

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054473.D
 Acq On : 1 Aug 2022 20:48
 Operator : CG/JU
 Sample : N3895-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-54

Quant Time: Aug 02 05:46:52 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)

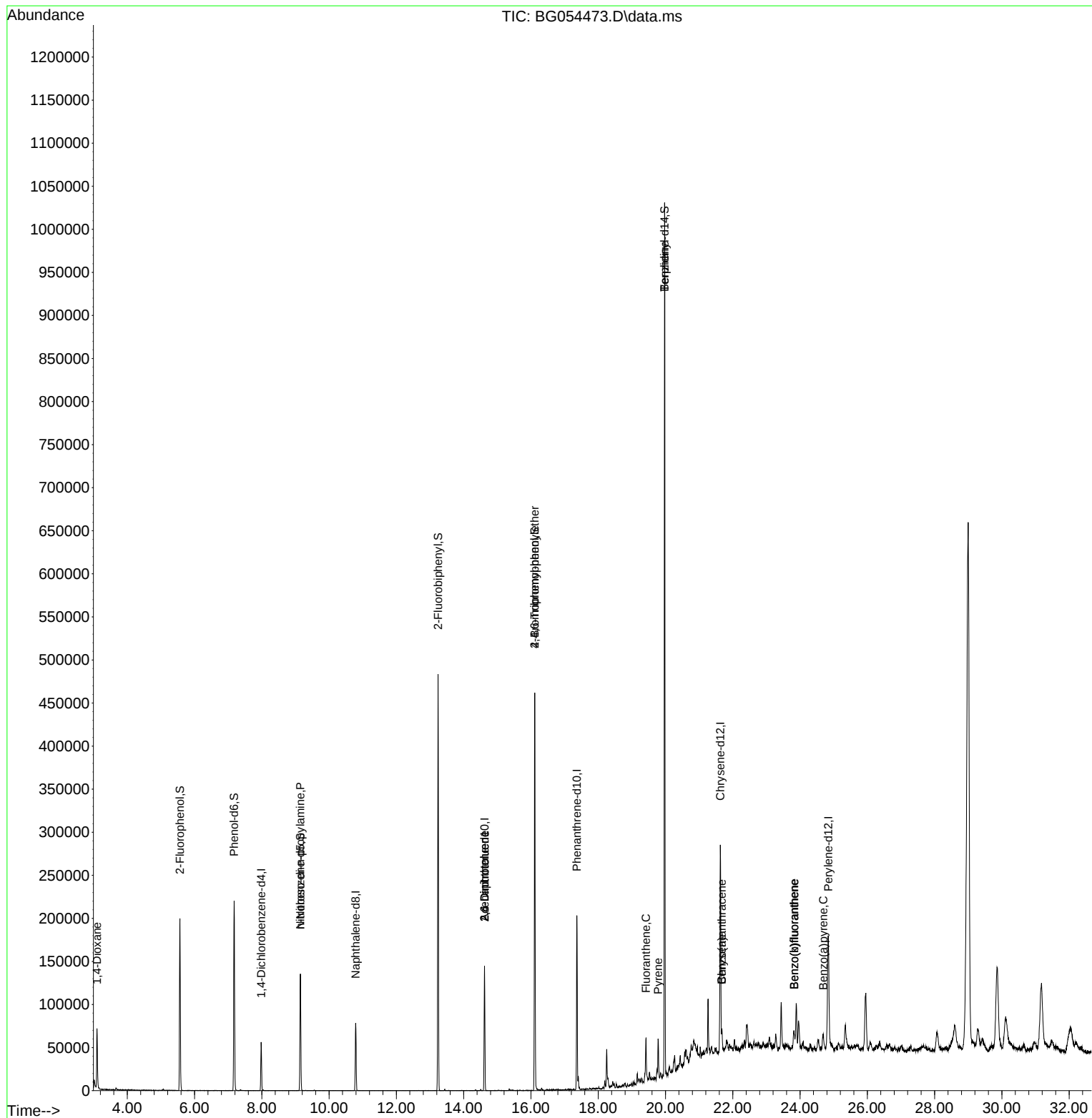
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	17913	20.000	ng	0.00
21) Naphthalene-d8	10.791	136	71350	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	56931	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	141021	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	158114	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	167811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	91501	106.651	ng	0.00
7) Phenol-d6	7.177	99	126238	107.381	ng	0.00
23) Nitrobenzene-d5	9.146	82	83508	63.736	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	124394	104.066	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	274286	67.965	ng	0.00
79) Terphenyl-d14	19.974	244	570789	71.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.100	88	769	2.253	ng	# 1
9) Benzaldehyde	7.171	77	60	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.146	70	11911	15.172	ng	# 76
51) 2,6-Dinitrotoluene	14.622	165	8012	8.214	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	8012	5.730	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7447	3.760	ng	# 1
75) Fluoranthene	19.422	202	27186	2.840	ng	93
77) Benzidine	19.974	184	7380	2.577	ng	99
78) Pyrene	19.780	202	31736	3.498	ng	96
81) Benzo(a)anthracene	21.678	228	21408	2.133	ng	91
83) Chrysene	21.678	228	21408	2.258	ng	# 93
88) Benzo(b)fluoranthene	23.828	252	25843	2.604	ng	# 99
89) Benzo(k)fluoranthene	23.828	252	25843	2.617	ng	98
90) Benzo(a)pyrene	24.692	252	17374	2.050	ng	# 92

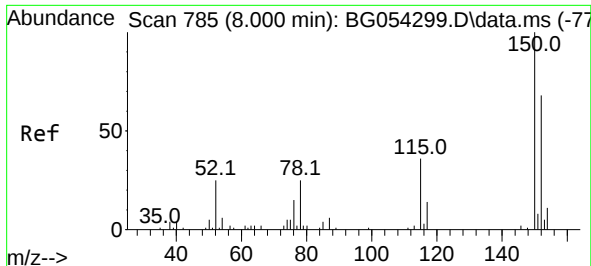
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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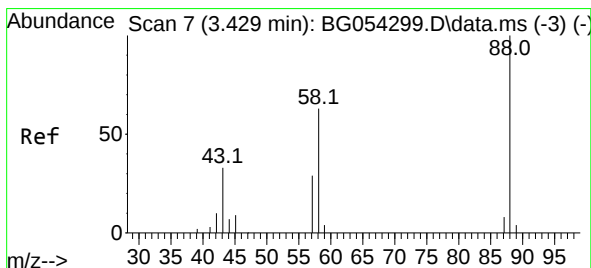
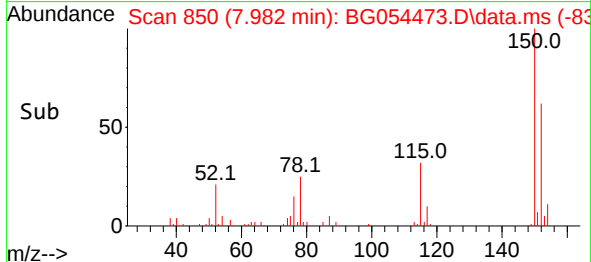
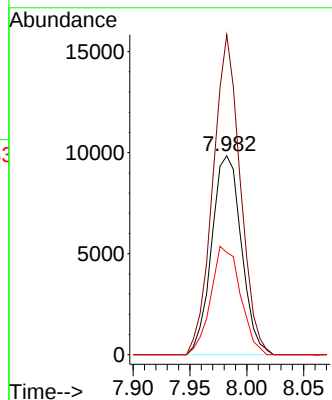
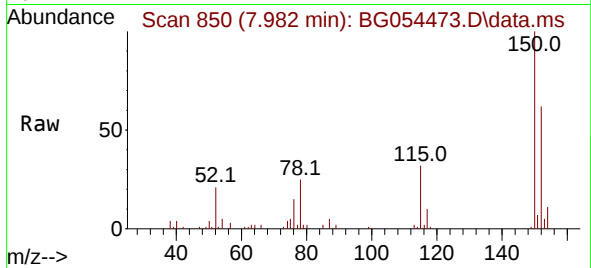




