

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054347.D
 Acq On : 21 Jul 2022 16:20
 Operator : CG/JU
 Sample : N3810-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Quant Time: Jul 22 02:37:04 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)

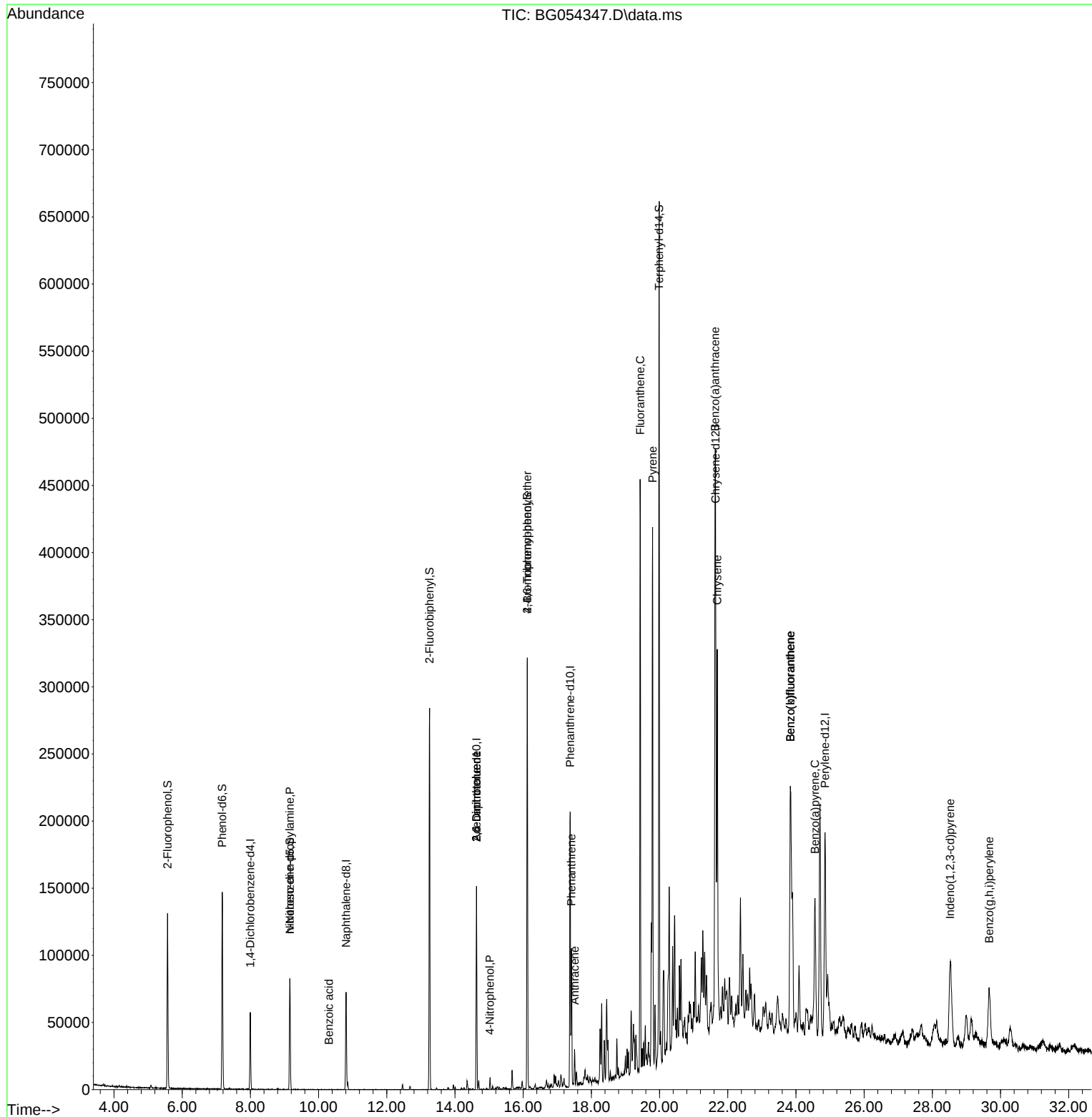
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.997	152	18056	20.000	ng	0.00
21) Naphthalene-d8	10.805	136	68569	20.000	ng	# 0.00
39) Acenaphthene-d10	14.630	164	58023	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	150826	20.000	ng	# 0.00
76) Chrysene-d12	21.646	240	166428	20.000	ng	# 0.00
86) Perylene-d12	24.854	264	179919	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	58658	67.828	ng	0.00
7) Phenol-d6	7.174	99	84135	71.001	ng	0.00
23) Nitrobenzene-d5	9.160	82	52416	41.628	ng	0.00
42) 2,4,6-Tribromophenol	16.123	330	84859	69.655	ng	0.00
45) 2-Fluorobiphenyl	13.255	172	164595	40.017	ng	0.00
79) Terphenyl-d14	19.989	244	360791	43.006	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.160	70	7301	9.226	ng	# 76
32) Benzoic acid	10.306	122	61	7.820	ng	# 1
51) 2,6-Dinitrotoluene	14.630	165	7884	7.931	ng	# 16
56) 4-Nitrophenol	15.024	139	2037	3.672	ng	# 1
57) 2,4-Dinitrotoluene	14.630	165	7884	5.532	ng	# 21
67) 4-Bromophenyl-phenylether	16.123	248	4613	2.178	ng	# 1
71) Phenanthrene	17.415	178	73574	9.795	ng	98
72) Anthracene	17.509	178	20355	2.762	ng	98
75) Fluoranthene	19.431	202	301672	29.464	ng	95
78) Pyrene	19.795	202	287204	30.075	ng	97
81) Benzo(a)anthracene	21.628	228	264415	25.028	ng	97
83) Chrysene	21.693	228	215345	21.575	ng	96
87) Indeno(1,2,3-cd)pyrene	28.526	276	116638	8.522	ng	# 97
88) Benzo(b)fluoranthene	23.837	252	274334	25.783	ng	# 98
89) Benzo(k)fluoranthene	23.837	252	274334	25.907	ng	# 98
90) Benzo(a)pyrene	24.560	252	121123	13.330	ng	98
92) Benzo(g,h,i)perylene	29.666	276	100023	9.004	ng	# 92

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

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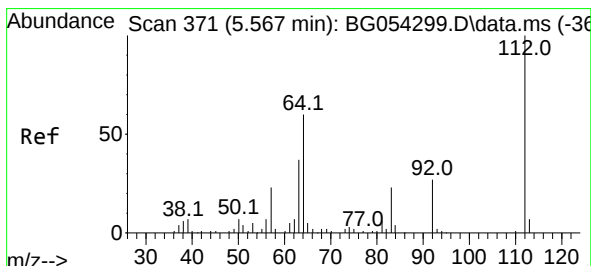
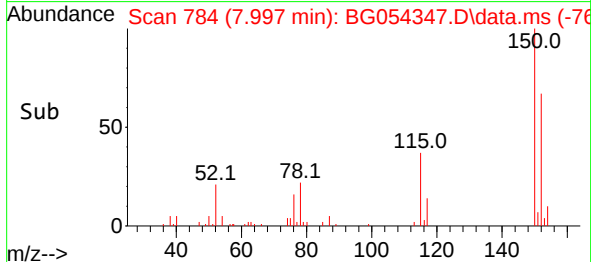
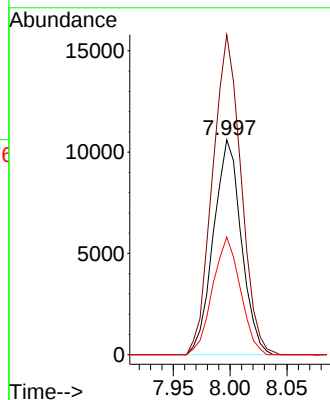
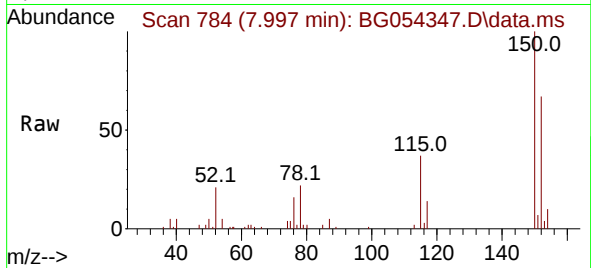




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.997 min Scan# 785
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

