

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055767.D
 Acq On : 23 Nov 2022 23:03
 Operator : CG/JU
 Sample : N5765-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-L

Quant Time: Nov 24 06:10:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

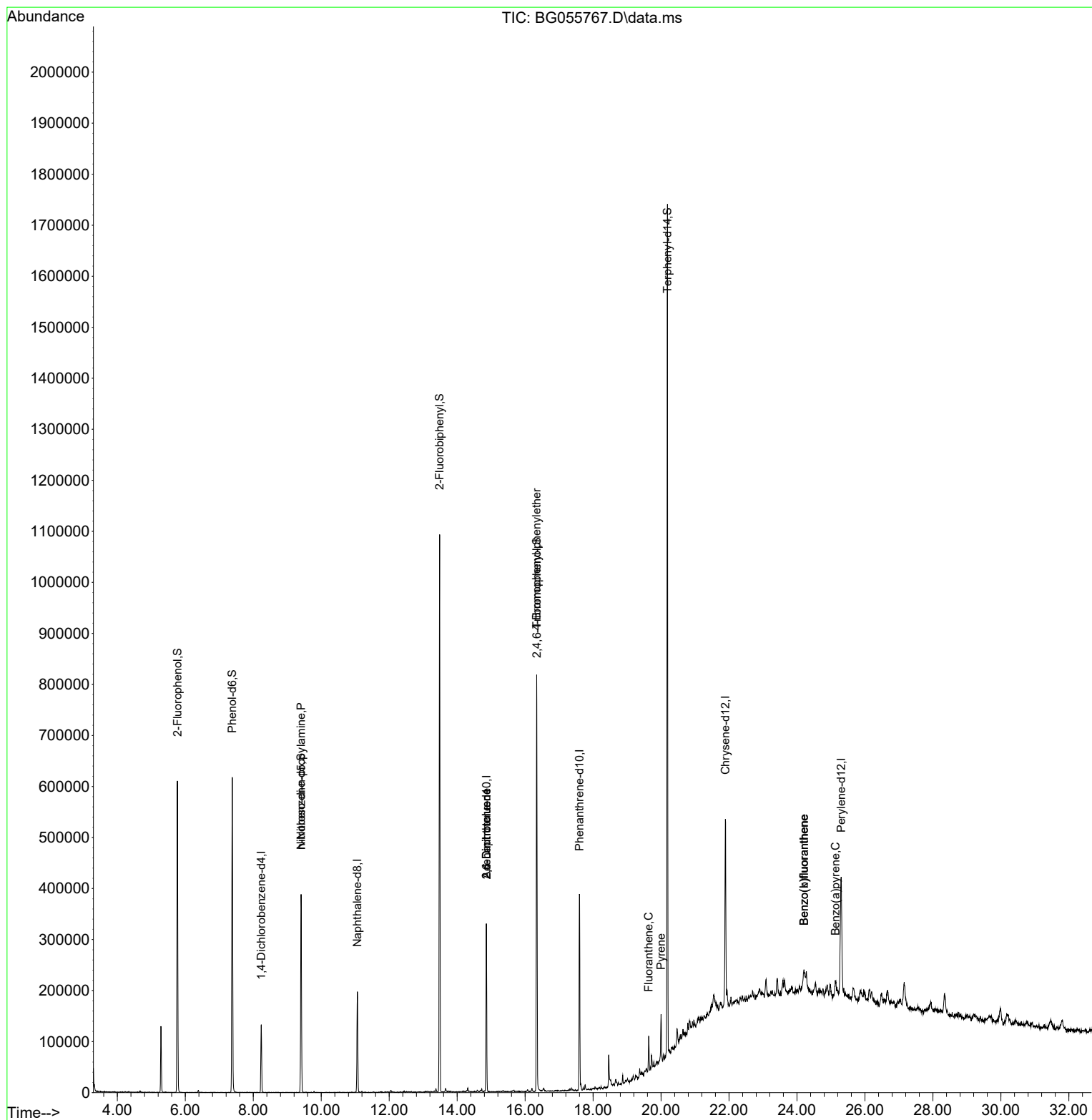
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.237	152	39333	20.000	ng	0.00
21) Naphthalene-d8	11.063	136	172034	20.000	ng	0.00
39) Acenaphthene-d10	14.859	164	118381	20.000	ng	0.00
64) Phenanthrene-d10	17.603	188	253147	20.000	ng	0.00
76) Chrysene-d12	21.892	240	237678	20.000	ng	-0.01
86) Perylene-d12	25.300	264	254692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.769	112	270179	124.159	ng	0.00
7) Phenol-d6	7.379	99	362545	125.158	ng	0.00
23) Nitrobenzene-d5	9.406	82	225234	69.200	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	177685	106.592	ng	0.00
45) 2-Fluorobiphenyl	13.484	172	565770	71.599	ng	0.00
79) Terphenyl-d14	20.188	244	845152	71.122	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.406	70	30159	13.551	ng	# 76
51) 2,6-Dinitrotoluene	14.859	165	16035	8.310	ng	# 27
57) 2,4-Dinitrotoluene	14.859	165	16035	5.894	ng	# 25
67) 4-Bromophenyl-phenylether	16.339	248	11184	3.878	ng	# 1
75) Fluoranthene	19.636	202	45901	2.762	ng	99
78) Pyrene	20.000	202	52925	3.290	ng	97
88) Benzo(b)fluoranthene	24.207	252	38359	2.313	ng	# 56
89) Benzo(k)fluoranthene	24.207	252	38359	2.320	ng	# 56
90) Benzo(a)pyrene	25.129	252	31123	2.187	ng	# 79

