

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054418.D
 Acq On : 27 Jul 2022 16:21
 Operator : CG/JU
 Sample : N3891-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Jul 28 04:34:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

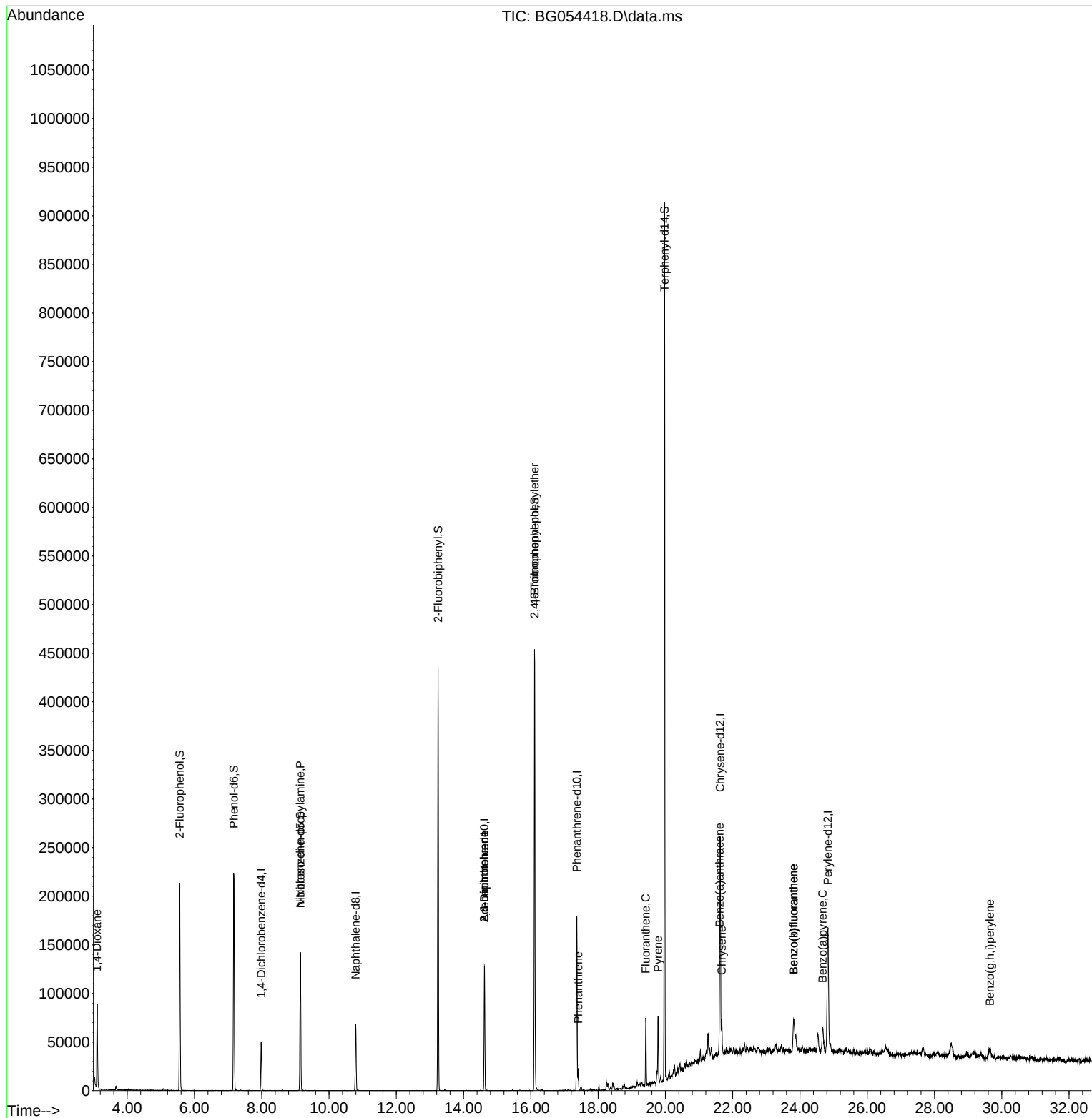
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	15971	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	62827	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	53195	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	131621	20.000	ng	# 0.00
76) Chrysene-d12	21.627	240	145814	20.000	ng	# 0.00
86) Perylene-d12	24.829	264	154935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	93696	122.488	ng	0.00
7) Phenol-d6	7.168	99	128875	122.954	ng	0.00
23) Nitrobenzene-d5	9.148	82	88020	76.294	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	127034	113.738	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	255284	67.700	ng	0.00
79) Terphenyl-d14	19.976	244	511227	69.553	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.102	88	906	2.977	ng	# 1
9) Benzaldehyde	7.173	77	74	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.148	70	12413	17.735	ng	# 82
51) 2,6-Dinitrotoluene	14.618	165	7603	8.342	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7603	5.819	ng	# 21
67) 4-Bromophenyl-phenylether	16.110	248	7713	4.172	ng	# 1
71) Phenanthrene	17.409	178	16751	2.556	ng	96
75) Fluoranthene	19.418	202	47901	5.361	ng	97
78) Pyrene	19.782	202	48651	5.815	ng	97
81) Benzo(a)anthracene	21.610	228	31006	3.350	ng	95
83) Chrysene	21.674	228	29001	3.316	ng	94
88) Benzo(b)fluoranthene	23.813	252	44916	4.902	ng	98
89) Benzo(k)fluoranthene	23.813	252	44916	4.926	ng	99
90) Benzo(a)pyrene	24.676	252	32010	4.091	ng	98
92) Benzo(g,h,i)perylene	29.653	276	23234	2.429	ng	# 94

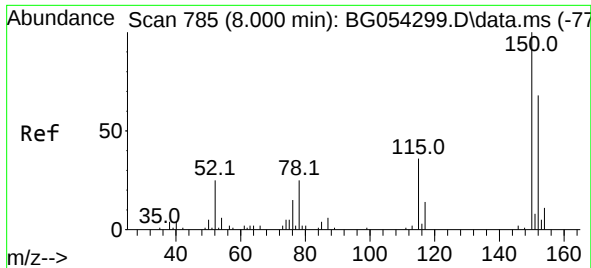
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
Data File : BG054418.D
Acq On : 27 Jul 2022 16:21
Operator : CG/JU
Sample : N3891-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-1

Quant Time: Jul 28 04:34:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

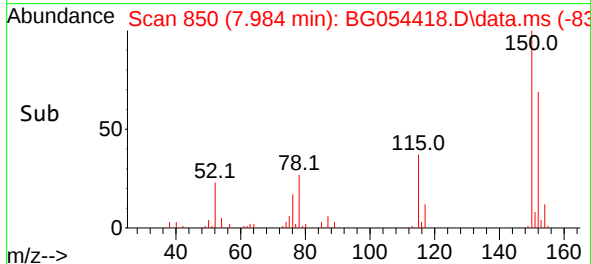
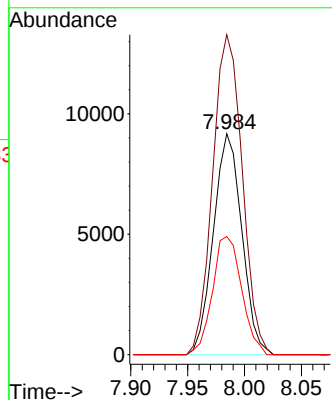
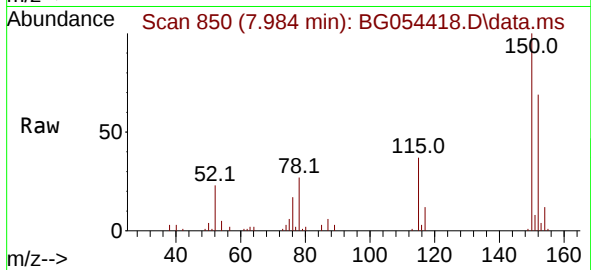




