

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081222\
 Data File : BG054628.D
 Acq On : 12 Aug 2022 18:55
 Operator : CG/JU
 Sample : N4185-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP3

Quant Time: Aug 13 00:40:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 13 00:32:40 2022
 Response via : Initial Calibration

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

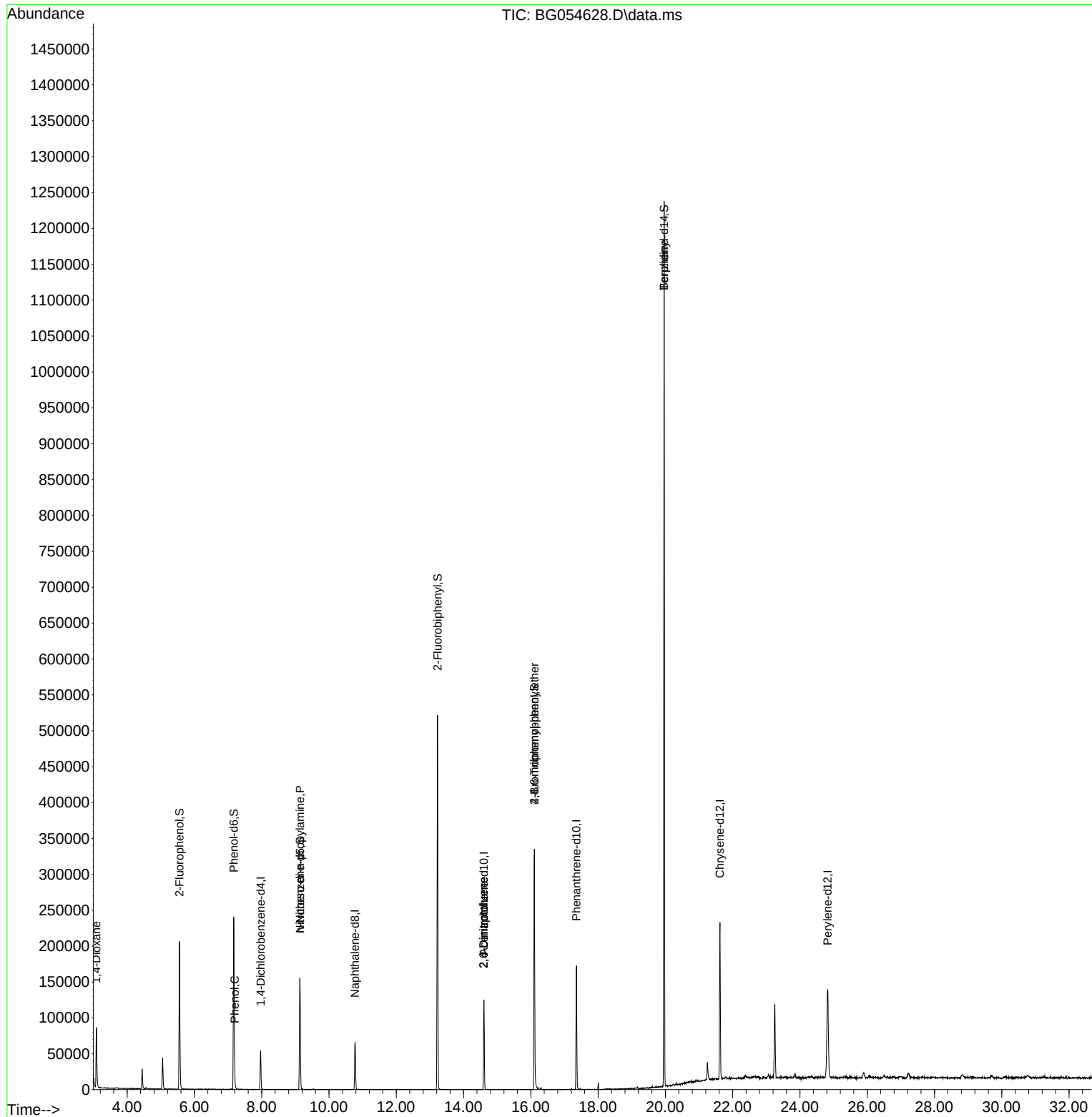
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.967	152	16836	20.000	ng	0.00
21) Naphthalene-d8	10.776	136	63636	20.000	ng	# 0.00
39) Acenaphthene-d10	14.606	164	49487	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	131667	20.000	ng	# 0.00
76) Chrysene-d12	21.622	240	156257	20.000	ng	# 0.00
86) Perylene-d12	24.824	264	162731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	95870	118.891	ng	0.00
7) Phenol-d6	7.168	99	138646	125.480	ng	0.00
23) Nitrobenzene-d5	9.136	82	101659	86.996	ng	0.00
42) 2,4,6-Tribromophenol	16.105	330	96118	92.506	ng	0.00
45) 2-Fluorobiphenyl	13.226	172	301299	85.889	ng	0.00
79) Terphenyl-d14	19.965	244	699481	88.804	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.085	88	907	2.827	ng	# 1
9) Benzaldehyde	7.162	77	135	Below Cal		# 10
10) Phenol	7.197	94	2341	2.132	ng	# 71
19) n-Nitroso-di-n-propyla...	9.136	70	14801	20.060	ng	# 85
51) 2,6-Dinitrotoluene	14.601	165	7076	8.346	ng	# 16
57) 2,4-Dinitrotoluene	14.601	165	7076	5.822	ng	# 21
67) 4-Bromophenyl-phenylether	16.105	248	5789	3.131	ng	# 1
77) Benzidine	19.965	184	8996	3.179	ng	# 94

