

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081122\
 Data File : BG054608.D
 Acq On : 11 Aug 2022 17:10
 Operator : CG/JU
 Sample : N4017-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB04

Quant Time: Aug 12 06:04:44 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)

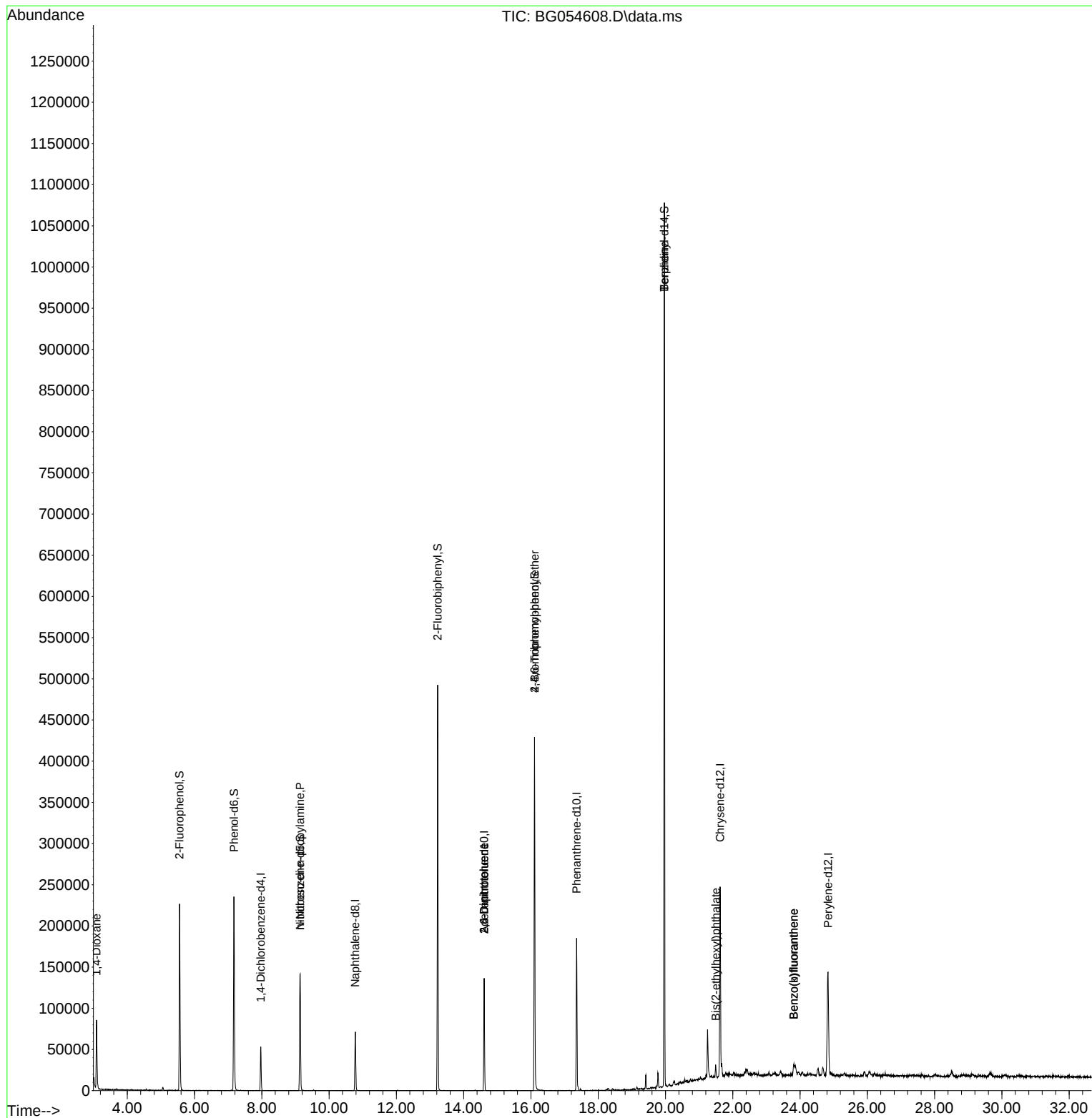
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	16639	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	66221	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	52789	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	136677	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	153184	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	159614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.556	112	103617	130.020	ng	0.00
7) Phenol-d6	7.171	99	138562	126.889	ng	0.00
23) Nitrobenzene-d5	9.134	82	90785	74.657	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	118012	106.473	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	279474	74.685	ng	0.00
79) Terphenyl-d14	19.968	244	623542	80.752	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.088	88	894	2.820	ng	# 1
9) Benzaldehyde	7.171	77	71	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.140	70	13029	17.867	ng	# 85
51) 2,6-Dinitrotoluene	14.610	165	7352	8.129	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	7352	5.670	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	7237	3.770	ng	# 1
77) Benzidine	19.968	184	8120	2.927	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.496	149	7917	2.043	ng	# 98
88) Benzo(b)fluoranthene	23.817	252	24737	2.621	ng	97
89) Benzo(k)fluoranthene	23.817	252	24737	2.633	ng	98