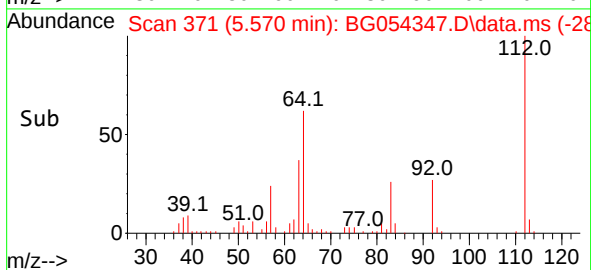
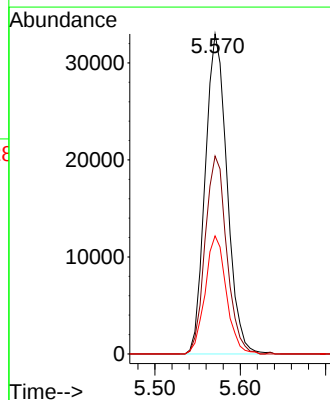
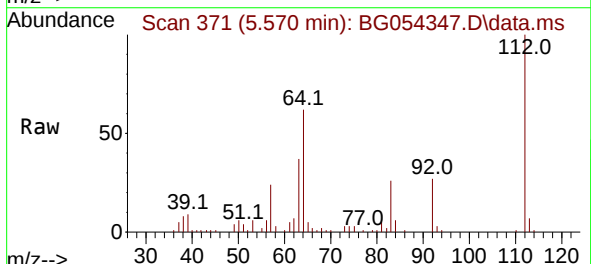
Instrument :
BNA_G
ClientSampleId :
COMP-3

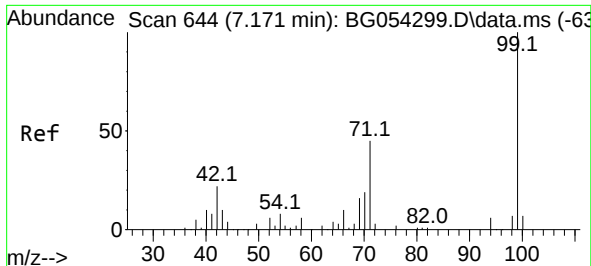
Tgt Ion:152 Resp: 18056
Ion Ratio Lower Upper
152 100
150 148.9 131.6 197.4
115 54.7 50.9 76.3



#5
2-Fluorophenol
Concen: 67.828 ng
RT: 5.570 min Scan# 371
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:112 Resp: 58658
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 36.9 30.4 45.6

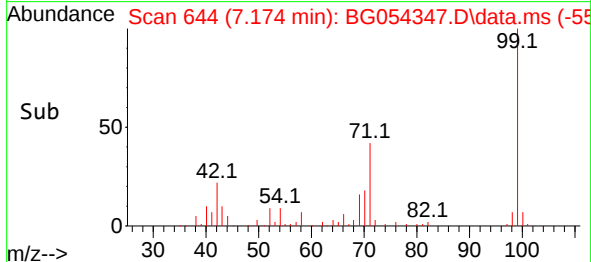
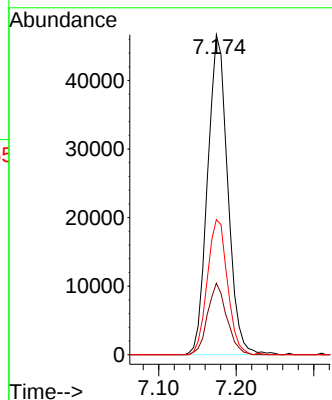
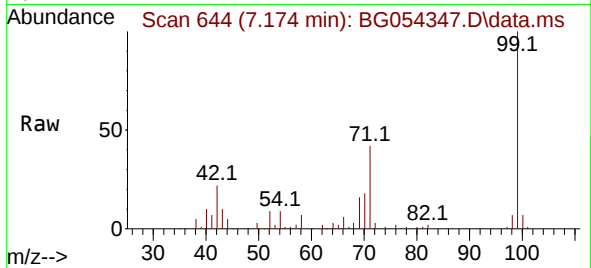




#7
Phenol-d6
Concen: 71.001 ng
RT: 7.174 min Scan# 644
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

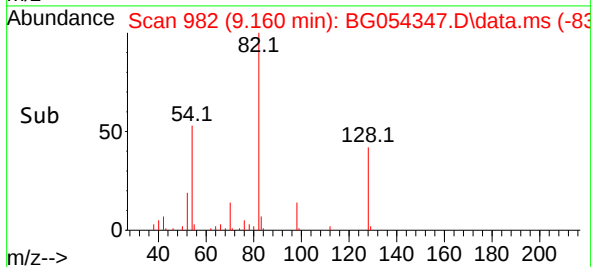
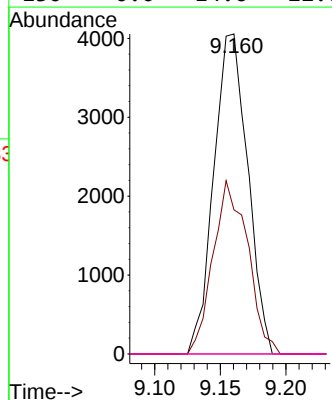
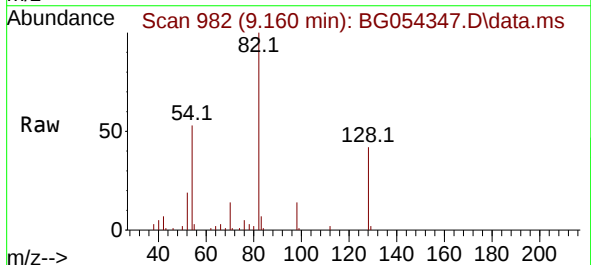
Instrument :
BNA_G
ClientSampleId :
COMP-3

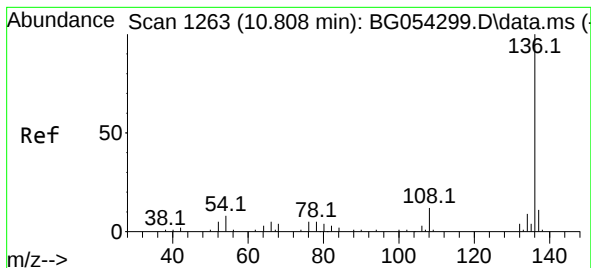
Tgt Ion: 99 Resp: 84135
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 42.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.226 ng
RT: 9.160 min Scan# 982
Delta R.T. 0.356 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion: 70 Resp: 7301
Ion Ratio Lower Upper
70 100
42 45.0 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: 10.805 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

Instrument :

BNA_G

ClientSampleId :

COMP-3

Tgt Ion:136 Resp: 68569

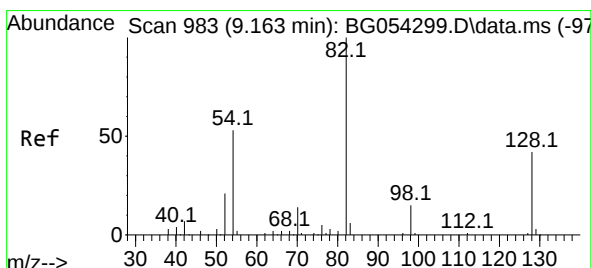
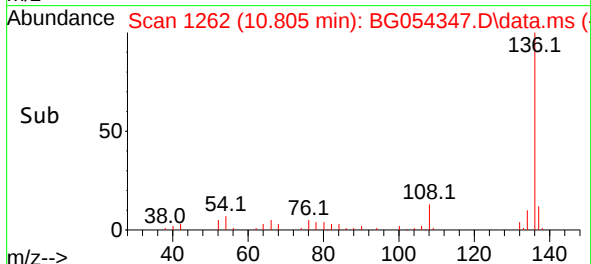
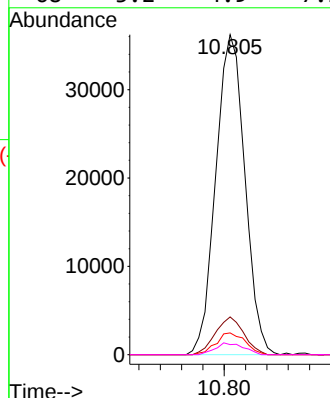
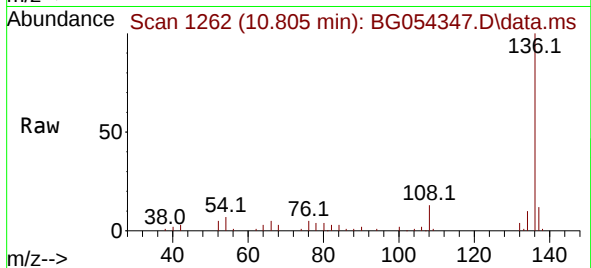
Ion Ratio Lower Upper

