

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060116.D
 Acq On : 21 Dec 2023 2:37
 Operator : MA/JU
 Sample : 05887-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-121423

Quant Time: Dec 21 04:22:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

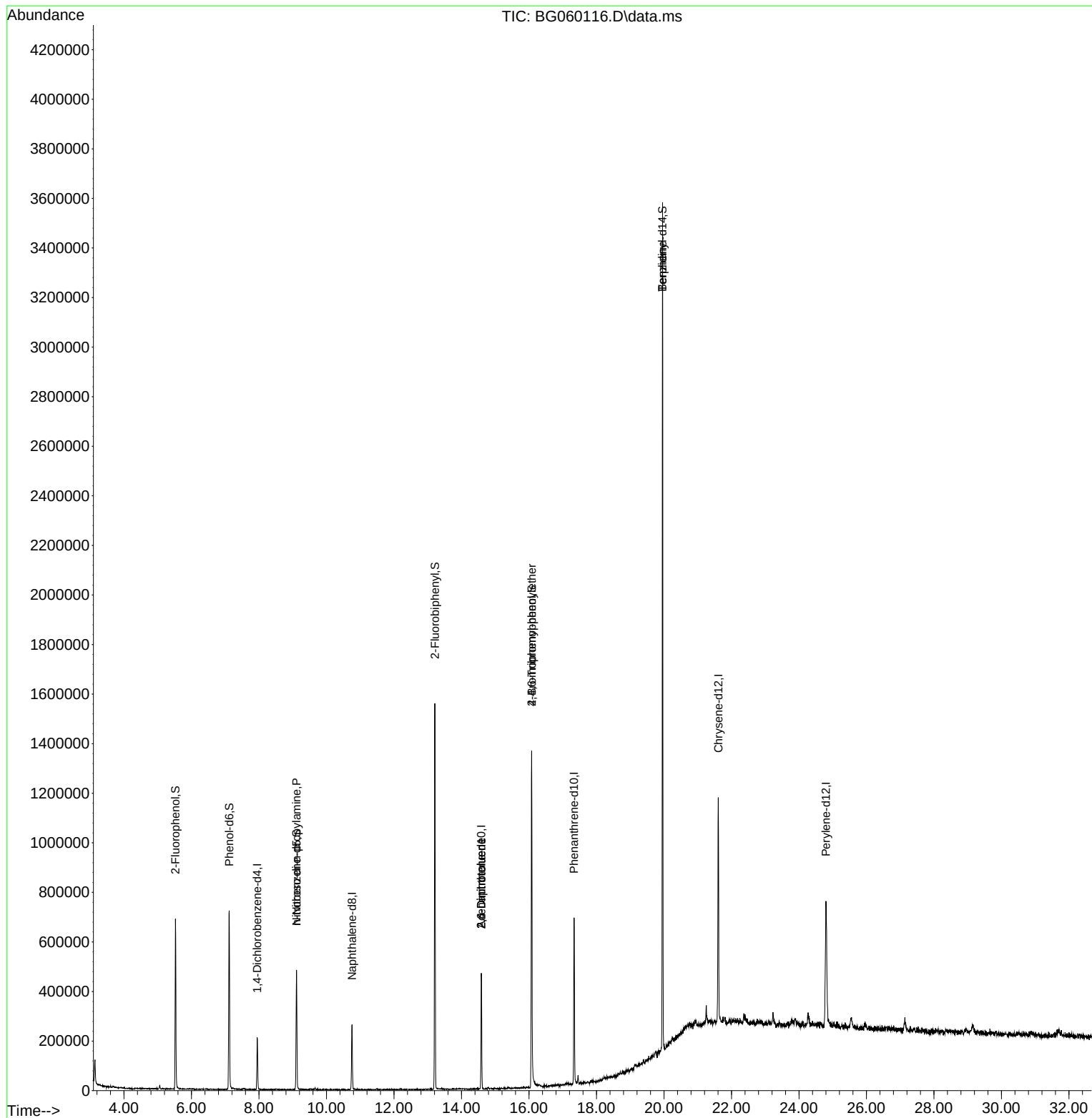
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	51514	20.000	ng	-0.01
21) Naphthalene-d8	10.756	136	174854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.587	164	157365	20.000	ng	-0.01
64) Phenanthrene-d10	17.337	188	476085	20.000	ng	#-0.01
76) Chrysene-d12	21.608	240	599988	20.000	ng	#-0.01
86) Perylene-d12	24.799	264	701667	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	207968	69.109	ng	0.00
7) Phenol-d6	7.119	99	322757	76.248	ng	0.00
23) Nitrobenzene-d5	9.111	82	264755	68.755	ng	-0.01
42) 2,4,6-Tribromophenol	16.079	330	392012	106.893	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	830596	64.599	ng	0.00
79) Terphenyl-d14	19.957	244	1859576	56.585	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.111	70	45334	16.600	ng	# 77
51) 2,6-Dinitrotoluene	14.587	165	22950	9.070	ng	# 22
57) 2,4-Dinitrotoluene	14.587	165	22950	6.452	ng	# 25
67) 4-Bromophenyl-phenylether	16.079	248	23514	3.501	ng	# 1
69) Atrazine	17.067	200	109	Below Cal		84
77) Benzidine	19.957	184	31643	4.106	ng	# 94

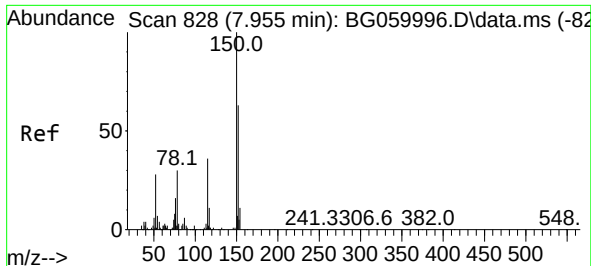
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

