

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054345.D
 Acq On : 21 Jul 2022 14:54
 Operator : CG/JU
 Sample : N3810-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

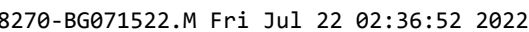
Quant Time: Jul 22 02:36:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

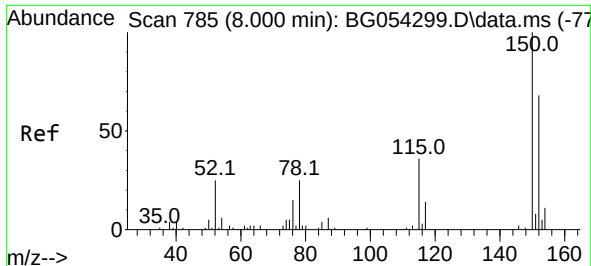
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.997	152	18248	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	71250	20.000	ng	# 0.00
39) Acenaphthene-d10	14.636	164	58406	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	154105	20.000	ng	# 0.00
76) Chrysene-d12	21.645	240	173204	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	184372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	84915	97.157	ng	0.00
7) Phenol-d6	7.174	99	118923	99.302	ng	0.00
23) Nitrobenzene-d5	9.160	82	76021	58.104	ng	0.00
42) 2,4,6-Tribromophenol	16.122	330	112518	91.753	ng	0.00
45) 2-Fluorobiphenyl	13.255	172	220885	53.351	ng	0.00
79) Terphenyl-d14	19.988	244	473330	54.213	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.174	77	134	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.160	70	10240	12.804	ng	# 77
51) 2,6-Dinitrotoluene	14.636	165	8112	8.107	ng	# 16
57) 2,4-Dinitrotoluene	14.636	165	8112	5.655	ng	# 21
67) 4-Bromophenyl-phenylether	16.122	248	6839	3.160	ng	# 1
71) Phenanthrene	17.415	178	29285	3.816	ng	97
72) Anthracene	17.415	178	29285	3.889	ng	95
75) Fluoranthene	19.430	202	59726	5.709	ng	97
78) Pyrene	19.795	202	54366	5.470	ng	98
81) Benzo(a)anthracene	21.692	228	35986	3.273	ng	97
83) Chrysene	21.692	228	35986	3.464	ng	96
88) Benzo(b)fluoranthene	23.837	252	53783	4.933	ng	# 98
89) Benzo(k)fluoranthene	23.837	252	53783	4.956	ng	# 99
90) Benzo(a)pyrene	24.701	252	35306	3.792	ng	95

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

Quant Time: Jul 22 02:36:49 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

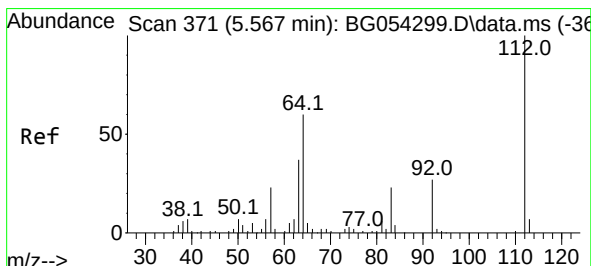
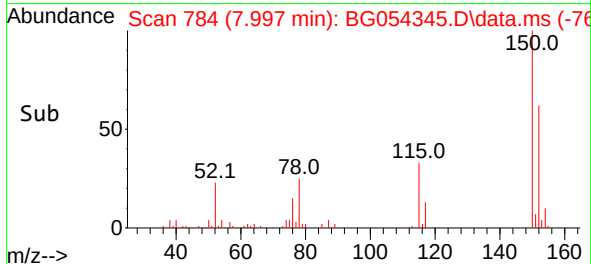
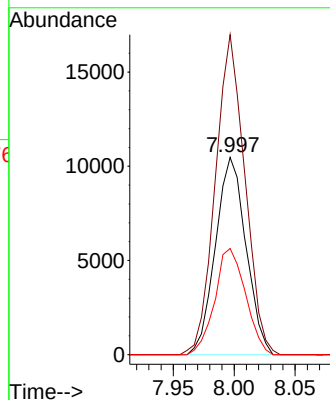
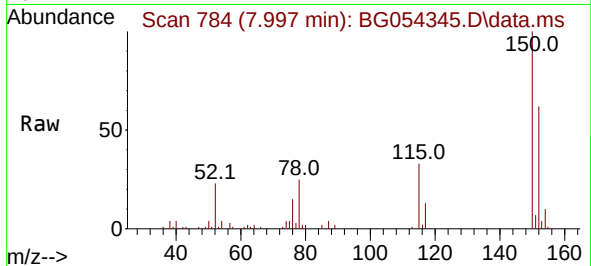




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.997 min Scan# 785
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

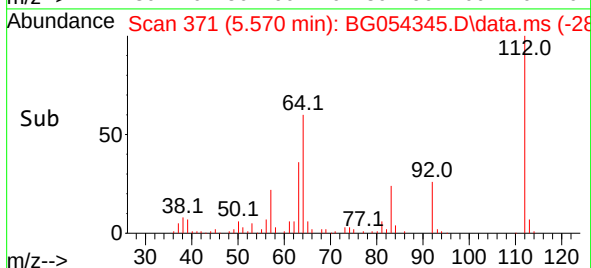
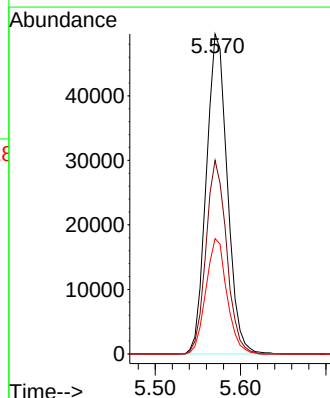
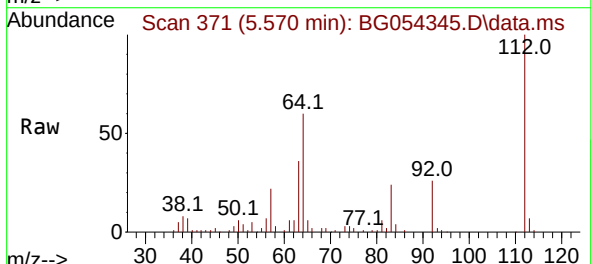
Instrument :
BNA_G
ClientSampleId :
COMP-1

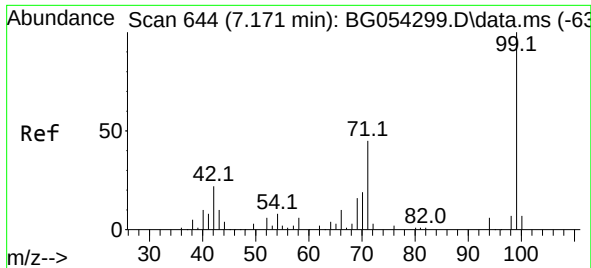
Tgt Ion:152 Resp: 18248
Ion Ratio Lower Upper
152 100
150 162.2 131.6 197.4
115 53.9 50.9 76.3



#5
2-Fluorophenol
Concen: 97.157 ng
RT: 5.570 min Scan# 371
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:112 Resp: 84915
Ion Ratio Lower Upper
112 100
64 60.5 55.1 82.7
63 36.0 30.4 45.6

