

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
 Data File : BG054450.D
 Acq On : 29 Jul 2022 15:29
 Operator : CG/JU
 Sample : N3895-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-41

Quant Time: Jul 30 03:18:15 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)

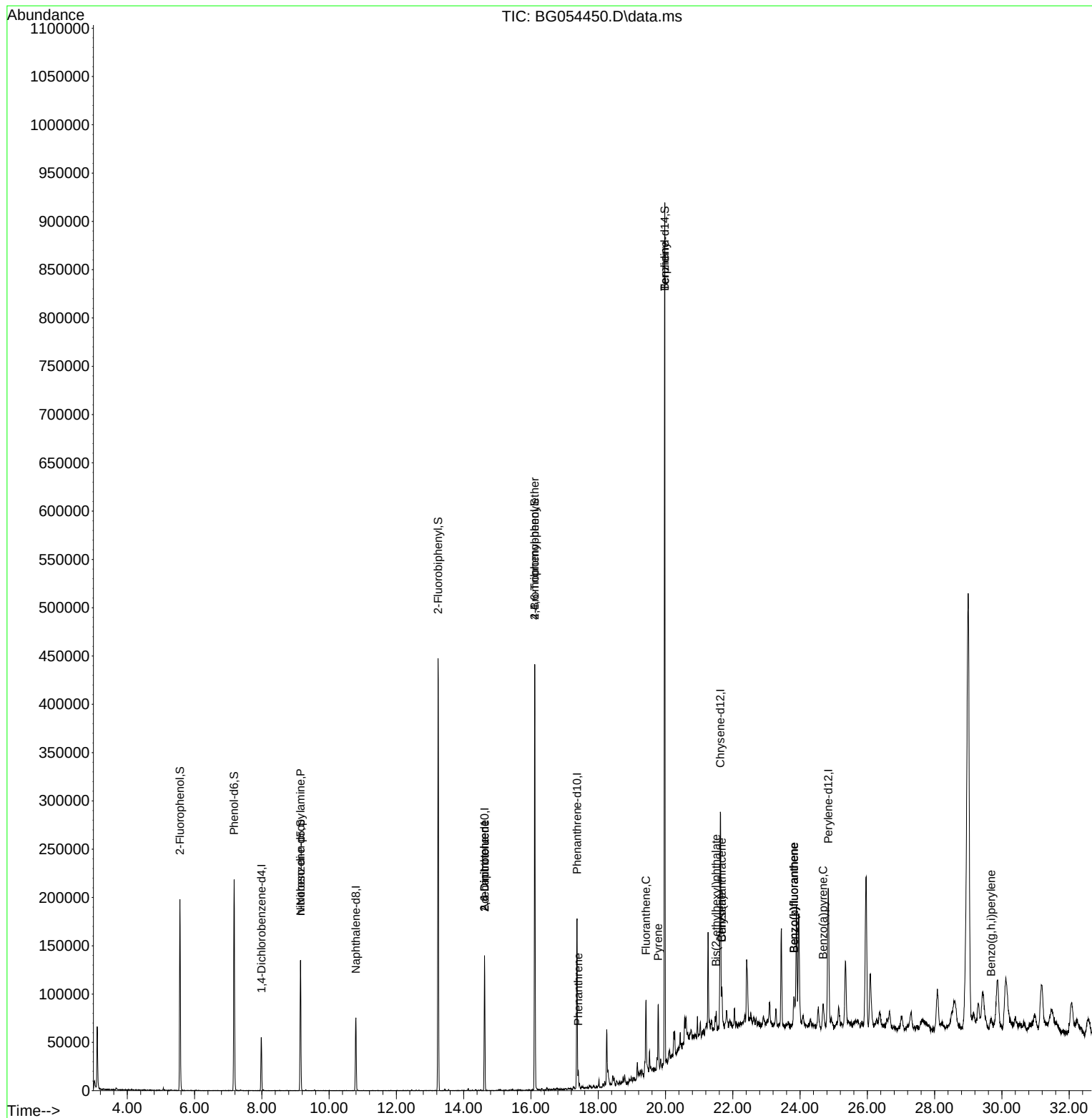
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	18049	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	69223	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	52795	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	129490	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	145548	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	155814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	90833	105.074	ng	0.00
7) Phenol-d6	7.177	99	124277	104.917	ng	0.00
23) Nitrobenzene-d5	9.151	82	84082	66.146	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	116924	105.480	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	259573	69.358	ng	0.00
79) Terphenyl-d14	19.980	244	526427	71.751	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.183	77	125	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.151	70	11570	14.627	ng	# 80
51) 2,6-Dinitrotoluene	14.622	165	7144	7.898	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	7144	5.509	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7161	3.938	ng	# 1
71) Phenanthrene	17.406	178	13714	2.127	ng	94
75) Fluoranthene	19.422	202	40254	4.579	ng	93
77) Benzidine	19.980	184	6801	2.580	ng	# 91
78) Pyrene	19.780	202	49381	5.913	ng	98
81) Benzo(a)anthracene	21.678	228	30001	3.247	ng	93
83) Chrysene	21.678	228	30001	3.437	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.508	149	7840	2.129	ng	# 95
88) Benzo(b)fluoranthene	23.823	252	38274	4.154	ng	97
89) Benzo(k)fluoranthene	23.823	252	38274	4.174	ng	98
90) Benzo(a)pyrene	24.686	252	26925	3.421	ng	98
92) Benzo(g,h,i)perylene	29.680	276	23127	2.404	ng	# 89

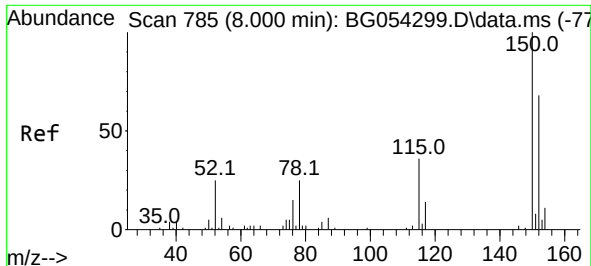
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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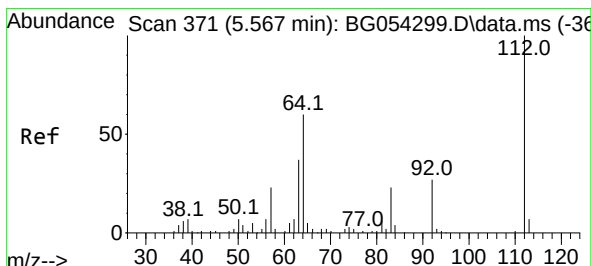
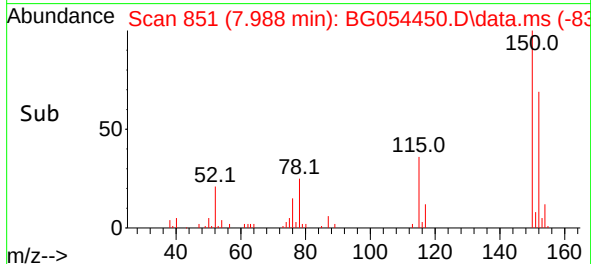
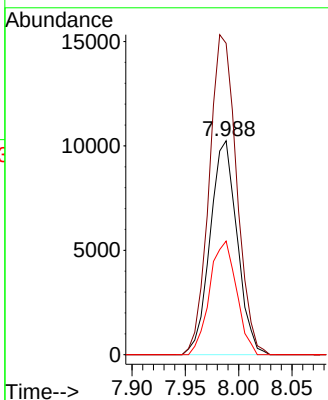
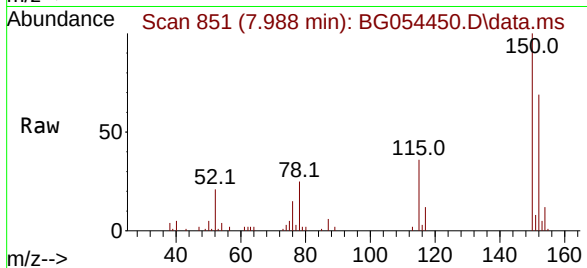




