

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054348.D
 Acq On : 21 Jul 2022 17:03
 Operator : CG/JU
 Sample : N3816-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-072022

Quant Time: Jul 22 02:37:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

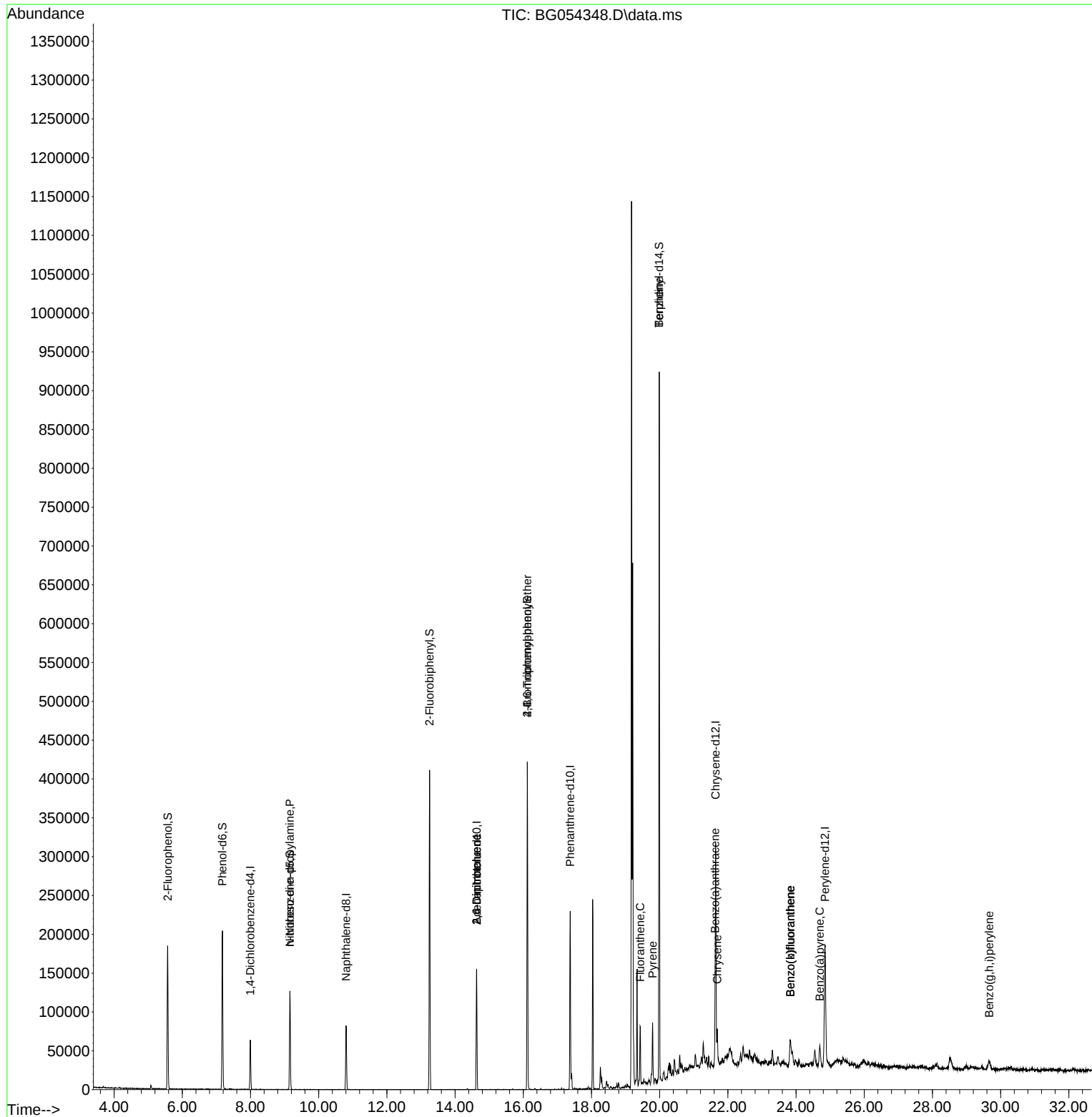
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	19391	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	76851	20.000	ng	# 0.00
39) Acenaphthene-d10	14.634	164	61904	20.000	ng	0.00
64) Phenanthrene-d10	17.378	188	162745	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	181003	20.000	ng	# 0.00
86) Perylene-d12	24.851	264	190149	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.574	112	86980	93.654	ng	0.00
7) Phenol-d6	7.178	99	116325	91.407	ng	0.00
23) Nitrobenzene-d5	9.158	82	76404	54.140	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	109265	84.066	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	235628	53.696	ng	0.00
79) Terphenyl-d14	19.986	244	522185	57.232	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.178	77	124	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.158	70	10847	12.764	ng	# 81
51) 2,6-Dinitrotoluene	14.634	165	8448	7.966	ng	# 16
57) 2,4-Dinitrotoluene	14.634	165	8448	5.556	ng	# 21
67) 4-Bromophenyl-phenylether	16.120	248	6788	2.970	ng	# 1
75) Fluoranthene	19.428	202	50724	4.591	ng	95
77) Benzidine	19.986	184	6882	2.099	ng	# 91
78) Pyrene	19.792	202	52644	5.069	ng	98
81) Benzo(a)anthracene	21.626	228	32535	2.832	ng	95
83) Chrysene	21.690	228	37302	3.436	ng	96
88) Benzo(b)fluoranthene	23.835	252	49104	4.367	ng	# 99
89) Benzo(k)fluoranthene	23.835	252	49104	4.388	ng	# 98
90) Benzo(a)pyrene	24.698	252	33402	3.478	ng	# 99
92) Benzo(g,h,i)perylene	29.663	276	24069	2.050	ng	# 88

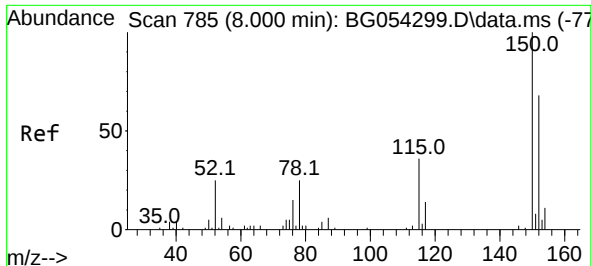
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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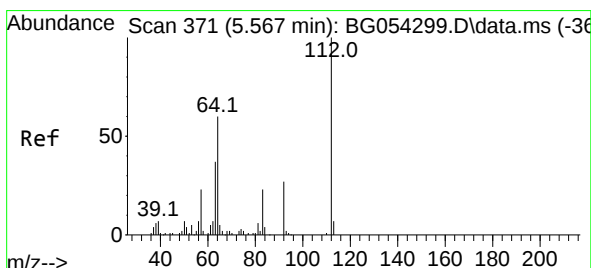
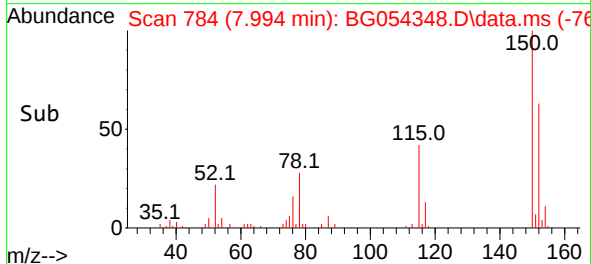
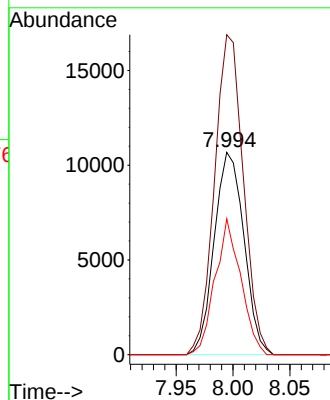
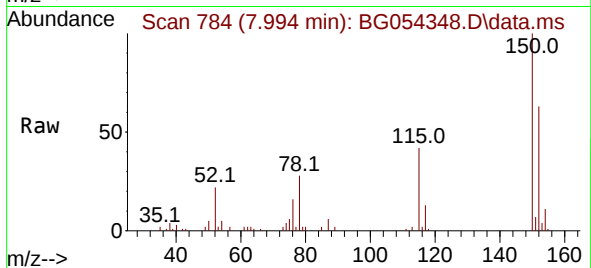