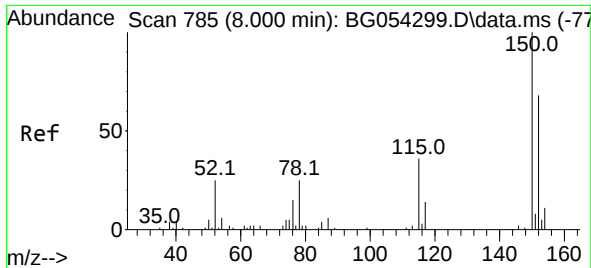
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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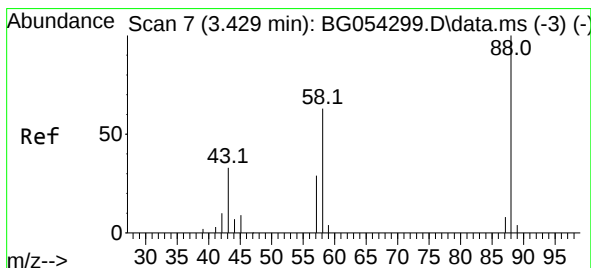
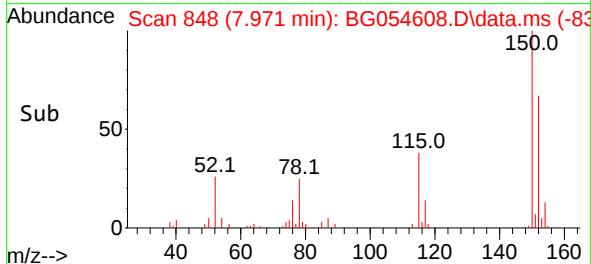
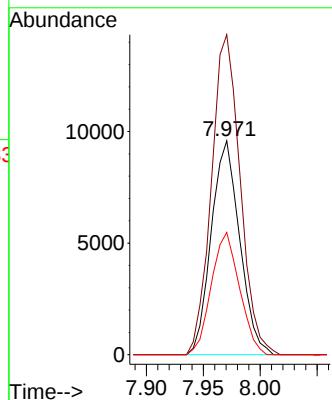
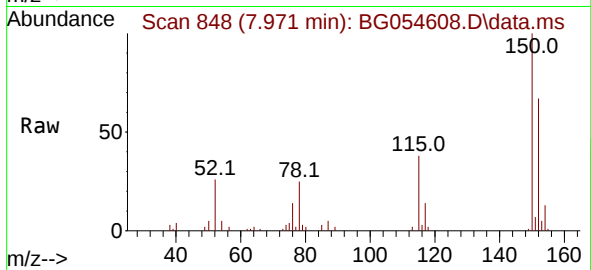




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.971 min Scan# 84
 Delta R.T. -0.001 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

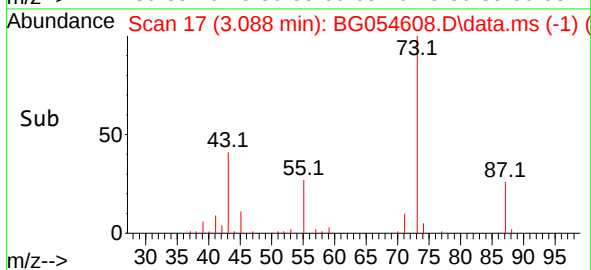
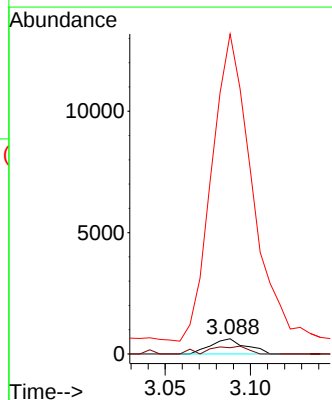
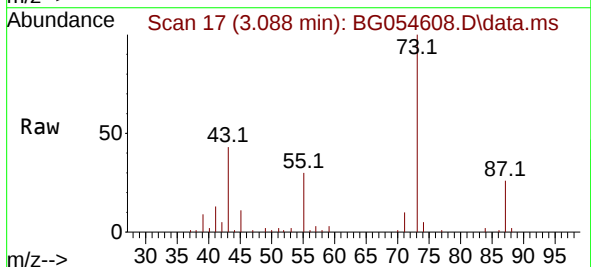
Instrument :
 BNA_G
 ClientSampleId :
 SB04

Tgt Ion:152 Resp: 16639
 Ion Ratio Lower Upper
 152 100
 150 149.6 131.6 197.4
 115 57.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.820 ng
 RT: 3.088 min Scan# 17
 Delta R.T. -0.307 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

Tgt Ion: 88 Resp: 894
 Ion Ratio Lower Upper
 88 100
 58 56.4 59.2 88.8#
 43 2463.6 24.3 36.5#

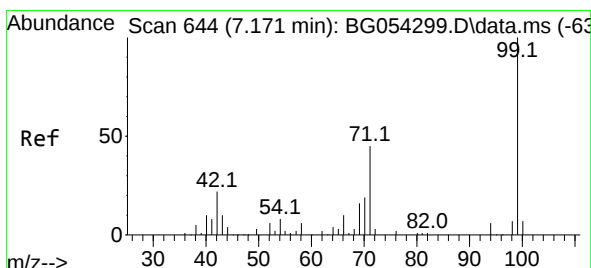
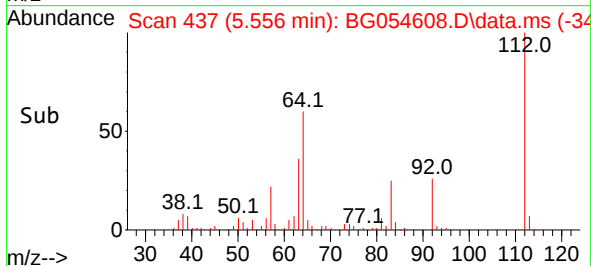
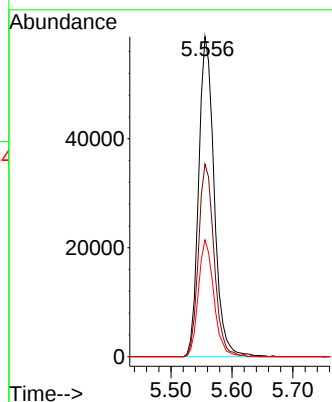
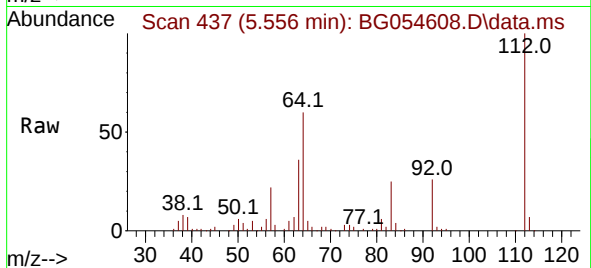




#5
2-Fluorophenol
Concen: 130.020 ng
RT: 5.556 min Scan# 41
Delta R.T. -0.008 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