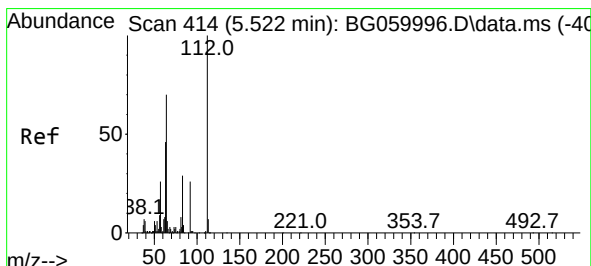
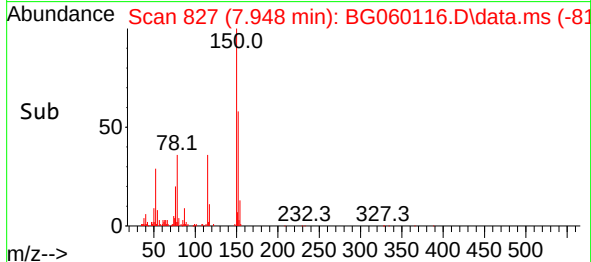
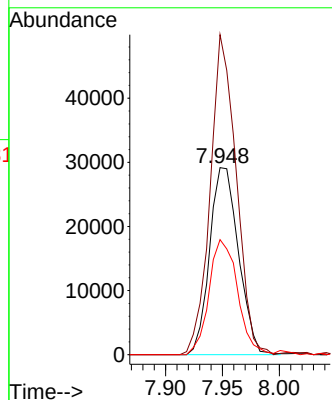
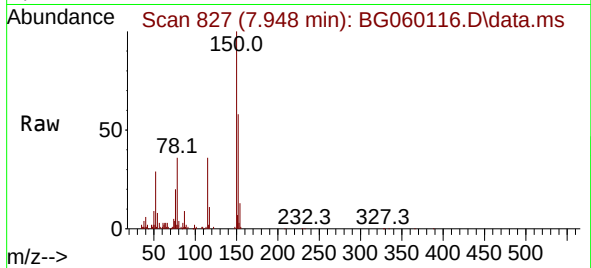




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.948 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BG060116.D
 Acq: 21 Dec 2023 2:37

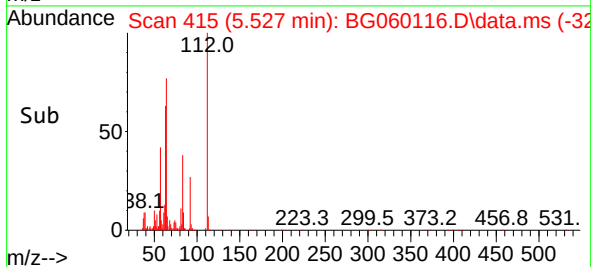
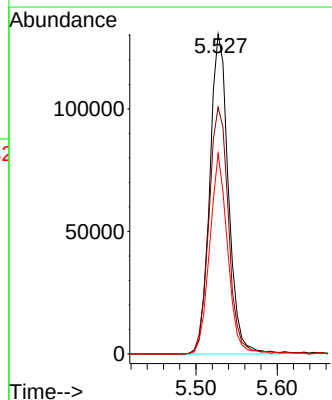
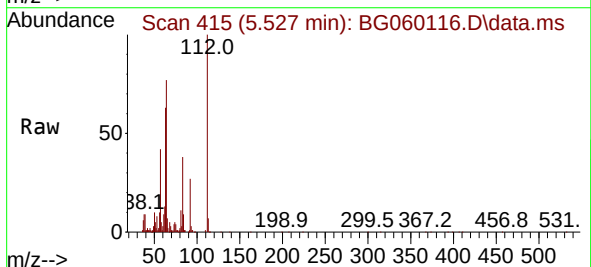
Instrument :
 BNA_G
 ClientSampleId :
 WC-121423

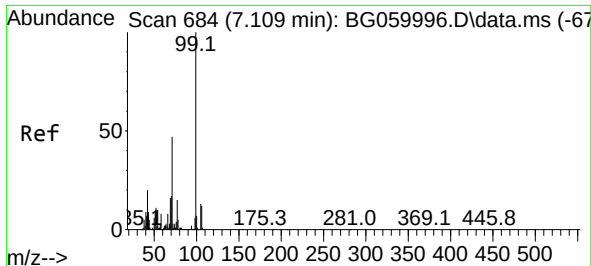
Tgt Ion:152 Resp: 51514
 Ion Ratio Lower Upper
 152 100
 150 171.0 127.0 190.6
 115 61.5 45.7 68.5



#5
 2-Fluorophenol
 Concen: 69.109 ng
 RT: 5.527 min Scan# 415
 Delta R.T. 0.001 min
 Lab File: BG060116.D
 Acq: 21 Dec 2023 2:37

Tgt Ion:112 Resp: 207968
 Ion Ratio Lower Upper
 112 100
 64 77.1 55.9 83.9
 63 62.6 36.5 54.7#

