

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
 Data File : BG054327.D
 Acq On : 20 Jul 2022 14:35
 Operator : CG/JU
 Sample : N3756-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Jul 21 01:24:39 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

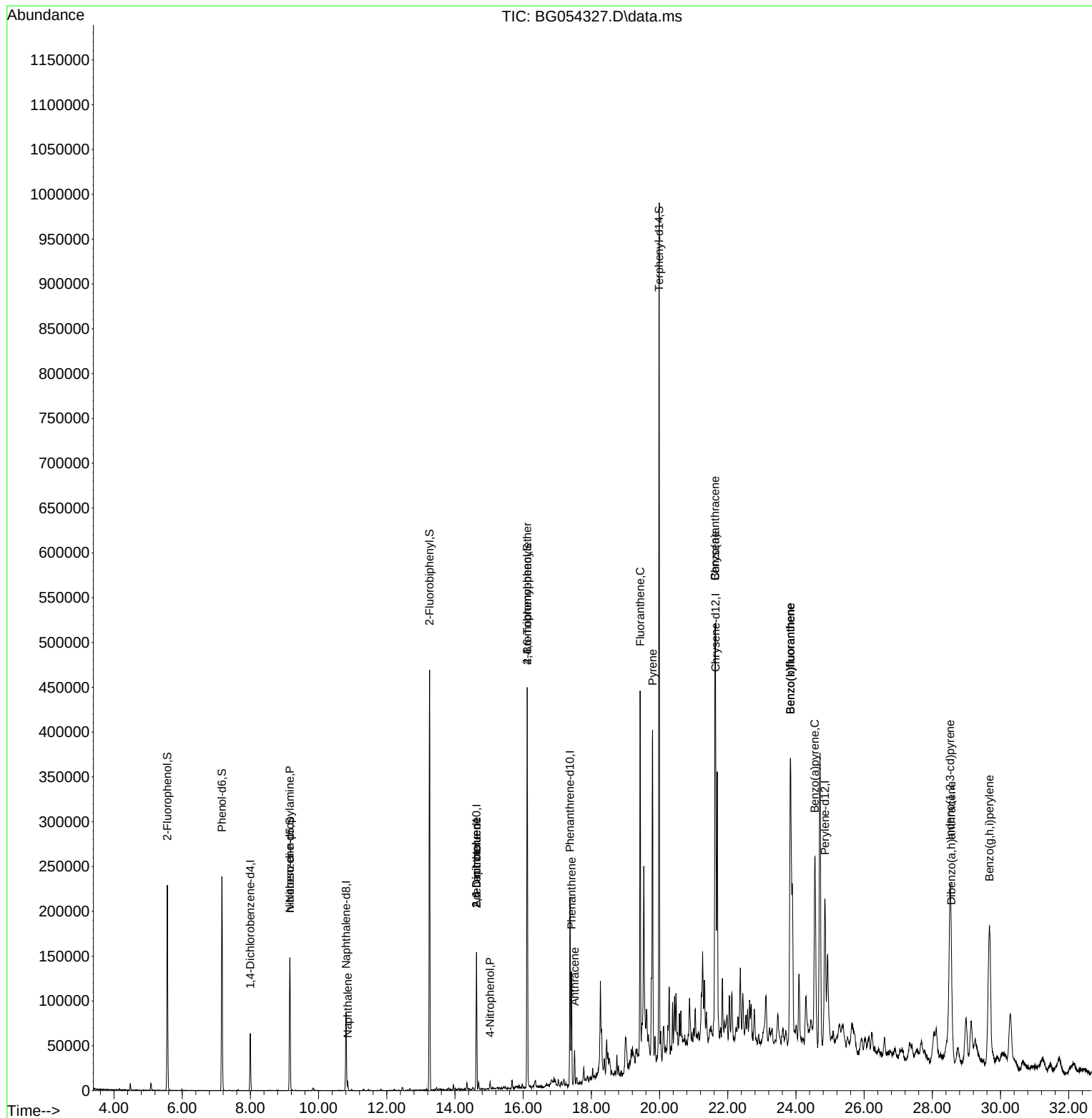
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.996	152	19500	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	76205	20.000	ng	# 0.00
39) Acenaphthene-d10	14.629	164	58781	20.000	ng	0.00
64) Phenanthrene-d10	17.373	188	151823	20.000	ng	# 0.00
76) Chrysene-d12	21.645	240	181121	20.000	ng	# 0.00
86) Perylene-d12	24.853	264	196943	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	100530	107.638	ng	0.00
7) Phenol-d6	7.162	99	135838	106.144	ng	0.00
23) Nitrobenzene-d5	9.159	82	90532	64.695	ng	0.00
42) 2,4,6-Tribromophenol	16.122	330	120494	97.631	ng	0.00
45) 2-Fluorobiphenyl	13.255	172	268129	64.349	ng	0.00
79) Terphenyl-d14	19.988	244	541867	59.350	ng	0.00
Target Compounds						
9) Benzaldehyde	7.132	77	129	Below Cal		Qvalue # 27
19) n-Nitroso-di-n-propyla...	9.159	70	13056	15.277	ng	# 78
31) Naphthalene	10.857	128	9127	2.386	ng	# 94
51) 2,6-Dinitrotoluene	14.629	165	8179	8.122	ng	# 16
56) 4-Nitrophenol	15.029	139	1872	3.331	ng	# 1
57) 2,4-Dinitrotoluene	14.629	165	8179	5.665	ng	# 21
67) 4-Bromophenyl-phenylether	16.122	248	6816	3.197	ng	# 1
71) Phenanthrene	17.420	178	88920	11.761	ng	99
72) Anthracene	17.508	178	28281	3.812	ng	99
75) Fluoranthene	19.430	202	272293	26.420	ng	94
78) Pyrene	19.794	202	276848	26.639	ng	98
81) Benzo(a)anthracene	21.627	228	272458	23.697	ng	97
83) Chrysene	21.627	228	272458	25.083	ng	98
87) Indeno(1,2,3-cd)pyrene	28.525	276	384345	25.653	ng	99
88) Benzo(b)fluoranthene	23.836	252	471314	40.467	ng	# 98
89) Benzo(k)fluoranthene	23.836	252	471314	40.661	ng	# 99
90) Benzo(a)pyrene	24.553	252	268280	26.972	ng	99
91) Dibenzo(a,h)anthracene	28.560	278	92382	7.499	ng	# 79
92) Benzo(g,h,i)perylene	29.676	276	395998	32.568	ng	# 92

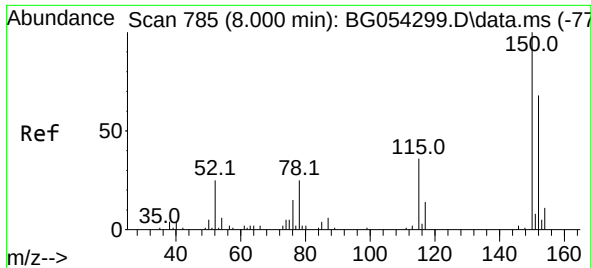
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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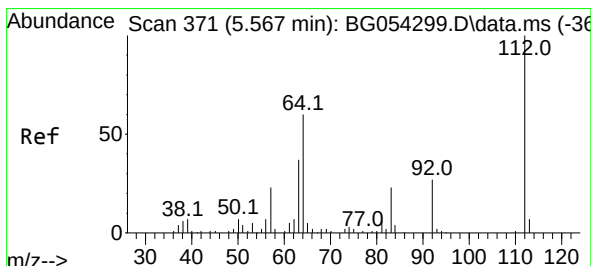
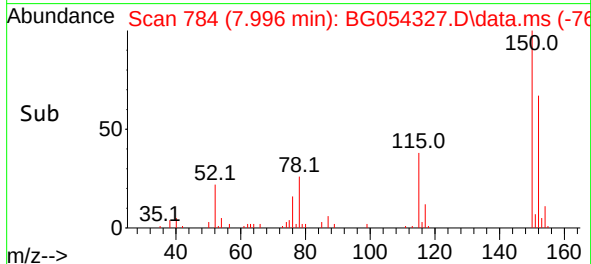
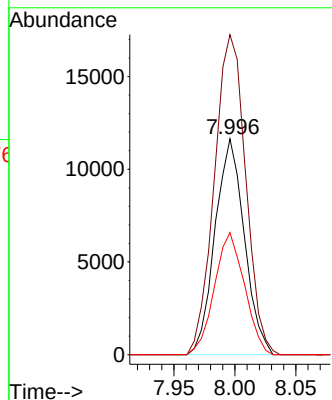
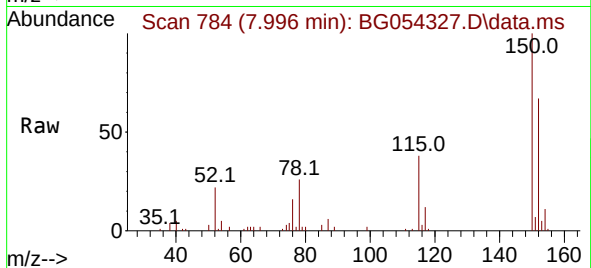




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.996 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

