

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
 Data File : BG050654.D
 Acq On : 20 Oct 2021 20:54
 Operator : CG/JU
 Sample : M4249-07DL2 8X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-(S)DL2

Quant Time: Oct 21 03:18:21 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)

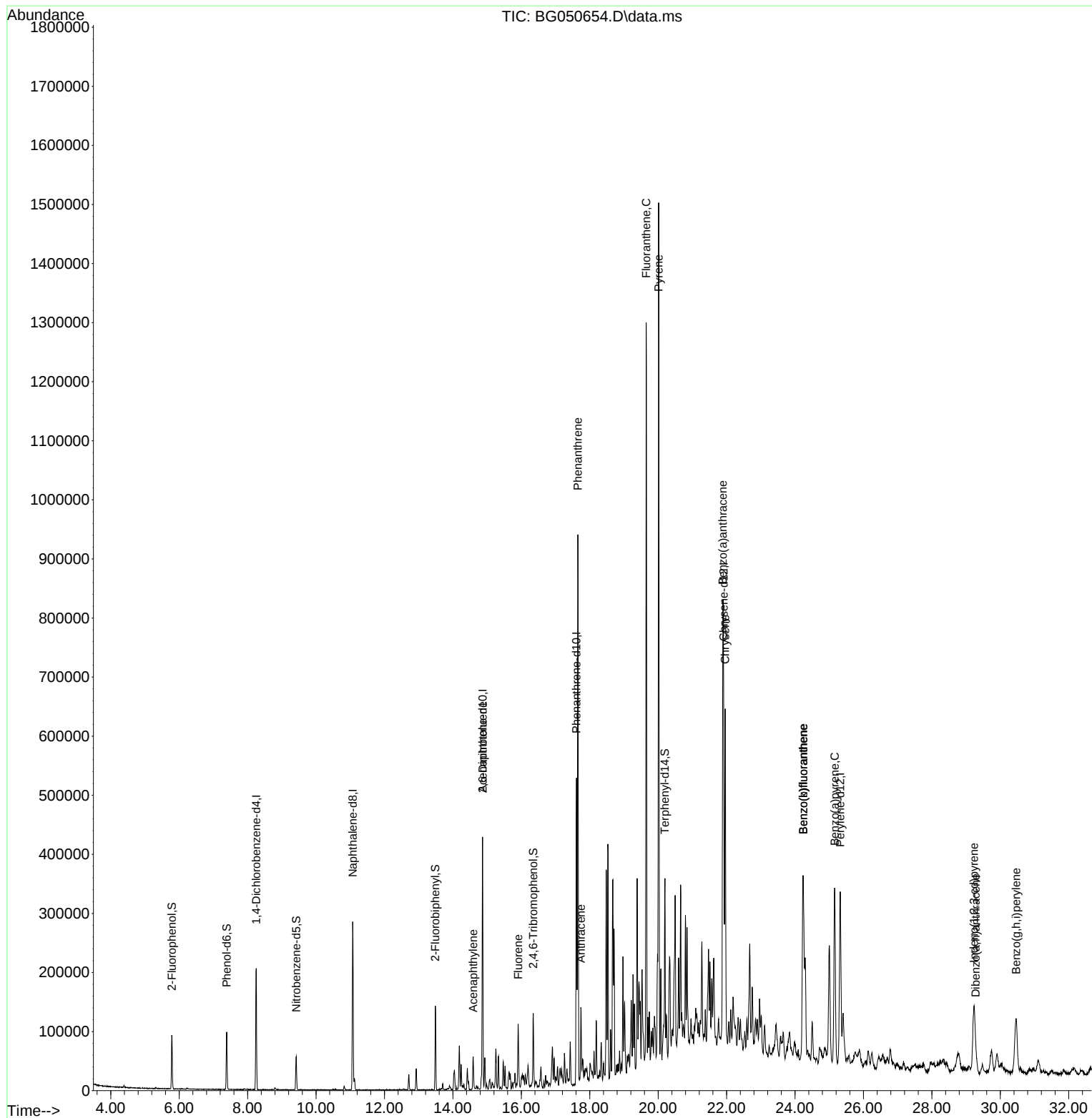
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	55724	20.000	ng	0.00
21) Naphthalene-d8	11.072	136	234450	20.000	ng	#-0.01
39) Acenaphthene-d10	14.868	164	146126	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	310186	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	276945	20.000	ng	#-0.01
86) Perylene-d12	25.320	264	280592	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	39330	10.555	ng	0.00
7) Phenol-d6	7.389	99	54530	10.108	ng	-0.01
23) Nitrobenzene-d5	9.421	82	37079	6.547	ng	0.00
42) 2,4,6-Tribromophenol	16.349	330	13103	9.401	ng	-0.01
45) 2-Fluorobiphenyl	13.487	172	71006	7.313	ng	-0.02
79) Terphenyl-d14	20.197	244	101504	7.143	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.592	152	31510	2.350	ng	96
51) 2,6-Dinitrotoluene	14.868	165	21209	9.587	ng	# 12
58) Fluorene	15.908	166	44005	4.299	ng	94
71) Phenanthrene	17.653	178	564265	34.521	ng	98
72) Anthracene	17.741	178	85986	5.294	ng	98
75) Fluoranthene	19.651	202	758178	37.734	ng	95
78) Pyrene	20.015	202	845180	43.013	ng	96
81) Benzo(a)anthracene	21.889	228	425353	23.211	ng	98
83) Chrysene	21.960	228	384510	22.307	ng	94
87) Indeno(1,2,3-cd)pyrene	29.228	276	194692	9.962	ng	# 90
88) Benzo(b)fluoranthene	24.239	252	407118	23.691	ng	# 92
89) Benzo(k)fluoranthene	24.239	252	407118	24.082	ng	# 96
90) Benzo(a)pyrene	25.162	252	325815	22.300	ng	# 95
91) Dibenzo(a,h)anthracene	29.281	278	55541	3.436	ng	# 88
92) Benzo(g,h,i)perylene	30.467	276	188001	11.875	ng	# 89

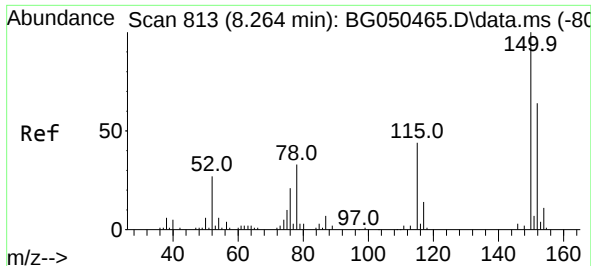
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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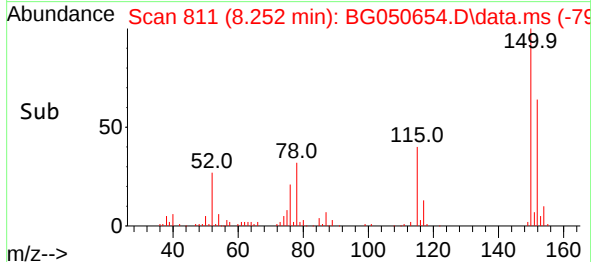
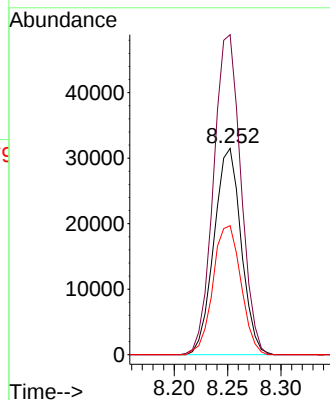
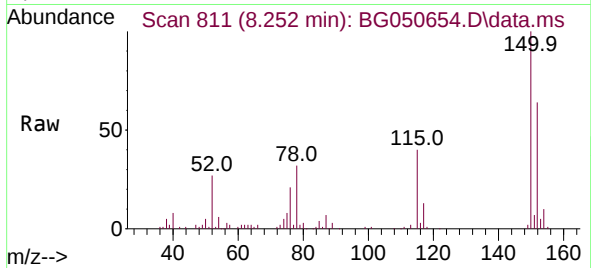




