

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050719.D
 Acq On : 25 Oct 2021 20:49
 Operator : CG/JU
 Sample : M4294-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2-ES

Quant Time: Oct 26 02:16:13 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)

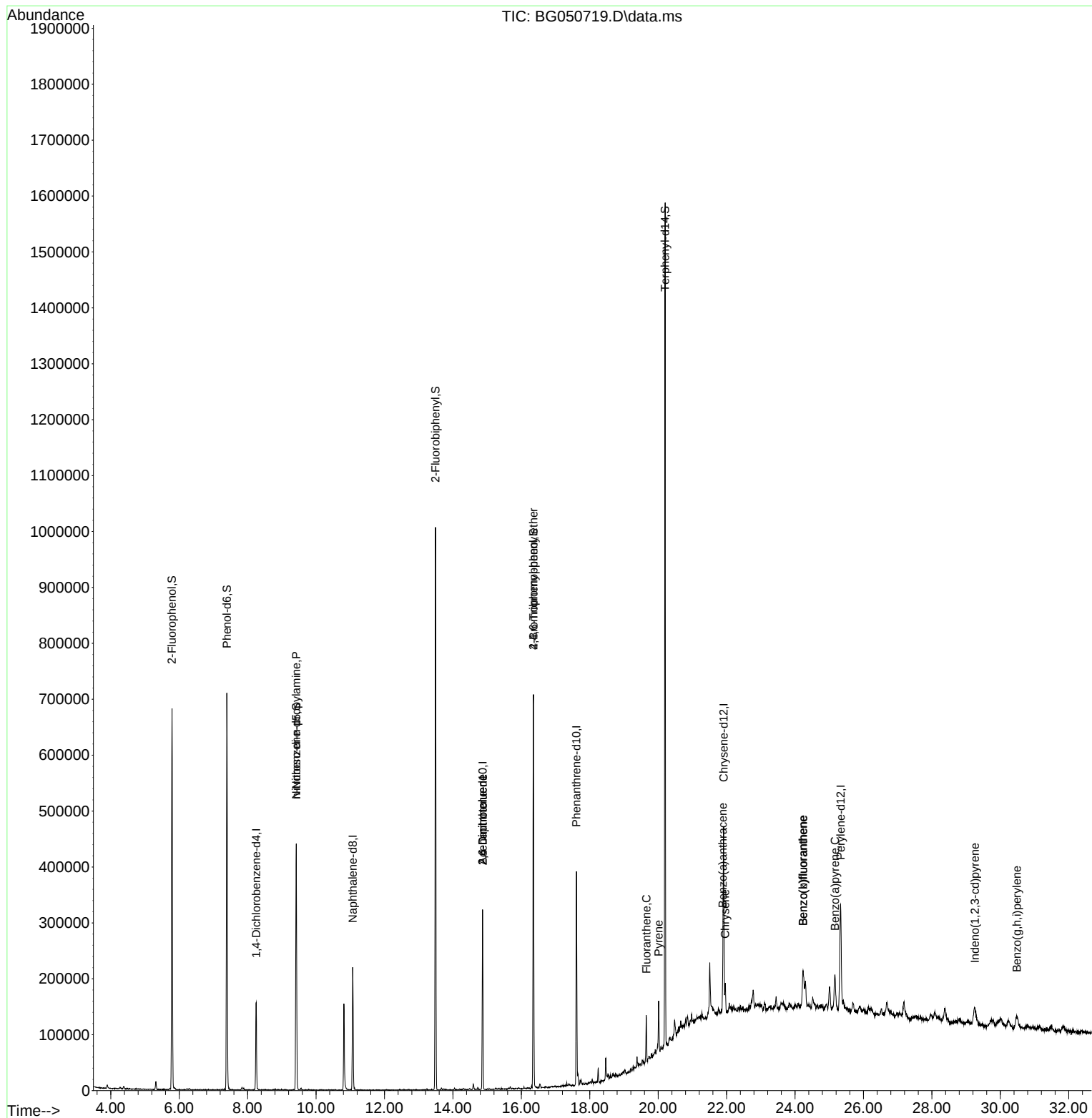
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	42265	20.000	ng	0.00
21) Naphthalene-d8	11.073	136	177793	20.000	ng	#-0.01
39) Acenaphthene-d10	14.868	164	110095	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	228658	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	192210	20.000	ng	#-0.01
86) Perylene-d12	25.332	264	195117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	291087	103.000	ng	0.00
7) Phenol-d6	7.395	99	398590	97.415	ng	0.00
23) Nitrobenzene-d5	9.422	82	285400	66.450	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	104247	99.272	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	499431	68.274	ng	-0.01
79) Terphenyl-d14	20.203	244	678295	68.773	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.395	77	1018	Below Cal	#	28
19) n-Nitroso-di-n-propyla...	9.422	70	40225	13.488	ng	# 71
51) 2,6-Dinitrotoluene	14.868	165	13999	8.399	ng	# 11
57) 2,4-Dinitrotoluene	14.868	165	13999	5.959	ng	# 16
67) 4-Bromophenyl-phenylether	16.355	248	8765	3.804	ng	# 1
75) Fluoranthene	19.657	202	49588	3.348	ng	93
78) Pyrene	20.015	202	55661	4.082	ng	97
81) Benzo(a)anthracene	21.889	228	44966	3.536	ng	94
83) Chrysene	21.960	228	44893	3.753	ng	96
87) Indeno(1,2,3-cd)pyrene	29.257	276	50744	3.734	ng	# 92
88) Benzo(b)fluoranthene	24.234	252	80954	6.775	ng	# 88
89) Benzo(k)fluoranthene	24.234	252	80954	6.886	ng	# 92
90) Benzo(a)pyrene	25.168	252	67647	6.658	ng	# 90
92) Benzo(g,h,i)perylene	30.485	276	52343	4.755	ng	# 86

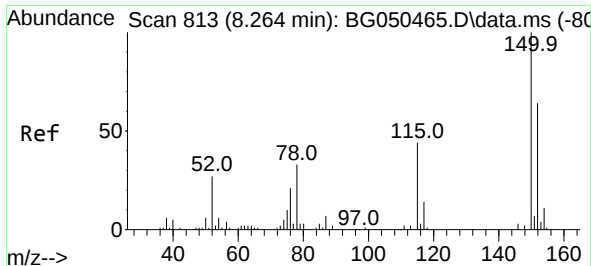
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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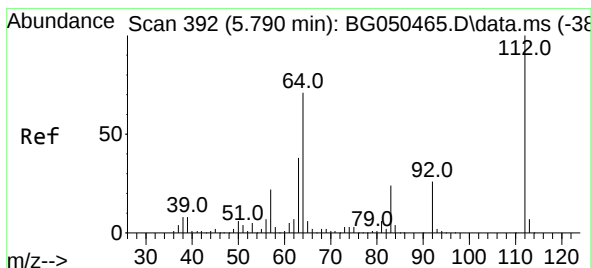
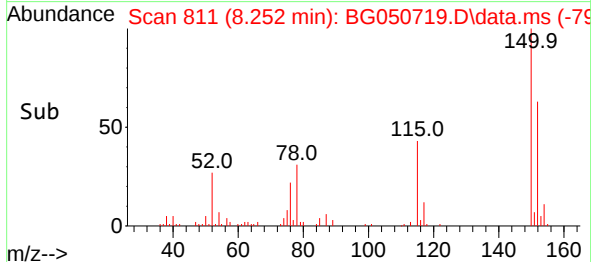
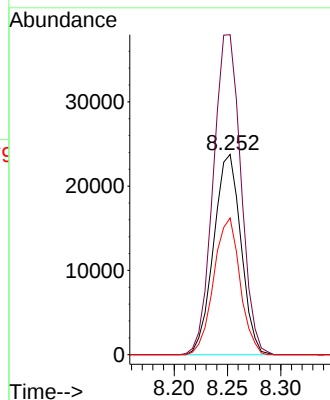
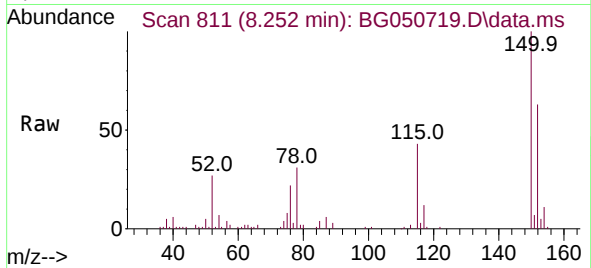




