

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054858.D
 Acq On : 6 Sep 2022 19:17
 Operator : CG/JU
 Sample : N4500-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-25-COMP

Quant Time: Sep 07 04:59:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

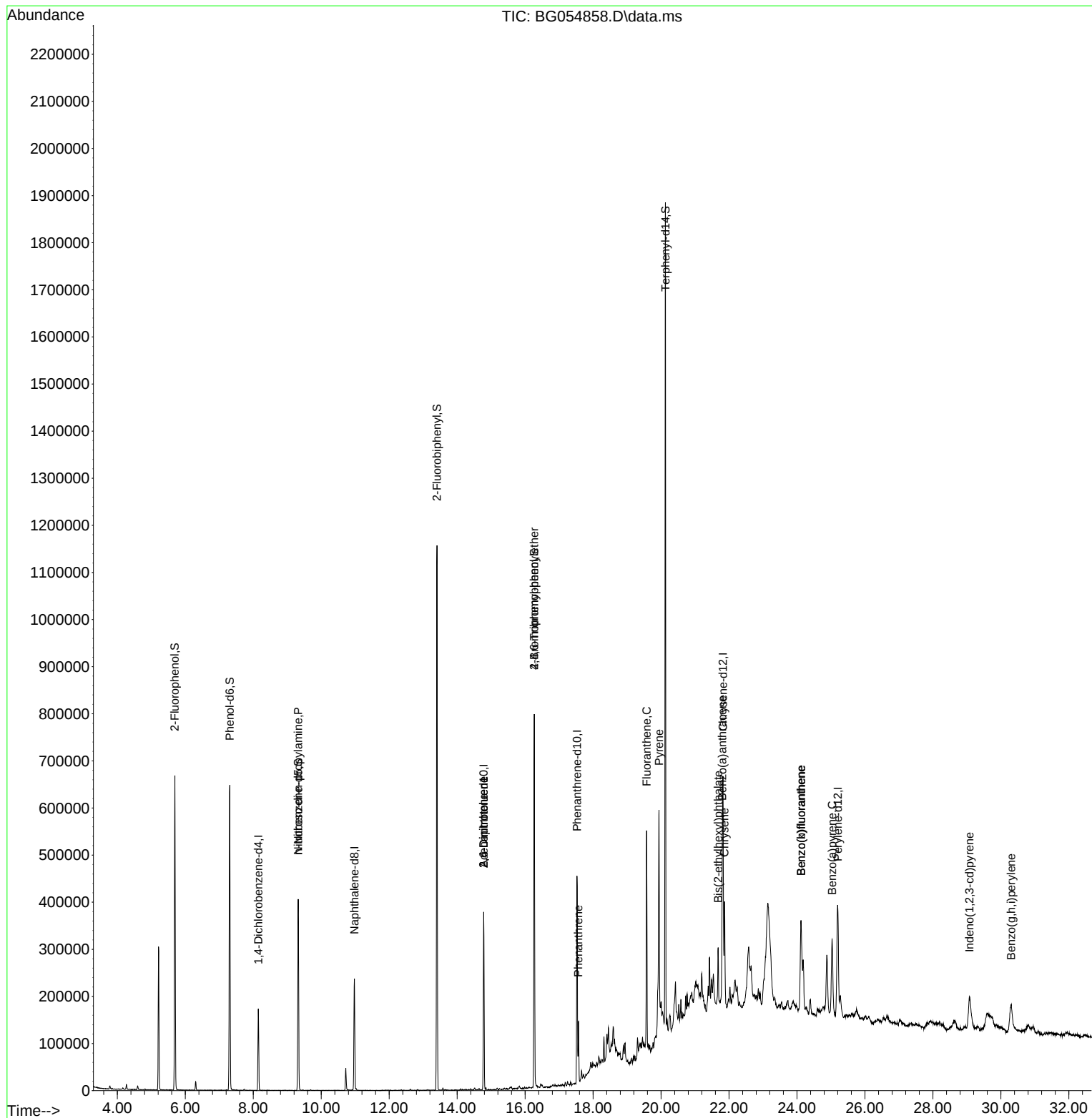
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	53599	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	219516	20.000	ng	0.00
39) Acenaphthene-d10	14.782	164	140781	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	293656	20.000	ng	0.00
76) Chrysene-d12	21.821	240	263927	20.000	ng	0.00
86) Perylene-d12	25.200	264	282689	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	313967	102.004	ng	0.00
7) Phenol-d6	7.309	99	426567	101.336	ng	0.01
23) Nitrobenzene-d5	9.324	82	263351	62.979	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	178412	101.419	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	639811	68.308	ng	0.00
79) Terphenyl-d14	20.129	244	889626	66.787	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.324	70	33027	11.410	ng	# 78
51) 2,6-Dinitrotoluene	14.782	165	18643	8.404	ng	# 22
57) 2,4-Dinitrotoluene	14.782	165	18643	6.076	ng	# 19
67) 4-Bromophenyl-phenylether	16.269	248	11159	3.461	ng	# 1
71) Phenanthrene	17.567	178	83103	5.312	ng	98
75) Fluoranthene	19.577	202	287612	15.114	ng	98
78) Pyrene	19.941	202	272352	14.799	ng	98
81) Benzo(a)anthracene	21.804	228	159741	8.927	ng	98
83) Chrysene	21.868	228	178684	10.443	ng	99
84) Bis(2-ethylhexyl)phtha...	21.680	149	47603	4.304	ng	99
87) Indeno(1,2,3-cd)pyrene	29.077	276	142782	6.653	ng	95
88) Benzo(b)fluoranthene	24.119	252	271027	15.283	ng	99
89) Benzo(k)fluoranthene	24.119	252	271027	15.186	ng	99
90) Benzo(a)pyrene	25.035	252	183945	12.141	ng	99
92) Benzo(g,h,i)perylene	30.305	276	148110	8.385	ng	96

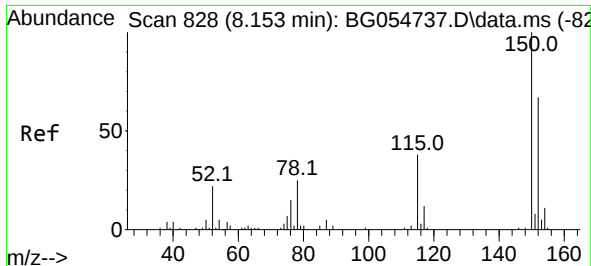
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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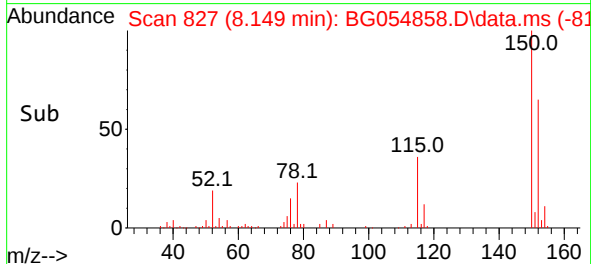
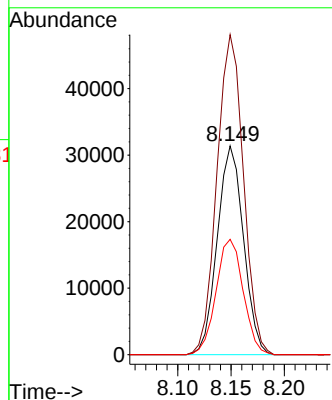
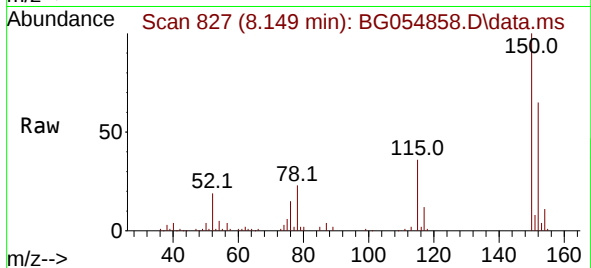




