

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081523\
 Data File : BG058729.D
 Acq On : 15 Aug 2023 12:56
 Operator : MA/JU
 Sample : 03973-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-COMP

Quant Time: Aug 15 13:33:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

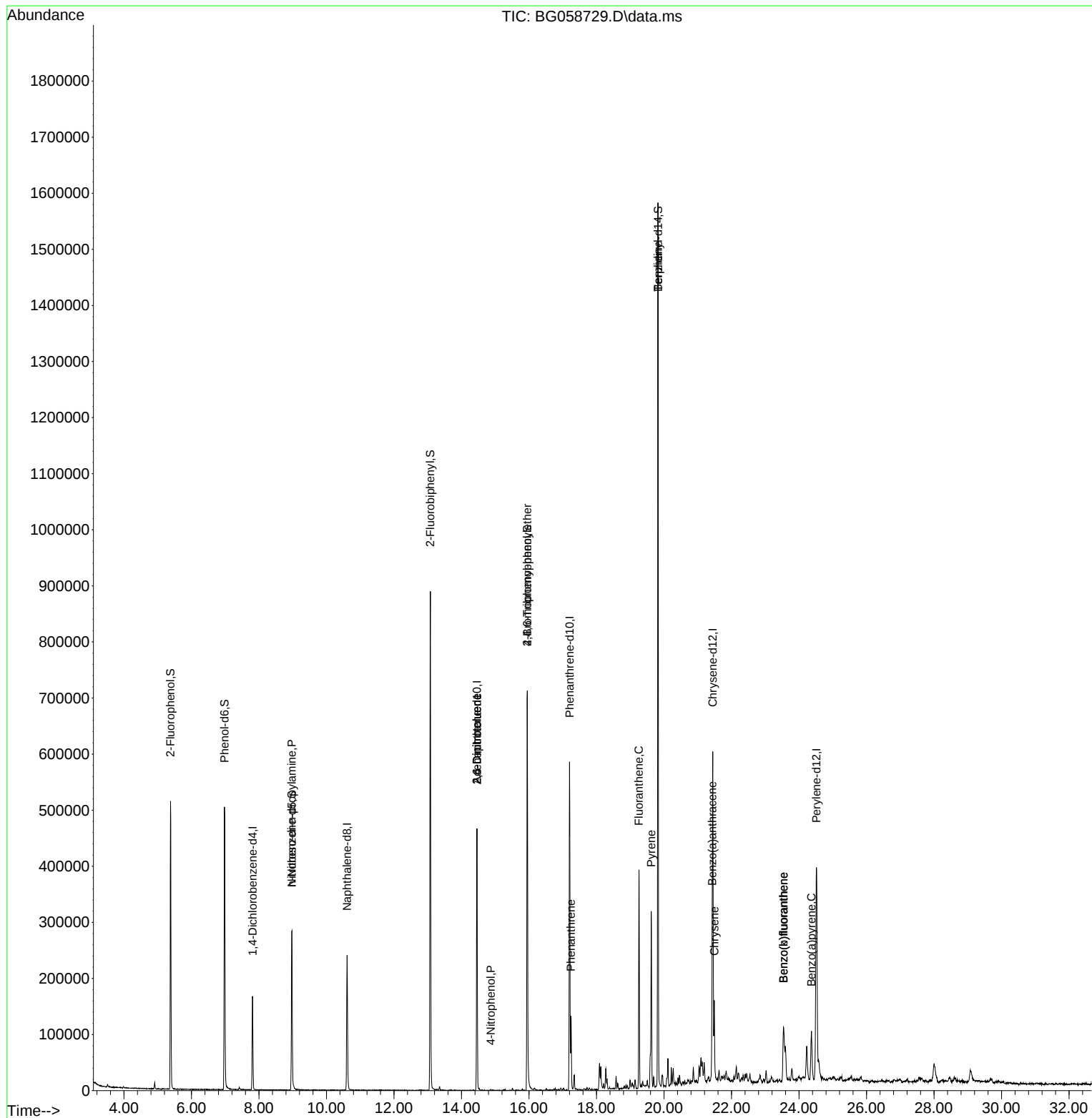
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	46489	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	216732	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	172227	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	384375	20.000	ng	0.00
76) Chrysene-d12	21.443	240	303166	20.000	ng	0.00
86) Perylene-d12	24.516	264	429260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	207290	68.152	ng	0.00
7) Phenol-d6	6.978	99	300120	70.912	ng	0.00
23) Nitrobenzene-d5	8.970	82	185839	42.123	ng	-0.01
42) 2,4,6-Tribromophenol	15.950	330	172035	60.942	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	510770	44.443	ng	0.00
79) Terphenyl-d14	19.822	244	810677	50.286	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.970	70	23227	8.496	ng	# 79
51) 2,6-Dinitrotoluene	14.457	165	21950	7.734	ng	# 24
56) 4-Nitrophenol	14.869	139	256	3.442	ng	# 3
57) 2,4-Dinitrotoluene	14.457	165	21950	5.579	ng	# 24
67) 4-Bromophenyl-phenylether	15.950	248	10612	2.434	ng	# 1
71) Phenanthrene	17.242	178	82206	4.510	ng	99
75) Fluoranthene	19.258	202	243210	11.107	ng	99
77) Benzidine	19.822	184	10027	2.181	ng	# 95
78) Pyrene	19.622	202	202817	9.830	ng	98
81) Benzo(a)anthracene	21.426	228	115661	5.544	ng	96
83) Chrysene	21.490	228	91945	4.596	ng	97
88) Benzo(b)fluoranthene	23.541	252	122726	5.271	ng	97
89) Benzo(k)fluoranthene	23.541	252	122726	5.247	ng	97
90) Benzo(a)pyrene	24.369	252	92131	4.029	ng	98

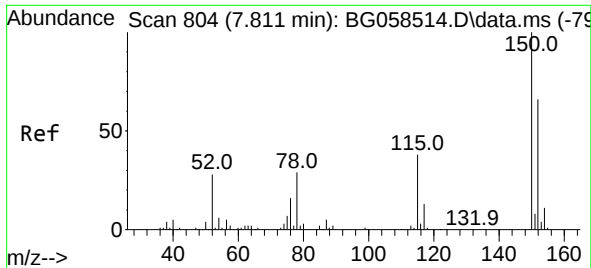
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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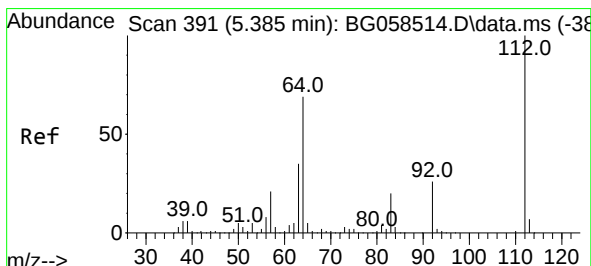
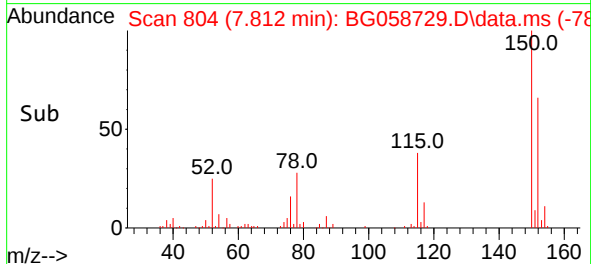
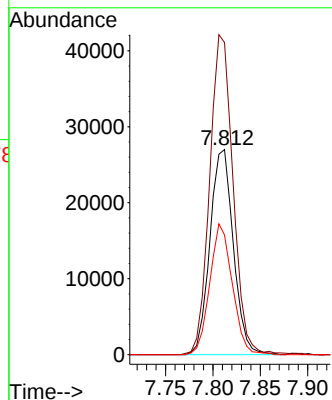
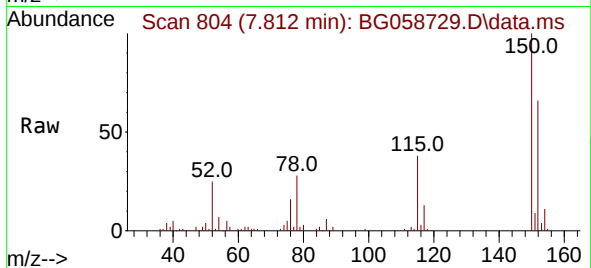




