

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054917.D
 Acq On : 12 Sep 2022 22:25
 Operator : CG/JU
 Sample : N4561-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Quant Time: Sep 13 03:10:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

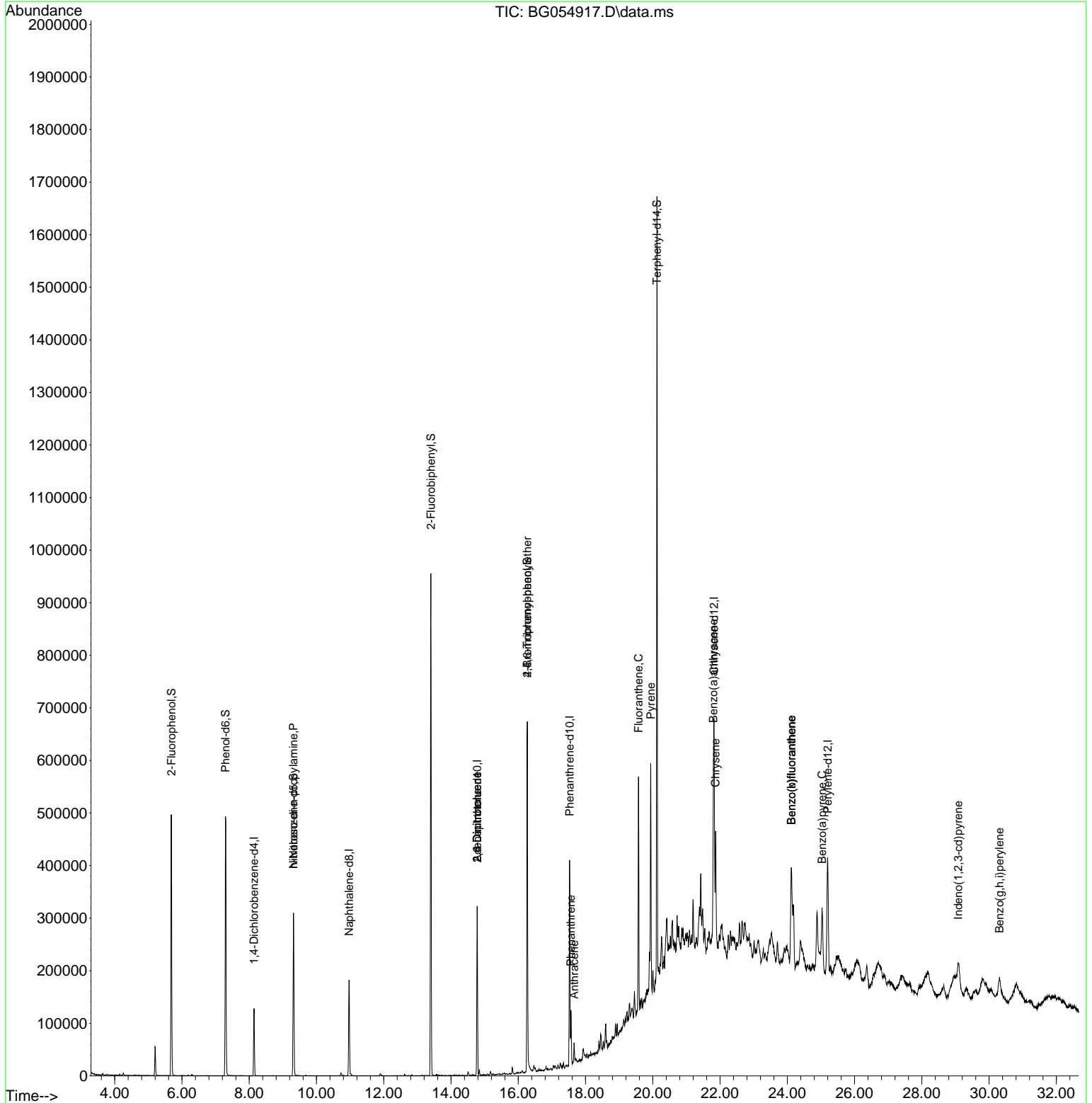
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.141	152	40858	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	169854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.775	164	119979	20.000	ng	0.00
64) Phenanthrene-d10	17.525	188	258420	20.000	ng	0.00
76) Chrysene-d12	21.819	240	237562	20.000	ng	0.00
86) Perylene-d12	25.198	264	257326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	250321	106.686	ng	0.00
7) Phenol-d6	7.295	99	338800	105.585	ng	0.00
23) Nitrobenzene-d5	9.316	82	200126	61.853	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	164271	109.571	ng	0.00
45) 2-Fluorobiphenyl	13.400	172	529897	66.382	ng	0.00
79) Terphenyl-d14	20.121	244	776032	64.725	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.316	70	24843	11.259	ng	# 75
51) 2,6-Dinitrotoluene	14.775	165	15926	8.424	ng	# 21
57) 2,4-Dinitrotoluene	14.775	165	15926	6.090	ng	# 19
67) 4-Bromophenyl-phenylether	16.267	248	10232	3.606	ng	# 1
71) Phenanthrene	17.566	178	65615	4.766	ng	98
72) Anthracene	17.660	178	26930	2.012	ng	98
75) Fluoranthene	19.575	202	285713	17.061	ng	97
78) Pyrene	19.939	202	294763	17.794	ng	99
81) Benzo(a)anthracene	21.802	228	179816	11.164	ng	99
83) Chrysene	21.866	228	194642	12.638	ng	97
87) Indeno(1,2,3-cd)pyrene	29.082	276	87329	4.470	ng	99
88) Benzo(b)fluoranthene	24.123	252	272267	16.867	ng	99
89) Benzo(k)fluoranthene	24.123	252	272267	16.759	ng	99
90) Benzo(a)pyrene	25.033	252	128608	9.325	ng	# 96
92) Benzo(g,h,i)perylene	30.310	276	79364	4.936	ng	97

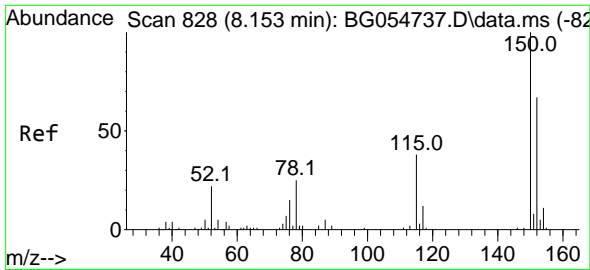
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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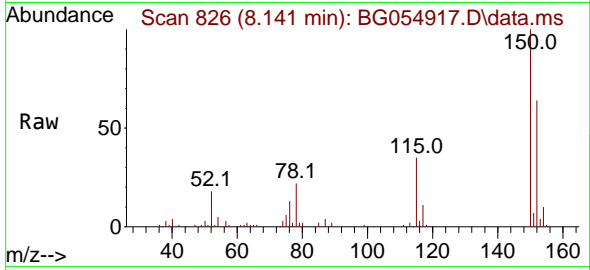
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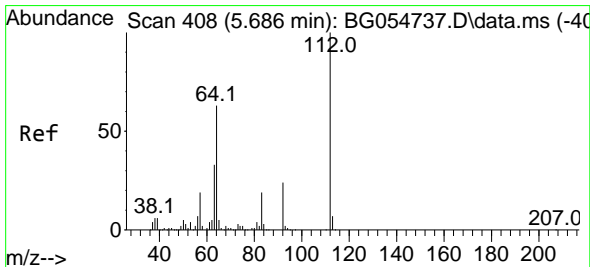
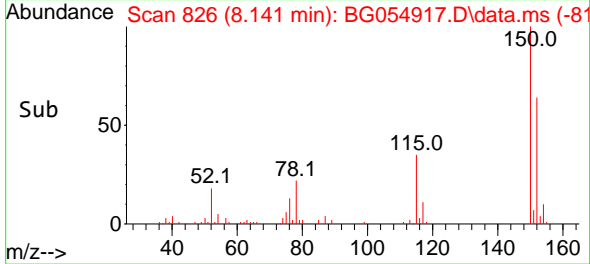
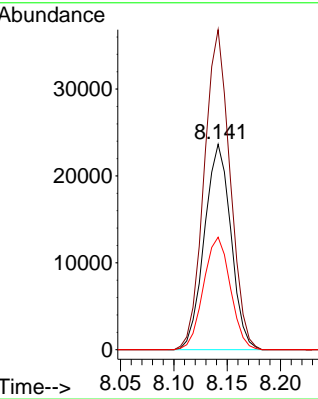