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

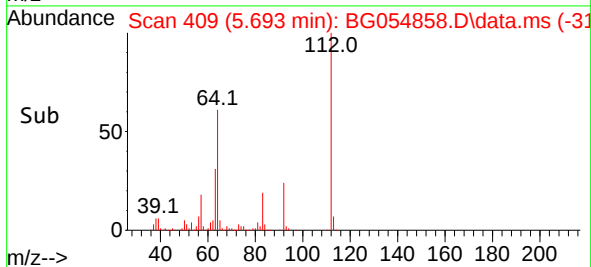
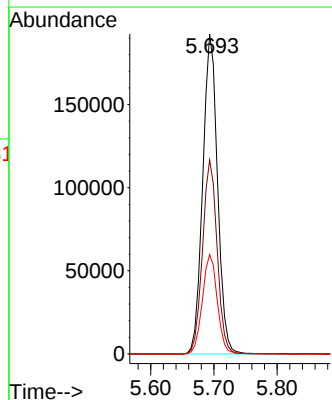
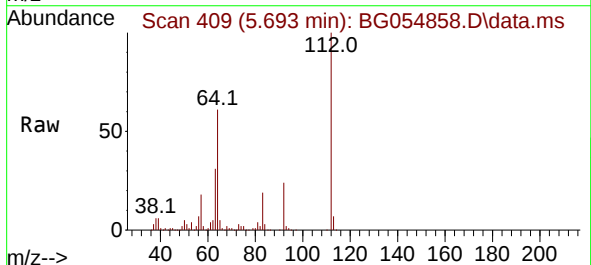
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

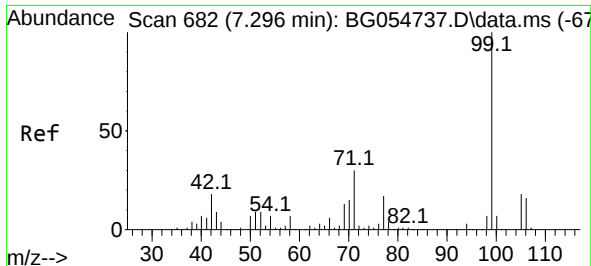
Tgt Ion:152 Resp: 53599
Ion Ratio Lower Upper
152 100
150 153.3 125.2 187.8
115 55.3 47.9 71.9



#5
2-Fluorophenol
Concen: 102.004 ng
RT: 5.693 min Scan# 409
Delta R.T. 0.007 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:112 Resp: 313967
Ion Ratio Lower Upper
112 100
64 60.6 49.3 73.9
63 31.1 26.3 39.5

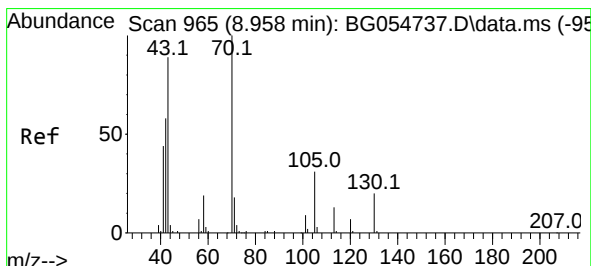
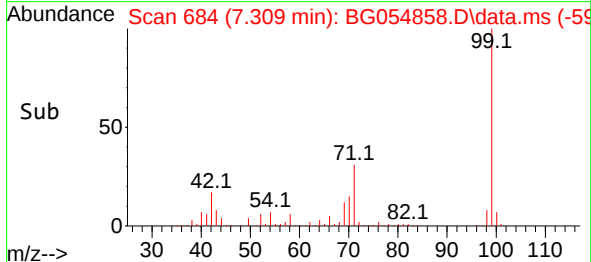
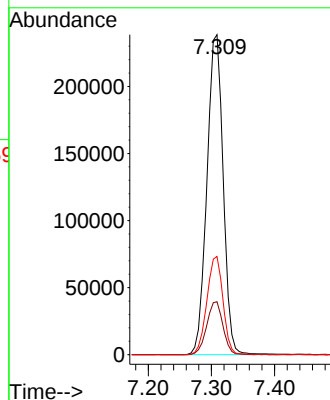
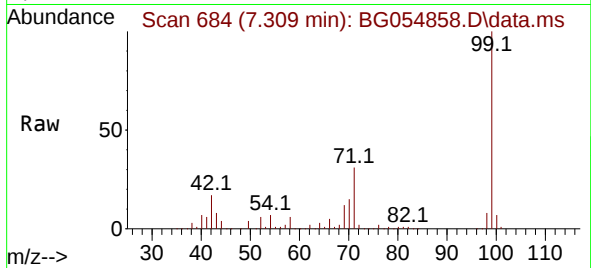




#7
Phenol-d6
Concen: 101.336 ng
RT: 7.309 min Scan# 61
Delta R.T. 0.013 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

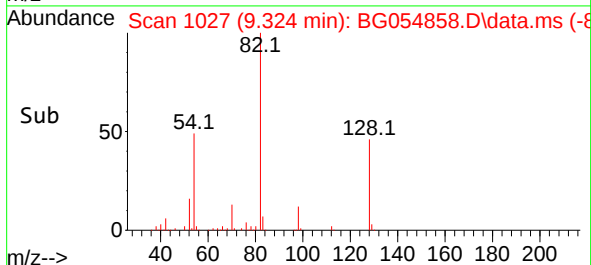
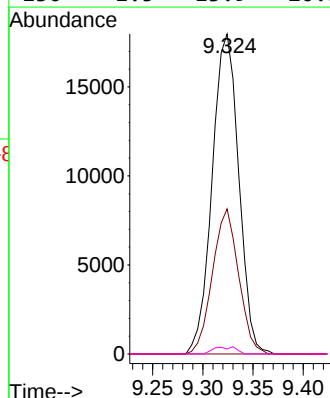
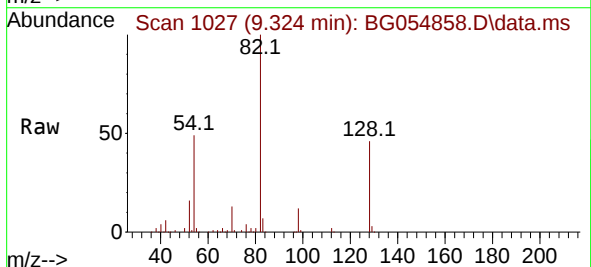
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

Tgt Ion: 99 Resp: 426567
Ion Ratio Lower Upper
99 100
42 16.6 14.6 22.0
71 30.7 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.410 ng
RT: 9.324 min Scan# 1027
Delta R.T. 0.366 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion: 70 Resp: 33027
Ion Ratio Lower Upper
70 100
42 45.4 46.6 69.8#
101 0.0 7.7 11.5#
130 1.5 13.9 20.9#

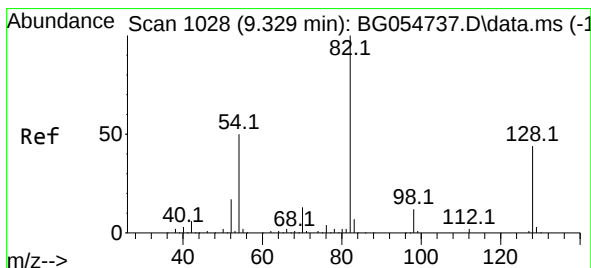
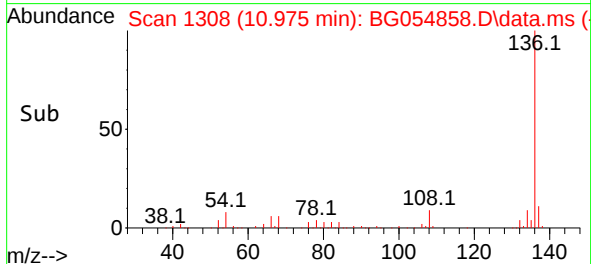
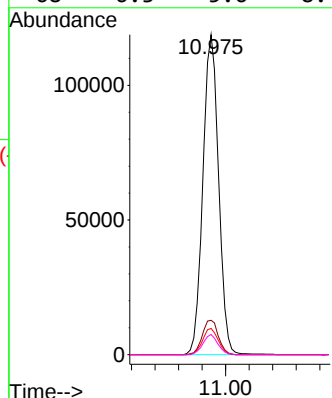
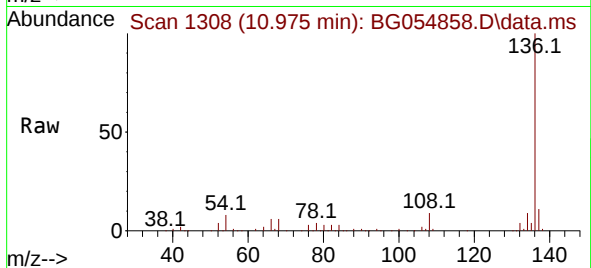