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

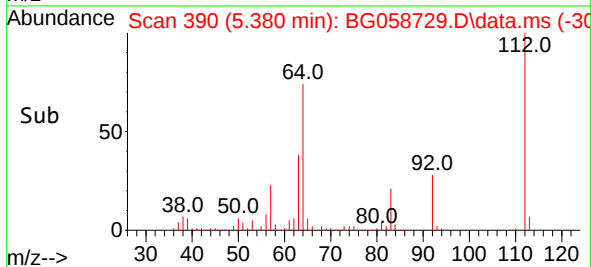
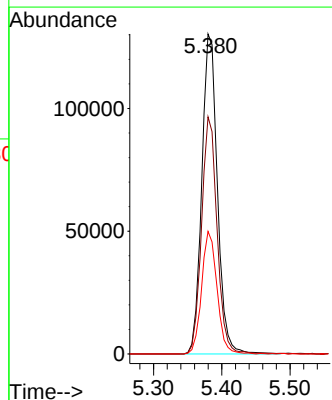
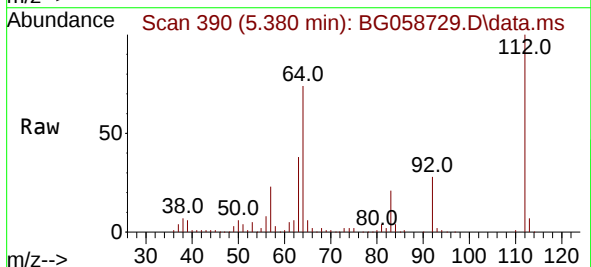
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

Tgt Ion:152 Resp: 46489
Ion Ratio Lower Upper
152 100
150 152.1 120.5 180.7
115 58.4 45.9 68.9



#5
2-Fluorophenol
Concen: 68.152 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:112 Resp: 207290
Ion Ratio Lower Upper
112 100
64 74.1 55.3 82.9
63 38.3 28.3 42.5

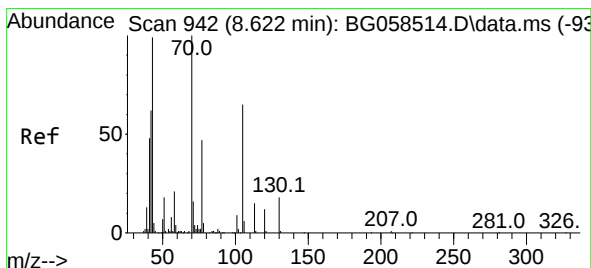
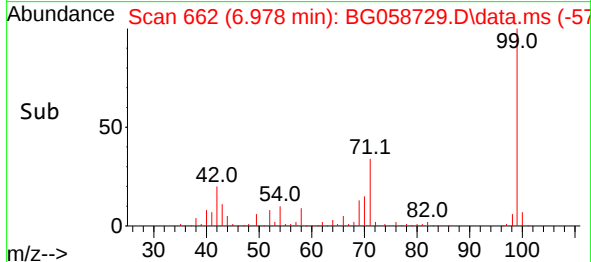
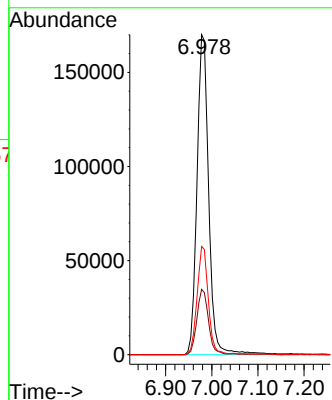
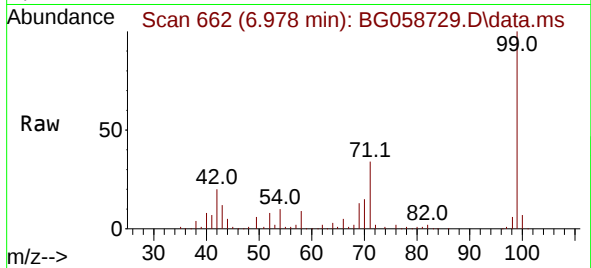




#7
Phenol-d6
Concen: 70.912 ng
RT: 6.978 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

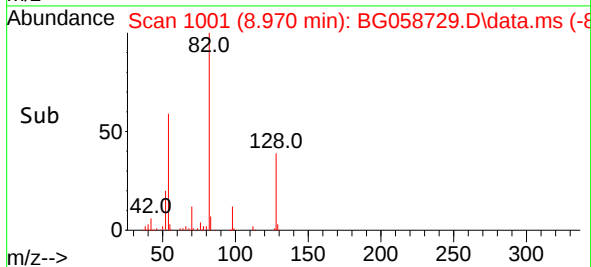
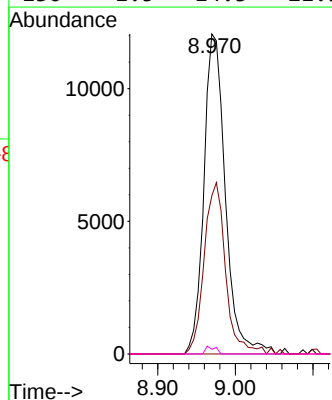
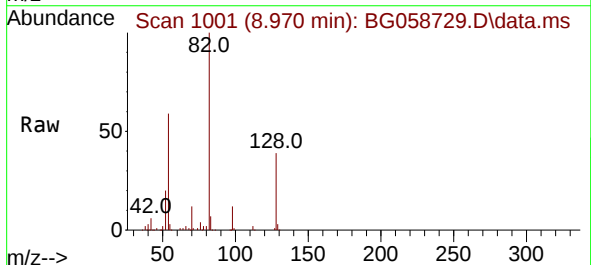
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

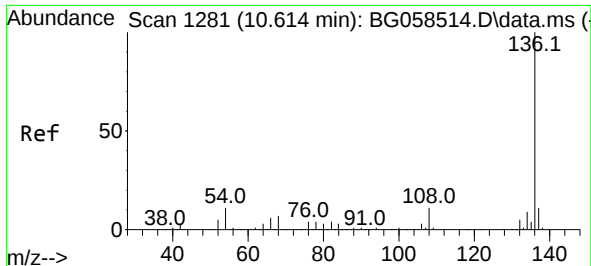
Tgt Ion: 99 Resp: 300120
Ion Ratio Lower Upper
99 100
42 20.4 14.6 21.8
71 33.8 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.496 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.348 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion: 70 Resp: 23227
Ion Ratio Lower Upper
70 100
42 49.4 49.7 74.5#
101 0.0 7.0 10.4#
130 1.5 14.3 21.5#





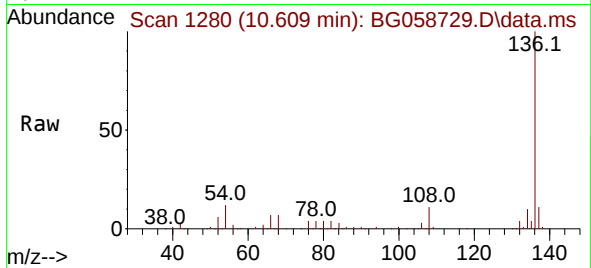
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Instrument :

