

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050695.D
 Acq On : 22 Oct 2021 18:57
 Operator : CG/JU
 Sample : M4294-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2-HS

Quant Time: Oct 23 01:45:06 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)

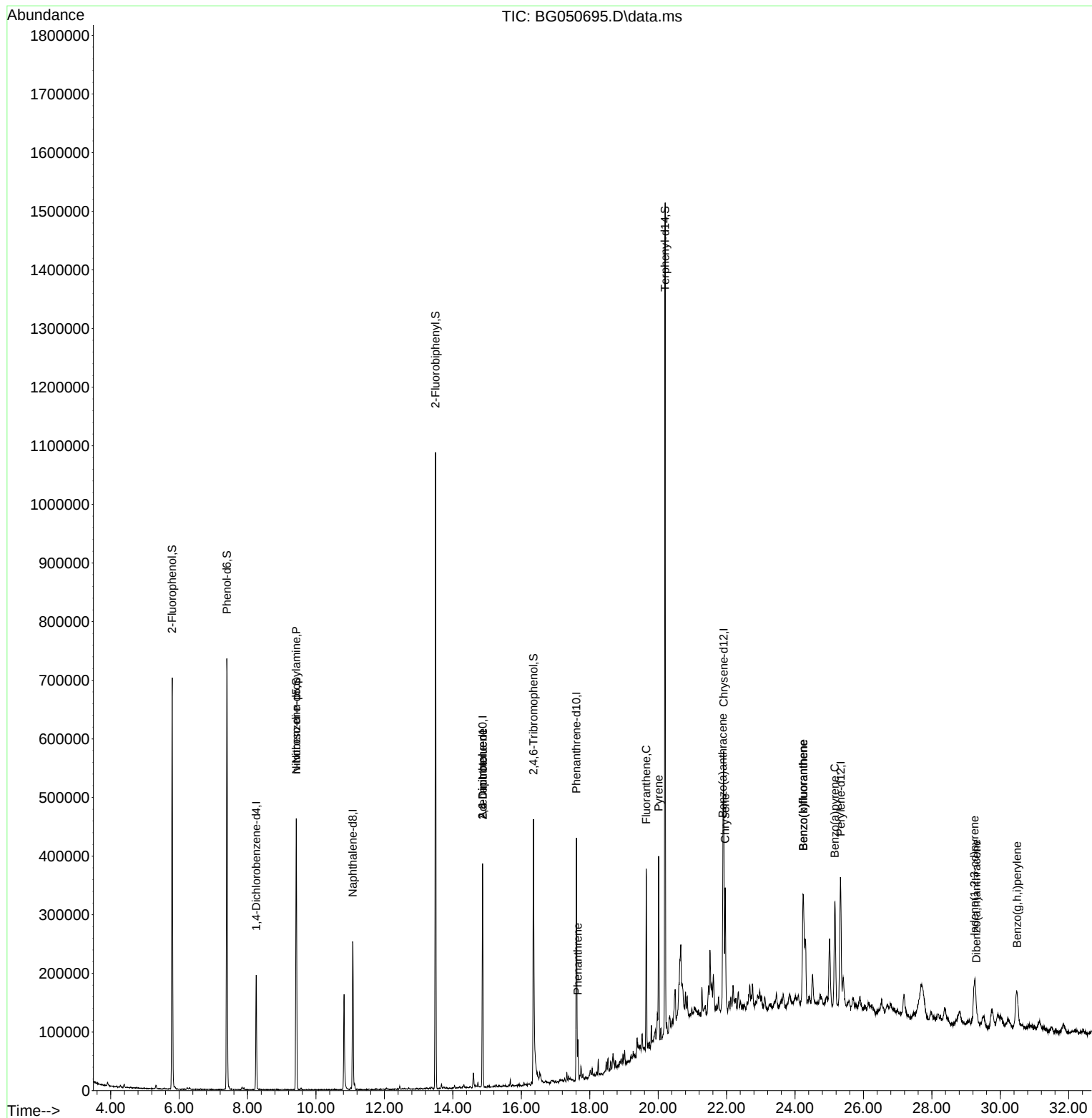
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	50395	20.000	ng	0.00
21) Naphthalene-d8	11.073	136	213550	20.000	ng	#-0.01
39) Acenaphthene-d10	14.868	164	132735	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	251591	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	207046	20.000	ng	#-0.01
86) Perylene-d12	25.332	264	208000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	312823	92.834	ng	0.00
7) Phenol-d6	7.395	99	421550	86.406	ng	0.00
23) Nitrobenzene-d5	9.422	82	299969	58.148	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	93953	74.209	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	524664	59.490	ng	-0.01
79) Terphenyl-d14	20.203	244	634861	59.756	ng	0.00
Target Compounds						
9) Benzaldehyde	7.401	77	1027	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.422	70	43001	12.093	ng	# 69
51) 2,6-Dinitrotoluene	14.868	165	17738	8.827	ng	# 12
57) 2,4-Dinitrotoluene	14.868	165	17738	6.262	ng	# 18
71) Phenanthrene	17.653	178	40980	3.091	ng	97
75) Fluoranthene	19.651	202	193667	11.883	ng	96
78) Pyrene	20.015	202	198498	13.513	ng	98
81) Benzo(a)anthracene	21.889	228	141477	10.327	ng	99
83) Chrysene	21.960	228	143421	11.129	ng	95
87) Indeno(1,2,3-cd)pyrene	29.246	276	148210	10.230	ng	# 96
88) Benzo(b)fluoranthene	24.240	252	250336	19.652	ng	# 89
89) Benzo(k)fluoranthene	24.240	252	250336	19.976	ng	# 93
90) Benzo(a)pyrene	25.162	252	189689	17.514	ng	# 92
91) Dibenzo(a,h)anthracene	29.304	278	34907	2.913	ng	# 90
92) Benzo(g,h,i)perylene	30.491	276	151081	12.873	ng	# 92

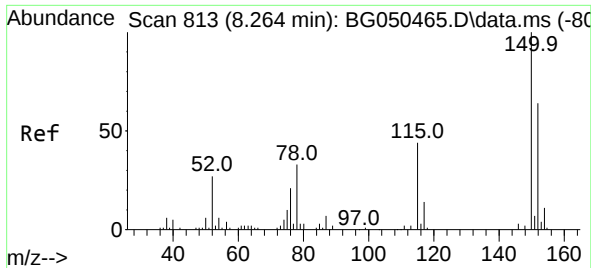
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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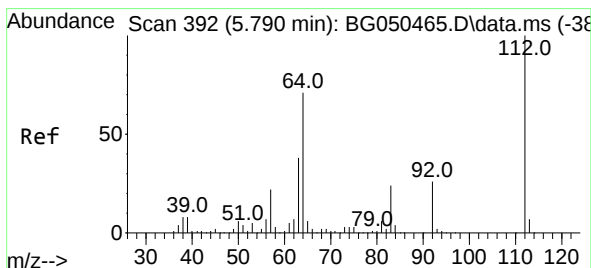
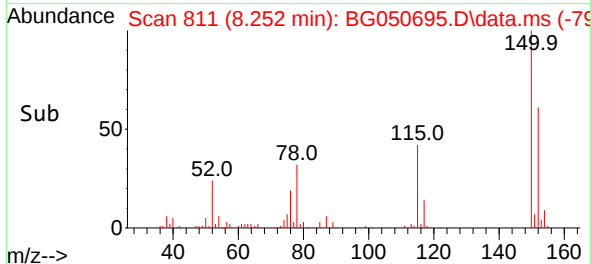
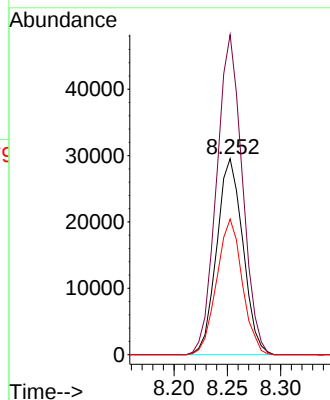
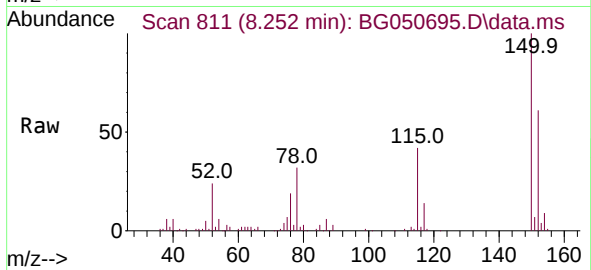




