

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054555.D
 Acq On : 8 Aug 2022 16:07
 Operator : CG/JU
 Sample : N4064-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-16

Quant Time: Aug 09 01:54:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

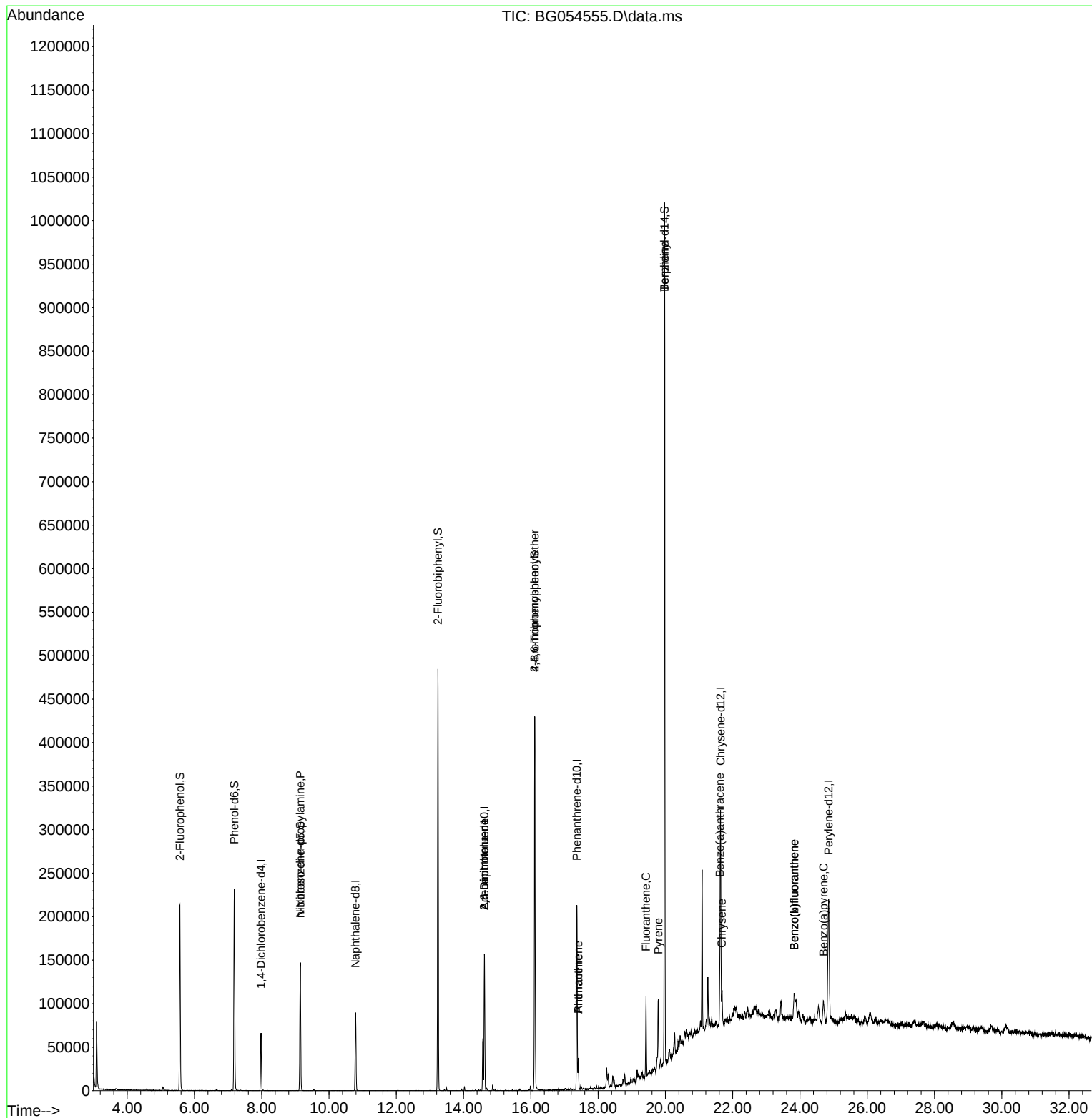
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	21233	20.000	ng	# 0.00
21) Naphthalene-d8	10.786	136	82870	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	63362	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	152340	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	167544	20.000	ng	# 0.00
86) Perylene-d12	24.851	264	177935	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	100044	98.375	ng	0.00
7) Phenol-d6	7.184	99	137091	98.380	ng	0.00
23) Nitrobenzene-d5	9.146	82	93109	61.185	ng	0.00
42) 2,4,6-Tribromophenol	16.115	330	115107	86.523	ng	0.00
45) 2-Fluorobiphenyl	13.236	172	283304	63.075	ng	0.00
79) Terphenyl-d14	19.975	244	550145	65.140	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.178	77	58	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.146	70	13211	14.197	ng	# 83
51) 2,6-Dinitrotoluene	14.616	165	8665	7.982	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	8665	5.568	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	7198	3.364	ng	# 1
71) Phenanthrene	17.407	178	26800	3.533	ng	98
72) Anthracene	17.407	178	26800	3.600	ng	99
75) Fluoranthene	19.423	202	60515	5.852	ng	96
77) Benzidine	19.975	184	6954	2.292	ng	# 93
78) Pyrene	19.787	202	58630	6.099	ng	98
81) Benzo(a)anthracene	21.620	228	27158	2.554	ng	98
83) Chrysene	21.679	228	32479	3.232	ng	96
88) Benzo(b)fluoranthene	23.829	252	38683	3.676	ng	94
89) Benzo(k)fluoranthene	23.829	252	38683	3.694	ng	95
90) Benzo(a)pyrene	24.699	252	27844	3.098	ng	# 91

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

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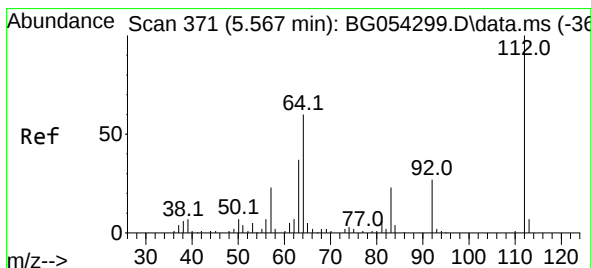
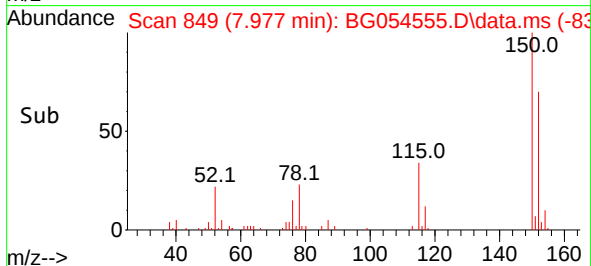
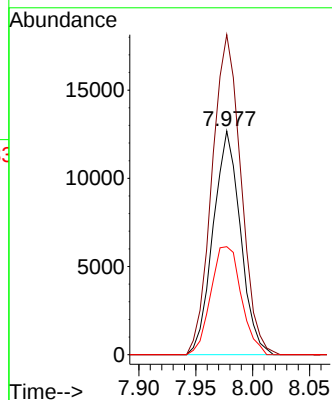
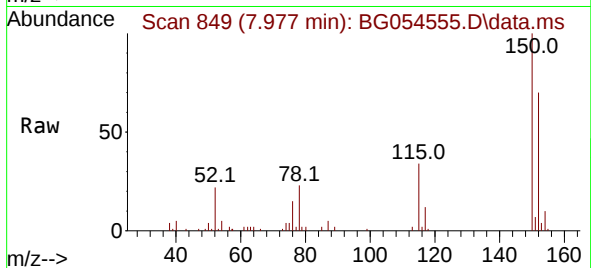