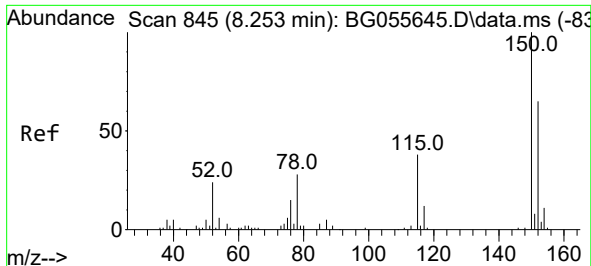
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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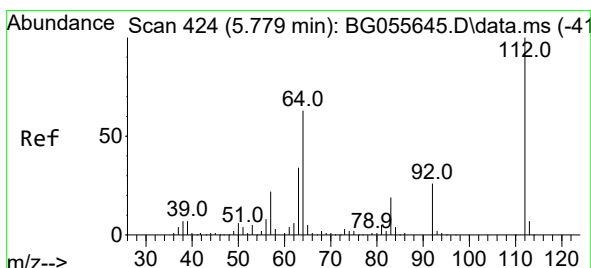
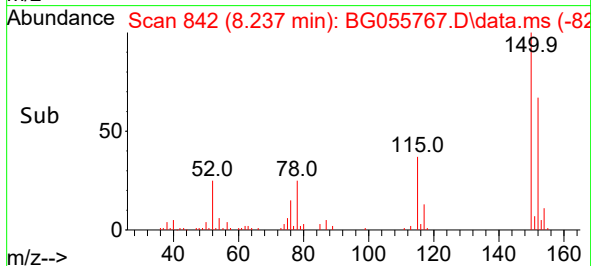
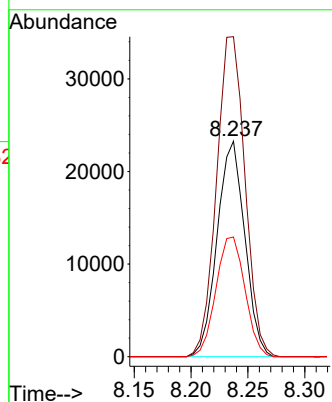
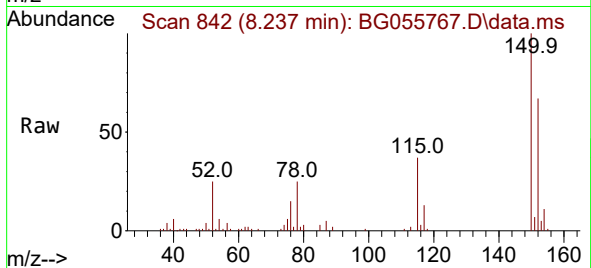




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.237 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

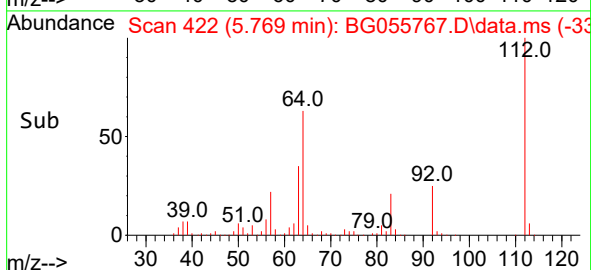
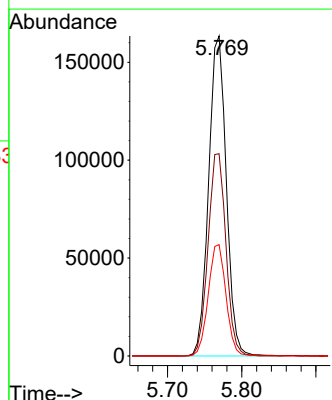
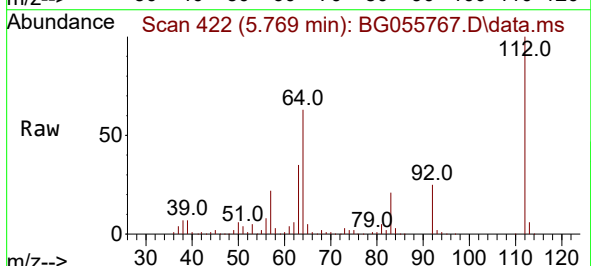
Instrument :
BNA_G
ClientSampleId :
TP-L

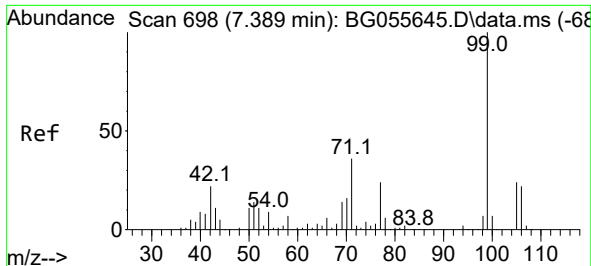
Tgt Ion:152 Resp: 39333
Ion Ratio Lower Upper
152 100
150 148.5 123.0 184.6
115 55.6 47.0 70.4



#5
2-Fluorophenol
Concen: 124.159 ng
RT: 5.769 min Scan# 422
Delta R.T. 0.002 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:112 Resp: 270179
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 34.8 27.5 41.3

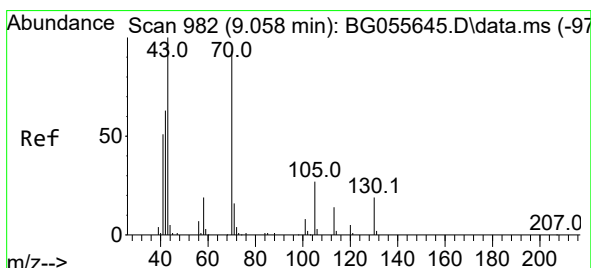
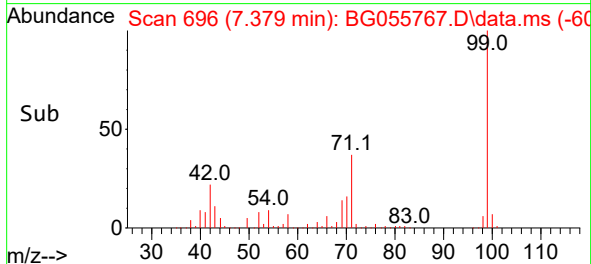
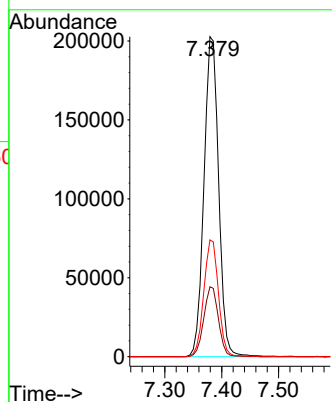
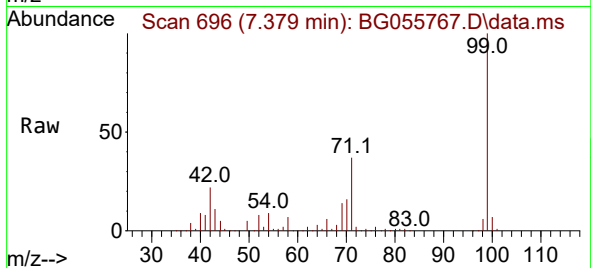




#7
Phenol-d6
Concen: 125.158 ng
RT: 7.379 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