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.141 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

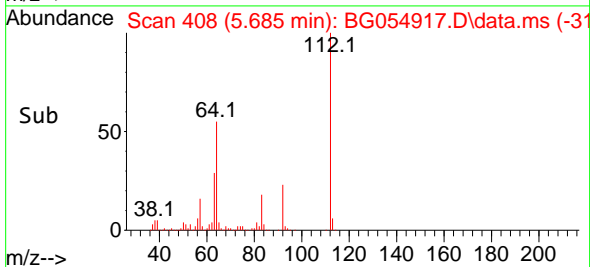
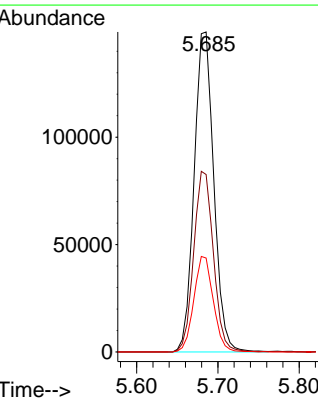
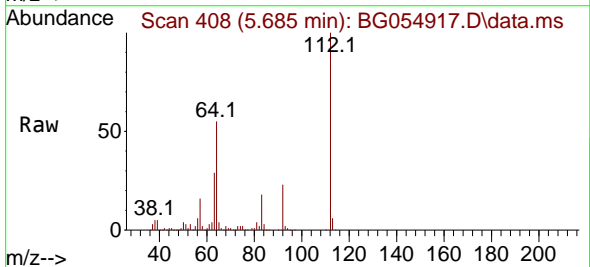


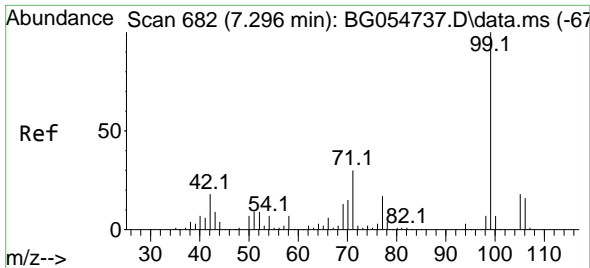
Tgt Ion:152 Resp: 40858
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.2 187.8
 115 54.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 106.686 ng
 RT: 5.685 min Scan# 408
 Delta R.T. 0.001 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

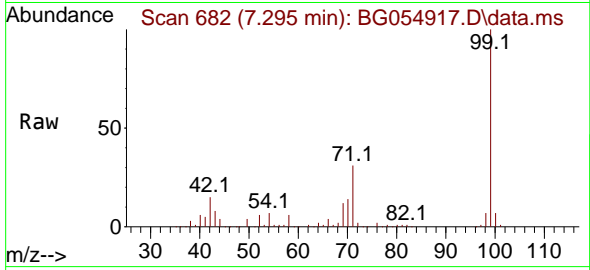
Tgt Ion:112 Resp: 250321
 Ion Ratio Lower Upper
 112 100
 64 55.4 49.3 73.9
 63 29.3 26.3 39.5





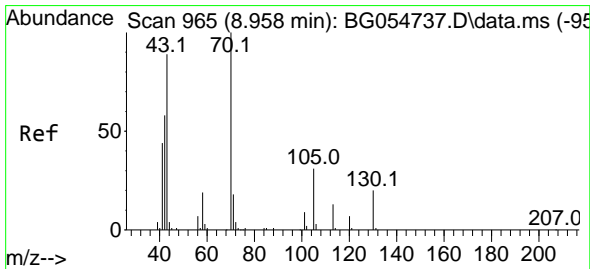
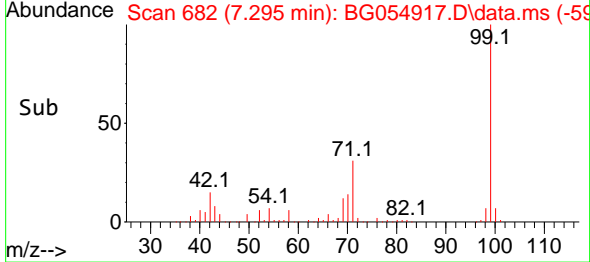
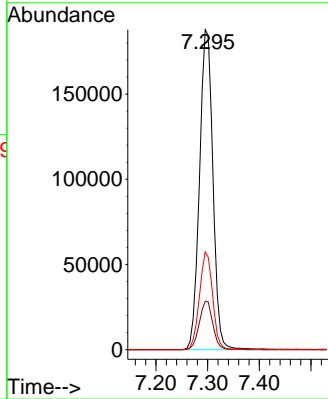
#7
 Phenol-d6
 Concen: 105.585 ng
 RT: 7.295 min Scan# 61
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

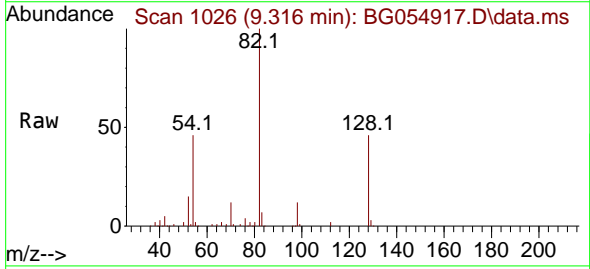


Tgt Ion: 99 Resp: 338800

Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.6	22.0
71	30.6	24.6	37.0

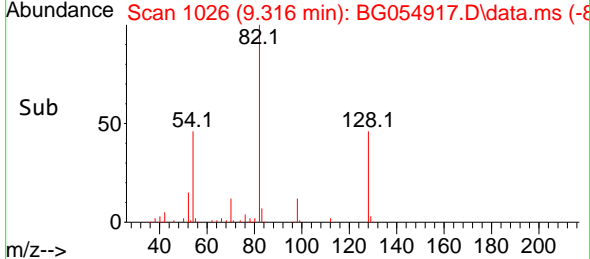
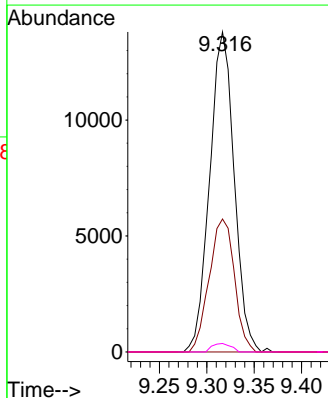


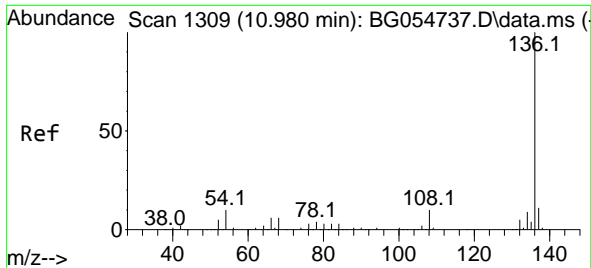
#19
 n-Nitroso-di-n-propylamine
 Concen: 11.259 ng
 RT: 9.316 min Scan# 1026
 Delta R.T. 0.365 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25



Tgt Ion: 70 Resp: 24843

Ion	Ratio	Lower	Upper
70	100		
42	41.6	46.6	69.8#
101	0.0	7.7	11.5#
130	2.7	13.9	20.9#



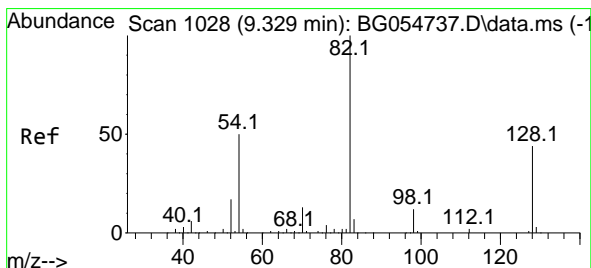
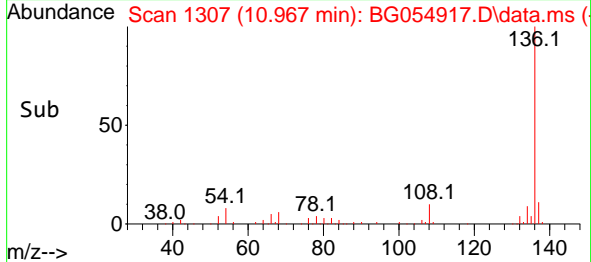
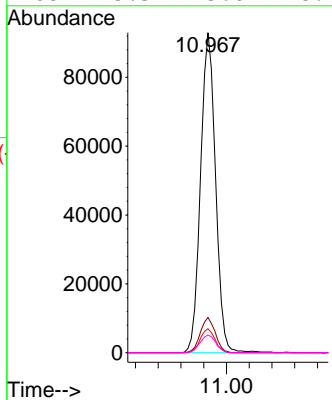
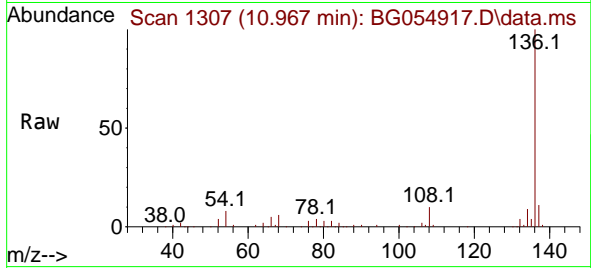