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

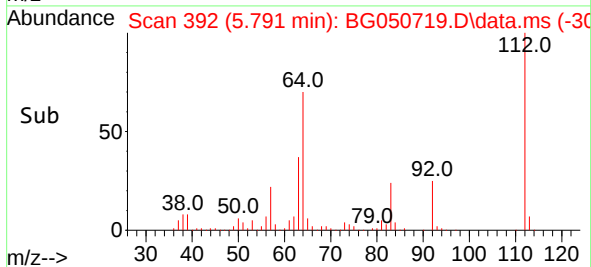
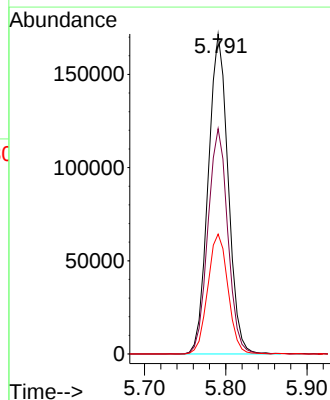
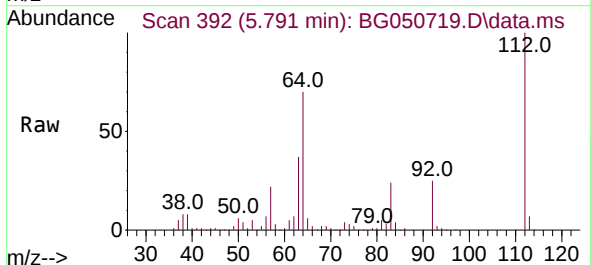
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

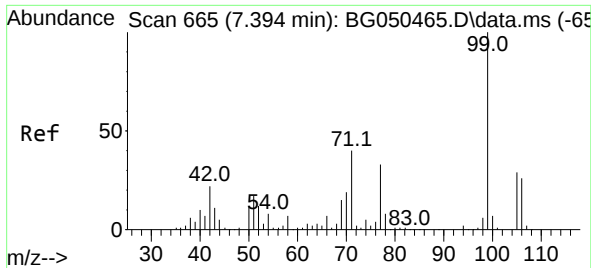
Tgt Ion:152 Resp: 42265
Ion Ratio Lower Upper
152 100
150 159.8 119.4 179.0
115 68.2 60.2 90.4



#5
2-Fluorophenol
Concen: 103.000 ng
RT: 5.791 min Scan# 392
Delta R.T. -0.000 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:112 Resp: 291087
Ion Ratio Lower Upper
112 100
64 70.4 46.7 70.1#
63 37.4 35.3 52.9

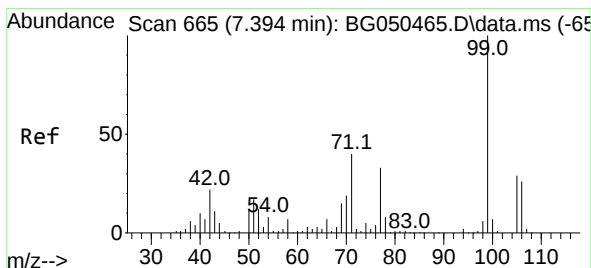
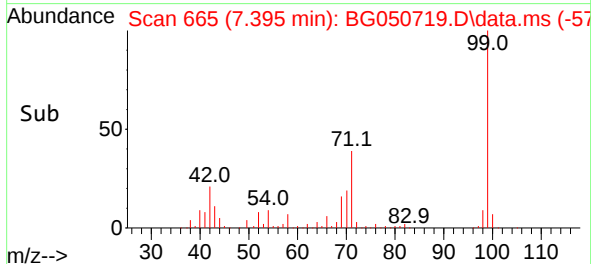
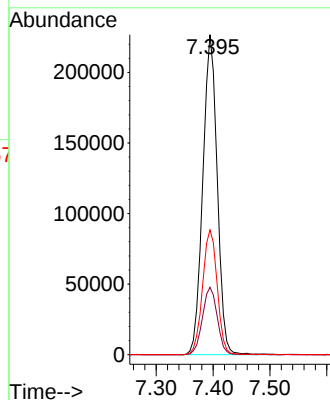
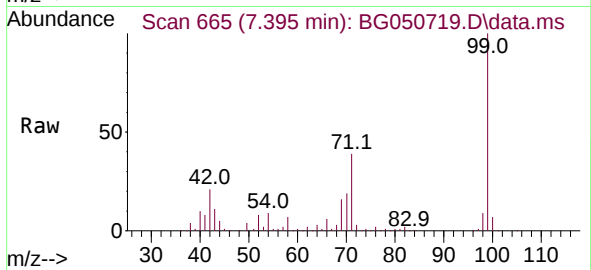




#7
Phenol-d6
Concen: 97.415 ng
RT: 7.395 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

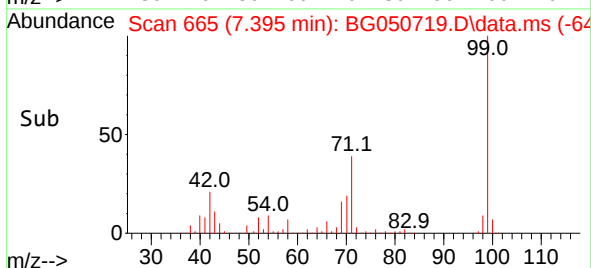
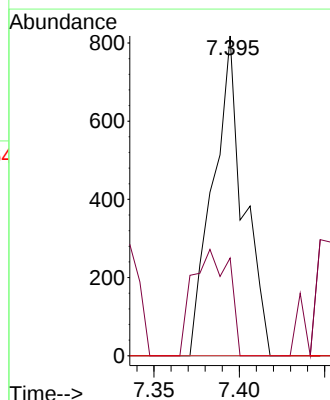
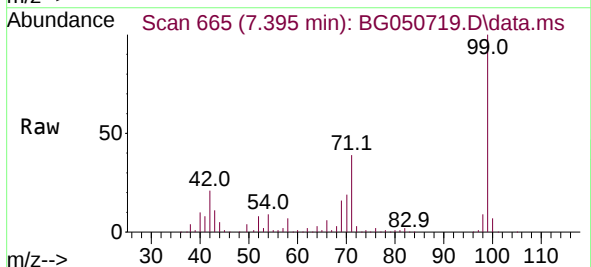
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

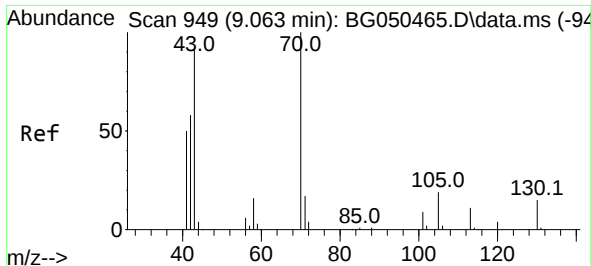
Tgt Ion: 99 Resp: 398590
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 39.0 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion: 77 Resp: 1018
Ion Ratio Lower Upper
77 100
105 30.6 68.8 108.8#
106 0.0 47.9 87.9#