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 8
 Delta R.T. -0.004 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

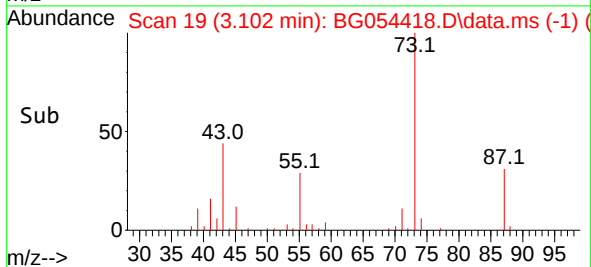
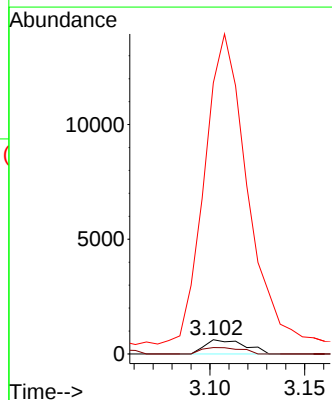
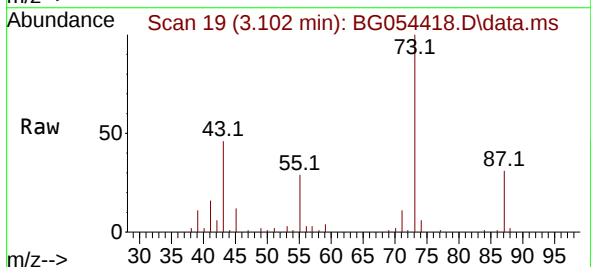
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:152 Resp: 15971
 Ion Ratio Lower Upper
 152 100
 150 144.8 131.6 197.4
 115 53.5 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.977 ng
 RT: 3.102 min Scan# 19
 Delta R.T. -0.315 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

Tgt Ion: 88 Resp: 906
 Ion Ratio Lower Upper
 88 100
 58 45.0 59.2 88.8#
 43 2464.8 24.3 36.5#

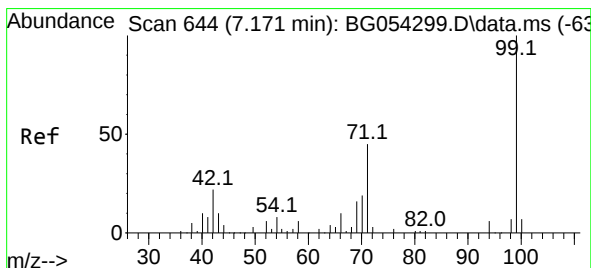
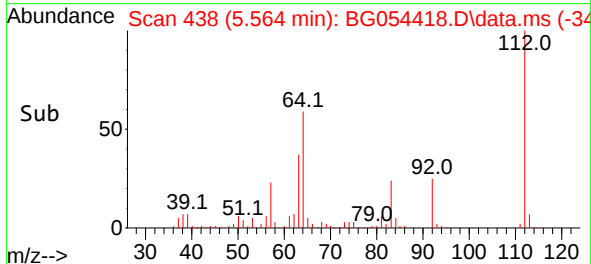
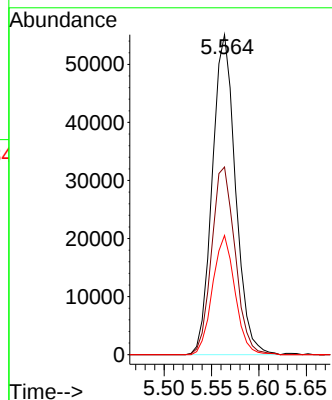
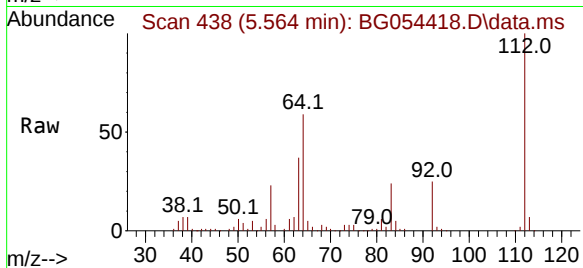




#5
2-Fluorophenol
Concen: 122.488 ng
RT: 5.564 min Scan# 411
Delta R.T. 0.002 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

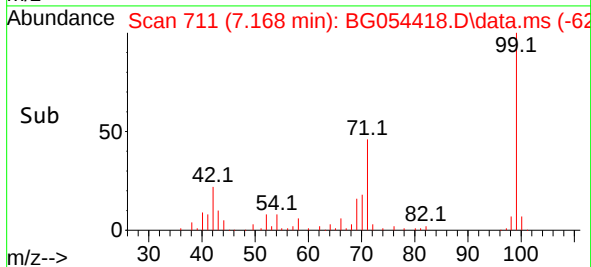
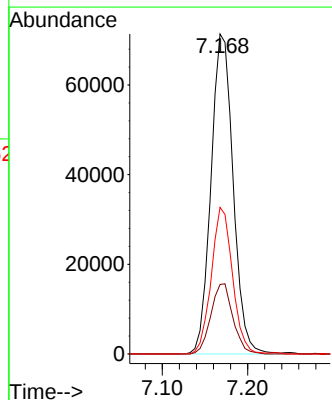
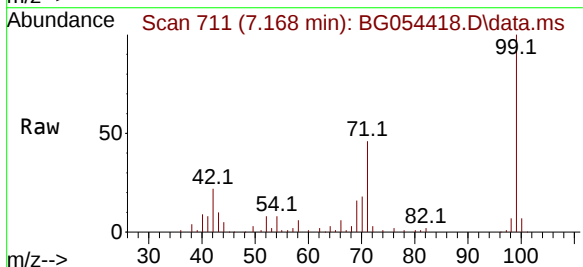
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:112 Resp: 93696
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 37.3 30.4 45.6



#7
Phenol-d6
Concen: 122.954 ng
RT: 7.168 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion: 99 Resp: 128875
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 45.8 33.8 50.8

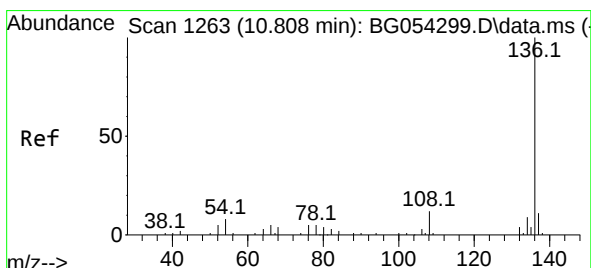
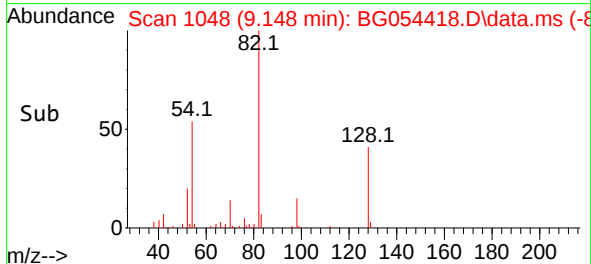
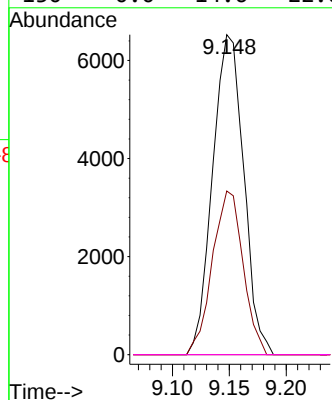
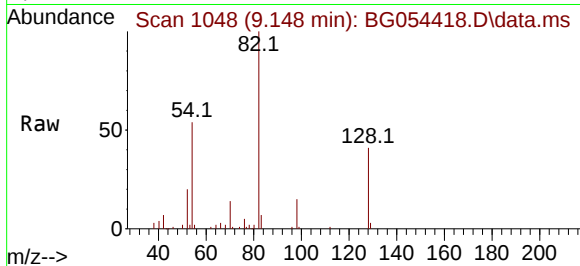