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

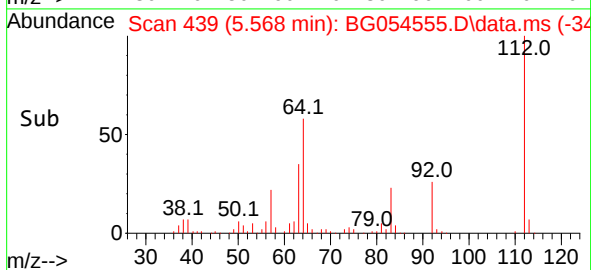
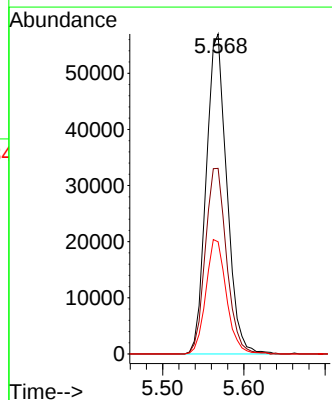
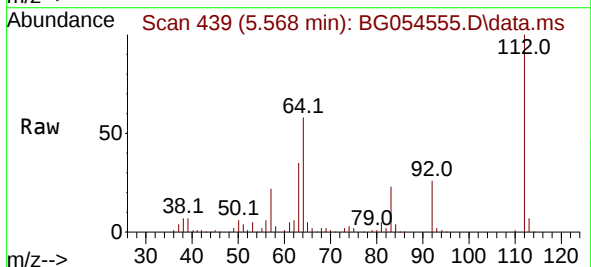
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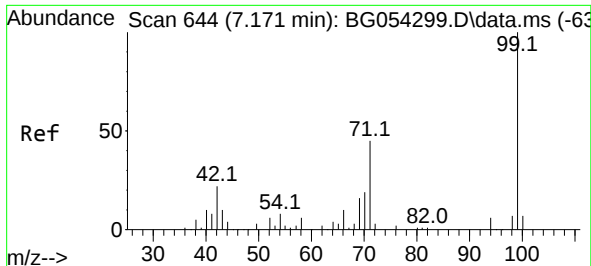
Tgt Ion:152 Resp: 21233
Ion Ratio Lower Upper
152 100
150 143.0 131.6 197.4
115 48.3 50.9 76.3#



#5
2-Fluorophenol
Concen: 98.375 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:112 Resp: 100044
Ion Ratio Lower Upper
112 100
64 58.0 55.1 82.7
63 35.1 30.4 45.6

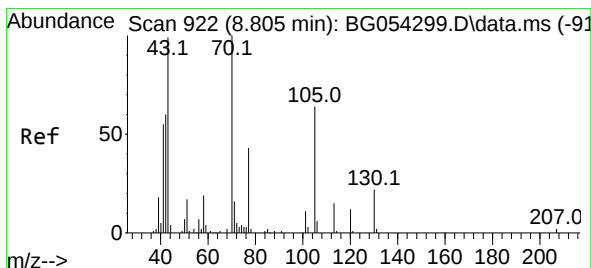
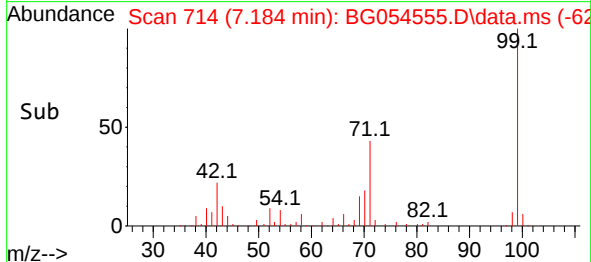
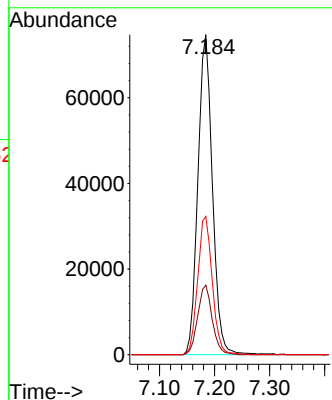
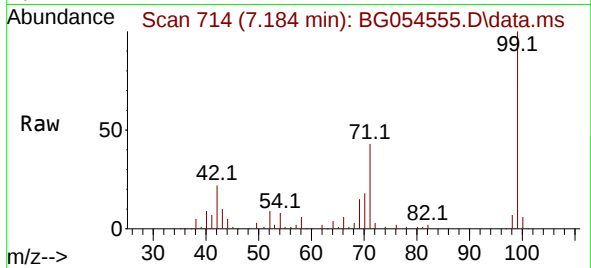




#7
Phenol-d6
Concen: 98.380 ng
RT: 7.184 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

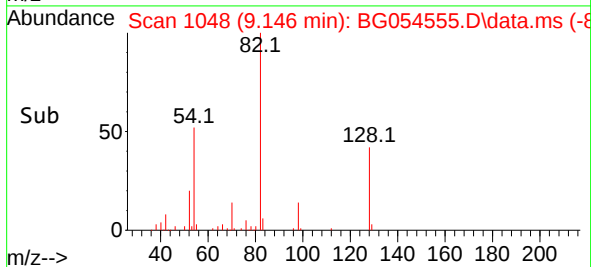
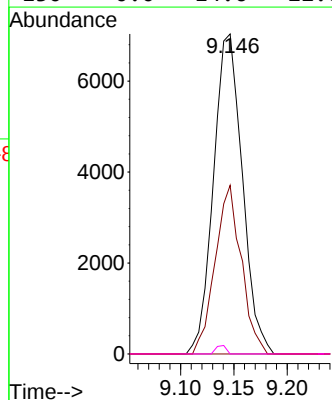
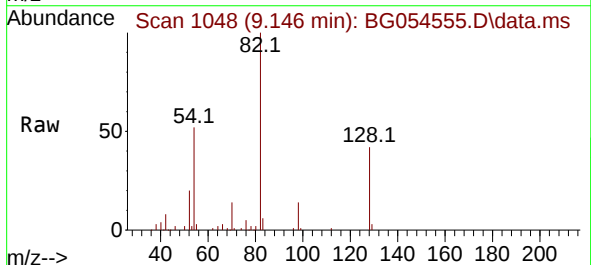
Instrument :
BNA_G
ClientSampleId :
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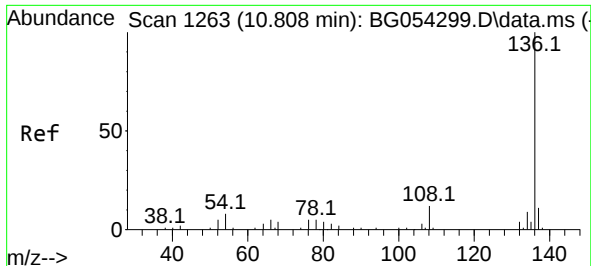
Tgt Ion: 99 Resp: 137091
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.197 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.363 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion: 70 Resp: 13211
Ion Ratio Lower Upper
70 100
42 52.7 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