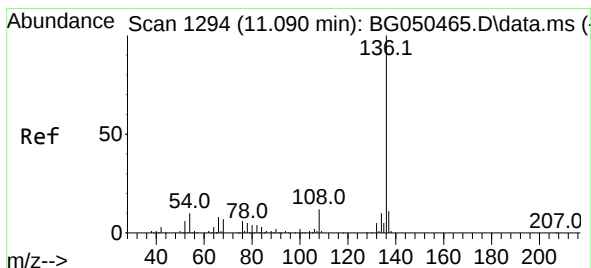
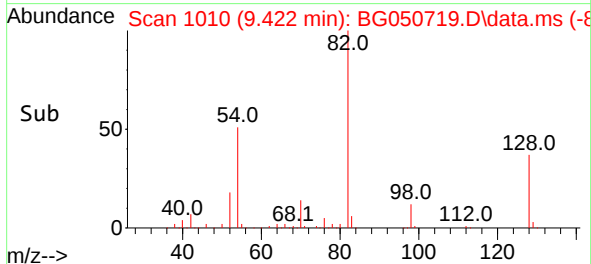
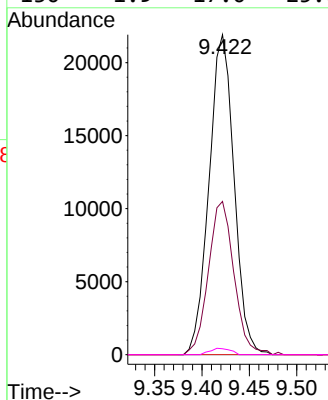
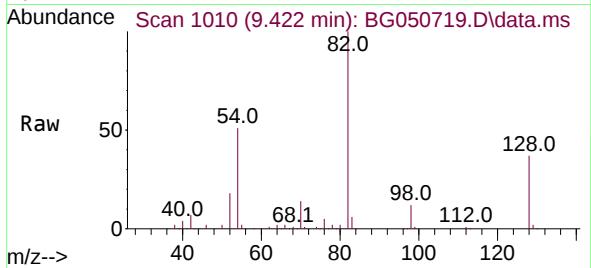




#19
n-Nitroso-di-n-propylamine
Concen: 13.488 ng
RT: 9.422 min Scan# 1010
Delta R.T. 0.364 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

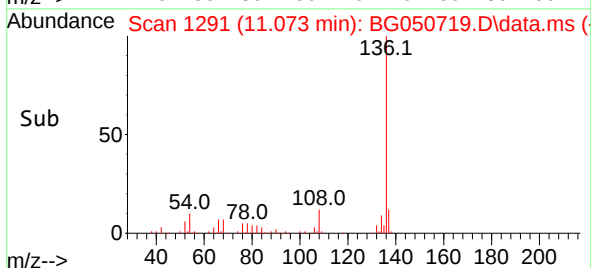
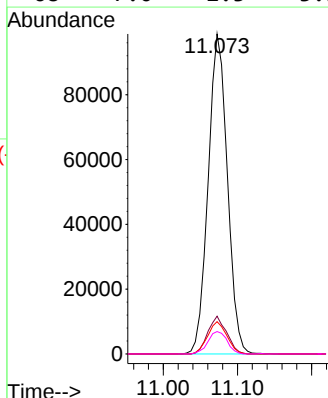
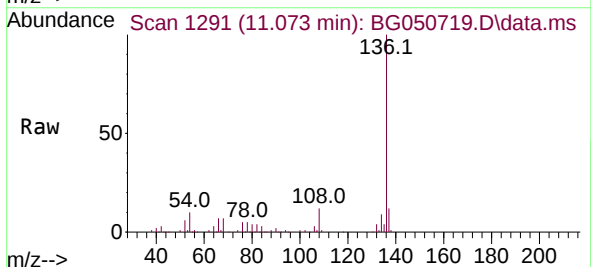
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

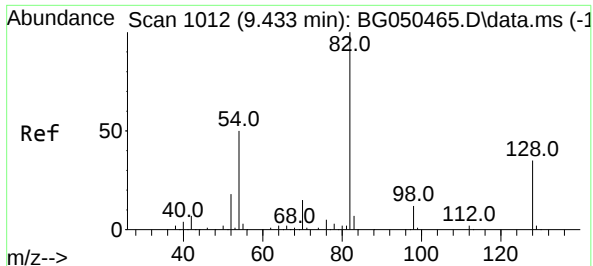
Tgt Ion:	70	Resp:	40225
Ion	Ratio	Lower	Upper
70	100		
42	47.9	54.5	81.7#
101	0.0	9.0	13.6#
130	1.9	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:	136	Resp:	177793
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.2
54	10.1	5.5	8.3#
68	7.0	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 66.450 ng

RT: 9.422 min Scan# 1010

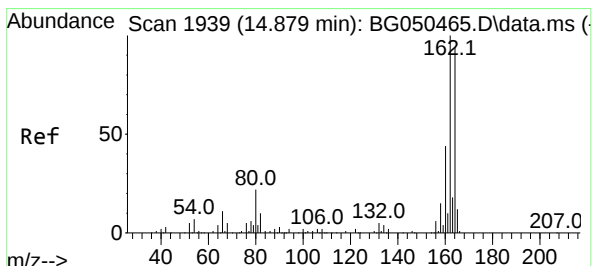
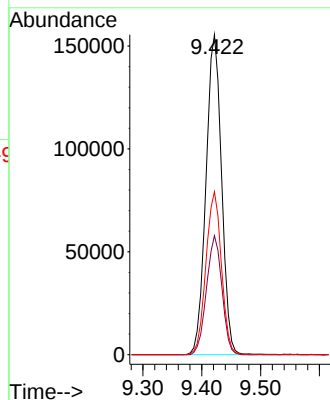
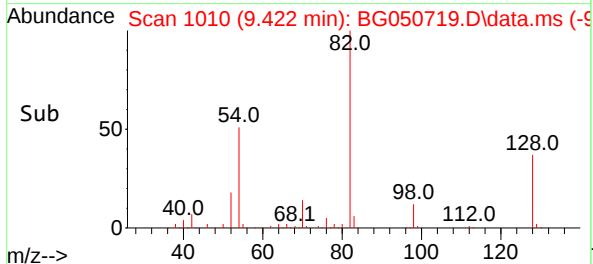
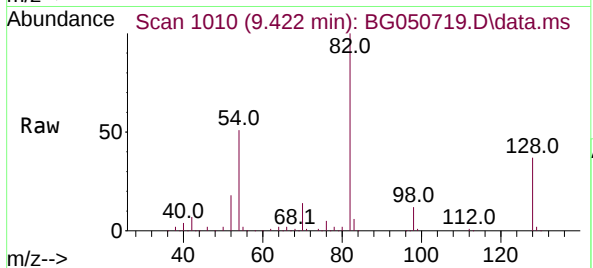
Delta R.T. -0.006 min

Lab File: BG050719.D

Acq: 25 Oct 2021 20:49

Tgt Ion: 82 Resp: 285400

Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.8	44.6
54	51.0	45.8	68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.868 min Scan# 1937

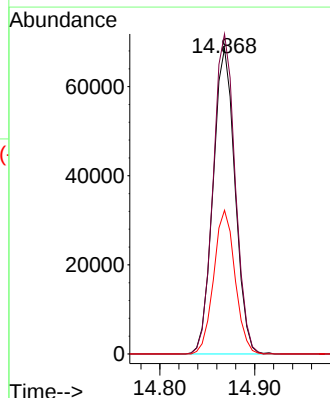
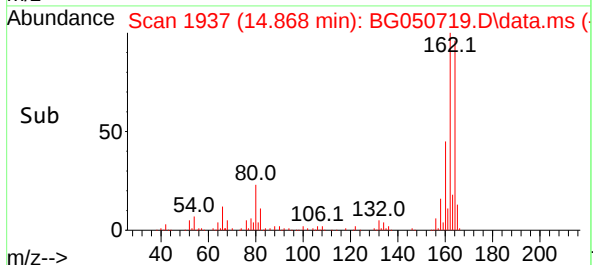
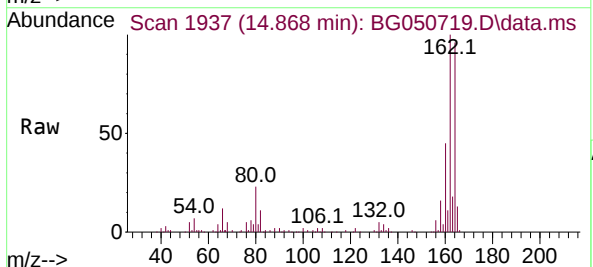
Delta R.T. -0.006 min

