

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053297.D
 Acq On : 23 Apr 2022 17:38
 Operator : CG/JU
 Sample : N2525-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-042122

Quant Time: Apr 24 02:49:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

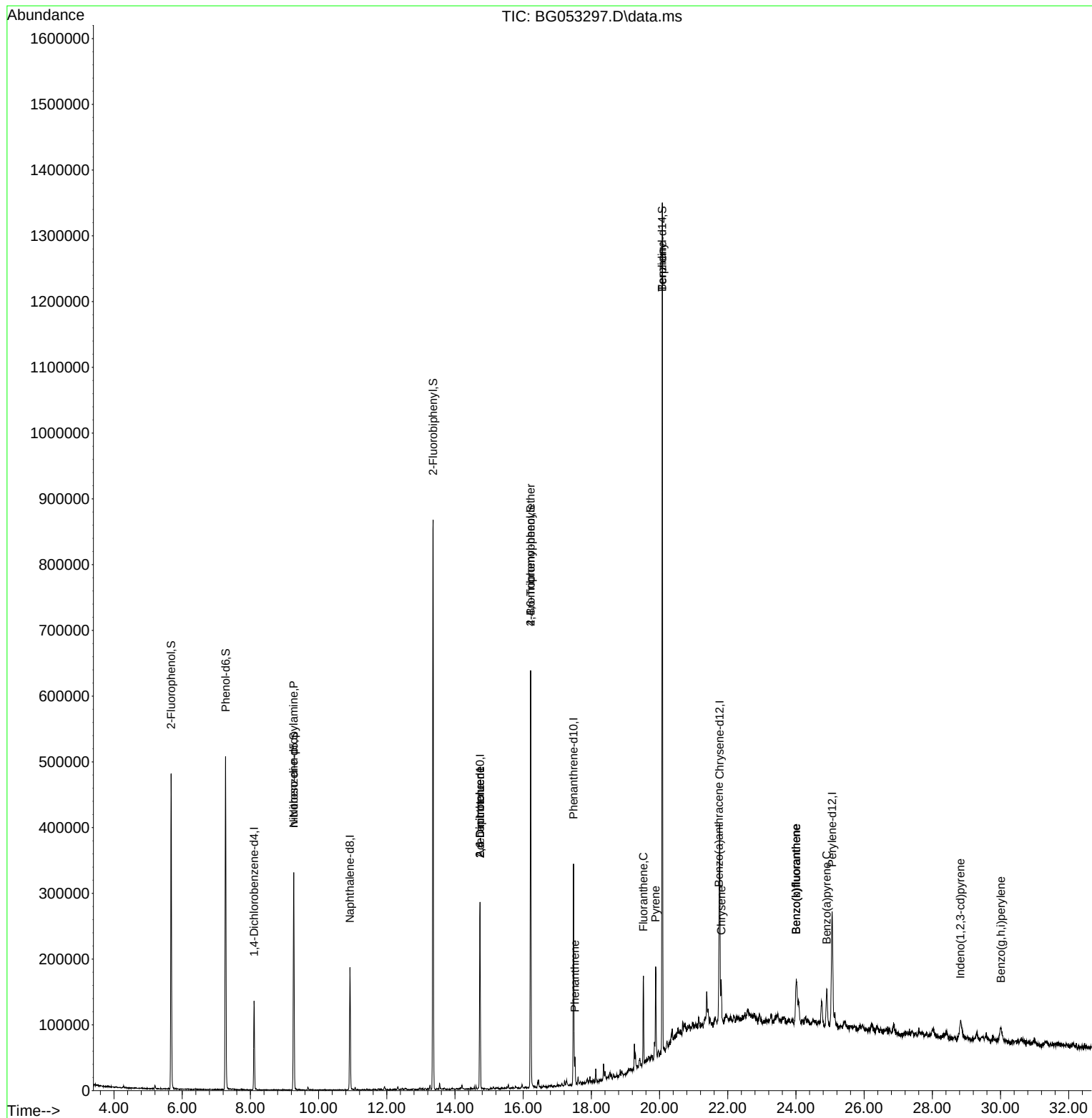
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.107	152	37682	20.000	ng	0.00
21) Naphthalene-d8	10.921	136	150726	20.000	ng	0.00
39) Acenaphthene-d10	14.733	164	102616	20.000	ng	0.00
64) Phenanthrene-d10	17.477	188	214001	20.000	ng	0.00
76) Chrysene-d12	21.759	240	189672	20.000	ng	0.00
86) Perylene-d12	25.061	264	197985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	199525	90.765	ng	0.00
7) Phenol-d6	7.273	99	293044	86.446	ng	0.00
23) Nitrobenzene-d5	9.270	82	209195	56.354	ng	0.00
42) 2,4,6-Tribromophenol	16.220	330	129757	79.480	ng	0.00
45) 2-Fluorobiphenyl	13.359	172	461422	62.004	ng	0.00
79) Terphenyl-d14	20.079	244	644965	57.430	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.270	70	29584	11.920	ng	# 79
51) 2,6-Dinitrotoluene	14.733	165	13473	7.869	ng	# 24
57) 2,4-Dinitrotoluene	14.733	165	13473	5.527	ng	# 22
67) 4-Bromophenyl-phenylether	16.220	248	8574	3.127	ng	# 1
71) Phenanthrene	17.518	178	26001	2.224	ng	97
75) Fluoranthene	19.527	202	87683	5.852	ng	98
77) Benzidine	20.079	184	11445	2.115	ng	# 94
78) Pyrene	19.885	202	90222	6.679	ng	99
81) Benzo(a)anthracene	21.741	228	51808	3.995	ng	97
83) Chrysene	21.806	228	48638	4.041	ng	95
87) Indeno(1,2,3-cd)pyrene	28.820	276	50964	3.465	ng	# 75
88) Benzo(b)fluoranthene	24.009	252	86027	6.887	ng	99
89) Benzo(k)fluoranthene	24.009	252	86027	7.007	ng	99
90) Benzo(a)pyrene	24.902	252	66292	6.229	ng	99
92) Benzo(g,h,i)perylene	30.013	276	53138	4.453	ng	97

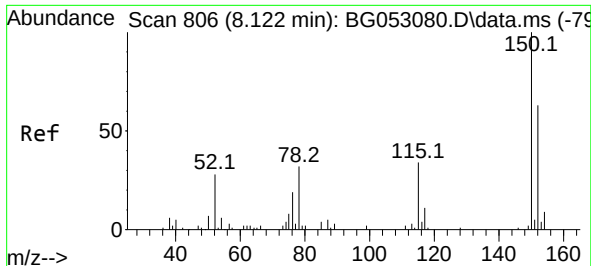
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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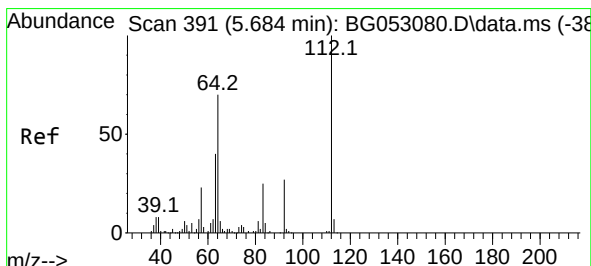
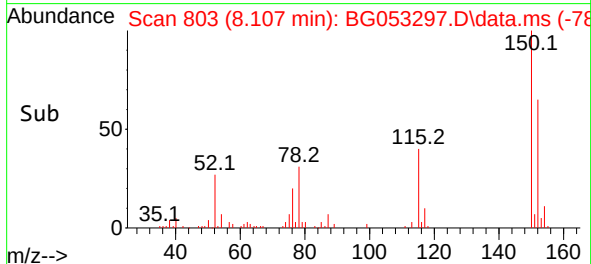
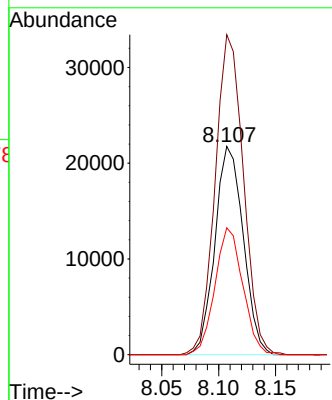
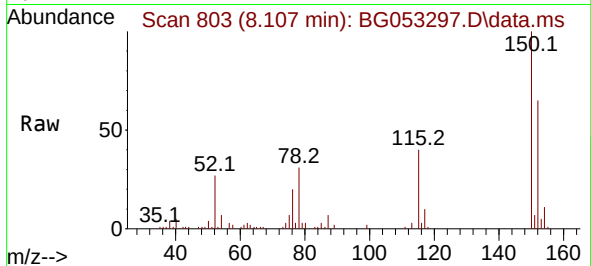