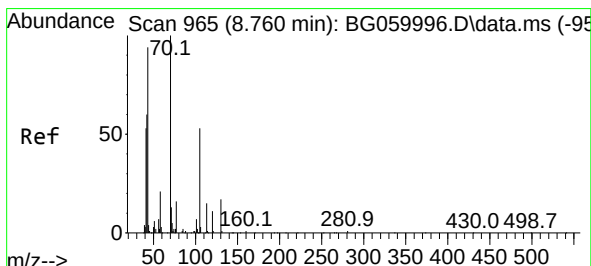
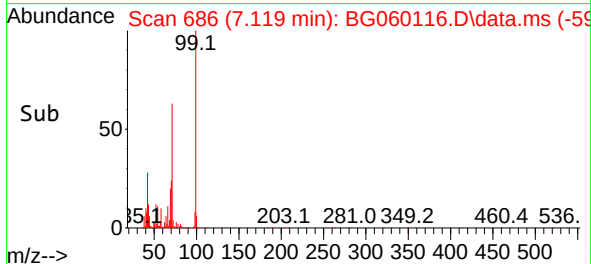
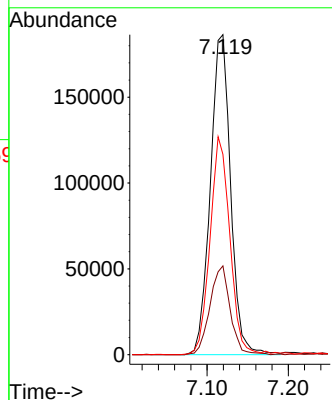
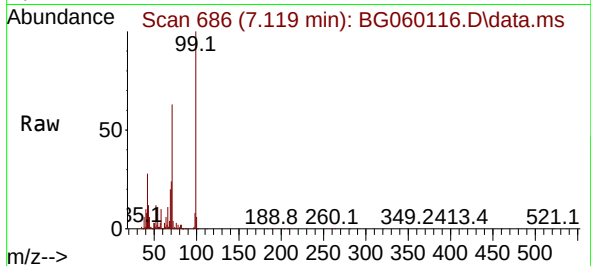




#7
Phenol-d6
Concen: 76.248 ng
RT: 7.119 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

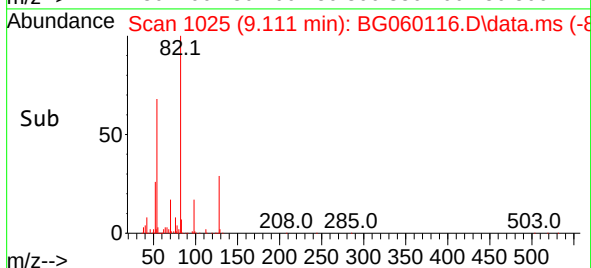
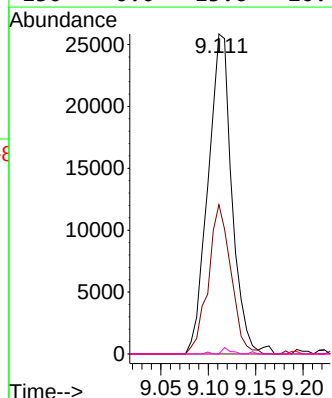
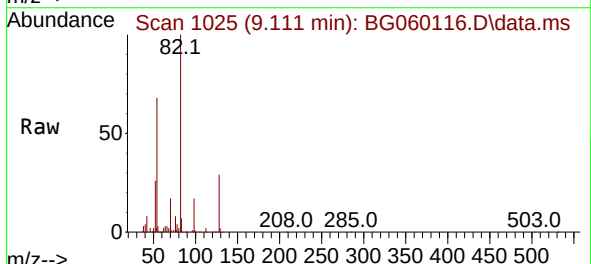
Instrument :
BNA_G
ClientSampleId :
WC-121423

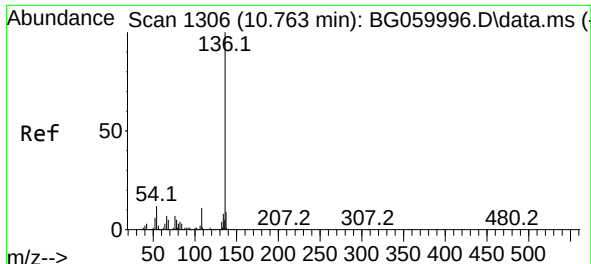
Tgt Ion: 99 Resp: 322757
Ion Ratio Lower Upper
99 100
42 27.7 16.2 24.4#
71 62.6 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 16.600 ng
RT: 9.111 min Scan# 1025
Delta R.T. 0.348 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Tgt Ion: 70 Resp: 45334
Ion Ratio Lower Upper
70 100
42 46.7 48.6 73.0#
101 0.0 5.7 8.5#
130 0.0 13.6 20.4#

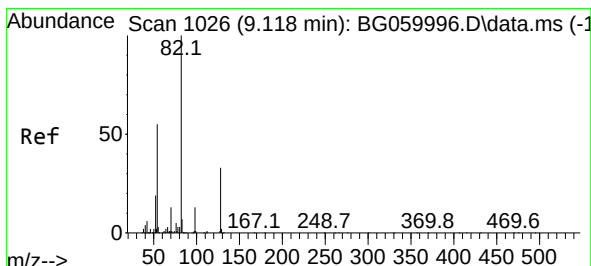
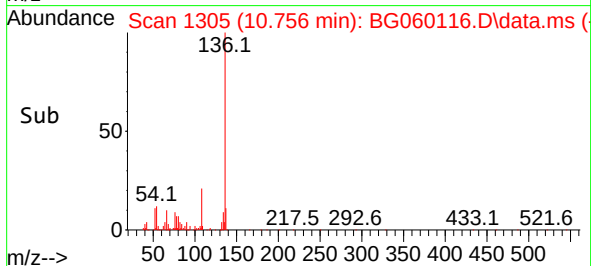
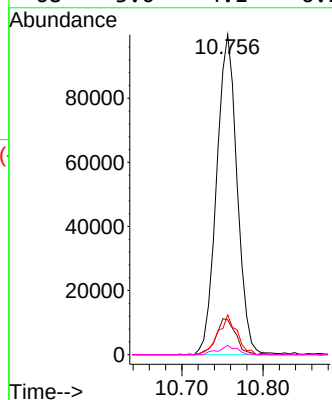
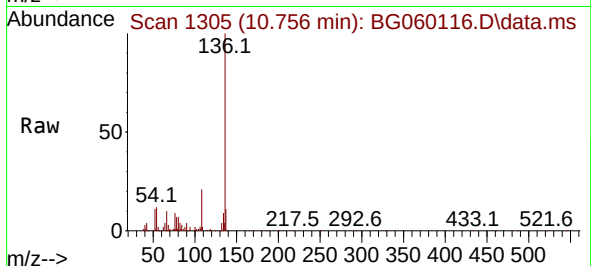




