

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030421\
 Data File : BG048335.D
 Acq On : 4 Mar 2021 19:28
 Operator : CG/JU
 Sample : M1539-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-030221

Quant Time: Mar 04 23:28:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 16:40:27 2021
 Response via : Initial Calibration

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

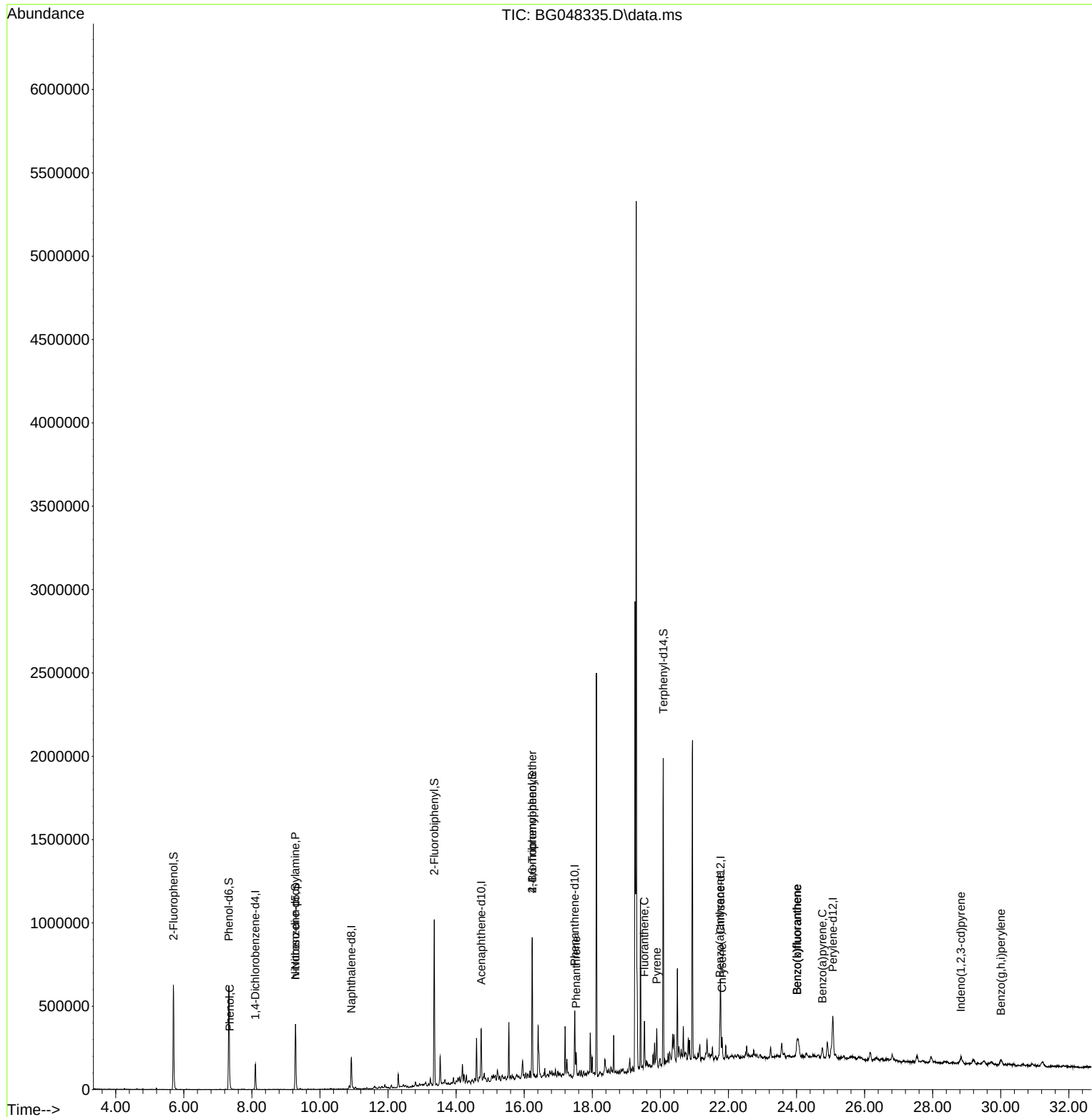
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	39938	20.00	ng	0.00
21) Naphthalene-d8	10.925	136	154650	20.00	ng	# 0.00
39) Acenaphthene-d10	14.738	164	106016	20.00	ng	0.00
64) Phenanthrene-d10	17.482	188	242093	20.00	ng	# 0.00
76) Chrysene-d12	21.765	240	267889	20.00	ng	# 0.00
86) Perylene-d12	25.067	264	267906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	244681	104.29	ng	0.00
7) Phenol-d6	7.323	99	341352	95.76	ng	0.00
23) Nitrobenzene-d5	9.280	82	250812	68.60	ng	0.00
42) 2,4,6-Tribromophenol	16.236	330	153236	90.37	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	507312	67.09	ng	0.00
79) Terphenyl-d14	20.085	244	767186	52.33	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.353	94	8593	2.38	ng	# 21
19) n-Nitroso-di-n-propyla...	9.280	70	38038	13.82	ng	# 85
67) 4-Bromophenyl-phenylether	16.236	248	10903	3.51	ng	# 1
71) Phenanthrene	17.529	178	78915	6.00	ng	# 92
75) Fluoranthene	19.532	202	155923	9.11	ng	96
78) Pyrene	19.891	202	154475	8.26	ng	98
81) Benzo(a)anthracene	21.747	228	103156	5.52	ng	97
83) Chrysene	21.812	228	96879	5.43	ng	96
87) Indeno(1,2,3-cd)pyrene	28.827	276	72361	3.56	ng	# 79
88) Benzo(b)fluoranthene	24.015	252	142844	7.71	ng	# 96
89) Benzo(k)fluoranthene	24.015	252	142844	8.08	ng	# 96
90) Benzo(a)pyrene	24.762	252	69397	4.04	ng	97
92) Benzo(g,h,i)perylene	30.002	276	67836	4.03	ng	# 91

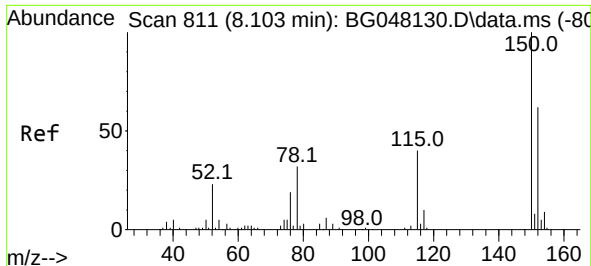
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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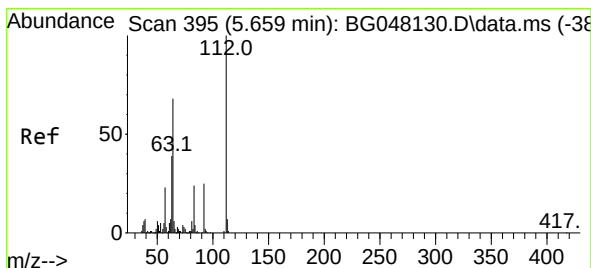
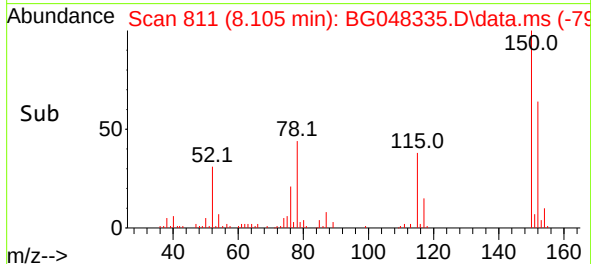
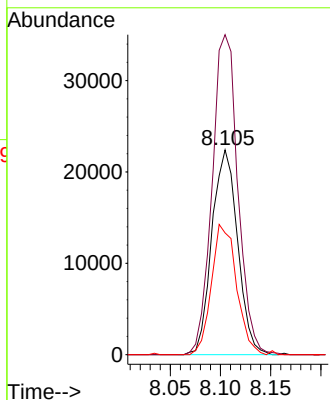
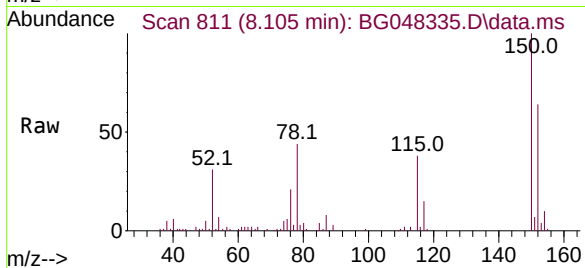