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

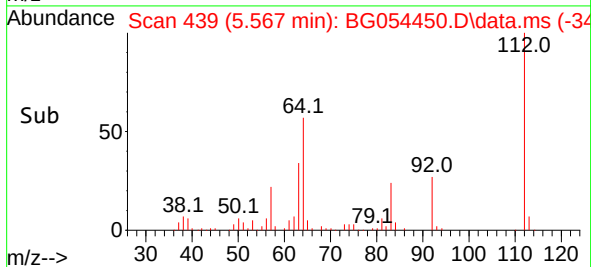
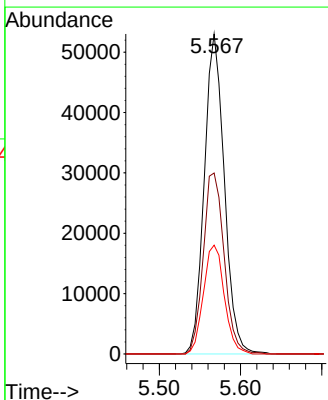
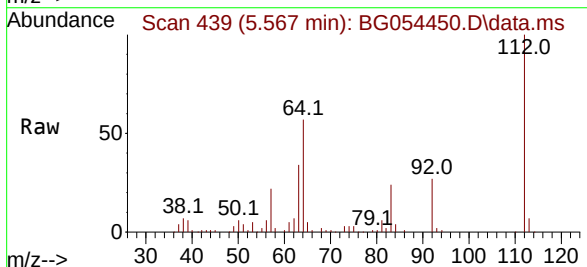
Instrument :
BNA_G
ClientSampleId :
RVE-41

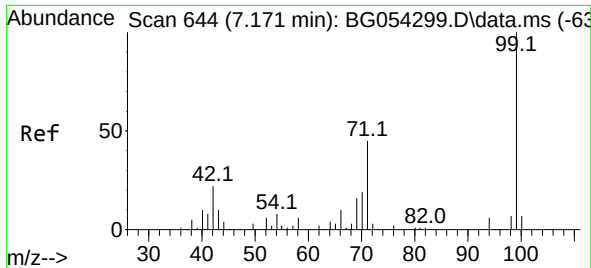
Tgt Ion:152 Resp: 18049
Ion Ratio Lower Upper
152 100
150 145.6 131.6 197.4
115 53.1 50.9 76.3



#5
2-Fluorophenol
Concen: 105.074 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:112 Resp: 90833
Ion Ratio Lower Upper
112 100
64 56.5 55.1 82.7
63 34.0 30.4 45.6

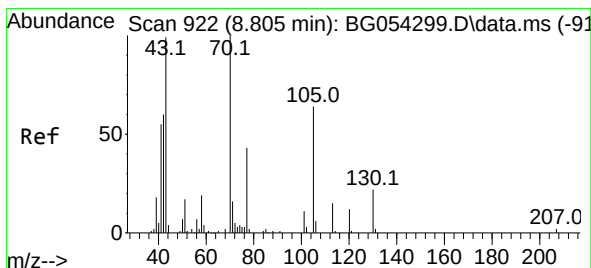
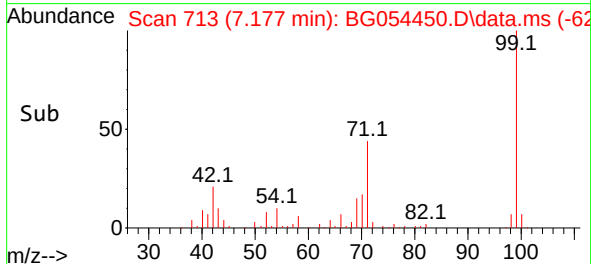
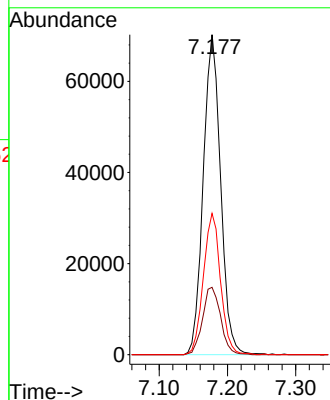
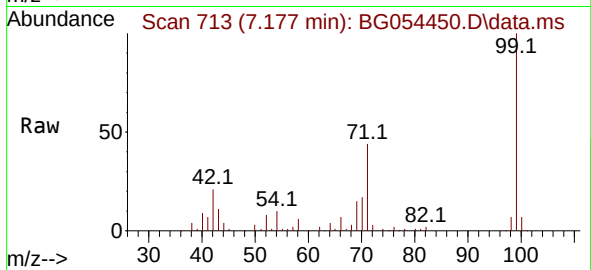




#7
Phenol-d6
Concen: 104.917 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

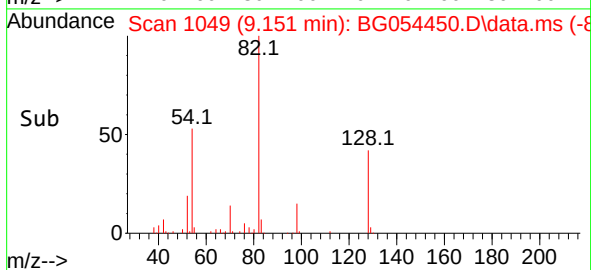
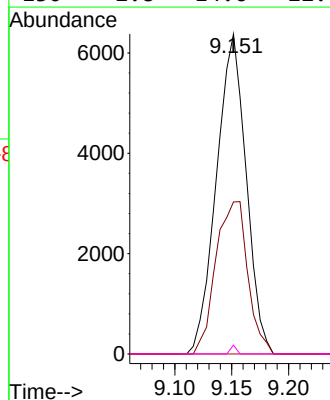
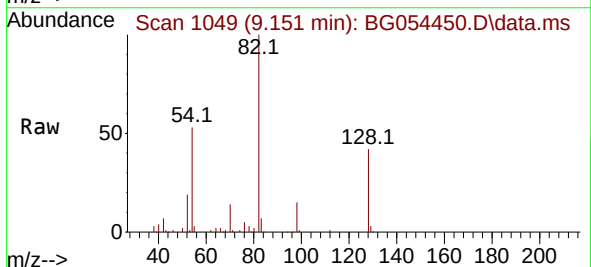
Instrument :
BNA_G
ClientSampleId :
RVE-41

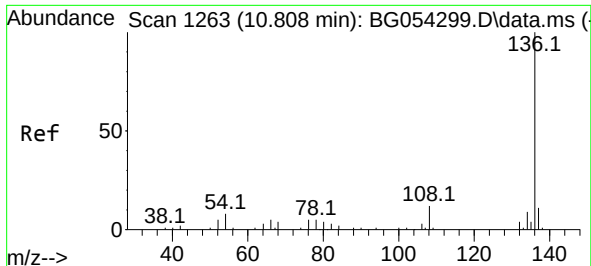
Tgt Ion: 99 Resp: 124277
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 44.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.627 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion: 70 Resp: 11570
Ion Ratio Lower Upper
70 100
42 47.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#

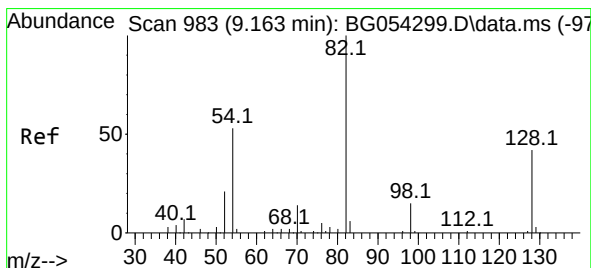
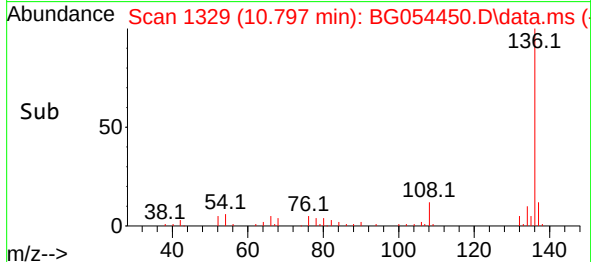
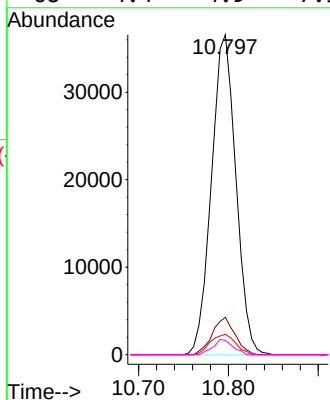
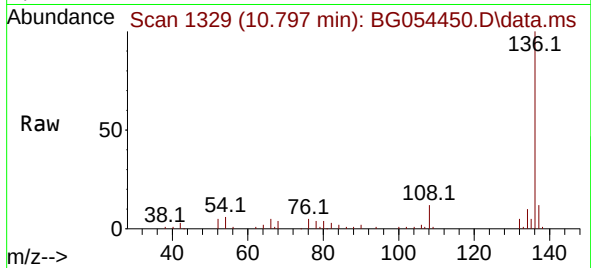