136 100

137 11.8 8.5 12.7

54 6.8 7.4 11.2#

68 3.2 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 41.628 ng

RT: 9.160 min Scan# 982

Delta R.T. -0.003 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

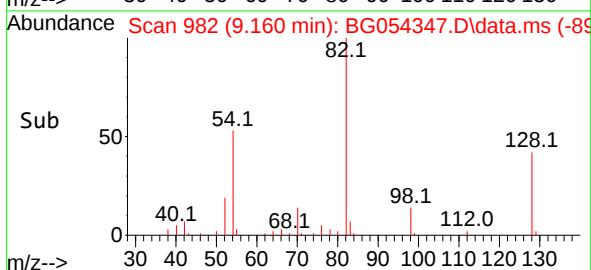
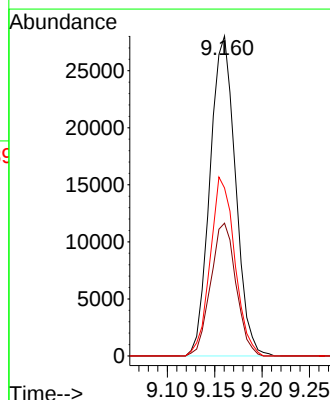
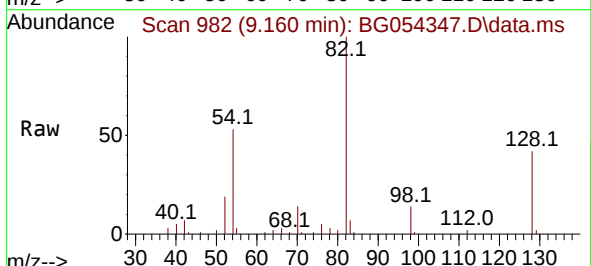
Tgt Ion: 82 Resp: 52416

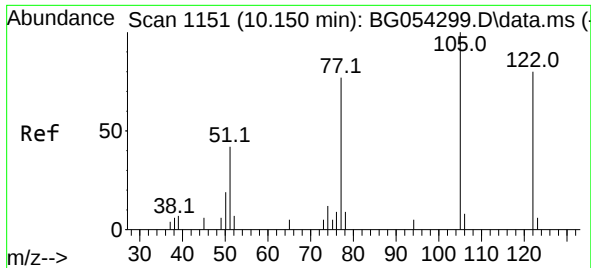
Ion Ratio Lower Upper

82 100

128 41.5 27.9 41.9

54 52.5 41.2 61.8

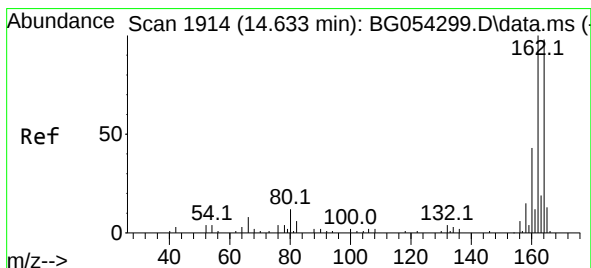
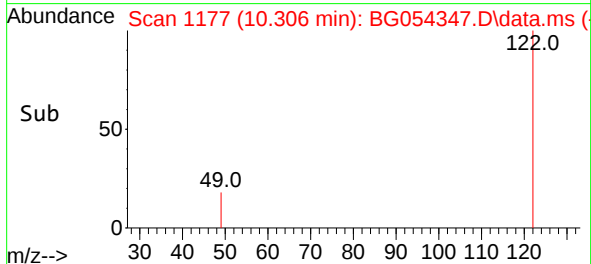
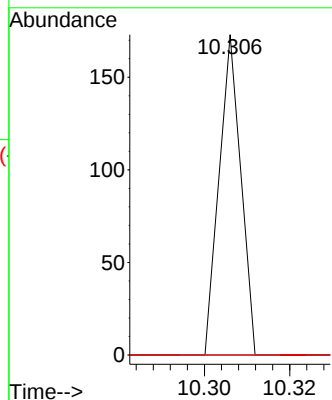
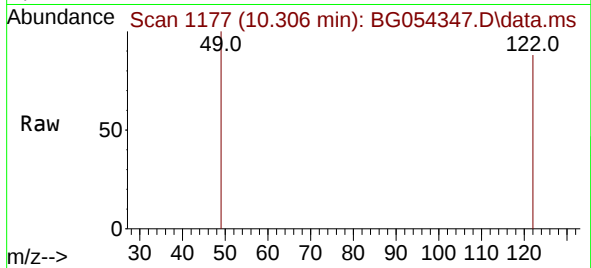




#32
Benzoic acid
Concen: 7.820 ng
RT: 10.306 min Scan# 1151
Delta R.T. 0.156 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

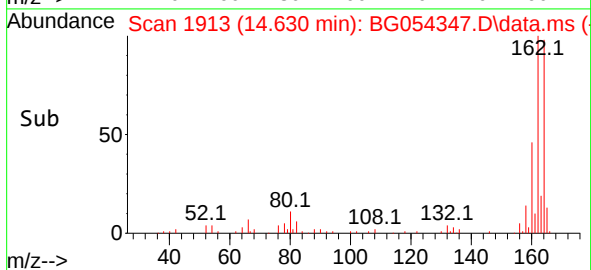
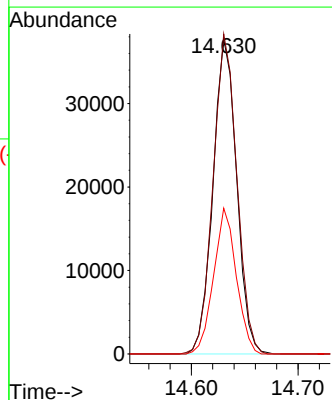
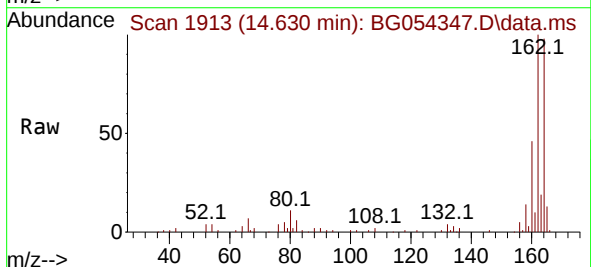
Instrument :
BNA_G
ClientSampleId :
COMP-3

Tgt Ion:122 Resp: 61
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: 14.630 min Scan# 1913
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:164 Resp: 58023
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 46.3 34.2 51.2

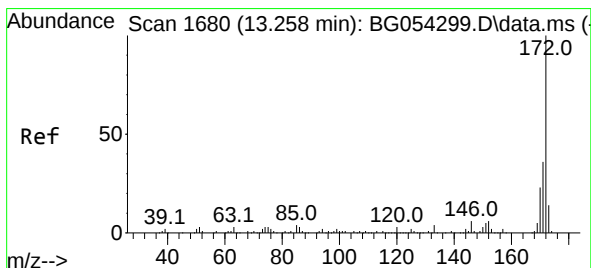
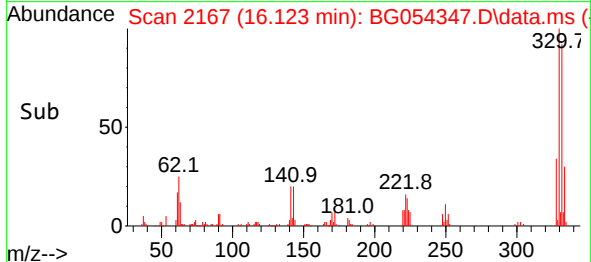
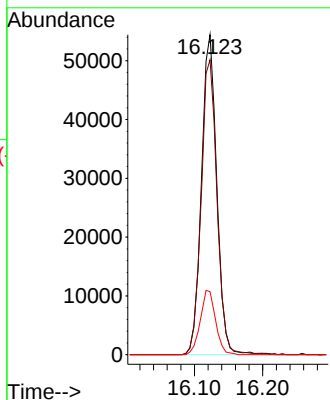
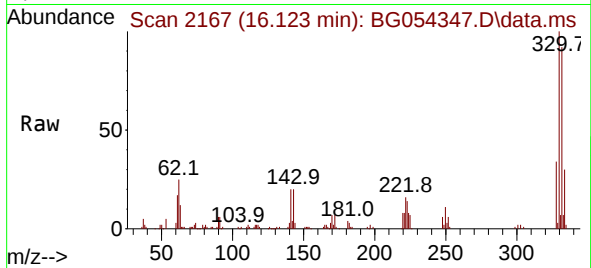




#42
2,4,6-Tribromophenol
Concen: 69.655 ng
RT: 16.123 min Scan# 2167
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