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

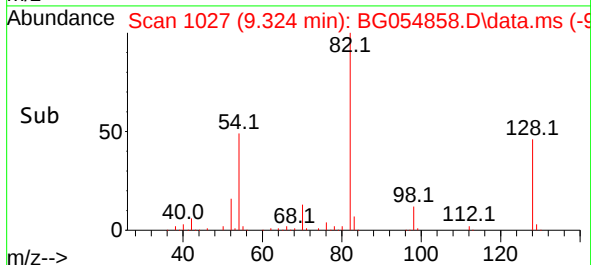
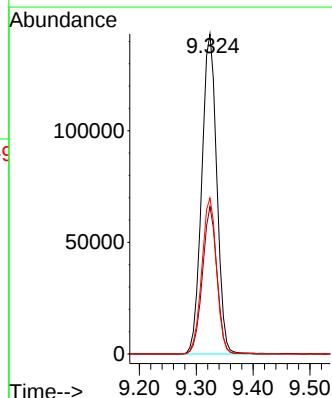
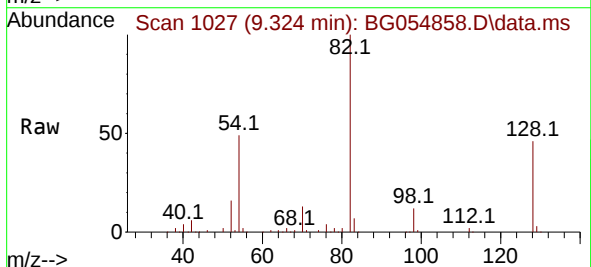
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

Tgt Ion:	136	Resp:	219516
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.2	7.7	11.5
68	6.3	5.6	8.4



#23
Nitrobenzene-d5
Concen: 62.979 ng
RT: 9.324 min Scan# 1027
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:	82	Resp:	263351
Ion	Ratio	Lower	Upper
82	100		
128	46.1	32.2	48.2
54	48.7	41.4	62.0

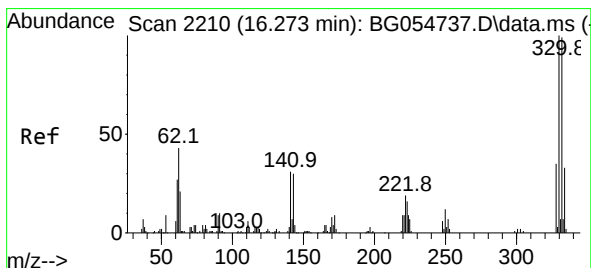
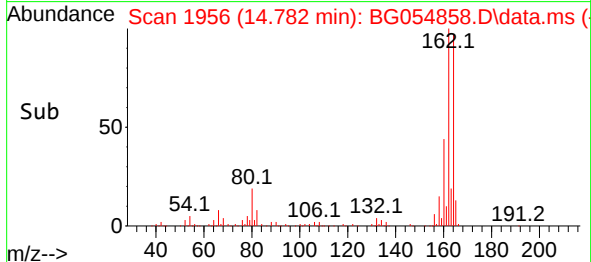
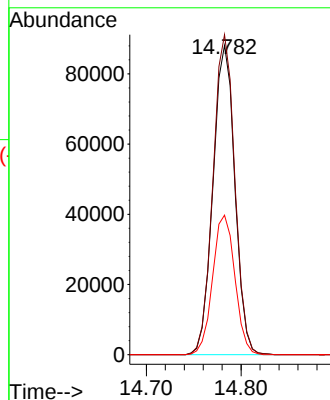
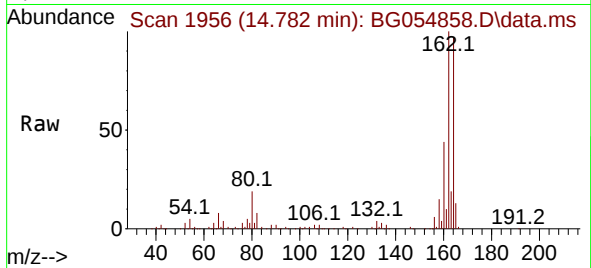




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

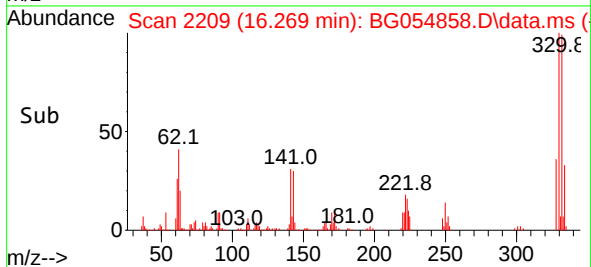
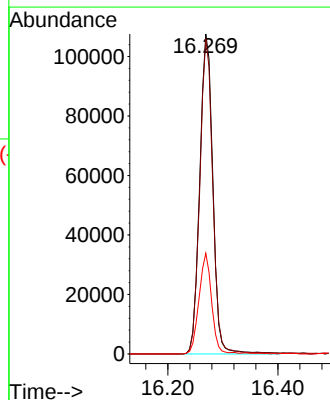
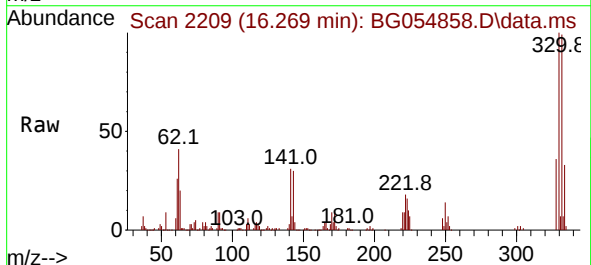
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

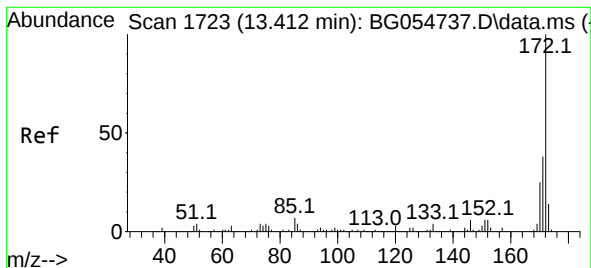
Tgt Ion:164 Resp: 140781
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.4
160 45.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 101.419 ng
RT: 16.269 min Scan# 2209
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:330 Resp: 178412
Ion Ratio Lower Upper
330 100
332 96.9 79.8 119.6
141 30.3 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 68.308 ng

RT: 13.408 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

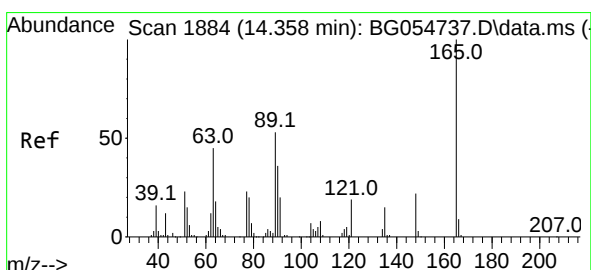
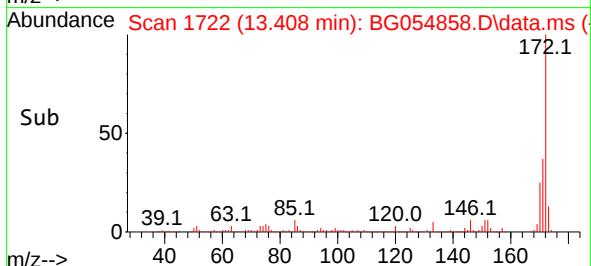
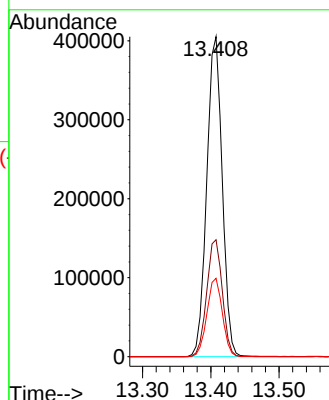
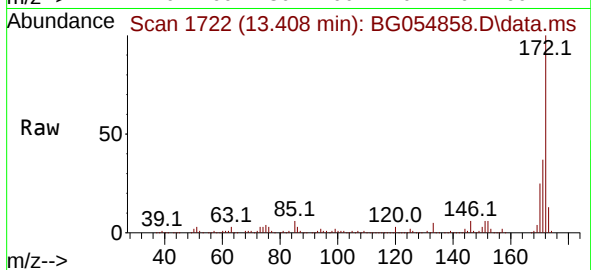
Tgt Ion:172 Resp: 639811