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

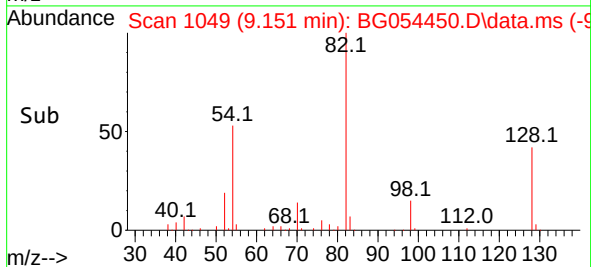
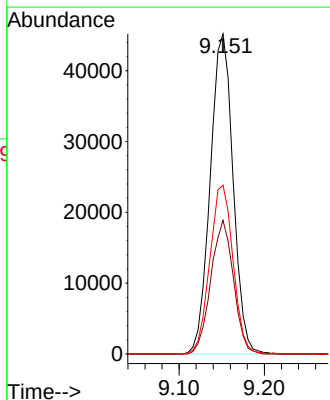
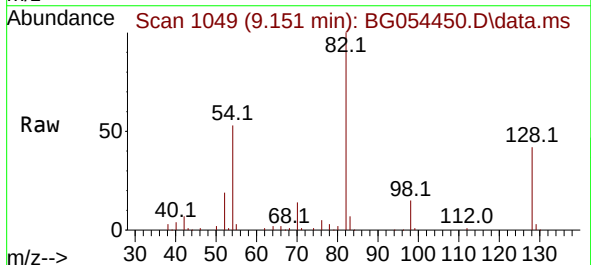
Instrument :
BNA_G
ClientSampleId :
RVE-41

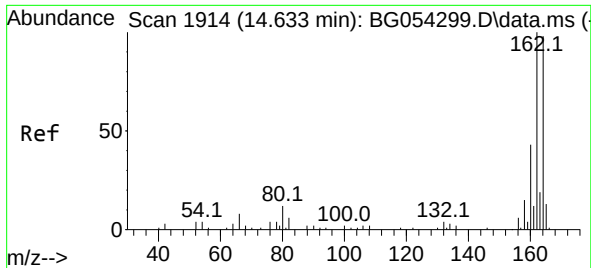
Tgt Ion:	136	Resp:	69223
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.5	12.7
54	6.4	7.4	11.2#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 66.146 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

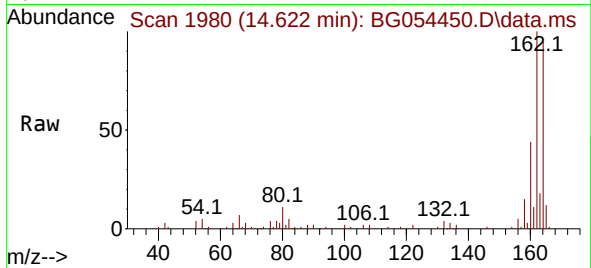
Tgt Ion:	82	Resp:	84082
Ion Ratio	Lower	Upper	
82	100		
128	41.7	27.9	41.9
54	52.8	41.2	61.8



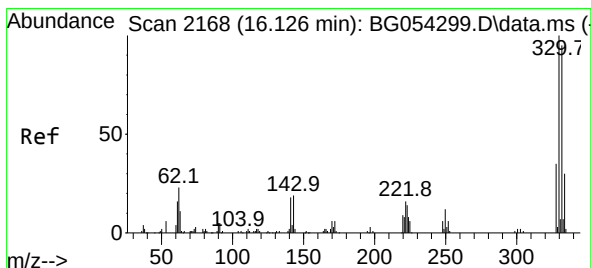
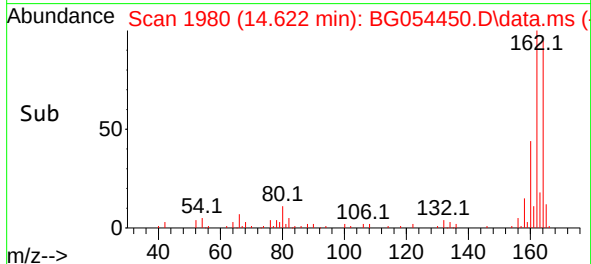
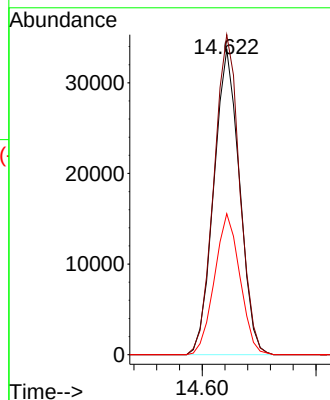


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Instrument :
BNA_G
ClientSampleId :
RVE-41

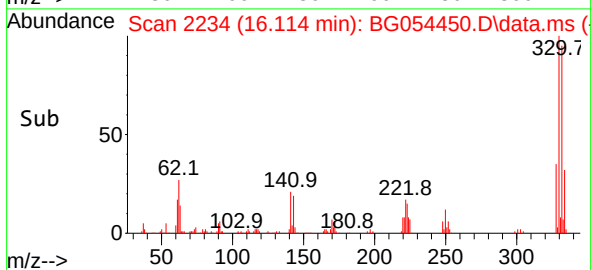
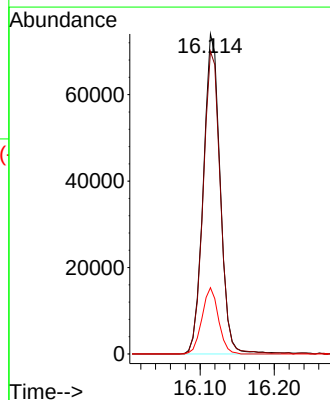
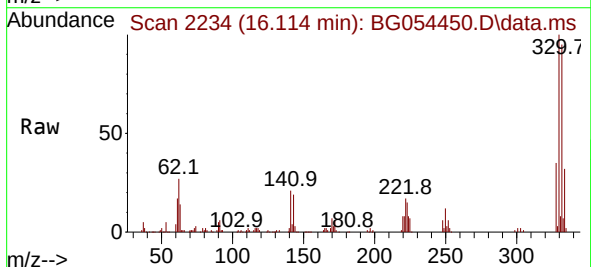


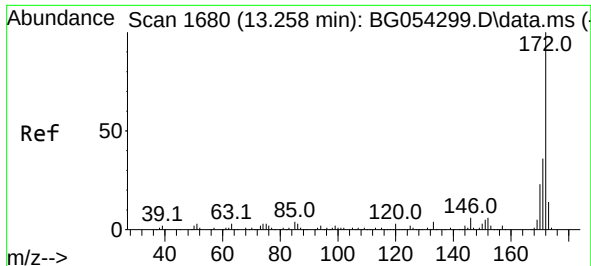
Tgt Ion:164 Resp: 52795
Ion Ratio Lower Upper
164 100
162 104.8 82.3 123.5
160 46.2 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 105.480 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:330 Resp: 116924
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.2 27.1 40.7#

