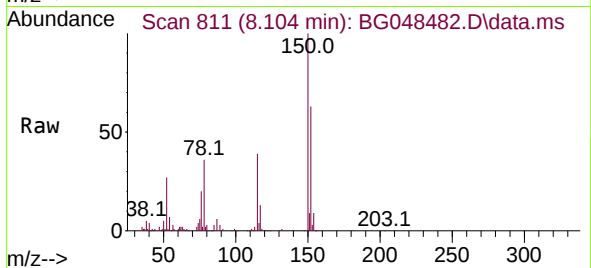




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.104 min Scan# 811
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

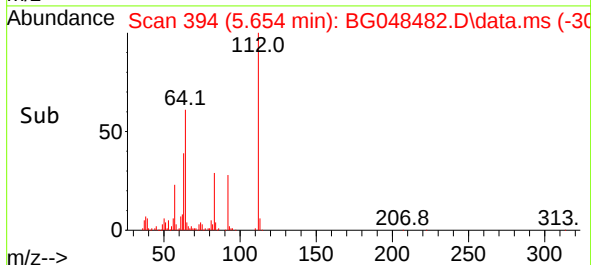
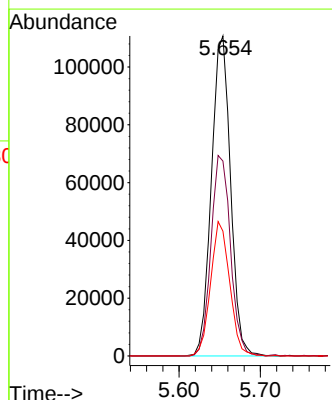
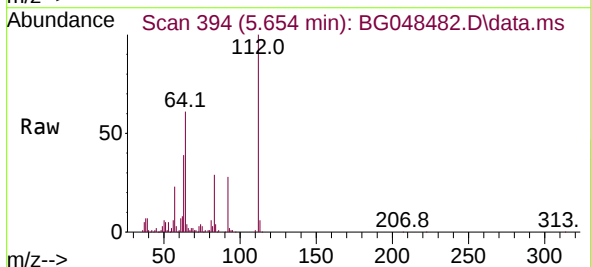
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

Tgt Ion:152 Resp: 61673
Ion Ratio Lower Upper
152 100
150 159.1 125.0 187.6
115 61.5 41.8 62.6



#5
2-Fluorophenol
Concen: 48.55 ng
RT: 5.654 min Scan# 394
Delta R.T. 0.007 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:112 Resp: 181060
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 39.0 22.8 34.2#

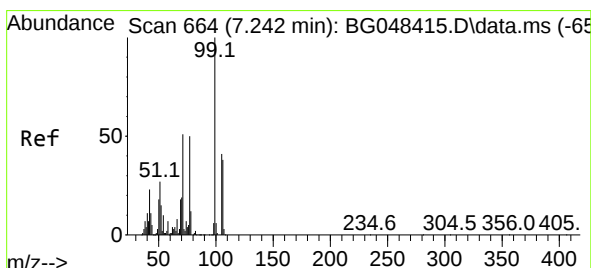
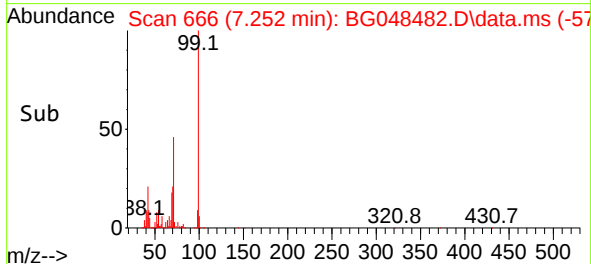
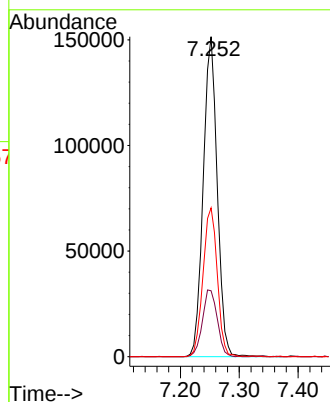
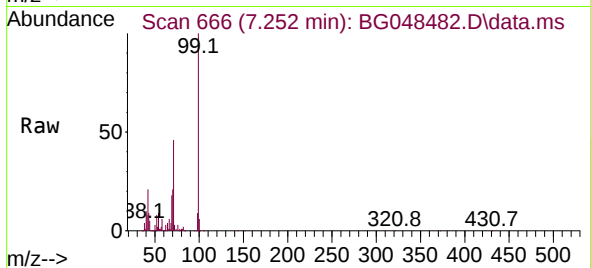




#7
Phenol-d6
Concen: 46.18 ng
RT: 7.252 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

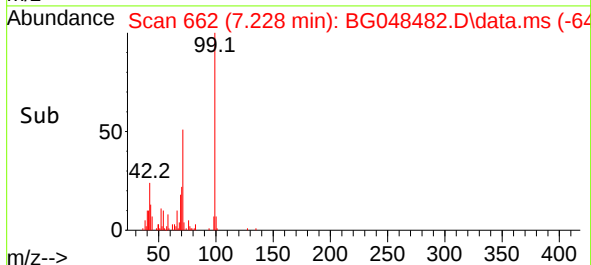
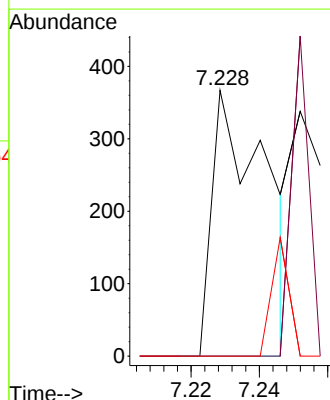
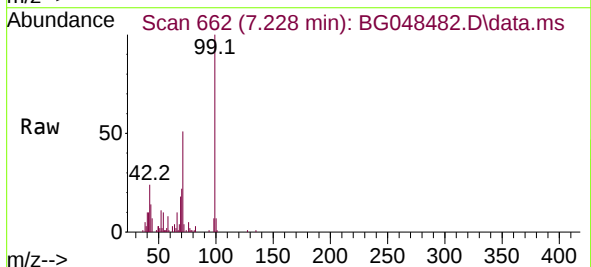
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

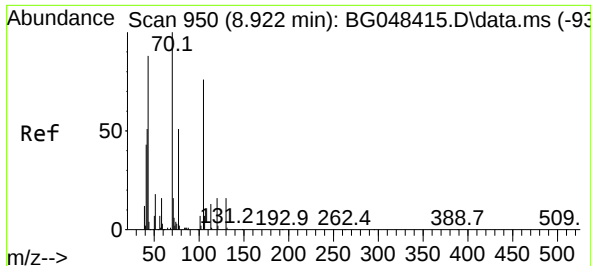
Tgt Ion: 99 Resp: 250627
Ion Ratio Lower Upper
99 100
42 20.6 12.8 19.2#
71 46.5 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.228 min Scan# 662
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion: 77 Resp: 397
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#

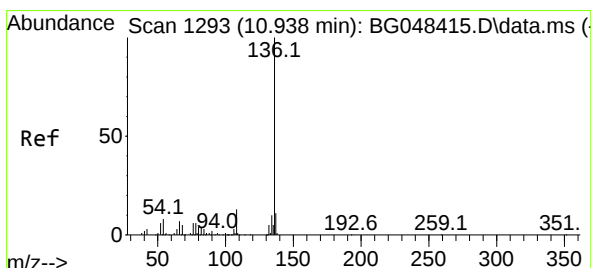
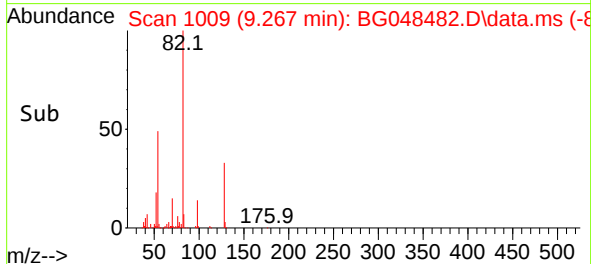
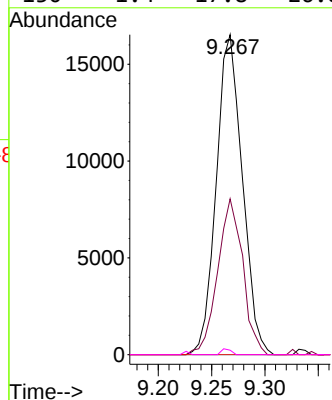
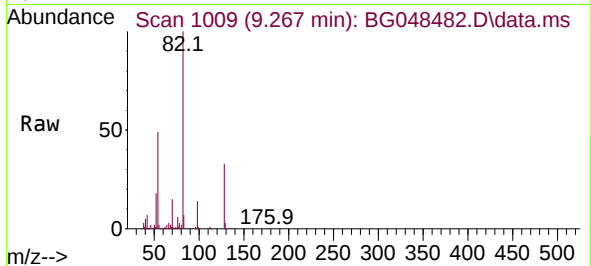




#19
n-Nitroso-di-n-propylamine
Concen: 6.97 ng
RT: 9.267 min Scan# 1009
Delta R.T. 0.354 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