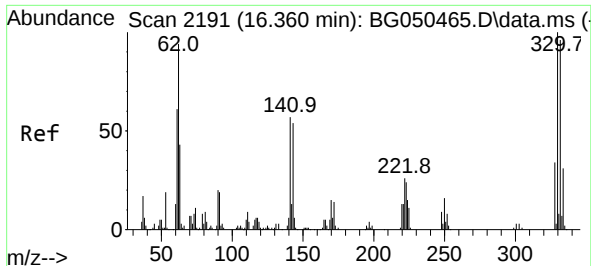
Lab File: BG050719.D

Acq: 25 Oct 2021 20:49

Tgt Ion: 164 Resp: 110095

Ion	Ratio	Lower	Upper
164	100		
162	104.7	81.4	122.0
160	47.0	34.9	52.3

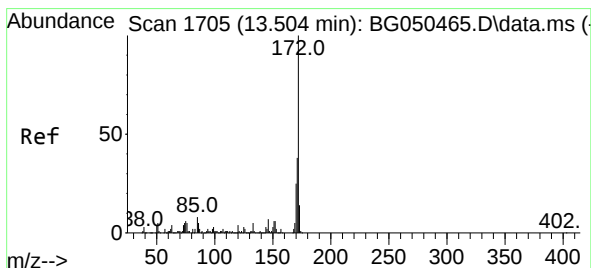
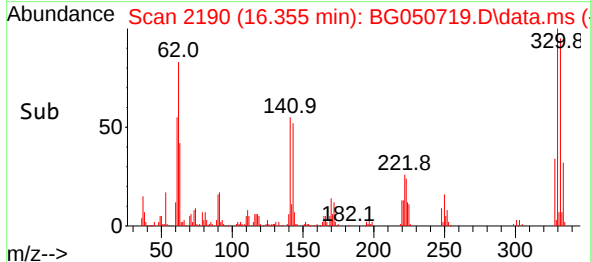
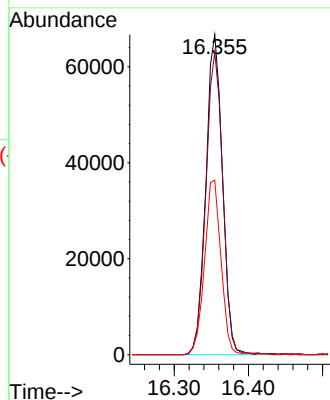
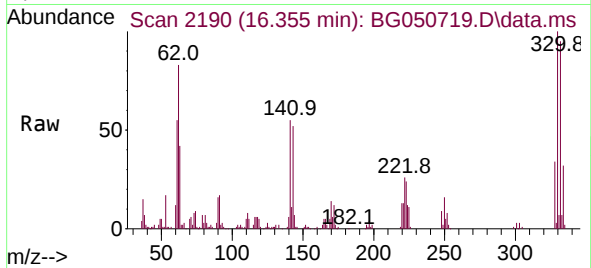




#42
2,4,6-Tribromophenol
Concen: 99.272 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

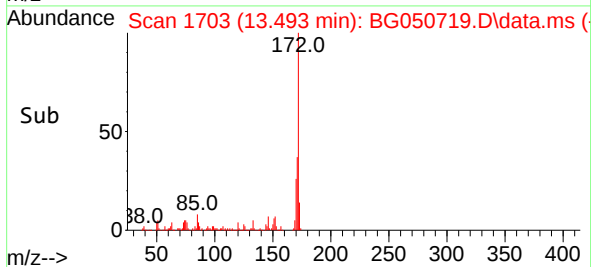
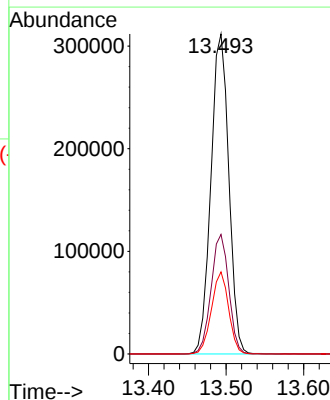
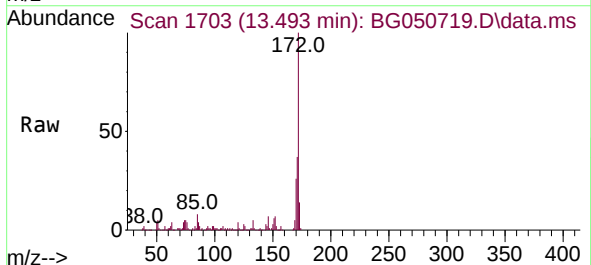
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

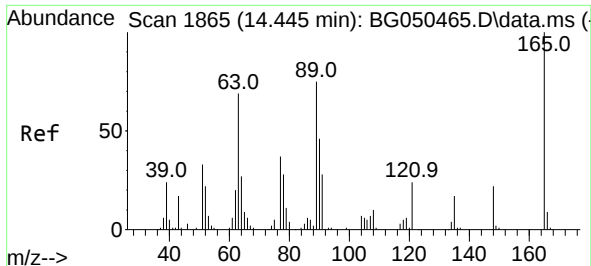
Tgt Ion:330 Resp: 104247
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 53.9 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 68.274 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:172 Resp: 499431
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 25.7 18.6 27.8

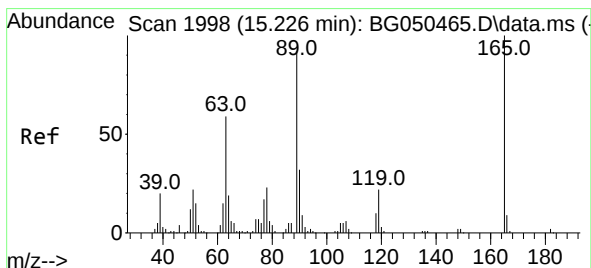
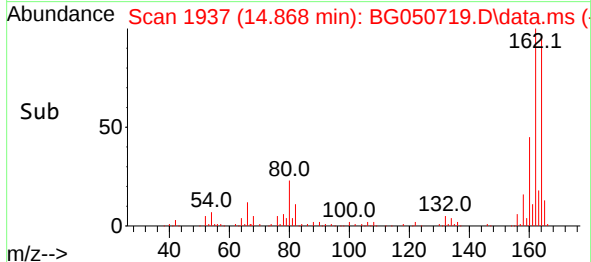
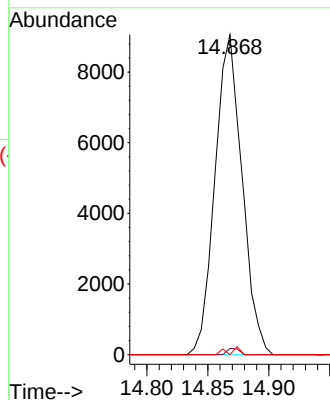
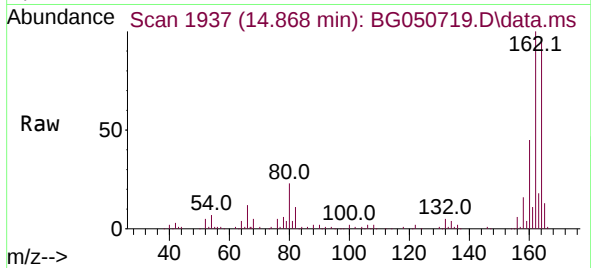




#51
2,6-Dinitrotoluene
Concen: 8.399 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