#19
n-Nitroso-di-n-propylamine
Concen: 17.735 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.354 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

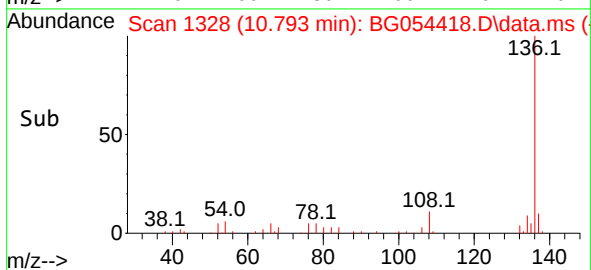
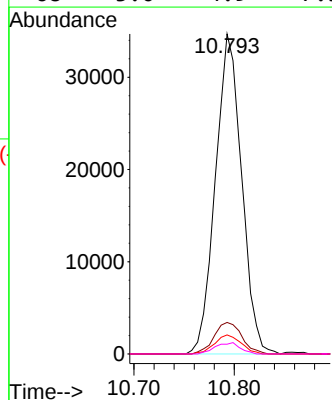
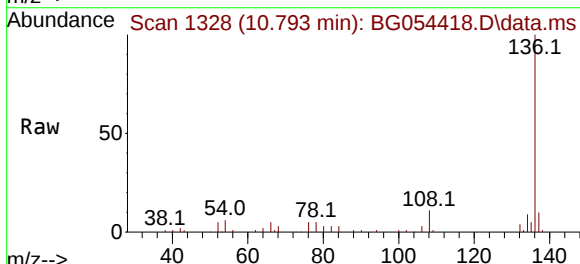
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 70	Resp: 12413
Ion Ratio	Lower Upper
70 100	
42 51.1	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: 10.793 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt	Ion:136	Resp:	62827
Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.5	12.7
54	6.0	7.4	11.2#
68	3.0	4.9	7.3#

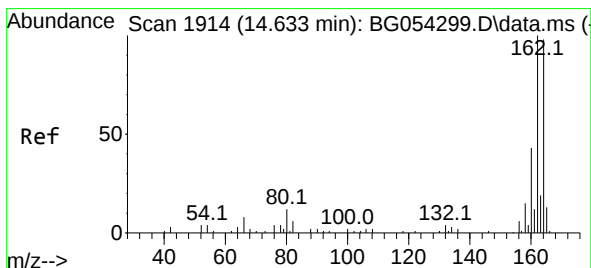
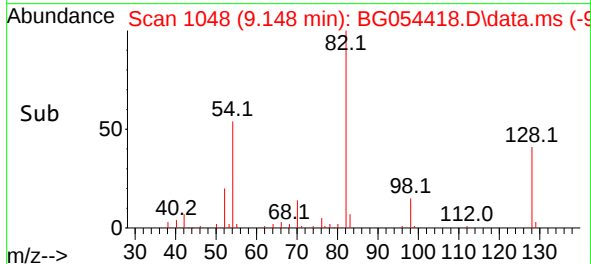
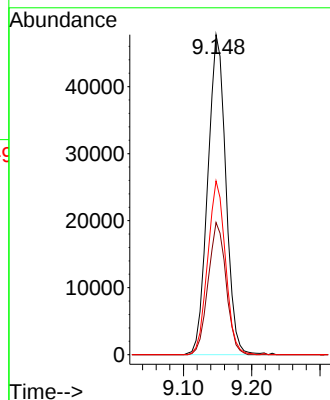
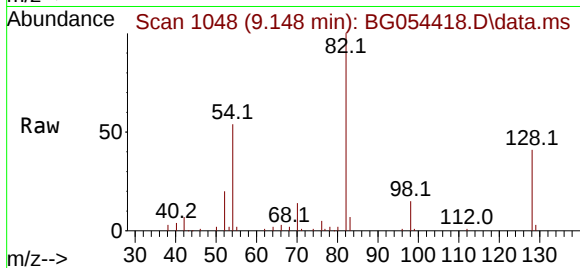




#23
Nitrobenzene-d5
Concen: 76.294 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

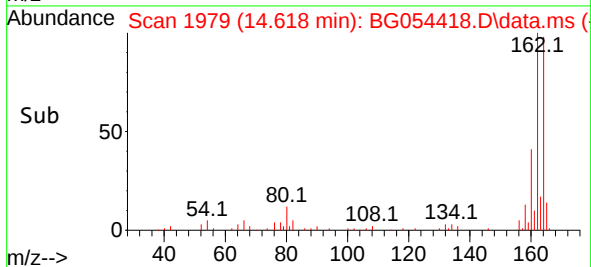
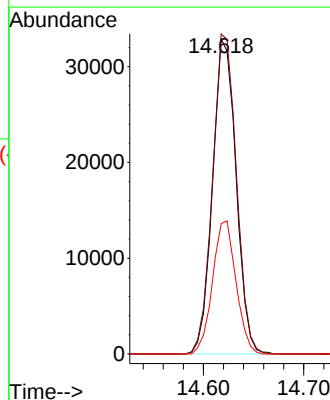
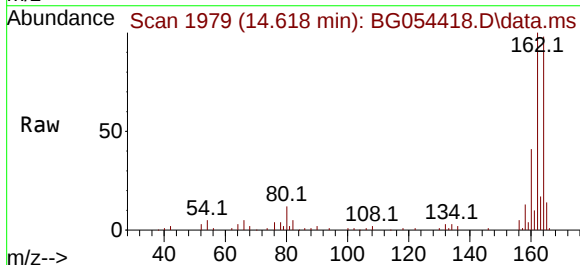
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 88020
Ion Ratio Lower Upper
82 100
128 41.3 27.9 41.9
54 54.3 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:164 Resp: 53195
Ion Ratio Lower Upper
164 100
162 101.6 82.3 123.5
160 41.4 34.2 51.2