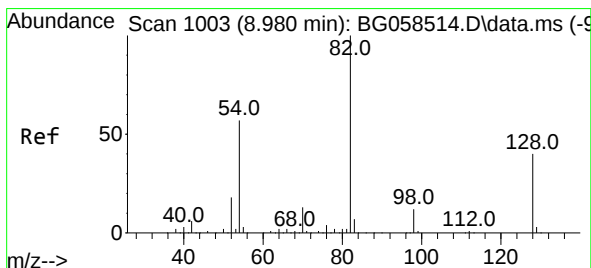
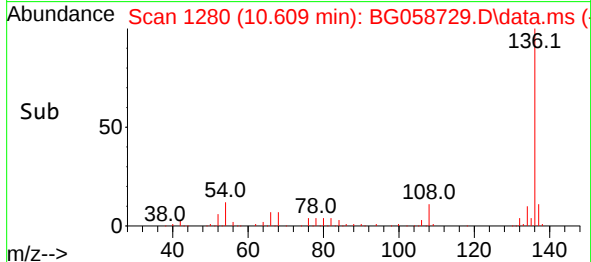
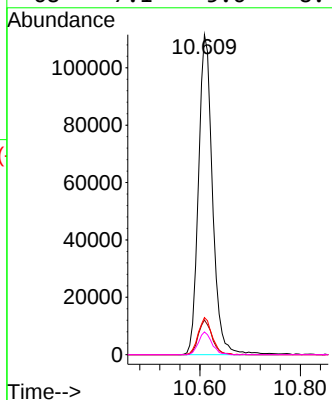
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ClientSampleId :

SB-05-COMP

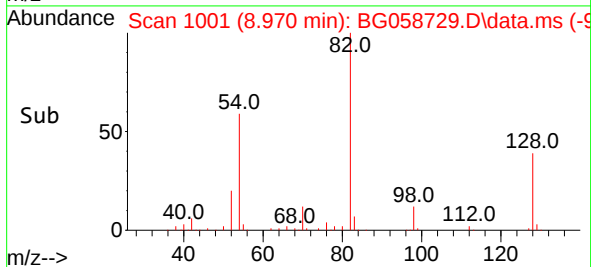
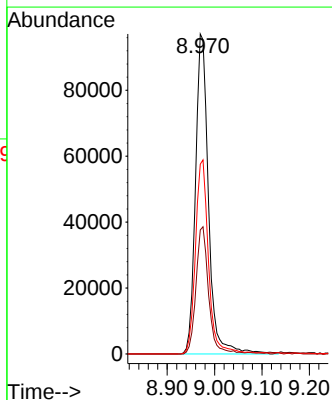
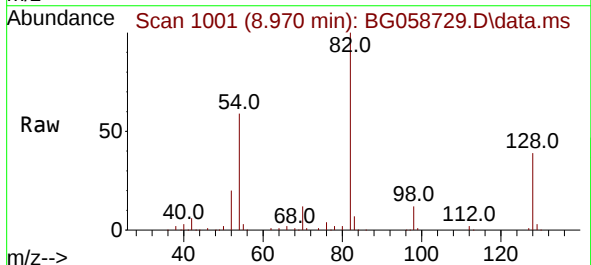


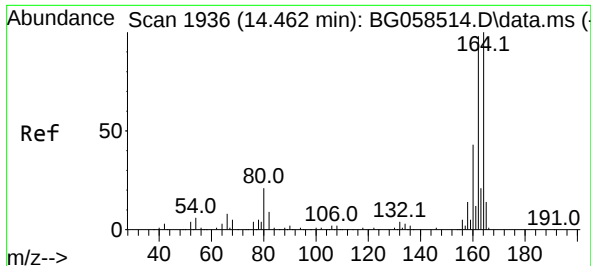
Tgt Ion:136 Resp: 216732
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.6 8.9 13.3
68 7.1 5.6 8.4



#23
Nitrobenzene-d5
Concen: 42.123 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.011 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion: 82 Resp: 185839
Ion Ratio Lower Upper
82 100
128 38.8 32.2 48.2
54 59.3 46.0 69.0

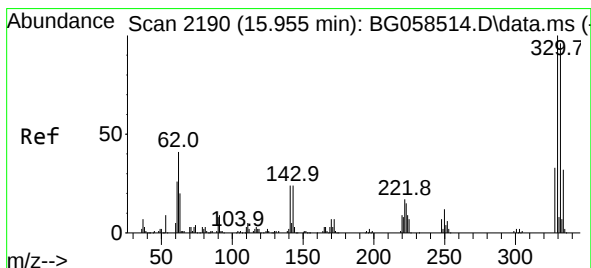
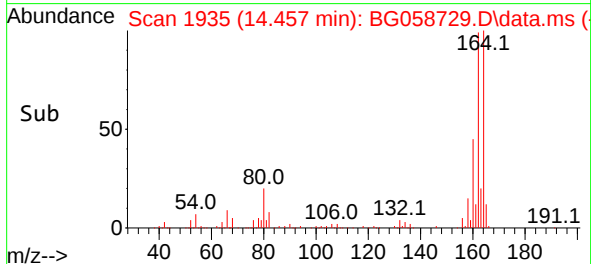
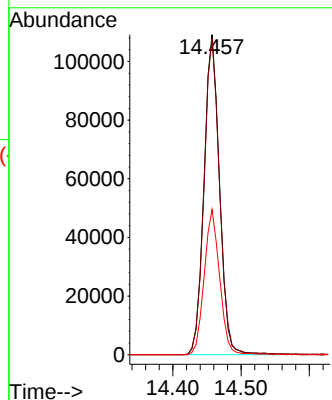
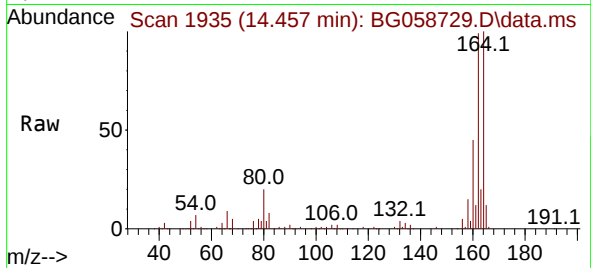




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

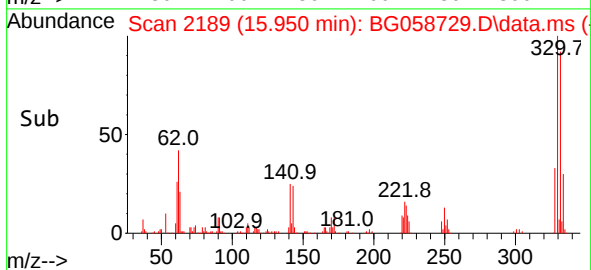
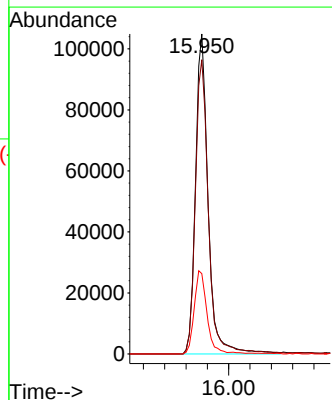
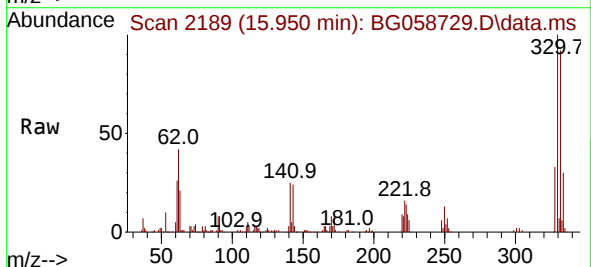
Instrument :
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ClientSampleId :
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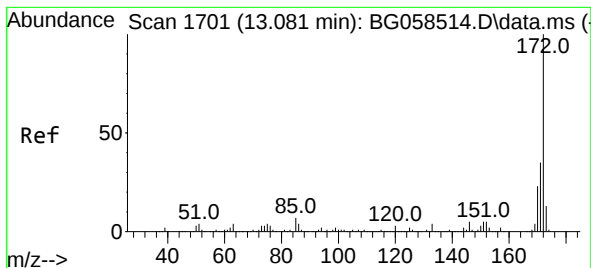
Tgt Ion:164 Resp: 172227
Ion Ratio Lower Upper
164 100
162 98.8 78.3 117.5
160 45.4 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 60.942 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:330 Resp: 172035
Ion Ratio Lower Upper
330 100
332 95.5 77.5 116.3
141 26.6 20.7 31.1