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

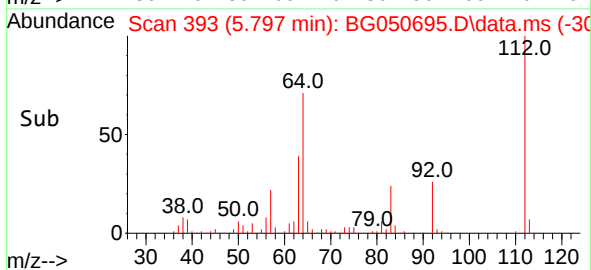
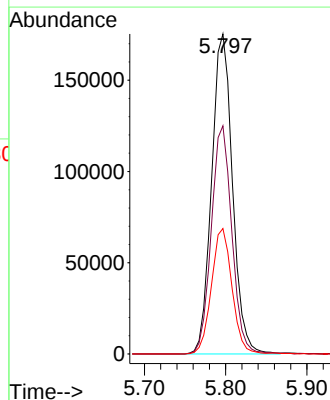
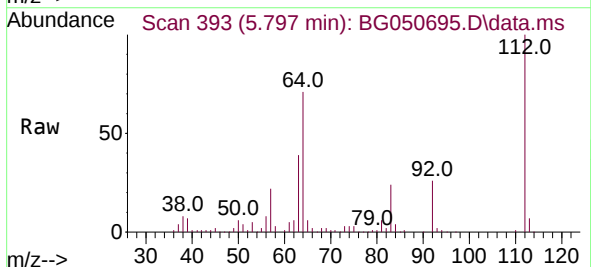
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

Tgt Ion:152 Resp: 50395
Ion Ratio Lower Upper
152 100
150 163.2 119.4 179.0
115 69.1 60.2 90.4



#5
2-Fluorophenol
Concen: 92.834 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:112 Resp: 312823
Ion Ratio Lower Upper
112 100
64 71.3 46.7 70.1#
63 39.2 35.3 52.9

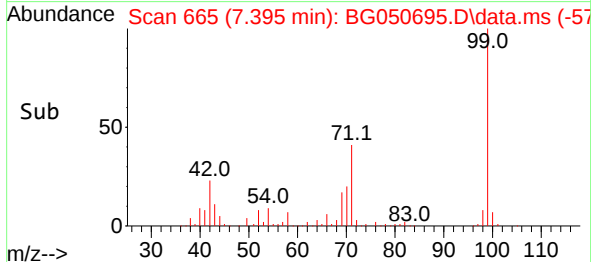
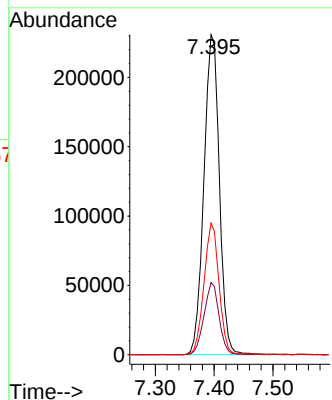
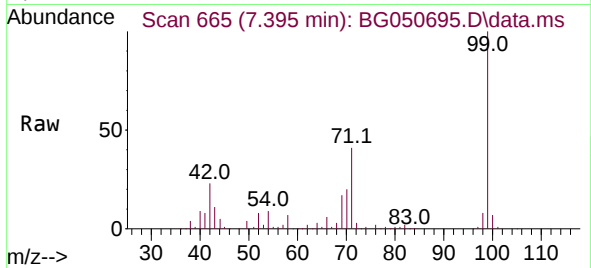




#7
Phenol-d6
Concen: 86.406 ng
RT: 7.395 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

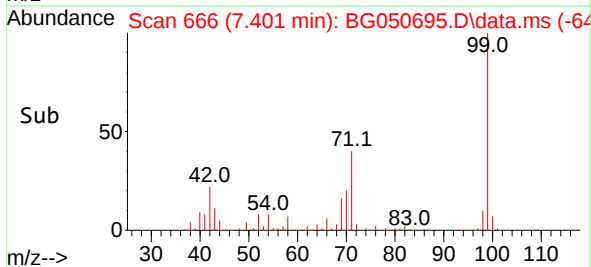
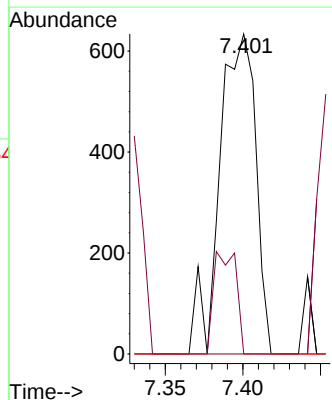
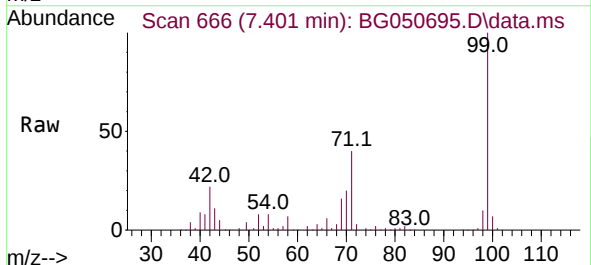
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

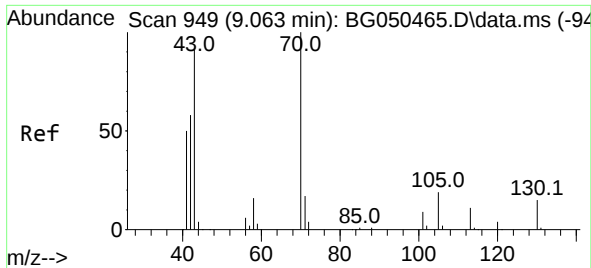
Tgt Ion: 99 Resp: 421550
Ion Ratio Lower Upper
99 100
42 22.6 20.5 30.7
71 41.1 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.401 min Scan# 666
Delta R.T. 0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion: 77 Resp: 1027
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

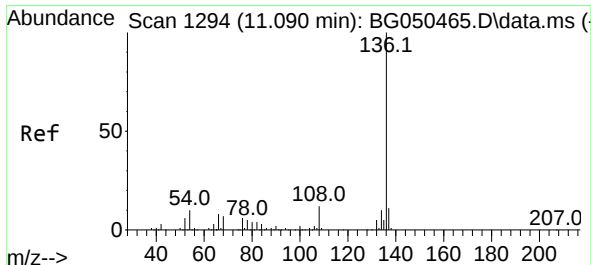
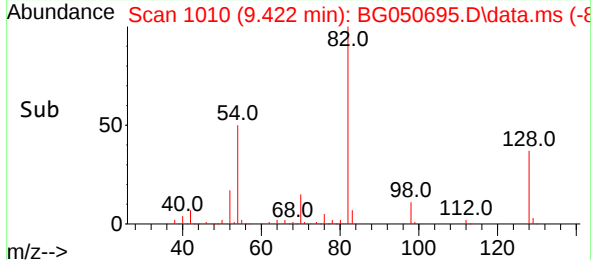
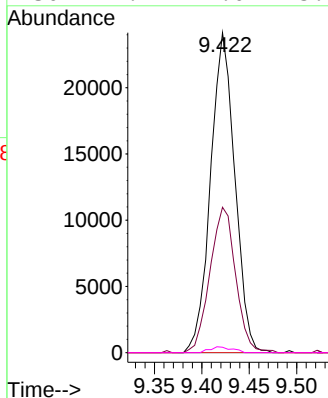
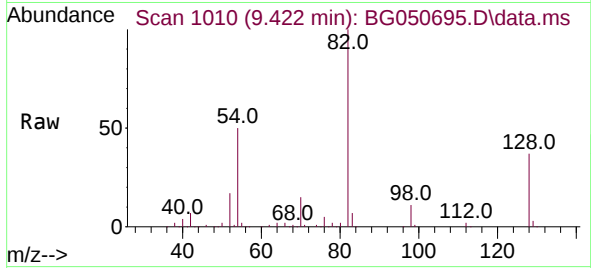