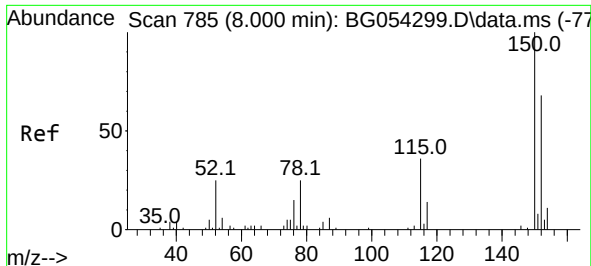
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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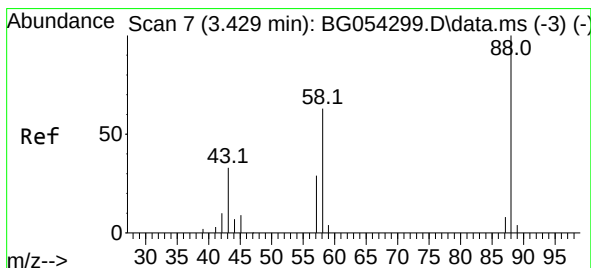
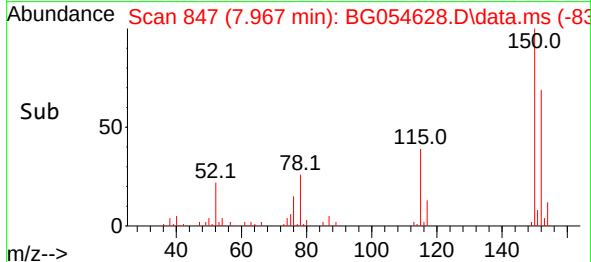
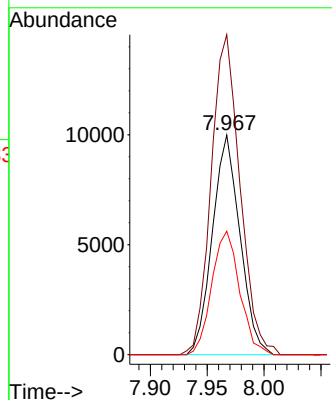
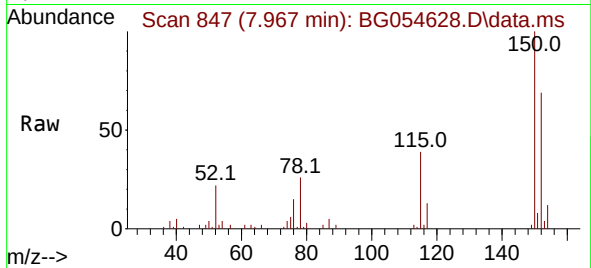




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.967 min Scan# 84
 Delta R.T. -0.001 min
 Lab File: BG054628.D
 Acq: 12 Aug 2022 18:55

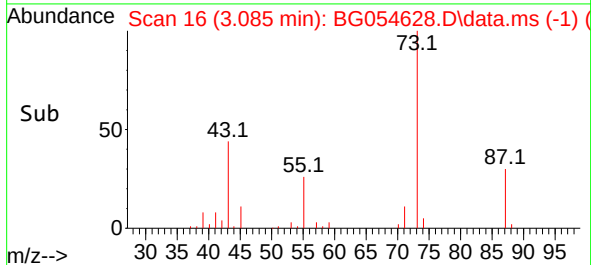
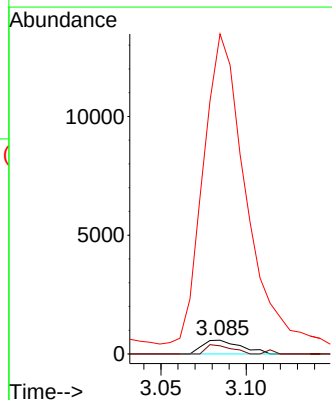
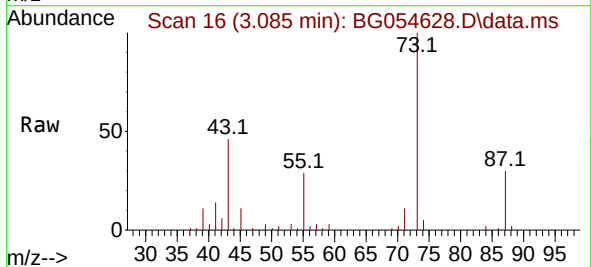
Instrument :
 BNA_G
 ClientSampleId :
 COMP3

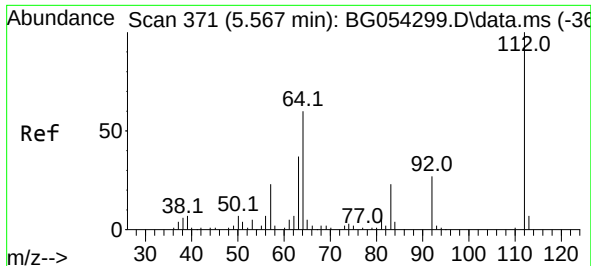
Tgt Ion:152 Resp: 16836
 Ion Ratio Lower Upper
 152 100
 150 145.7 131.6 197.4
 115 56.3 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.827 ng
 RT: 3.085 min Scan# 16
 Delta R.T. -0.306 min
 Lab File: BG054628.D
 Acq: 12 Aug 2022 18:55

Tgt Ion: 88 Resp: 907
 Ion Ratio Lower Upper
 88 100
 58 43.3 59.2 88.8#
 43 2505.2 24.3 36.5#

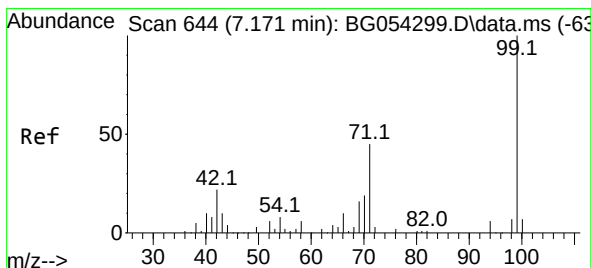
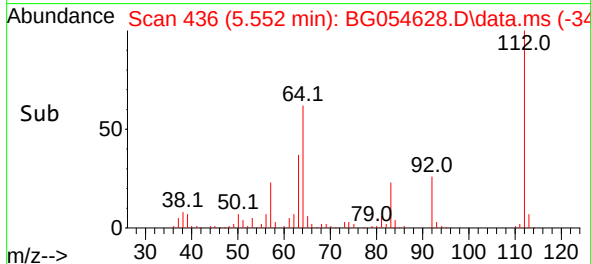
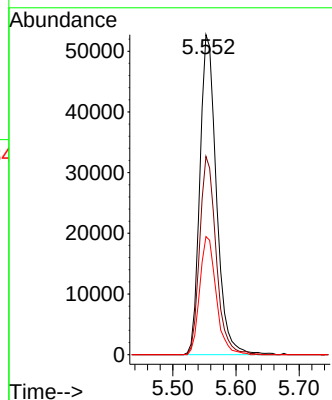
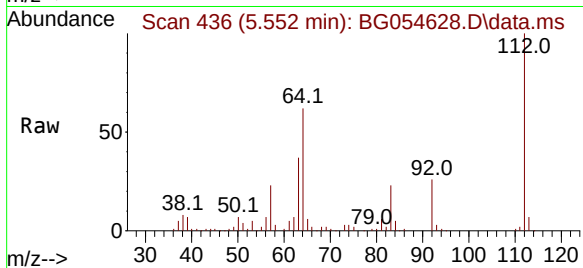