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.982 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG054473.D
 Acq: 1 Aug 2022 20:48

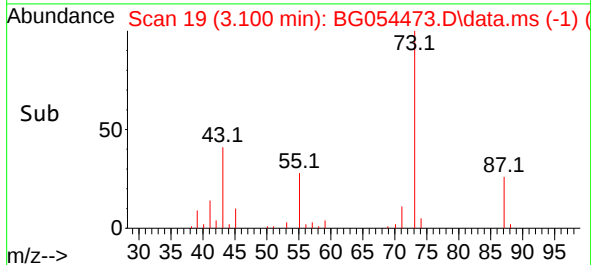
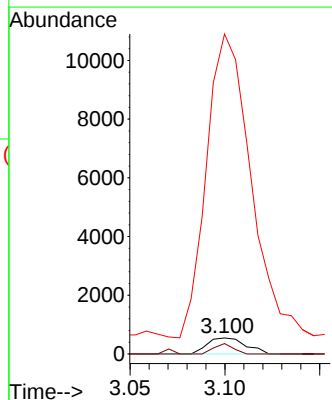
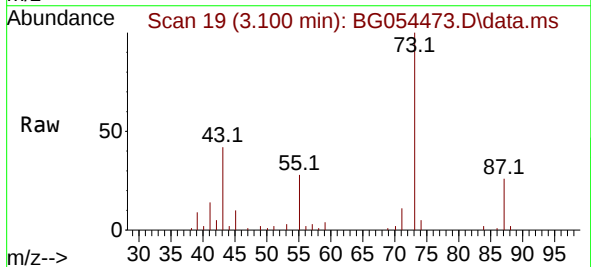
Instrument :
 BNA_G
 ClientSampleId :
 RVE-54

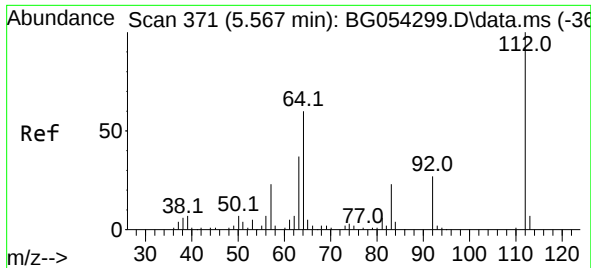
Tgt Ion:152 Resp: 17913
 Ion Ratio Lower Upper
 152 100
 150 160.9 131.6 197.4
 115 51.4 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.253 ng
 RT: 3.100 min Scan# 19
 Delta R.T. -0.318 min
 Lab File: BG054473.D
 Acq: 1 Aug 2022 20:48

Tgt Ion: 88 Resp: 769
 Ion Ratio Lower Upper
 88 100
 58 32.5 59.2 88.8#
 43 2486.2 24.3 36.5#

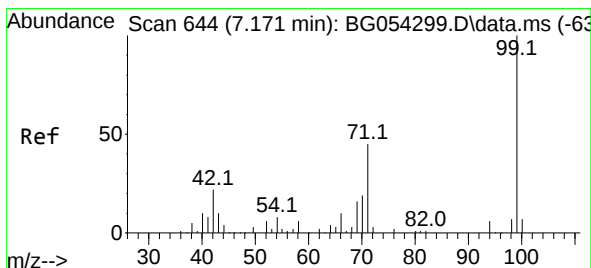
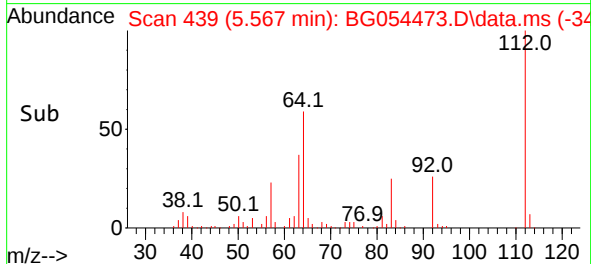
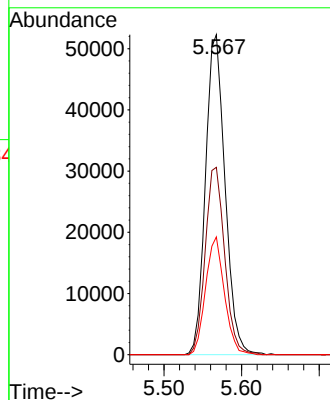
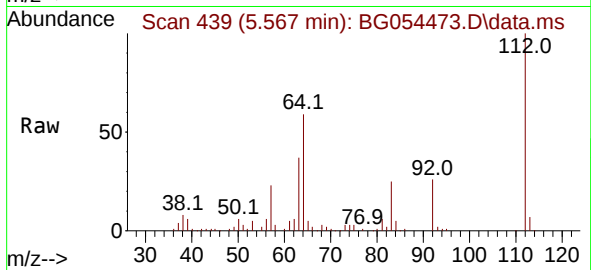




#5
2-Fluorophenol
Concen: 106.651 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

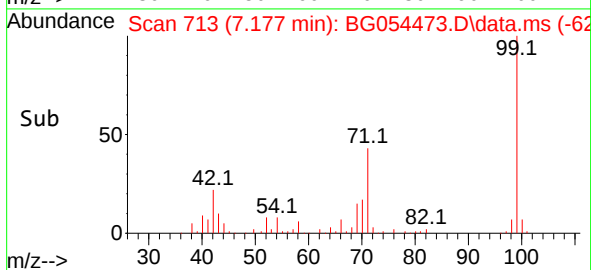
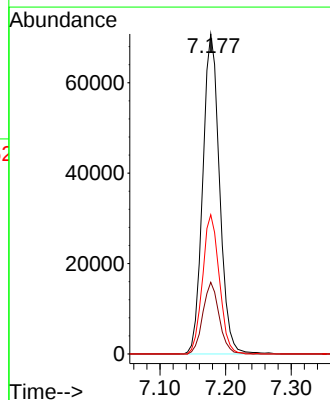
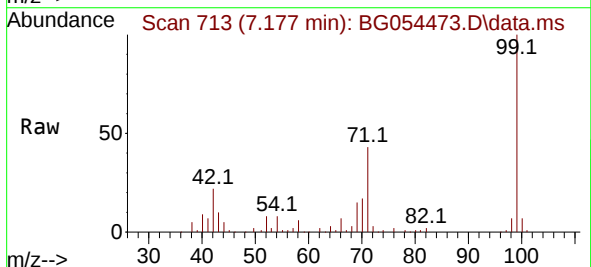
Instrument :
BNA_G
ClientSampleId :
RVE-54

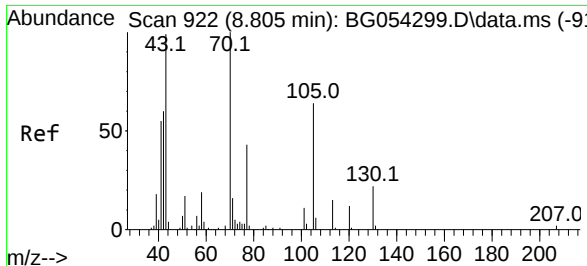
Tgt Ion:112 Resp: 91501
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 36.8 30.4 45.6



#7
Phenol-d6
Concen: 107.381 ng
RT: 7.177 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

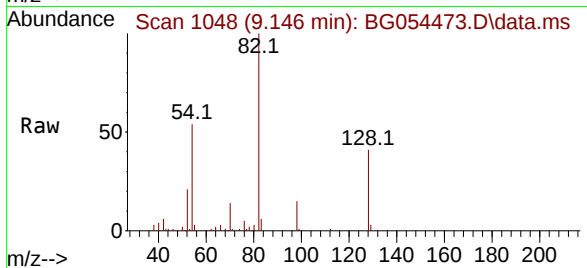
Tgt Ion: 99 Resp: 126238
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 43.5 33.8 50.8



