

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
 Data File : BG050658.D
 Acq On : 20 Oct 2021 23:40
 Operator : CG/JU
 Sample : M4271-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-101821

Quant Time: Oct 21 03:19:16 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

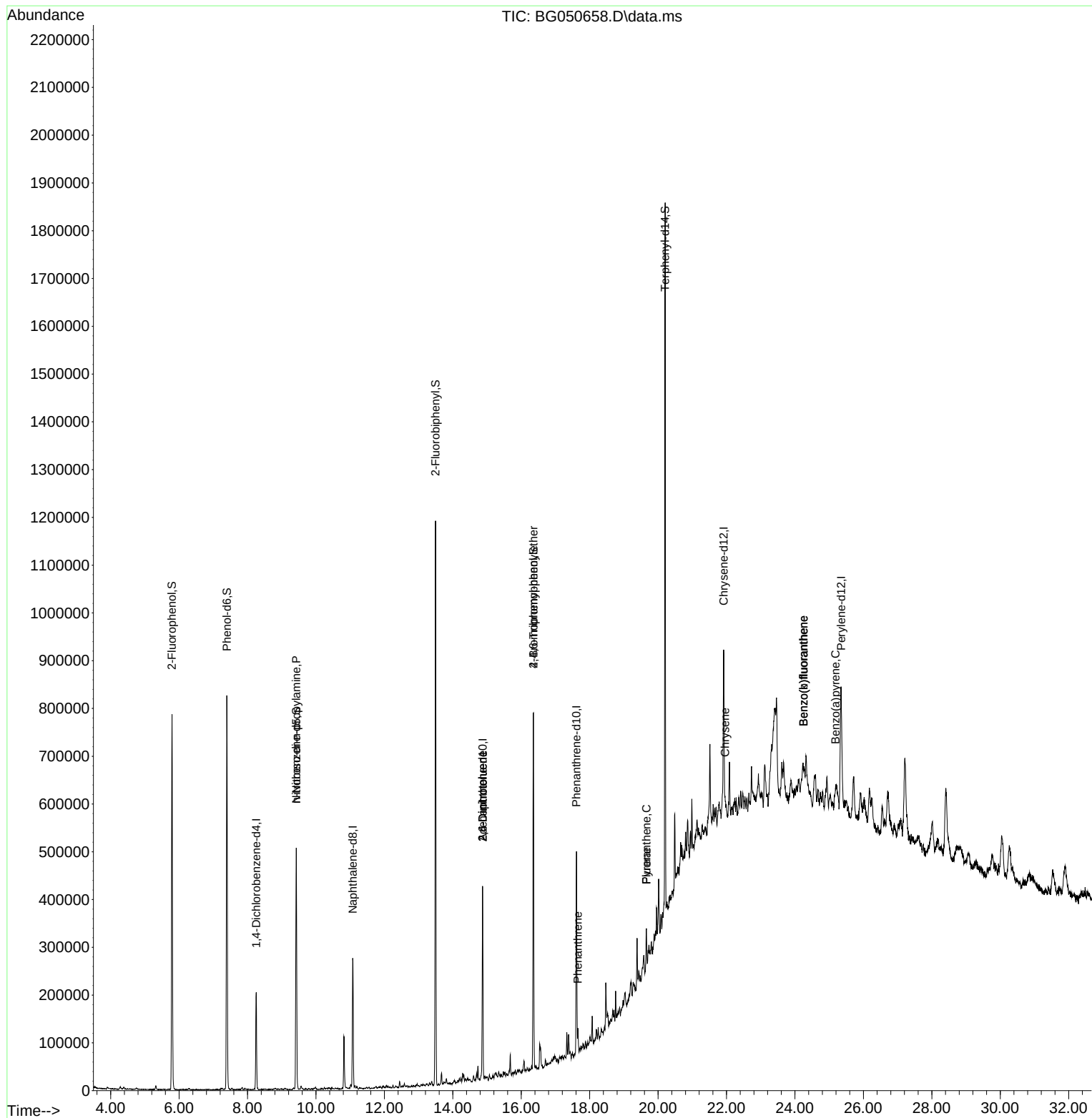
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.255	152	54062	20.000	ng	0.00
21) Naphthalene-d8	11.075	136	226513	20.000	ng	# 0.00
39) Acenaphthene-d10	14.870	164	135764	20.000	ng	0.00
64) Phenanthrene-d10	17.614	188	253347	20.000	ng	# 0.00
76) Chrysene-d12	21.915	240	214473	20.000	ng	# 0.00
86) Perylene-d12	25.352	264	197419	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	348079	96.290	ng	0.00
7) Phenol-d6	7.397	99	465491	88.941	ng	0.00
23) Nitrobenzene-d5	9.424	82	332222	60.714	ng	0.00
42) 2,4,6-Tribromophenol	16.357	330	112303	86.724	ng	0.00
45) 2-Fluorobiphenyl	13.495	172	572493	63.465	ng	0.00
79) Terphenyl-d14	20.205	244	667232	60.628	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.397	77	1279	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	9.424	70	47994	12.581	ng	# 69
51) 2,6-Dinitrotoluene	14.870	165	18944	9.217	ng	# 13
57) 2,4-Dinitrotoluene	14.870	165	18944	6.539	ng	# 18
67) 4-Bromophenyl-phenylether	16.357	248	9201	3.604	ng	# 1
71) Phenanthrene	17.655	178	28290	2.119	ng	97
75) Fluoranthene	19.659	202	49951	3.044	ng	95
78) Pyrene	19.659	202	49951	3.283	ng	98
83) Chrysene	21.962	228	37449	2.805	ng	# 64
88) Benzo(b)fluoranthene	24.248	252	33520	2.772	ng	# 1
89) Benzo(k)fluoranthene	24.248	252	33520	2.818	ng	# 1
90) Benzo(a)pyrene	25.182	252	25183	2.450	ng	# 30

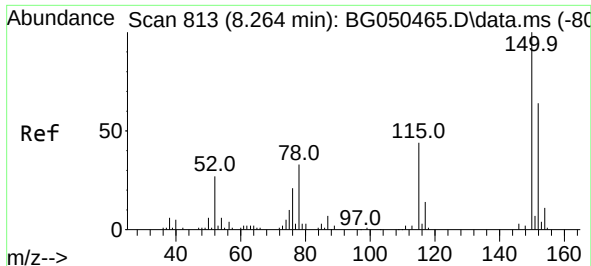
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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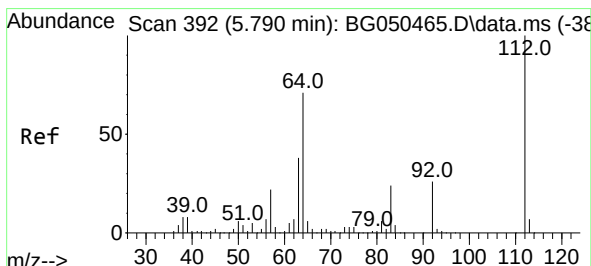
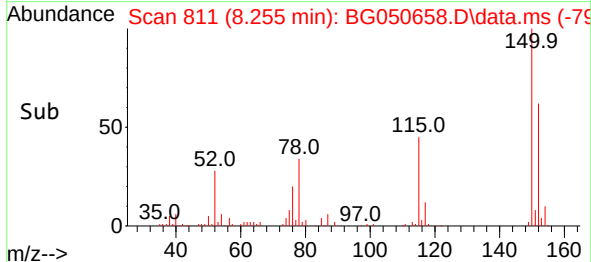
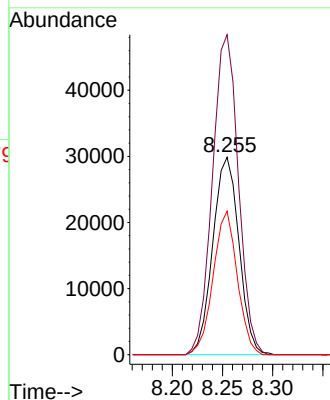
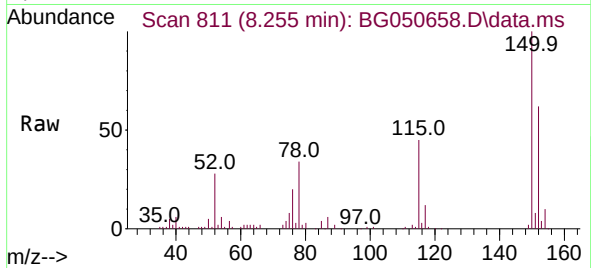