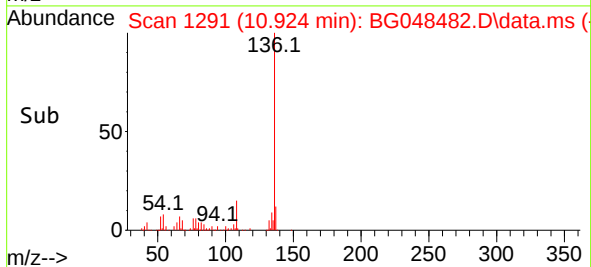
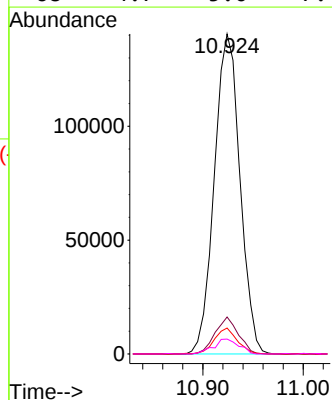
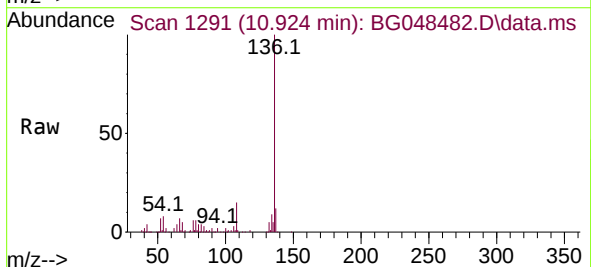
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

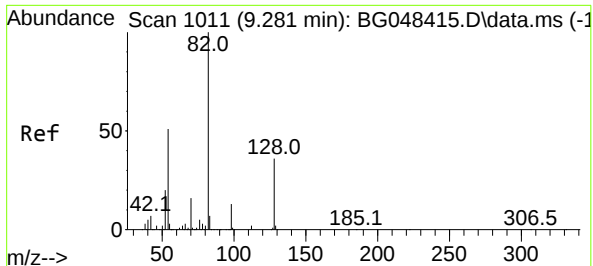
Tgt Ion: 70	Resp: 28063
Ion Ratio	Lower Upper
70 100	
42 48.7	45.6 68.4
101 0.0	8.4 12.6#
130 1.4	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.924 min Scan# 1291
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion: 136	Resp: 248986
Ion Ratio	Lower Upper
136 100	
137 11.5	9.1 13.7
54 8.1	6.2 9.4
68 4.7	5.0 7.4#





#23

Nitrobenzene-d5

Concen: 29.99 ng

RT: 9.267 min Scan# 1009

Delta R.T. -0.005 min

Lab File: BG048482.D

Acq: 23 Mar 2021 23:14

Tgt Ion: 82 Resp: 186780

Ion Ratio Lower Upper

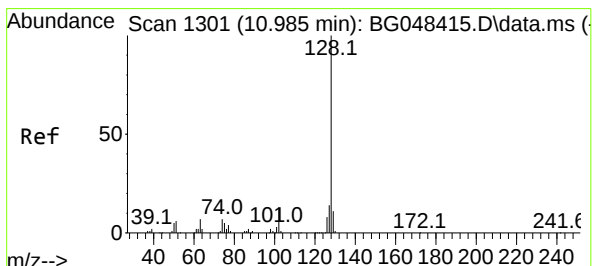
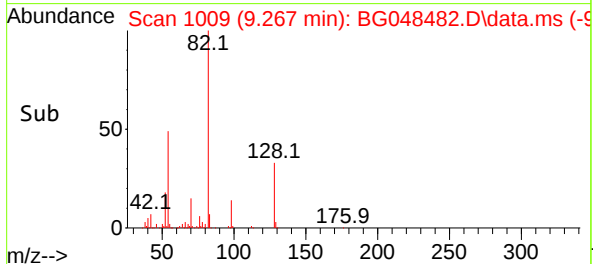
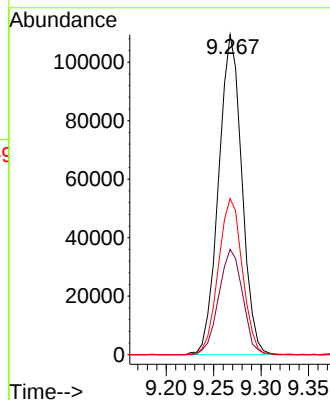
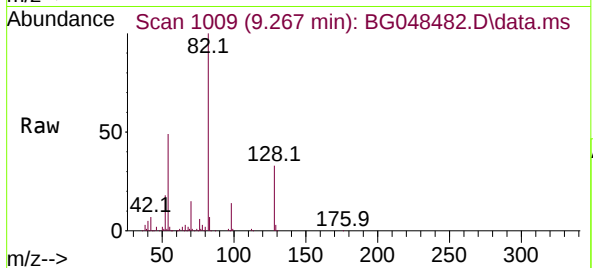
Ion	Ratio	Lower	Upper
82	100		
128	33.0	37.0	55.6#
54	48.8	39.0	58.4

Instrument :

BNA_G

ClientSampleId :

OK-03-032221



#31

Naphthalene

Concen: 2.63 ng

RT: 10.977 min Scan# 1300

Delta R.T. 0.001 min

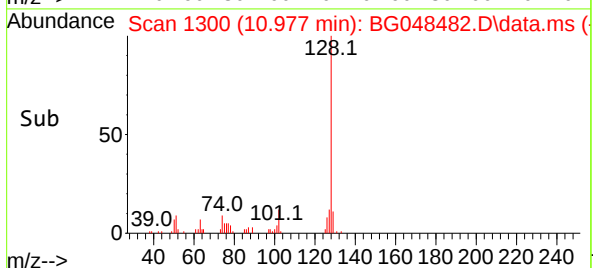
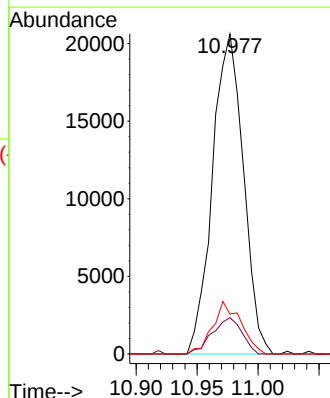
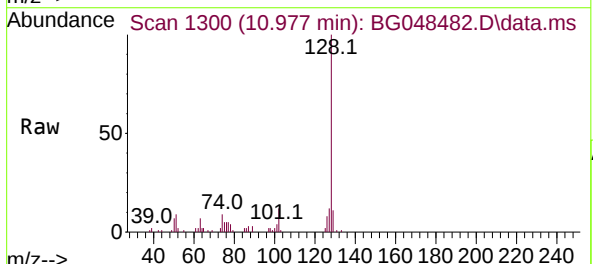
Lab File: BG048482.D

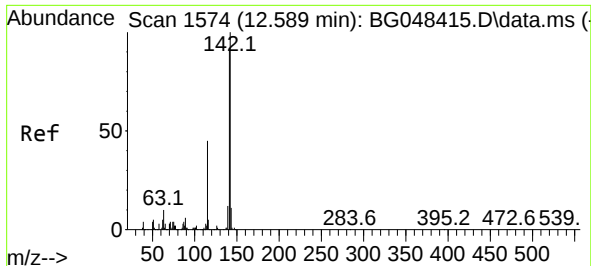
Acq: 23 Mar 2021 23:14

Tgt Ion: 128 Resp: 36348

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	12.4	11.0	16.4

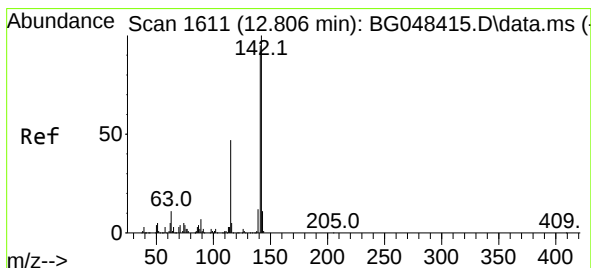
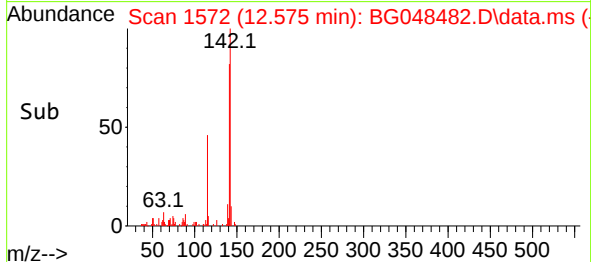
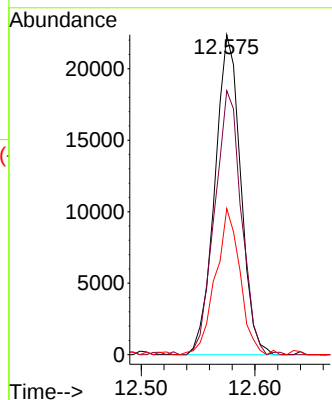
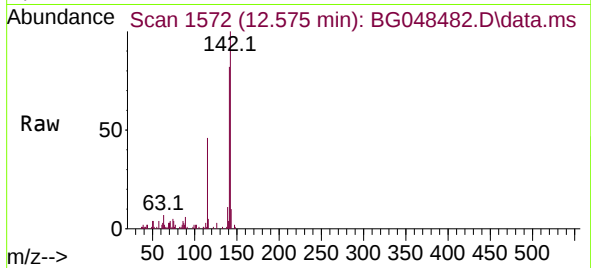