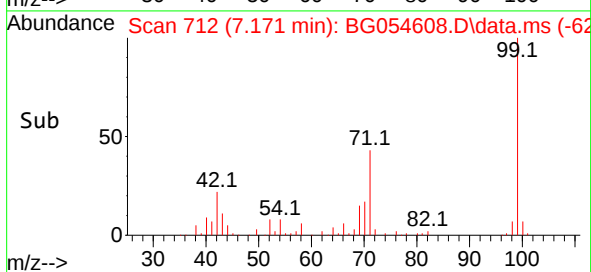
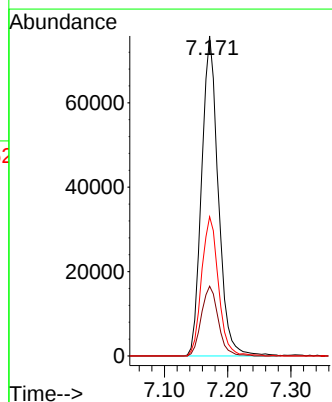
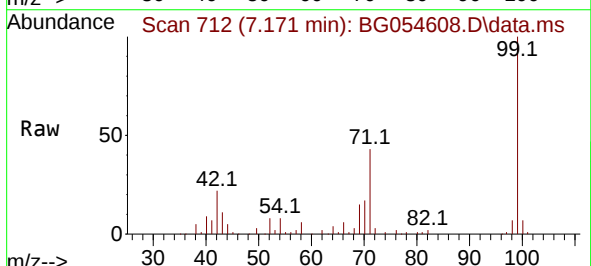
Instrument :
BNA_G
ClientSampleId :
SB04

Tgt Ion:112 Resp: 103617
Ion Ratio Lower Upper
112 100
64 60.1 55.1 82.7
63 36.5 30.4 45.6



#7
Phenol-d6
Concen: 126.889 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.008 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

Tgt Ion: 99 Resp: 138562
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 43.5 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 17.867 ng

RT: 9.140 min Scan# 1047

Delta R.T. 0.357 min

Lab File: BG054608.D

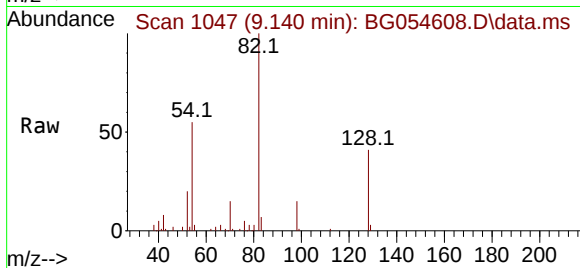
Acq: 11 Aug 2022 17:10

Instrument :

BNA_G

ClientSampleId :

SB04



Tgt Ion: 70 Resp: 13029

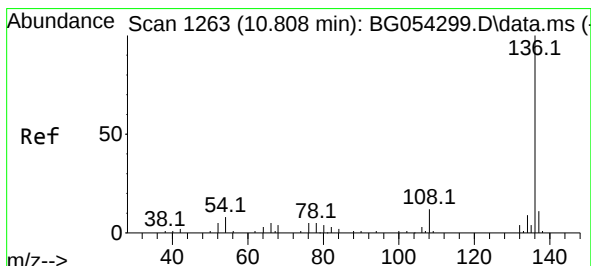
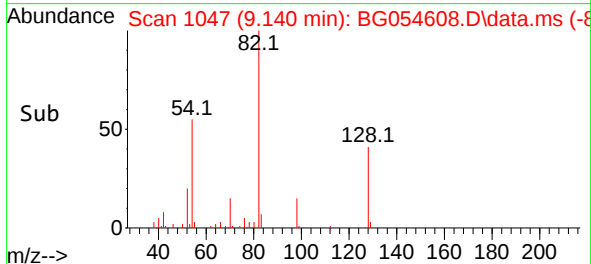
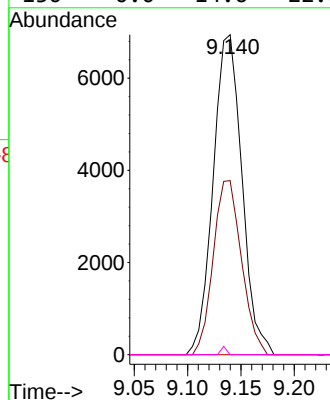
Ion Ratio Lower Upper

70 100

42 54.4 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: 10.779 min Scan# 1326

Delta R.T. -0.008 min

Lab File: BG054608.D

Acq: 11 Aug 2022 17:10

Tgt Ion: 136 Resp: 66221

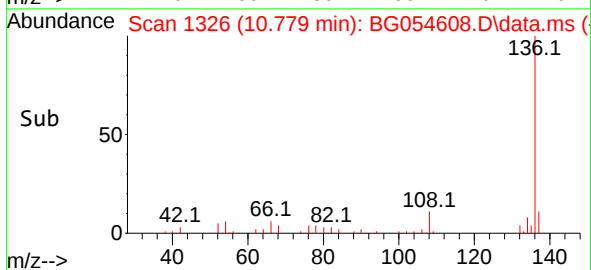
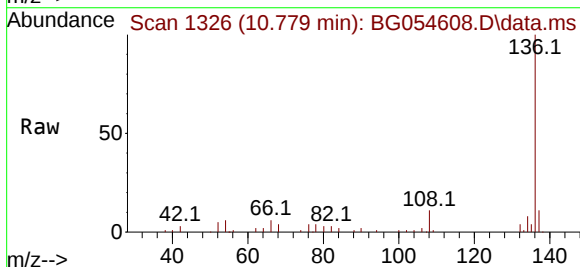
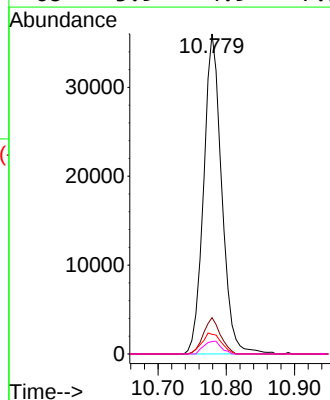
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.2 7.4 11.2#