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.255 min Scan# 811
Delta R.T. -0.003 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

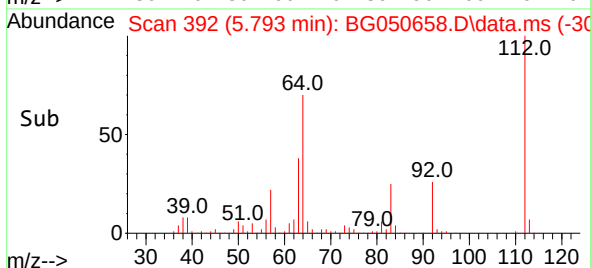
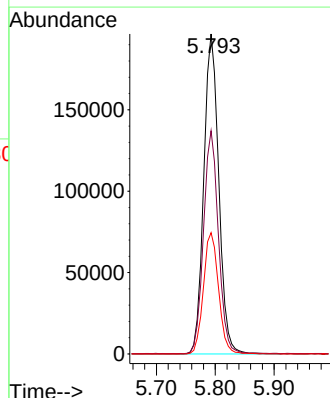
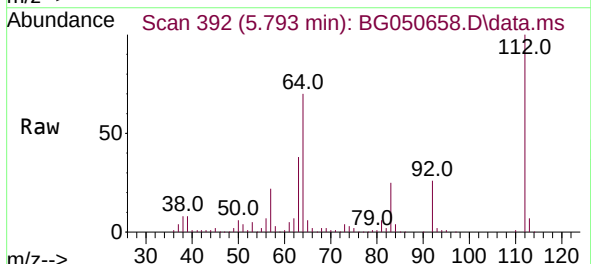
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

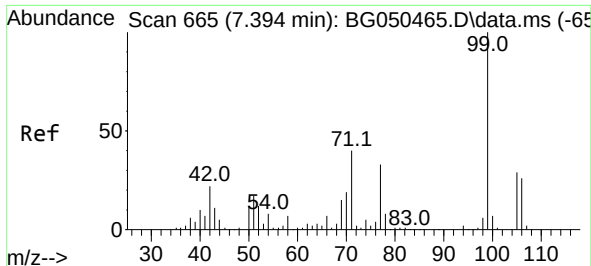
Tgt Ion:152 Resp: 54062
Ion Ratio Lower Upper
152 100
150 162.1 119.4 179.0
115 72.7 60.2 90.4



#5
2-Fluorophenol
Concen: 96.290 ng
RT: 5.793 min Scan# 392
Delta R.T. 0.002 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:112 Resp: 348079
Ion Ratio Lower Upper
112 100
64 69.8 46.7 70.1
63 37.9 35.3 52.9

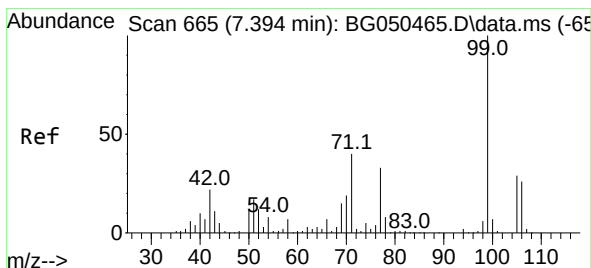
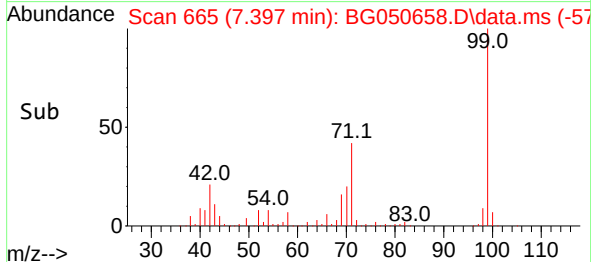
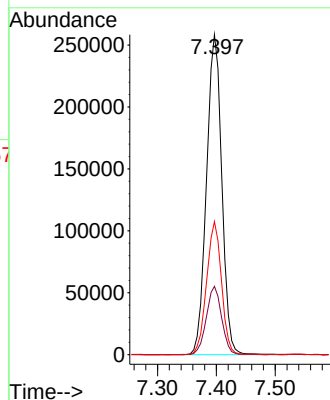
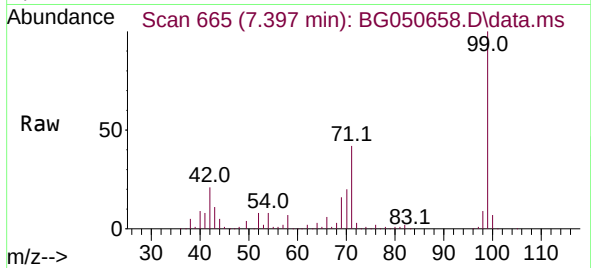




#7
Phenol-d6
Concen: 88.941 ng
RT: 7.397 min Scan# 665
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

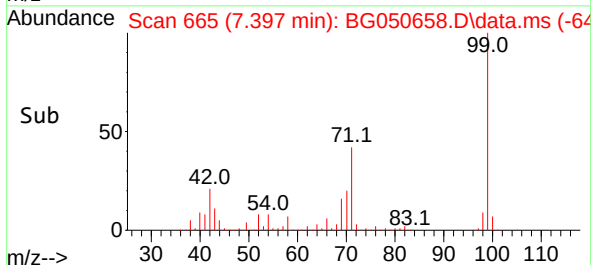
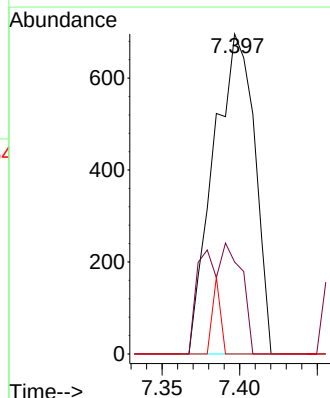
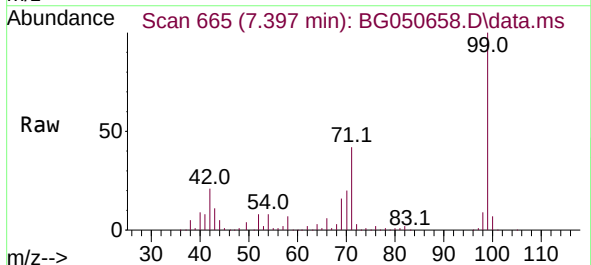
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

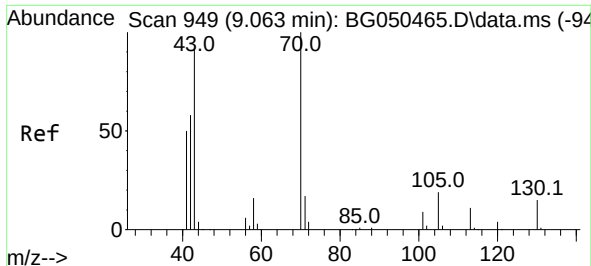
Tgt Ion: 99 Resp: 465491
Ion Ratio Lower Upper
99 100
42 21.3 20.5 30.7
71 41.6 41.5 62.3