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

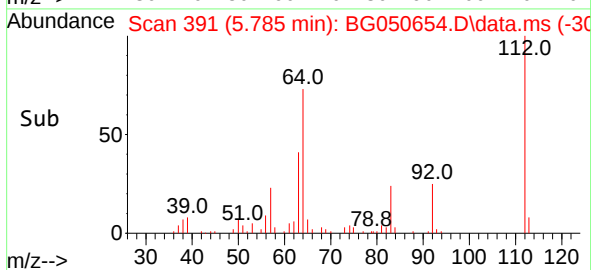
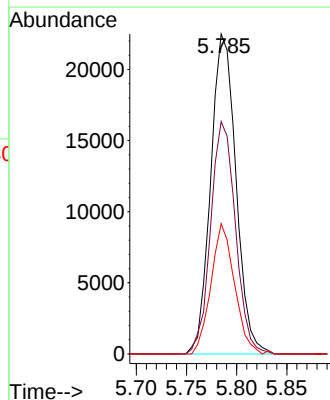
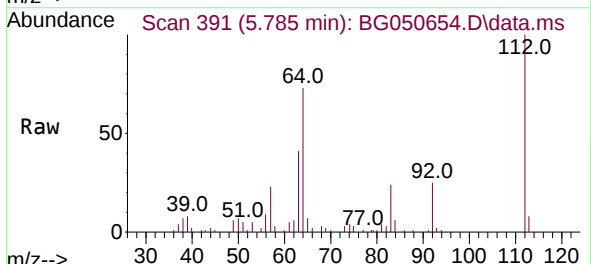
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

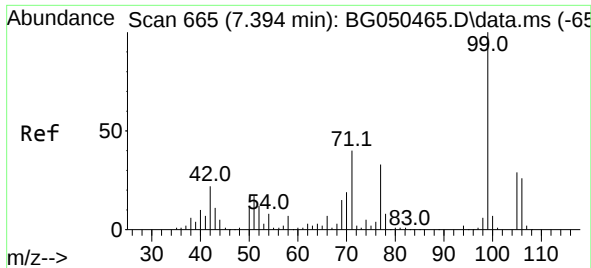
Tgt Ion:152 Resp: 55724
Ion Ratio Lower Upper
152 100
150 155.1 119.4 179.0
115 62.5 60.2 90.4



#5
2-Fluorophenol
Concen: 10.555 ng
RT: 5.785 min Scan# 391
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:112 Resp: 39330
Ion Ratio Lower Upper
112 100
64 72.6 46.7 70.1#
63 40.7 35.3 52.9

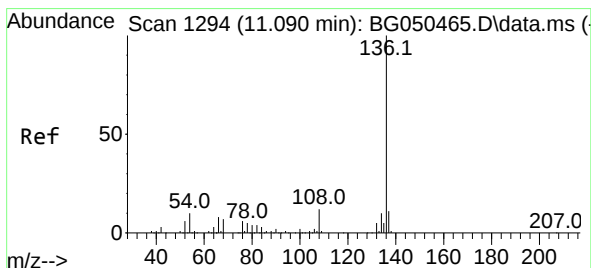
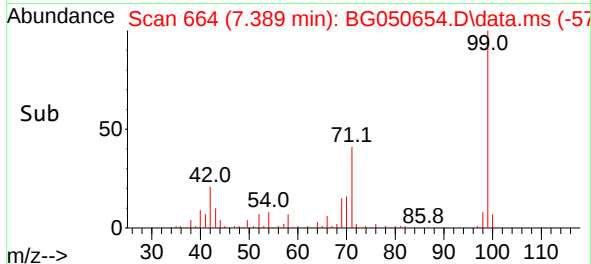
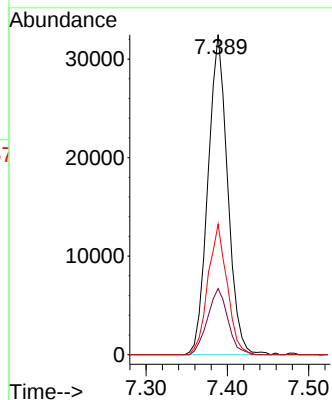
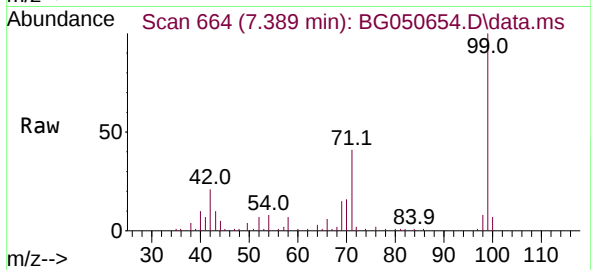




#7
Phenol-d6
Concen: 10.108 ng
RT: 7.389 min Scan# 664
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

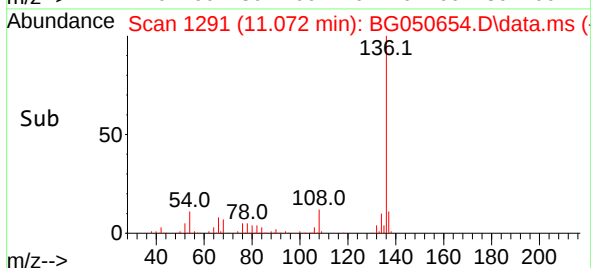
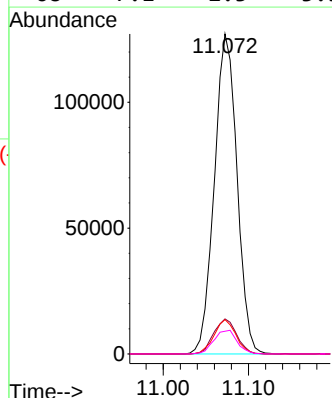
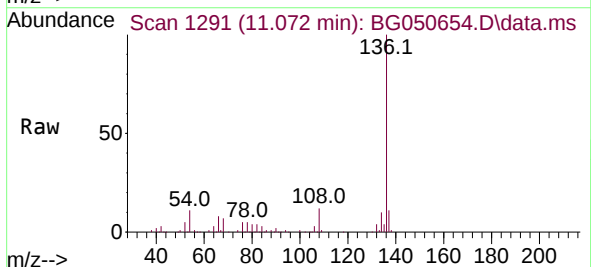
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

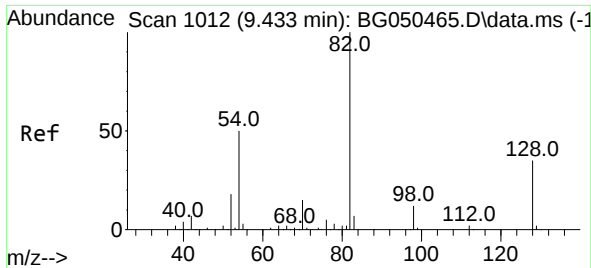
Tgt Ion: 99 Resp: 54530
Ion Ratio Lower Upper
99 100
42 20.6 20.5 30.7
71 40.8 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.072 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion: 136 Resp: 234450
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.2
54 10.7 5.5 8.3#
68 7.1 2.3 3.5#

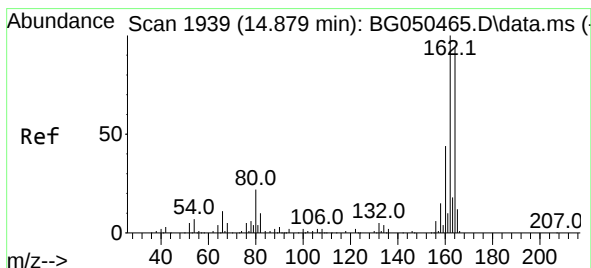
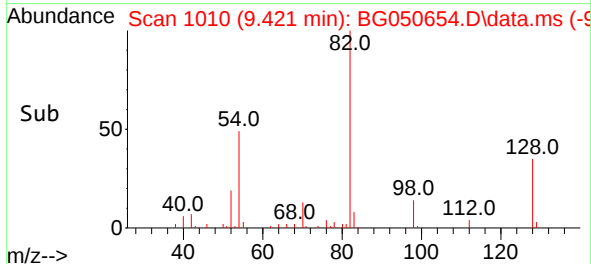
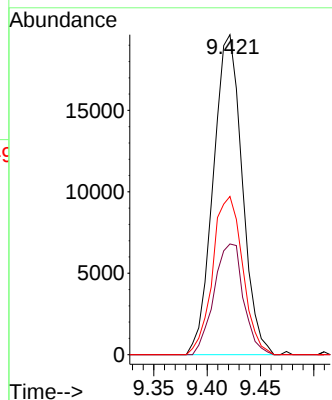
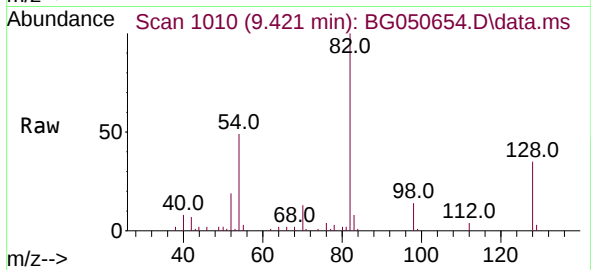