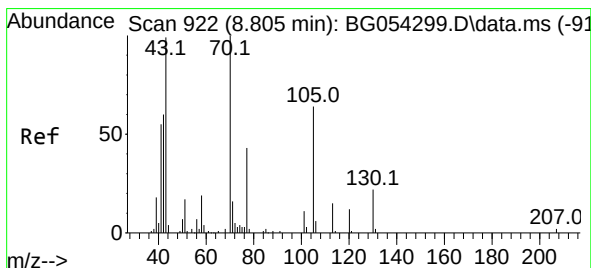
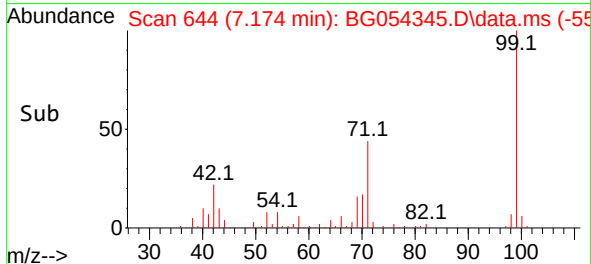
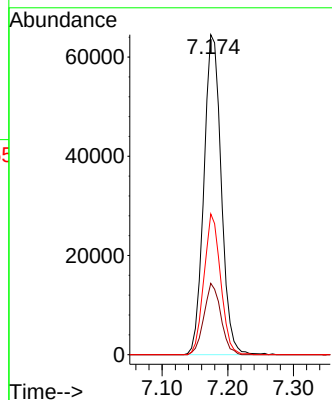
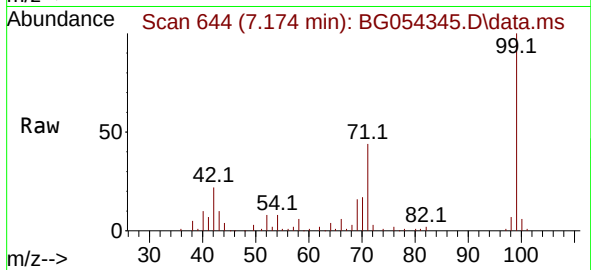




#7
Phenol-d6
Concen: 99.302 ng
RT: 7.174 min Scan# 644
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

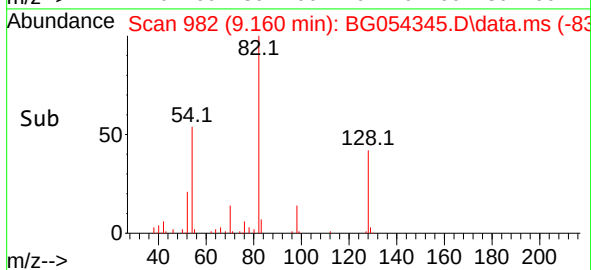
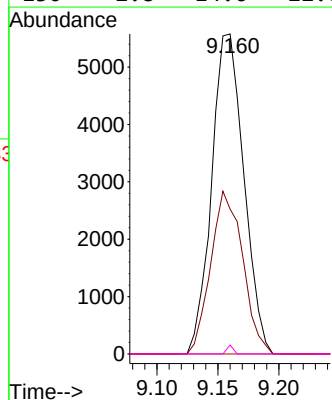
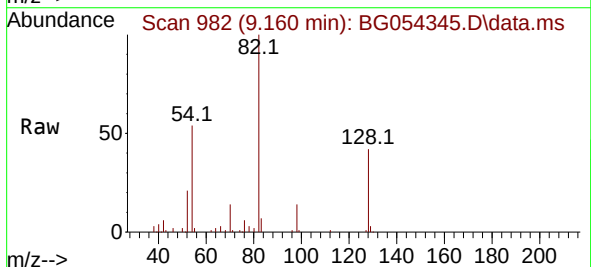
Instrument :
BNA_G
ClientSampleId :
COMP-1

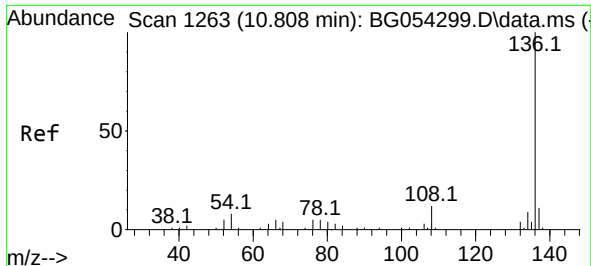
Tgt Ion: 99 Resp: 118923
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 44.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.804 ng
RT: 9.160 min Scan# 982
Delta R.T. 0.355 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion: 70 Resp: 10240
Ion Ratio Lower Upper
70 100
42 45.3 47.3 70.9#
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#

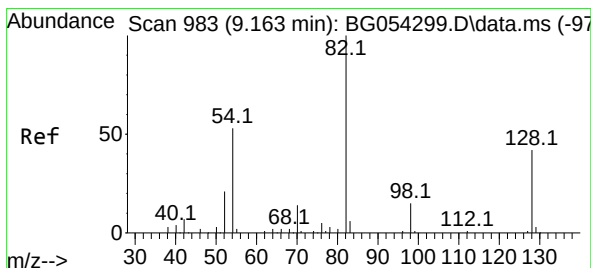
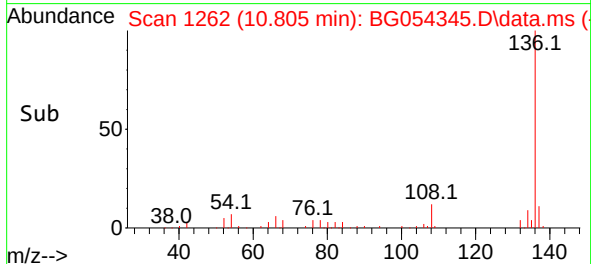
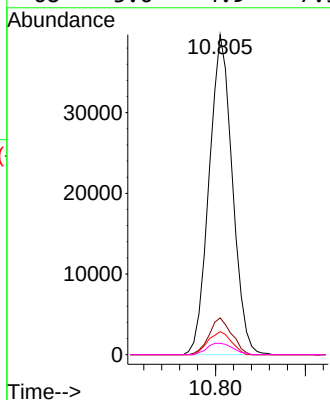
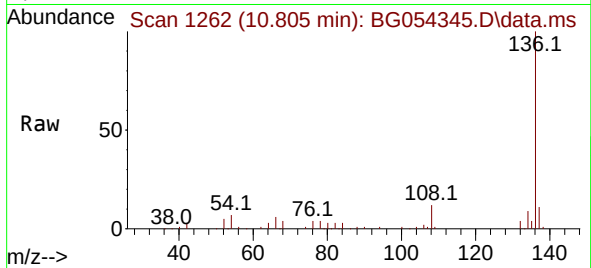




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.805 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

