

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081422\
 Data File : BG054636.D
 Acq On : 14 Aug 2022 17:20
 Operator : CG/JU
 Sample : N4146-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-E1(0-4)

Quant Time: Aug 15 04:20:32 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)

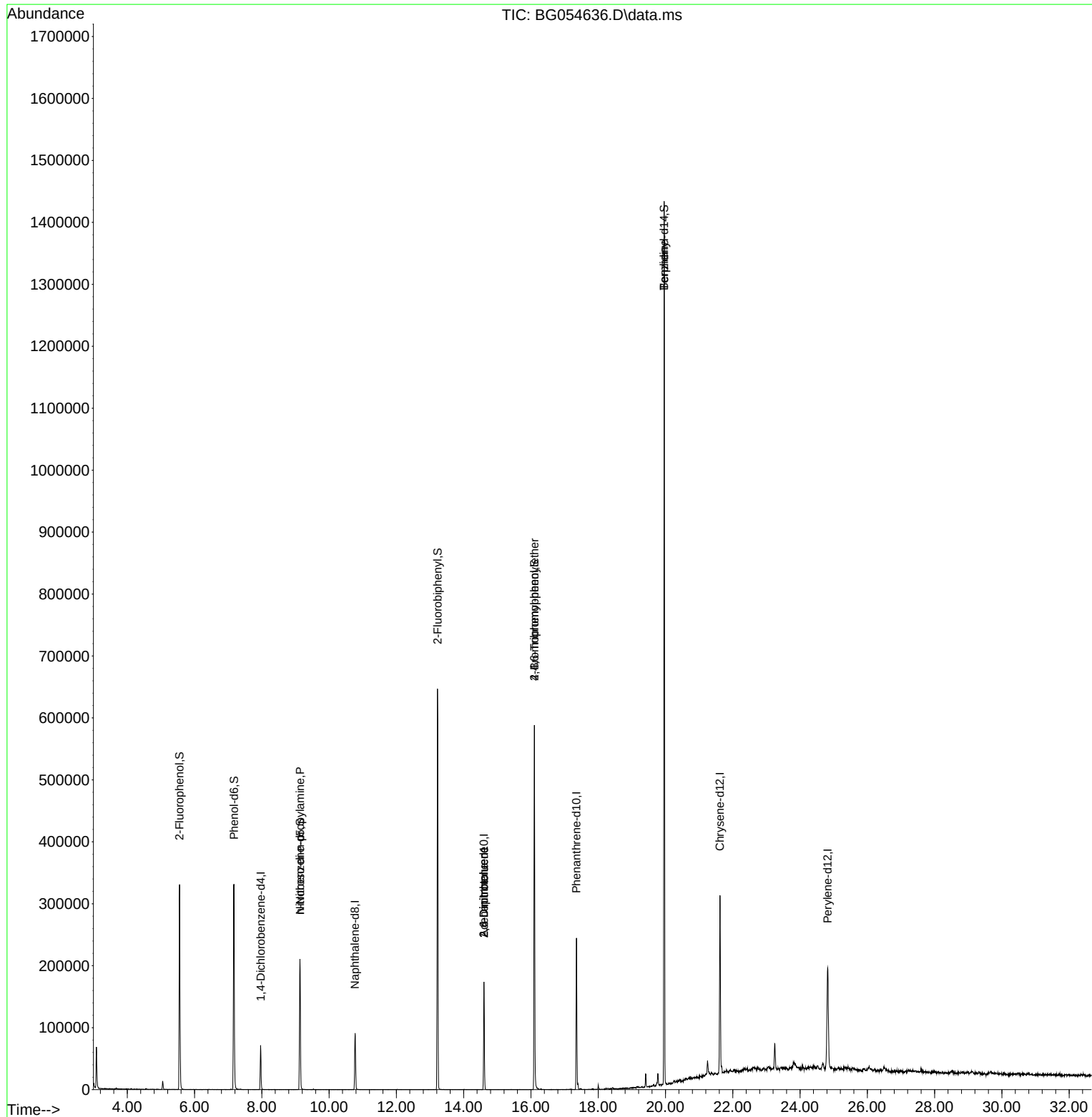
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.964	152	21832	20.000	ng	0.00
21) Naphthalene-d8	10.772	136	86935	20.000	ng	# 0.00
39) Acenaphthene-d10	14.603	164	68168	20.000	ng	0.00
64) Phenanthrene-d10	17.353	188	174413	20.000	ng	# 0.00
76) Chrysene-d12	21.618	240	196235	20.000	ng	# 0.00
86) Perylene-d12	24.821	264	201771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	150029	143.479	ng	0.00
7) Phenol-d6	7.171	99	198145	138.292	ng	0.00
23) Nitrobenzene-d5	9.133	82	131734	82.520	ng	0.00
42) 2,4,6-Tribromophenol	16.101	330	155759	108.825	ng	0.00
45) 2-Fluorobiphenyl	13.222	172	371897	76.962	ng	0.00
79) Terphenyl-d14	19.962	244	797911	80.663	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.165	77	247	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.133	70	19167	20.033	ng	# 80
51) 2,6-Dinitrotoluene	14.603	165	9143	7.829	ng	# 16
57) 2,4-Dinitrotoluene	14.603	165	9143	5.461	ng	# 21
67) 4-Bromophenyl-phenylether	16.101	248	9457	3.861	ng	# 1
77) Benzidine	19.962	184	10821	3.045	ng	# 90