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.105 min Scan# 811
Delta R.T. 0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

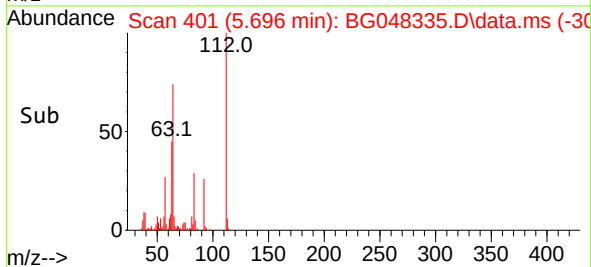
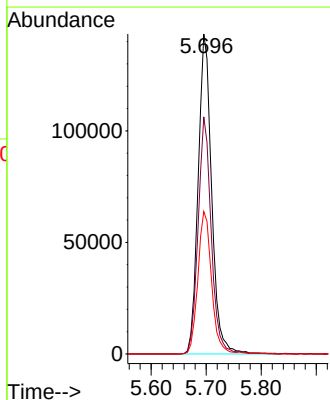
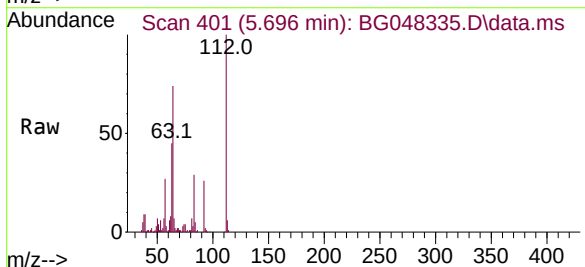
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

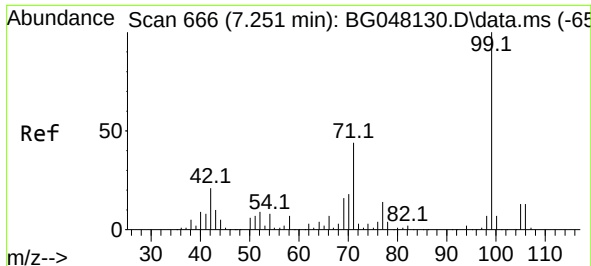
Tgt Ion:152 Resp: 39938
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.6
115 59.4 41.8 62.6



#5
2-Fluorophenol
Concen: 104.29 ng
RT: 5.696 min Scan# 401
Delta R.T. 0.008 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:112 Resp: 244681
Ion Ratio Lower Upper
112 100
64 74.1 46.7 70.1#
63 44.5 22.8 34.2#

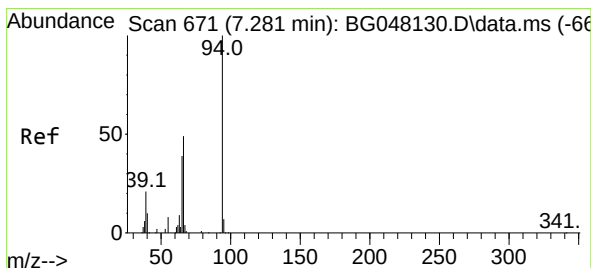
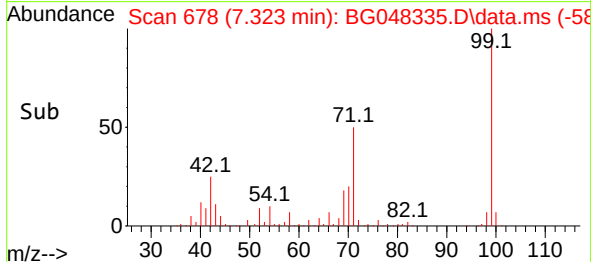
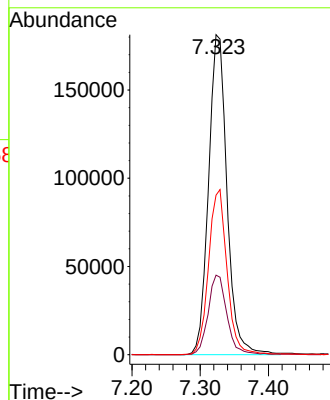
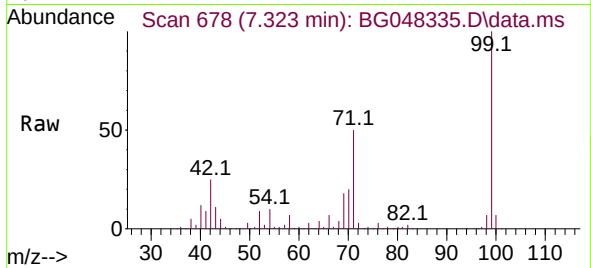




#7
Phenol-d6
Concen: 95.76 ng
RT: 7.323 min Scan# 678
Delta R.T. 0.008 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

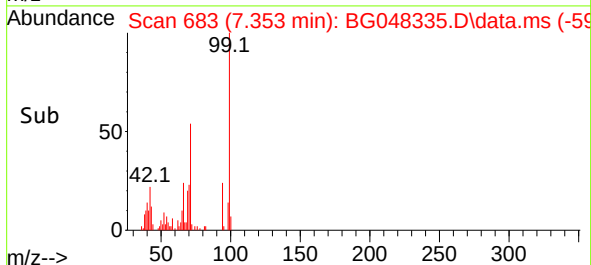
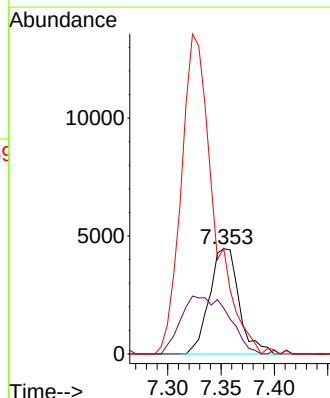
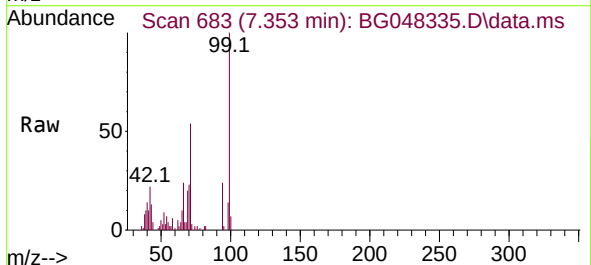
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

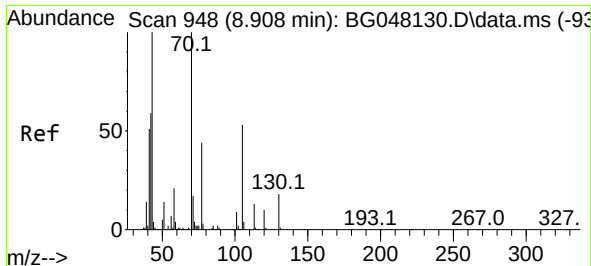
Tgt Ion: 99 Resp: 341352
Ion Ratio Lower Upper
99 100
42 24.9 12.8 19.2#
71 49.9 24.6 36.8#



#10
Phenol
Concen: 2.38 ng
RT: 7.353 min Scan# 683
Delta R.T. 0.014 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

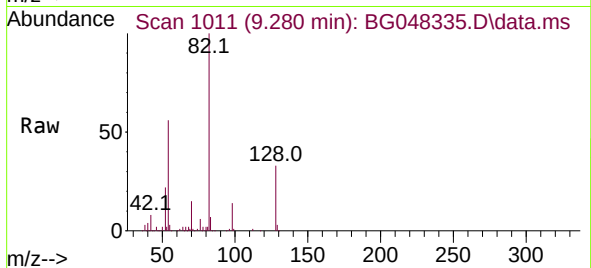
Tgt Ion: 94 Resp: 8593
Ion Ratio Lower Upper
94 100
65 43.4 6.6 46.6
66 100.1 13.9 53.9#