#37
2-Methylnaphthalene
Concen: 3.34 ng
RT: 12.575 min Scan# 1572
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

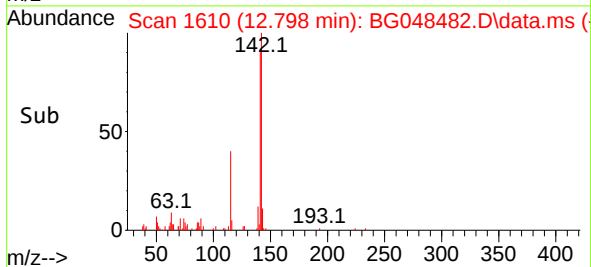
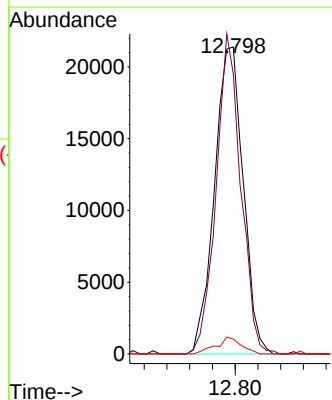
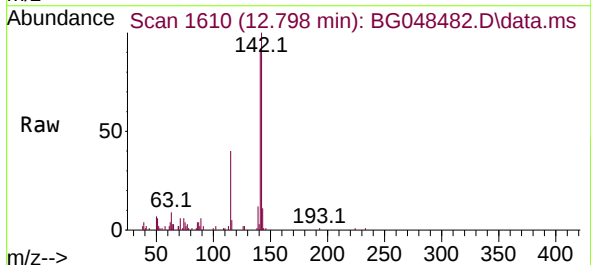
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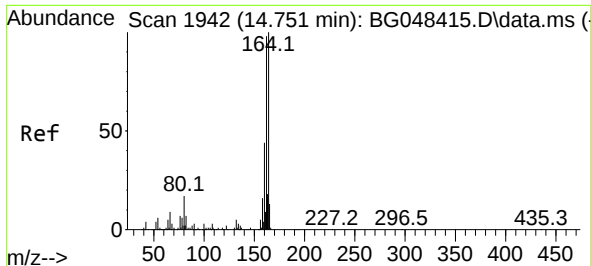
Tgt Ion:142 Resp: 35199
Ion Ratio Lower Upper
142 100
141 82.5 71.6 107.4
115 45.7 25.4 38.2#



#38
1-Methylnaphthalene
Concen: 3.79 ng
RT: 12.798 min Scan# 1610
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:142 Resp: 37556
Ion Ratio Lower Upper
142 100
141 91.2 75.4 113.2
116 4.8 2.9 4.3#

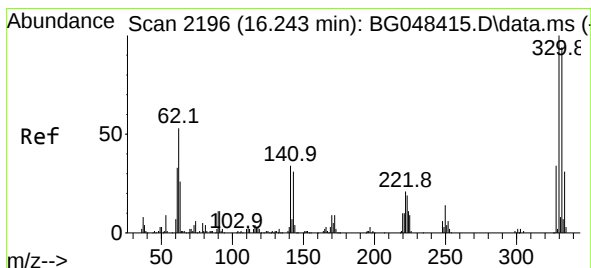
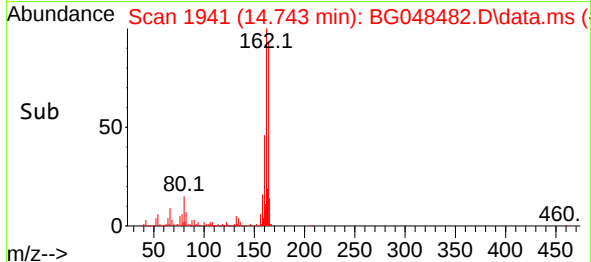
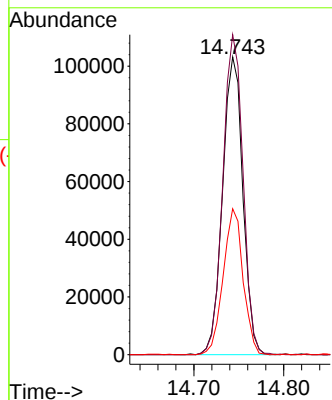
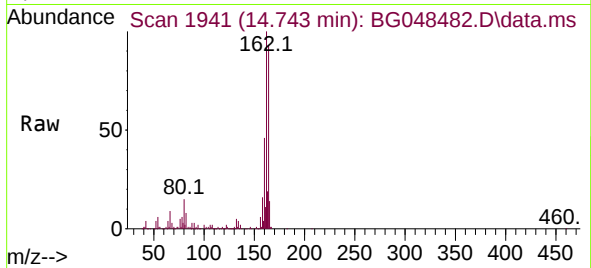




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

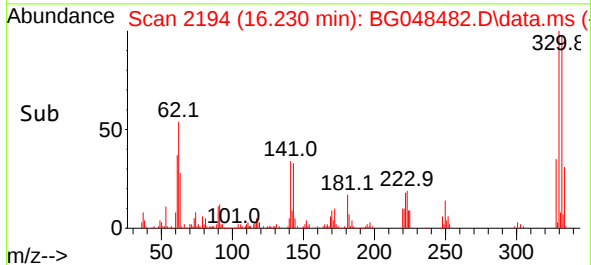
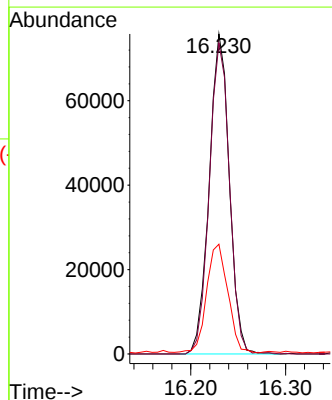
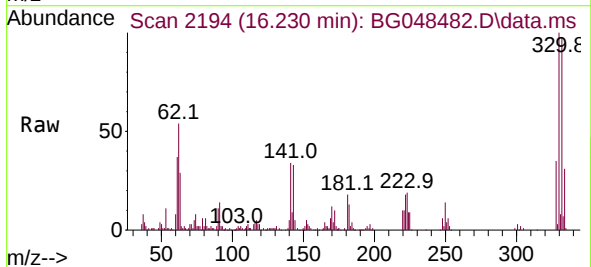
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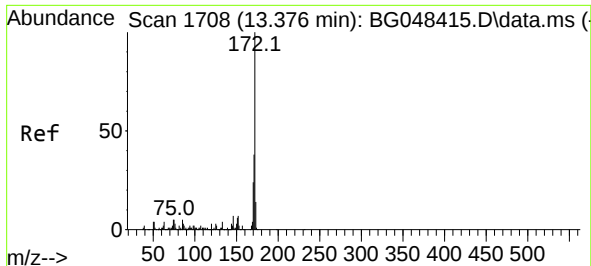
Tgt Ion:164 Resp: 161740
Ion Ratio Lower Upper
164 100
162 107.5 82.3 123.5
160 49.0 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 42.43 ng
RT: 16.230 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:330 Resp: 111609
Ion Ratio Lower Upper
330 100
332 97.5 76.5 114.7
141 36.0 26.0 39.0

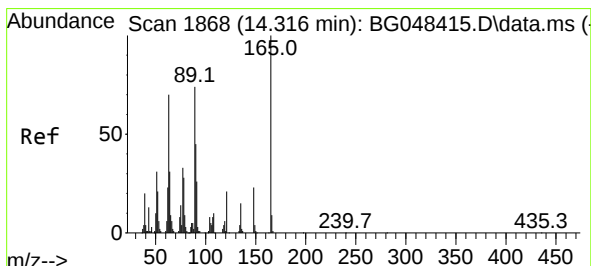
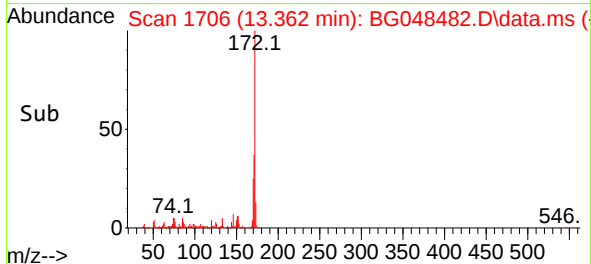
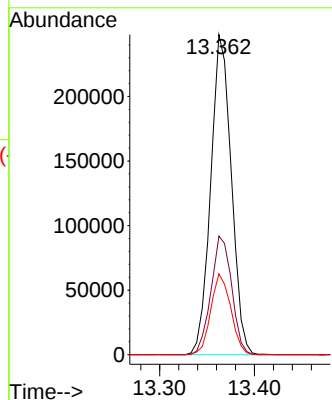
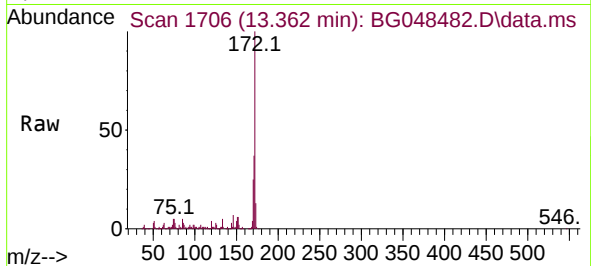




