

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055987.D
 Acq On : 15 Dec 2022 21:55
 Operator : CG/JU
 Sample : N6069-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422

Quant Time: Dec 16 04:07:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

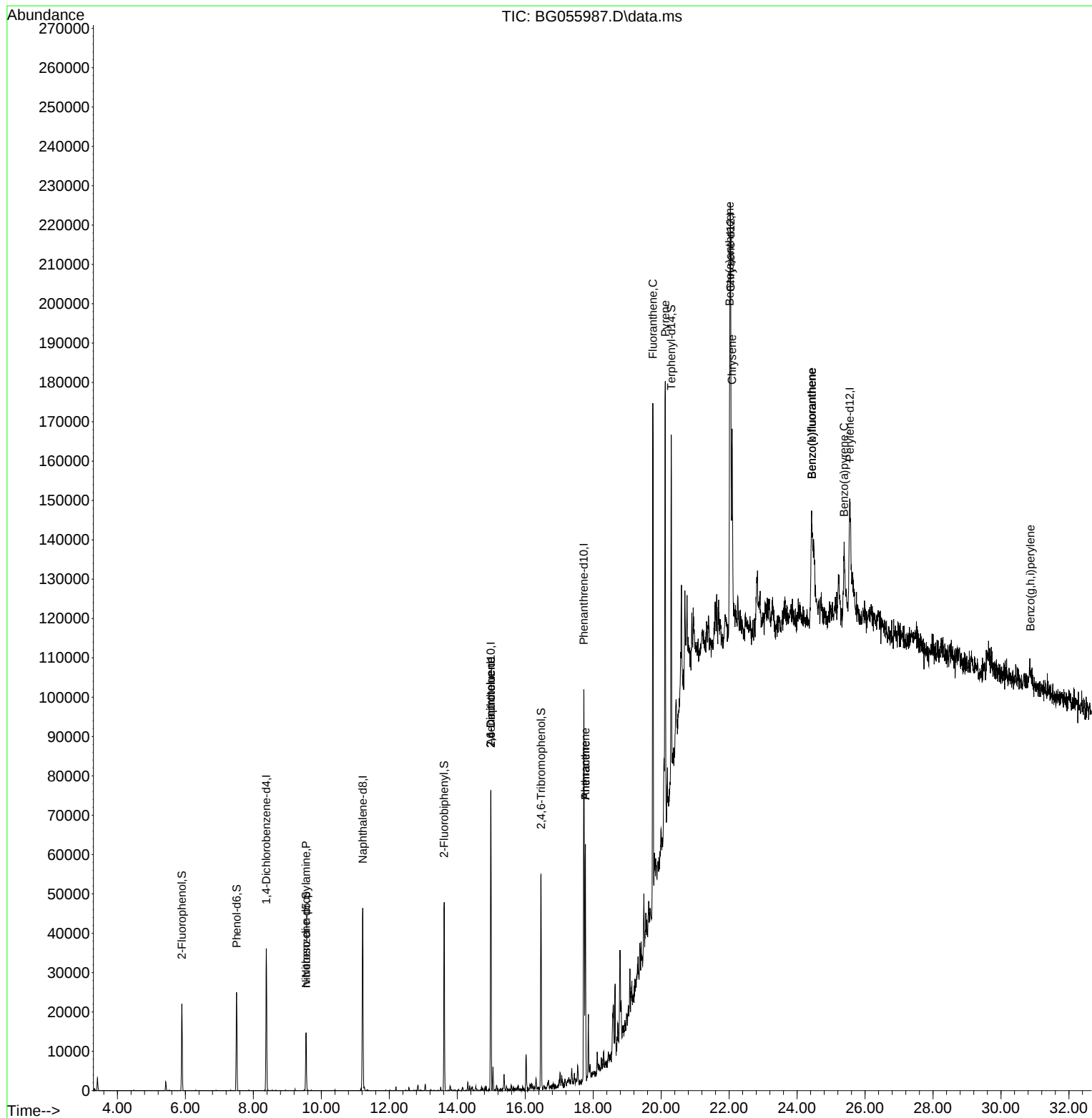
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.381	152	10900	20.000	ng	0.00
21) Naphthalene-d8	11.219	136	40575	20.000	ng	# 0.01
39) Acenaphthene-d10	14.991	164	31125	20.000	ng	0.01
64) Phenanthrene-d10	17.723	188	72405	20.000	ng	# 0.01
76) Chrysene-d12	22.042	240	73526	20.000	ng	0.02
86) Perylene-d12	25.555	264	51092	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.896	112	9811	21.109	ng	0.01
7) Phenol-d6	7.506	99	12038	20.138	ng	0.01
23) Nitrobenzene-d5	9.550	82	8134	14.009	ng	0.00
42) 2,4,6-Tribromophenol	16.466	330	15272	20.349	ng	0.01
45) 2-Fluorobiphenyl	13.616	172	27580	12.427	ng	0.00
79) Terphenyl-d14	20.297	244	46071	11.074	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.550	70	1173	2.738	ng	# 54
51) 2,6-Dinitrotoluene	14.985	165	4247	10.199	ng	# 25
57) 2,4-Dinitrotoluene	14.985	165	4247	6.757	ng	# 35
71) Phenanthrene	17.770	178	41187	10.855	ng	99
72) Anthracene	17.770	178	41187	10.972	ng	98
75) Fluoranthene	19.756	202	87895	16.542	ng	98
78) Pyrene	20.120	202	82918	18.637	ng	99
81) Benzo(a)anthracene	22.018	228	51079	9.872	ng	94
83) Chrysene	22.089	228	45045	9.289	ng	# 94
88) Benzo(b)fluoranthene	24.433	252	46780	14.147	ng	# 85
89) Benzo(k)fluoranthene	24.433	252	46780	14.180	ng	# 87
90) Benzo(a)pyrene	25.379	252	40543	14.505	ng	# 85
92) Benzo(g,h,i)perylene	30.867	276	11784	3.544	ng	# 58

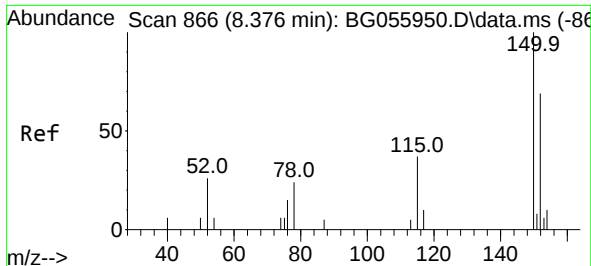
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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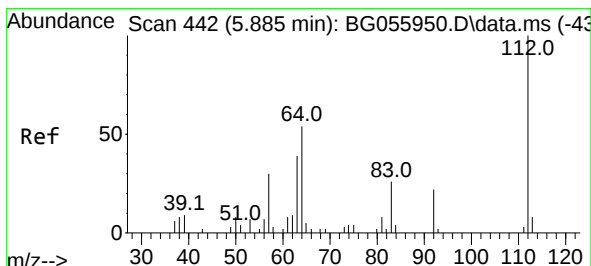
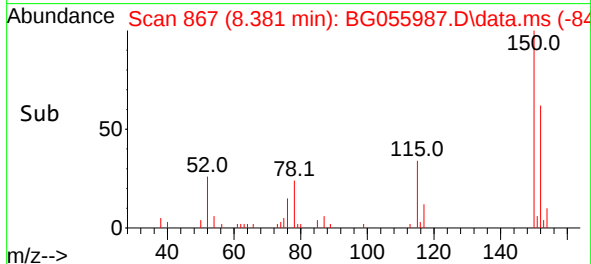
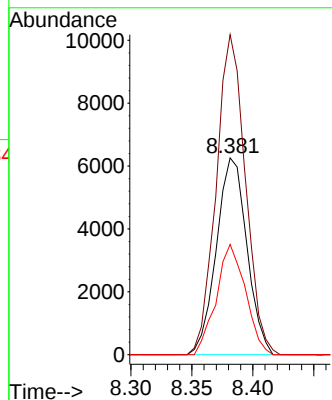
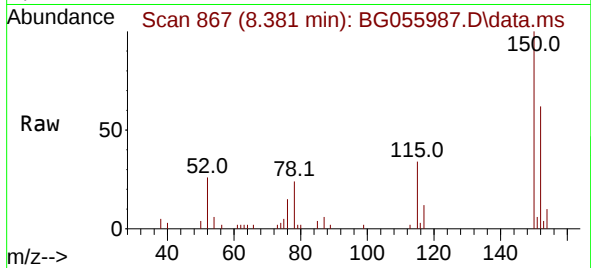