#5
2-Fluorophenol
Concen: 118.891 ng
RT: 5.552 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

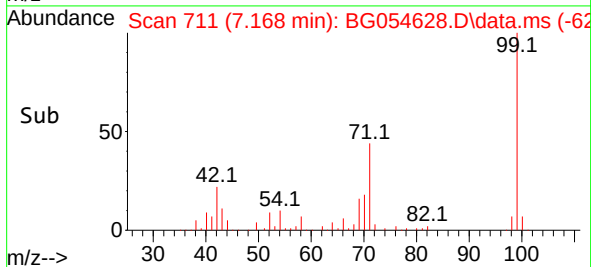
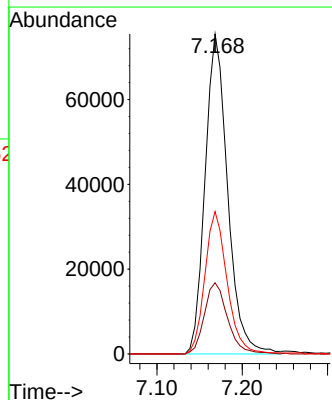
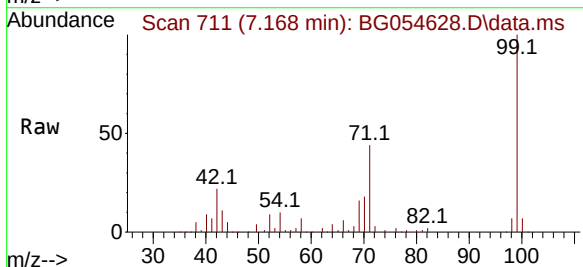
Instrument :
BNA_G
ClientSampleId :
COMP3

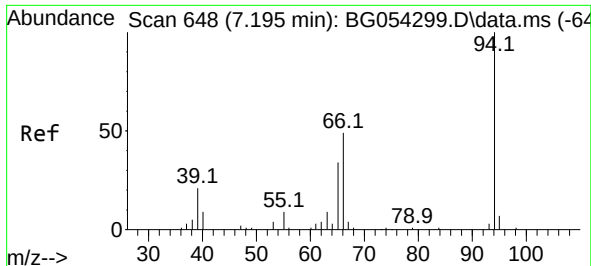
Tgt Ion:112 Resp: 95870
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 36.9 30.4 45.6



#7
Phenol-d6
Concen: 125.480 ng
RT: 7.168 min Scan# 711
Delta R.T. -0.001 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

Tgt Ion: 99 Resp: 138646
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 44.5 33.8 50.8

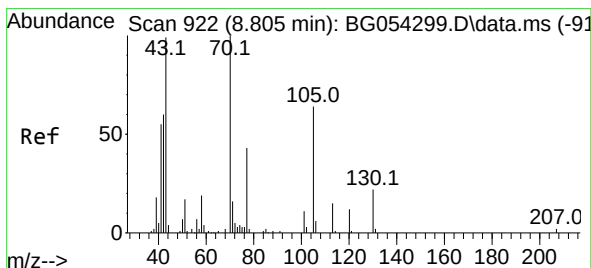
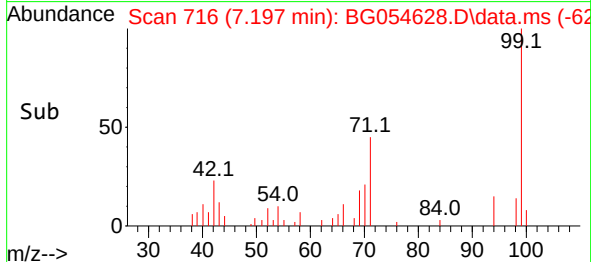
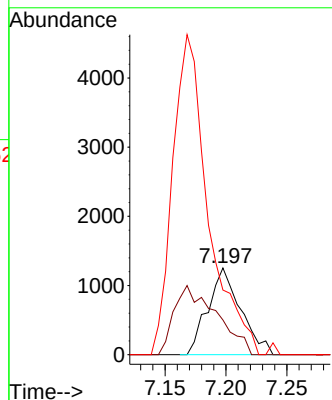
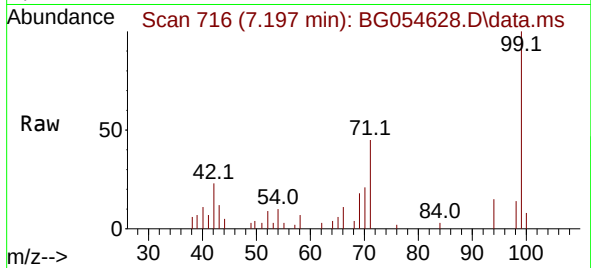




#10
Phenol
Concen: 2.132 ng
RT: 7.197 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