#45
2-Fluorobiphenyl
Concen: 33.26 ng
RT: 13.362 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

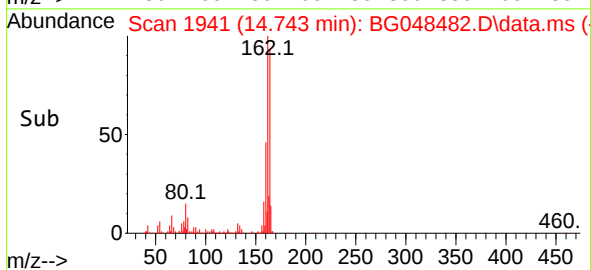
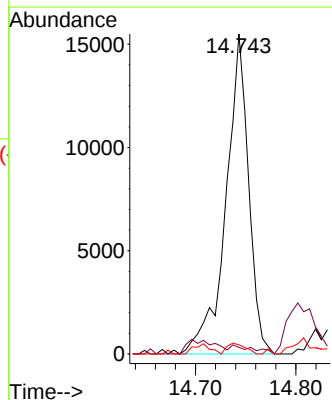
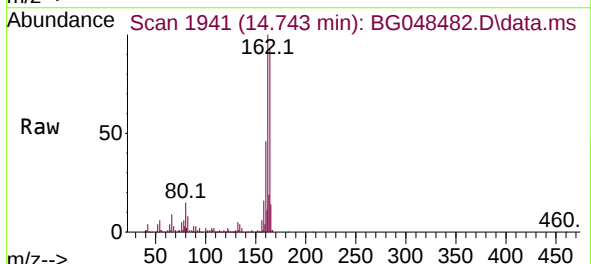
Instrument :
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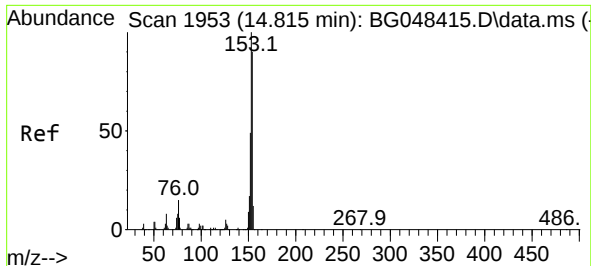
Tgt Ion:172	Resp:	373993
Ion Ratio	Lower	Upper
172	100	
171	37.0	31.3 46.9
170	25.3	20.8 31.2



#51
2,6-Dinitrotoluene
Concen: 8.58 ng
RT: 14.743 min Scan# 1941
Delta R.T. 0.430 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:165	Resp:	24313
Ion Ratio	Lower	Upper
165	100	
63	2.1	33.7 50.5#
89	2.9	36.6 54.8#

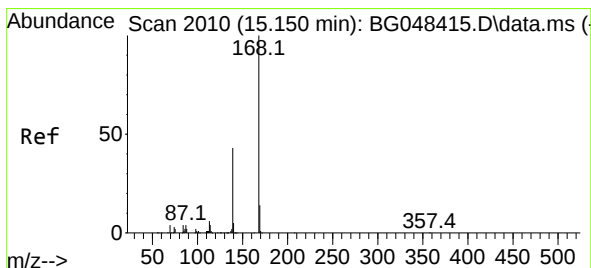
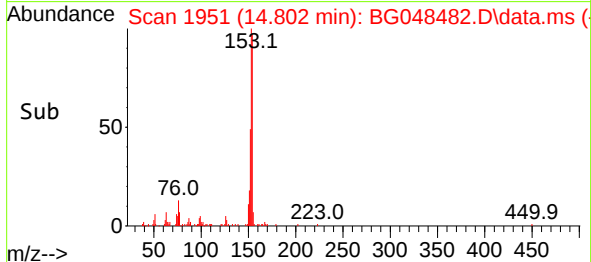
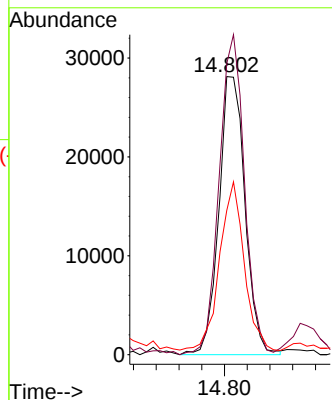
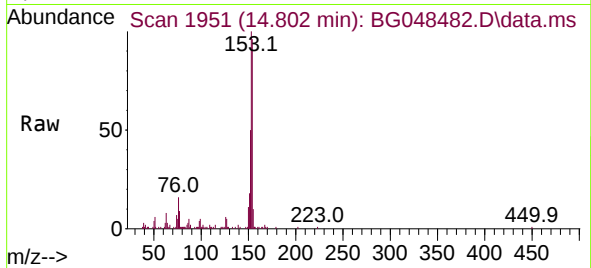




#52
Acenaphthene
Concen: 4.41 ng
RT: 14.802 min Scan# 1951
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

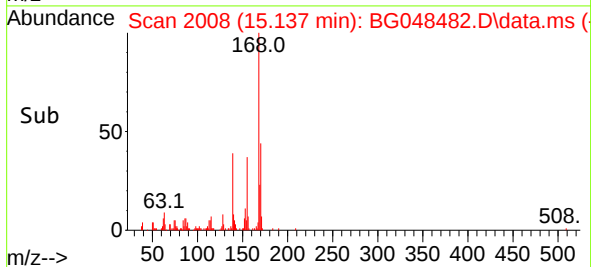
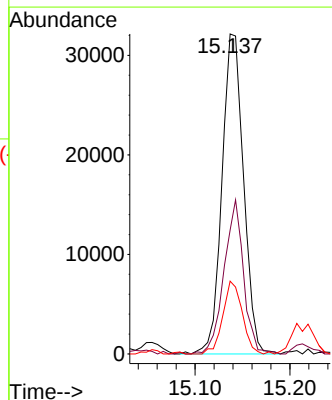
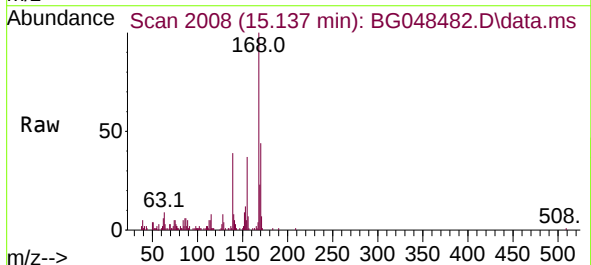
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

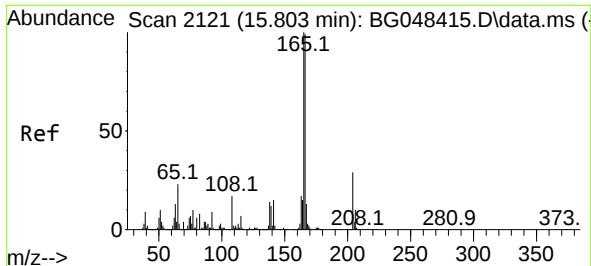
Tgt Ion:154 Resp: 44882
Ion Ratio Lower Upper
154 100
153 104.6 90.3 135.5
152 51.8 43.8 65.8



#55
Dibenzofuran
Concen: 3.36 ng
RT: 15.137 min Scan# 2008
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:168 Resp: 50963
Ion Ratio Lower Upper
168 100
139 38.7 28.6 43.0
169 22.7 11.0 16.6#

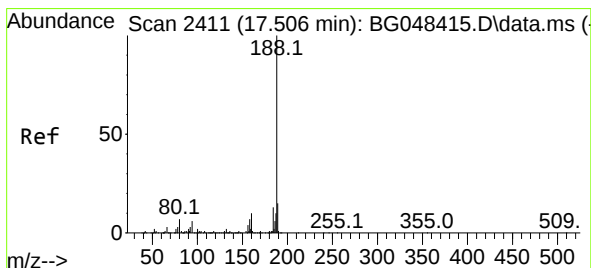
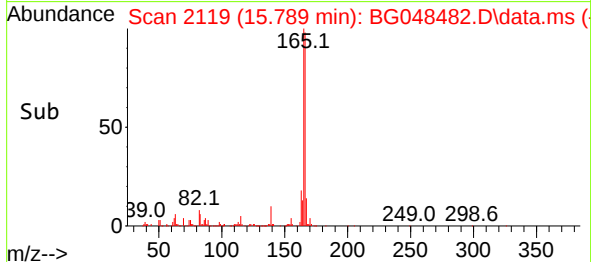
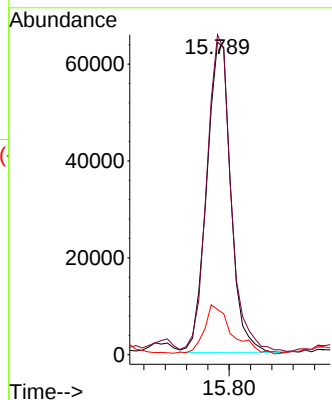
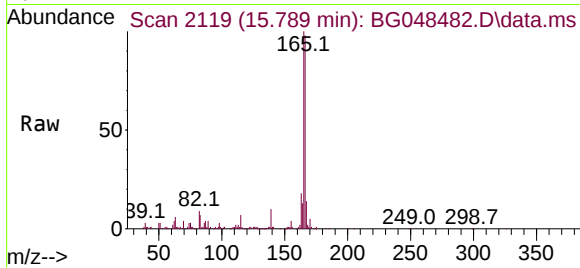




