

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048405.D
 Acq On : 17 Mar 2021 19:49
 Operator : CG/JU
 Sample : M1691-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-068-B

Quant Time: Mar 18 00:19:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 16 16:05:10 2021
 Response via : Initial Calibration

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

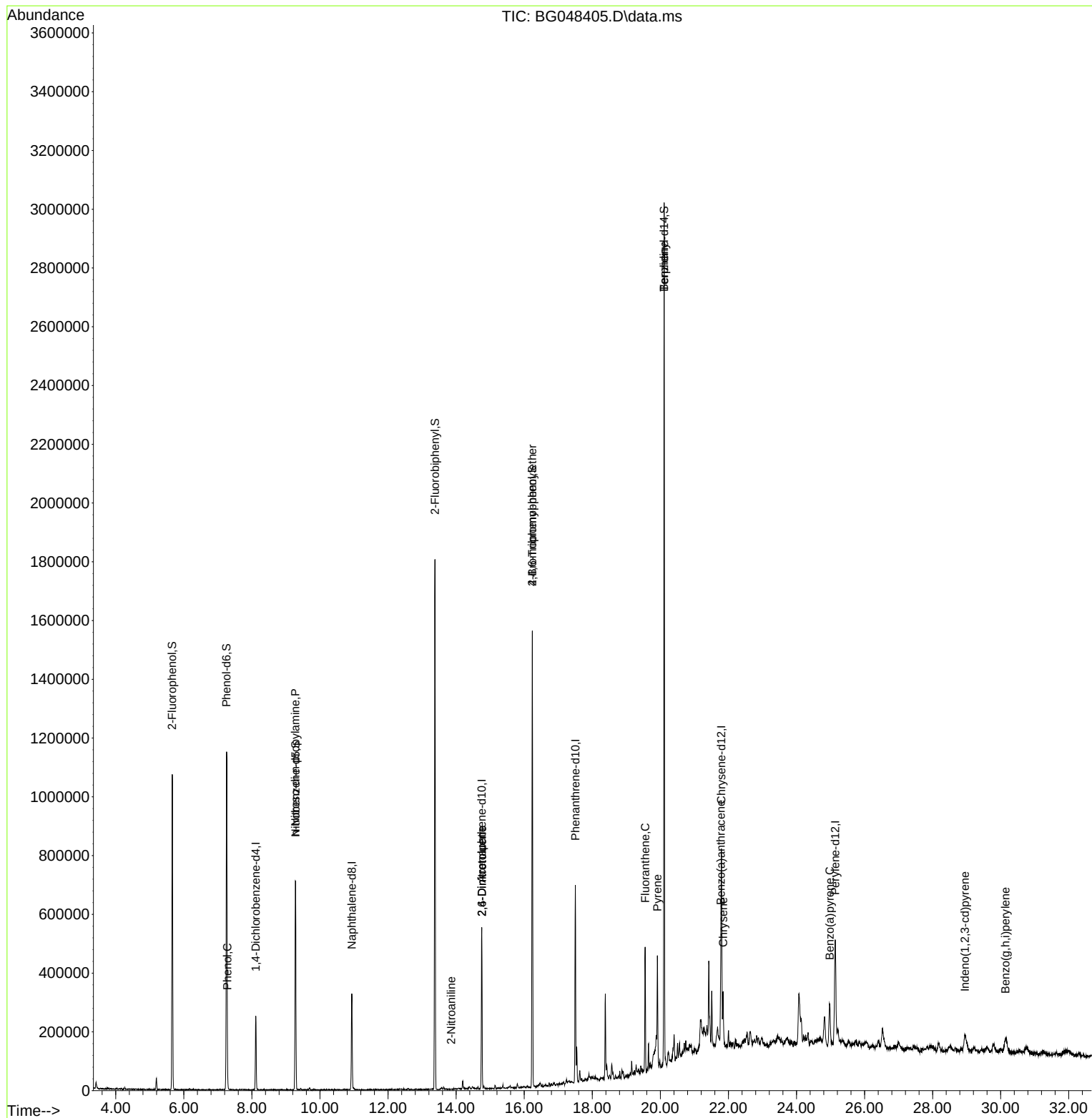
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.115	152	65981	20.00	ng	0.00
21) Naphthalene-d8	10.935	136	261240	20.00	ng	0.00
39) Acenaphthene-d10	14.754	164	192786	20.00	ng	0.00
64) Phenanthrene-d10	17.504	188	411341	20.00	ng	# 0.00
76) Chrysene-d12	21.793	240	393696	20.00	ng	# 0.00
86) Perylene-d12	25.136	264	407741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.659	112	410798	106.94	ng	0.00
7) Phenol-d6	7.257	99	587514	103.81	ng	0.00
23) Nitrobenzene-d5	9.284	82	438845	74.64	ng	0.00
42) 2,4,6-Tribromophenol	16.240	330	283327	114.87	ng	0.00
45) 2-Fluorobiphenyl	13.379	172	881153	64.41	ng	0.00
79) Terphenyl-d14	20.112	244	1272622	62.47	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.257	77	1752	Below Cal	#	7
10) Phenol	7.280	94	19880	3.44 ng	#	60
19) n-Nitroso-di-n-propyla...	9.278	70	65306	14.98 ng	#	80
48) 2-Nitroaniline	13.855	65	73	3.49 ng	#	1
51) 2,6-Dinitrotoluene	14.760	165	25565	9.07 ng	#	35
57) 2,4-Dinitrotoluene	14.760	165	25565	7.76 ng	#	33
67) 4-Bromophenyl-phenylether	16.240	248	20265	4.10 ng	#	1
75) Fluoranthene	19.554	202	260925	9.08 ng		95
77) Benzidine	20.112	184	25099	2.46 ng		99
78) Pyrene	19.913	202	237243	9.05 ng		96
81) Benzo(a)anthracene	21.775	228	162985	5.97 ng		97
83) Chrysene	21.846	228	149155	5.73 ng		96
87) Indeno(1,2,3-cd)pyrene	28.949	276	114328	3.65 ng	#	70
90) Benzo(a)pyrene	24.977	252	169768	6.48 ng	#	92
92) Benzo(g,h,i)perylene	30.142	276	108199	4.18 ng	#	90

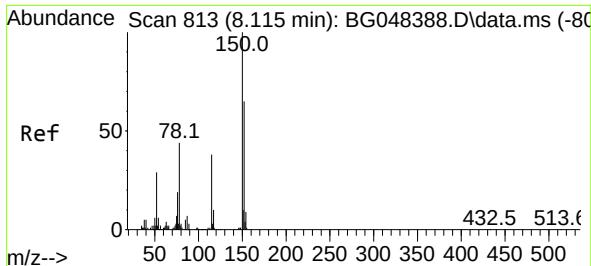
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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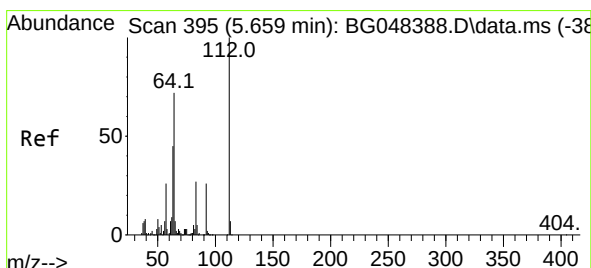
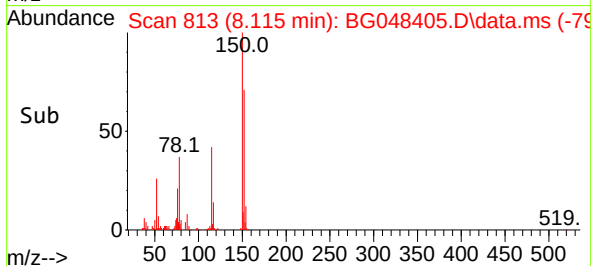
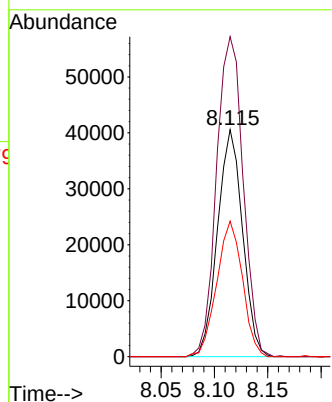
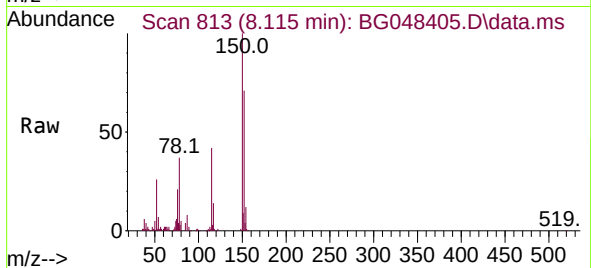