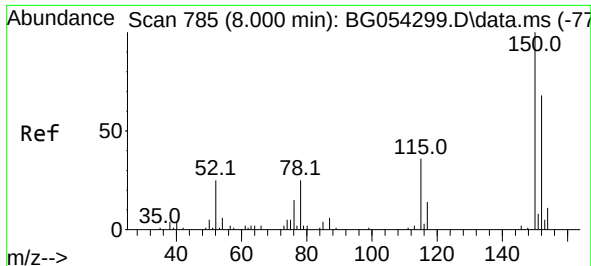
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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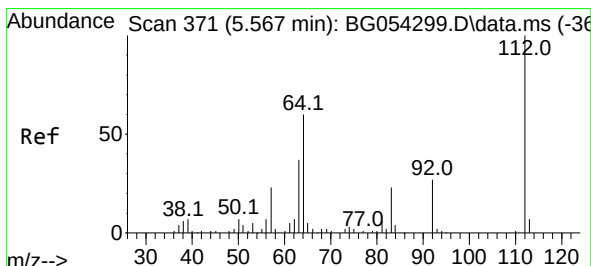
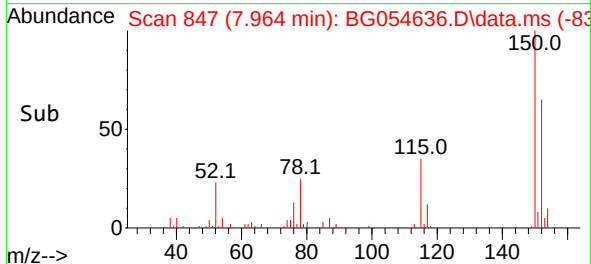
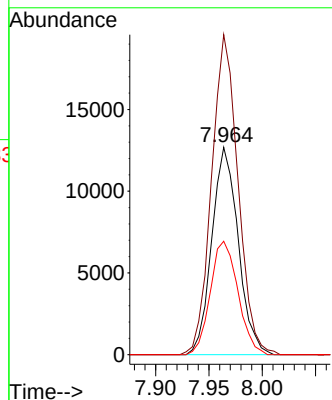
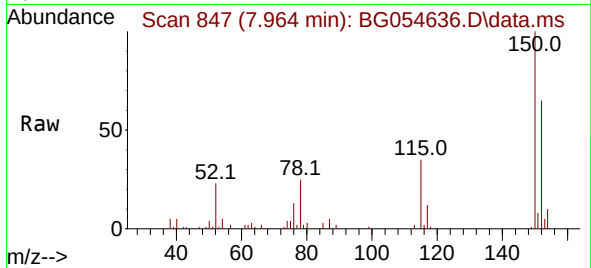




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.964 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

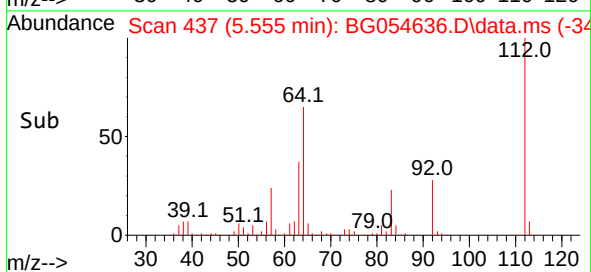
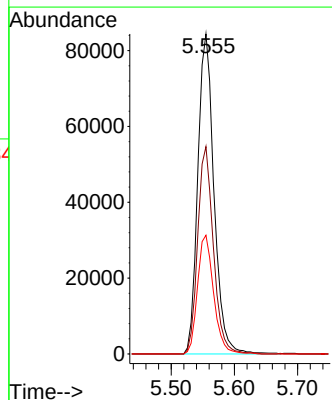
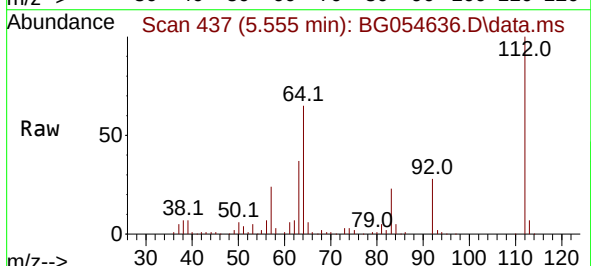
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

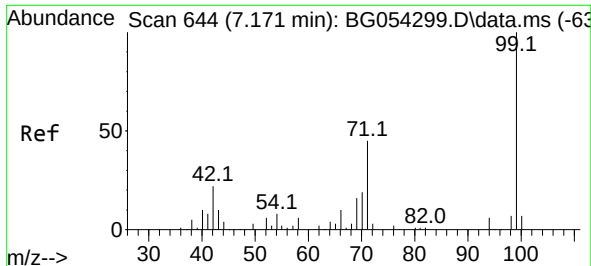
Tgt Ion:152 Resp: 21832
Ion Ratio Lower Upper
152 100
150 154.3 131.6 197.4
115 54.7 50.9 76.3



#5
2-Fluorophenol
Concen: 143.479 ng
RT: 5.555 min Scan# 437
Delta R.T. 0.002 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion:112 Resp: 150029
Ion Ratio Lower Upper
112 100
64 64.8 55.1 82.7
63 37.1 30.4 45.6