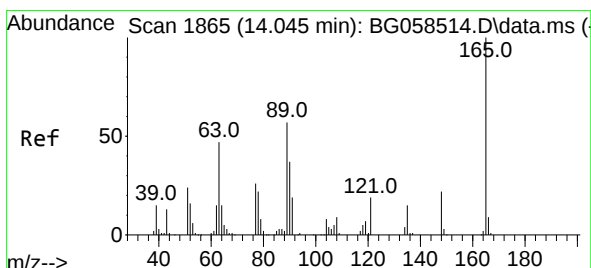
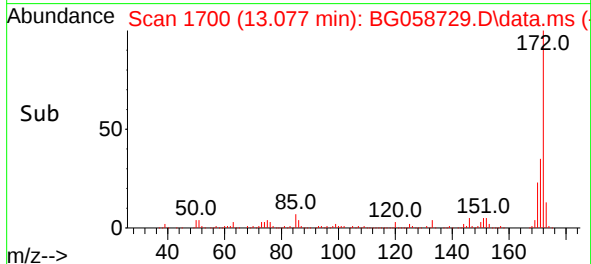
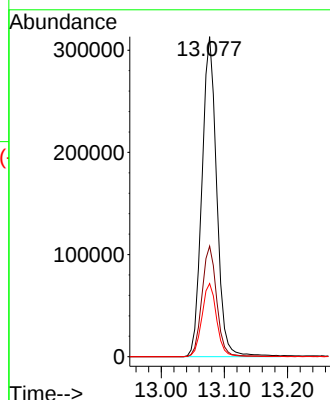
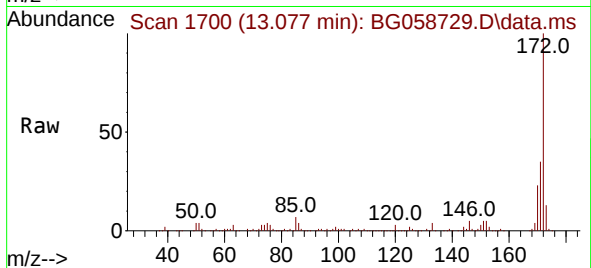




#45
2-Fluorobiphenyl
Concen: 44.443 ng
RT: 13.077 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

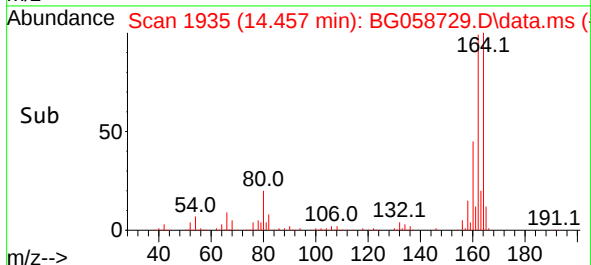
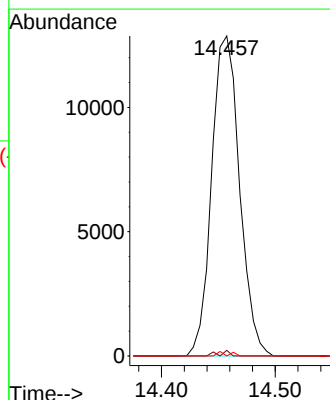
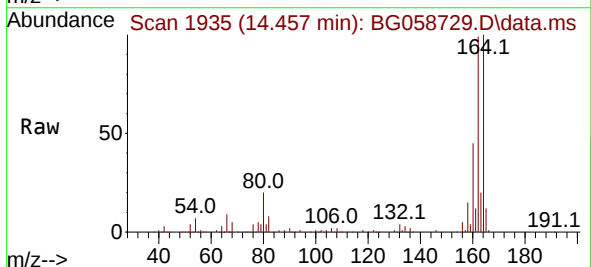
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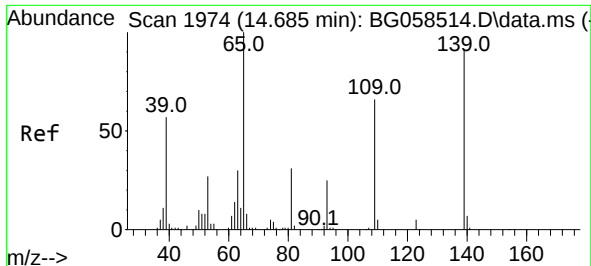
Tgt Ion:172 Resp: 510770
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 22.8 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.734 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:165 Resp: 21950
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 0.0 45.3 67.9#

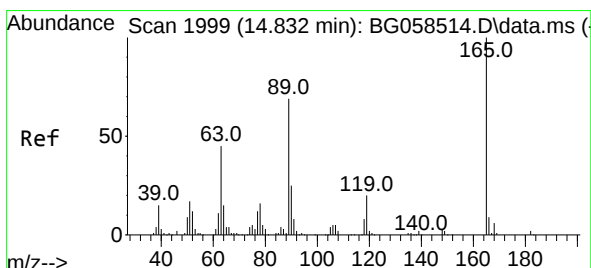
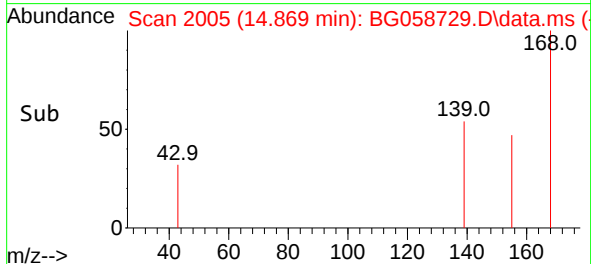
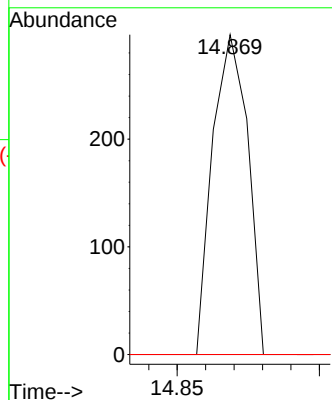
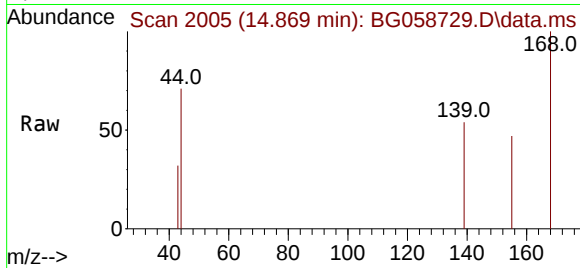




#56
4-Nitrophenol
Concen: 3.442 ng
RT: 14.869 min Scan# 20
Delta R.T. 0.184 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