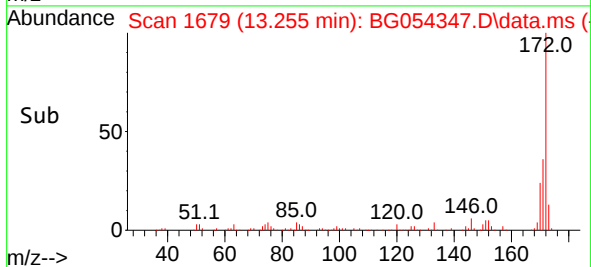
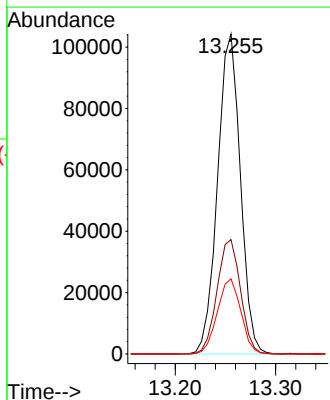
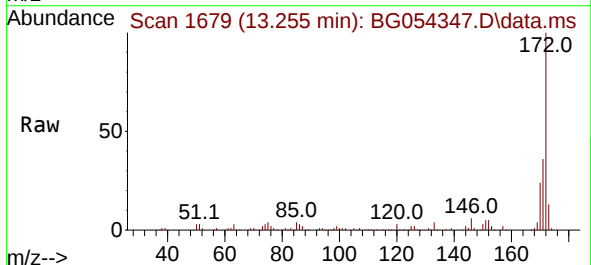
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BNA_G
ClientSampleId :
COMP-3

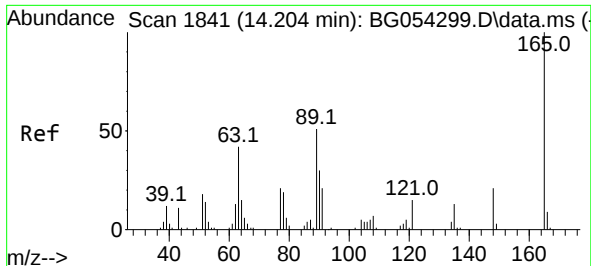
Tgt Ion:330 Resp: 84859
Ion Ratio Lower Upper
330 100
332 94.8 76.0 114.0
141 20.0 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 40.017 ng
RT: 13.255 min Scan# 1679
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:172 Resp: 164595
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: 7.931 ng

RT: 14.630 min Scan# 1913

Delta R.T. 0.426 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

Instrument :

BNA_G

ClientSampleId :

COMP-3

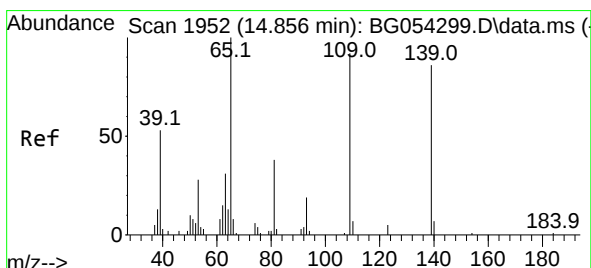
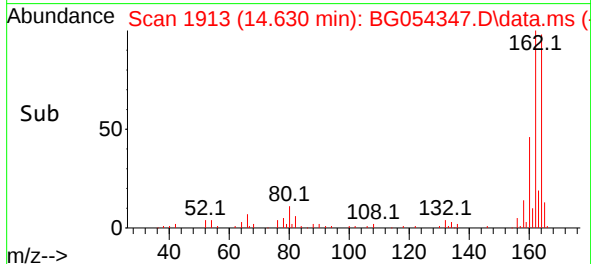
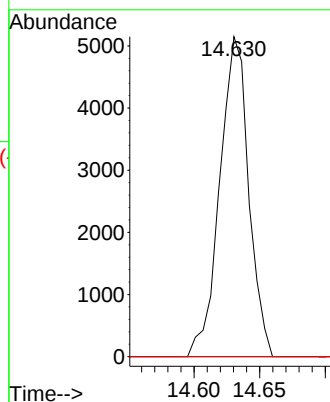
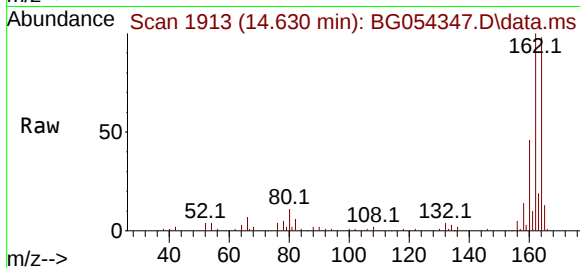
Tgt Ion:165 Resp: 7884

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#56

4-Nitrophenol

Concen: 3.672 ng

RT: 15.024 min Scan# 1980

Delta R.T. 0.168 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

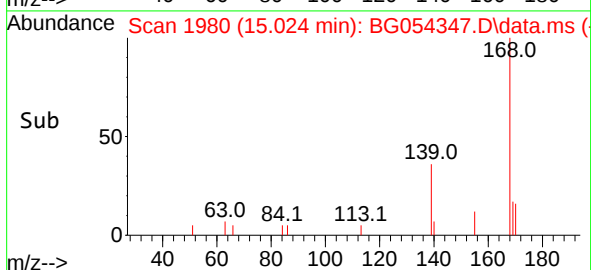
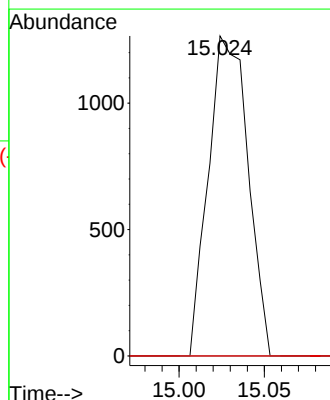
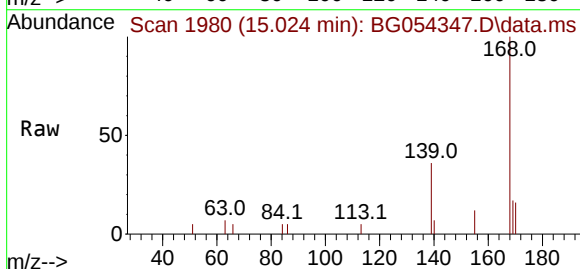
Tgt Ion:139 Resp: 2037

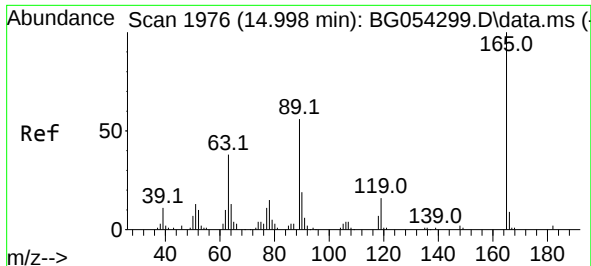
Ion Ratio Lower Upper

139 100

109 0.0 88.5 128.5#

65 0.0 93.9 133.9#

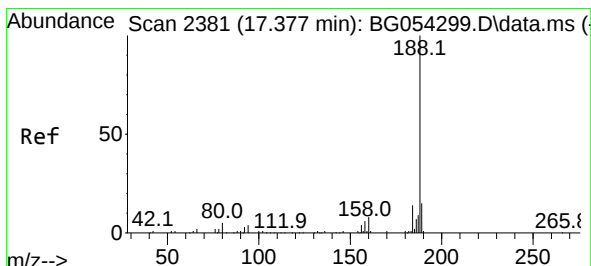
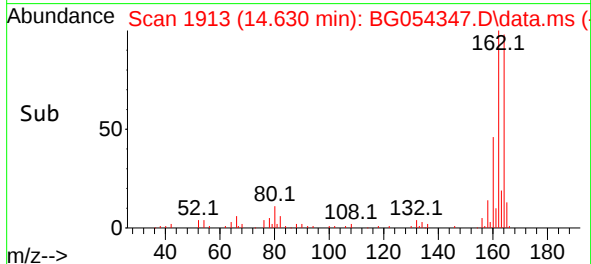
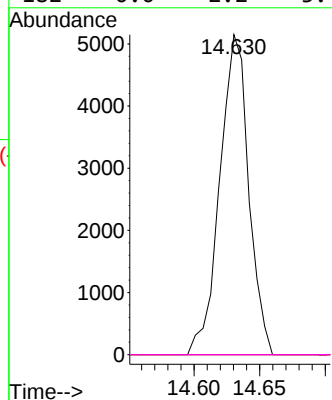
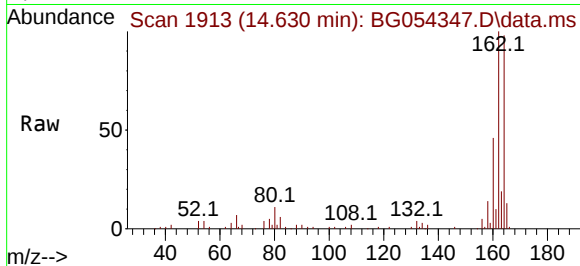




#57
2,4-Dinitrotoluene
Concen: 5.532 ng
RT: 14.630 min Scan# 1976
Delta R.T. -0.367 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