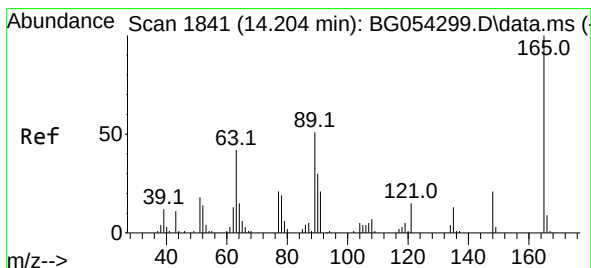
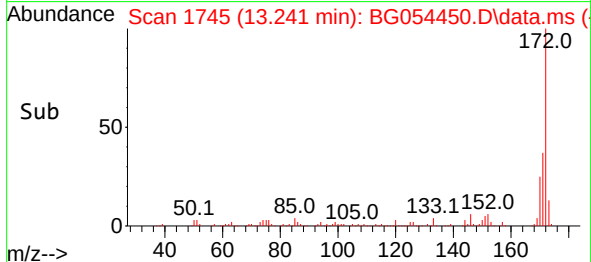
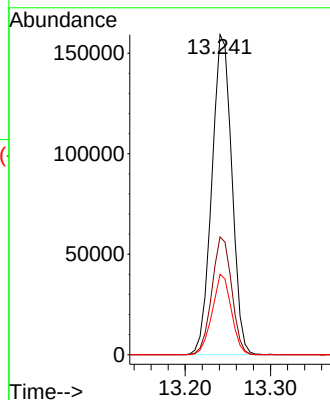
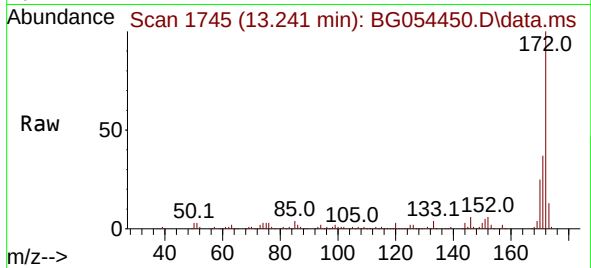




#45
2-Fluorobiphenyl
Concen: 69.358 ng
RT: 13.241 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

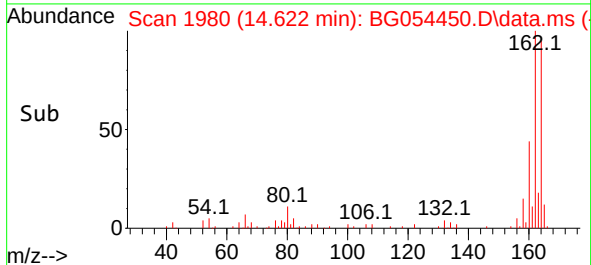
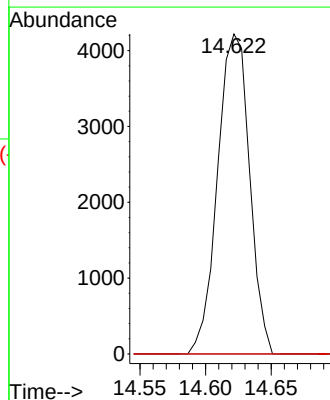
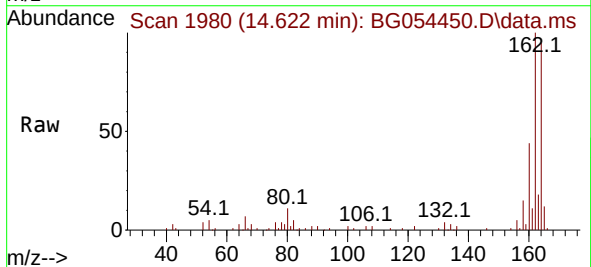
Instrument :
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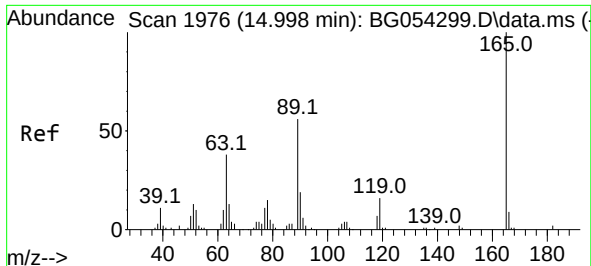
Tgt Ion:172 Resp: 259573
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 25.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.898 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:165 Resp: 7144
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

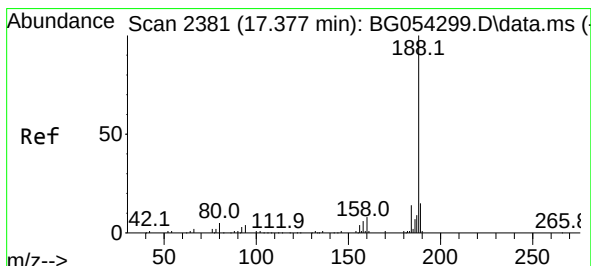
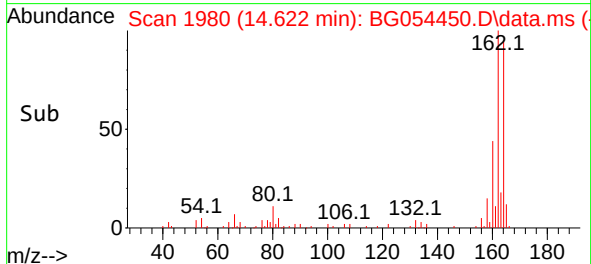
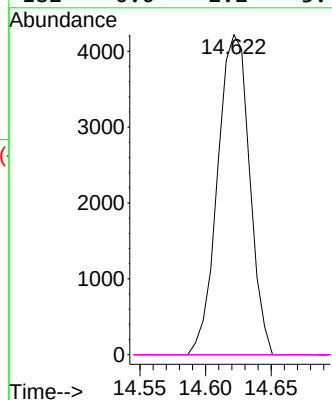
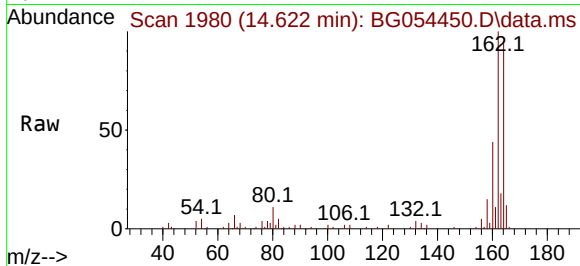




#57
2,4-Dinitrotoluene
Concen: 5.509 ng
RT: 14.622 min Scan# 14
Delta R.T. -0.370 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

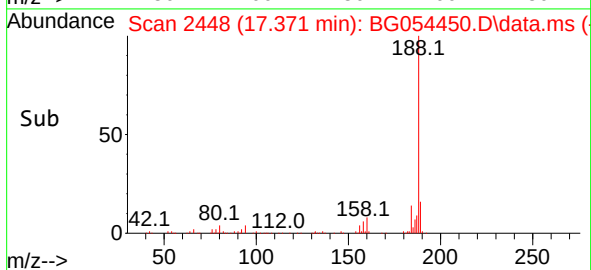
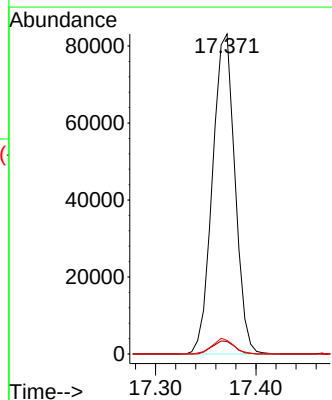
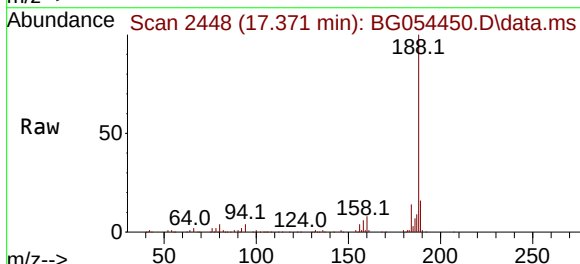
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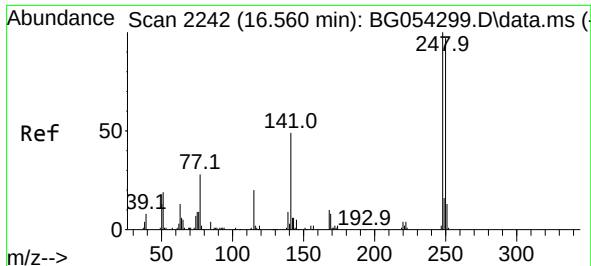
Tgt Ion:165	Resp:	7144
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:188	Resp:	129490
Ion Ratio	Lower	Upper
188	100	
94	3.9	5.4
80	4.2	6.8