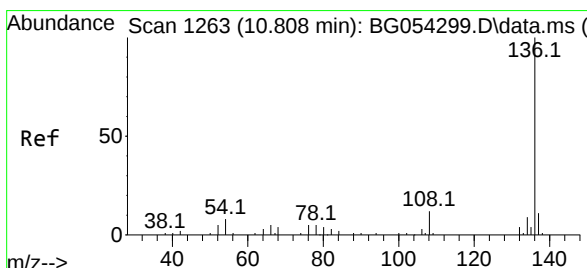
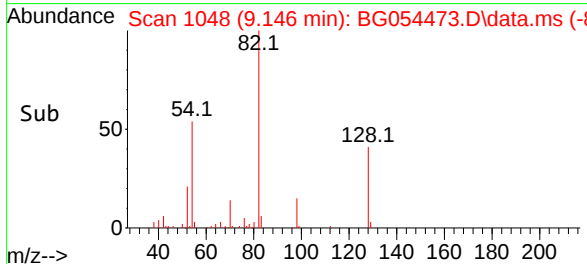
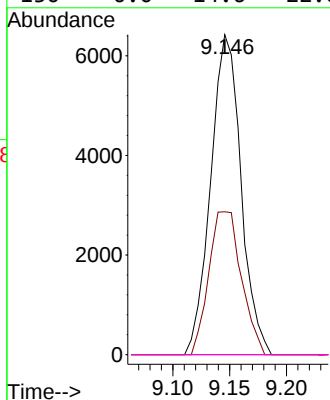


#19
n-Nitroso-di-n-propylamine
Concen: 15.172 ng
RT: 9.146 min Scan# 11
Delta R.T. 0.352 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Instrument :
BNA_G
ClientSampleId :
RVE-54

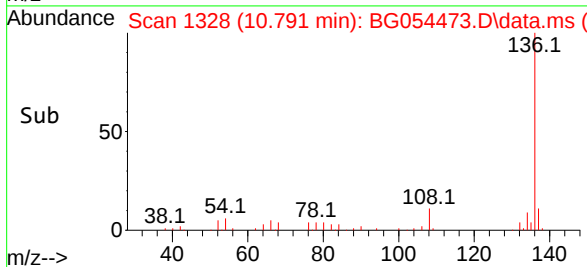
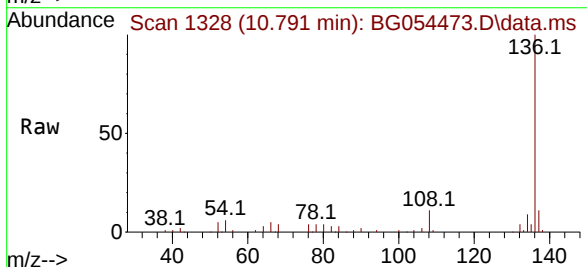
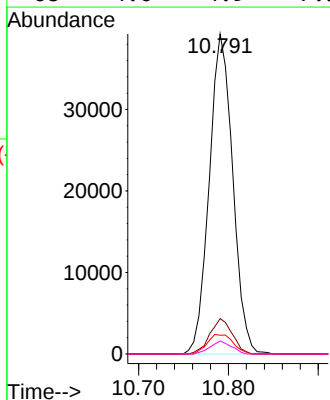


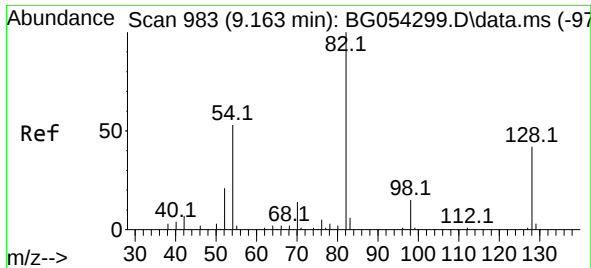
Tgt Ion: 70	Resp: 11911
Ion Ratio	Lower Upper
70 100	
42 44.7	47.3 70.9#
101 0.0	7.0 10.4#
130 0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:136	Resp: 71350
Ion Ratio	Lower Upper
136 100	
137 11.1	8.5 12.7
54 5.8	7.4 11.2#
68 4.0	4.9 7.3#

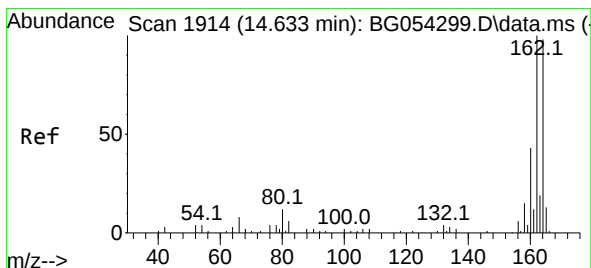
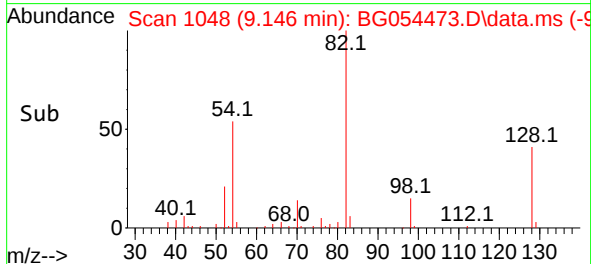
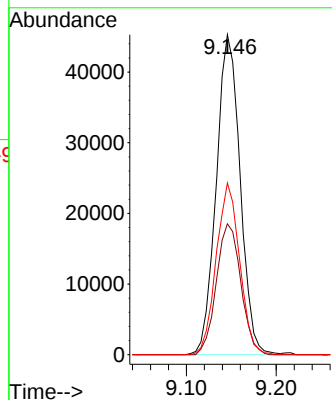
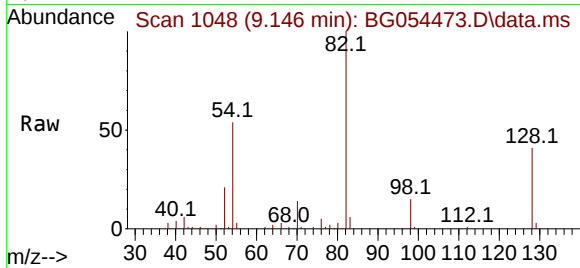




#23
Nitrobenzene-d5
Concen: 63.736 ng
RT: 9.146 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

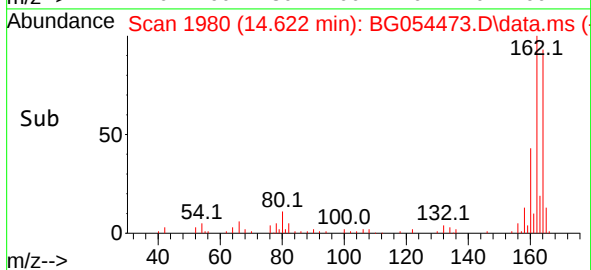
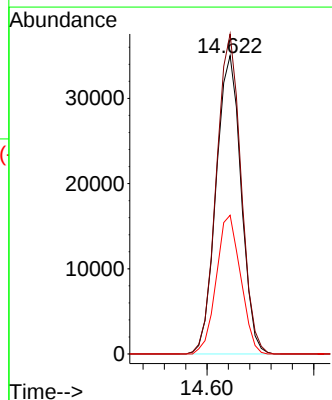
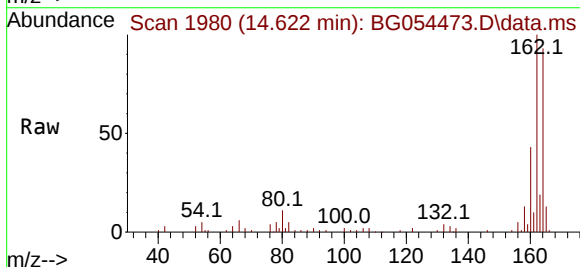
Instrument :
BNA_G
ClientSampleId :
RVE-54