#9
Benzaldehyde
Concen: Below Cal
RT: 7.397 min Scan# 665
Delta R.T. 0.008 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion: 77 Resp: 1279
Ion Ratio Lower Upper
77 100
105 28.7 68.8 108.8#
106 0.0 47.9 87.9#

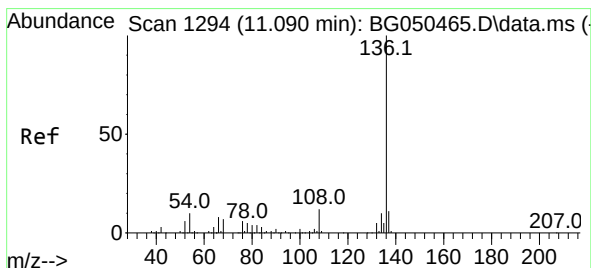
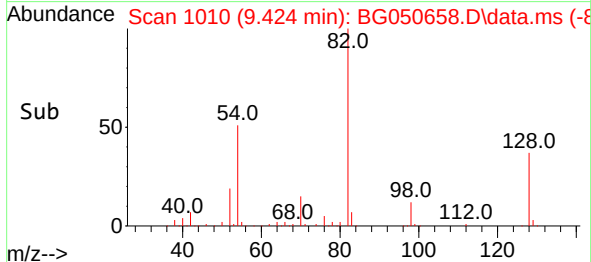
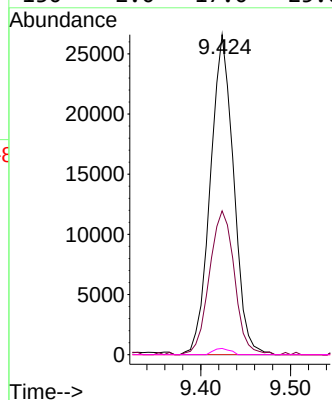
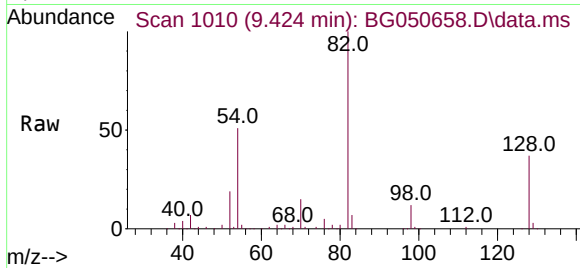




#19
n-Nitroso-di-n-propylamine
Concen: 12.581 ng
RT: 9.424 min Scan# 1010
Delta R.T. 0.366 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

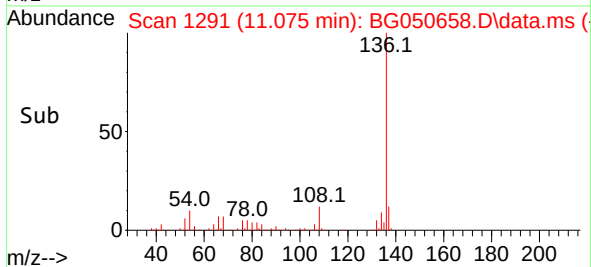
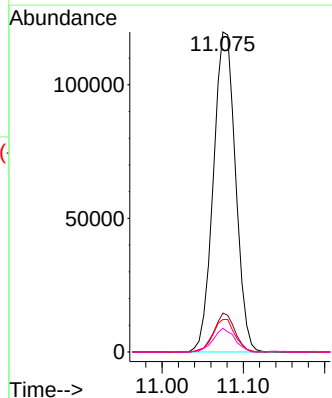
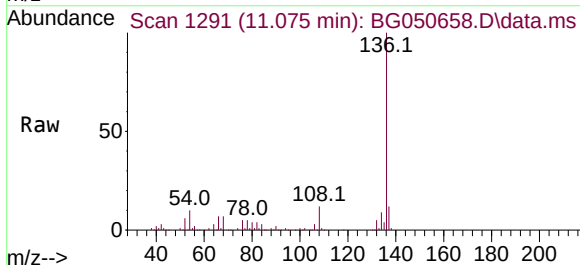
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

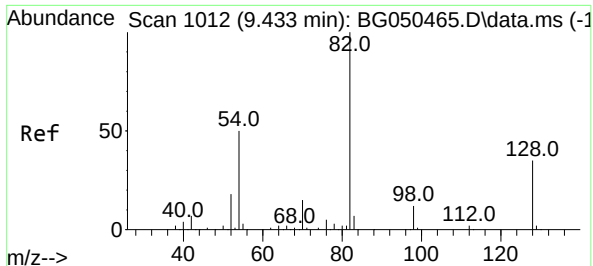
Tgt Ion:	70	Resp:	47994
Ion	Ratio	Lower	Upper
70	100		
42	45.0	54.5	81.7#
101	0.0	9.0	13.6#
130	2.0	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.075 min Scan# 1291
Delta R.T. -0.010 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:	136	Resp:	226513
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.2	12.2
54	10.1	5.5	8.3#
68	7.4	2.3	3.5#

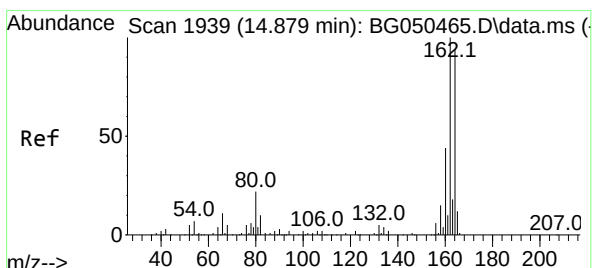
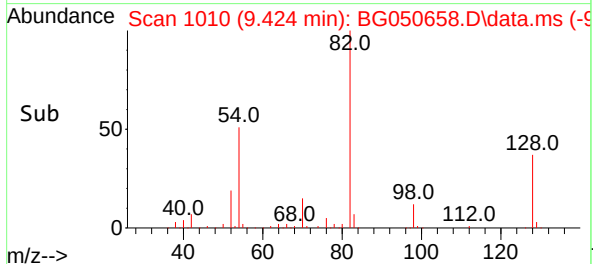
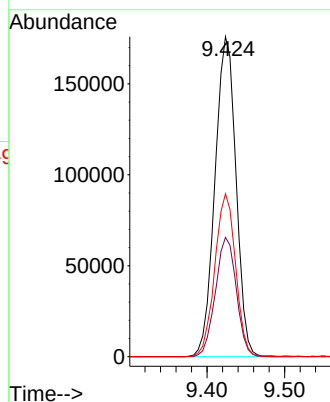
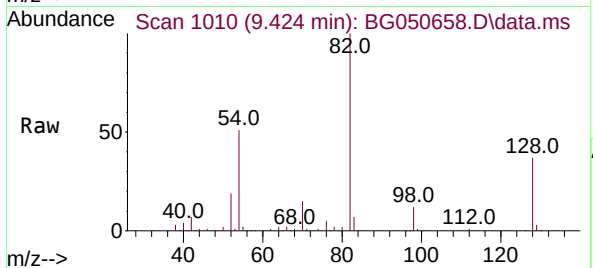




#23
Nitrobenzene-d5
Concen: 60.714 ng
RT: 9.424 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