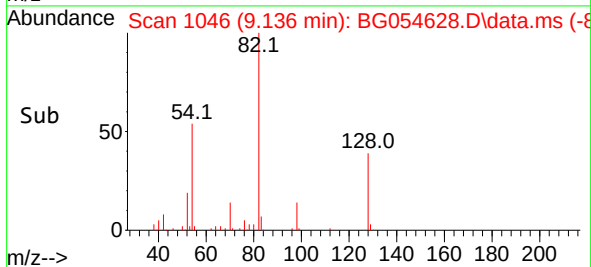
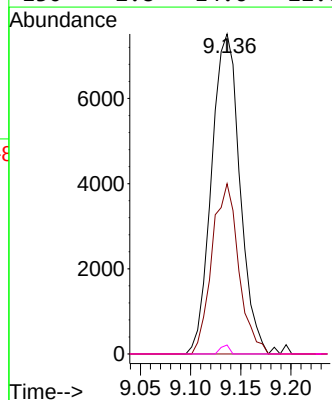
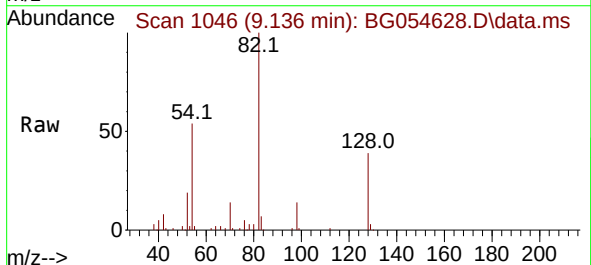
Instrument :
BNA_G
ClientSampleId :
COMP3

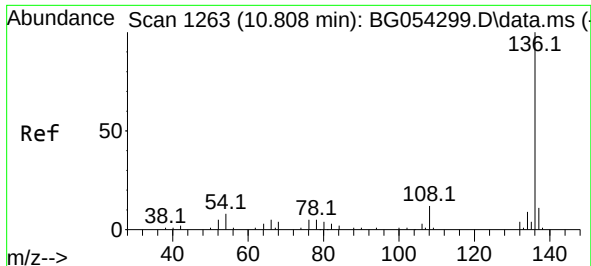
Tgt Ion: 94 Resp: 2341
Ion Ratio Lower Upper
94 100
65 40.1 14.8 54.8
66 74.6 25.2 65.2#



#19
n-Nitroso-di-n-propylamine
Concen: 20.060 ng
RT: 9.136 min Scan# 1046
Delta R.T. 0.358 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

Tgt Ion: 70 Resp: 14801
Ion Ratio Lower Upper
70 100
42 53.2 47.3 70.9
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#

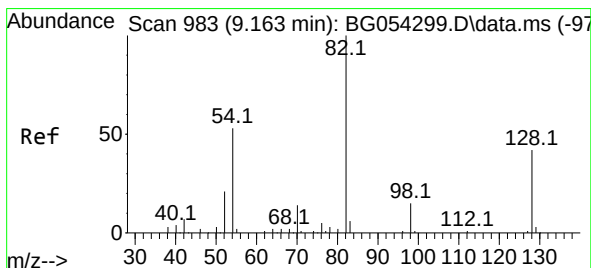
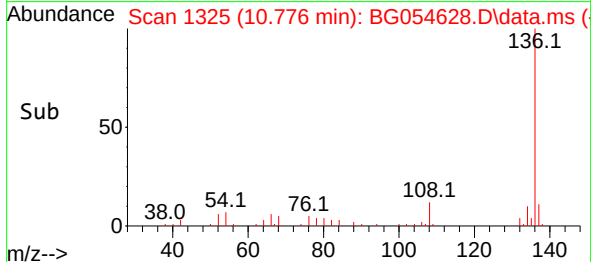
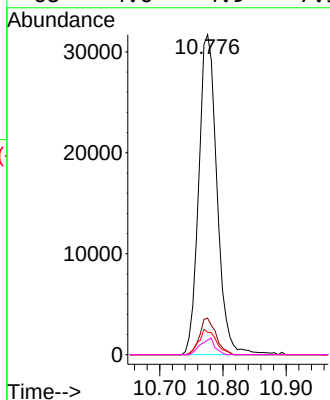
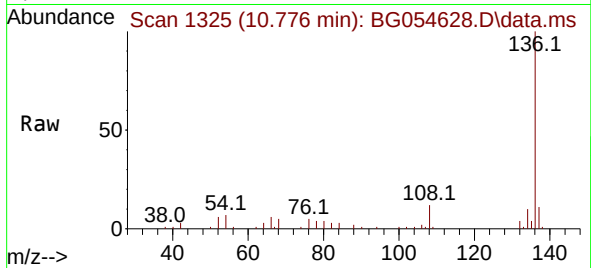




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.776 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

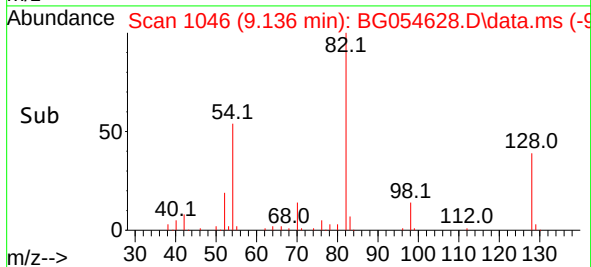
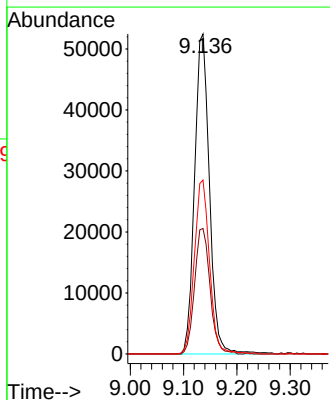
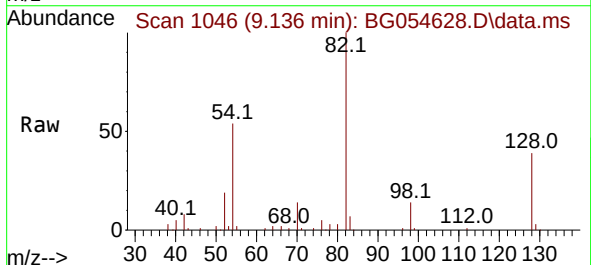
Instrument :
BNA_G
ClientSampleId :
COMP3

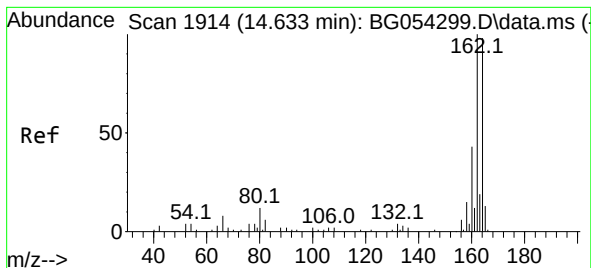
Tgt Ion:	136	Resp:	63636
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	7.0	7.4	11.2#
68	4.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 86.996 ng
RT: 9.136 min Scan# 1046
Delta R.T. -0.001 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