#19
n-Nitroso-di-n-propylamine
Concen: 12.093 ng
RT: 9.422 min Scan# 1010
Delta R.T. 0.364 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

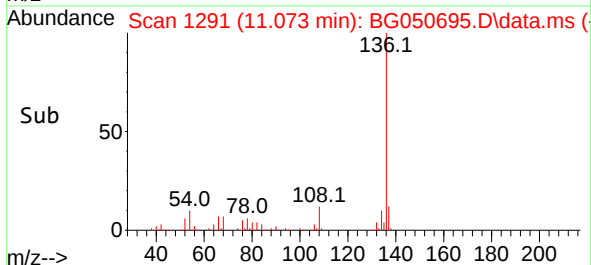
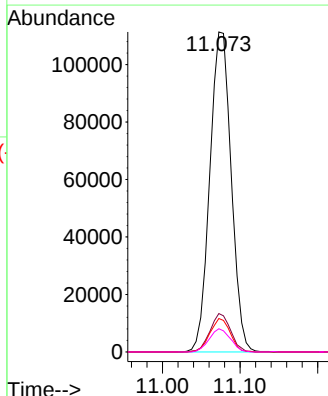
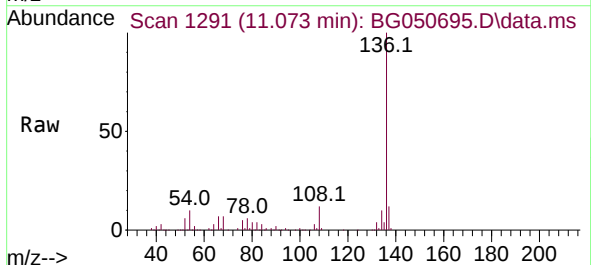
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

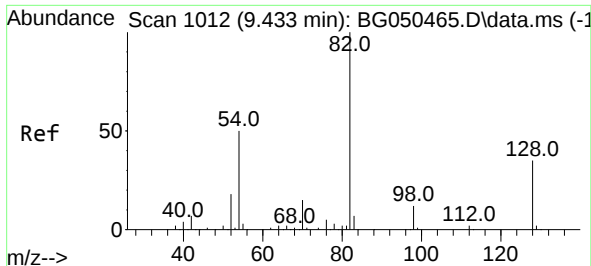
Tgt Ion:	70	Resp:	43001
Ion	Ratio	Lower	Upper
70	100		
42	45.5	54.5	81.7#
101	0.0	9.0	13.6#
130	1.7	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:	136	Resp:	213550
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.2	12.2
54	10.4	5.5	8.3#
68	7.2	2.3	3.5#

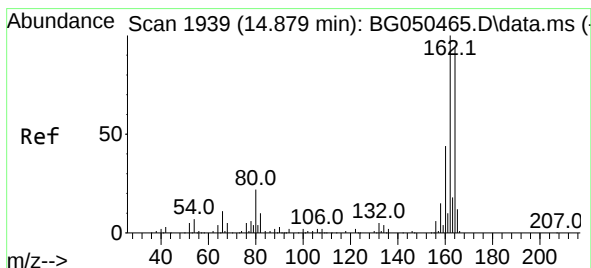
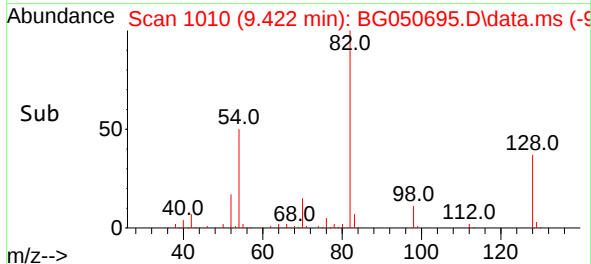
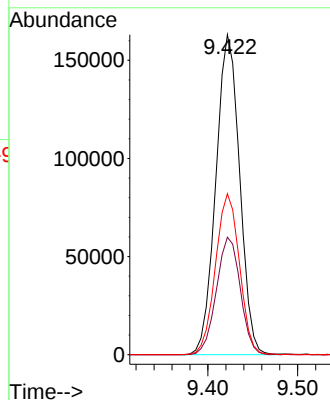
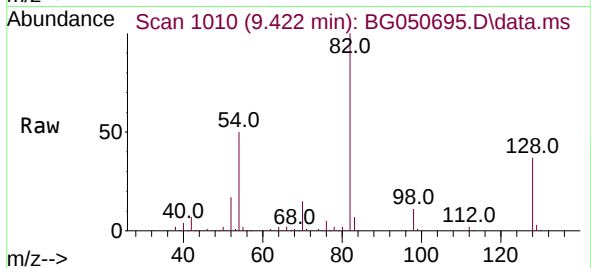




#23
Nitrobenzene-d5
Concen: 58.148 ng
RT: 9.422 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

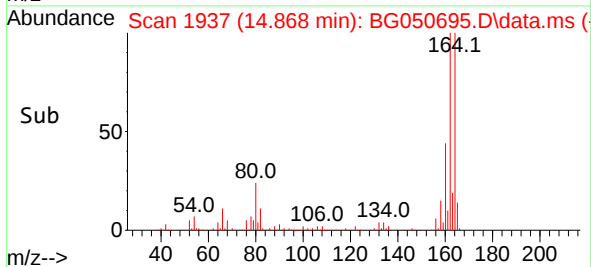
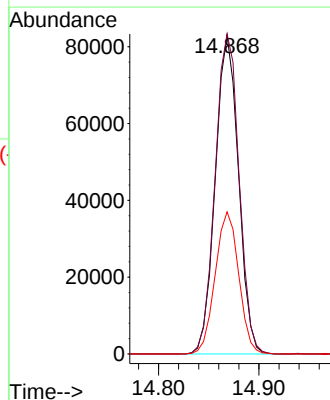
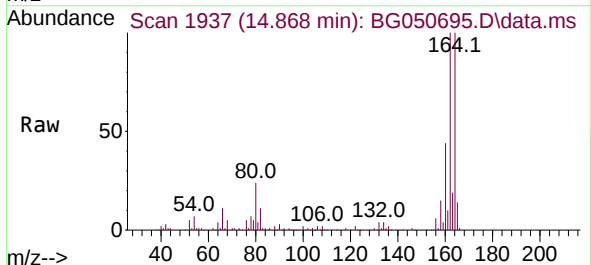
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

Tgt Ion: 82 Resp: 299969
Ion Ratio Lower Upper
82 100
128 36.7 29.8 44.6
54 50.3 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:164 Resp: 132735
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 44.6 34.9 52.3

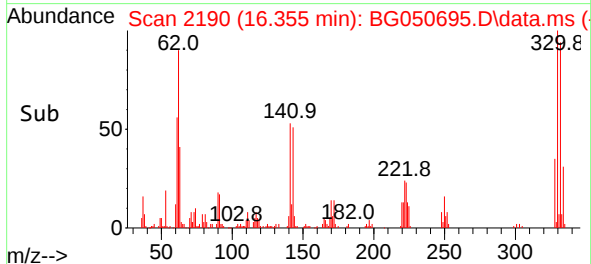
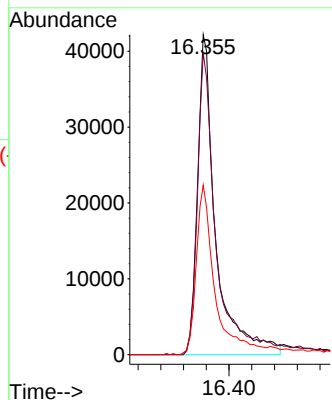
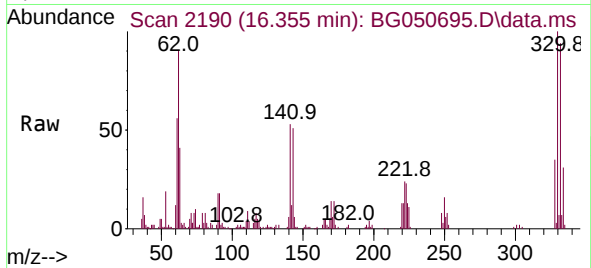