#23
Nitrobenzene-d5
Concen: 6.547 ng
RT: 9.421 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

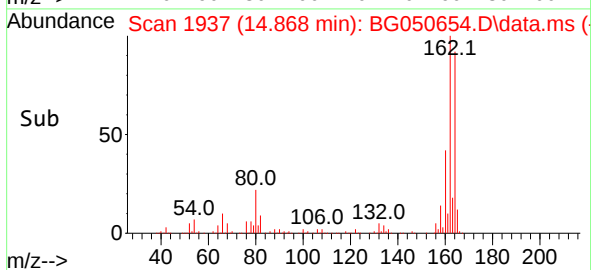
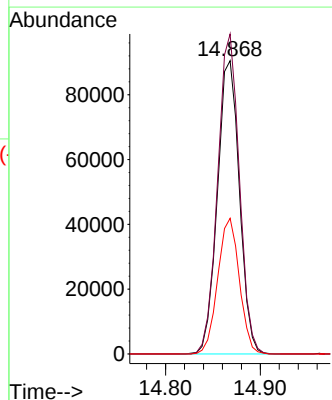
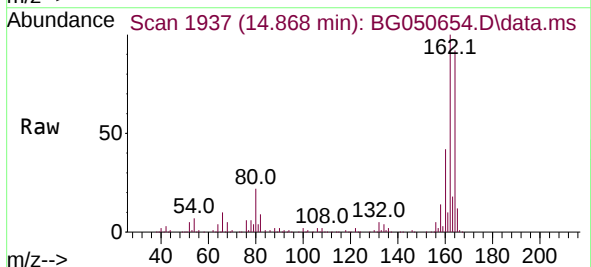
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

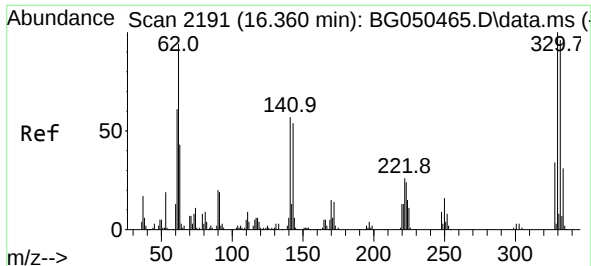
Tgt Ion: 82 Resp: 37079
Ion Ratio Lower Upper
82 100
128 34.6 29.8 44.6
54 49.5 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion: 164 Resp: 146126
Ion Ratio Lower Upper
164 100
162 109.1 81.4 122.0
160 46.3 34.9 52.3

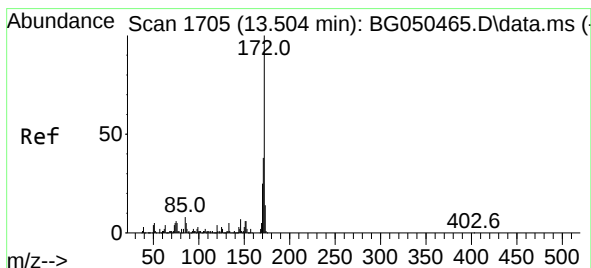
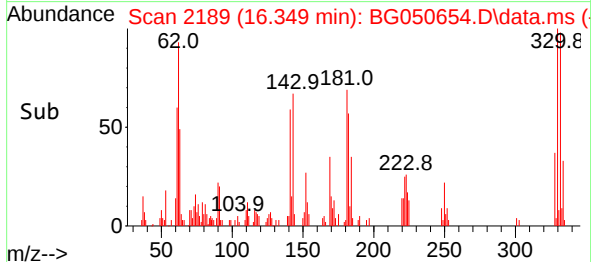
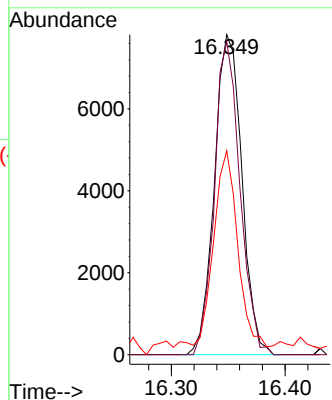
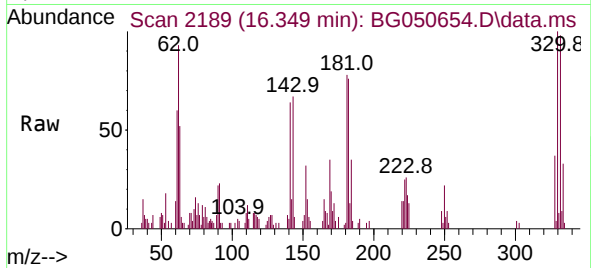




#42
2,4,6-Tribromophenol
Concen: 9.401 ng
RT: 16.349 min Scan# 2189
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

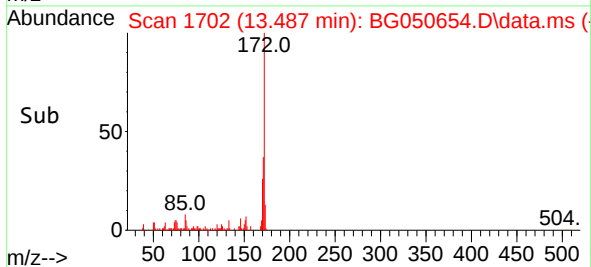
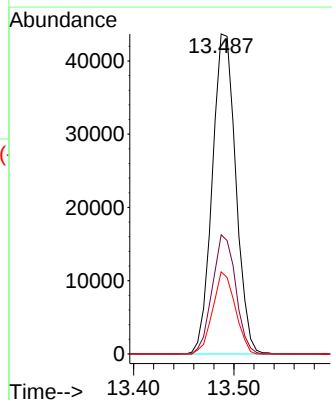
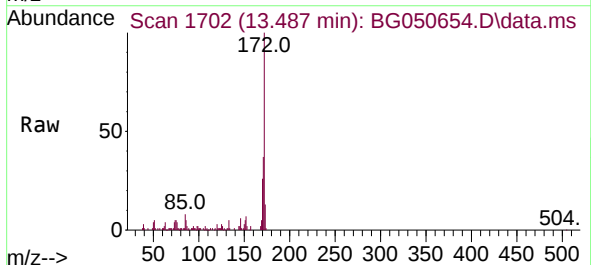
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

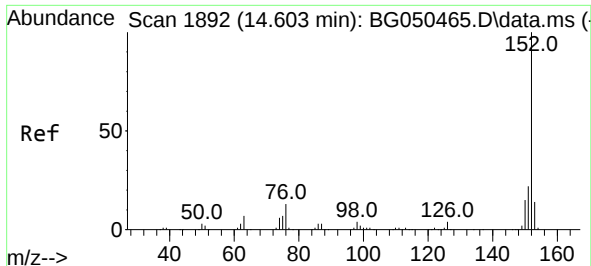
Tgt Ion:330 Resp: 13103
Ion Ratio Lower Upper
330 100
332 91.3 77.3 115.9
141 59.0 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 7.313 ng
RT: 13.487 min Scan# 1702
Delta R.T. -0.018 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:172 Resp: 71006
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 25.6 18.6 27.8