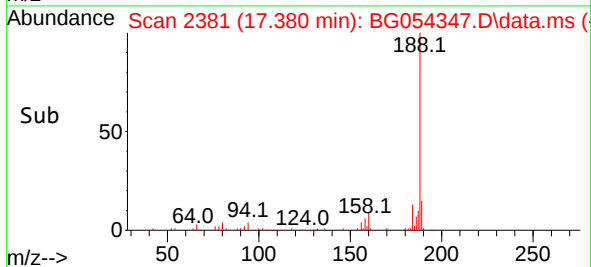
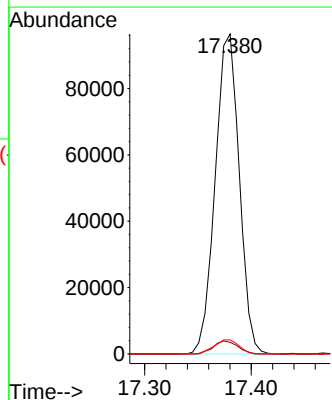
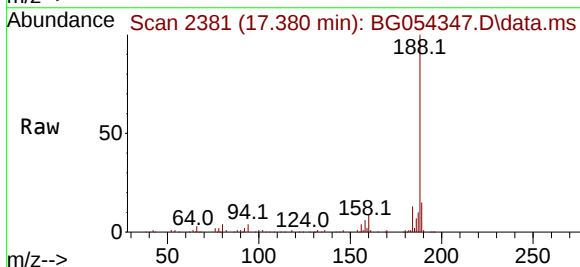
Instrument :
BNA_G
ClientSampleId :
COMP-3

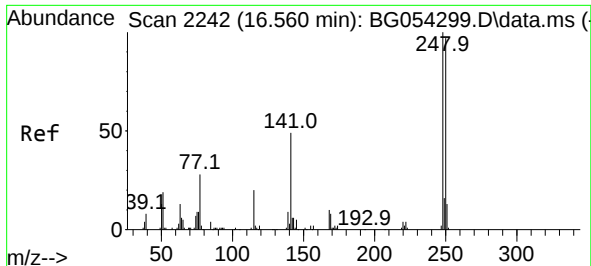
Tgt Ion:165 Resp: 7884
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.380 min Scan# 2381
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:188 Resp: 150826
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.4 6.8 10.2#

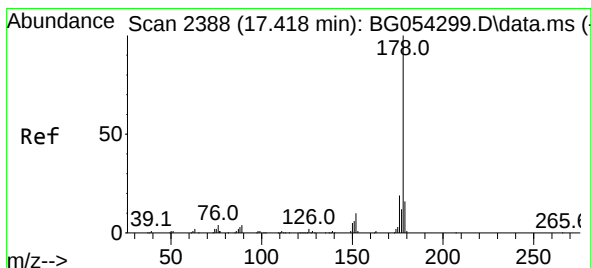
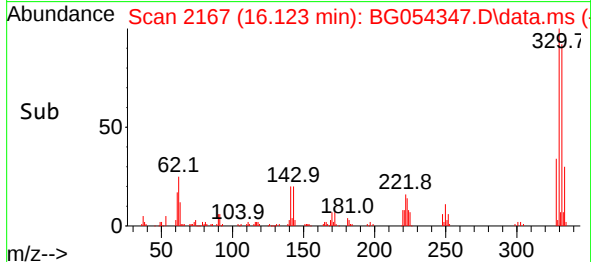
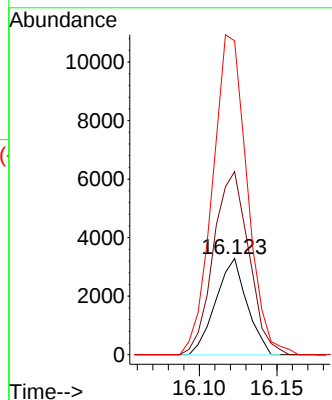
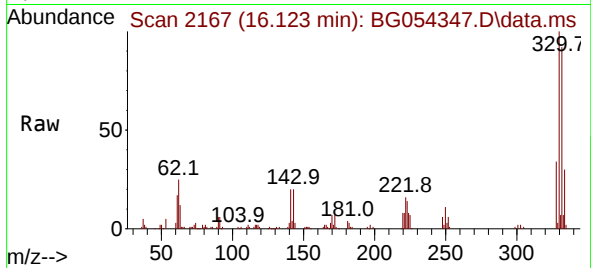




#67
4-Bromophenyl-phenylether
Concen: 2.178 ng
RT: 16.123 min Scan# 2167
Delta R.T. -0.438 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

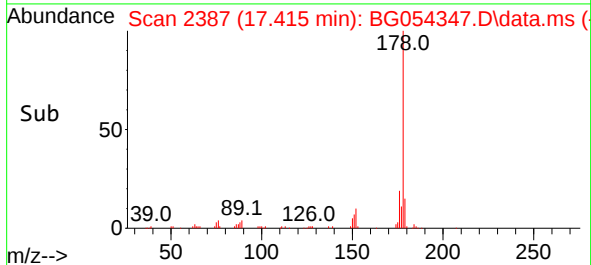
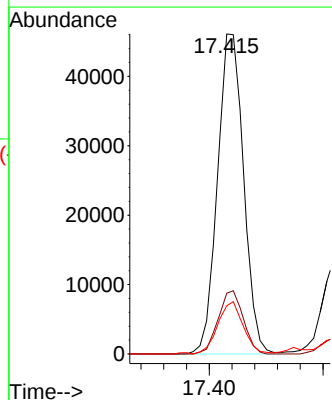
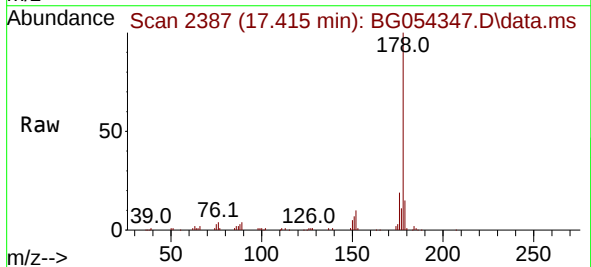
Instrument :
BNA_G
ClientSampleId :
COMP-3

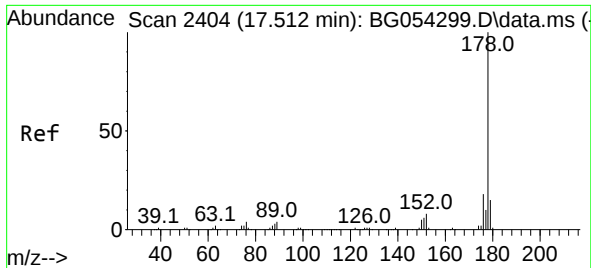
Tgt Ion:248 Resp: 4613
Ion Ratio Lower Upper
248 100
250 146.6 75.2 112.8#
141 251.5 50.0 75.0#



#71
Phenanthrene
Concen: 9.795 ng
RT: 17.415 min Scan# 2387
Delta R.T. -0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:178 Resp: 73574
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.1 12.1 18.1

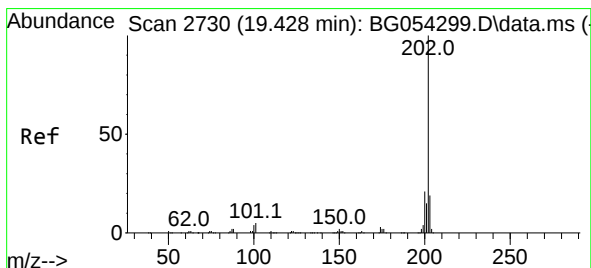
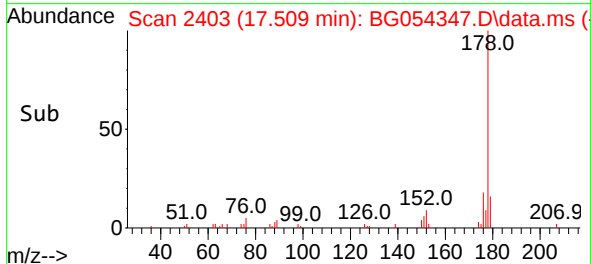
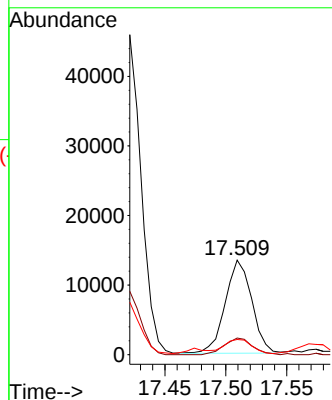
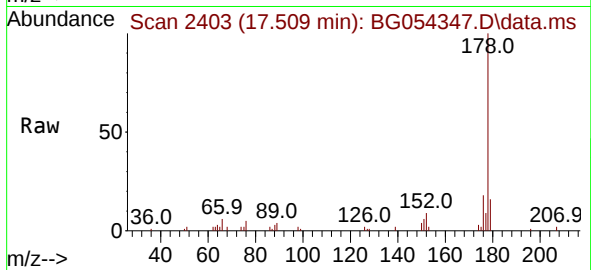




#72
 Anthracene
 Concen: 2.762 ng
 RT: 17.509 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