#42
2,4,6-Tribromophenol
Concen: 74.209 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

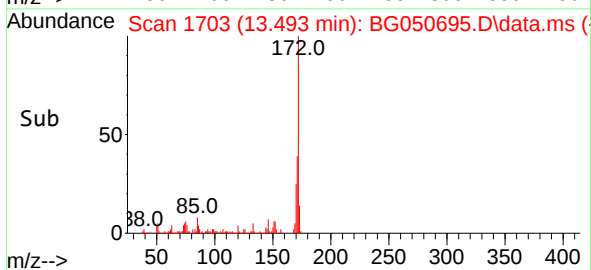
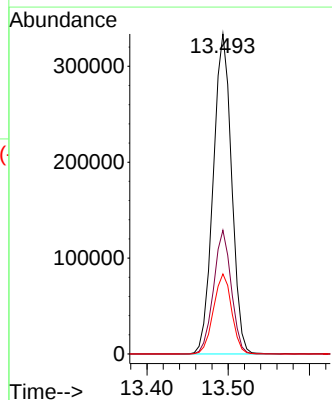
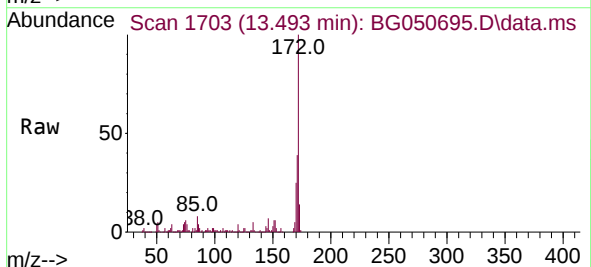
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

Tgt Ion:330 Resp: 93953
Ion Ratio Lower Upper
330 100
332 97.9 77.3 115.9
141 54.2 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 59.490 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:172 Resp: 524664
Ion Ratio Lower Upper
172 100
171 38.6 28.6 43.0
170 25.0 18.6 27.8

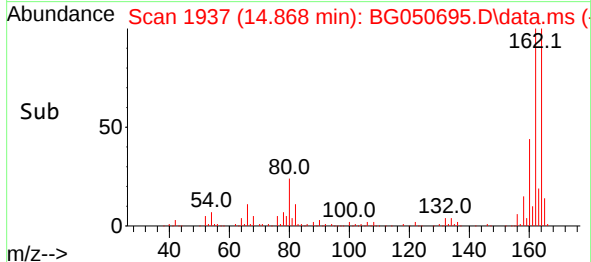
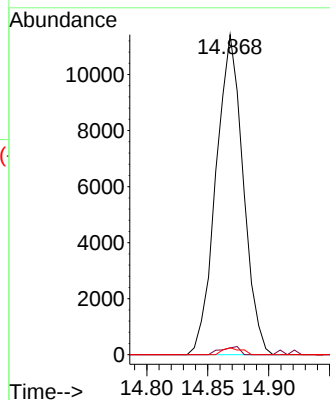
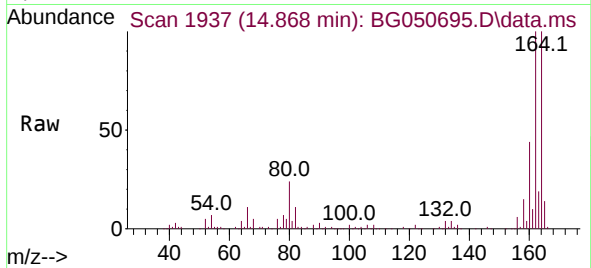




#51
2,6-Dinitrotoluene
Concen: 8.827 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

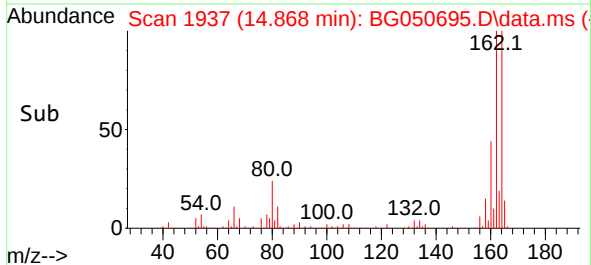
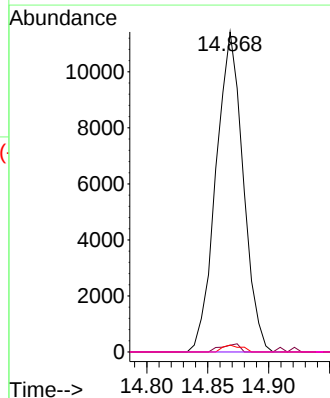
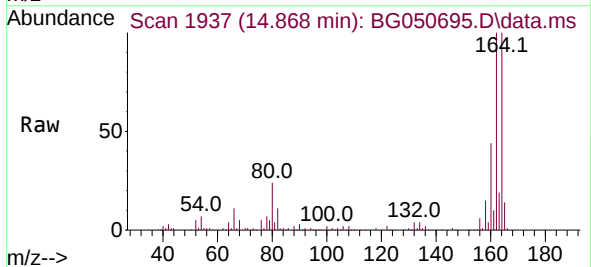
Instrument :
BNA_G
ClientSampled :
WC-2-HS

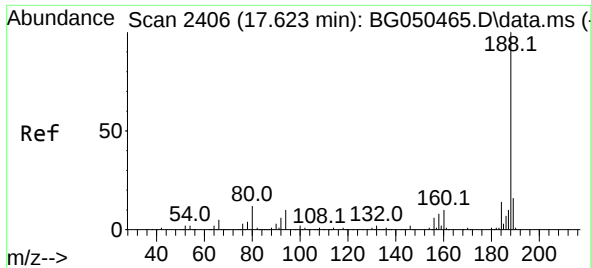
Tgt Ion:165 Resp: 17738
Ion Ratio Lower Upper
165 100
63 2.1 63.3 94.9#
89 2.2 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.262 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:165 Resp: 17738
Ion Ratio Lower Upper
165 100
63 2.1 48.0 72.0#
89 2.2 65.4 98.0#
182 0.0 2.0 3.0#

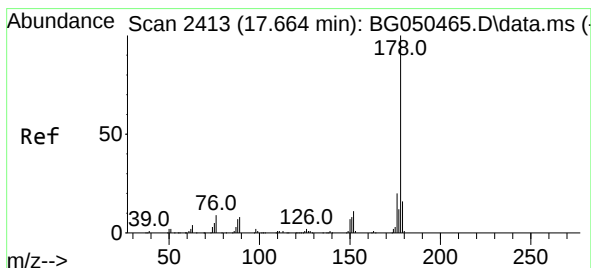
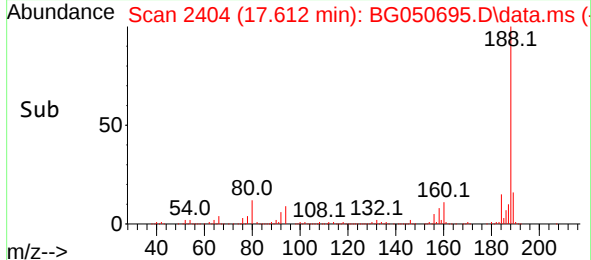
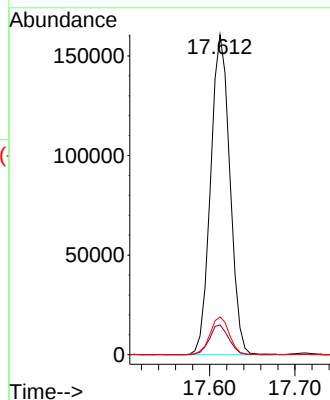
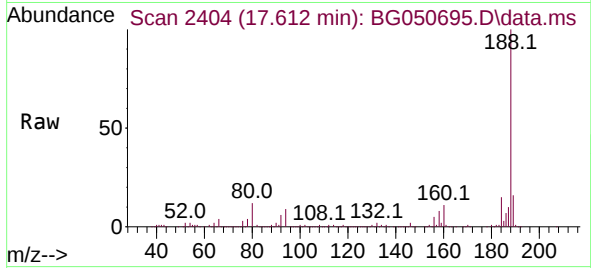