#58
Fluorene
Concen: 7.86 ng
RT: 15.789 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

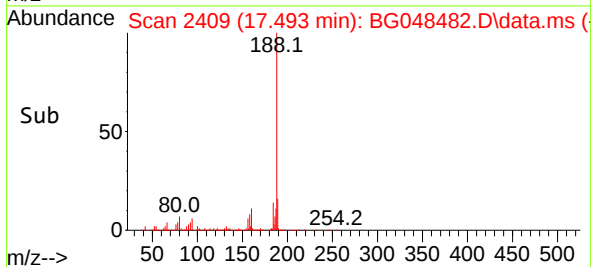
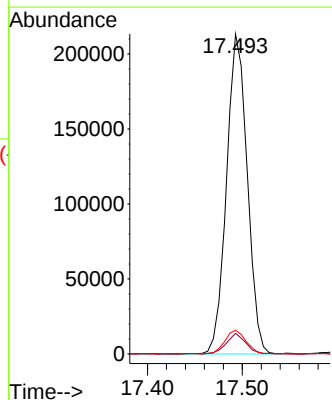
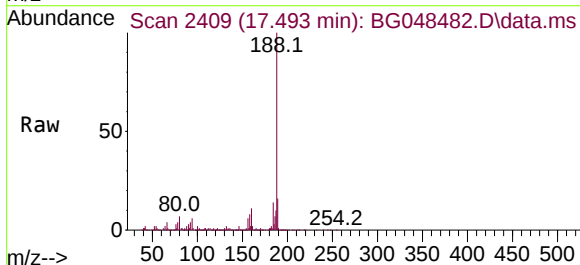
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

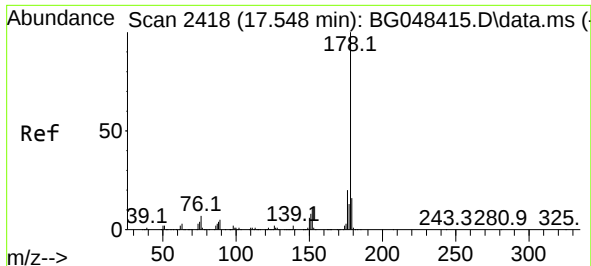
Tgt Ion:166 Resp: 100099
Ion Ratio Lower Upper
166 100
165 102.4 77.2 115.8
167 14.4 11.4 17.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.493 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:188 Resp: 323548
Ion Ratio Lower Upper
188 100
94 6.5 6.3 9.5
80 7.4 7.0 10.6

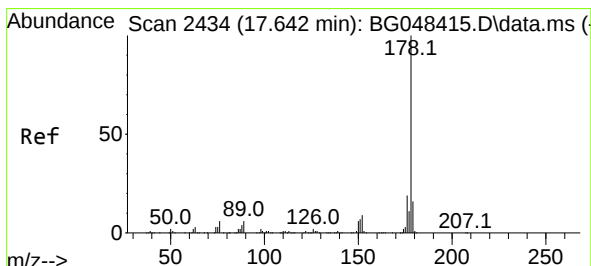
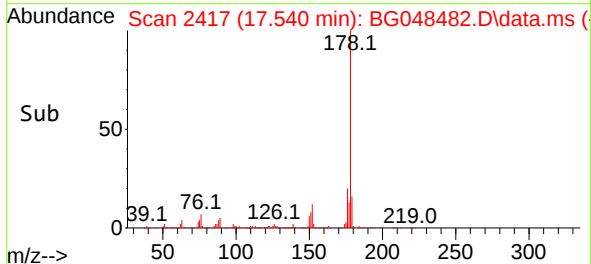
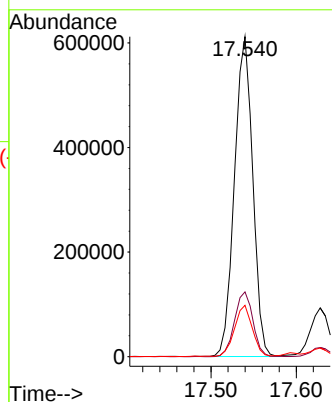
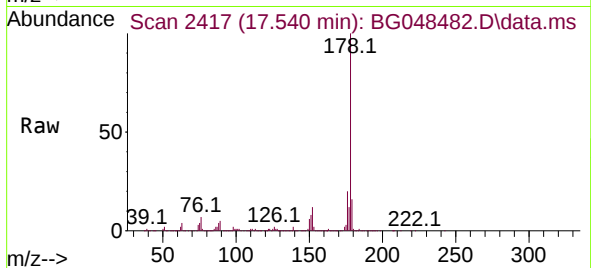




#71
Phenanthrene
Concen: 53.44 ng
RT: 17.540 min Scan# 2417
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

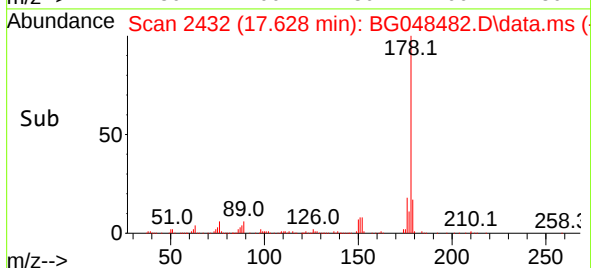
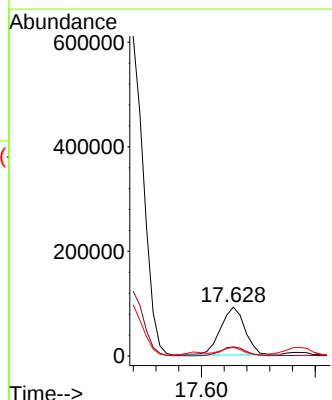
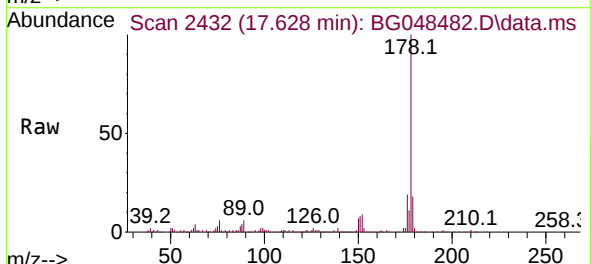
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

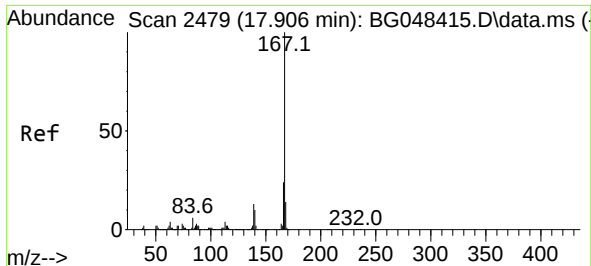
Tgt Ion:178 Resp: 913275
Ion Ratio Lower Upper
178 100
176 20.2 16.7 25.1
179 16.1 14.0 21.0



#72
Anthracene
Concen: 8.06 ng
RT: 17.628 min Scan# 2432
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:178 Resp: 136756
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 17.7 13.8 20.6

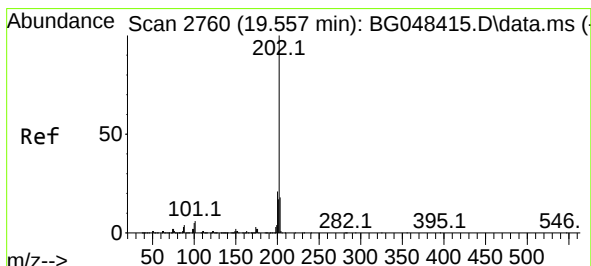
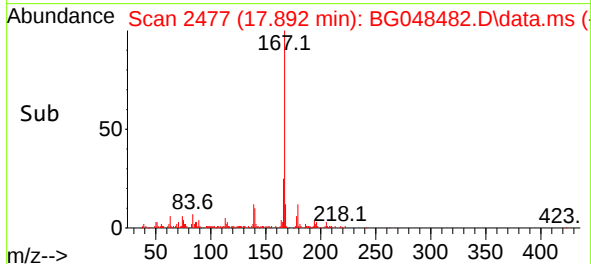
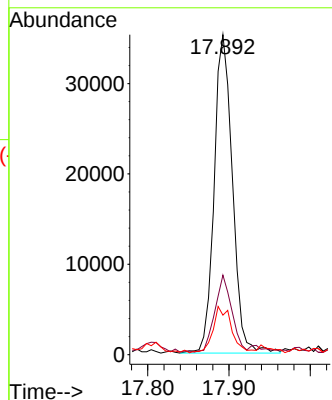
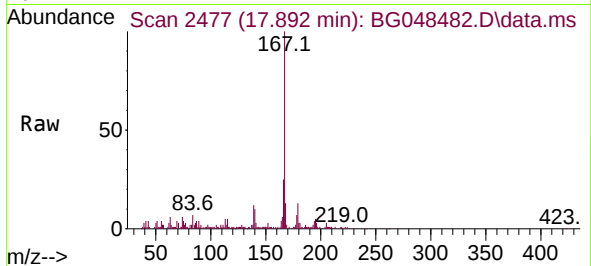