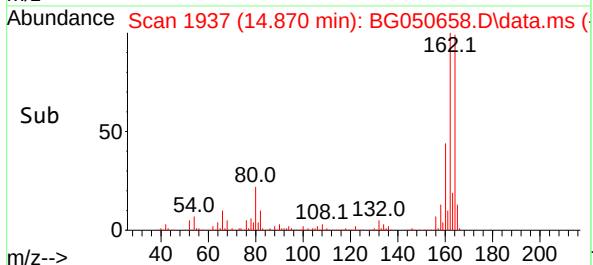
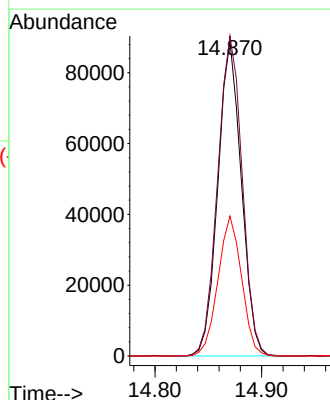
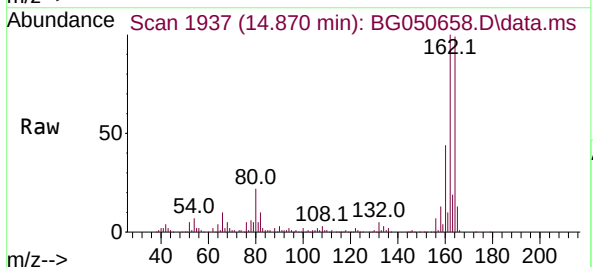
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

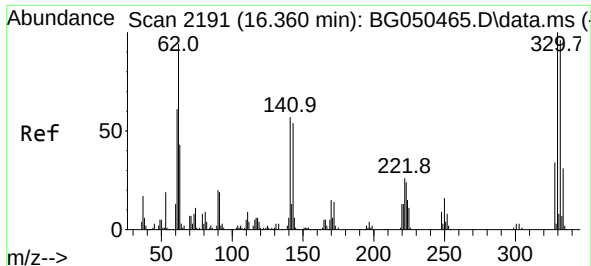
Tgt Ion: 82 Resp: 332222
Ion Ratio Lower Upper
82 100
128 37.3 29.8 44.6
54 50.9 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.870 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

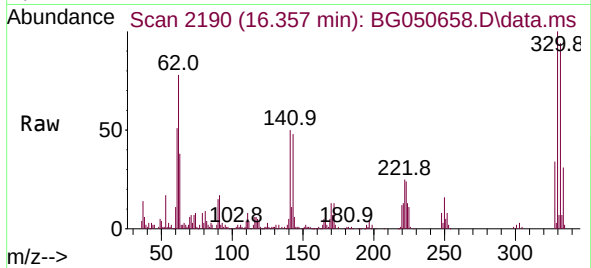
Tgt Ion:164 Resp: 135764
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 44.3 34.9 52.3



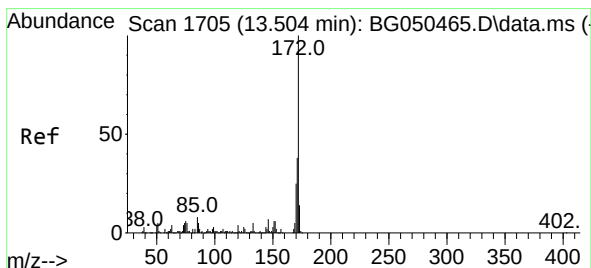
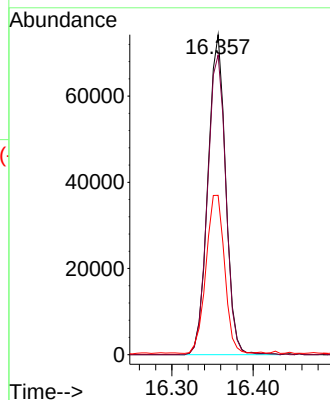
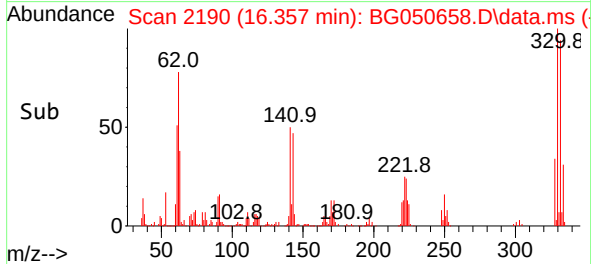


#42
2,4,6-Tribromophenol
Concen: 86.724 ng
RT: 16.357 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

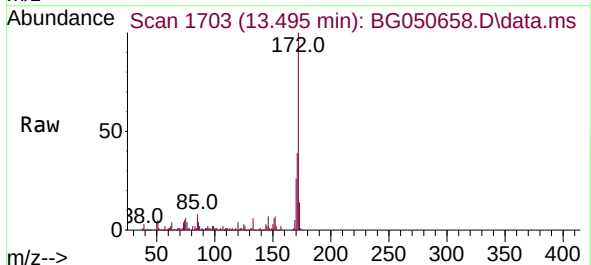
Instrument :
BNA_G
ClientSampleId :
OK-01-101821



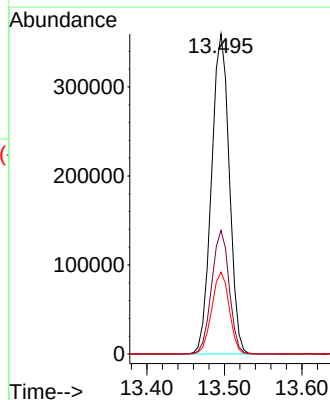
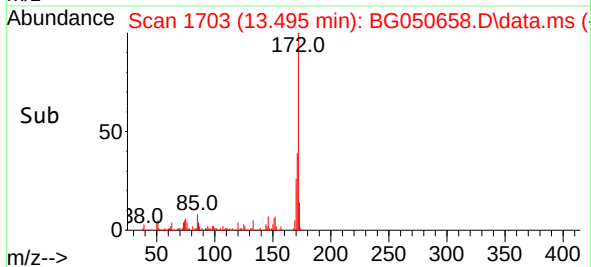
Tgt Ion:330 Resp: 112303
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 51.8 35.6 53.4

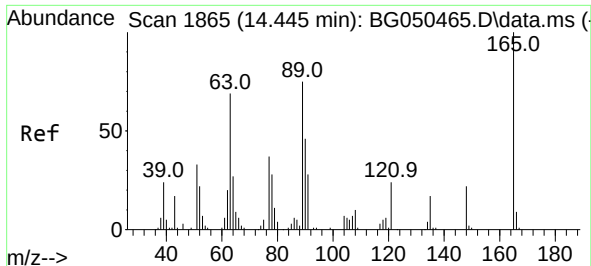


#45
2-Fluorobiphenyl
Concen: 63.465 ng
RT: 13.495 min Scan# 1703
Delta R.T. -0.010 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40



Tgt Ion:172 Resp: 572493
Ion Ratio Lower Upper
172 100
171 38.6 28.6 43.0
170 25.5 18.6 27.8