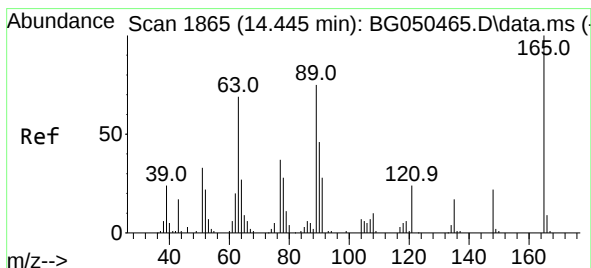
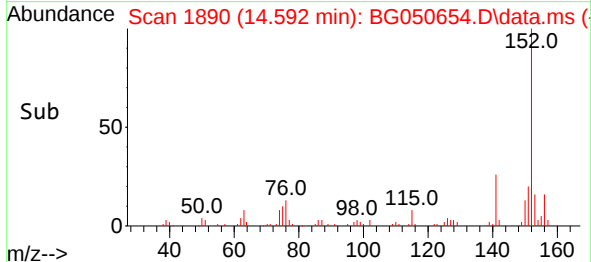
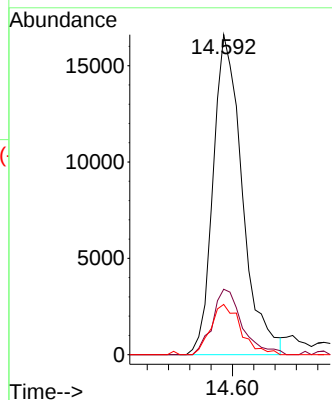
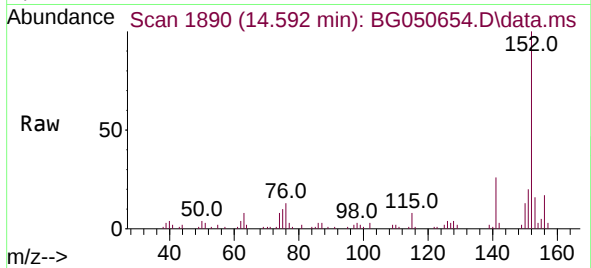




#49
Acenaphthylene
Concen: 2.350 ng
RT: 14.592 min Scan# 1890
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

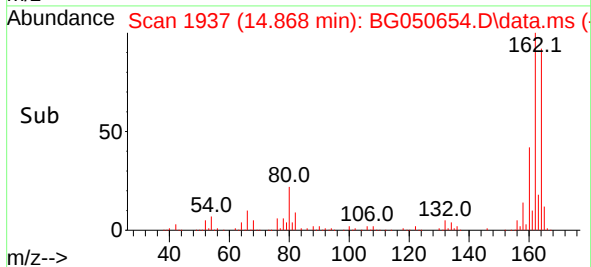
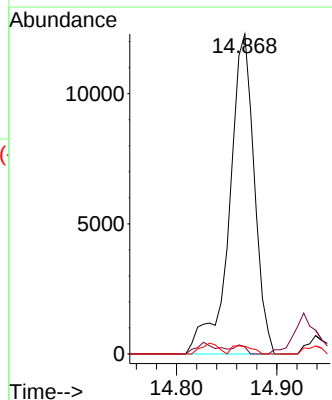
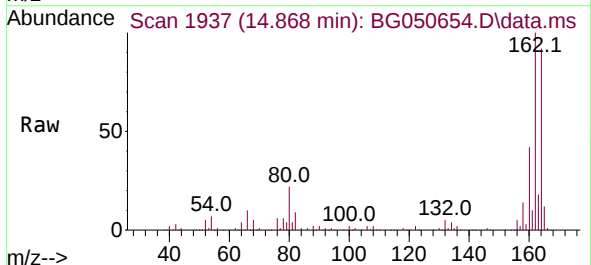
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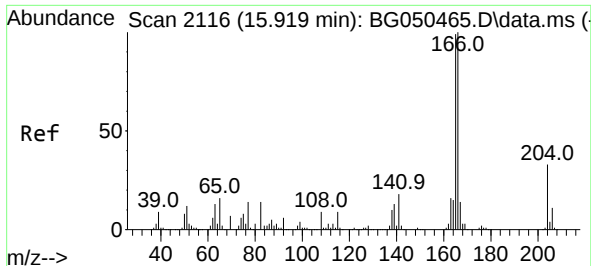
Tgt Ion:152 Resp: 31510
Ion Ratio Lower Upper
152 100
151 20.5 18.2 27.4
153 15.7 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 9.587 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:165 Resp: 21209
Ion Ratio Lower Upper
165 100
63 2.2 63.3 94.9#
89 2.4 63.4 95.0#

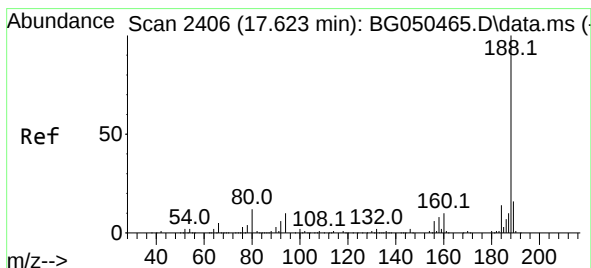
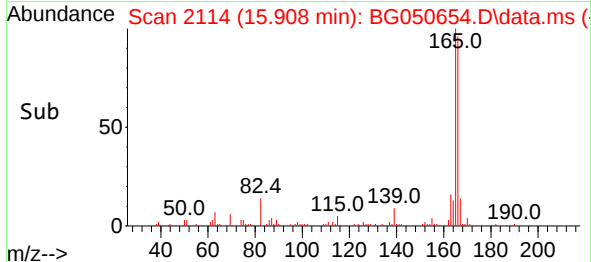
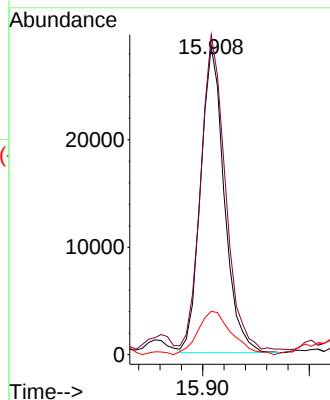
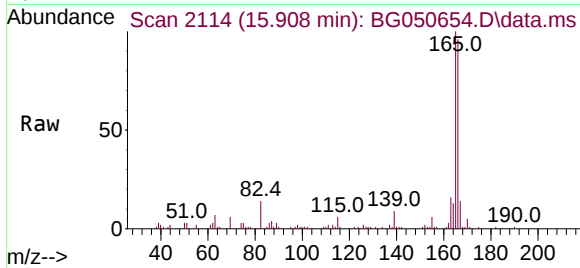




#58
Fluorene
Concen: 4.299 ng
RT: 15.908 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

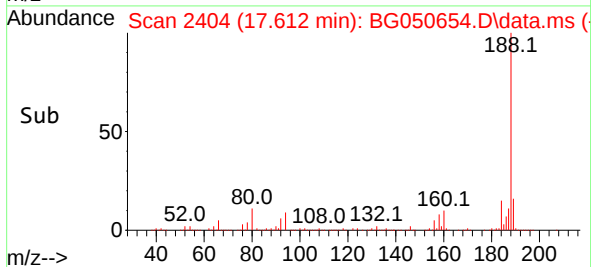
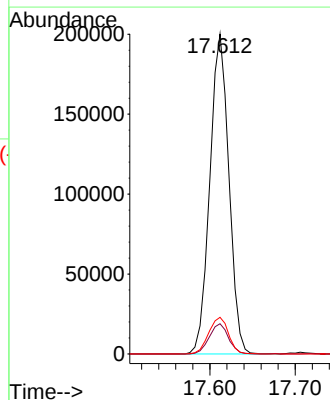
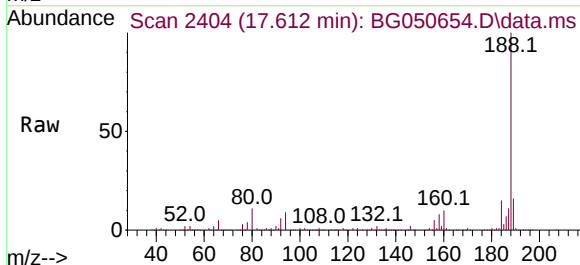
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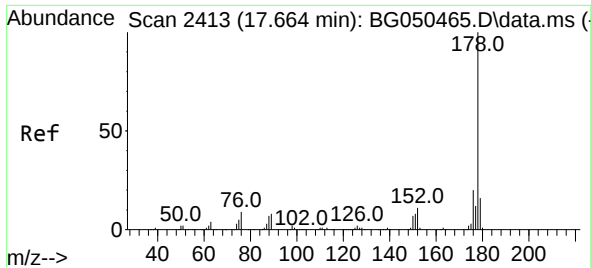
Tgt Ion:166	Resp:	44005
Ion Ratio	Lower	Upper
166	100	
165	103.7	77.7 116.5
167	14.1	10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:188	Resp:	310186
Ion Ratio	Lower	Upper
188	100	
94	9.5	5.4 8.0#
80	11.4	3.7 5.5#

