

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054461.D
 Acq On : 1 Aug 2022 12:33
 Operator : CG/JU
 Sample : N3896-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-69

Quant Time: Aug 02 05:45:14 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)

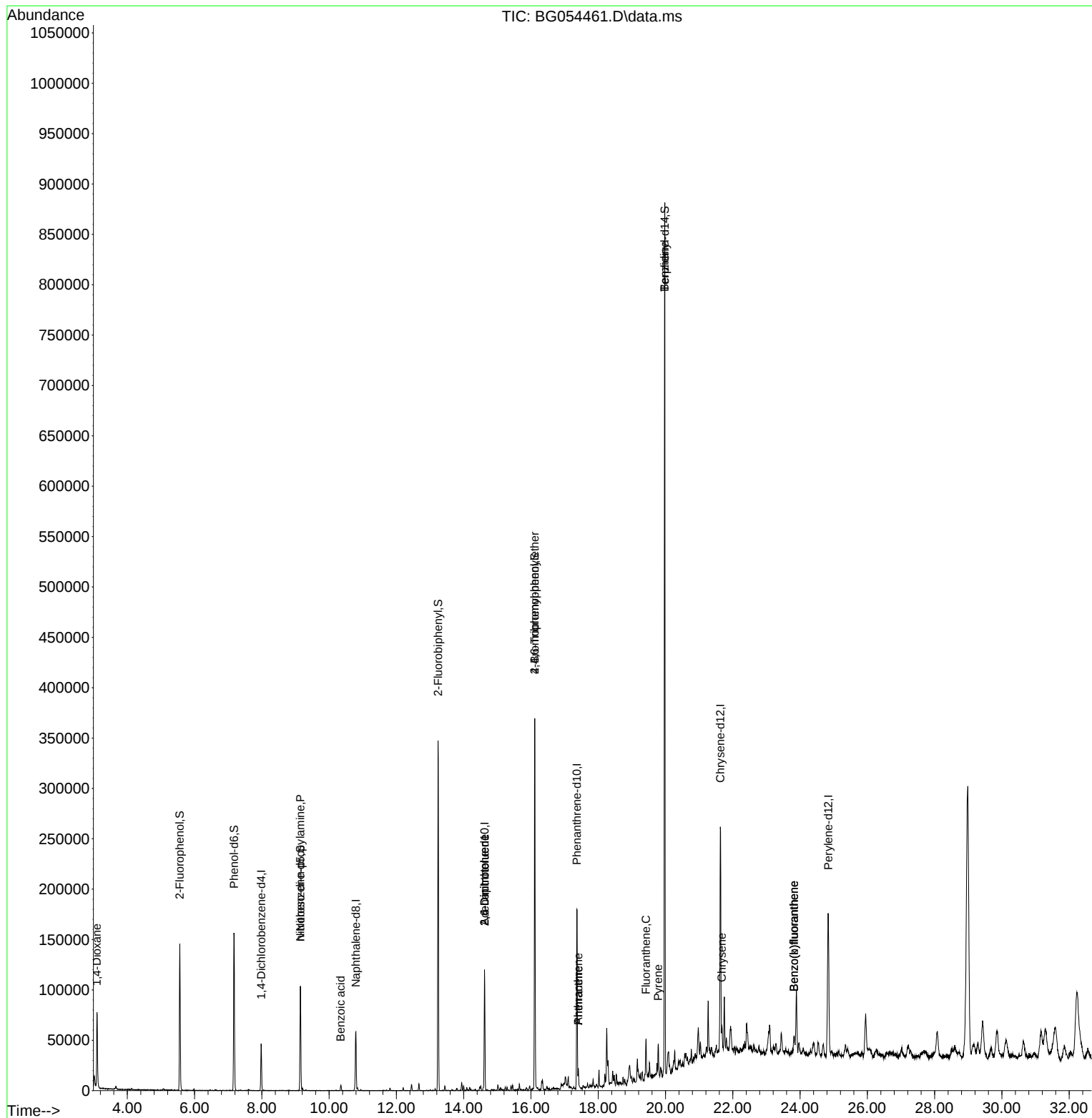
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	14684	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	55762	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	46671	20.000	ng	0.00
64) Phenanthrene-d10	17.364	188	129478	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	150180	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	160337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	66422	94.444	ng	0.00
7) Phenol-d6	7.170	99	91192	94.628	ng	0.00
23) Nitrobenzene-d5	9.145	82	62772	61.303	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	95888	97.853	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	200805	60.696	ng	0.00
79) Terphenyl-d14	19.979	244	506657	66.927	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.093	88	835	2.984	ng	# 1
9) Benzaldehyde	7.129	77	55	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.145	70	8890	13.814	ng	# 76
32) Benzoic acid	10.343	122	234	8.380	ng	# 1
51) 2,6-Dinitrotoluene	14.621	165	6992	8.744	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	6992	6.100	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	5744	3.159	ng	# 1
71) Phenanthrene	17.411	178	15633	2.424	ng	98
72) Anthracene	17.411	178	15633	2.471	ng	95
75) Fluoranthene	19.421	202	22039	2.507	ng	97
77) Benzidine	19.973	184	6700	2.463	ng	# 84
78) Pyrene	19.779	202	23621	2.741	ng	96
83) Chrysene	21.677	228	18667	2.073	ng	# 94
88) Benzo(b)fluoranthene	23.822	252	30010	3.165	ng	98
89) Benzo(k)fluoranthene	23.822	252	30010	3.180	ng	99

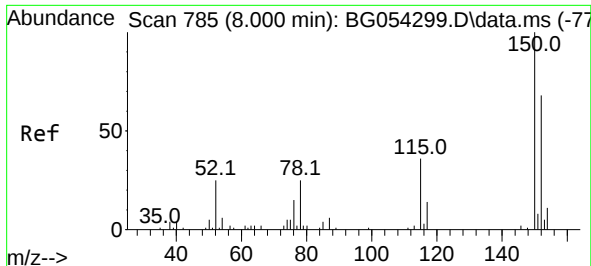
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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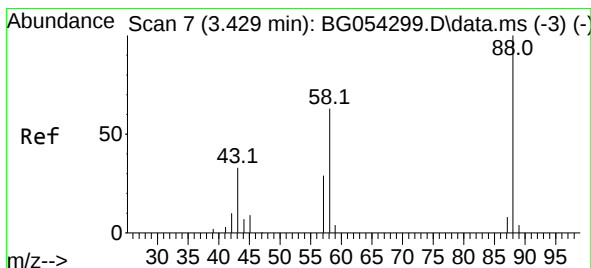
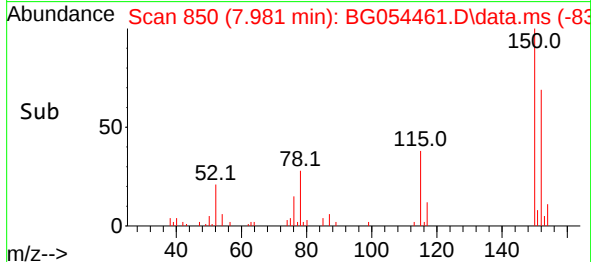
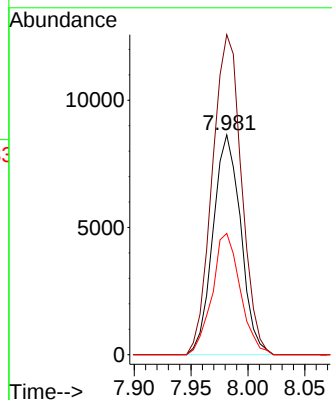
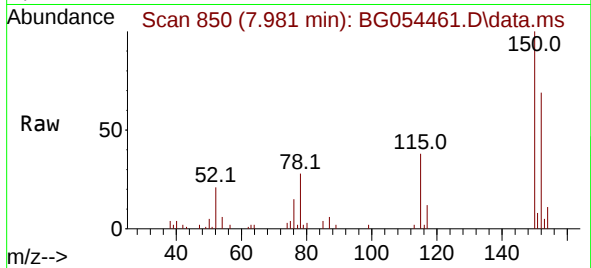