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.381 min Scan# 80
Delta R.T. 0.005 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

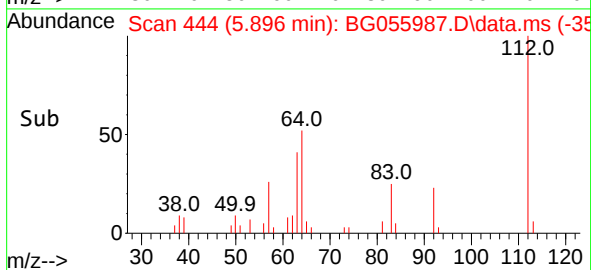
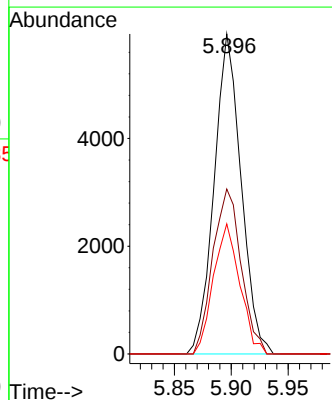
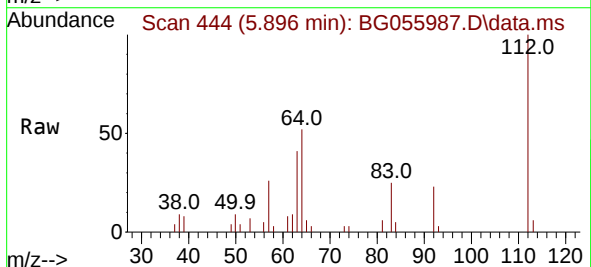
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

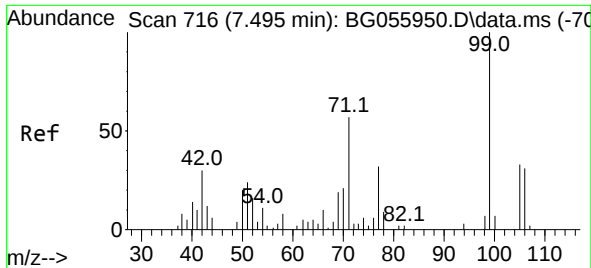
Tgt Ion:152 Resp: 10900
Ion Ratio Lower Upper
152 100
150 162.6 115.7 173.5
115 56.0 43.0 64.4



#5
2-Fluorophenol
Concen: 21.109 ng
RT: 5.896 min Scan# 444
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:112 Resp: 9811
Ion Ratio Lower Upper
112 100
64 51.6 43.0 64.4
63 40.6 31.4 47.2

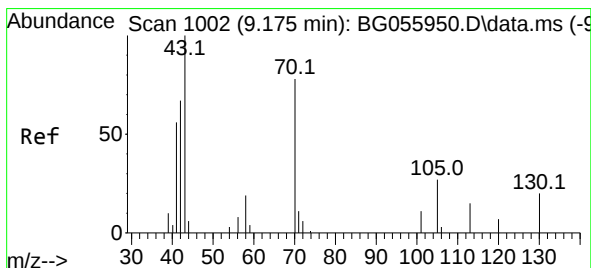
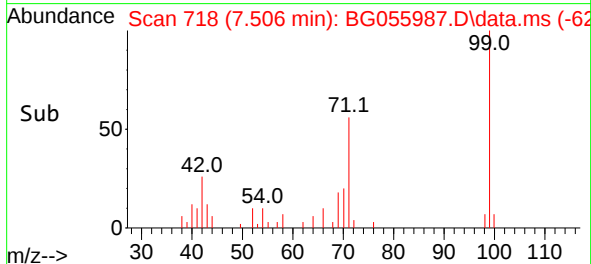
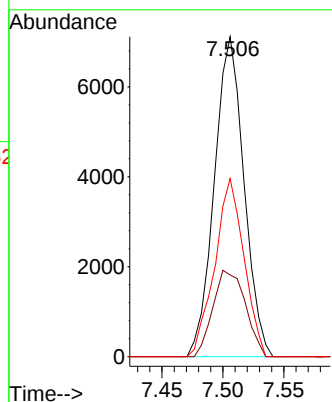
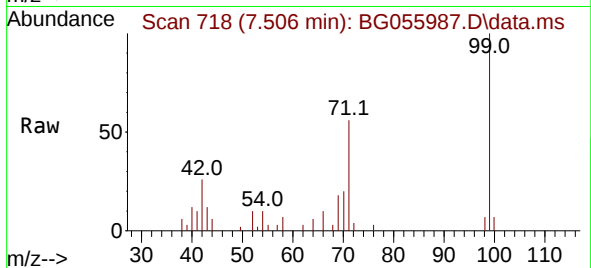




#7
Phenol-d6
Concen: 20.138 ng
RT: 7.506 min Scan# 716
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

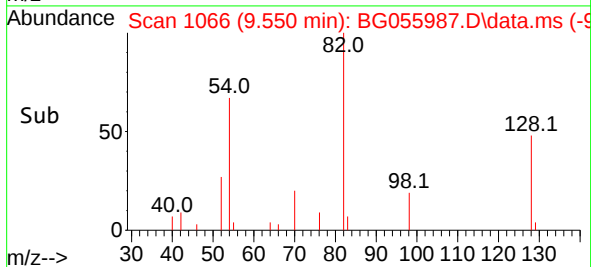
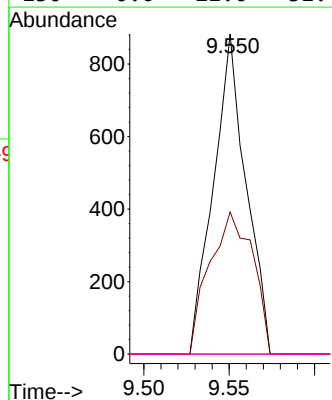
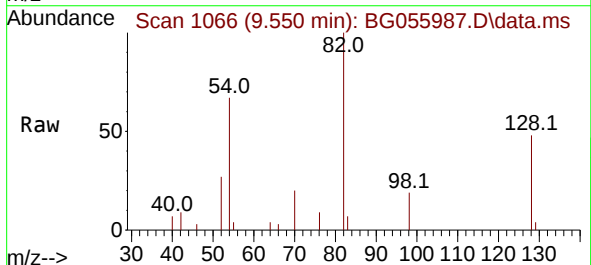
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

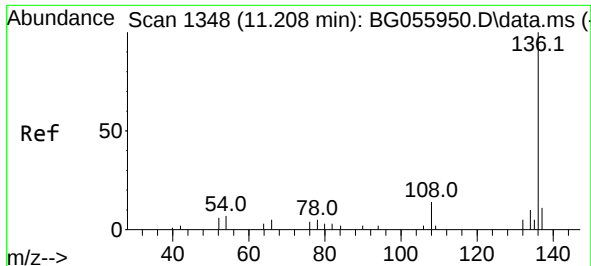
Tgt Ion: 99 Resp: 12038
Ion Ratio Lower Upper
99 100
42 25.6 24.3 36.5
71 55.7 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.738 ng
RT: 9.550 min Scan# 1066
Delta R.T. 0.375 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion: 70 Resp: 1173
Ion Ratio Lower Upper
70 100
42 44.4 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