Tgt Ion:	82	Resp:	101659
Ion	Ratio	Lower	Upper
82	100		
128	39.2	27.9	41.9
54	54.3	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.606 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

Instrument :

BNA_G

ClientSampleId :

COMP3

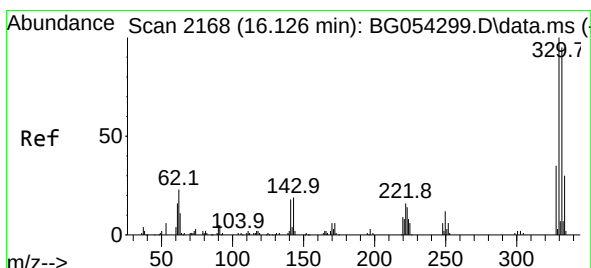
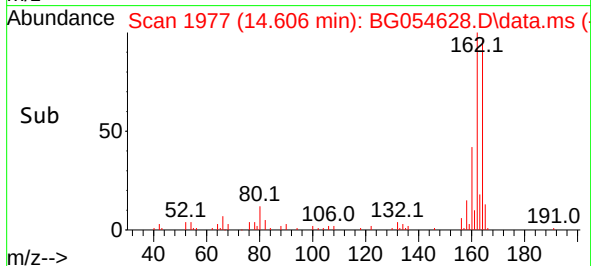
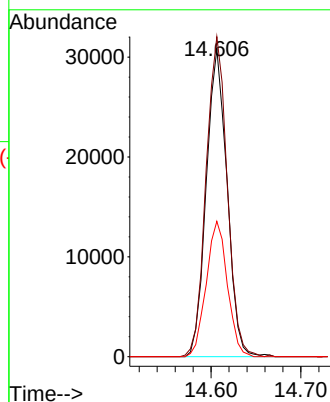
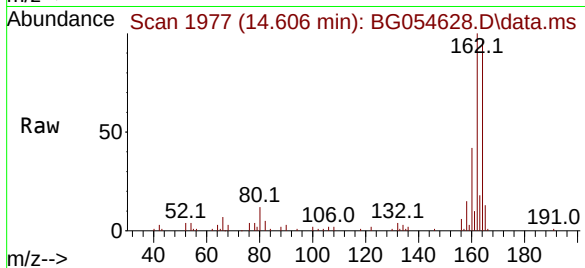
Tgt Ion:164 Resp: 49487

Ion Ratio Lower Upper

164 100

162 104.0 82.3 123.5

160 44.0 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 92.506 ng

RT: 16.105 min Scan# 2232

Delta R.T. -0.007 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

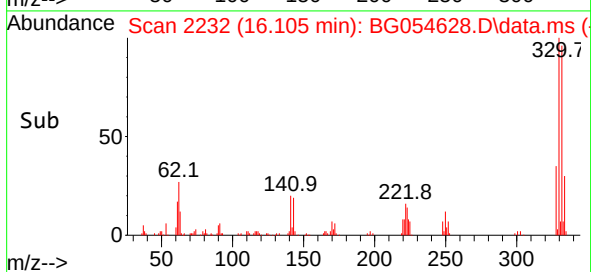
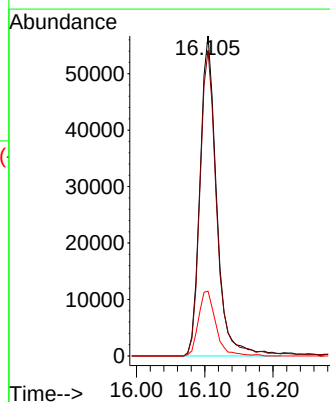
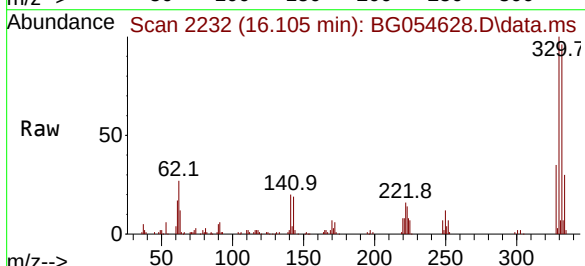
Tgt Ion:330 Resp: 96118

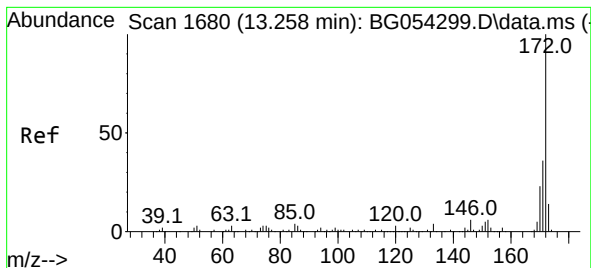
Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 21.1 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 85.889 ng

RT: 13.226 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

Instrument :

BNA_G

ClientSampleId :

