

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080522\  
 Data File : BG054538.D  
 Acq On : 5 Aug 2022 16:52  
 Operator : CG/JU  
 Sample : N3960-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Quant Time: Aug 06 05:40:00 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 04:30:50 2022  
 Response via : Initial Calibration

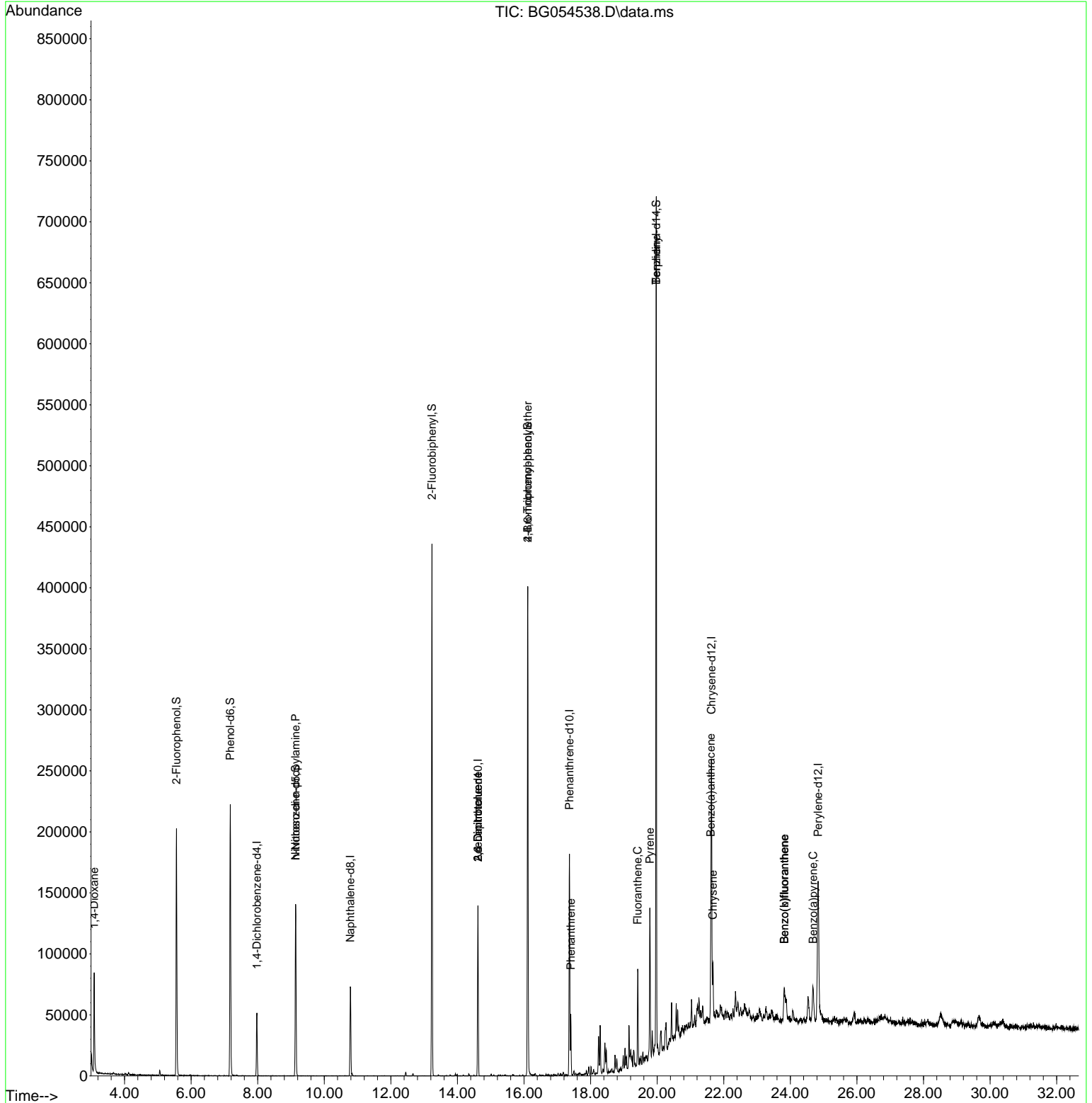
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	16489	20.000	ng	-0.01
21) Naphthalene-d8	10.785	136	68802	20.000	ng	#-0.01
39) Acenaphthene-d10	14.615	164	53909	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	131083	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	141067	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	150361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	90721	114.874	ng	0.00
7) Phenol-d6	7.177	99	126857	117.227	ng	0.00
23) Nitrobenzene-d5	9.139	82	86094	68.144	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	109632	96.858	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	245582	64.264	ng	-0.01
79) Terphenyl-d14	19.974	244	409878	57.640	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.088	88	762	2.425	ng	# 1
9) Benzaldehyde	7.171	77	54	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.139	70	12008	16.617	ng	# 77
51) 2,6-Dinitrotoluene	14.615	165	7708	8.346	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7708	5.822	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6707	3.643	ng	# 1
71) Phenanthrene	17.406	178	35678	5.466	ng	99
75) Fluoranthene	19.416	202	54759	6.154	ng	97
77) Benzidine	19.974	184	5167	2.022	ng	# 90
78) Pyrene	19.780	202	84557	10.446	ng	99
81) Benzo(a)anthracene	21.613	228	37870	4.229	ng	97
83) Chrysene	21.672	228	37305	4.409	ng	97
88) Benzo(b)fluoranthene	23.822	252	40474	4.552	ng	95
89) Benzo(k)fluoranthene	23.822	252	40474	4.574	ng	96
90) Benzo(a)pyrene	24.686	252	32804	4.320	ng	98

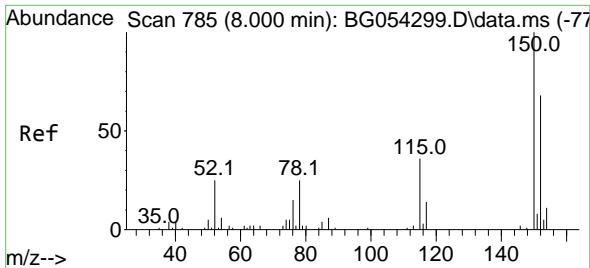
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080522\  
 Data File : BG054538.D  
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 Sample : N3960-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

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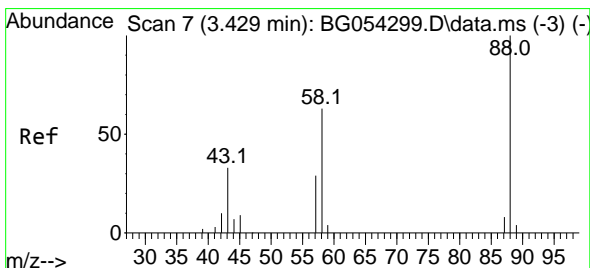
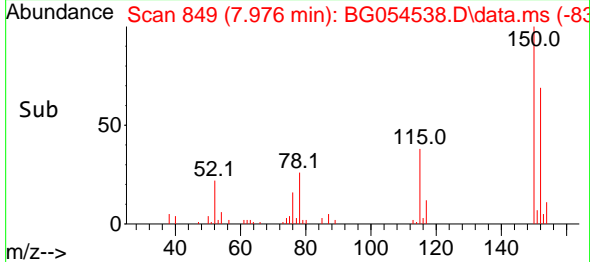
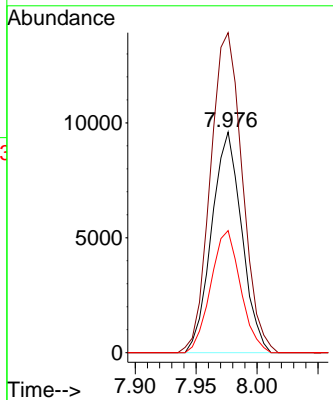
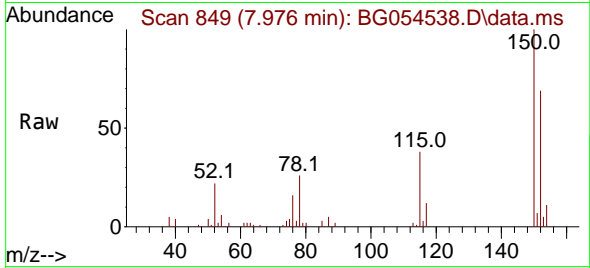