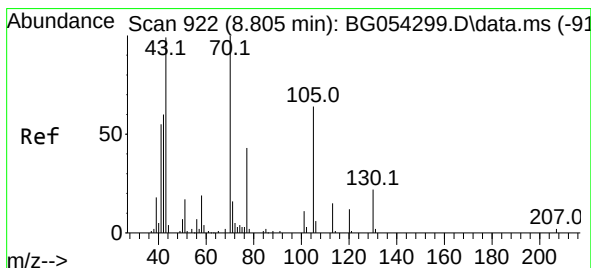
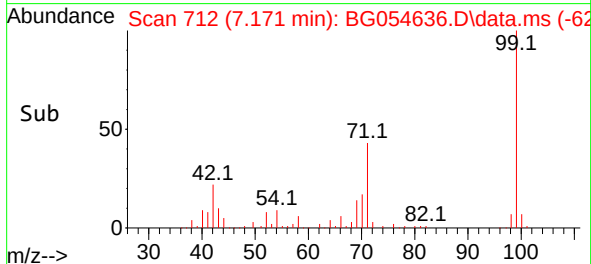
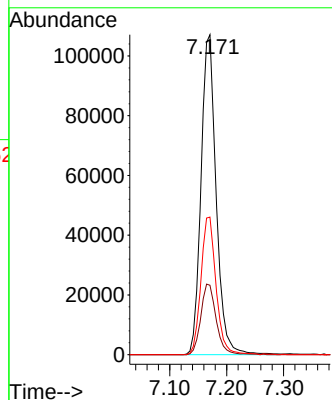
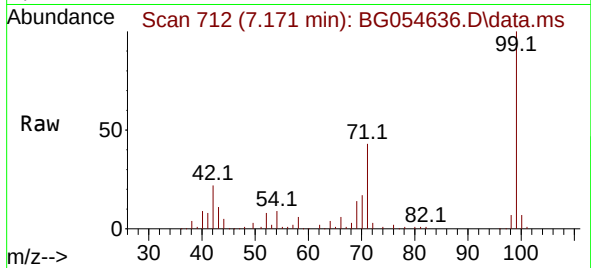




#7
Phenol-d6
Concen: 138.292 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

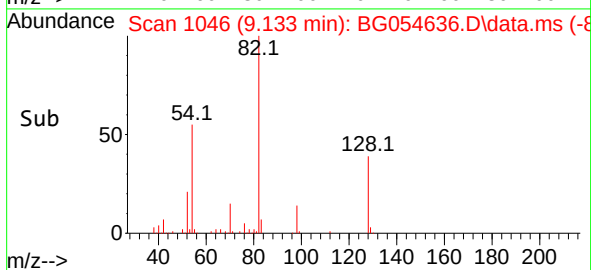
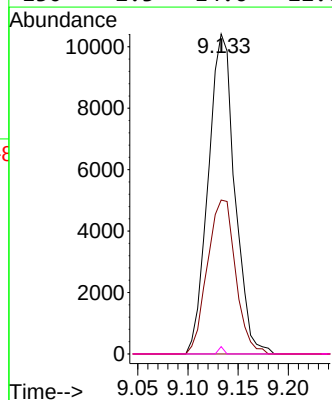
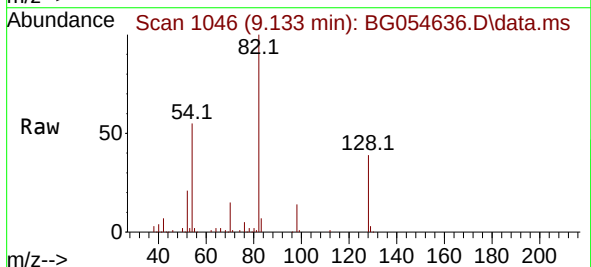
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

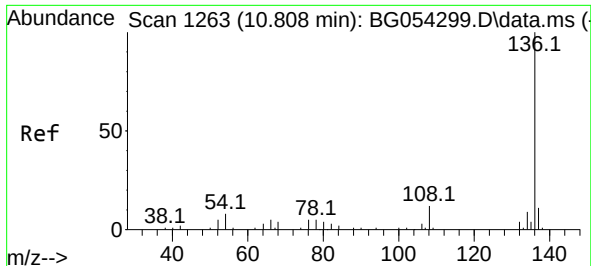
Tgt Ion: 99 Resp: 198145
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.033 ng
RT: 9.133 min Scan# 1046
Delta R.T. 0.354 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion: 70 Resp: 19167
Ion Ratio Lower Upper
70 100
42 48.1 47.3 70.9
101 0.0 7.0 10.4#
130 2.3 14.6 22.0#

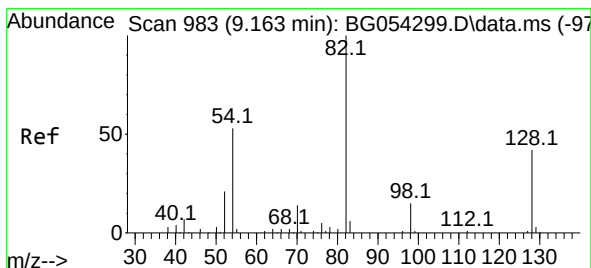
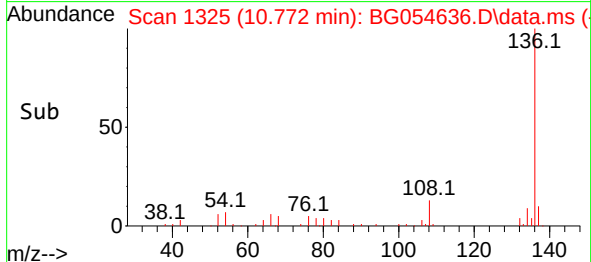
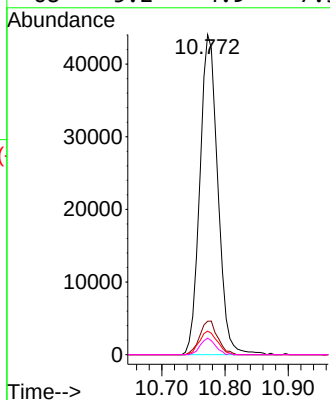
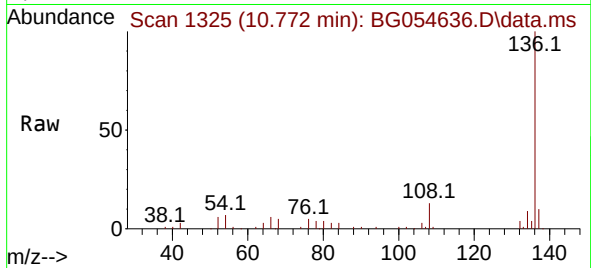