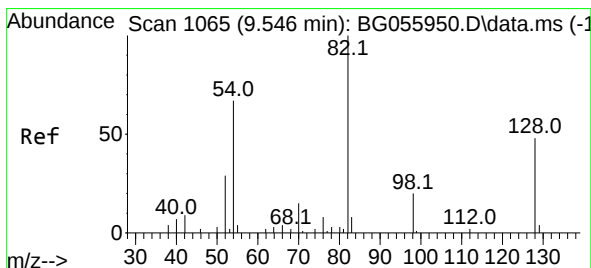
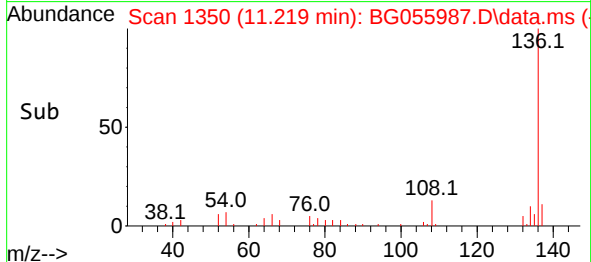
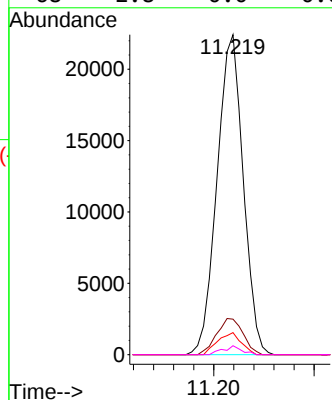
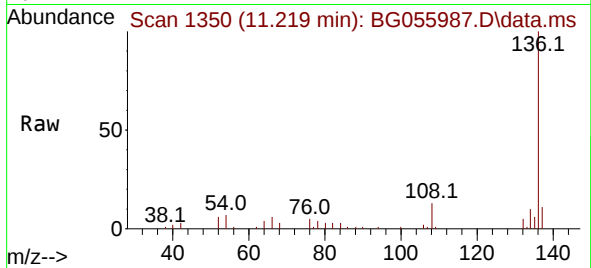




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.219 min Scan# 11
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

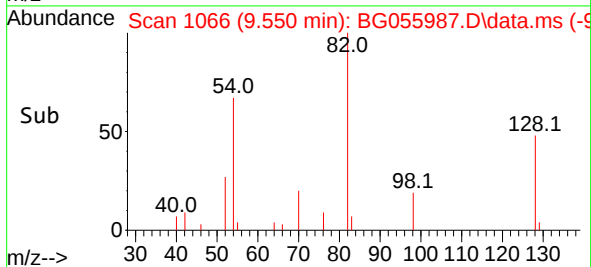
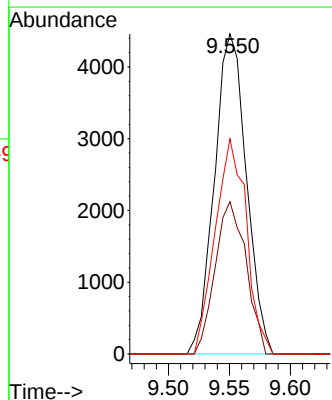
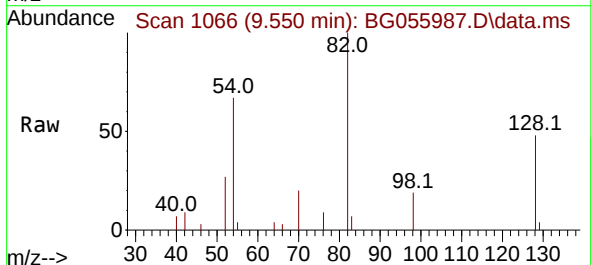
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

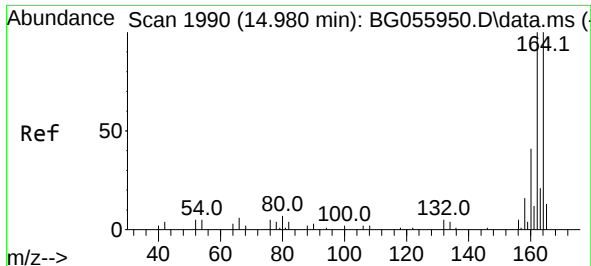
Tgt Ion:136 Resp: 40575
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.9 5.6 8.4
68 2.8 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 14.009 ng
RT: 9.550 min Scan# 1066
Delta R.T. 0.005 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion: 82 Resp: 8134
Ion Ratio Lower Upper
82 100
128 47.6 38.4 57.6
54 67.2 53.3 79.9

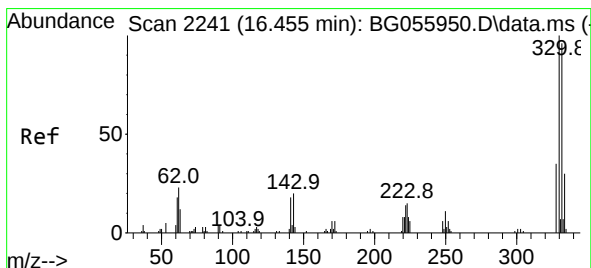
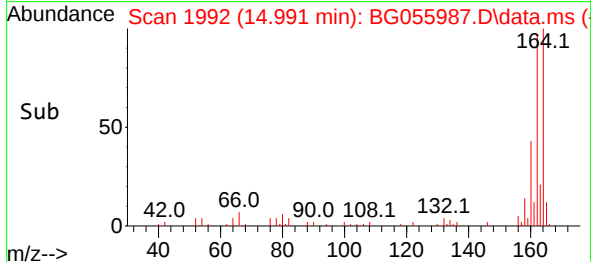
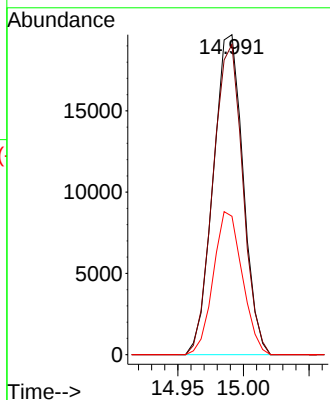
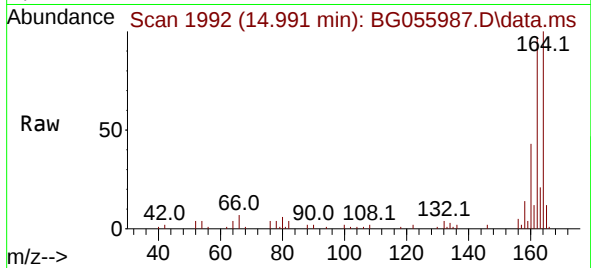




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.991 min Scan# 1992
 Delta R.T. 0.011 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

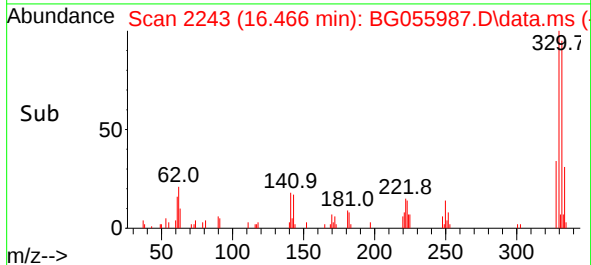
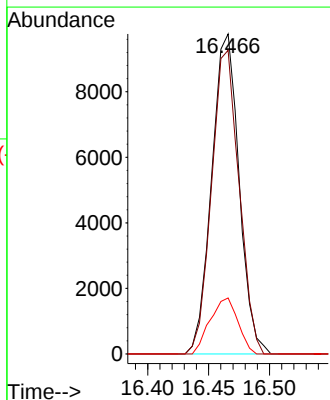
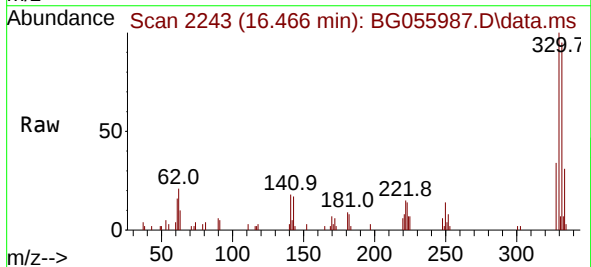
Instrument :
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 ClientSampleId :
 PT-2-121422