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.981 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

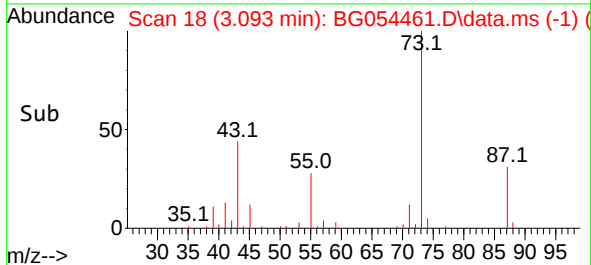
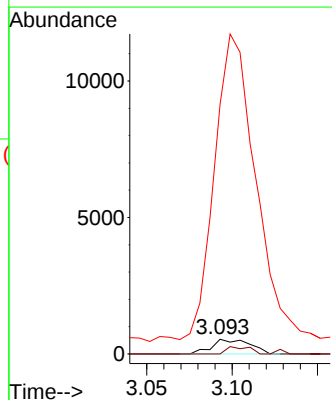
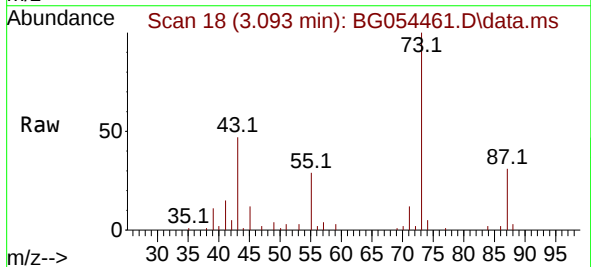
Instrument :
 BNA_G
 ClientSampleId :
 RVE-69

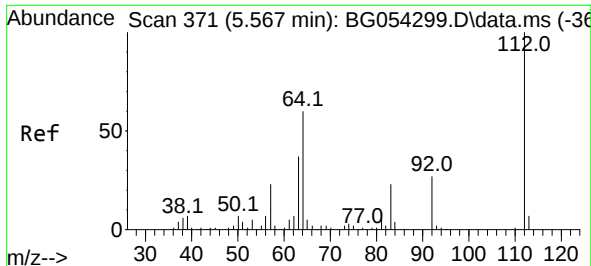
Tgt Ion:152 Resp: 14684
 Ion Ratio Lower Upper
 152 100
 150 145.5 131.6 197.4
 115 55.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.984 ng
 RT: 3.093 min Scan# 18
 Delta R.T. -0.324 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

Tgt Ion: 88 Resp: 835
 Ion Ratio Lower Upper
 88 100
 58 29.9 59.2 88.8#
 43 2598.7 24.3 36.5#

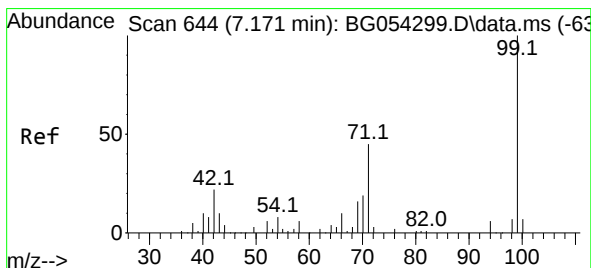
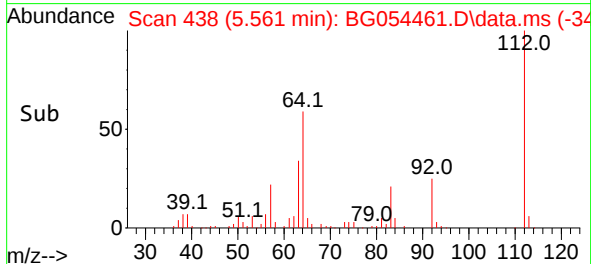
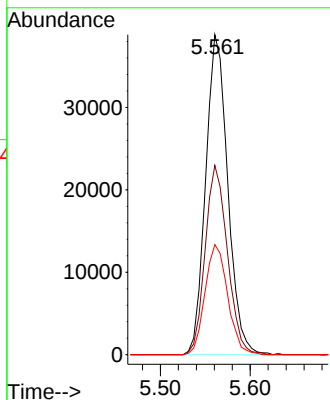
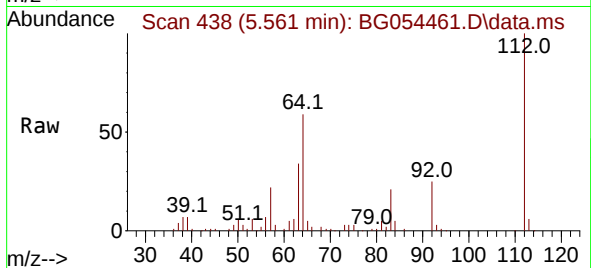




#5
2-Fluorophenol
Concen: 94.444 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

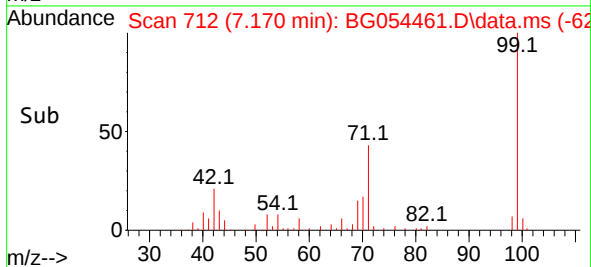
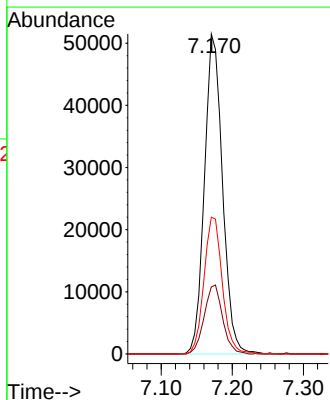
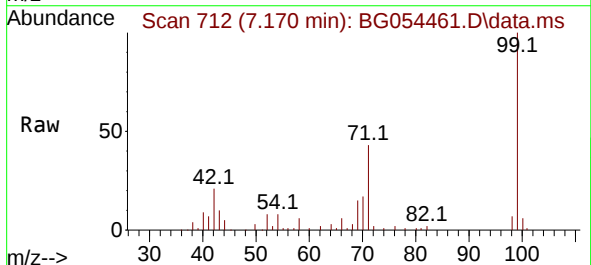
Instrument :
BNA_G
ClientSampleId :
RVE-69

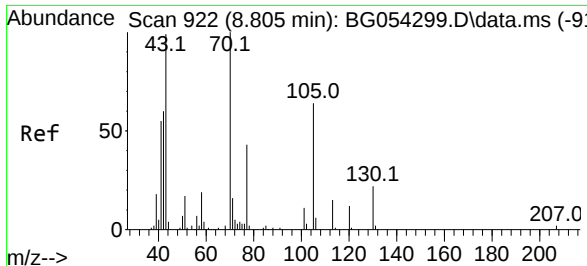
Tgt Ion:112 Resp: 66422
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 34.4 30.4 45.6



#7
Phenol-d6
Concen: 94.628 ng
RT: 7.170 min Scan# 712
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion: 99 Resp: 91192
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 42.7 33.8 50.8