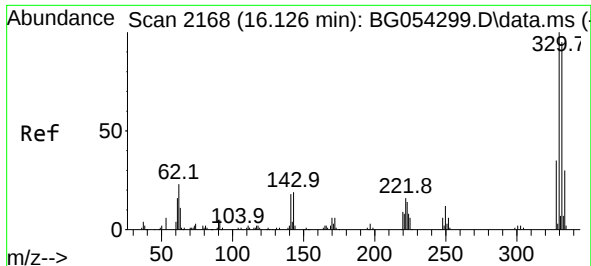
Tgt Ion: 82 Resp: 83508
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 53.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:164 Resp: 56931
Ion Ratio Lower Upper
164 100
162 107.2 82.3 123.5
160 46.5 34.2 51.2

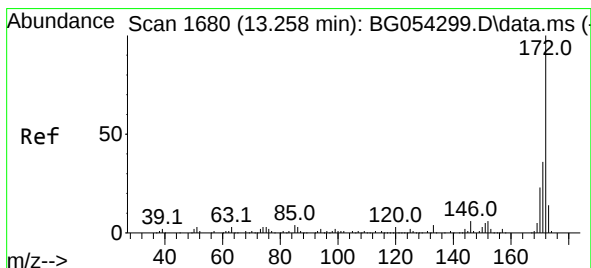
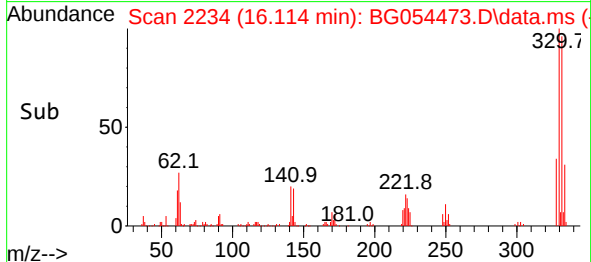
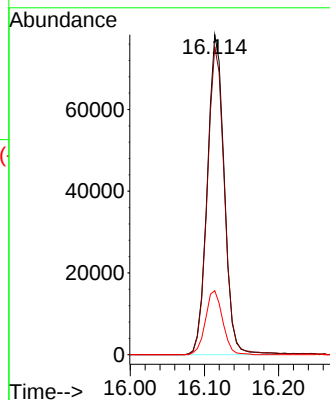
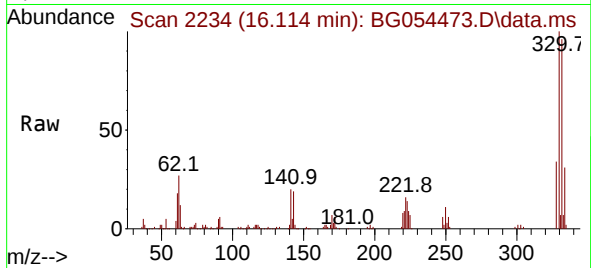




#42
2,4,6-Tribromophenol
Concen: 104.066 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

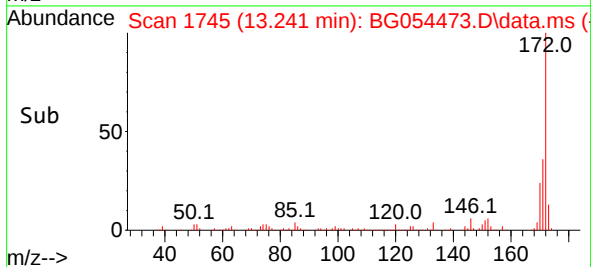
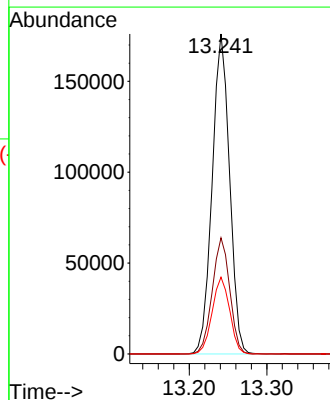
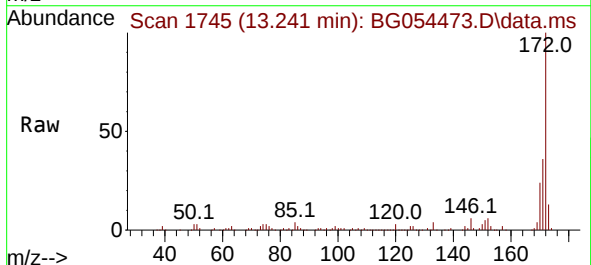
Instrument :
BNA_G
ClientSampleId :
RVE-54

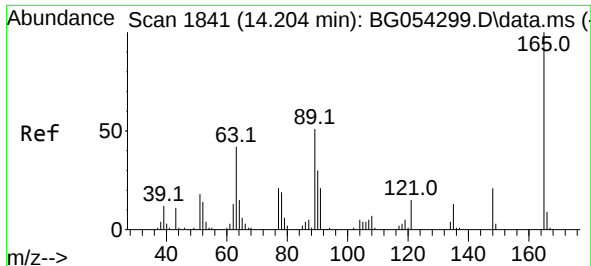
Tgt Ion:330 Resp: 124394
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 20.3 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 67.965 ng
RT: 13.241 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:172 Resp: 274286
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.0 18.9 28.3

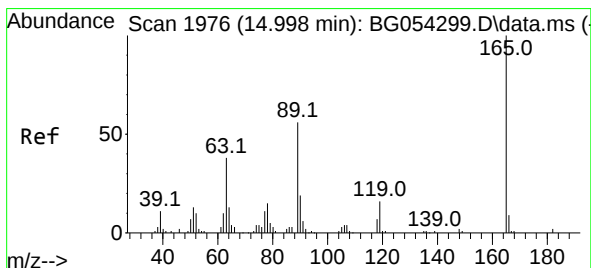
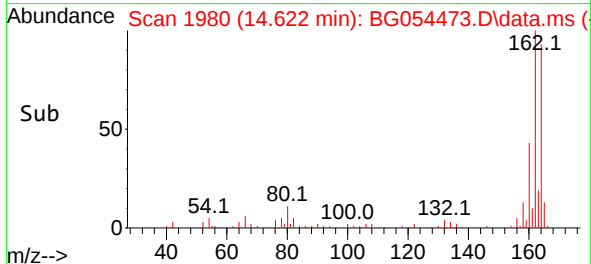
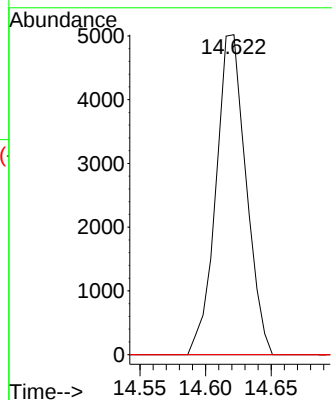
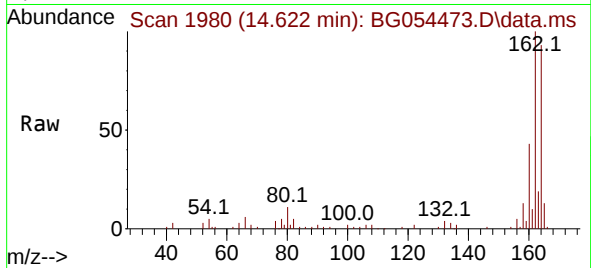