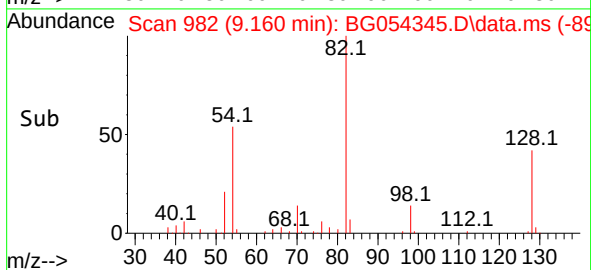
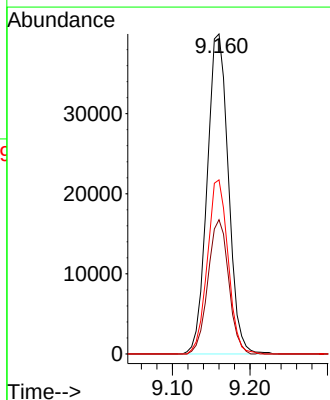
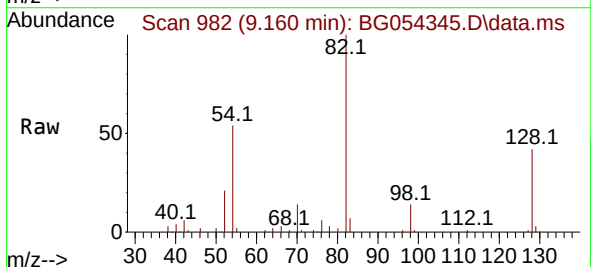
Instrument :
BNA_G
ClientSampleId :
COMP-1

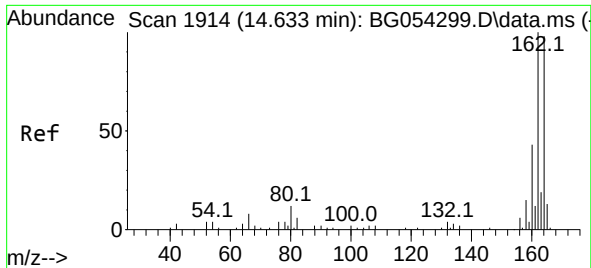
Tgt Ion:	136	Resp:	71250
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.2	7.4	11.2#
68	3.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 58.104 ng
RT: 9.160 min Scan# 982
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:	82	Resp:	76021
Ion Ratio	Lower	Upper	
82	100		
128	41.9	27.9	41.9#
54	54.4	41.2	61.8

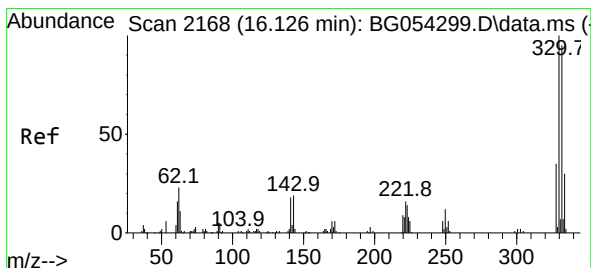
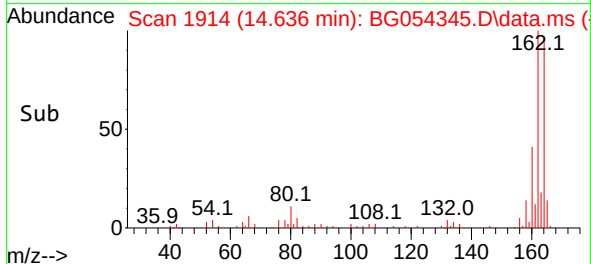
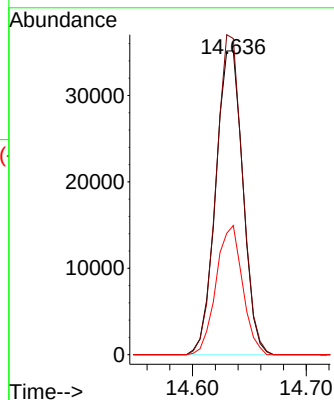
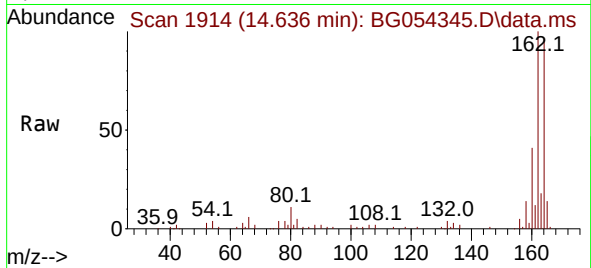




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.636 min Scan# 1914
Delta R.T. 0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

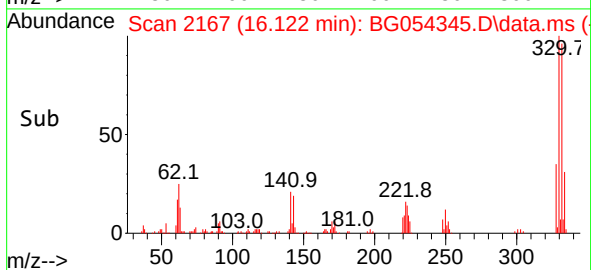
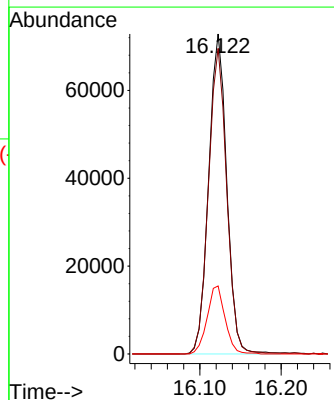
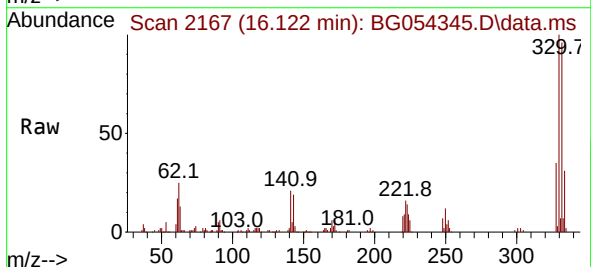
Instrument :
BNA_G
ClientSampleId :
COMP-1

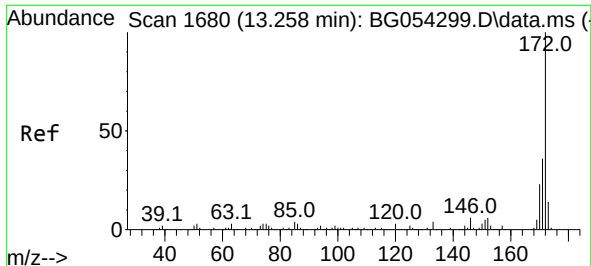
Tgt Ion:164 Resp: 58406
Ion Ratio Lower Upper
164 100
162 104.0 82.3 123.5
160 42.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 91.753 ng
RT: 16.122 min Scan# 2167
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:330 Resp: 112518
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 21.1 27.1 40.7#

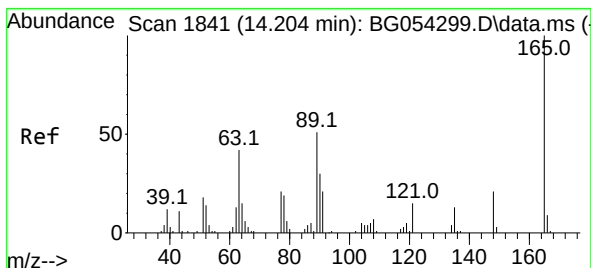
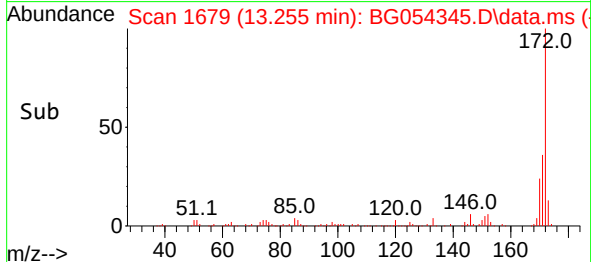
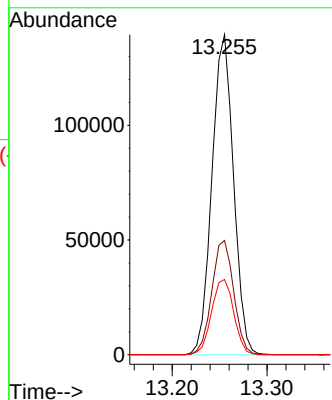
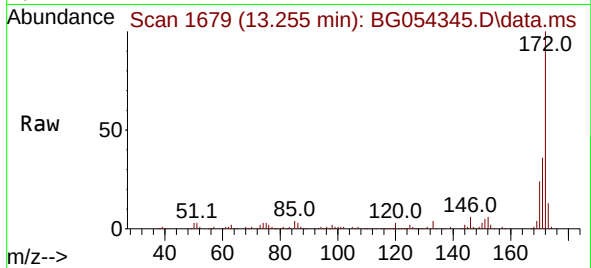