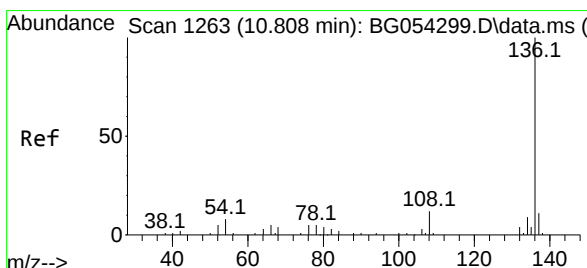
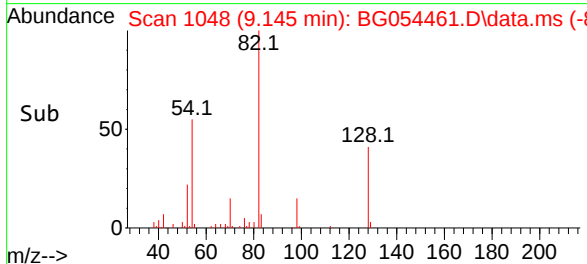
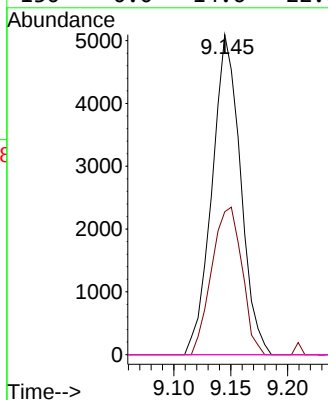
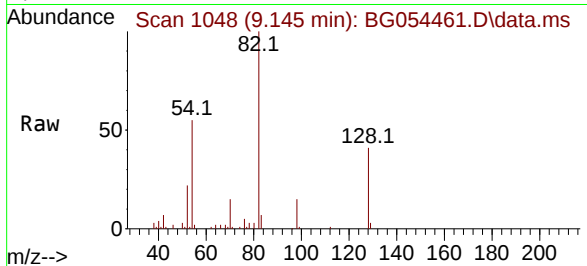




#19
n-Nitroso-di-n-propylamine
Concen: 13.814 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.351 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

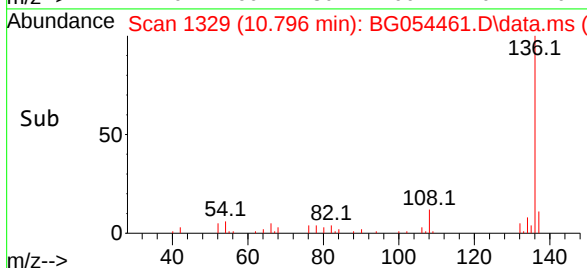
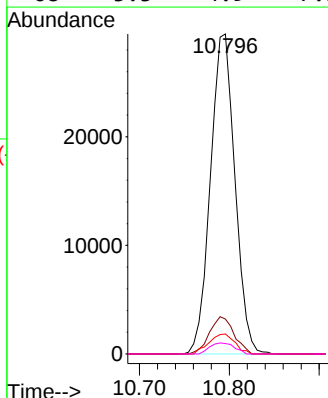
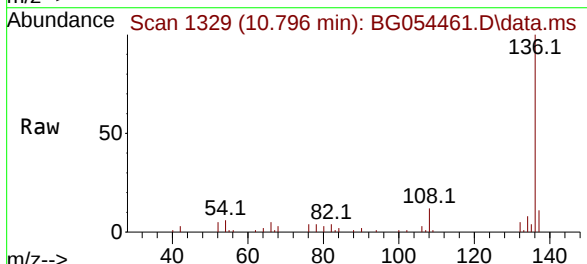
Instrument :
BNA_G
ClientSampleId :
RVE-69

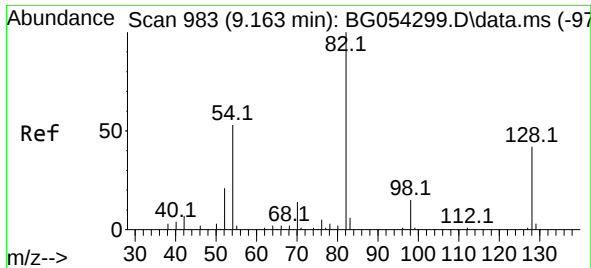
Tgt Ion: 70	Resp:	8890
Ion Ratio	Lower	Upper
70	100	
42	44.7	47.3 70.9#
101	0.0	7.0 10.4#
130	0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion: 136	Resp:	55762
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	6.2	7.4 11.2#
68	3.3	4.9 7.3#

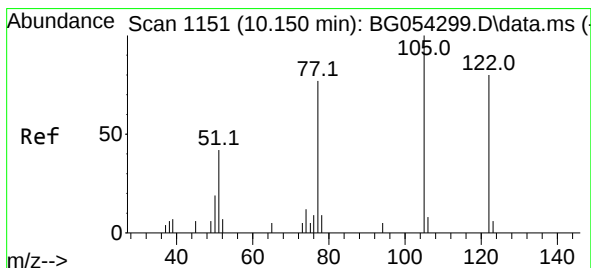
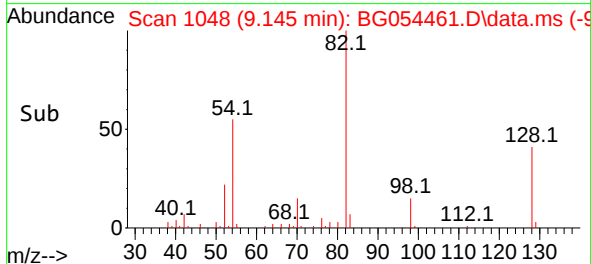
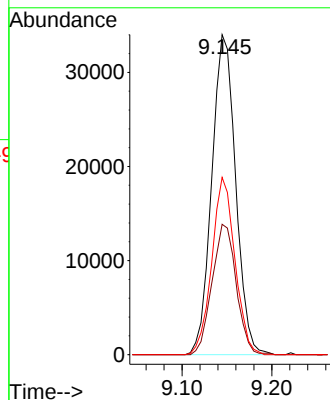
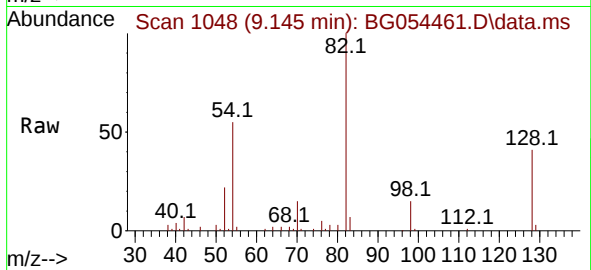




#23
Nitrobenzene-d5
Concen: 61.303 ng
RT: 9.145 min Scan# 1048
Delta R.T. -0.007 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

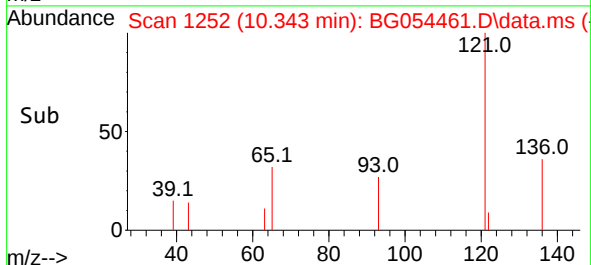
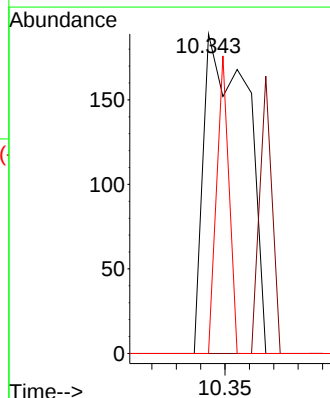
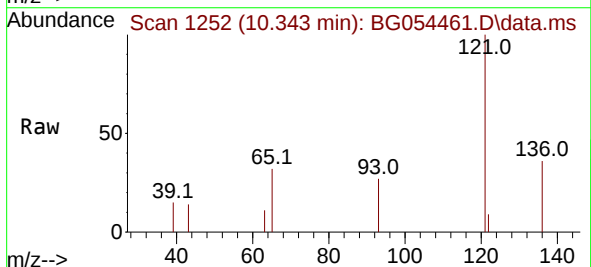
Instrument :
BNA_G
ClientSampleId :
RVE-69

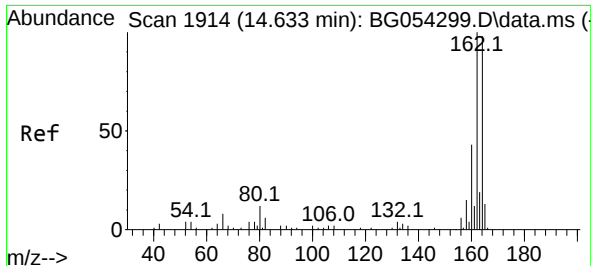
Tgt Ion: 82 Resp: 62772
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 55.4 41.2 61.8