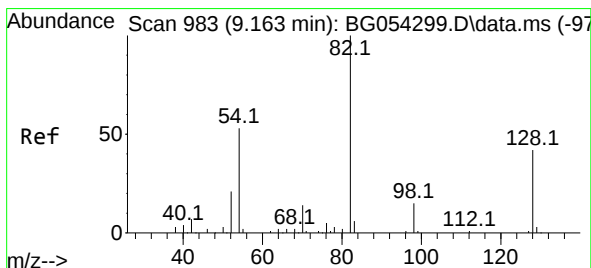
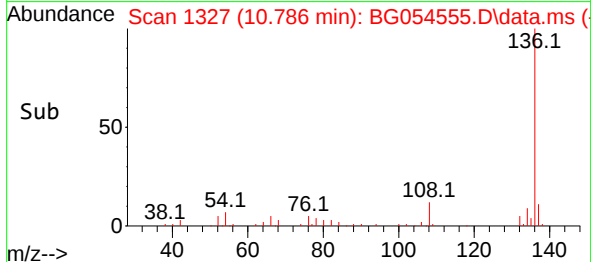
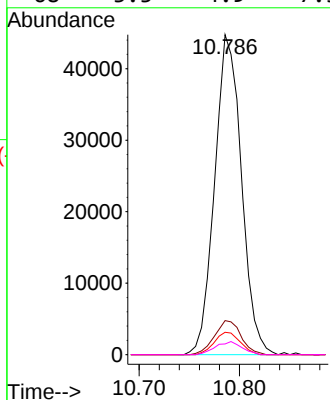
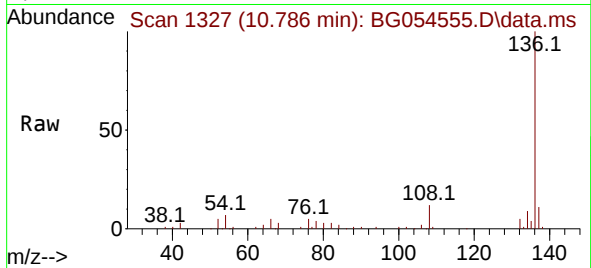




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

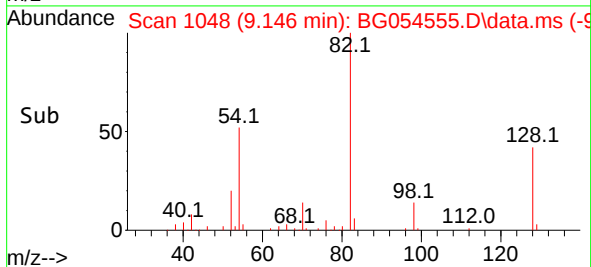
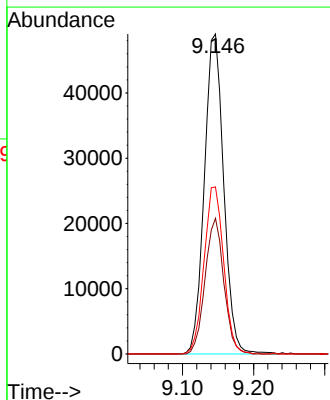
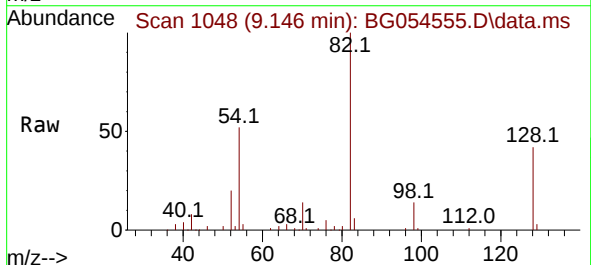
Instrument :
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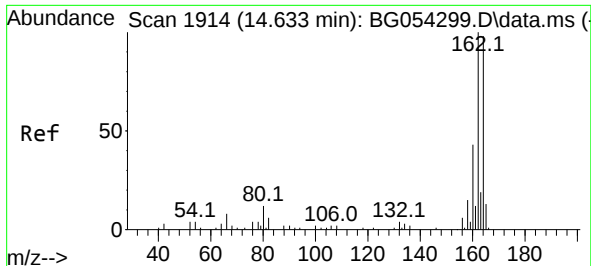
Tgt Ion:	136	Resp:	82870
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	7.0	7.4	11.2#
68	3.3	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 61.185 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:	82	Resp:	93109
Ion Ratio	Lower	Upper	
82	100		
128	42.4	27.9	41.9#
54	52.2	41.2	61.8

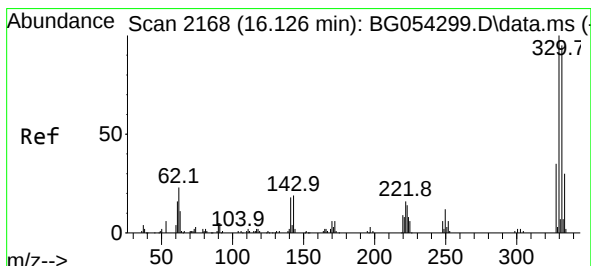
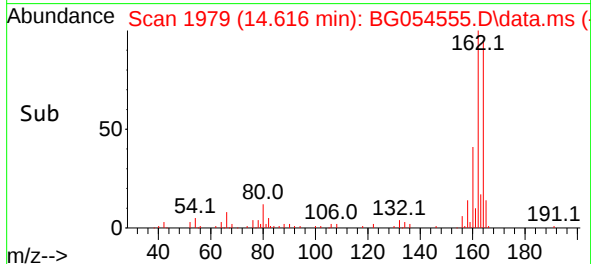
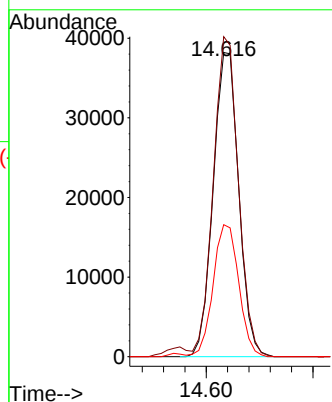
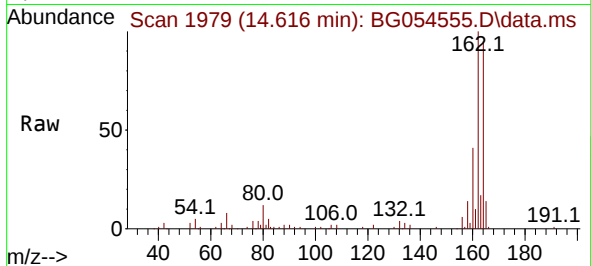




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

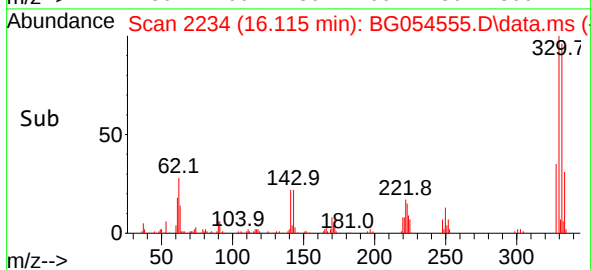
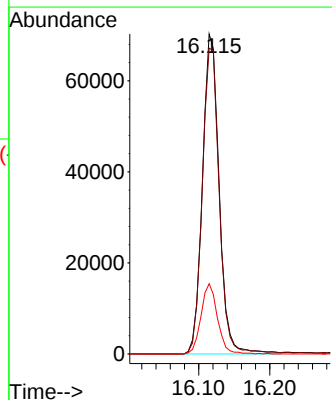
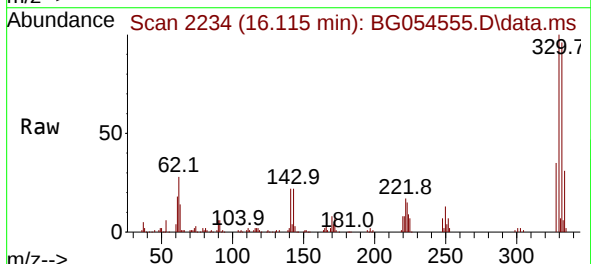
Instrument :
BNA_G
ClientSampleId :
SB-16

Tgt Ion:164 Resp: 63362
Ion Ratio Lower Upper
164 100
162 105.2 82.3 123.5
160 43.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 86.523 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:330 Resp: 115107
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 21.6 27.1 40.7#