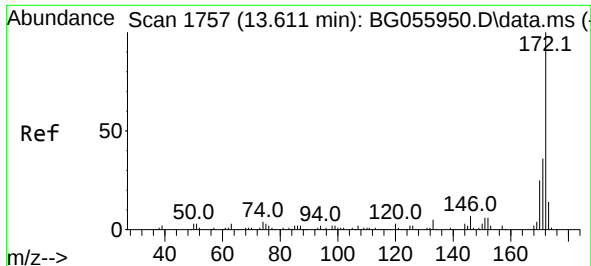
Tgt Ion:164	Resp:	31125
Ion Ratio	Lower	Upper
164	100	
162	97.0	79.8 119.8
160	43.3	33.0 49.4



#42
 2,4,6-Tribromophenol
 Concen: 20.349 ng
 RT: 16.466 min Scan# 2243
 Delta R.T. 0.011 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Tgt Ion:330	Resp:	15272
Ion Ratio	Lower	Upper
330	100	
332	95.2	76.6 114.8
141	17.8	15.0 22.4

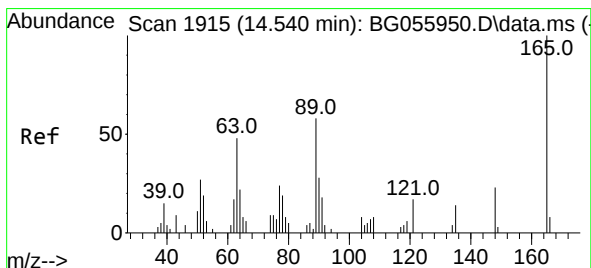
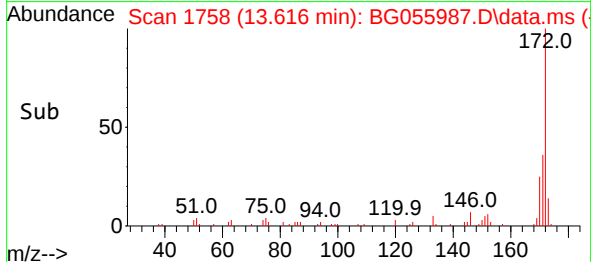
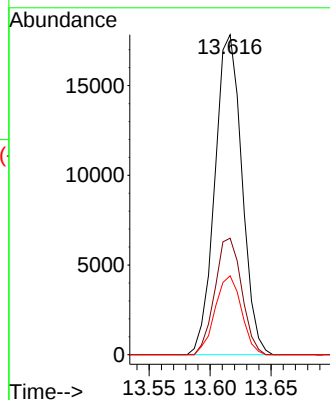
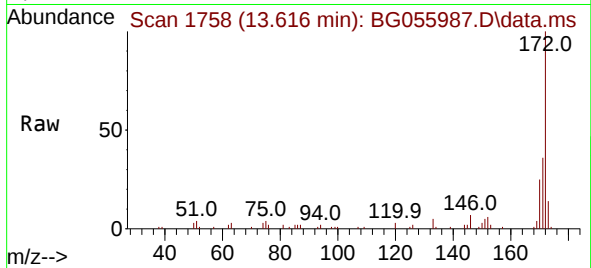




#45
2-Fluorobiphenyl
Concen: 12.427 ng
RT: 13.616 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

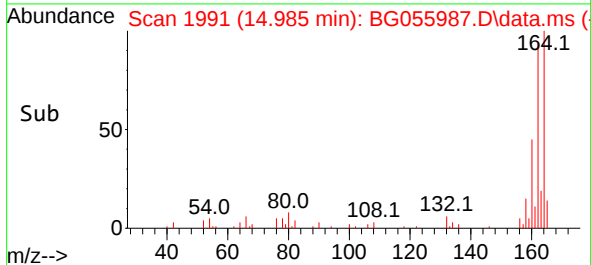
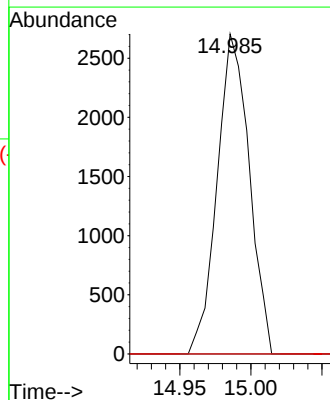
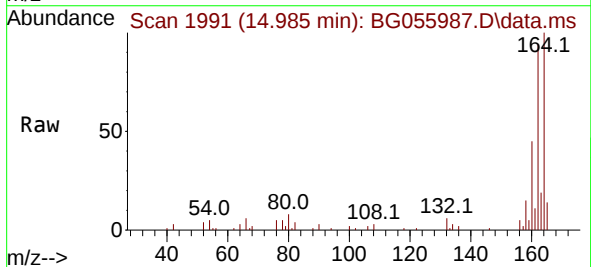
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

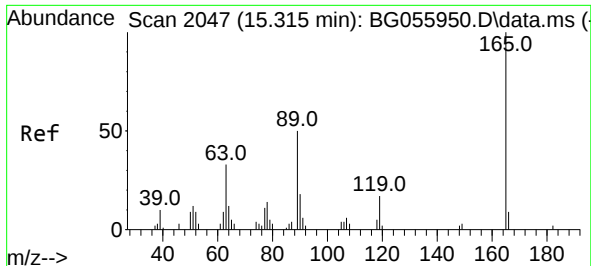
Tgt Ion:172 Resp: 27580
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 24.7 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 10.199 ng
RT: 14.985 min Scan# 1991
Delta R.T. 0.445 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:165 Resp: 4247
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#

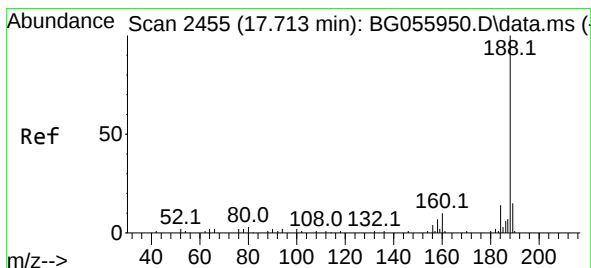
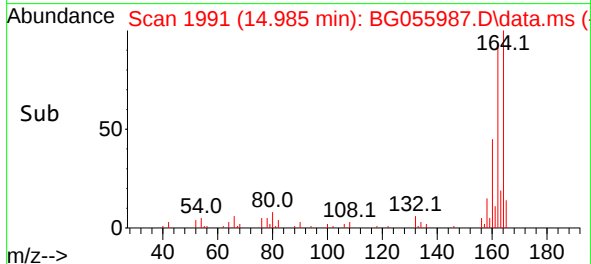
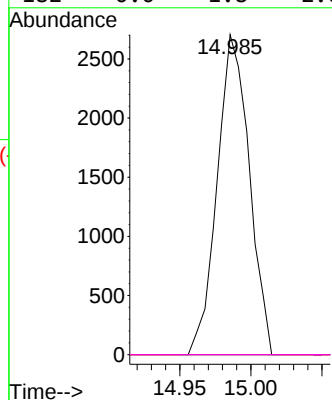
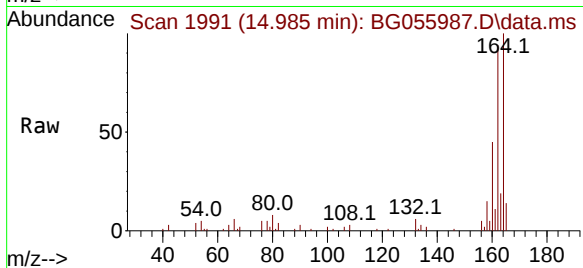