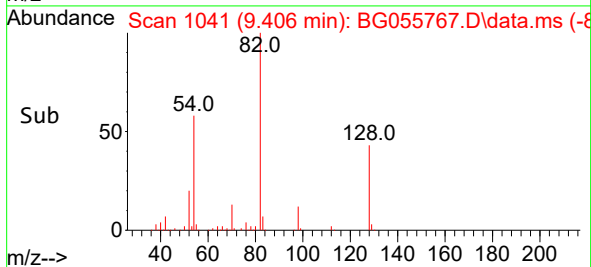
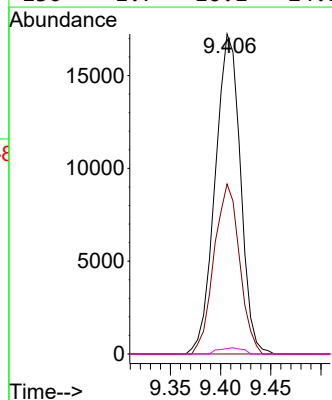
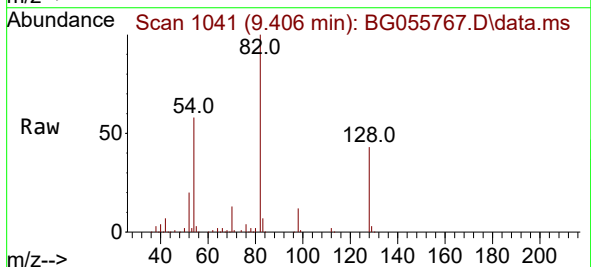
Instrument :
BNA_G
ClientSampleId :
TP-L

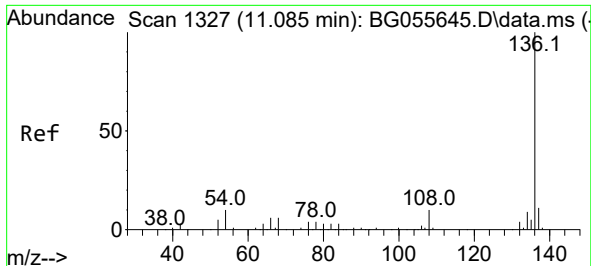
Tgt Ion: 99 Resp: 362545
Ion Ratio Lower Upper
99 100
42 21.9 18.0 27.0
71 36.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.551 ng
RT: 9.406 min Scan# 1041
Delta R.T. 0.360 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion: 70 Resp: 30159
Ion Ratio Lower Upper
70 100
42 53.1 55.2 82.8#
101 0.0 7.1 10.7#
130 1.7 16.1 24.1#

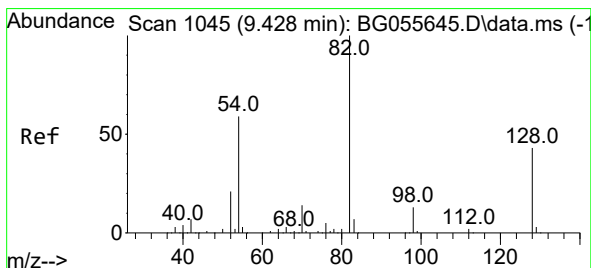
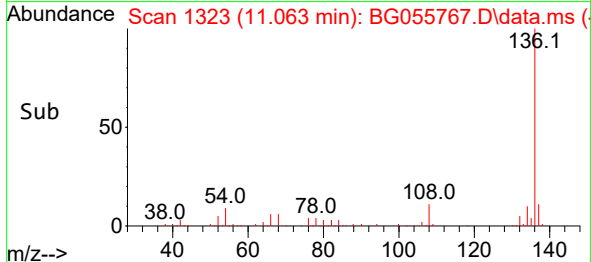
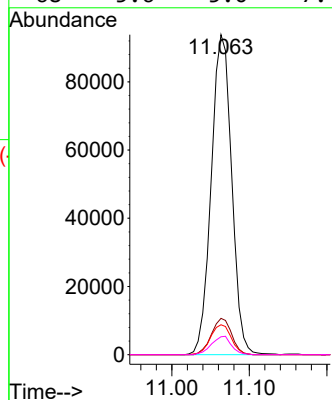
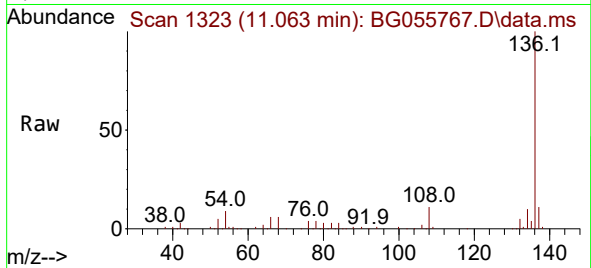




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.063 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

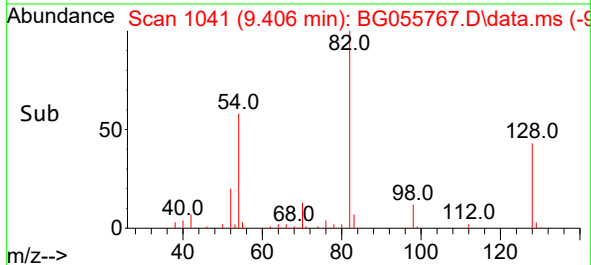
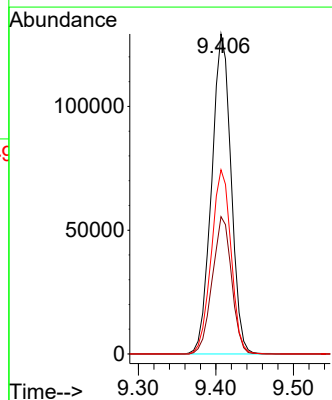
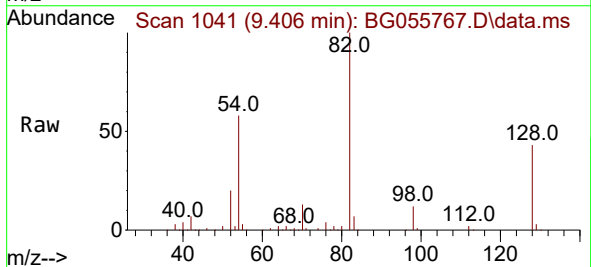
Instrument :
BNA_G
ClientSampleId :
TP-L

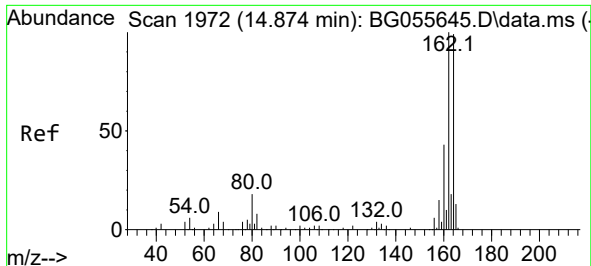
Tgt Ion:	136	Resp:	172034
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	9.3	7.8	11.6
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 69.200 ng
RT: 9.406 min Scan# 1041
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:	82	Resp:	225234
Ion Ratio	Lower	Upper	
82	100		
128	42.9	34.1	51.1
54	57.6	47.3	70.9