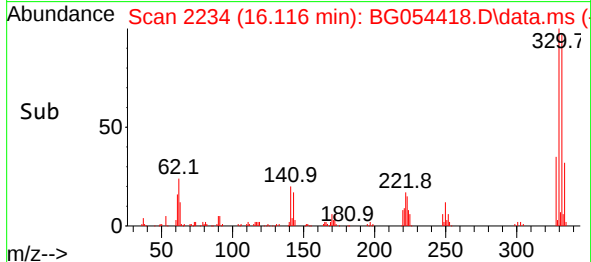
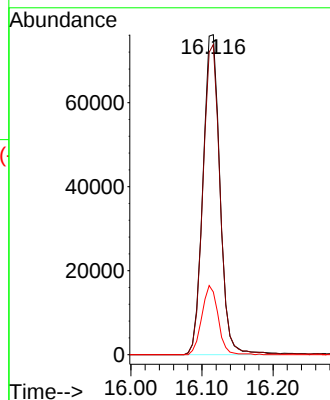
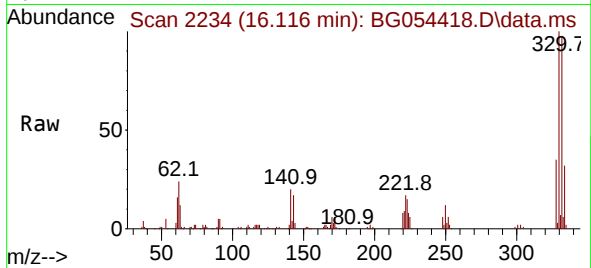




#42
 2,4,6-Tribromophenol
 Concen: 113.738 ng
 RT: 16.116 min Scan# 2168
 Delta R.T. 0.002 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

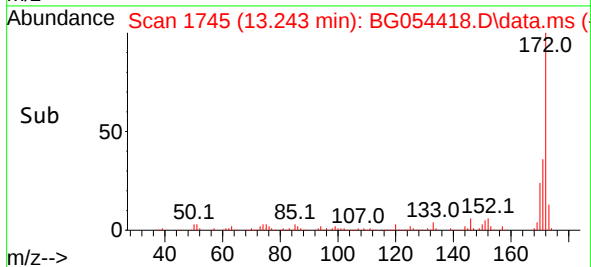
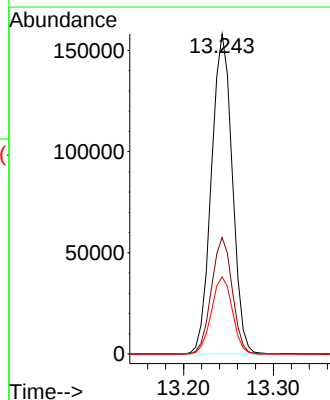
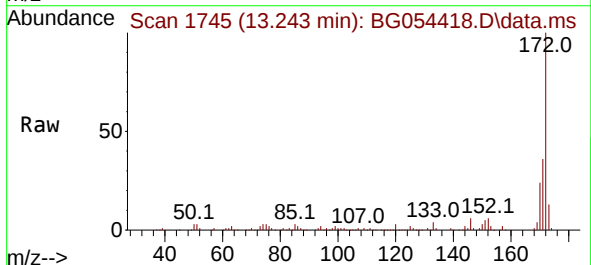
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:330 Resp: 127034
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.0 114.0
 141 20.7 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 67.700 ng
 RT: 13.243 min Scan# 1745
 Delta R.T. -0.004 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

Tgt Ion:172 Resp: 255284
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.5 42.7
 170 24.1 18.9 28.3

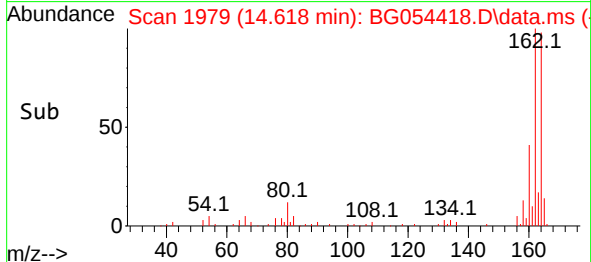
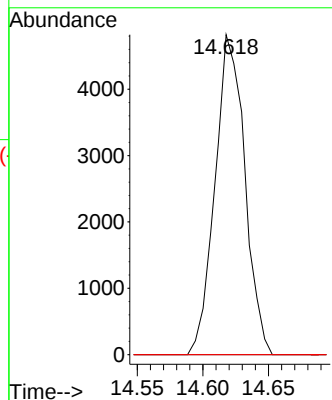
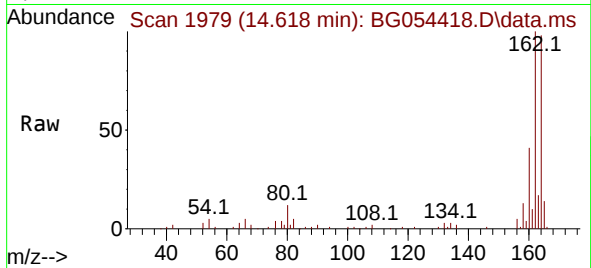




#51
2,6-Dinitrotoluene
Concen: 8.342 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.419 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

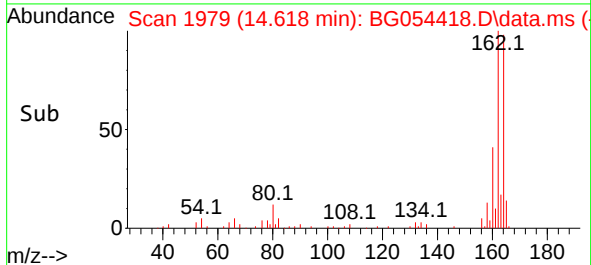
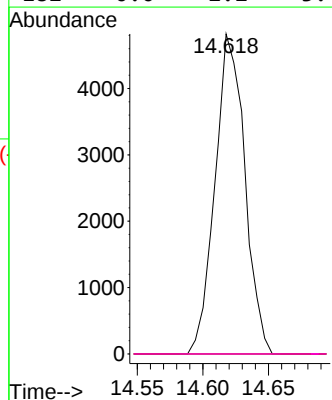
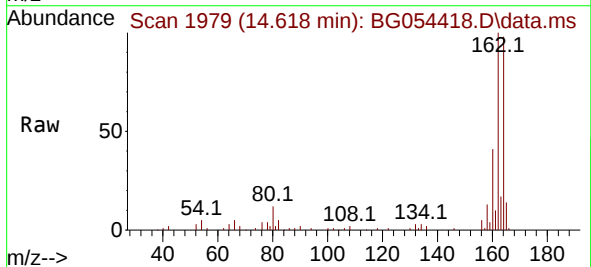
Instrument :
BNA_G
ClientSampleId :
TP-1

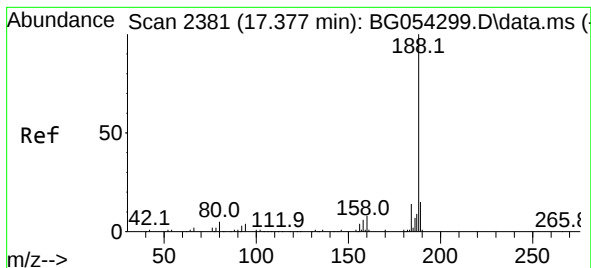
Tgt Ion:165 Resp: 7603
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.819 ng
RT: 14.618 min Scan# 1979
Delta R.T. -0.374 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:165 Resp: 7603
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: 17.367 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-1