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.976 min Scan# 84  
 Delta R.T. -0.012 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

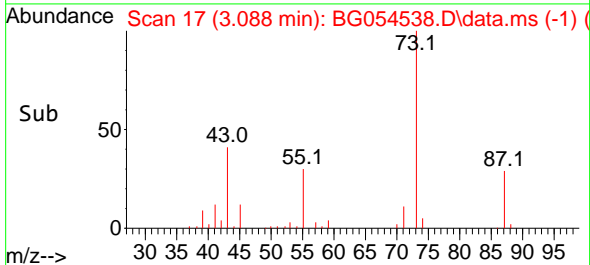
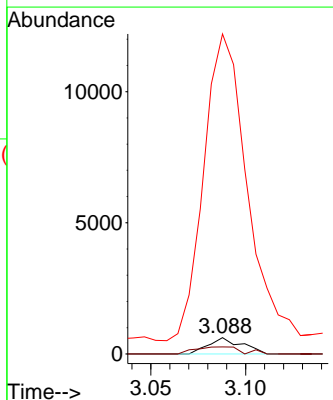
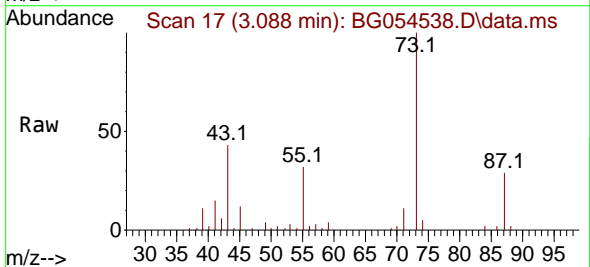
Instrument :  
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 ClientSampleId :  
 RVE-154

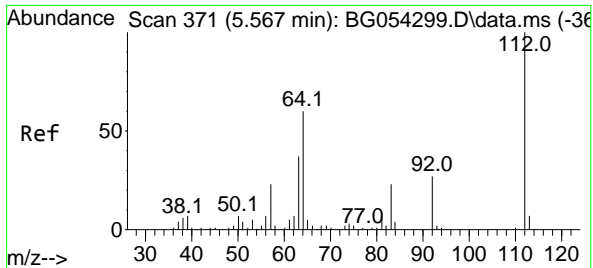
Tgt Ion:152 Resp: 16489  
 Ion Ratio Lower Upper  
 152 100  
 150 145.0 131.6 197.4  
 115 55.3 50.9 76.3



#2  
 1,4-Dioxane  
 Concen: 2.425 ng  
 RT: 3.088 min Scan# 17  
 Delta R.T. -0.329 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion: 88 Resp: 762  
 Ion Ratio Lower Upper  
 88 100  
 58 60.5 59.2 88.8  
 43 2646.9 24.3 36.5#



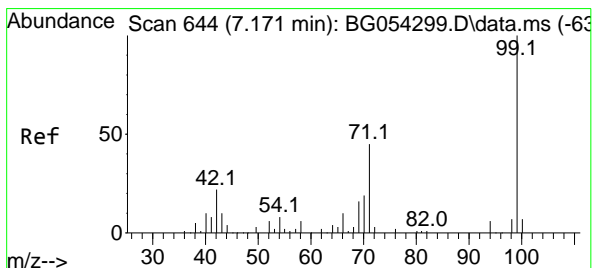
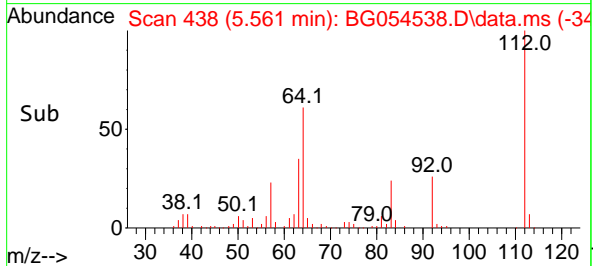
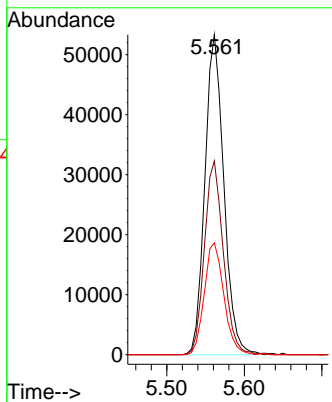
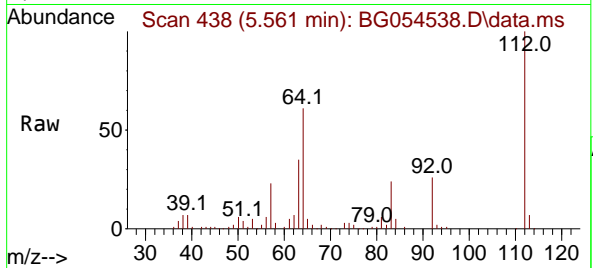


#5  
 2-Fluorophenol  
 Concen: 114.874 ng  
 RT: 5.561 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Tgt Ion:112 Resp: 90721

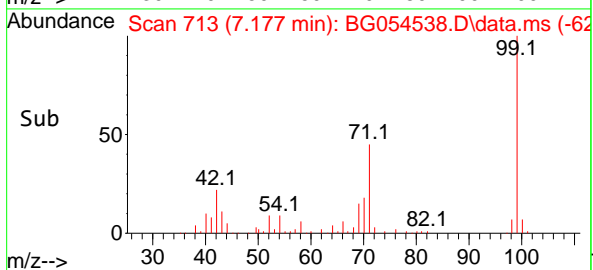
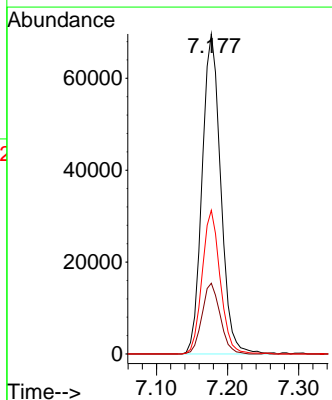
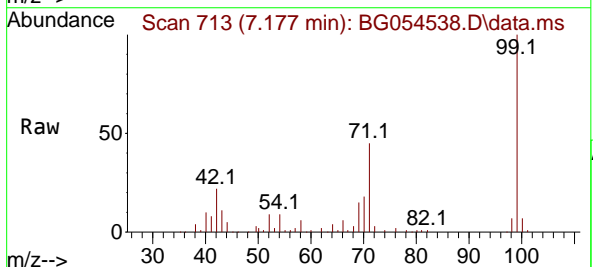
Ion	Ratio	Lower	Upper
112	100		
64	60.6	55.1	82.7
63	34.9	30.4	45.6

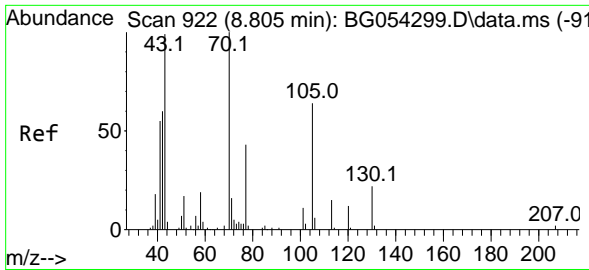


#7  
 Phenol-d6  
 Concen: 117.227 ng  
 RT: 7.177 min Scan# 713  
 Delta R.T. 0.005 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion: 99 Resp: 126857

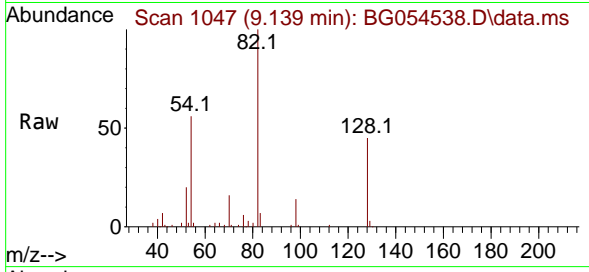
Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.0	25.6
71	44.9	33.8	50.8