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.772 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

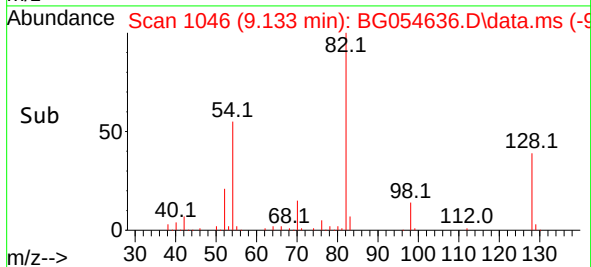
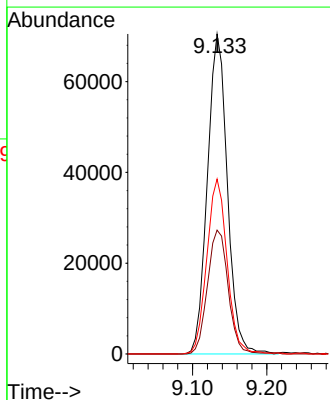
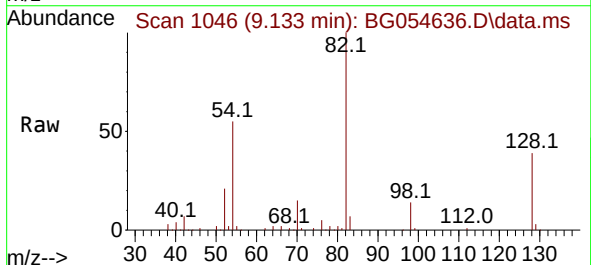
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

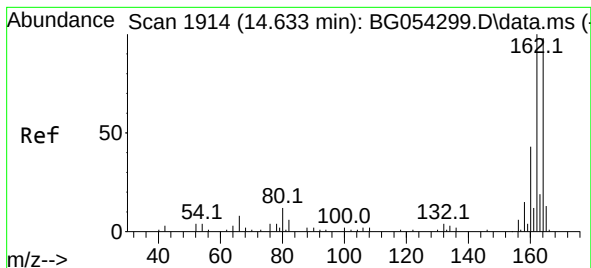
Tgt Ion:	136	Resp:	86935
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	7.4	7.4	11.2#
68	5.2	4.9	7.3



#23
Nitrobenzene-d5
Concen: 82.520 ng
RT: 9.133 min Scan# 1046
Delta R.T. -0.004 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion:	82	Resp:	131734
Ion Ratio	Lower	Upper	
82	100		
128	38.7	27.9	41.9
54	54.6	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.603 min Scan# 1914

Delta R.T. -0.004 min

Lab File: BG054636.D

Acq: 14 Aug 2022 17:20

Instrument :

BNA_G

ClientSampleId :

WC-E1(0-4)

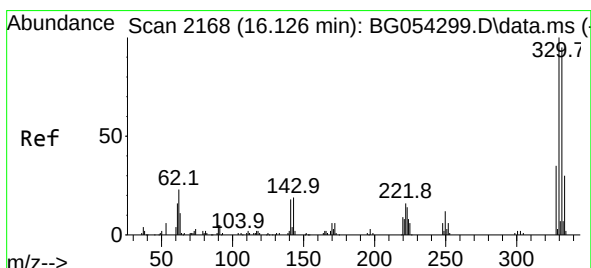
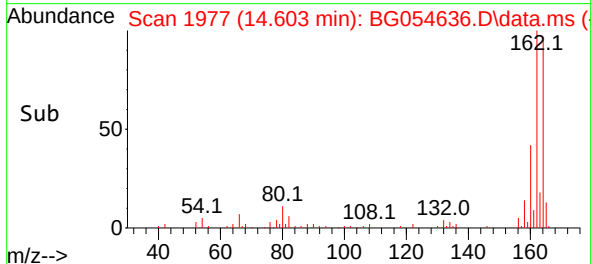
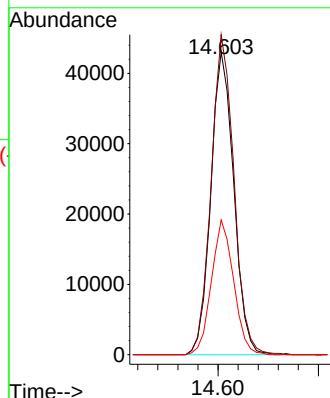
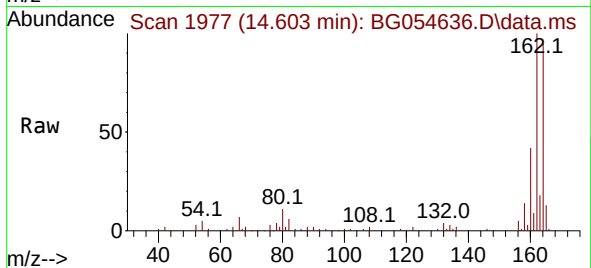
Tgt Ion:164 Resp: 68168