#32
Benzoic acid
Concen: 8.380 ng
RT: 10.343 min Scan# 1252
Delta R.T. 0.204 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion: 122 Resp: 234
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 0.0 109.4 149.4#

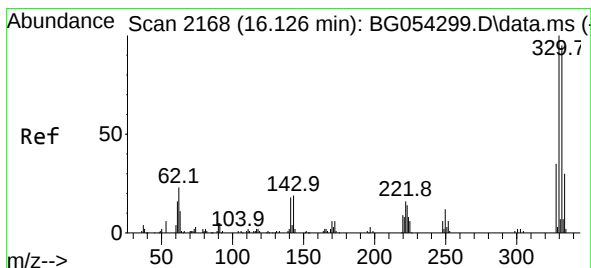
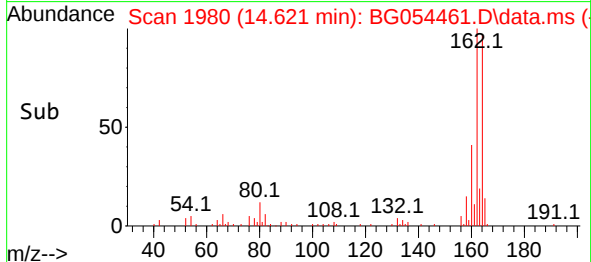
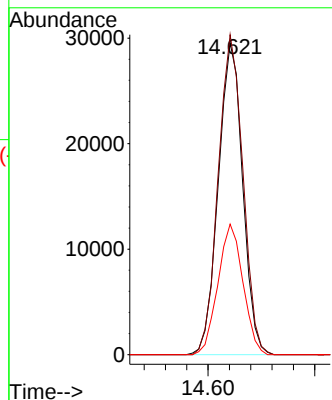
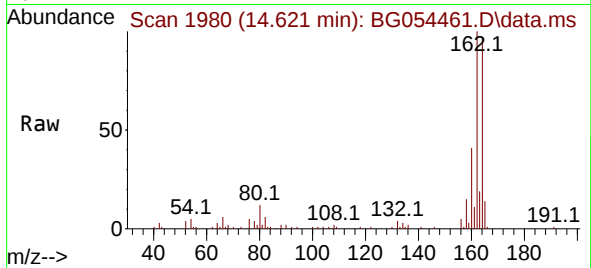




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

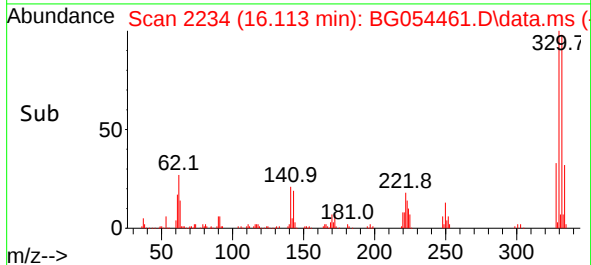
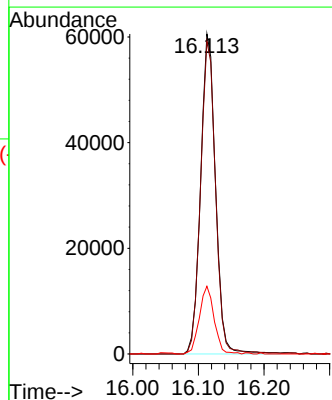
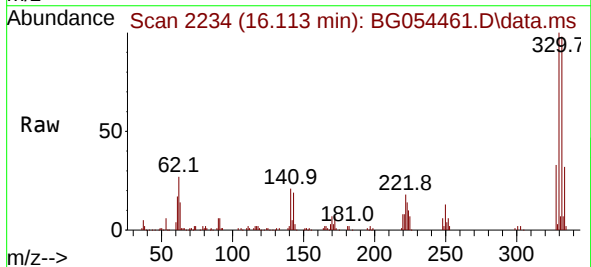
Instrument :
BNA_G
ClientSampleId :
RVE-69

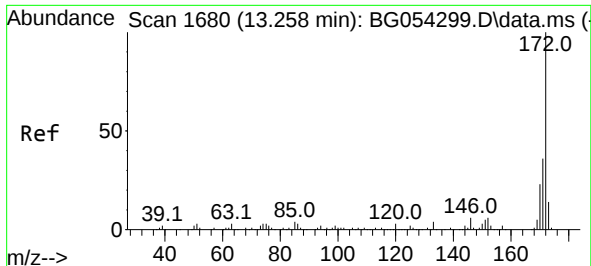
Tgt Ion:164 Resp: 46671
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 41.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 97.853 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion:330 Resp: 95888
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 20.9 27.1 40.7#

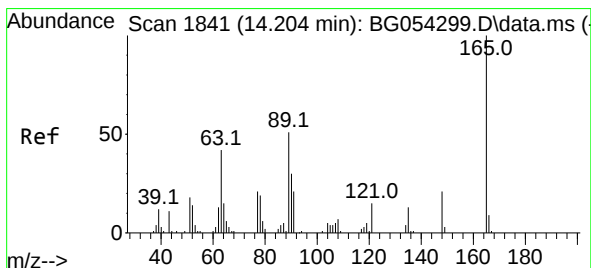
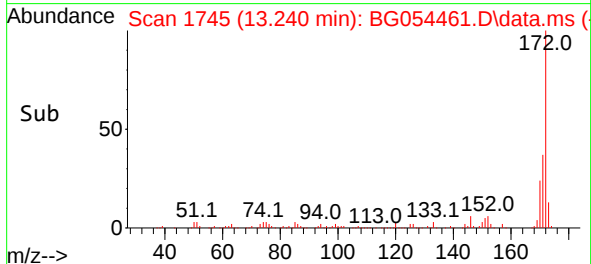
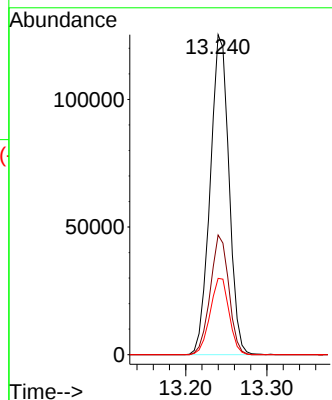
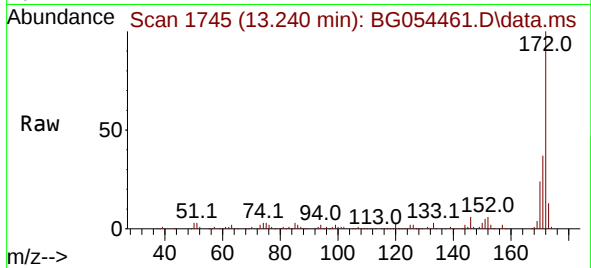




#45
2-Fluorobiphenyl
Concen: 60.696 ng
RT: 13.240 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