#73
 Carbazole
 Concen: 3.41 ng
 RT: 17.892 min Scan# 2477
 Delta R.T. -0.005 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

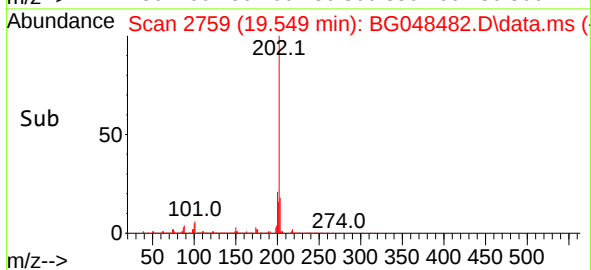
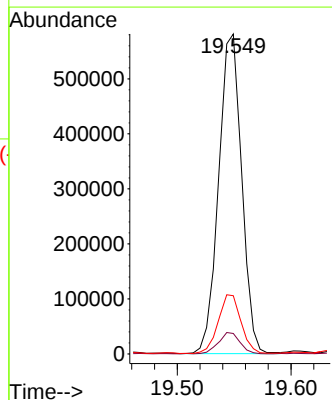
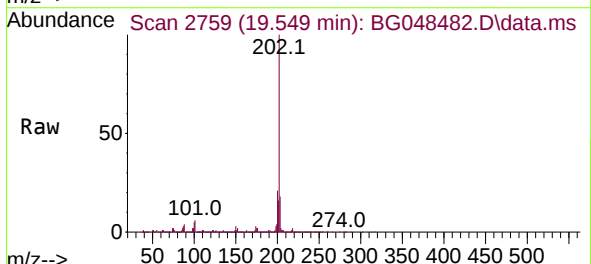
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

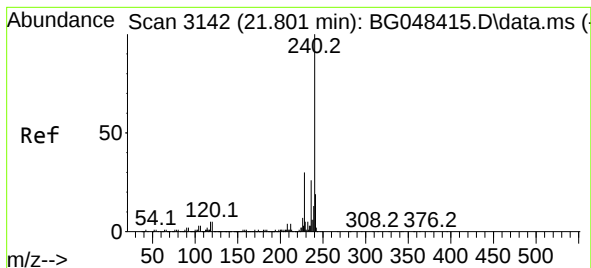
Tgt Ion:	167	Resp:	55202
Ion Ratio	Lower	Upper	
167	100		
166	24.8	18.7	28.1
139	12.4	9.6	14.4



#75
 Fluoranthene
 Concen: 35.96 ng
 RT: 19.549 min Scan# 2759
 Delta R.T. 0.001 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

Tgt Ion:	202	Resp:	818316
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	29.7
203	18.2	0.0	39.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.788 min Scan# 3140

Delta R.T. -0.005 min

Lab File: BG048482.D

Acq: 23 Mar 2021 23:14

Tgt Ion:240 Resp: 308730

Ion Ratio Lower Upper

240 100

120 5.3 6.2 9.4#

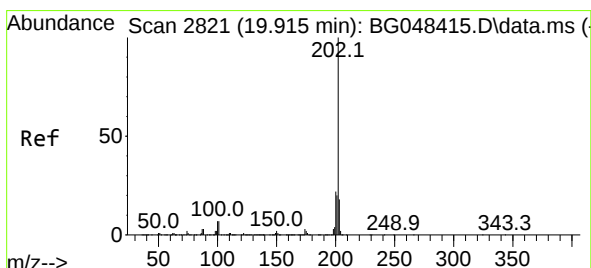
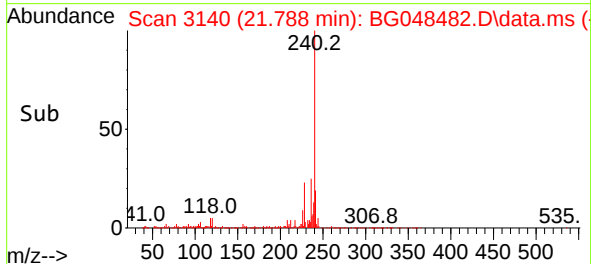
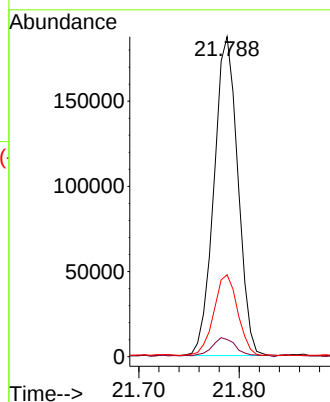
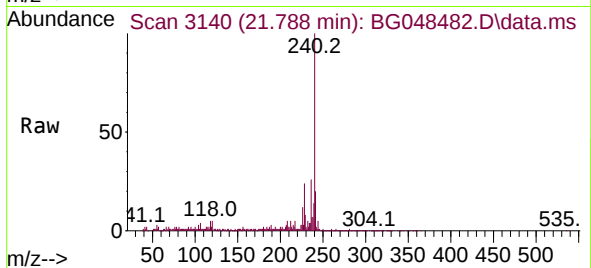
236 25.6 20.5 30.7

Instrument :

BNA_G

ClientSampleId :

OK-03-032221



#78

Pyrene

Concen: 41.26 ng

RT: 19.908 min Scan# 2820

Delta R.T. -0.005 min

Lab File: BG048482.D

Acq: 23 Mar 2021 23:14

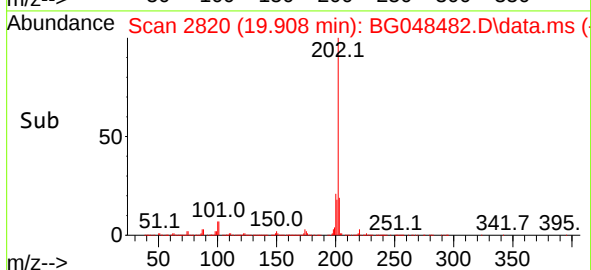
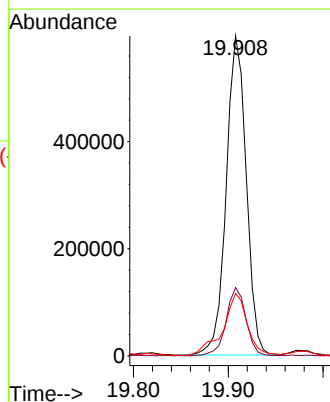
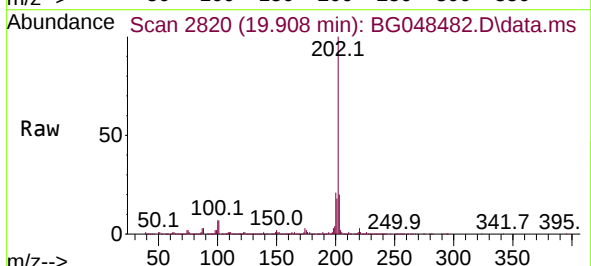
Tgt Ion:202 Resp: 874893

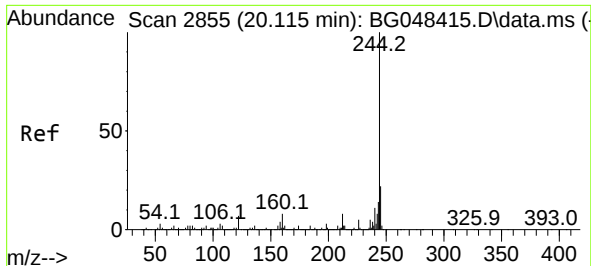
Ion Ratio Lower Upper

202 100

200 21.4 18.6 27.8

203 19.6 15.3 22.9

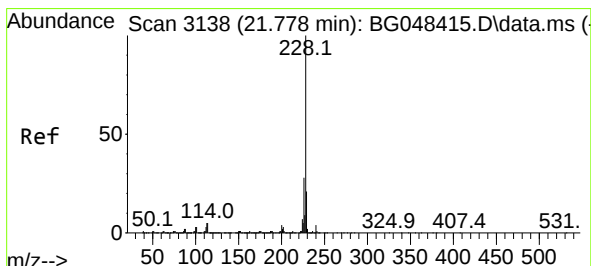
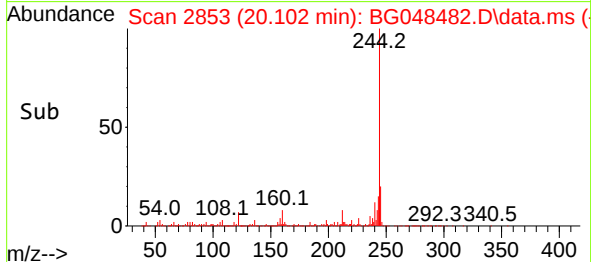
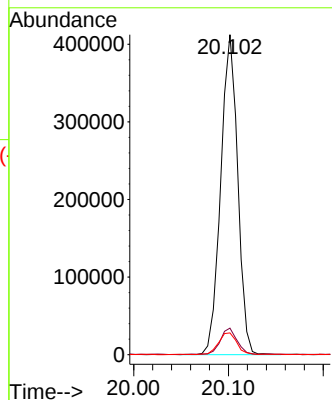
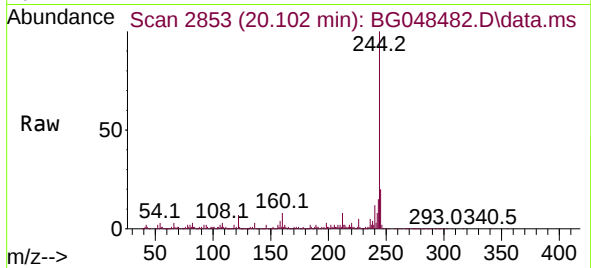