Ion Ratio Lower Upper

164 100

162 105.7 82.3 123.5

160 44.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 108.825 ng

RT: 16.101 min Scan# 2232

Delta R.T. -0.010 min

Lab File: BG054636.D

Acq: 14 Aug 2022 17:20

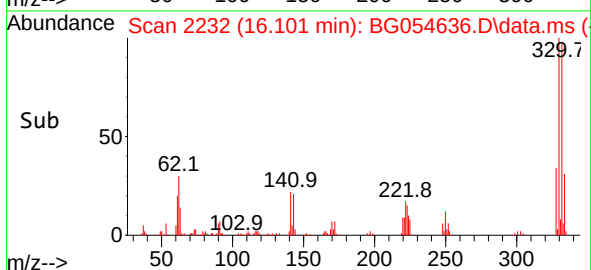
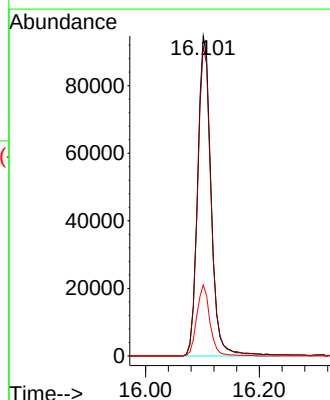
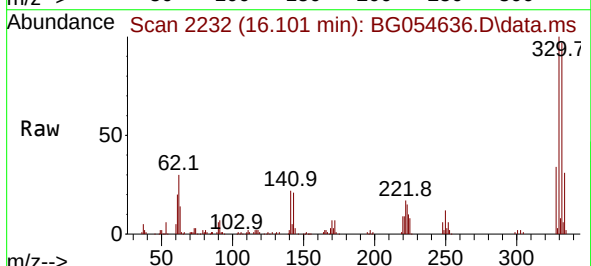
Tgt Ion:330 Resp: 155759

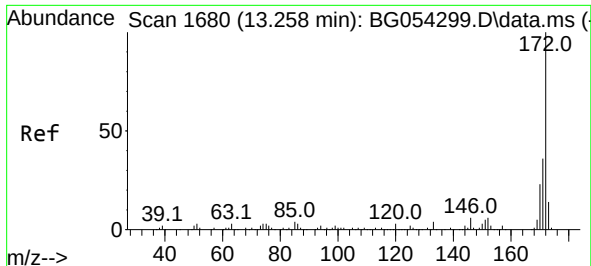
Ion Ratio Lower Upper

330 100

332 97.9 76.0 114.0

141 21.6 27.1 40.7#

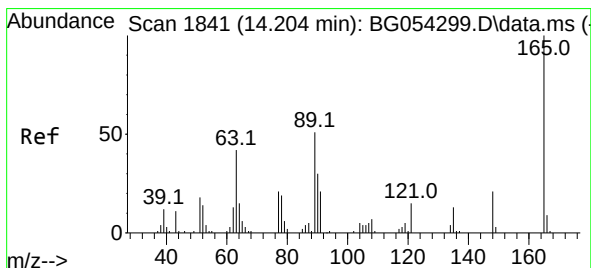
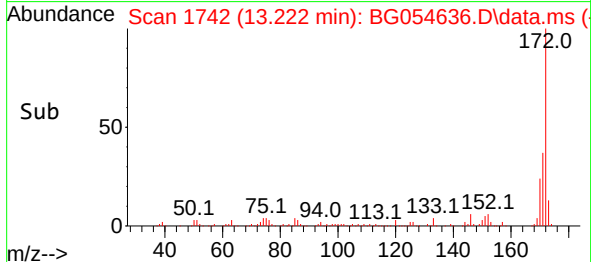
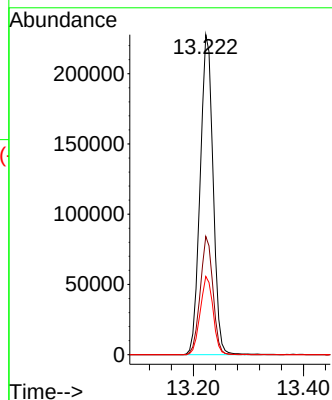
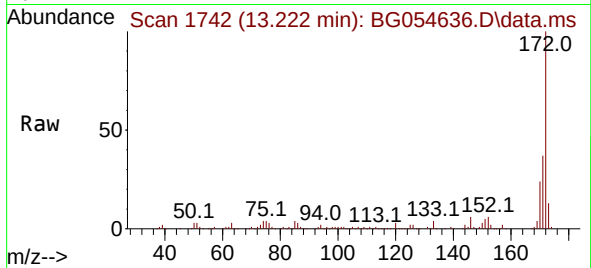




#45
2-Fluorobiphenyl
Concen: 76.962 ng
RT: 13.222 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

