

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054519.D
 Acq On : 4 Aug 2022 14:57
 Operator : CG/JU
 Sample : N4037-04 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 080322-C

Quant Time: Aug 04 15:32:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

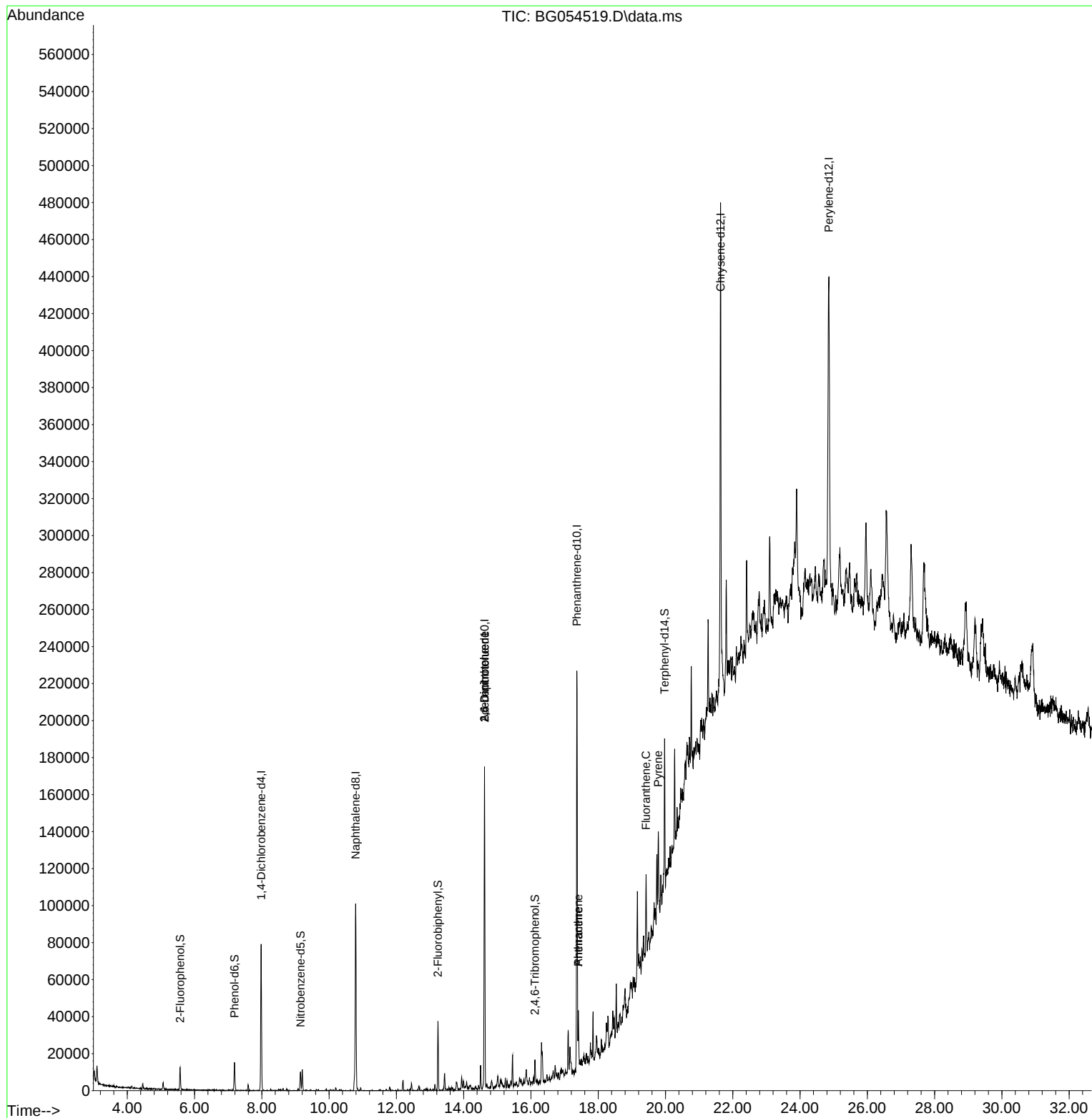
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	24907	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	92751	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	67112	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	155041	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	172510	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	184124	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	6189	5.188	ng	0.01
7) Phenol-d6	7.189	99	9850	6.026	ng	0.02
23) Nitrobenzene-d5	9.151	82	6956	4.084	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	3730	2.647	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	22850	4.803	ng	-0.01
79) Terphenyl-d14	19.974	244	47323	5.442	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.621	165	9616	8.363	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	9616	5.834	ng	# 21
71) Phenanthrene	17.412	178	21496	2.784	ng	98
72) Anthracene	17.412	178	21496	2.837	ng	99
75) Fluoranthene	19.421	202	29431	2.796	ng	91
78) Pyrene	19.786	202	27298	2.758	ng	96