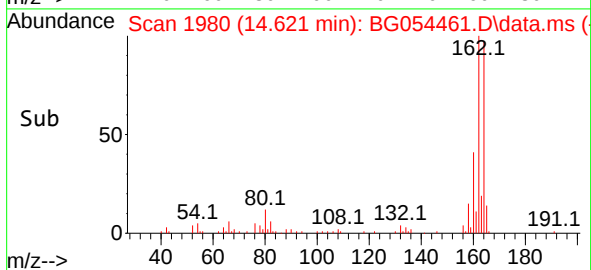
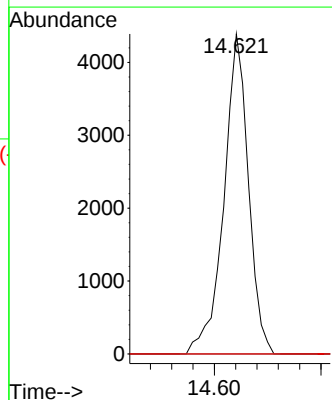
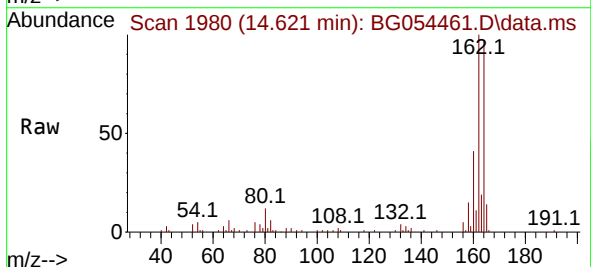
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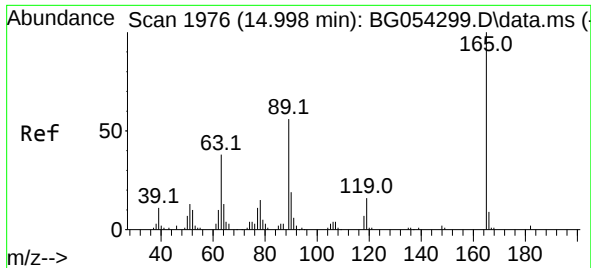
Tgt Ion:172 Resp: 200805
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 23.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.744 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

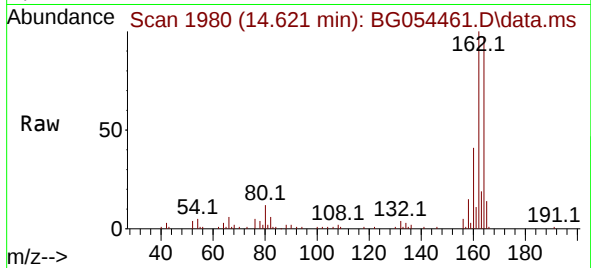
Tgt Ion:165 Resp: 6992
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



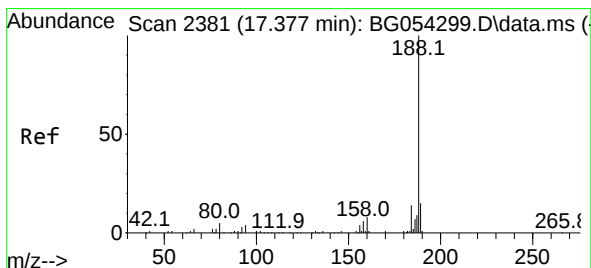
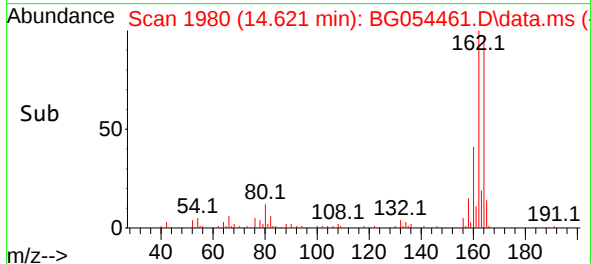
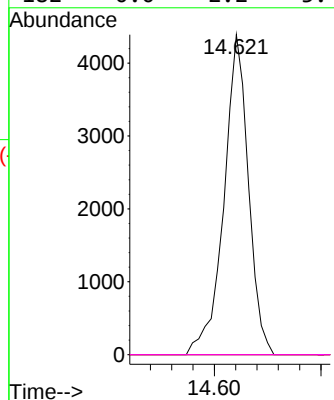


#57
2,4-Dinitrotoluene
Concen: 6.100 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.371 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Instrument :
BNA_G
ClientSampleId :
RVE-69

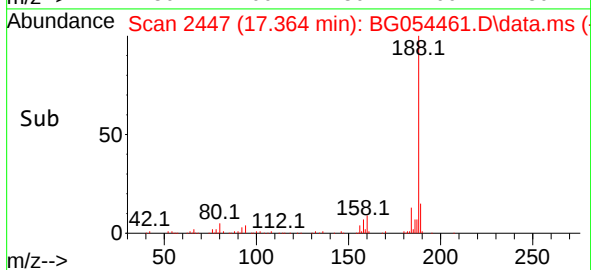
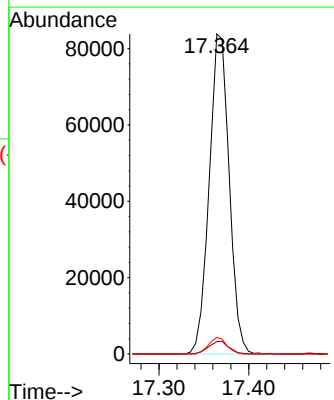
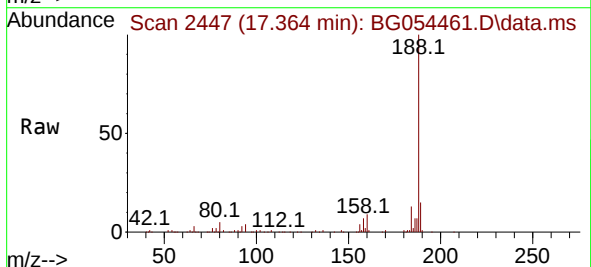


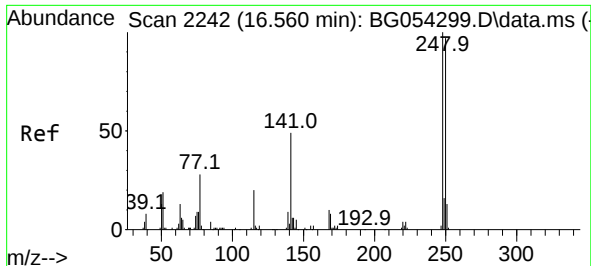
Tgt Ion:	165	Resp:	6992
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	0.0	60.3	90.5#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.364 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion:	188	Resp:	129478
Ion	Ratio	Lower	Upper
188	100		
94	3.8	5.4	8.0#
80	5.1	6.8	10.2#

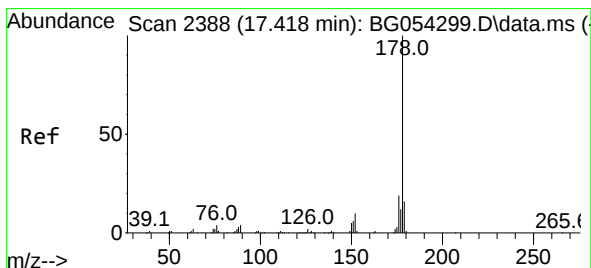
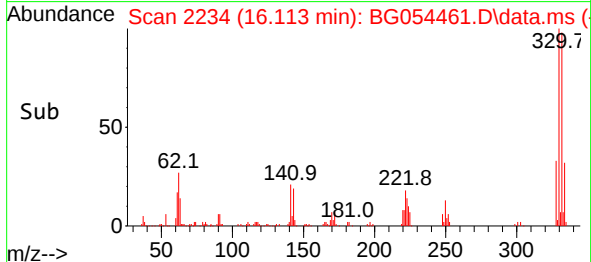
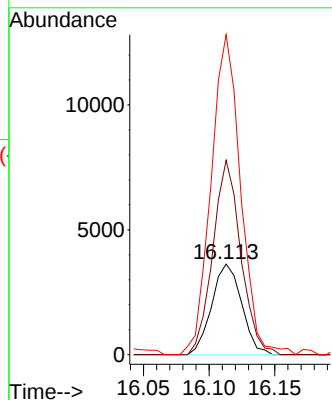
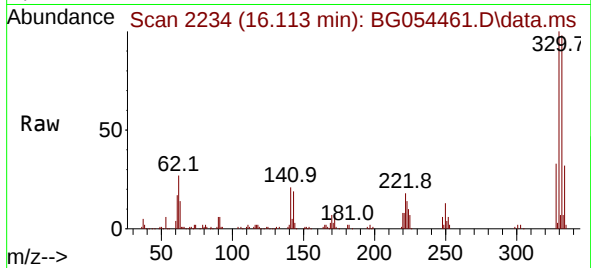




#67
4-Bromophenyl-phenylether
Concen: 3.159 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