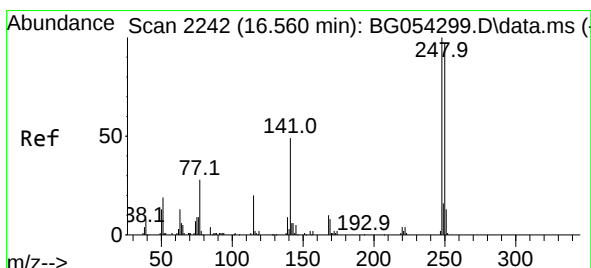
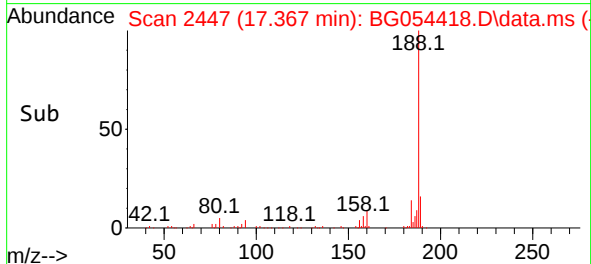
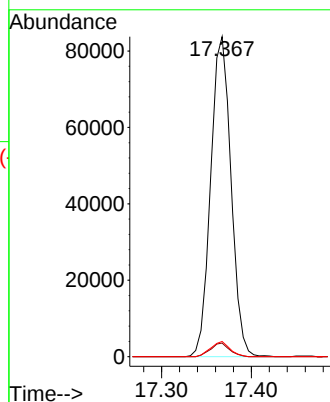
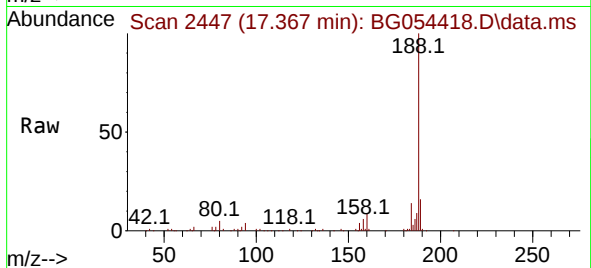
Tgt Ion:188 Resp: 131621

Ion Ratio Lower Upper

188 100

94 4.2 5.4 8.0#

80 4.7 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 4.172 ng

RT: 16.110 min Scan# 2233

Delta R.T. -0.445 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

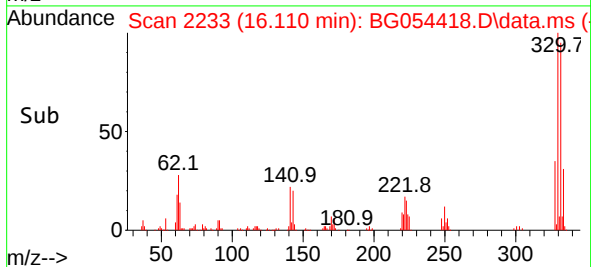
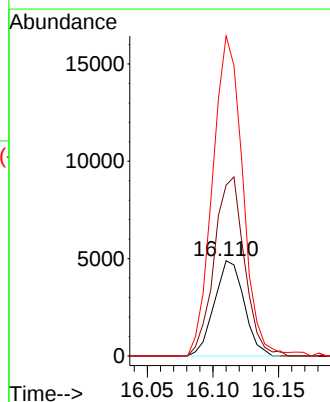
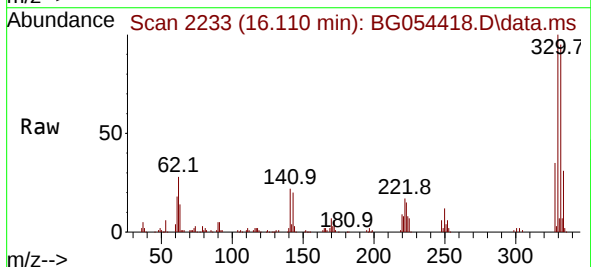
Tgt Ion:248 Resp: 7713

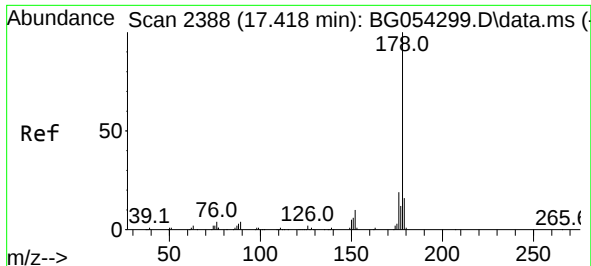
Ion Ratio Lower Upper

248 100

250 179.3 75.2 112.8#

141 335.9 50.0 75.0#

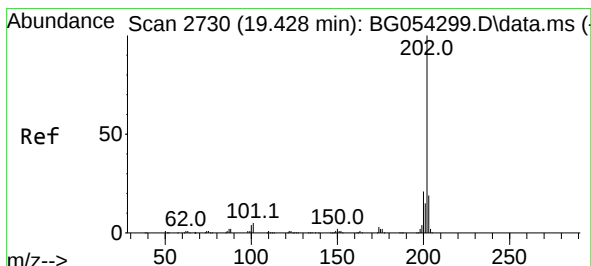
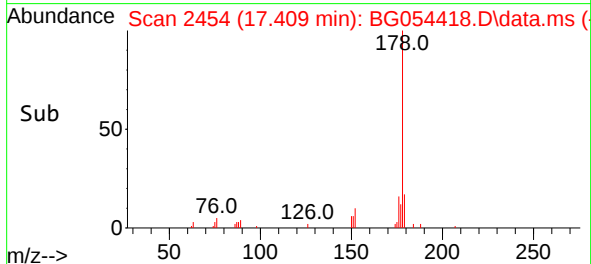
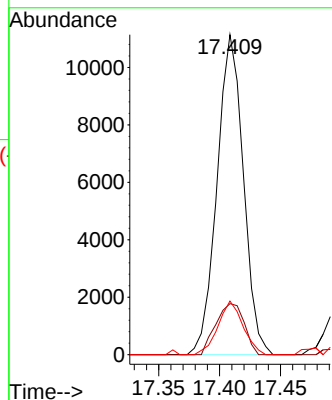
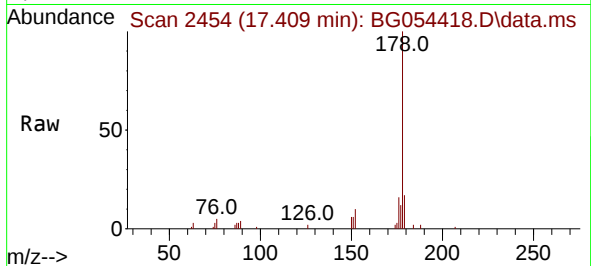




#71
Phenanthrene
Concen: 2.556 ng
RT: 17.409 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

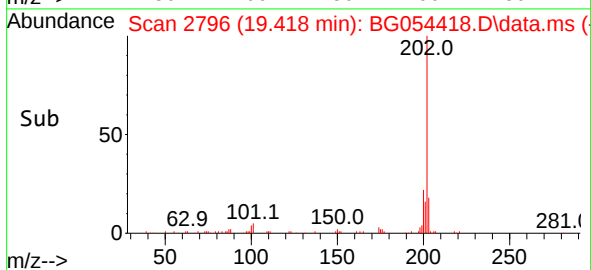
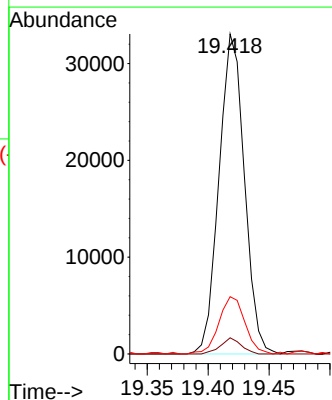
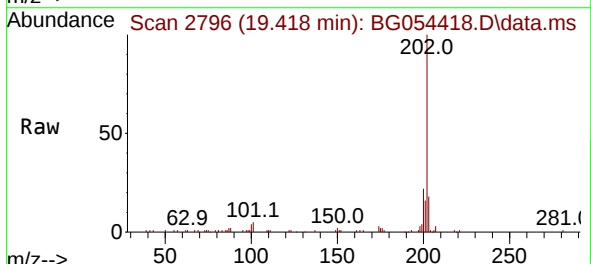
Instrument :
BNA_G
ClientSampleId :
TP-1