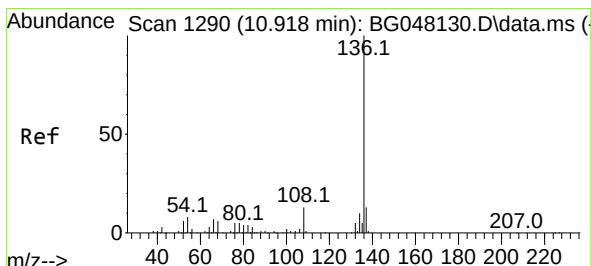
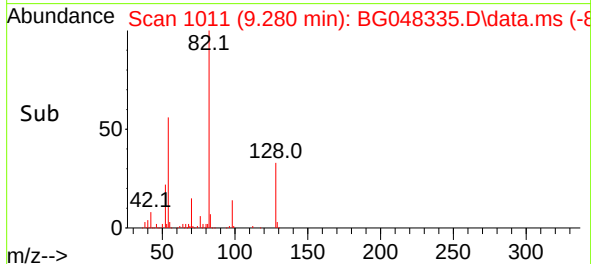
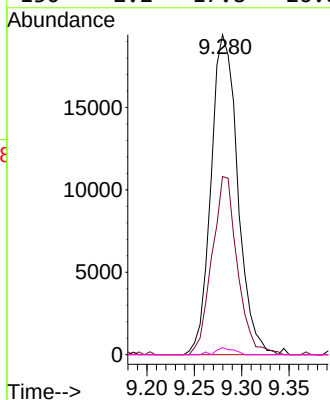


#19
n-Nitroso-di-n-propylamine
Concen: 13.82 ng
RT: 9.280 min Scan# 1011
Delta R.T. 0.361 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Instrument :
BNA_G
ClientSampled :
JC-02-030221

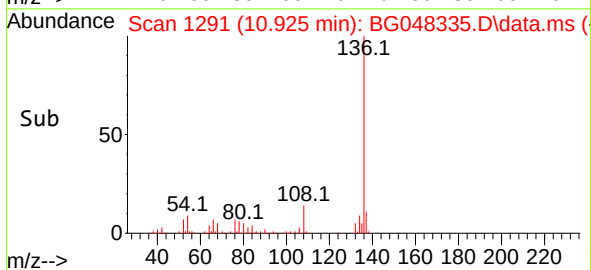
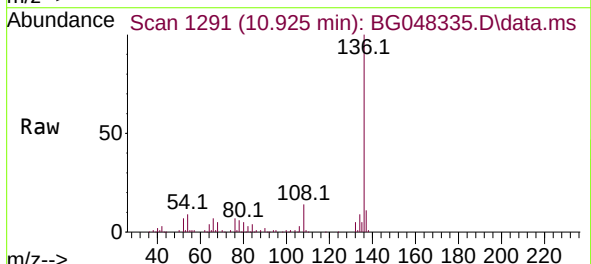
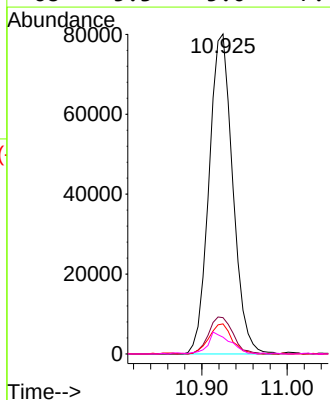


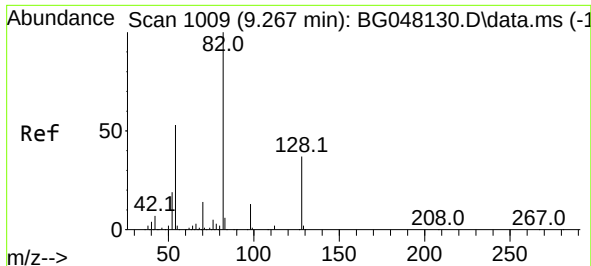
Tgt Ion: 70	Resp: 38038
Ion Ratio	Lower Upper
70 100	
42 55.7	45.6 68.4
101 0.0	8.4 12.6#
130 2.2	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.925 min Scan# 1291
Delta R.T. 0.002 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion: 136	Resp: 154650
Ion Ratio	Lower Upper
136 100	
137 11.3	9.1 13.7
54 9.4	6.2 9.4#
68 5.3	5.0 7.4

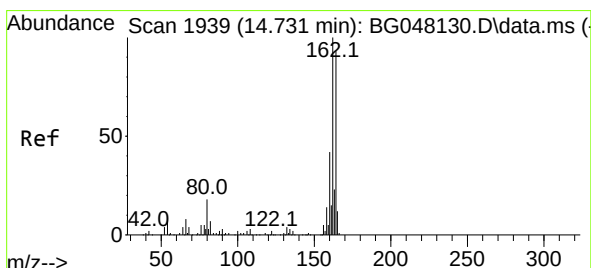
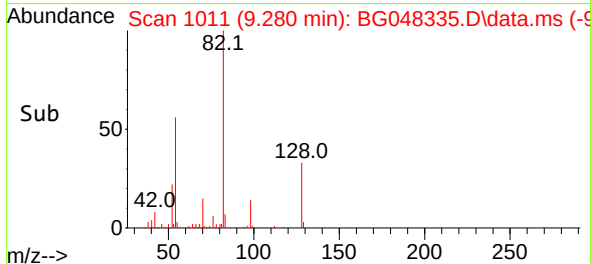
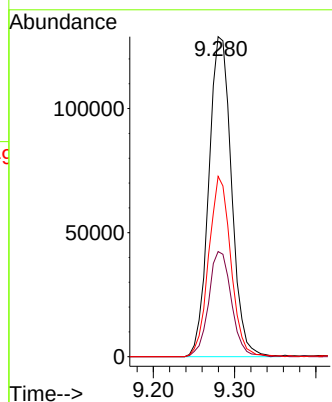
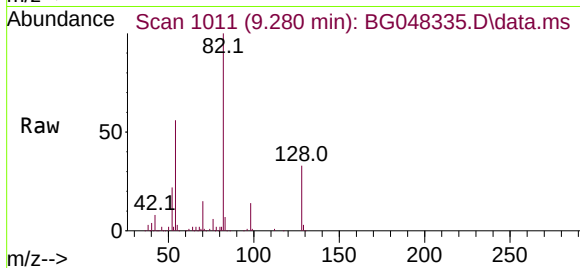




#23
Nitrobenzene-d5
Concen: 68.60 ng
RT: 9.280 min Scan# 1011
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

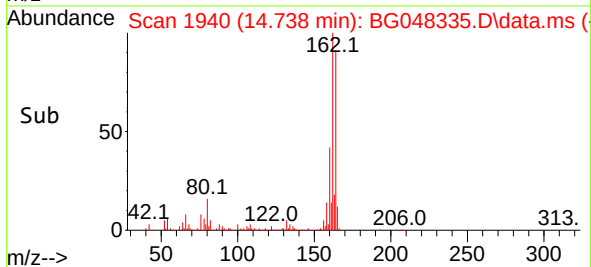
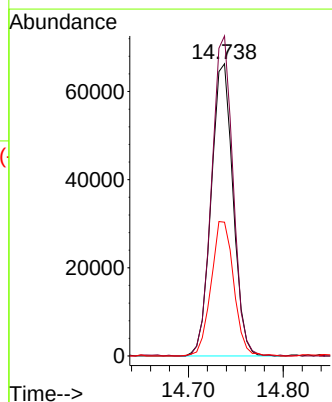
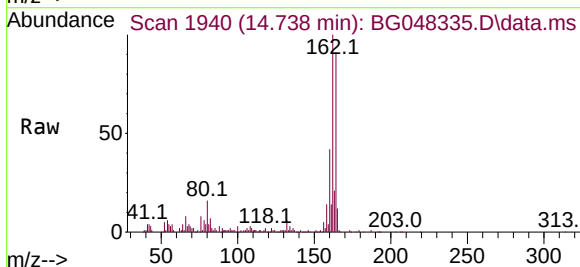
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