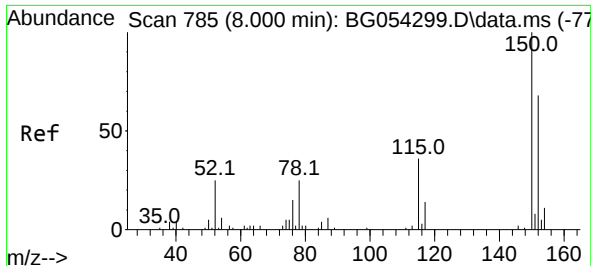
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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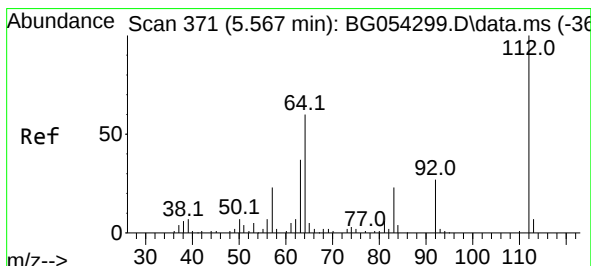
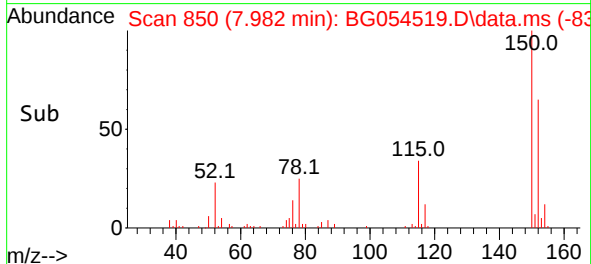
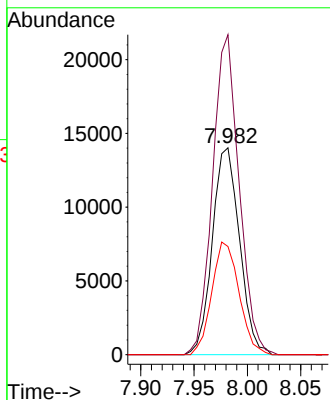
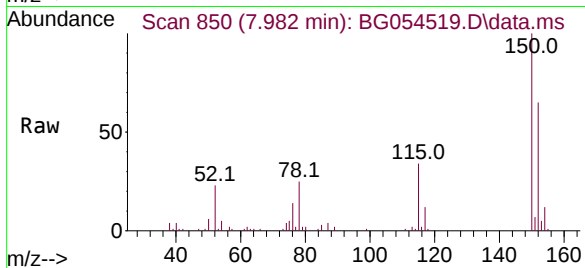




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

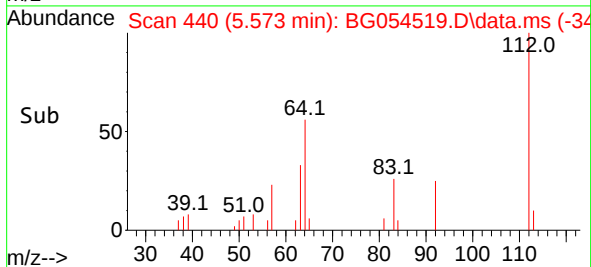
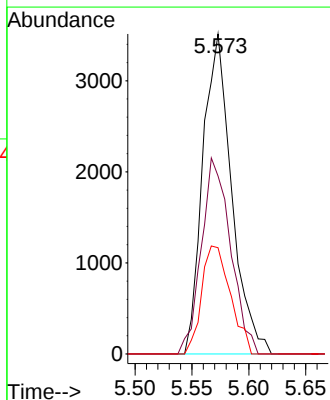
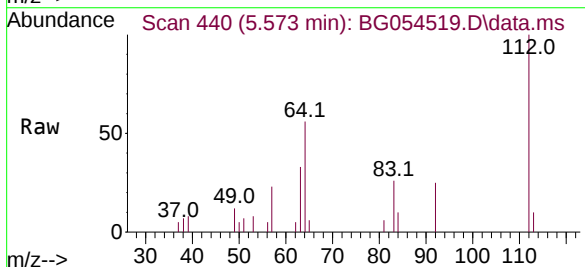
Instrument :
BNA_G
ClientSampleId :
080322-C

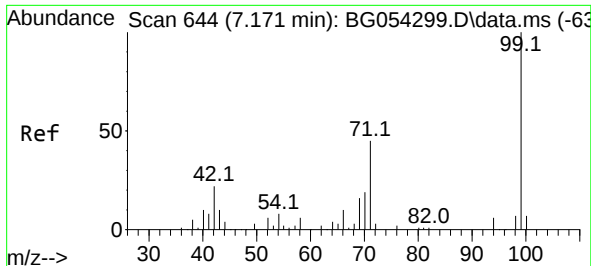
Tgt Ion:152 Resp: 24907
Ion Ratio Lower Upper
152 100
150 154.7 131.6 197.4
115 52.3 50.9 76.3



#5
2-Fluorophenol
Concen: 5.188 ng
RT: 5.573 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

Tgt Ion:112 Resp: 6189
Ion Ratio Lower Upper
112 100
64 55.6 55.1 82.7
63 33.2 30.4 45.6

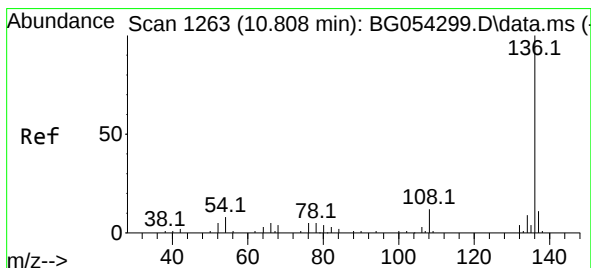
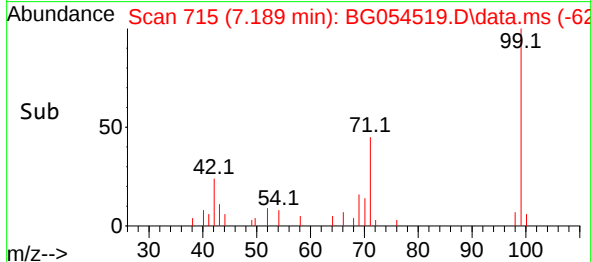
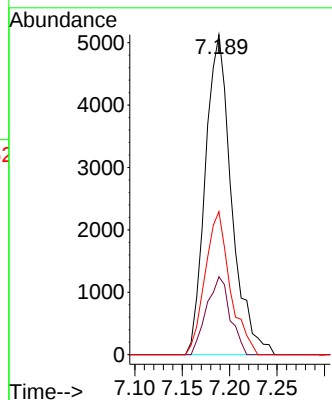
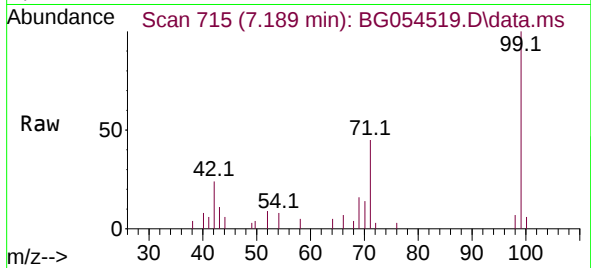