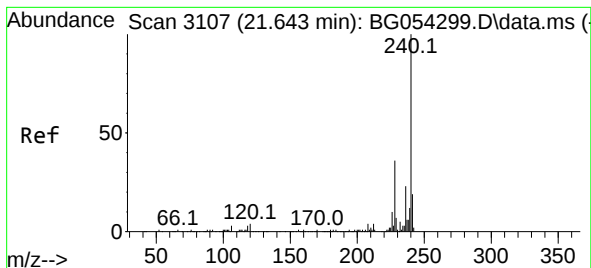
Tgt Ion:178 Resp: 16751
Ion Ratio Lower Upper
178 100
176 16.0 14.1 21.1
179 16.8 12.1 18.1



#75
Fluoranthene
Concen: 5.361 ng
RT: 19.418 min Scan# 2796
Delta R.T. -0.004 min
Lab File: BG054418.D
Acq: 27 Jul 2022 16:21

Tgt Ion:202 Resp: 47901
Ion Ratio Lower Upper
202 100
101 5.1 0.0 26.9
203 17.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.627 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-1

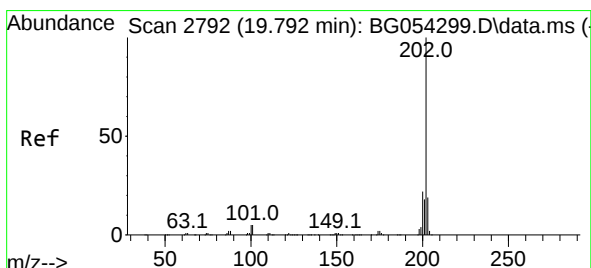
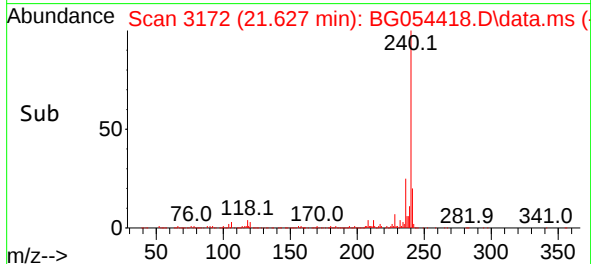
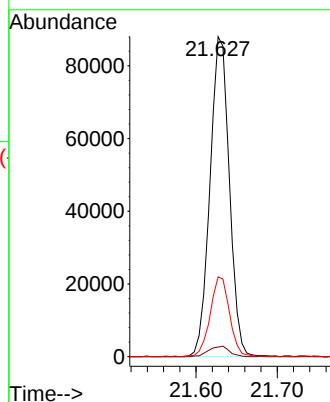
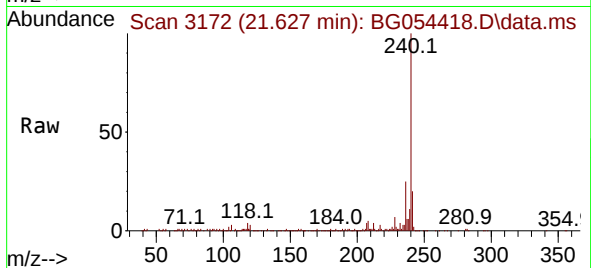
Tgt Ion:240 Resp: 145814

Ion Ratio Lower Upper

240 100

120 3.0 4.6 7.0#

236 24.9 20.2 30.4



#78

Pyrene

Concen: 5.815 ng

RT: 19.782 min Scan# 2858

Delta R.T. -0.004 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

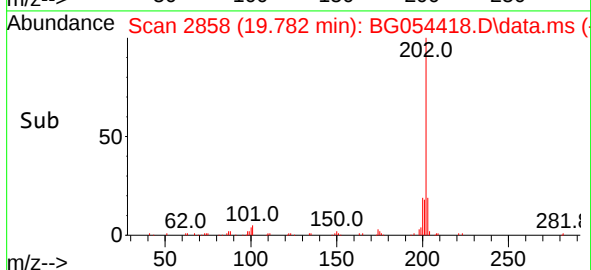
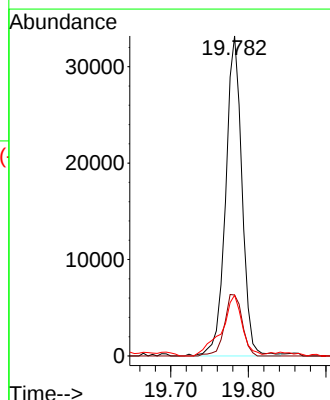
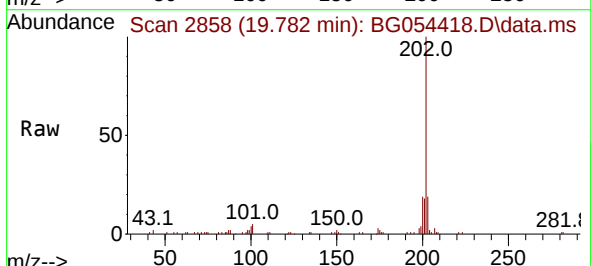
Tgt Ion:202 Resp: 48651

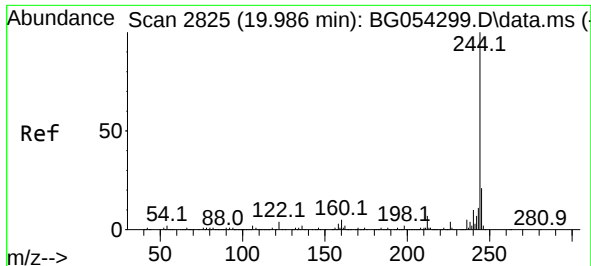
Ion Ratio Lower Upper

202 100

200 19.1 16.6 24.8

203 19.0 14.6 21.8

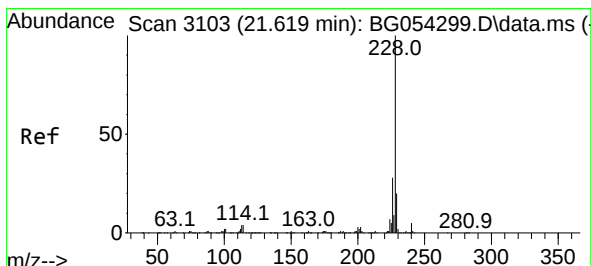
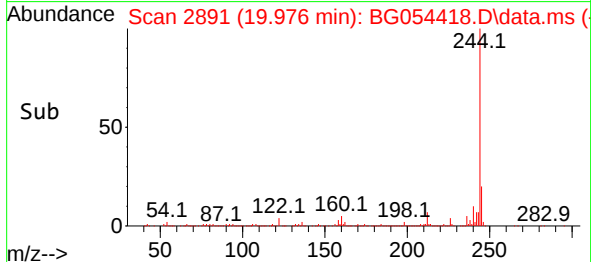
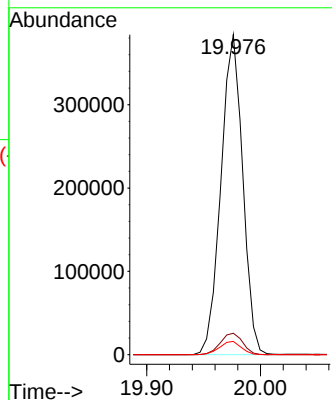
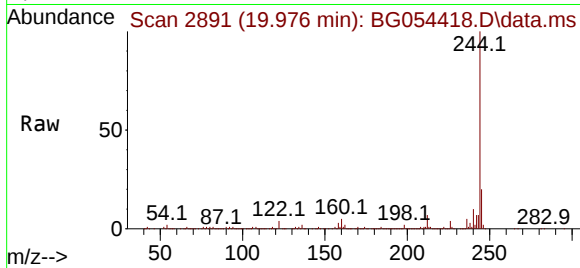