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.994 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

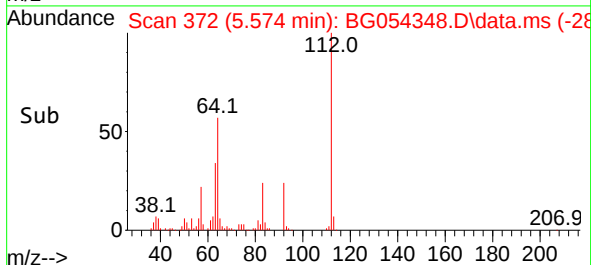
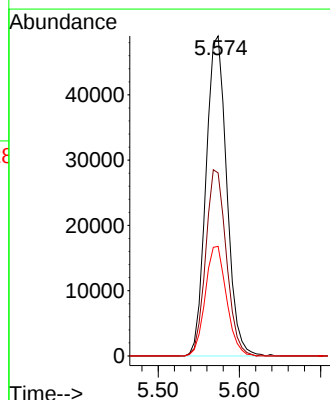
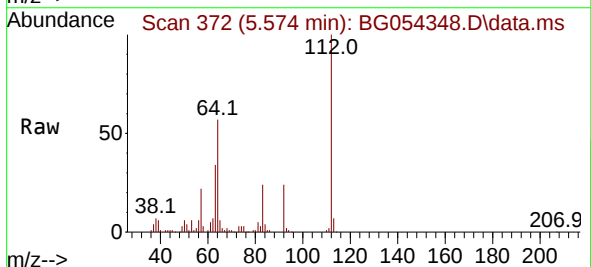
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-072022

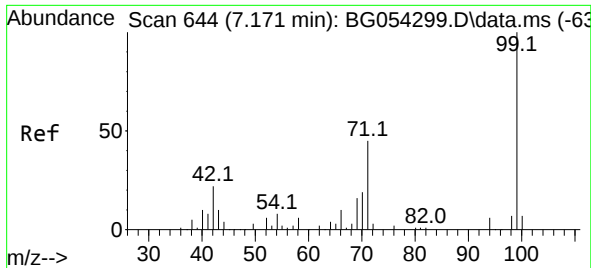
Tgt Ion:152 Resp: 19391
 Ion Ratio Lower Upper
 152 100
 150 158.0 131.6 197.4
 115 67.1 50.9 76.3



#5
 2-Fluorophenol
 Concen: 93.654 ng
 RT: 5.574 min Scan# 372
 Delta R.T. 0.006 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

Tgt Ion:112 Resp: 86980
 Ion Ratio Lower Upper
 112 100
 64 57.2 55.1 82.7
 63 34.2 30.4 45.6

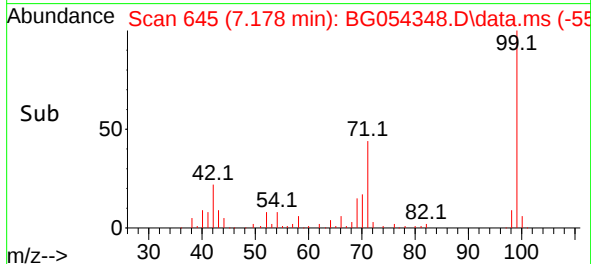
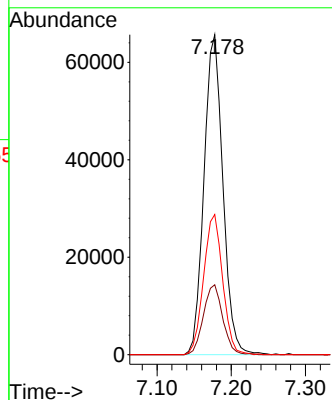
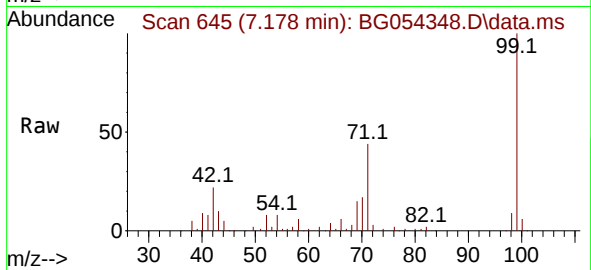




#7
Phenol-d6
Concen: 91.407 ng
RT: 7.178 min Scan# 64
Delta R.T. 0.006 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

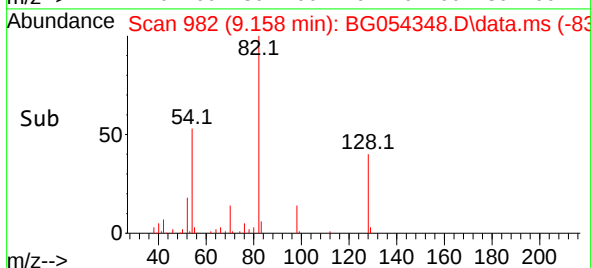
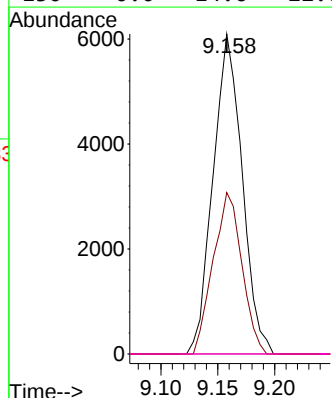
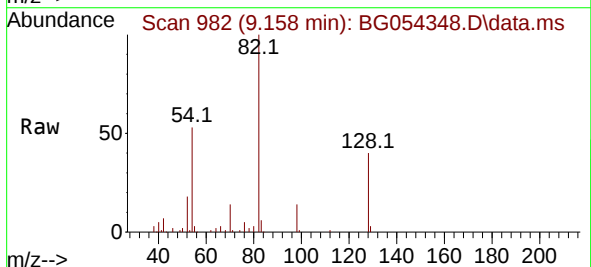
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

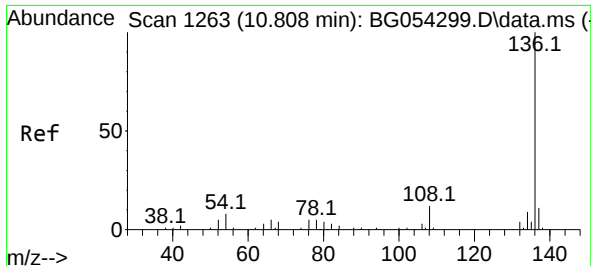
Tgt Ion: 99 Resp: 116325
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.764 ng
RT: 9.158 min Scan# 982
Delta R.T. 0.353 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 70 Resp: 10847
Ion Ratio Lower Upper
70 100
42 50.5 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





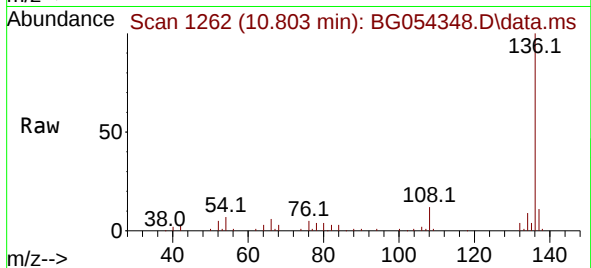
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Instrument :