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.107 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

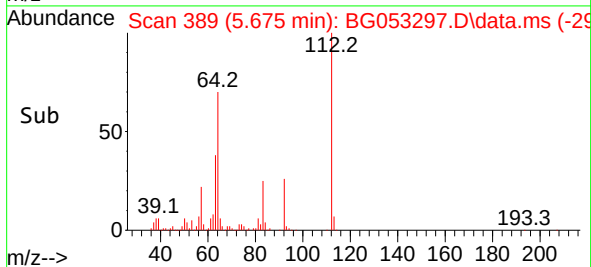
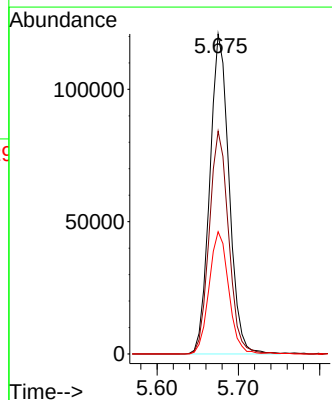
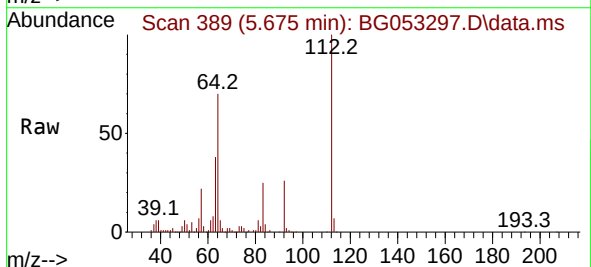
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

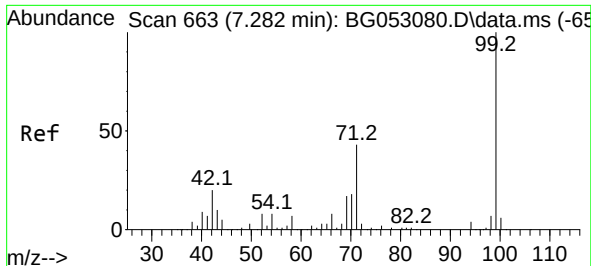
Tgt Ion:152 Resp: 37682
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 60.9 45.9 68.9



#5
2-Fluorophenol
Concen: 90.765 ng
RT: 5.675 min Scan# 389
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:112 Resp: 199525
Ion Ratio Lower Upper
112 100
64 69.6 48.0 72.0
63 38.2 26.5 39.7

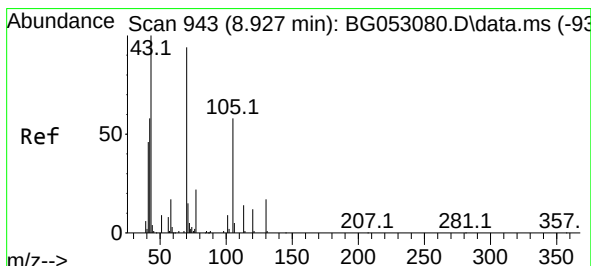
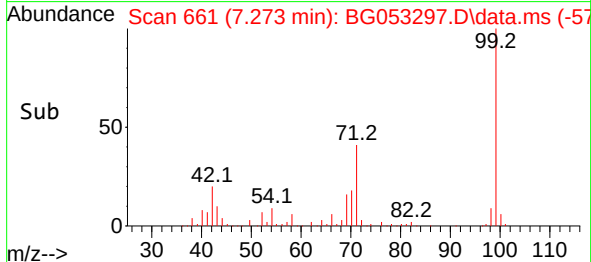
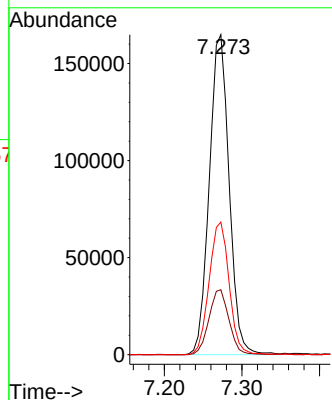
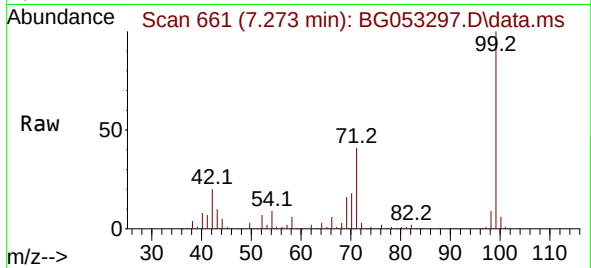




#7
Phenol-d6
Concen: 86.446 ng
RT: 7.273 min Scan# 60
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

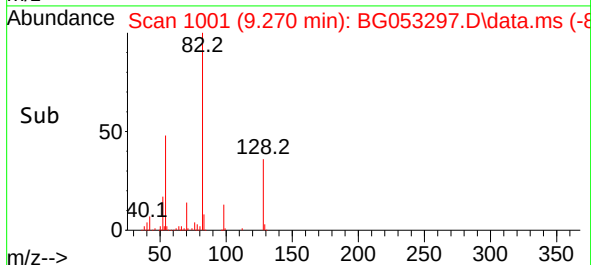
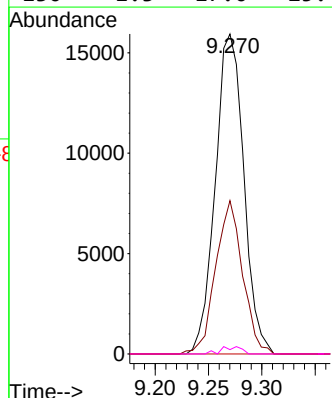
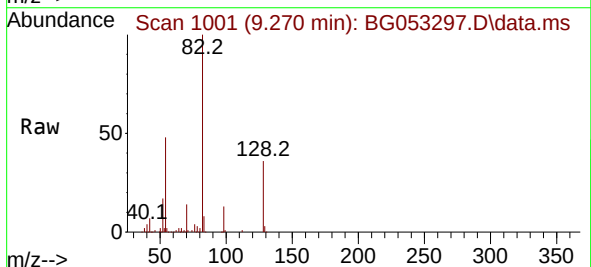
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

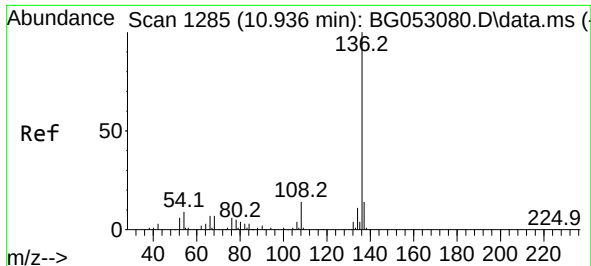
Tgt Ion: 99 Resp: 293044
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 41.5 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.920 ng
RT: 9.270 min Scan# 1001
Delta R.T. 0.358 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion: 70 Resp: 29584
Ion Ratio Lower Upper
70 100
42 47.9 46.0 69.0
101 0.0 6.2 9.4#
130 1.3 17.0 25.4#



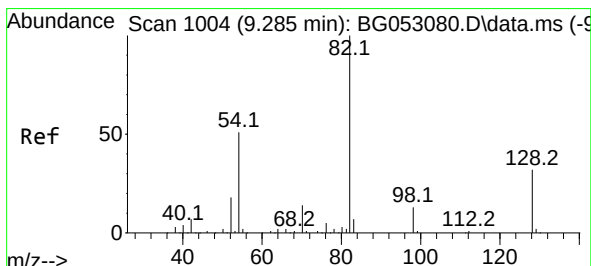
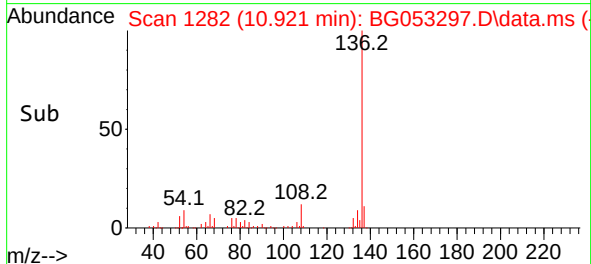
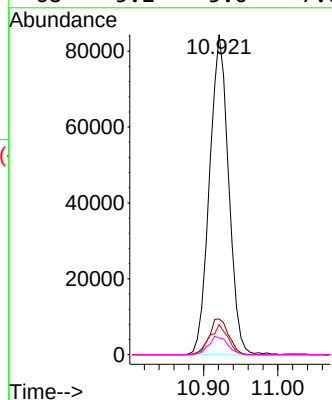
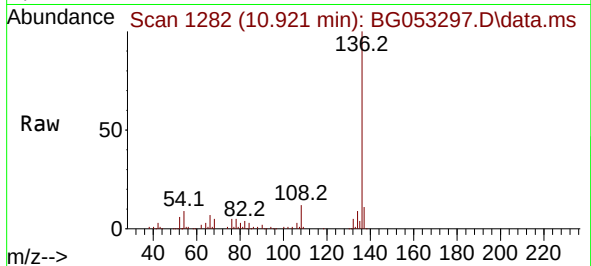