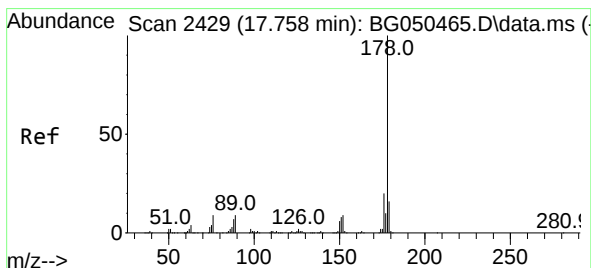
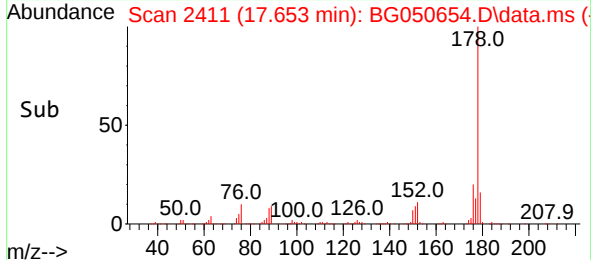
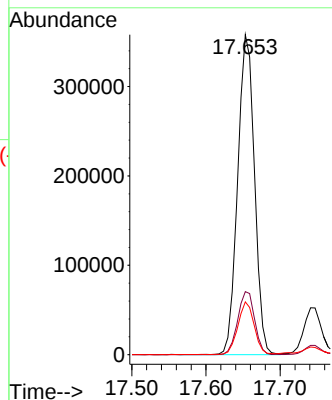
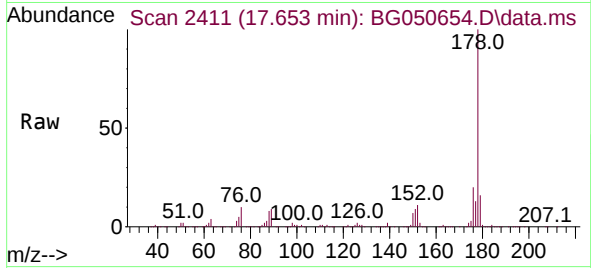




#71
Phenanthrene
Concen: 34.521 ng
RT: 17.653 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

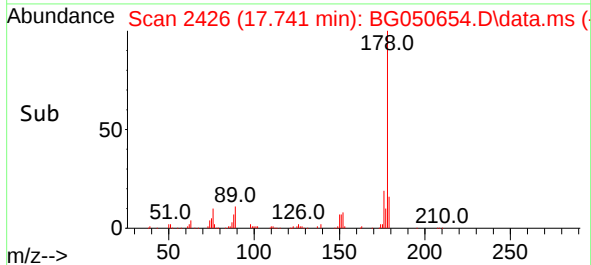
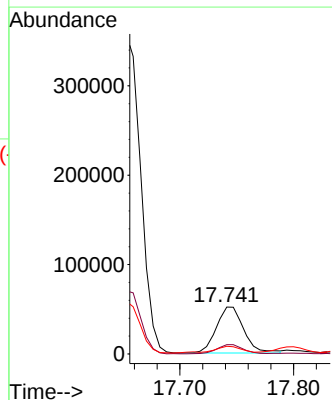
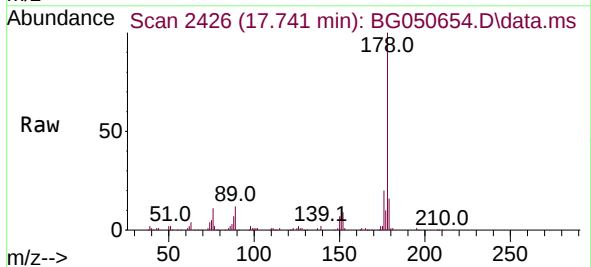
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

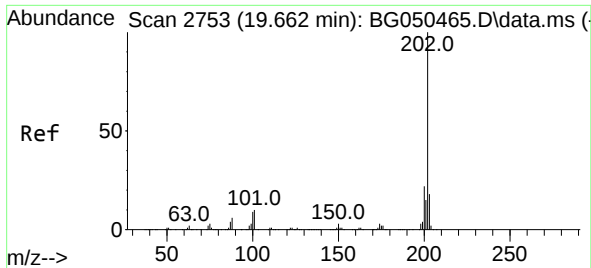
Tgt Ion:178 Resp: 564265
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.5 14.2 21.4



#72
Anthracene
Concen: 5.294 ng
RT: 17.741 min Scan# 2426
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:178 Resp: 85986
Ion Ratio Lower Upper
178 100
176 19.7 14.6 21.8
179 16.2 13.4 20.0

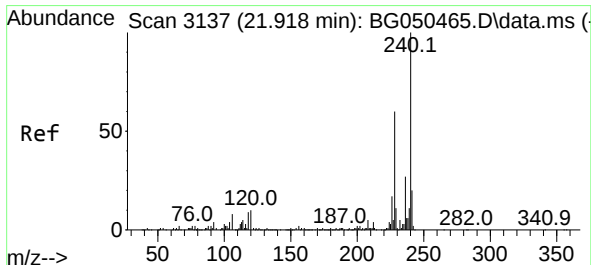
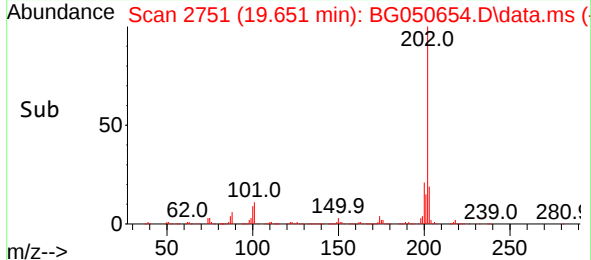
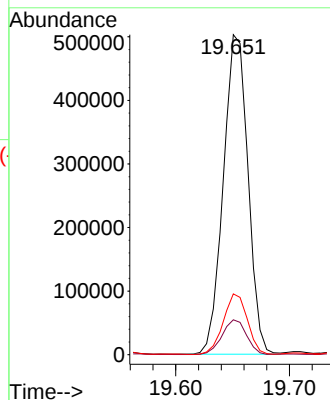
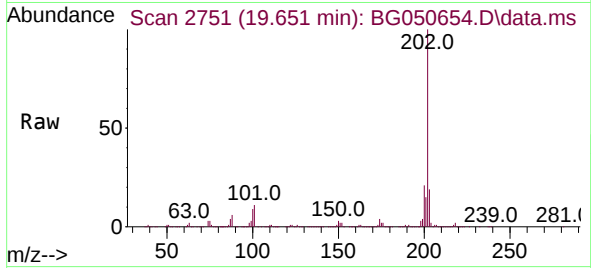




#75
Fluoranthene
Concen: 37.734 ng
RT: 19.651 min Scan# 2751
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

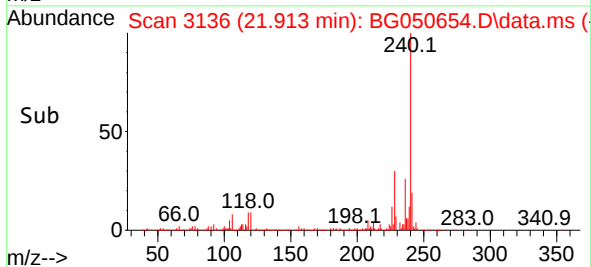
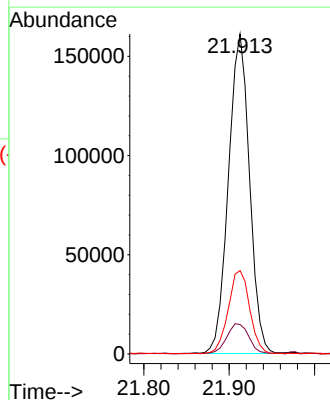
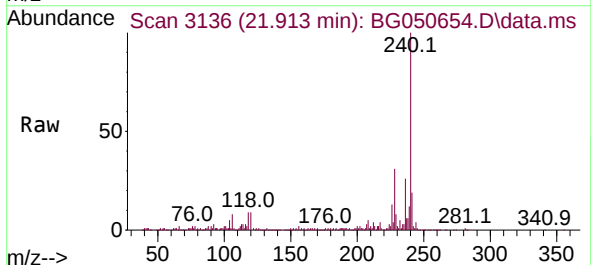
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