#57
2,4-Dinitrotoluene
Concen: 6.757 ng
RT: 14.985 min Scan# 1991
Delta R.T. -0.330 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

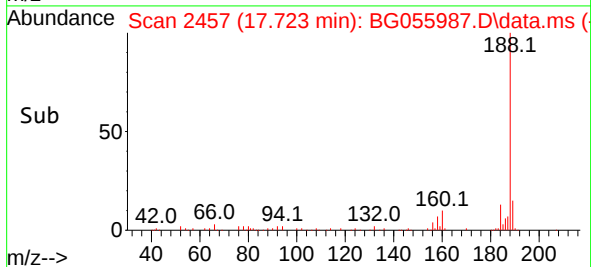
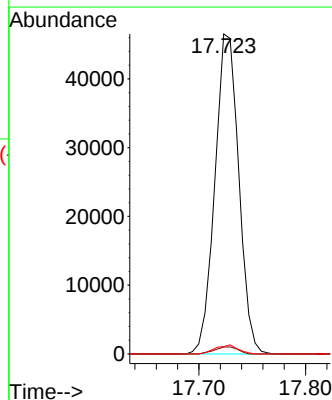
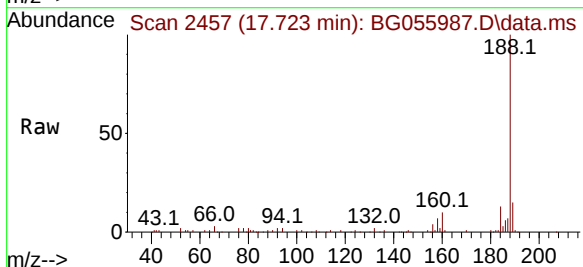
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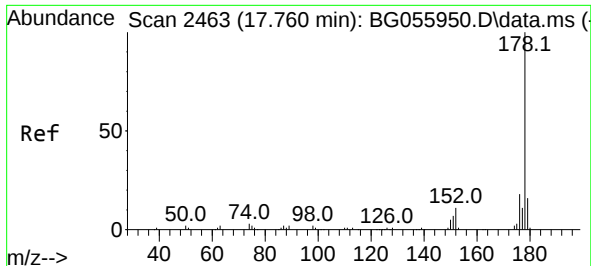
Tgt Ion:165 Resp: 4247
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.723 min Scan# 2457
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:188 Resp: 72405
Ion Ratio Lower Upper
188 100
94 2.1 1.8 2.8
80 2.3 2.4 3.6#

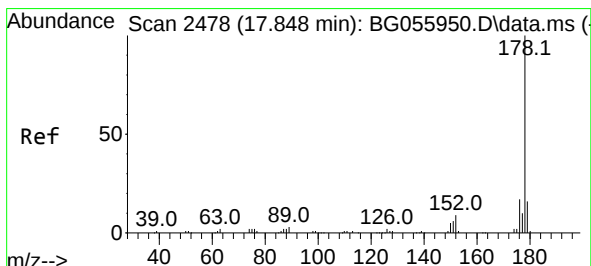
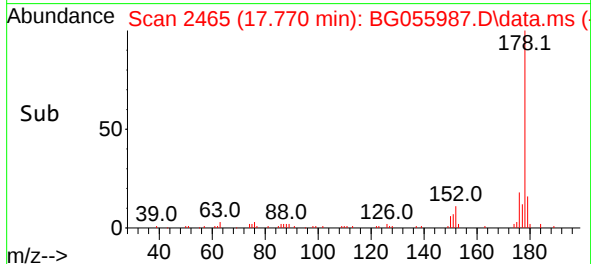
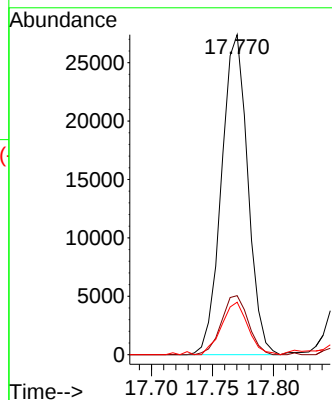
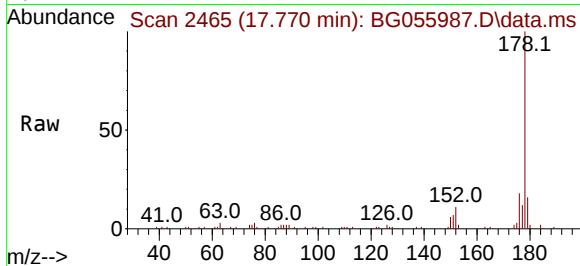




#71
Phenanthrene
Concen: 10.855 ng
RT: 17.770 min Scan# 2465
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

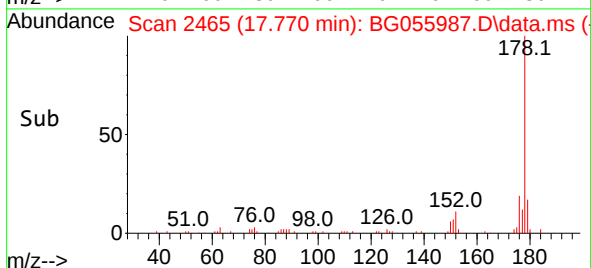
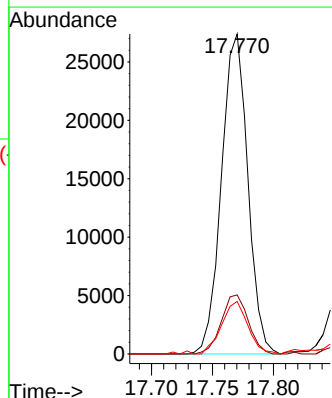
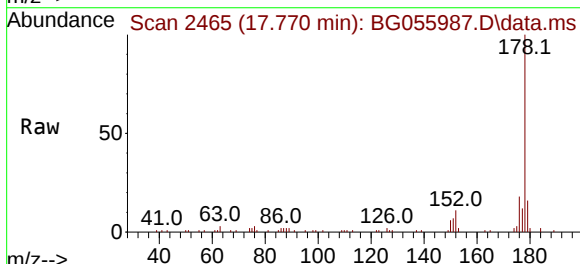
Instrument :
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ClientSampleId :
PT-2-121422

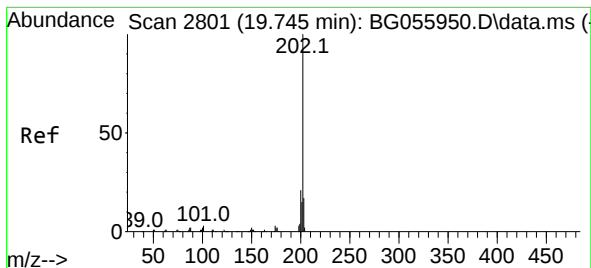
Tgt Ion:178 Resp: 41187
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 16.4 12.7 19.1



#72
Anthracene
Concen: 10.972 ng
RT: 17.770 min Scan# 2465
Delta R.T. -0.077 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:178 Resp: 41187
Ion Ratio Lower Upper
178 100
176 18.4 13.9 20.9
179 16.4 12.7 19.1