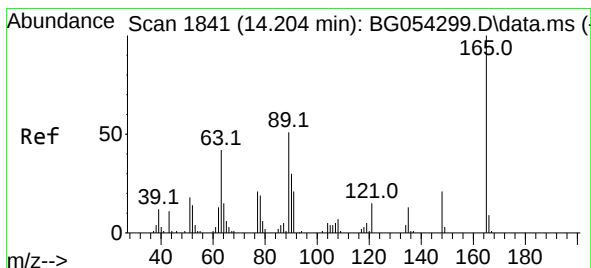
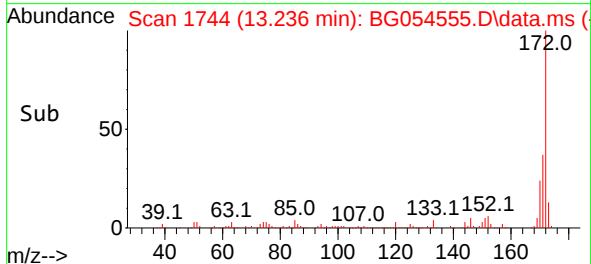
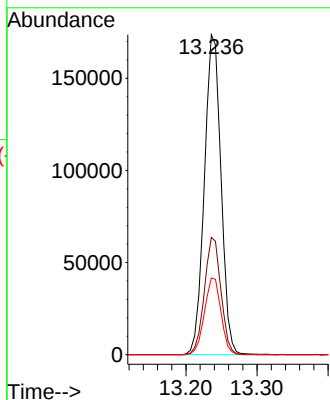
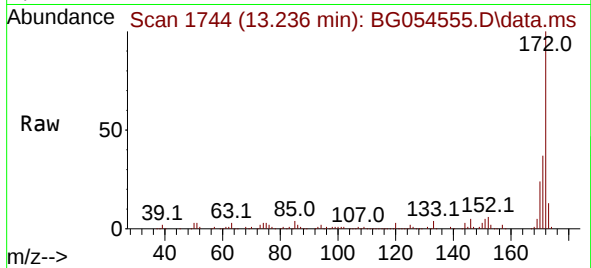




#45
2-Fluorobiphenyl
Concen: 63.075 ng
RT: 13.236 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

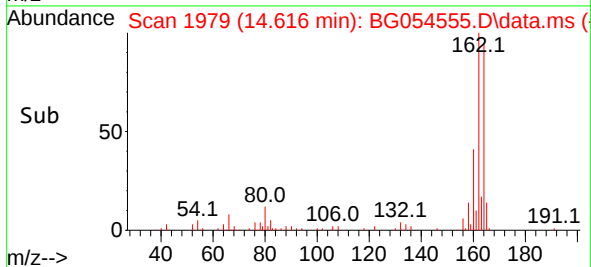
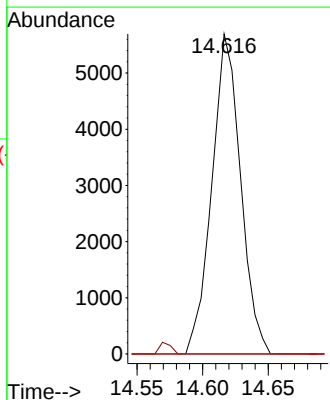
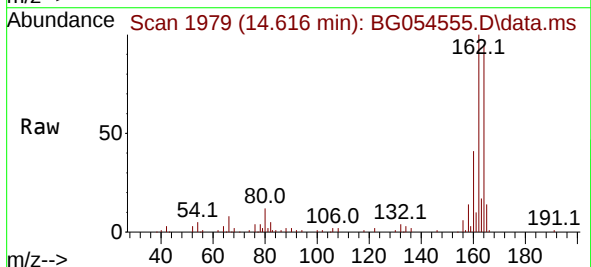
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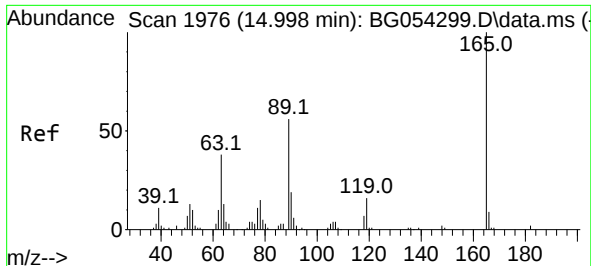
Tgt Ion:172 Resp: 283304
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.982 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.422 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:165 Resp: 8665
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

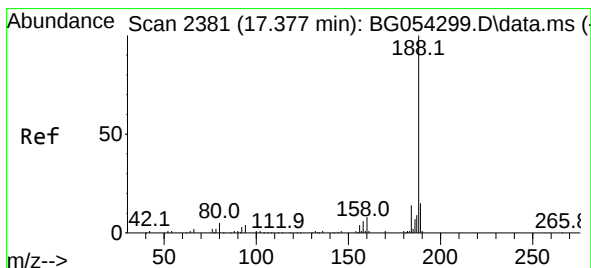
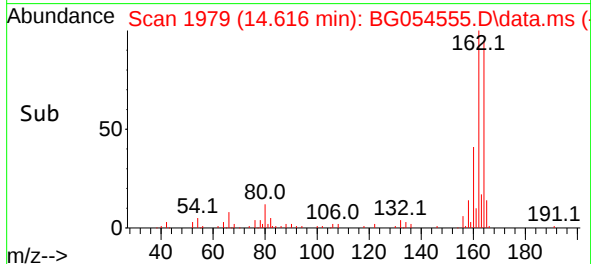
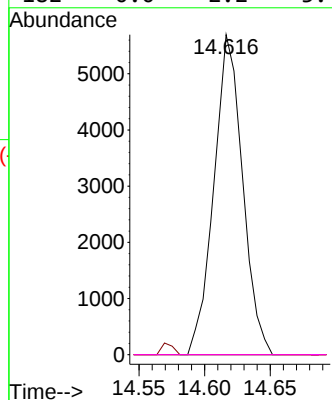
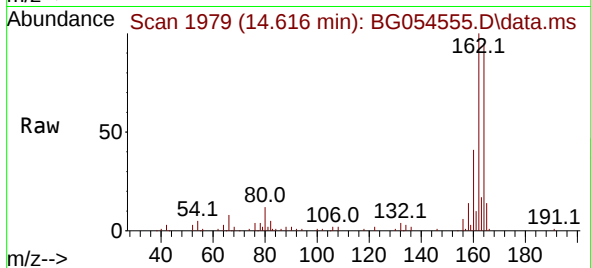




#57
2,4-Dinitrotoluene
Concen: 5.568 ng
RT: 14.616 min Scan# 14
Delta R.T. -0.377 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

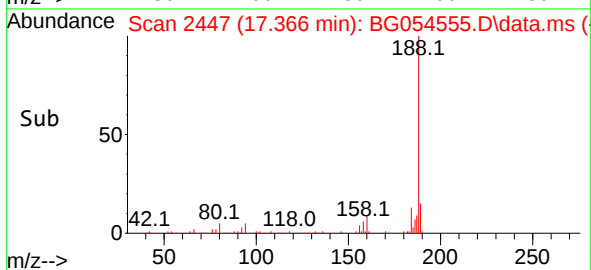
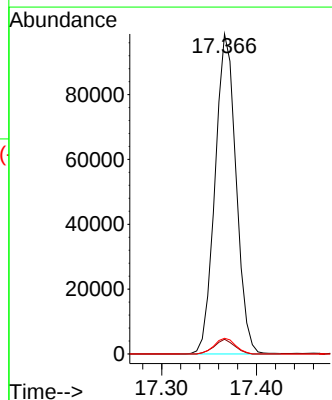
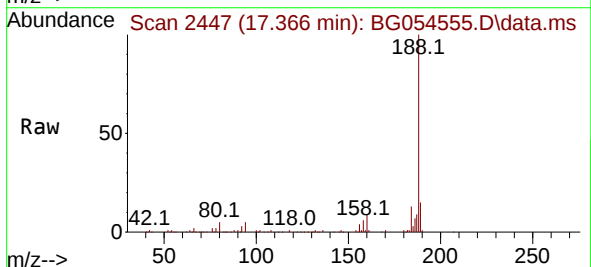
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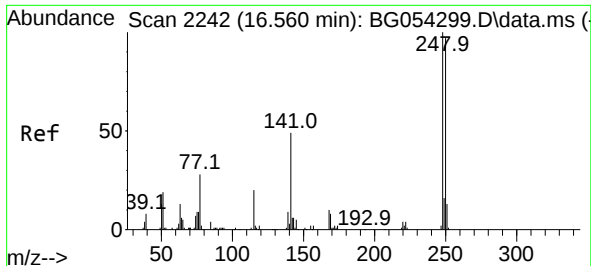
Tgt Ion:165 Resp: 8665
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:188 Resp: 152340
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 4.9 6.8 10.2#