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.921 min Scan# 1001
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :
BNA_G
ClientSampleId :
HR-04-042122

Tgt Ion:136 Resp: 150726

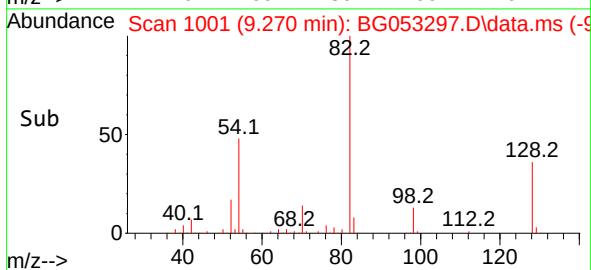
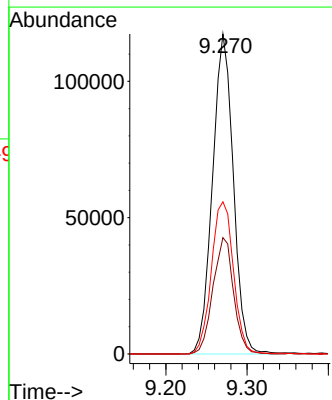
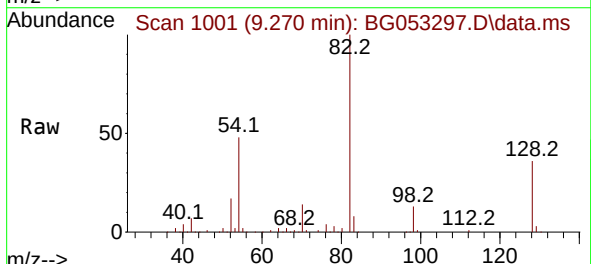
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.2
54	9.4	6.4	9.6
68	5.2	5.0	7.6

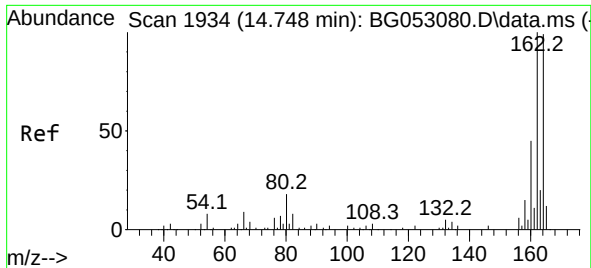


#23
Nitrobenzene-d5
Concen: 56.354 ng
RT: 9.270 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion: 82 Resp: 209195

Ion	Ratio	Lower	Upper
82	100		
128	36.4	31.3	46.9
54	47.6	37.8	56.8

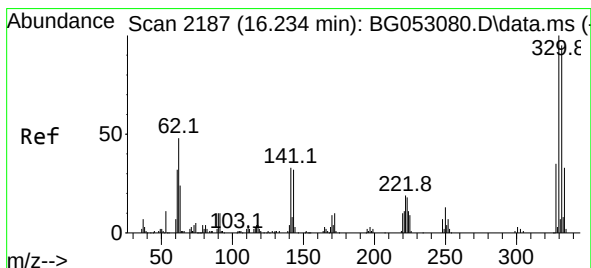
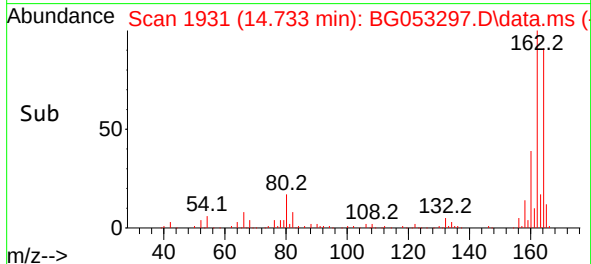
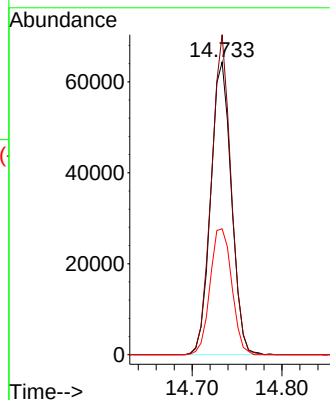
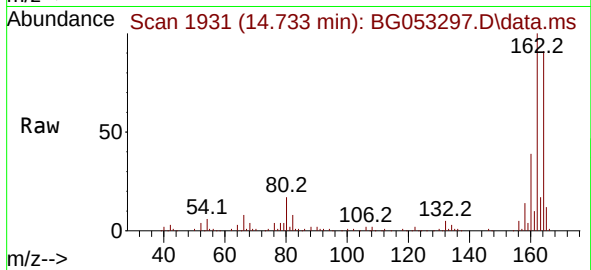




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.733 min Scan# 1931
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

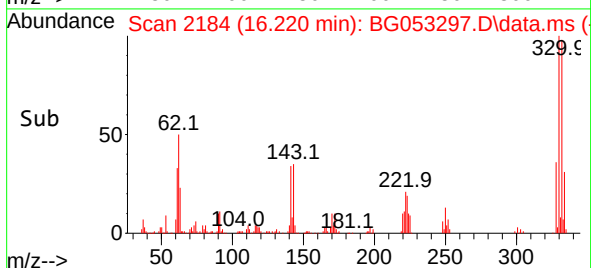
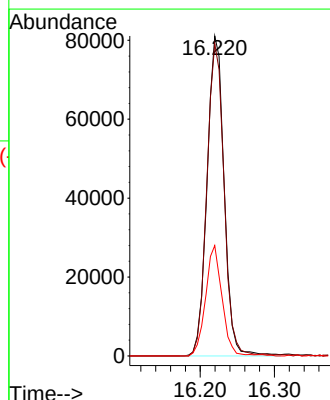
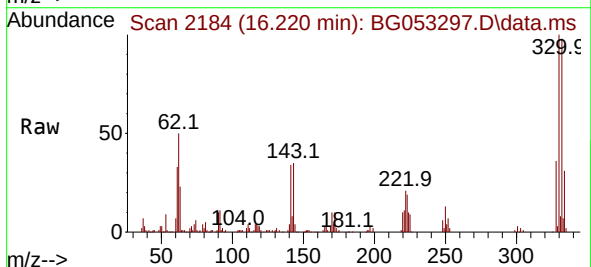
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

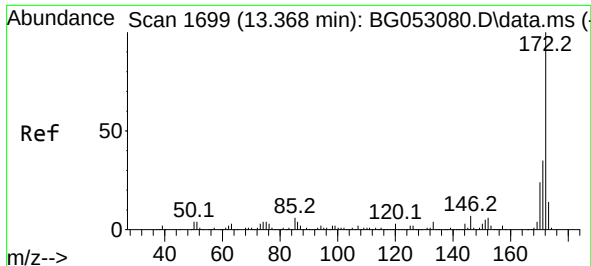
Tgt Ion:164 Resp: 102616
Ion Ratio Lower Upper
164 100
162 109.4 80.0 120.0
160 43.1 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 79.480 ng
RT: 16.220 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:330 Resp: 129757
Ion Ratio Lower Upper
330 100
332 97.6 75.8 113.6
141 33.4 24.6 36.8