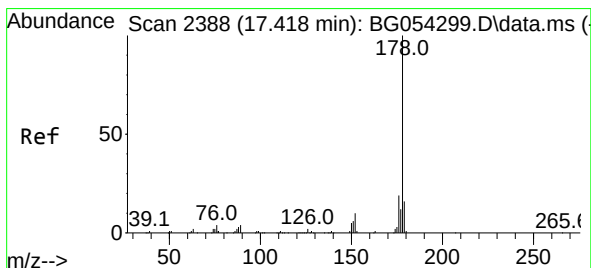
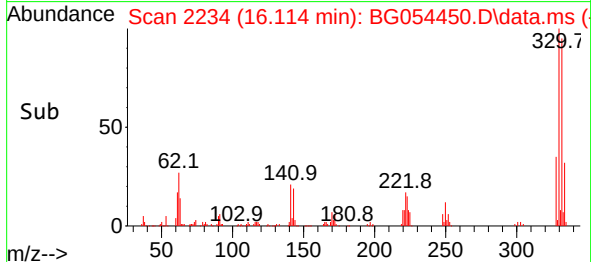
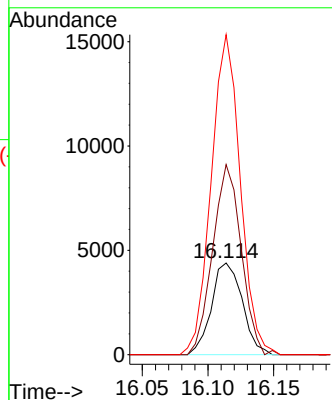
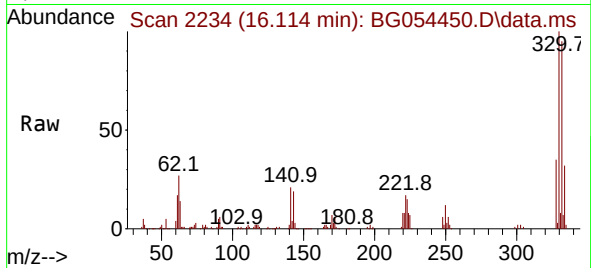




#67
4-Bromophenyl-phenylether
Concen: 3.938 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

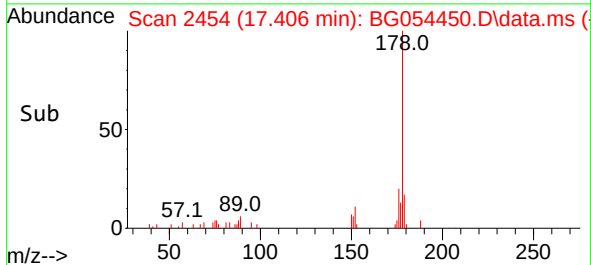
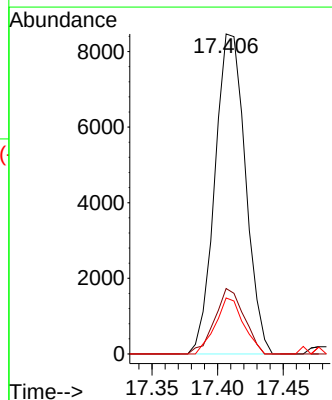
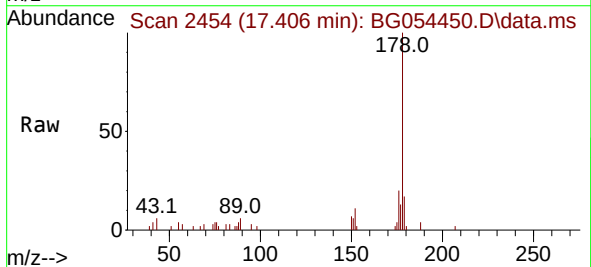
Instrument :
BNA_G
ClientSampleId :
RVE-41

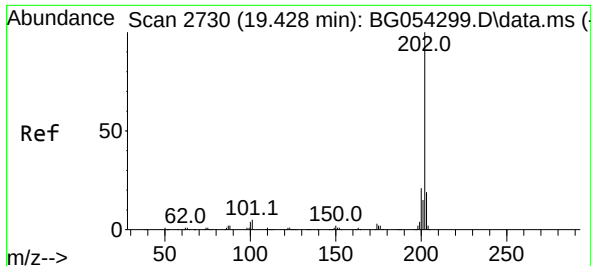
Tgt Ion:248 Resp: 7161
Ion Ratio Lower Upper
248 100
250 207.2 75.2 112.8#
141 348.9 50.0 75.0#



#71
Phenanthrene
Concen: 2.127 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:178 Resp: 13714
Ion Ratio Lower Upper
178 100
176 20.5 14.1 21.1
179 17.5 12.1 18.1

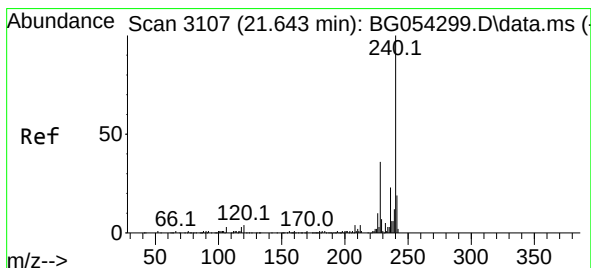
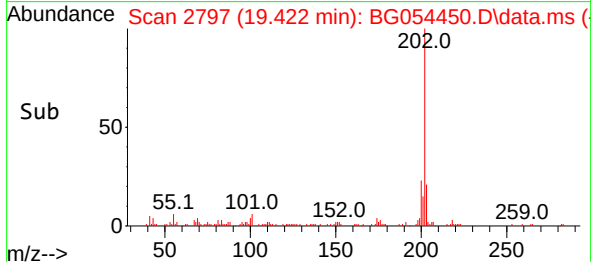
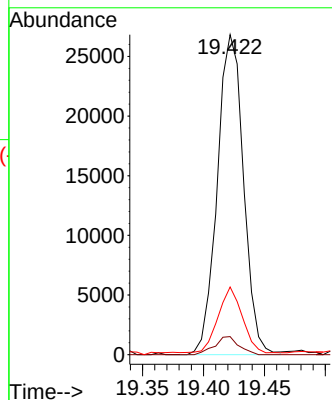
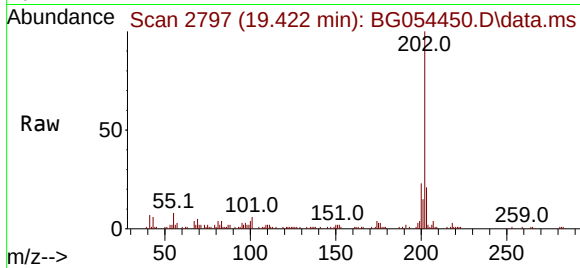




#75
Fluoranthene
Concen: 4.579 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

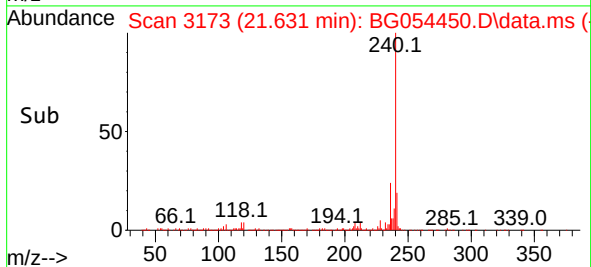
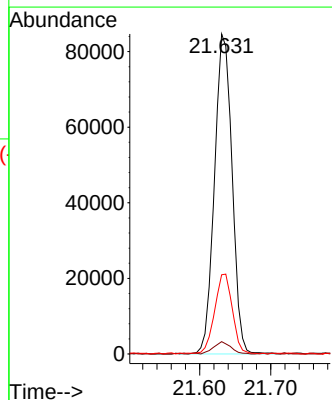
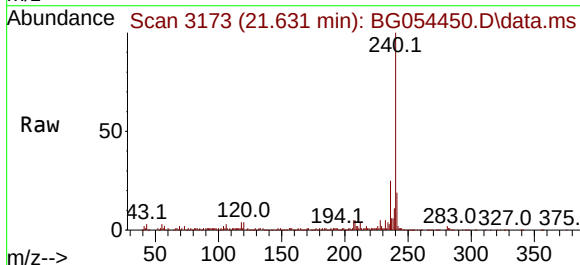
Instrument :
BNA_G
ClientSampleId :
RVE-41