#79
 Terphenyl-d14
 Concen: 69.553 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

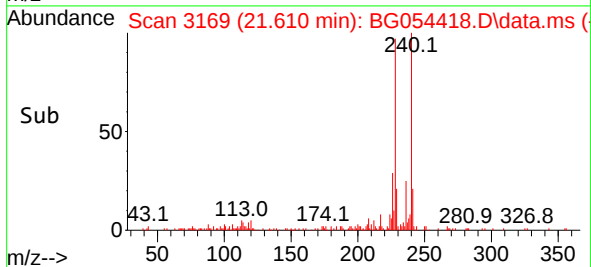
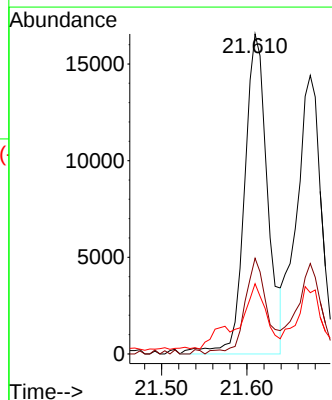
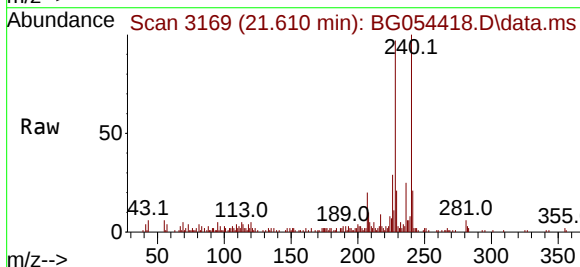
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

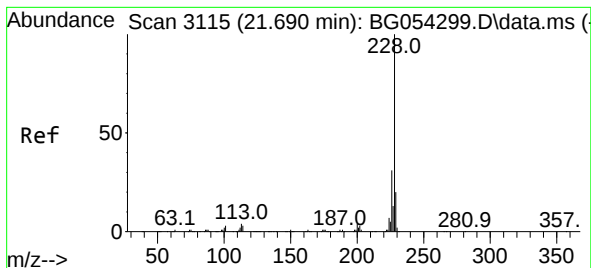
Tgt Ion:244 Resp: 511227
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.350 ng
 RT: 21.610 min Scan# 3169
 Delta R.T. -0.004 min
 Lab File: BG054418.D
 Acq: 27 Jul 2022 16:21

Tgt Ion:228 Resp: 31006
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.6 32.4
 229 21.9 16.2 24.2





#83

Chrysene

Concen: 3.316 ng

RT: 21.674 min Scan# 3115

Delta R.T. -0.010 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

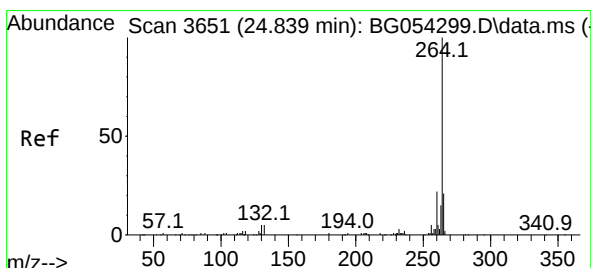
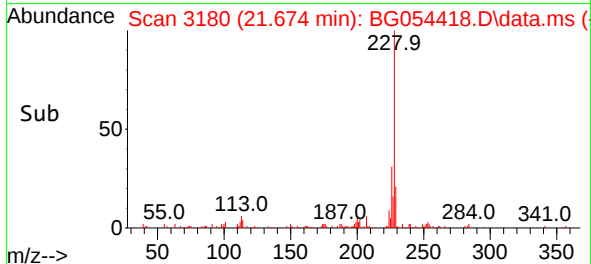
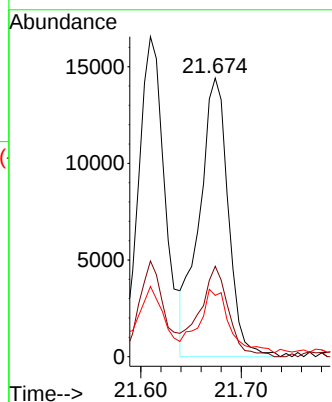
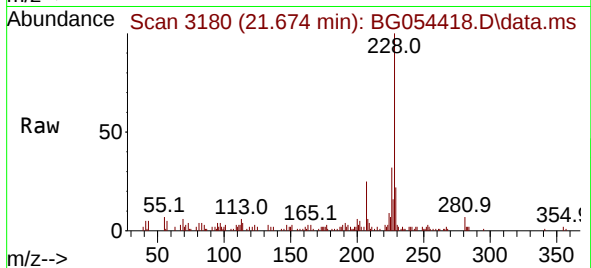
Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:228	Resp:	29001
Ion Ratio	Lower	Upper
228	100	
226	32.5	23.4 35.2
229	22.0	15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

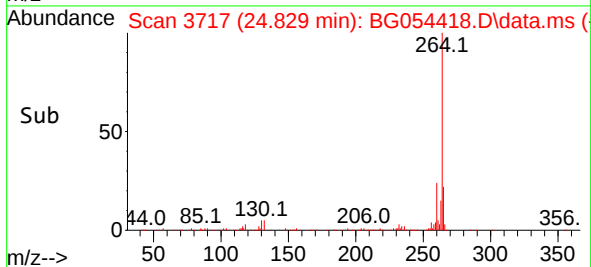
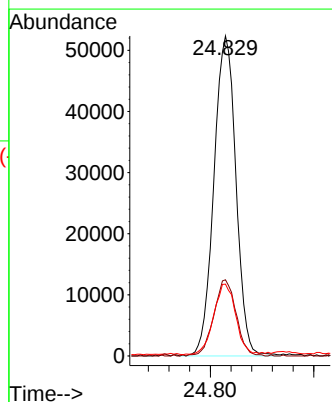
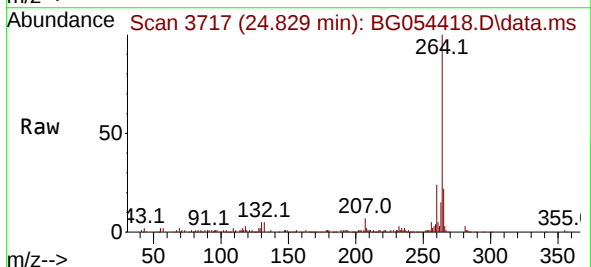
RT: 24.829 min Scan# 3717

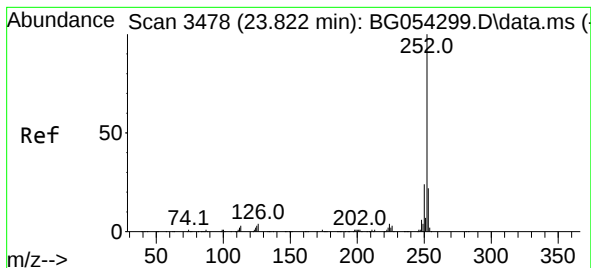
Delta R.T. -0.004 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Tgt Ion:264	Resp:	154935
Ion Ratio	Lower	Upper
264	100	
260	23.8	19.0 28.6
265	22.5	17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.902 ng