68 3.9 4.9 7.3#

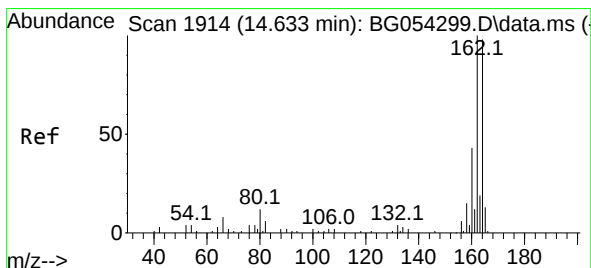
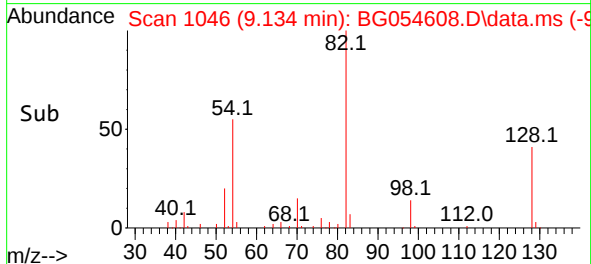
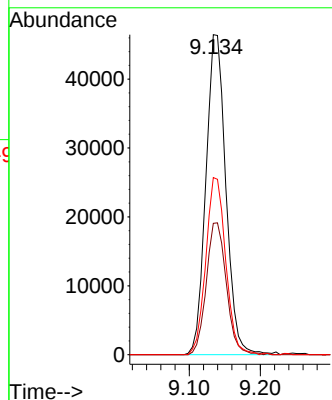
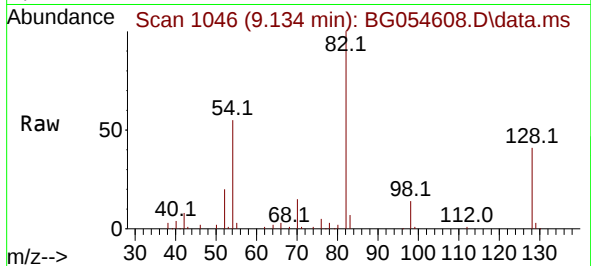




#23
Nitrobenzene-d5
Concen: 74.657 ng
RT: 9.134 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

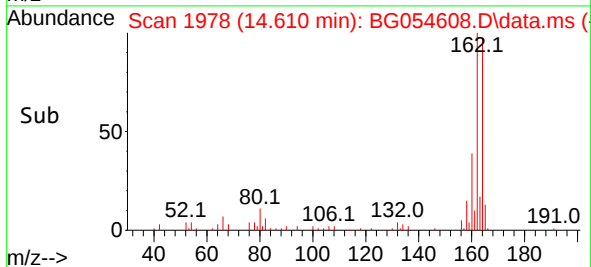
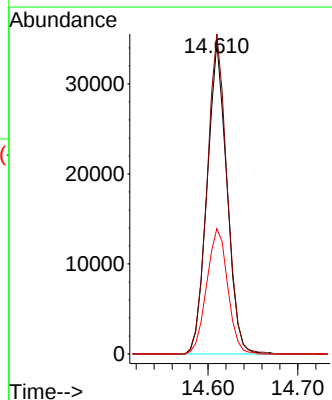
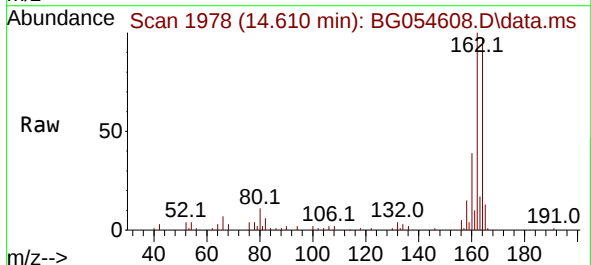
Instrument :
BNA_G
ClientSampleId :
SB04

Tgt Ion: 82 Resp: 90785
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 55.4 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.008 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

Tgt Ion:164 Resp: 52789
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 40.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 106.473 ng

RT: 16.108 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG054608.D

Acq: 11 Aug 2022 17:10

Instrument :

BNA_G

ClientSampleId :

SB04

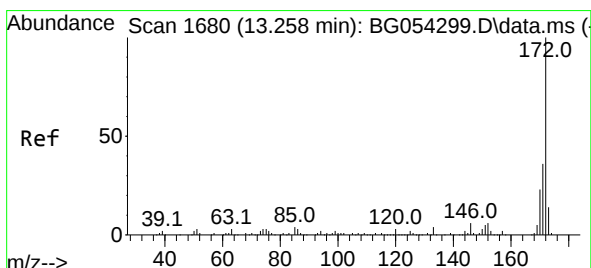
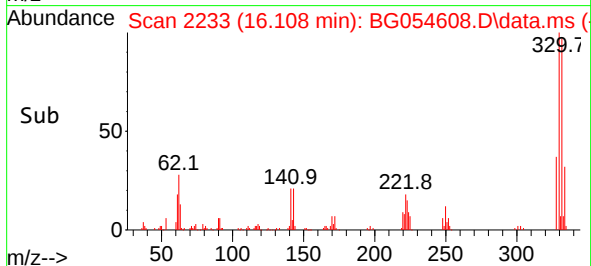
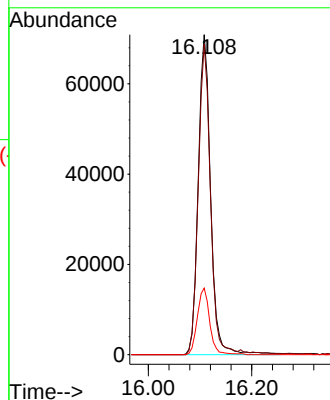
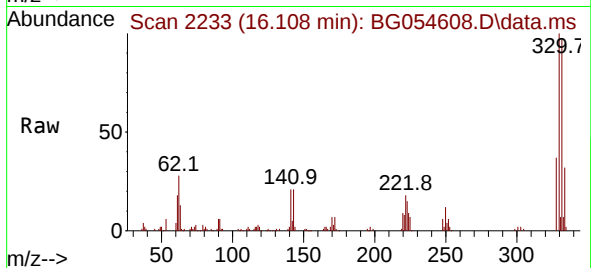
Tgt Ion:330 Resp: 118012

Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

141 20.8 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 74.685 ng

RT: 13.229 min Scan# 1743

Delta R.T. -0.008 min

Lab File: BG054608.D

Acq: 11 Aug 2022 17:10

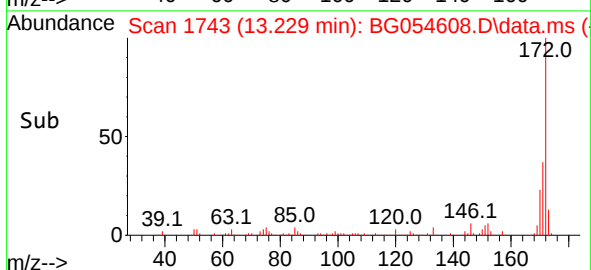
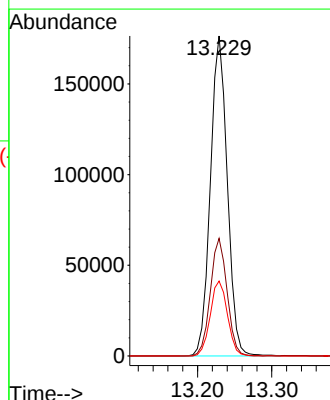
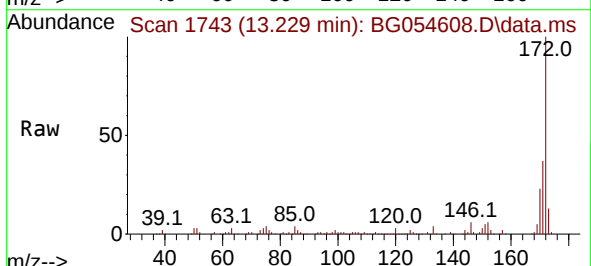
Tgt Ion:172 Resp: 279474

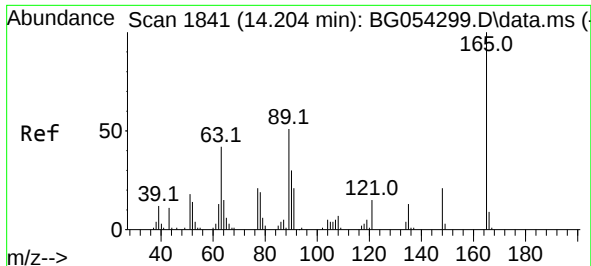
Ion Ratio Lower Upper

172 100

171 36.7 28.5 42.7

170 23.4 18.9 28.3

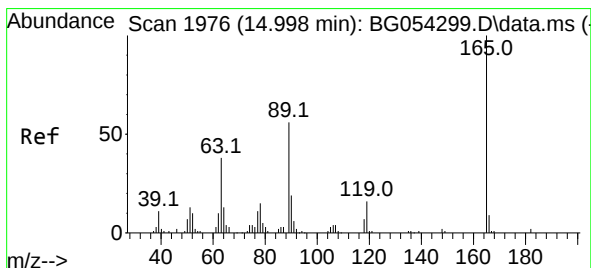
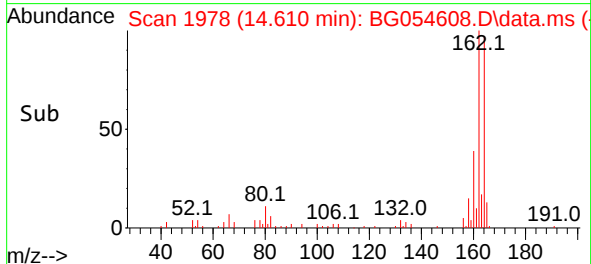
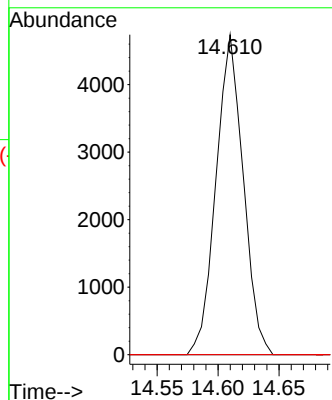
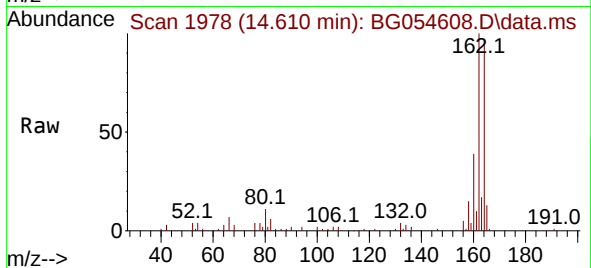




#51
2,6-Dinitrotoluene
Concen: 8.129 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

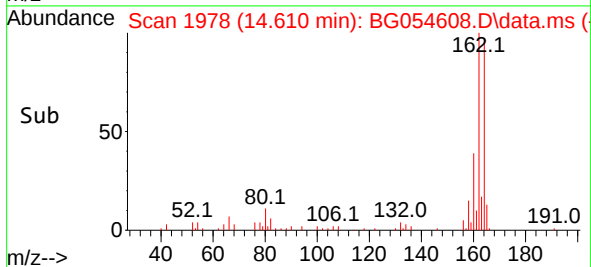
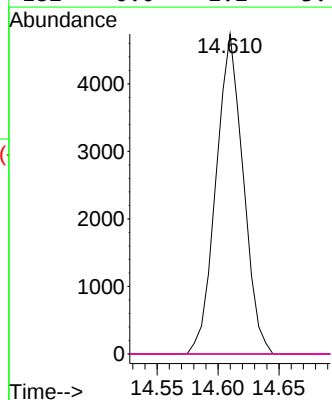
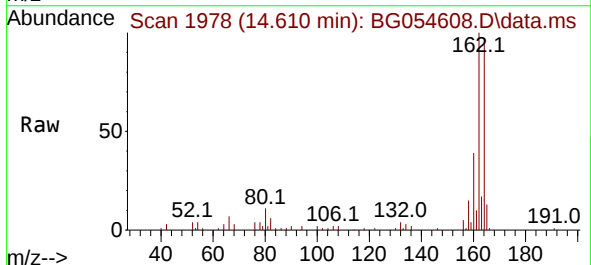
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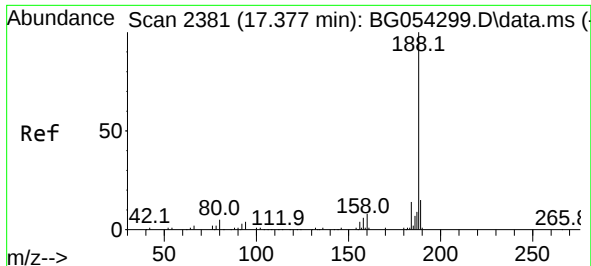
Tgt Ion:165 Resp: 7352
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.670 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.384 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