#51
2,6-Dinitrotoluene
Concen: 8.214 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

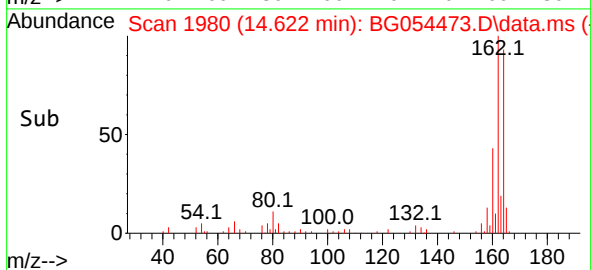
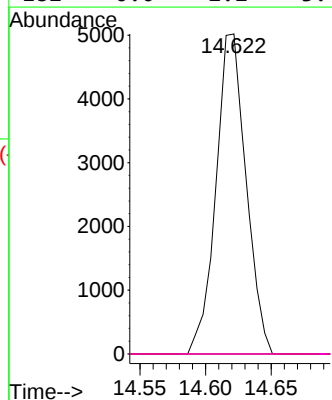
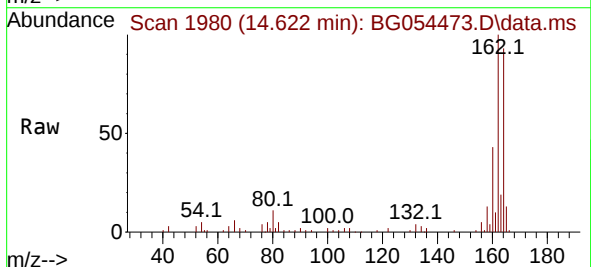
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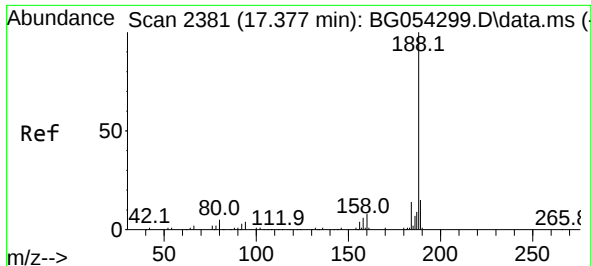
Tgt Ion:165 Resp: 8012
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.730 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.370 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:165 Resp: 8012
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#

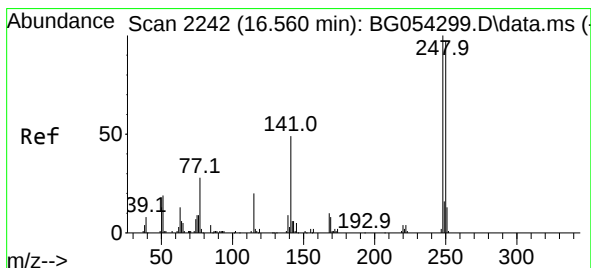
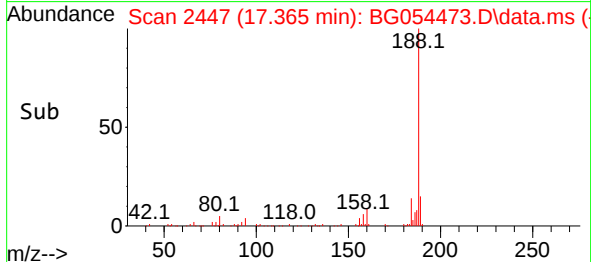
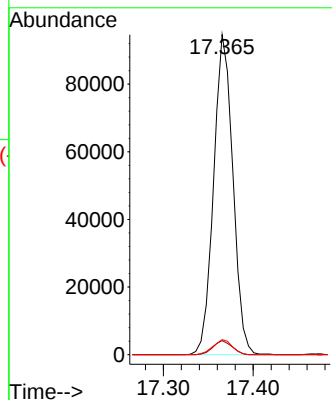
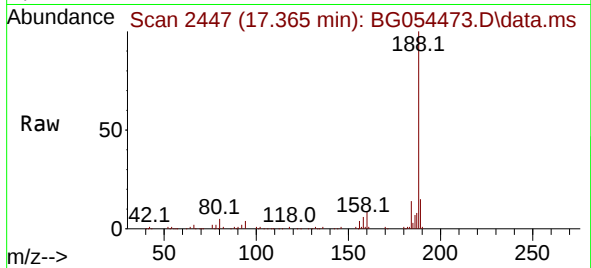




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

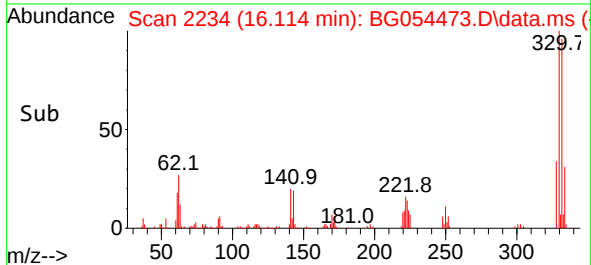
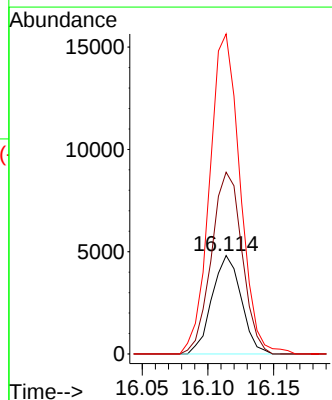
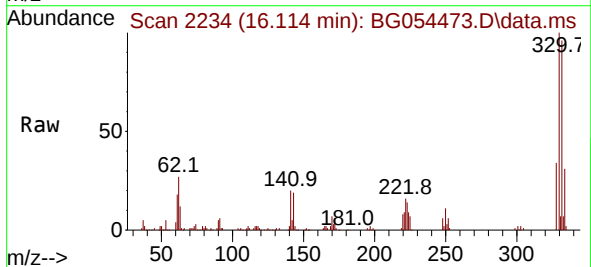
Instrument :
BNA_G
ClientSampleId :
RVE-54

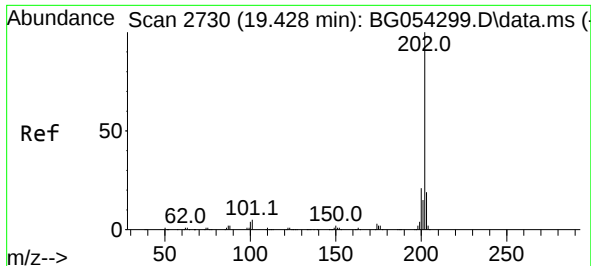
Tgt Ion:188 Resp: 141021
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.760 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:248 Resp: 7447
Ion Ratio Lower Upper
248 100
250 138.6 75.2 112.8#
141 244.1 50.0 75.0#