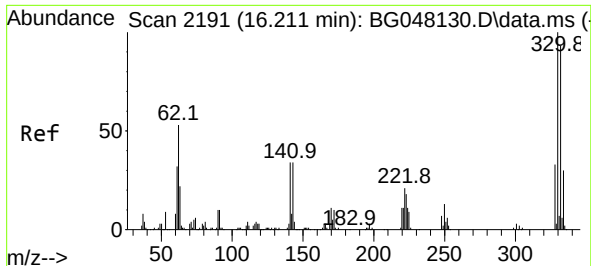
Tgt Ion: 82 Resp: 250812
Ion Ratio Lower Upper
82 100
128 32.9 37.0 55.6#
54 56.4 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.738 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:164 Resp: 106016
Ion Ratio Lower Upper
164 100
162 109.5 82.3 123.5
160 45.8 35.3 52.9

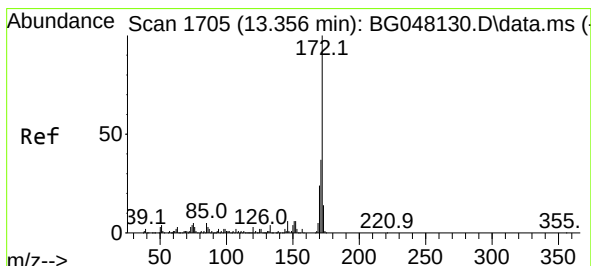
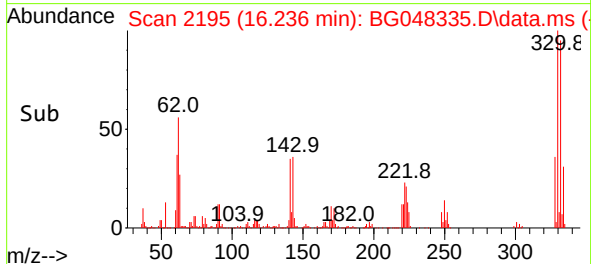
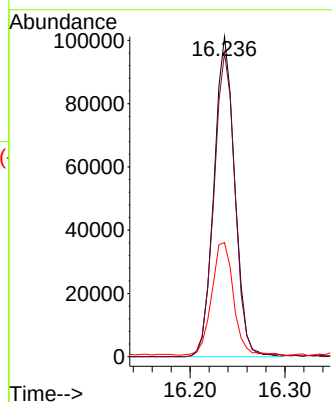
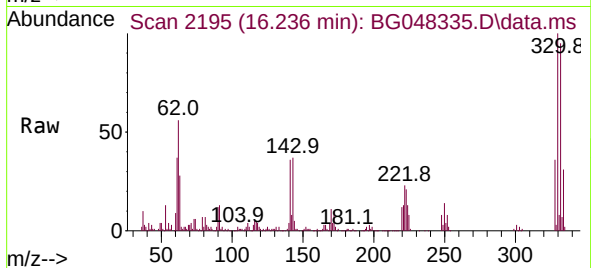




#42
2,4,6-Tribromophenol
Concen: 90.37 ng
RT: 16.236 min Scan# 2195
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

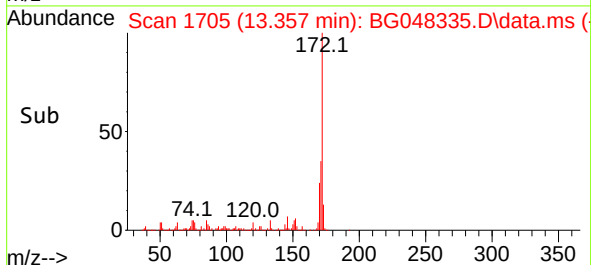
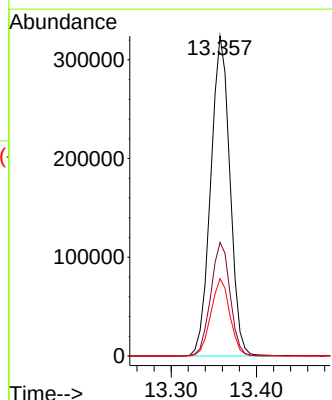
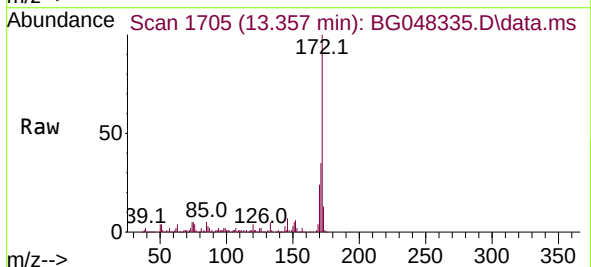
Instrument :
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ClientSampleId :
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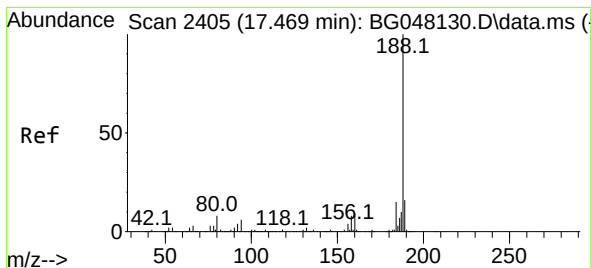
Tgt Ion:330 Resp: 153236
Ion Ratio Lower Upper
330 100
332 97.1 76.5 114.7
141 37.4 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 67.09 ng
RT: 13.357 min Scan# 1705
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:172 Resp: 507312
Ion Ratio Lower Upper
172 100
171 35.5 31.3 46.9
170 24.1 20.8 31.2

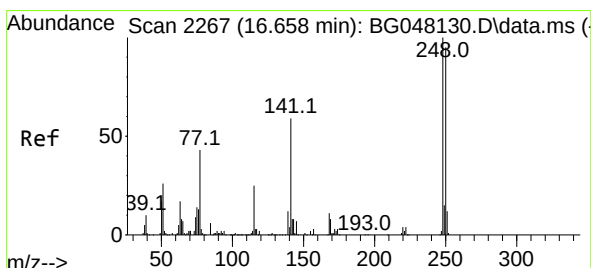
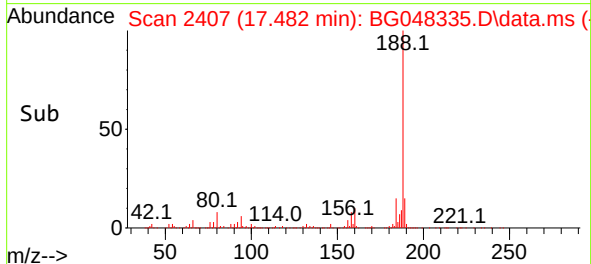
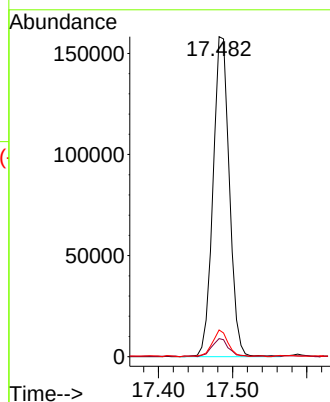
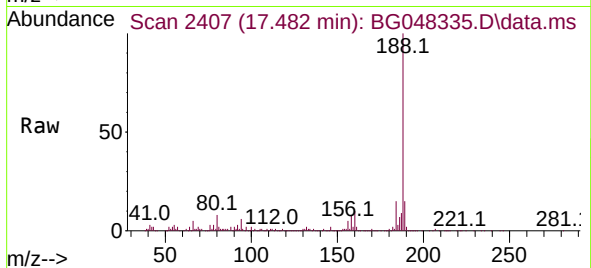




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.482 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