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

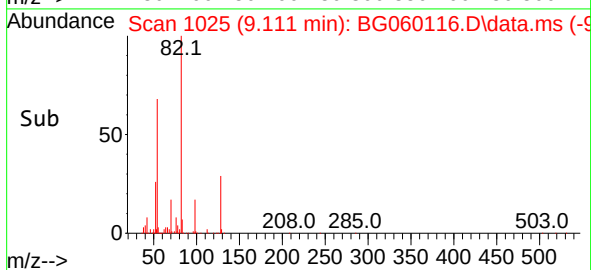
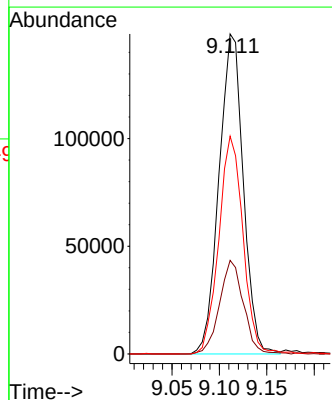
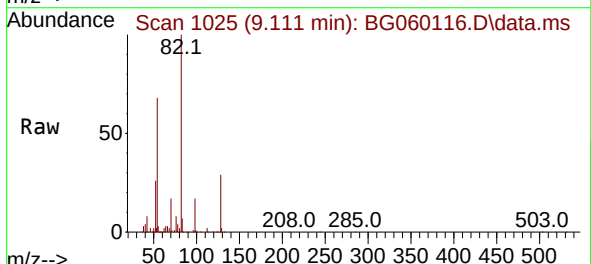
Instrument :
BNA_G
ClientSampleId :
WC-121423

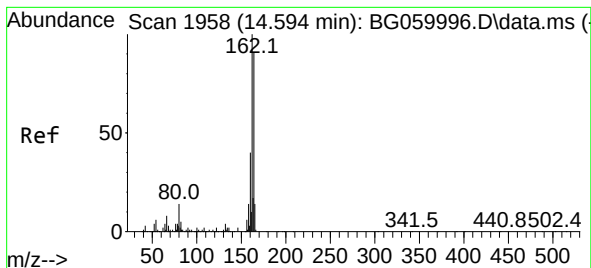
Tgt Ion:	136	Resp:	174854
Ion	Ratio	Lower	Upper
136	100		
137	10.9	7.3	10.9
54	12.5	9.6	14.4
68	3.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.755 ng
RT: 9.111 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Tgt Ion:	82	Resp:	264755
Ion	Ratio	Lower	Upper
82	100		
128	29.2	26.3	39.5
54	68.1	44.3	66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.587 min Scan# 1957

Delta R.T. -0.011 min

Lab File: BG060116.D

Acq: 21 Dec 2023 2:37

Instrument :

BNA_G

ClientSampleId :

WC-121423

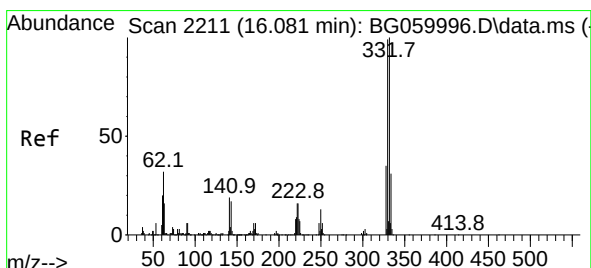
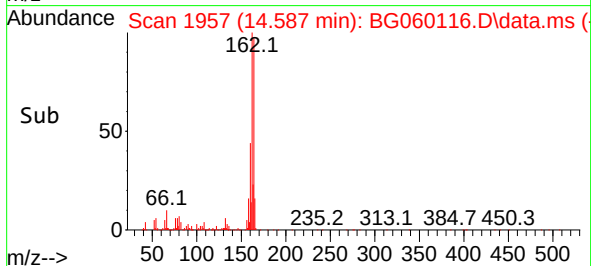
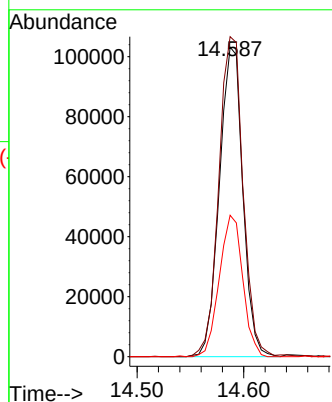
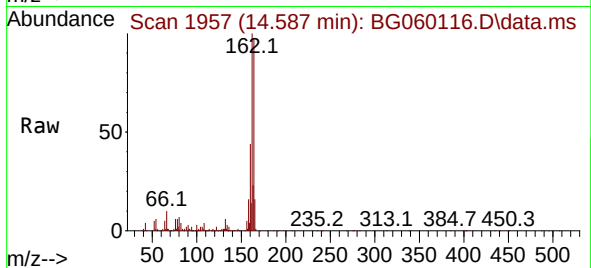
Tgt Ion:164 Resp: 157365