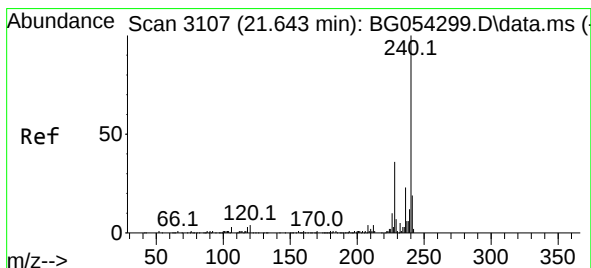
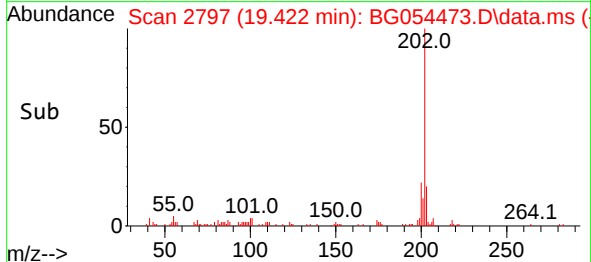
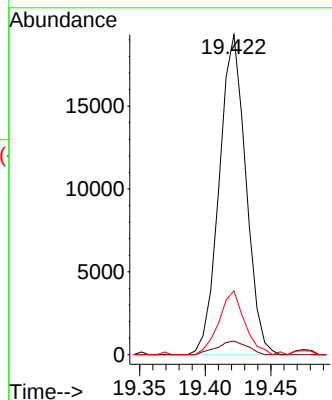
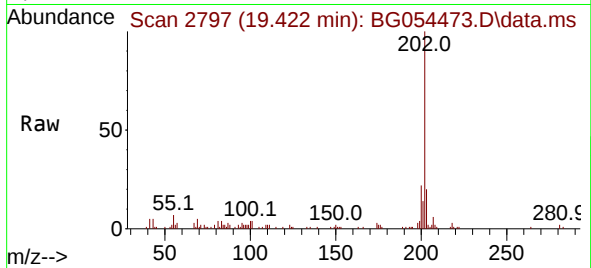




#75
Fluoranthene
Concen: 2.840 ng
RT: 19.422 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

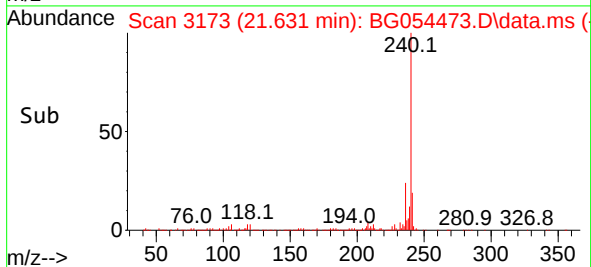
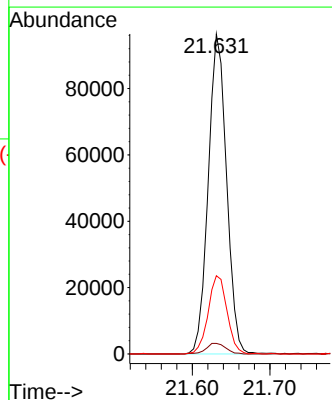
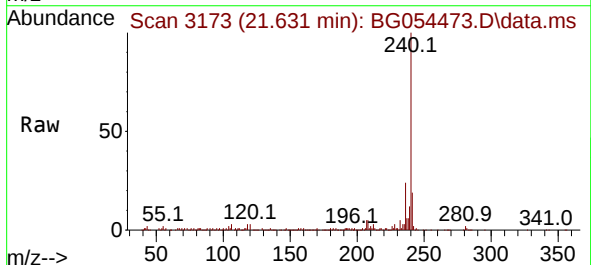
Instrument :
BNA_G
ClientSampleId :
RVE-54

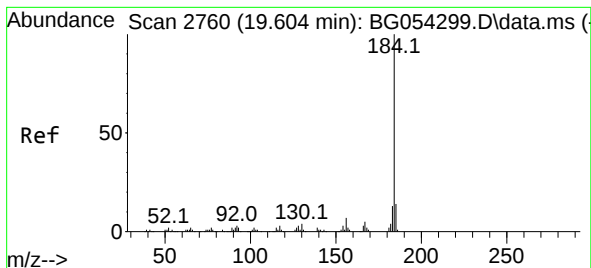
Tgt Ion:202 Resp: 27186
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 20.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

Tgt Ion:240 Resp: 158114
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.5 20.2 30.4





#77

Benzidine

Concen: 2.577 ng

RT: 19.974 min Scan# 21

Delta R.T. 0.376 min

Lab File: BG054473.D

Acq: 1 Aug 2022 20:48

Instrument :

BNA_G

ClientSampleId :

RVE-54

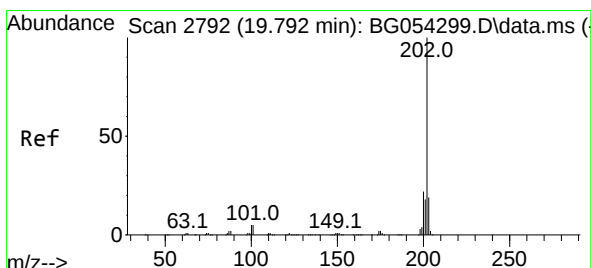
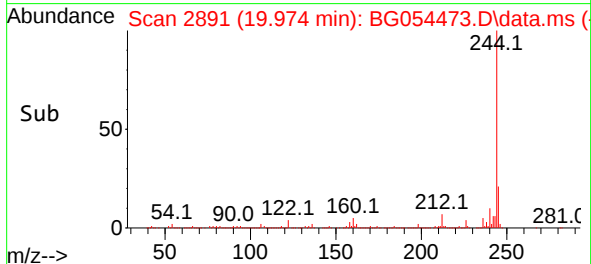
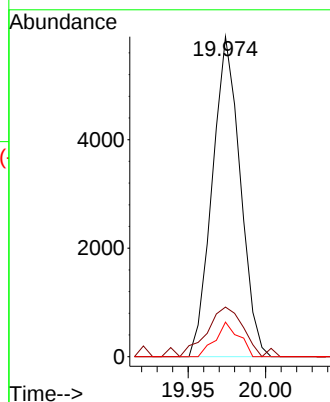
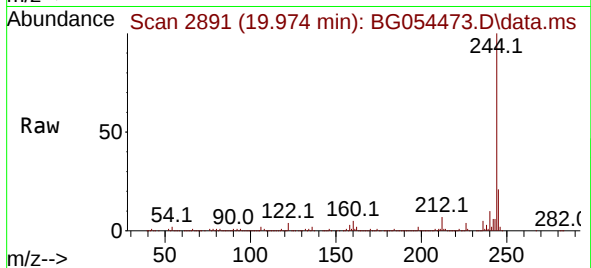
Tgt Ion:184 Resp: 7380

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

183 10.8 8.9 13.3



#78

Pyrene

Concen: 3.498 ng

RT: 19.780 min Scan# 2858

Delta R.T. -0.006 min

Lab File: BG054473.D

Acq: 1 Aug 2022 20:48

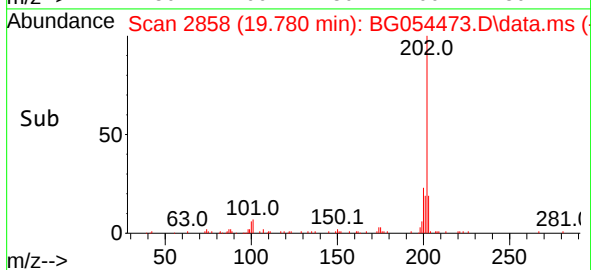
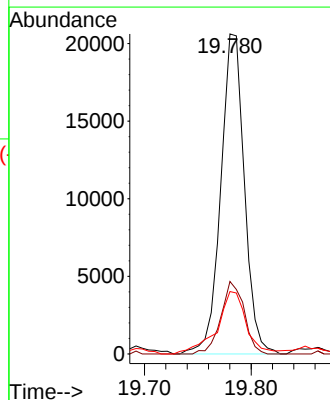
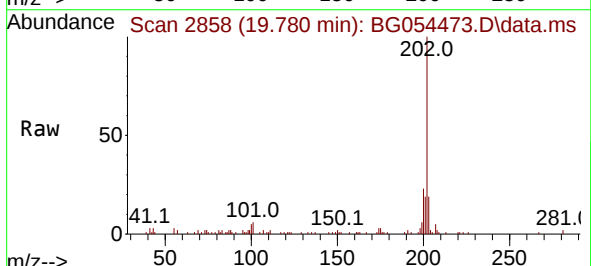
Tgt Ion:202 Resp: 31736