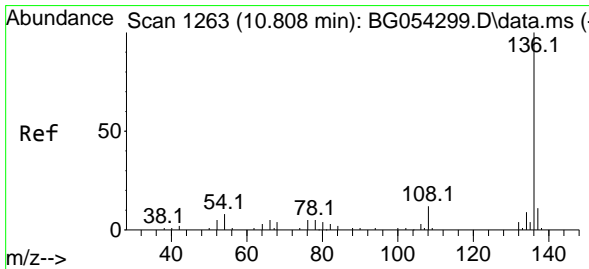
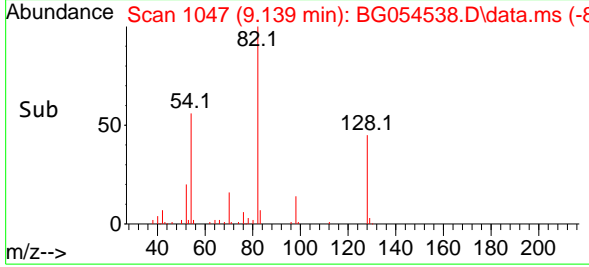
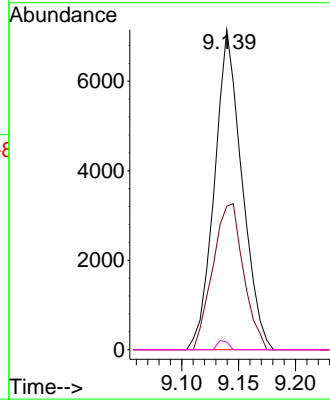
#19  
 n-Nitroso-di-n-propylamine  
 Concen: 16.617 ng  
 RT: 9.139 min Scan# 10  
 Delta R.T. 0.346 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
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Tgt Ion: 70 Resp: 12008

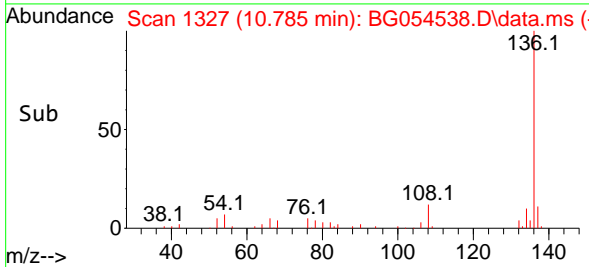
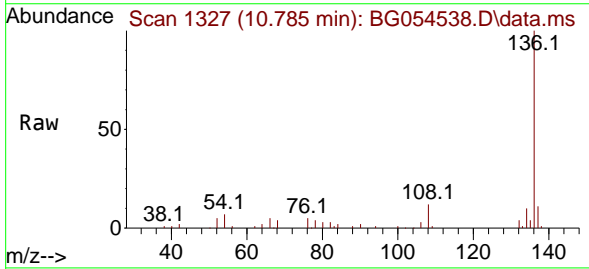
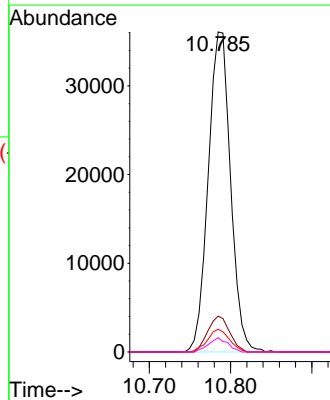
Ion	Ratio	Lower	Upper
70	100		
42	44.8	47.3	70.9#
101	0.0	7.0	10.4#
130	2.4	14.6	22.0#

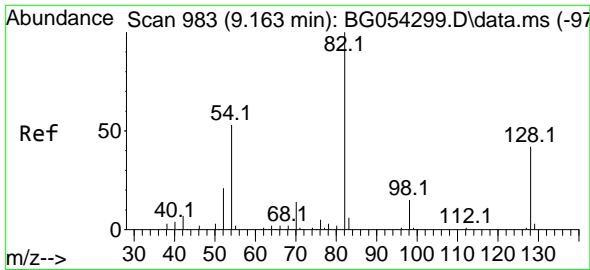


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.785 min Scan# 1327  
 Delta R.T. -0.012 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion: 136 Resp: 68802

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.1	7.4	11.2#
68	4.4	4.9	7.3#

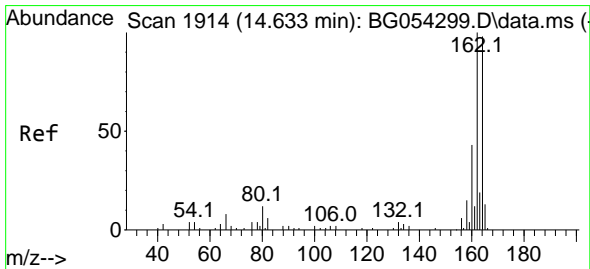
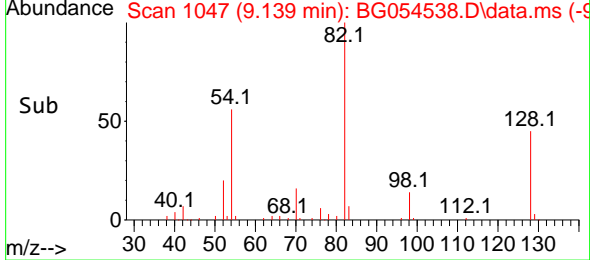
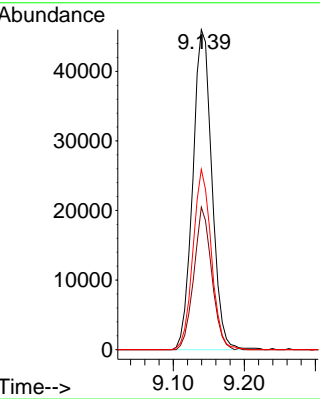
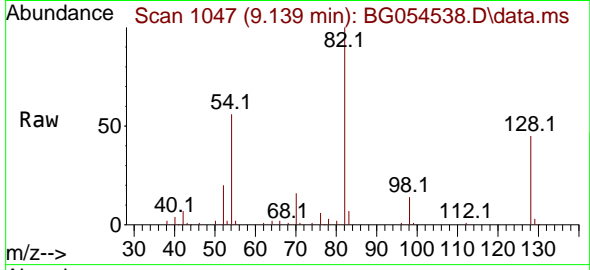




#23  
 Nitrobenzene-d5  
 Concen: 68.144 ng  
 RT: 9.139 min Scan# 10  
 Delta R.T. -0.012 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

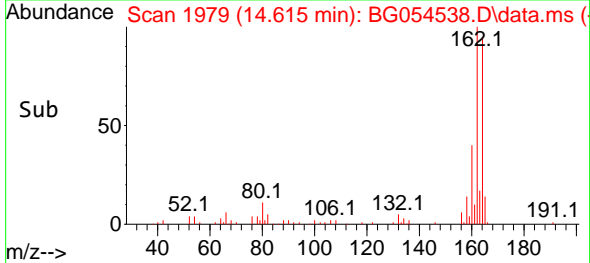
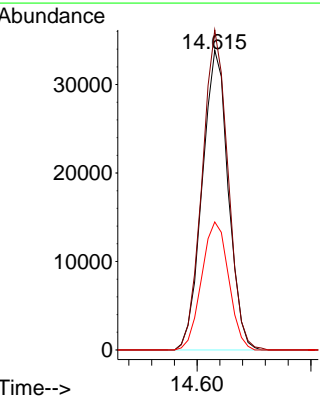
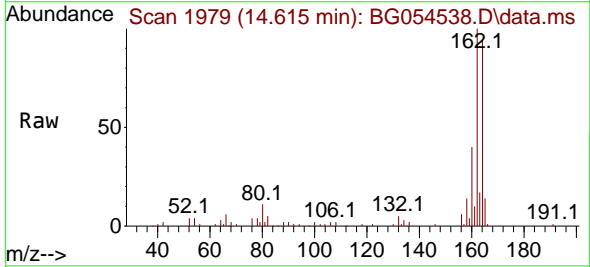
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