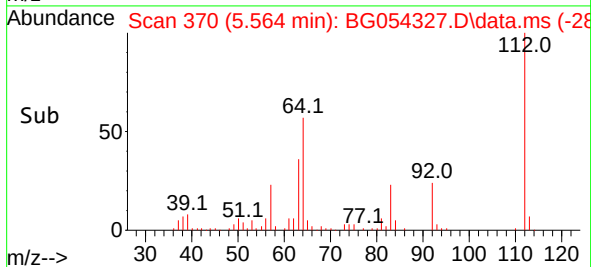
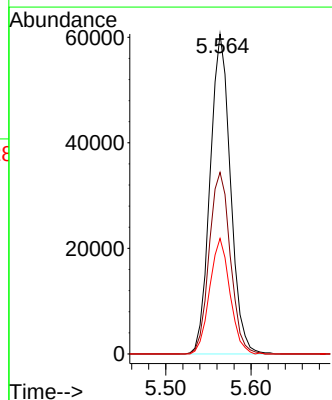
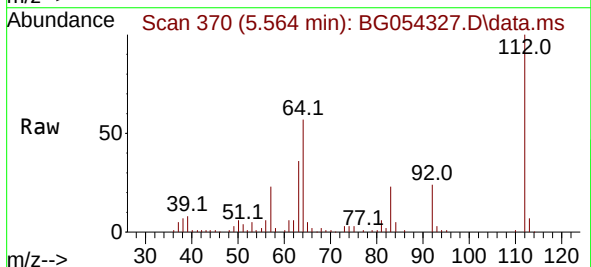
Instrument :
BNA_G
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TP-1

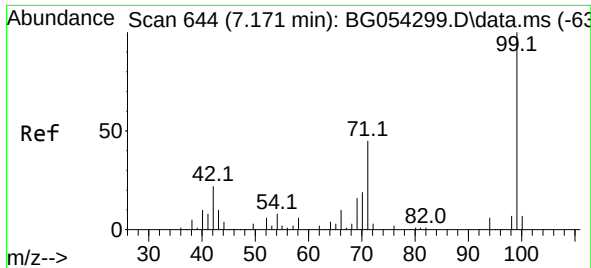
Tgt Ion:152 Resp: 19500
Ion Ratio Lower Upper
152 100
150 148.2 131.6 197.4
115 56.6 50.9 76.3



#5
2-Fluorophenol
Concen: 107.638 ng
RT: 5.564 min Scan# 370
Delta R.T. -0.004 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:112 Resp: 100530
Ion Ratio Lower Upper
112 100
64 56.8 55.1 82.7
63 36.1 30.4 45.6

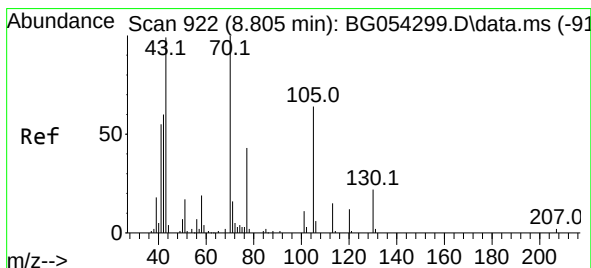
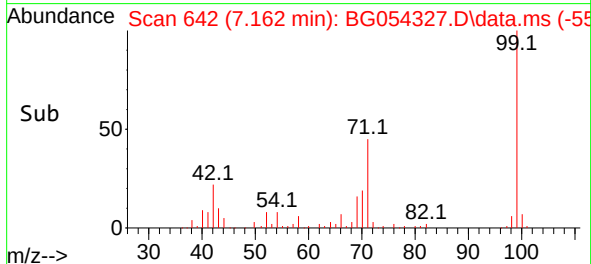
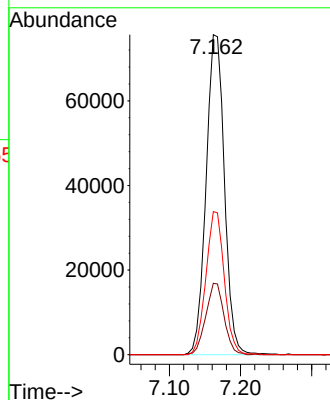
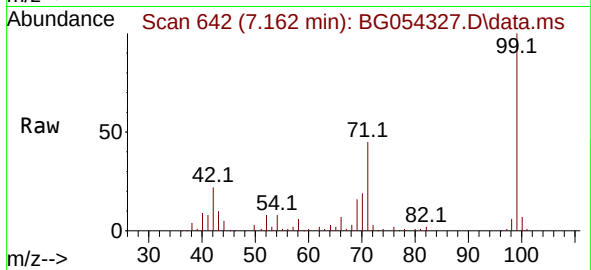




#7
Phenol-d6
Concen: 106.144 ng
RT: 7.162 min Scan# 644
Delta R.T. -0.010 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

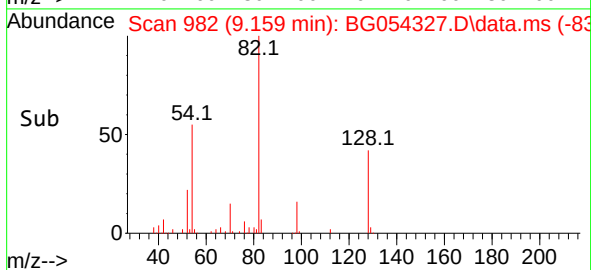
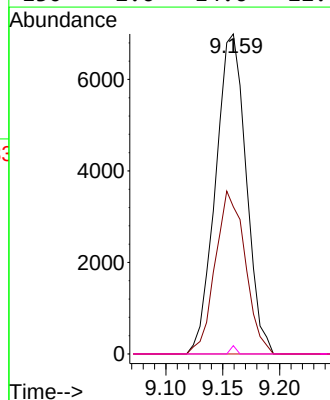
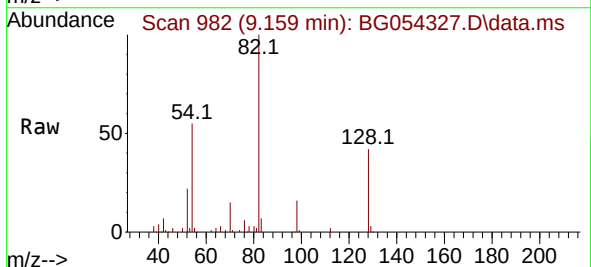
Instrument :
BNA_G
ClientSampleId :
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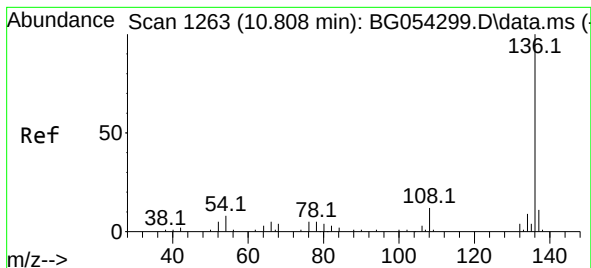
Tgt Ion: 99 Resp: 135838
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 44.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.277 ng
RT: 9.159 min Scan# 982
Delta R.T. 0.355 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion: 70 Resp: 13056
Ion Ratio Lower Upper
70 100
42 46.0 47.3 70.9#
101 0.0 7.0 10.4#
130 2.6 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.804 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 76205

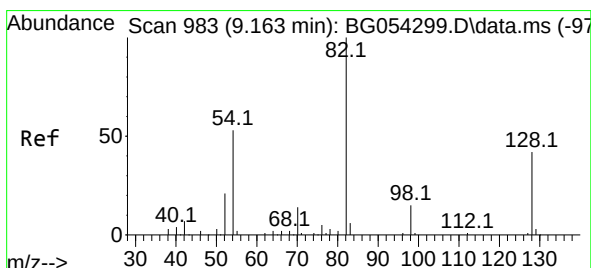
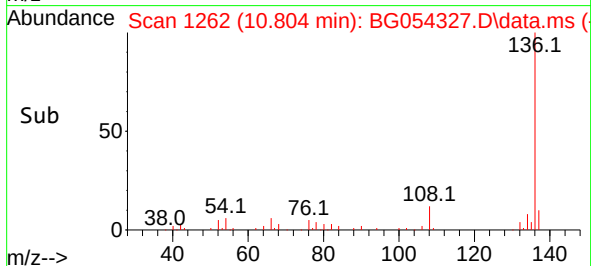
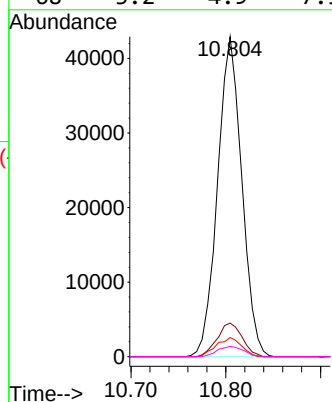
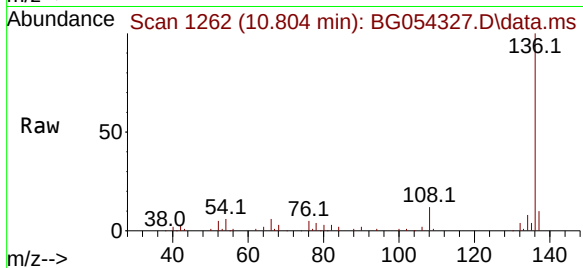
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.0 7.4 11.2#