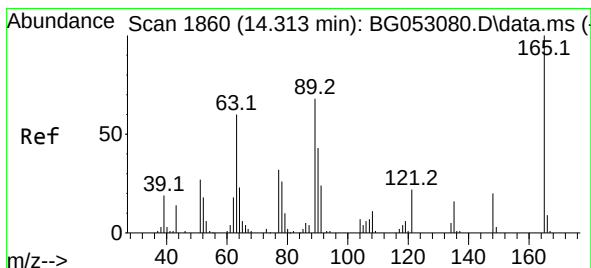
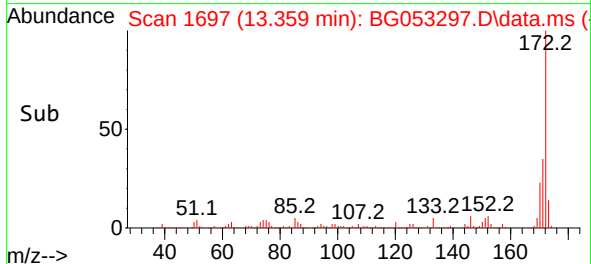
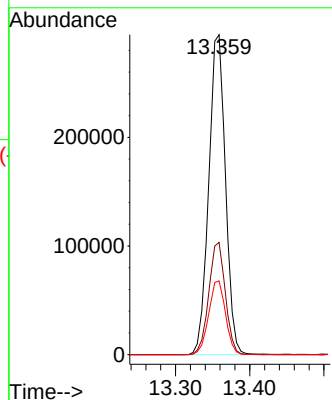
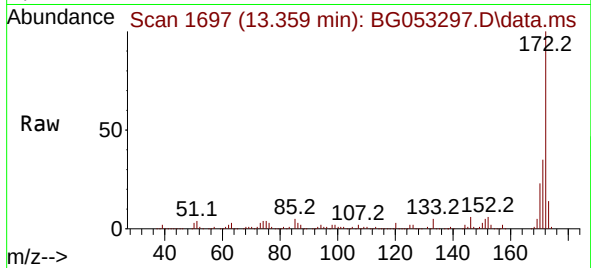




#45
2-Fluorobiphenyl
Concen: 62.004 ng
RT: 13.359 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

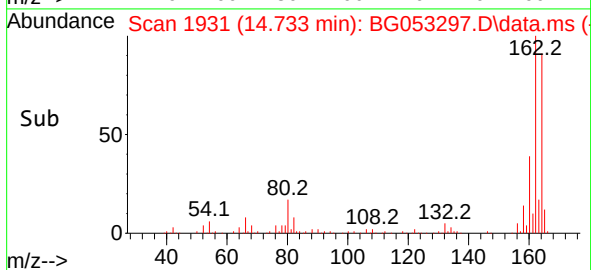
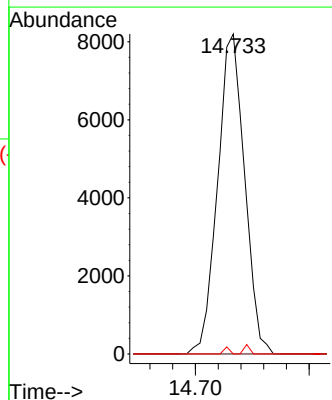
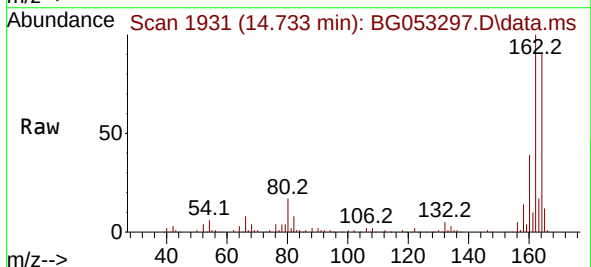
Instrument :
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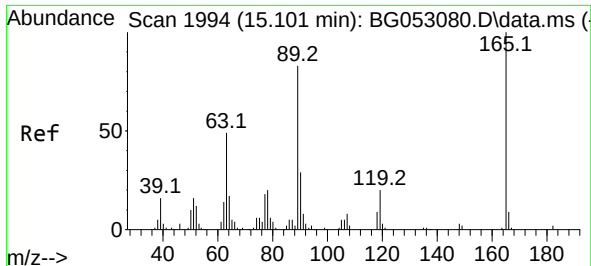
Tgt Ion:172 Resp: 461422
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.0 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.869 ng
RT: 14.733 min Scan# 1931
Delta R.T. 0.428 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:165 Resp: 13473
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.527 ng

RT: 14.733 min Scan# 1994

Delta R.T. -0.359 min

Lab File: BG053297.D

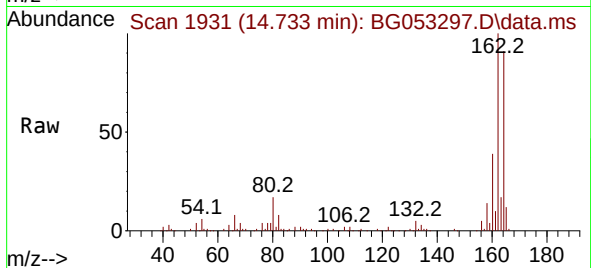
Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

ClientSampleId :

HR-04-042122



Tgt Ion:165 Resp: 13473

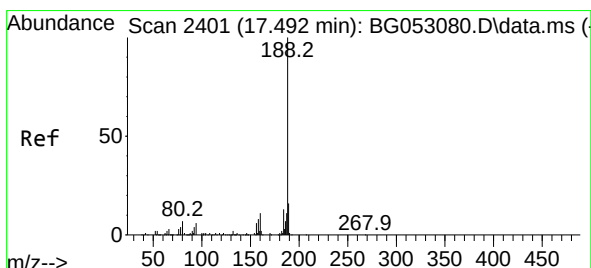
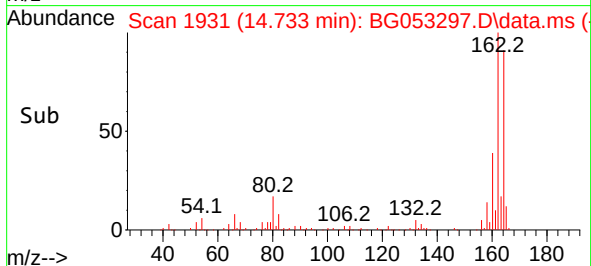
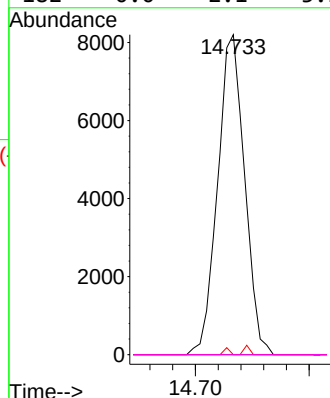
Ion Ratio Lower Upper

165 100

63 0.0 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.477 min Scan# 2398

Delta R.T. -0.006 min

Lab File: BG053297.D

Acq: 23 Apr 2022 17:38

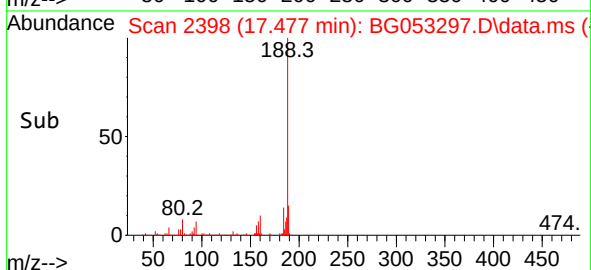
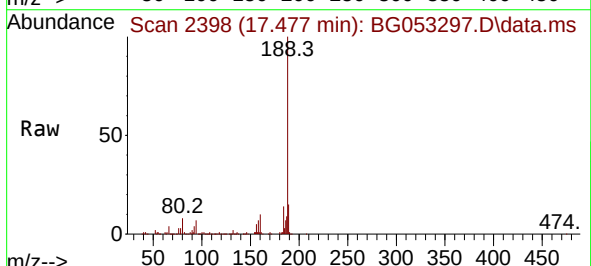
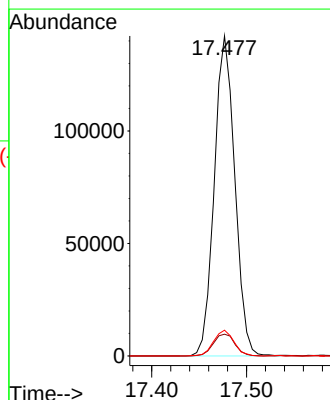
Tgt Ion:188 Resp: 214001