Ion Ratio Lower Upper

172 100

171 36.5 31.2 46.8

170 24.5 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 8.404 ng

RT: 14.782 min Scan# 1956

Delta R.T. 0.424 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

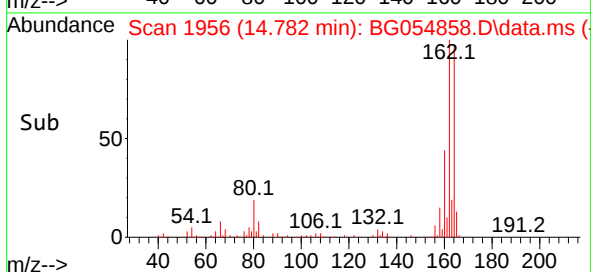
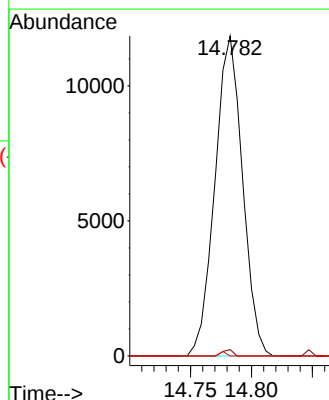
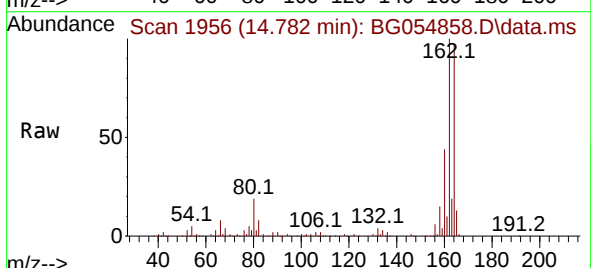
Tgt Ion:165 Resp: 18643

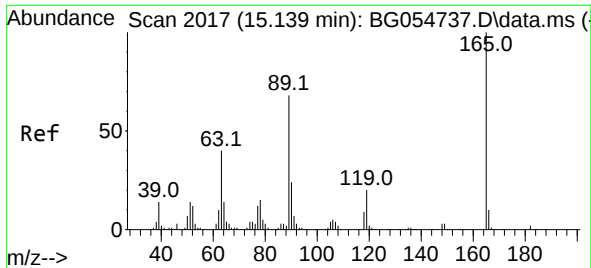
Ion Ratio Lower Upper

165 100

63 2.0 46.0 69.0#

89 0.0 50.3 75.5#

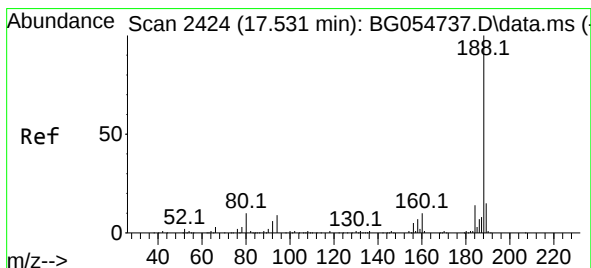
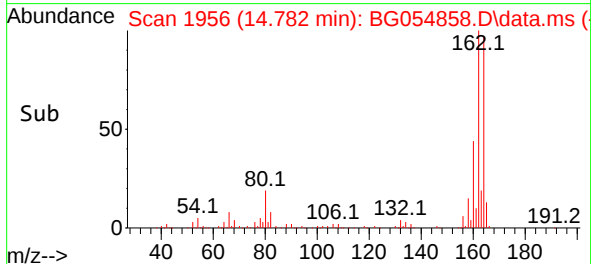
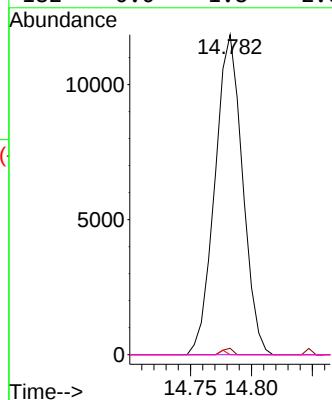
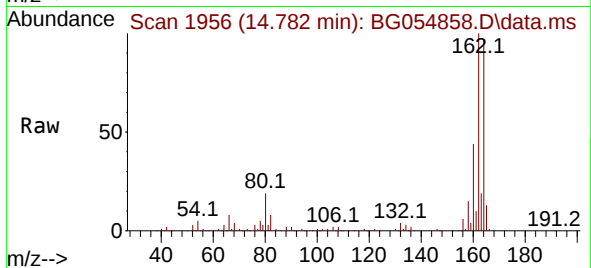




#57
2,4-Dinitrotoluene
Concen: 6.076 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.357 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

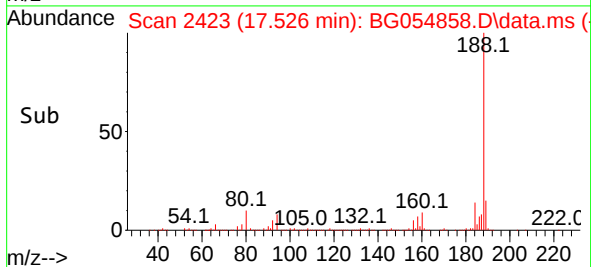
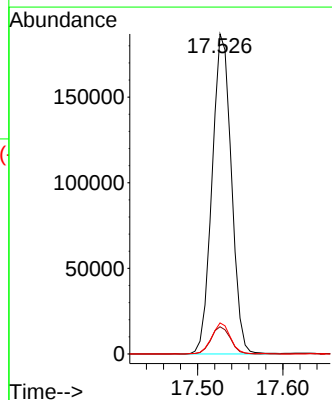
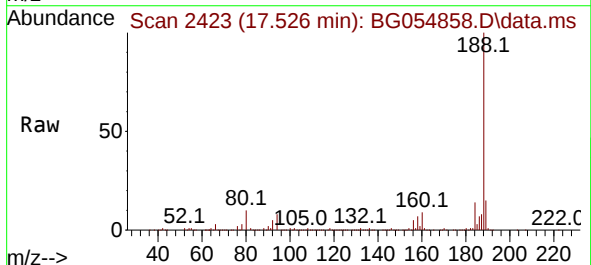
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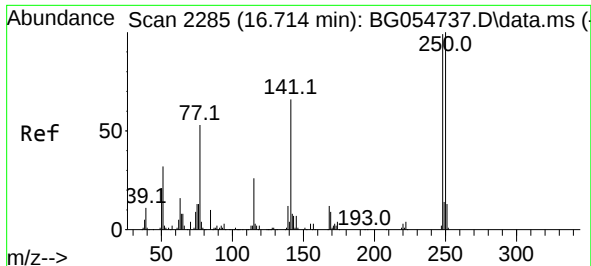
Tgt Ion:165 Resp: 18643
Ion Ratio Lower Upper
165 100
63 2.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.526 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:188 Resp: 293656
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.7 7.9 11.9