Ion Ratio Lower Upper

164 100

162 103.3 88.1 132.1

160 45.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 106.893 ng

RT: 16.079 min Scan# 2211

Delta R.T. -0.005 min

Lab File: BG060116.D

Acq: 21 Dec 2023 2:37

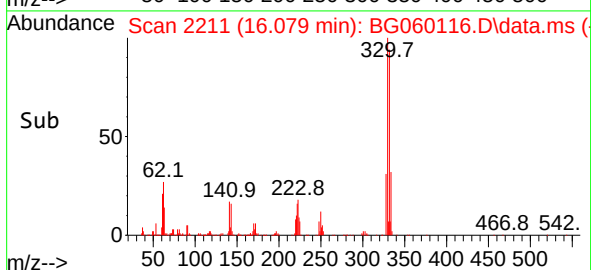
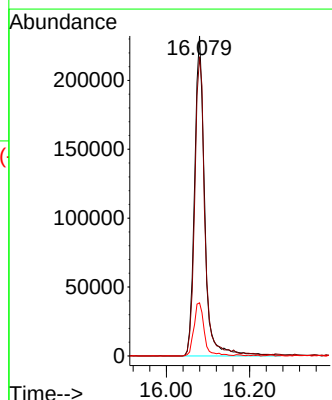
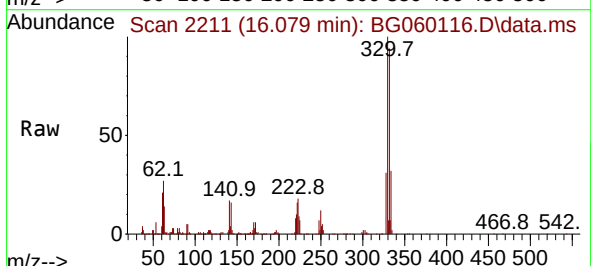
Tgt Ion:330 Resp: 392012

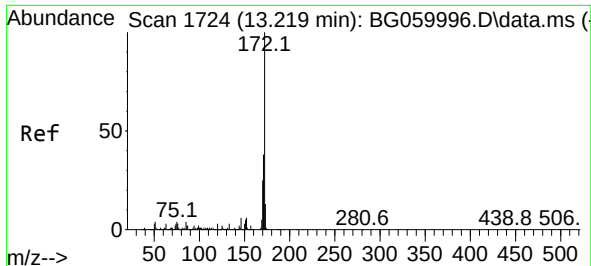
Ion Ratio Lower Upper

330 100

332 93.7 76.2 114.4

141 17.0 14.3 21.5

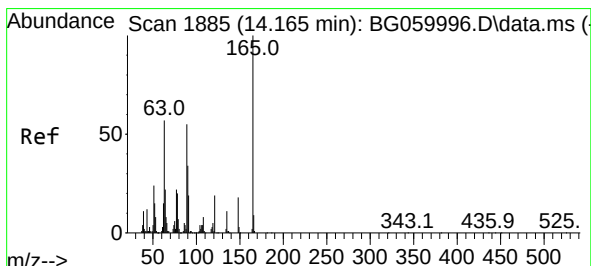
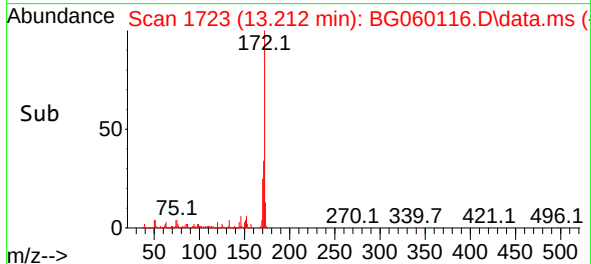
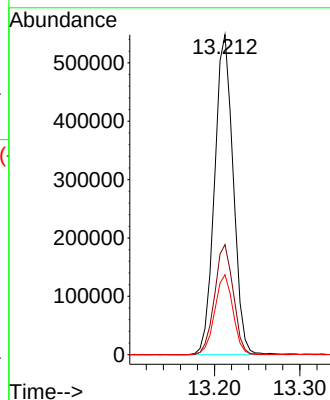
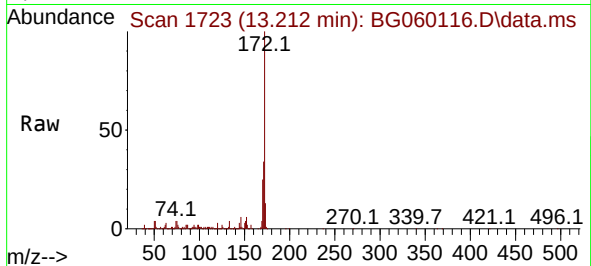




#45
2-Fluorobiphenyl
Concen: 64.599 ng
RT: 13.212 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