#79
 Terphenyl-d14
 Concen: 30.04 ng
 RT: 20.102 min Scan# 2853
 Delta R.T. -0.005 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

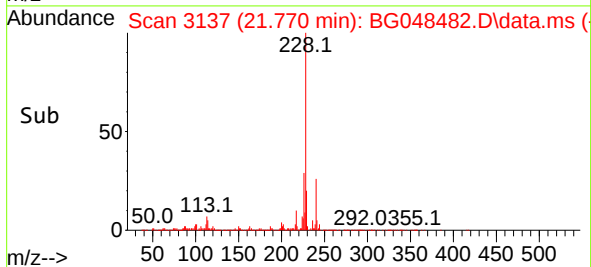
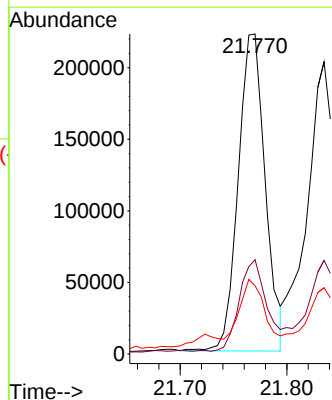
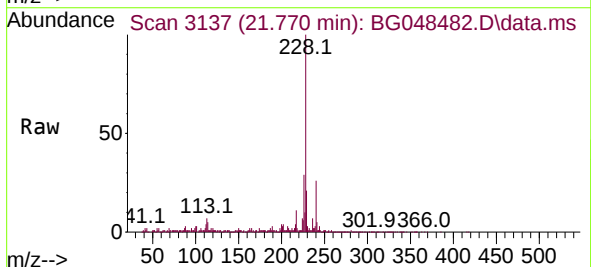
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

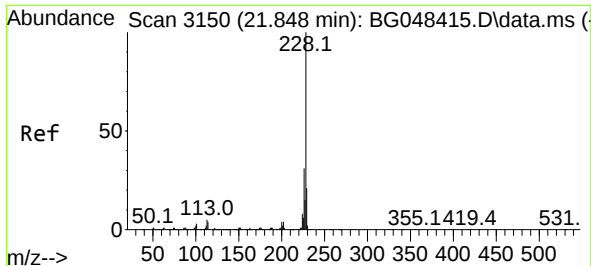
Tgt Ion:244 Resp: 514176
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.7 10.1
 122 6.8 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 18.24 ng
 RT: 21.770 min Scan# 3137
 Delta R.T. 0.001 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

Tgt Ion:228 Resp: 390626
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.3 34.9
 229 21.3 17.4 26.0

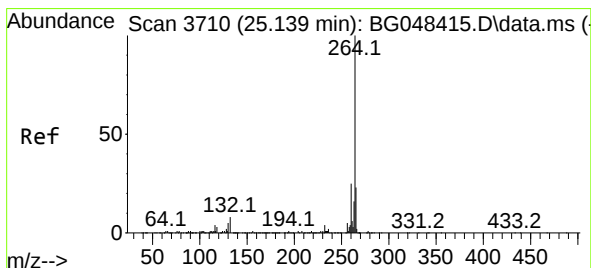
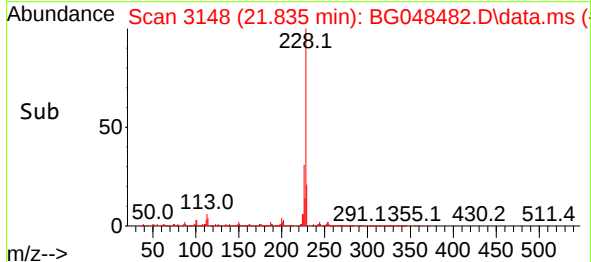
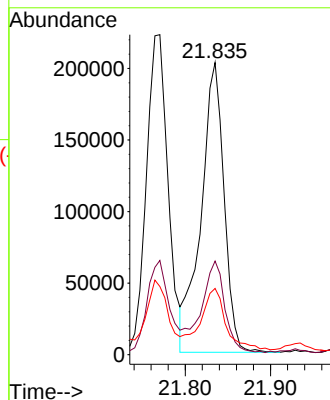
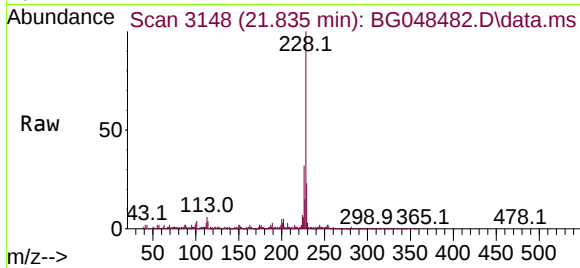




#83
Chrysene
Concen: 18.54 ng
RT: 21.835 min Scan# 3148
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

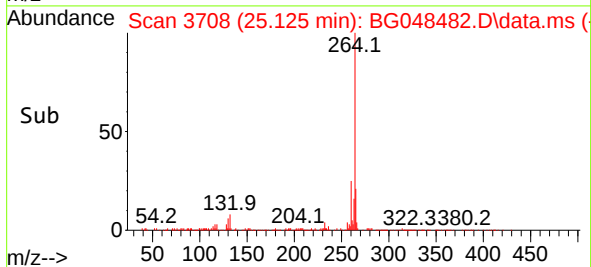
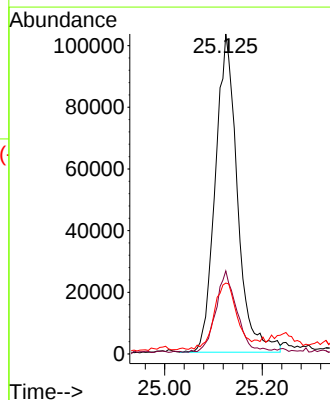
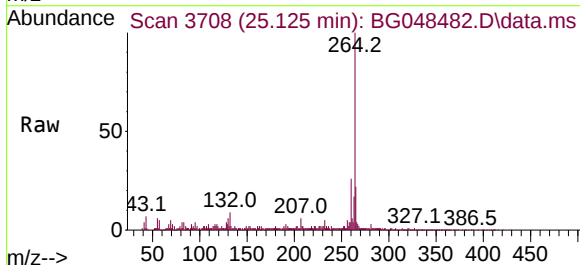
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

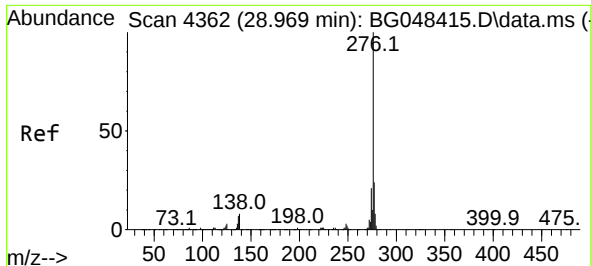
Tgt Ion:	228	Resp:	380595
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.0	37.4
229	22.7	17.3	25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.125 min Scan# 3708
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

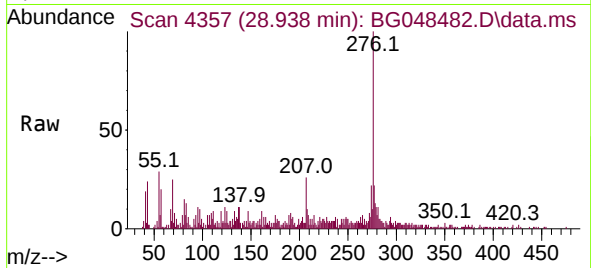
Tgt Ion:	264	Resp:	324763
Ion Ratio	Lower	Upper	
264	100		
260	26.0	18.8	28.2
265	22.1	17.8	26.8