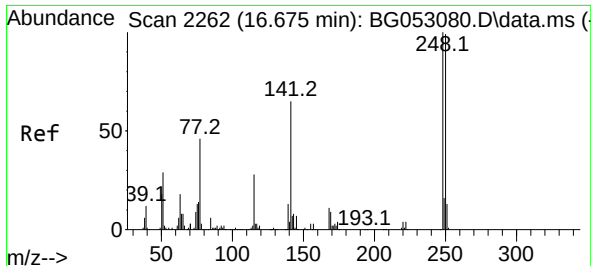
Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 8.1 7.2 10.8

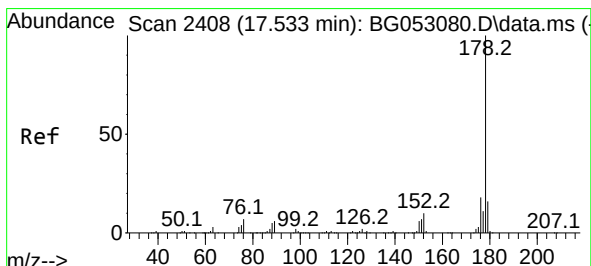
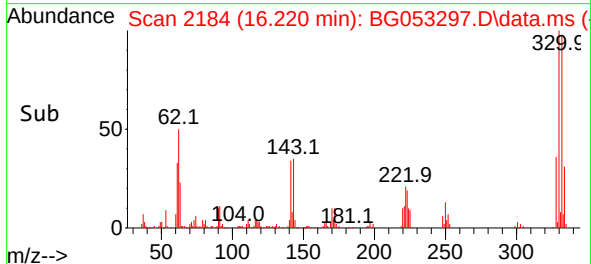
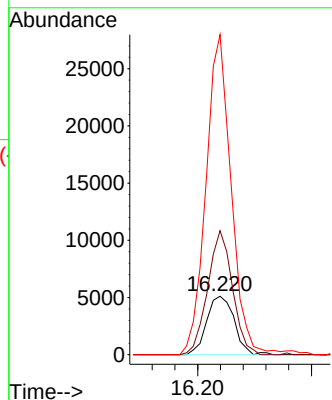
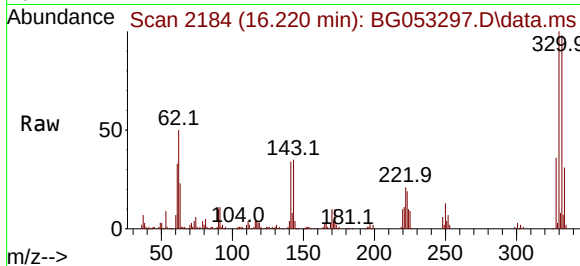




#67
4-Bromophenyl-phenylether
Concen: 3.127 ng
RT: 16.220 min Scan# 2184
Delta R.T. -0.441 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

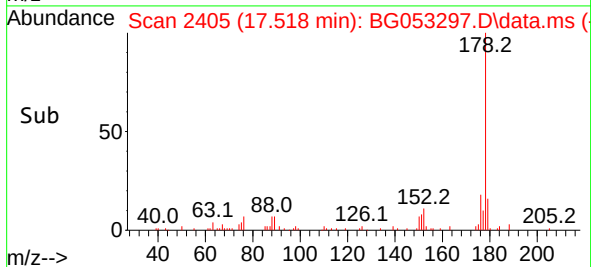
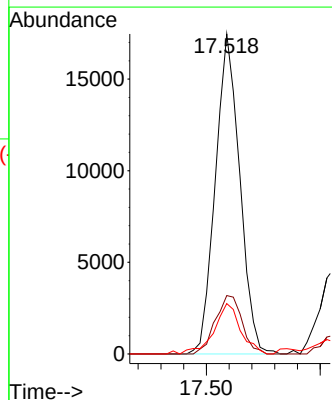
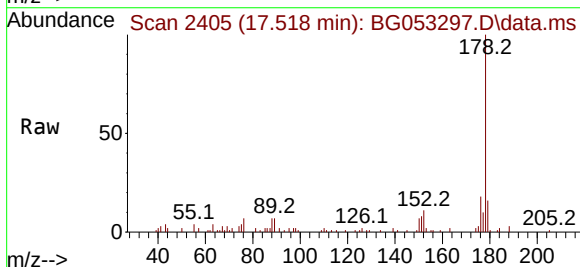
Instrument :
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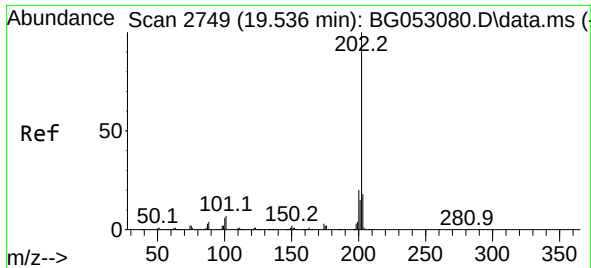
Tgt Ion:248 Resp: 8574
Ion Ratio Lower Upper
248 100
250 212.1 77.9 116.9#
141 547.5 49.2 73.8#



#71
Phenanthrene
Concen: 2.224 ng
RT: 17.518 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:178 Resp: 26001
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.7 13.4 20.2

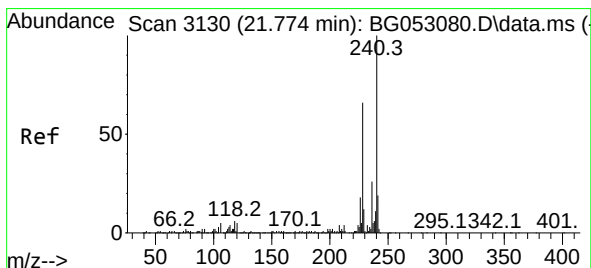
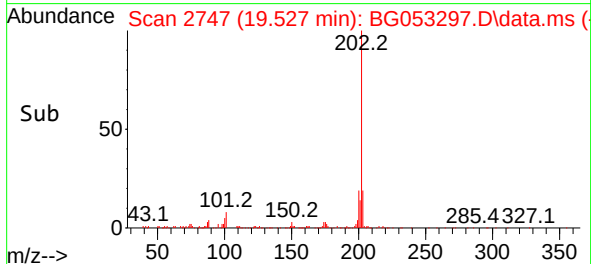
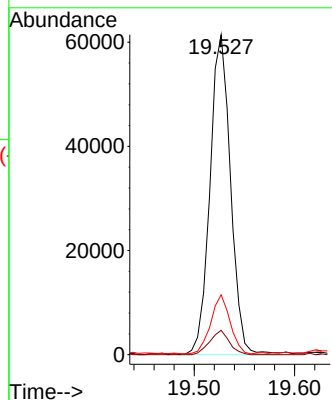
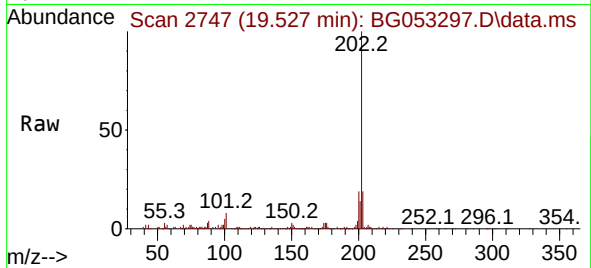




#75
Fluoranthene
Concen: 5.852 ng
RT: 19.527 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

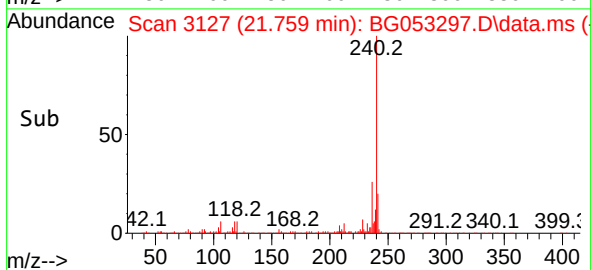
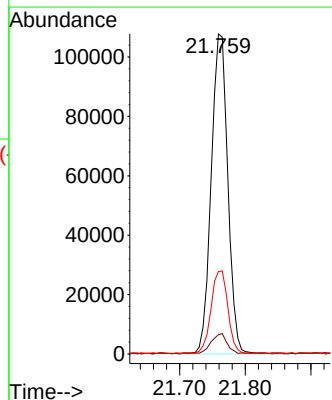
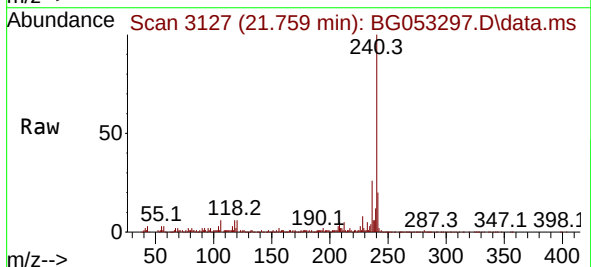
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