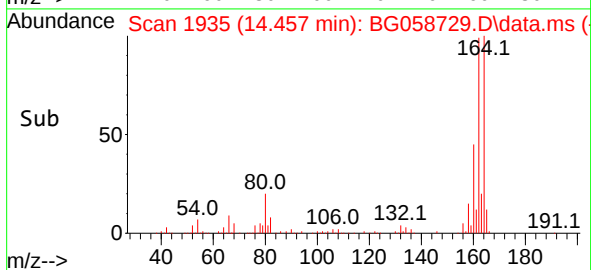
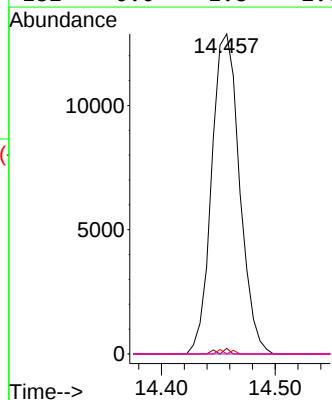
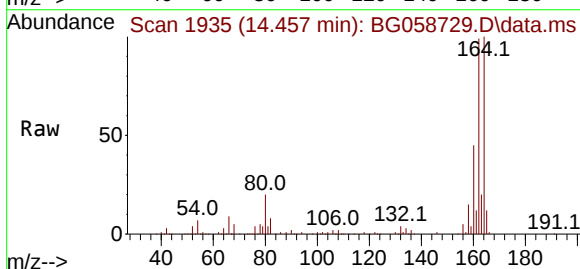
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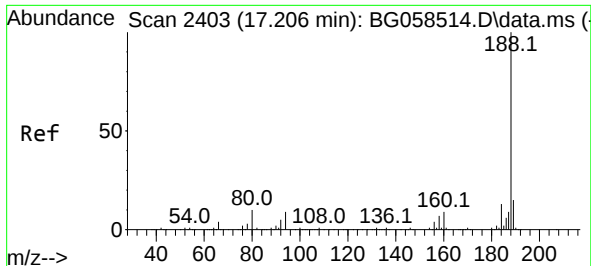
Tgt Ion:139 Resp: 256
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.579 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.375 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:165 Resp: 21950
Ion Ratio Lower Upper
165 100
63 1.7 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2403
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

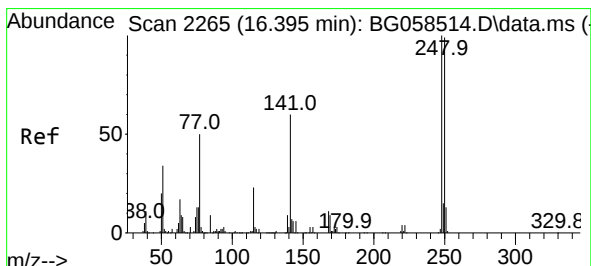
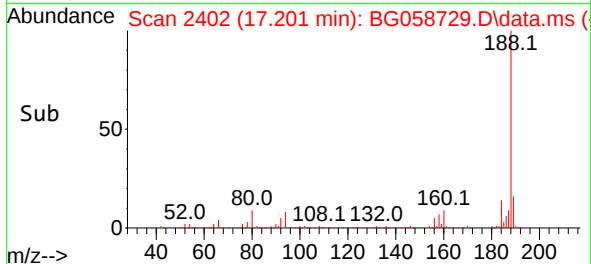
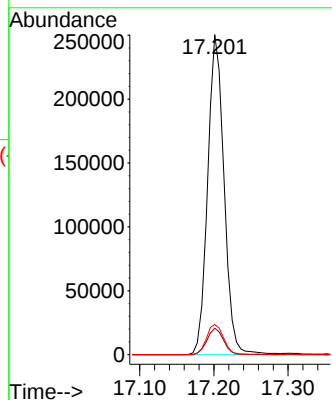
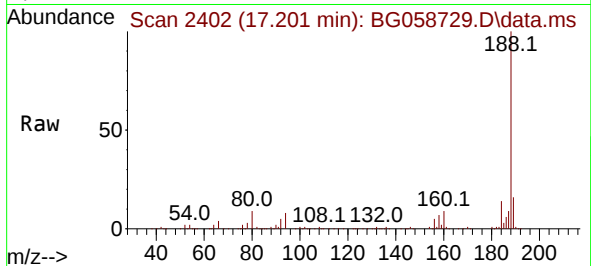
Instrument :

BNA_G

ClientSampleId :

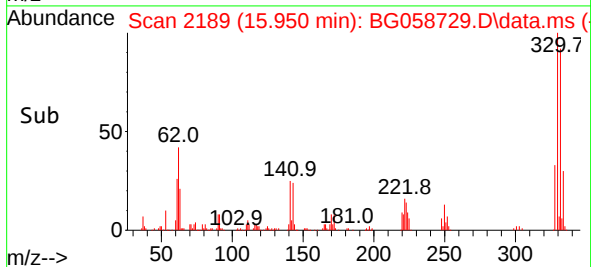
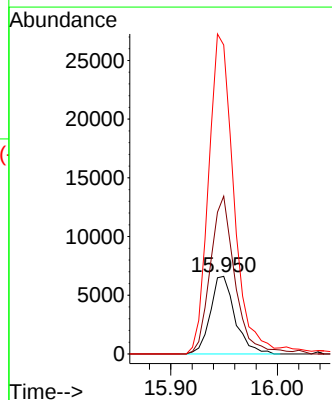
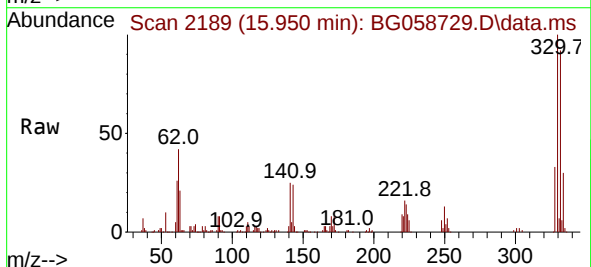
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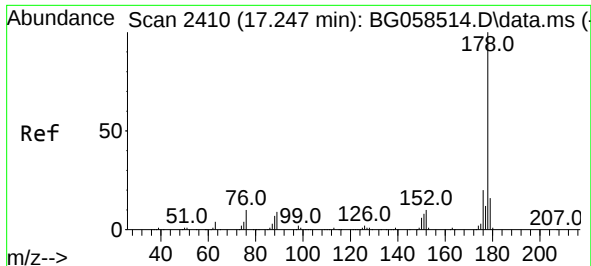
Tgt Ion:188 Resp: 384375
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 9.4 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 2.434 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:248 Resp: 10612
Ion Ratio Lower Upper
248 100
250 203.4 79.5 119.3#
141 398.3 48.2 72.2#

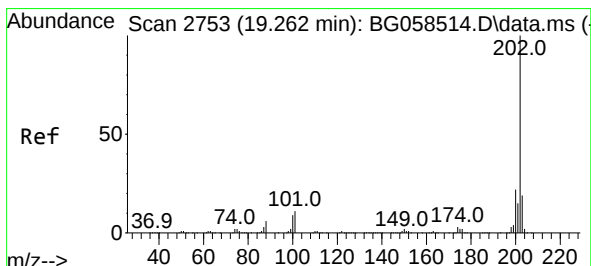
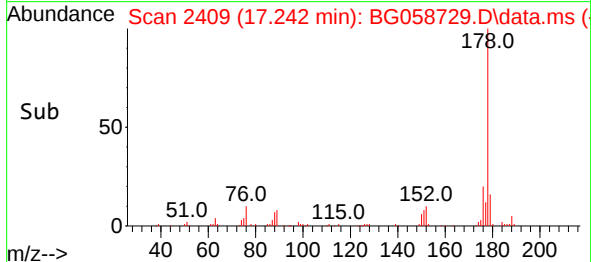
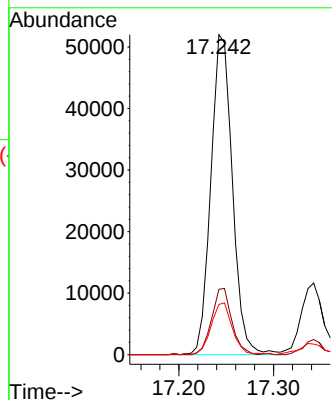
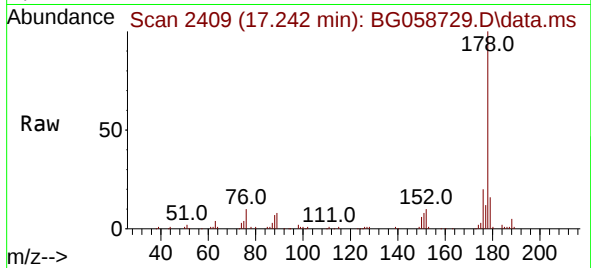