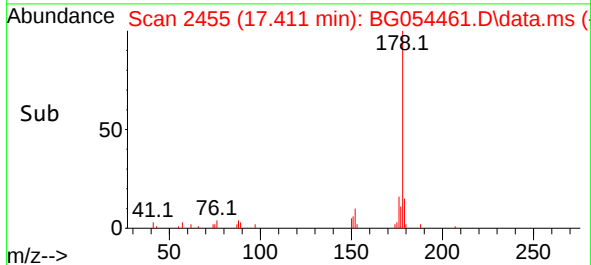
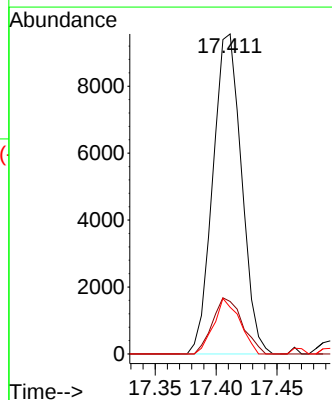
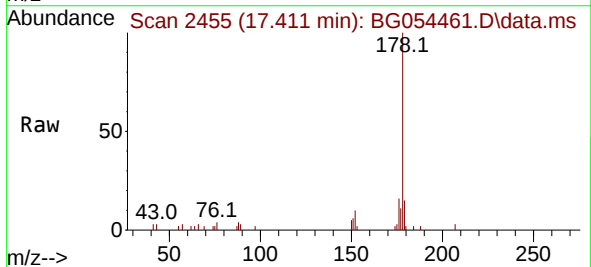
Instrument :
BNA_G
ClientSampleId :
RVE-69

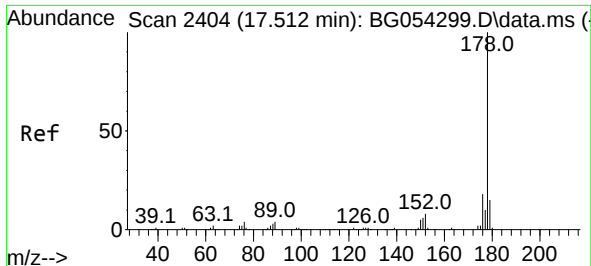
Tgt Ion:248 Resp: 5744
Ion Ratio Lower Upper
248 100
250 158.5 75.2 112.8#
141 260.9 50.0 75.0#



#71
Phenanthrene
Concen: 2.424 ng
RT: 17.411 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion:178 Resp: 15633
Ion Ratio Lower Upper
178 100
176 16.4 14.1 21.1
179 14.6 12.1 18.1

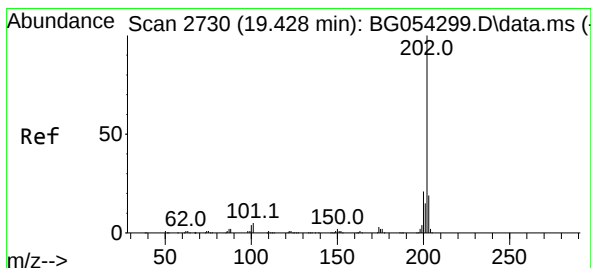
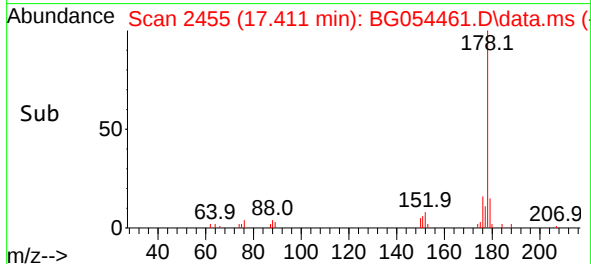
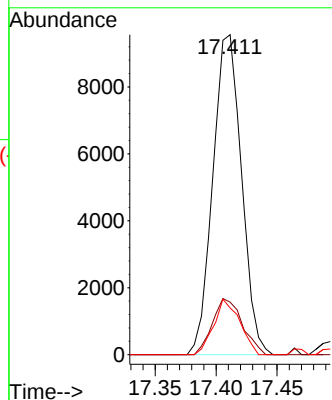
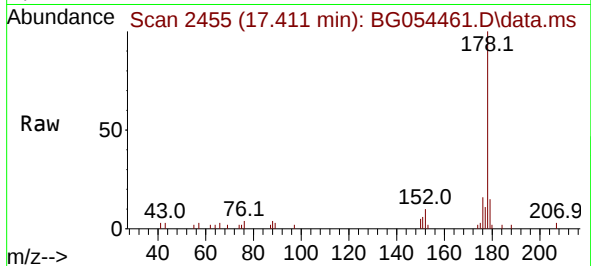




#72
 Anthracene
 Concen: 2.471 ng
 RT: 17.411 min Scan# 2404
 Delta R.T. -0.089 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

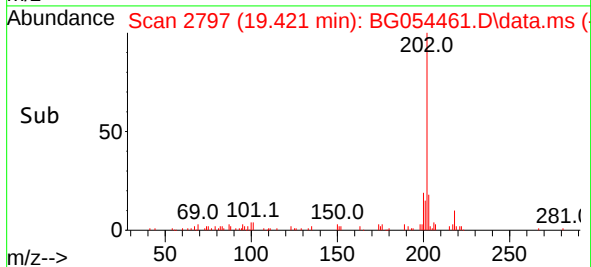
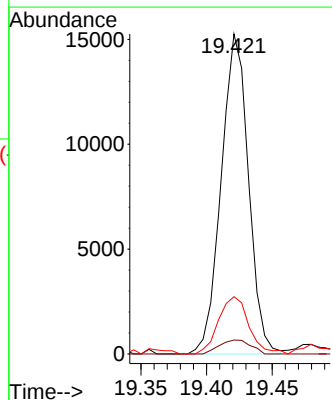
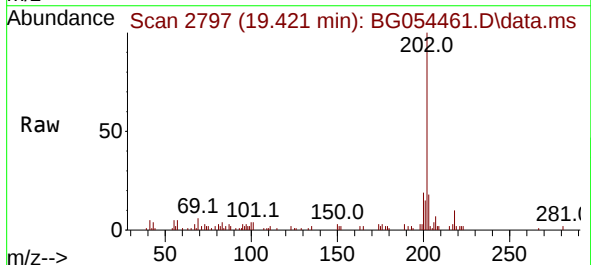
Instrument :
 BNA_G
 ClientSampleId :
 RVE-69

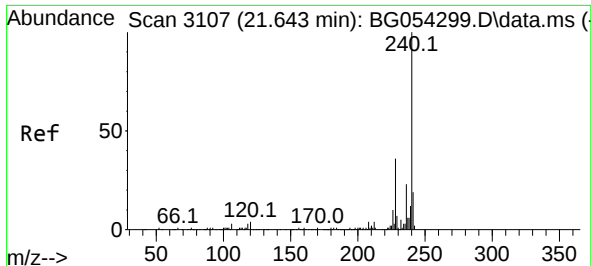
Tgt Ion:178 Resp: 15633
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.2 22.8
 179 14.6 13.0 19.4



#75
 Fluoranthene
 Concen: 2.507 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

Tgt Ion:202 Resp: 22039
 Ion Ratio Lower Upper
 202 100
 101 4.4 0.0 26.9
 203 17.9 0.0 37.2