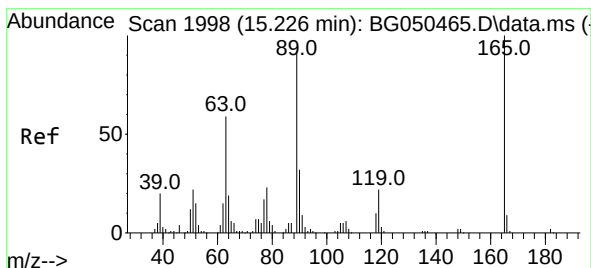
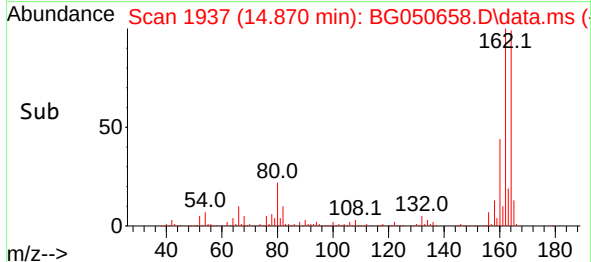
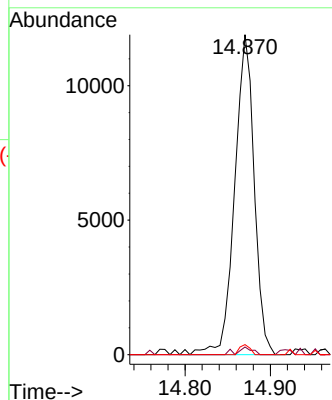
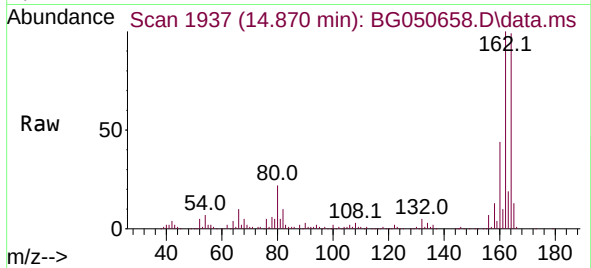




#51
2,6-Dinitrotoluene
Concen: 9.217 ng
RT: 14.870 min Scan# 1937
Delta R.T. 0.425 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

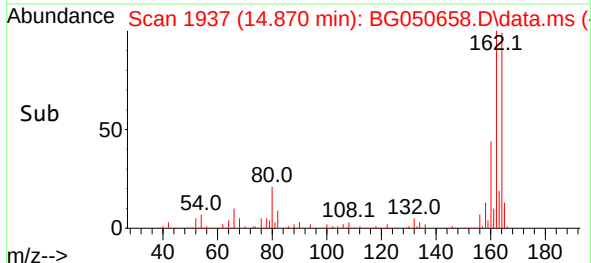
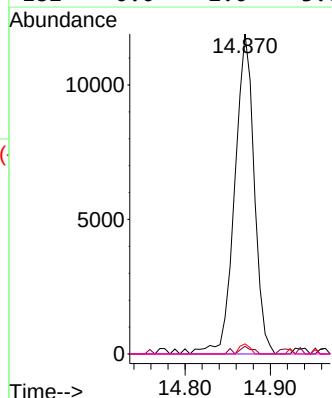
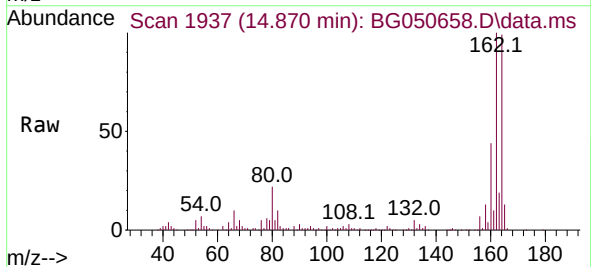
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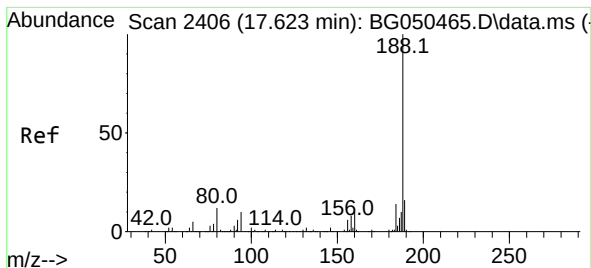
Tgt Ion:165 Resp: 18944
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 3.2 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.539 ng
RT: 14.870 min Scan# 1937
Delta R.T. -0.356 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:165 Resp: 18944
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 3.2 65.4 98.0#
182 0.0 2.0 3.0#

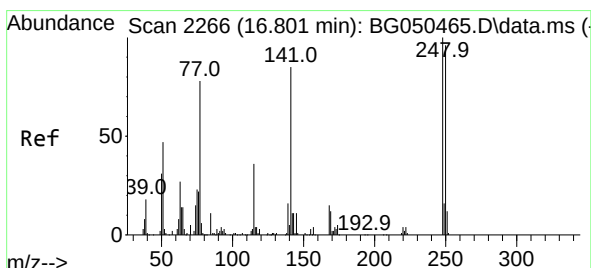
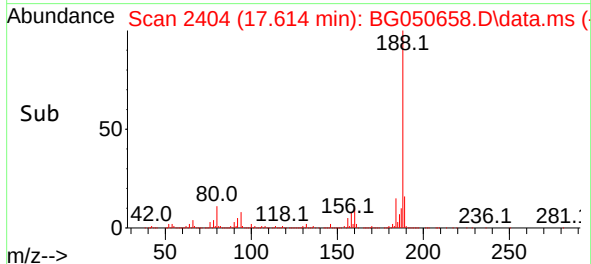
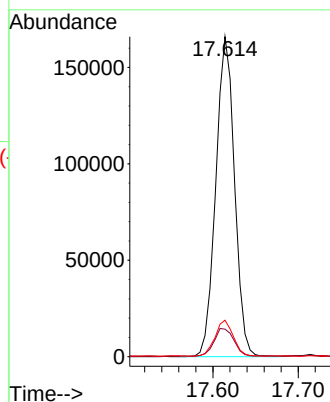
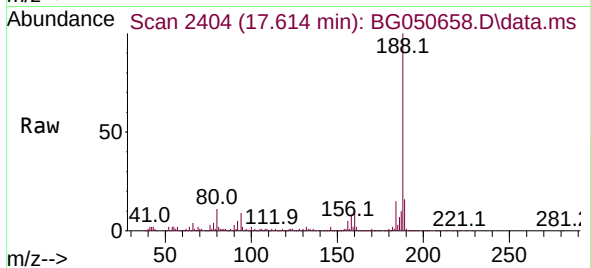




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.614 min Scan# 2404
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

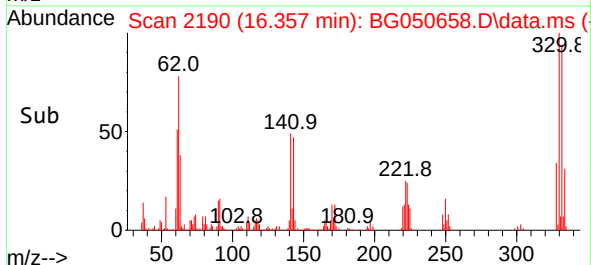
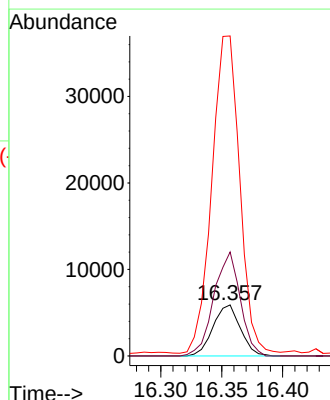
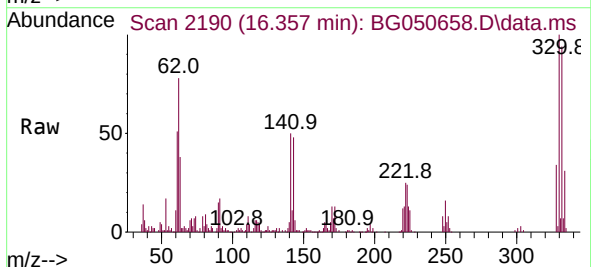
Instrument :
BNA_G
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OK-01-101821