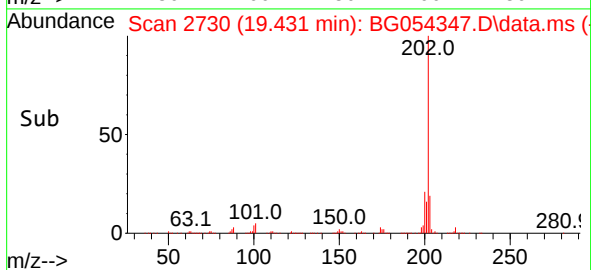
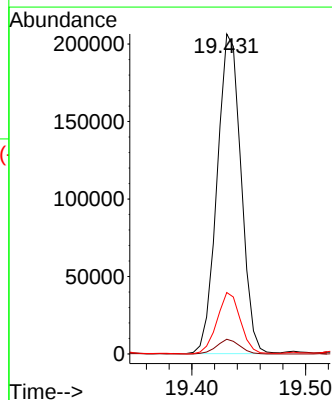
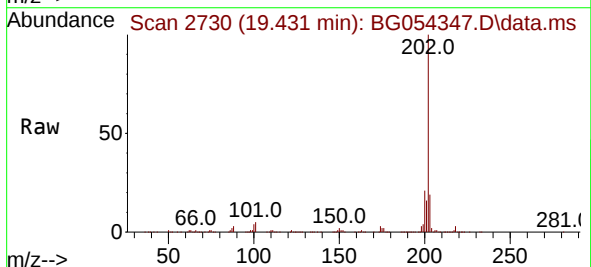
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

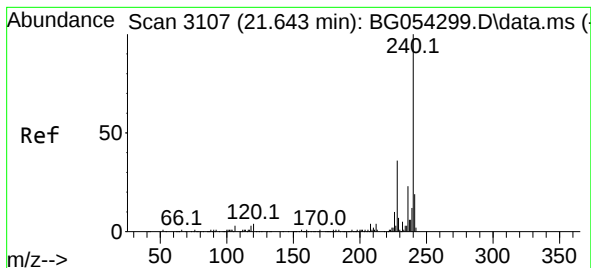
Tgt Ion:178 Resp: 20355
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 16.1 13.0 19.4



#75
 Fluoranthene
 Concen: 29.464 ng
 RT: 19.431 min Scan# 2730
 Delta R.T. 0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

Tgt Ion:202 Resp: 301672
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 26.9
 203 19.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.646 min Scan# 3107

Delta R.T. 0.003 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

Instrument :

BNA_G

ClientSampleId :

COMP-3

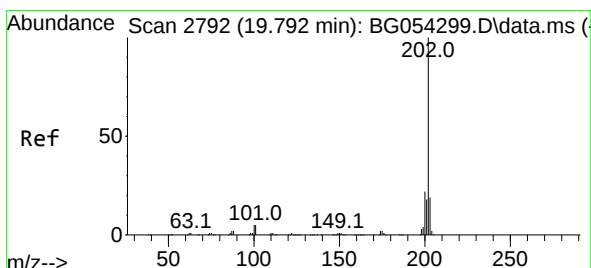
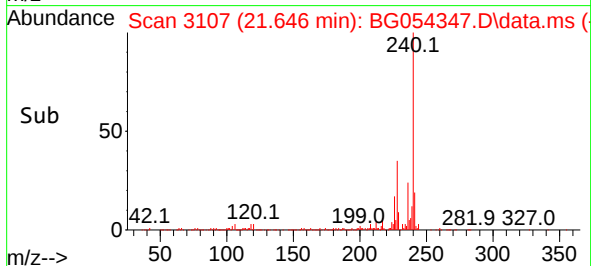
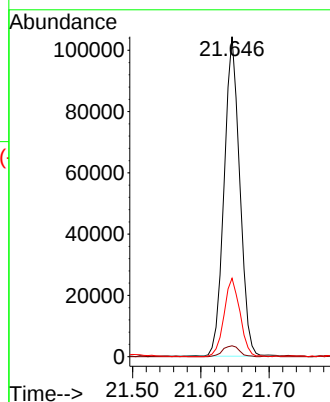
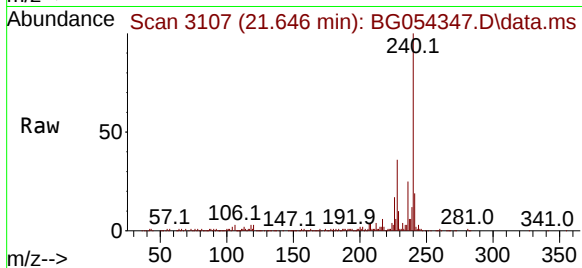
Tgt Ion:240 Resp: 166428

Ion Ratio Lower Upper

240 100

120 3.4 4.6 7.0#

236 24.5 20.2 30.4



#78

Pyrene

Concen: 30.075 ng

RT: 19.795 min Scan# 2792

Delta R.T. 0.003 min

Lab File: BG054347.D

Acq: 21 Jul 2022 16:20

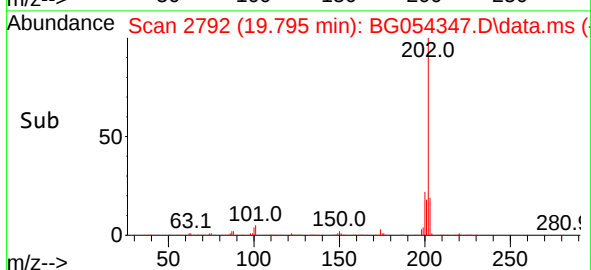
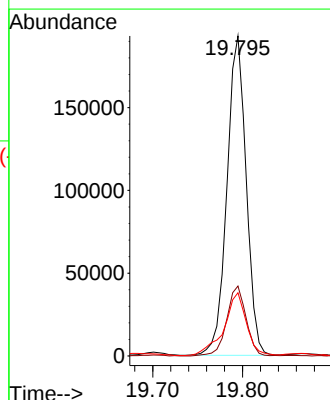
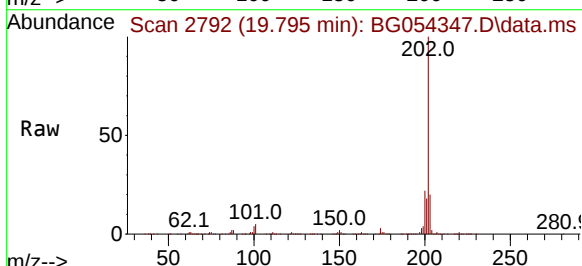
Tgt Ion:202 Resp: 287204

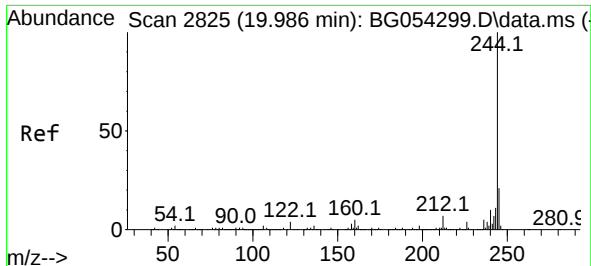
Ion Ratio Lower Upper

202 100

200 21.8 16.6 24.8

203 19.7 14.6 21.8

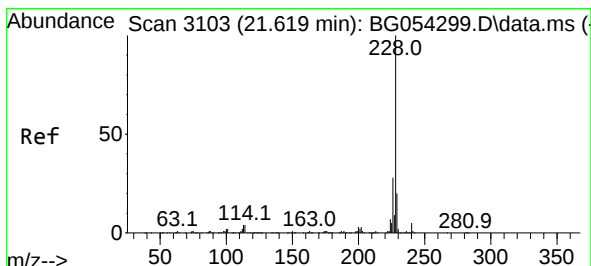
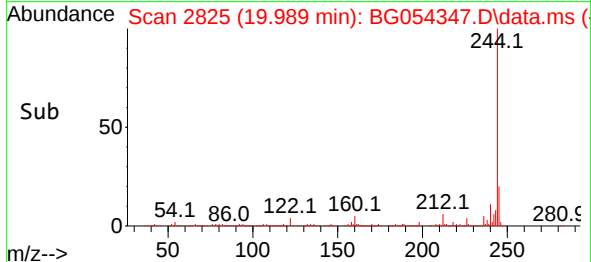
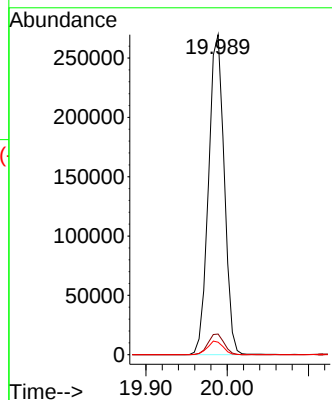
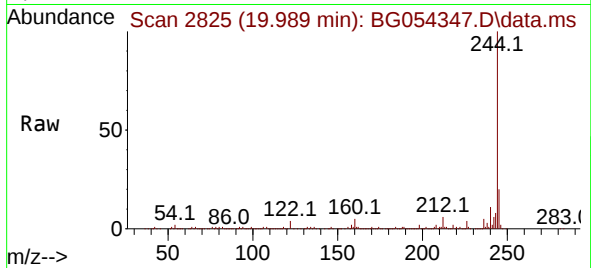