68 3.2 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 64.695 ng

RT: 9.159 min Scan# 982

Delta R.T. -0.004 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

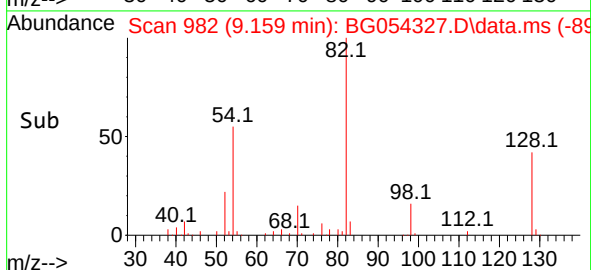
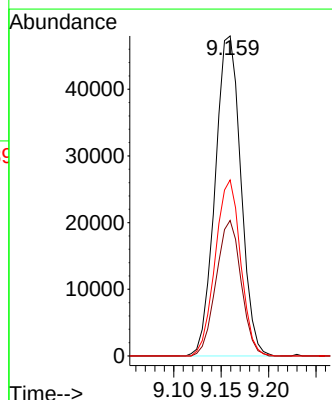
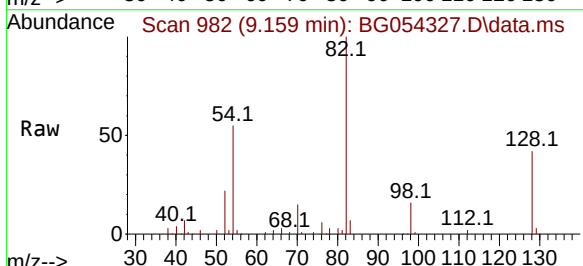
Tgt Ion: 82 Resp: 90532

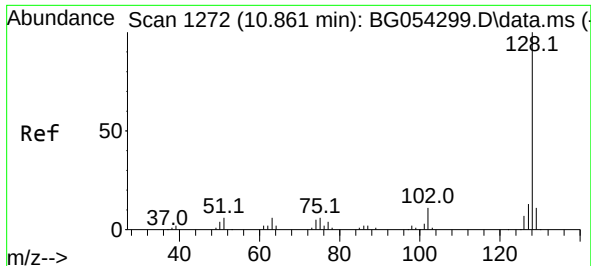
Ion Ratio Lower Upper

82 100

128 42.3 27.9 41.9#

54 55.0 41.2 61.8

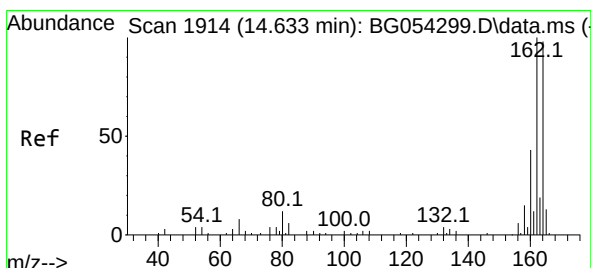
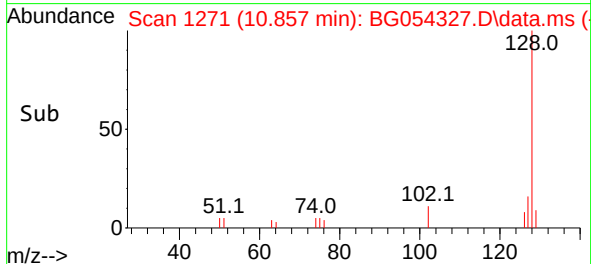
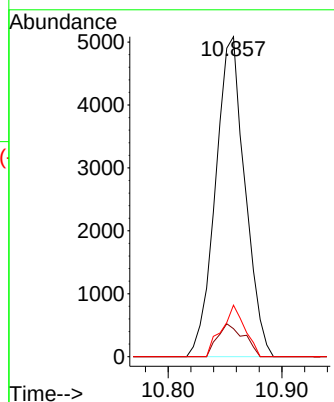
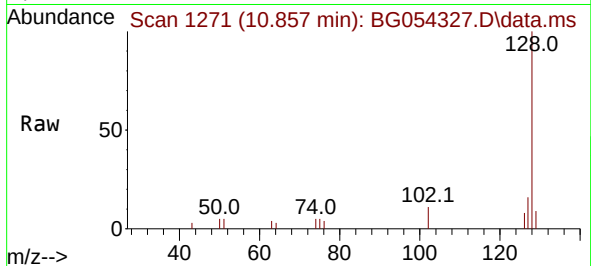




#31
Naphthalene
Concen: 2.386 ng
RT: 10.857 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

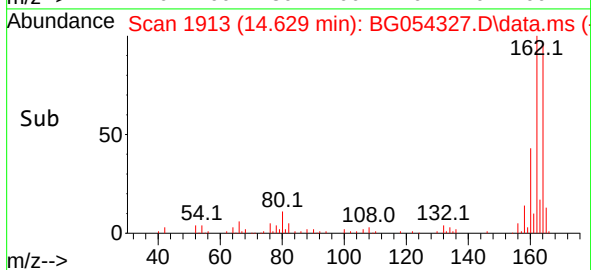
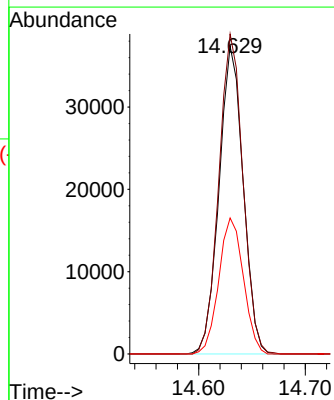
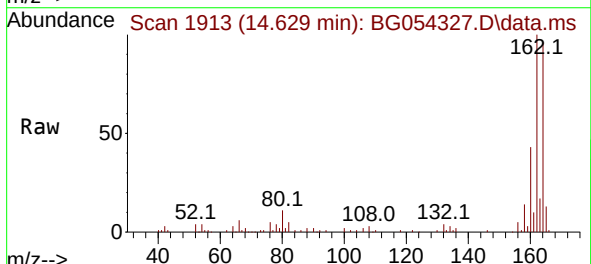
Instrument :
BNA_G
ClientSampleId :
TP-1

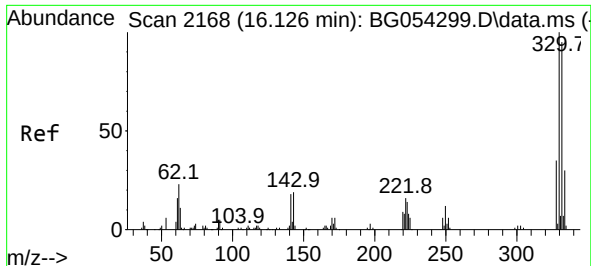
Tgt Ion:128 Resp: 9127
Ion Ratio Lower Upper
128 100
129 8.7 9.0 13.6#
127 16.1 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.629 min Scan# 1913
Delta R.T. -0.004 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:164 Resp: 58781
Ion Ratio Lower Upper
164 100
162 104.0 82.3 123.5
160 44.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 97.631 ng

RT: 16.122 min Scan# 2168

Delta R.T. -0.004 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

Instrument :

BNA_G

ClientSampleId :

TP-1

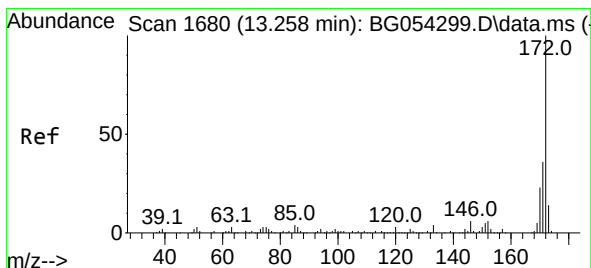
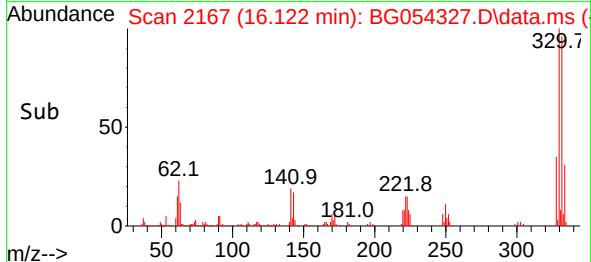
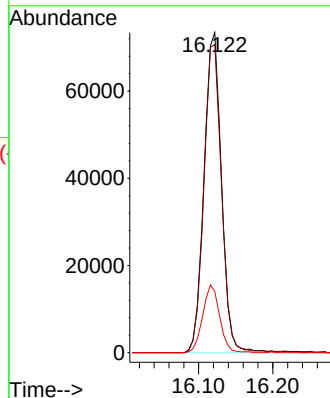
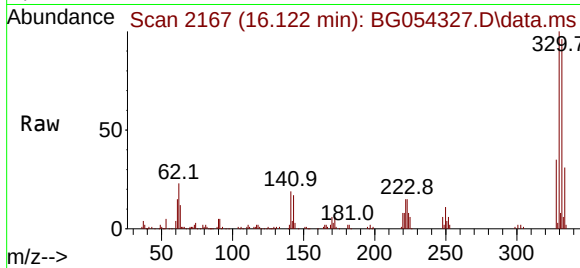
Tgt Ion:330 Resp: 120494