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.967 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Tgt Ion:136 Resp: 169854

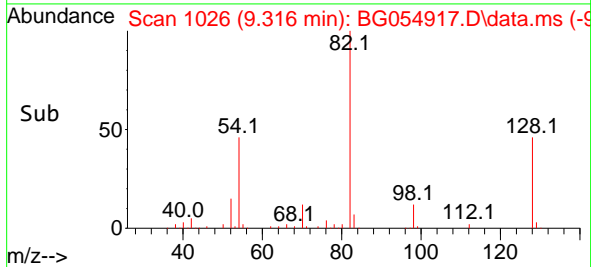
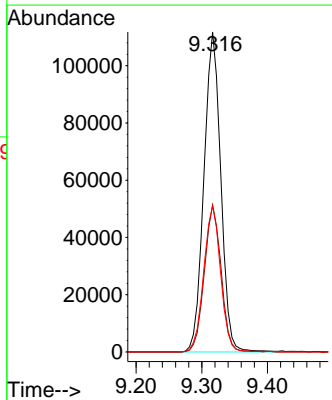
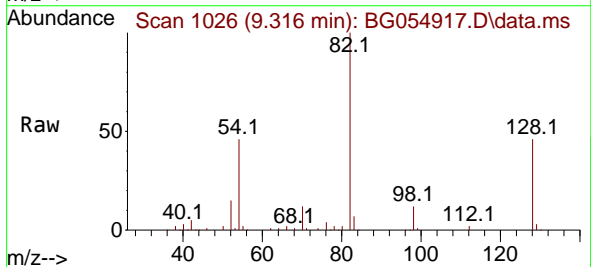
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.5	7.7	11.5#
68	5.5	5.6	8.4#

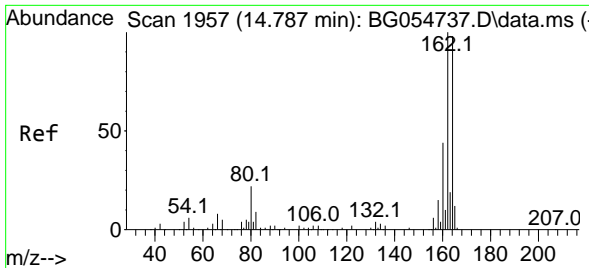


#23
 Nitrobenzene-d5
 Concen: 61.853 ng
 RT: 9.316 min Scan# 1026
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion: 82 Resp: 200126

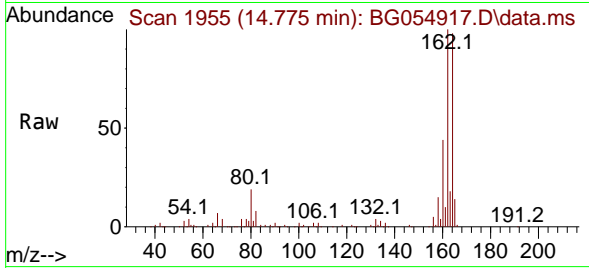
Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.2	48.2
54	45.6	41.4	62.0





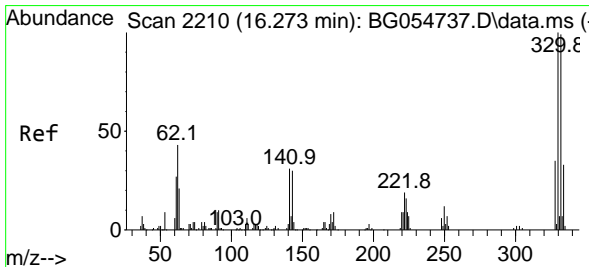
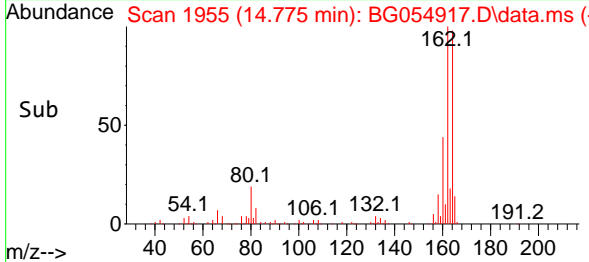
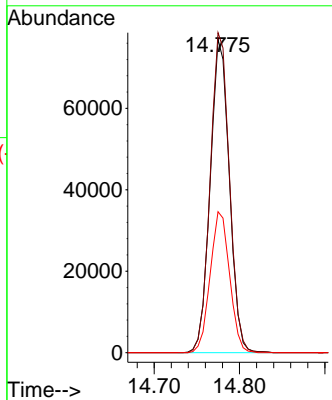
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.775 min Scan# 1955
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument : BNA_G
 ClientSampleId : 72-11976



Tgt Ion:164 Resp: 119979

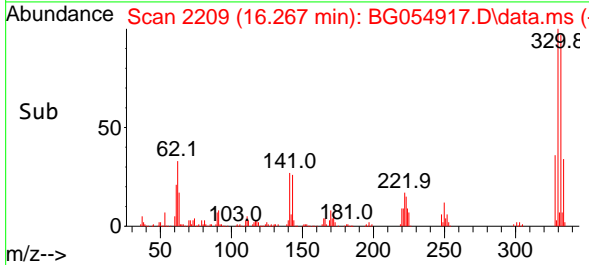
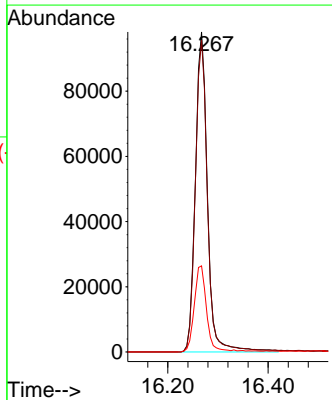
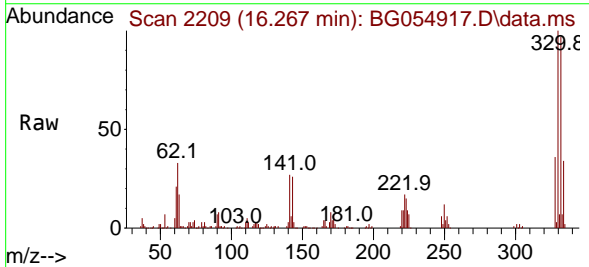
Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.0	124.4
160	45.0	38.0	57.0

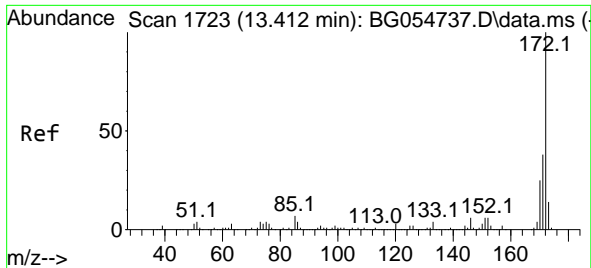


#42
 2,4,6-Tribromophenol
 Concen: 109.571 ng
 RT: 16.267 min Scan# 2209
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:330 Resp: 164271

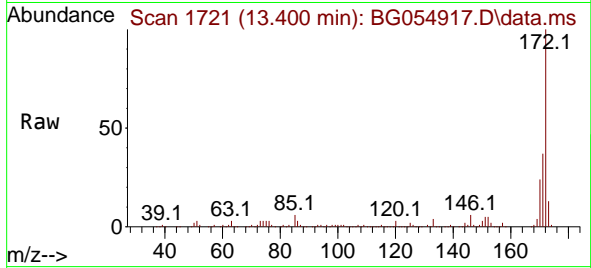
Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.8	119.6
141	27.0	26.8	40.2