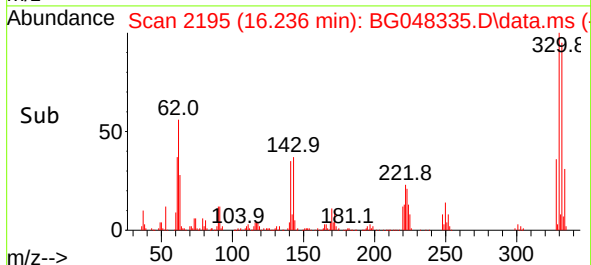
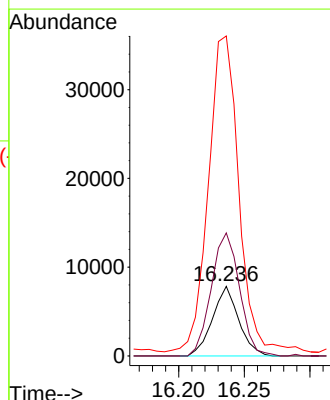
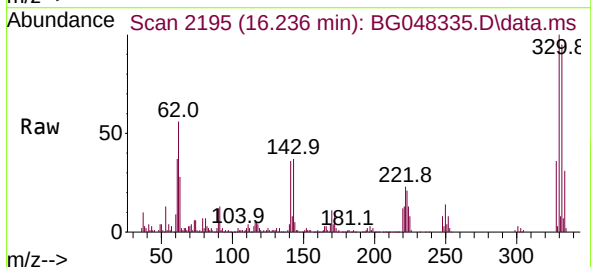
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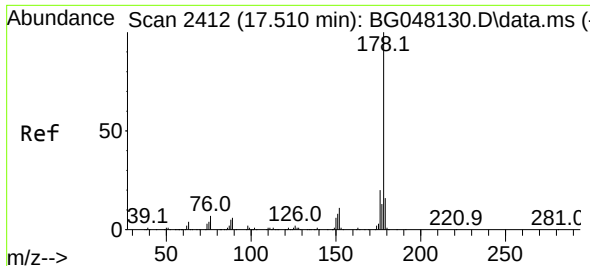
Tgt Ion:188 Resp: 242093
Ion Ratio Lower Upper
188 100
94 5.7 6.3 9.5#
80 8.4 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 16.236 min Scan# 2195
Delta R.T. -0.432 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:248 Resp: 10903
Ion Ratio Lower Upper
248 100
250 176.7 78.9 118.3#
141 459.6 46.2 69.4#

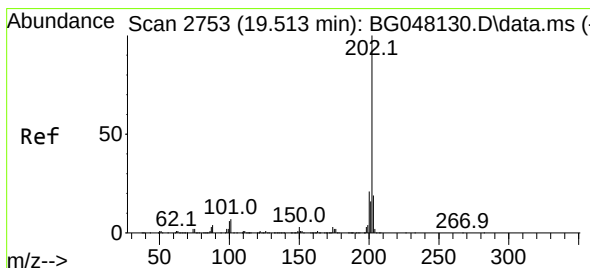
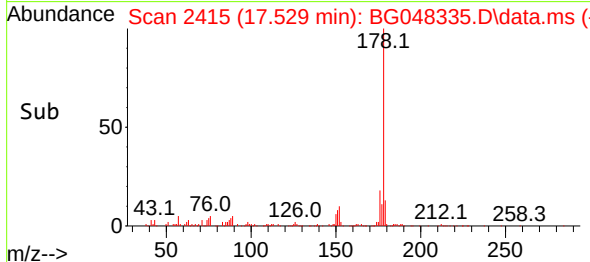
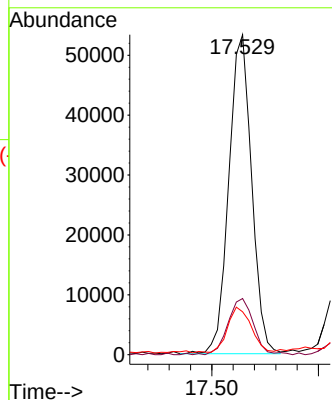
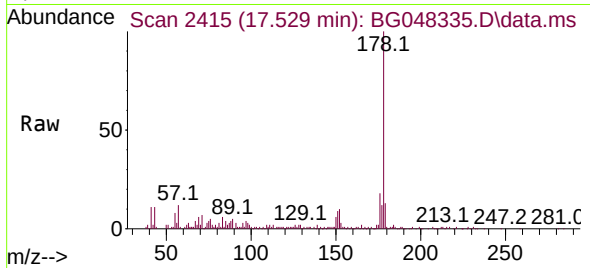




#71
Phenanthrene
Concen: 6.00 ng
RT: 17.529 min Scan# 2415
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

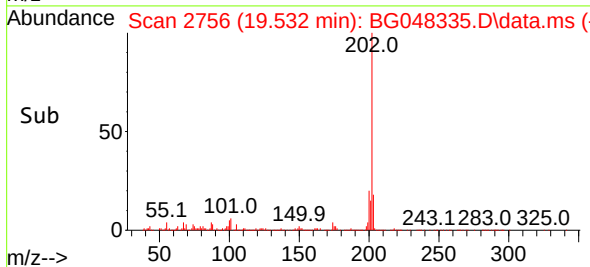
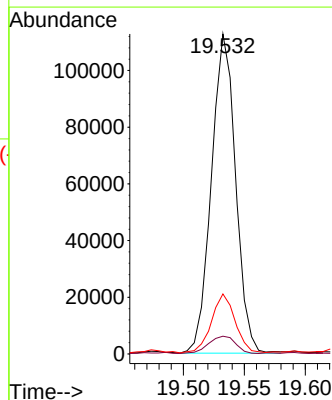
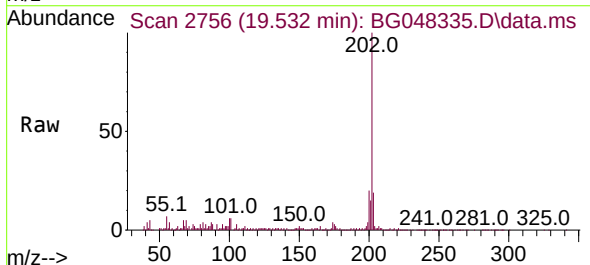
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

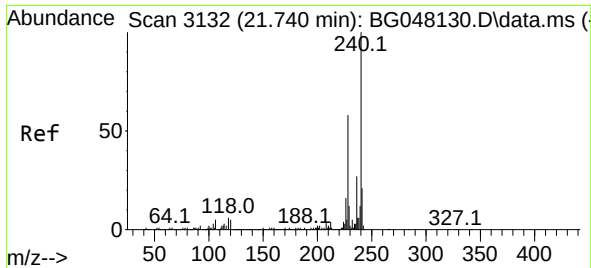
Tgt Ion:178 Resp: 78915
Ion Ratio Lower Upper
178 100
176 17.6 16.7 25.1
179 13.4 14.0 21.0#



#75
Fluoranthene
Concen: 9.11 ng
RT: 19.532 min Scan# 2756
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:202 Resp: 155923
Ion Ratio Lower Upper
202 100
101 5.5 0.0 29.7
203 18.7 0.0 39.2

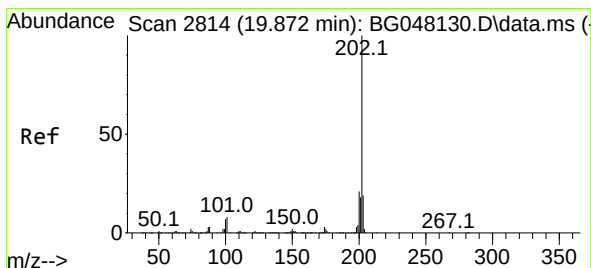
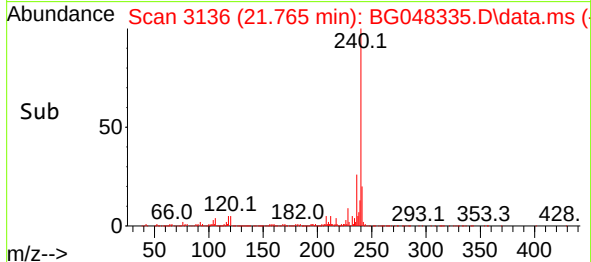
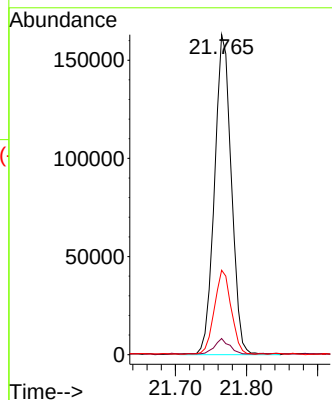
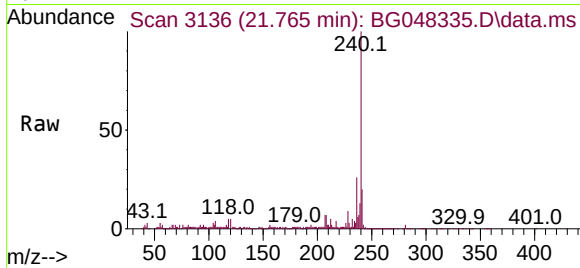