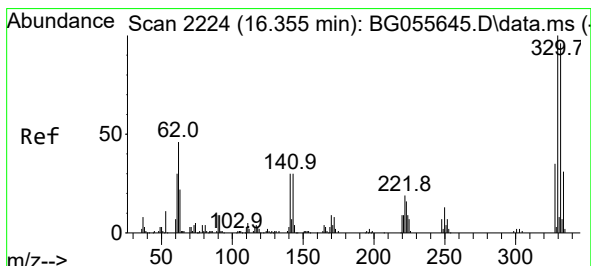
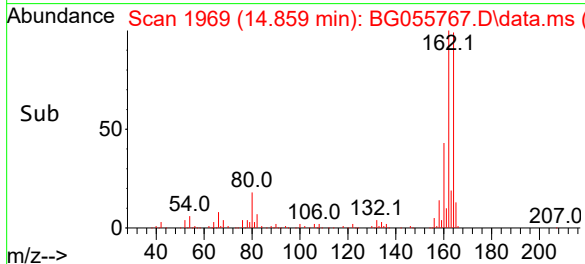
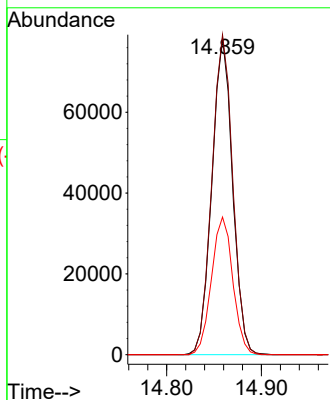
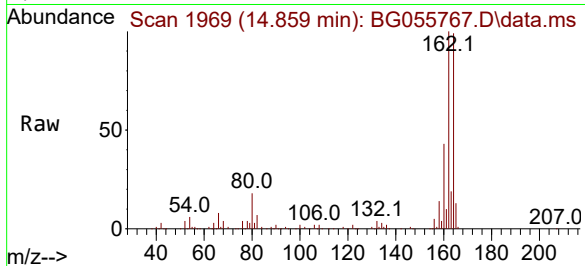




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.859 min Scan# 1969
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

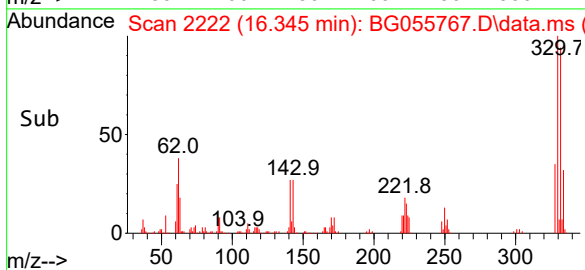
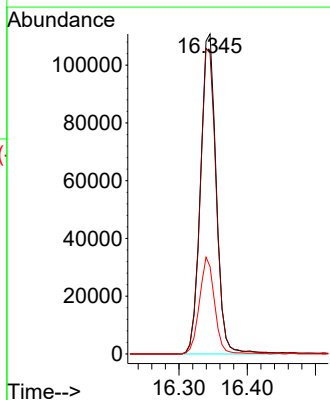
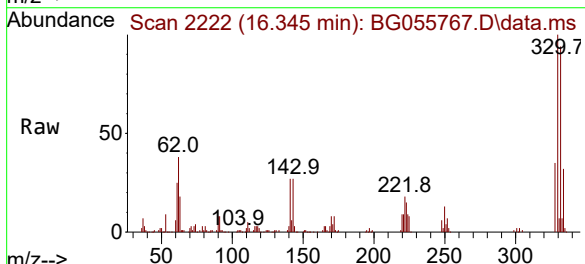
Instrument :
BNA_G
ClientSampleId :
TP-L

Tgt Ion:164 Resp: 118381
Ion Ratio Lower Upper
164 100
162 100.9 81.1 121.7
160 43.4 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 106.592 ng
RT: 16.345 min Scan# 2222
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:330 Resp: 177685
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.8
141 29.1 23.9 35.9

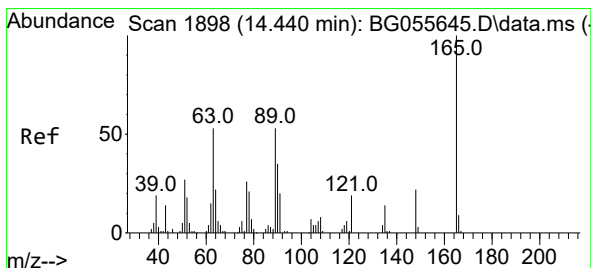
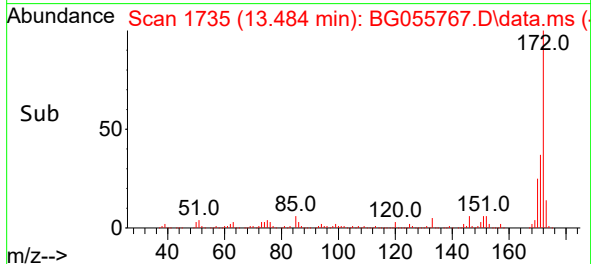
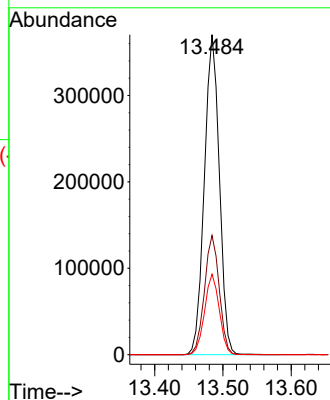
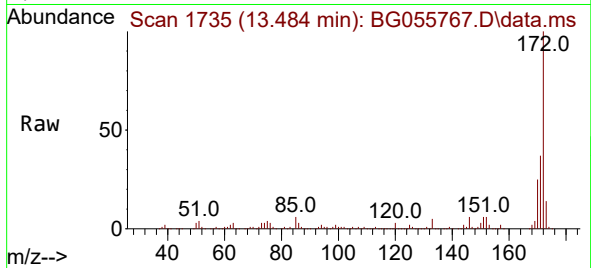




#45
2-Fluorobiphenyl
Concen: 71.599 ng
RT: 13.484 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