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

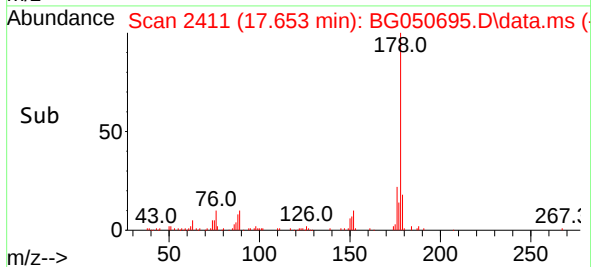
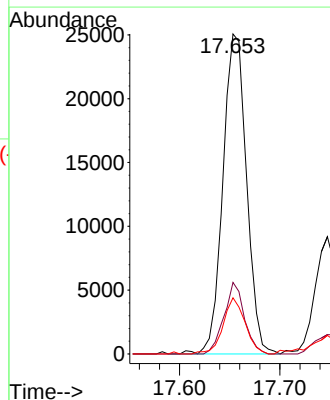
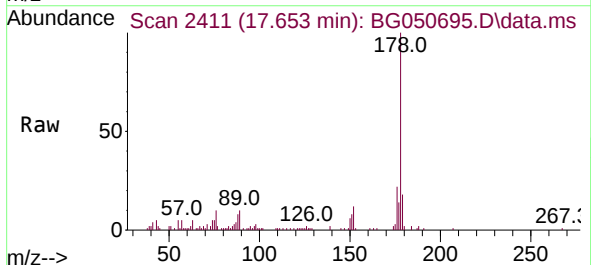
Instrument :
BNA_G
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WC-2-HS

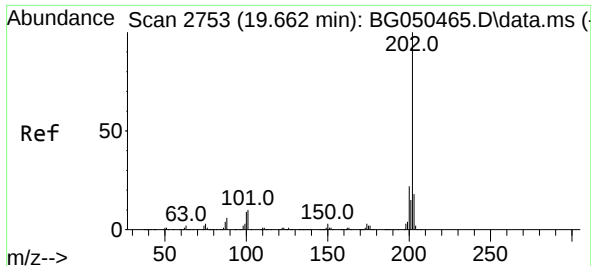
Tgt Ion:188 Resp: 251591
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 11.8 3.7 5.5#



#71
Phenanthrene
Concen: 3.091 ng
RT: 17.653 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:178 Resp: 40980
Ion Ratio Lower Upper
178 100
176 22.4 16.0 24.0
179 17.6 14.2 21.4

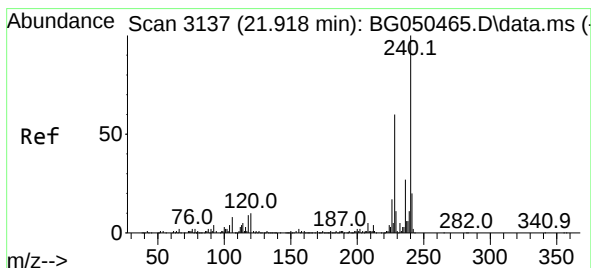
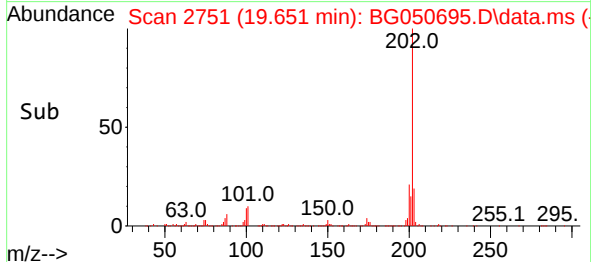
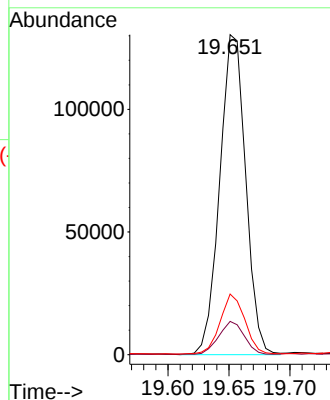
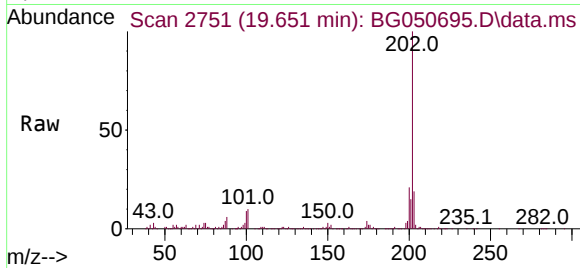




#75
Fluoranthene
Concen: 11.883 ng
RT: 19.651 min Scan# 2751
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

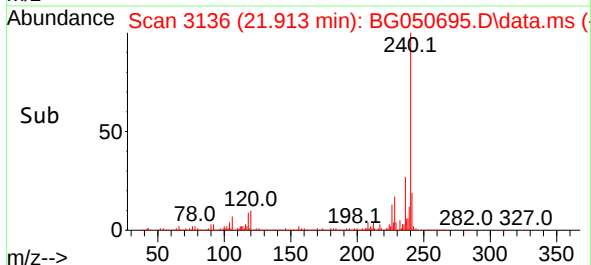
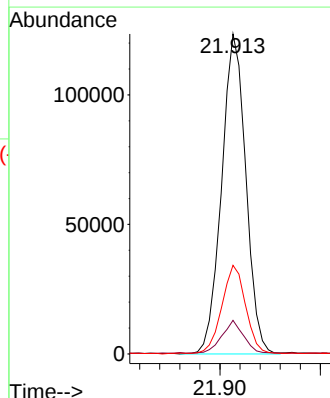
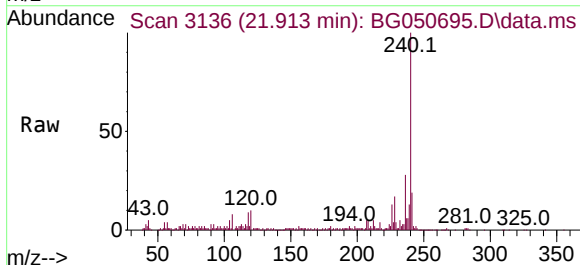
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

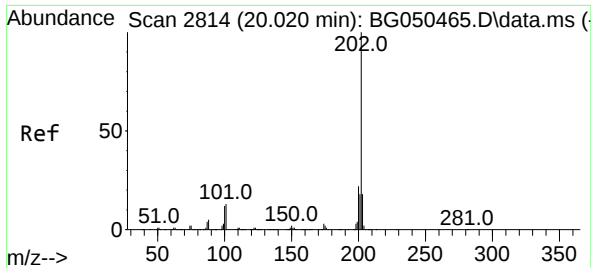
Tgt Ion:	202	Resp:	193667
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	24.7
203	19.0	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:	240	Resp:	207046
Ion Ratio	Lower	Upper	
240	100		
120	10.5	4.2	6.2#
236	27.7	21.8	32.6