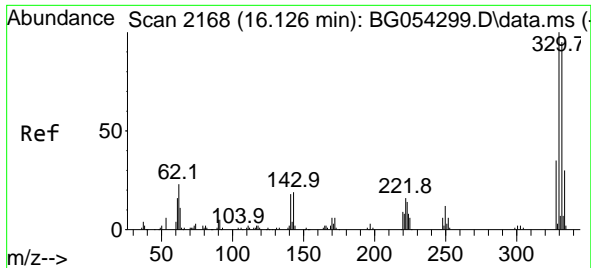
Tgt Ion: 82 Resp: 86094  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 27.9 41.9#  
 54 56.4 41.2 61.8



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.615 min Scan# 1979  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion: 164 Resp: 53909  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 82.3 123.5  
 160 42.7 34.2 51.2

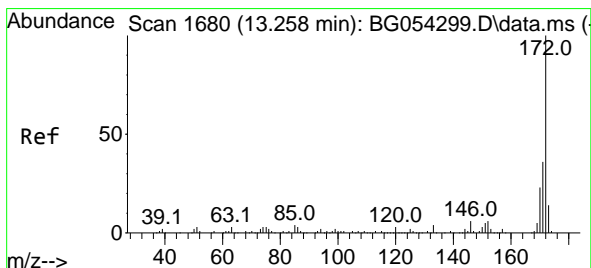
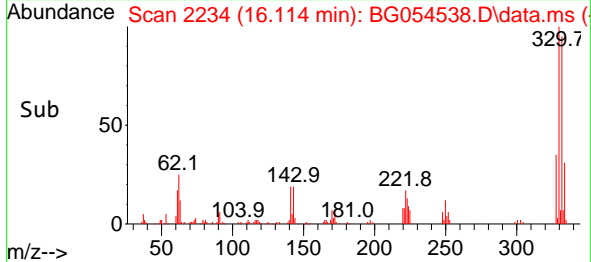
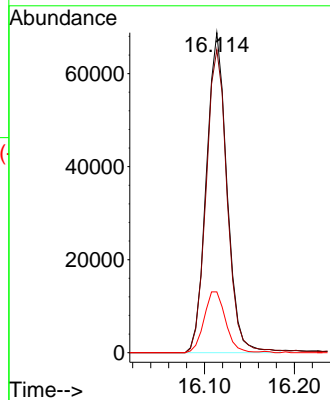
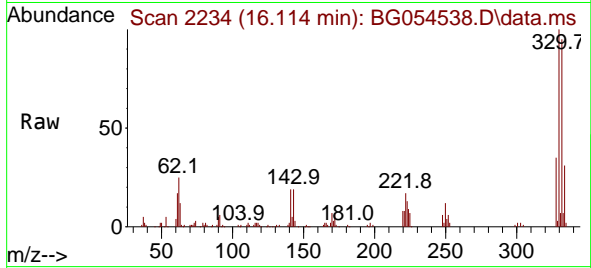




#42  
 2,4,6-Tribromophenol  
 Concen: 96.858 ng  
 RT: 16.114 min Scan# 2168  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

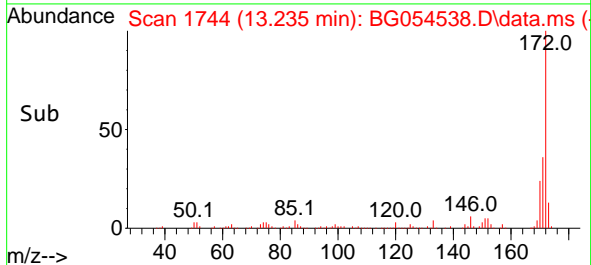
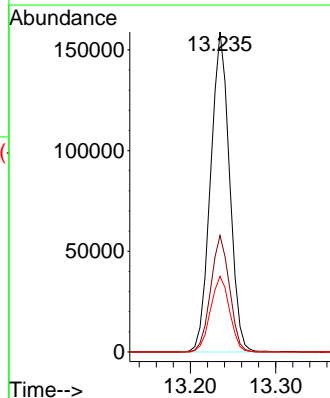
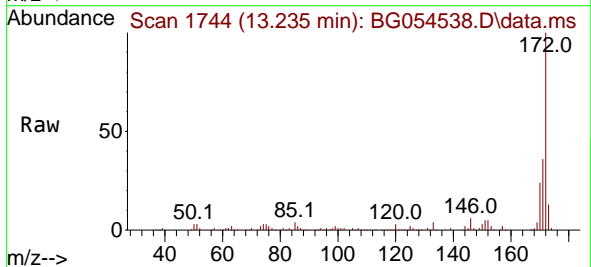
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

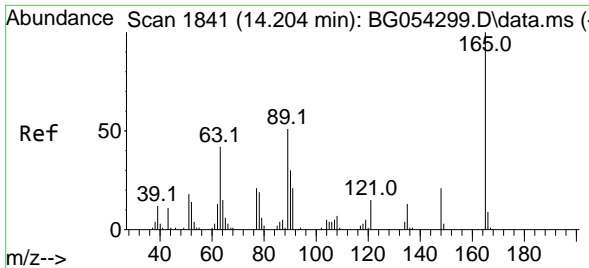
Tgt Ion:330 Resp: 109632  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.0 114.0  
 141 19.8 27.1 40.7#



#45  
 2-Fluorobiphenyl  
 Concen: 64.264 ng  
 RT: 13.235 min Scan# 1744  
 Delta R.T. -0.012 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:172 Resp: 245582  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.5 42.7  
 170 23.7 18.9 28.3



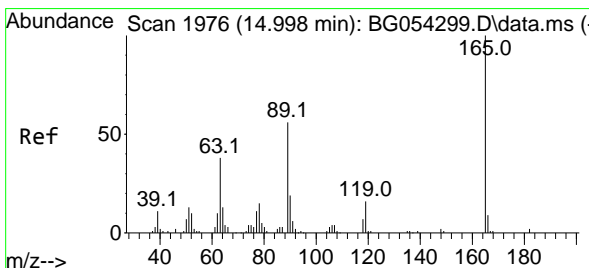
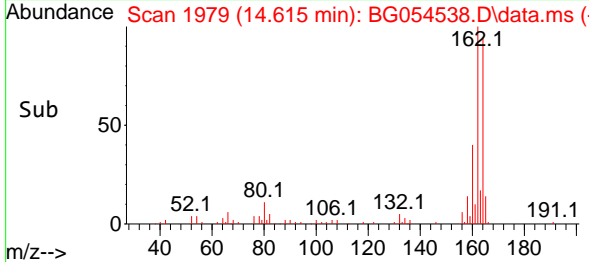
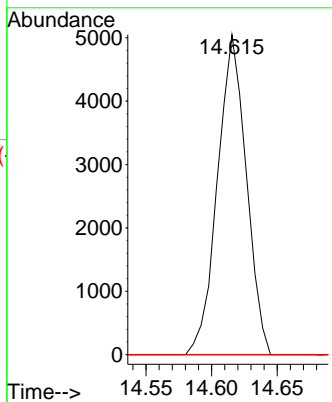
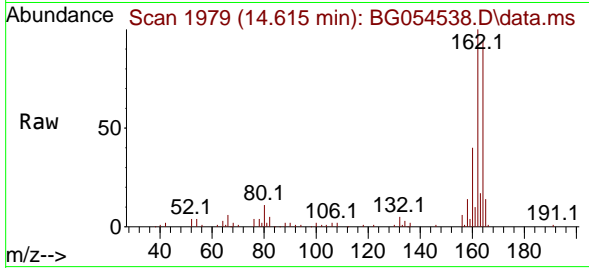


#51  
 2,6-Dinitrotoluene  
 Concen: 8.346 ng  
 RT: 14.615 min Scan# 1979  
 Delta R.T. 0.417 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Tgt Ion:165 Resp: 7708