#45
2-Fluorobiphenyl
Concen: 53.351 ng
RT: 13.255 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

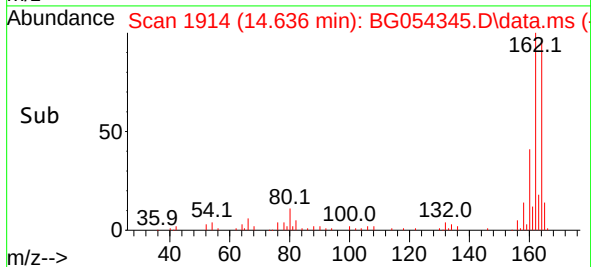
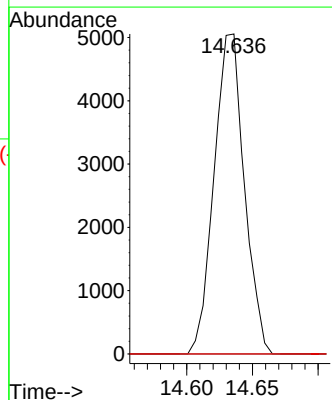
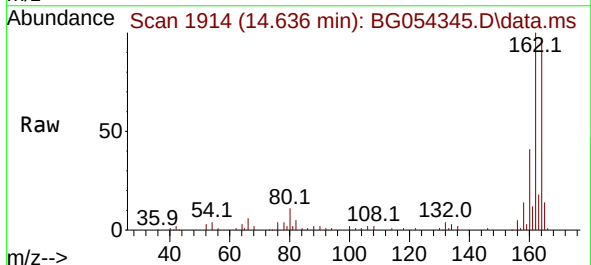
Instrument :
BNA_G
ClientSampleId :
COMP-1

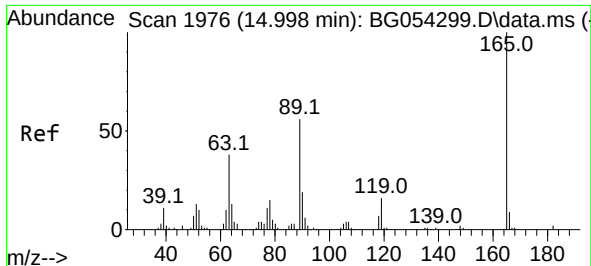
Tgt Ion:172 Resp: 220885
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.107 ng
RT: 14.636 min Scan# 1914
Delta R.T. 0.432 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:165 Resp: 8112
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: 5.655 ng

RT: 14.636 min Scan# 1976

Delta R.T. -0.362 min

Lab File: BG054345.D

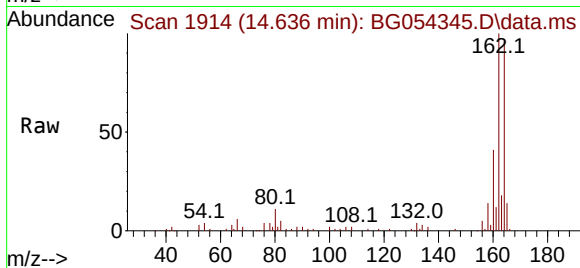
Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

COMP-1



Tgt Ion:165 Resp: 8112

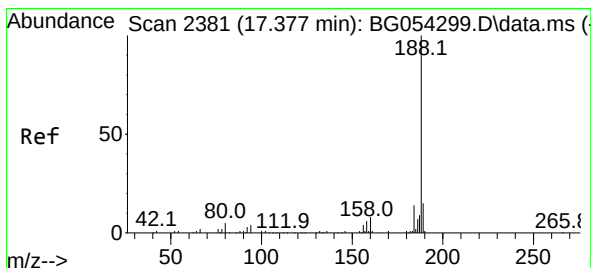
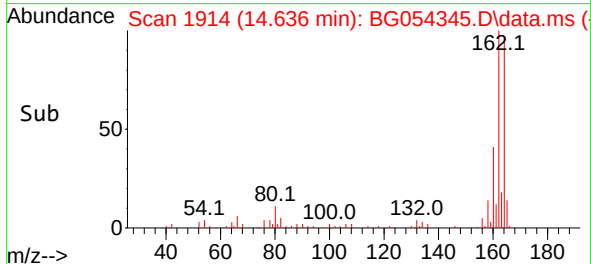
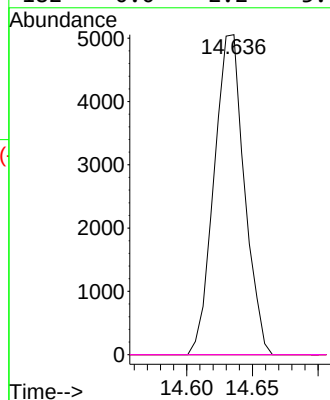
Ion Ratio Lower Upper

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: 17.380 min Scan# 2381

Delta R.T. 0.003 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

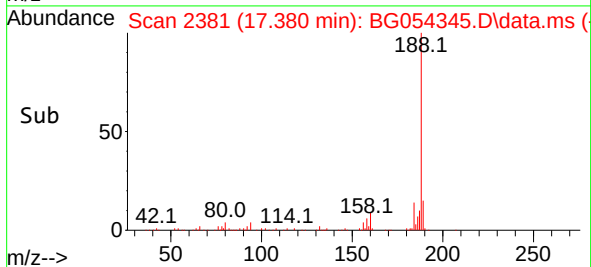
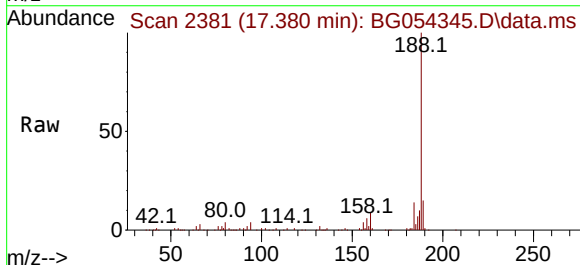
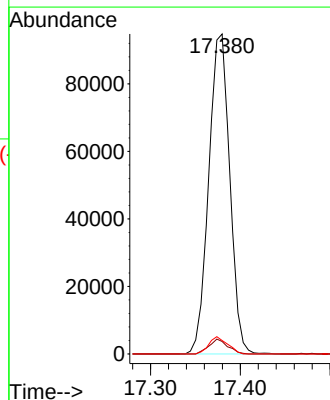
Tgt Ion:188 Resp: 154105