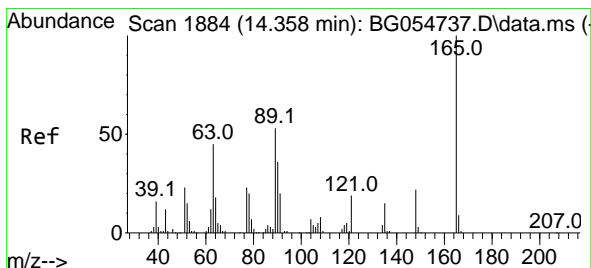
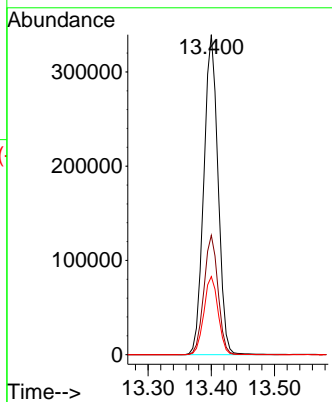
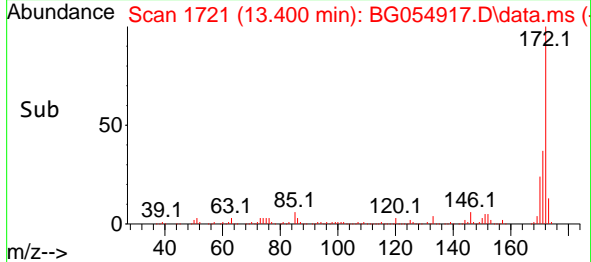


#45
 2-Fluorobiphenyl
 Concen: 66.382 ng
 RT: 13.400 min Scan# 1
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

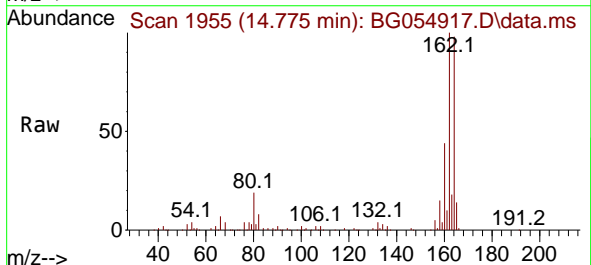
Instrument :
 BNA_G
 ClientSampleId :
 72-11976



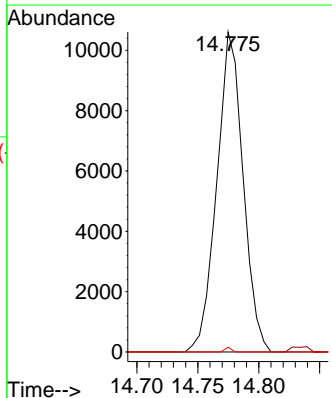
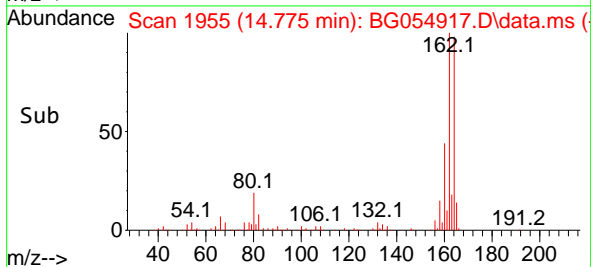
Tgt Ion:172 Resp: 529897
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.2 46.8
 170 24.4 20.6 30.8

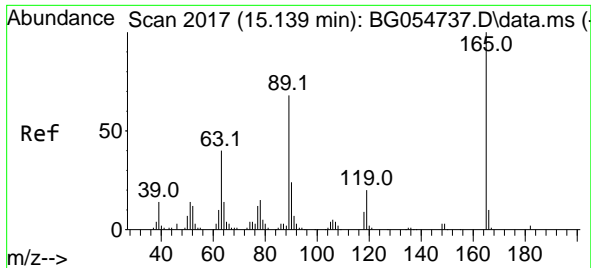


#51
 2,6-Dinitrotoluene
 Concen: 8.424 ng
 RT: 14.775 min Scan# 1955
 Delta R.T. 0.418 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25



Tgt Ion:165 Resp: 15926
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.0 69.0#
 89 1.5 50.3 75.5#

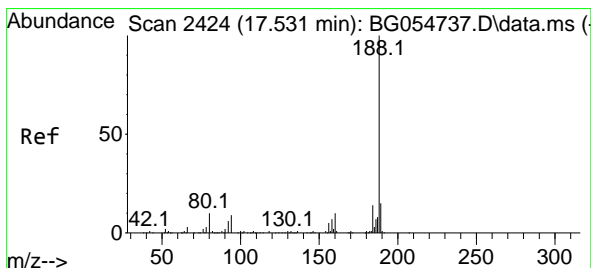
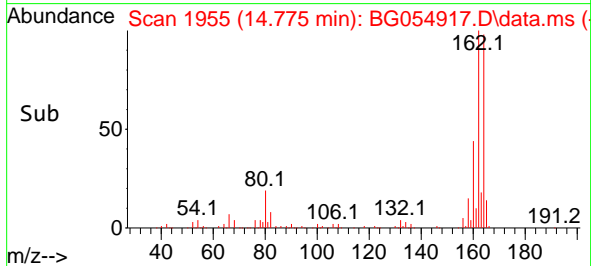
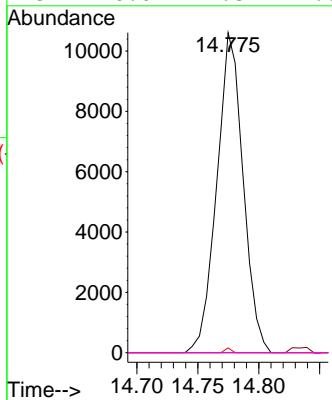
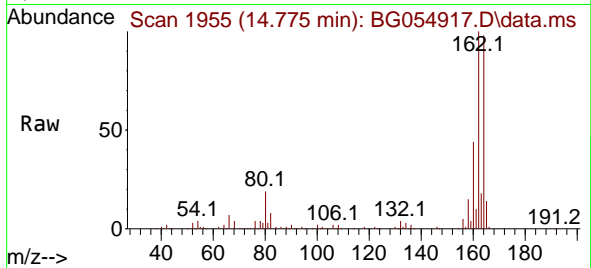




#57
 2,4-Dinitrotoluene
 Concen: 6.090 ng
 RT: 14.775 min Scan# 1955
 Delta R.T. -0.369 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

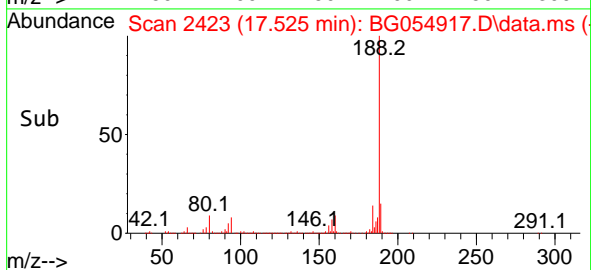
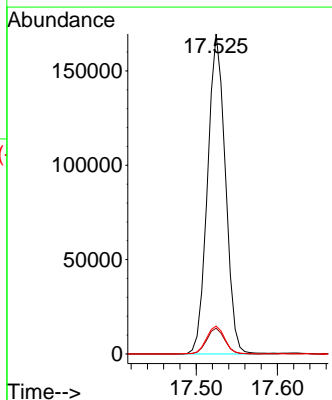
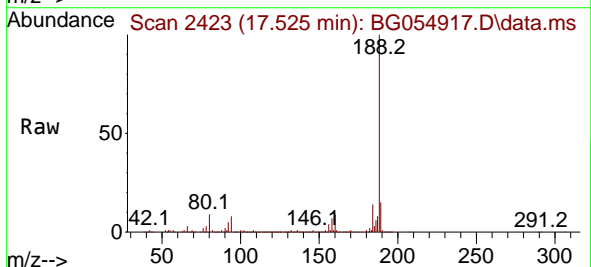
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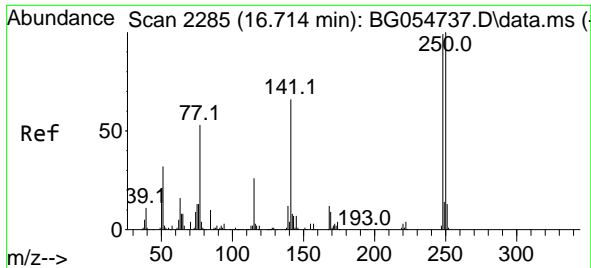
Tgt Ion	Resp	Lower	Upper
165	15926		
63	0.0	36.8	55.2#
89	1.5	64.3	96.5#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.525 min Scan# 2423
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