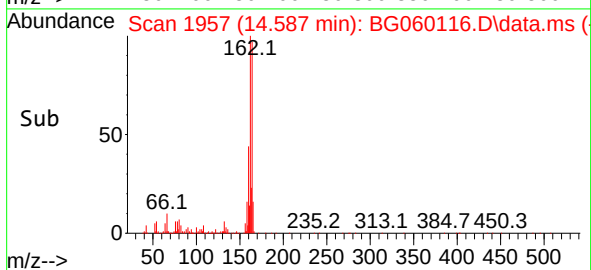
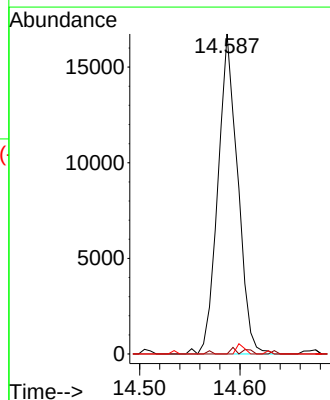
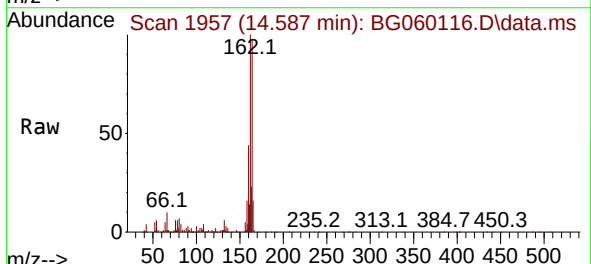
Instrument :
BNA_G
ClientSampleId :
WC-121423

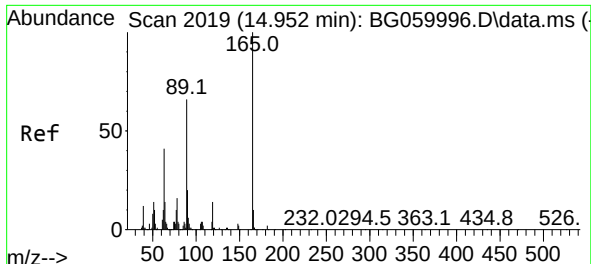
Tgt Ion:172 Resp: 830596
Ion Ratio Lower Upper
172 100
171 34.4 30.1 45.1
170 25.0 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.070 ng
RT: 14.587 min Scan# 1957
Delta R.T. 0.418 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Tgt Ion:165 Resp: 22950
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 0.0 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.452 ng

RT: 14.587 min Scan# 1957

Delta R.T. -0.363 min

Lab File: BG060116.D

Acq: 21 Dec 2023 2:37

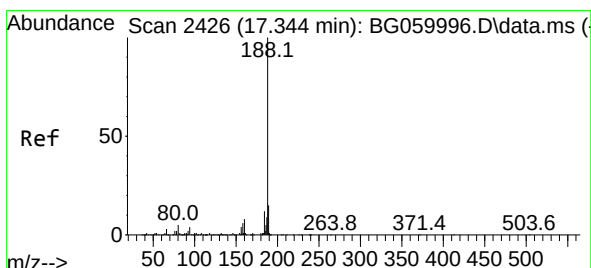
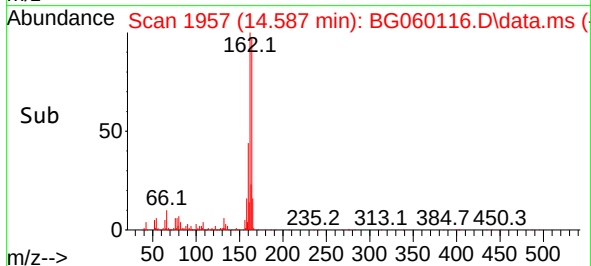
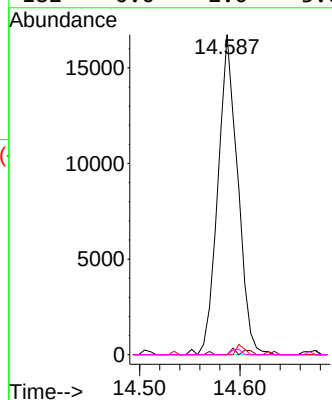
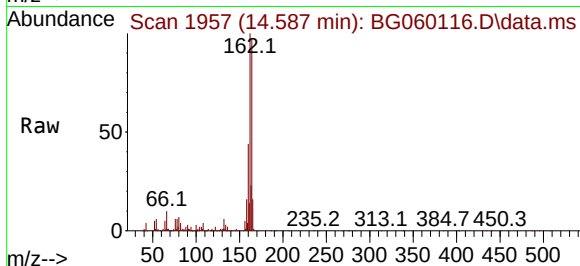
Instrument :

BNA_G

ClientSampleId :

WC-121423

Tgt Ion:	165	Resp:	22950
Ion Ratio	Lower	Upper	
165	100		
63	0.0	32.8	49.2#
89	0.0	53.0	79.6#
182	0.0	2.0	3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

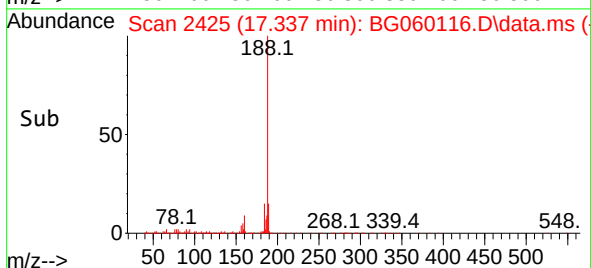
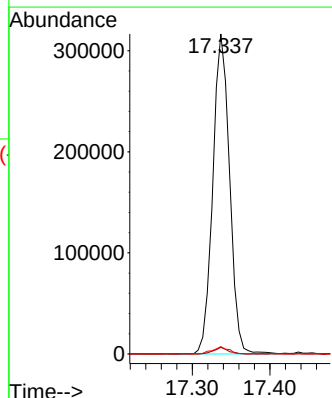
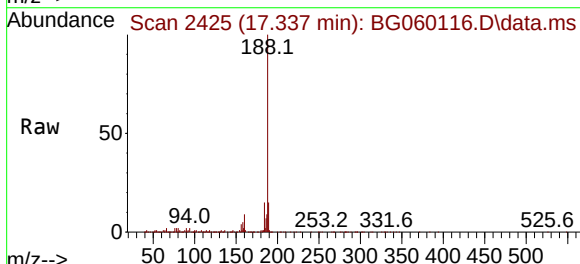
RT: 17.337 min Scan# 2425

