

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060047.D
 Acq On : 15 Dec 2023 23:16
 Operator : MA/JU
 Sample : PB157761TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157761TB

Quant Time: Dec 16 02:07:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

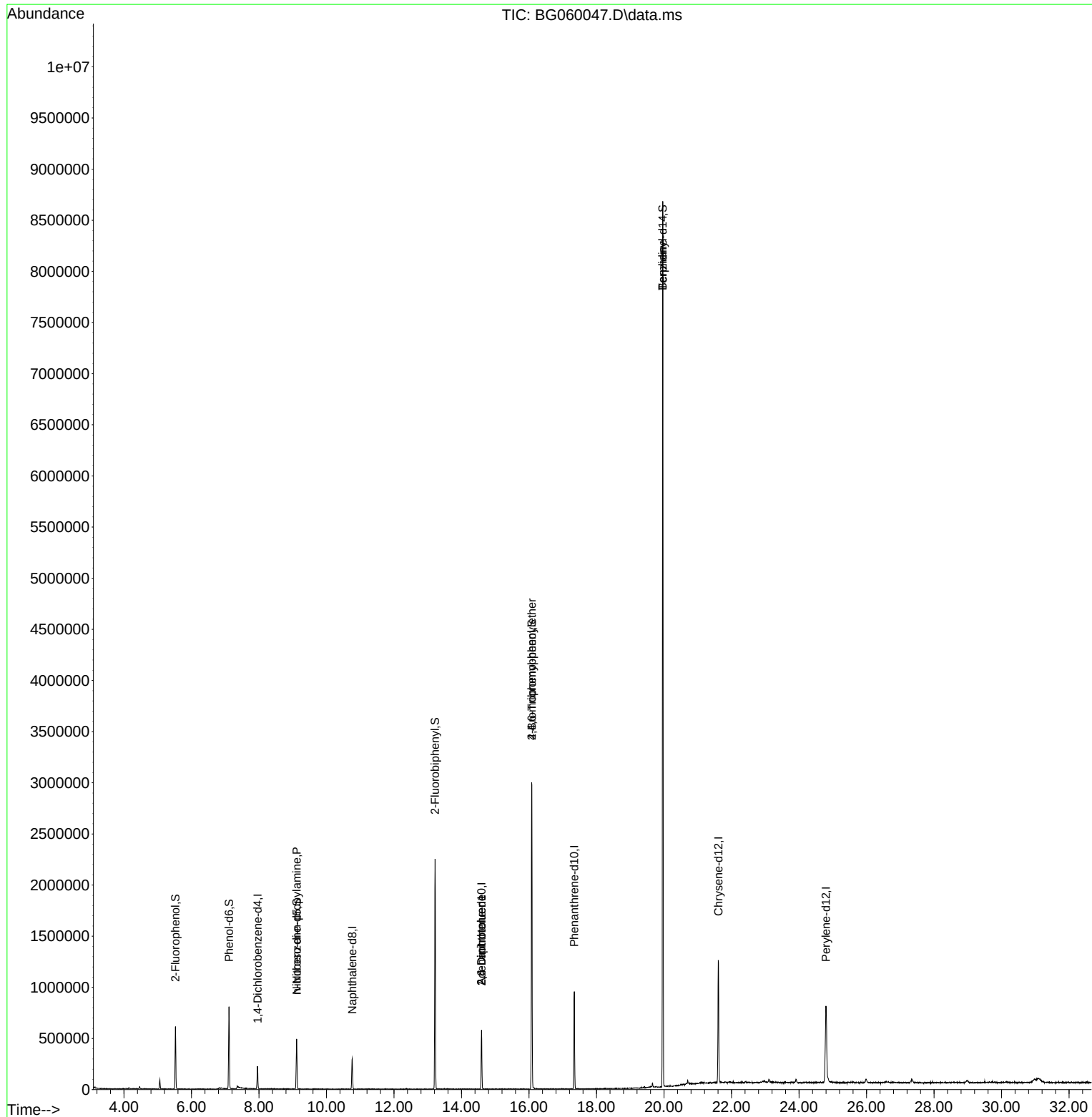
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	59142	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	232786	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	200732	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	652917	20.000	ng	0.00
76) Chrysene-d12	21.607	240	811510	20.000	ng	0.00
86) Perylene-d12	24.798	264	937331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	225640	65.311	ng	0.00
7) Phenol-d6	7.113	99	401456	82.607	ng	0.00
23) Nitrobenzene-d5	9.116	82	274449	53.535	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	729620	155.969	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1242419	75.752	ng	0.00
79) Terphenyl-d14	19.962	244	4416535	99.362	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.116	70	36727	11.714	ng	# 82
51) 2,6-Dinitrotoluene	14.592	165	29501	9.140	ng	# 25
57) 2,4-Dinitrotoluene	14.592	165	29501	6.502	ng	# 28
67) 4-Bromophenyl-phenylether	16.084	248	43705	4.744	ng	# 1
69) Atrazine	16.789	200	92	Below Cal		# 67
77) Benzidine	19.962	184	79273	7.605	ng	# 90