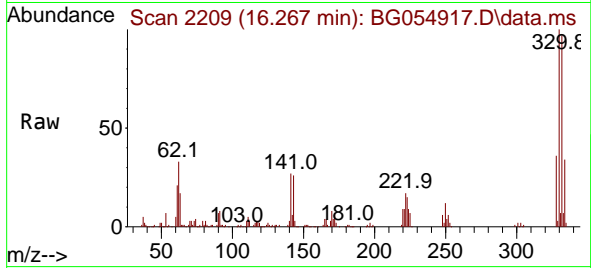
Tgt Ion	Resp	Lower	Upper
188	258420		
94	8.0	7.0	10.4
80	8.7	7.9	11.9



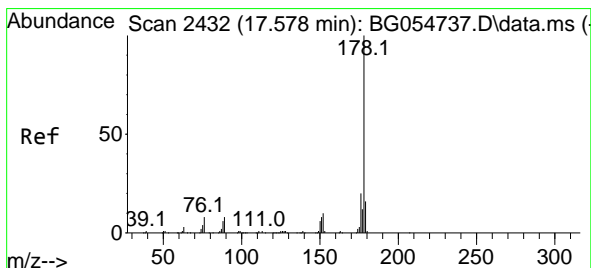
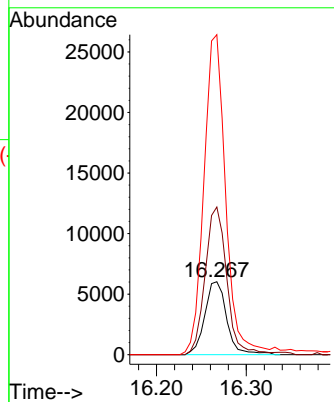
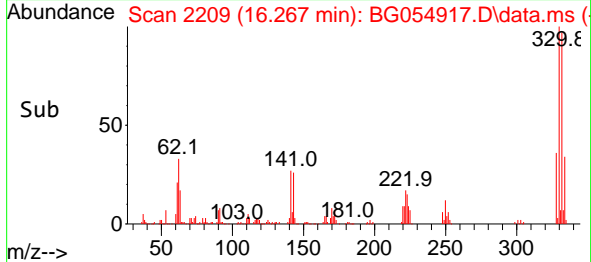


#67
 4-Bromophenyl-phenylether
 Concen: 3.606 ng
 RT: 16.267 min Scan# 21
 Delta R.T. -0.439 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

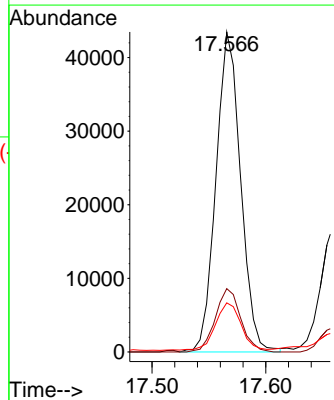
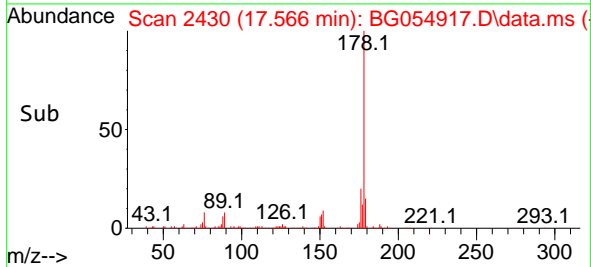
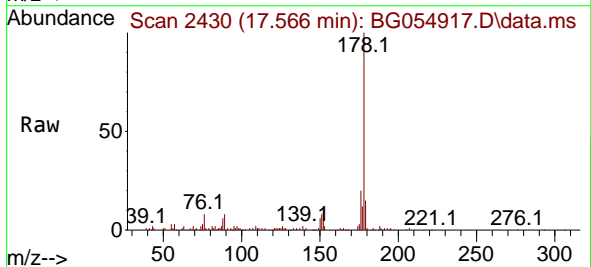


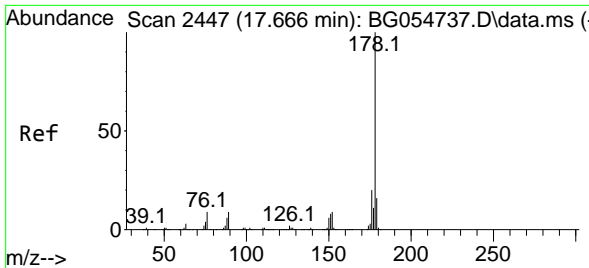
Tgt Ion:248 Resp: 10232
 Ion Ratio Lower Upper
 248 100
 250 202.7 78.8 118.2#
 141 439.0 51.9 77.9#



#71
 Phenanthrene
 Concen: 4.766 ng
 RT: 17.566 min Scan# 2430
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:178 Resp: 65615
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 25.0
 179 15.4 12.8 19.2



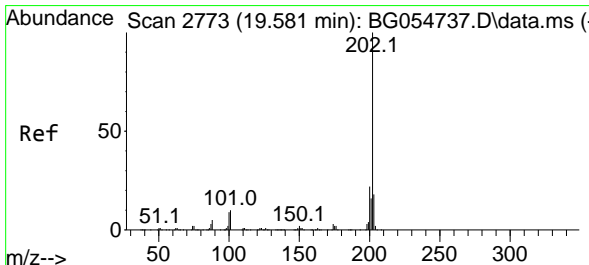
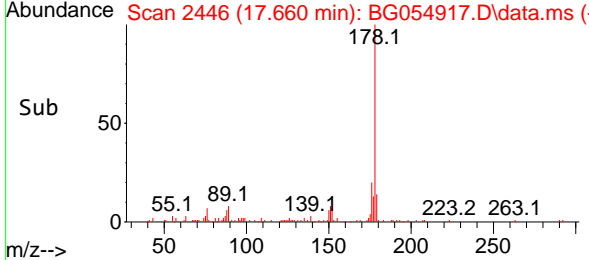
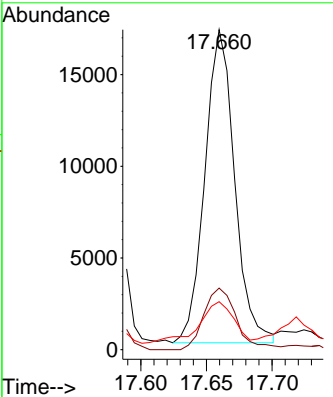
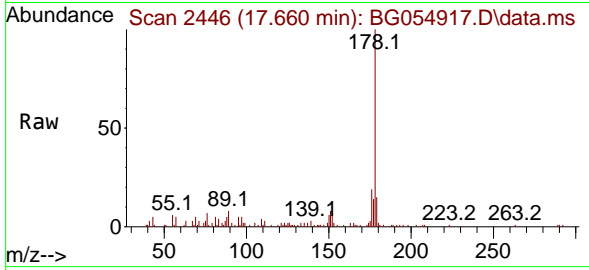


#72
 Anthracene
 Concen: 2.012 ng
 RT: 17.660 min Scan# 24
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument : BNA_G
 ClientSampleId : 72-11976

Tgt Ion:178 Resp: 26930

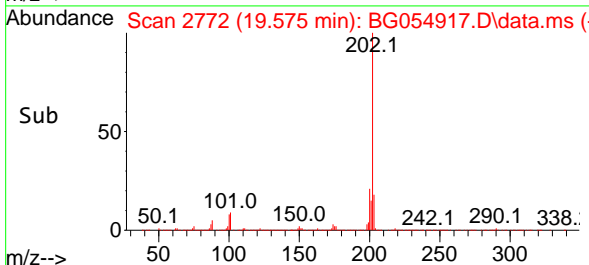
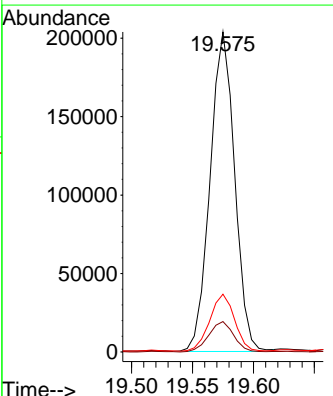
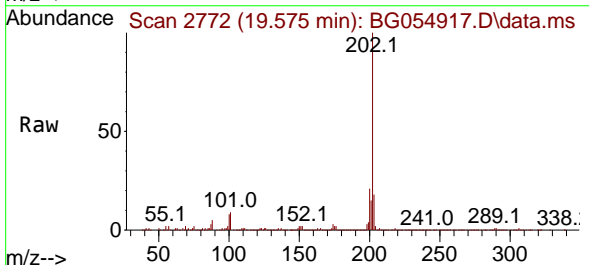
Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.0	12.9	19.3