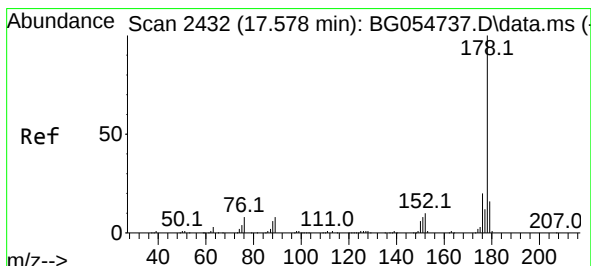
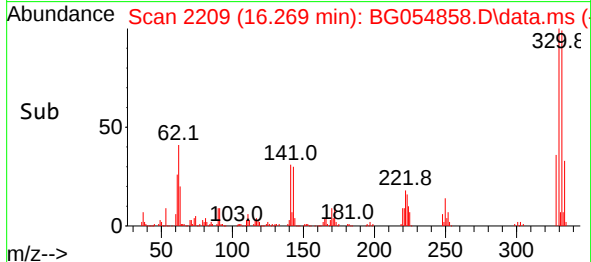
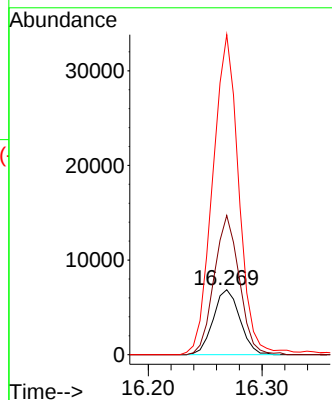
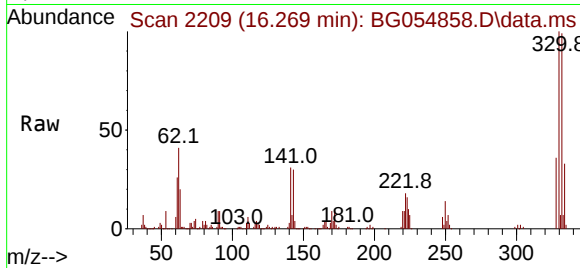




#67
4-Bromophenyl-phenylether
Concen: 3.461 ng
RT: 16.269 min Scan# 211
Delta R.T. -0.445 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

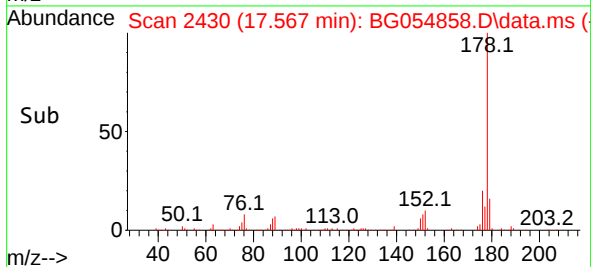
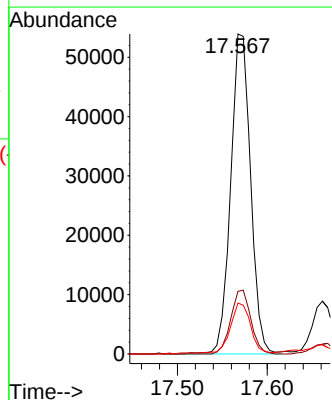
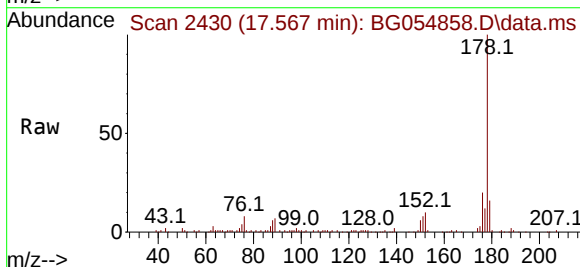
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

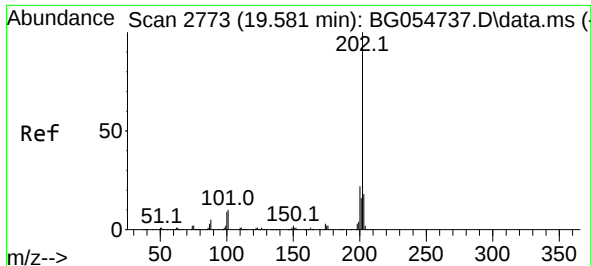
Tgt Ion:248 Resp: 11159
Ion Ratio Lower Upper
248 100
250 214.4 78.8 118.2#
141 492.8 51.9 77.9#



#71
Phenanthrene
Concen: 5.312 ng
RT: 17.567 min Scan# 2430
Delta R.T. -0.010 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:178 Resp: 83103
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.9 12.8 19.2

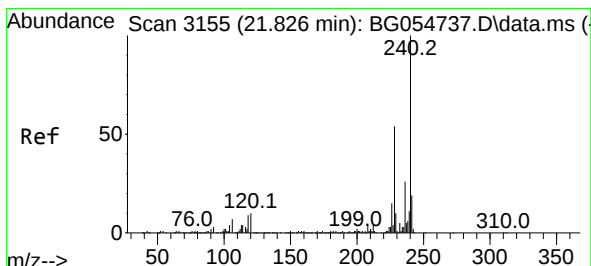
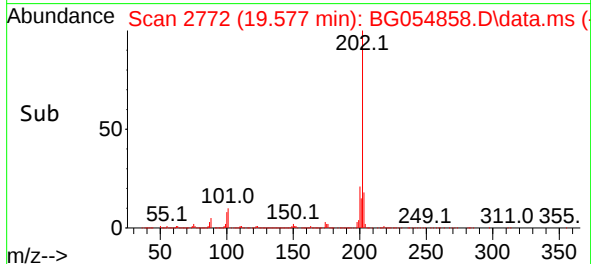
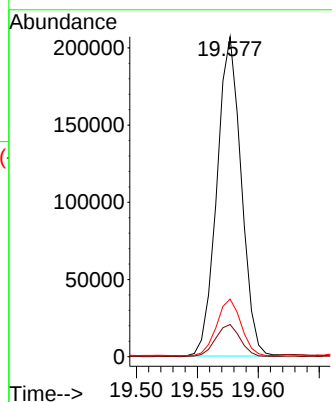
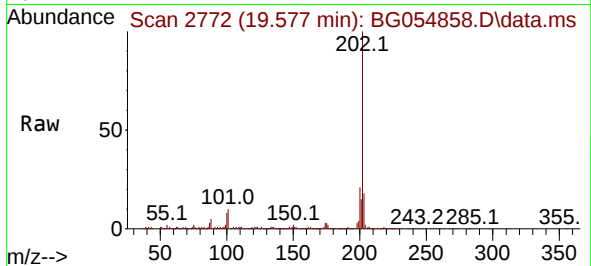




#75
Fluoranthene
Concen: 15.114 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

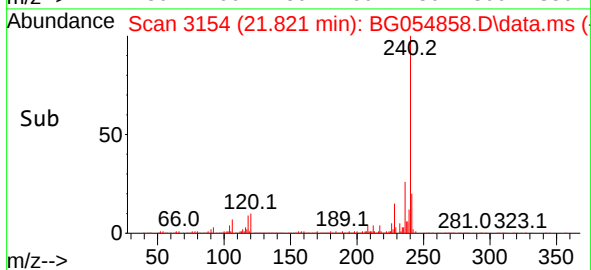
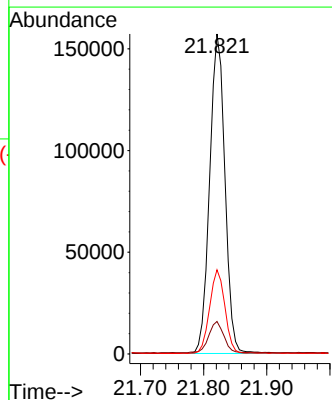
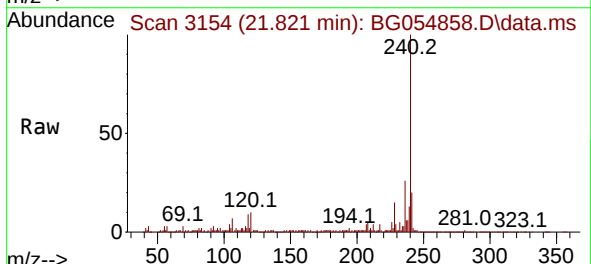
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

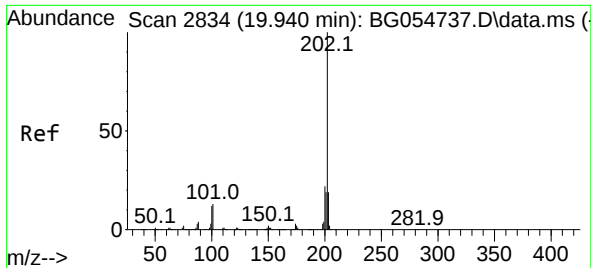
Tgt Ion:202 Resp: 287612
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 18.0 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:240 Resp: 263927
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.4
236 26.3 21.2 31.8