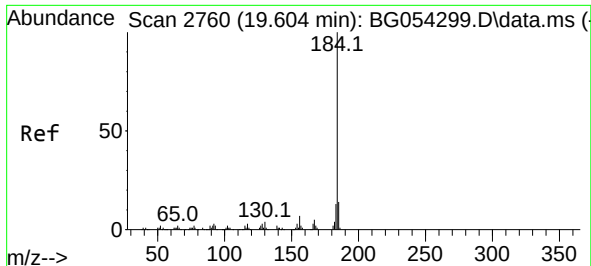
Tgt Ion:202 Resp: 40254
Ion Ratio Lower Upper
202 100
101 5.7 0.0 26.9
203 21.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:240 Resp: 145548
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 24.8 20.2 30.4

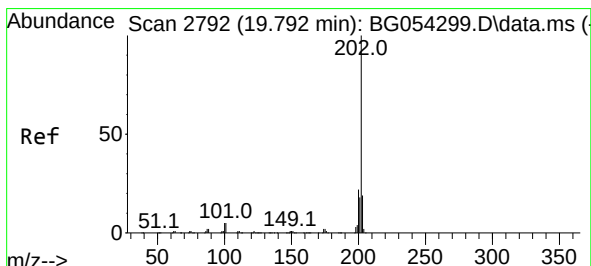
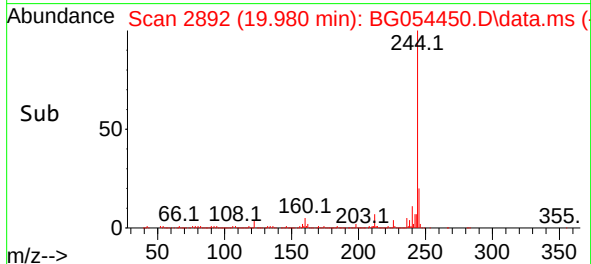
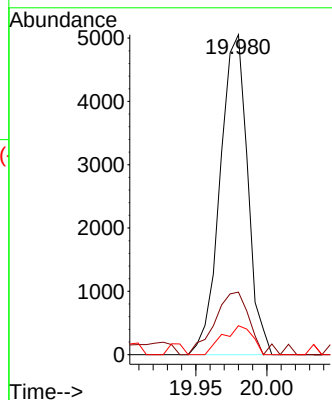
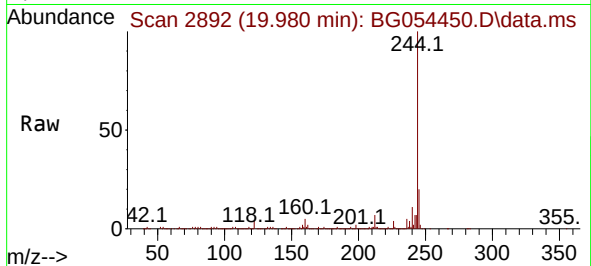




#77
Benzidine
Concen: 2.580 ng
RT: 19.980 min Scan# 21
Delta R.T. 0.382 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

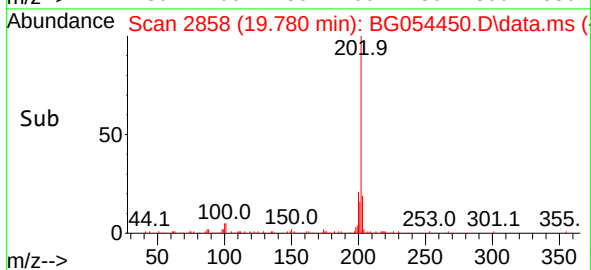
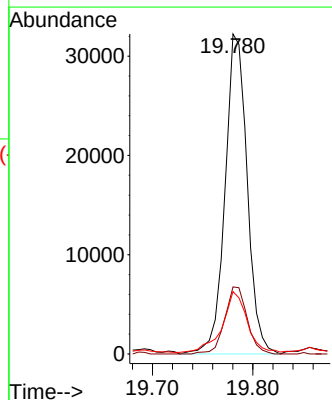
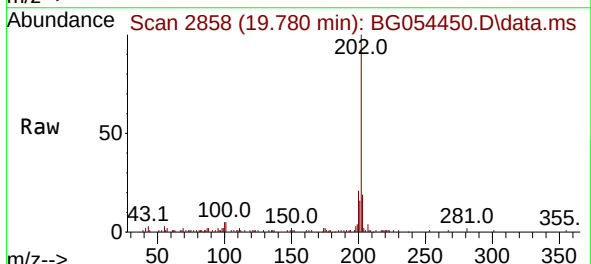
Instrument :
BNA_G
ClientSampleId :
RVE-41

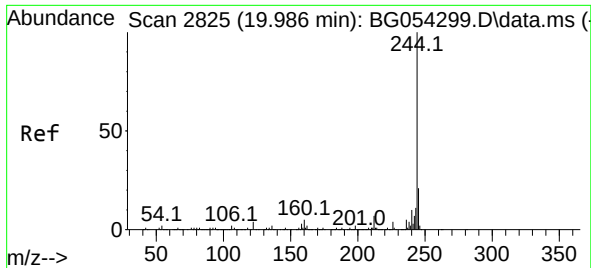
Tgt Ion:184 Resp: 6801
Ion Ratio Lower Upper
184 100
185 19.5 11.8 17.6#
183 9.1 8.9 13.3



#78
Pyrene
Concen: 5.913 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:202 Resp: 49381
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 19.5 14.6 21.8

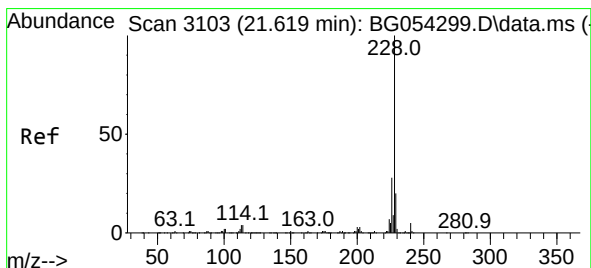
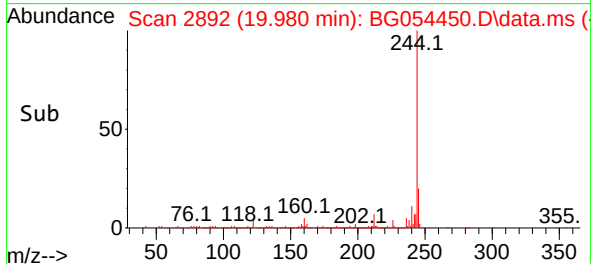
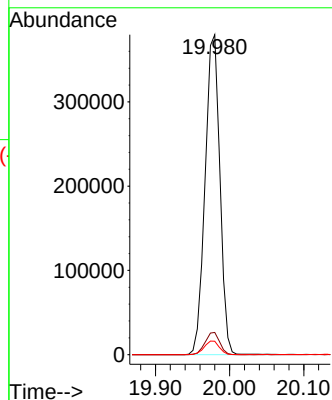
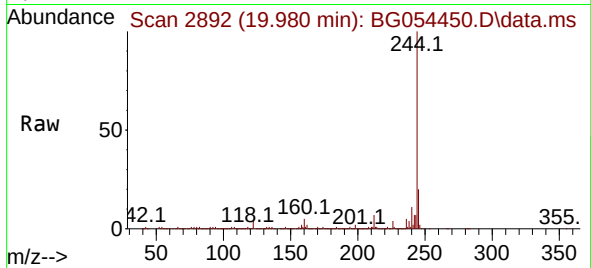




#79
 Terphenyl-d14
 Concen: 71.751 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054450.D
 Acq: 29 Jul 2022 15:29