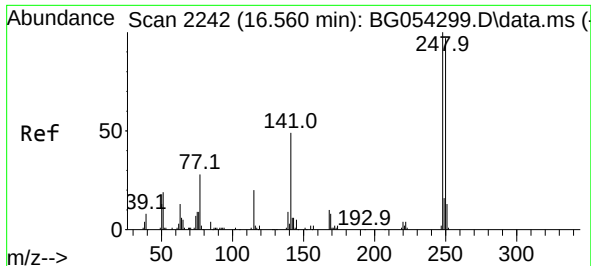
Ion Ratio Lower Upper

188 100

94 3.9 5.4 8.0#

80 4.2 6.8 10.2#

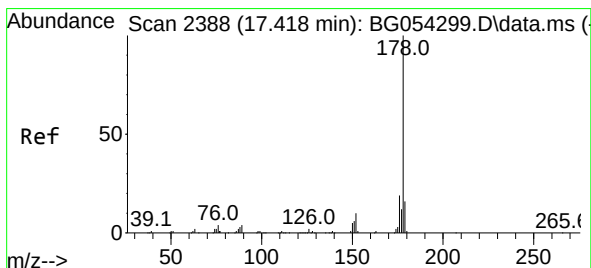
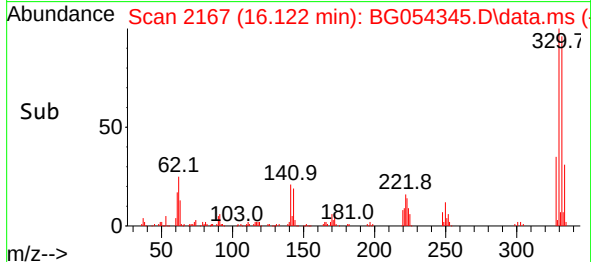
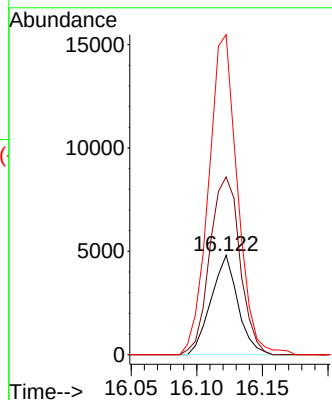
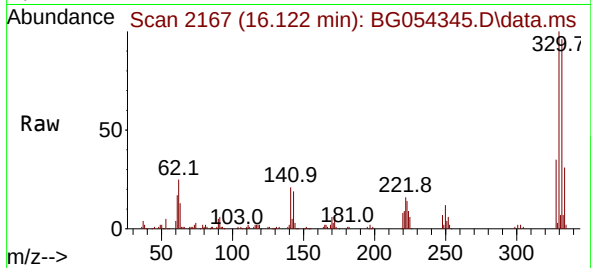




#67
4-Bromophenyl-phenylether
Concen: 3.160 ng
RT: 16.122 min Scan# 2167
Delta R.T. -0.438 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

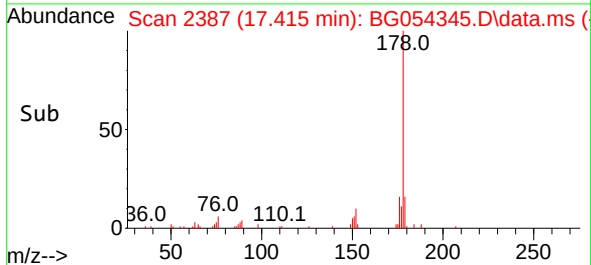
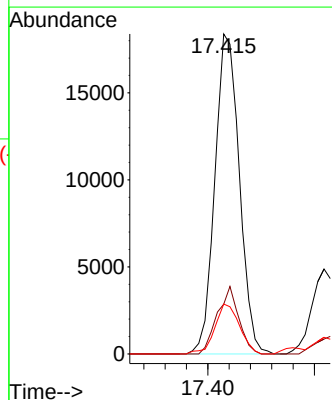
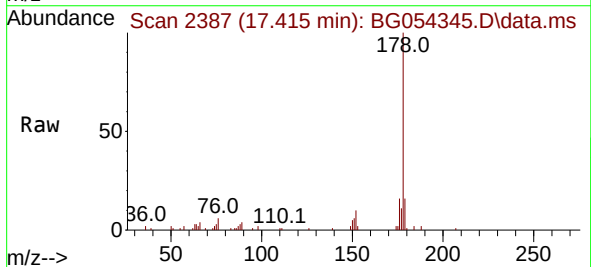
Instrument :
BNA_G
ClientSampleId :
COMP-1

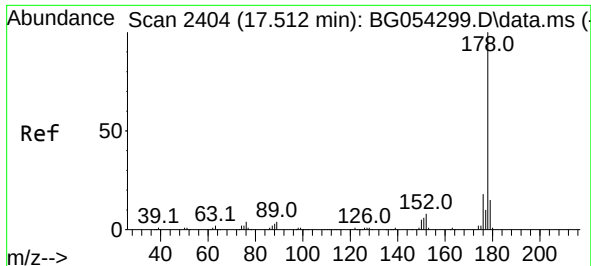
Tgt Ion:248 Resp: 6839
Ion Ratio Lower Upper
248 100
250 137.5 75.2 112.8#
141 247.6 50.0 75.0#



#71
Phenanthrene
Concen: 3.816 ng
RT: 17.415 min Scan# 2387
Delta R.T. -0.003 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:178 Resp: 29285
Ion Ratio Lower Upper
178 100
176 15.5 14.1 21.1
179 15.6 12.1 18.1

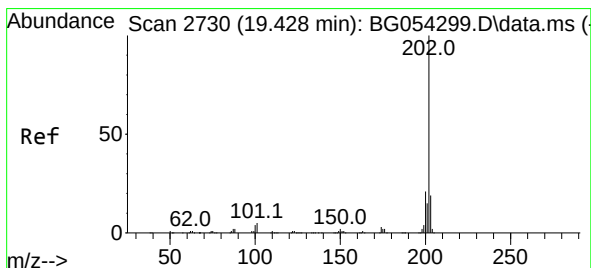
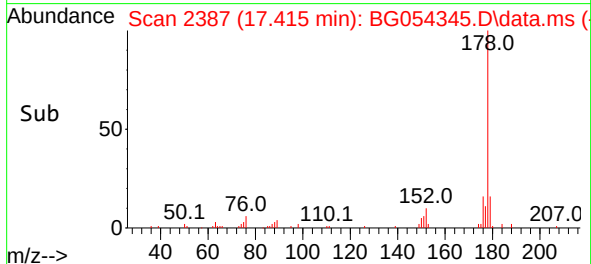
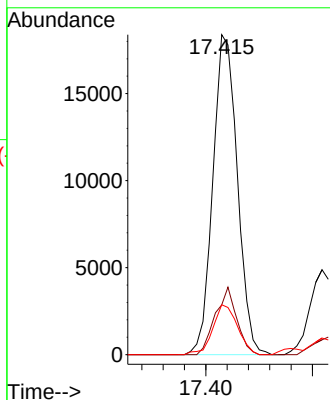
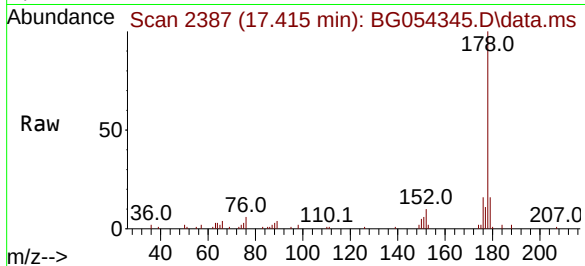