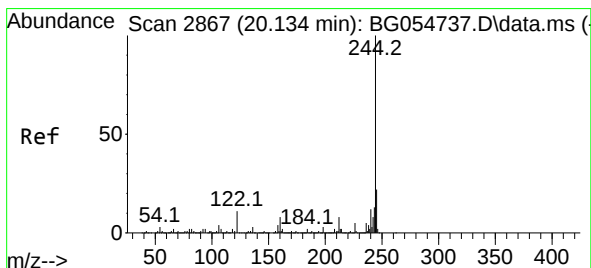
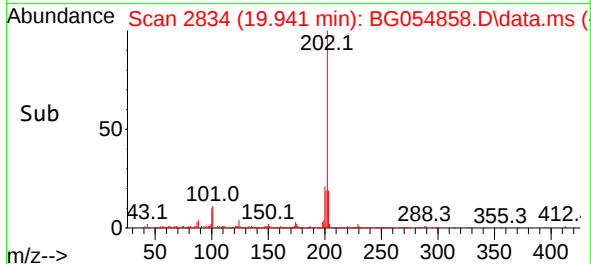
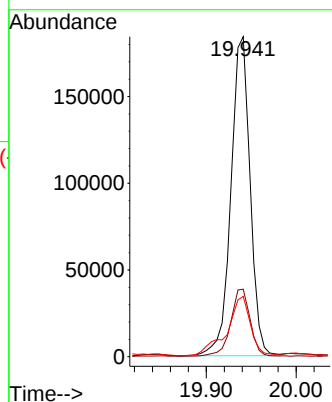
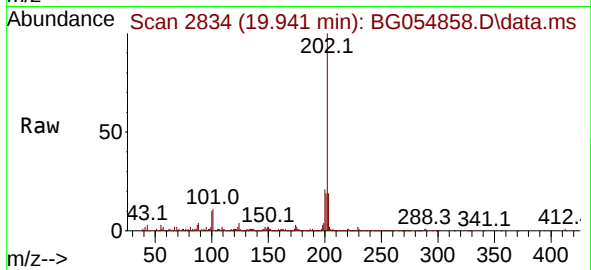


#78
 Pyrene
 Concen: 14.799 ng
 RT: 19.941 min Scan# 2834
 Delta R.T. 0.001 min
 Lab File: BG054858.D
 Acq: 6 Sep 2022 19:17

Instrument :
 BNA_G
 ClientSampleId :
 SB-25-COMP

Tgt Ion:202 Resp: 272352

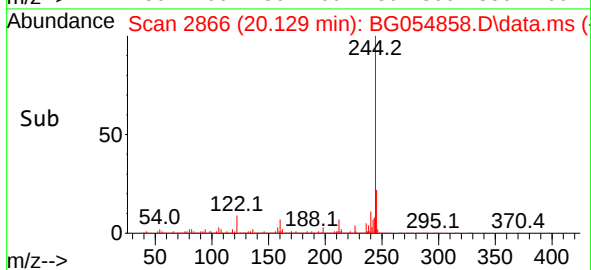
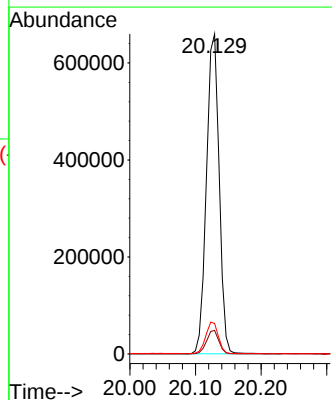
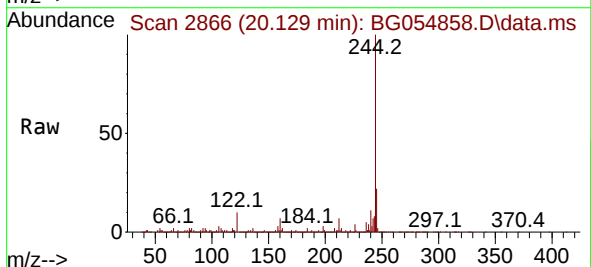
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	18.9	14.6	21.8

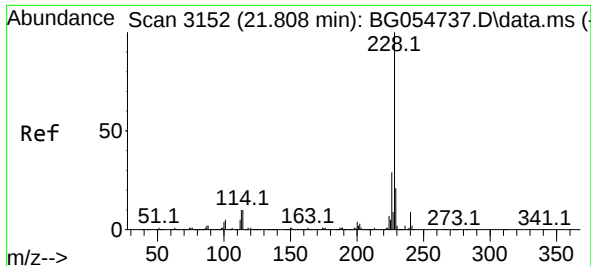


#79
 Terphenyl-d14
 Concen: 66.787 ng
 RT: 20.129 min Scan# 2866
 Delta R.T. -0.005 min
 Lab File: BG054858.D
 Acq: 6 Sep 2022 19:17

Tgt Ion:244 Resp: 889626

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	9.6	9.0	13.6

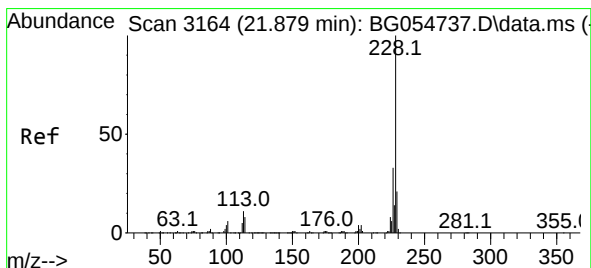
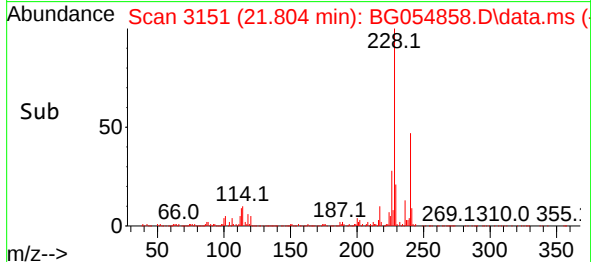
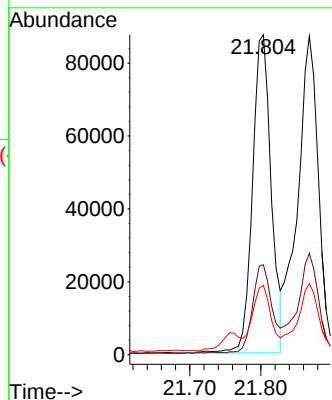
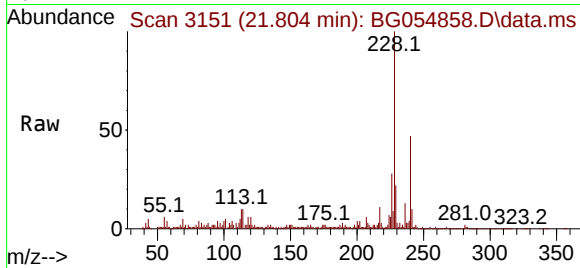




#81
Benzo(a)anthracene
Concen: 8.927 ng
RT: 21.804 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

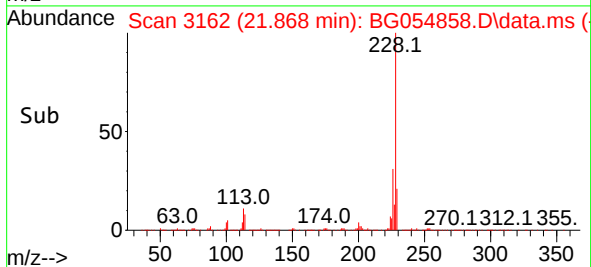
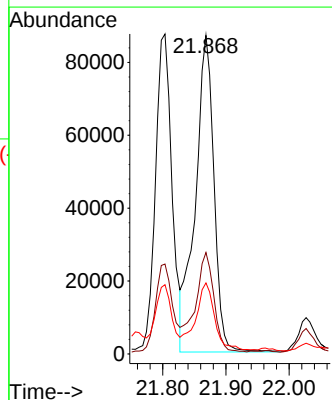
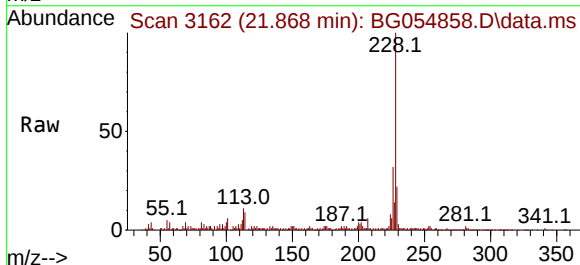
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