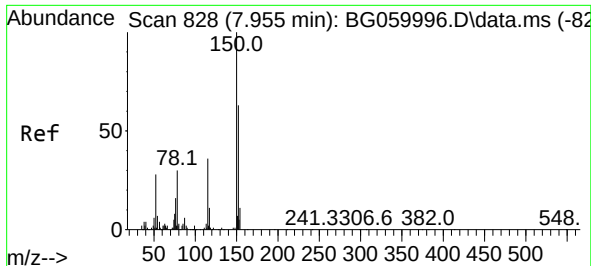
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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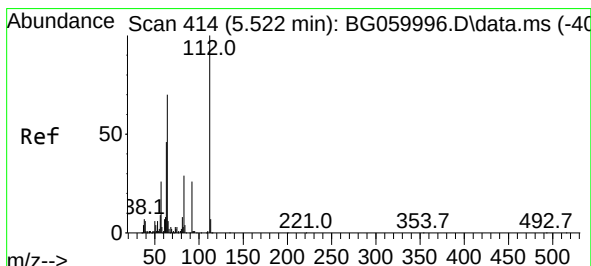
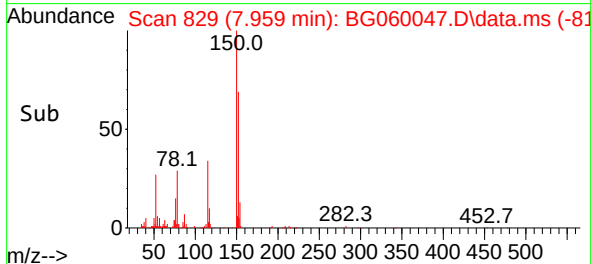
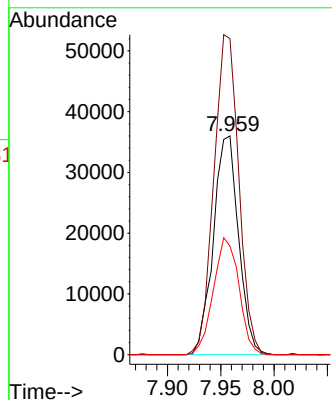
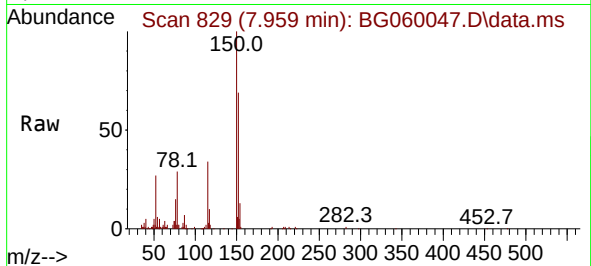




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.959 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: BG060047.D
 Acq: 15 Dec 2023 23:16

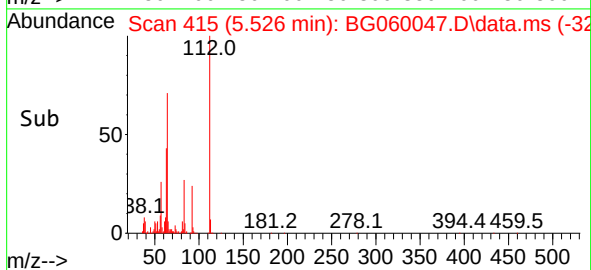
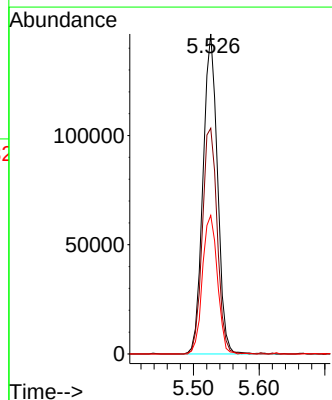
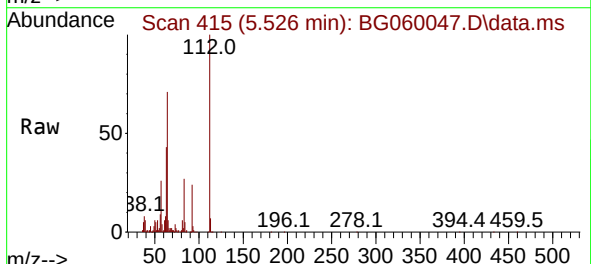
Instrument :
 BNA_G
 ClientSampleId :
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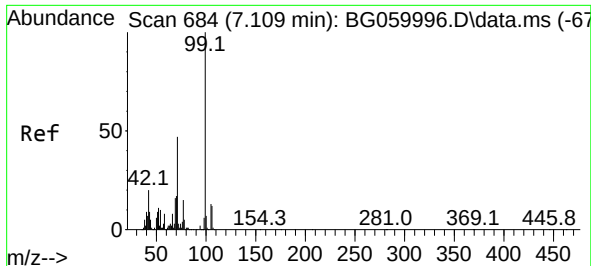
Tgt Ion:152 Resp: 59142
 Ion Ratio Lower Upper
 152 100
 150 144.5 127.0 190.6
 115 49.7 45.7 68.5