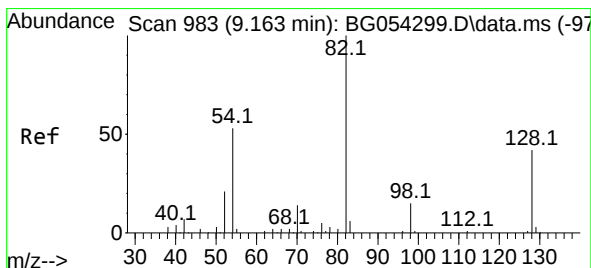
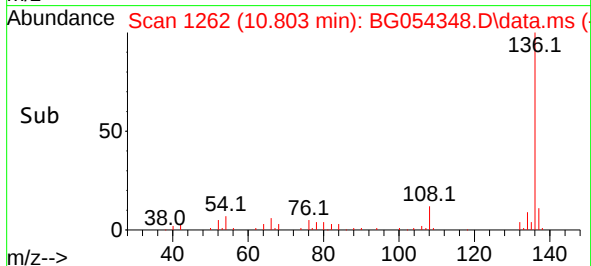
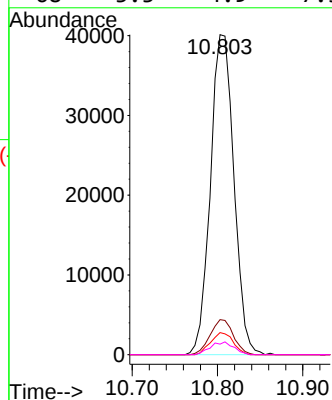
BNA_G

ClientSampleId :

TR-05-072022

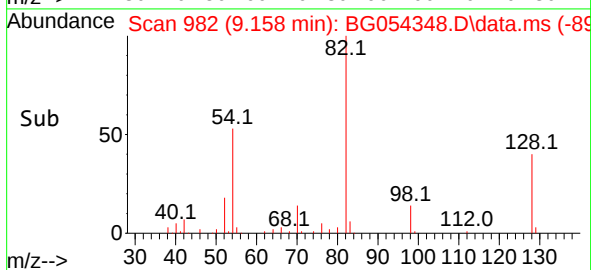
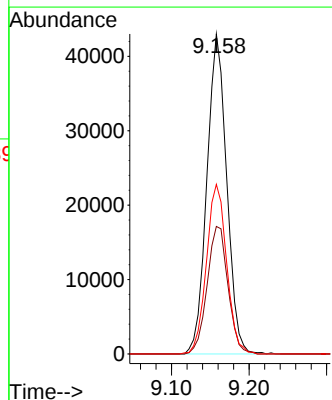
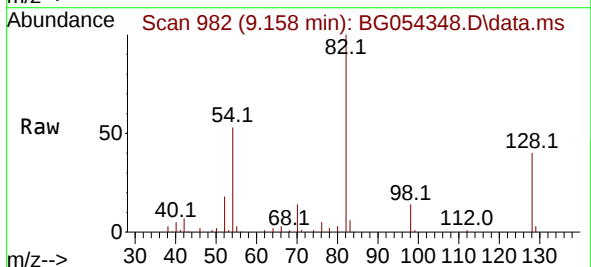


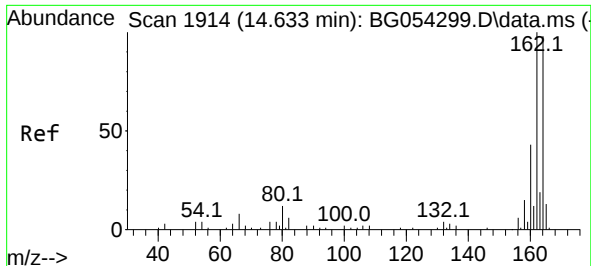
Tgt Ion:136 Resp: 76851
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.9 7.4 11.2#
68 3.3 4.9 7.3#



#23
Nitrobenzene-d5
Concen: 54.140 ng
RT: 9.158 min Scan# 982
Delta R.T. -0.005 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

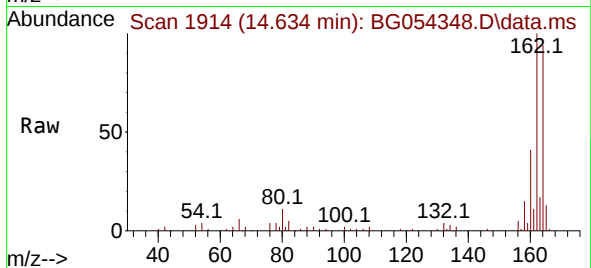
Tgt Ion: 82 Resp: 76404
Ion Ratio Lower Upper
82 100
128 39.8 27.9 41.9
54 53.0 41.2 61.8



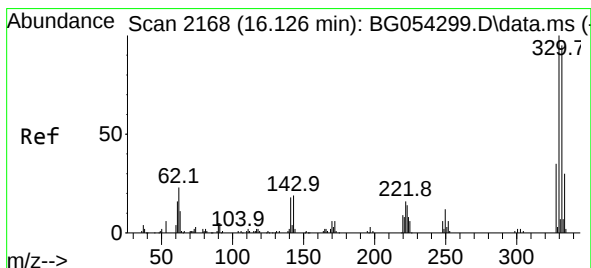
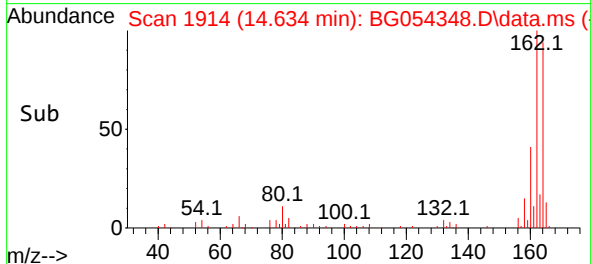
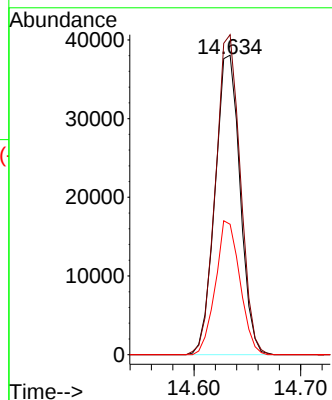


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.001 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Instrument :
BNA_G
ClientSampleId :
TR-05-072022

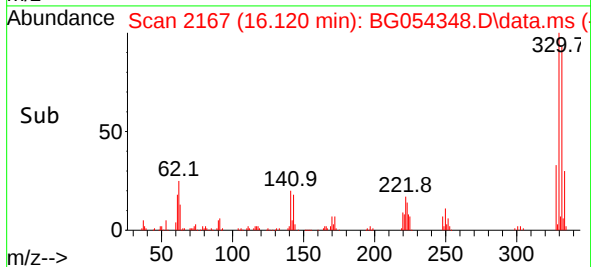
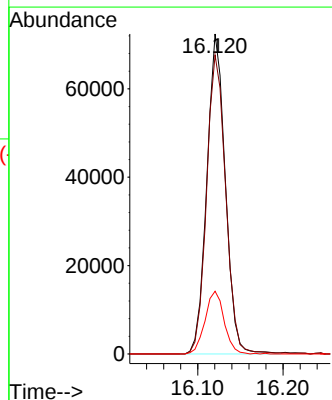
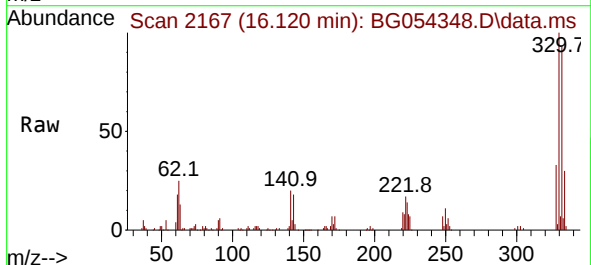