#71
Phenanthrene
Concen: 4.510 ng
RT: 17.242 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

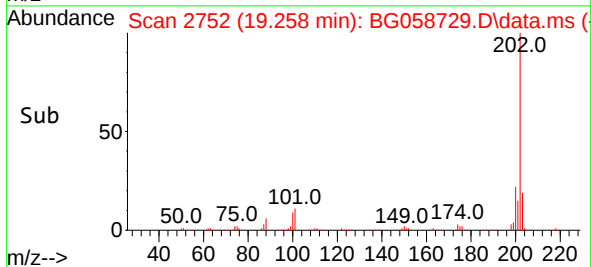
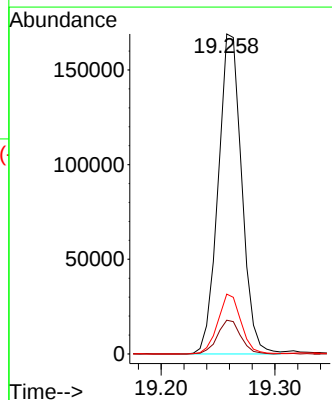
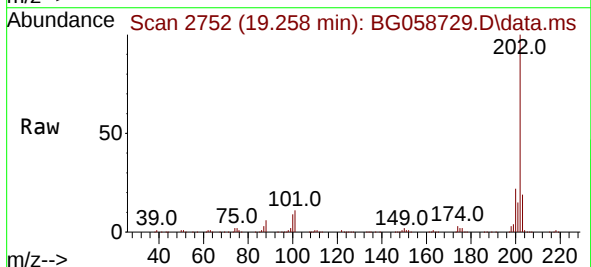
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

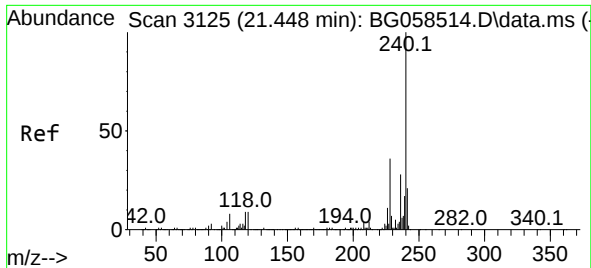
Tgt Ion:178 Resp: 82206
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 15.7 13.1 19.7



#75
Fluoranthene
Concen: 11.107 ng
RT: 19.258 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:202 Resp: 243210
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 18.7 0.0 39.0

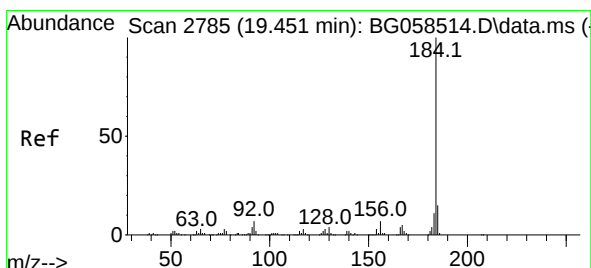
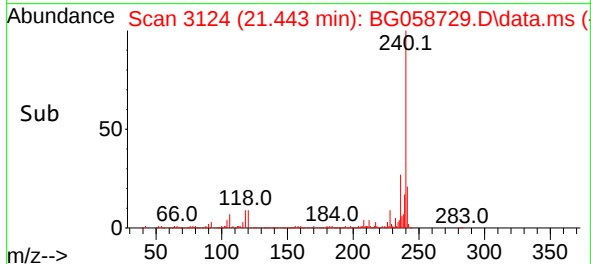
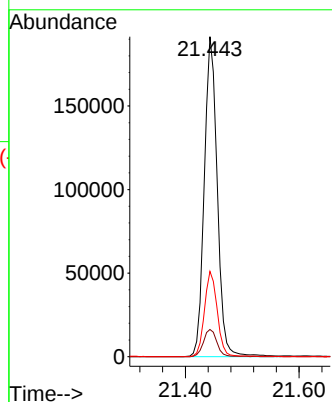
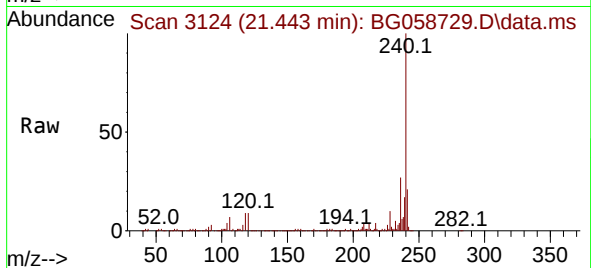




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.443 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

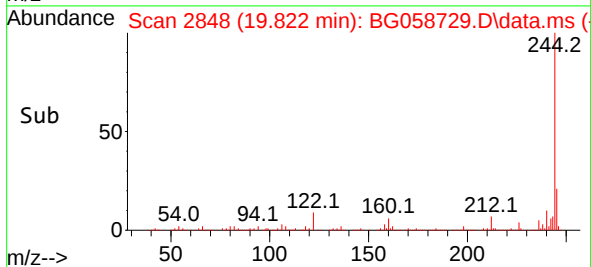
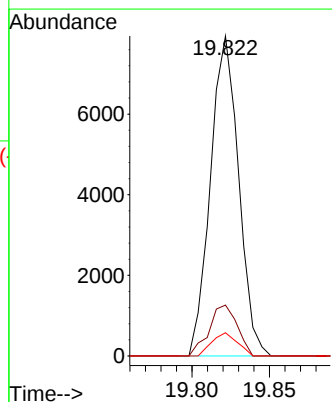
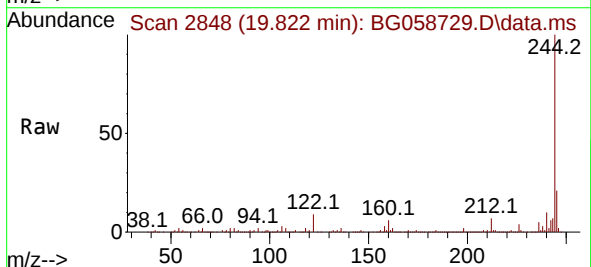
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

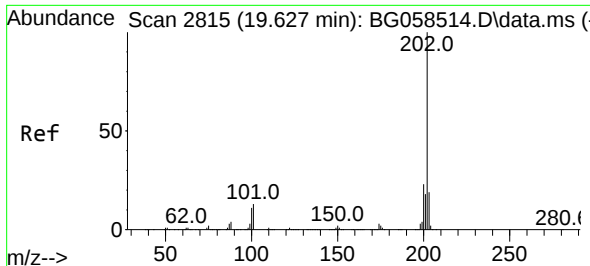
Tgt Ion:240 Resp: 303166
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 26.7 22.2 33.4



#77
Benzidine
Concen: 2.181 ng
RT: 19.822 min Scan# 2848
Delta R.T. 0.371 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:184 Resp: 10027
Ion Ratio Lower Upper
184 100
185 15.9 11.9 17.9
183 7.2 8.7 13.1#