#5
 2-Fluorophenol
 Concen: 65.311 ng
 RT: 5.526 min Scan# 415
 Delta R.T. 0.004 min
 Lab File: BG060047.D
 Acq: 15 Dec 2023 23:16

Tgt Ion:112 Resp: 225640
 Ion Ratio Lower Upper
 112 100
 64 70.6 55.9 83.9
 63 43.3 36.5 54.7

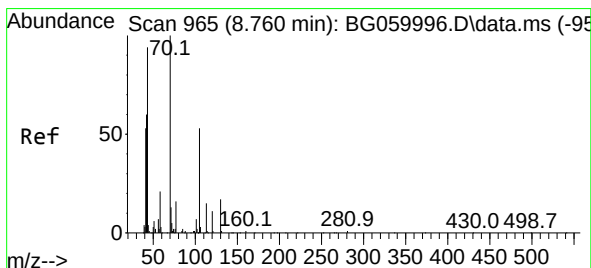
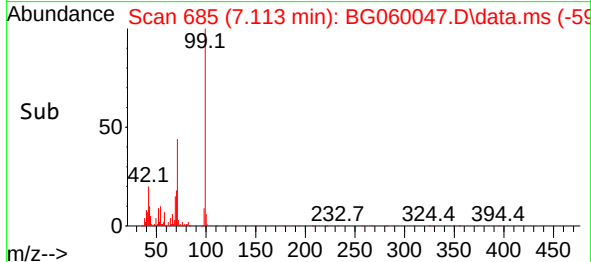
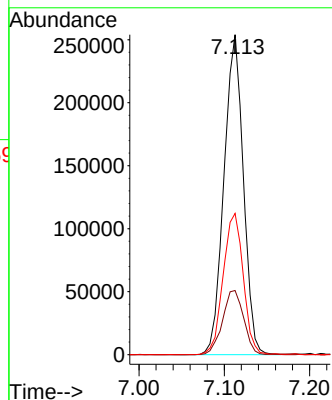
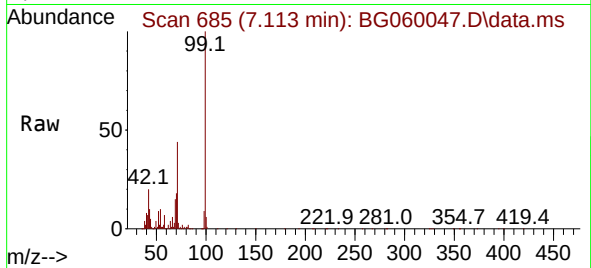




#7
Phenol-d6
Concen: 82.607 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

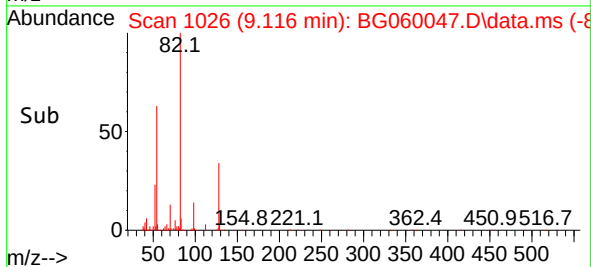
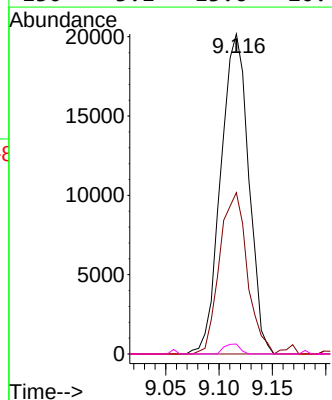
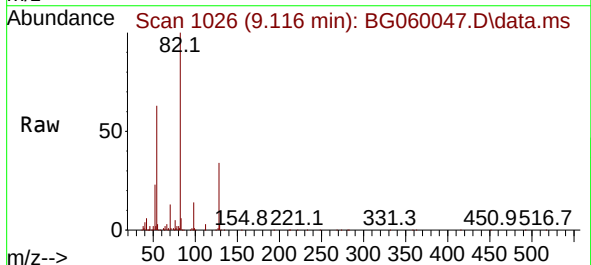
Instrument :
BNA_G
ClientSampleId :
PB157761TB