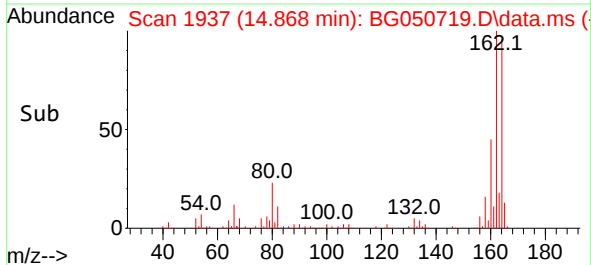
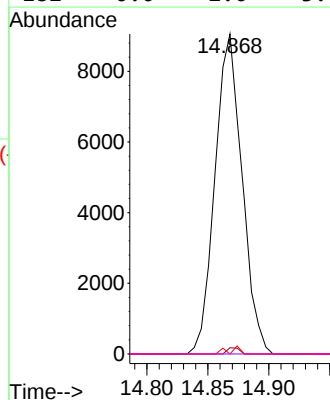
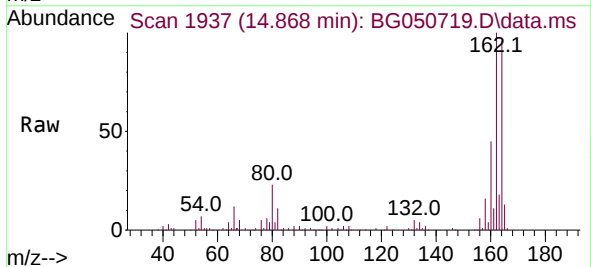
Instrument :
BNA_G
ClientSampled :
WC-2-ES

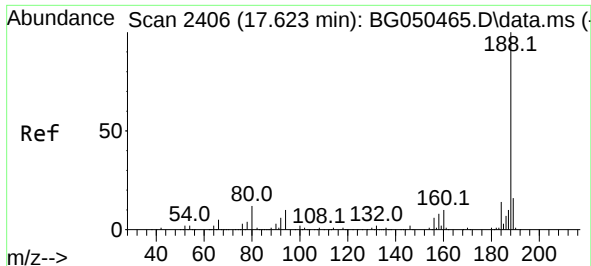
Tgt Ion:165 Resp: 13999
Ion Ratio Lower Upper
165 100
63 2.0 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.959 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.359 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:165 Resp: 13999
Ion Ratio Lower Upper
165 100
63 2.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

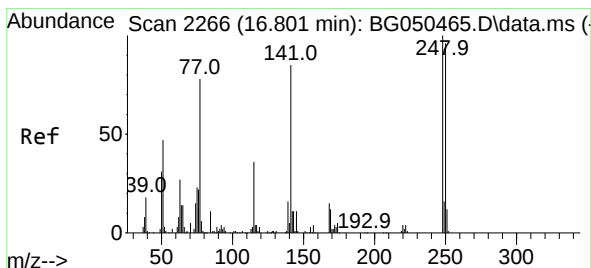
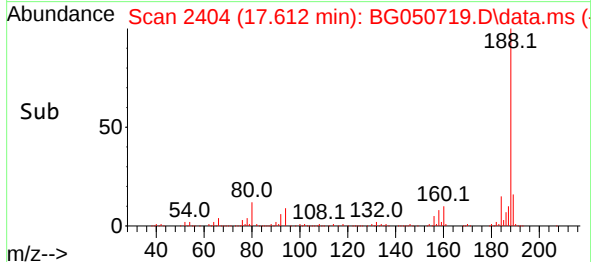
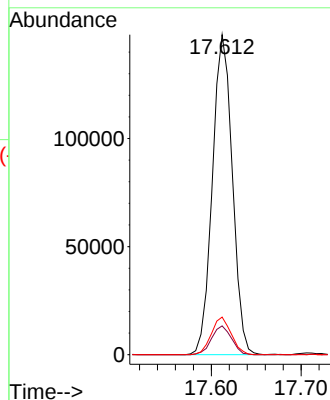
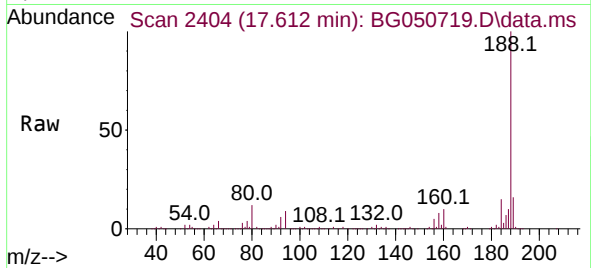




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

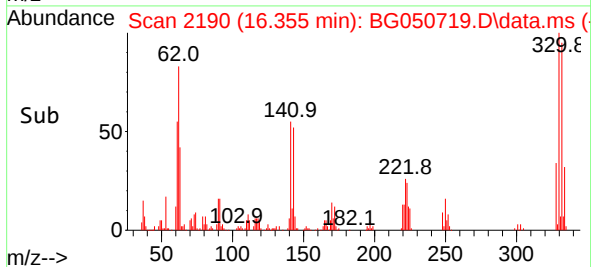
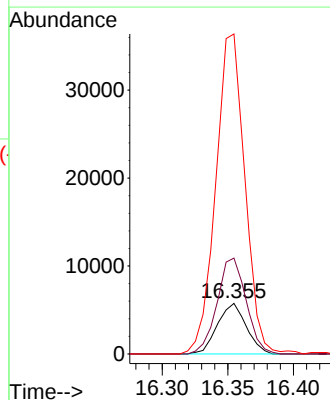
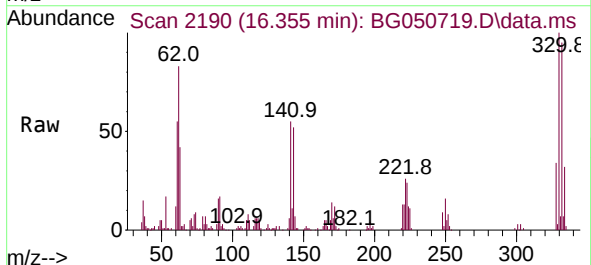
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

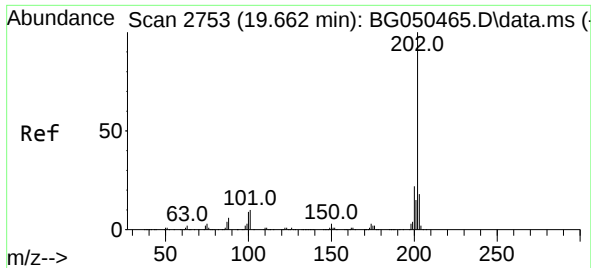
Tgt Ion:188 Resp: 228658
Ion Ratio Lower Upper
188 100
94 9.0 5.4 8.0#
80 11.7 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.804 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.447 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:248 Resp: 8765
Ion Ratio Lower Upper
248 100
250 189.5 76.1 114.1#
141 632.9 65.4 98.2#

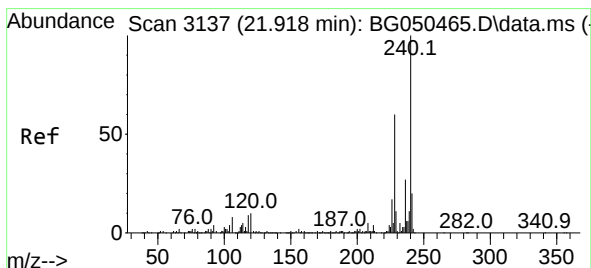
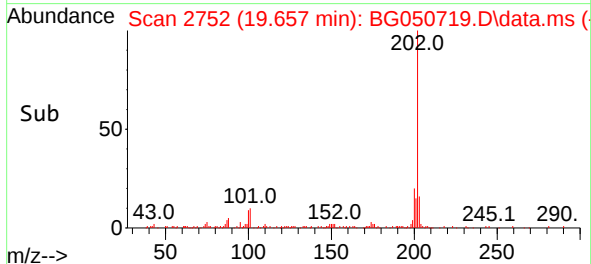
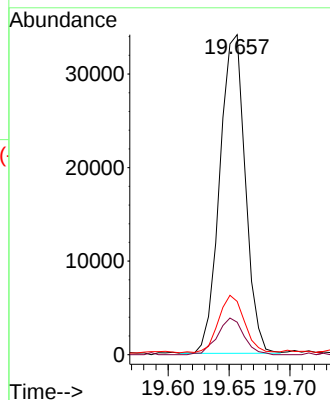
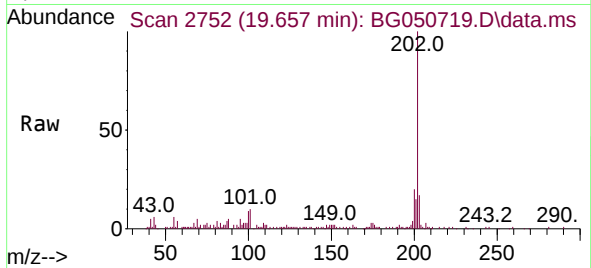