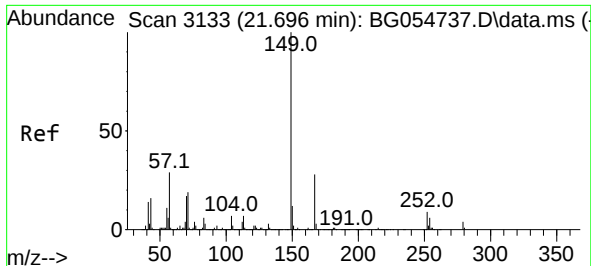
Tgt Ion:228 Resp: 159741
Ion Ratio Lower Upper
228 100
226 28.1 23.4 35.2
229 21.7 16.5 24.7



#83
Chrysene
Concen: 10.443 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.010 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:228 Resp: 178684
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 22.3 16.8 25.2

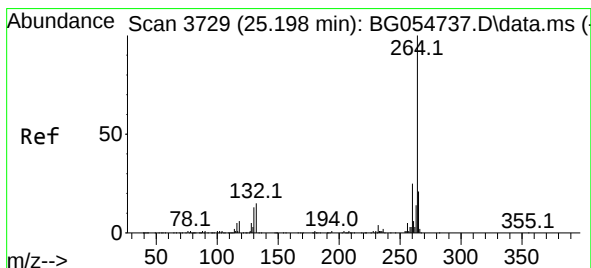
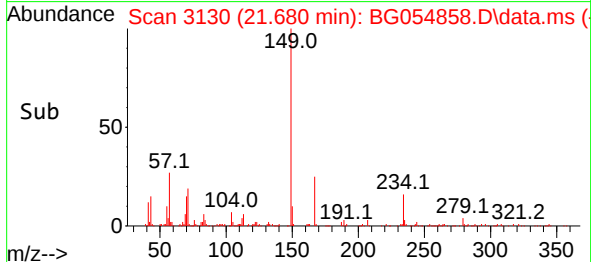
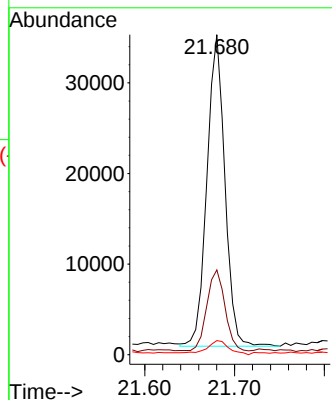
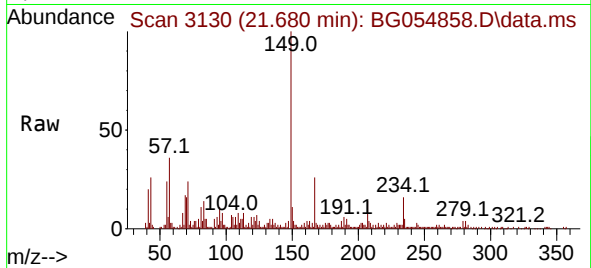




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.304 ng
RT: 21.680 min Scan# 3133
Delta R.T. -0.016 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

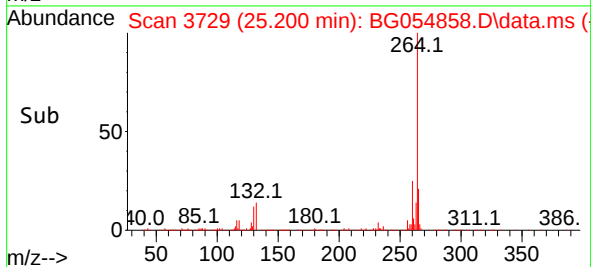
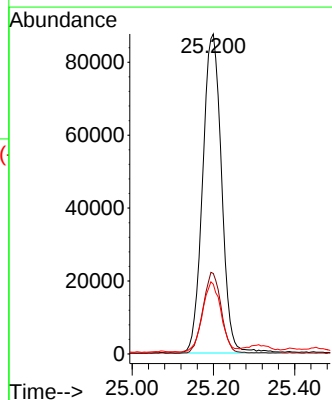
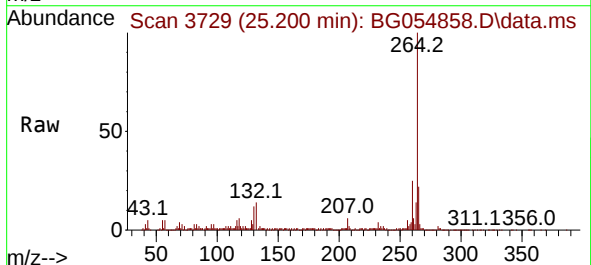
Instrument :
BNA_G
ClientSampleId :
SB-25-COMP

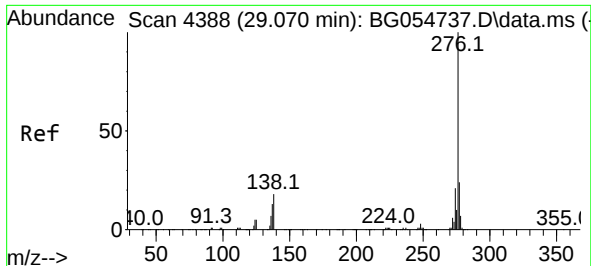
Tgt Ion:149 Resp: 47603
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.4 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.200 min Scan# 3729
Delta R.T. 0.001 min
Lab File: BG054858.D
Acq: 6 Sep 2022 19:17

Tgt Ion:264 Resp: 282689
Ion Ratio Lower Upper
264 100
260 25.2 19.9 29.9
265 21.8 16.9 25.3

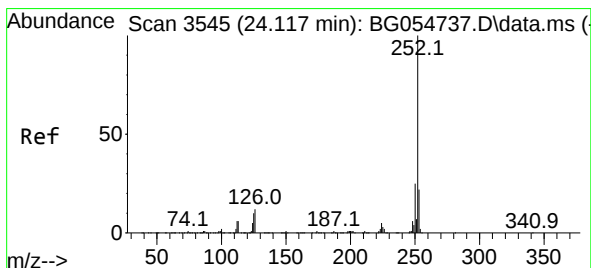
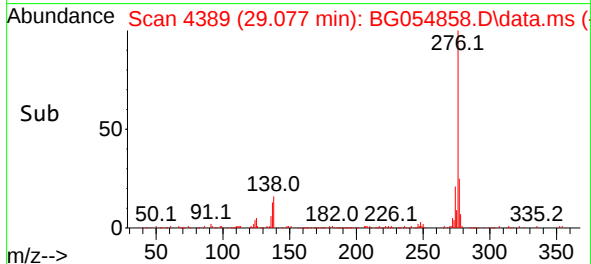
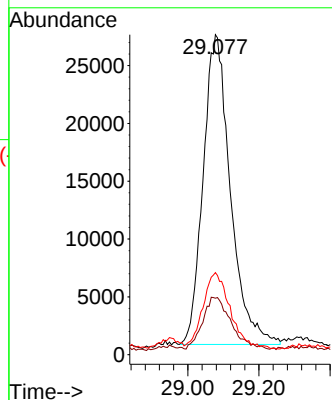
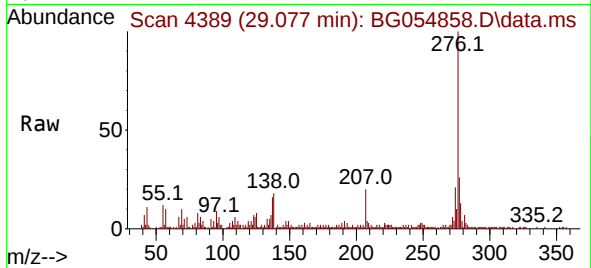




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.653 ng
 RT: 29.077 min Scan# 4389
 Delta R.T. 0.007 min
 Lab File: BG054858.D
 Acq: 6 Sep 2022 19:17