Ion Ratio Lower Upper

330 100

332 97.1 76.0 114.0

141 20.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 64.349 ng

RT: 13.255 min Scan# 1679

Delta R.T. -0.004 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

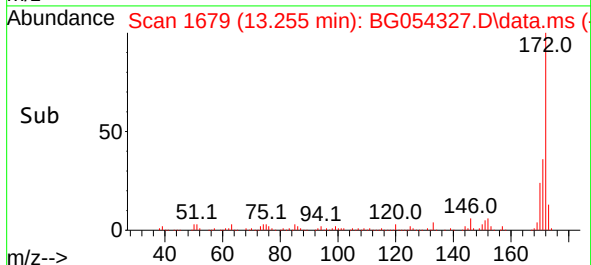
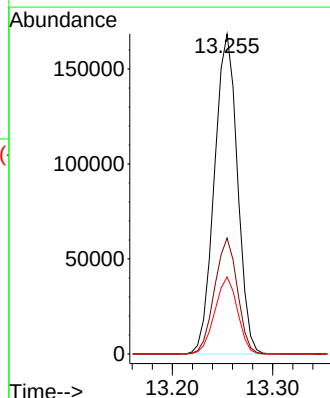
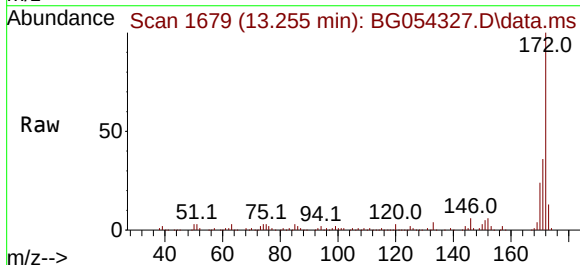
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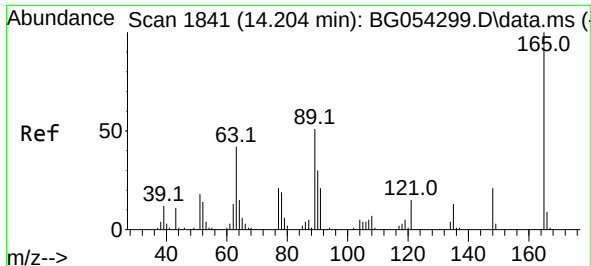
Ion Ratio Lower Upper

172 100

171 36.2 28.5 42.7

170 24.1 18.9 28.3

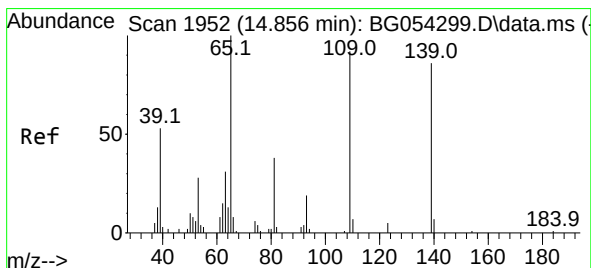
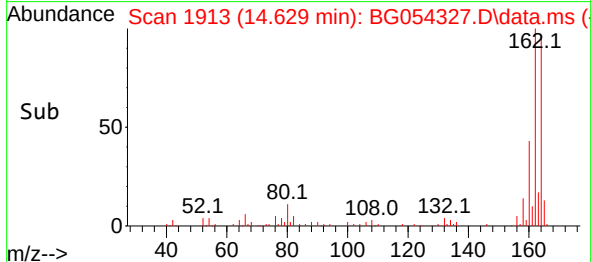
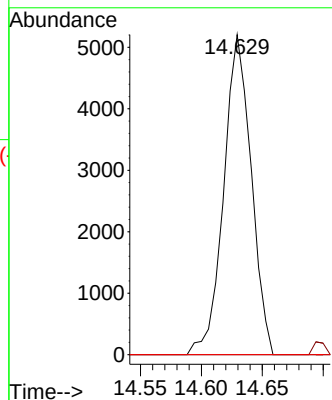
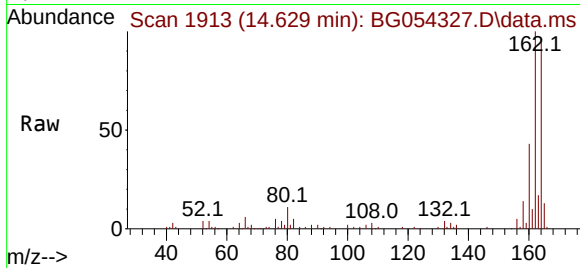




#51
2,6-Dinitrotoluene
Concen: 8.122 ng
RT: 14.629 min Scan# 1913
Delta R.T. 0.425 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

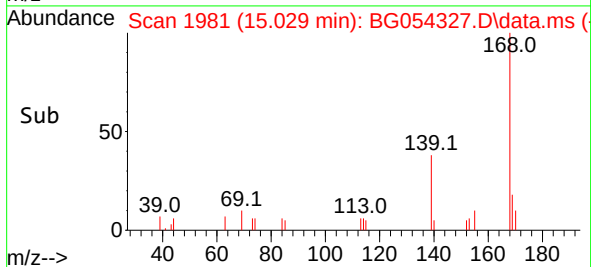
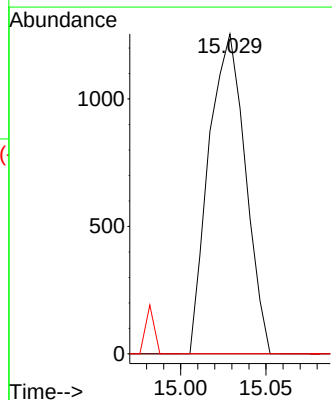
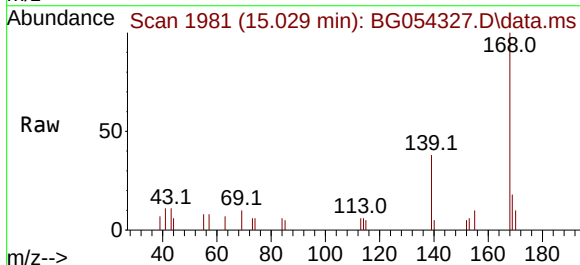
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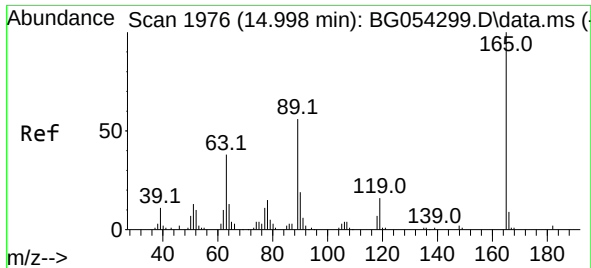
Tgt Ion:165 Resp: 8179
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 3.331 ng
RT: 15.029 min Scan# 1981
Delta R.T. 0.173 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:139 Resp: 1872
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

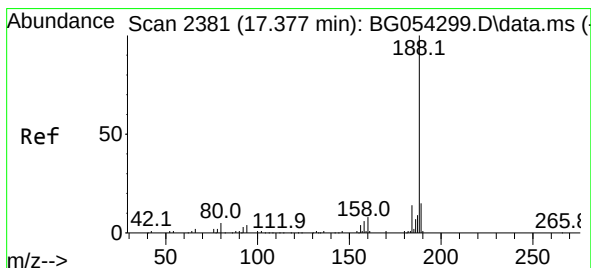
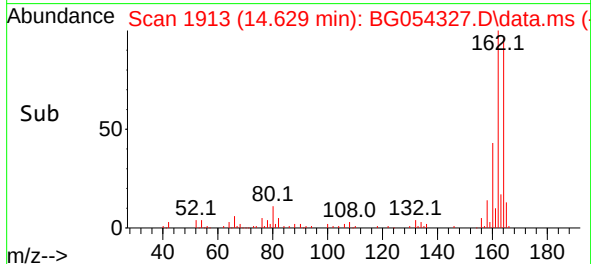
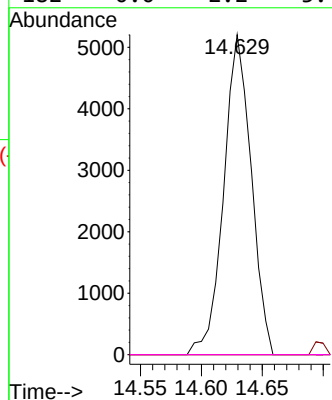
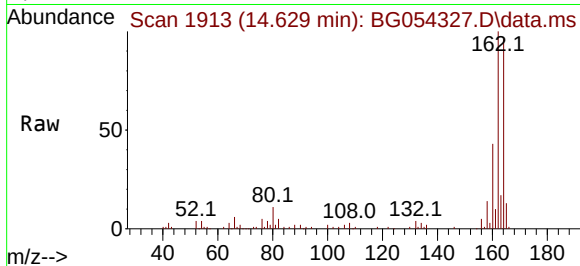




#57
2,4-Dinitrotoluene
Concen: 5.665 ng
RT: 14.629 min Scan# 1976
Delta R.T. -0.368 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