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.115 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

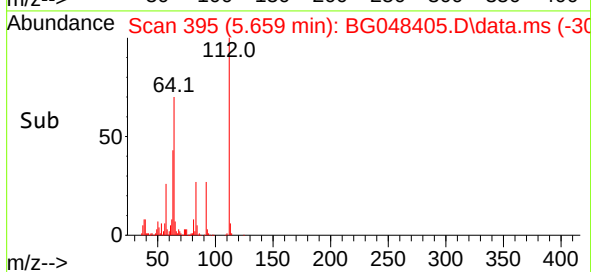
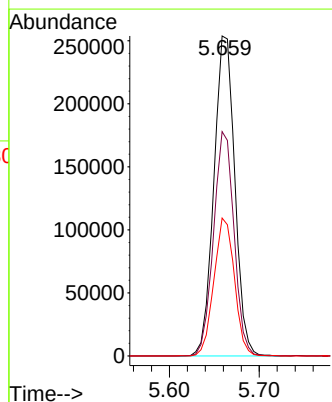
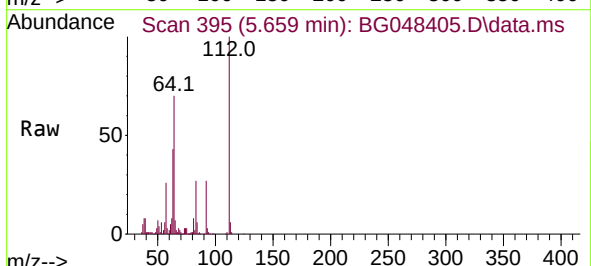
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

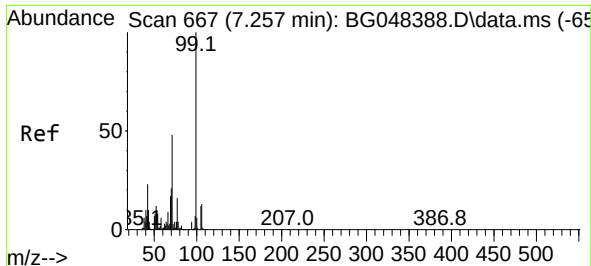
Tgt Ion:152 Resp: 65981
Ion Ratio Lower Upper
152 100
150 140.9 125.0 187.6
115 59.7 41.8 62.6



#5
2-Fluorophenol
Concen: 106.94 ng
RT: 5.659 min Scan# 395
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:112 Resp: 410798
Ion Ratio Lower Upper
112 100
64 70.1 46.7 70.1#
63 43.1 22.8 34.2#

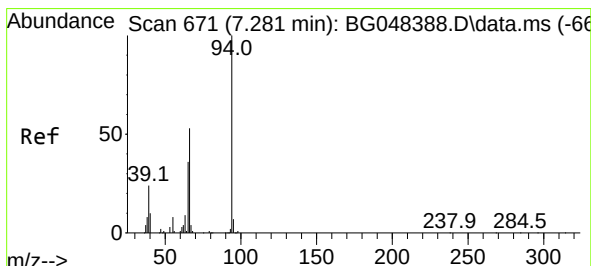
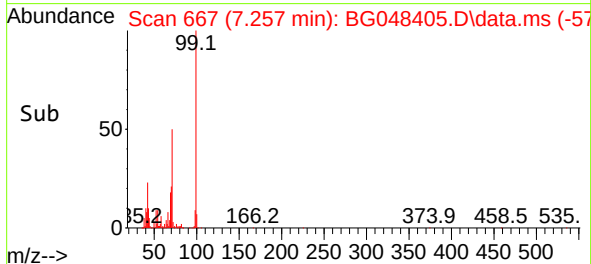
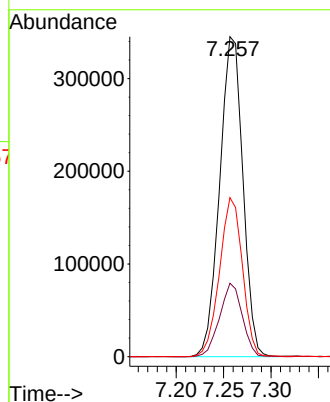
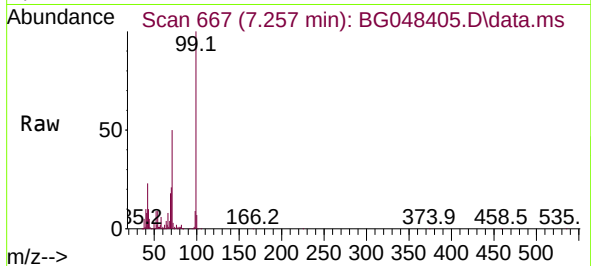




#7
Phenol-d6
Concen: 103.81 ng
RT: 7.257 min Scan# 667
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

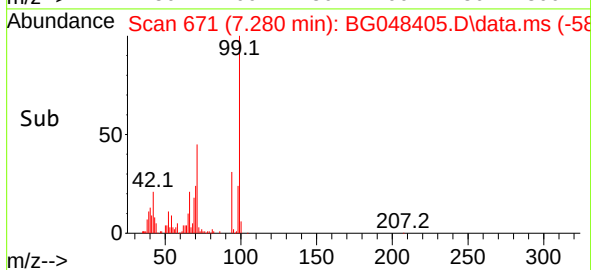
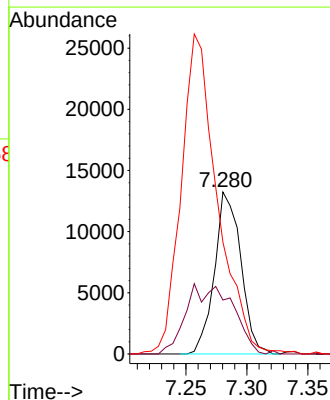
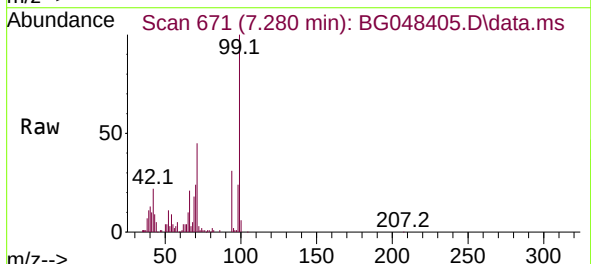
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

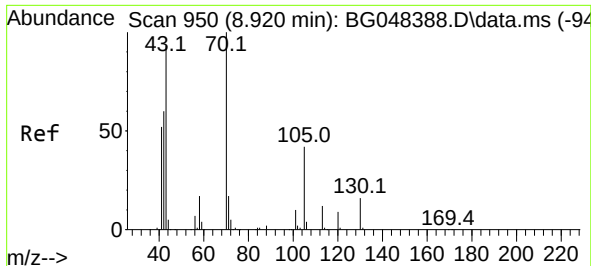
Tgt Ion: 99 Resp: 587514
Ion Ratio Lower Upper
99 100
42 23.0 12.8 19.2#
71 49.7 24.6 36.8#



#10
Phenol
Concen: 3.44 ng
RT: 7.280 min Scan# 671
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion: 94 Resp: 19880
Ion Ratio Lower Upper
94 100
65 33.3 6.6 46.6
66 69.1 13.9 53.9#