#7
Phenol-d6
Concen: 6.026 ng
RT: 7.189 min Scan# 71
Delta R.T. 0.017 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

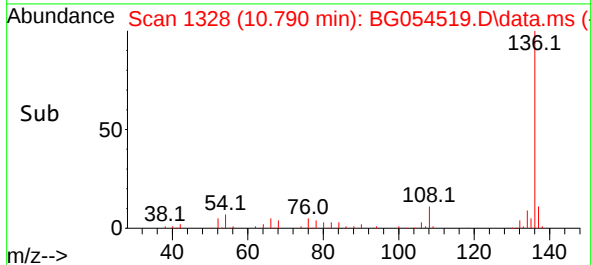
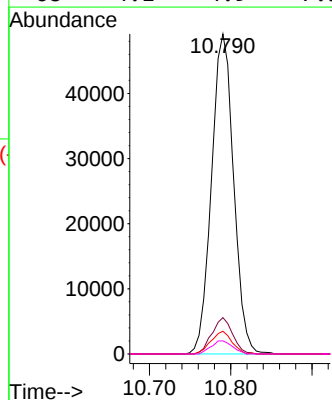
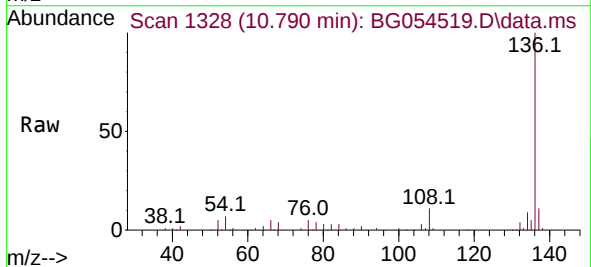
Instrument :
BNA_G
ClientSampleId :
080322-C

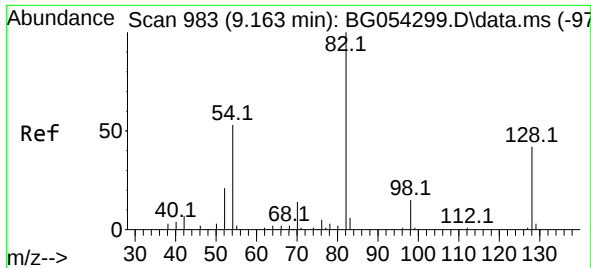
Tgt Ion: 99 Resp: 9850
Ion Ratio Lower Upper
99 100
42 24.4 17.0 25.6
71 44.7 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

Tgt Ion: 136 Resp: 92751
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 7.1 7.4 11.2#
68 4.1 4.9 7.3#

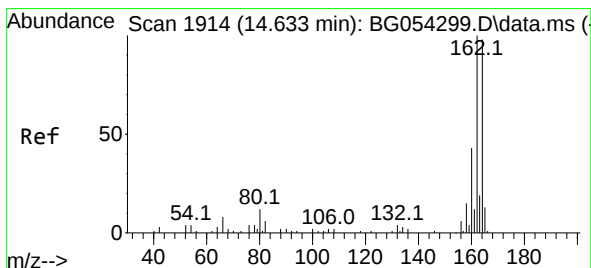
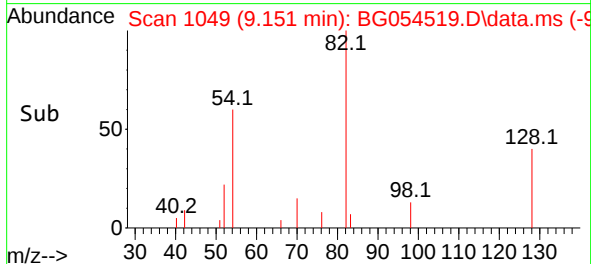
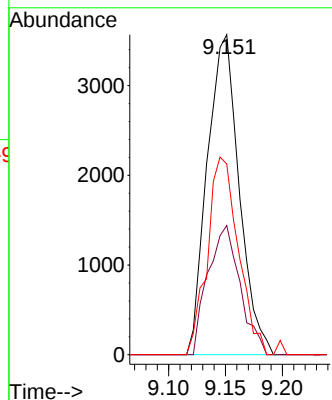
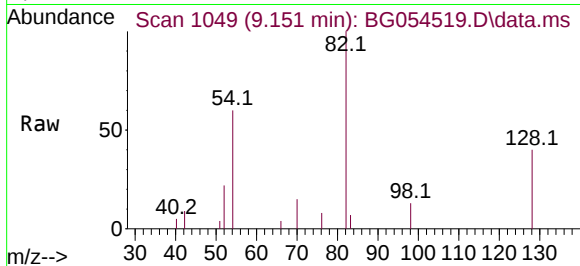




#23
 Nitrobenzene-d5
 Concen: 4.084 ng
 RT: 9.151 min Scan# 1049
 Delta R.T. -0.001 min
 Lab File: BG054519.D
 Acq: 4 Aug 2022 14:57