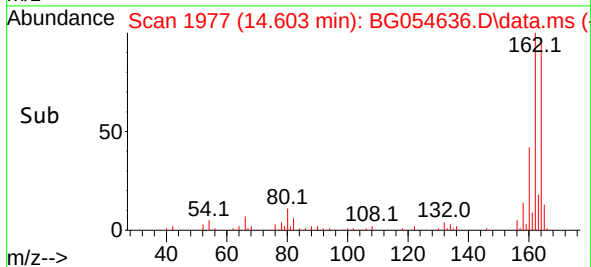
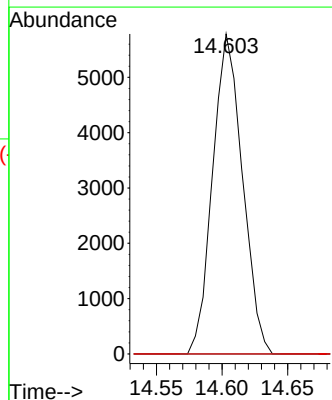
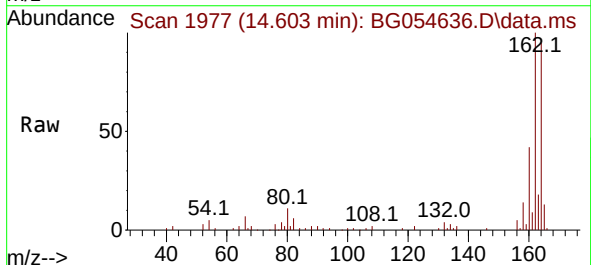
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

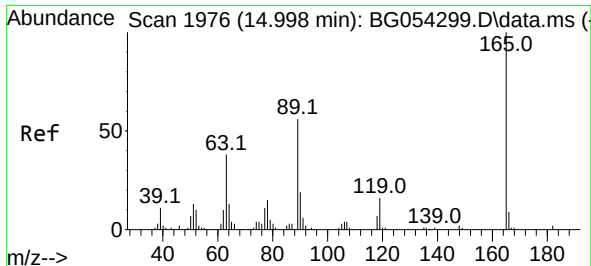
Tgt Ion:172 Resp: 371897
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.829 ng
RT: 14.603 min Scan# 1977
Delta R.T. 0.413 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion:165 Resp: 9143
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

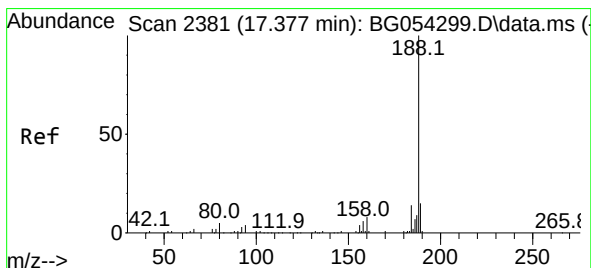
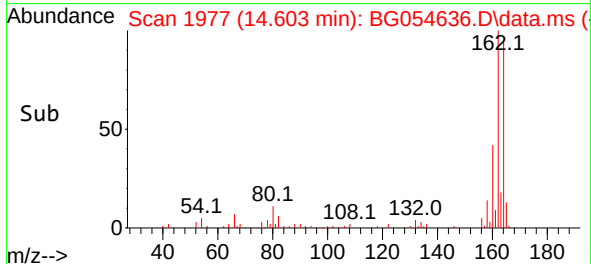
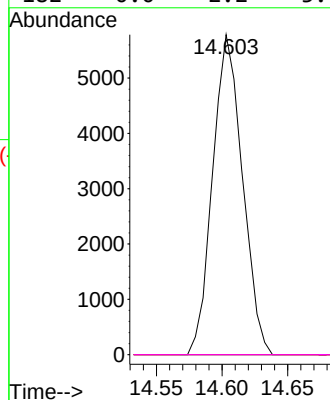
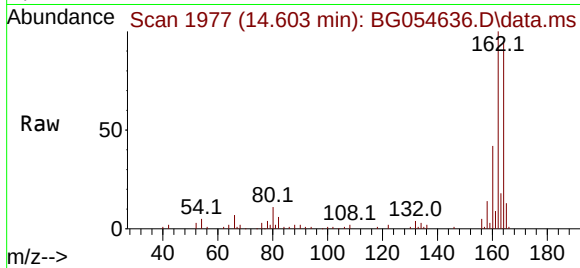




#57
2,4-Dinitrotoluene
Concen: 5.461 ng
RT: 14.603 min Scan# 14
Delta R.T. -0.392 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

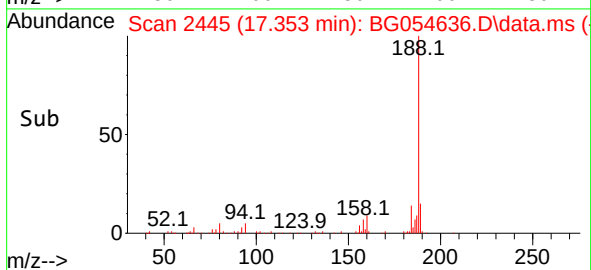
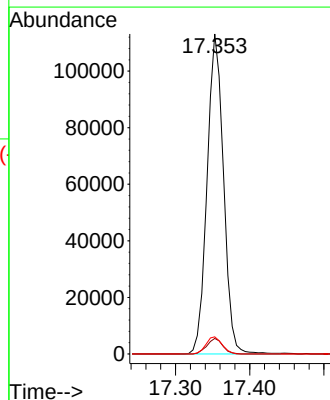
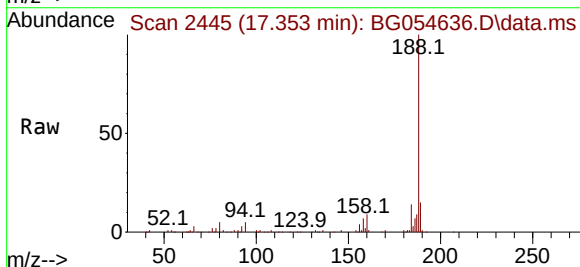
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