Tgt Ion:164 Resp: 61904
Ion Ratio Lower Upper
164 100
162 106.8 82.3 123.5
160 43.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 84.066 ng
RT: 16.120 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:330 Resp: 109265
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.2 27.1 40.7#

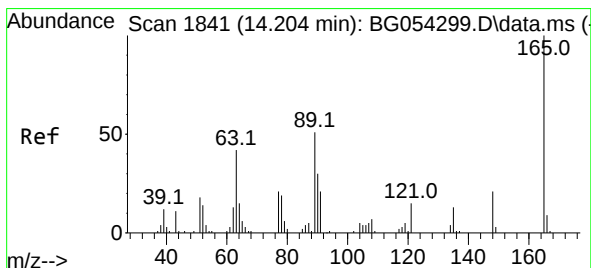
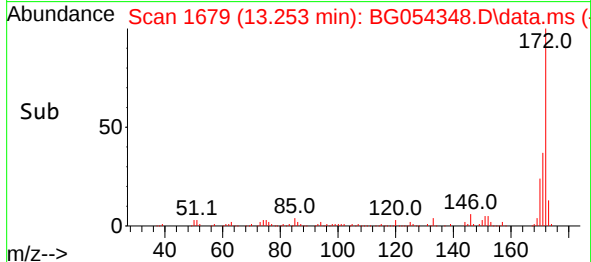
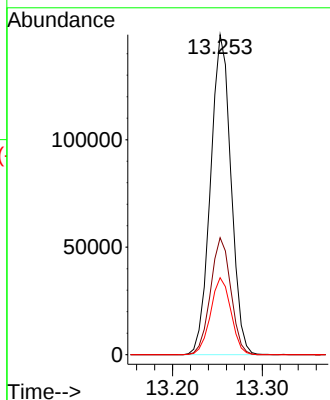
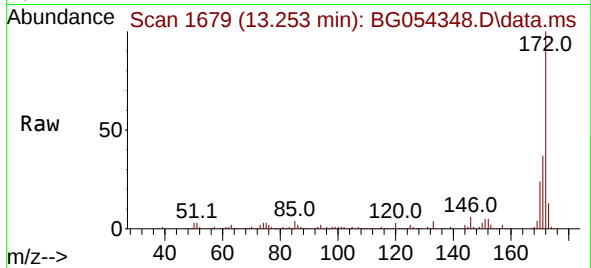




#45
2-Fluorobiphenyl
Concen: 53.696 ng
RT: 13.253 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

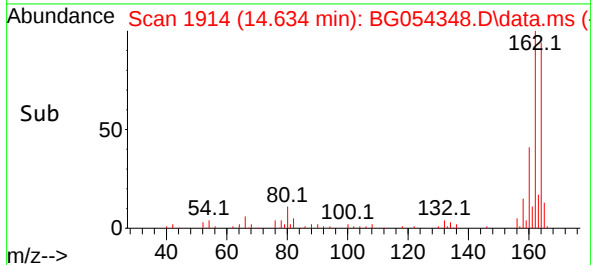
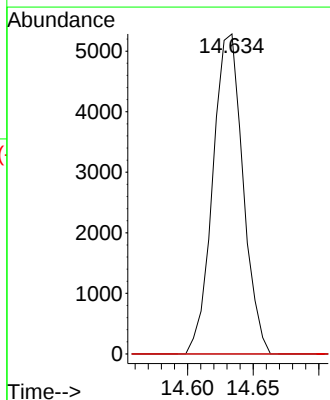
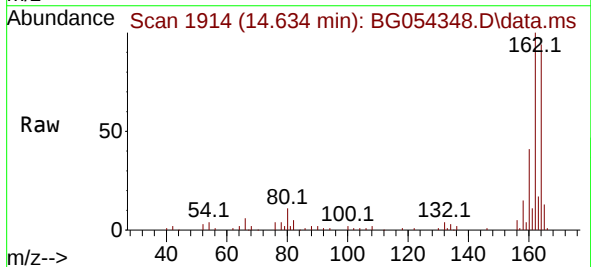
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

Tgt Ion:172 Resp: 235628
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.966 ng
RT: 14.634 min Scan# 1914
Delta R.T. 0.429 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:165 Resp: 8448
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: 5.556 ng

RT: 14.634 min Scan# 1976

Delta R.T. -0.364 min

Lab File: BG054348.D

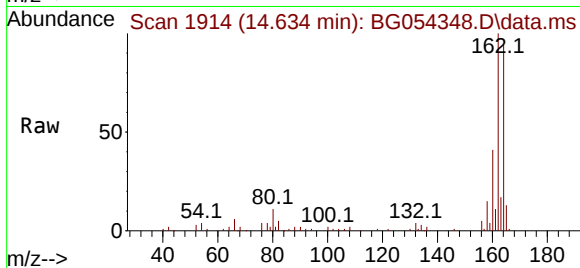
Acq: 21 Jul 2022 17:03

Instrument :

BNA_G

ClientSampleId :

TR-05-072022



Tgt Ion:165 Resp: 8448

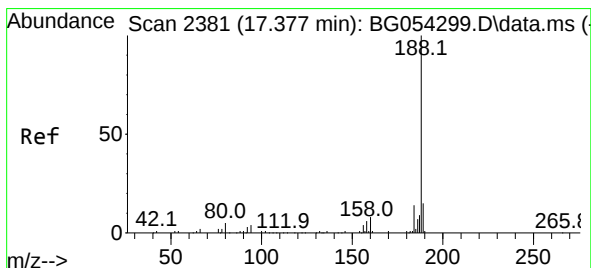
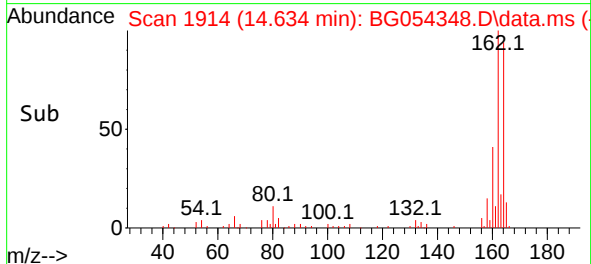
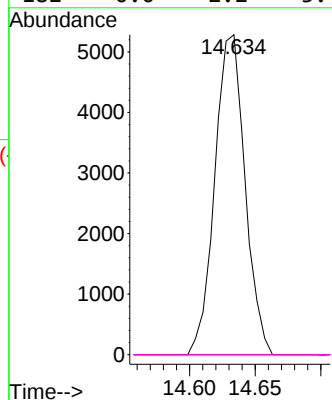
Ion Ratio Lower Upper