#75
Fluoranthene
Concen: 3.348 ng
RT: 19.657 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

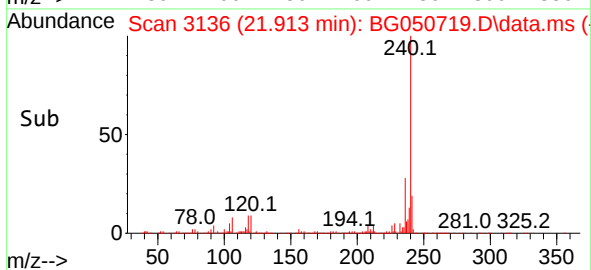
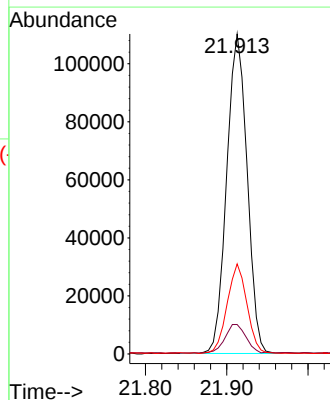
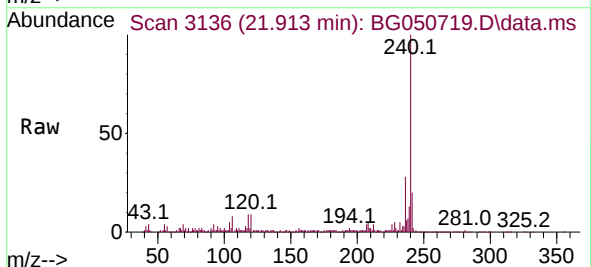
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

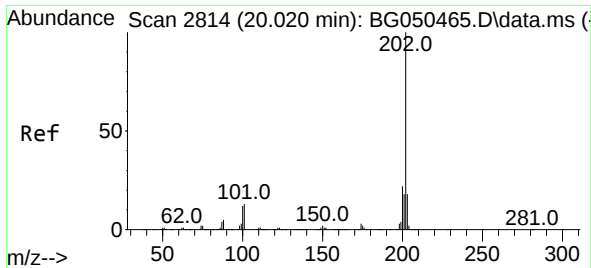
Tgt Ion:	202	Resp:	49588
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	24.7
203	16.6	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:	240	Resp:	192210
Ion Ratio	Lower	Upper	
240	100		
120	9.2	4.2	6.2#
236	28.1	21.8	32.6

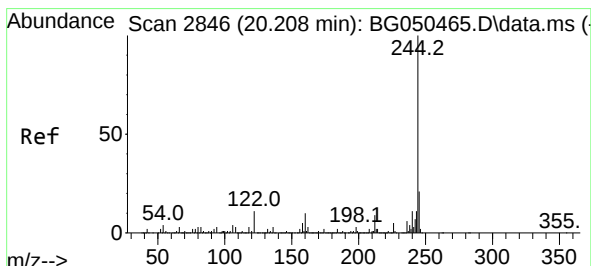
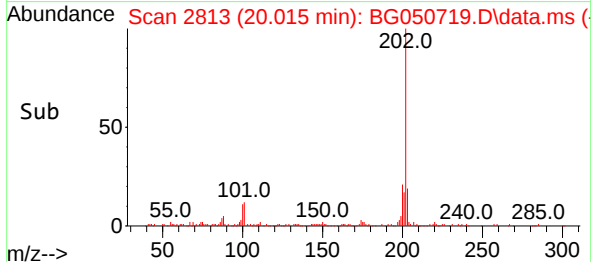
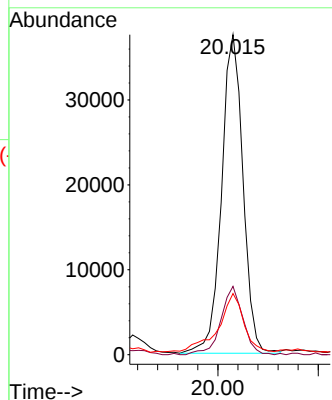
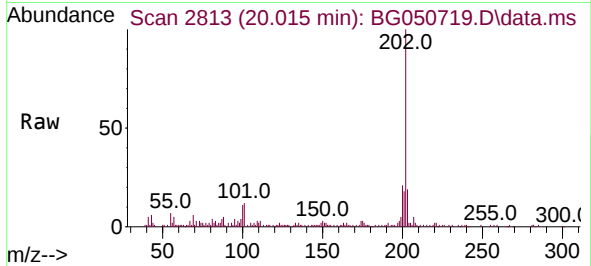




#78
Pyrene
Concen: 4.082 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

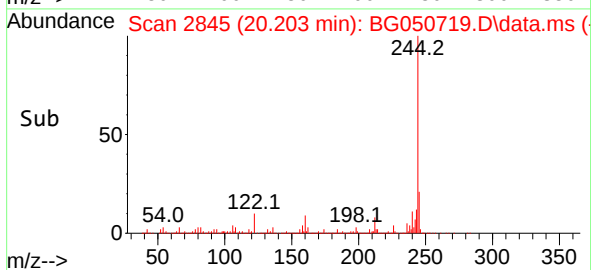
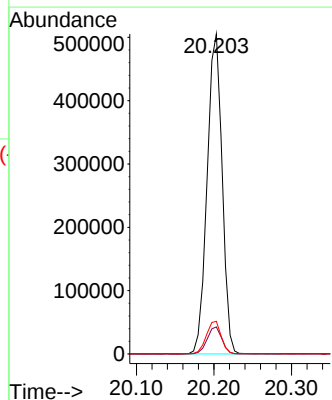
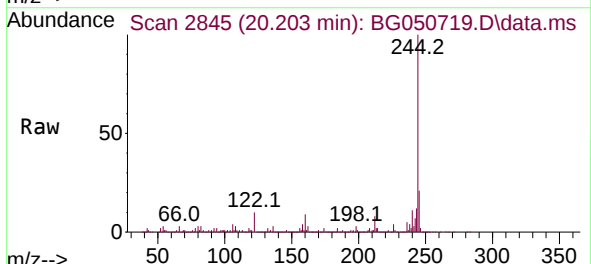
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

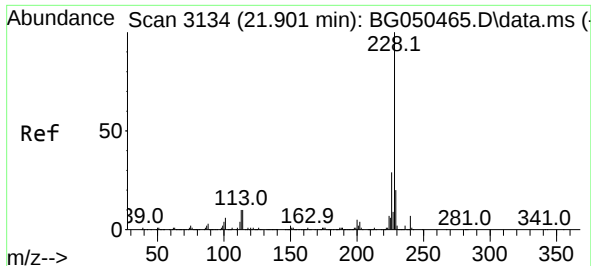
Tgt Ion:202	Resp:	55661
Ion Ratio	Lower	Upper
202	100	
200	21.4	15.8 23.8
203	19.1	14.6 21.8



#79
Terphenyl-d14
Concen: 68.773 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:244	Resp:	678295
Ion Ratio	Lower	Upper
244	100	
212	8.4	6.9 10.3
122	10.2	5.0 7.6#