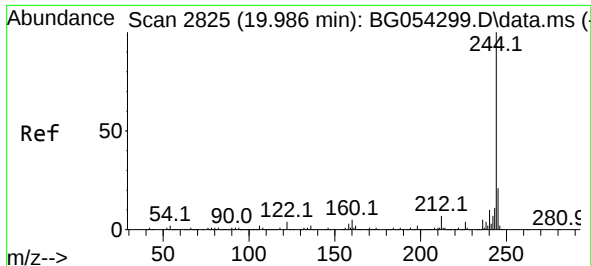
Ion Ratio Lower Upper

202 100

200 22.6 16.6 24.8

203 19.5 14.6 21.8

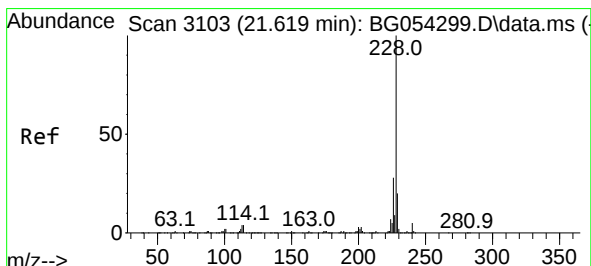
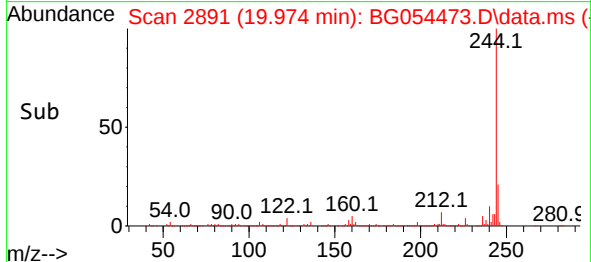
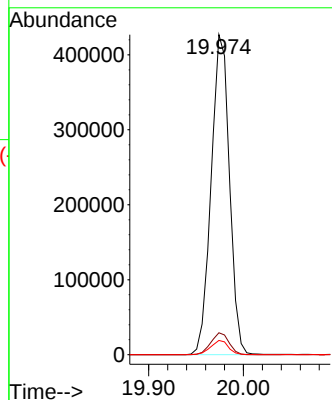
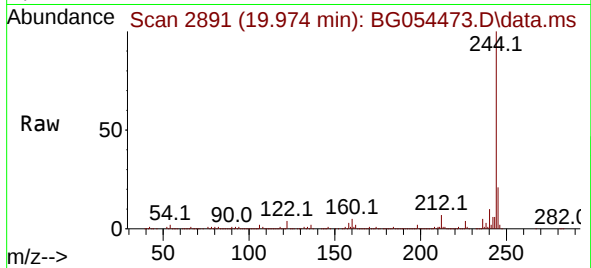




#79
 Terphenyl-d14
 Concen: 71.615 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054473.D
 Acq: 1 Aug 2022 20:48

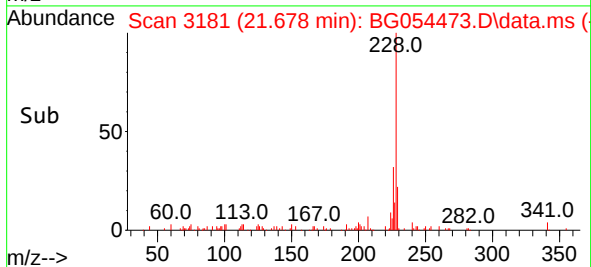
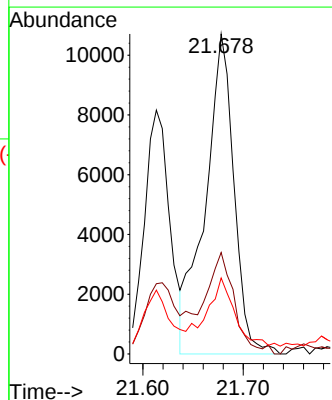
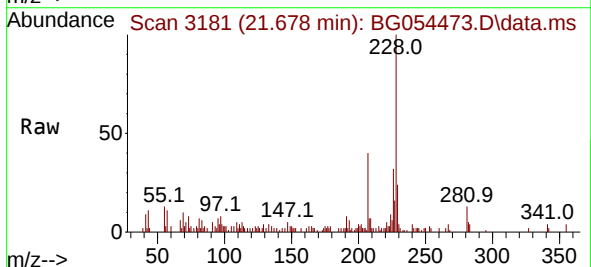
Instrument :
 BNA_G
 ClientSampleId :
 RVE-54

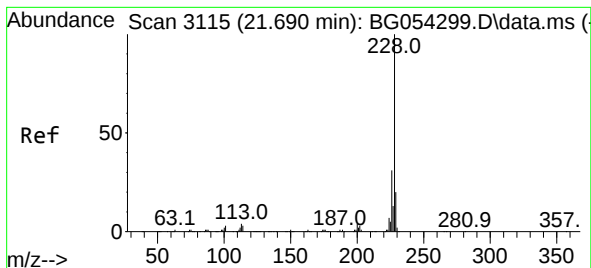
Tgt Ion:244 Resp: 570789
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.133 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. 0.064 min
 Lab File: BG054473.D
 Acq: 1 Aug 2022 20:48

Tgt Ion:228 Resp: 21408
 Ion Ratio Lower Upper
 228 100
 226 31.7 21.6 32.4
 229 23.8 16.2 24.2





#83

Chrysene

Concen: 2.258 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054473.D

Acq: 1 Aug 2022 20:48

Instrument :

BNA_G

ClientSampleId :

RVE-54

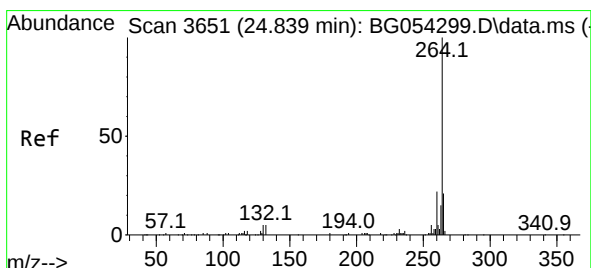
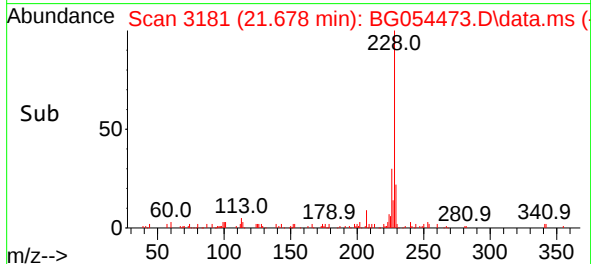
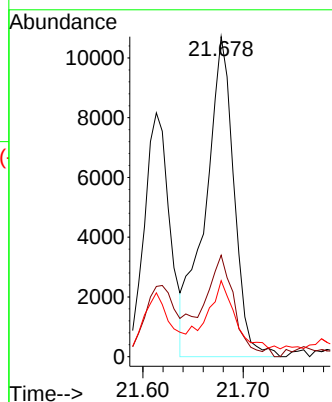
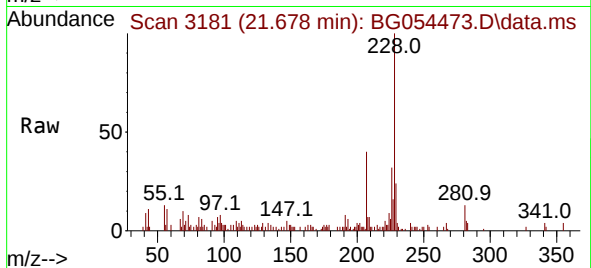
Tgt Ion:228 Resp: 21408