COMP3

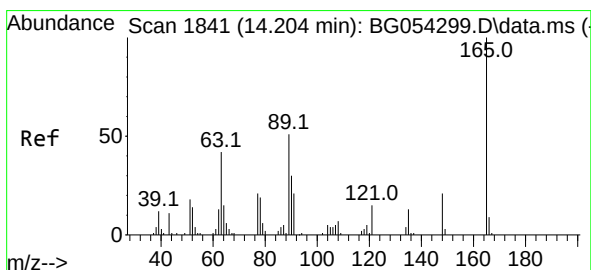
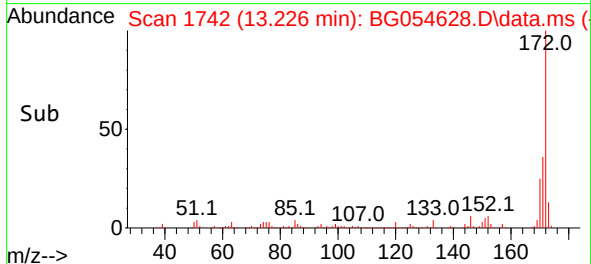
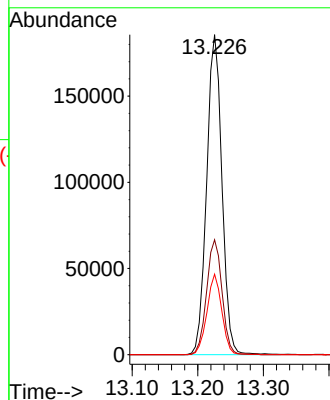
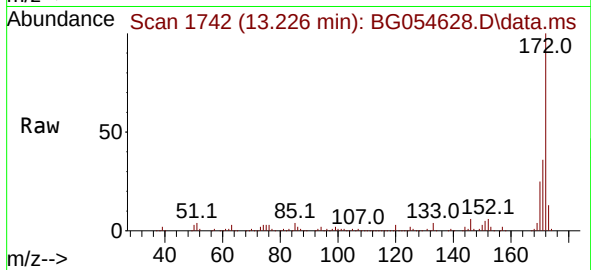
Tgt Ion:172 Resp: 301299

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 25.1 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.346 ng

RT: 14.601 min Scan# 1976

Delta R.T. 0.410 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

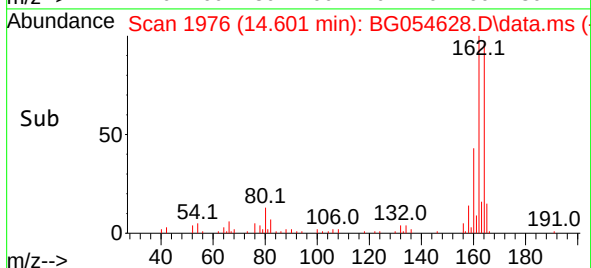
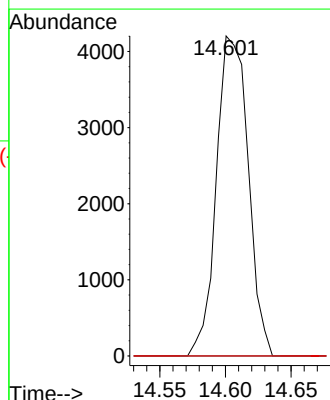
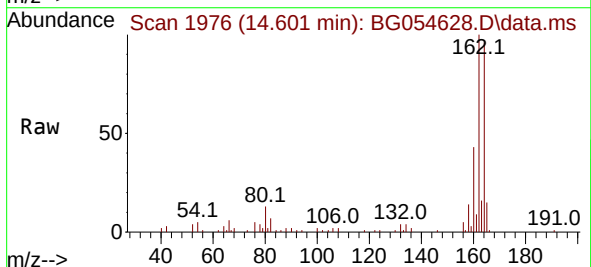
Tgt Ion:165 Resp: 7076

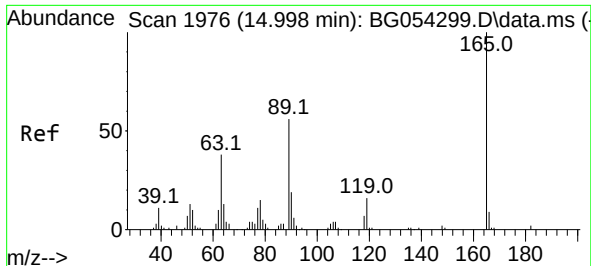
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.822 ng

RT: 14.601 min Scan# 14

Delta R.T. -0.395 min

Lab File: BG054628.D

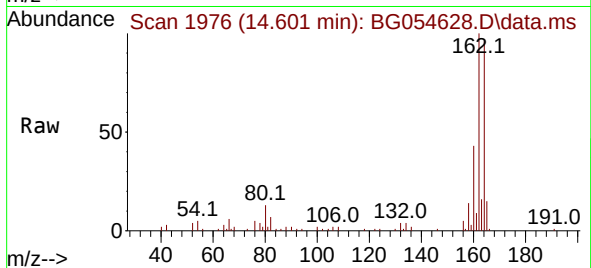
Acq: 12 Aug 2022 18:55

Instrument :

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Tgt Ion:165 Resp: 7076

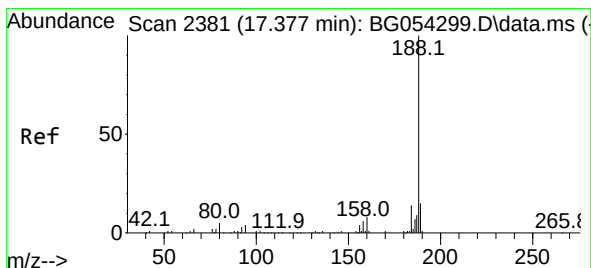
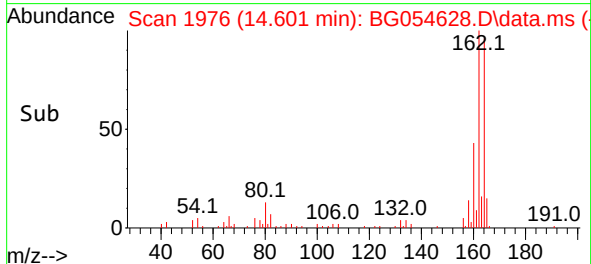
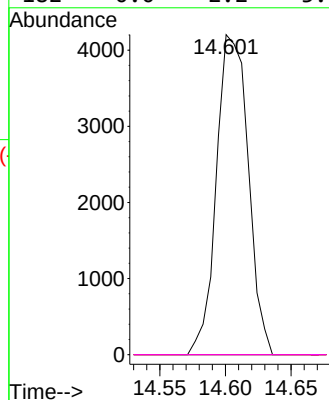
Ion Ratio Lower Upper