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.765 min Scan# 3136
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

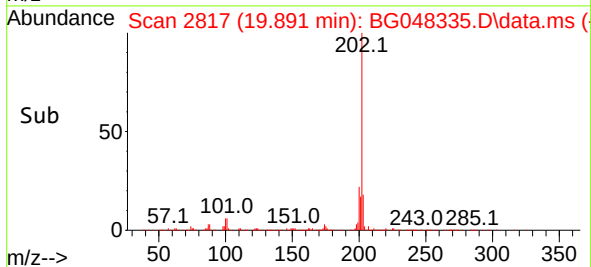
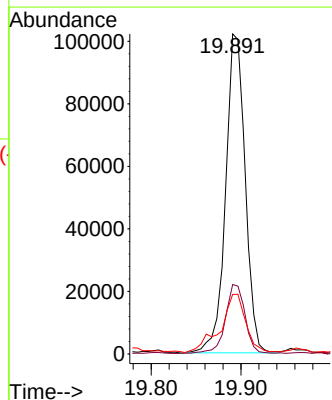
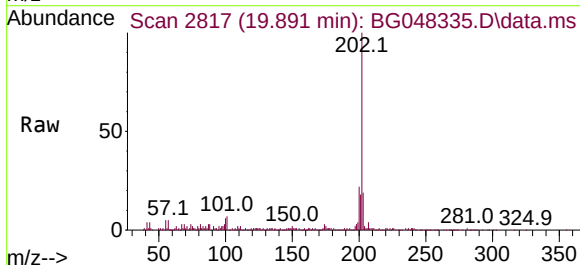
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

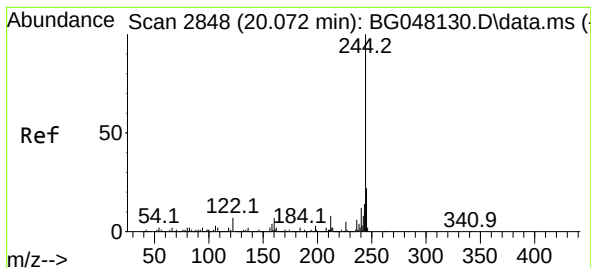
Tgt Ion:240 Resp: 267889
Ion Ratio Lower Upper
240 100
120 5.0 6.2 9.4#
236 26.4 20.5 30.7



#78
Pyrene
Concen: 8.26 ng
RT: 19.891 min Scan# 2817
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:202 Resp: 154475
Ion Ratio Lower Upper
202 100
200 21.7 18.6 27.8
203 18.6 15.3 22.9





#79

Terphenyl-d14

Concen: 52.33 ng

RT: 20.085 min Scan# 2850

Delta R.T. 0.002 min

Lab File: BG048335.D

Acq: 4 Mar 2021 19:28

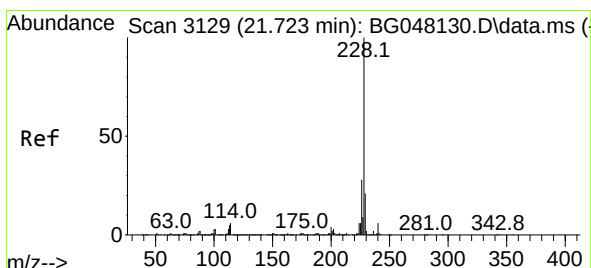
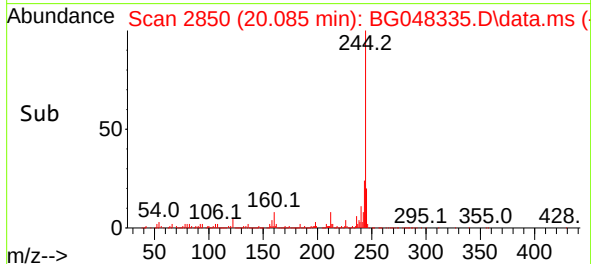
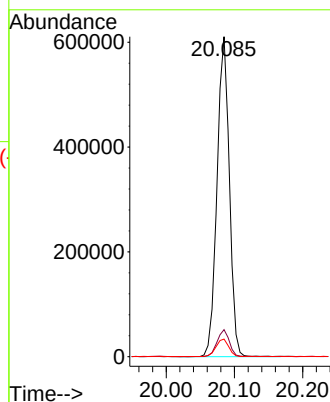
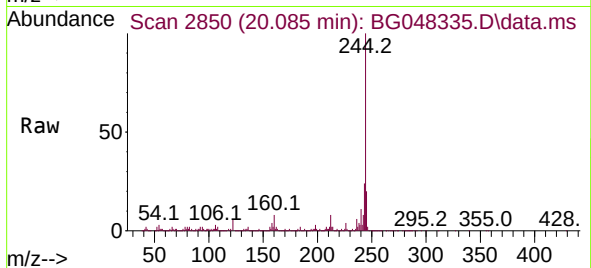
Tgt Ion:244 Resp: 767186

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

122 5.5 7.8 11.6#



#81

Benzo(a)anthracene

Concen: 5.52 ng

RT: 21.747 min Scan# 3133

Delta R.T. -0.003 min

Lab File: BG048335.D

Acq: 4 Mar 2021 19:28

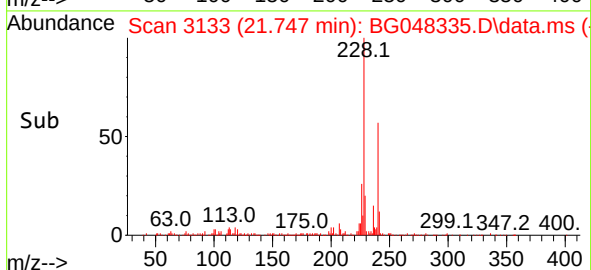
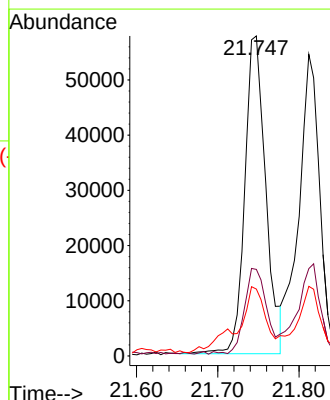
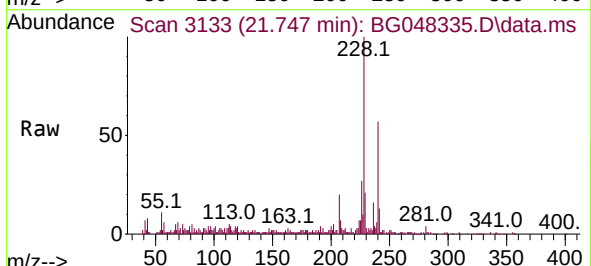
Tgt Ion:228 Resp: 103156