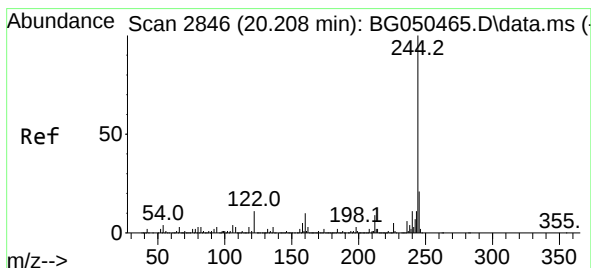
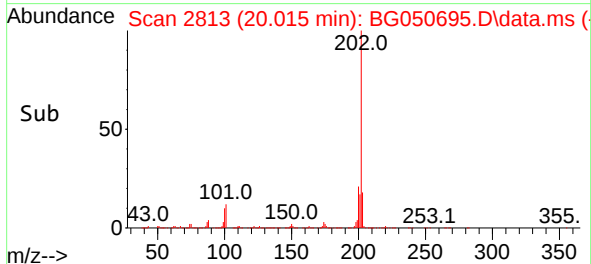
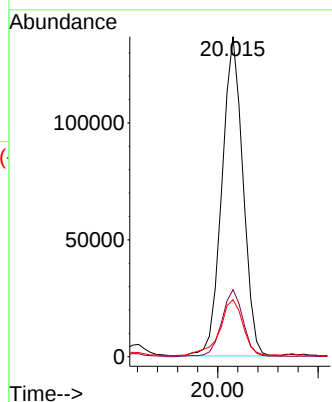
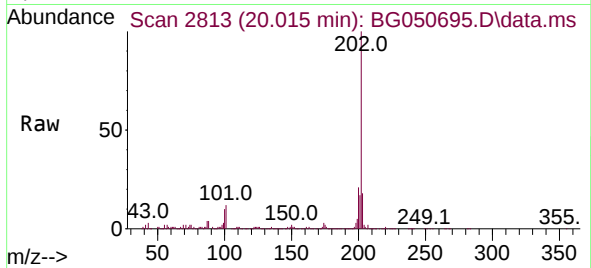




#78
Pyrene
Concen: 13.513 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

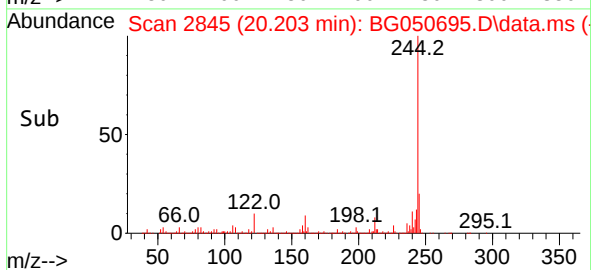
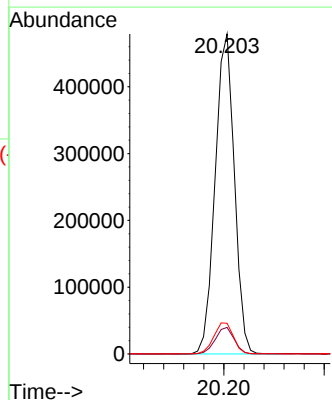
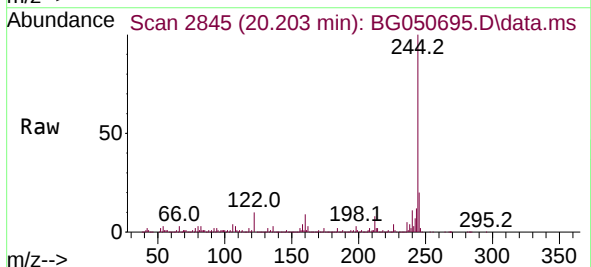
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

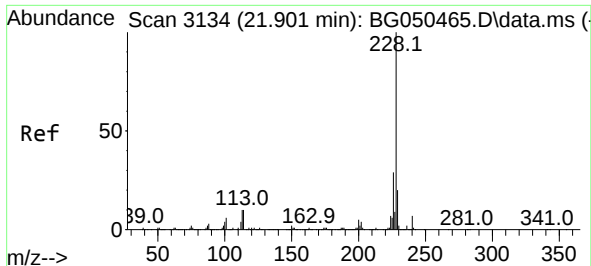
Tgt Ion:202	Resp:	198498
Ion Ratio	Lower	Upper
202	100	
200	20.9	15.8 23.8
203	17.8	14.6 21.8



#79
Terphenyl-d14
Concen: 59.756 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:244	Resp:	634861
Ion Ratio	Lower	Upper
244	100	
212	8.3	6.9 10.3
122	9.6	5.0 7.6#

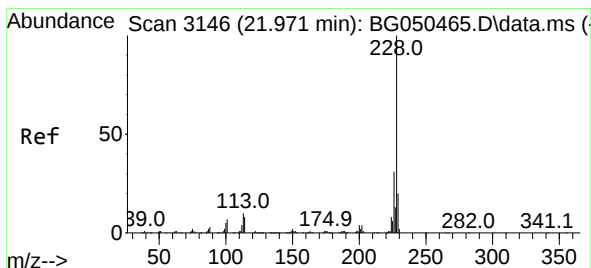
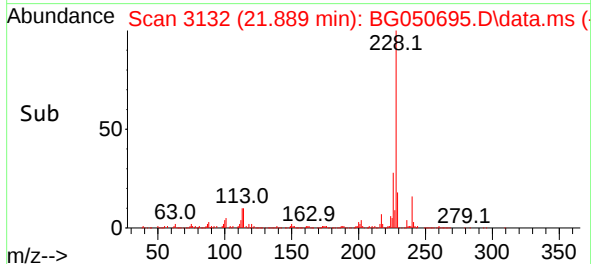
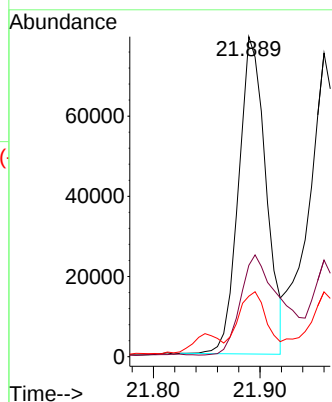
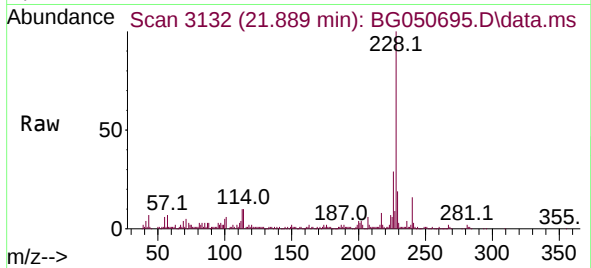




#81
Benzo(a)anthracene
Concen: 10.327 ng
RT: 21.889 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

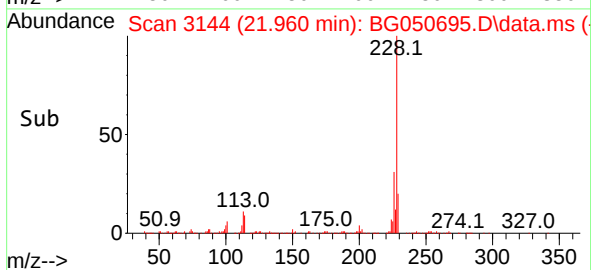
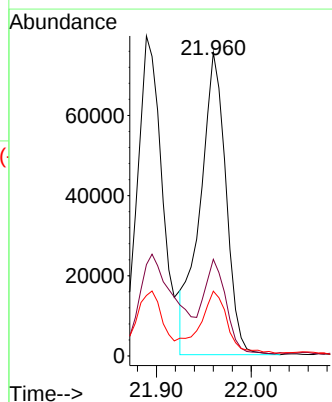
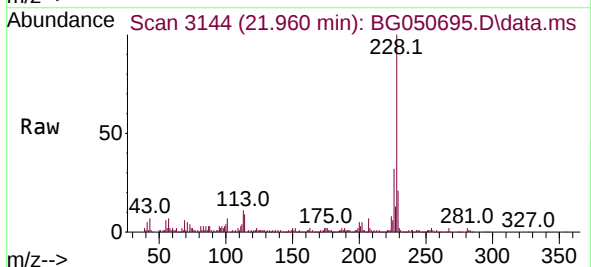
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