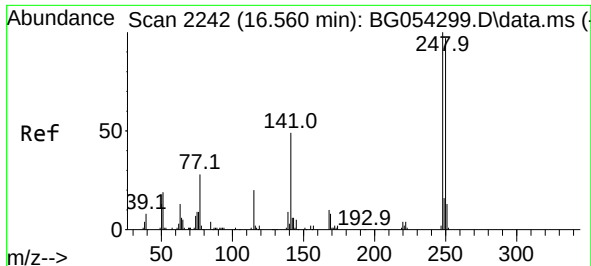
Tgt Ion:165	Resp:	9143
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.004 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion:188	Resp:	174413
Ion Ratio	Lower	Upper
188	100	
94	4.9	5.4
80	5.4	6.8

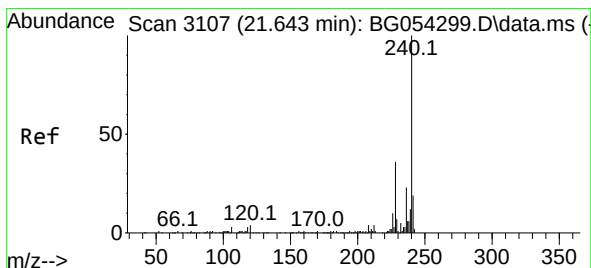
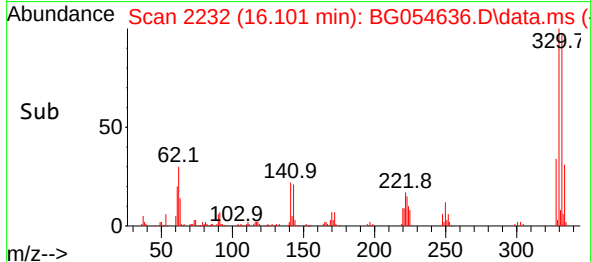
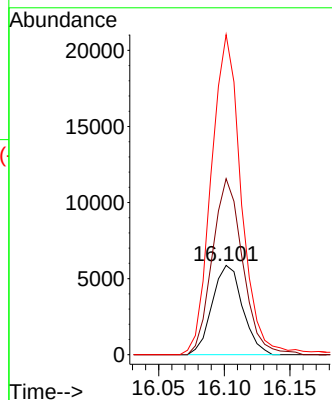
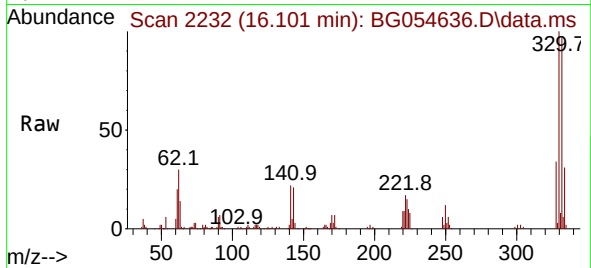




#67
4-Bromophenyl-phenylether
Concen: 3.861 ng
RT: 16.101 min Scan# 21
Delta R.T. -0.439 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

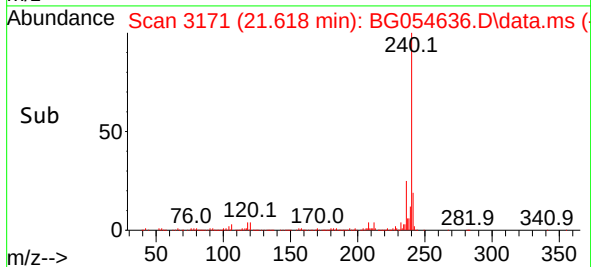
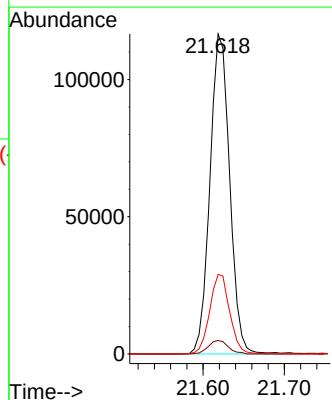
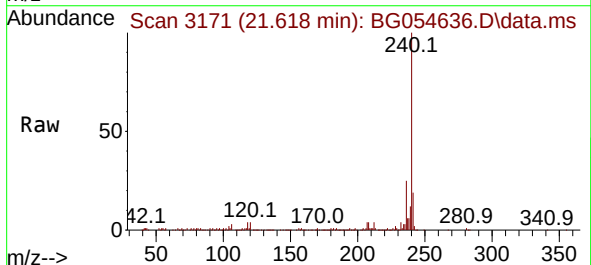
Instrument :
BNA_G
ClientSampleId :
WC-E1(0-4)

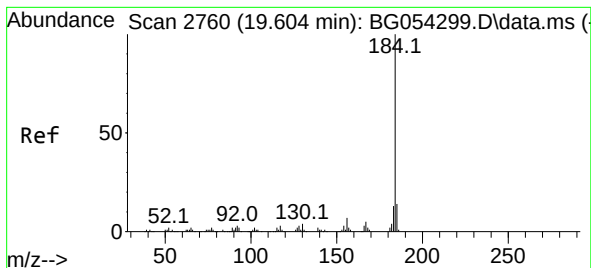
Tgt Ion:248 Resp: 9457
Ion Ratio Lower Upper
248 100
250 197.2 75.2 112.8#
141 358.5 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3171
Delta R.T. -0.010 min
Lab File: BG054636.D
Acq: 14 Aug 2022 17:20

Tgt Ion:240 Resp: 196235
Ion Ratio Lower Upper
240 100
120 4.2 4.6 7.0#
236 24.9 20.2 30.4





#77

Benzidine

Concen: 3.045 ng

RT: 19.962 min Scan# 21

Delta R.T. 0.372 min

Lab File: BG054636.D

Acq: 14 Aug 2022 17:20

Instrument :