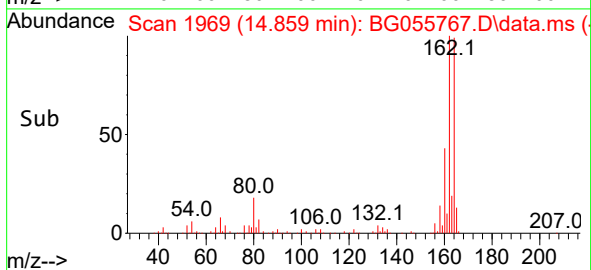
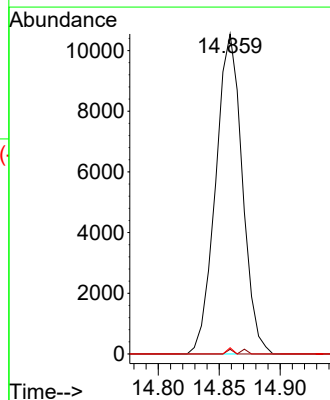
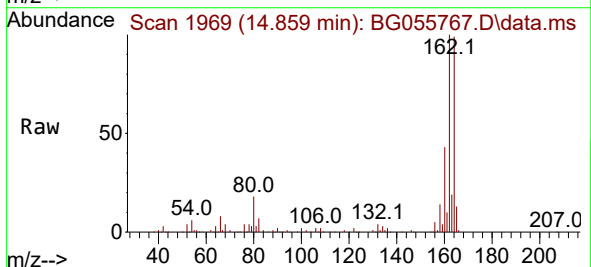
Instrument :
BNA_G
ClientSampleId :
TP-L

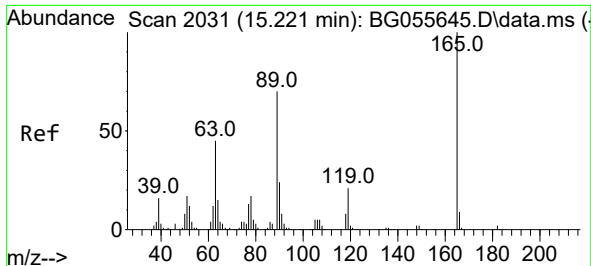
Tgt Ion:172 Resp: 565770
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.1 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.310 ng
RT: 14.859 min Scan# 1969
Delta R.T. 0.425 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:165 Resp: 16035
Ion Ratio Lower Upper
165 100
63 1.5 44.6 66.8#
89 2.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.894 ng

RT: 14.859 min Scan# 1969

Delta R.T. -0.357 min

Lab File: BG055767.D

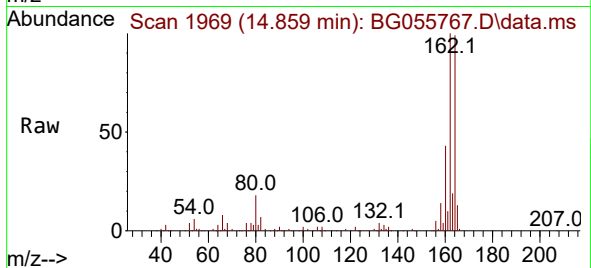
Acq: 23 Nov 2022 23:03

Instrument :

BNA_G

ClientSampleId :

TP-L



Tgt Ion:165 Resp: 16035

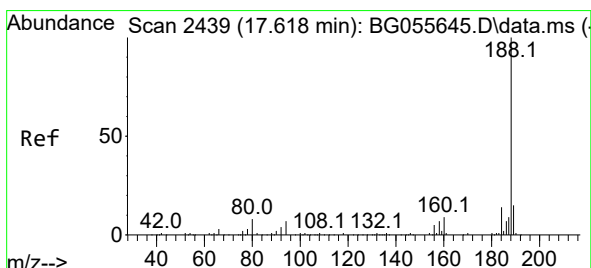
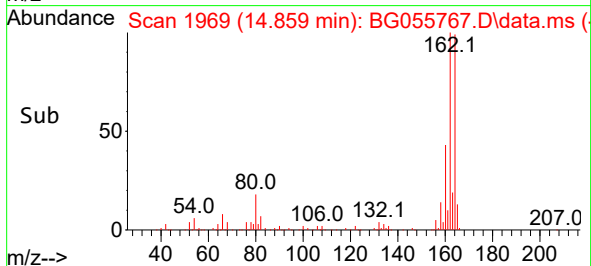
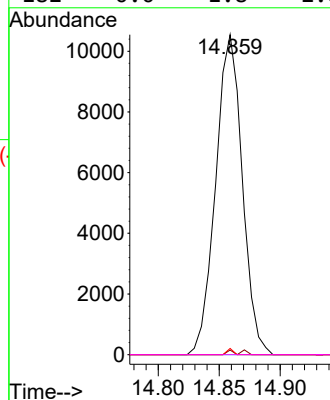
Ion Ratio Lower Upper

165 100

63 1.5 35.8 53.8#

89 2.0 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.603 min Scan# 2436

Delta R.T. -0.004 min

Lab File: BG055767.D

Acq: 23 Nov 2022 23:03

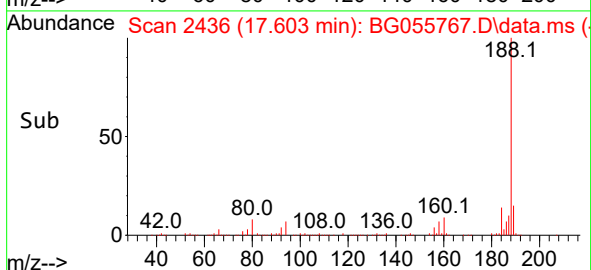
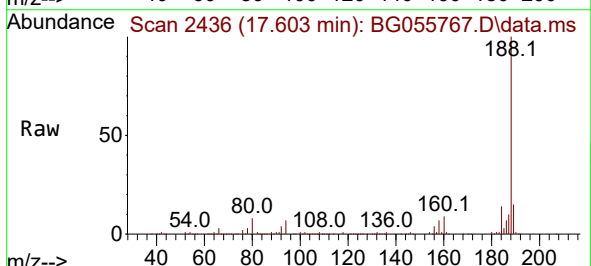
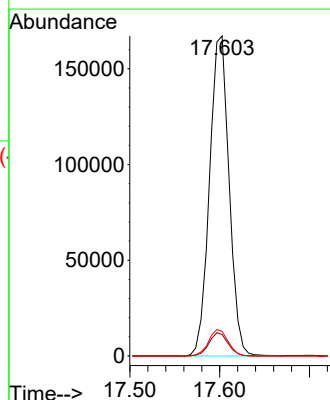
Tgt Ion:188 Resp: 253147