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.2

229 23.8 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3719

Delta R.T. 0.006 min

Lab File: BG054473.D

Acq: 1 Aug 2022 20:48

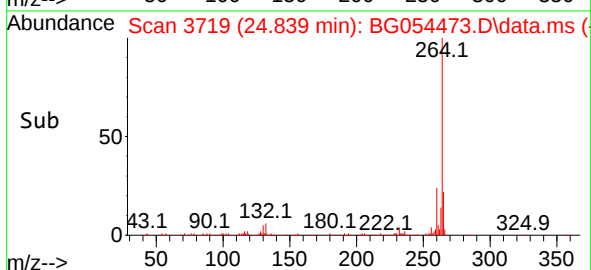
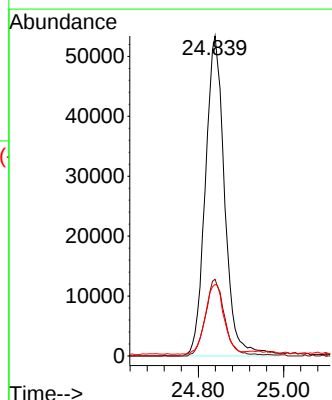
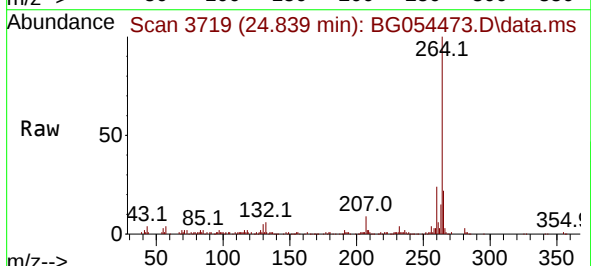
Tgt Ion:264 Resp: 167811

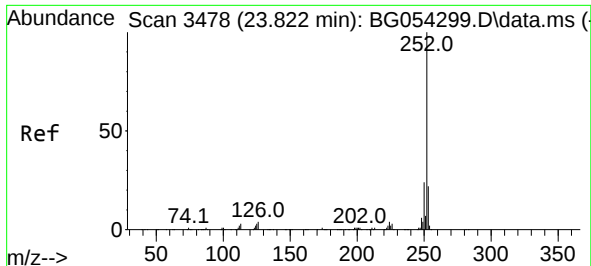
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.4 17.4 26.2

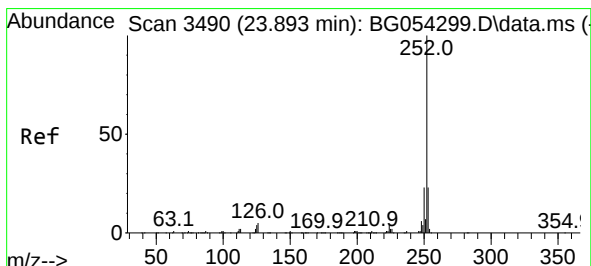
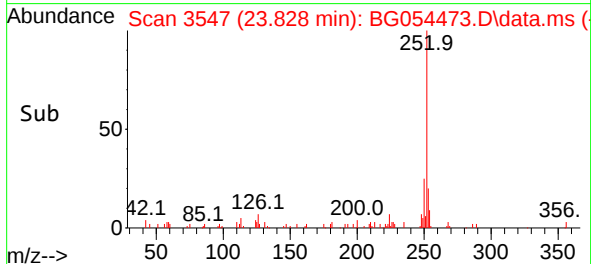
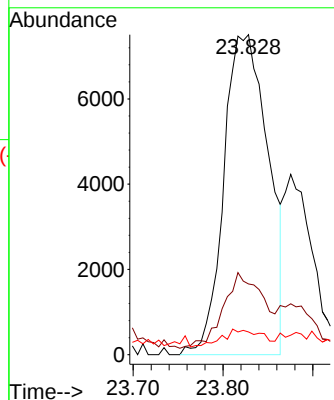
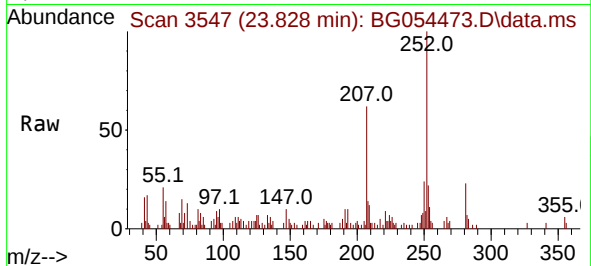




#88
Benzo(b)fluoranthene
Concen: 2.604 ng
RT: 23.828 min Scan# 3547
Delta R.T. 0.006 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

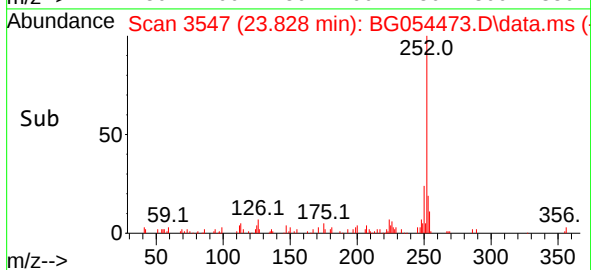
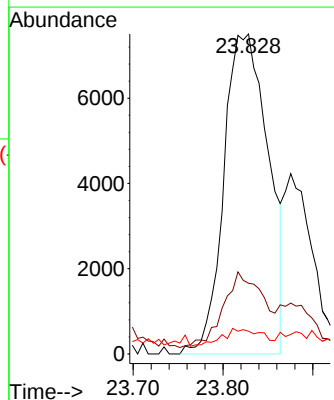
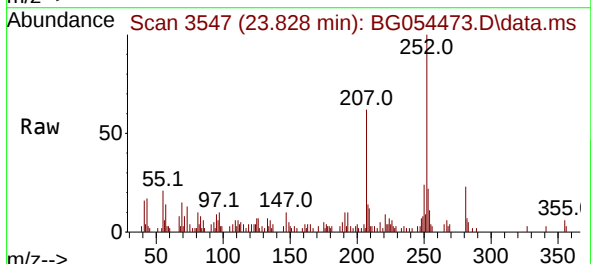
Instrument :
BNA_G
ClientSampleId :
RVE-54

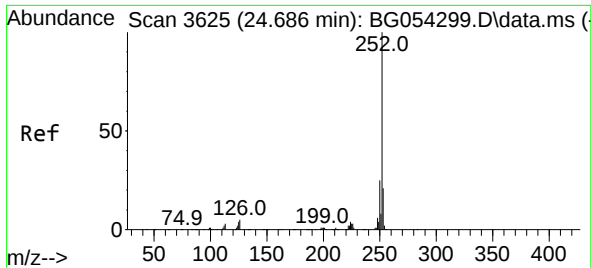
Tgt Ion:252 Resp: 25843
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 7.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 2.617 ng
RT: 23.828 min Scan# 3547
Delta R.T. -0.059 min
Lab File: BG054473.D
Acq: 1 Aug 2022 20:48

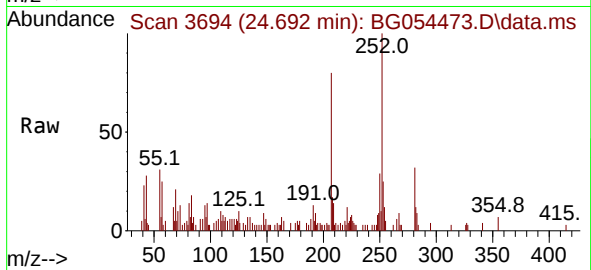
Tgt Ion:252 Resp: 25843
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 7.1 4.8 7.2





#90
 Benzo(a)pyrene
 Concen: 2.050 ng
 RT: 24.692 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BG054473.D
 Acq: 1 Aug 2022 20:48

Instrument :
 BNA_G
 ClientSampleId :
 RVE-54



Tgt Ion:252 Resp: 17374
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.8 26.8
 125 10.1 4.3 6.5#