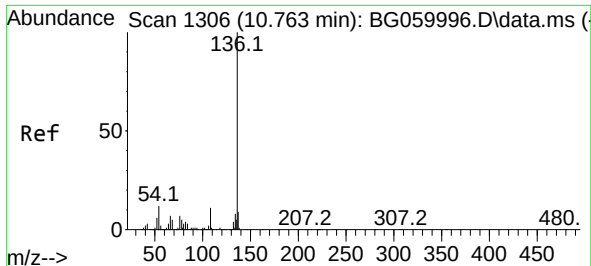
Tgt Ion: 99 Resp: 401456
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.4
71 44.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.714 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.356 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion: 70 Resp: 36727
Ion Ratio Lower Upper
70 100
42 50.4 48.6 73.0
101 0.0 5.7 8.5#
130 3.1 13.6 20.4#

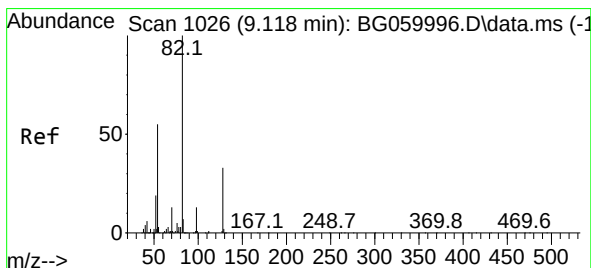
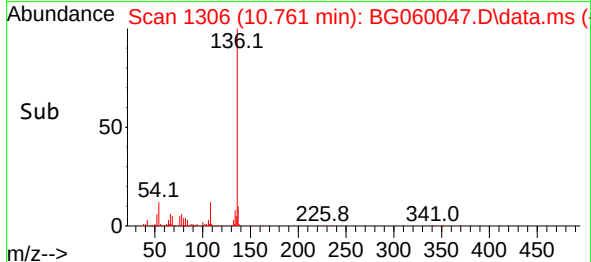
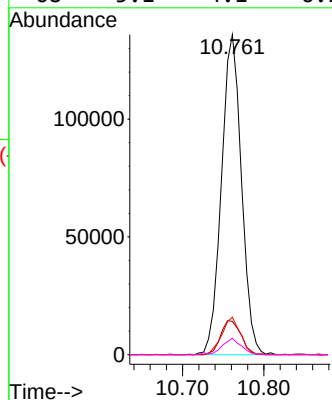
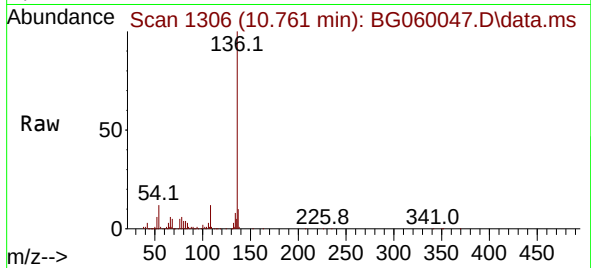




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

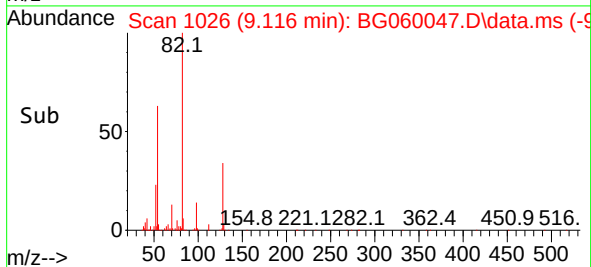
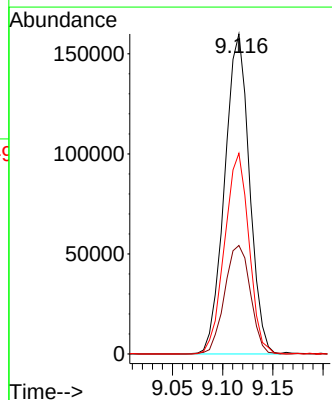
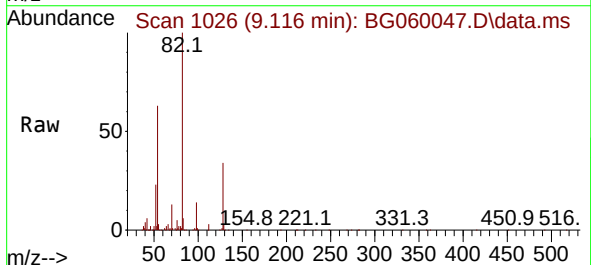
Instrument :
BNA_G
ClientSampleId :
PB157761TB