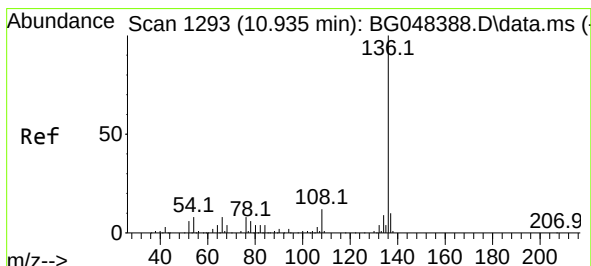
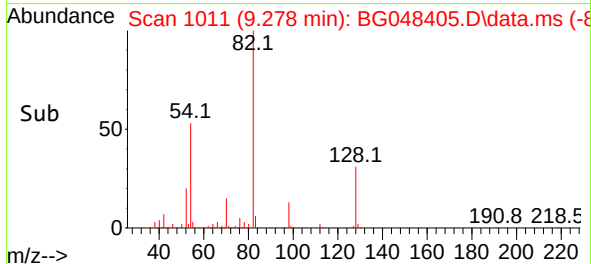
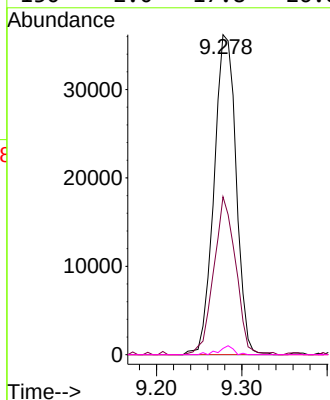
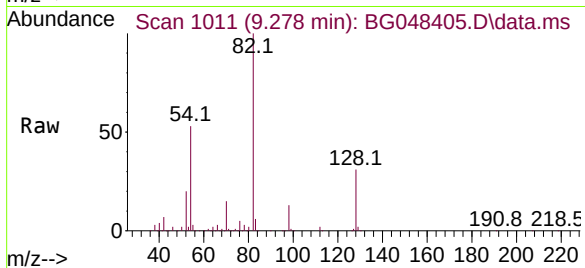




#19
n-Nitroso-di-n-propylamine
Concen: 14.98 ng
RT: 9.278 min Scan# 1011
Delta R.T. 0.358 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

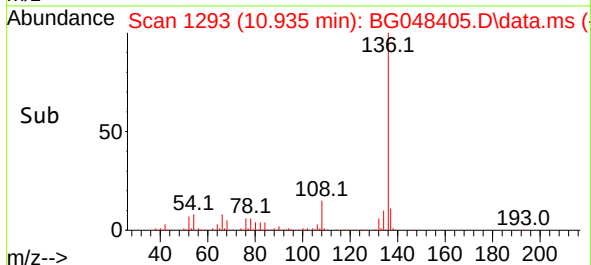
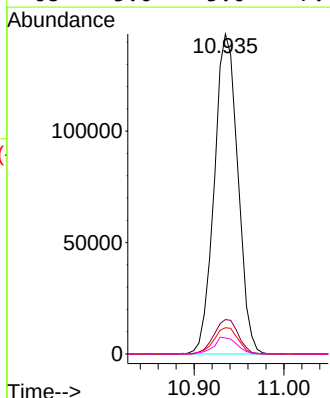
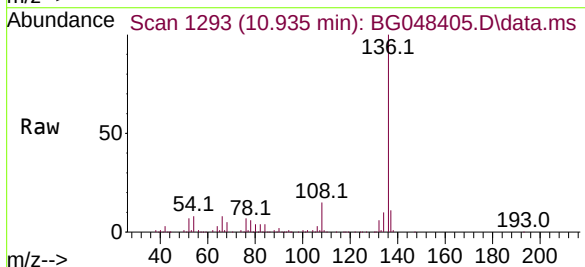
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

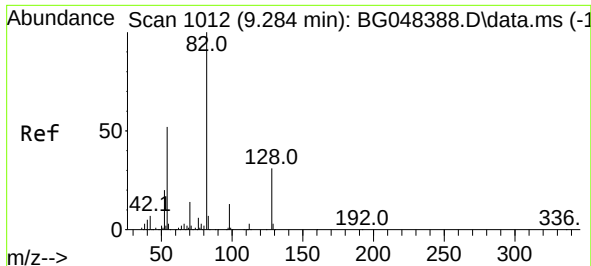
Tgt Ion: 70	Resp: 65306
Ion Ratio	Lower Upper
70 100	
42 49.4	45.6 68.4
101 0.0	8.4 12.6#
130 2.0	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.935 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion: 136	Resp: 261240
Ion Ratio	Lower Upper
136 100	
137 10.8	9.1 13.7
54 8.2	6.2 9.4
68 5.0	5.0 7.4





#23

Nitrobenzene-d5

Concen: 74.64 ng

RT: 9.284 min Scan# 1012

Delta R.T. -0.000 min

Lab File: BG048405.D

Acq: 17 Mar 2021 19:49

Tgt Ion: 82 Resp: 438845

Ion Ratio Lower Upper

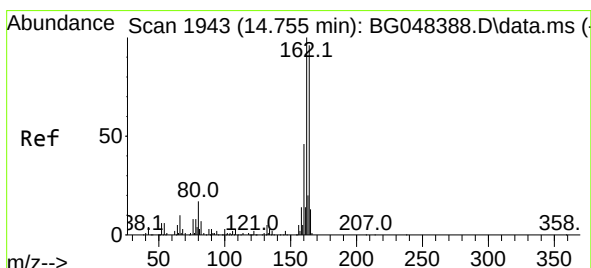
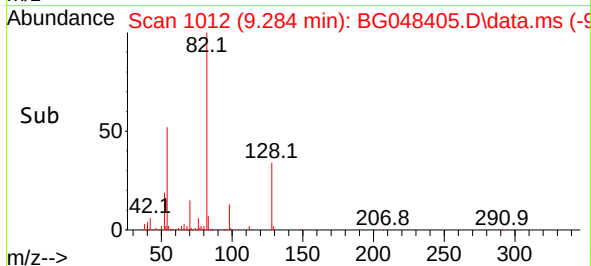
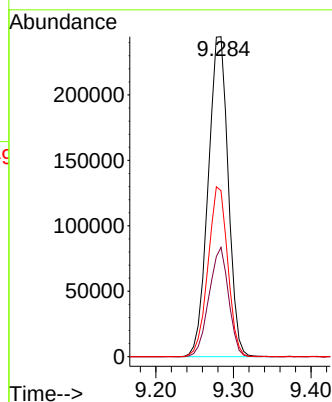
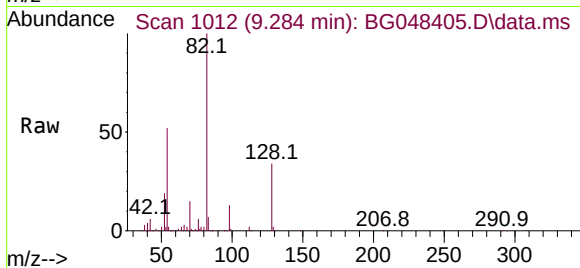
82	100		
128	34.1	37.0	55.6#
54	51.9	39.0	58.4

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-068-B



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.754 min Scan# 1943

Delta R.T. -0.001 min

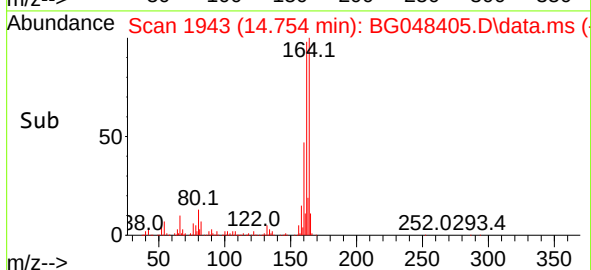
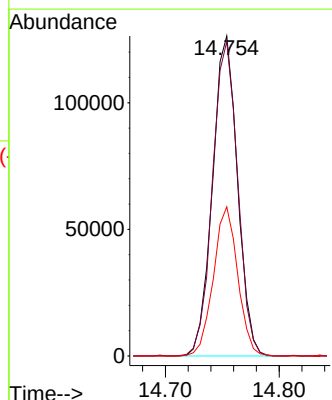
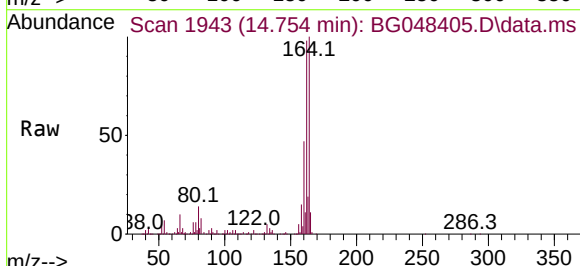
Lab File: BG048405.D