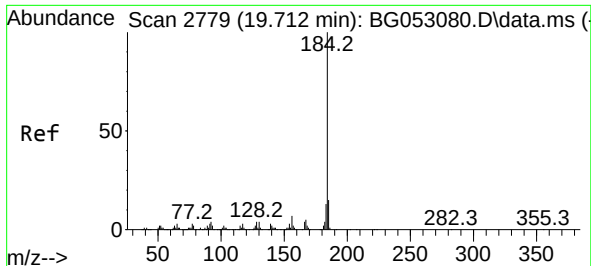
Tgt Ion:202 Resp: 87683
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.3
203 18.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.759 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:240 Resp: 189672
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 25.8 19.8 29.6

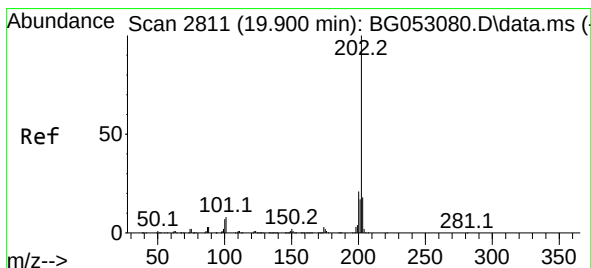
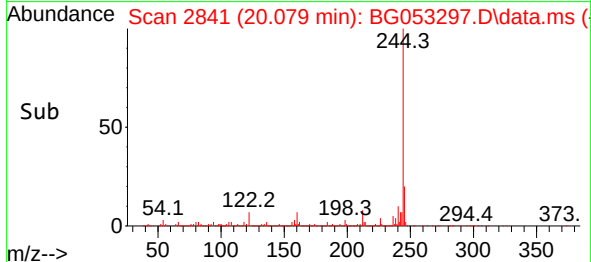
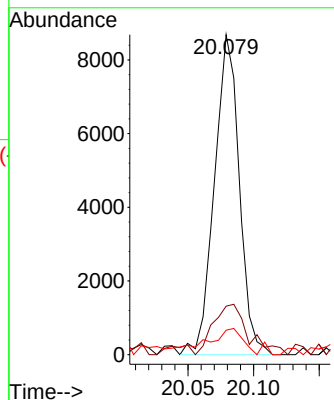
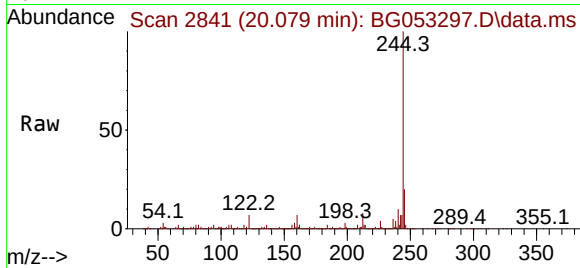




#77
Benzidine
Concen: 2.115 ng
RT: 20.079 min Scan# 21
Delta R.T. 0.375 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

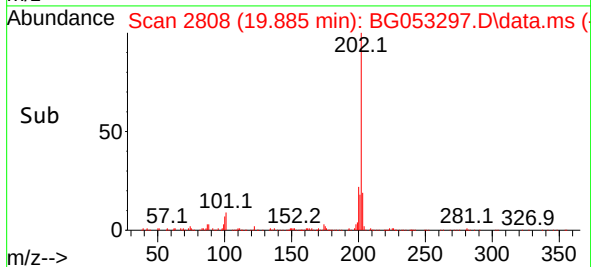
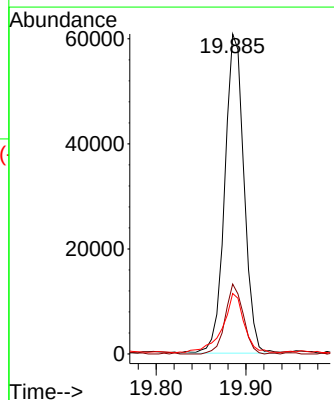
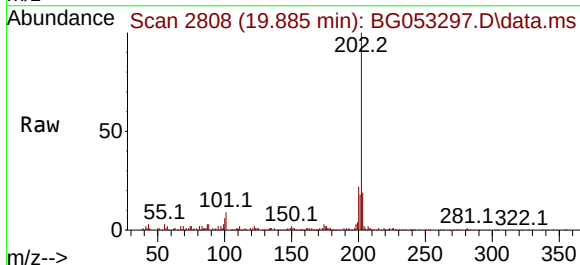
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

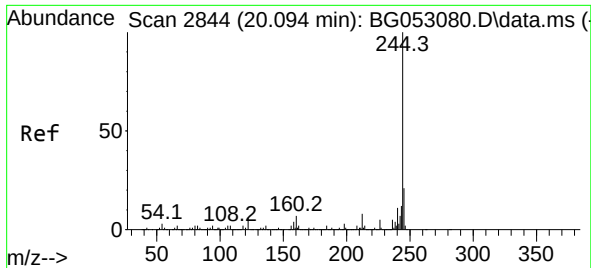
Tgt Ion:184 Resp: 11445
Ion Ratio Lower Upper
184 100
185 15.2 11.5 17.3
183 7.7 9.4 14.2#



#78
Pyrene
Concen: 6.679 ng
RT: 19.885 min Scan# 2808
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:202 Resp: 90222
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 18.9 15.0 22.6

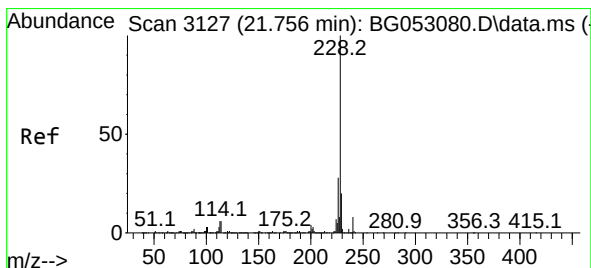
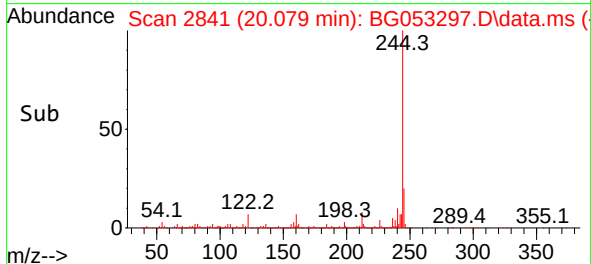
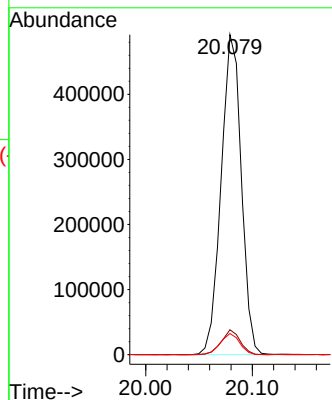
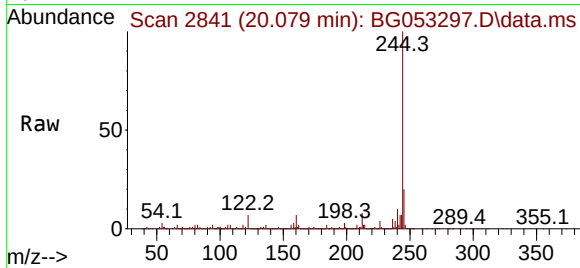




#79
 Terphenyl-d14
 Concen: 57.430 ng
 RT: 20.079 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053297.D
 Acq: 23 Apr 2022 17:38