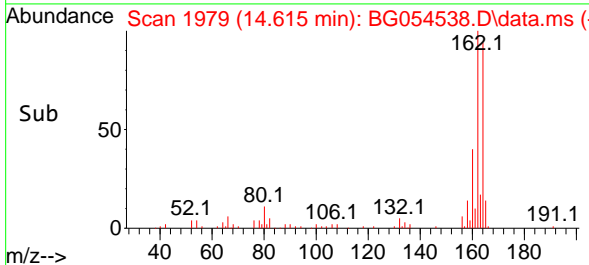
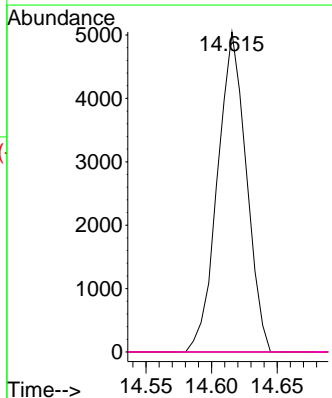
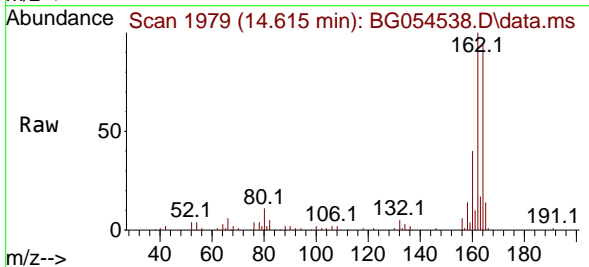
Ion	Ratio	Lower	Upper
165	100		
63	0.0	54.1	81.1#
89	0.0	54.8	82.2#



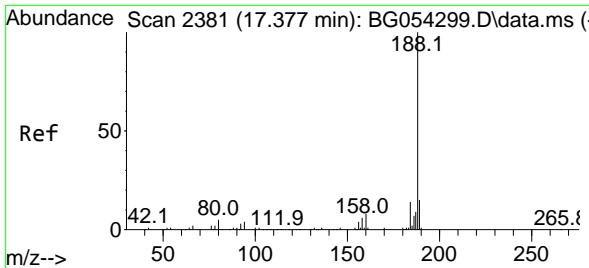
#57  
 2,4-Dinitrotoluene  
 Concen: 5.822 ng  
 RT: 14.615 min Scan# 1979  
 Delta R.T. -0.377 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:165 Resp: 7708

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	0.0	60.3	90.5#
182	0.0	2.2	3.4#

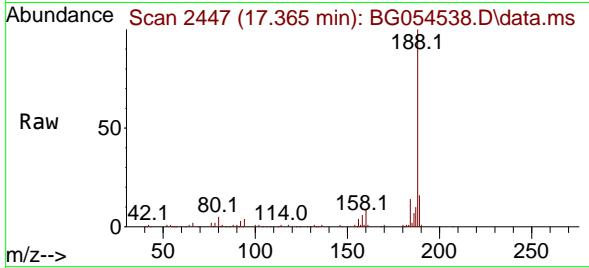






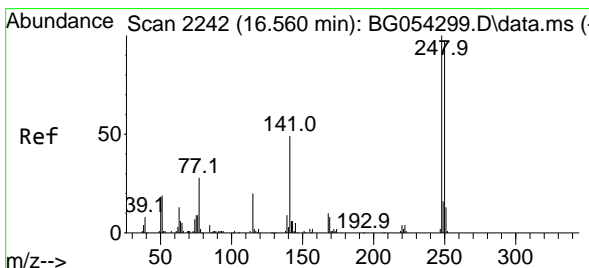
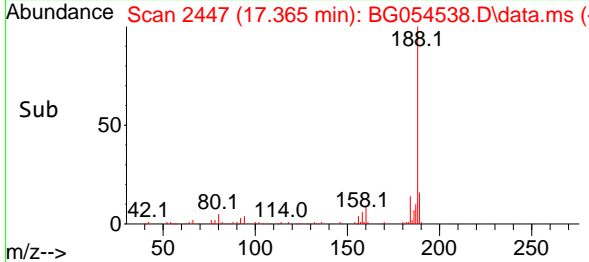
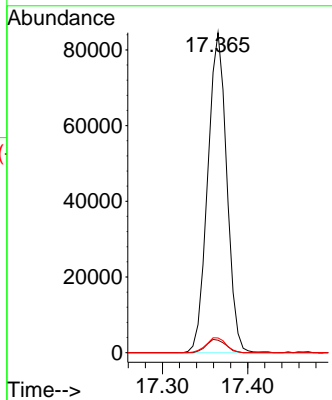
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.365 min Scan# 2447  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument : BNA\_G  
 ClientSampleId : RVE-154

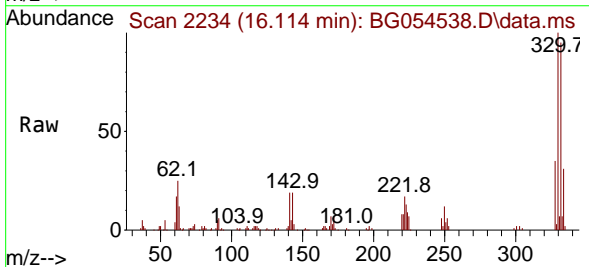


Tgt Ion:188 Resp: 131083

Ion	Ratio	Lower	Upper
188	100		
94	3.9	5.4	8.0#
80	4.6	6.8	10.2#

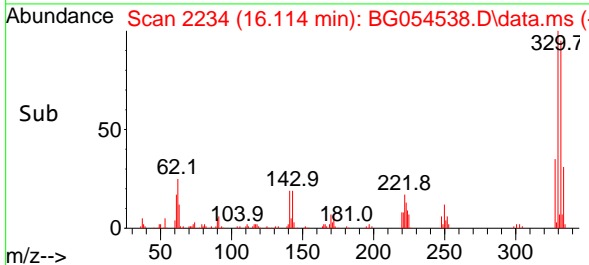
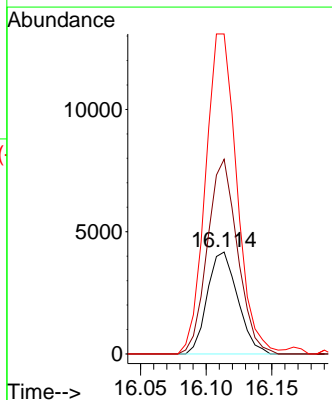


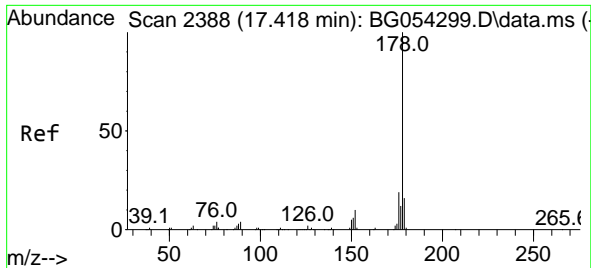
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.643 ng  
 RT: 16.114 min Scan# 2234  
 Delta R.T. -0.441 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52



Tgt Ion:248 Resp: 6707

Ion	Ratio	Lower	Upper
248	100		
250	191.1	75.2	112.8#
141	314.2	50.0	75.0#



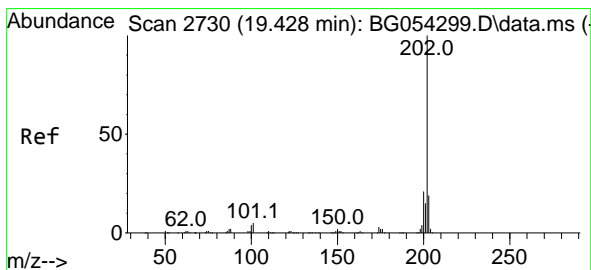
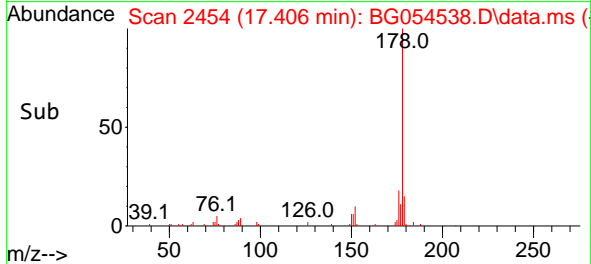
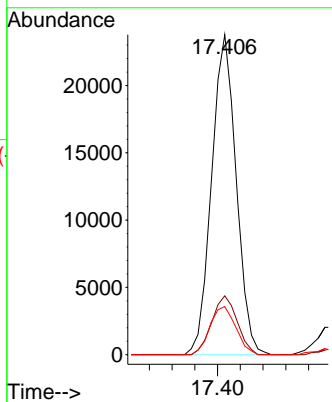
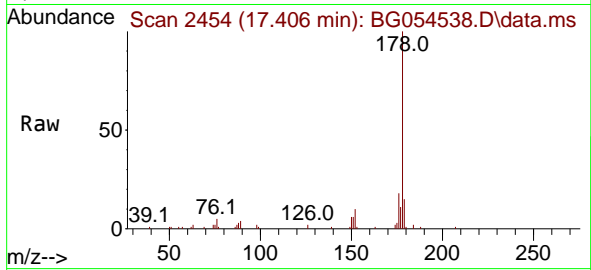