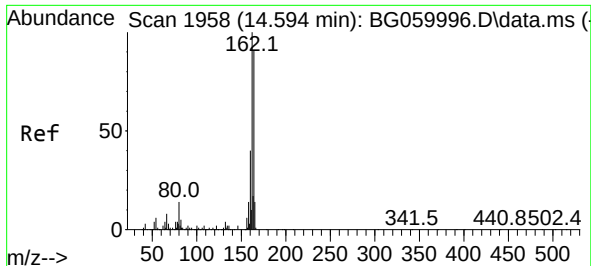
Tgt Ion:136 Resp: 232786
Ion Ratio Lower Upper
136 100
137 10.4 7.3 10.9
54 11.7 9.6 14.4
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 53.535 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion: 82 Resp: 274449
Ion Ratio Lower Upper
82 100
128 33.9 26.3 39.5
54 62.7 44.3 66.5

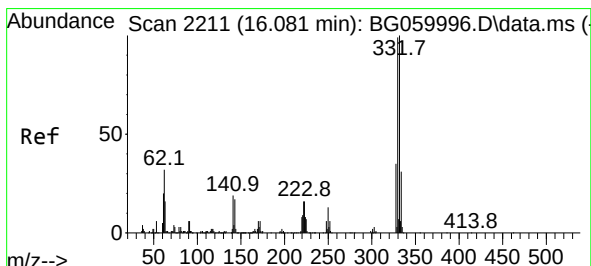
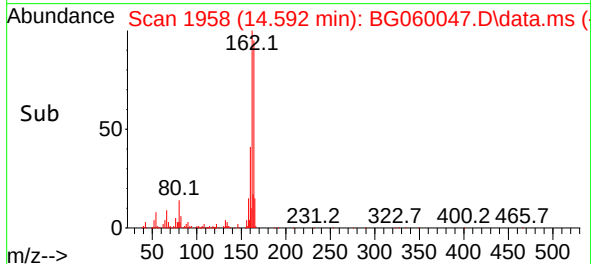
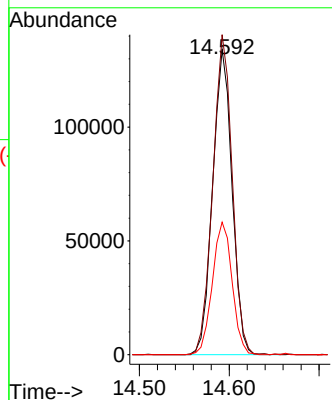
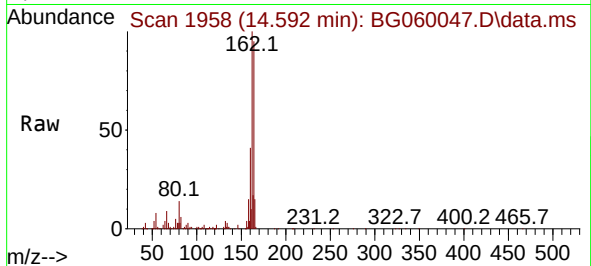




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

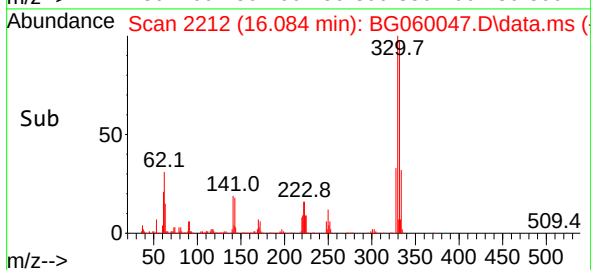
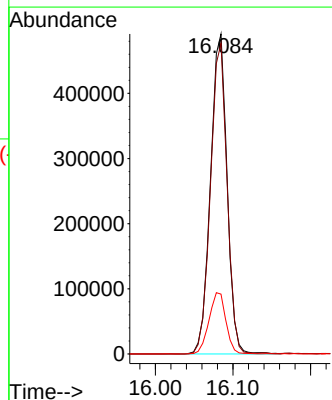
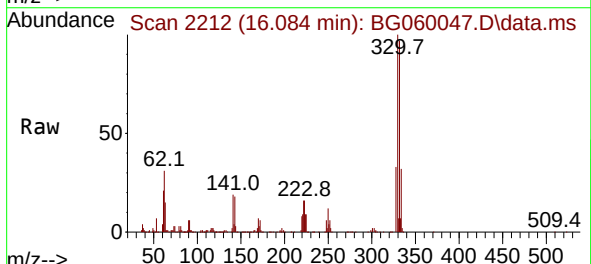
Instrument :
BNA_G
ClientSampleId :
PB157761TB