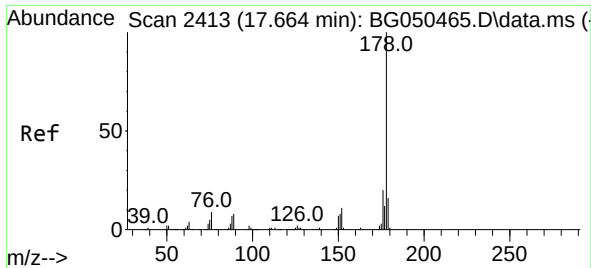
Tgt Ion:188 Resp: 253347
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 11.4 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.604 ng
RT: 16.357 min Scan# 2190
Delta R.T. -0.444 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:248 Resp: 9201
Ion Ratio Lower Upper
248 100
250 203.6 76.1 114.1#
141 626.8 65.4 98.2#

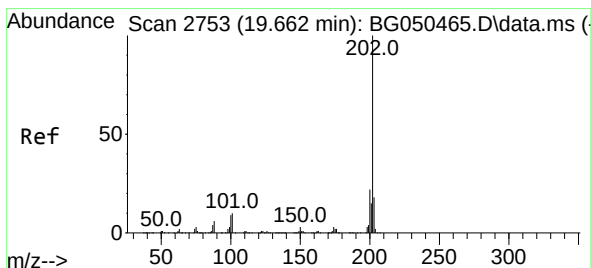
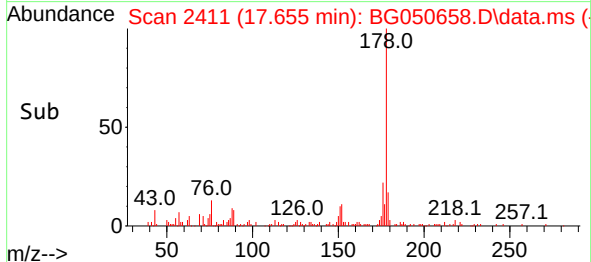
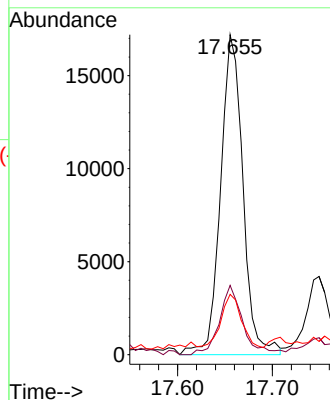
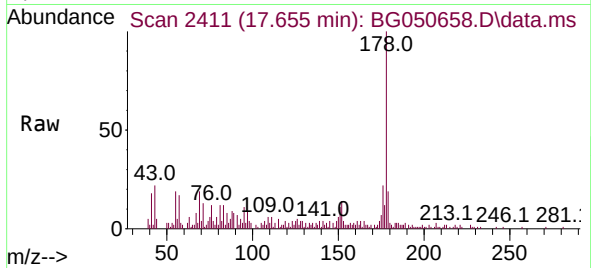




#71
Phenanthrene
Concen: 2.119 ng
RT: 17.655 min Scan# 2411
Delta R.T. -0.010 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

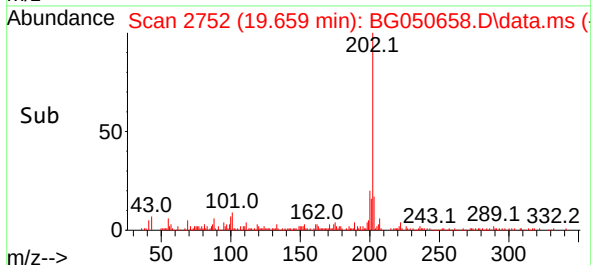
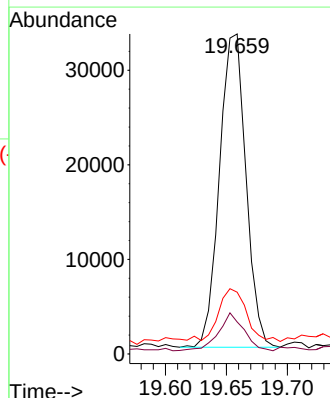
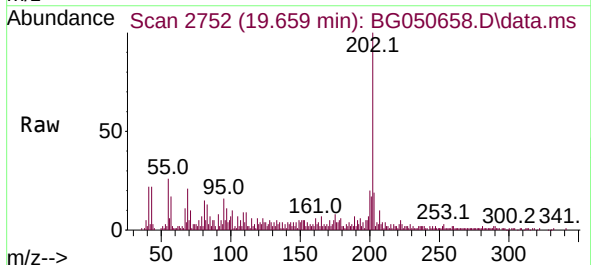
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

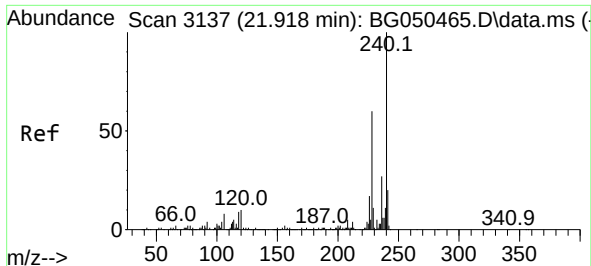
Tgt Ion:178	Resp:	28290
Ion Ratio	Lower	Upper
178	100	
176	21.7	16.0 24.0
179	18.9	14.2 21.4



#75
Fluoranthene
Concen: 3.044 ng
RT: 19.659 min Scan# 2752
Delta R.T. -0.004 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:202	Resp:	49951
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 24.7
203	19.3	0.0 38.5

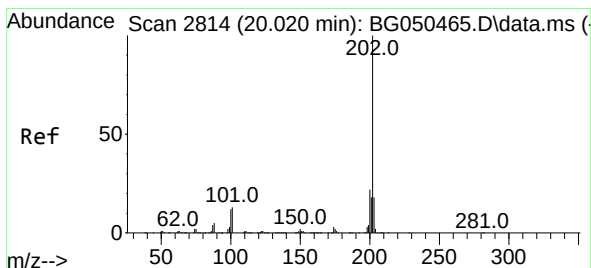
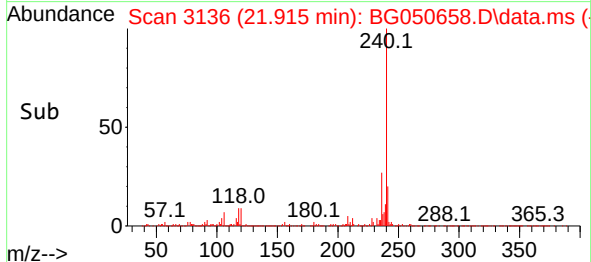
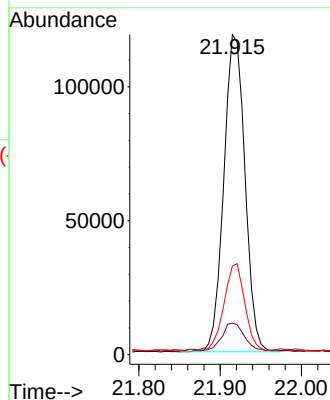
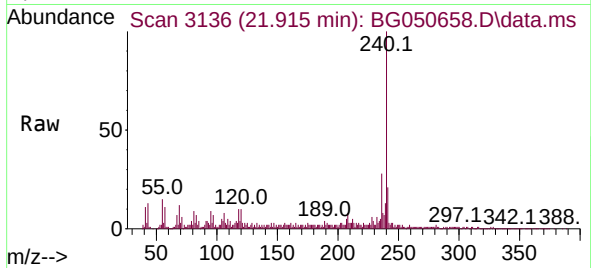