#72
 Anthracene
 Concen: 3.889 ng
 RT: 17.415 min Scan# 21
 Delta R.T. -0.097 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54

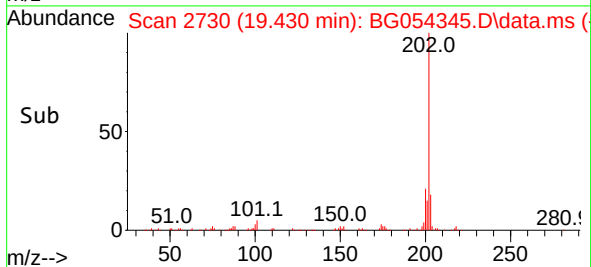
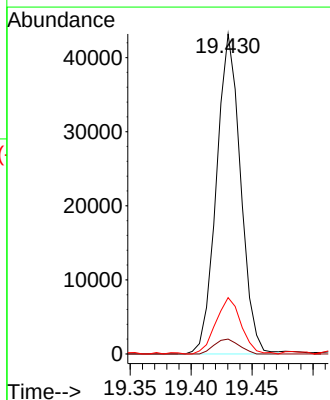
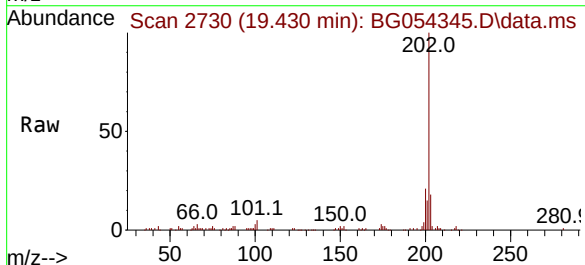
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

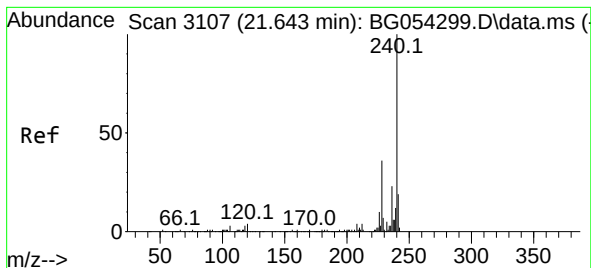
Tgt Ion:178 Resp: 29285
 Ion Ratio Lower Upper
 178 100
 176 15.5 15.2 22.8
 179 15.6 13.0 19.4



#75
 Fluoranthene
 Concen: 5.709 ng
 RT: 19.430 min Scan# 2730
 Delta R.T. 0.003 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54

Tgt Ion:202 Resp: 59726
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 17.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3107

Delta R.T. 0.002 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

COMP-1

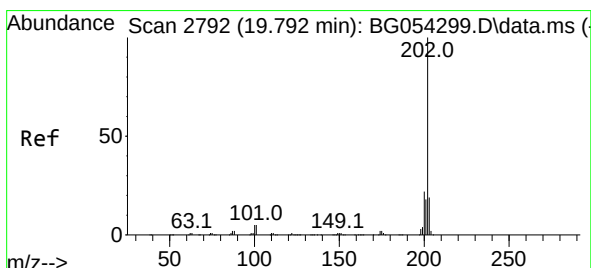
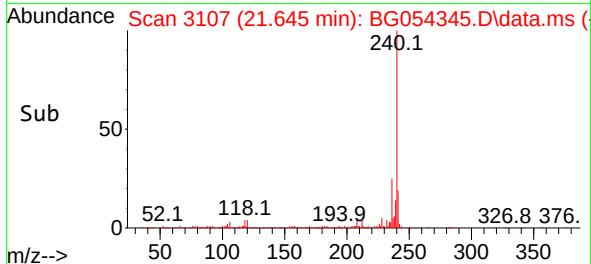
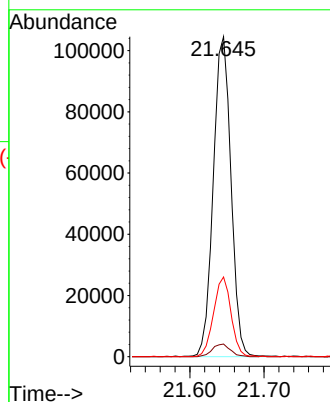
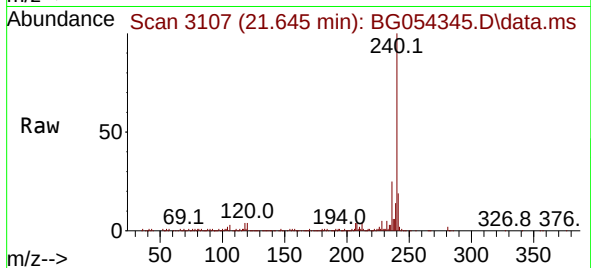
Tgt Ion:240 Resp: 173204

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0#

236 24.9 20.2 30.4



#78

Pyrene

Concen: 5.470 ng

RT: 19.795 min Scan# 2792

Delta R.T. 0.003 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

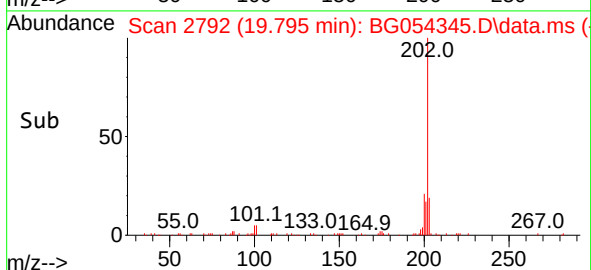
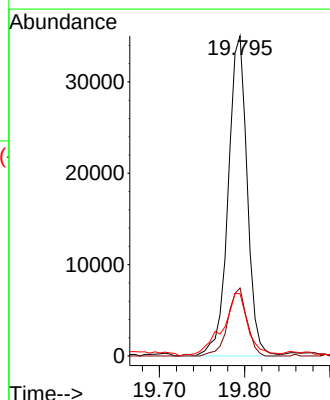
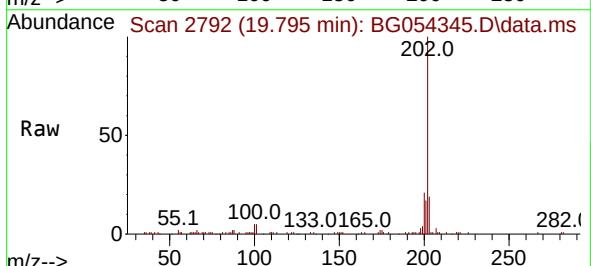
Tgt Ion:202 Resp: 54366

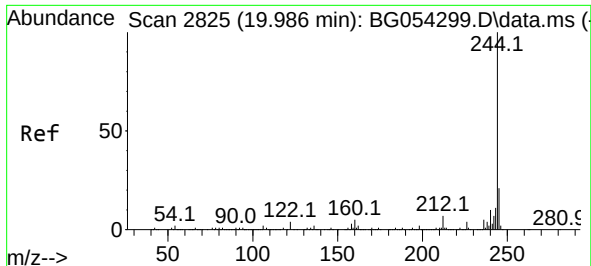
Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 19.4 14.6 21.8