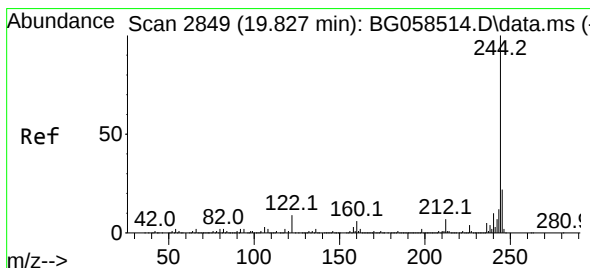
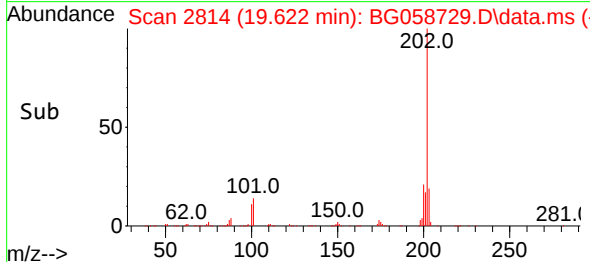
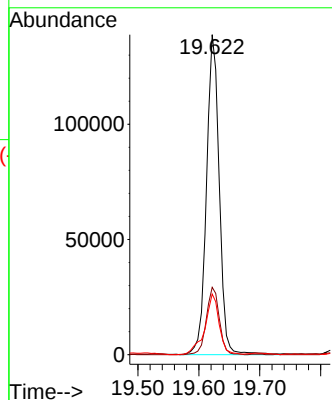
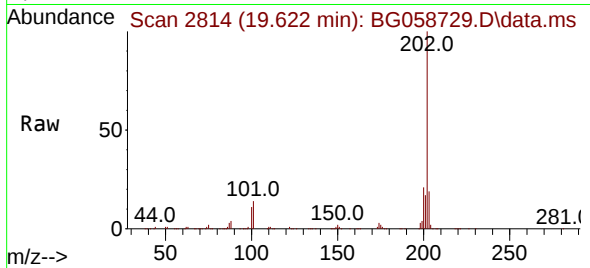




#78
Pyrene
Concen: 9.830 ng
RT: 19.622 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

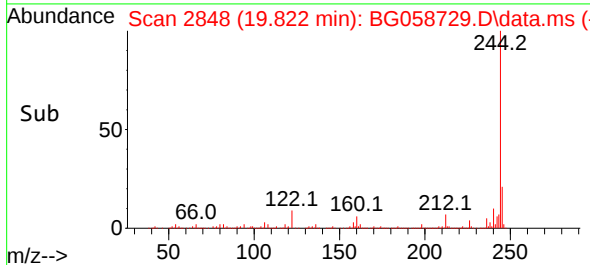
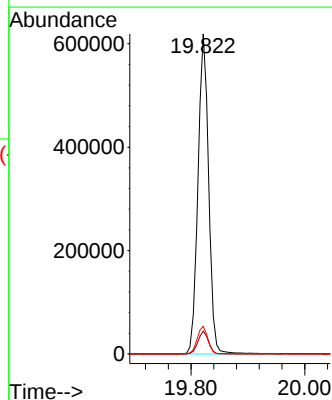
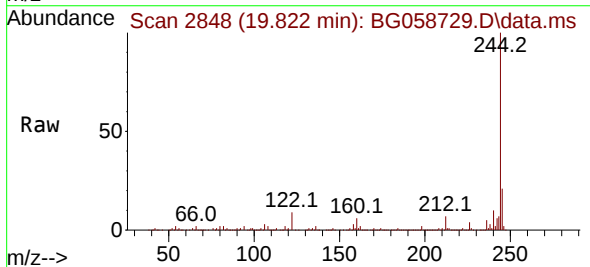
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

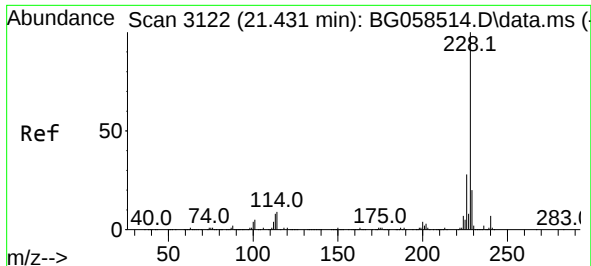
Tgt Ion:202 Resp: 202817
Ion Ratio Lower Upper
202 100
200 21.1 18.2 27.2
203 19.0 15.1 22.7



#79
Terphenyl-d14
Concen: 50.286 ng
RT: 19.822 min Scan# 2848
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:244 Resp: 810677
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 8.6 6.8 10.2

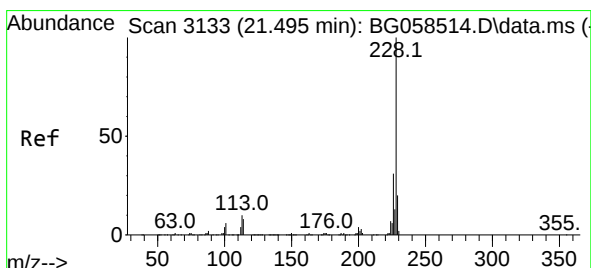
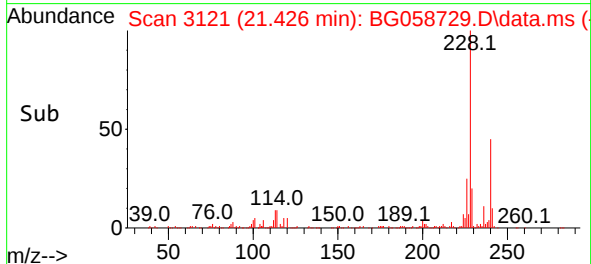
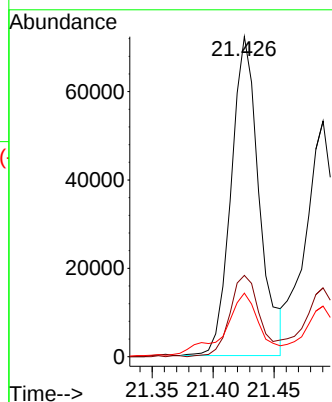
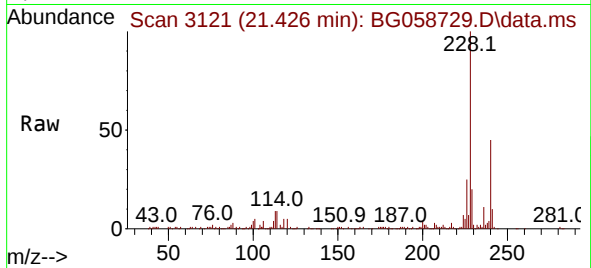




#81
Benzo(a)anthracene
Concen: 5.544 ng
RT: 21.426 min Scan# 3121
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

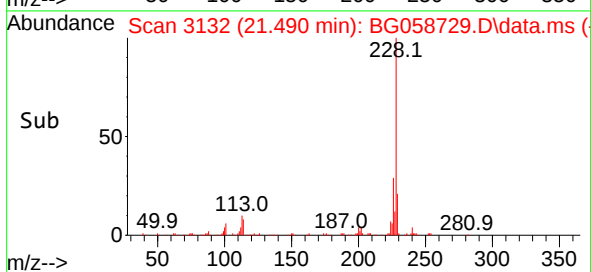
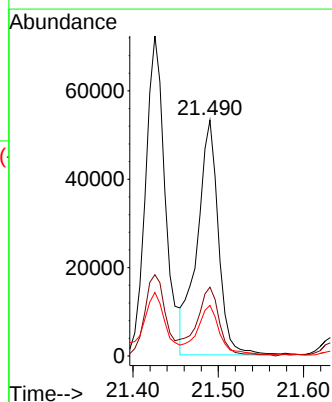
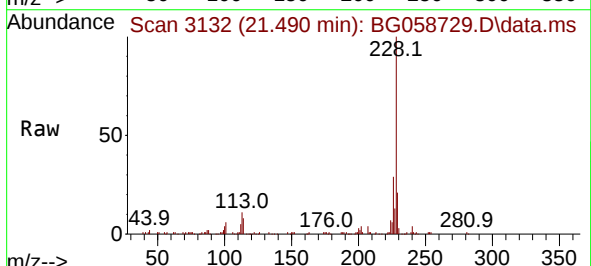
Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