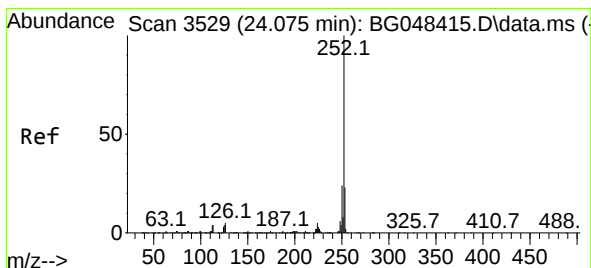
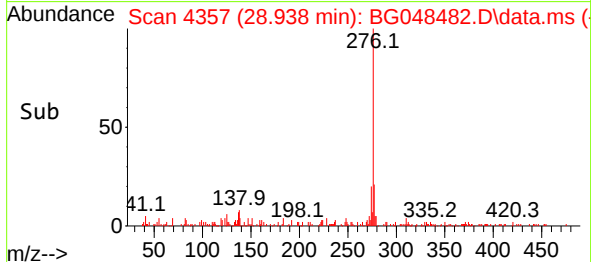
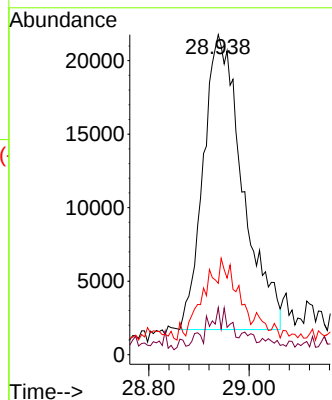


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.40 ng
 RT: 28.938 min Scan# 4357
 Delta R.T. -0.011 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

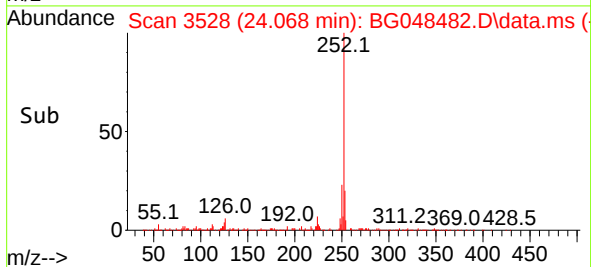
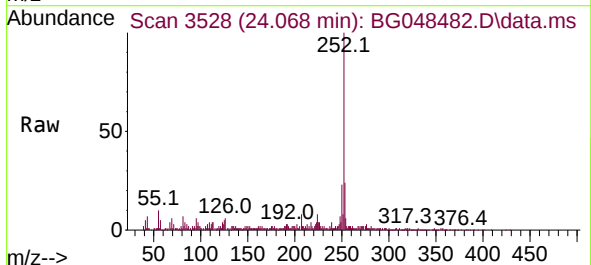
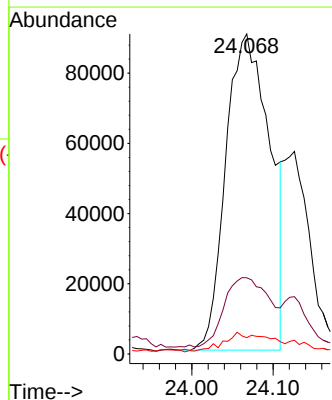


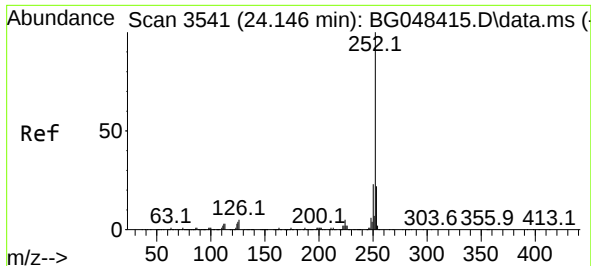
Tgt Ion:276 Resp: 108856
 Ion Ratio Lower Upper
 276 100
 138 3.0 16.2 24.2#
 277 9.8 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 14.80 ng
 RT: 24.068 min Scan# 3528
 Delta R.T. 0.007 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

Tgt Ion:252 Resp: 338696
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.7 28.1
 125 5.1 6.5 9.7#

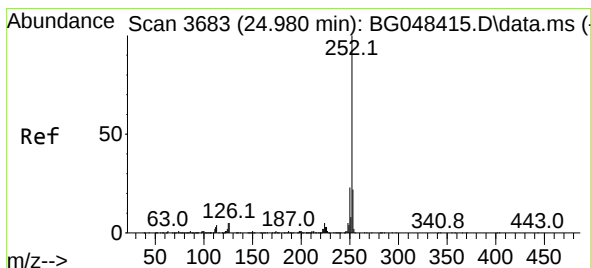
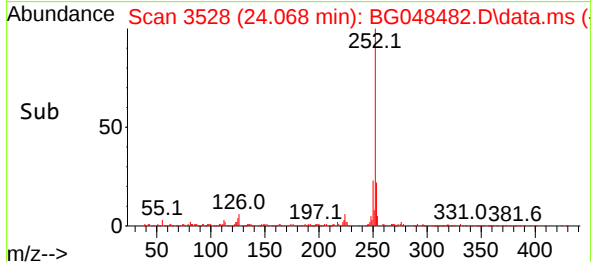
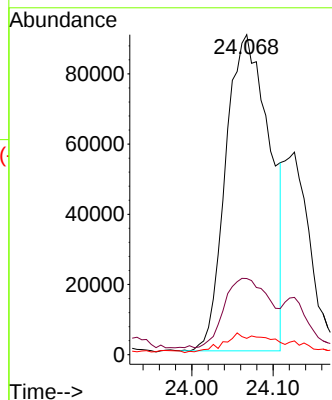
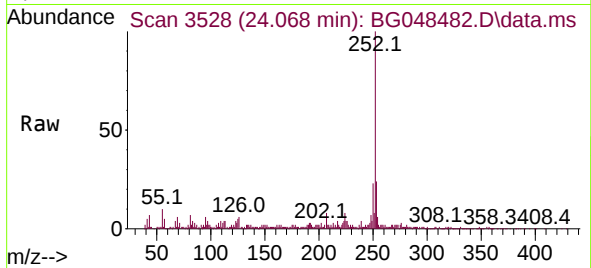




#89
Benzo(k)fluoranthene
Concen: 15.69 ng
RT: 24.068 min Scan# 3528
Delta R.T. -0.063 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

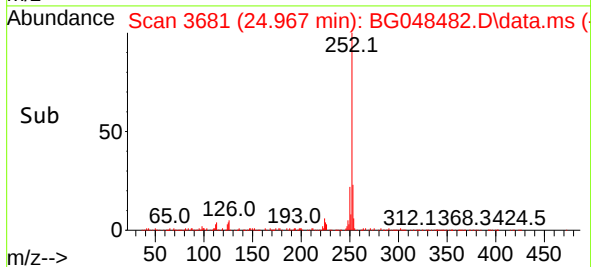
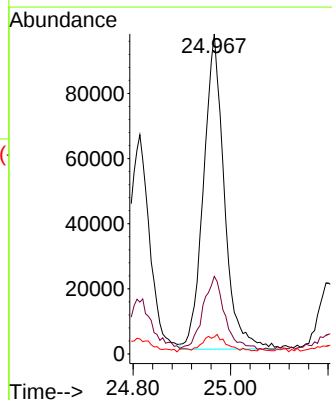
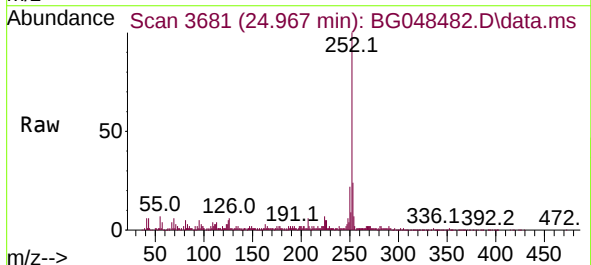
Instrument :
BNA_G
ClientSampleId :
OK-03-032221

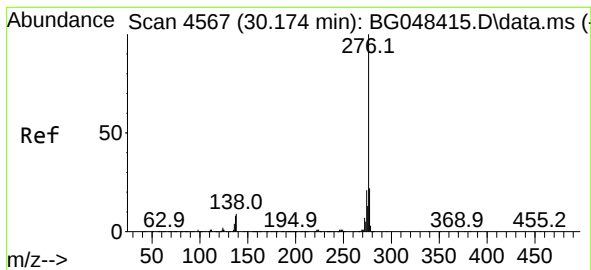
Tgt Ion:252 Resp: 338696
Ion Ratio Lower Upper
252 100
253 23.8 18.6 27.8
125 5.1 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 13.72 ng
RT: 24.967 min Scan# 3681
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

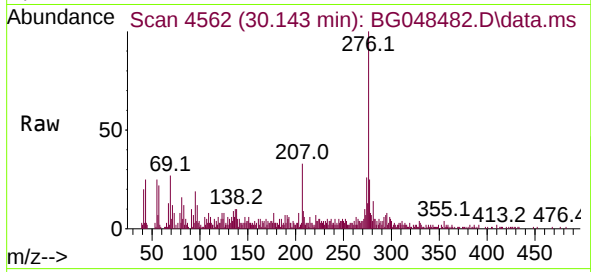
Tgt Ion:252 Resp: 286403
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 5.3 7.0 10.4#





#92
 Benzo(g,h,i)perylene
 Concen: 5.37 ng
 RT: 30.143 min Scan# 4562
 Delta R.T. -0.005 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221



Tgt Ion: 276 Resp: 110053

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	10.0	13.4	20.2