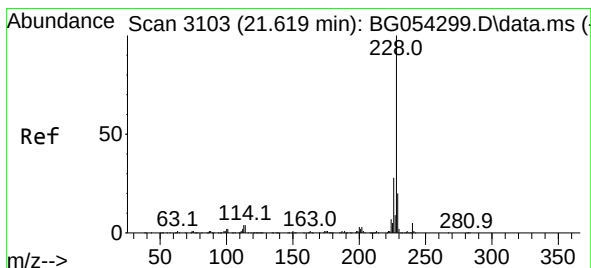
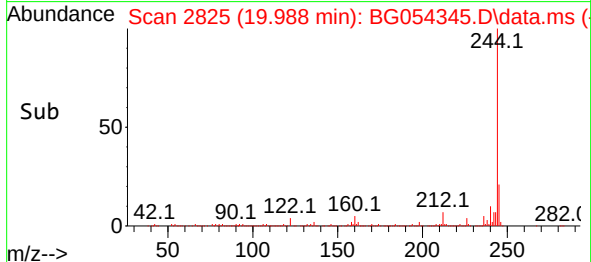
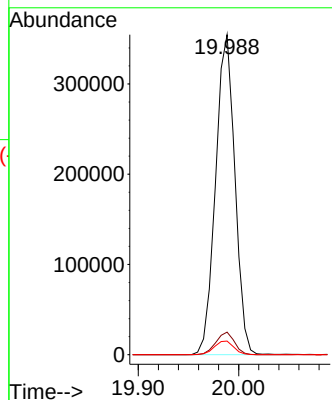
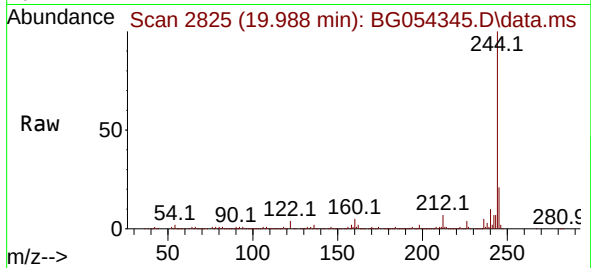




#79
 Terphenyl-d14
 Concen: 54.213 ng
 RT: 19.988 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54

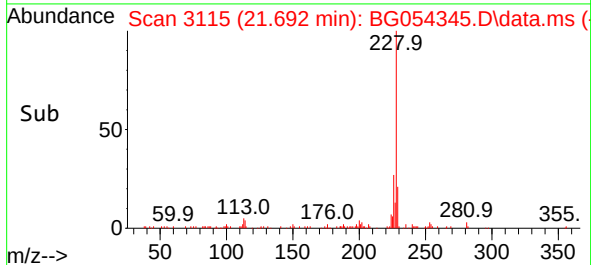
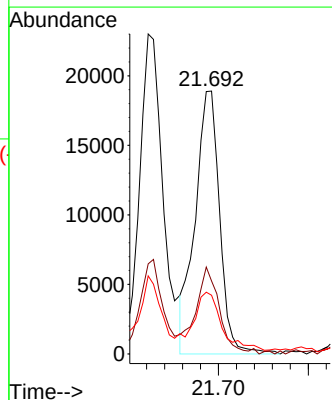
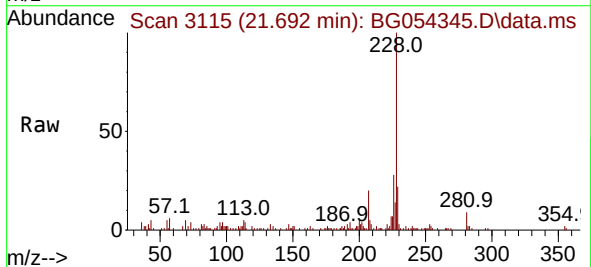
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

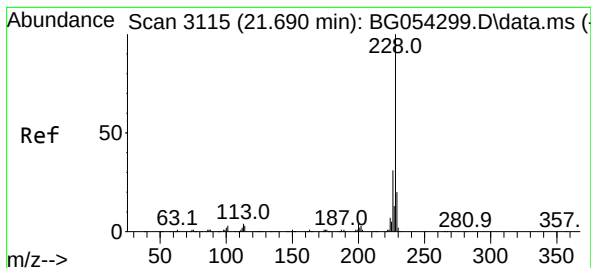
Tgt Ion:244 Resp: 473330
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.273 ng
 RT: 21.692 min Scan# 3115
 Delta R.T. 0.073 min
 Lab File: BG054345.D
 Acq: 21 Jul 2022 14:54

Tgt Ion:228 Resp: 35986
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 22.3 16.2 24.2





#83

Chrysene

Concen: 3.464 ng

RT: 21.692 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

COMP-1

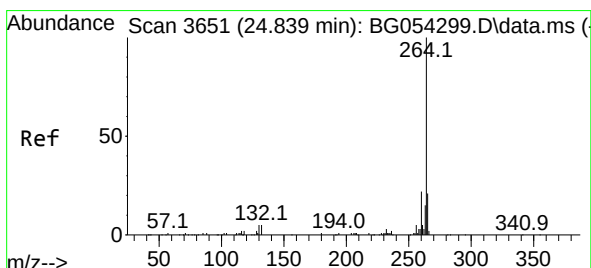
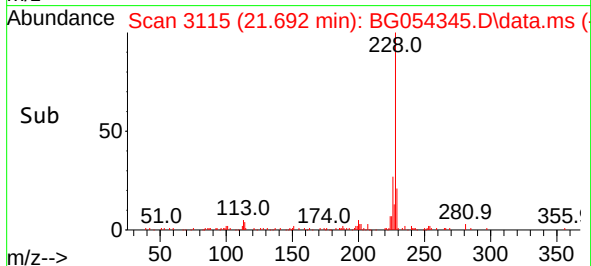
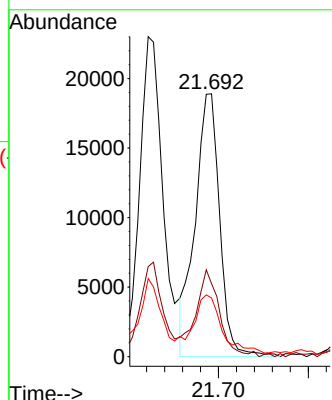
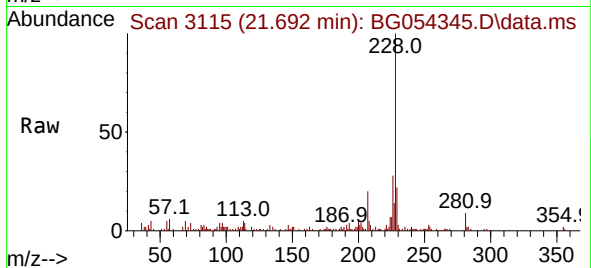
Tgt Ion:228 Resp: 35986

Ion Ratio Lower Upper

228 100

226 27.8 23.4 35.2

229 22.3 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.847 min Scan# 3652