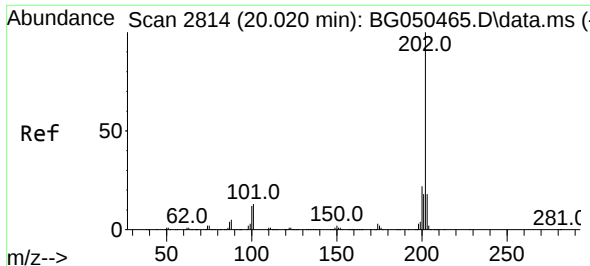
Tgt Ion:202 Resp: 758178
Ion Ratio Lower Upper
202 100
101 10.9 0.0 24.7
203 19.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:240 Resp: 276945
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 26.0 21.8 32.6

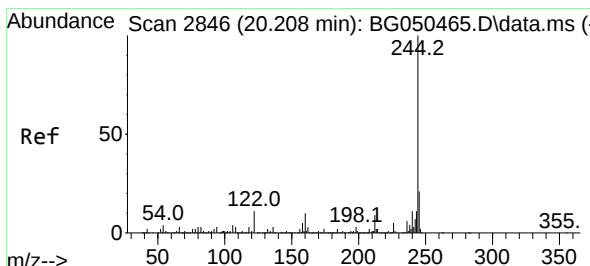
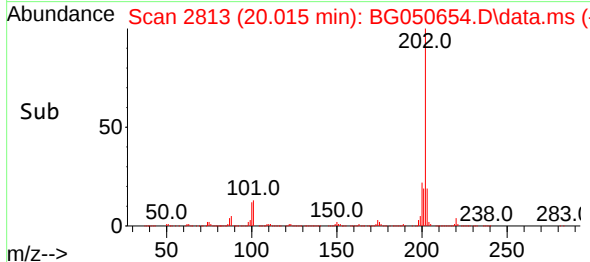
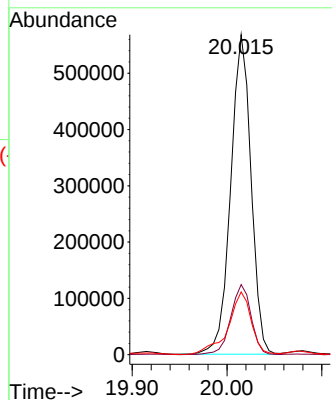
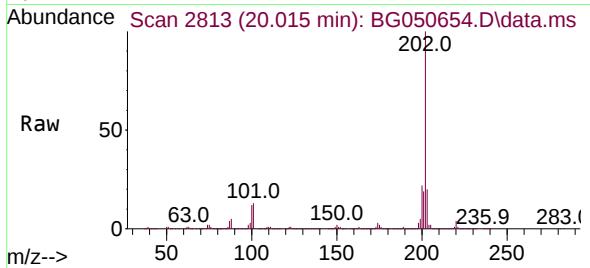




#78
Pyrene
Concen: 43.013 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

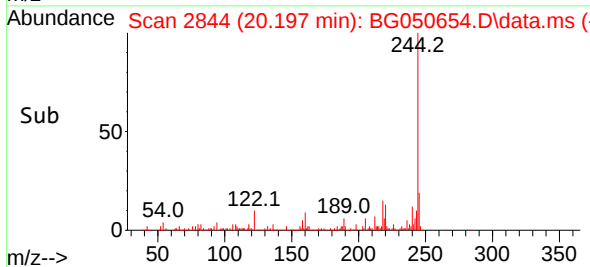
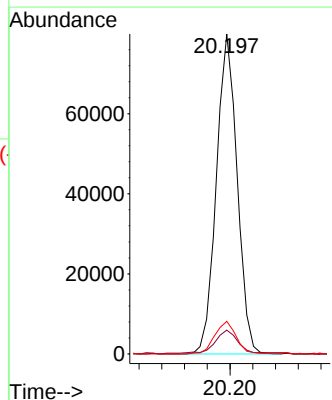
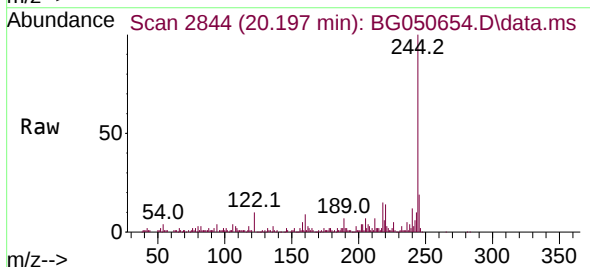
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

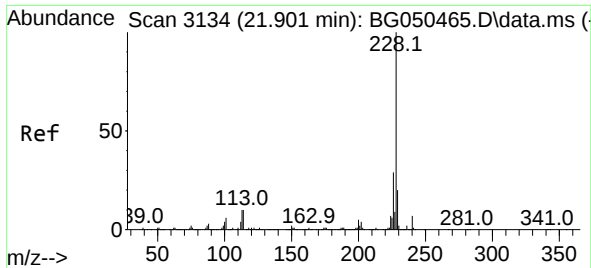
Tgt Ion:202 Resp: 845180
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 19.6 14.6 21.8



#79
Terphenyl-d14
Concen: 7.143 ng
RT: 20.197 min Scan# 2844
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:244 Resp: 101504
Ion Ratio Lower Upper
244 100
212 7.5 6.9 10.3
122 10.2 5.0 7.6#

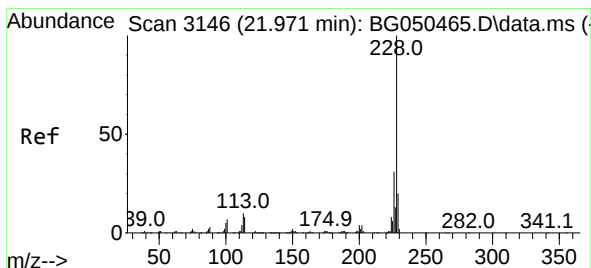
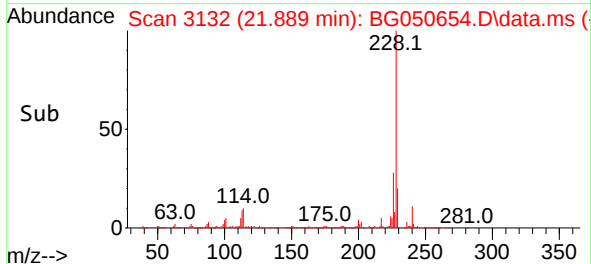
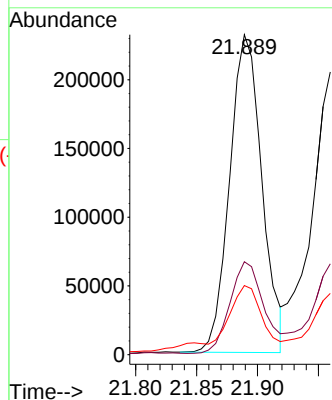
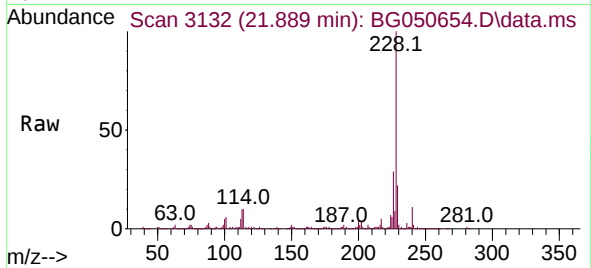




#81
Benzo(a)anthracene
Concen: 23.211 ng
RT: 21.889 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