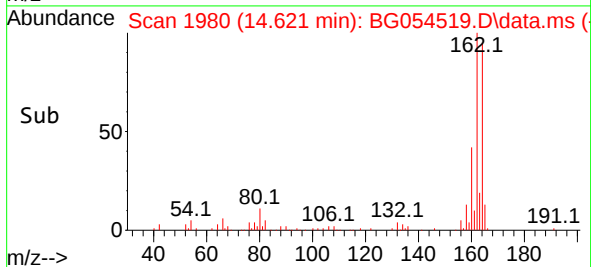
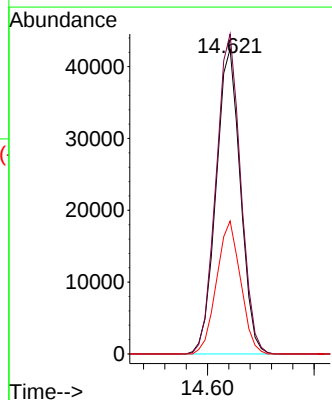
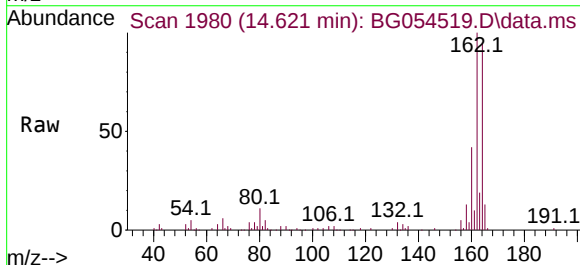
Instrument :
 BNA_G
 ClientSampleId :
 080322-C

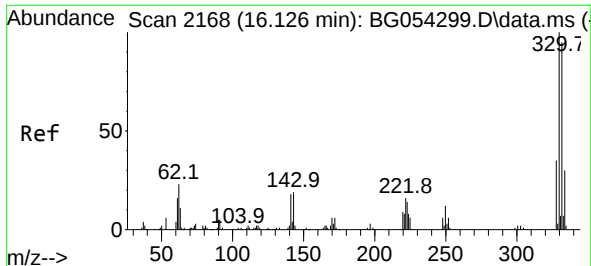
Tgt Ion: 82 Resp: 6956
 Ion Ratio Lower Upper
 82 100
 128 40.3 27.9 41.9
 54 59.6 41.2 61.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.621 min Scan# 1980
 Delta R.T. -0.001 min
 Lab File: BG054519.D
 Acq: 4 Aug 2022 14:57

Tgt Ion:164 Resp: 67112
 Ion Ratio Lower Upper
 164 100
 162 104.9 82.3 123.5
 160 43.6 34.2 51.2

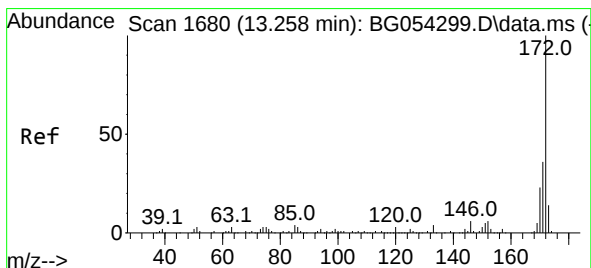
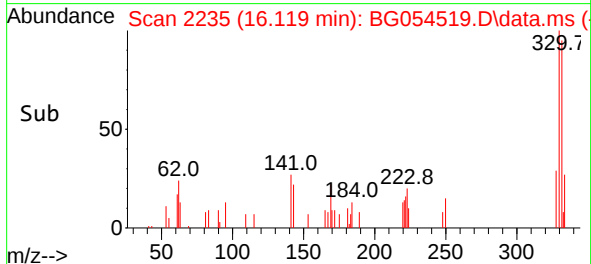
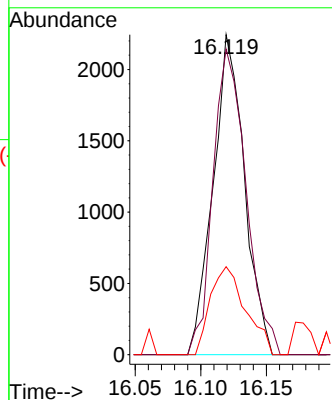
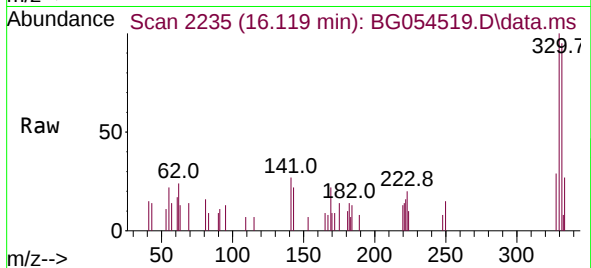




#42
2,4,6-Tribromophenol
Concen: 2.647 ng
RT: 16.119 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

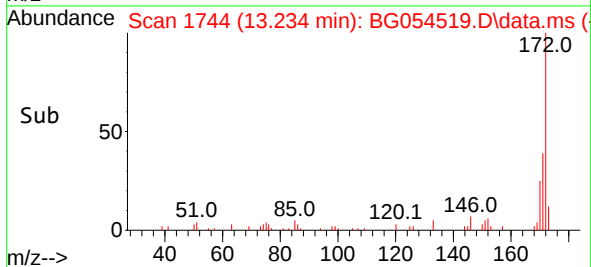
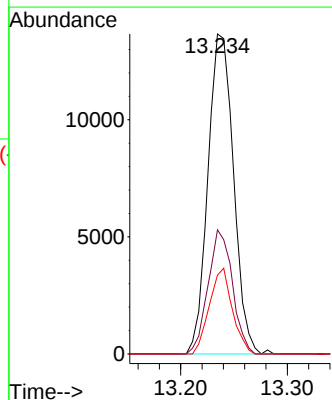
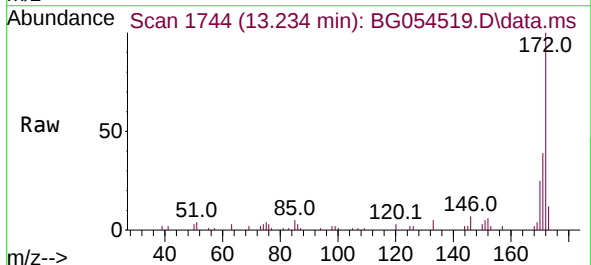
Instrument :
BNA_G
ClientSampleId :
080322-C