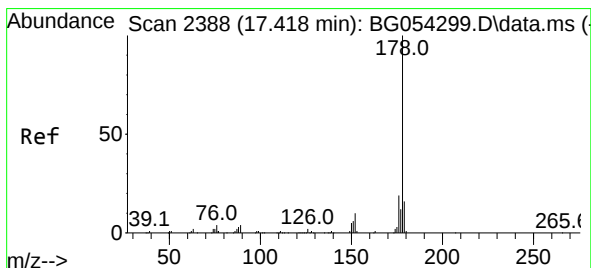
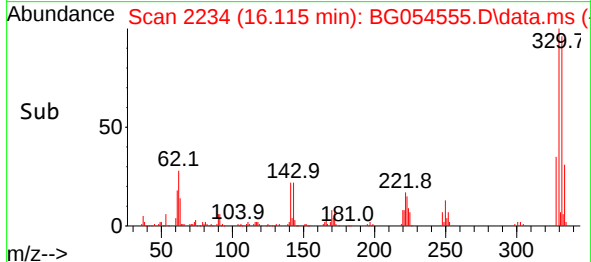
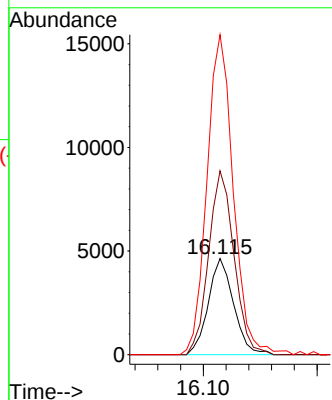
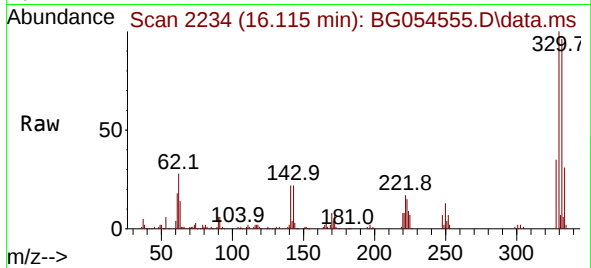




#67
4-Bromophenyl-phenylether
Concen: 3.364 ng
RT: 16.115 min Scan# 21
Delta R.T. -0.430 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

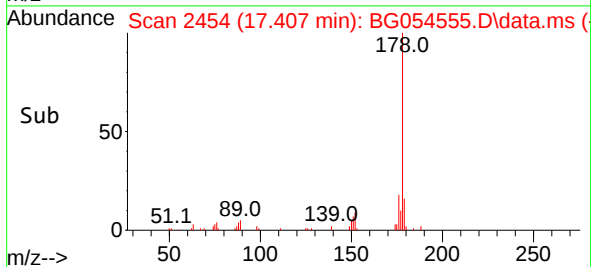
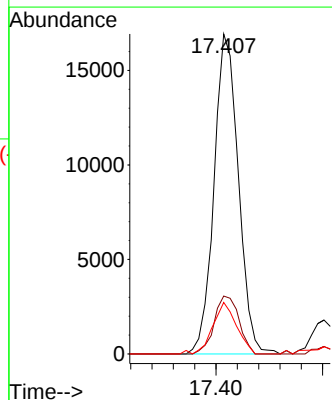
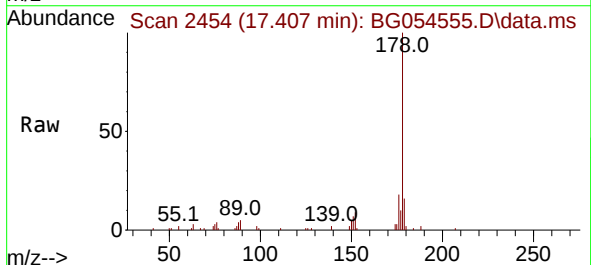
Instrument :
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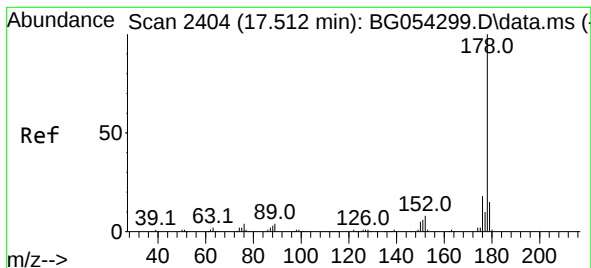
Tgt Ion:248 Resp: 7198
Ion Ratio Lower Upper
248 100
250 191.2 75.2 112.8#
141 332.7 50.0 75.0#



#71
Phenanthrene
Concen: 3.533 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:178 Resp: 26800
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.1 12.1 18.1





#72

Anthracene

Concen: 3.600 ng

RT: 17.407 min Scan# 24

Delta R.T. -0.089 min

Lab File: BG054555.D

Acq: 8 Aug 2022 16:07

Instrument :

BNA_G

ClientSampleId :

SB-16

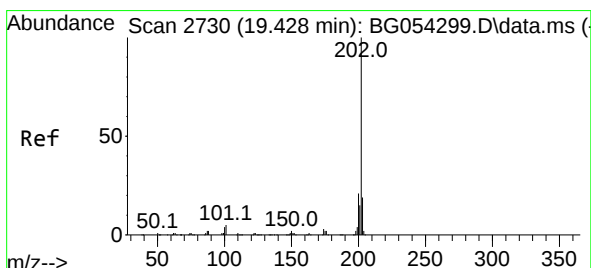
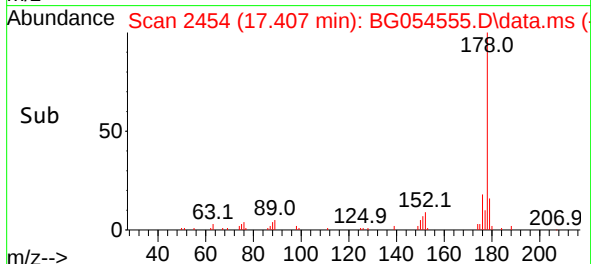
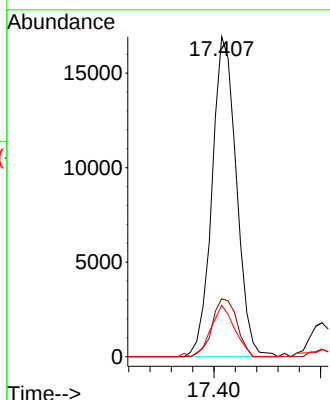
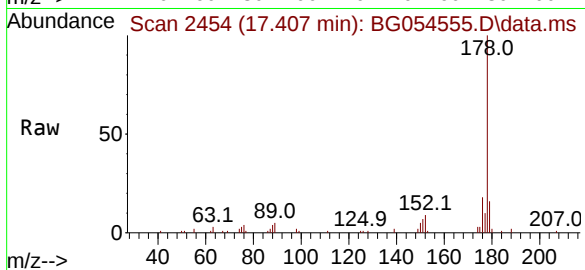
Tgt Ion:178 Resp: 26800