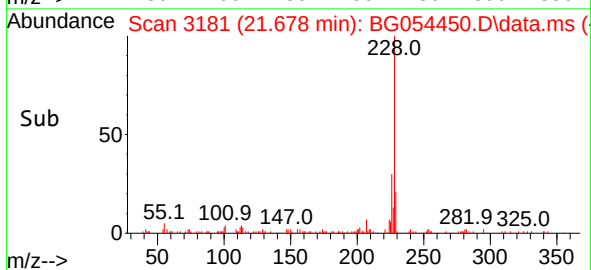
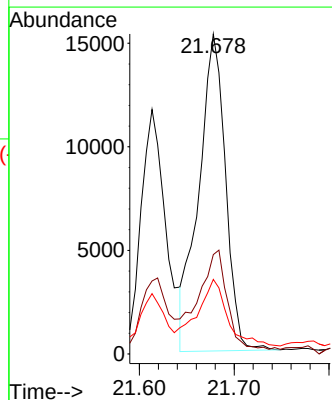
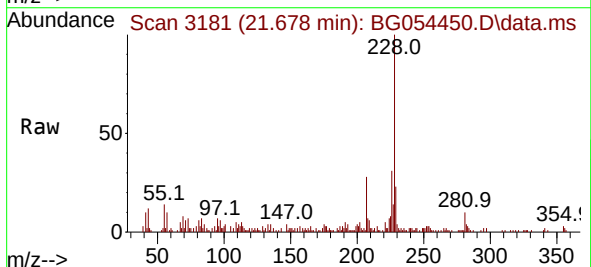
Instrument :
 BNA_G
 ClientSampleId :
 RVE-41

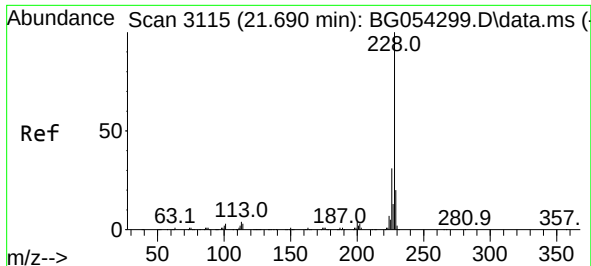
Tgt Ion:244 Resp: 526427
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.247 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. 0.064 min
 Lab File: BG054450.D
 Acq: 29 Jul 2022 15:29

Tgt Ion:228 Resp: 30001
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.6 32.4
 229 23.3 16.2 24.2

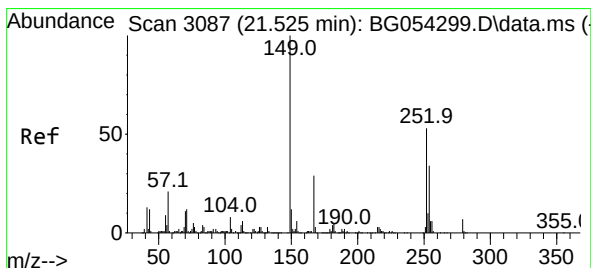
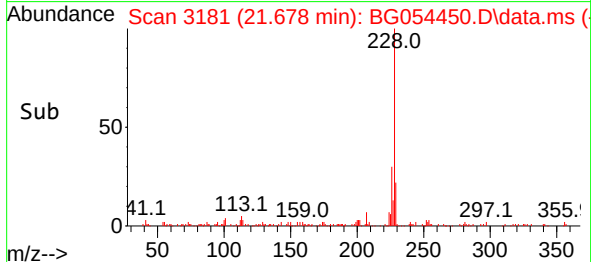
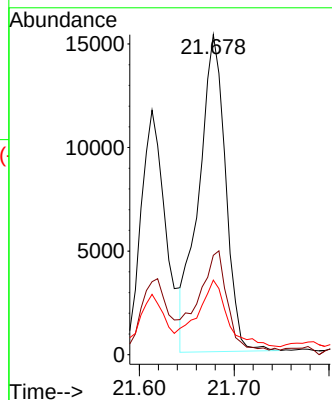
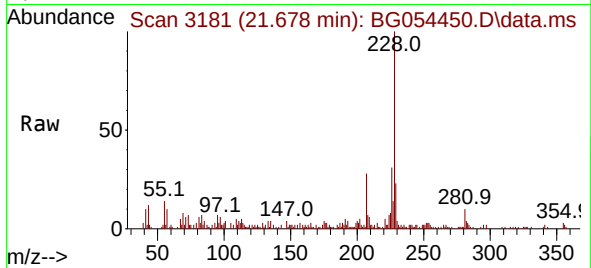




#83
Chrysene
Concen: 3.437 ng
RT: 21.678 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

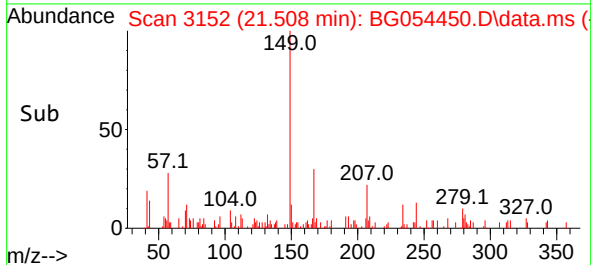
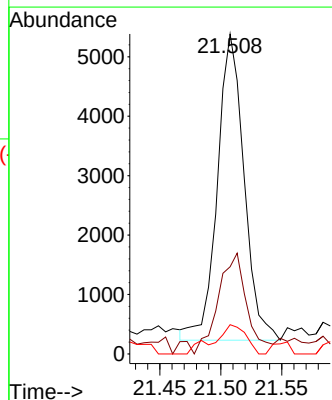
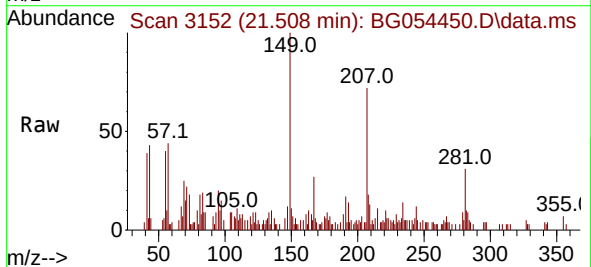
Instrument :
BNA_G
ClientSampleId :
RVE-41

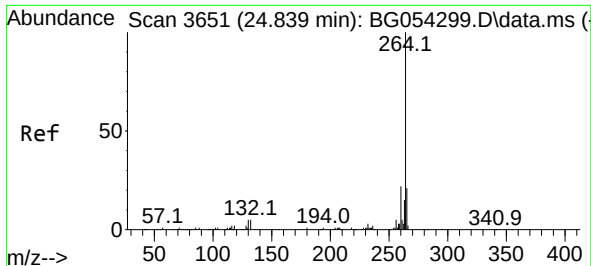
Tgt Ion:228 Resp: 30001
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.2
229 23.3 15.5 23.3#



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.129 ng
RT: 21.508 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

Tgt Ion:149 Resp: 7840
Ion Ratio Lower Upper
149 100
167 27.2 20.2 30.4
279 9.1 3.6 5.4#

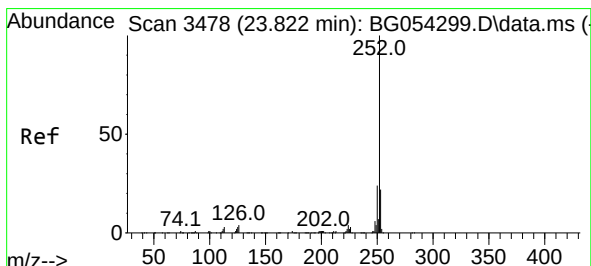
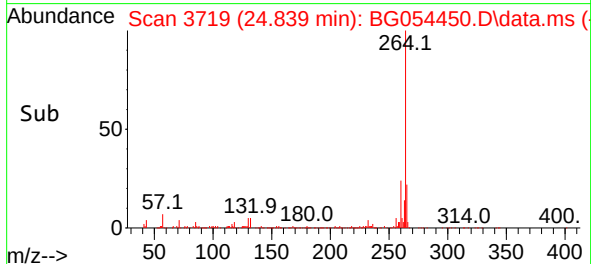
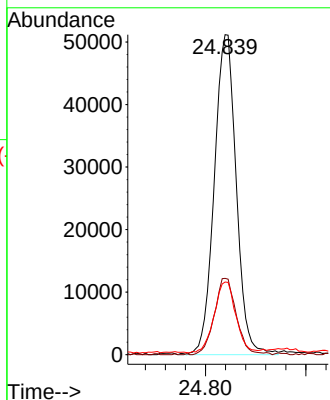
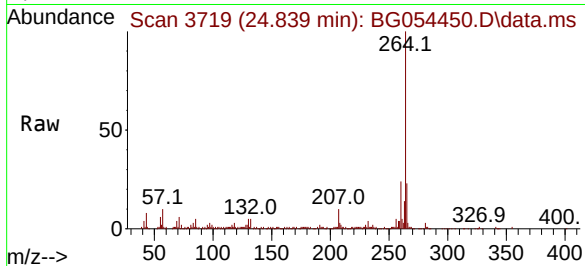