#71  
 Phenanthrene  
 Concen: 5.466 ng  
 RT: 17.406 min Scan# 24  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Tgt Ion:178 Resp: 35678

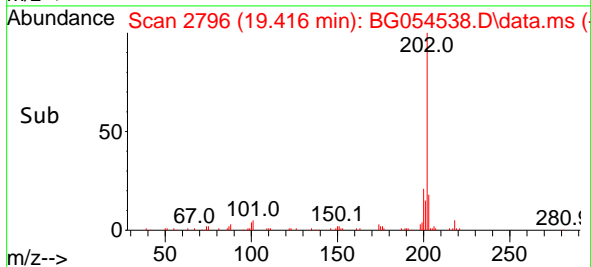
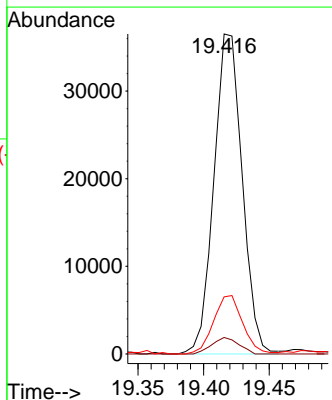
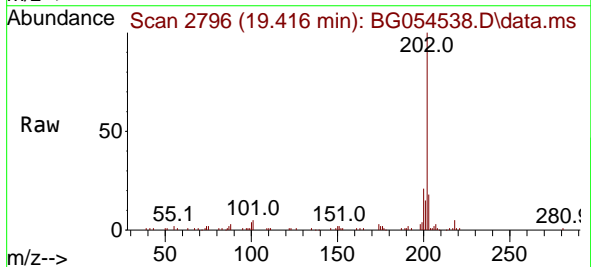
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.1	21.1
179	15.1	12.1	18.1

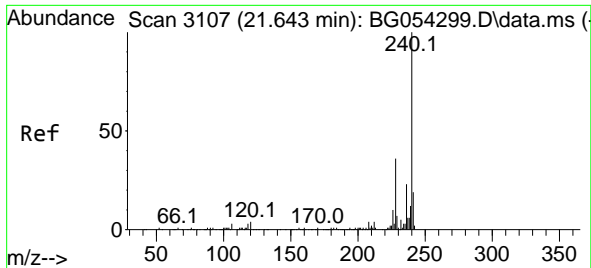


#75  
 Fluoranthene  
 Concen: 6.154 ng  
 RT: 19.416 min Scan# 2796  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:202 Resp: 54759

Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	26.9
203	17.9	0.0	37.2

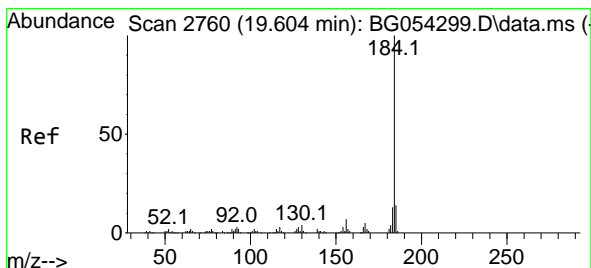
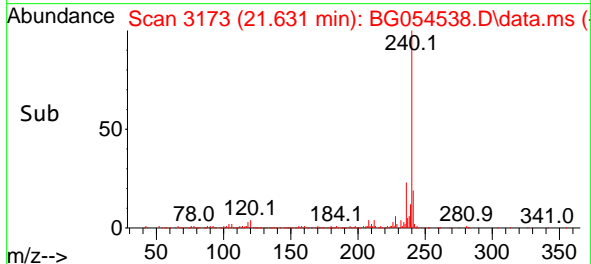
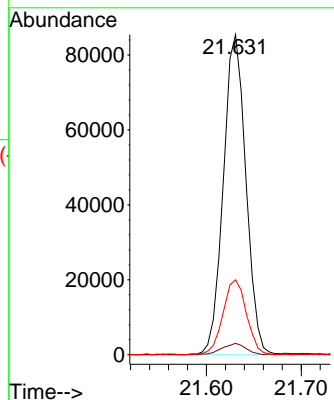
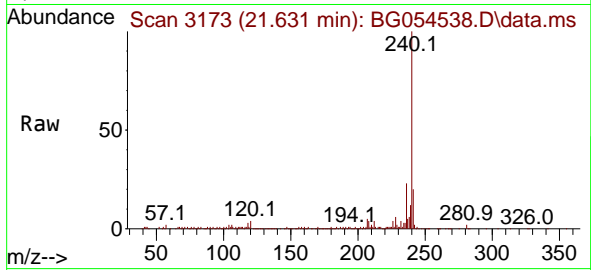




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.631 min Scan# 3107  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

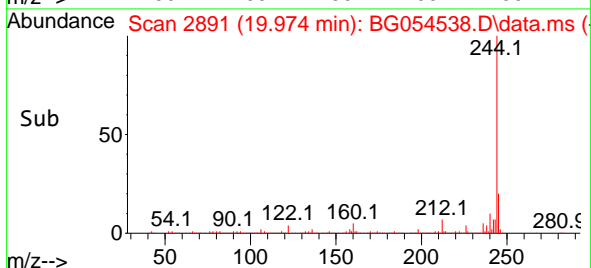
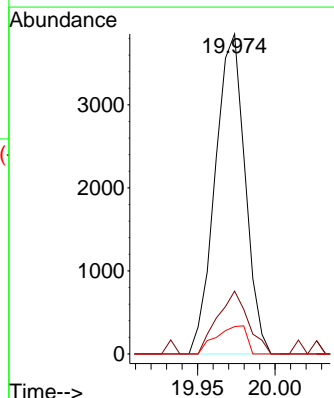
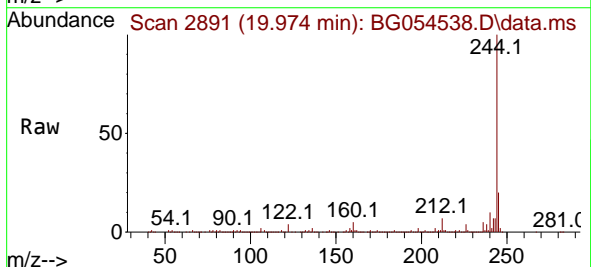
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

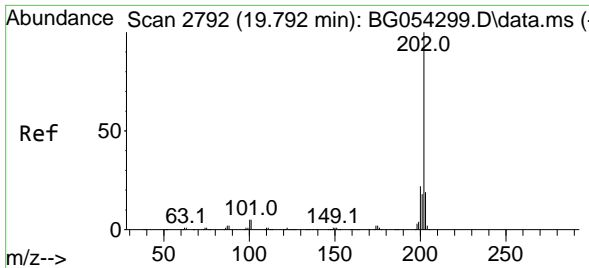
Tgt Ion:240 Resp: 141067  
 Ion Ratio Lower Upper  
 240 100  
 120 3.6 4.6 7.0#  
 236 23.4 20.2 30.4



#77  
 Benzdine  
 Concen: 2.022 ng  
 RT: 19.974 min Scan# 2891  
 Delta R.T. 0.376 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:184 Resp: 5167  
 Ion Ratio Lower Upper  
 184 100  
 185 19.6 11.8 17.6#  
 183 8.6 8.9 13.3#