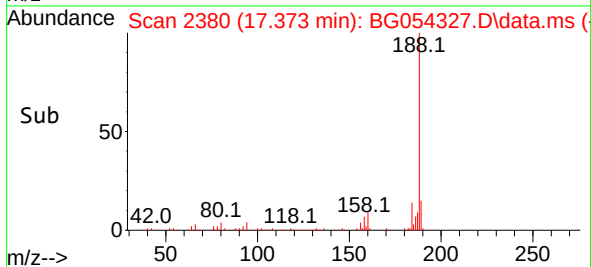
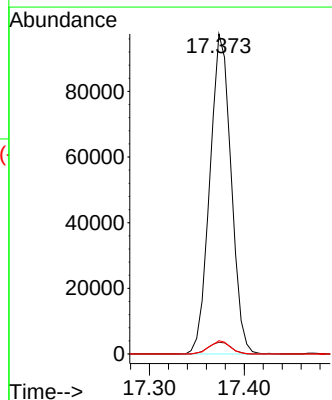
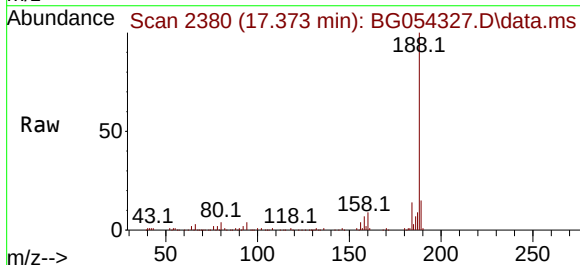
Instrument :
BNA_G
ClientSampleId :
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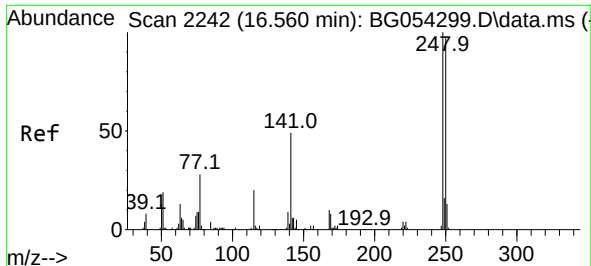
Tgt Ion:165 Resp: 8179
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.373 min Scan# 2380
Delta R.T. -0.004 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:188 Resp: 151823
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.2 6.8 10.2#

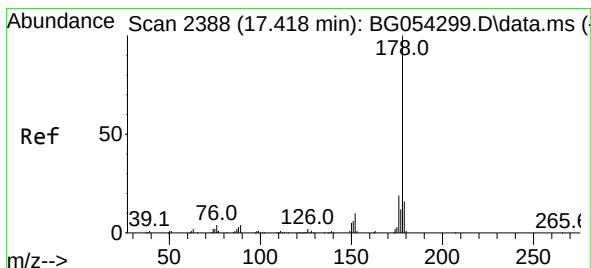
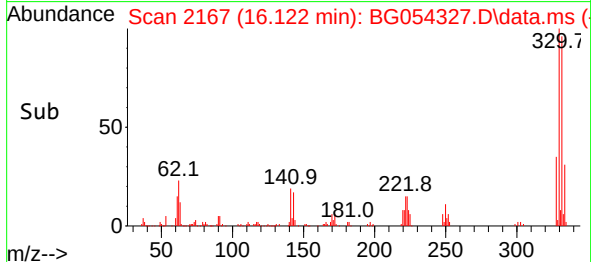
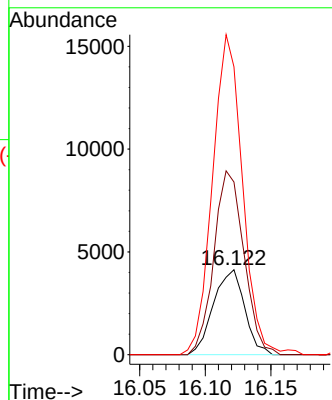
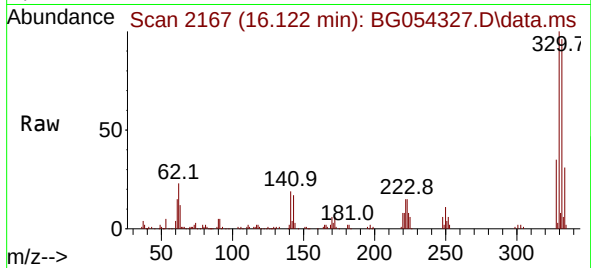




#67
4-Bromophenyl-phenylether
Concen: 3.197 ng
RT: 16.122 min Scan# 2167
Delta R.T. -0.439 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

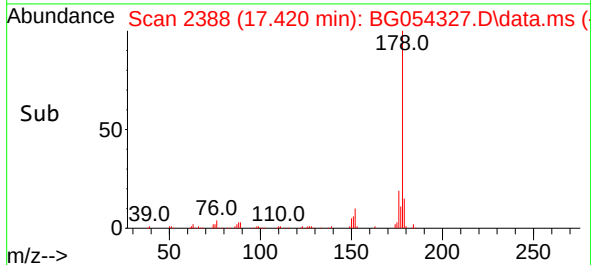
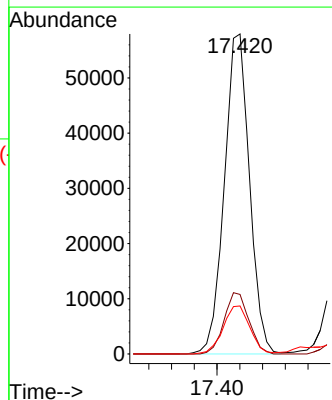
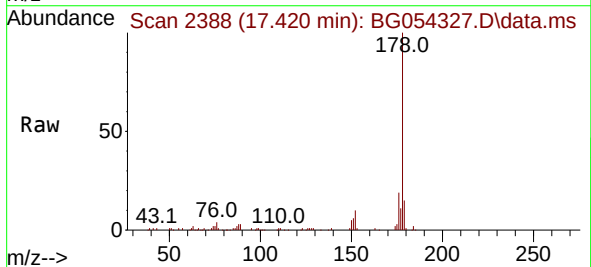
Instrument :
BNA_G
ClientSampleId :
TP-1

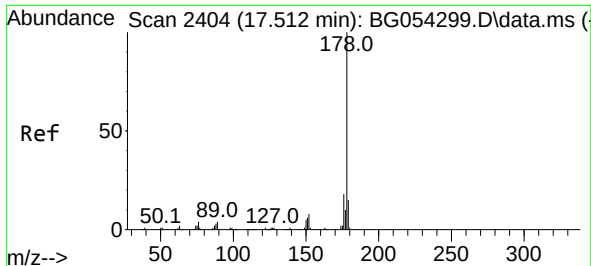
Tgt Ion:248 Resp: 6816
Ion Ratio Lower Upper
248 100
250 271.7 75.2 112.8#
141 338.8 50.0 75.0#



#71
Phenanthrene
Concen: 11.761 ng
RT: 17.420 min Scan# 2388
Delta R.T. 0.002 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:178 Resp: 88920
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 15.0 12.1 18.1

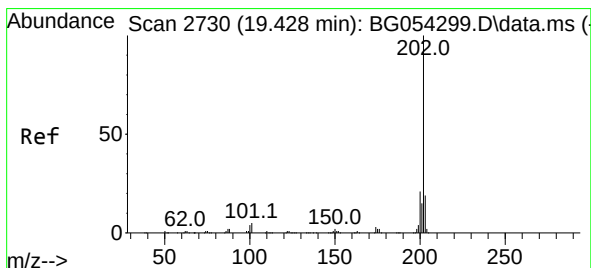
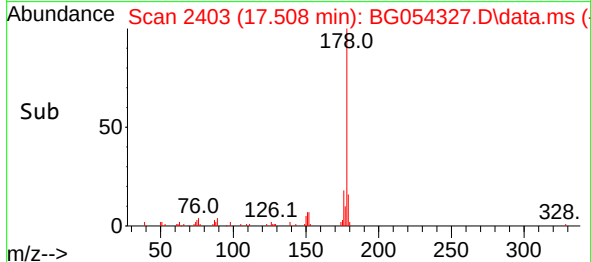
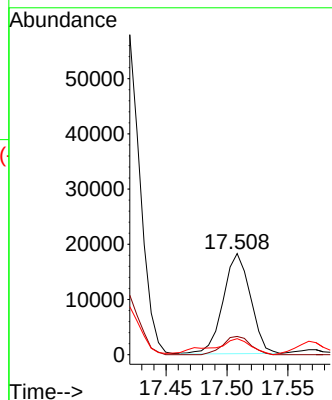
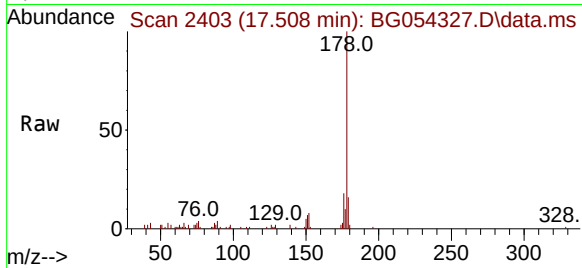




#72
 Anthracene
 Concen: 3.812 ng
 RT: 17.508 min Scan# 2403
 Delta R.T. -0.004 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