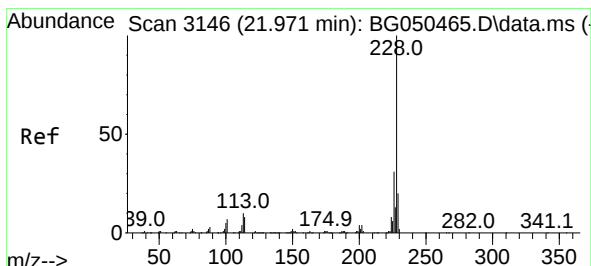
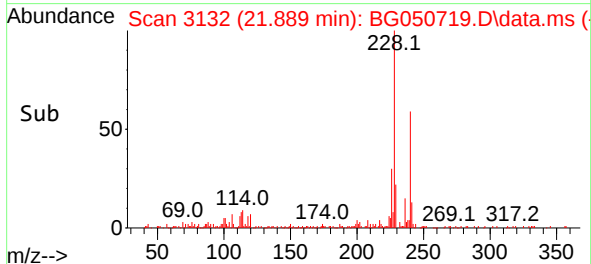
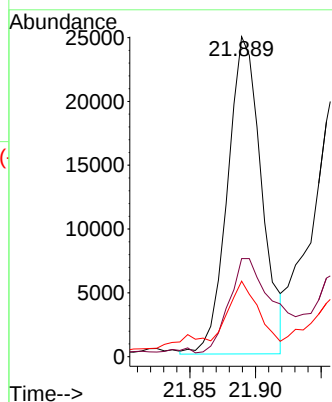
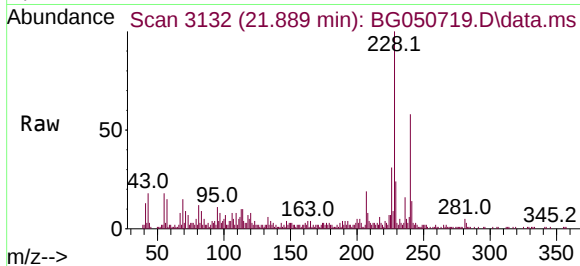




#81
Benzo(a)anthracene
Concen: 3.536 ng
RT: 21.889 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

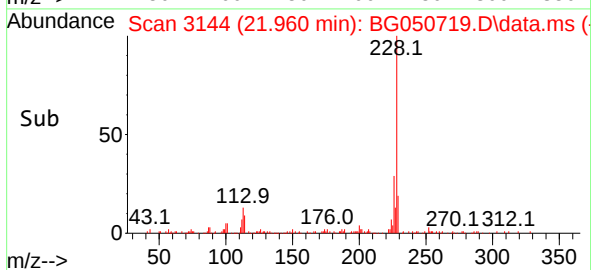
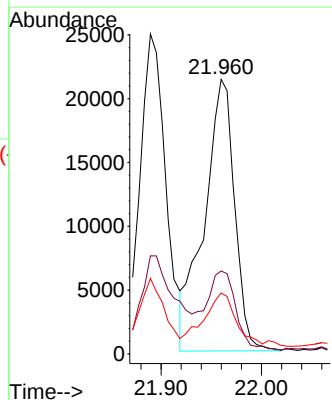
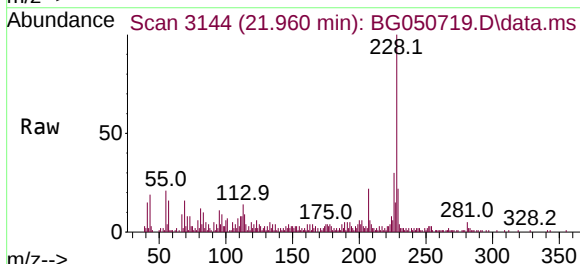
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

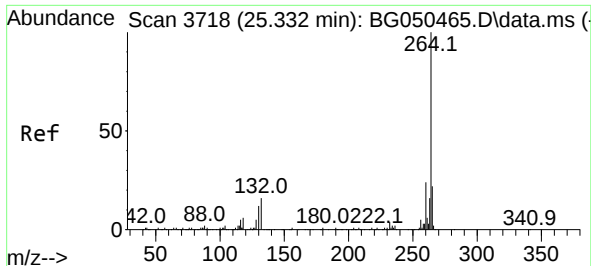
Tgt Ion:228 Resp: 44966
Ion Ratio Lower Upper
228 100
226 30.6 22.7 34.1
229 23.6 16.0 24.0



#83
Chrysene
Concen: 3.753 ng
RT: 21.960 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:228 Resp: 44893
Ion Ratio Lower Upper
228 100
226 30.2 23.1 34.7
229 22.2 15.3 22.9

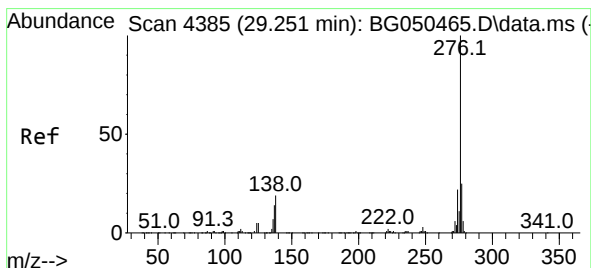
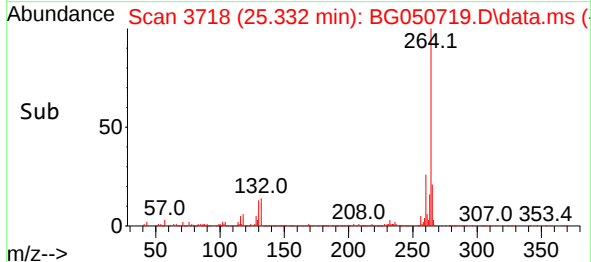
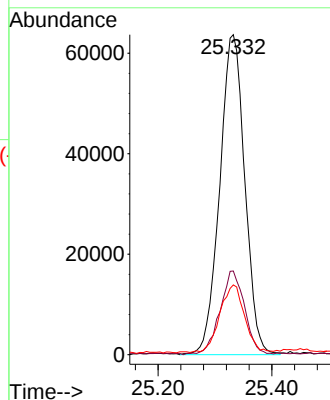
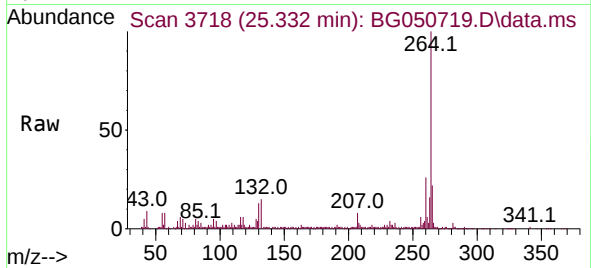




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.332 min Scan# 3718
 Delta R.T. -0.000 min
 Lab File: BG050719.D
 Acq: 25 Oct 2021 20:49

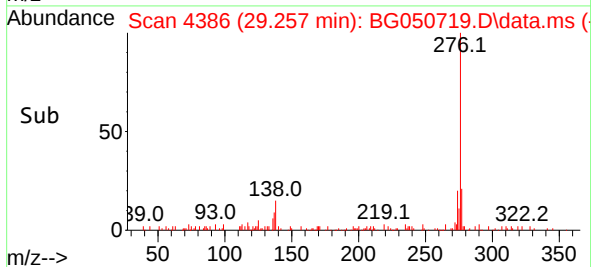
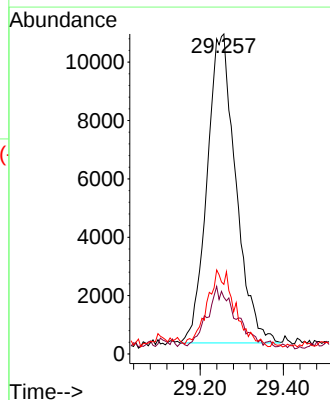
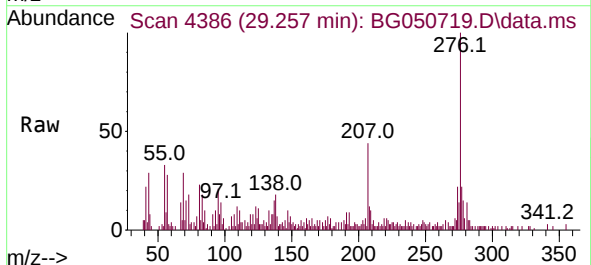
Instrument :
 BNA_G
 ClientSampleId :
 WC-2-ES