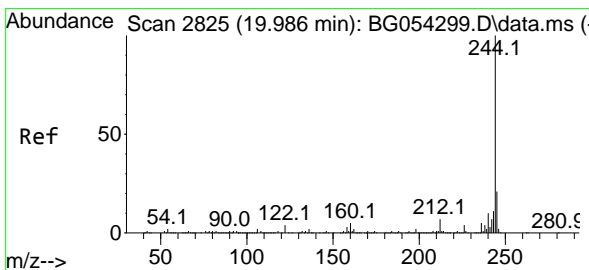
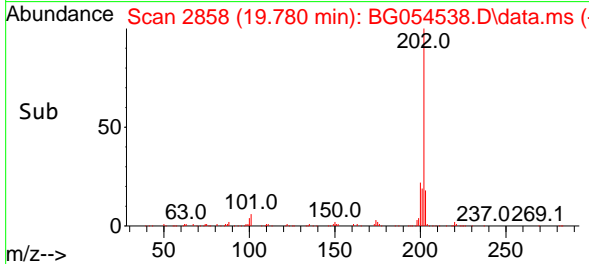
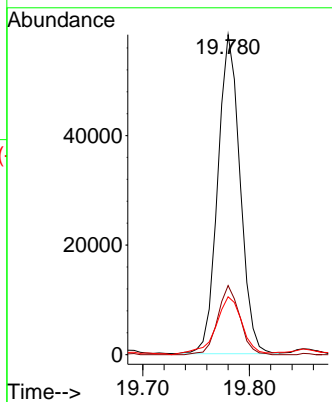
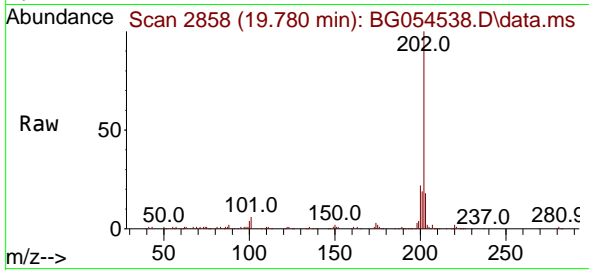


#78  
 Pyrene  
 Concen: 10.446 ng  
 RT: 19.780 min Scan# 2810  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Tgt Ion:202 Resp: 84557

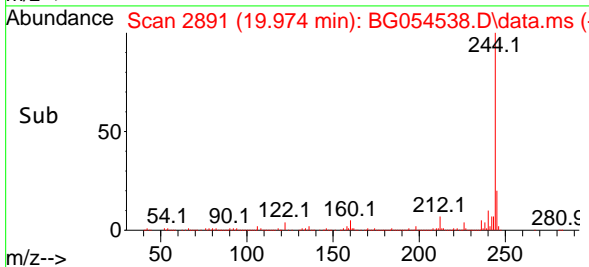
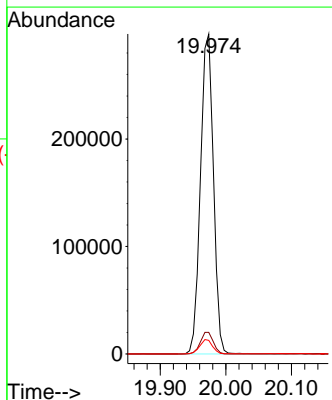
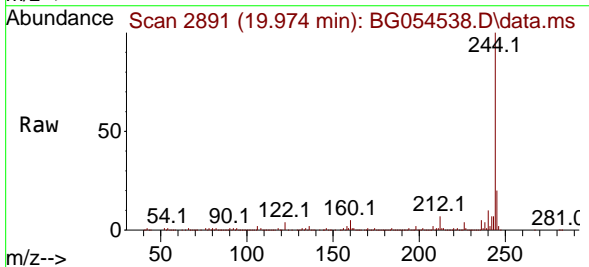
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	18.1	14.6	21.8

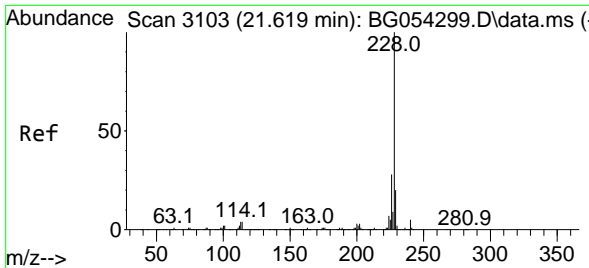


#79  
 Terphenyl-d14  
 Concen: 57.640 ng  
 RT: 19.974 min Scan# 2891  
 Delta R.T. -0.006 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:244 Resp: 409878

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.5	9.7
122	4.2	5.0	7.4



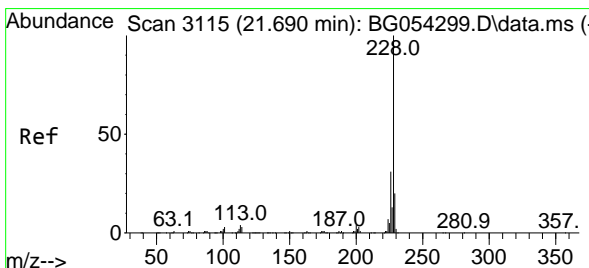
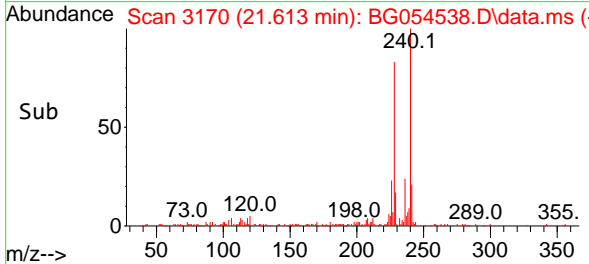
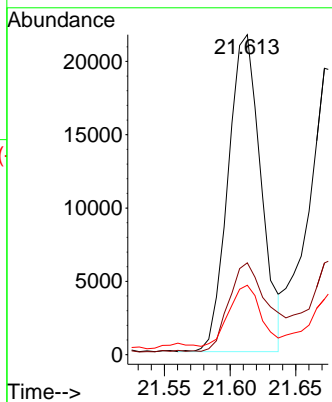
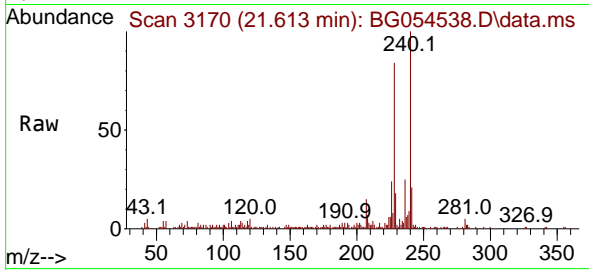


#81  
 Benzo(a)anthracene  
 Concen: 4.229 ng  
 RT: 21.613 min Scan# 3103  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument : BNA\_G  
 ClientSampleId : RVE-154

Tgt Ion:228 Resp: 37870

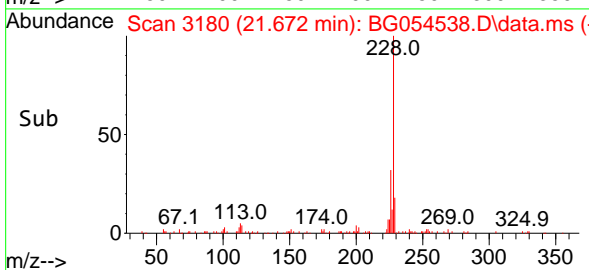
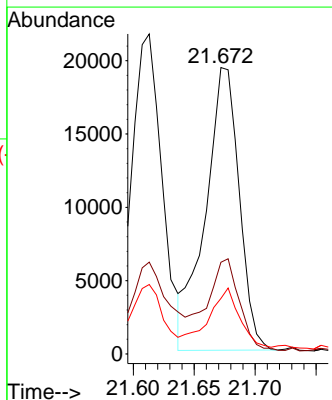
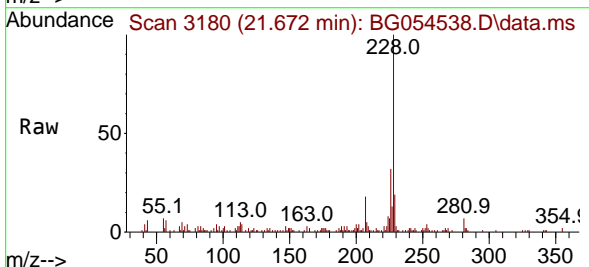
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.6	32.4
229	21.7	16.2	24.2