#75

Fluoranthene

Concen: 16.542 ng

RT: 19.756 min Scan# 21

Delta R.T. 0.011 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

PT-2-121422

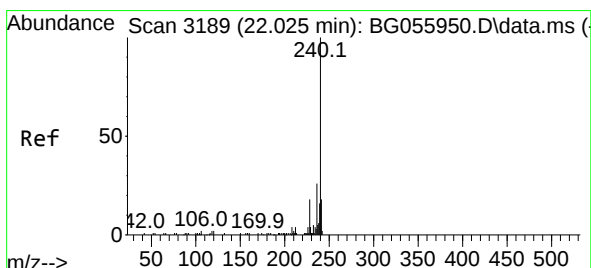
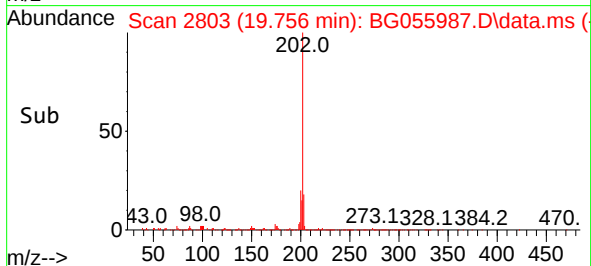
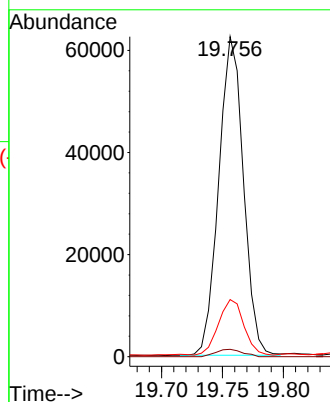
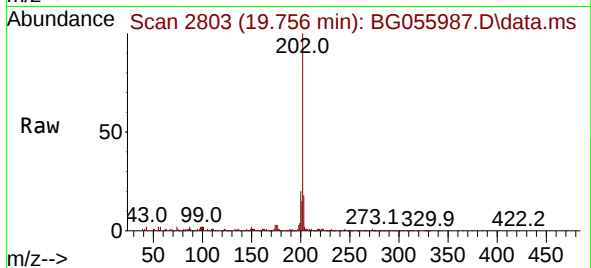
Tgt Ion:202 Resp: 87895

Ion Ratio Lower Upper

202 100

101 2.3 0.0 22.6

203 17.8 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.042 min Scan# 3192

Delta R.T. 0.017 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

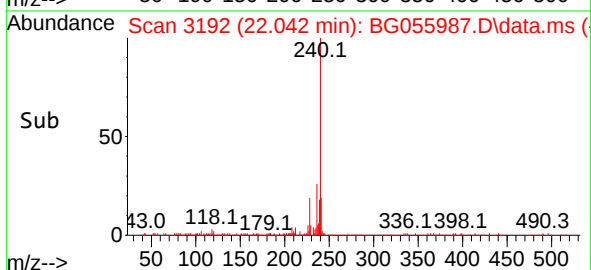
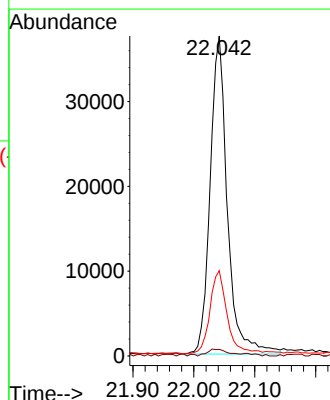
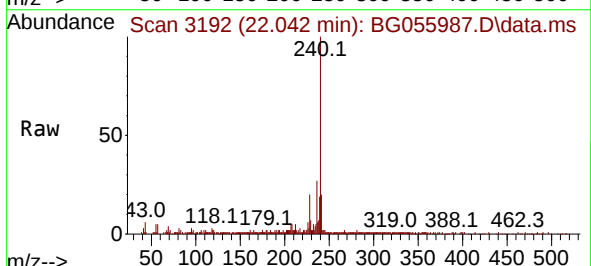
Tgt Ion:240 Resp: 73526

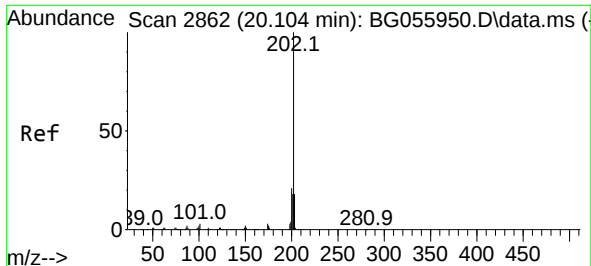
Ion Ratio Lower Upper

240 100

120 2.1 1.7 2.5

236 26.6 21.1 31.7

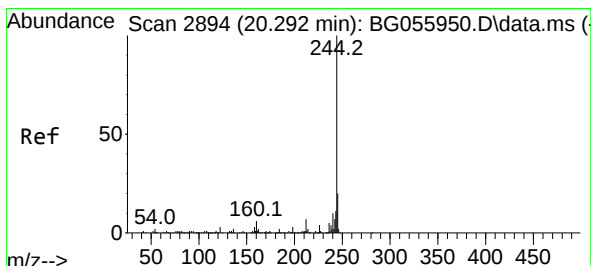
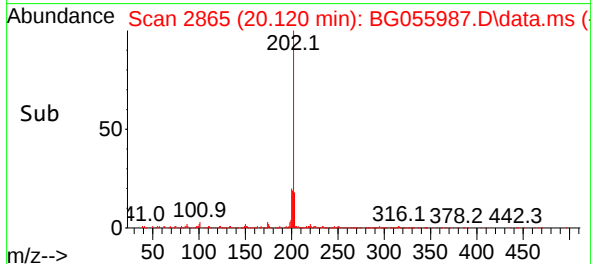
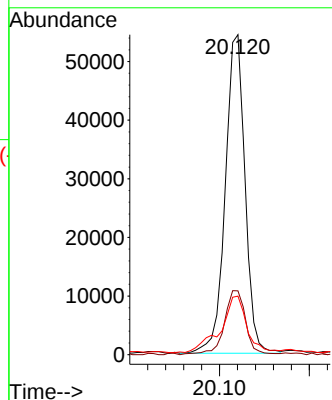
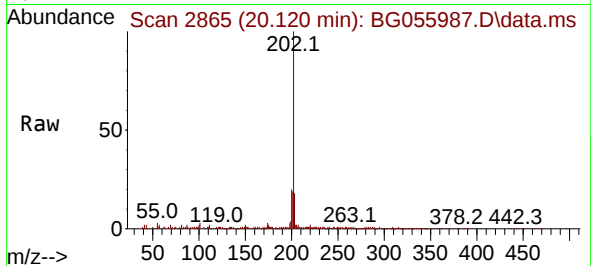




#78
 Pyrene
 Concen: 18.637 ng
 RT: 20.120 min Scan# 2865
 Delta R.T. 0.017 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

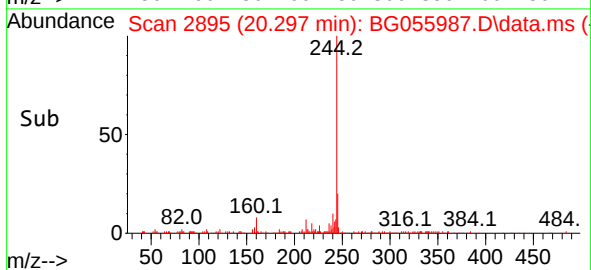
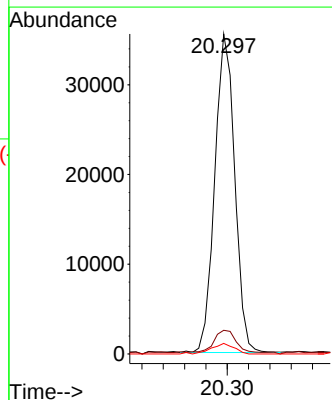
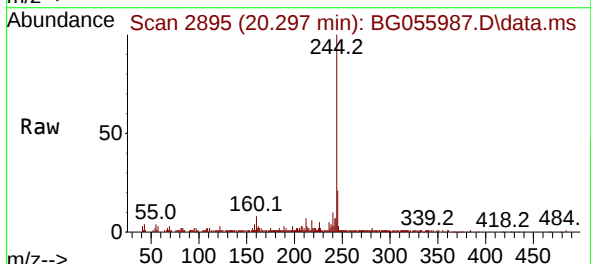
Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422