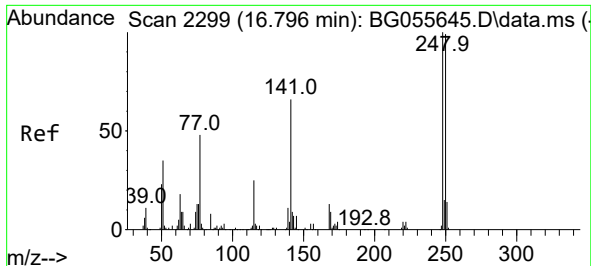
Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.7 6.6 10.0

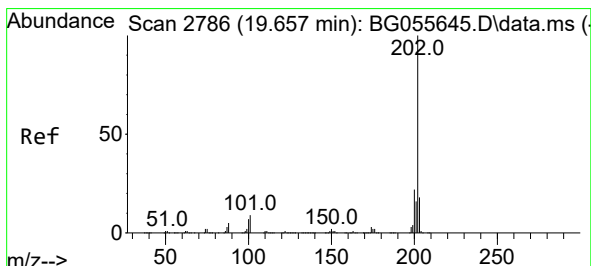
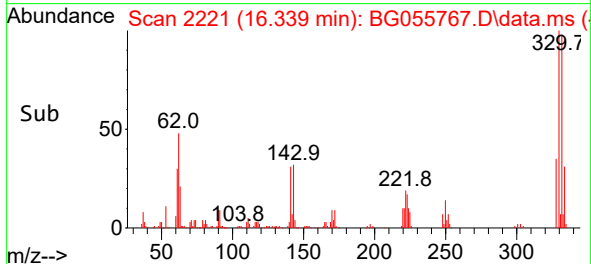
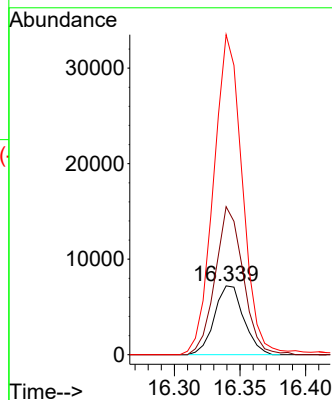
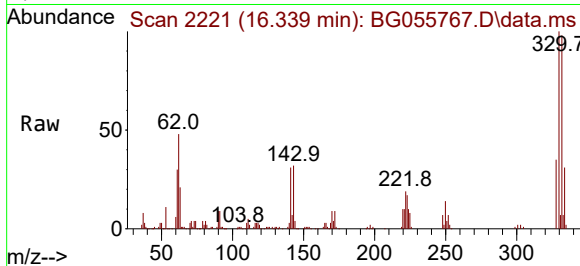




#67
4-Bromophenyl-phenylether
Concen: 3.878 ng
RT: 16.339 min Scan# 211
Delta R.T. -0.445 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

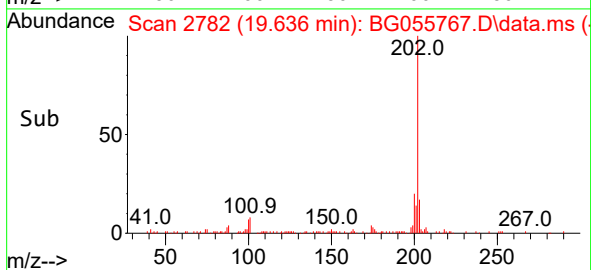
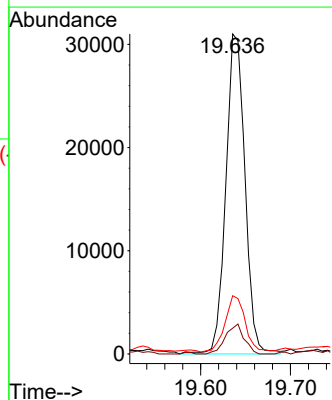
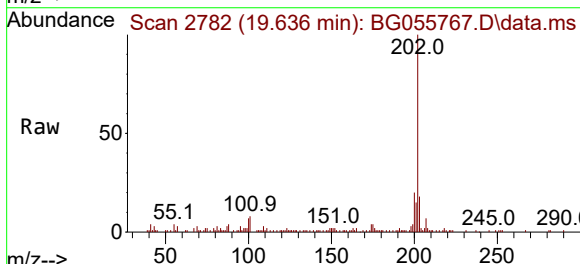
Instrument :
BNA_G
ClientSampleId :
TP-L

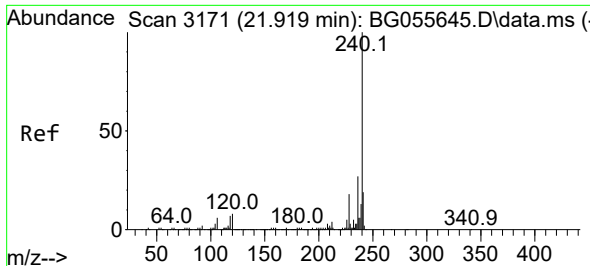
Tgt Ion:248 Resp: 11184
Ion Ratio Lower Upper
248 100
250 214.9 79.0 118.4#
141 464.7 52.9 79.3#



#75
Fluoranthene
Concen: 2.762 ng
RT: 19.636 min Scan# 2782
Delta R.T. -0.010 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:202 Resp: 45901
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.8
203 18.2 0.0 38.1

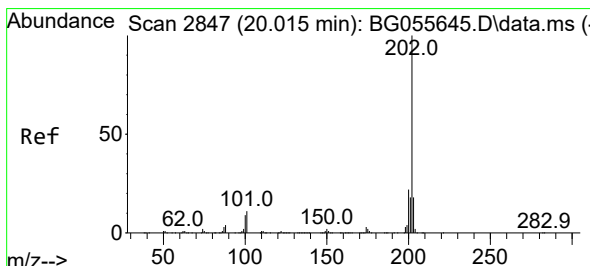
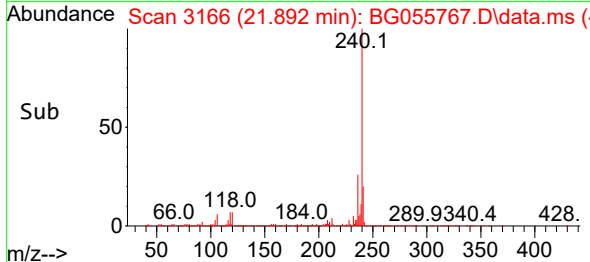
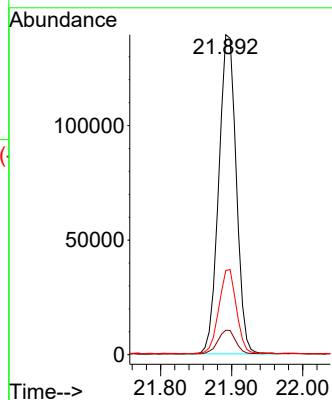
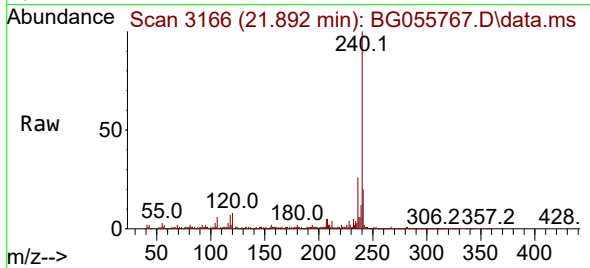