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: 17.356 min Scan# 2445

Delta R.T. -0.001 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

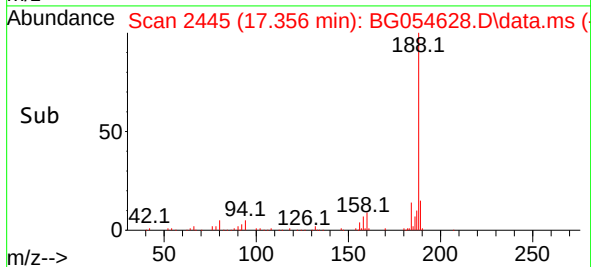
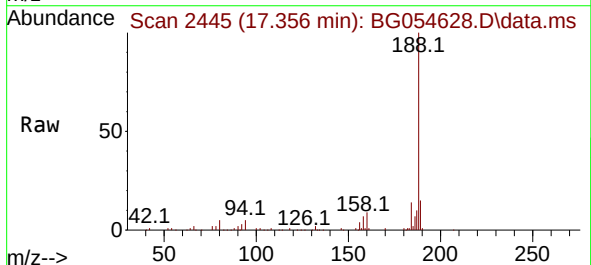
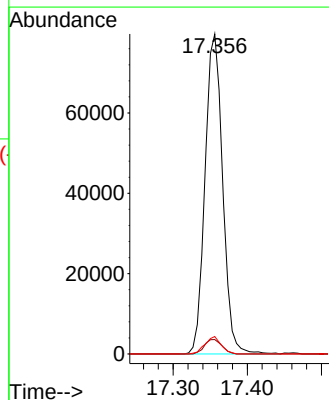
Tgt Ion:188 Resp: 131667

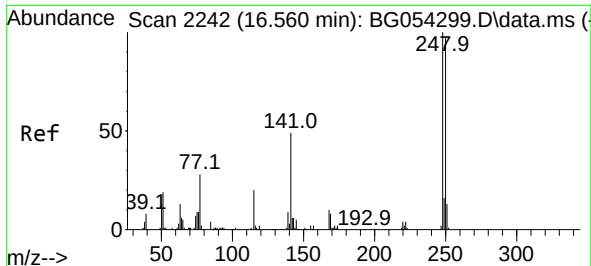
Ion Ratio Lower Upper

188 100

94 4.5 5.4 8.0#

80 5.5 6.8 10.2#

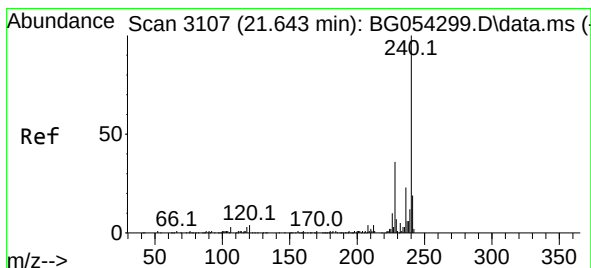
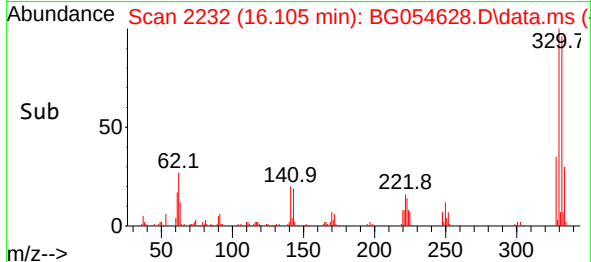
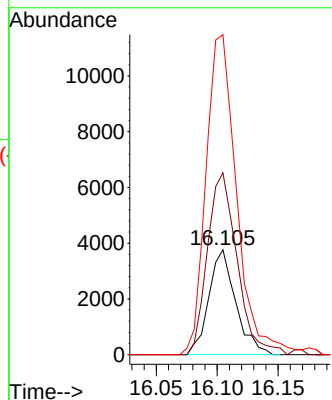
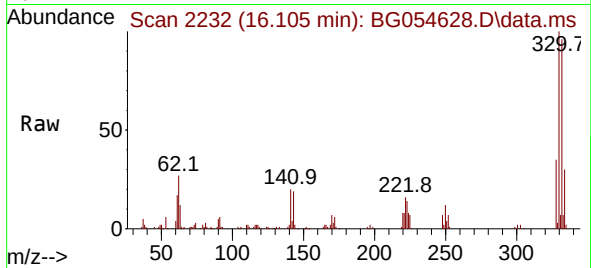




#67
4-Bromophenyl-phenylether
Concen: 3.131 ng
RT: 16.105 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

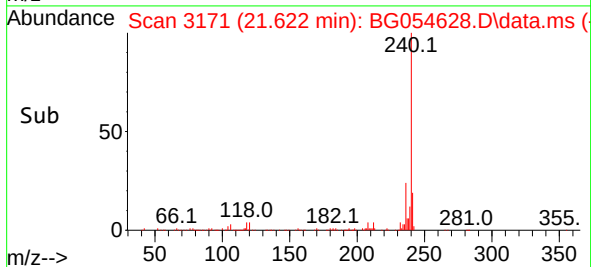
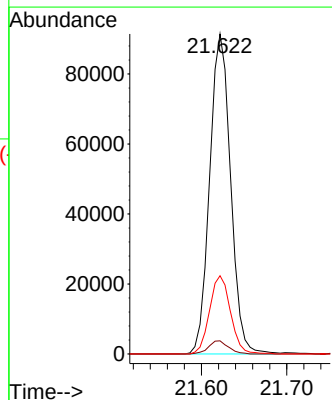
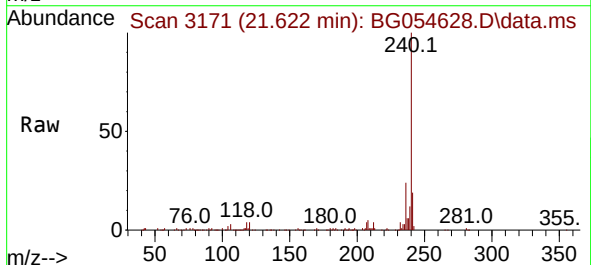
Instrument :
BNA_G
ClientSampleId :
COMP3