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3136
Delta R.T. -0.010 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

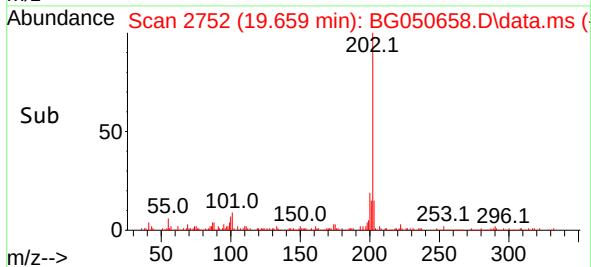
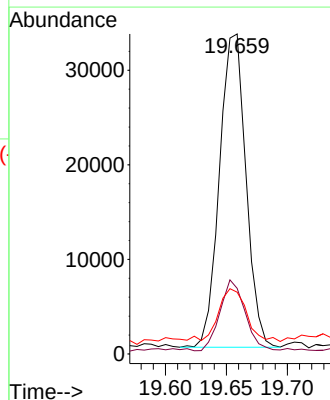
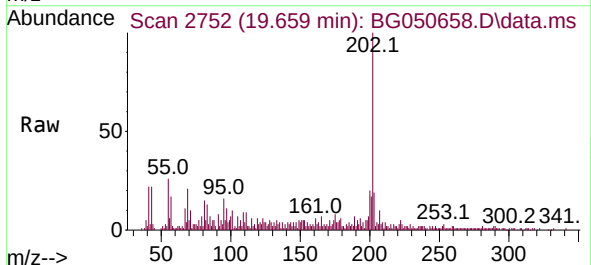
Instrument :
BNA_G
ClientSampleId :
OK-01-101821

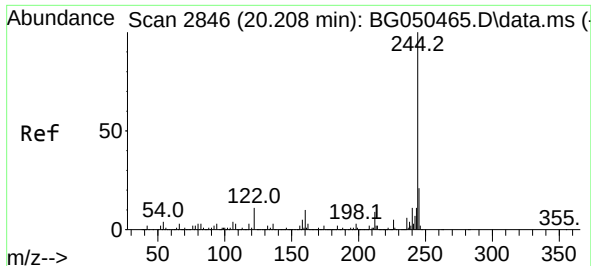
Tgt Ion:240 Resp: 214473
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 27.7 21.8 32.6



#78
Pyrene
Concen: 3.283 ng
RT: 19.659 min Scan# 2752
Delta R.T. -0.362 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:202 Resp: 49951
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.8
203 19.3 14.6 21.8

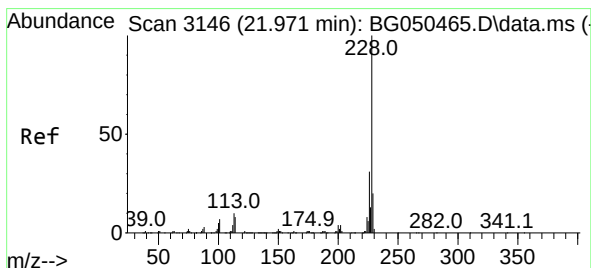
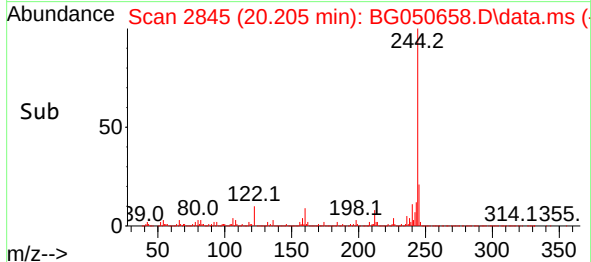
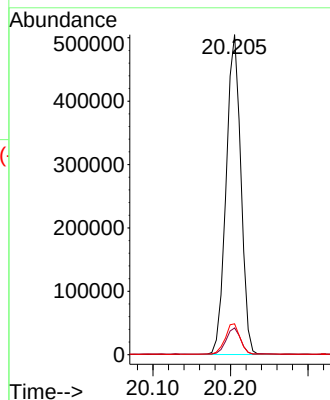
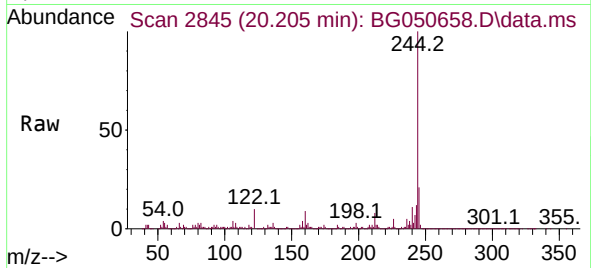




#79
 Terphenyl-d14
 Concen: 60.628 ng
 RT: 20.205 min Scan# 2845
 Delta R.T. -0.004 min
 Lab File: BG050658.D
 Acq: 20 Oct 2021 23:40

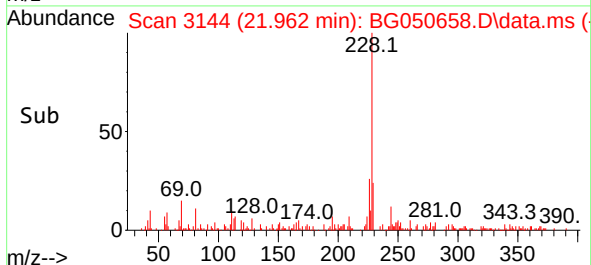
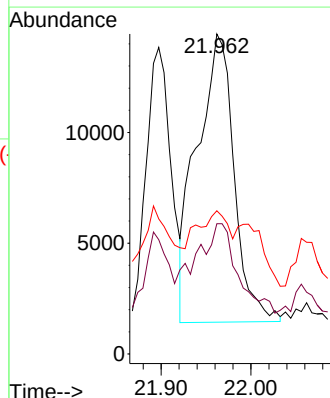
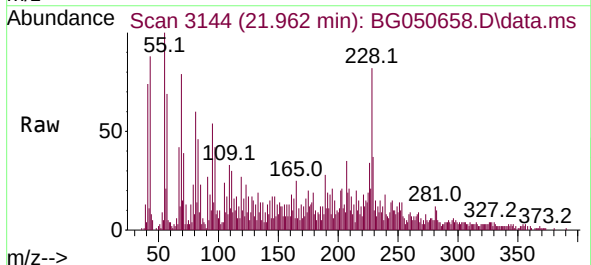
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-101821

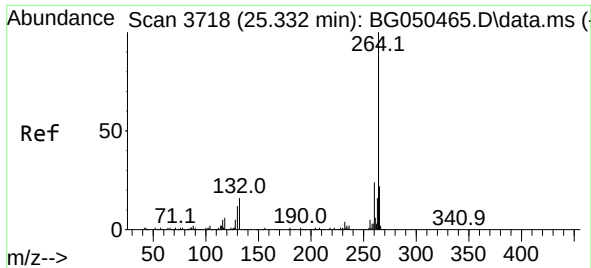
Tgt Ion:244 Resp: 667232
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 9.7 5.0 7.6#



#83
 Chrysene
 Concen: 2.805 ng
 RT: 21.962 min Scan# 3144
 Delta R.T. -0.010 min
 Lab File: BG050658.D
 Acq: 20 Oct 2021 23:40

Tgt Ion:228 Resp: 37449
 Ion Ratio Lower Upper
 228 100
 226 40.7 23.1 34.7#
 229 44.7 15.3 22.9#