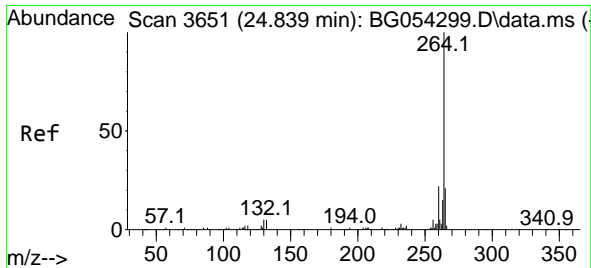


#83  
 Chrysene  
 Concen: 4.409 ng  
 RT: 21.672 min Scan# 3180  
 Delta R.T. -0.012 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:228 Resp: 37305

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.4	35.2
229	19.4	15.5	23.3

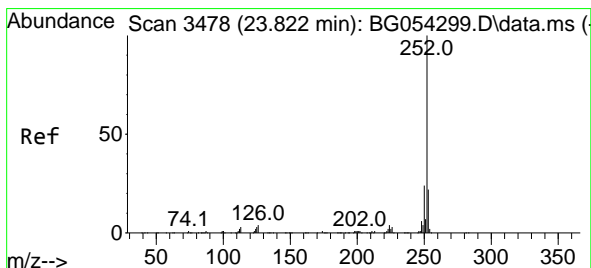
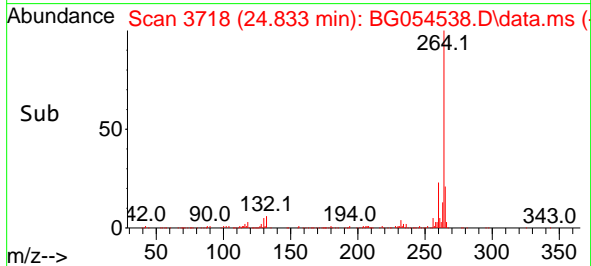
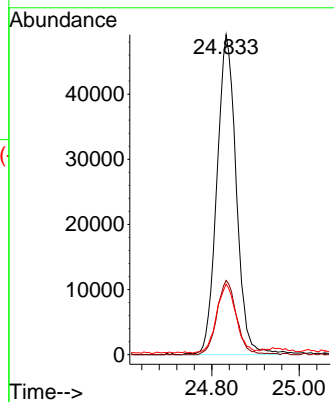
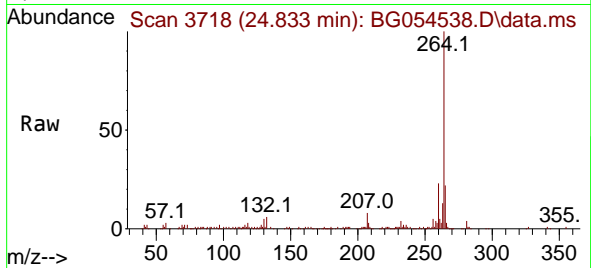




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.833 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

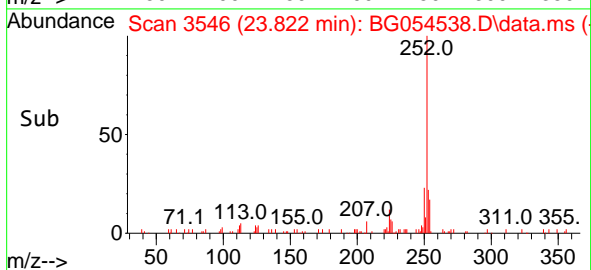
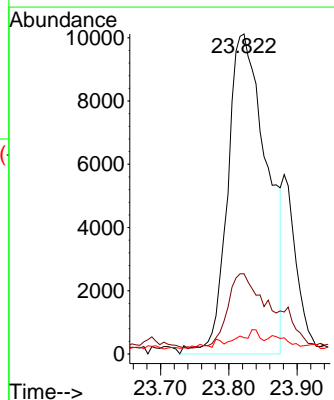
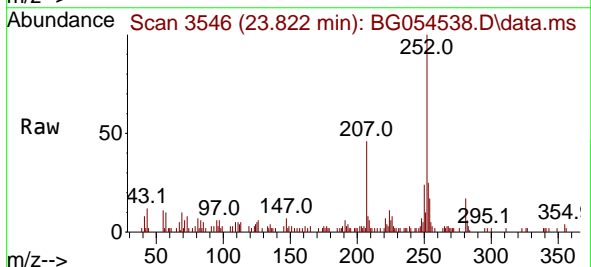
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

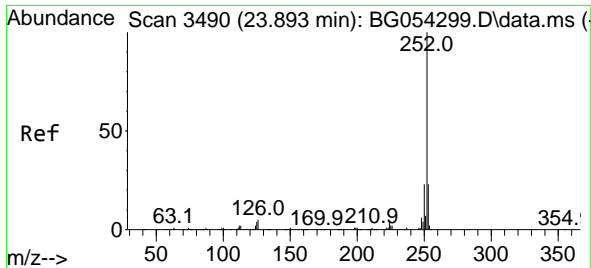
Tgt Ion:264 Resp: 150361  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.0 28.6  
 265 22.1 17.4 26.2



#88  
 Benzo(b)fluoranthene  
 Concen: 4.552 ng  
 RT: 23.822 min Scan# 3546  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion:252 Resp: 40474  
 Ion Ratio Lower Upper  
 252 100  
 253 25.1 18.0 27.0  
 125 5.1 4.6 6.8

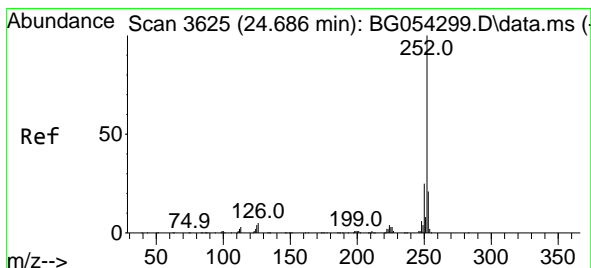
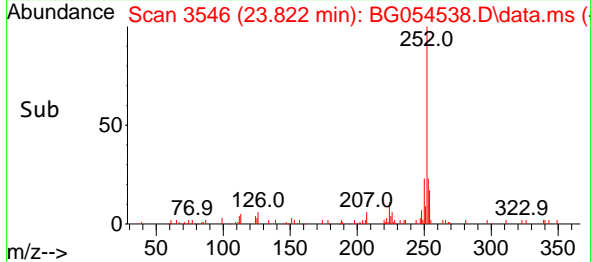
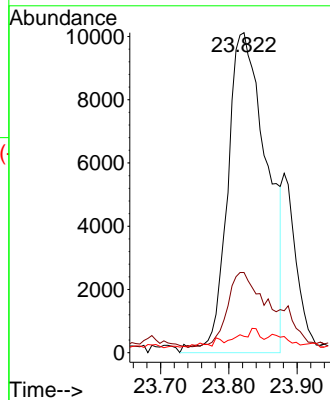
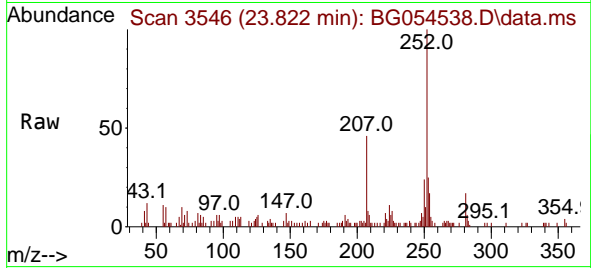




#89  
 Benzo(k)fluoranthene  
 Concen: 4.574 ng  
 RT: 23.822 min Scan# 31  
 Delta R.T. -0.065 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-154

Tgt Ion	Resp	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	5.1	4.8	7.2



#90  
 Benzo(a)pyrene  
 Concen: 4.320 ng  
 RT: 24.686 min Scan# 3693  
 Delta R.T. -0.000 min  
 Lab File: BG054538.D  
 Acq: 5 Aug 2022 16:52

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	5.5	4.3	6.5