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: 17.378 min Scan# 2381

Delta R.T. 0.001 min

Lab File: BG054348.D

Acq: 21 Jul 2022 17:03

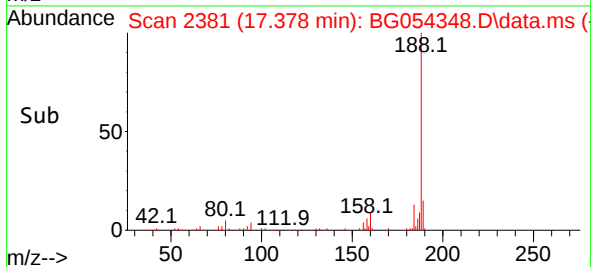
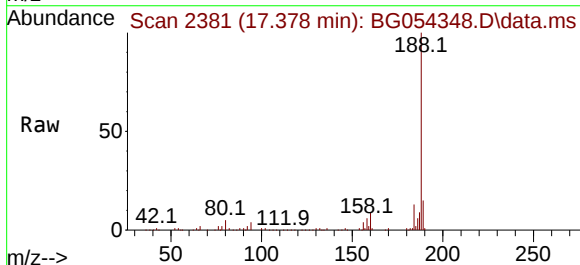
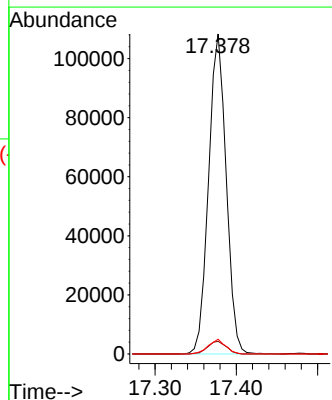
Tgt Ion:188 Resp: 162745

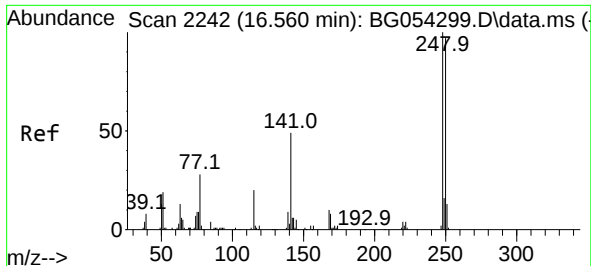
Ion Ratio Lower Upper

188 100

94 3.9 5.4 8.0#

80 4.6 6.8 10.2#

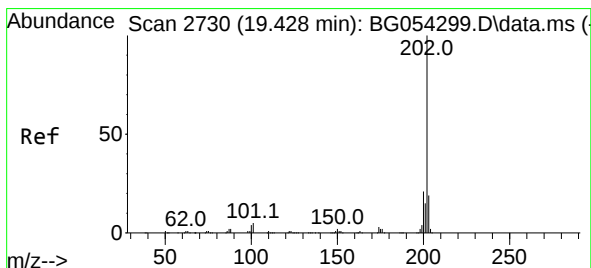
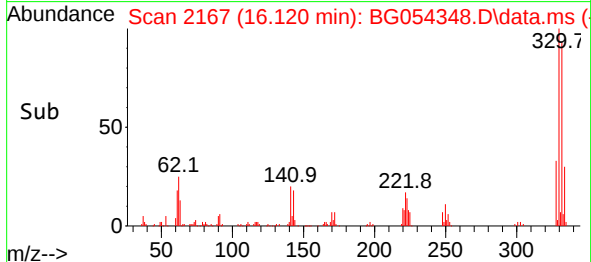
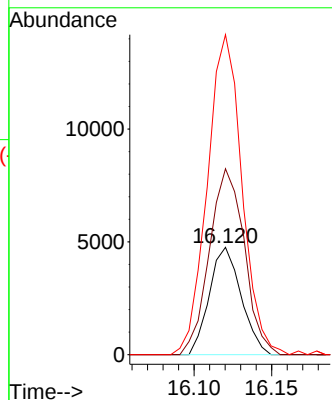
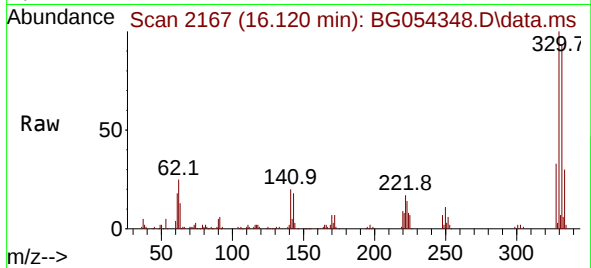




#67
4-Bromophenyl-phenylether
Concen: 2.970 ng
RT: 16.120 min Scan# 2167
Delta R.T. -0.440 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

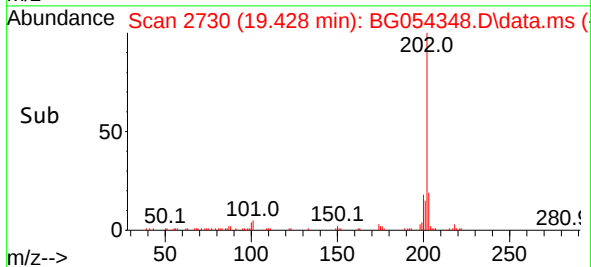
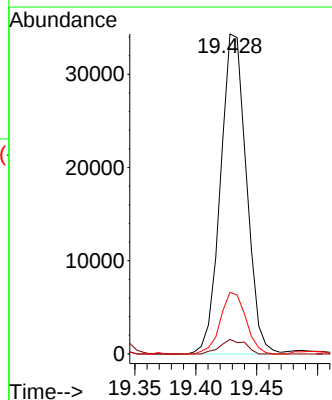
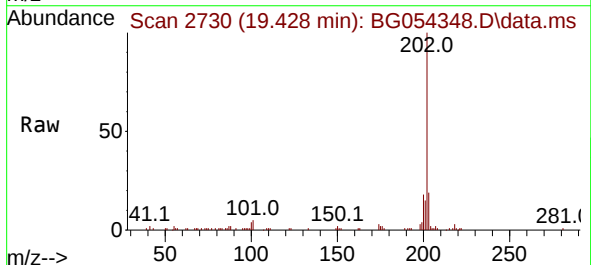
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

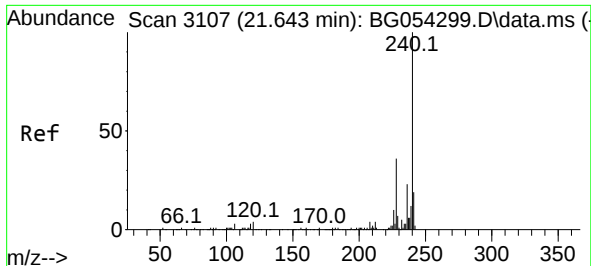
Tgt Ion:248 Resp: 6788
Ion Ratio Lower Upper
248 100
250 225.1 75.2 112.8#
141 298.2 50.0 75.0#



#75
Fluoranthene
Concen: 4.591 ng
RT: 19.428 min Scan# 2730
Delta R.T. 0.000 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:202 Resp: 50724
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.3 0.0 37.2

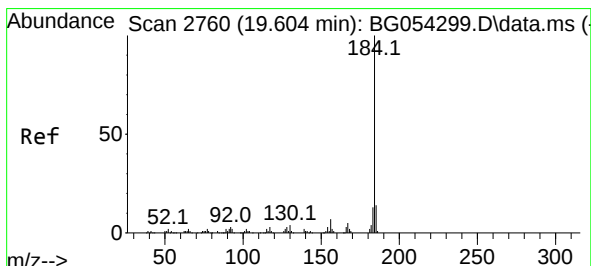
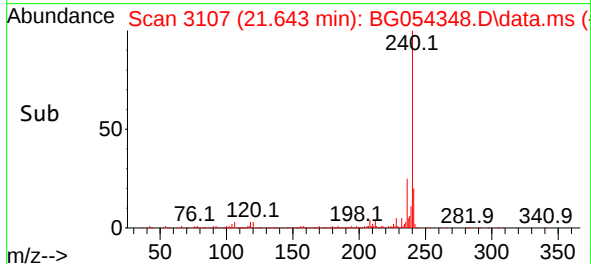
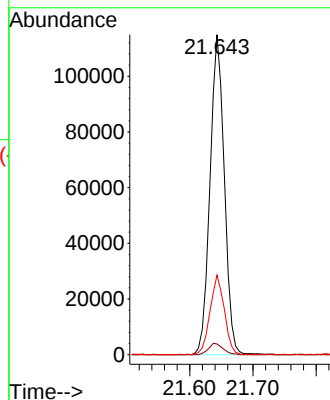
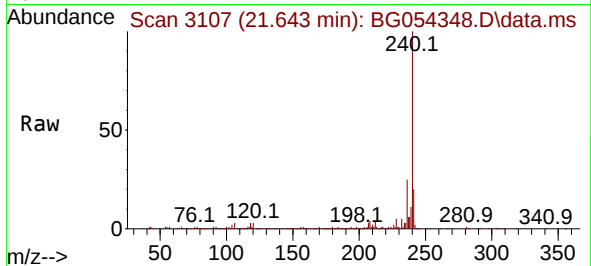