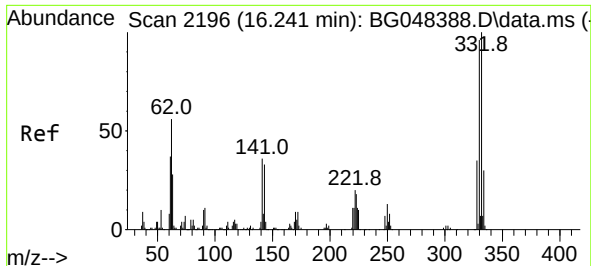
Acq: 17 Mar 2021 19:49

Tgt Ion: 164 Resp: 192786

Ion Ratio Lower Upper

164	100		
162	98.3	82.3	123.5
160	46.6	35.3	52.9

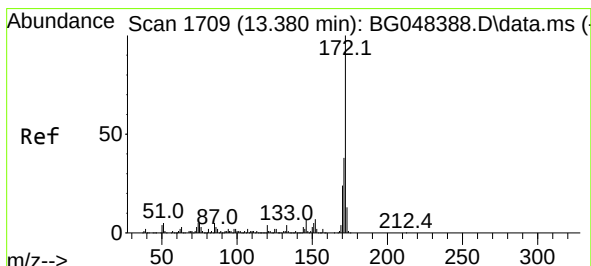
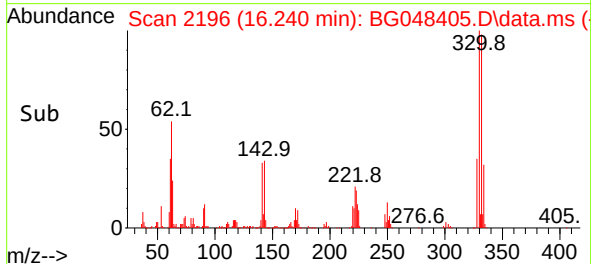
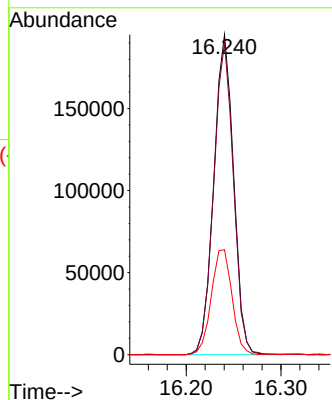
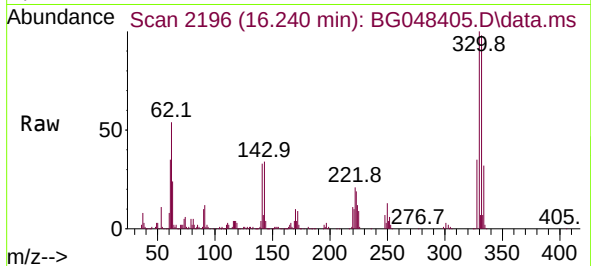




#42
2,4,6-Tribromophenol
Concen: 114.87 ng
RT: 16.240 min Scan# 2196
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

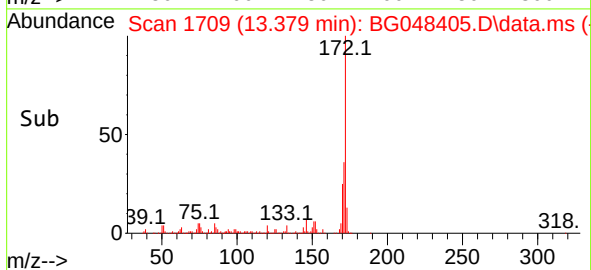
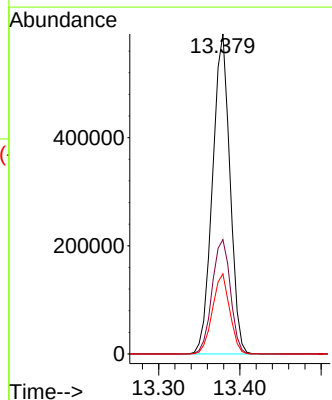
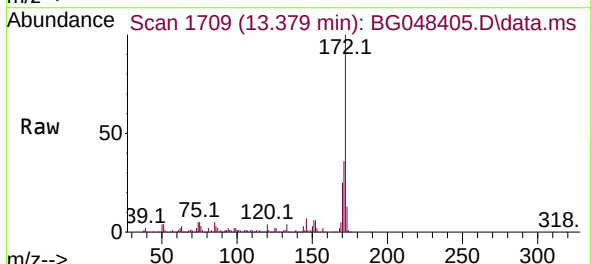
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

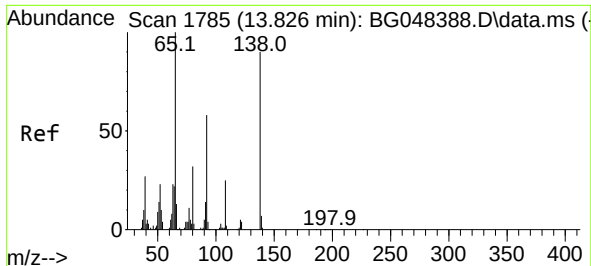
Tgt Ion:330 Resp: 283327
Ion Ratio Lower Upper
330 100
332 97.3 76.5 114.7
141 34.4 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 64.41 ng
RT: 13.379 min Scan# 1709
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:172 Resp: 881153
Ion Ratio Lower Upper
172 100
171 35.8 31.3 46.9
170 25.1 20.8 31.2

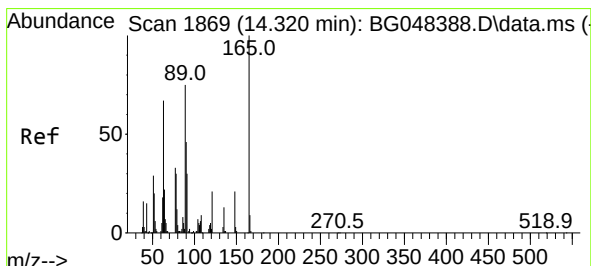
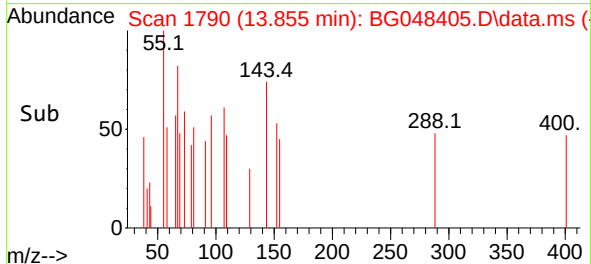
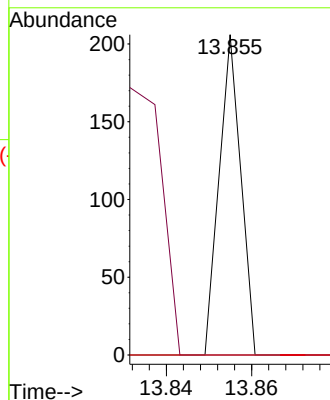
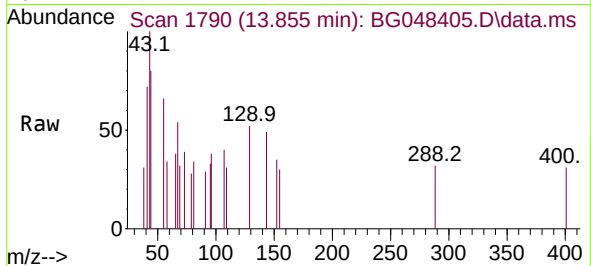




#48
2-Nitroaniline
Concen: 3.49 ng
RT: 13.855 min Scan# 1790
Delta R.T. 0.029 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