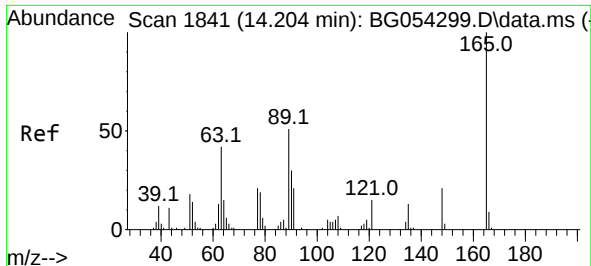
Tgt Ion:330 Resp: 3730
Ion Ratio Lower Upper
330 100
332 100.5 76.0 114.0
141 31.0 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 4.803 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

Tgt Ion:172 Resp: 22850
Ion Ratio Lower Upper
172 100
171 38.8 28.5 42.7
170 24.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.363 ng

RT: 14.621 min Scan# 1980

Delta R.T. 0.422 min

Lab File: BG054519.D

Acq: 4 Aug 2022 14:57

Instrument :

BNA_G

ClientSampleId :

080322-C

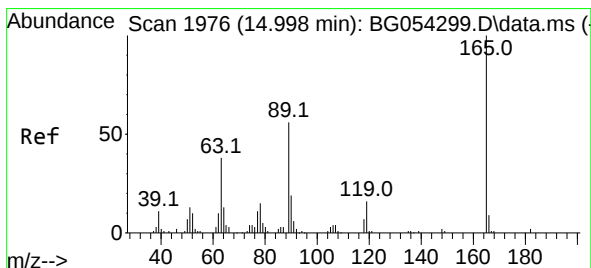
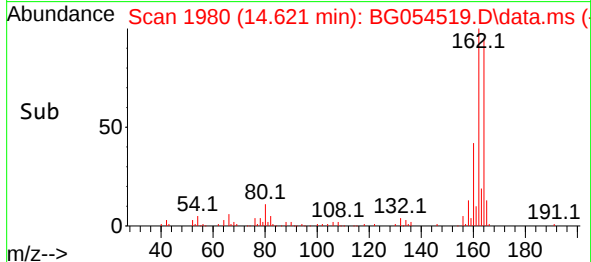
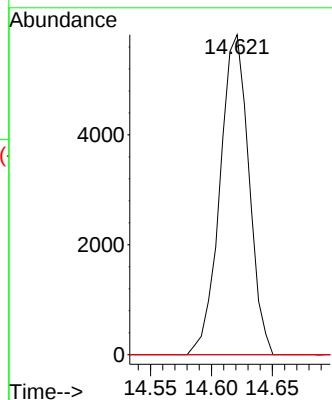
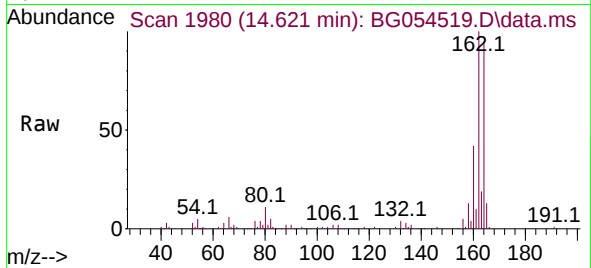
Tgt Ion:165 Resp: 9616

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#57

2,4-Dinitrotoluene

Concen: 5.834 ng

RT: 14.621 min Scan# 1980

Delta R.T. -0.371 min

Lab File: BG054519.D

Acq: 4 Aug 2022 14:57

Tgt Ion:165 Resp: 9616

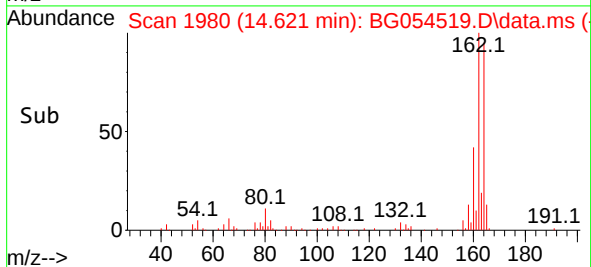
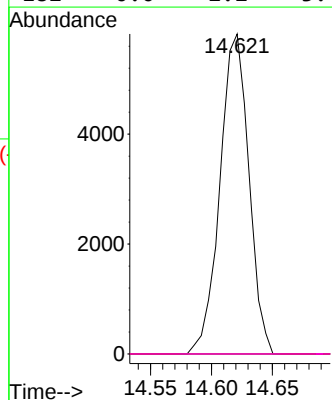
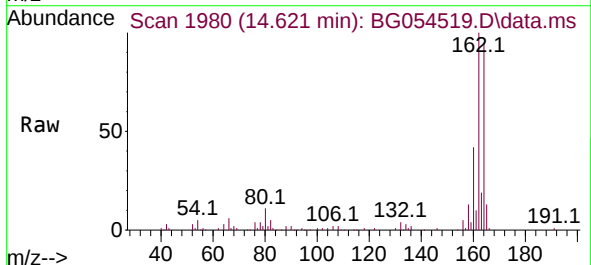
Ion Ratio Lower Upper