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.643 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

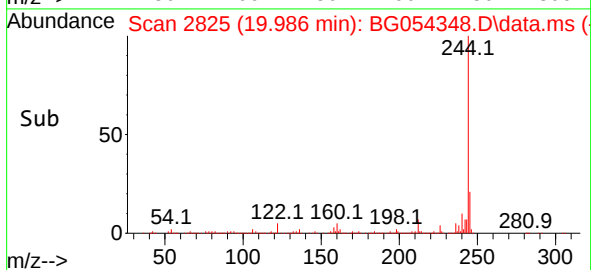
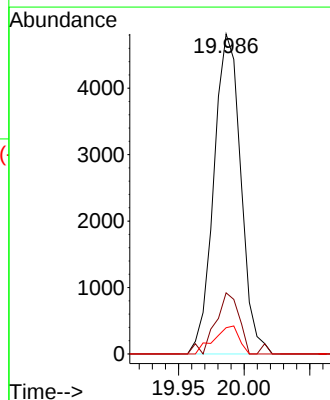
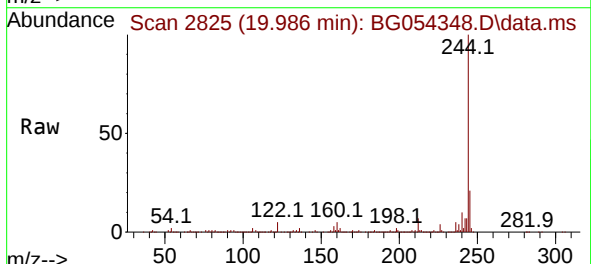
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

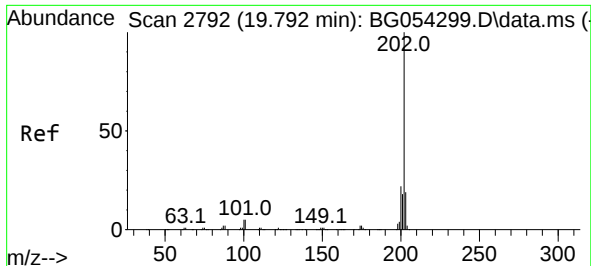
Tgt Ion:240 Resp: 181003
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 24.8 20.2 30.4



#77
Benzidine
Concen: 2.099 ng
RT: 19.986 min Scan# 2825
Delta R.T. 0.382 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:184 Resp: 6882
Ion Ratio Lower Upper
184 100
185 19.1 11.8 17.6#
183 8.2 8.9 13.3#

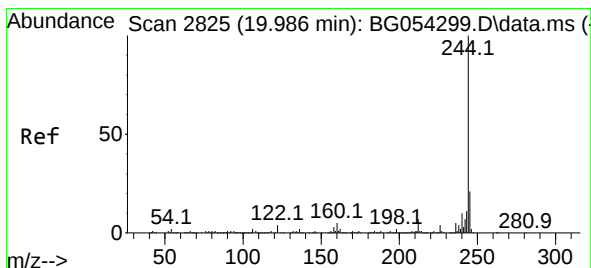
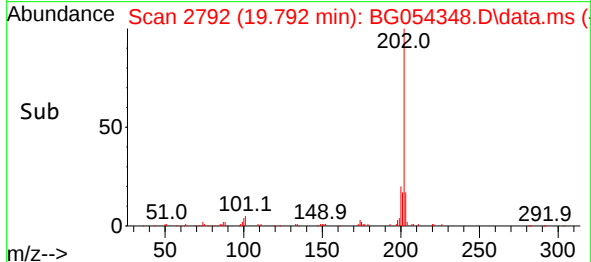
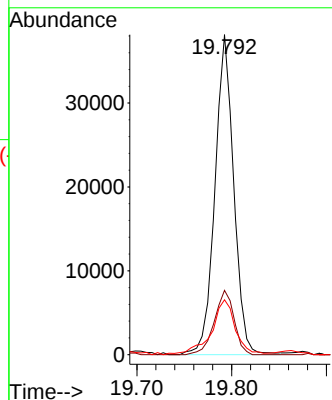
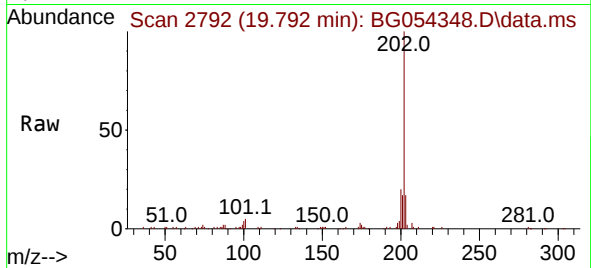




#78
 Pyrene
 Concen: 5.069 ng
 RT: 19.792 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

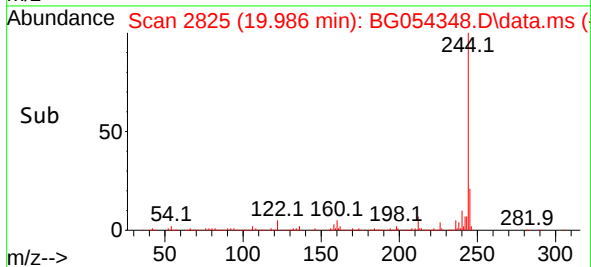
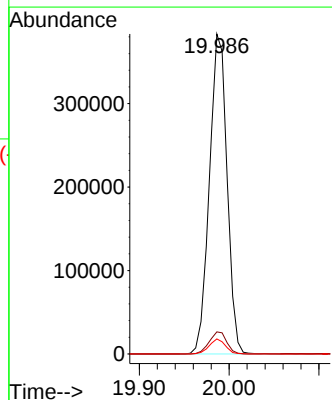
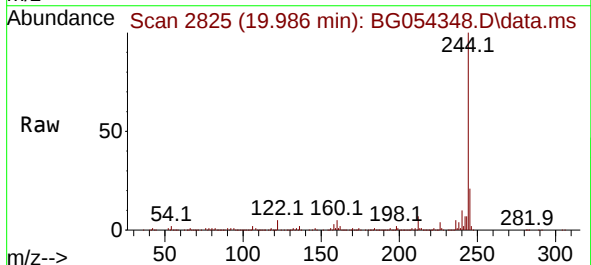
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-072022

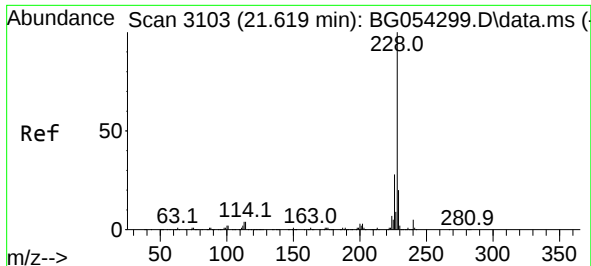
Tgt Ion:	202	Resp:	52644
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.6	24.8
203	17.2	14.6	21.8