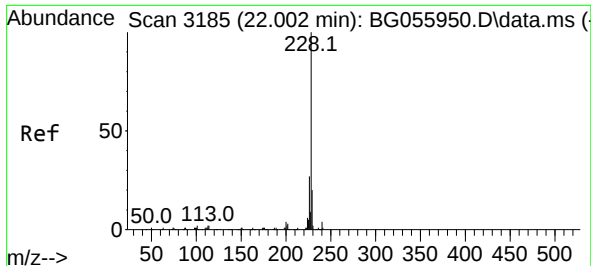
Tgt Ion:202 Resp: 82918
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.7 25.1
 203 18.3 14.6 21.8



#79
 Terphenyl-d14
 Concen: 11.074 ng
 RT: 20.297 min Scan# 2895
 Delta R.T. 0.005 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Tgt Ion:244 Resp: 46071
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 3.3 2.5 3.7

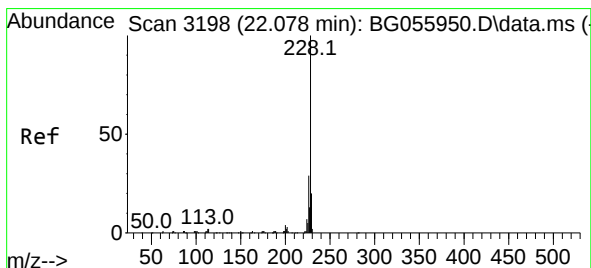
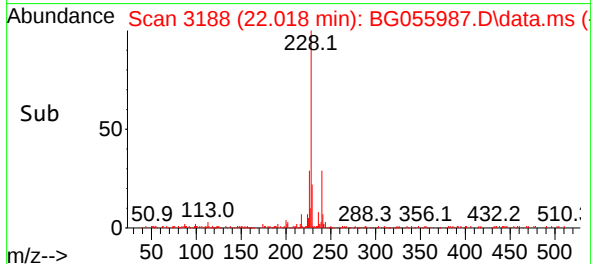
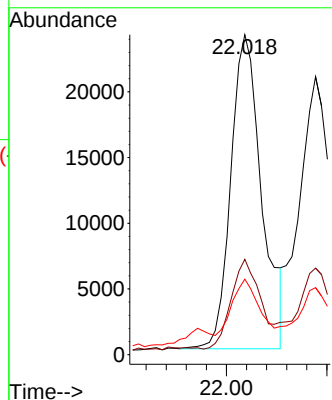
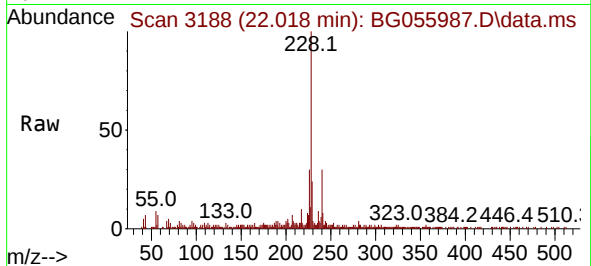




#81
Benzo(a)anthracene
Concen: 9.872 ng
RT: 22.018 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

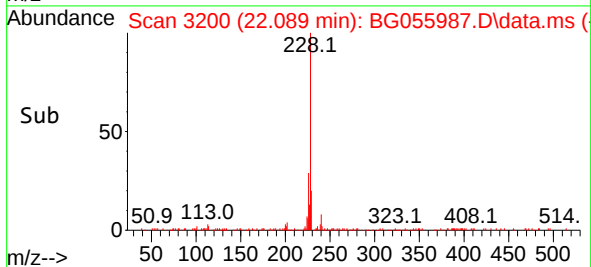
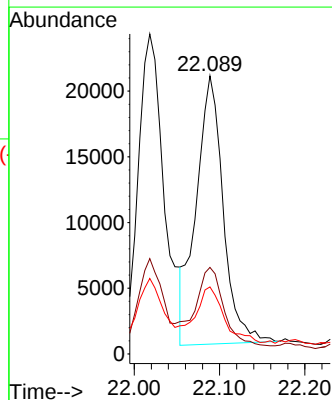
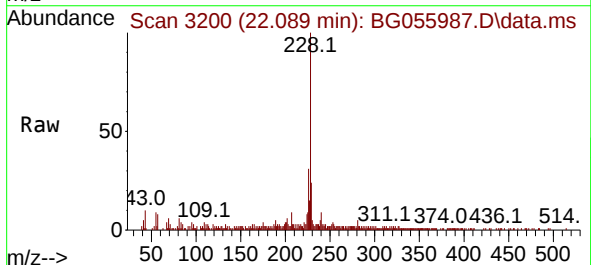
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

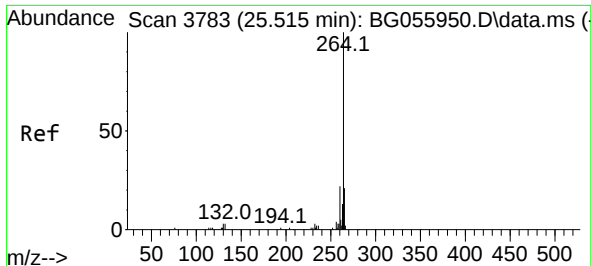
Tgt Ion:228 Resp: 51079
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.6
229 23.6 15.9 23.9



#83
Chrysene
Concen: 9.289 ng
RT: 22.089 min Scan# 3200
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:228 Resp: 45045
Ion Ratio Lower Upper
228 100
226 31.1 23.1 34.7
229 24.1 15.7 23.5#

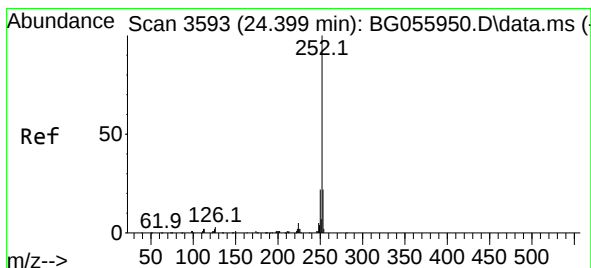
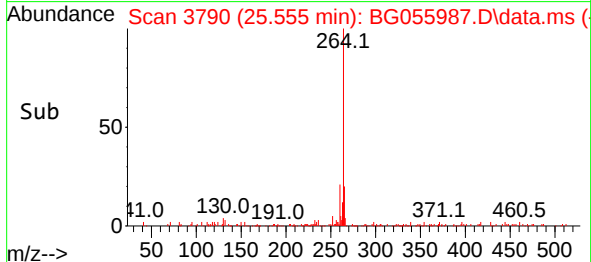
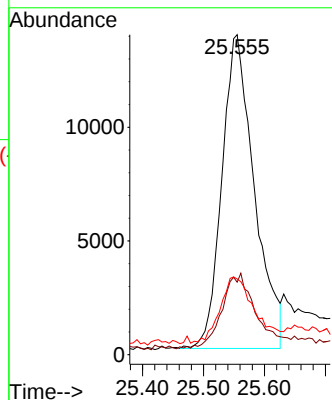
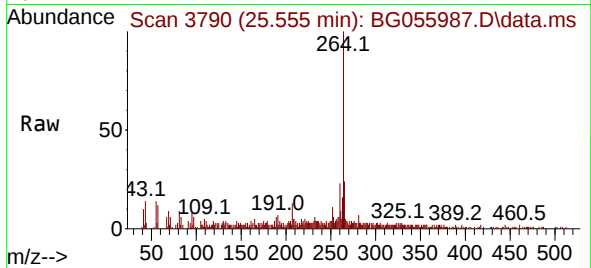




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.555 min Scan# 31
Delta R.T. 0.040 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