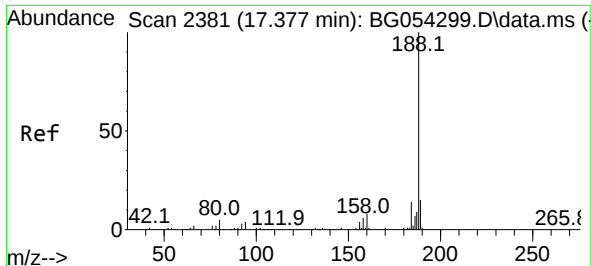
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

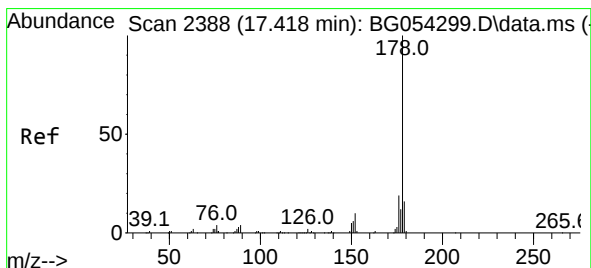
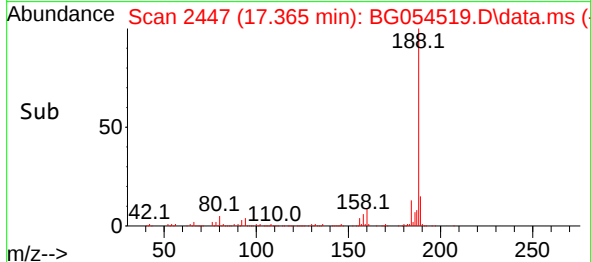
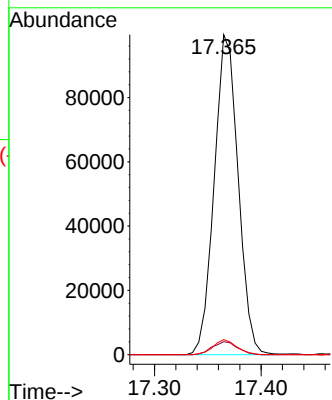
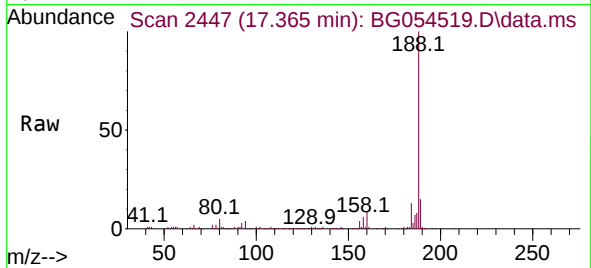




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

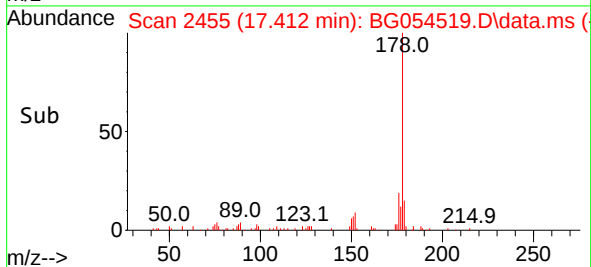
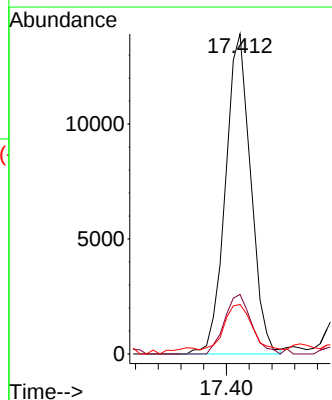
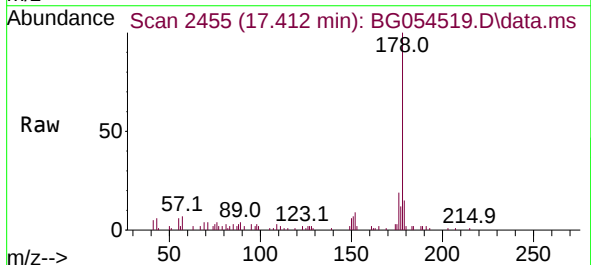
Instrument :
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080322-C

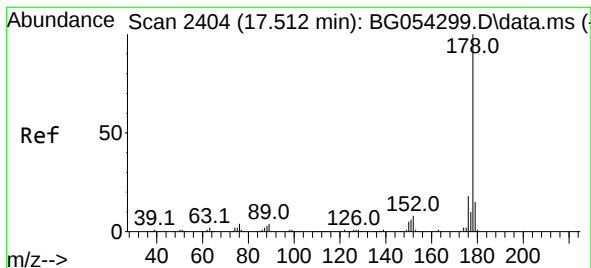
Tgt Ion:188 Resp: 155041
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.7 6.8 10.2#



#71
Phenanthrene
Concen: 2.784 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

Tgt Ion:178 Resp: 21496
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 15.4 12.1 18.1





#72

Anthracene

Concen: 2.837 ng

RT: 17.412 min Scan# 24

Delta R.T. -0.089 min

Lab File: BG054519.D

Acq: 4 Aug 2022 14:57

Instrument :

BNA_G

ClientSampleId :