Ion Ratio Lower Upper

178 100

176 18.1 15.2 22.8

179 16.1 13.0 19.4



#75

Fluoranthene

Concen: 5.852 ng

RT: 19.423 min Scan# 2797

Delta R.T. 0.005 min

Lab File: BG054555.D

Acq: 8 Aug 2022 16:07

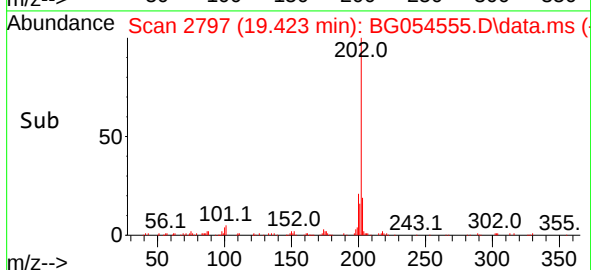
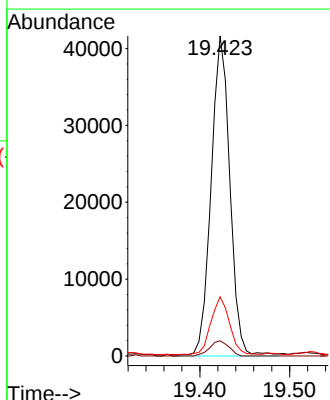
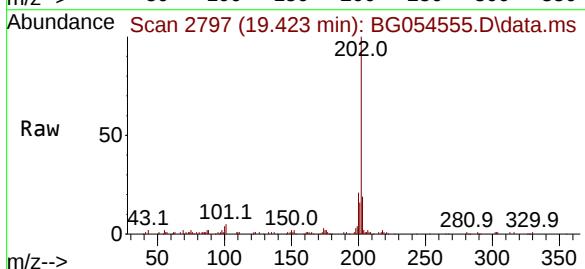
Tgt Ion:202 Resp: 60515

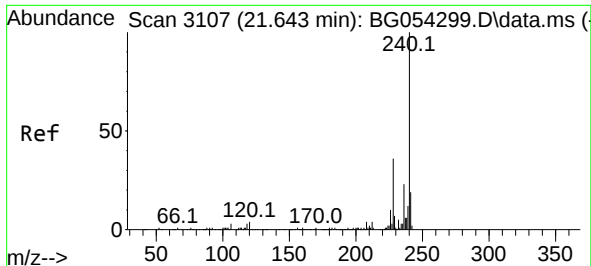
Ion Ratio Lower Upper

202 100

101 4.8 0.0 26.9

203 18.5 0.0 37.2

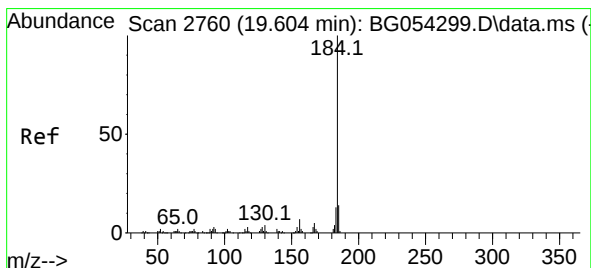
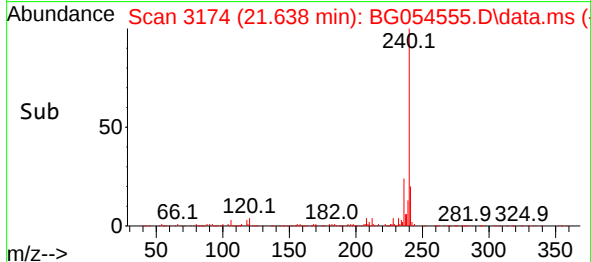
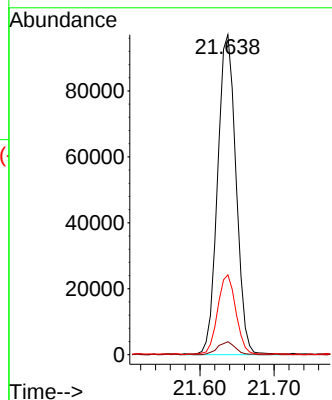
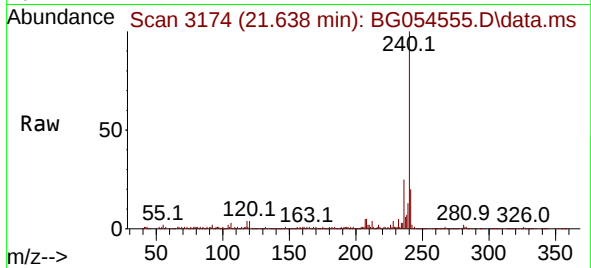




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3107
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

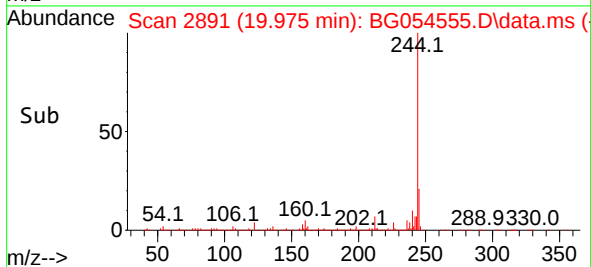
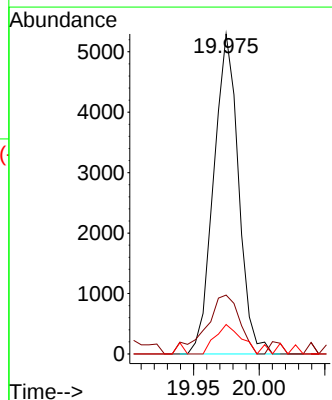
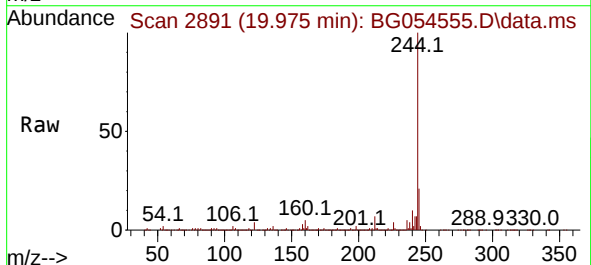
Instrument :
BNA_G
ClientSampleId :
SB-16

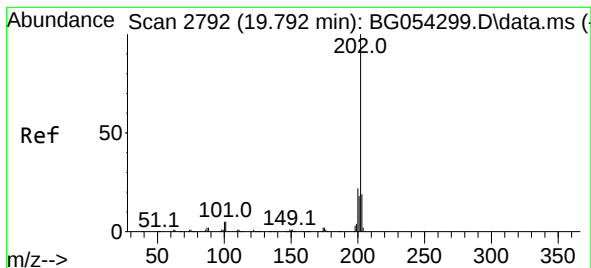
Tgt Ion:240 Resp: 167544
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 24.9 20.2 30.4



#77
Benzidine
Concen: 2.292 ng
RT: 19.975 min Scan# 2891
Delta R.T. 0.381 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:184 Resp: 6954
Ion Ratio Lower Upper
184 100
185 18.4 11.8 17.6#
183 9.2 8.9 13.3





#78

Pyrene

Concen: 6.099 ng

RT: 19.787 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG054555.D

Acq: 8 Aug 2022 16:07

Instrument :

BNA_G

ClientSampleId :