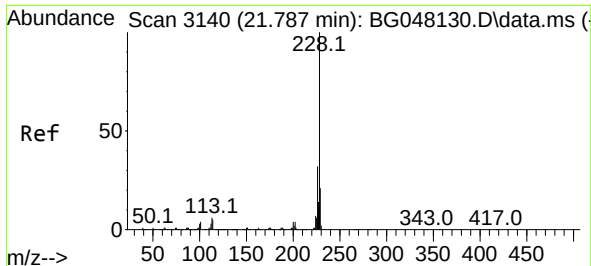
Ion Ratio Lower Upper

228 100

226 27.1 23.3 34.9

229 20.9 17.4 26.0

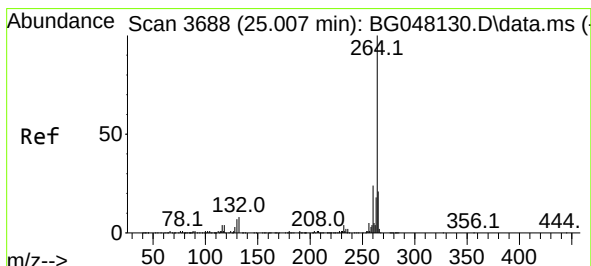
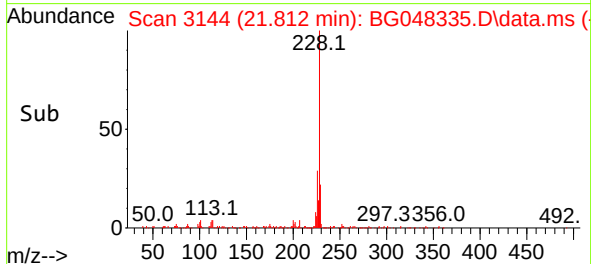
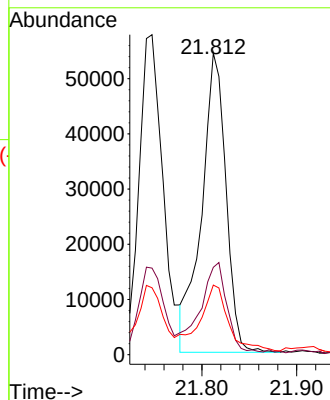
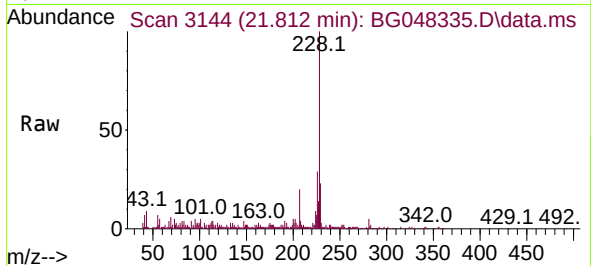




#83
Chrysene
Concen: 5.43 ng
RT: 21.812 min Scan# 3144
Delta R.T. -0.003 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

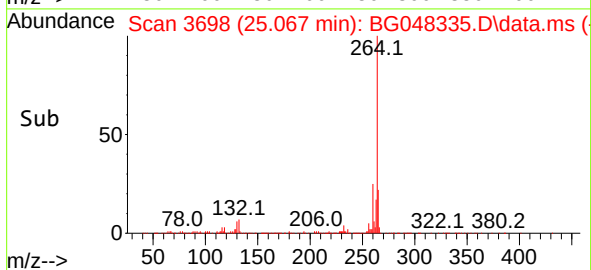
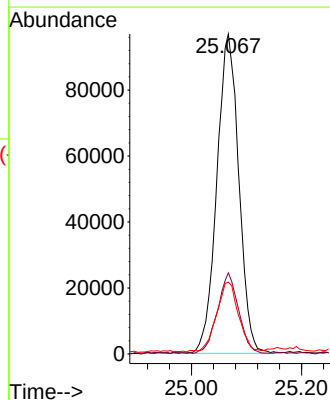
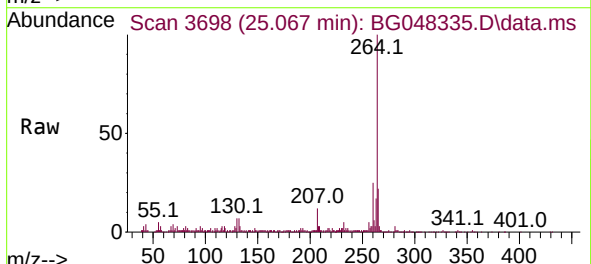
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

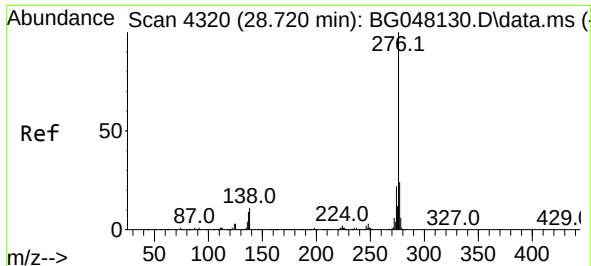
Tgt Ion:	228	Resp:	96879
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.4
229	23.1	17.3	25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.067 min Scan# 3698
Delta R.T. 0.002 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

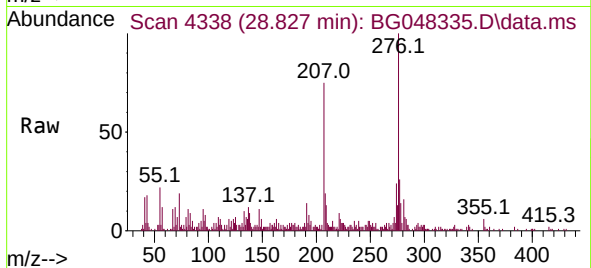
Tgt Ion:	264	Resp:	267906
Ion Ratio	Lower	Upper	
264	100		
260	25.4	18.8	28.2
265	22.5	17.8	26.8



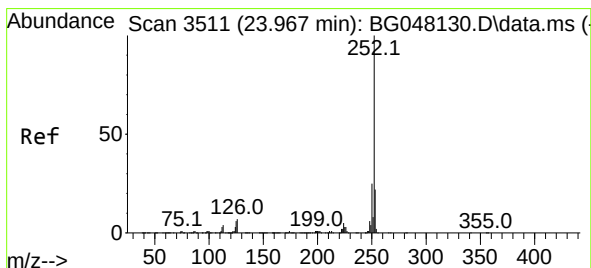
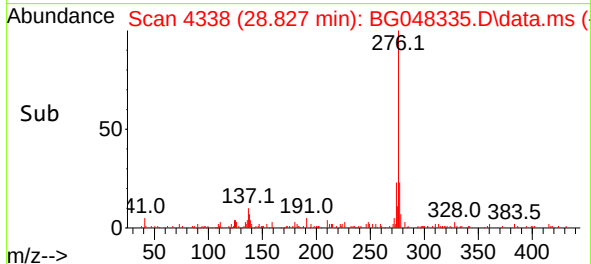
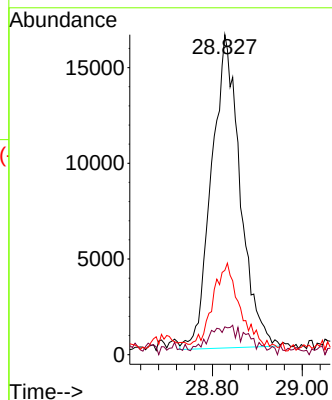


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.56 ng
 RT: 28.827 min Scan# 4338
 Delta R.T. -0.015 min
 Lab File: BG048335.D
 Acq: 4 Mar 2021 19:28

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-030221

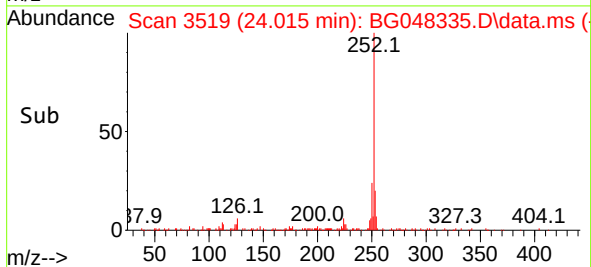
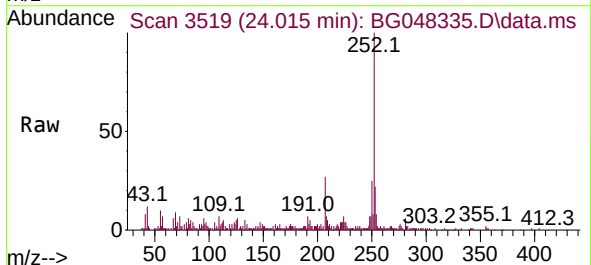
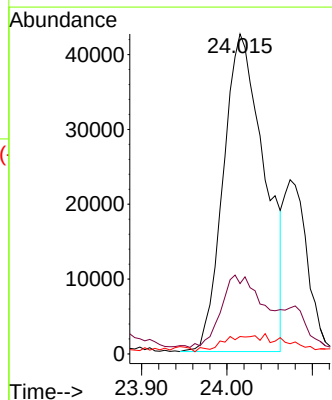