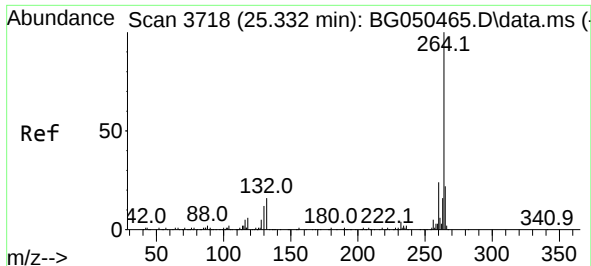
Tgt Ion:228 Resp: 141477
Ion Ratio Lower Upper
228 100
226 28.5 22.7 34.1
229 18.9 16.0 24.0



#83
Chrysene
Concen: 11.129 ng
RT: 21.960 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:228 Resp: 143421
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 21.3 15.3 22.9



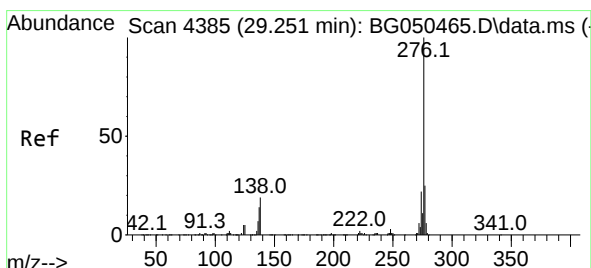
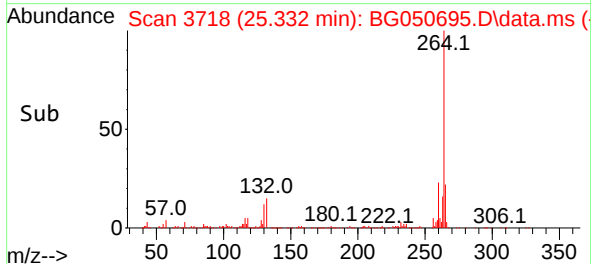
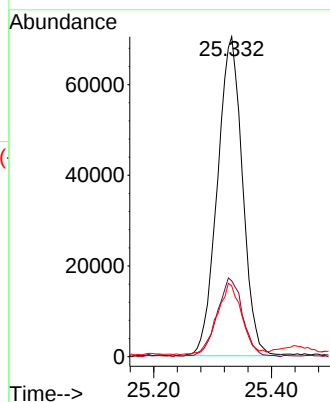
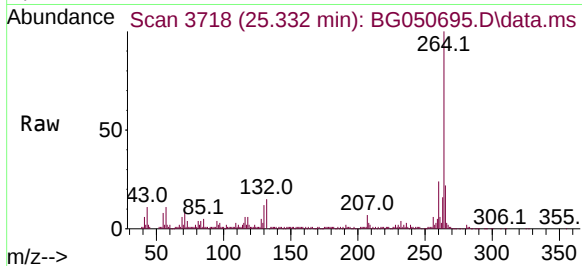


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.332 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Instrument :
BNA_G
ClientSampleId :
WC-2-HS

Tgt Ion:264 Resp: 208000

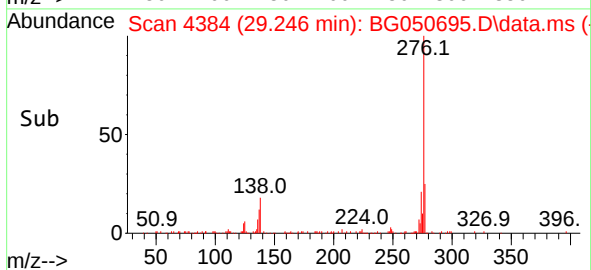
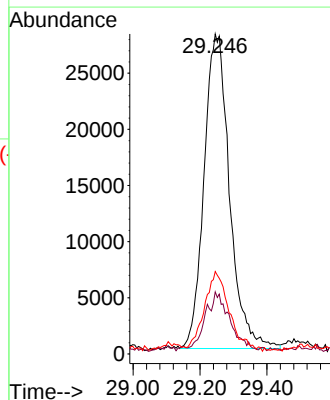
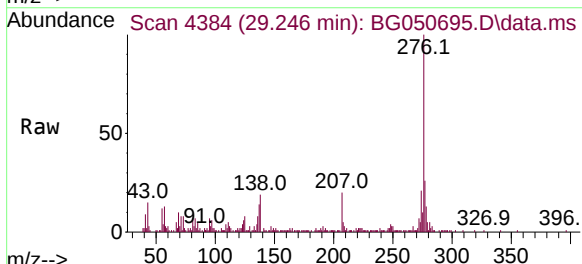
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.1	16.9	25.3

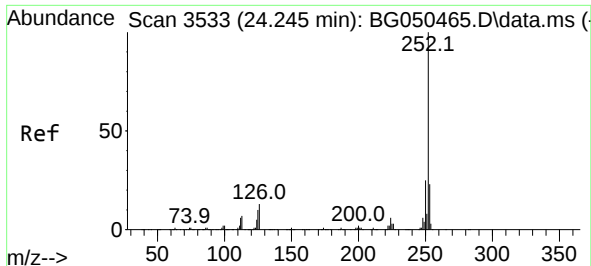


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.230 ng
RT: 29.246 min Scan# 4384
Delta R.T. -0.018 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:276 Resp: 148210

Ion	Ratio	Lower	Upper
276	100		
138	12.3	5.1	7.7#
277	25.0	19.8	29.6

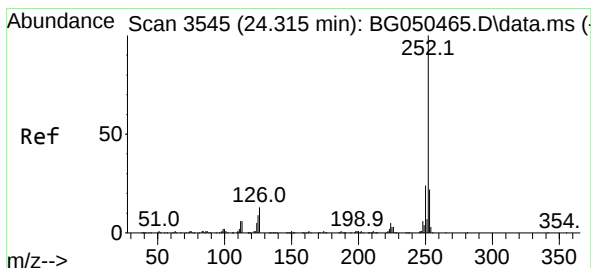
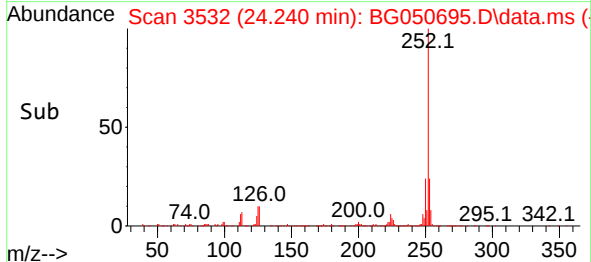
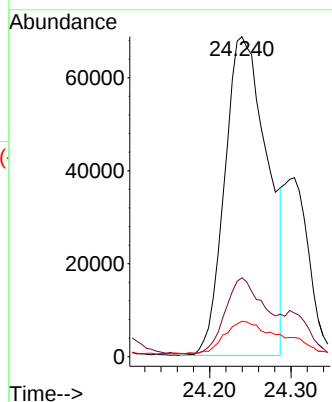
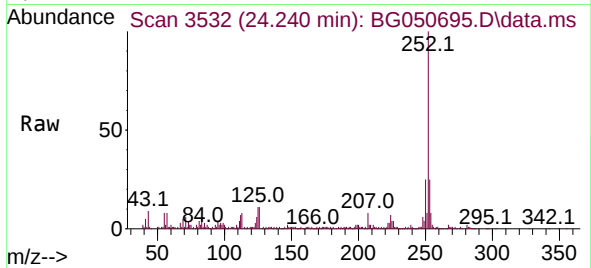




#88
Benzo(b)fluoranthene
Concen: 19.652 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