SB-16

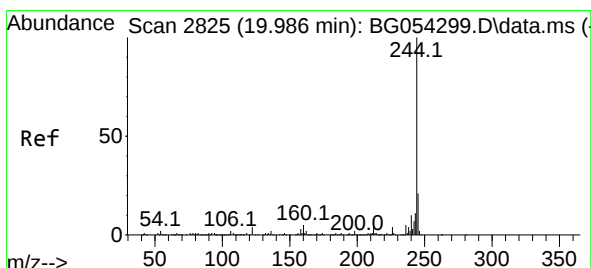
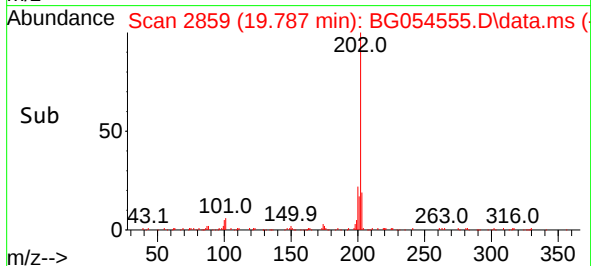
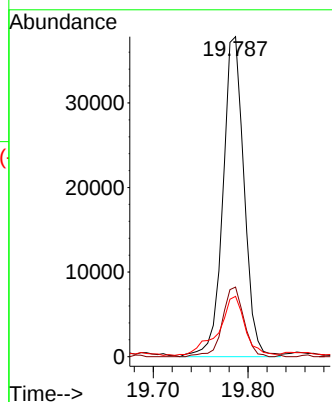
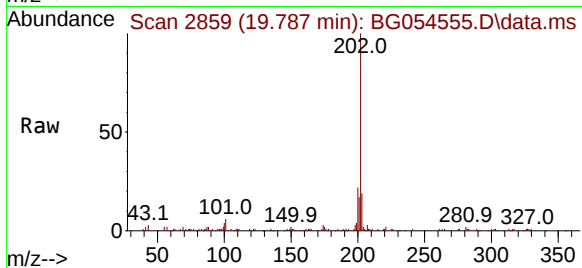
Tgt Ion:202 Resp: 58630

Ion Ratio Lower Upper

202 100

200 21.7 16.6 24.8

203 18.8 14.6 21.8



#79

Terphenyl-d14

Concen: 65.140 ng

RT: 19.975 min Scan# 2891

Delta R.T. 0.005 min

Lab File: BG054555.D

Acq: 8 Aug 2022 16:07

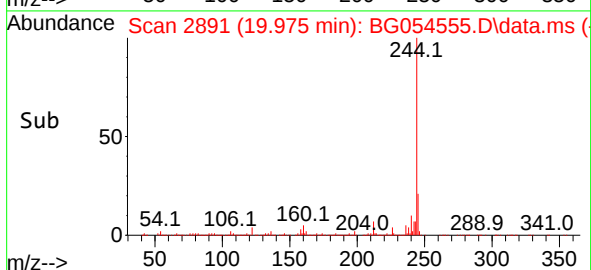
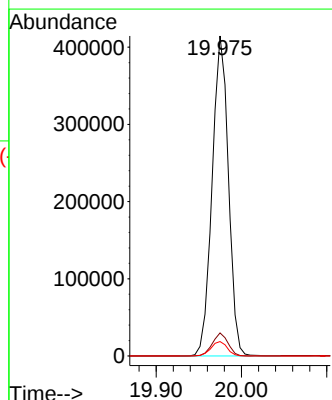
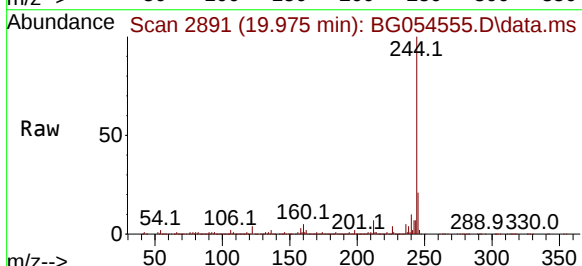
Tgt Ion:244 Resp: 550145

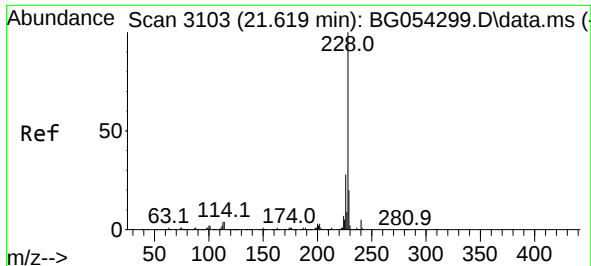
Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 4.5 5.0 7.4#

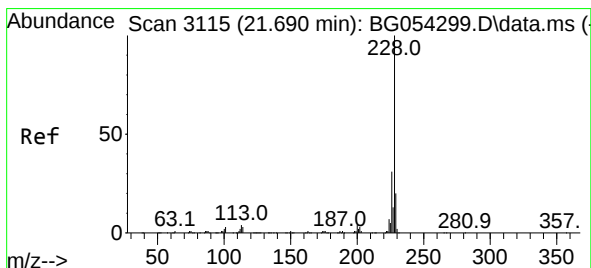
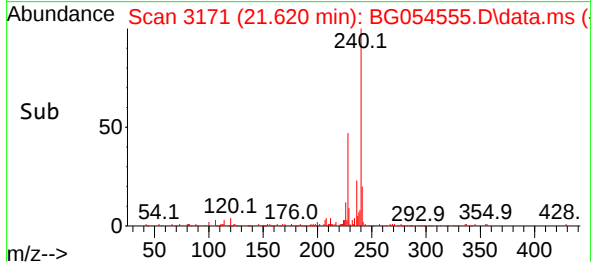
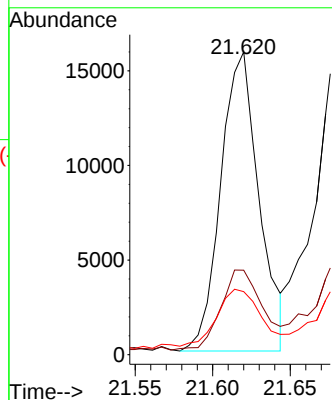
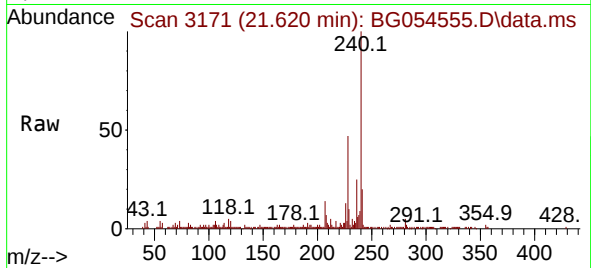




#81
Benzo(a)anthracene
Concen: 2.554 ng
RT: 21.620 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

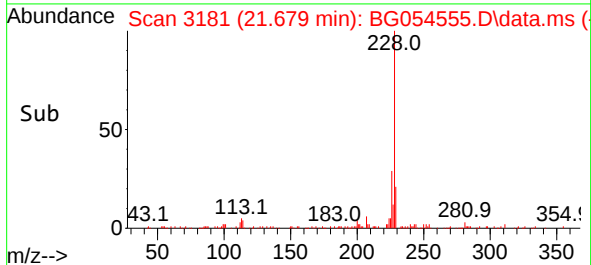
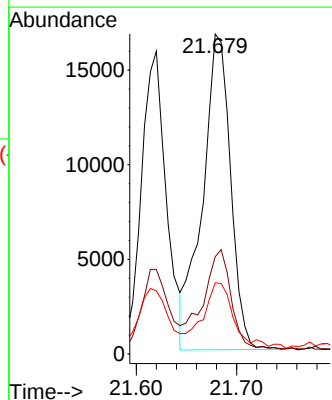
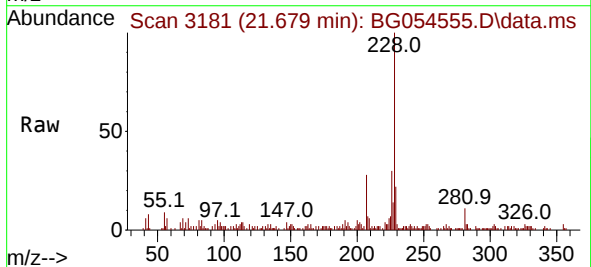
Instrument :
BNA_G
ClientSampleId :
SB-16