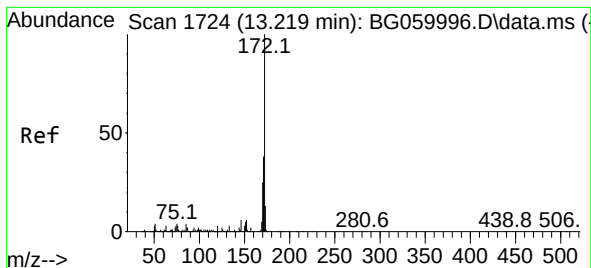
Tgt Ion:164 Resp: 200732
Ion Ratio Lower Upper
164 100
162 104.8 88.1 132.1
160 43.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 155.969 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion:330 Resp: 729620
Ion Ratio Lower Upper
330 100
332 96.6 76.2 114.4
141 19.5 14.3 21.5

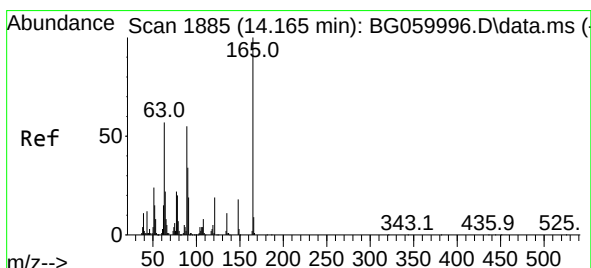
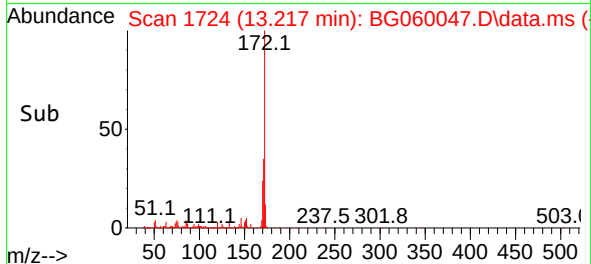
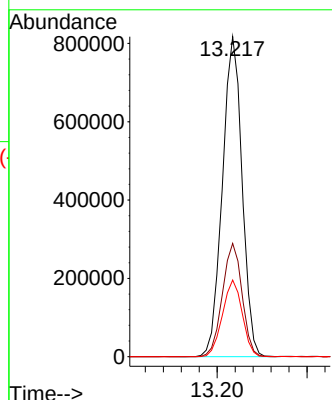
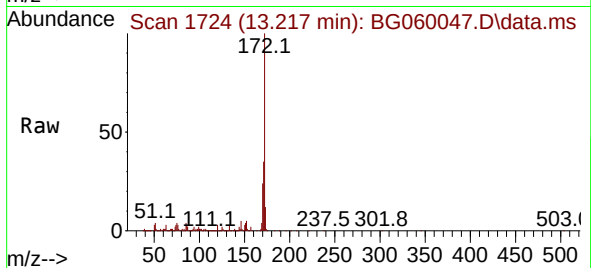




#45
2-Fluorobiphenyl
Concen: 75.752 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

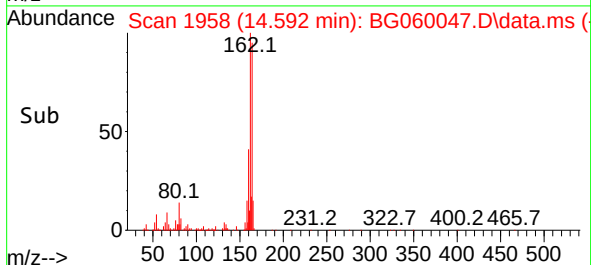
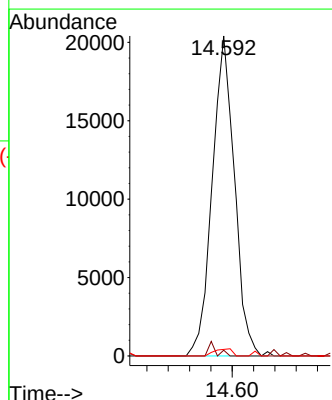
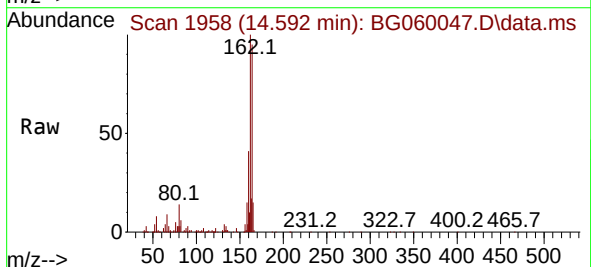
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ClientSampleId :
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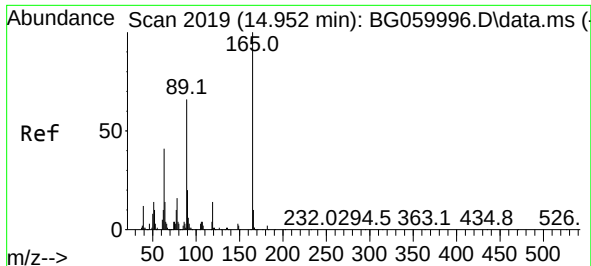
Tgt Ion:172 Resp: 1242419
Ion Ratio Lower Upper
172 100
171 35.4 30.1 45.1
170 24.0 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.140 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion:165 Resp: 29501
Ion Ratio Lower Upper
165 100
63 1.8 48.2 72.2#
89 2.0 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.502 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.360 min