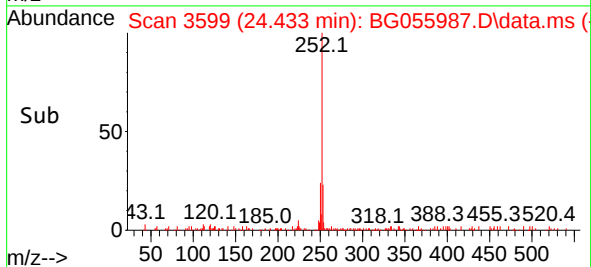
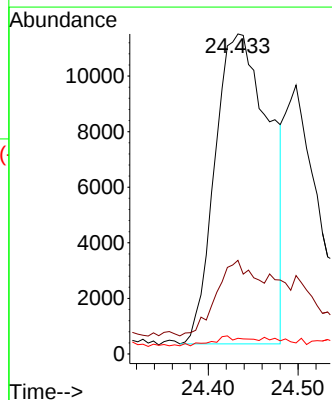
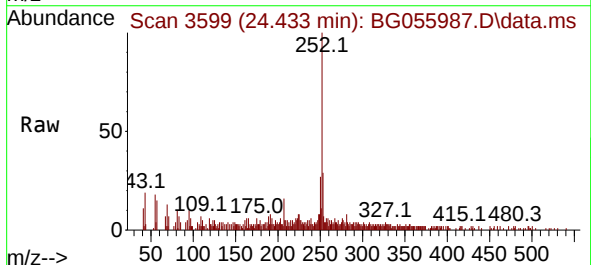
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

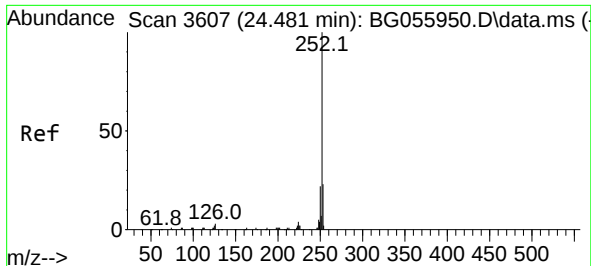
Tgt Ion:	264	Resp:	51092
Ion Ratio	Lower	Upper	
264	100		
260	22.7	17.8	26.8
265	23.6	16.6	25.0



#88
Benzo(b)fluoranthene
Concen: 14.147 ng
RT: 24.433 min Scan# 3599
Delta R.T. 0.034 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:	252	Resp:	46780
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.4	26.0#
125	4.9	1.8	2.8#

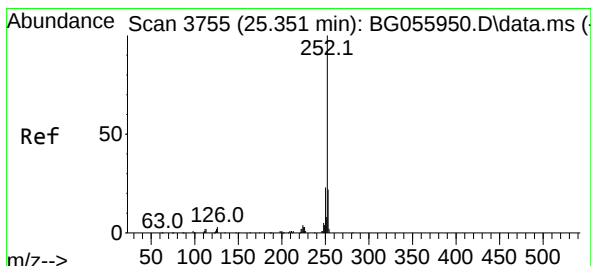
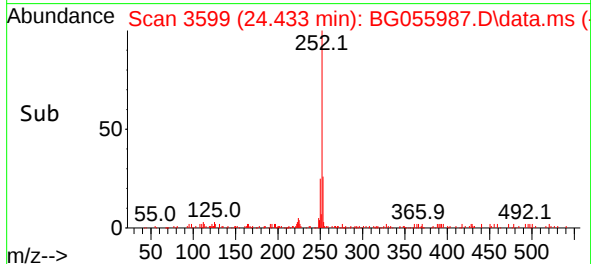
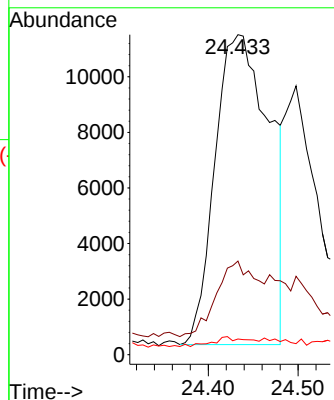
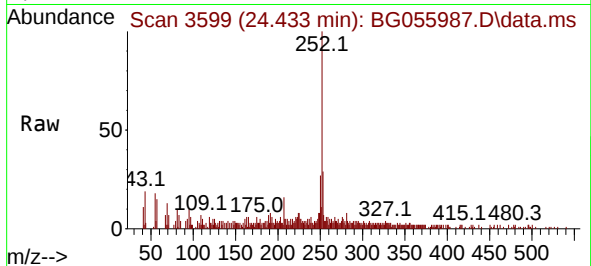




#89
Benzo(k)fluoranthene
Concen: 14.180 ng
RT: 24.433 min Scan# 31
Delta R.T. -0.048 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

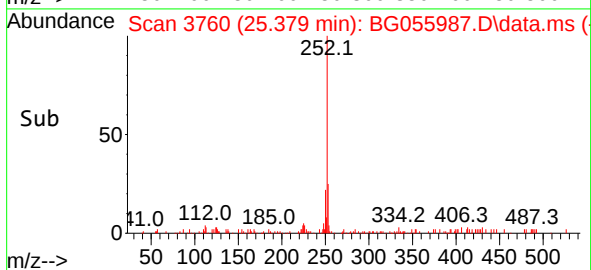
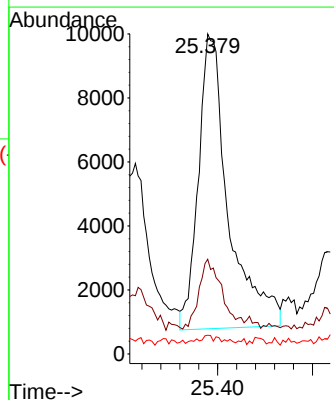
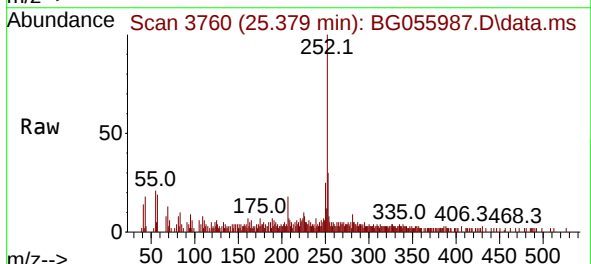
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

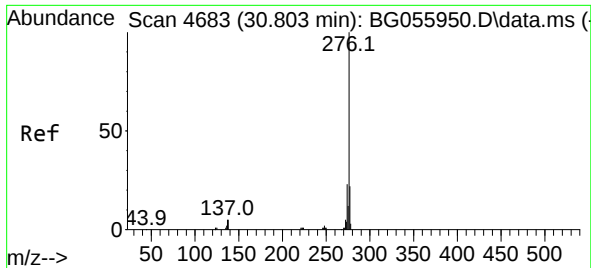
Tgt Ion:252 Resp: 46780
Ion Ratio Lower Upper
252 100
253 29.3 18.2 27.2#
125 4.9 2.0 3.0#



#90
Benzo(a)pyrene
Concen: 14.505 ng
RT: 25.379 min Scan# 3760
Delta R.T. 0.028 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

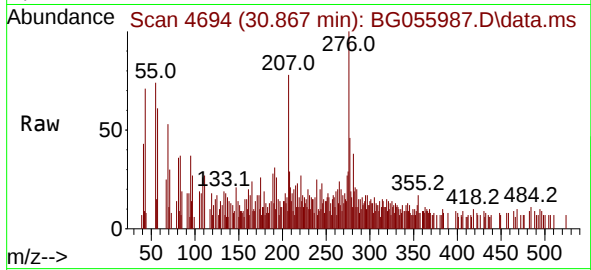
Tgt Ion:252 Resp: 40543
Ion Ratio Lower Upper
252 100
253 29.6 17.7 26.5#
125 5.8 1.9 2.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.544 ng
 RT: 30.867 min Scan# 4
 Delta R.T. 0.064 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422



Tgt Ion:276 Resp: 11784
 Ion Ratio Lower Upper
 276 100
 277 46.1 17.8 26.6#
 138 6.4 3.8 5.6#