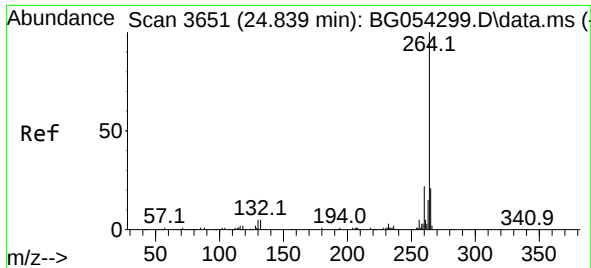
Tgt Ion:228 Resp: 27158
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 20.8 16.2 24.2



#83
Chrysene
Concen: 3.232 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:228 Resp: 32479
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 22.2 15.5 23.3

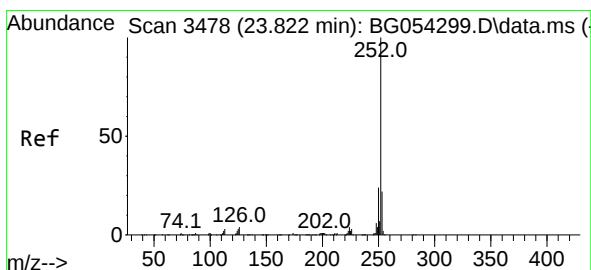
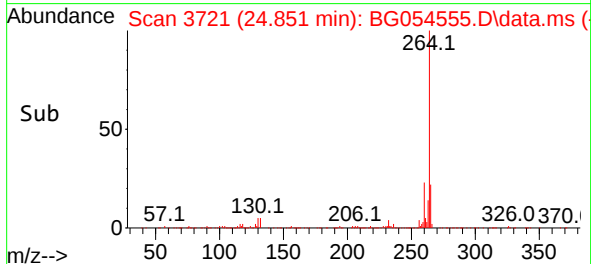
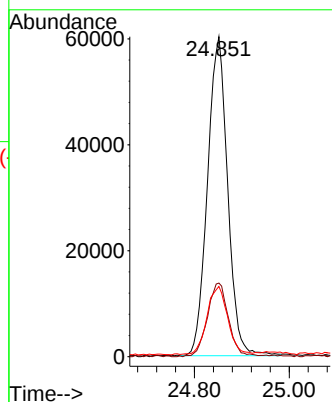
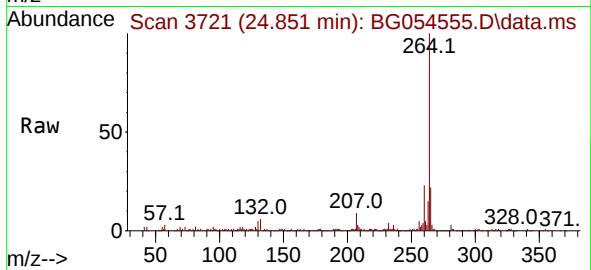




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.851 min Scan# 31
 Delta R.T. 0.017 min
 Lab File: BG054555.D
 Acq: 8 Aug 2022 16:07

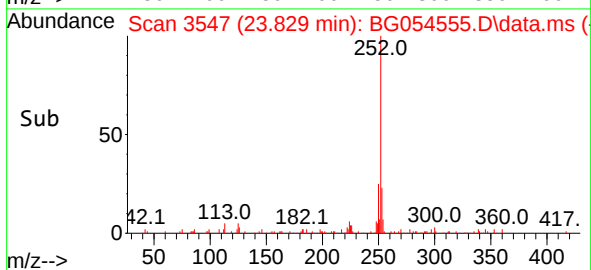
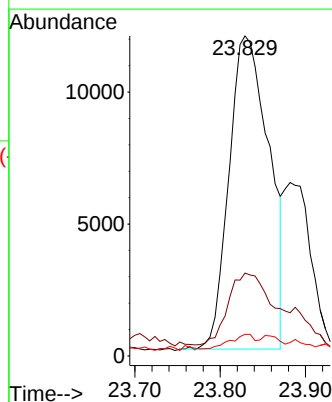
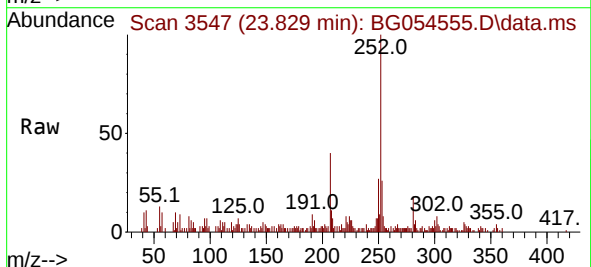
Instrument :
 BNA_G
 ClientSampleId :
 SB-16

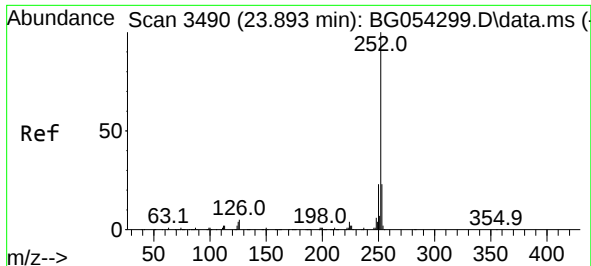
Tgt Ion:264 Resp: 177935
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 22.0 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.676 ng
 RT: 23.829 min Scan# 3547
 Delta R.T. 0.011 min
 Lab File: BG054555.D
 Acq: 8 Aug 2022 16:07

Tgt Ion:252 Resp: 38683
 Ion Ratio Lower Upper
 252 100
 253 25.9 18.0 27.0
 125 6.8 4.6 6.8

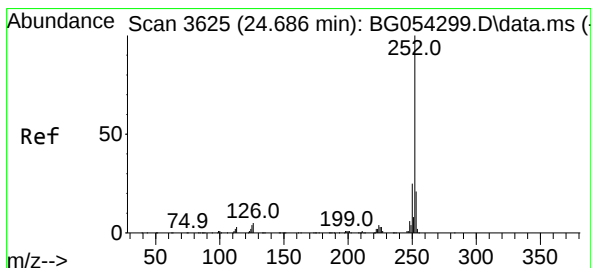
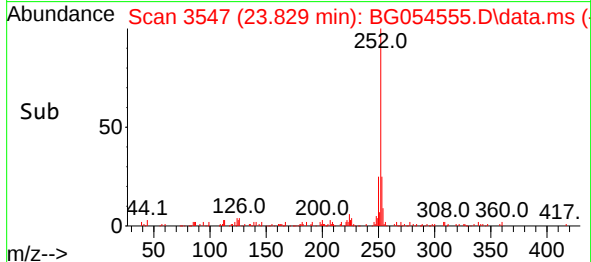
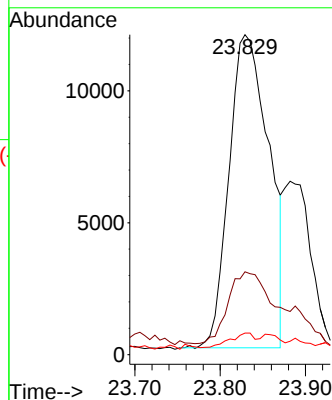
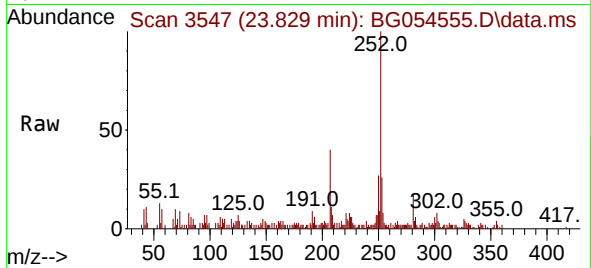




#89
Benzo(k)fluoranthene
Concen: 3.694 ng
RT: 23.829 min Scan# 31
Delta R.T. -0.054 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Instrument :
BNA_G
ClientSampleId :
SB-16

Tgt Ion:252 Resp: 38683
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 6.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.098 ng
RT: 24.699 min Scan# 3695
Delta R.T. 0.011 min
Lab File: BG054555.D
Acq: 8 Aug 2022 16:07

Tgt Ion:252 Resp: 27844
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.8#
125 4.5 4.3 6.5