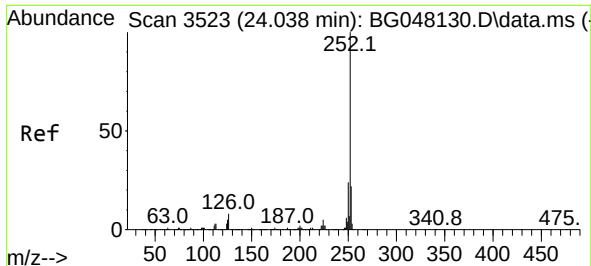
Tgt Ion:276 Resp: 72361
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.2 24.2#
 277 24.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 7.71 ng
 RT: 24.015 min Scan# 3519
 Delta R.T. -0.003 min
 Lab File: BG048335.D
 Acq: 4 Mar 2021 19:28

Tgt Ion:252 Resp: 142844
 Ion Ratio Lower Upper
 252 100
 253 22.0 18.7 28.1
 125 5.4 6.5 9.7#

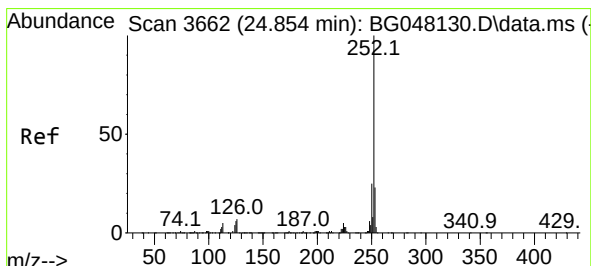
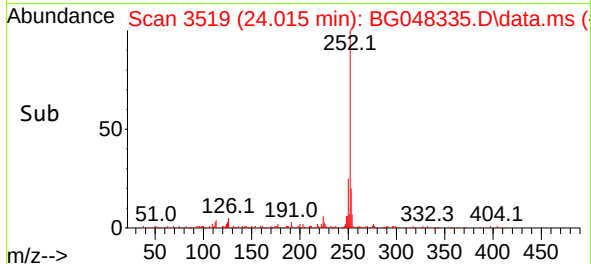
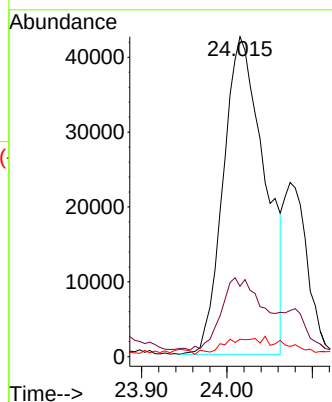
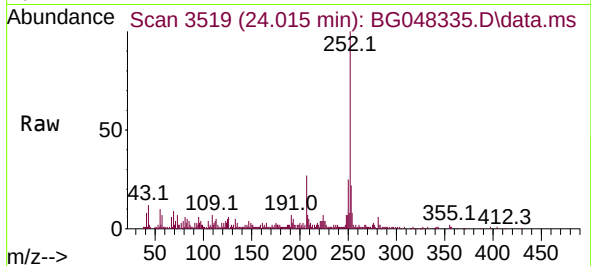




#89
Benzo(k)fluoranthene
Concen: 8.08 ng
RT: 24.015 min Scan# 3519
Delta R.T. -0.068 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

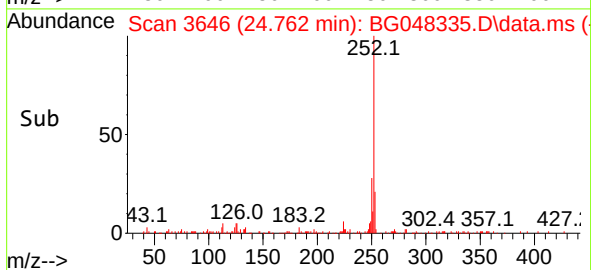
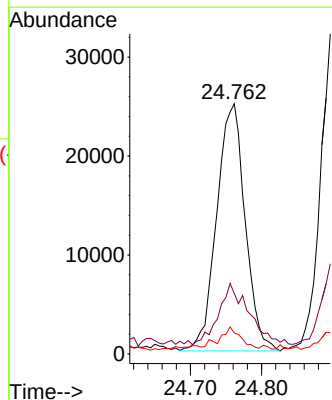
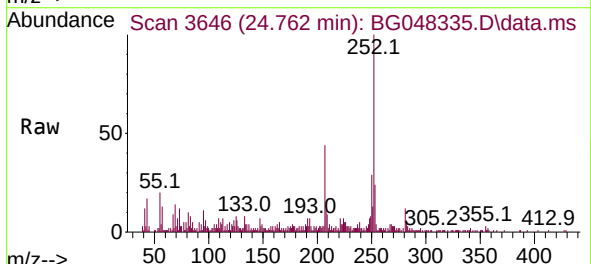
Instrument :
BNA_G
ClientSampleId :
JC-02-030221

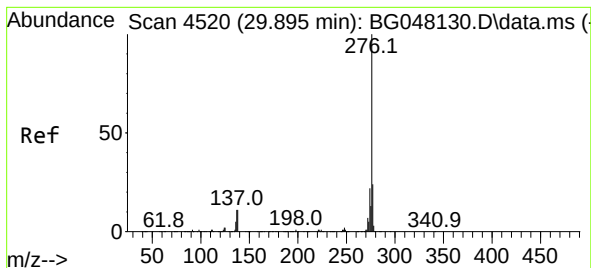
Tgt Ion:252 Resp: 142844
Ion Ratio Lower Upper
252 100
253 22.0 18.6 27.8
125 5.4 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 4.04 ng
RT: 24.762 min Scan# 3646
Delta R.T. -0.150 min
Lab File: BG048335.D
Acq: 4 Mar 2021 19:28

Tgt Ion:252 Resp: 69397
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 8.4 7.0 10.4





#92

Benzo(g,h,i)perylene

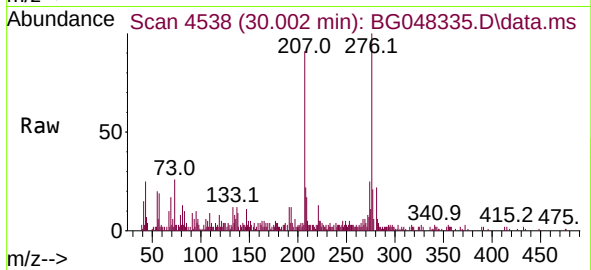
Concen: 4.03 ng

RT: 30.002 min Scan# 4538

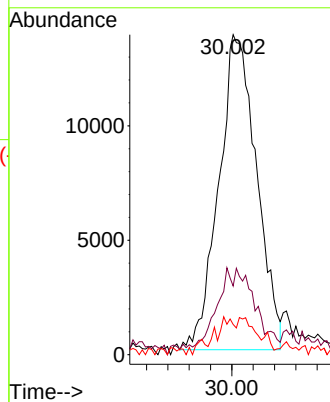
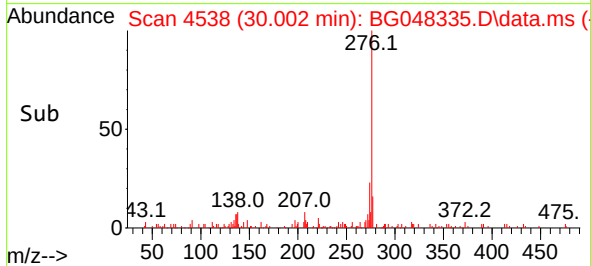
Delta R.T. -0.027 min

Lab File: BG048335.D

Acq: 4 Mar 2021 19:28



Tgt Ion:	276	Resp:	67836
Ion Ratio	Lower	Upper	
276	100		
277	21.4	19.6	29.4
138	11.1	13.4	20.2#



Instrument :
BNA_G
ClientSampleId :
JC-02-030221