BNA_G

ClientSampleId :

WC-E1(0-4)

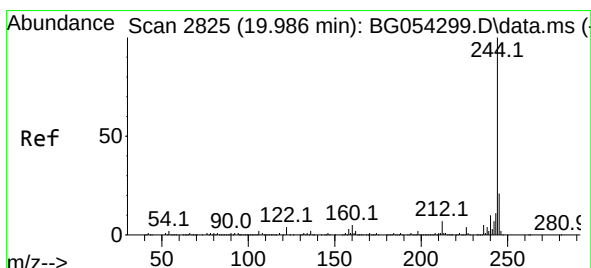
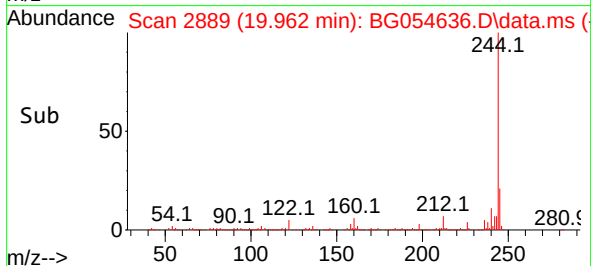
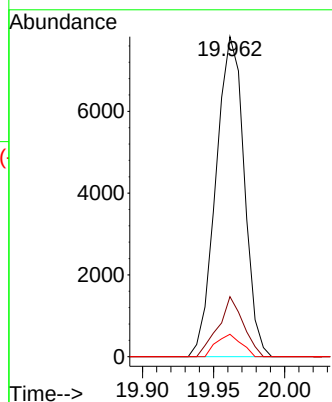
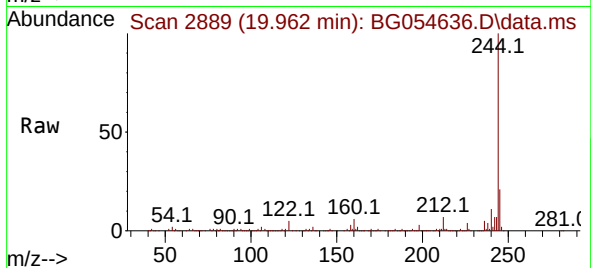
Tgt Ion:184 Resp: 10821

Ion Ratio Lower Upper

184 100

185 18.7 11.8 17.6#

183 7.0 8.9 13.3#



#79

Terphenyl-d14

Concen: 80.663 ng

RT: 19.962 min Scan# 2889

Delta R.T. -0.004 min

Lab File: BG054636.D

Acq: 14 Aug 2022 17:20

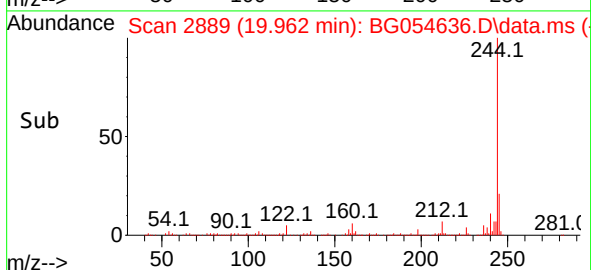
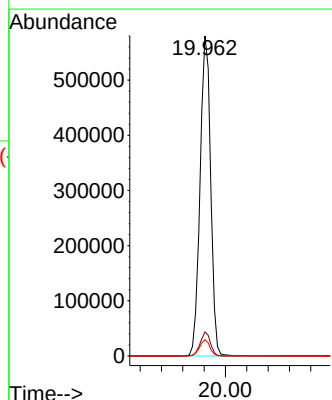
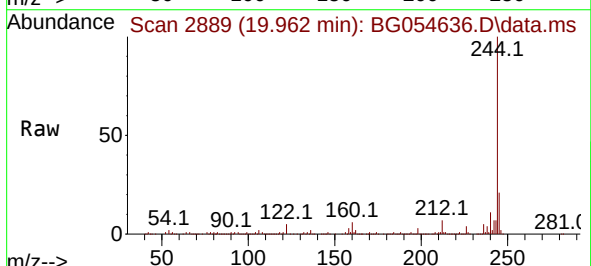
Tgt Ion:244 Resp: 797911

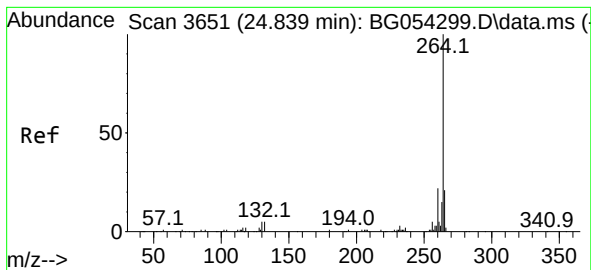
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 5.1 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.821 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG054636.D

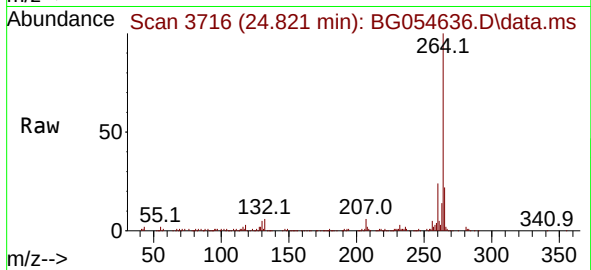
Acq: 14 Aug 2022 17:20

Instrument :

BNA_G

ClientSampleId :

WC-E1(0-4)



Tgt Ion:264 Resp: 201771

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 22.5 17.4 26.2