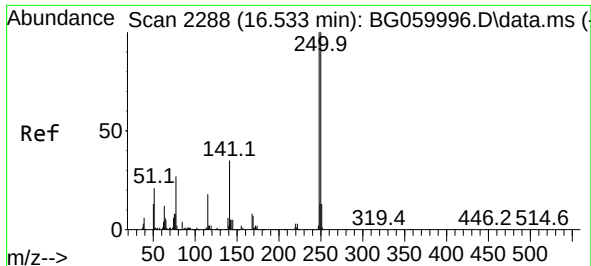
Delta R.T. -0.011 min

Lab File: BG060116.D

Acq: 21 Dec 2023 2:37

Tgt Ion:	188	Resp:	476085
Ion Ratio	Lower	Upper	
188	100		
94	2.1	3.0	4.6#
80	2.3	4.0	6.0#

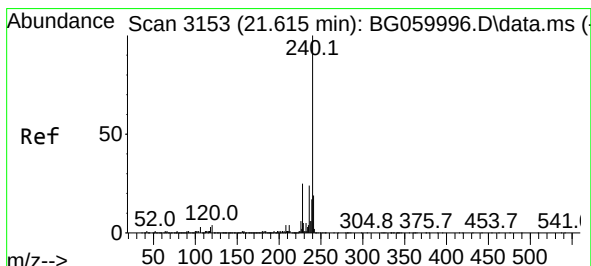
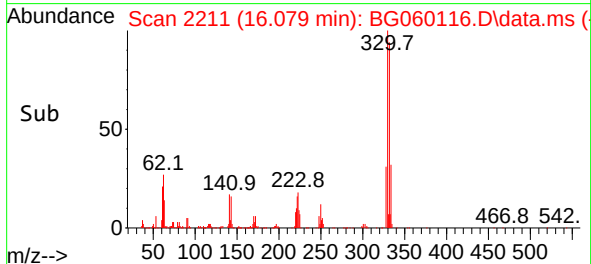
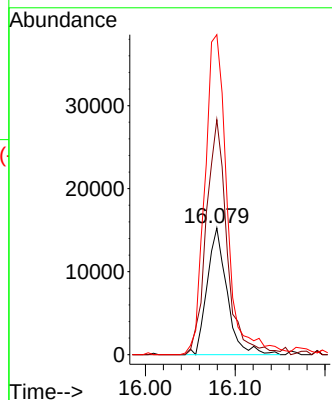
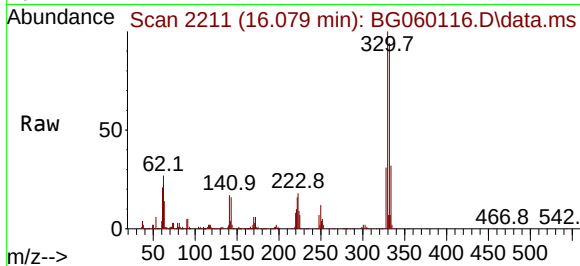




#67
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 16.079 min Scan# 2111
Delta R.T. -0.457 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

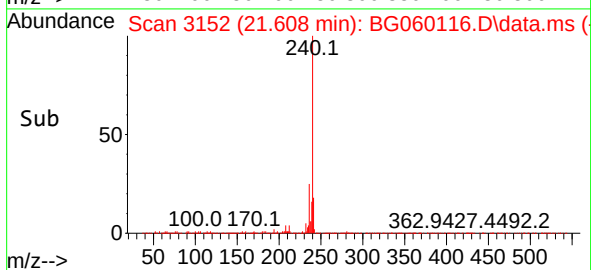
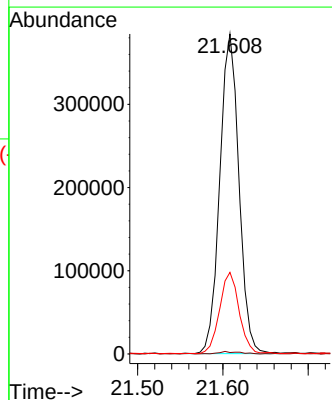
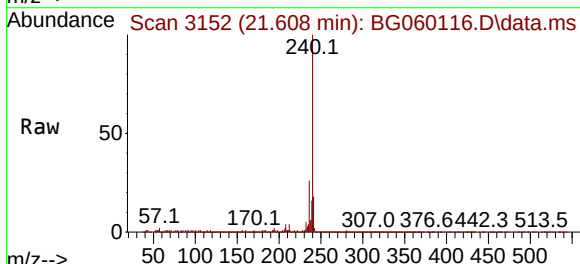
Instrument :
BNA_G
ClientSampleId :
WC-121423

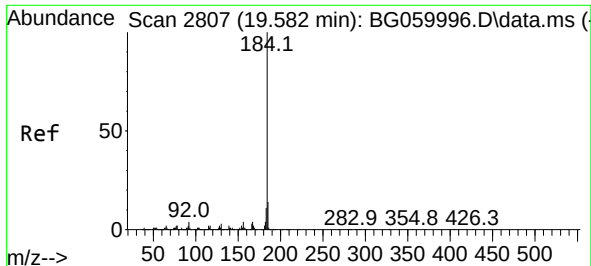
Tgt Ion:248 Resp: 23514
Ion Ratio Lower Upper
248 100
250 185.4 79.9 119.9#
141 252.5 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.011 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Tgt Ion:240 Resp: 599988
Ion Ratio Lower Upper
240 100
120 0.5 2.9 4.3#
236 25.5 19.4 29.2