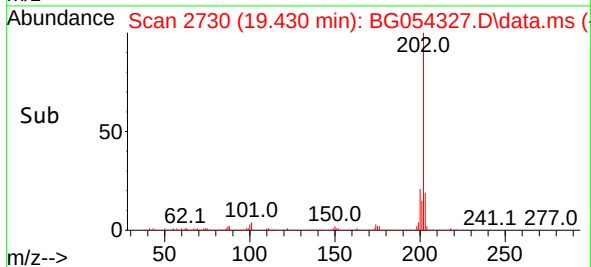
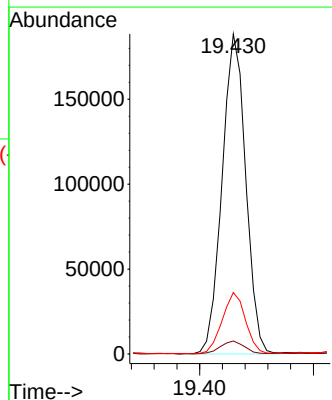
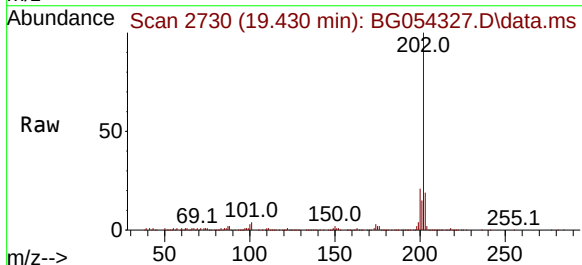
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

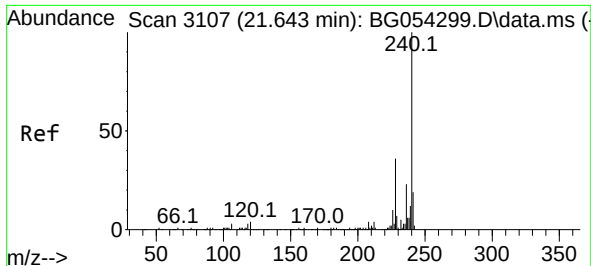
Tgt Ion:178 Resp: 28281
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.2 22.8
 179 15.9 13.0 19.4



#75
 Fluoranthene
 Concen: 26.420 ng
 RT: 19.430 min Scan# 2730
 Delta R.T. 0.002 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

Tgt Ion:202 Resp: 272293
 Ion Ratio Lower Upper
 202 100
 101 4.1 0.0 26.9
 203 19.2 0.0 37.2

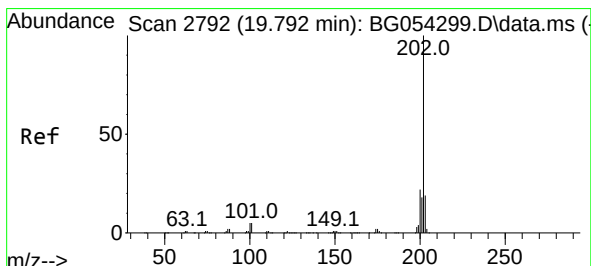
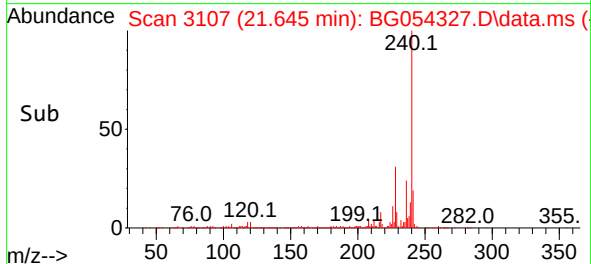
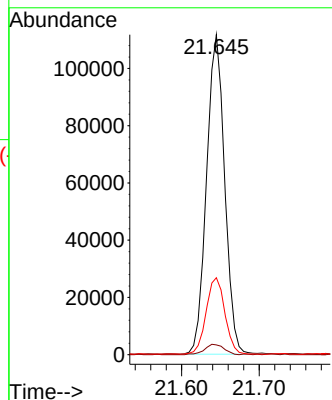
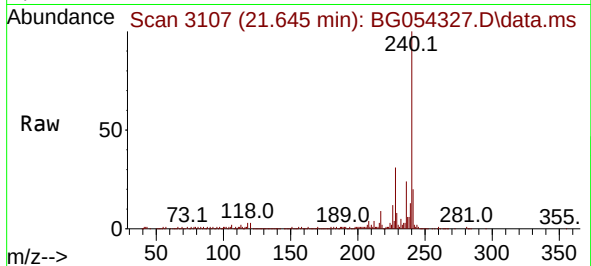




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3107
Delta R.T. 0.002 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

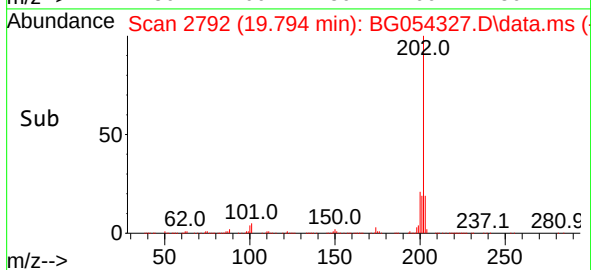
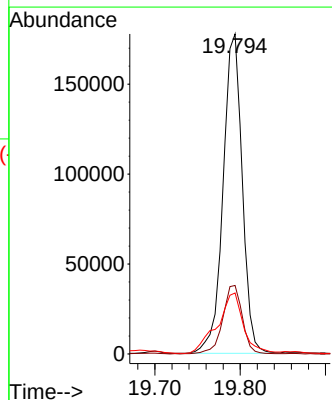
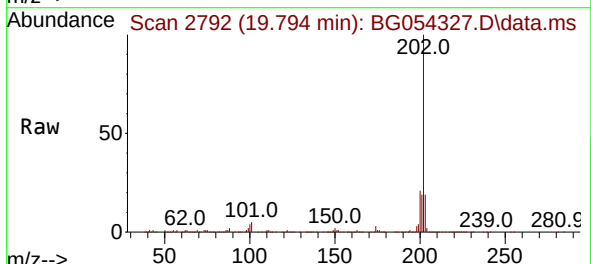
Instrument :
BNA_G
ClientSampleId :
TP-1

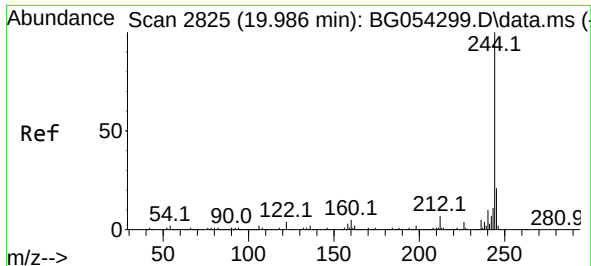
Tgt Ion:240 Resp: 181121
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 24.0 20.2 30.4



#78
Pyrene
Concen: 26.639 ng
RT: 19.794 min Scan# 2792
Delta R.T. 0.002 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:202 Resp: 276848
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 19.1 14.6 21.8

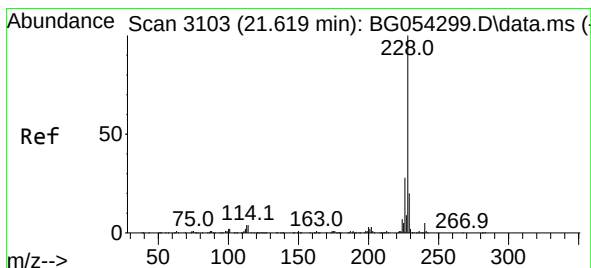
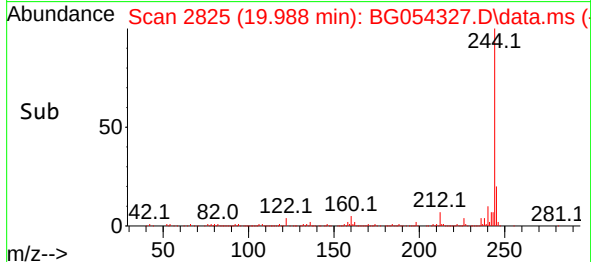
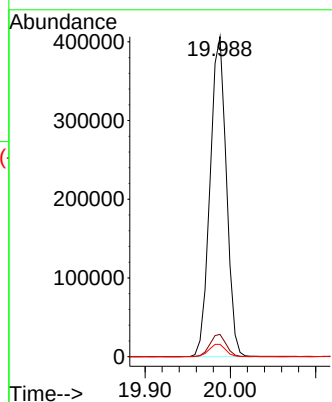
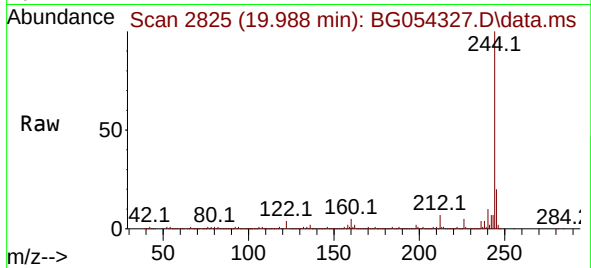




#79
 Terphenyl-d14
 Concen: 59.350 ng
 RT: 19.988 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