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3171
Delta R.T. -0.010 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

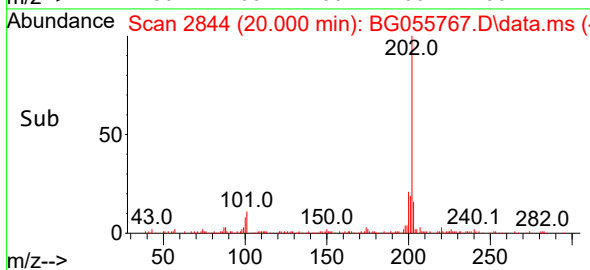
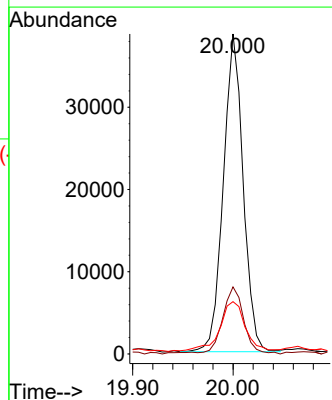
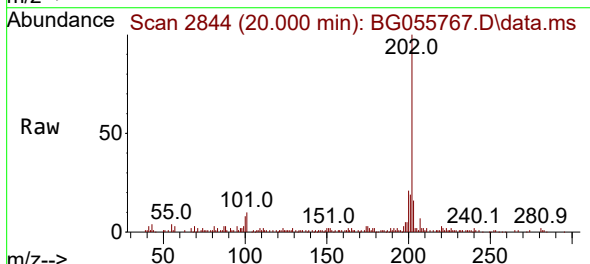
Instrument :
BNA_G
ClientSampleId :
TP-L

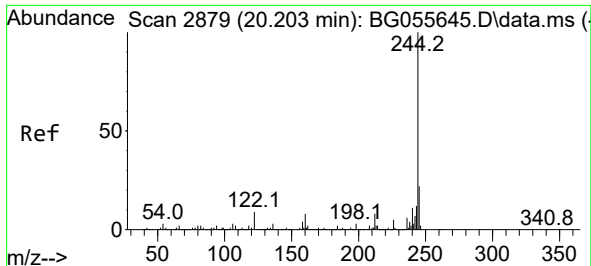
Tgt Ion:240 Resp: 237678
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 26.3 21.9 32.9



#78
Pyrene
Concen: 3.290 ng
RT: 20.000 min Scan# 2844
Delta R.T. -0.010 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Tgt Ion:202 Resp: 52925
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 16.3 14.4 21.6

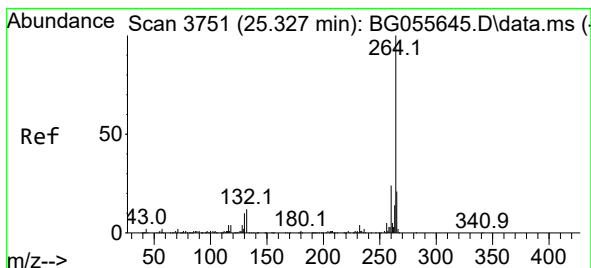
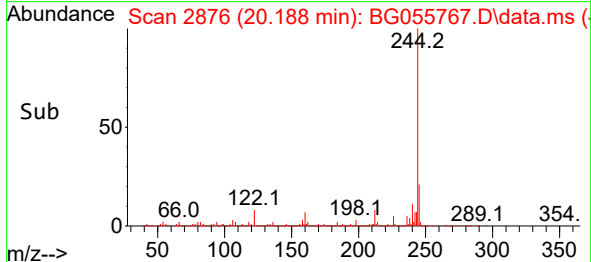
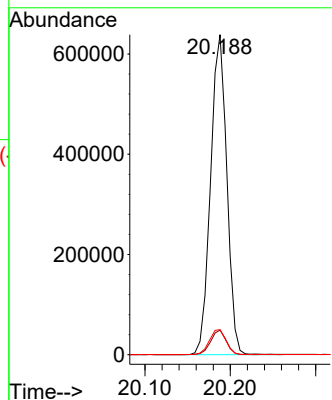
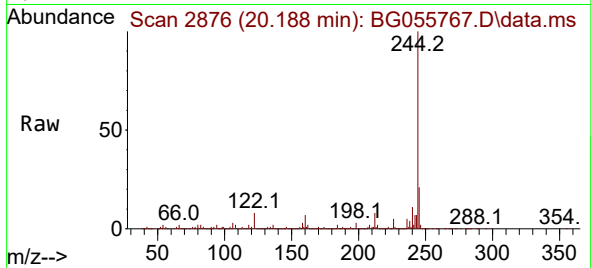




#79
 Terphenyl-d14
 Concen: 71.122 ng
 RT: 20.188 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG055767.D
 Acq: 23 Nov 2022 23:03

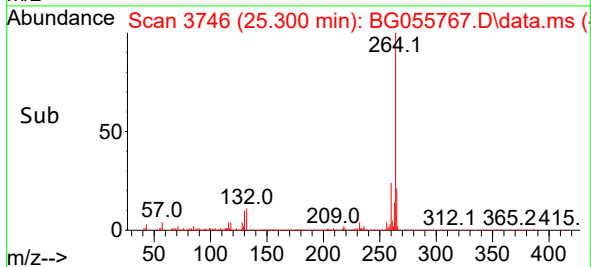
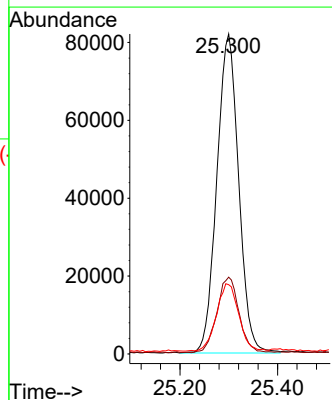
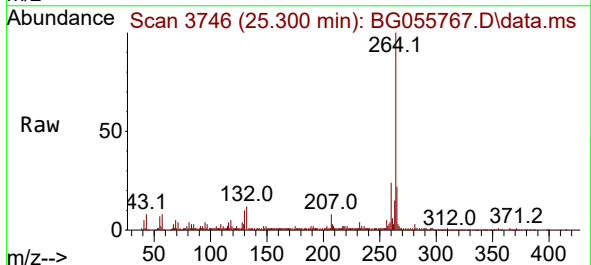
Instrument :
 BNA_G
 ClientSampleId :
 TP-L