#79
 Terphenyl-d14
 Concen: 57.232 ng
 RT: 19.986 min Scan# 2825
 Delta R.T. 0.000 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

Tgt Ion:	244	Resp:	522185
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.5	9.7
122	4.7	5.0	7.4

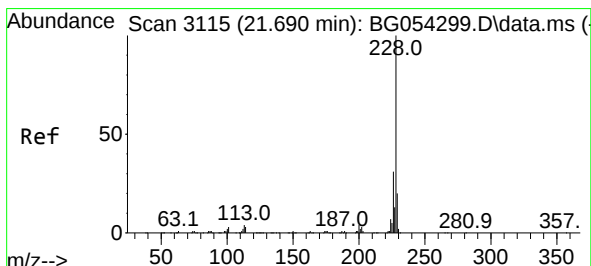
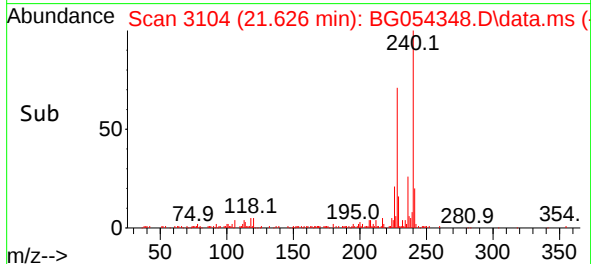
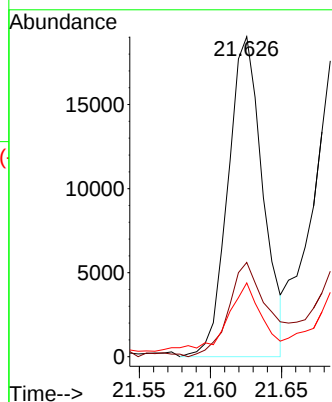
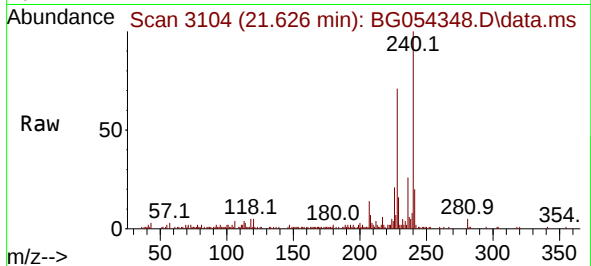




#81
Benzo(a)anthracene
Concen: 2.832 ng
RT: 21.626 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

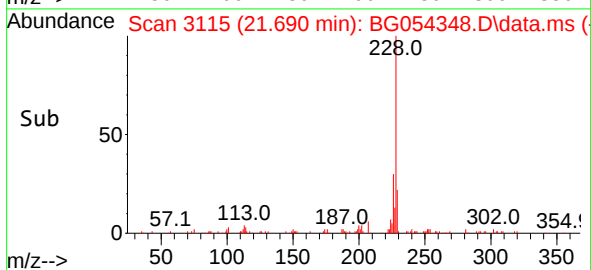
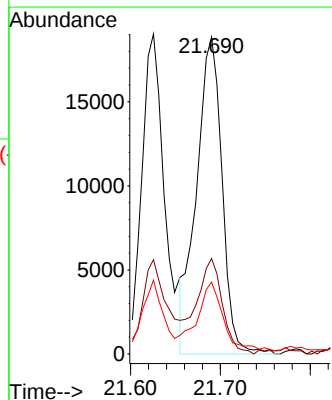
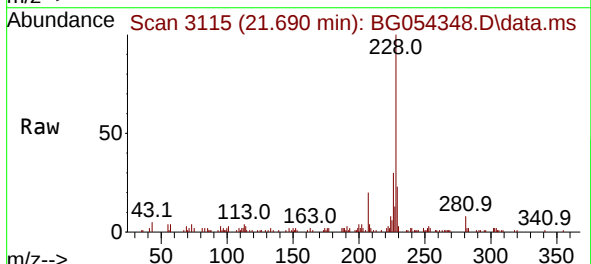
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

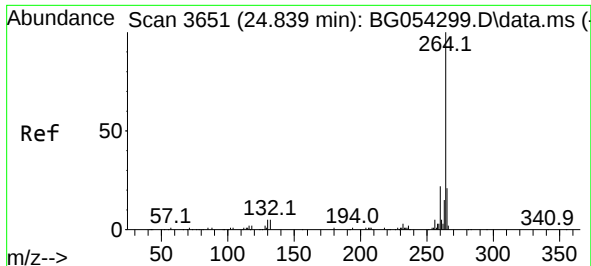
Tgt Ion:228 Resp: 32535
Ion Ratio Lower Upper
228 100
226 29.5 21.6 32.4
229 23.0 16.2 24.2



#83
Chrysene
Concen: 3.436 ng
RT: 21.690 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:228 Resp: 37302
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 22.7 15.5 23.3

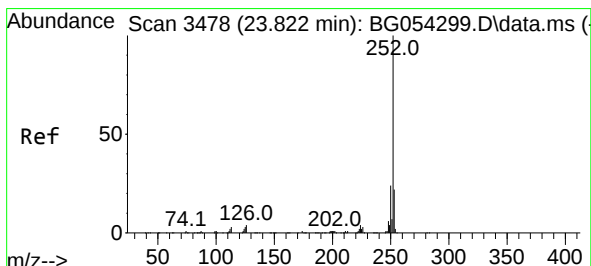
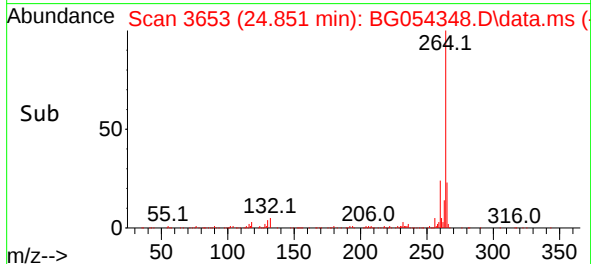
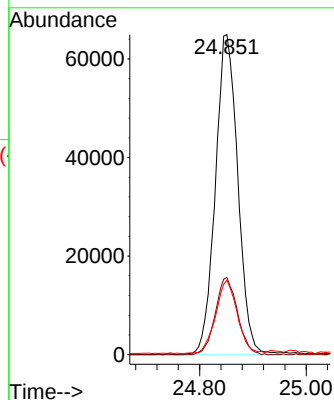
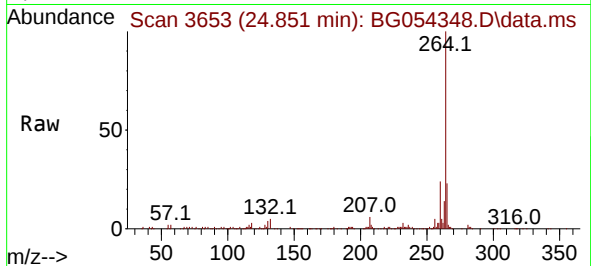




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.851 min Scan# 30
 Delta R.T. 0.012 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