Tgt Ion:165 Resp: 7352
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#

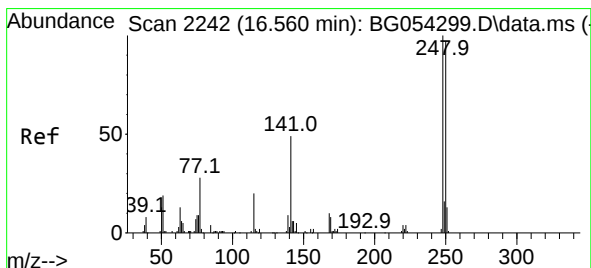
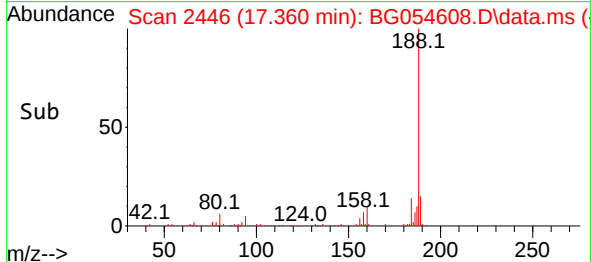
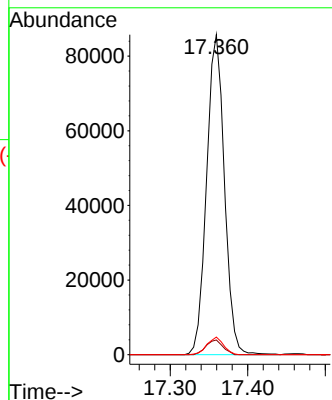
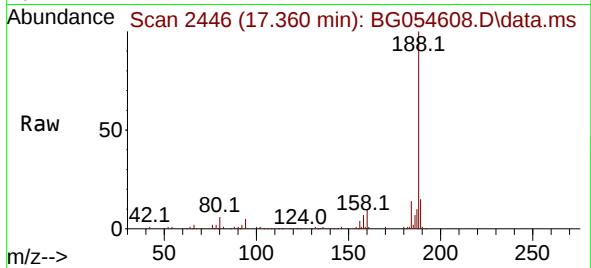




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

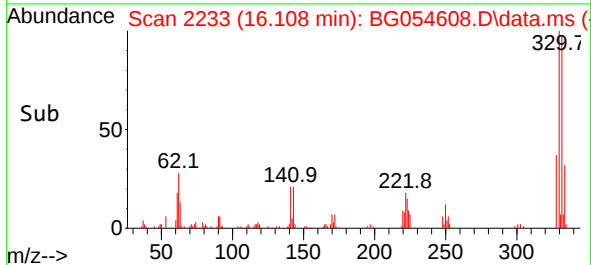
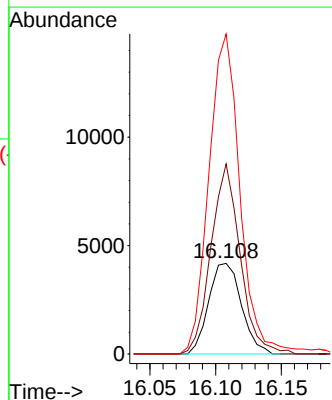
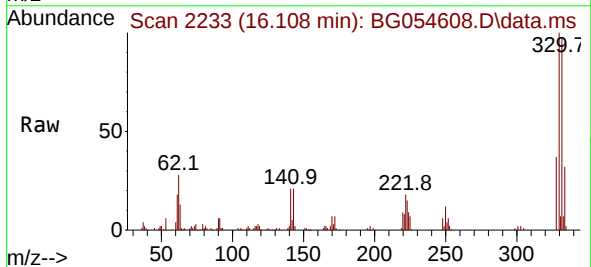
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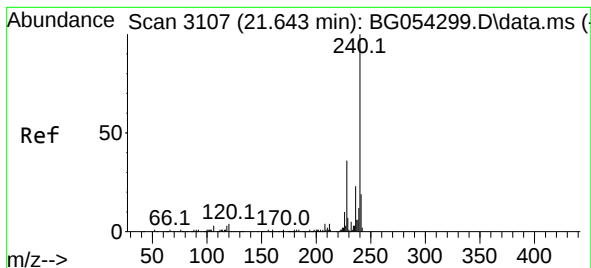
Tgt Ion:188 Resp: 136677
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 5.5 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.770 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.437 min
Lab File: BG054608.D
Acq: 11 Aug 2022 17:10

Tgt Ion:248 Resp: 7237
Ion Ratio Lower Upper
248 100
250 209.8 75.2 112.8#
141 353.1 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG054608.D

Acq: 11 Aug 2022 17:10

Instrument :

BNA_G

ClientSampleId :

SB04

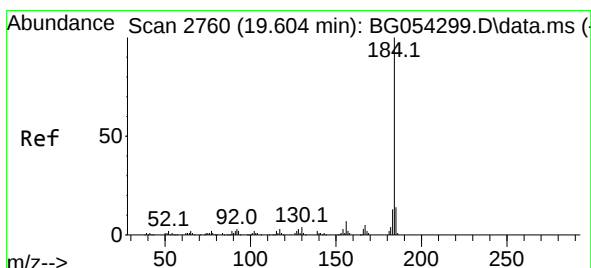
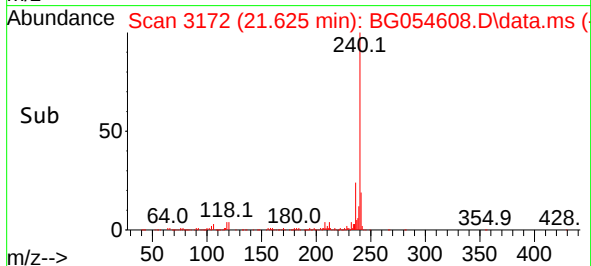
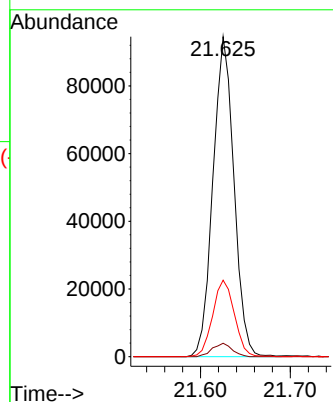
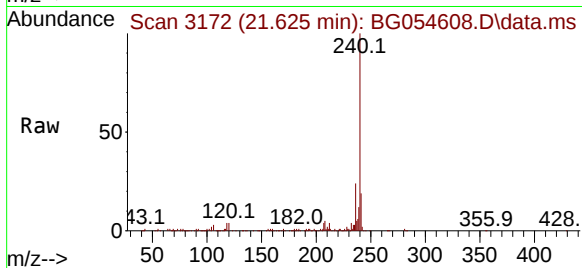
Tgt Ion:240 Resp: 153184