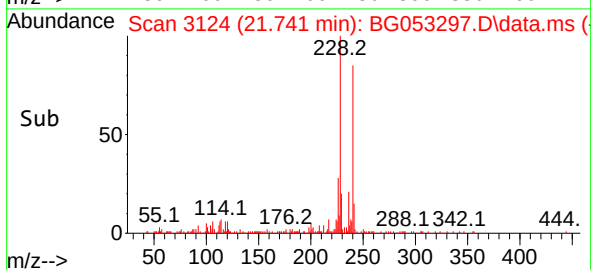
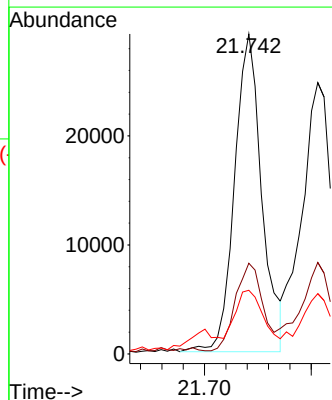
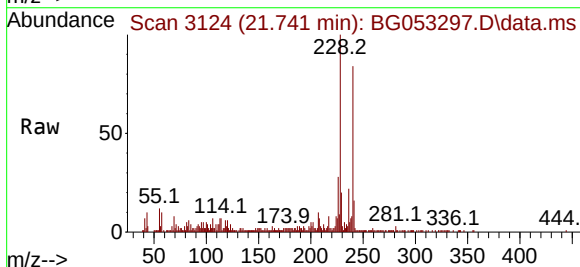
Instrument :
 BNA_G
 ClientSampleId :
 HR-04-042122

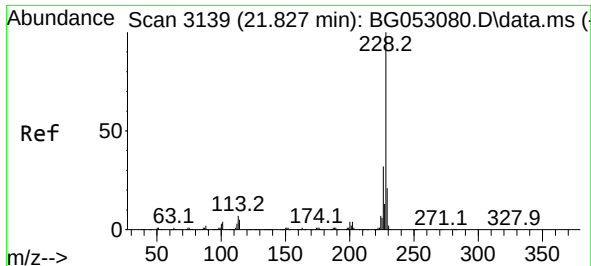
Tgt Ion:244 Resp: 644965
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.6 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 3.995 ng
 RT: 21.741 min Scan# 3124
 Delta R.T. -0.006 min
 Lab File: BG053297.D
 Acq: 23 Apr 2022 17:38

Tgt Ion:228 Resp: 51808
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.4 32.0
 229 19.9 16.7 25.1

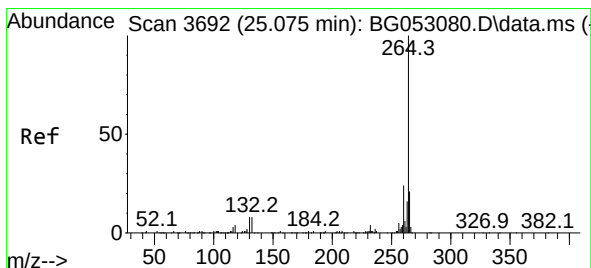
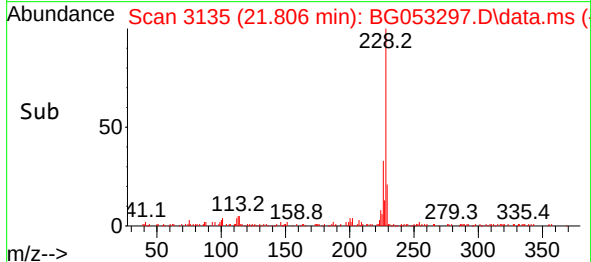
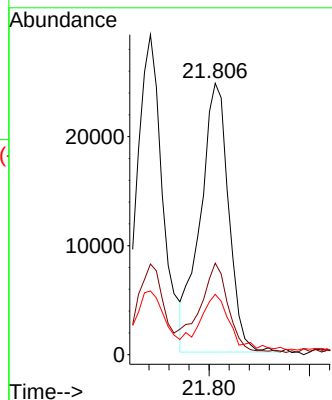
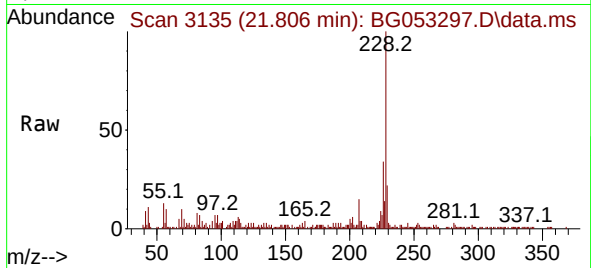




#83
Chrysene
Concen: 4.041 ng
RT: 21.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

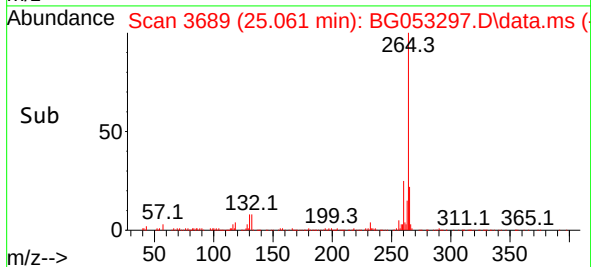
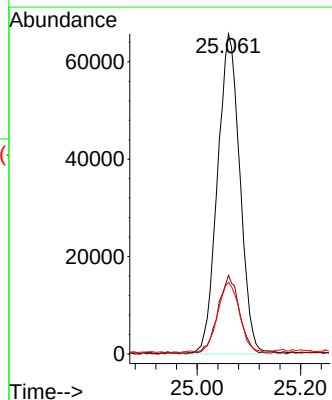
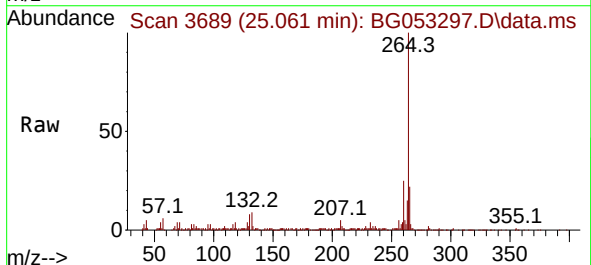
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

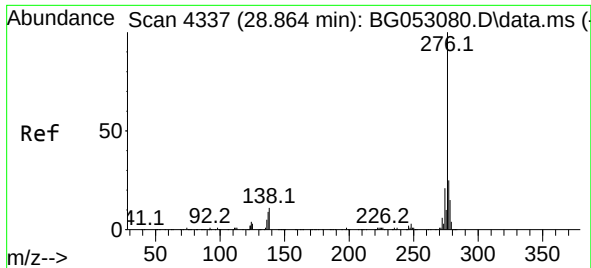
Tgt Ion:228	Resp:	48638
Ion Ratio	Lower	Upper
228	100	
226	33.7	24.2 36.4
229	22.2	16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.061 min Scan# 3689
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:264	Resp:	197985
Ion Ratio	Lower	Upper
264	100	
260	24.6	18.2 27.2
265	22.4	15.1 22.7

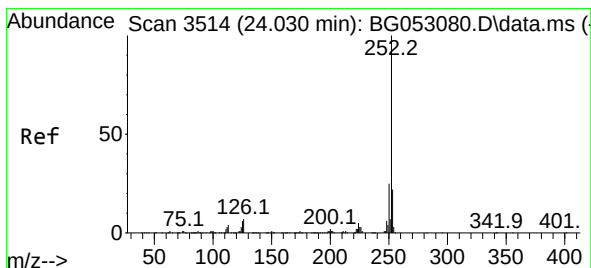
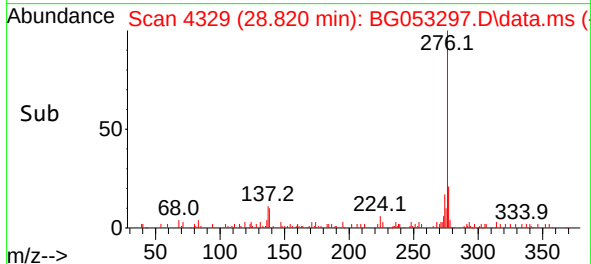
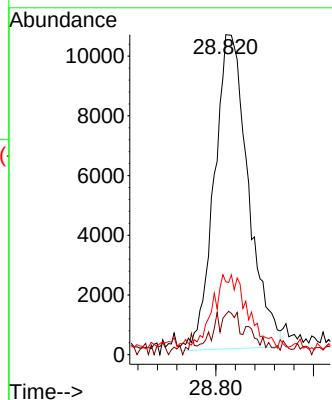
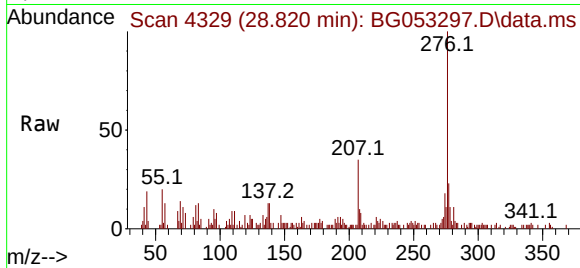