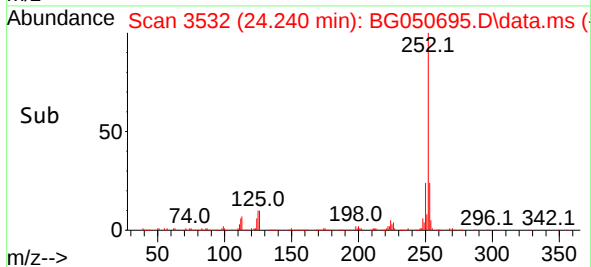
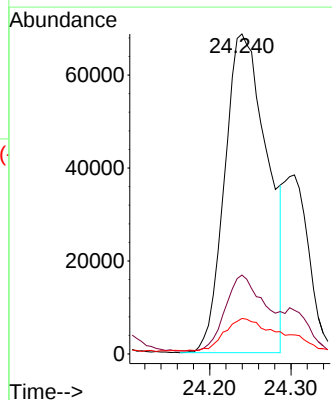
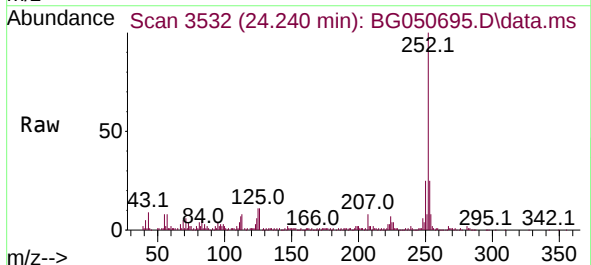
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

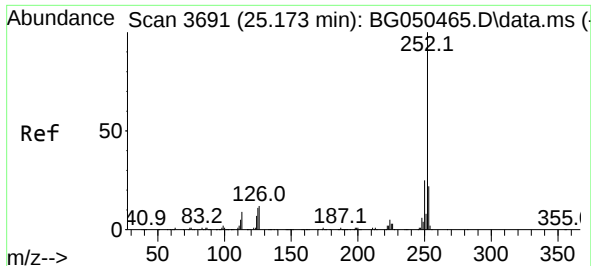
Tgt Ion:252 Resp: 250336
Ion Ratio Lower Upper
252 100
253 24.6 16.2 24.4#
125 11.1 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 19.976 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.076 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Tgt Ion:252 Resp: 250336
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 11.1 3.1 4.7#

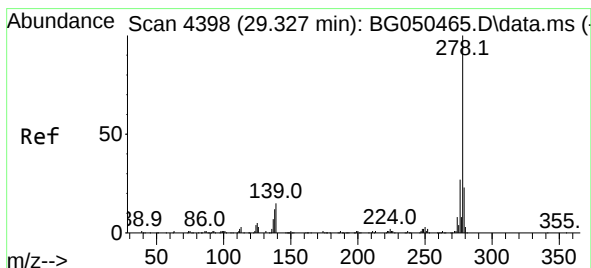
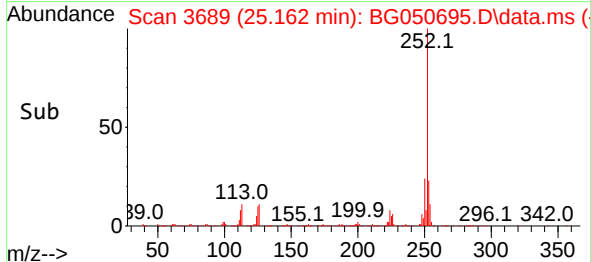
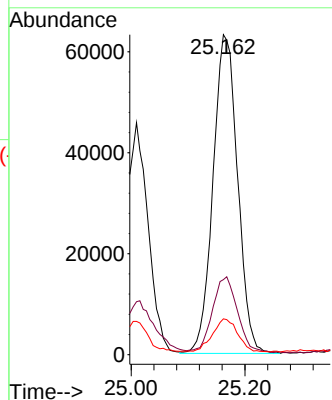
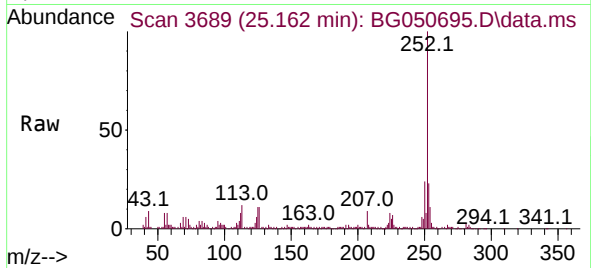




#90
Benzo(a)pyrene
Concen: 17.514 ng
RT: 25.162 min Scan# 3689
Delta R.T. -0.012 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

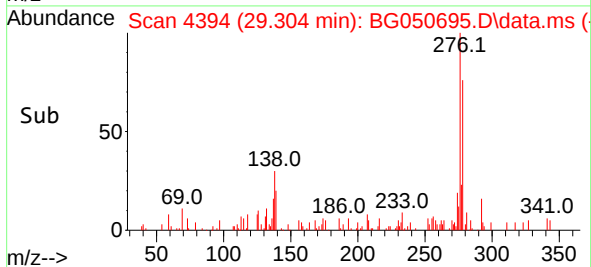
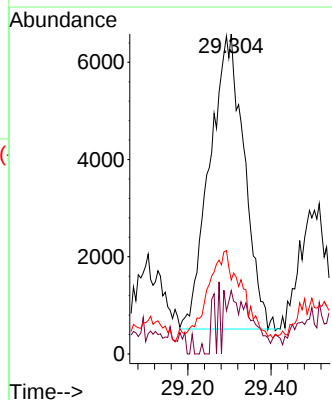
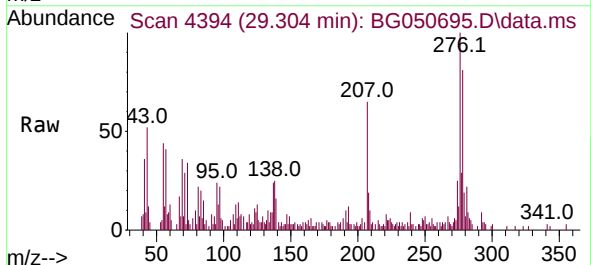
Instrument :
BNA_G
ClientSampleId :
WC-2-HS

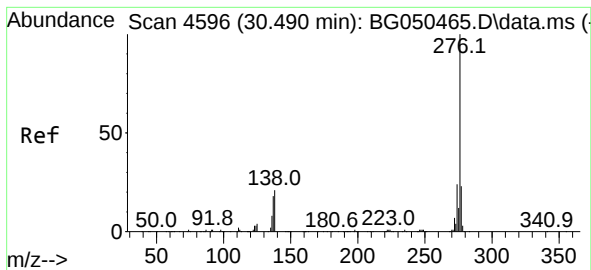
Tgt Ion:252 Resp: 189689
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 11.2 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 2.913 ng
RT: 29.304 min Scan# 4394
Delta R.T. -0.029 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

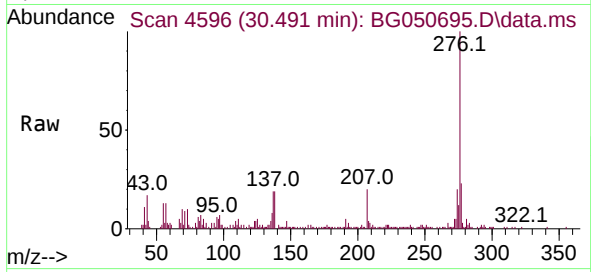
Tgt Ion:278 Resp: 34907
Ion Ratio Lower Upper
278 100
139 19.8 4.6 6.8#
279 23.1 17.9 26.9





#92
Benzo(g,h,i)perylene
Concen: 12.873 ng
RT: 30.491 min Scan# 4596
Delta R.T. -0.006 min
Lab File: BG050695.D
Acq: 22 Oct 2021 18:57

Instrument :
BNA_G
ClientSampleId :
WC-2-HS



Tgt Ion:276 Resp: 151081
Ion Ratio Lower Upper
276 100
277 22.6 18.4 27.6
138 18.9 7.0 10.6#