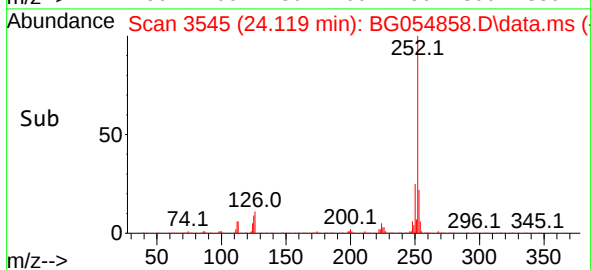
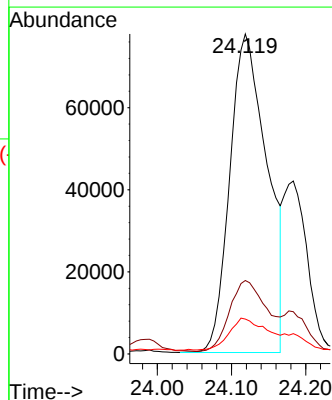
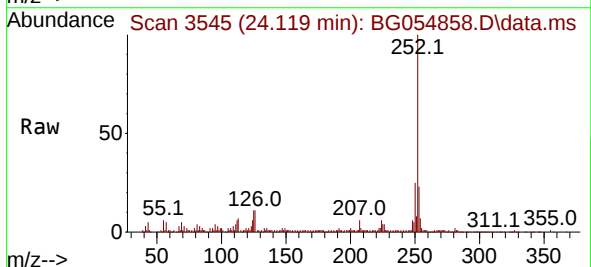
Instrument :
 BNA_G
 ClientSampleId :
 SB-25-COMP

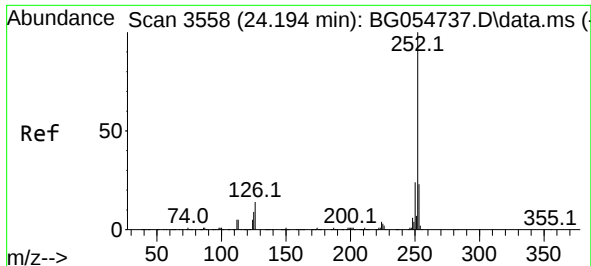
Tgt Ion:276 Resp: 142782
 Ion Ratio Lower Upper
 276 100
 138 17.1 12.0 18.0
 277 23.0 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 15.283 ng
 RT: 24.119 min Scan# 3545
 Delta R.T. 0.001 min
 Lab File: BG054858.D
 Acq: 6 Sep 2022 19:17

Tgt Ion:252 Resp: 271027
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.0 27.0
 125 10.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 15.186 ng

RT: 24.119 min Scan# 3

Delta R.T. -0.075 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP

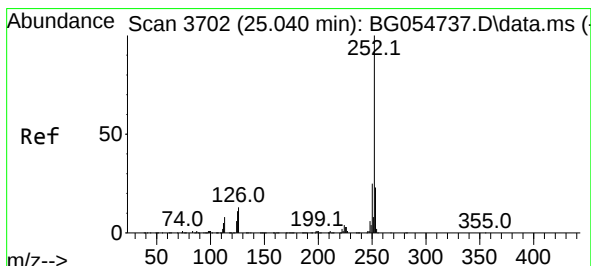
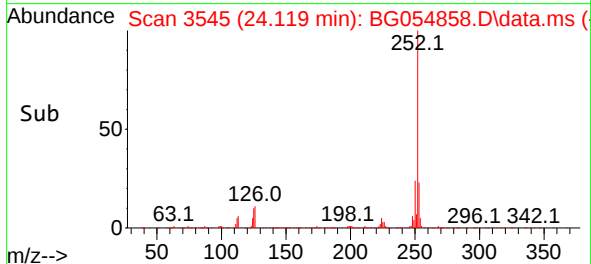
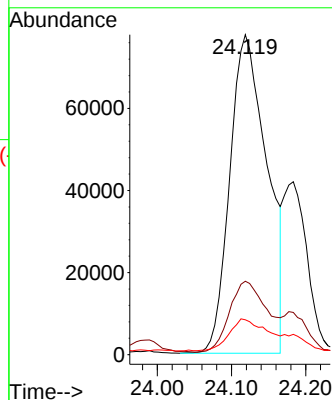
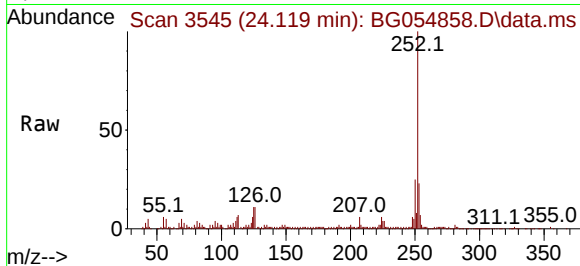
Tgt Ion:252 Resp: 271027

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 10.9 8.2 12.4



#90

Benzo(a)pyrene

Concen: 12.141 ng

RT: 25.035 min Scan# 3701

Delta R.T. -0.005 min

Lab File: BG054858.D

Acq: 6 Sep 2022 19:17

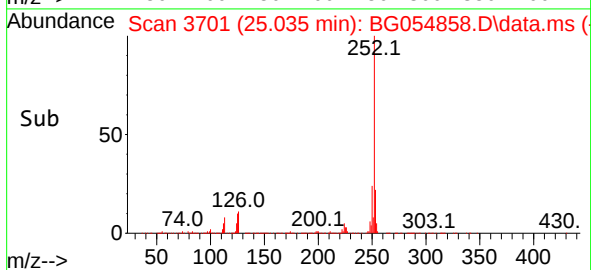
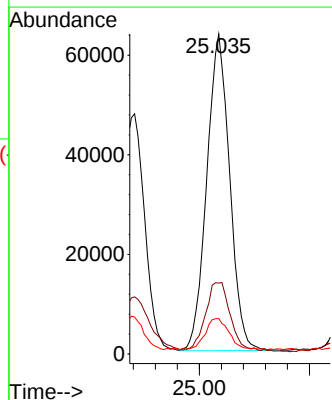
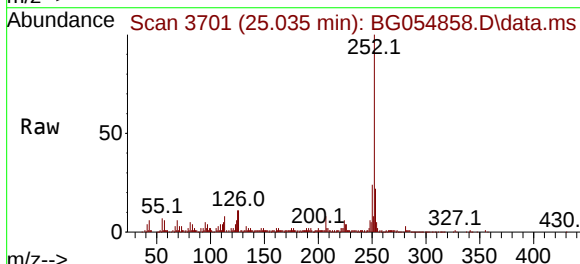
Tgt Ion:252 Resp: 183945

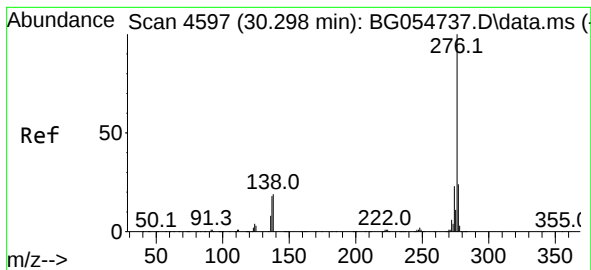
Ion Ratio Lower Upper

252 100

253 22.1 18.3 27.5

125 11.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 8.385 ng

RT: 30.305 min Scan# 4

Delta R.T. 0.007 min

Lab File: BG054858.D

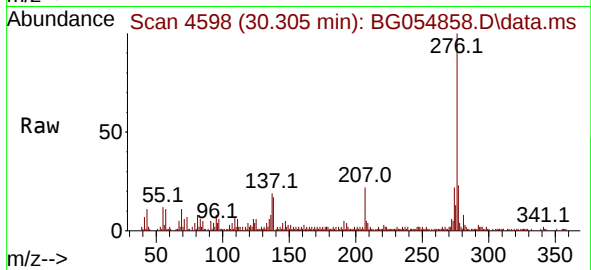
Acq: 6 Sep 2022 19:17

Instrument :

BNA_G

ClientSampleId :

SB-25-COMP



Tgt Ion:276 Resp: 148110

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 17.1 16.6 25.0