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.465 ng
 RT: 28.820 min Scan# 41
 Delta R.T. -0.030 min
 Lab File: BG053297.D
 Acq: 23 Apr 2022 17:38

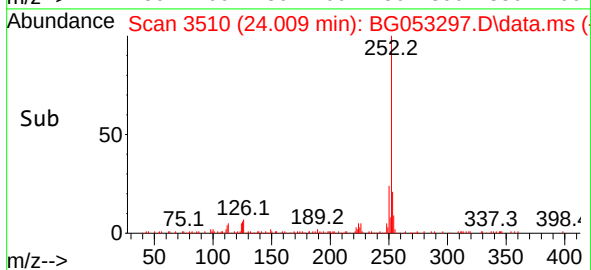
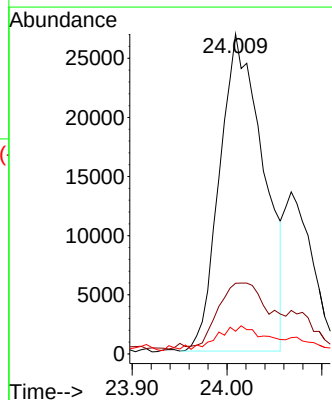
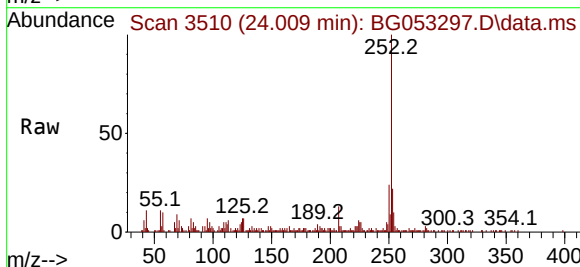
Instrument :
 BNA_G
 ClientSampleId :
 HR-04-042122

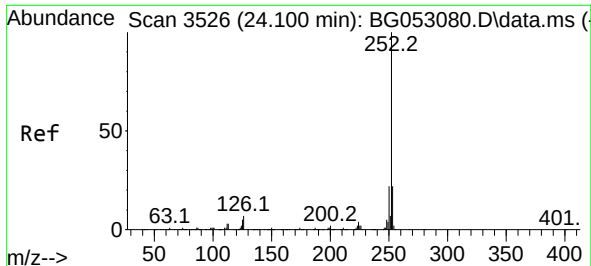
Tgt Ion:276 Resp: 50964
 Ion Ratio Lower Upper
 276 100
 138 4.9 8.7 13.1#
 277 10.4 20.2 30.4#



#88
 Benzo(b)fluoranthene
 Concen: 6.887 ng
 RT: 24.009 min Scan# 3510
 Delta R.T. -0.012 min
 Lab File: BG053297.D
 Acq: 23 Apr 2022 17:38

Tgt Ion:252 Resp: 86027
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.2 25.8
 125 7.1 5.2 7.8

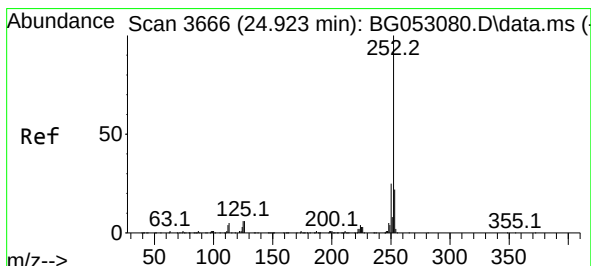
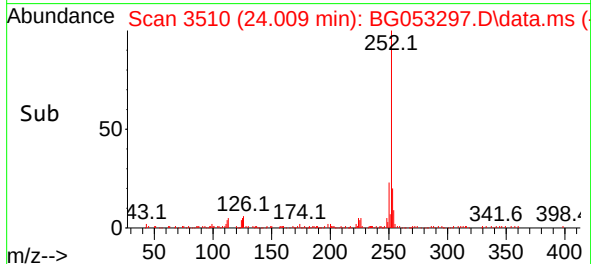
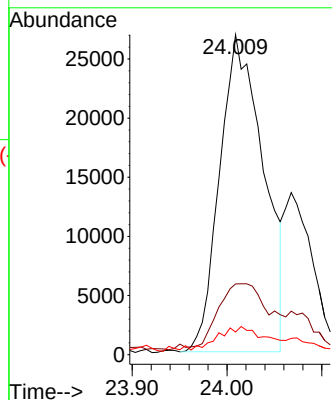
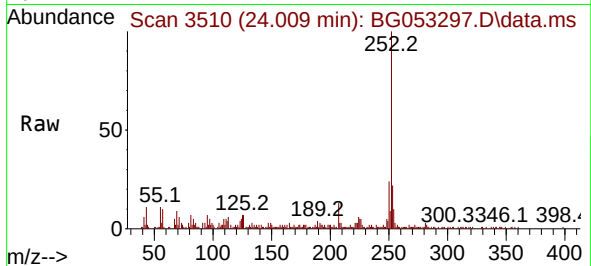




#89
Benzo(k)fluoranthene
Concen: 7.007 ng
RT: 24.009 min Scan# 3526
Delta R.T. -0.077 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

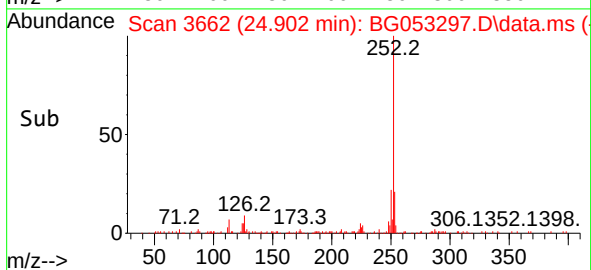
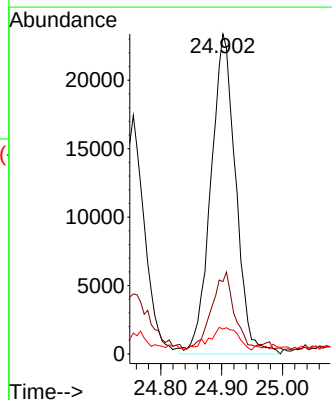
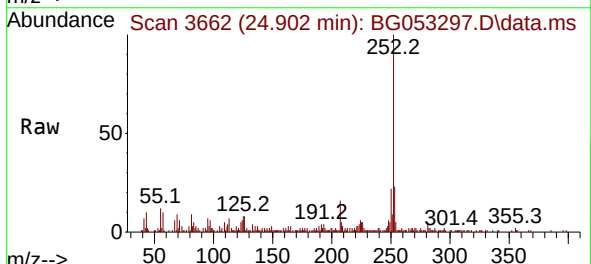
Instrument :
BNA_G
ClientSampleId :
HR-04-042122

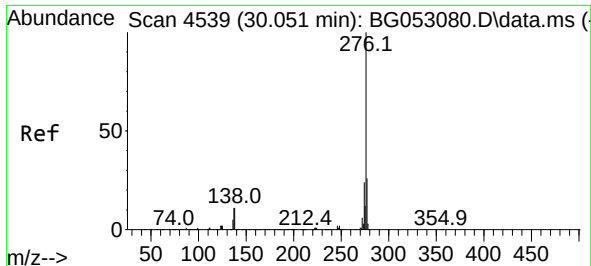
Tgt Ion:252 Resp: 86027
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 7.1 5.0 7.4



#90
Benzo(a)pyrene
Concen: 6.229 ng
RT: 24.902 min Scan# 3662
Delta R.T. -0.012 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

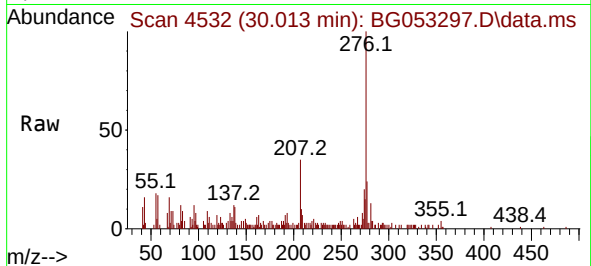
Tgt Ion:252 Resp: 66292
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 7.7 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.453 ng
 RT: 30.013 min Scan# 4
 Delta R.T. -0.024 min
 Lab File: BG053297.D
 Acq: 23 Apr 2022 17:38

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-042122



Tgt Ion:276 Resp: 53138
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.2 27.2
 138 10.5 9.1 13.7