RT: 23.813 min Scan# 3544

Delta R.T. -0.010 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-1

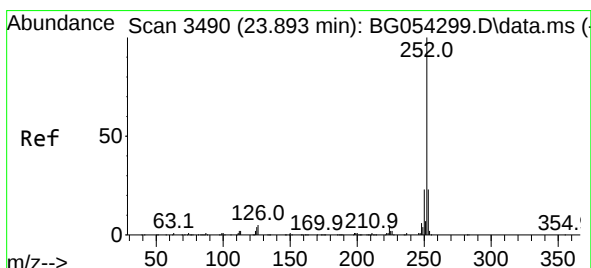
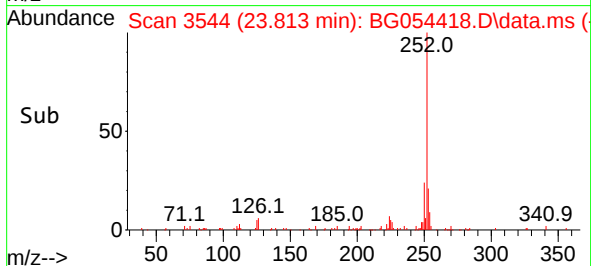
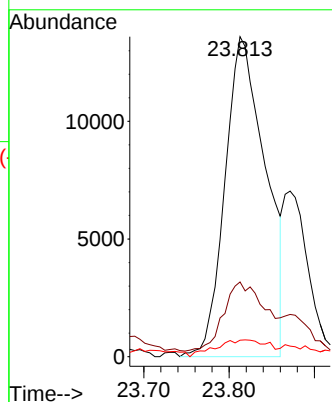
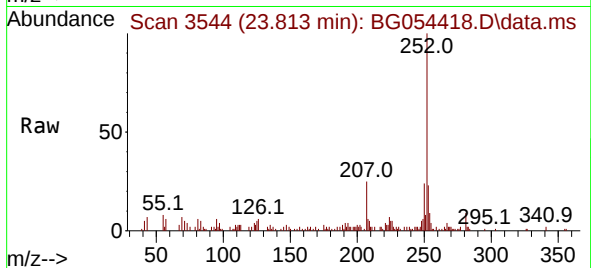
Tgt Ion:252 Resp: 44916

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 5.1 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 4.926 ng

RT: 23.813 min Scan# 3544

Delta R.T. -0.075 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

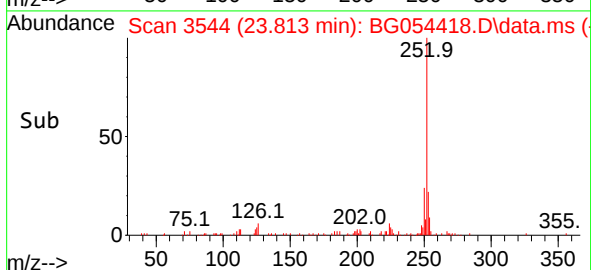
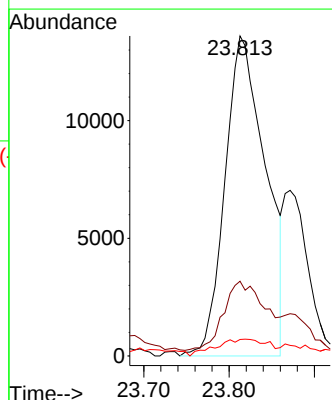
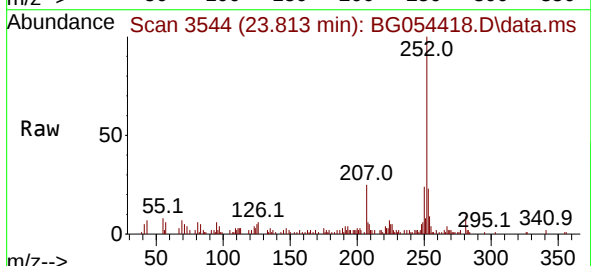
Tgt Ion:252 Resp: 44916

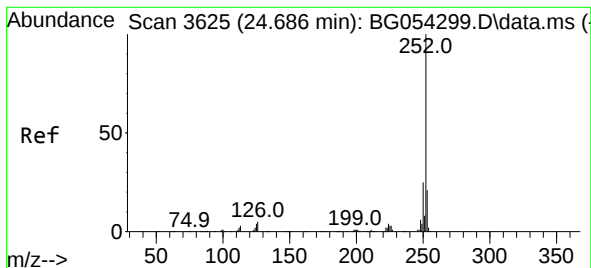
Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 5.1 4.8 7.2





#90

Benzo(a)pyrene

Concen: 4.091 ng

RT: 24.676 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Instrument :

BNA_G

ClientSampleId :

TP-1

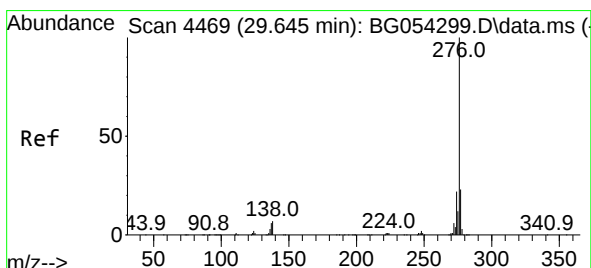
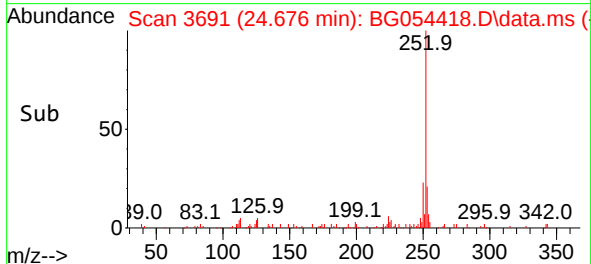
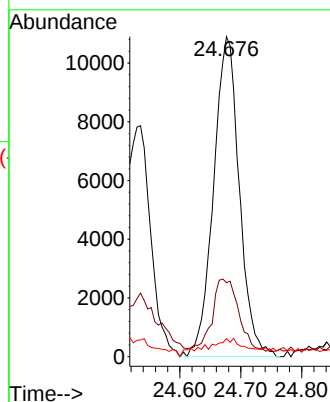
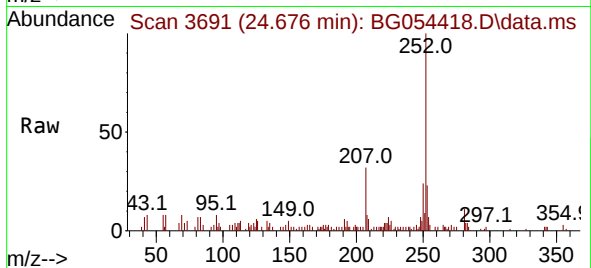
Tgt Ion:252 Resp: 32010

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 5.7 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 2.429 ng

RT: 29.653 min Scan# 4538

Delta R.T. -0.010 min

Lab File: BG054418.D

Acq: 27 Jul 2022 16:21

Tgt Ion:276 Resp: 23234

Ion Ratio Lower Upper

276 100

277 23.3 17.3 25.9

138 8.2 9.6 14.4#