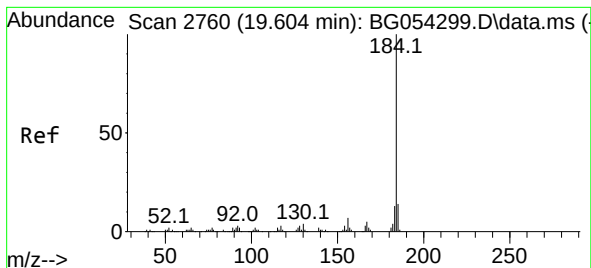
Tgt Ion:248 Resp: 5789
Ion Ratio Lower Upper
248 100
250 179.0 75.2 112.8#
141 240.3 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3171
Delta R.T. -0.007 min
Lab File: BG054628.D
Acq: 12 Aug 2022 18:55

Tgt Ion:240 Resp: 156257
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 24.5 20.2 30.4





#77

Benzidine

Concen: 3.179 ng

RT: 19.965 min Scan# 21

Delta R.T. 0.375 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

Instrument :

BNA_G

ClientSampleId :

COMP3

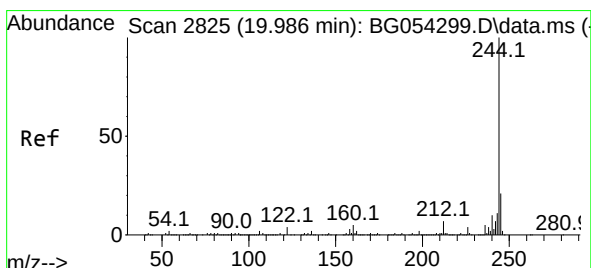
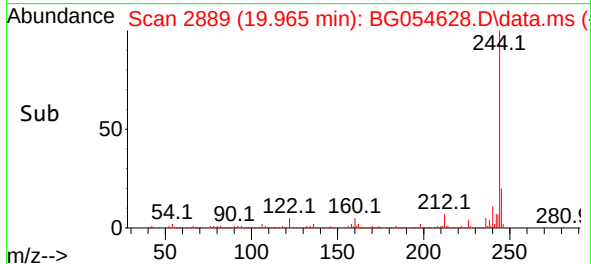
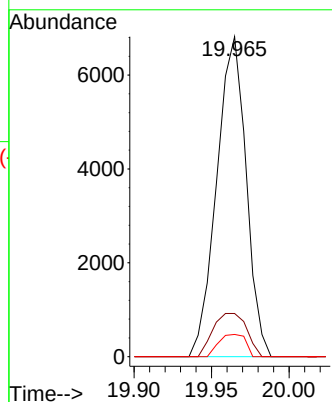
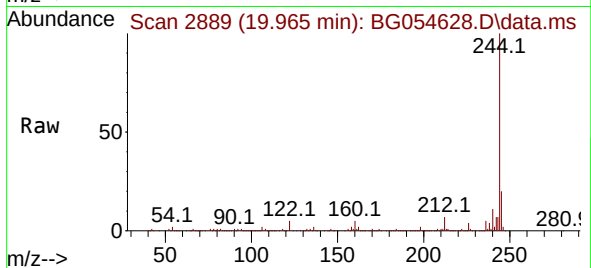
Tgt Ion:184 Resp: 8996

Ion Ratio Lower Upper

184 100

185 13.5 11.8 17.6

183 7.0 8.9 13.3#



#79

Terphenyl-d14

Concen: 88.804 ng

RT: 19.965 min Scan# 2889

Delta R.T. -0.001 min

Lab File: BG054628.D

Acq: 12 Aug 2022 18:55

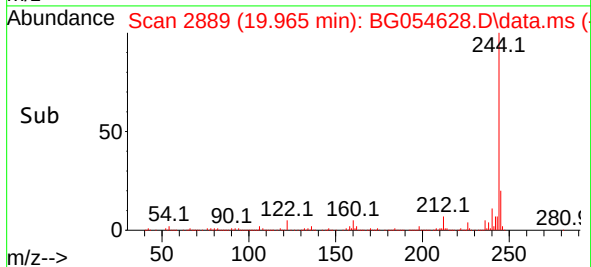
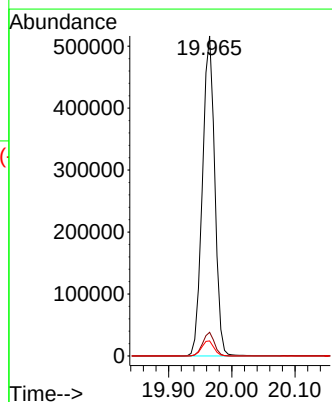
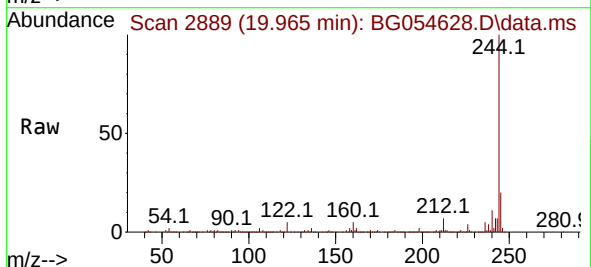
Tgt Ion:244 Resp: 699481

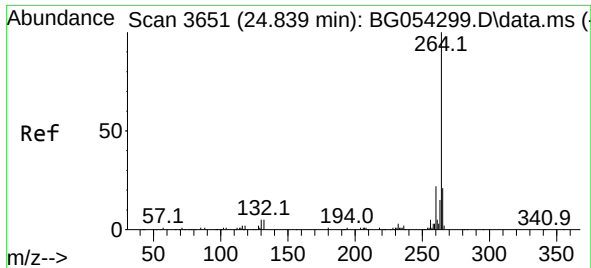
Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

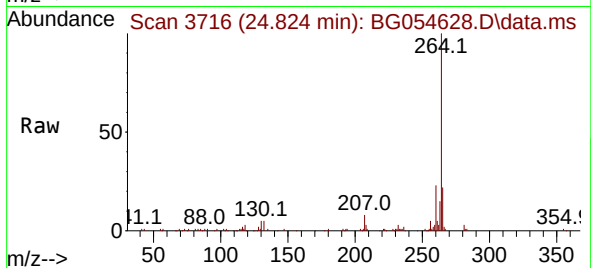
122 4.7 5.0 7.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.824 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054628.D
 Acq: 12 Aug 2022 18:55

Instrument :
 BNA_G
 ClientSampleId :
 COMP3



Tgt Ion:264 Resp: 162731
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 22.4 17.4 26.2