#79
 Terphenyl-d14
 Concen: 43.006 ng
 RT: 19.989 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

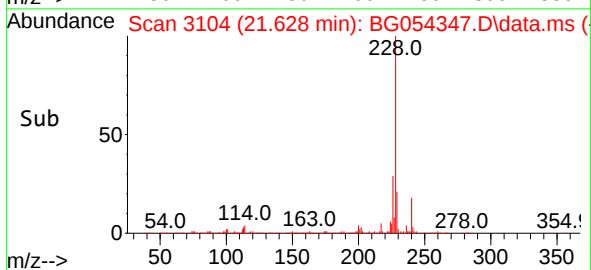
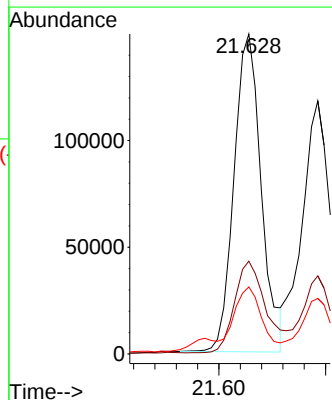
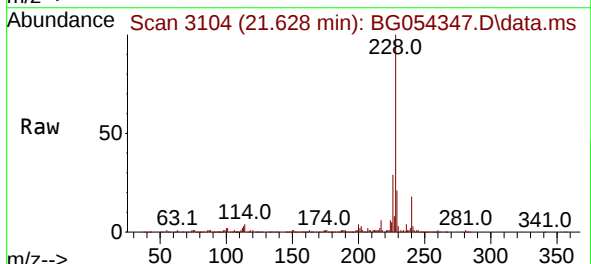
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

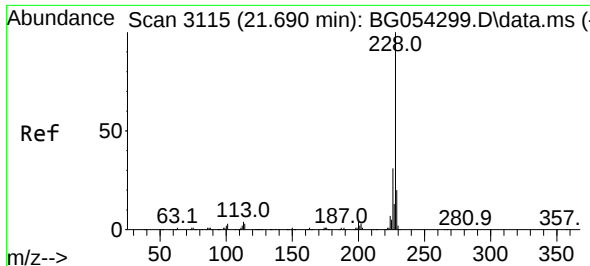
Tgt Ion:244 Resp: 360791
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7#
 122 3.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 25.028 ng
 RT: 21.628 min Scan# 3104
 Delta R.T. 0.009 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

Tgt Ion:228 Resp: 264415
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 21.0 16.2 24.2

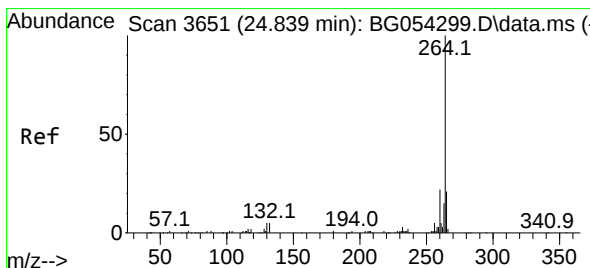
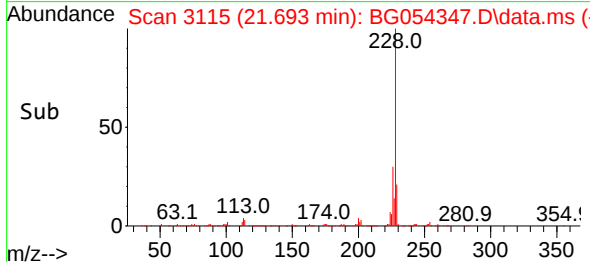
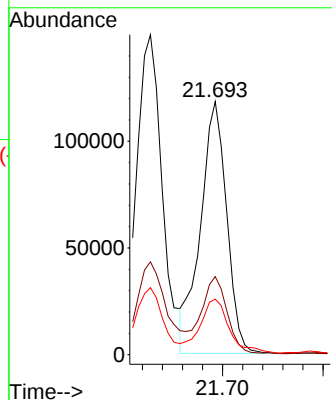
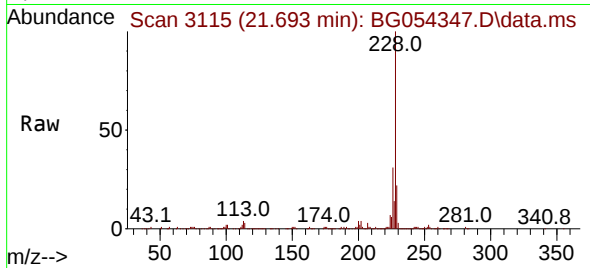




#83
Chrysene
Concen: 21.575 ng
RT: 21.693 min Scan# 3115
Delta R.T. 0.003 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

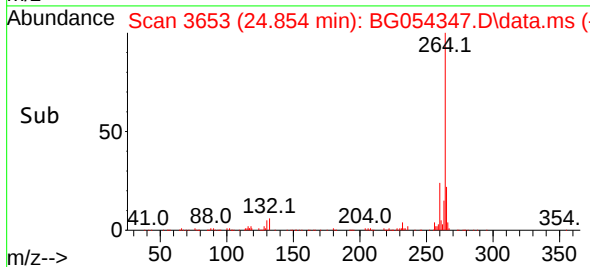
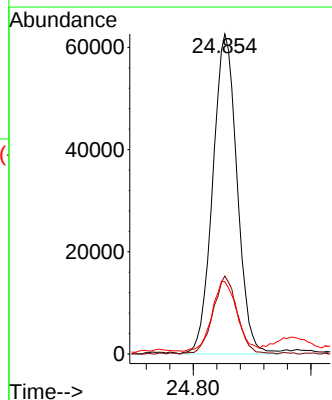
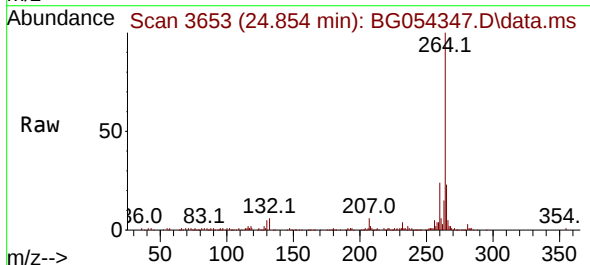
Instrument :
BNA_G
ClientSampleId :
COMP-3

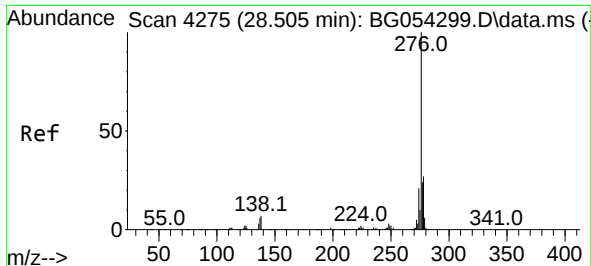
Tgt Ion:228 Resp: 215345
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 21.9 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.854 min Scan# 3653
Delta R.T. 0.015 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

Tgt Ion:264 Resp: 179919
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.6 17.4 26.2

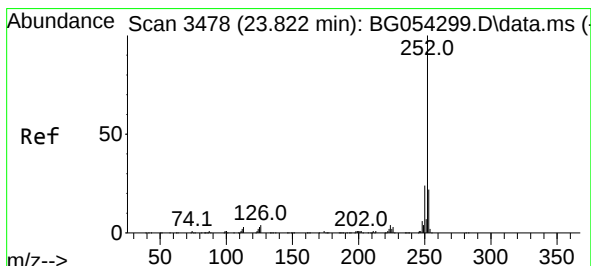
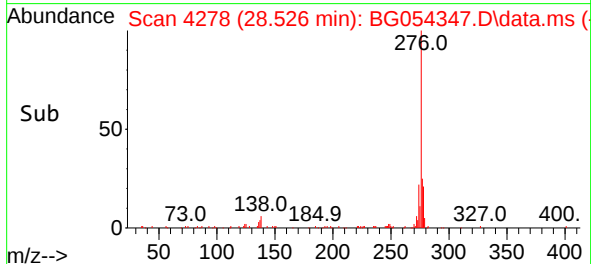
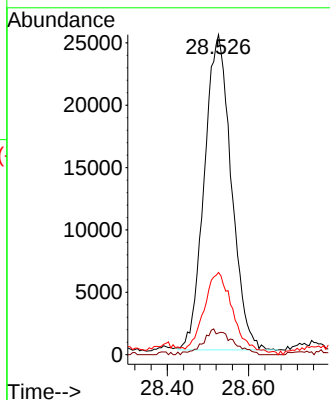
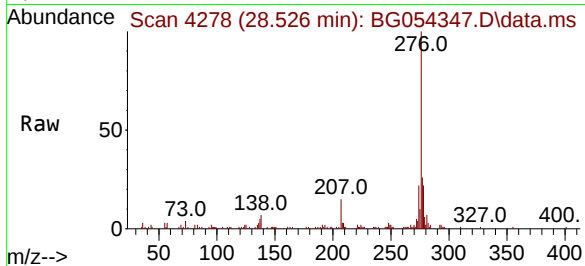