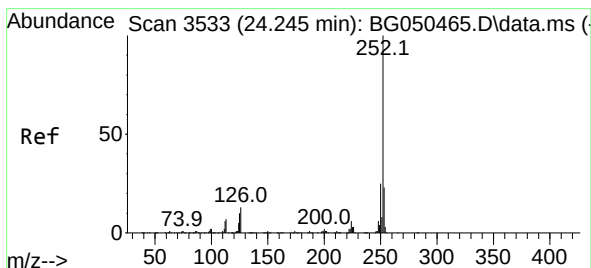
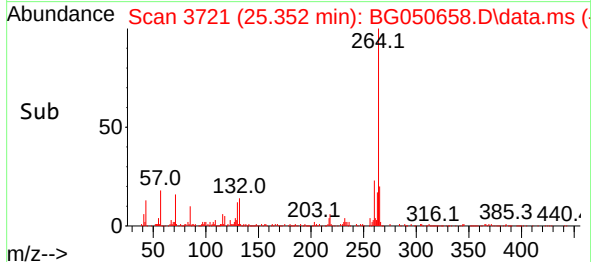
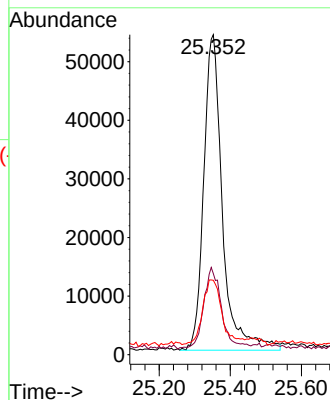
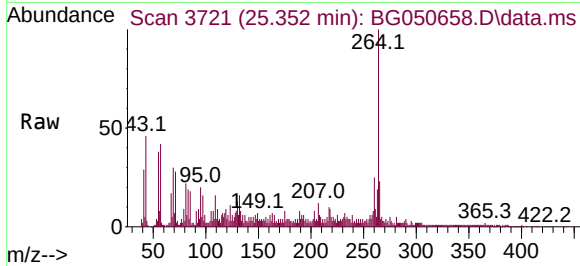




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.352 min Scan# 3721
 Delta R.T. 0.020 min
 Lab File: BG050658.D
 Acq: 20 Oct 2021 23:40

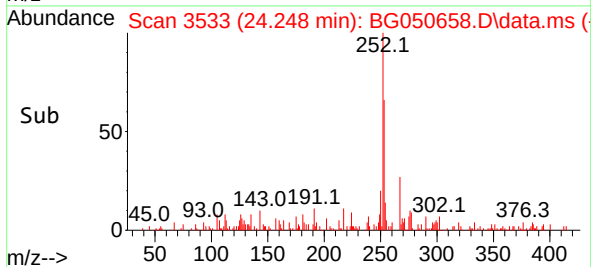
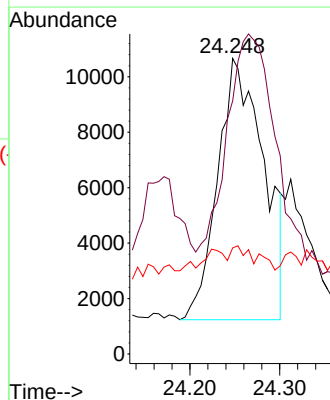
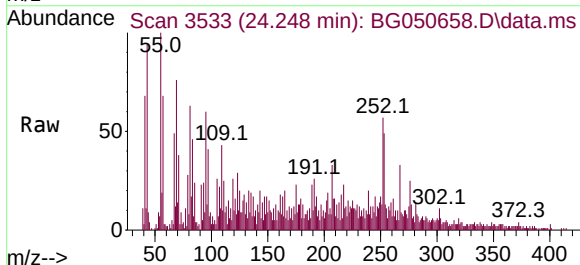
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-101821

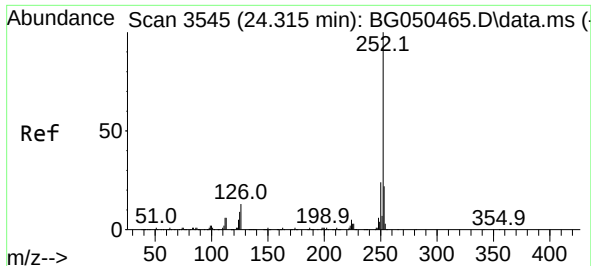
Tgt Ion:	264	Resp:	197419
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.4	29.2
265	23.2	16.9	25.3



#88
 Benzo(b)fluoranthene
 Concen: 2.772 ng
 RT: 24.248 min Scan# 3533
 Delta R.T. 0.002 min
 Lab File: BG050658.D
 Acq: 20 Oct 2021 23:40

Tgt Ion:	252	Resp:	33520
Ion Ratio	Lower	Upper	
252	100		
253	85.6	16.2	24.4#
125	35.9	3.0	4.4#

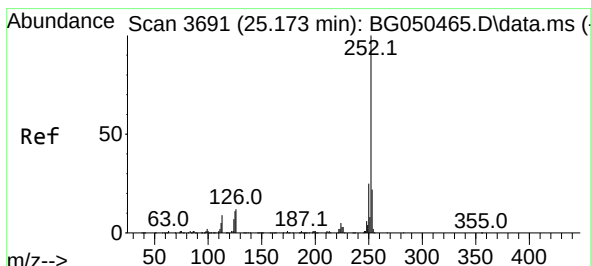
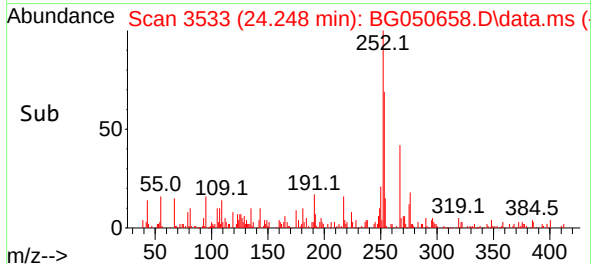
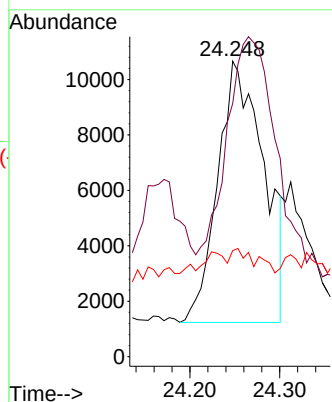
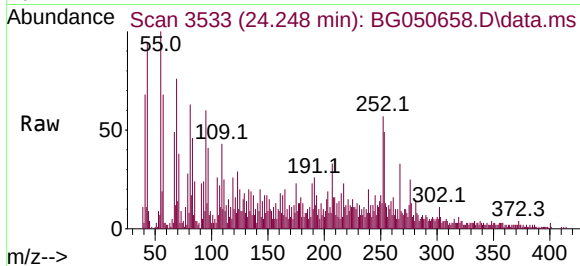




#89
Benzo(k)fluoranthene
Concen: 2.818 ng
RT: 24.248 min Scan# 3533
Delta R.T. -0.068 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Instrument :
BNA_G
ClientSampleId :
OK-01-101821

Tgt Ion:252 Resp: 33520
Ion Ratio Lower Upper
252 100
253 85.6 18.0 27.0#
125 35.9 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.450 ng
RT: 25.182 min Scan# 3692
Delta R.T. 0.008 min
Lab File: BG050658.D
Acq: 20 Oct 2021 23:40

Tgt Ion:252 Resp: 25183
Ion Ratio Lower Upper
252 100
253 49.6 16.6 25.0#
125 40.9 3.5 5.3#