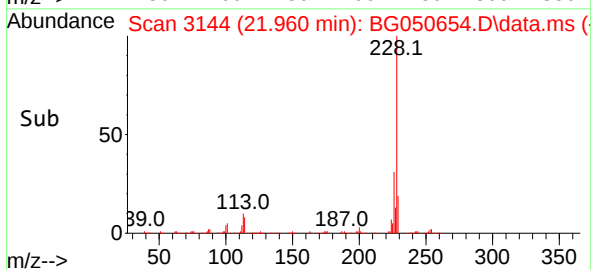
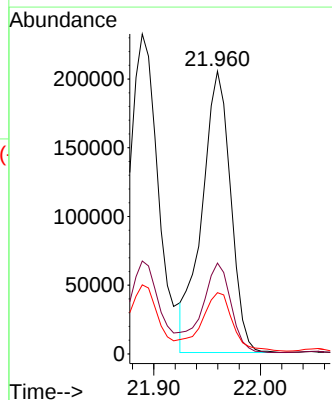
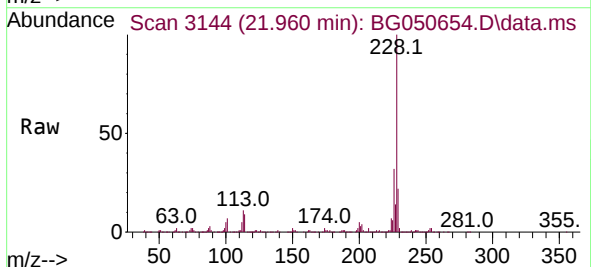
Instrument :
BNA_G
ClientSampled :
TP2-(S)DL2

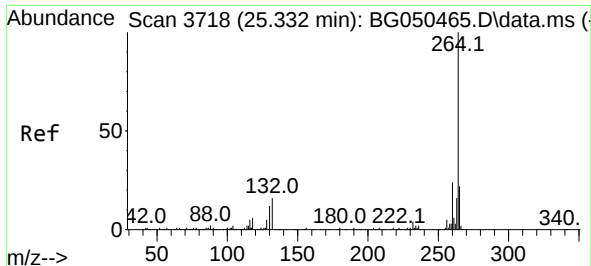
Tgt Ion:228 Resp: 425353
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 21.6 16.0 24.0



#83
Chrysene
Concen: 22.307 ng
RT: 21.960 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:228 Resp: 384510
Ion Ratio Lower Upper
228 100
226 32.2 23.1 34.7
229 21.7 15.3 22.9

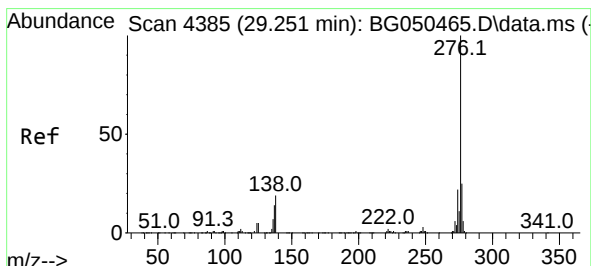
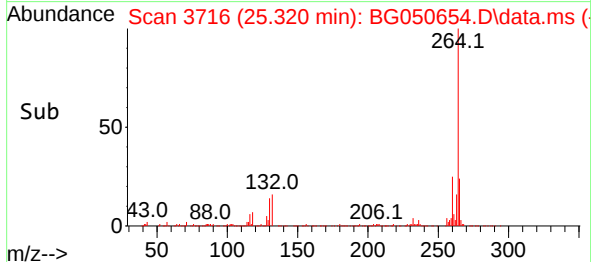
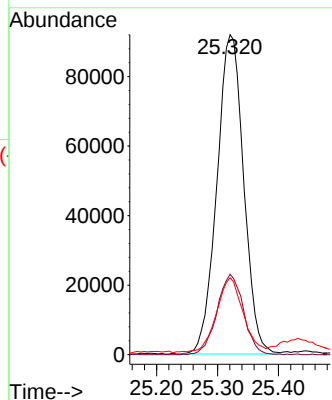
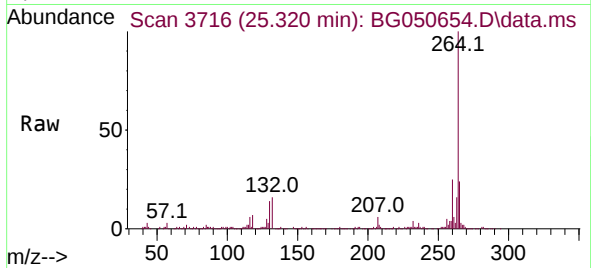




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.320 min Scan# 3716
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

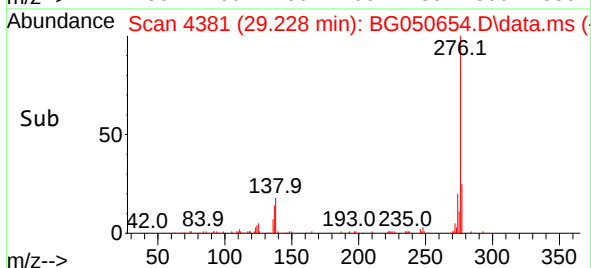
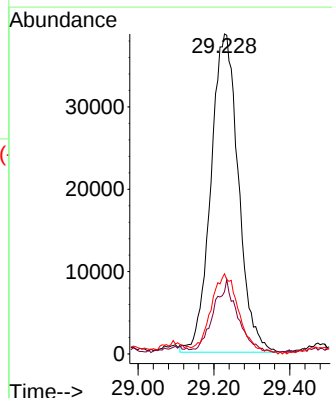
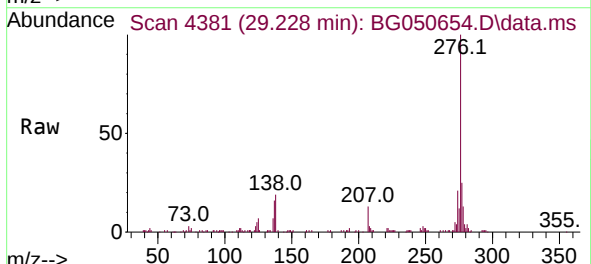
Instrument :
BNA_G
ClientSampled :
TP2-(S)DL2

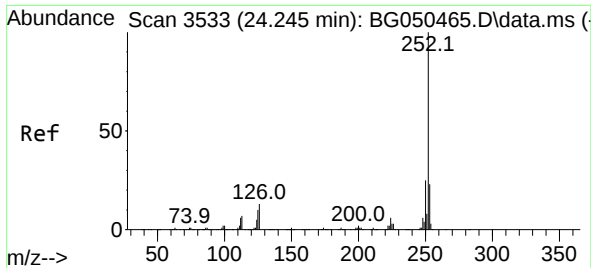
Tgt Ion:264 Resp: 280592
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.2
265 24.0 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.962 ng
RT: 29.228 min Scan# 4381
Delta R.T. -0.035 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:276 Resp: 194692
Ion Ratio Lower Upper
276 100
138 19.9 5.1 7.7#
277 26.0 19.8 29.6

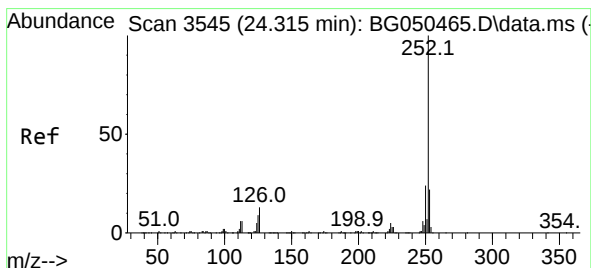
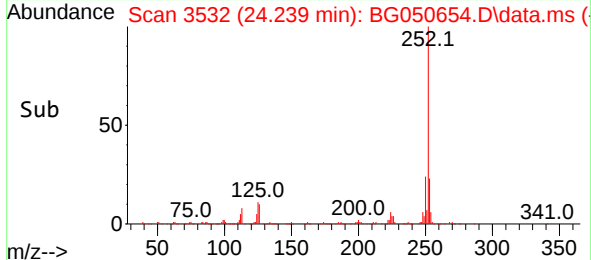
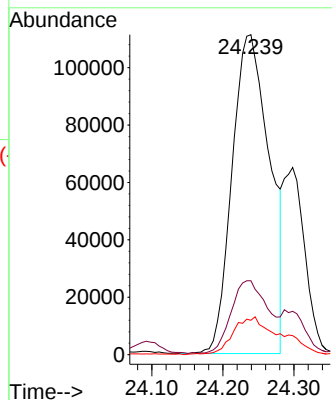
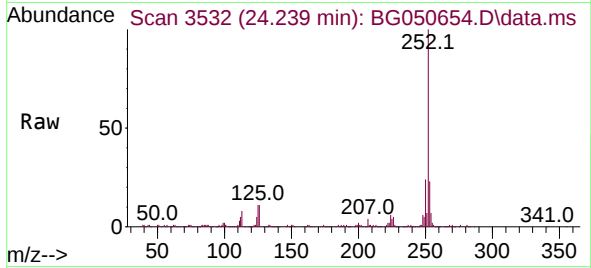