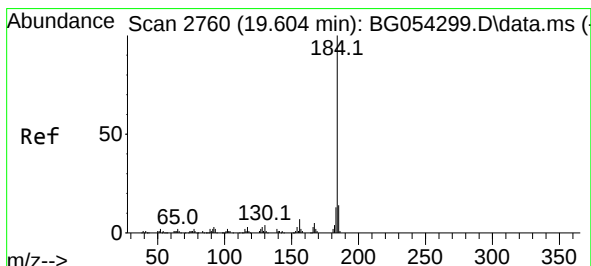
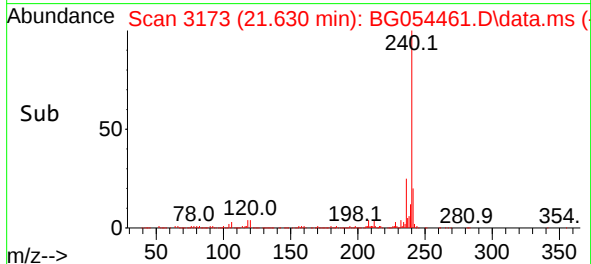
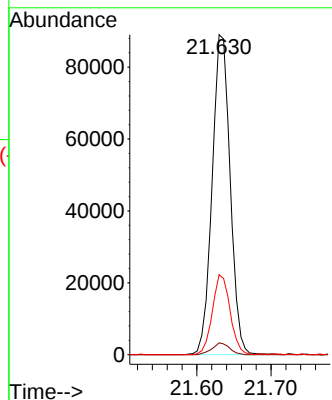
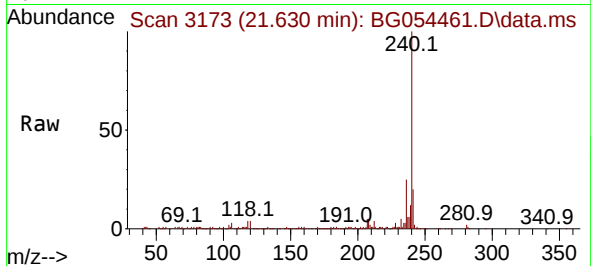




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

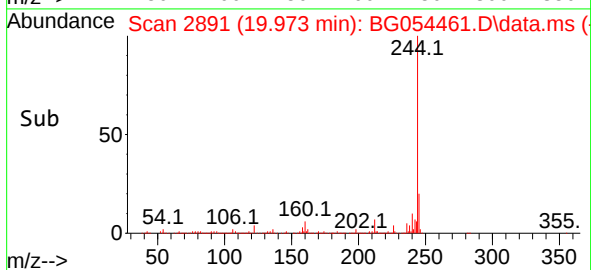
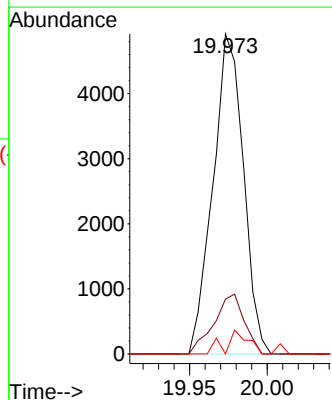
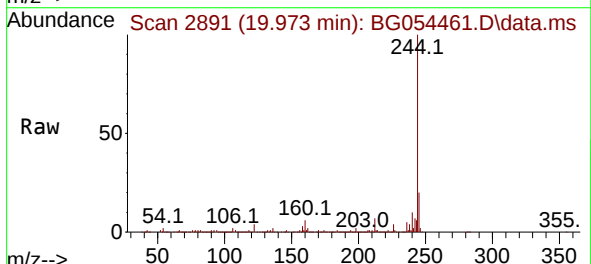
Instrument :
BNA_G
ClientSampleId :
RVE-69

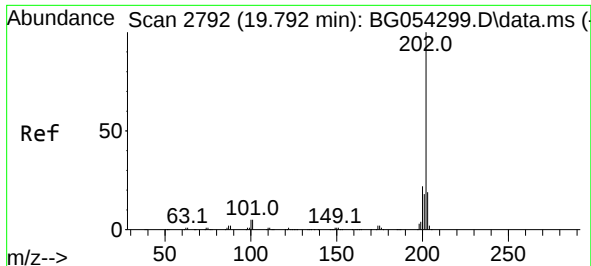
Tgt Ion:240 Resp: 150180
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.0 20.2 30.4



#77
Benzidine
Concen: 2.463 ng
RT: 19.973 min Scan# 2891
Delta R.T. 0.375 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion:184 Resp: 6700
Ion Ratio Lower Upper
184 100
185 17.1 11.8 17.6
183 0.0 8.9 13.3#

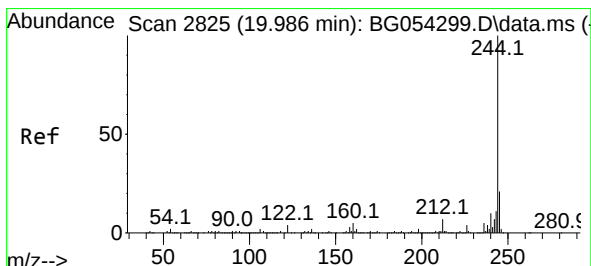
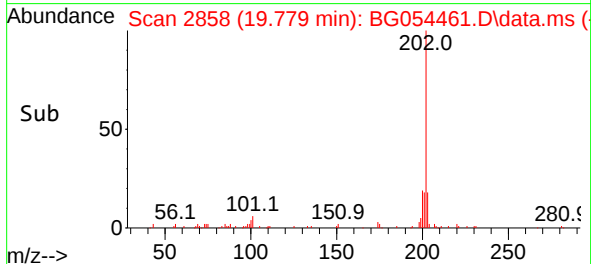
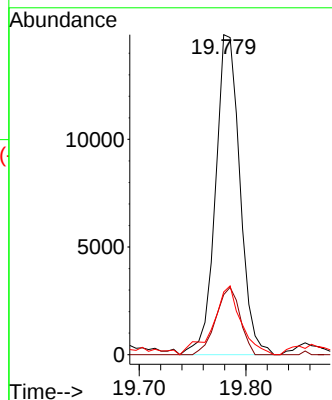
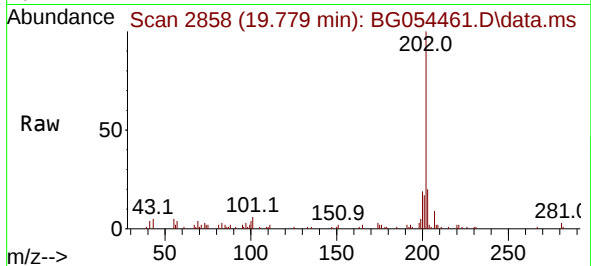




#78
 Pyrene
 Concen: 2.741 ng
 RT: 19.779 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

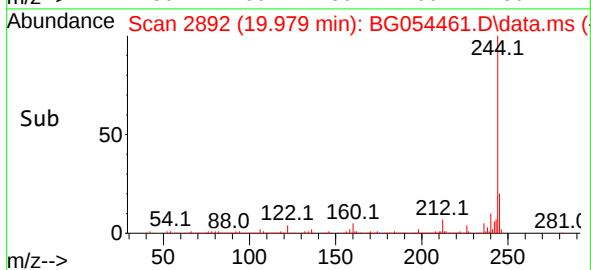
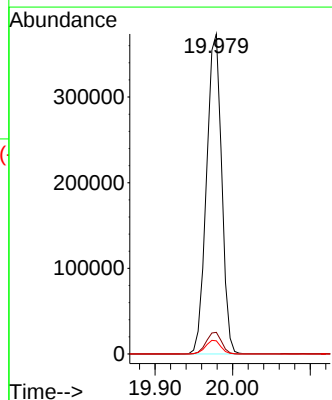
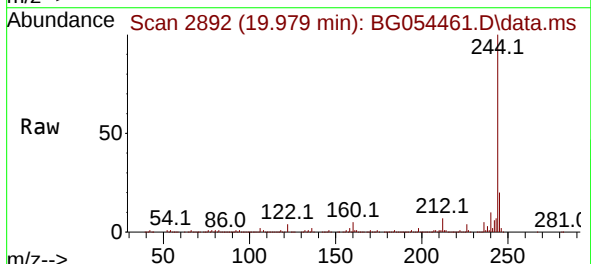
Instrument :
 BNA_G
 ClientSampleId :
 RVE-69