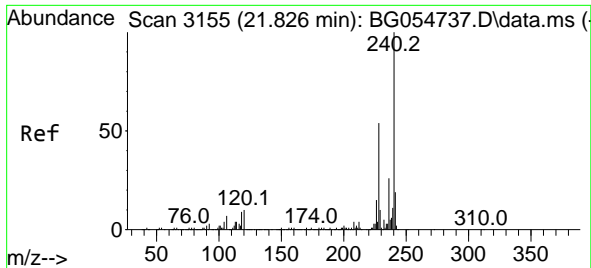


#75
 Fluoranthene
 Concen: 17.061 ng
 RT: 19.575 min Scan# 2772
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:202 Resp: 285713

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.4
203	18.1	0.0	38.6



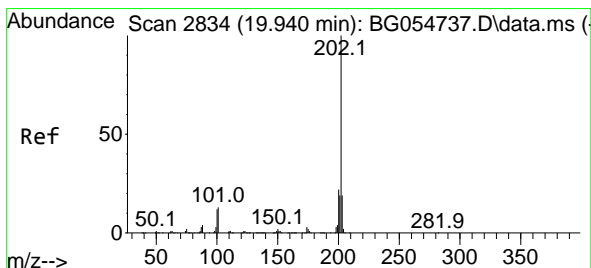
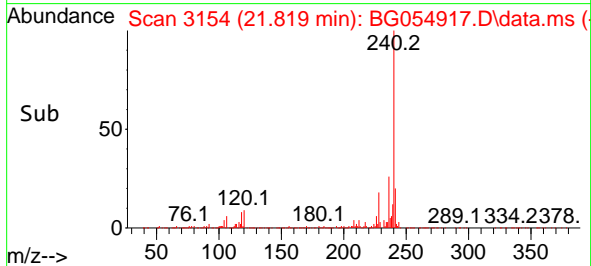
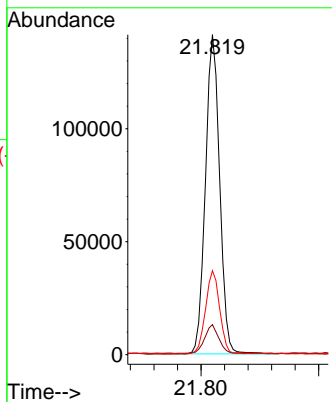
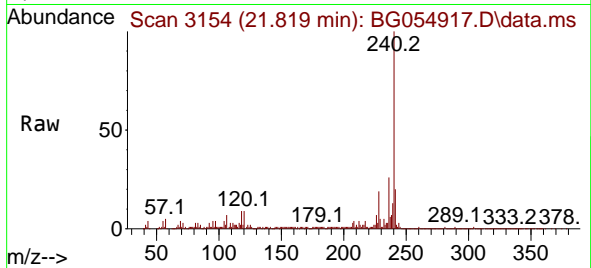


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.819 min Scan# 3154
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976

Tgt Ion: 240 Resp: 237562

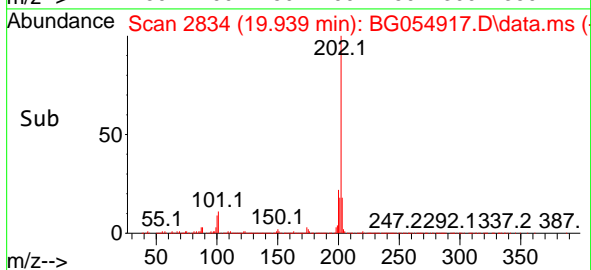
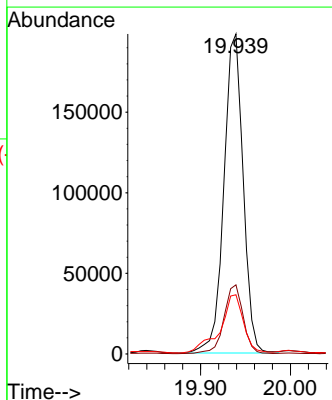
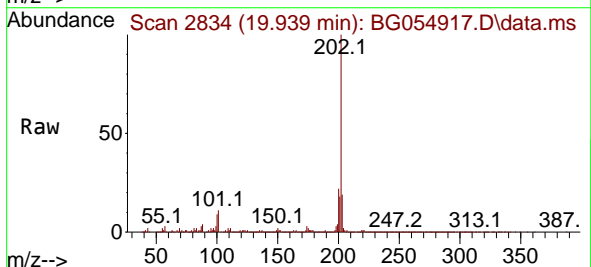
Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.4
236	26.3	21.2	31.8

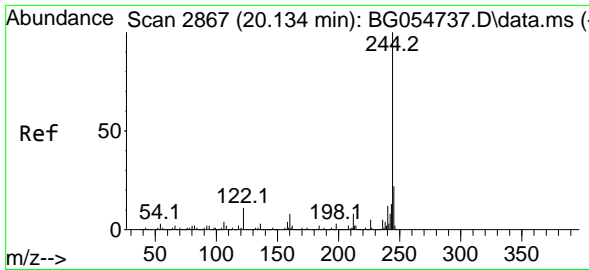


#78
 Pyrene
 Concen: 17.794 ng
 RT: 19.939 min Scan# 2834
 Delta R.T. 0.001 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion: 202 Resp: 294763

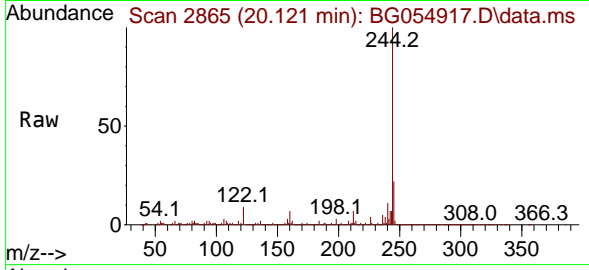
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	18.5	14.6	21.8





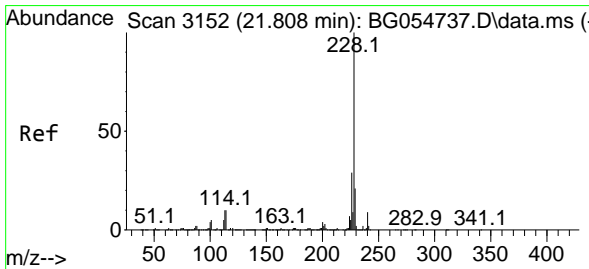
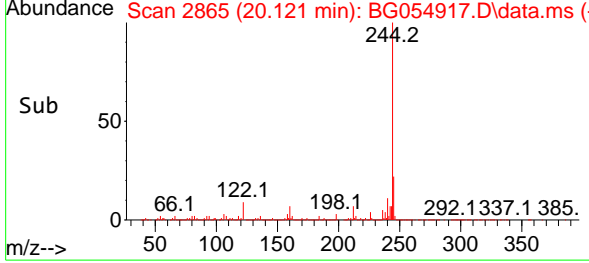
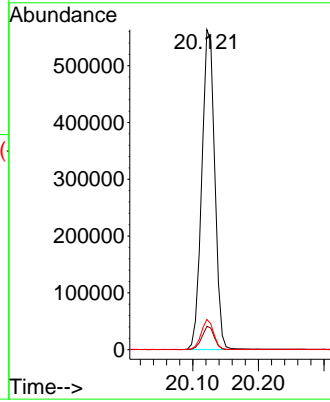
#79
 Terphenyl-d14
 Concen: 64.725 ng
 RT: 20.121 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976