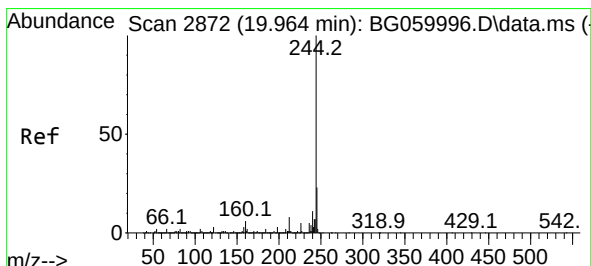
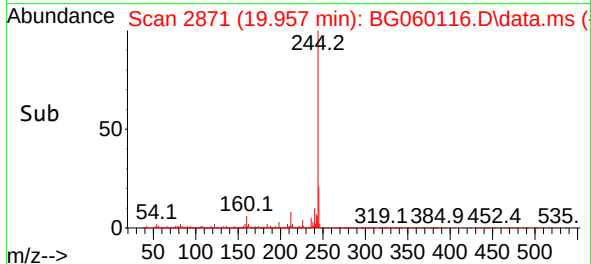
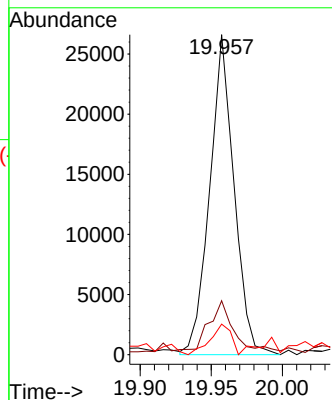
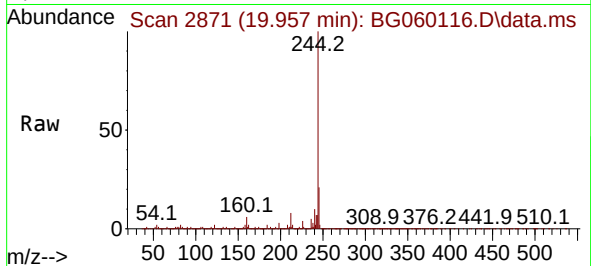




#77
Benzidine
Concen: 4.106 ng
RT: 19.957 min Scan# 2871
Delta R.T. 0.371 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

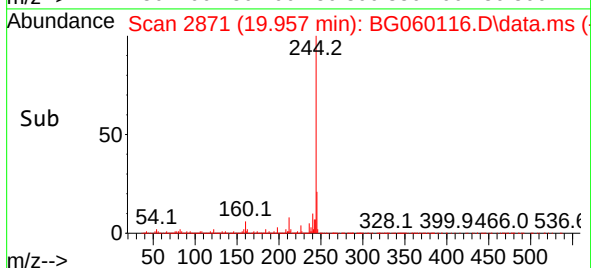
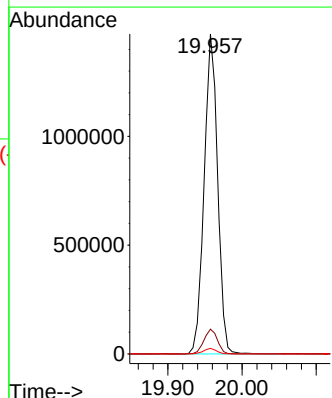
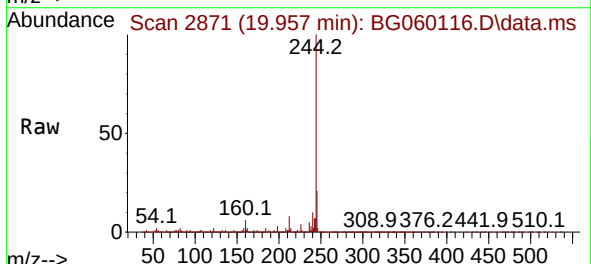
Instrument :
BNA_G
ClientSampleId :
WC-121423

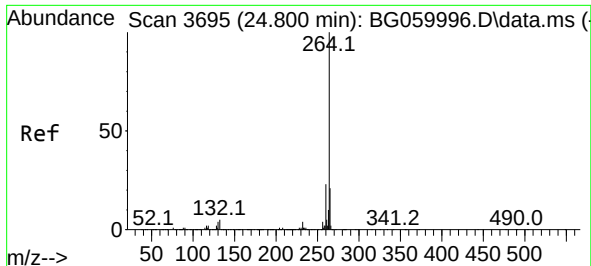
Tgt Ion:184 Resp: 31643
Ion Ratio Lower Upper
184 100
185 16.9 11.1 16.7#
183 9.5 9.0 13.4



#79
Terphenyl-d14
Concen: 56.585 ng
RT: 19.957 min Scan# 2871
Delta R.T. -0.011 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Tgt Ion:244 Resp: 1859576
Ion Ratio Lower Upper
244 100
212 7.8 6.8 10.2
122 1.7 2.6 3.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.799 min Scan# 30
Delta R.T. -0.017 min
Lab File: BG060116.D
Acq: 21 Dec 2023 2:37

Instrument :
BNA_G
ClientSampleId :
WC-121423

Tgt Ion:264 Resp: 701667

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	20.8	17.3	25.9