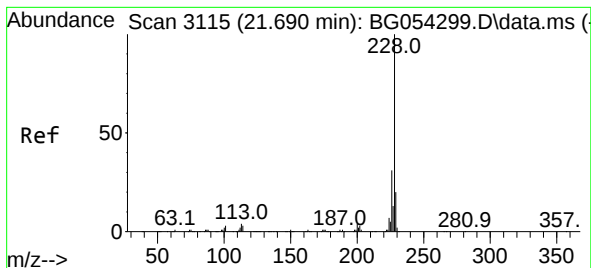
Tgt Ion:202 Resp: 23621
 Ion Ratio Lower Upper
 202 100
 200 18.7 16.6 24.8
 203 19.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 66.927 ng
 RT: 19.979 min Scan# 2892
 Delta R.T. -0.001 min
 Lab File: BG054461.D
 Acq: 1 Aug 2022 12:33

Tgt Ion:244 Resp: 506657
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.1 5.0 7.4#





#83

Chrysene

Concen: 2.073 ng

RT: 21.677 min Scan# 3115

Delta R.T. -0.007 min

Lab File: BG054461.D

Acq: 1 Aug 2022 12:33

Instrument :

BNA_G

ClientSampleId :

RVE-69

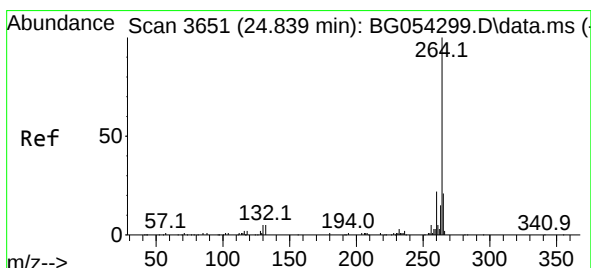
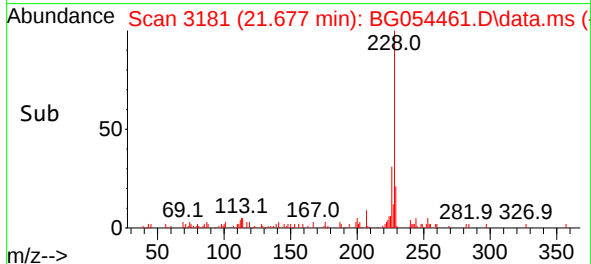
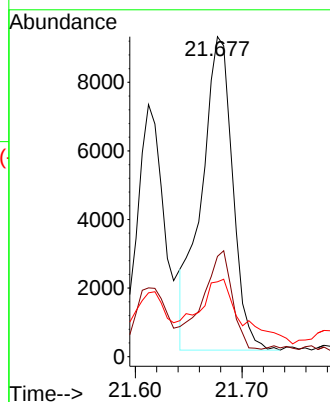
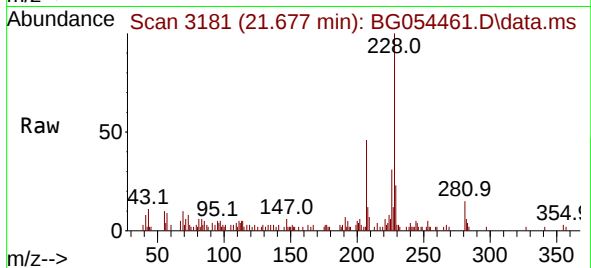
Tgt Ion:228 Resp: 18667

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.2

229 23.4 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.838 min Scan# 3719

Delta R.T. 0.005 min

Lab File: BG054461.D

Acq: 1 Aug 2022 12:33

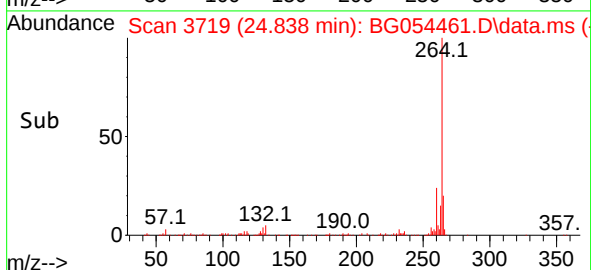
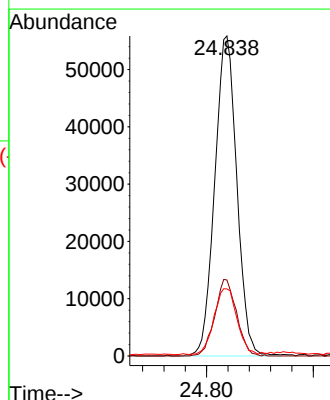
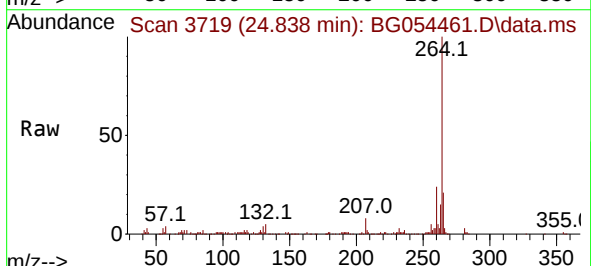
Tgt Ion:264 Resp: 160337

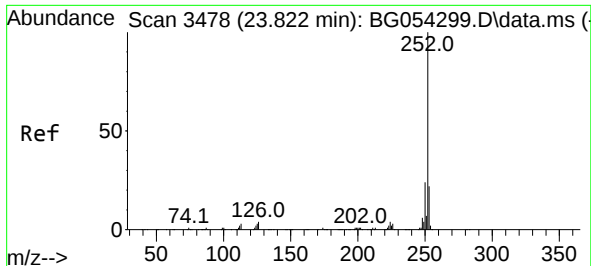
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.0 17.4 26.2

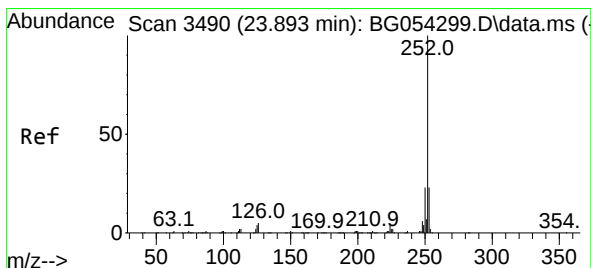
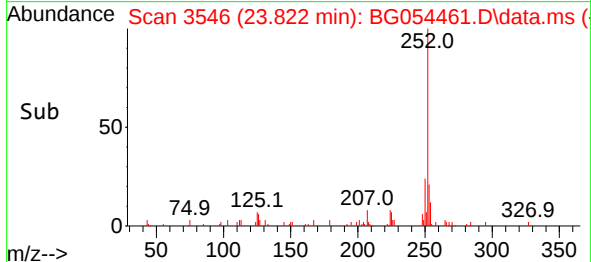
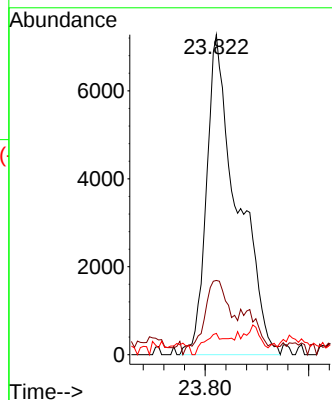
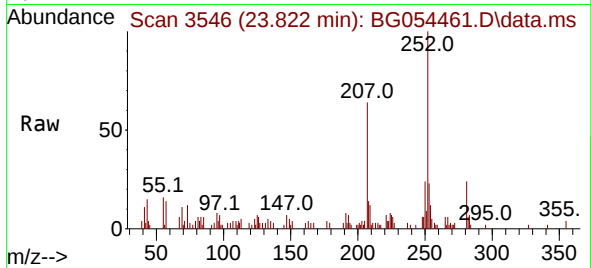




#88
Benzo(b)fluoranthene
Concen: 3.165 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.001 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Instrument :
BNA_G
ClientSampleId :
RVE-69

Tgt Ion:252 Resp: 30010
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 6.7 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 3.180 ng
RT: 23.822 min Scan# 3546
Delta R.T. -0.066 min
Lab File: BG054461.D
Acq: 1 Aug 2022 12:33

Tgt Ion:252 Resp: 30010
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 6.7 4.8 7.2