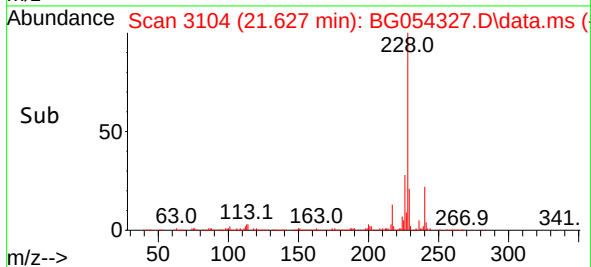
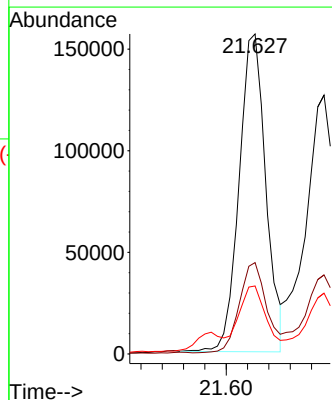
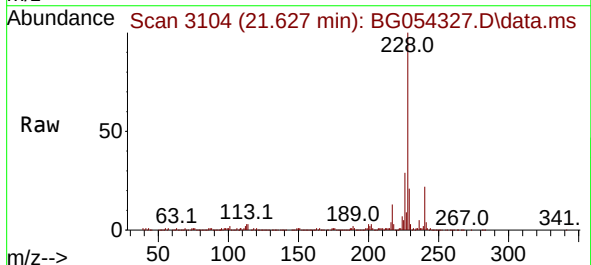
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

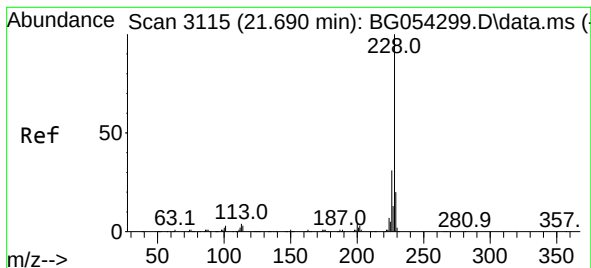
Tgt Ion:244 Resp: 541867
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 3.9 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 23.697 ng
 RT: 21.627 min Scan# 3104
 Delta R.T. 0.008 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

Tgt Ion:228 Resp: 272458
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 21.3 16.2 24.2





#83

Chrysene

Concen: 25.083 ng

RT: 21.627 min Scan# 3115

Delta R.T. -0.063 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

Instrument :

BNA_G

ClientSampleId :

TP-1

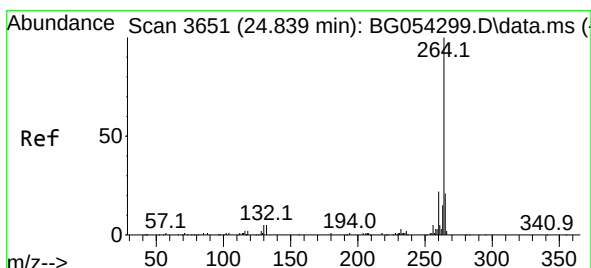
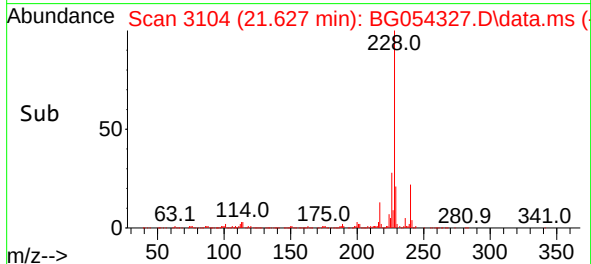
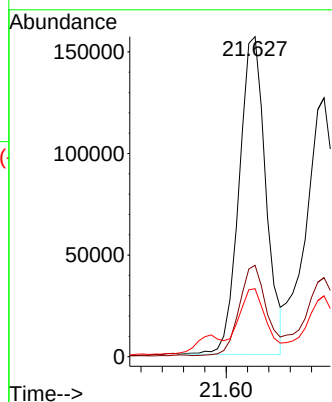
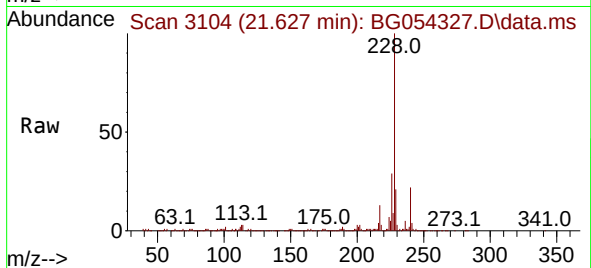
Tgt Ion:228 Resp: 272458

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.2

229 21.3 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.853 min Scan# 3653

Delta R.T. 0.014 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

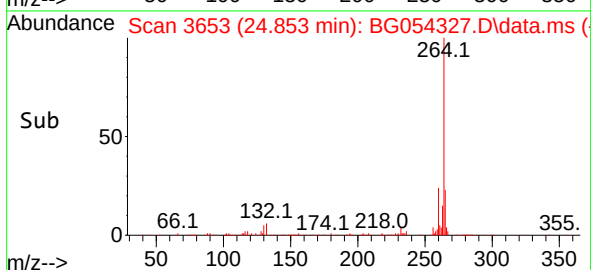
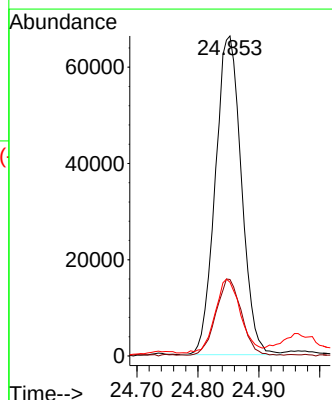
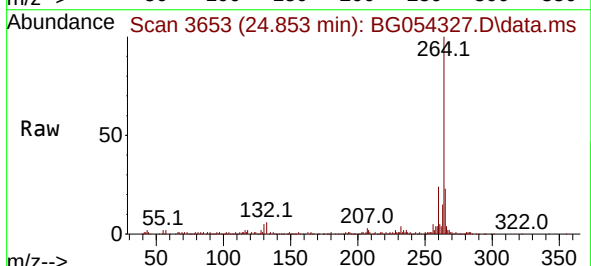
Tgt Ion:264 Resp: 196943

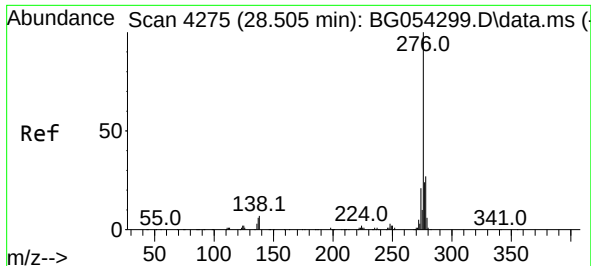
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 23.1 17.4 26.2

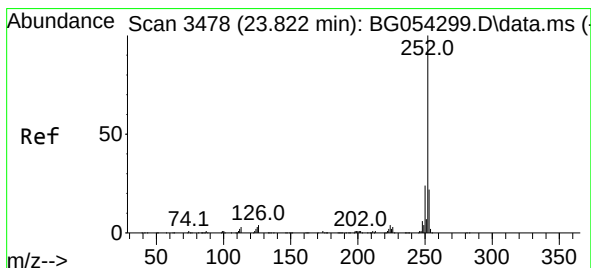
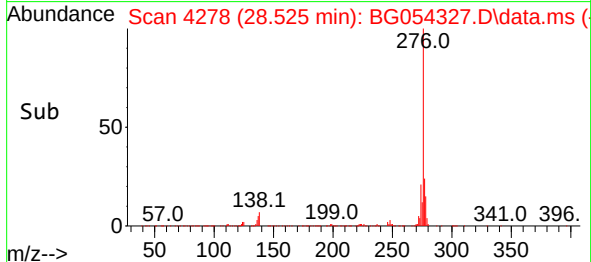
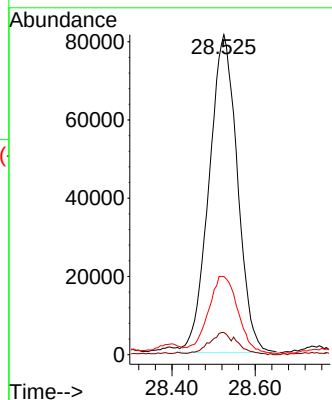
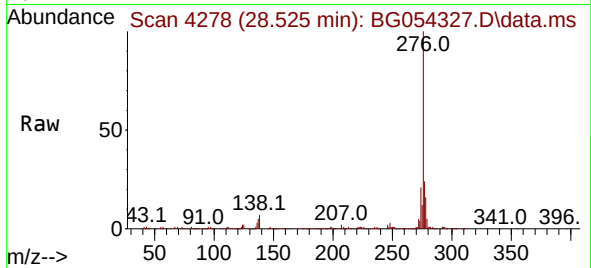




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 25.653 ng
 RT: 28.525 min Scan# 41
 Delta R.T. 0.020 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