Tgt Ion:244 Resp: 776032

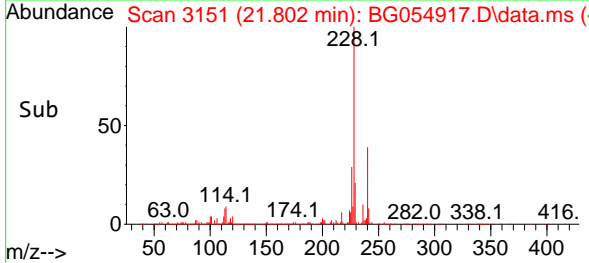
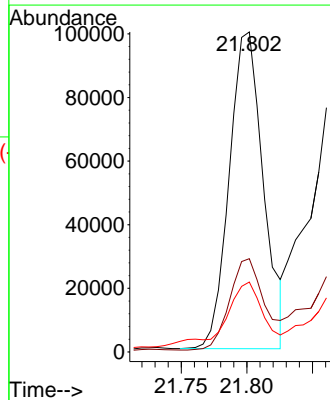
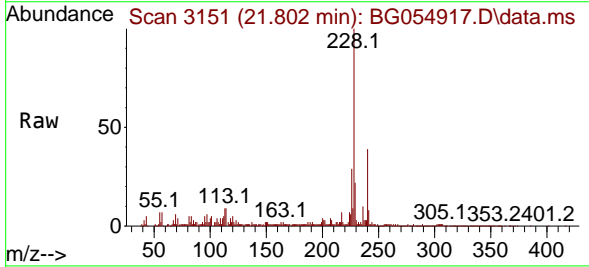
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	9.5	9.0	13.6

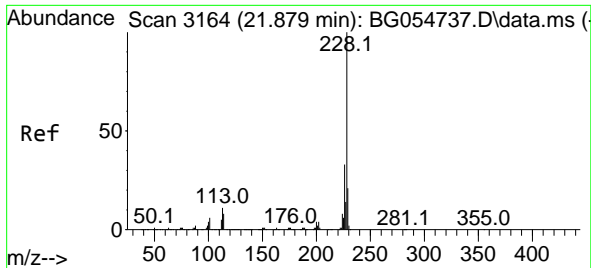


#81
 Benzo(a)anthracene
 Concen: 11.164 ng
 RT: 21.802 min Scan# 3151
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:228 Resp: 179816

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.8	16.5	24.7

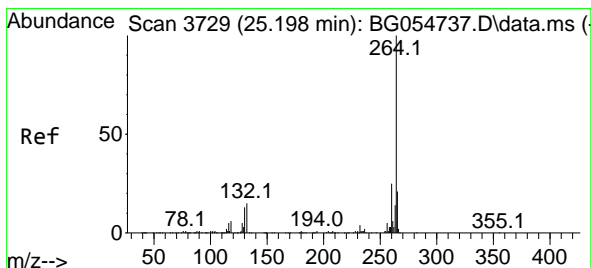
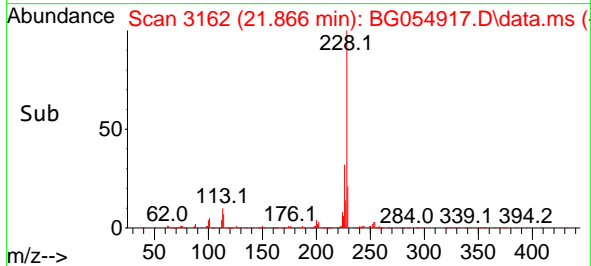
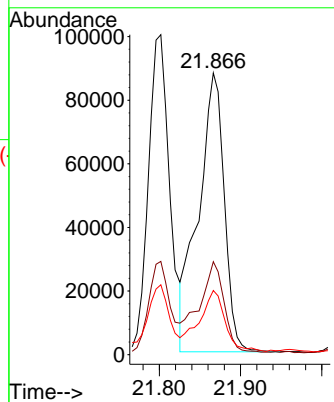
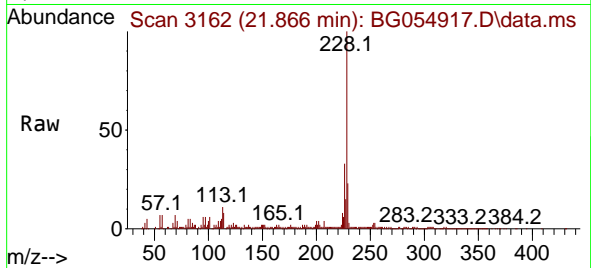




#83
 Chrysene
 Concen: 12.638 ng
 RT: 21.866 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

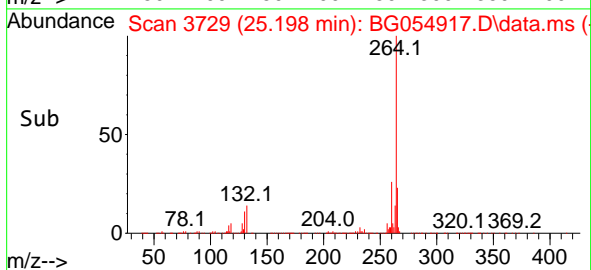
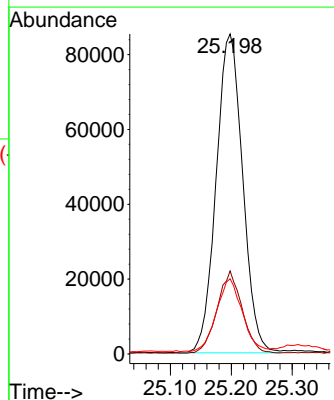
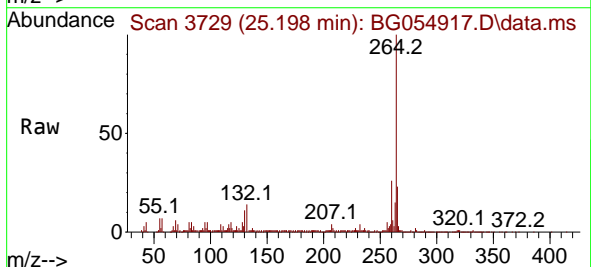
Instrument :
 BNA_G
 ClientSampleId :
 72-11976

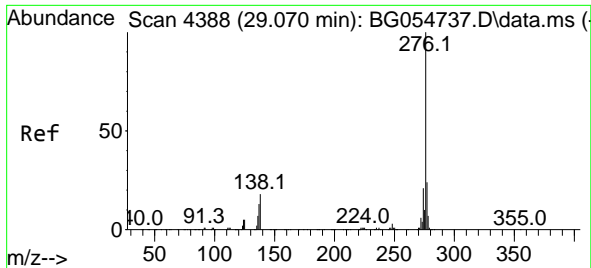
Tgt Ion:228 Resp: 194642
 Ion Ratio Lower Upper
 228 100
 226 33.0 25.5 38.3
 229 22.8 16.8 25.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.198 min Scan# 3729
 Delta R.T. -0.005 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion:264 Resp: 257326
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.9 29.9
 265 23.5 16.9 25.3

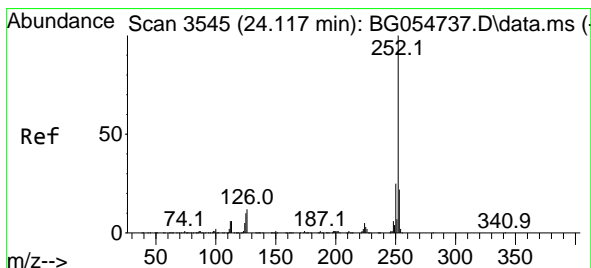
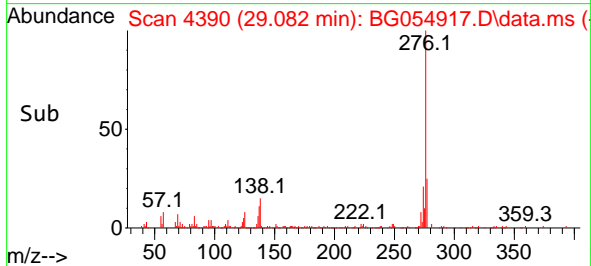
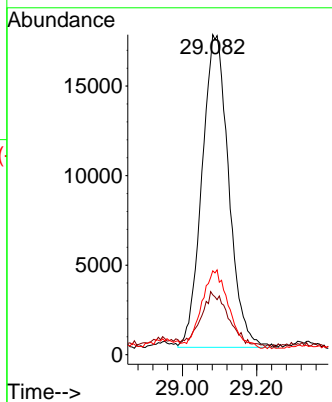
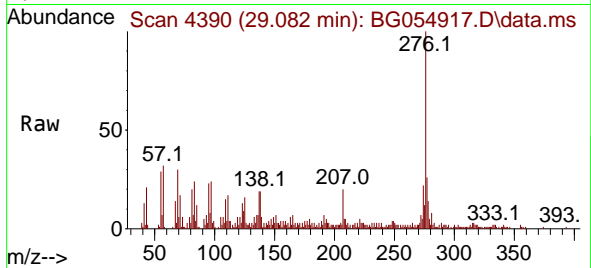