080322-C

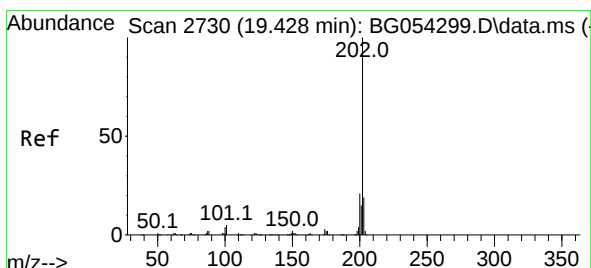
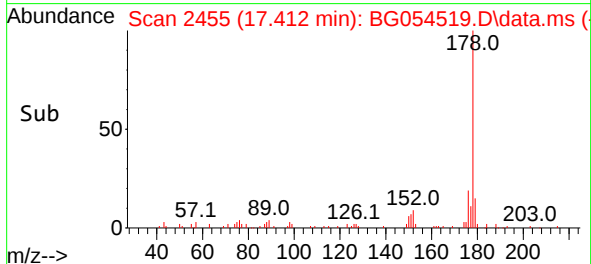
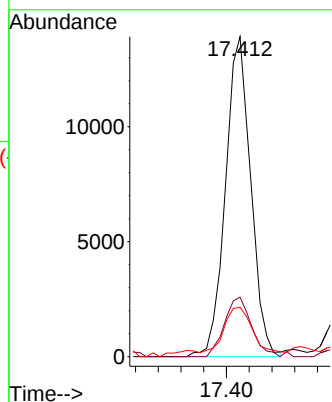
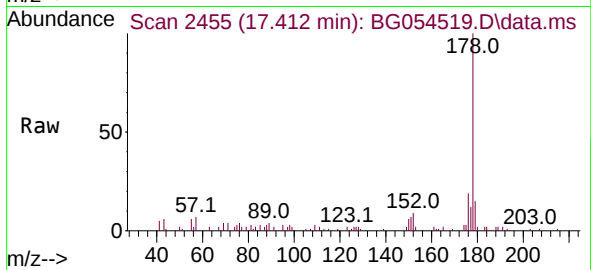
Tgt Ion:178 Resp: 21496

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.4 13.0 19.4



#75

Fluoranthene

Concen: 2.796 ng

RT: 19.421 min Scan# 2797

Delta R.T. -0.001 min

Lab File: BG054519.D

Acq: 4 Aug 2022 14:57

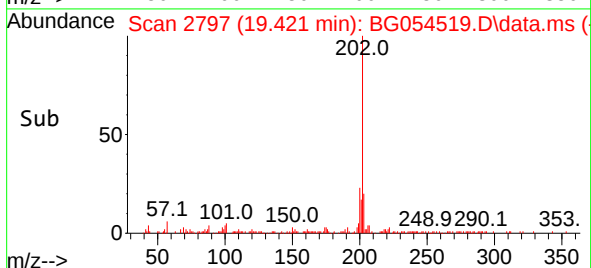
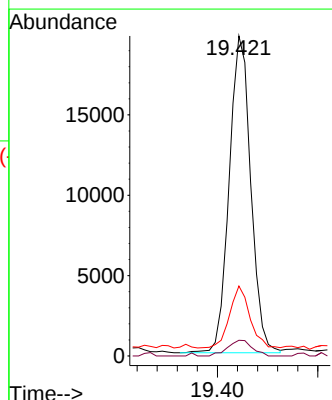
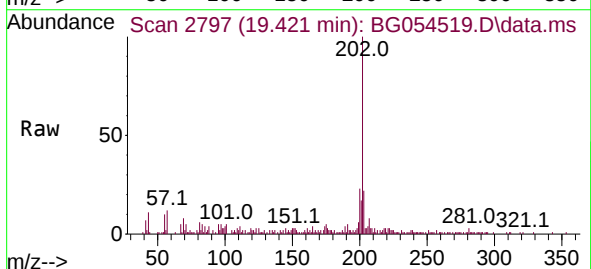
Tgt Ion:202 Resp: 29431

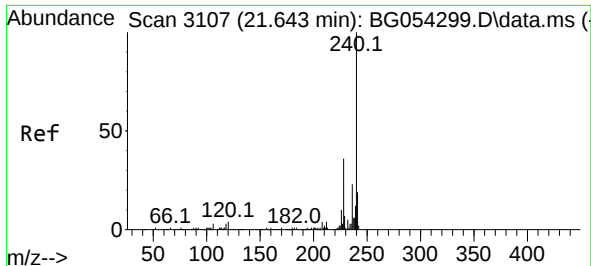
Ion Ratio Lower Upper

202 100

101 4.9 0.0 26.9

203 21.9 0.0 37.2

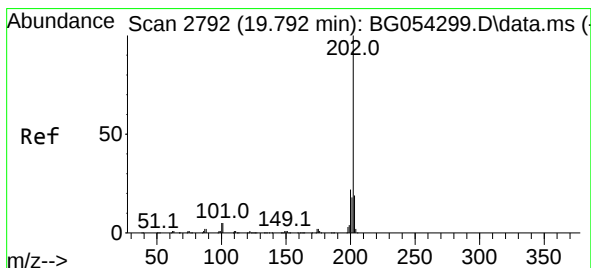
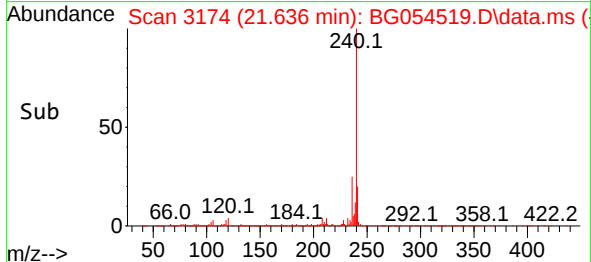
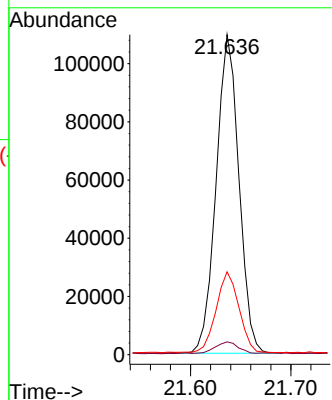
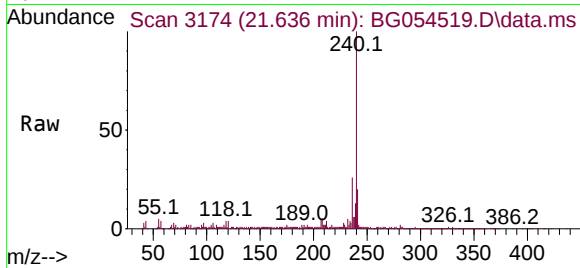