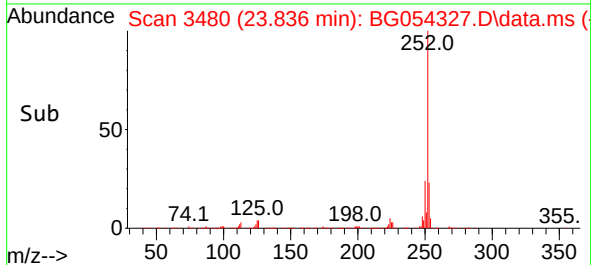
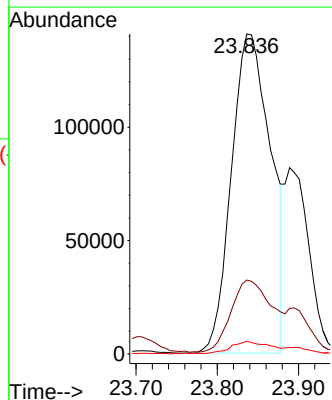
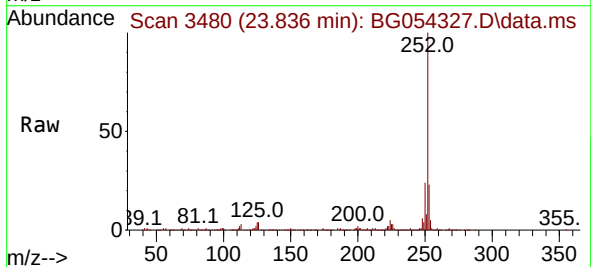
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

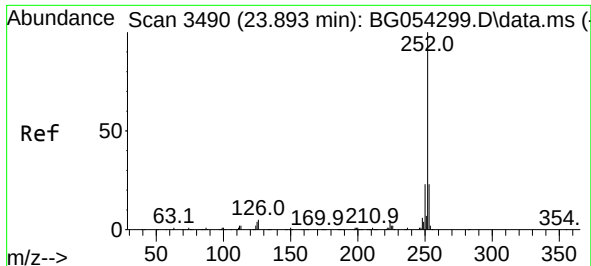
Tgt Ion:276 Resp: 384345
 Ion Ratio Lower Upper
 276 100
 138 7.0 5.0 7.4
 277 25.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 40.467 ng
 RT: 23.836 min Scan# 3480
 Delta R.T. 0.014 min
 Lab File: BG054327.D
 Acq: 20 Jul 2022 14:35

Tgt Ion:252 Resp: 471314
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.0 27.0
 125 4.0 4.6 6.8#

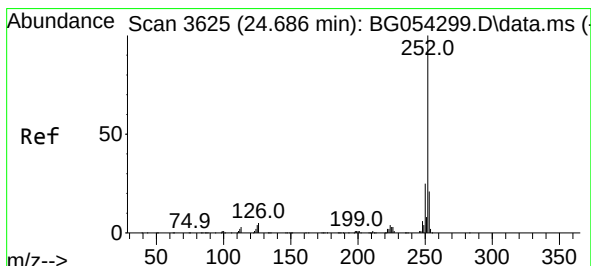
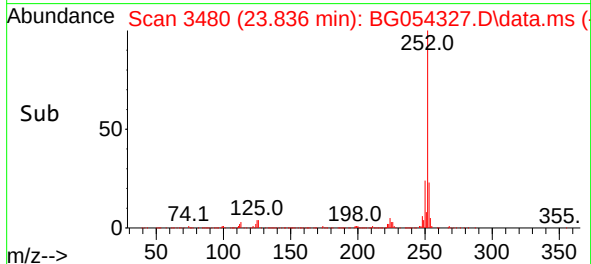
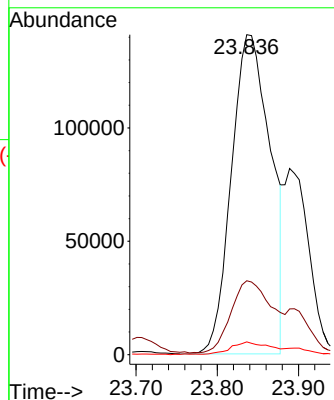
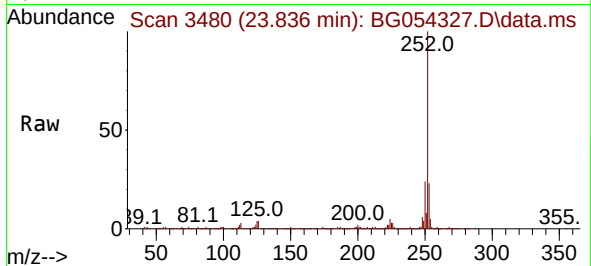




#89
Benzo(k)fluoranthene
Concen: 40.661 ng
RT: 23.836 min Scan# 34
Delta R.T. -0.057 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

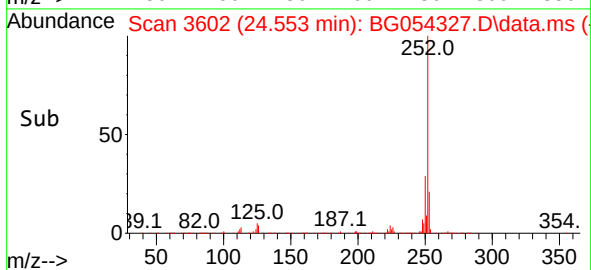
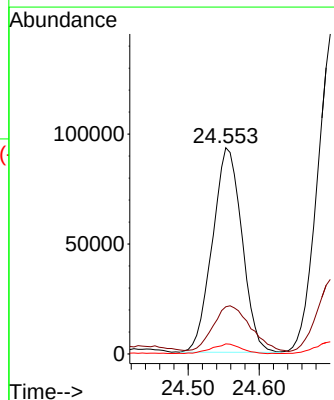
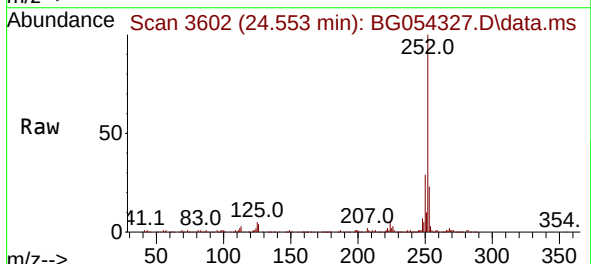
Instrument :
BNA_G
ClientSampleId :
TP-1

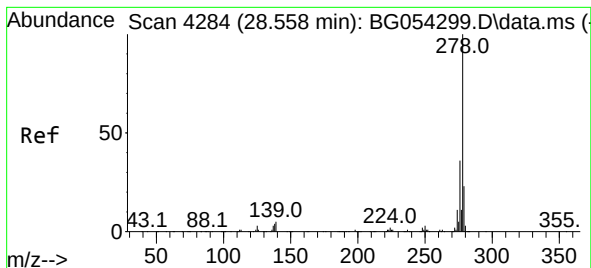
Tgt Ion:252 Resp: 471314
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 4.0 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 26.972 ng
RT: 24.553 min Scan# 3602
Delta R.T. -0.133 min
Lab File: BG054327.D
Acq: 20 Jul 2022 14:35

Tgt Ion:252 Resp: 268280
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.9 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 7.499 ng

RT: 28.560 min Scan# 41

Delta R.T. 0.002 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

Instrument :

BNA_G

ClientSampleId :

TP-1

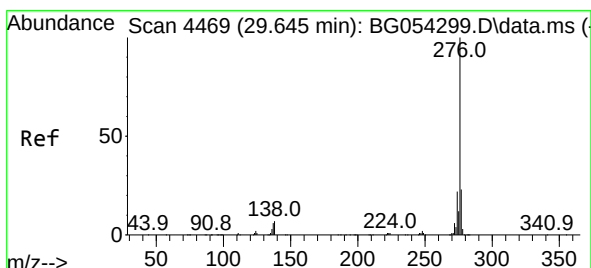
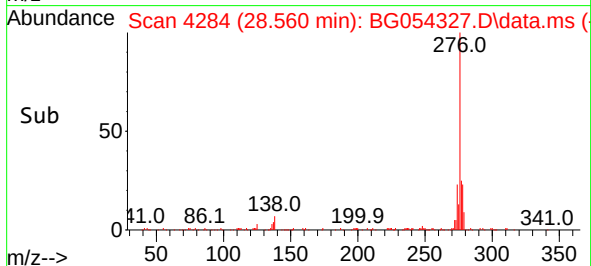
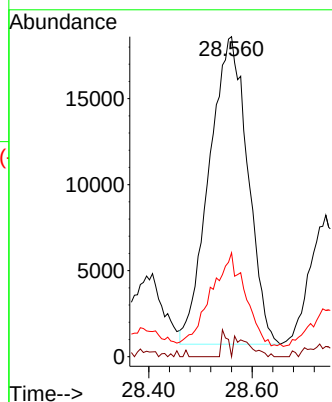
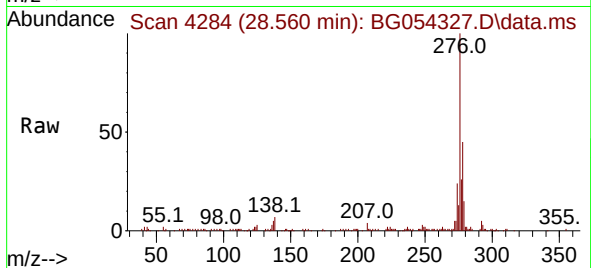
Tgt Ion:278 Resp: 92382

Ion Ratio Lower Upper

278 100

139 0.0 7.2 10.8#

279 32.4 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 32.568 ng

RT: 29.676 min Scan# 4474

Delta R.T. 0.031 min

Lab File: BG054327.D

Acq: 20 Jul 2022 14:35

Tgt Ion:276 Resp: 395998

Ion Ratio Lower Upper

276 100

277 24.6 17.3 25.9

138 7.6 9.6 14.4#