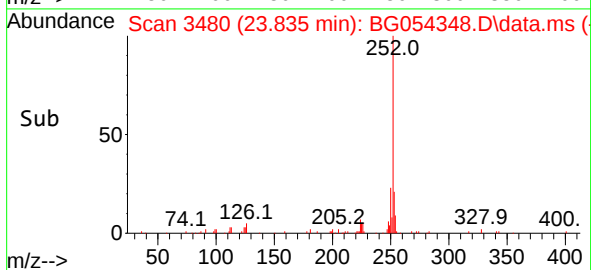
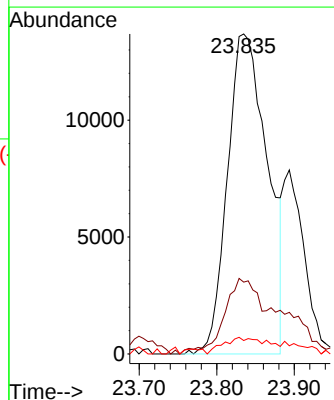
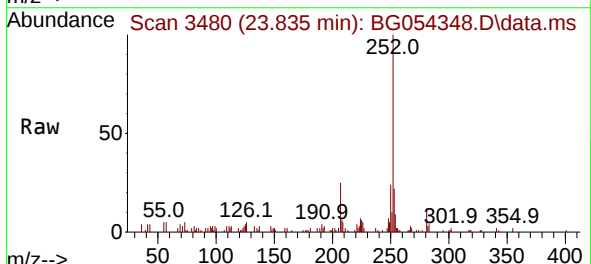
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-072022

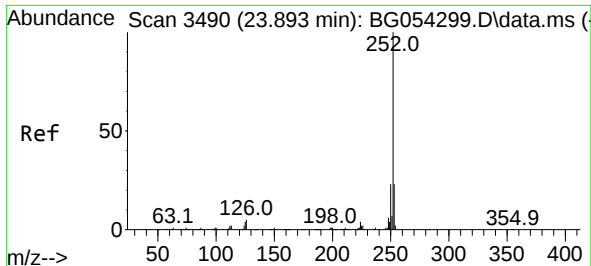
Tgt Ion:264 Resp: 190149
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 23.3 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 4.367 ng
 RT: 23.835 min Scan# 3480
 Delta R.T. 0.012 min
 Lab File: BG054348.D
 Acq: 21 Jul 2022 17:03

Tgt Ion:252 Resp: 49104
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.0 27.0
 125 4.2 4.6 6.8#

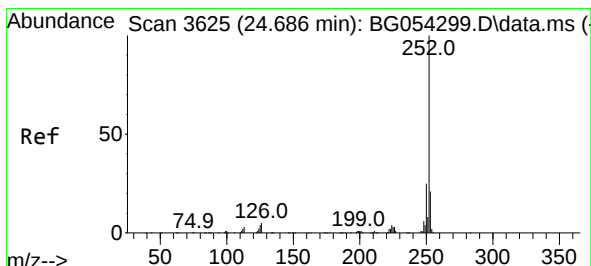
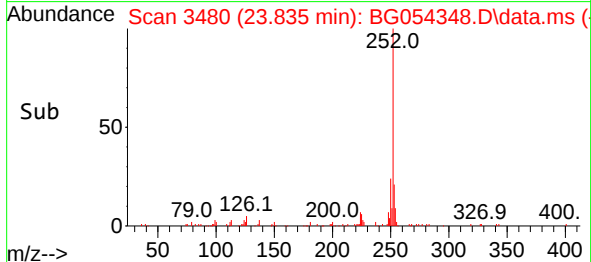
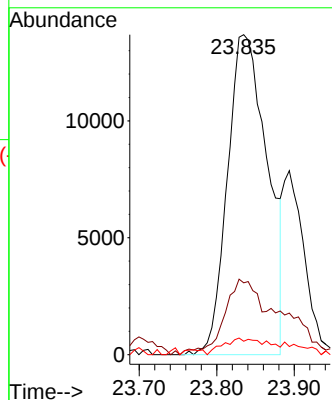
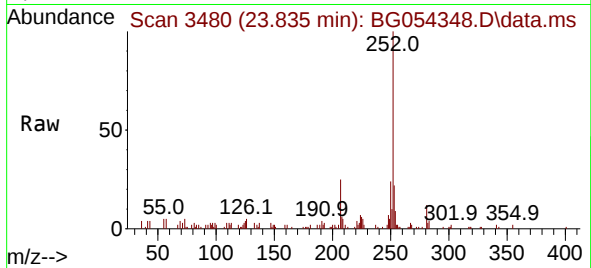




#89
Benzo(k)fluoranthene
Concen: 4.388 ng
RT: 23.835 min Scan# 34
Delta R.T. -0.058 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

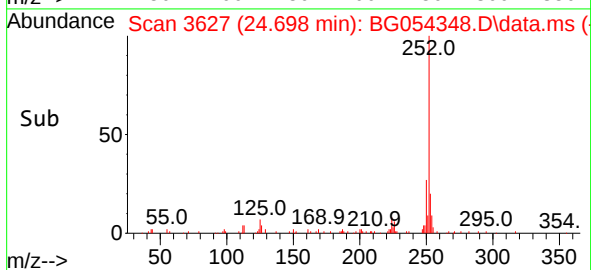
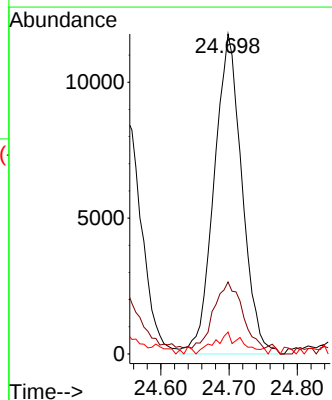
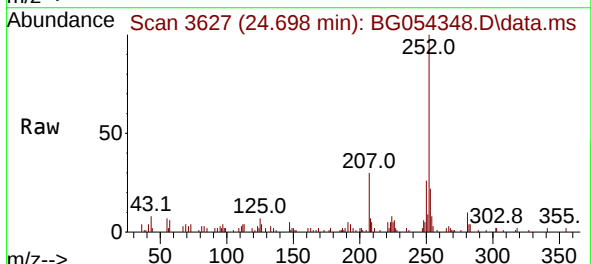
Instrument :
BNA_G
ClientSampleId :
TR-05-072022

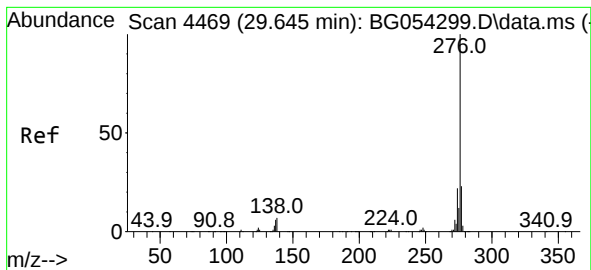
Tgt Ion:252 Resp: 49104
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 4.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.478 ng
RT: 24.698 min Scan# 3627
Delta R.T. 0.012 min
Lab File: BG054348.D
Acq: 21 Jul 2022 17:03

Tgt Ion:252 Resp: 33402
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 6.9 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 2.050 ng

RT: 29.663 min Scan# 44

Delta R.T. 0.018 min

Lab File: BG054348.D

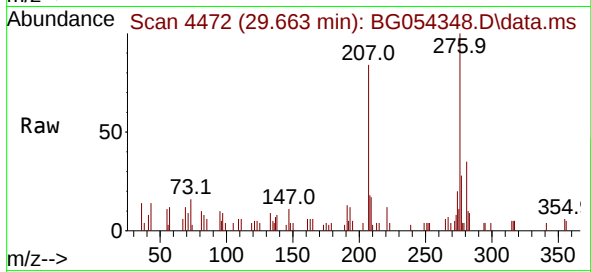
Acq: 21 Jul 2022 17:03

Instrument :

BNA_G

ClientSampleId :

TR-05-072022



Tgt Ion:276 Resp: 24069

Ion Ratio Lower Upper

276 100

277 27.8 17.3 25.9#

138 7.7 9.6 14.4#