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.470 ng
 RT: 29.082 min Scan# 41
 Delta R.T. -0.028 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

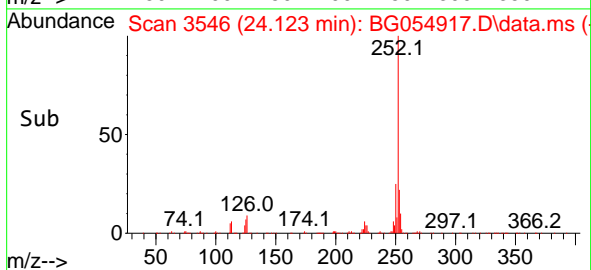
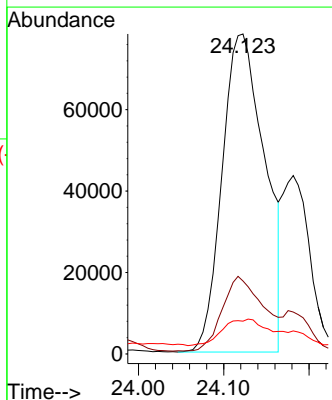
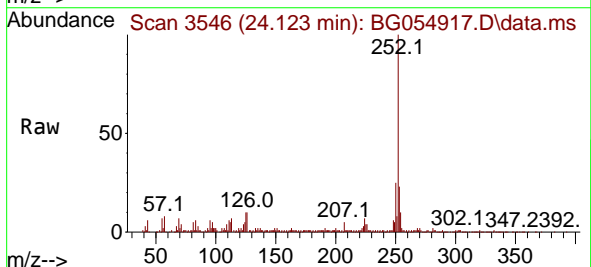
Instrument :
 BNA_G
 ClientSampleId :
 72-11976

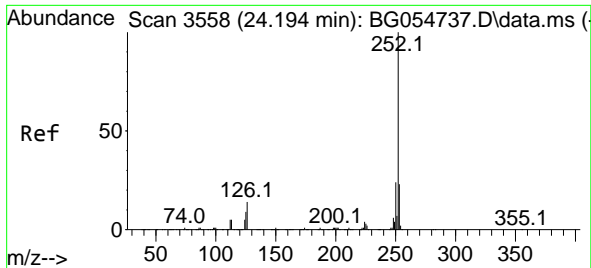
Tgt Ion	Resp	Lower	Upper
276	87329	100	100
138	16.1	12.0	18.0
277	25.6	20.2	30.4



#88
 Benzo(b)fluoranthene
 Concen: 16.867 ng
 RT: 24.123 min Scan# 3546
 Delta R.T. 0.001 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Tgt Ion	Resp	Lower	Upper
252	272267	100	100
253	22.8	18.0	27.0
125	10.3	8.1	12.1

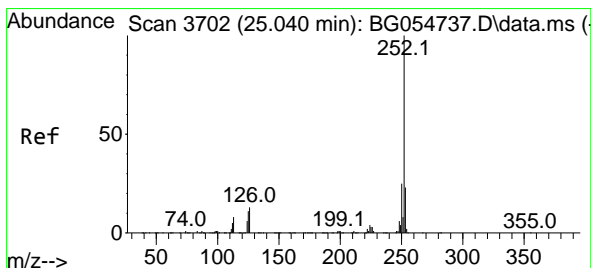
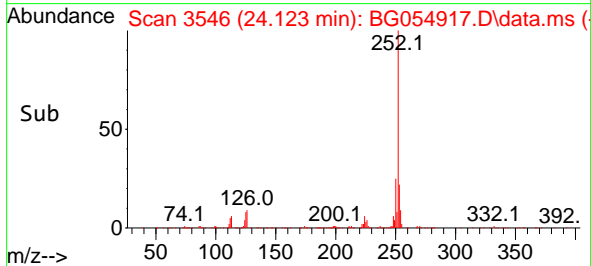
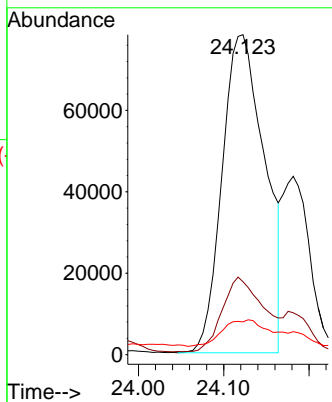
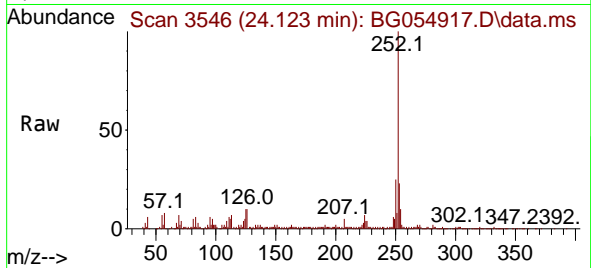




#89
 Benzo(k)fluoranthene
 Concen: 16.759 ng
 RT: 24.123 min Scan# 31
 Delta R.T. -0.069 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

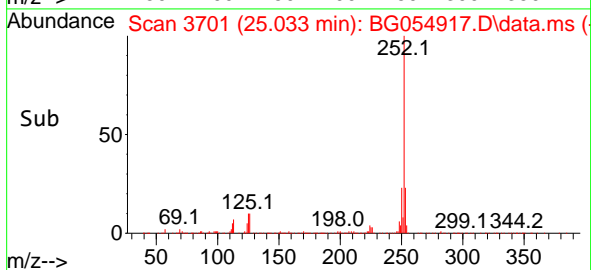
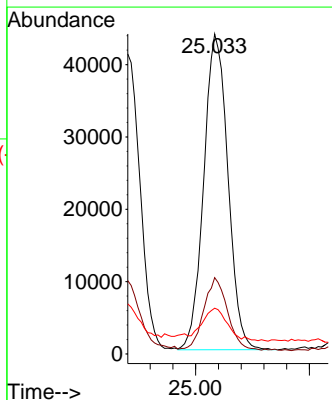
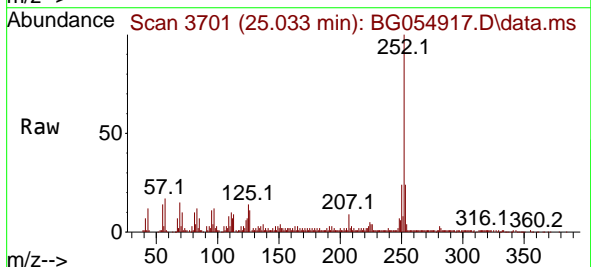
Instrument :
 BNA_G
 ClientSampleId :
 72-11976

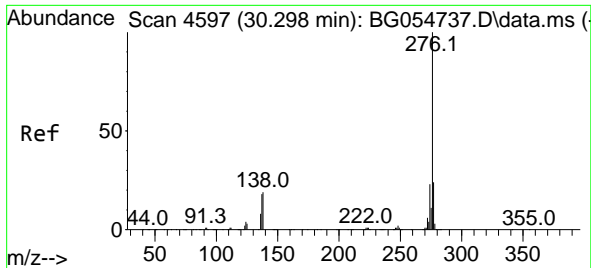
Tgt Ion:252 Resp: 272267
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 10.3 8.2 12.4



#90
 Benzo(a)pyrene
 Concen: 9.325 ng
 RT: 25.033 min Scan# 3701
 Delta R.T. -0.016 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

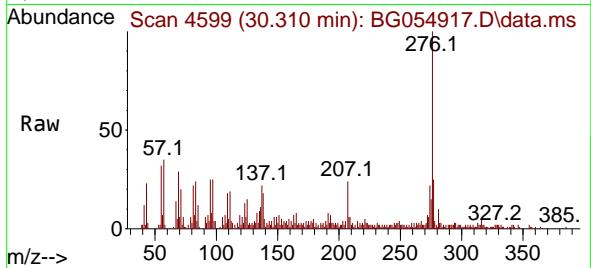
Tgt Ion:252 Resp: 128608
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.3 27.5
 125 14.3 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.936 ng
 RT: 30.310 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: BG054917.D
 Acq: 12 Sep 2022 22:25

Instrument :
 BNA_G
 ClientSampleId :
 72-11976



Tgt Ion: 276 Resp: 79364

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.0
138	18.3	16.6	25.0