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.522 ng
 RT: 28.526 min Scan# 41
 Delta R.T. 0.021 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

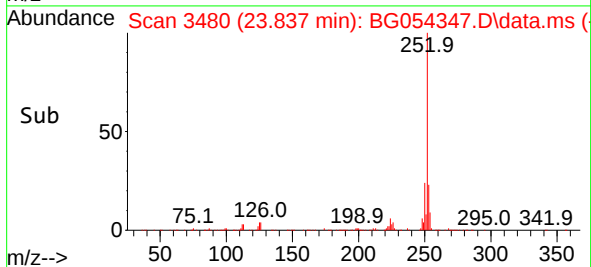
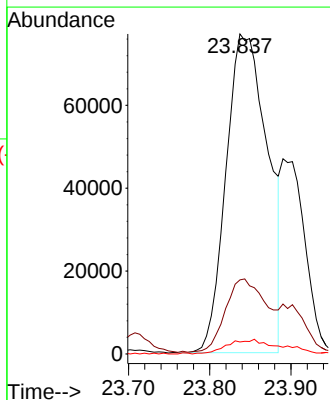
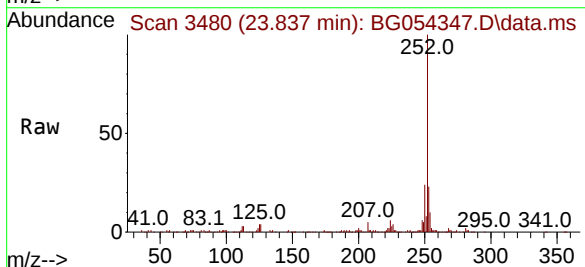
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

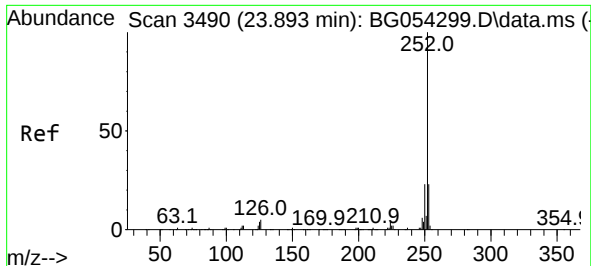
Tgt Ion:276 Resp: 116638
 Ion Ratio Lower Upper
 276 100
 138 4.7 5.0 7.4#
 277 26.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 25.783 ng
 RT: 23.837 min Scan# 3480
 Delta R.T. 0.015 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

Tgt Ion:252 Resp: 274334
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 3.7 4.6 6.8#

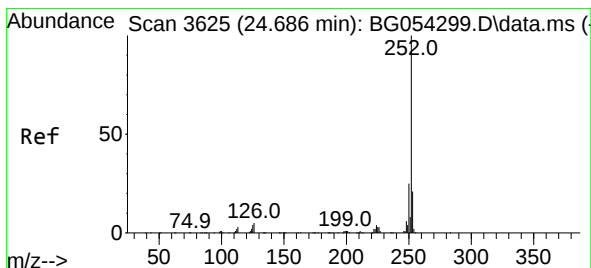
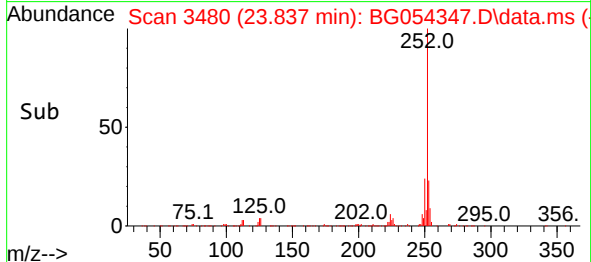
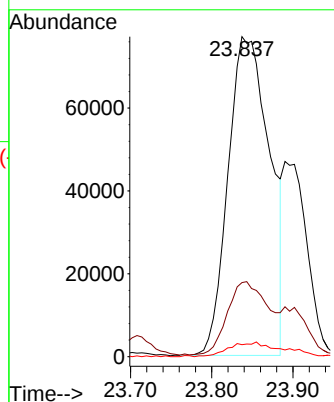
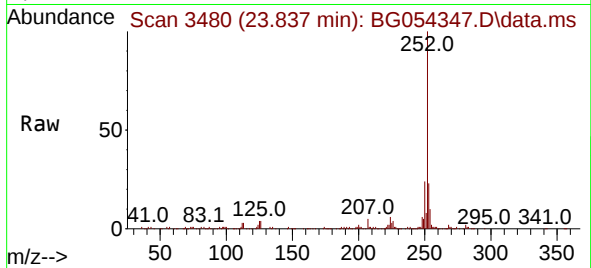




#89
Benzo(k)fluoranthene
Concen: 25.907 ng
RT: 23.837 min Scan# 34
Delta R.T. -0.056 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

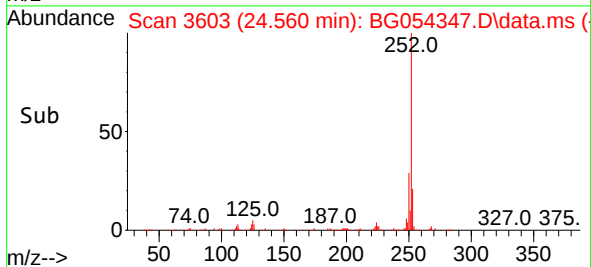
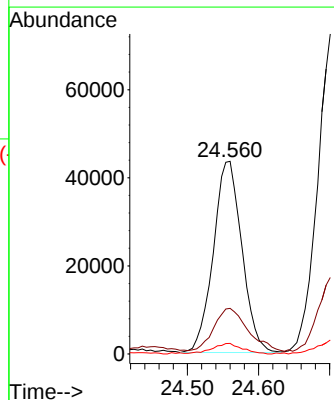
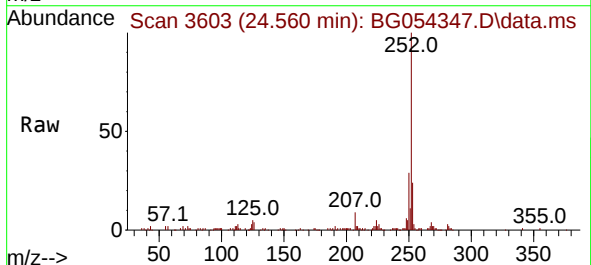
Instrument :
BNA_G
ClientSampleId :
COMP-3

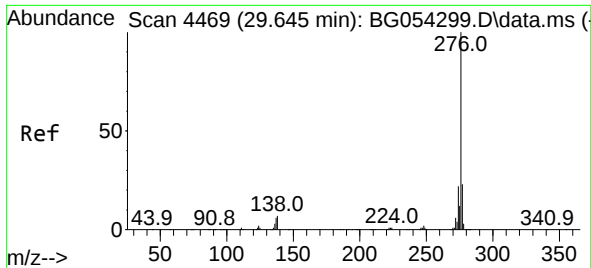
Tgt Ion:252 Resp: 274334
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 3.7 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 13.330 ng
RT: 24.560 min Scan# 3603
Delta R.T. -0.126 min
Lab File: BG054347.D
Acq: 21 Jul 2022 16:20

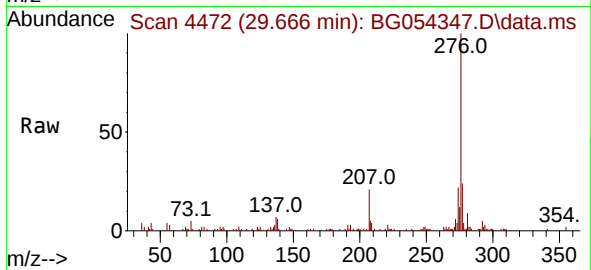
Tgt Ion:252 Resp: 121123
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.5 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 9.004 ng
 RT: 29.666 min Scan# 44
 Delta R.T. 0.021 min
 Lab File: BG054347.D
 Acq: 21 Jul 2022 16:20

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



Tgt Ion:276 Resp: 100023
 Ion Ratio Lower Upper
 276 100
 277 23.8 17.3 25.9
 138 6.2 9.6 14.4#