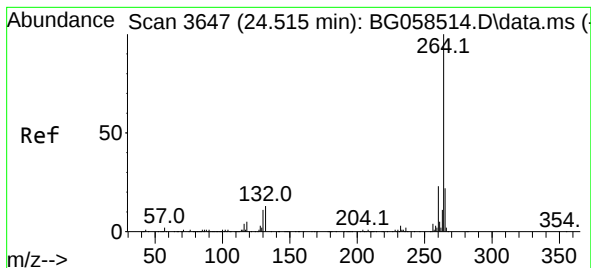
Tgt Ion:228 Resp: 115661
Ion Ratio Lower Upper
228 100
226 25.4 22.6 33.8
229 19.9 16.3 24.5



#83
Chrysene
Concen: 4.596 ng
RT: 21.490 min Scan# 3132
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:228 Resp: 91945
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 21.4 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.516 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG058729.D

Acq: 15 Aug 2023 12:56

Instrument :

BNA_G

ClientSampleId :

SB-05-COMP

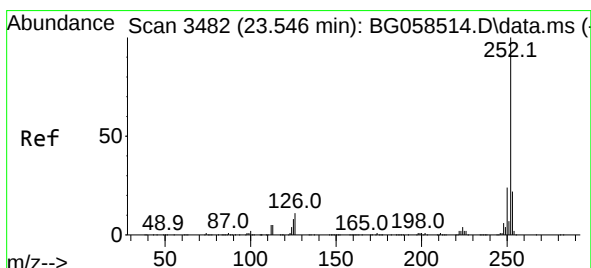
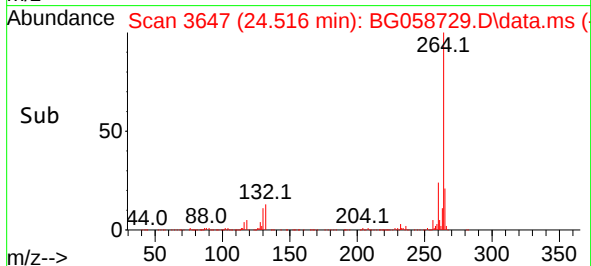
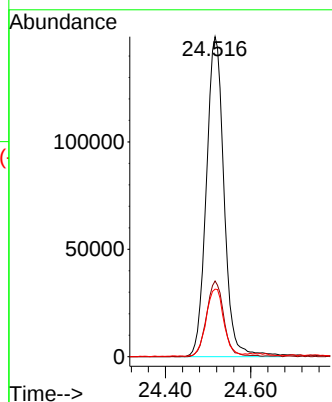
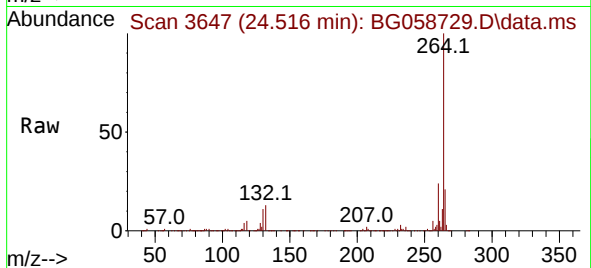
Tgt Ion:264 Resp: 429260

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.1 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 5.271 ng

RT: 23.541 min Scan# 3481

Delta R.T. -0.005 min

Lab File: BG058729.D

Acq: 15 Aug 2023 12:56

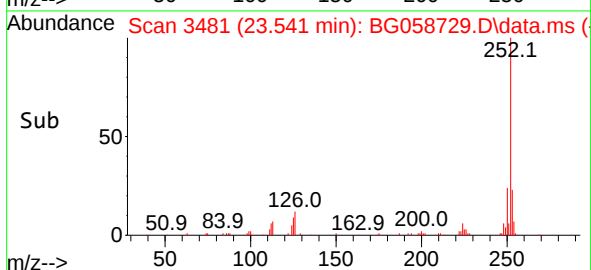
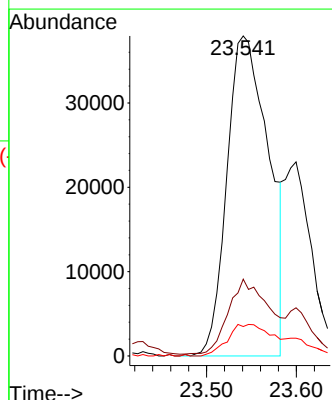
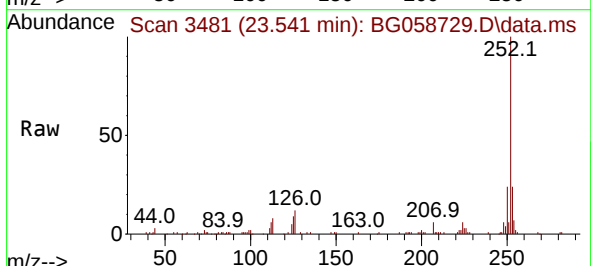
Tgt Ion:252 Resp: 122726

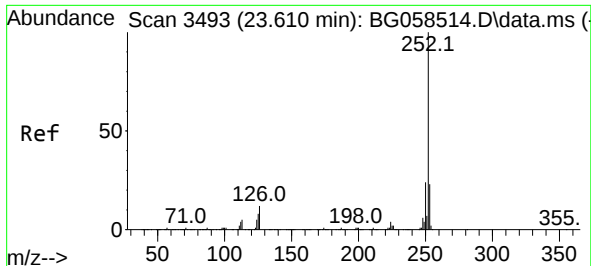
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 9.2 6.6 9.8

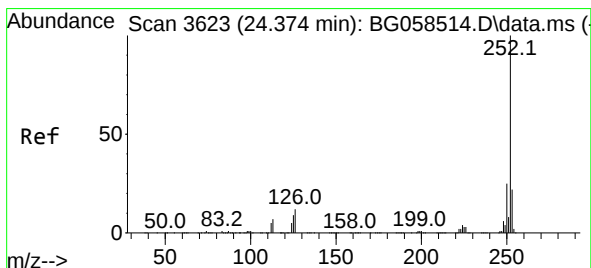
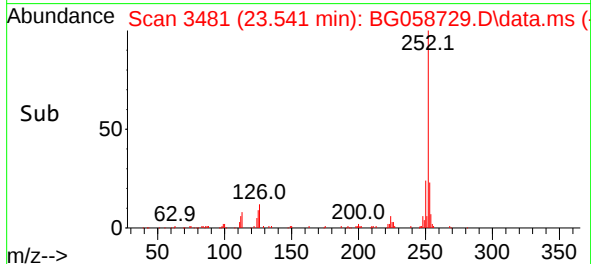
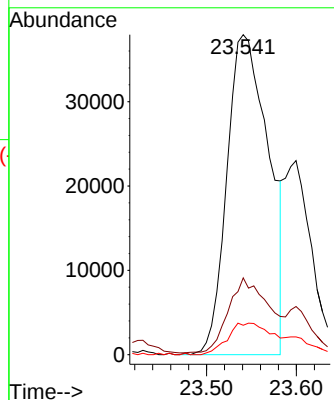
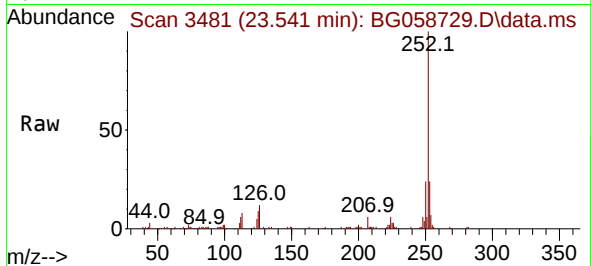




#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 23.541 min Scan# 3493
Delta R.T. -0.070 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Instrument :
BNA_G
ClientSampleId :
SB-05-COMP

Tgt Ion:252 Resp: 122726
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 9.2 6.6 10.0



#90
Benzo(a)pyrene
Concen: 4.029 ng
RT: 24.369 min Scan# 3622
Delta R.T. -0.005 min
Lab File: BG058729.D
Acq: 15 Aug 2023 12:56

Tgt Ion:252 Resp: 92131
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.7 7.4 11.2