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3107
Delta R.T. -0.001 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

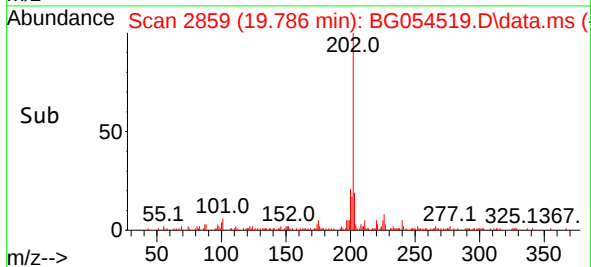
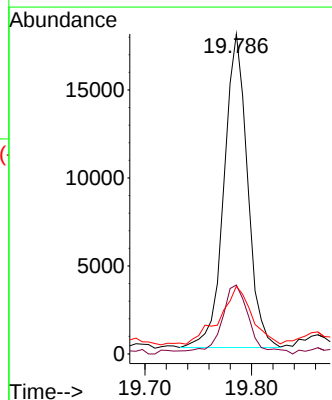
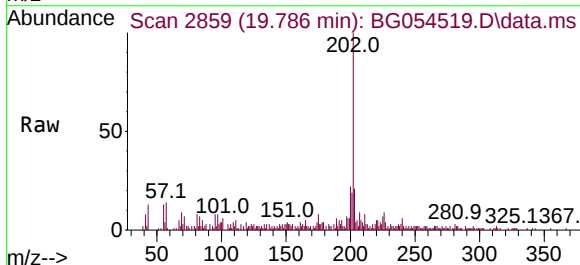
Instrument :
BNA_G
ClientSampleId :
080322-C

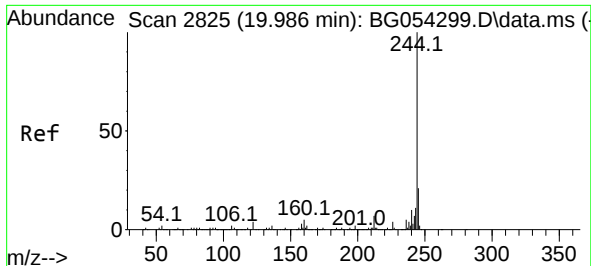
Tgt Ion:240 Resp: 172510
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 25.9 20.2 30.4



#78
Pyrene
Concen: 2.758 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054519.D
Acq: 4 Aug 2022 14:57

Tgt Ion:202 Resp: 27298
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 21.1 14.6 21.8

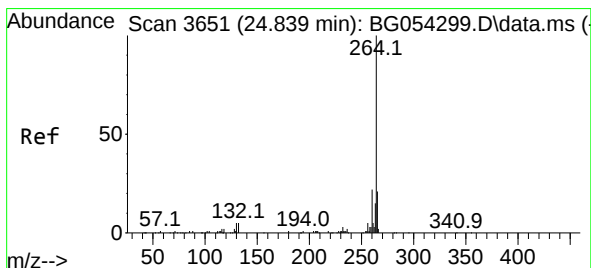
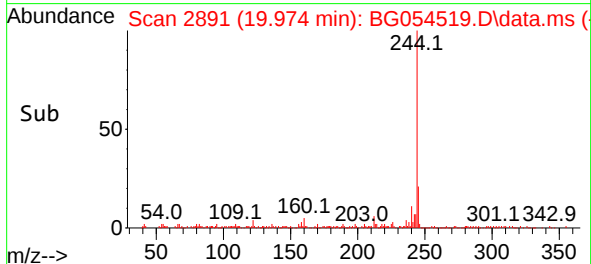
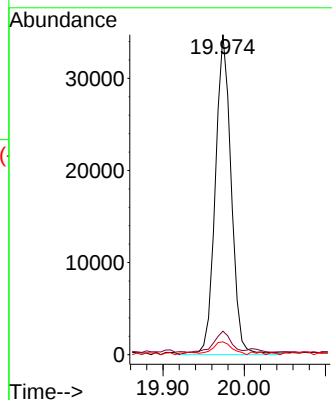
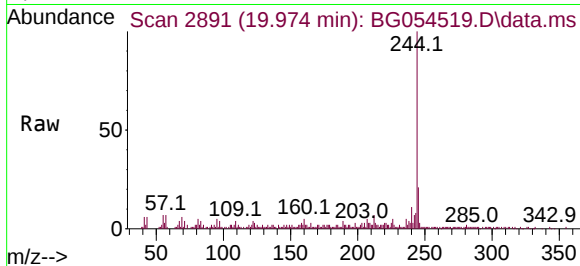




#79
 Terphenyl-d14
 Concen: 5.442 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054519.D
 Acq: 4 Aug 2022 14:57

Instrument :
 BNA_G
 ClientSampleId :
 080322-C

Tgt Ion:244 Resp: 47323
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.0 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.856 min Scan# 3722
 Delta R.T. 0.023 min
 Lab File: BG054519.D
 Acq: 4 Aug 2022 14:57

Tgt Ion:264 Resp: 184124
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.0 28.6
 265 22.3 17.4 26.2