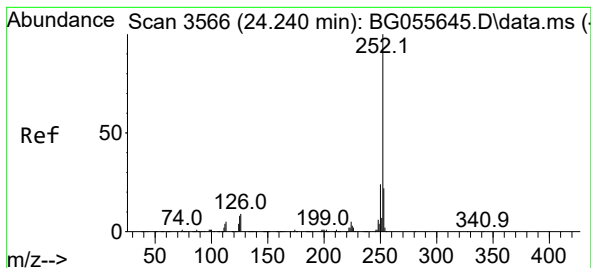
Tgt Ion:244 Resp: 845152
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.8 6.9 10.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.300 min Scan# 3746
 Delta R.T. -0.004 min
 Lab File: BG055767.D
 Acq: 23 Nov 2022 23:03

Tgt Ion:264 Resp: 254692
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.7 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.313 ng

RT: 24.207 min Scan# 3560

Delta R.T. -0.010 min

Lab File: BG055767.D

Acq: 23 Nov 2022 23:03

Instrument :

BNA_G

ClientSampleId :

TP-L

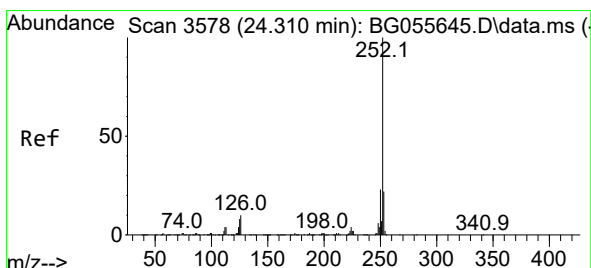
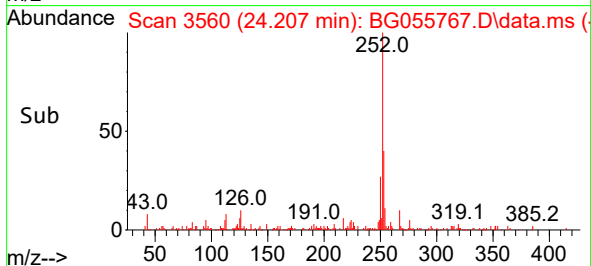
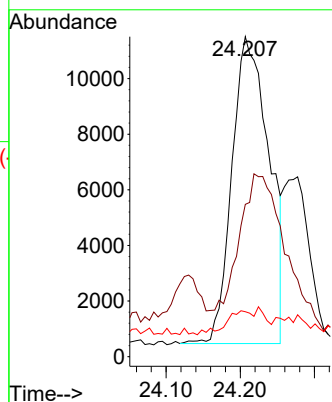
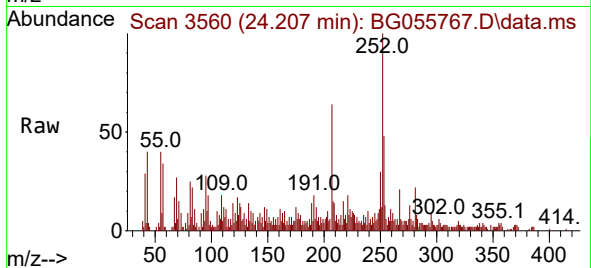
Tgt Ion:252 Resp: 38359

Ion Ratio Lower Upper

252 100

253 47.6 18.0 27.0#

125 14.1 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 2.320 ng

RT: 24.207 min Scan# 3560

Delta R.T. -0.086 min

Lab File: BG055767.D

Acq: 23 Nov 2022 23:03

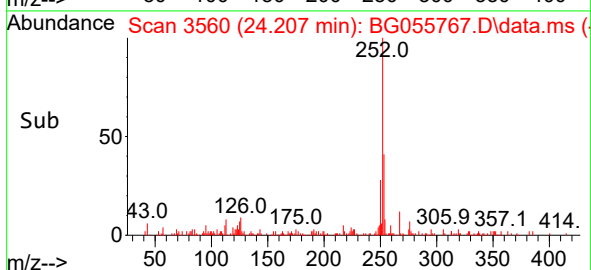
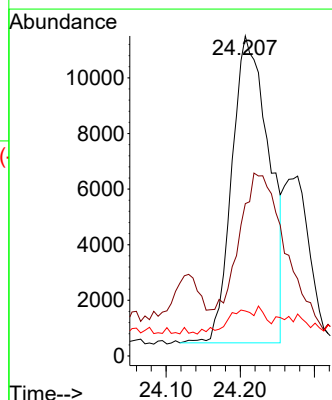
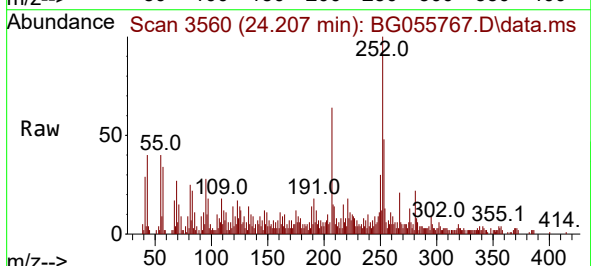
Tgt Ion:252 Resp: 38359

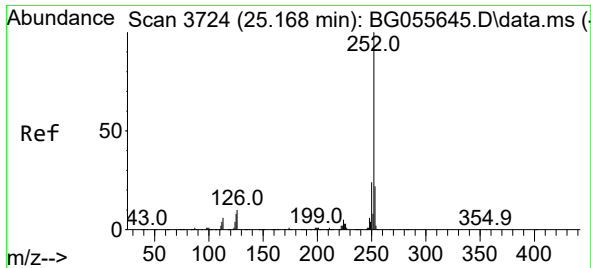
Ion Ratio Lower Upper

252 100

253 47.6 17.8 26.6#

125 14.1 6.1 9.1#





#90
Benzo(a)pyrene
Concen: 2.187 ng
RT: 25.129 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG055767.D
Acq: 23 Nov 2022 23:03

Instrument :
BNA_G
ClientSampleId :
TP-L

Tgt Ion:252 Resp: 31123
Ion Ratio Lower Upper
252 100
253 31.3 17.8 26.6#
125 17.0 6.4 9.6#