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG054450.D
 Acq: 29 Jul 2022 15:29

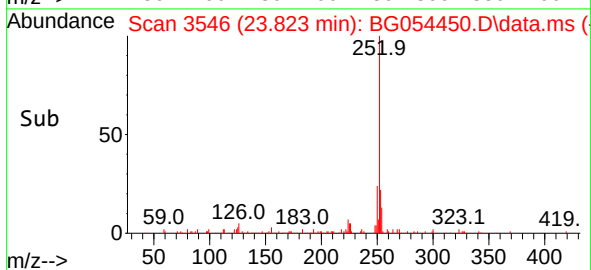
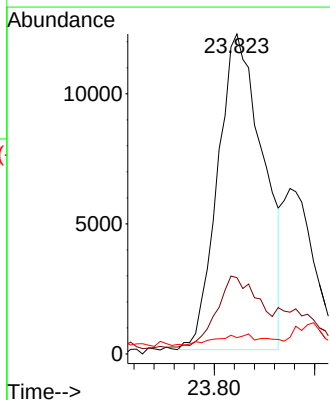
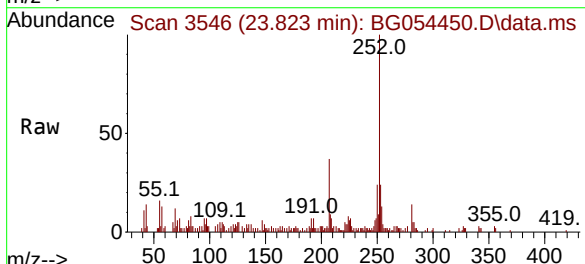
Instrument :
 BNA_G
 ClientSampleId :
 RVE-41

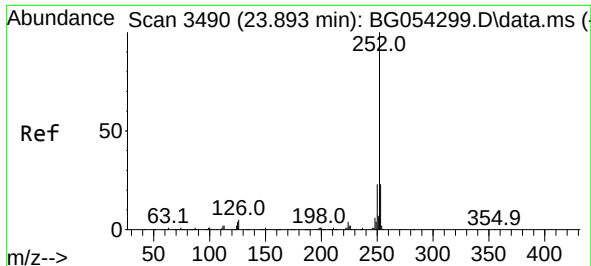
Tgt Ion:264 Resp: 155814
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 22.7 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 4.154 ng
 RT: 23.823 min Scan# 3546
 Delta R.T. -0.000 min
 Lab File: BG054450.D
 Acq: 29 Jul 2022 15:29

Tgt Ion:252 Resp: 38274
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.0 27.0
 125 5.1 4.6 6.8

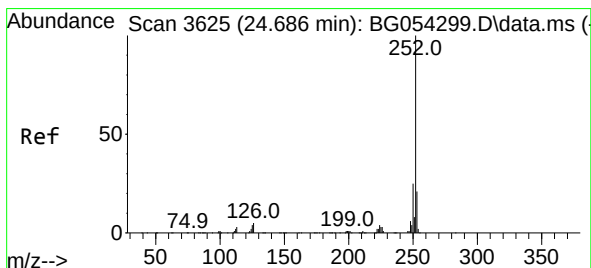
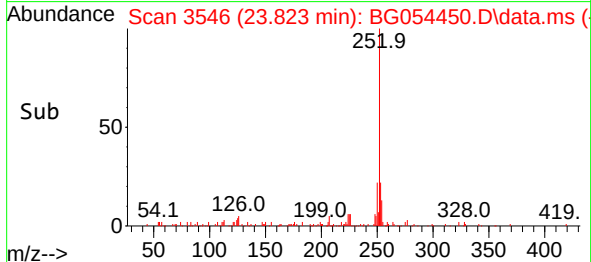
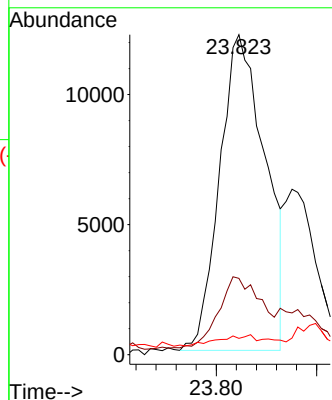
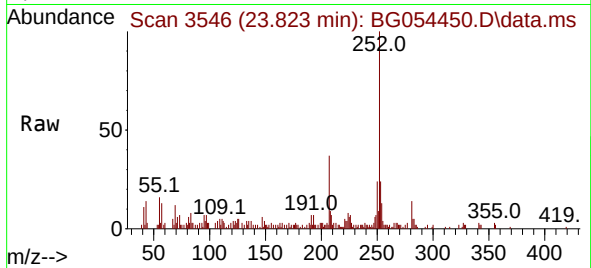




#89
Benzo(k)fluoranthene
Concen: 4.174 ng
RT: 23.823 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

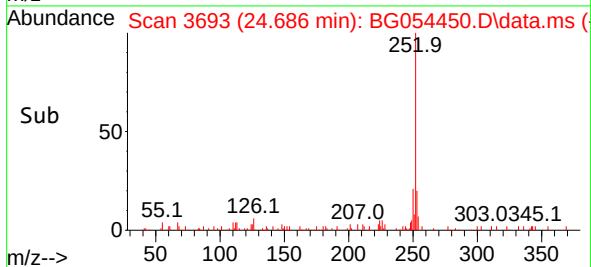
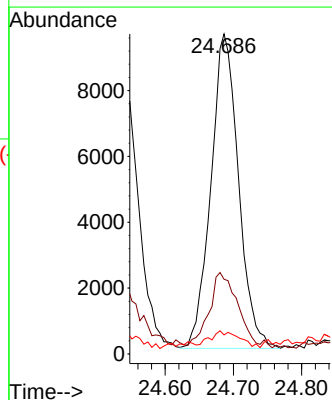
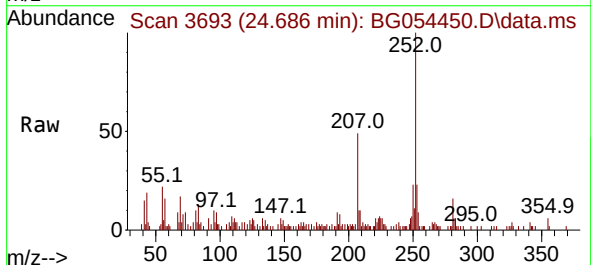
Instrument :
BNA_G
ClientSampleId :
RVE-41

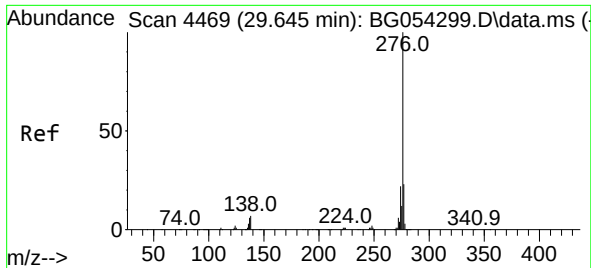
Tgt Ion:252 Resp: 38274
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 5.1 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.421 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.000 min
Lab File: BG054450.D
Acq: 29 Jul 2022 15:29

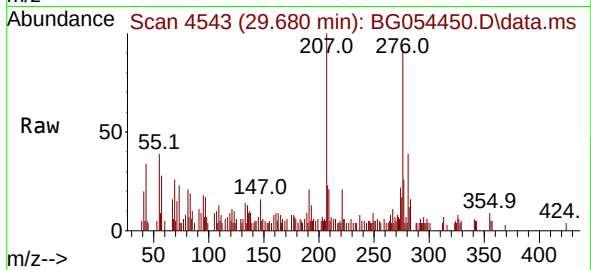
Tgt Ion:252 Resp: 26925
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 5.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.404 ng
 RT: 29.680 min Scan# 41
 Delta R.T. 0.017 min
 Lab File: BG054450.D
 Acq: 29 Jul 2022 15:29

Instrument :
 BNA_G
 ClientSampleId :
 RVE-41



Tgt Ion:	276	Resp:	23127
Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.3	25.9#
138	10.2	9.6	14.4