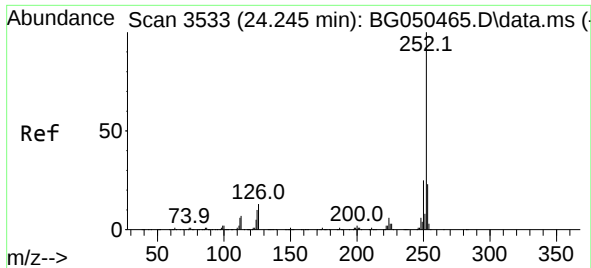
Tgt Ion:	264	Resp:	195117
Ion Ratio	Lower	Upper	
264	100		
260	26.1	19.4	29.2
265	21.8	16.9	25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.734 ng
 RT: 29.257 min Scan# 4386
 Delta R.T. -0.006 min
 Lab File: BG050719.D
 Acq: 25 Oct 2021 20:49

Tgt Ion:	276	Resp:	50744
Ion Ratio	Lower	Upper	
276	100		
138	18.5	5.1	7.7#
277	24.1	19.8	29.6

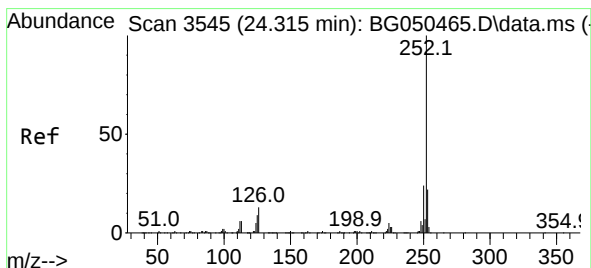
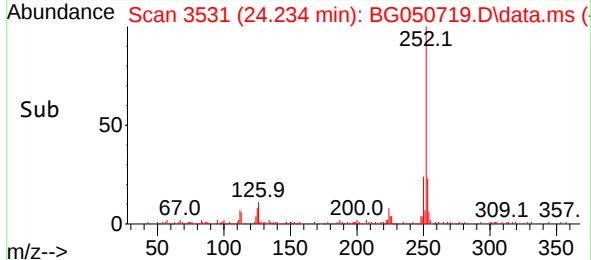
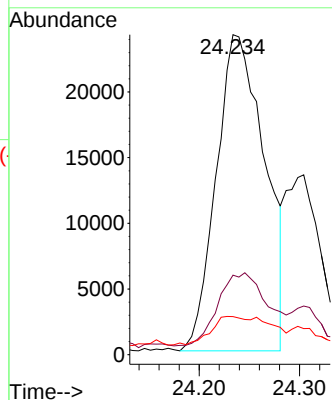
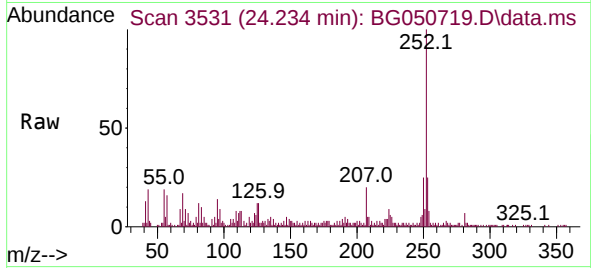




#88
Benzo(b)fluoranthene
Concen: 6.775 ng
RT: 24.234 min Scan# 3531
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

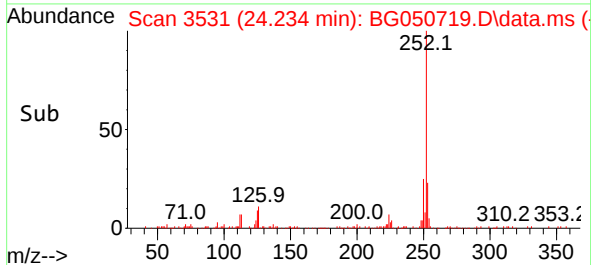
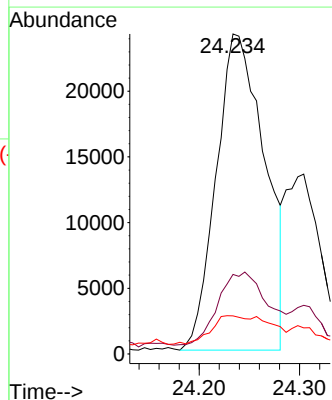
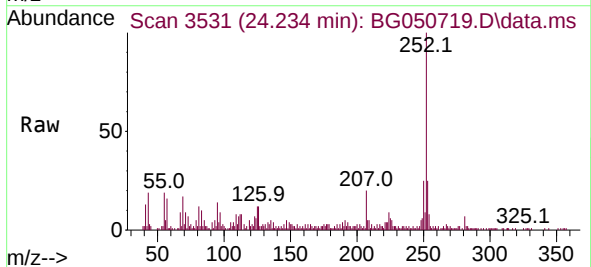
Instrument :
BNA_G
ClientSampleId :
WC-2-ES

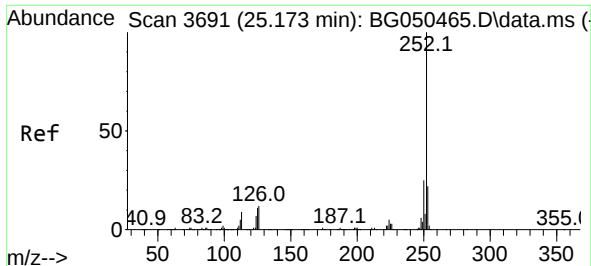
Tgt Ion:252 Resp: 80954
Ion Ratio Lower Upper
252 100
253 24.8 16.2 24.4#
125 11.9 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 6.886 ng
RT: 24.234 min Scan# 3531
Delta R.T. -0.082 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:252 Resp: 80954
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 11.9 3.1 4.7#

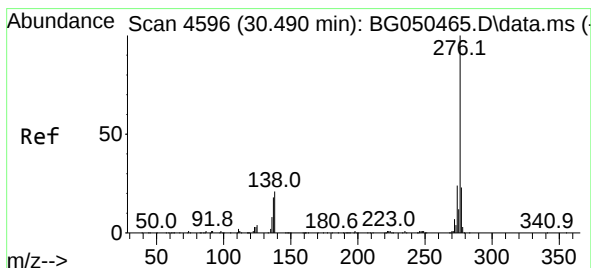
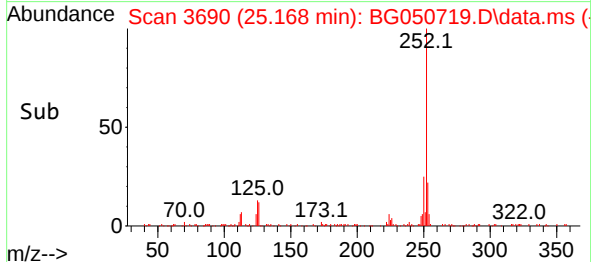
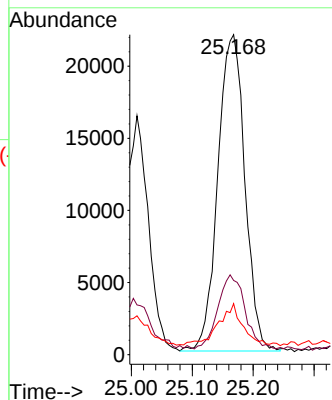
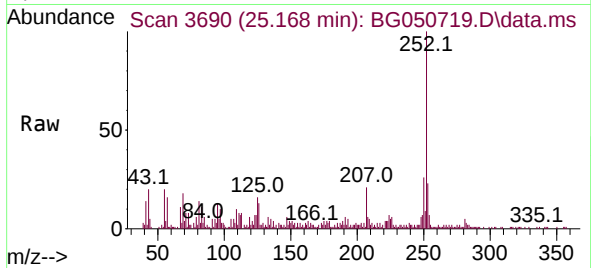




#90
Benzo(a)pyrene
Concen: 6.658 ng
RT: 25.168 min Scan# 3690
Delta R.T. -0.006 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Instrument :
BNA_G
ClientSampleId :
WC-2-ES

Tgt Ion:252 Resp: 67647
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 16.0 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 4.755 ng
RT: 30.485 min Scan# 4595
Delta R.T. -0.012 min
Lab File: BG050719.D
Acq: 25 Oct 2021 20:49

Tgt Ion:276 Resp: 52343
Ion Ratio Lower Upper
276 100
277 25.3 18.4 27.6
138 22.7 7.0 10.6#