#88
Benzo(b)fluoranthene
Concen: 23.691 ng
RT: 24.239 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

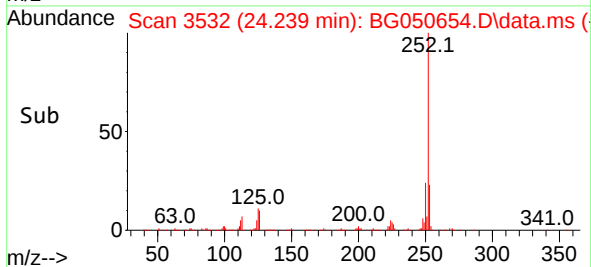
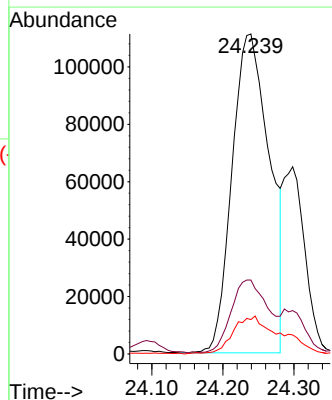
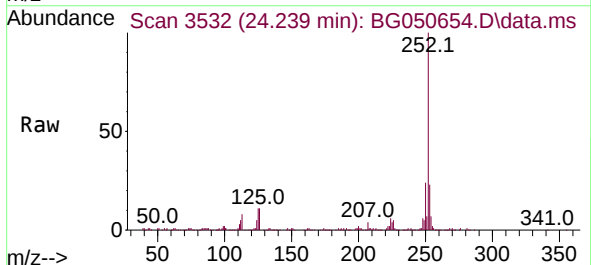
Instrument :
BNA_G
ClientSampleID :
TP2-(S)DL2

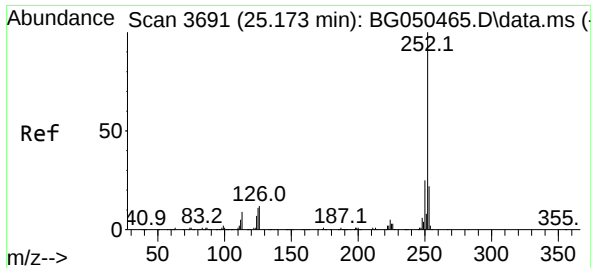
Tgt Ion:252 Resp: 407118
Ion Ratio Lower Upper
252 100
253 23.1 16.2 24.4
125 10.8 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 24.082 ng
RT: 24.239 min Scan# 3532
Delta R.T. -0.077 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:252 Resp: 407118
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 3.1 4.7#

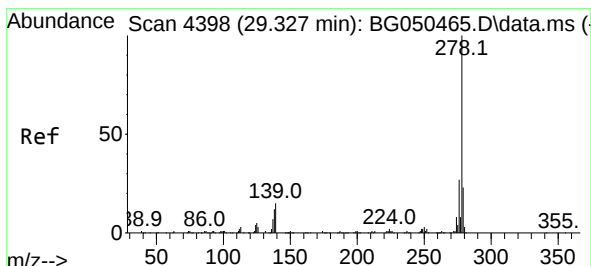
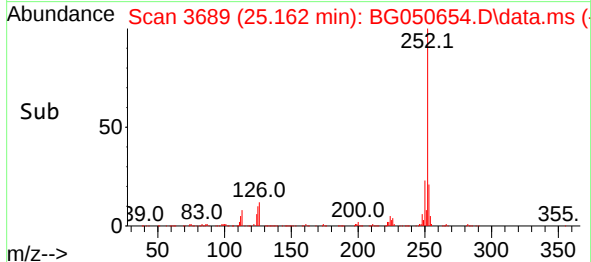
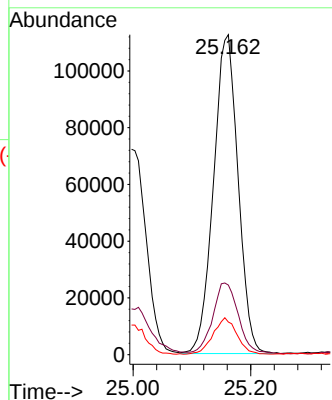
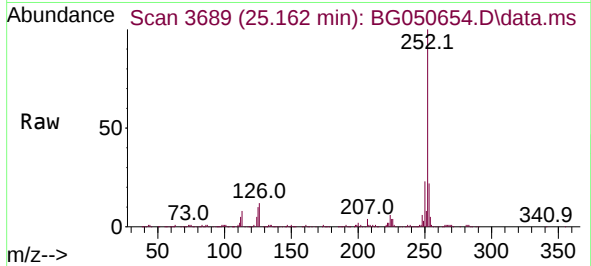




#90
Benzo(a)pyrene
Concen: 22.300 ng
RT: 25.162 min Scan# 3689
Delta R.T. -0.012 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

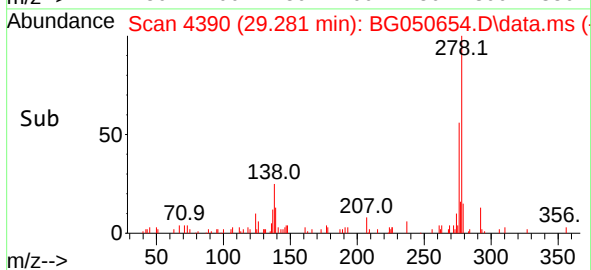
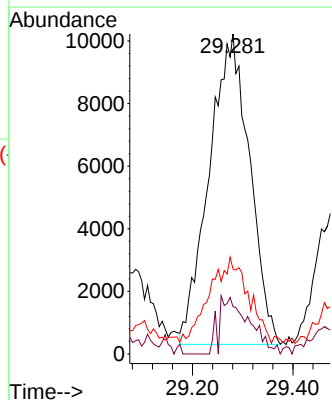
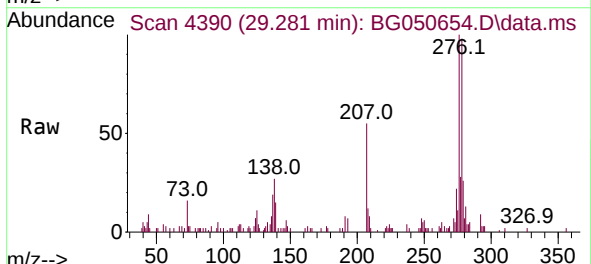
Instrument :
BNA_G
ClientSampleId :
TP2-(S)DL2

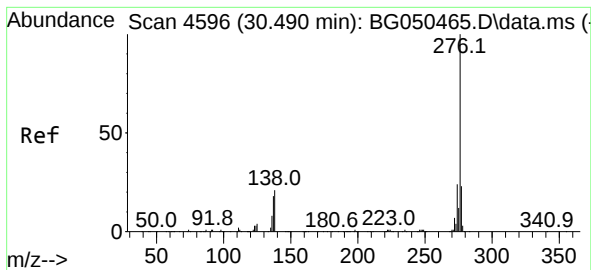
Tgt Ion:252 Resp: 325815
Ion Ratio Lower Upper
252 100
253 21.7 16.6 25.0
125 10.2 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 3.436 ng
RT: 29.281 min Scan# 4390
Delta R.T. -0.053 min
Lab File: BG050654.D
Acq: 20 Oct 2021 20:54

Tgt Ion:278 Resp: 55541
Ion Ratio Lower Upper
278 100
139 14.8 4.6 6.8#
279 26.5 17.9 26.9





#92
 Benzo(g,h,i)perylene
 Concen: 11.875 ng
 RT: 30.467 min Scan# 4592
 Delta R.T. -0.030 min
 Lab File: BG050654.D
 Acq: 20 Oct 2021 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TP2-(S)DL2

Tgt Ion:276 Resp: 188001
 Ion Ratio Lower Upper
 276 100
 277 21.2 18.4 27.6
 138 19.6 7.0 10.6#