Lab File: BG060047.D

Acq: 15 Dec 2023 23:16

Instrument :

BNA_G

ClientSampleId :

PB157761TB

Tgt Ion:165 Resp: 29501

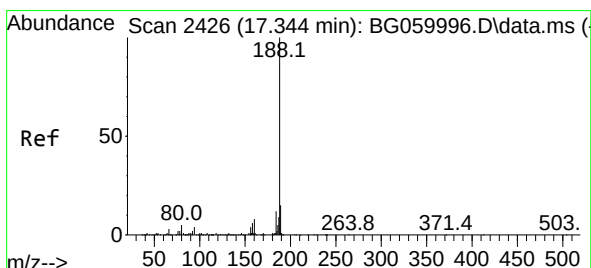
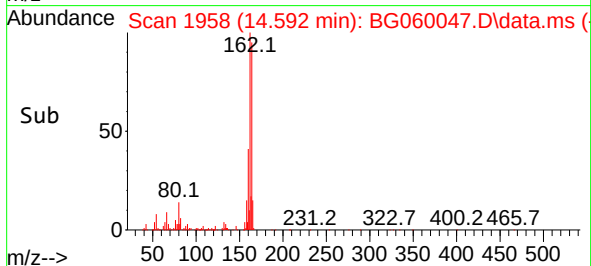
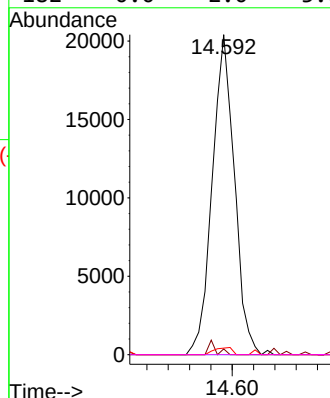
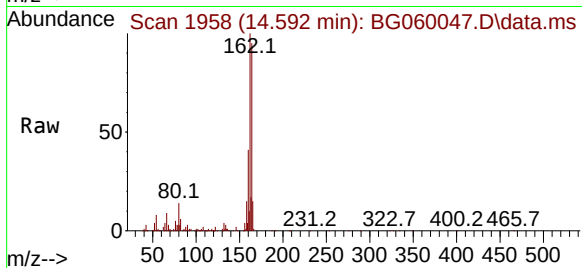
Ion Ratio Lower Upper

165 100

63 1.8 32.8 49.2#

89 2.0 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.002 min

Lab File: BG060047.D

Acq: 15 Dec 2023 23:16

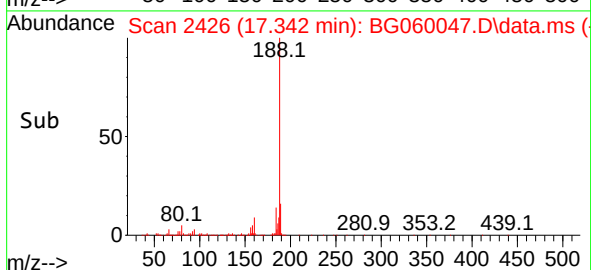
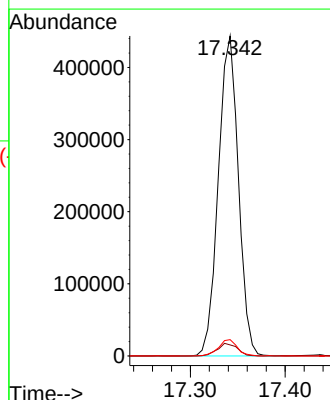
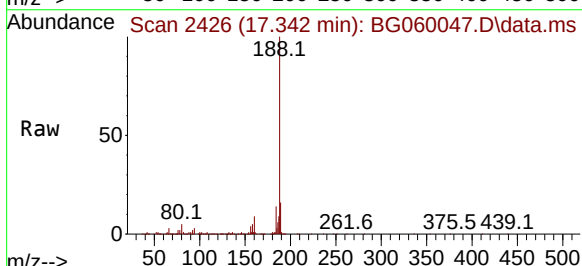
Tgt Ion:188 Resp: 652917