Ion Ratio Lower Upper

240 100

120 4.2 4.6 7.0#

236 23.9 20.2 30.4



#77

Benzidine

Concen: 2.927 ng

RT: 19.968 min Scan# 2890

Delta R.T. 0.374 min

Lab File: BG054608.D

Acq: 11 Aug 2022 17:10

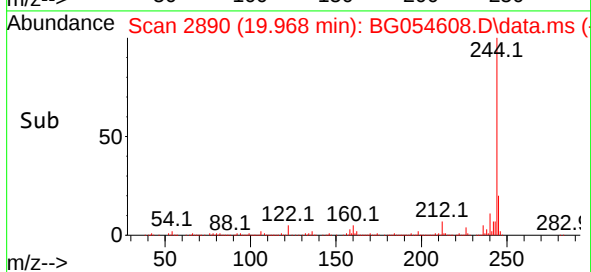
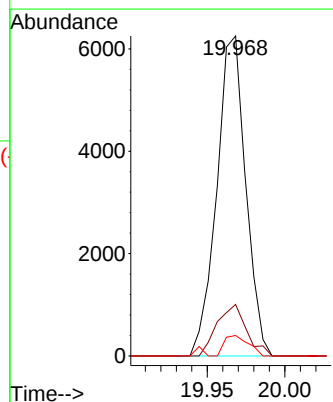
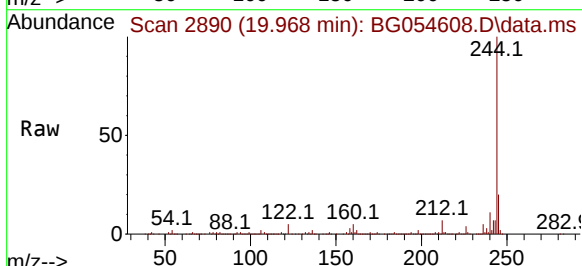
Tgt Ion:184 Resp: 8120

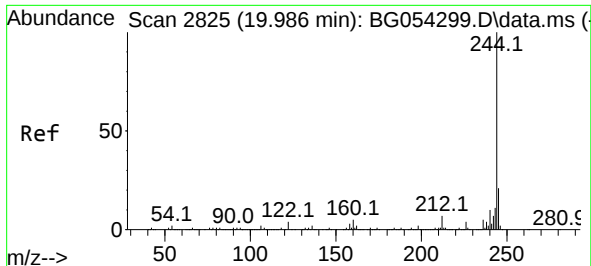
Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.6

183 6.4 8.9 13.3#

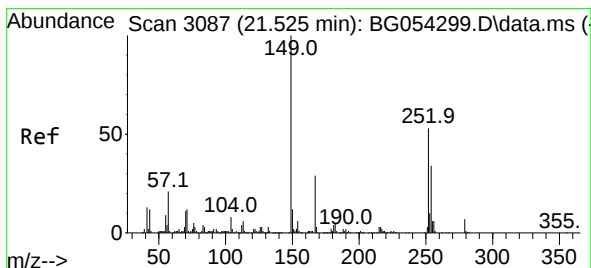
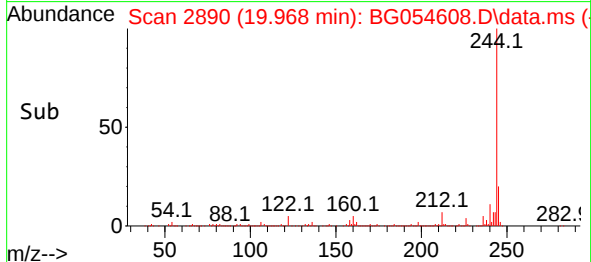
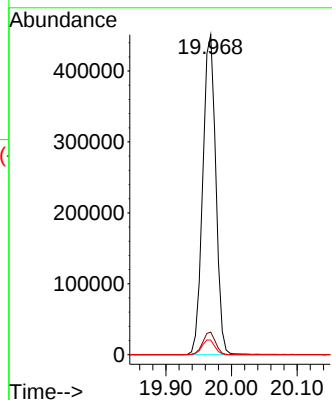
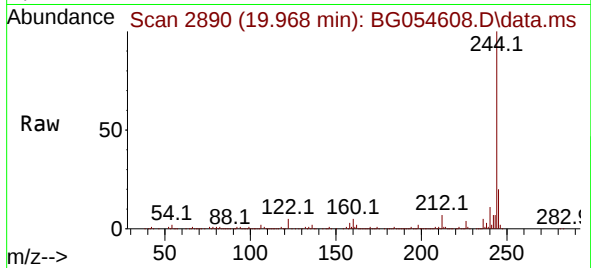




#79
 Terphenyl-d14
 Concen: 80.752 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

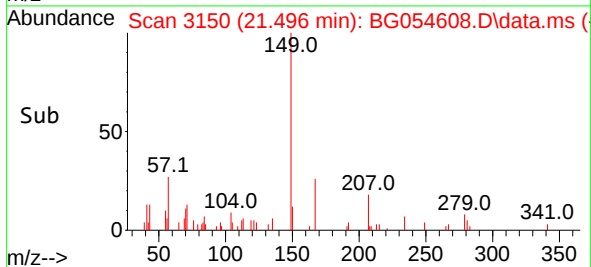
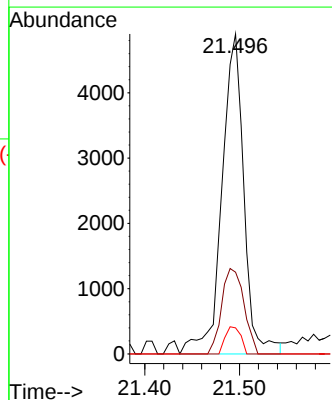
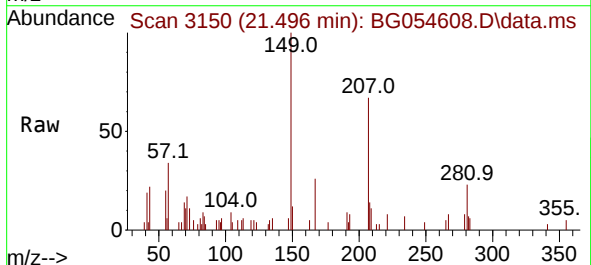
Instrument :
 BNA_G
 ClientSampleId :
 SB04