Delta R.T. 0.009 min

Lab File: BG054345.D

Acq: 21 Jul 2022 14:54

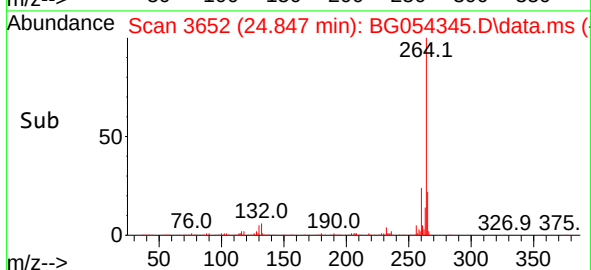
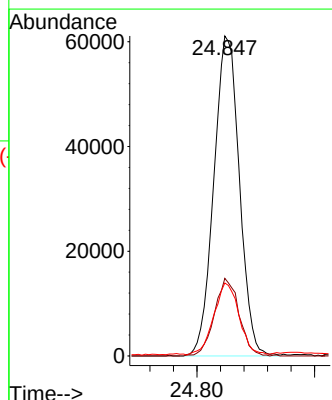
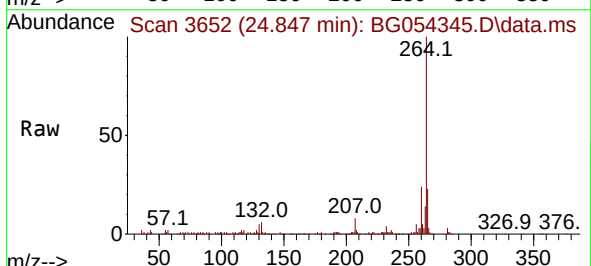
Tgt Ion:264 Resp: 184372

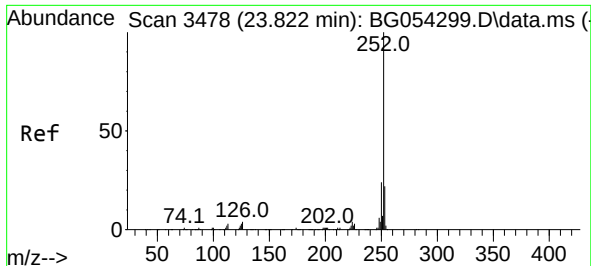
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.8 17.4 26.2

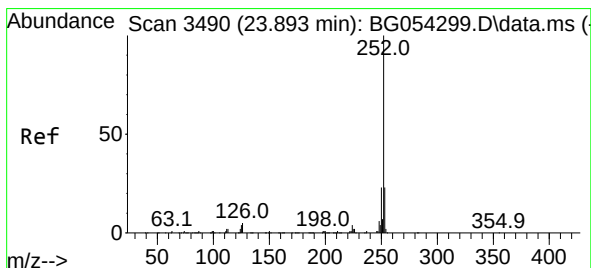
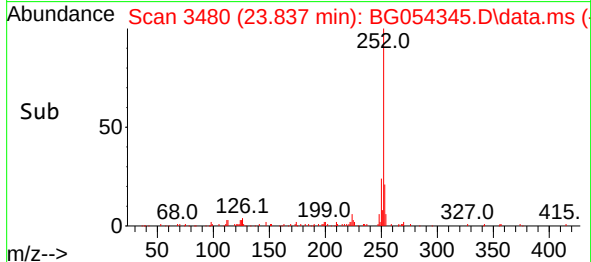
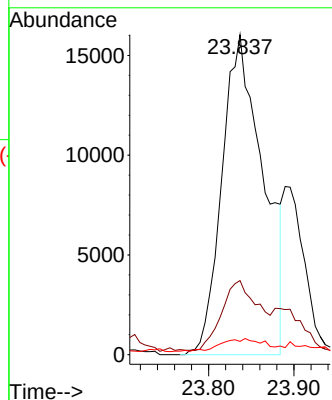
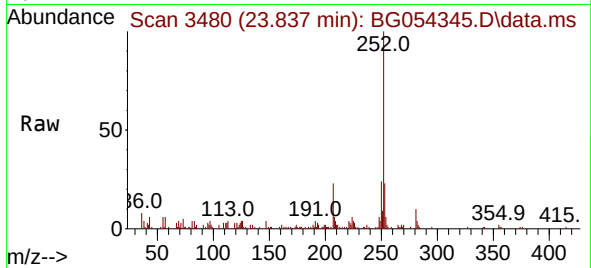




#88
Benzo(b)fluoranthene
Concen: 4.933 ng
RT: 23.837 min Scan# 3478
Delta R.T. 0.014 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

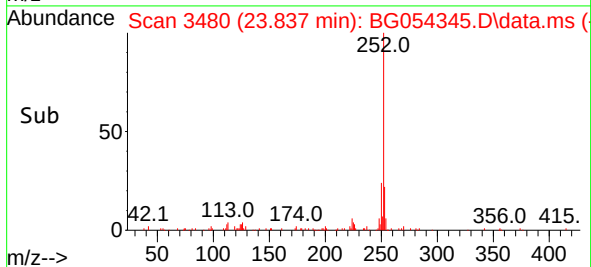
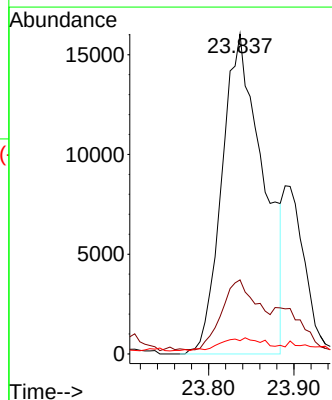
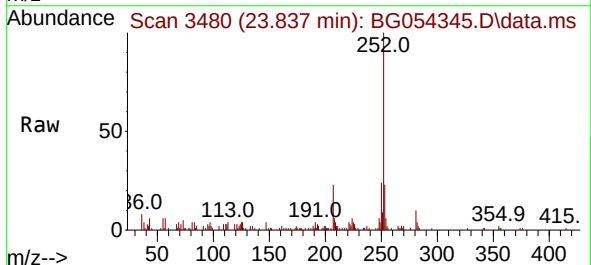
Instrument :
BNA_G
ClientSampleId :
COMP-1

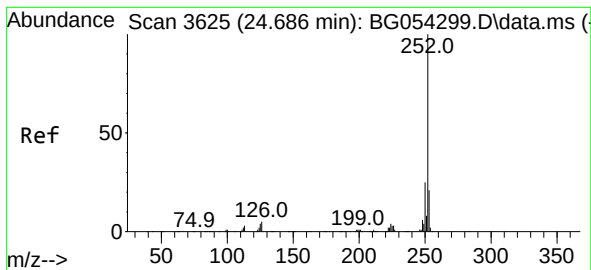
Tgt Ion:252 Resp: 53783
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 4.2 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 4.956 ng
RT: 23.837 min Scan# 3480
Delta R.T. -0.056 min
Lab File: BG054345.D
Acq: 21 Jul 2022 14:54

Tgt Ion:252 Resp: 53783
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 4.2 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 3.792 ng

RT: 24.701 min Scan# 3

Delta R.T. 0.014 min

Lab File: BG054345.D

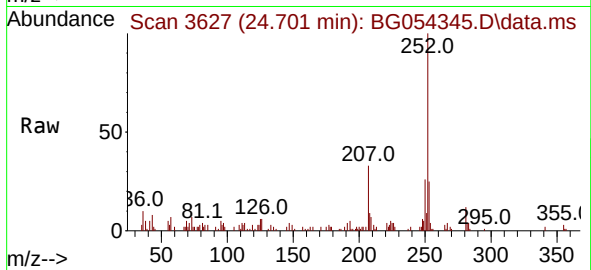
Acq: 21 Jul 2022 14:54

Instrument :

BNA_G

ClientSampleId :

COMP-1



Tgt Ion:252 Resp: 35306

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 5.6 4.3 6.5