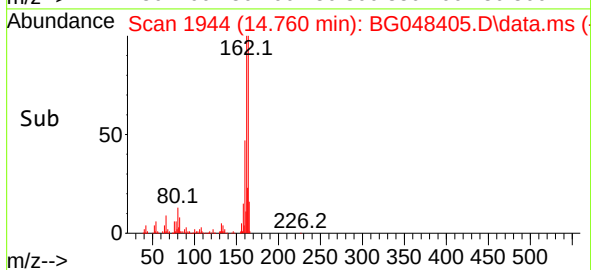
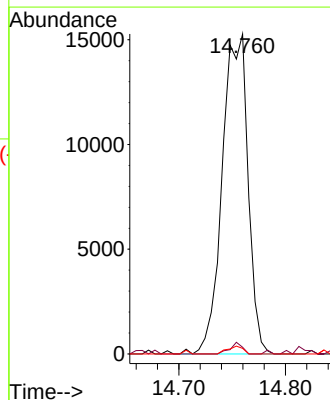
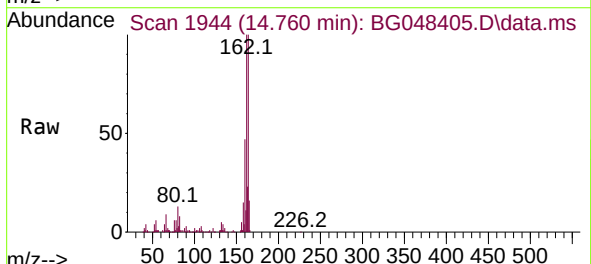
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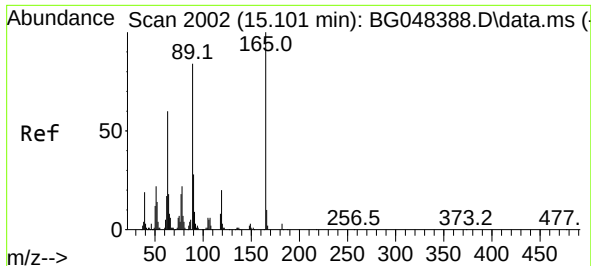
Tgt Ion: 65 Resp: 73
Ion Ratio Lower Upper
65 100
92 0.0 58.6 88.0#
138 0.0 98.2 147.4#



#51
2,6-Dinitrotoluene
Concen: 9.07 ng
RT: 14.760 min Scan# 1944
Delta R.T. 0.440 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:165 Resp: 25565
Ion Ratio Lower Upper
165 100
63 2.1 33.7 50.5#
89 1.8 36.6 54.8#

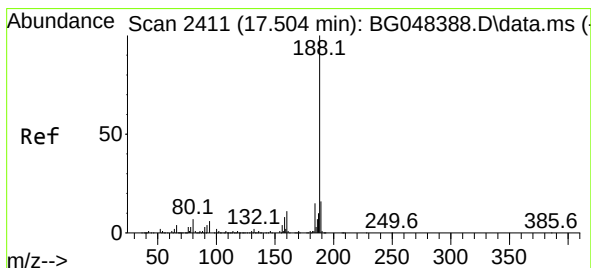
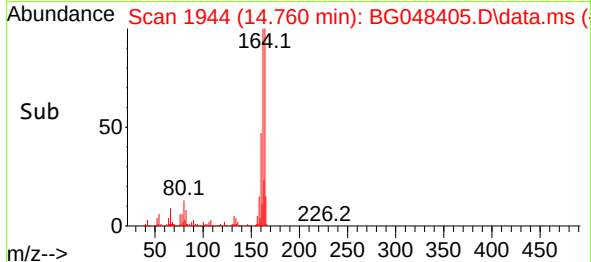
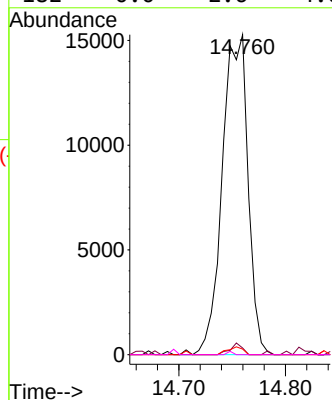
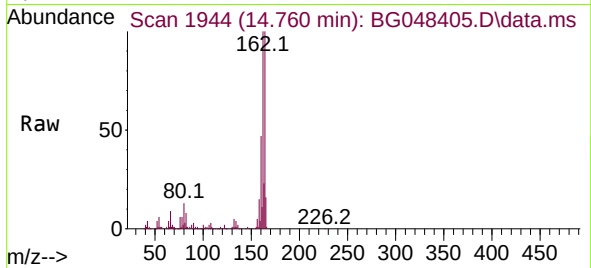




#57
2,4-Dinitrotoluene
Concen: 7.76 ng
RT: 14.760 min Scan# 1944
Delta R.T. -0.341 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

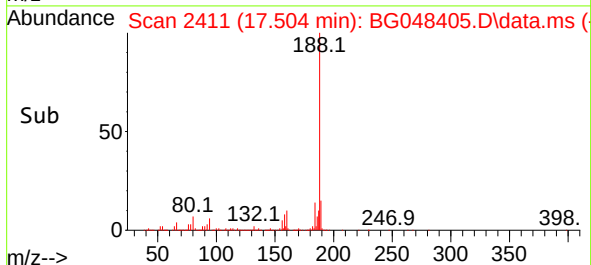
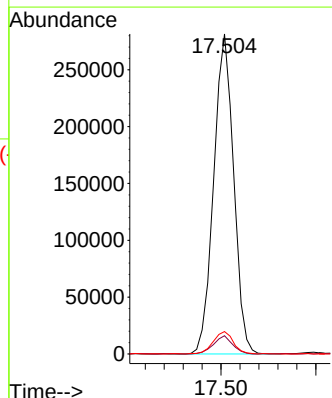
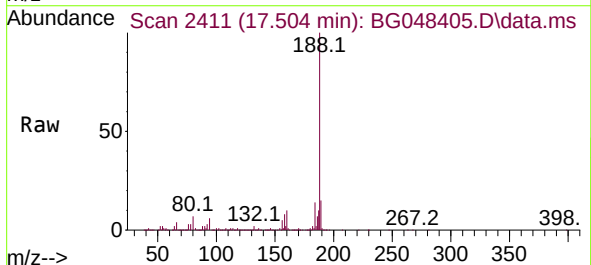
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

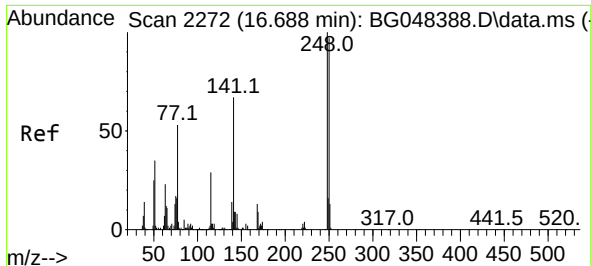
Tgt Ion:165	Resp:	25565
Ion Ratio	Lower	Upper
165	100	
63	2.1	26.4 39.6#
89	1.8	47.8 71.8#
182	0.0	2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.504 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:188	Resp:	411341
Ion Ratio	Lower	Upper
188	100	
94	5.7	6.3 9.5#
80	7.0	7.0 10.6#

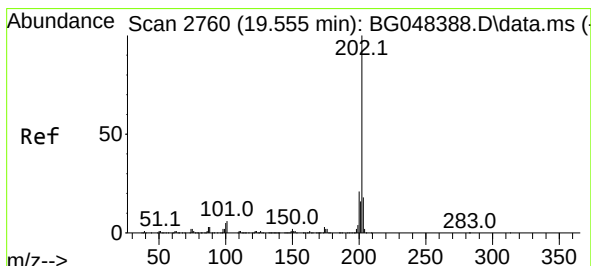
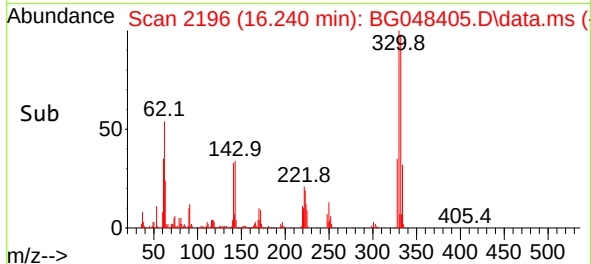
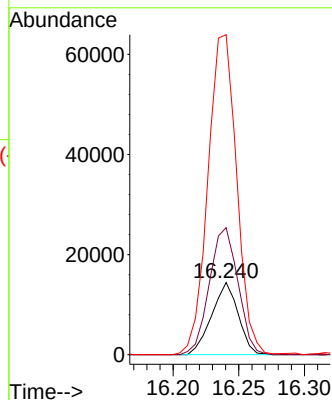
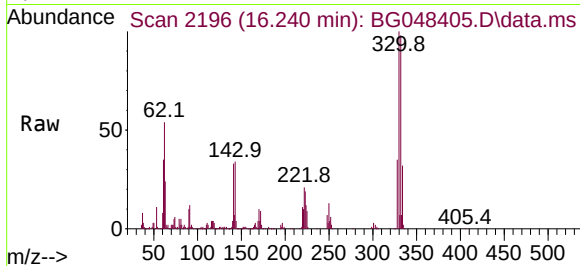