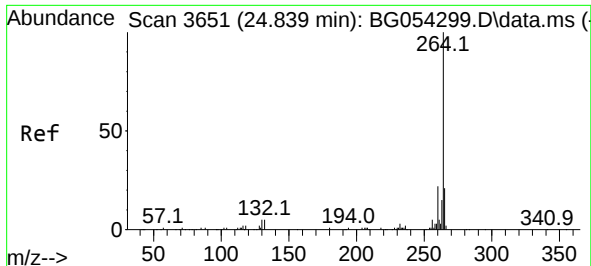
Tgt Ion:244 Resp: 623542
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.6 5.0 7.4#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.043 ng
 RT: 21.496 min Scan# 3150
 Delta R.T. -0.002 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

Tgt Ion:149 Resp: 7917
 Ion Ratio Lower Upper
 149 100
 167 25.6 20.2 30.4
 279 8.1 3.6 5.4#

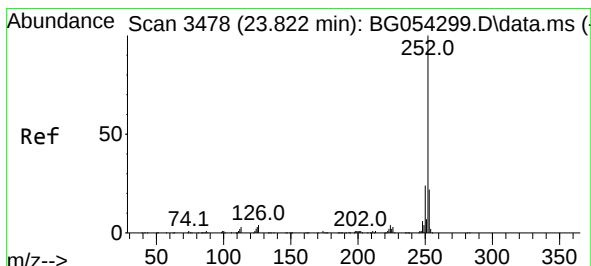
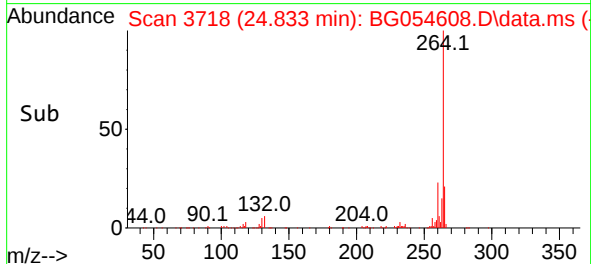
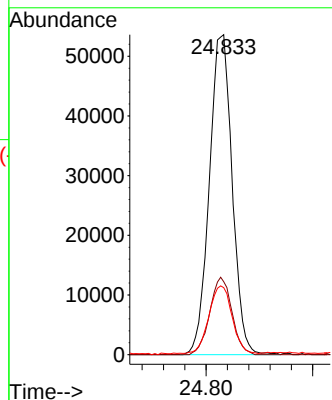
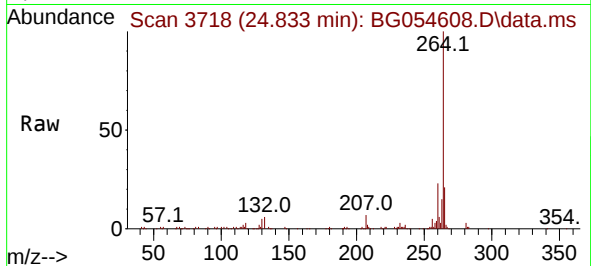




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.833 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

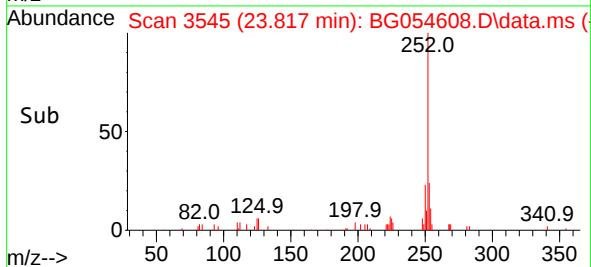
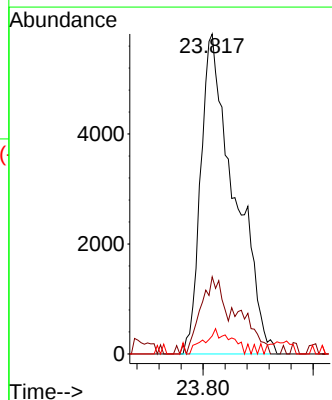
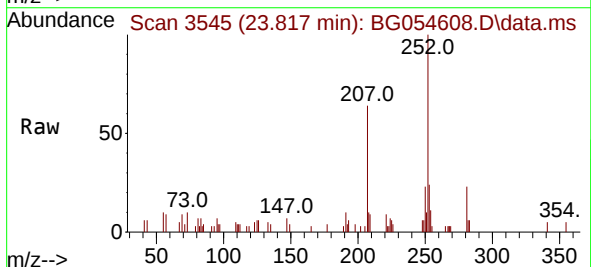
Instrument :
 BNA_G
 ClientSampleId :
 SB04

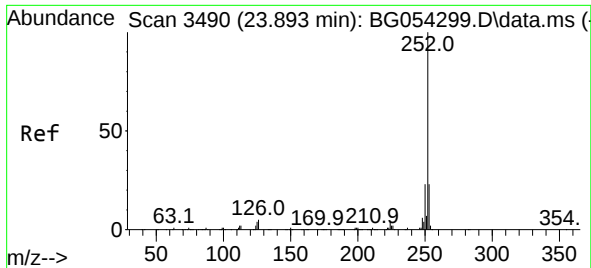
Tgt Ion:264 Resp: 159614
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.0 28.6
 265 21.0 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 2.621 ng
 RT: 23.817 min Scan# 3545
 Delta R.T. -0.002 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

Tgt Ion:252 Resp: 24737
 Ion Ratio Lower Upper
 252 100
 253 24.1 18.0 27.0
 125 5.7 4.6 6.8





#89
 Benzo(k)fluoranthene
 Concen: 2.633 ng
 RT: 23.817 min Scan# 31
 Delta R.T. -0.066 min
 Lab File: BG054608.D
 Acq: 11 Aug 2022 17:10

Instrument :
 BNA_G
 ClientSampleId :
 SB04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	5.7	4.8	7.2