#67
4-Bromophenyl-phenylether
Concen: 4.10 ng
RT: 16.240 min Scan# 2196
Delta R.T. -0.447 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

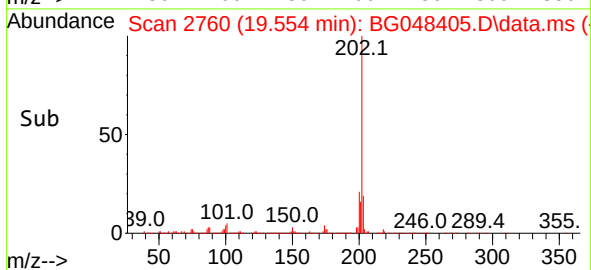
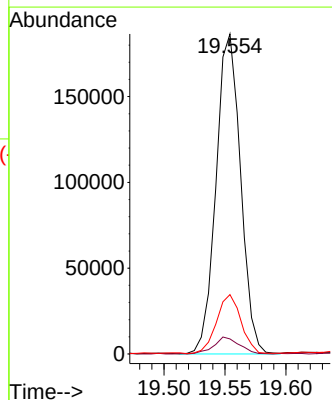
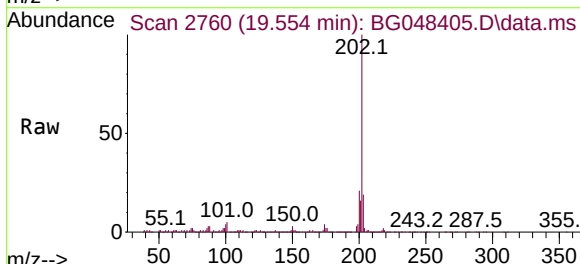
Instrument :
BNA_G
ClientSampled :
FK-GF-02-068-B

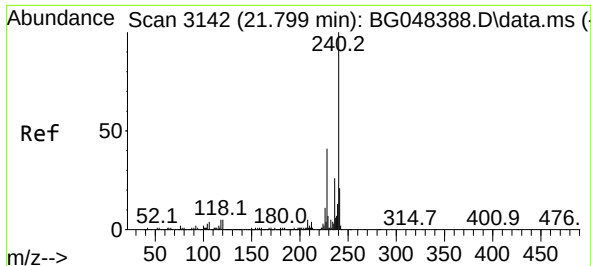
Tgt Ion	Ratio	Lower	Upper
248	100		
250	176.1	78.9	118.3#
141	443.5	46.2	69.4#



#75
Fluoranthene
Concen: 9.08 ng
RT: 19.554 min Scan# 2760
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.7	0.0	29.7
203	18.6	0.0	39.2

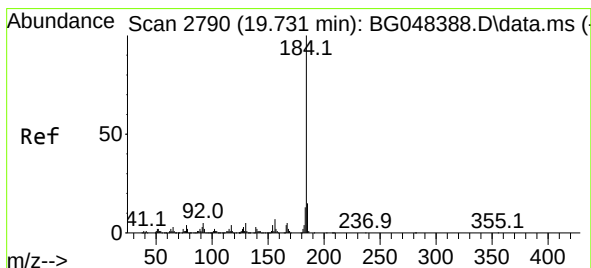
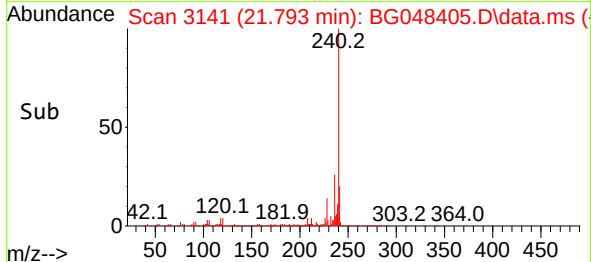
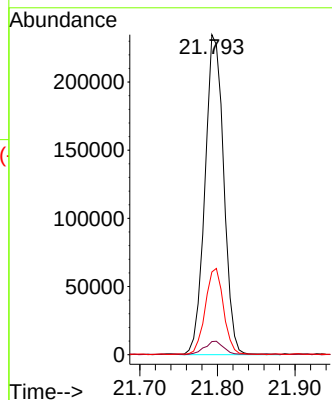
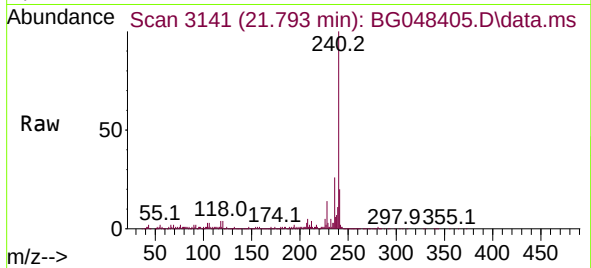




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.793 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

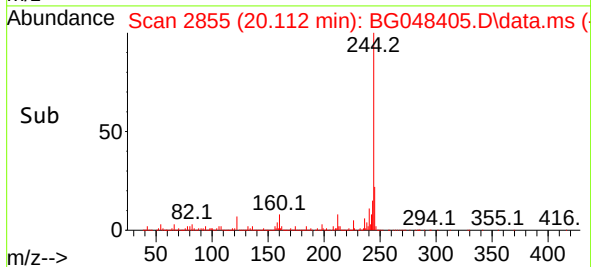
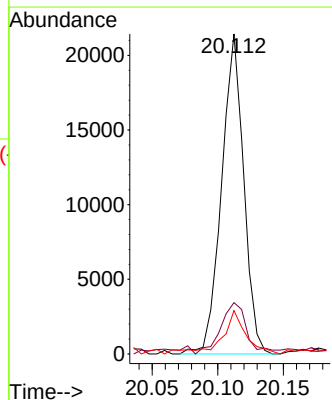
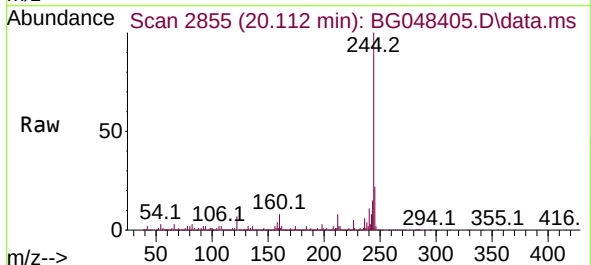
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

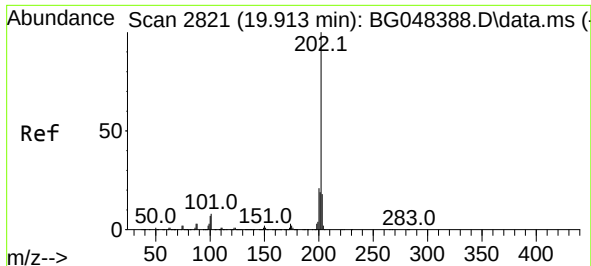
Tgt Ion:240 Resp: 393696
Ion Ratio Lower Upper
240 100
120 4.1 6.2 9.4#
236 25.9 20.5 30.7



#77
Benzidine
Concen: 2.46 ng
RT: 20.112 min Scan# 2855
Delta R.T. 0.381 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:184 Resp: 25099
Ion Ratio Lower Upper
184 100
185 16.1 12.4 18.6
183 13.6 10.6 15.8

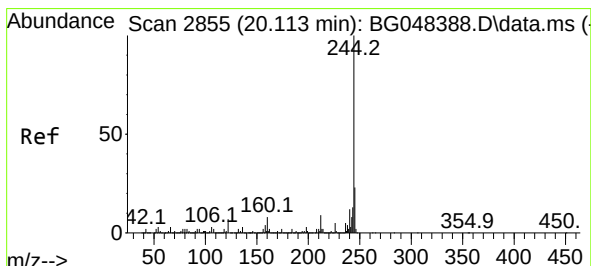
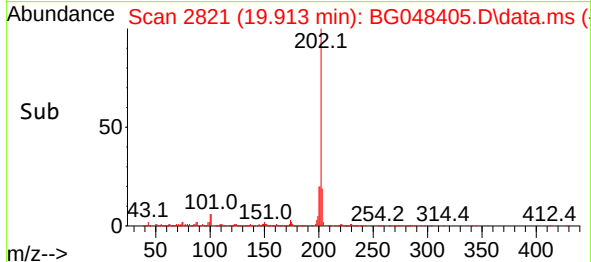
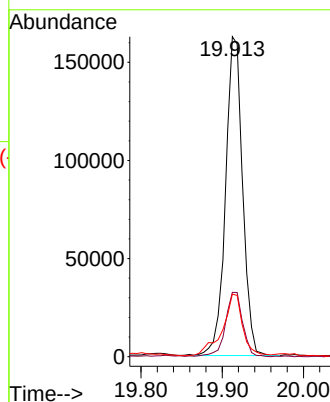
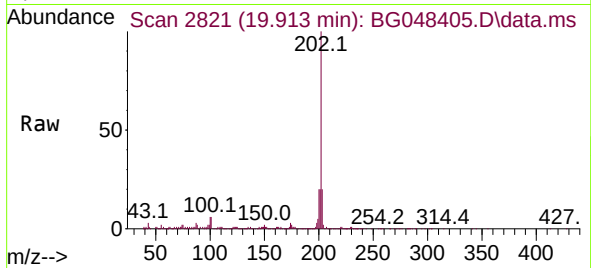




#78
Pyrene
Concen: 9.05 ng
RT: 19.913 min Scan# 2821
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

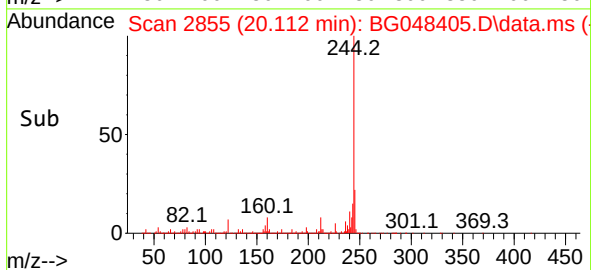
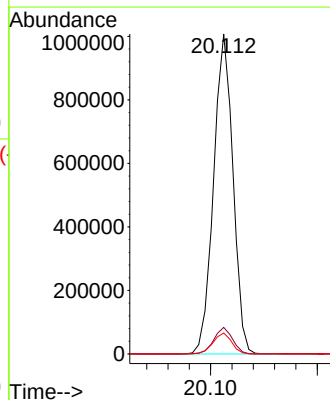
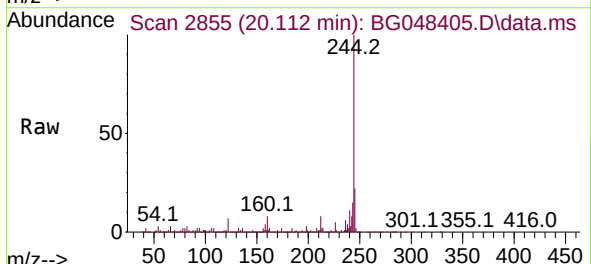
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

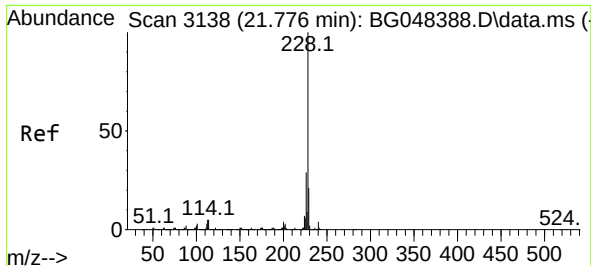
Tgt Ion:	202	Resp:	237243
Ion Ratio	Lower	Upper	
202	100		
200	20.1	18.6	27.8
203	19.5	15.3	22.9



#79
Terphenyl-d14
Concen: 62.47 ng
RT: 20.112 min Scan# 2855
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:	244	Resp:	1272622
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.7	10.1
122	6.5	7.8	11.6#

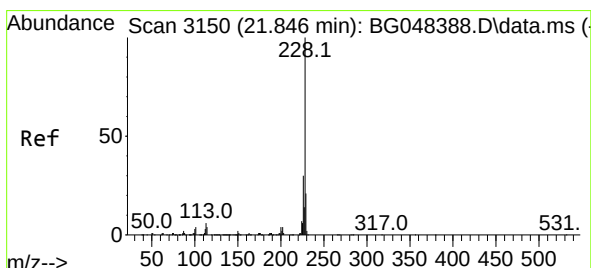
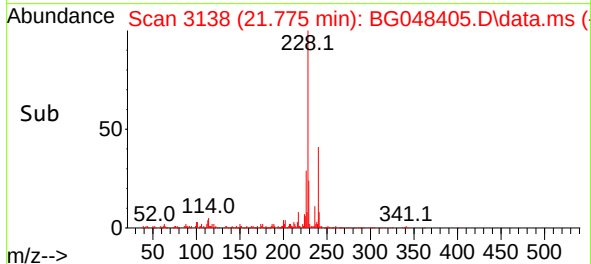
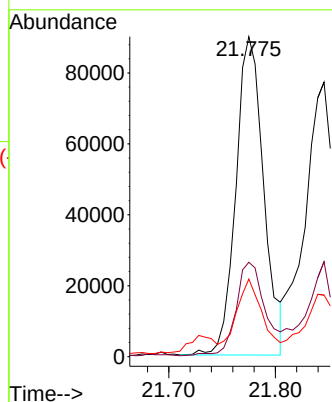
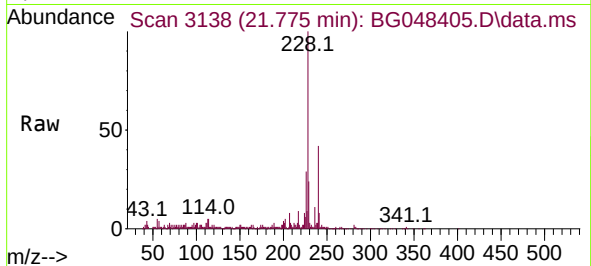




#81
Benzo(a)anthracene
Concen: 5.97 ng
RT: 21.775 min Scan# 3138
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

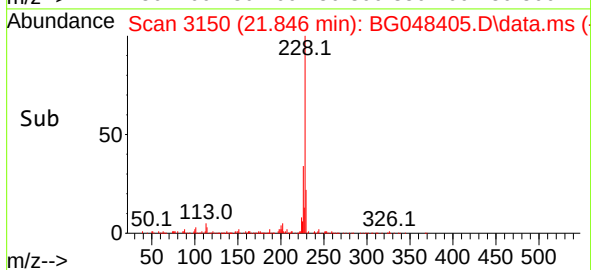
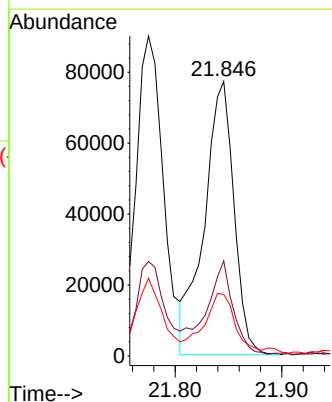
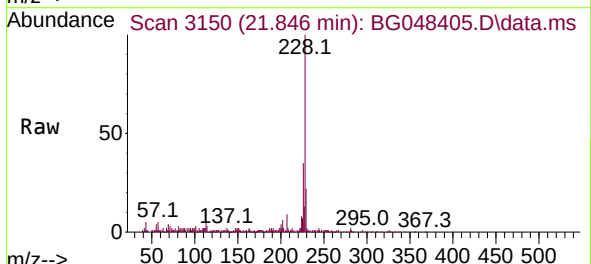
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

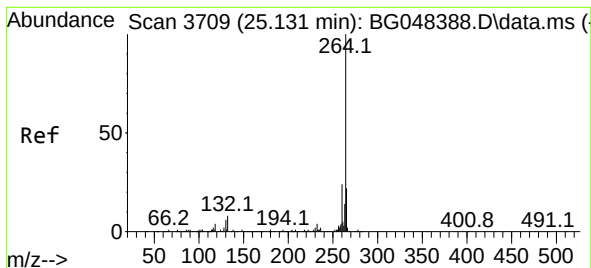
Tgt Ion:228	Resp: 162985
Ion Ratio	Lower Upper
228	100
226	29.5 23.3 34.9
229	24.2 17.4 26.0



#83
Chrysene
Concen: 5.73 ng
RT: 21.846 min Scan# 3150
Delta R.T. -0.001 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:228	Resp: 149155
Ion Ratio	Lower Upper
228	100
226	34.6 25.0 37.4
229	22.4 17.3 25.9

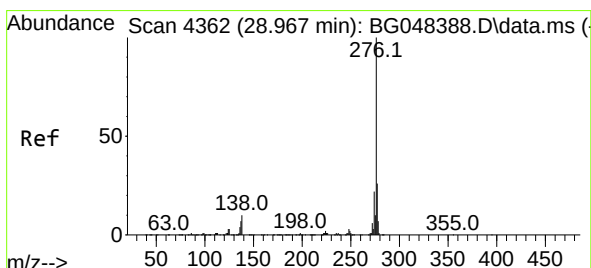
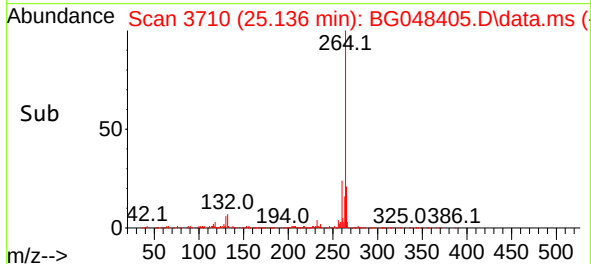
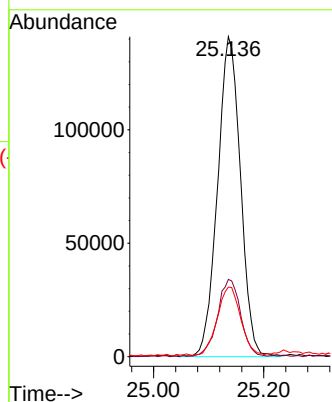
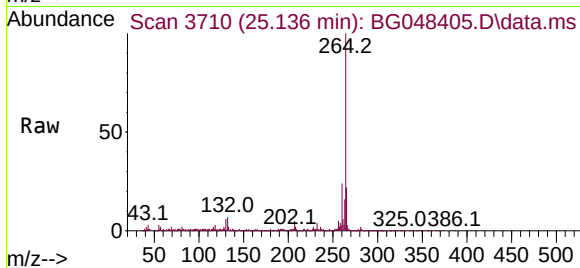




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.136 min Scan# 3710
 Delta R.T. 0.005 min
 Lab File: BG048405.D
 Acq: 17 Mar 2021 19:49

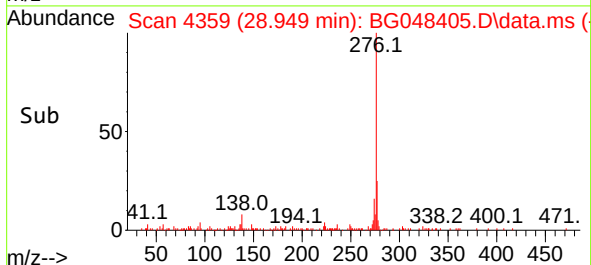
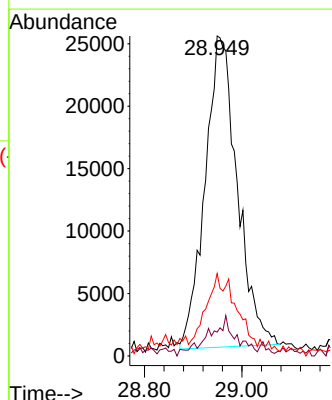
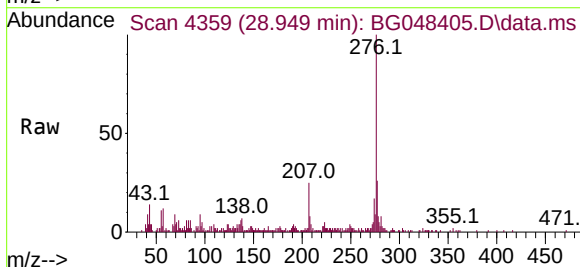
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-068-B

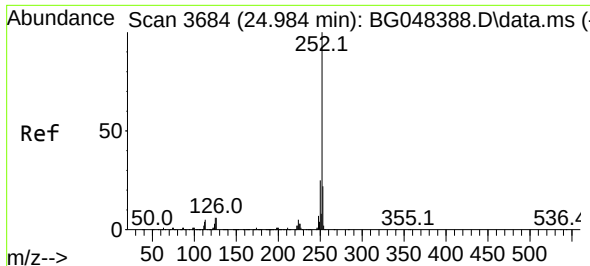
Tgt Ion:264 Resp: 407741
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 21.8 17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.65 ng
 RT: 28.949 min Scan# 4359
 Delta R.T. -0.018 min
 Lab File: BG048405.D
 Acq: 17 Mar 2021 19:49

Tgt Ion:276 Resp: 114328
 Ion Ratio Lower Upper
 276 100
 138 5.0 16.2 24.2#
 277 11.0 20.3 30.5#

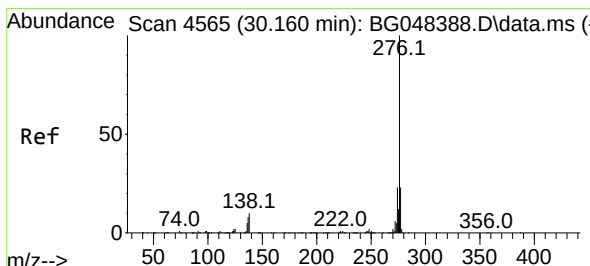
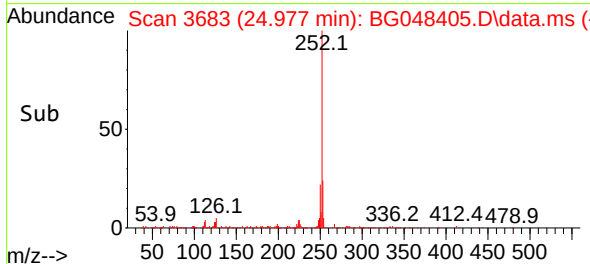
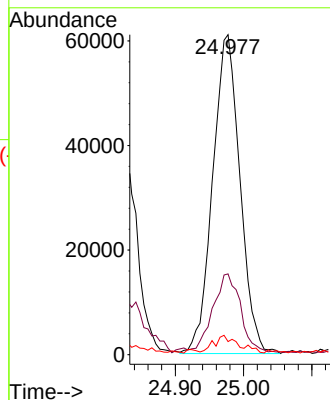
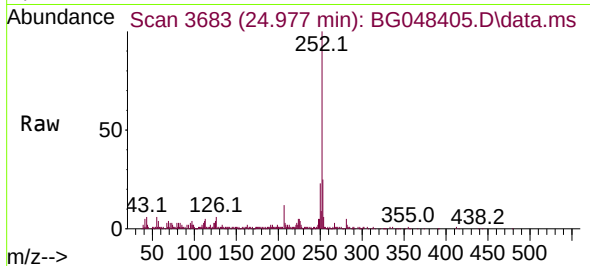




#90
Benzo(a)pyrene
Concen: 6.48 ng
RT: 24.977 min Scan# 3683
Delta R.T. -0.007 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-B

Tgt Ion:252 Resp: 169768
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 4.1 7.0 10.4#



#92
Benzo(g,h,i)perylene
Concen: 4.18 ng
RT: 30.142 min Scan# 4562
Delta R.T. -0.018 min
Lab File: BG048405.D
Acq: 17 Mar 2021 19:49

Tgt Ion:276 Resp: 108199
Ion Ratio Lower Upper
276 100
277 24.2 19.6 29.4
138 7.0 13.4 20.2#