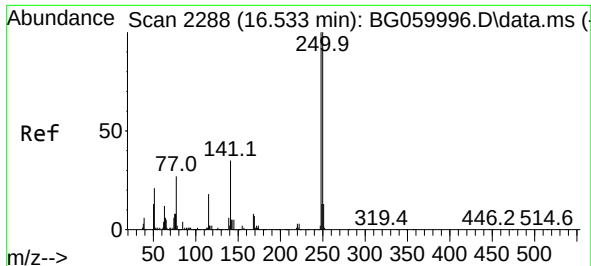
Ion Ratio Lower Upper

188 100

94 3.4 3.0 4.6

80 5.1 4.0 6.0

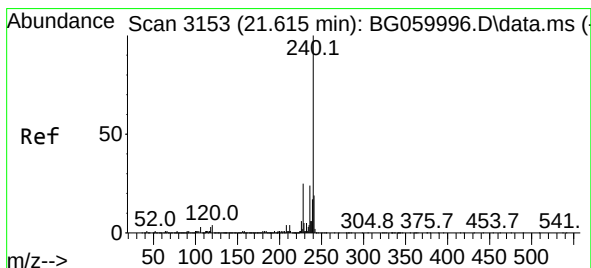
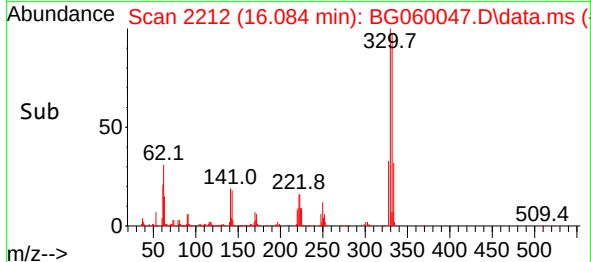
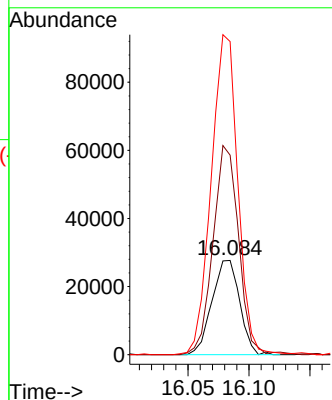
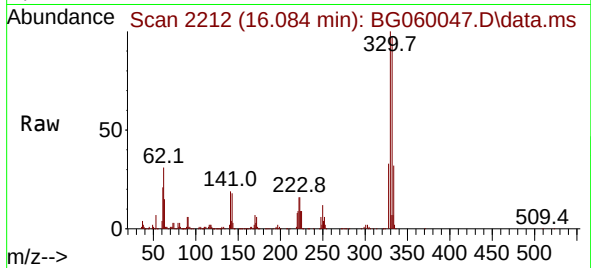




#67
4-Bromophenyl-phenylether
Concen: 4.744 ng
RT: 16.084 min Scan# 211
Delta R.T. -0.449 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

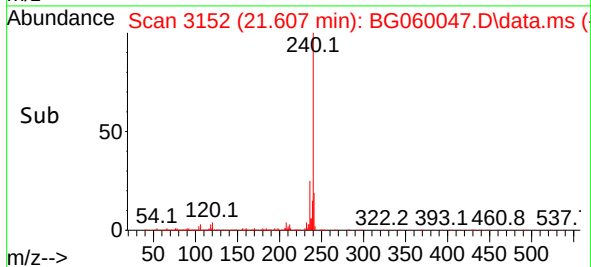
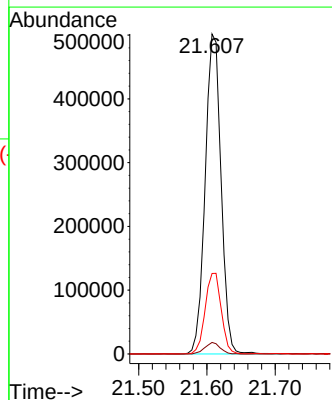
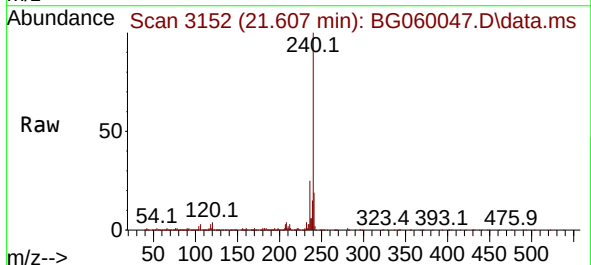
Instrument :
BNA_G
ClientSampleId :
PB157761TB

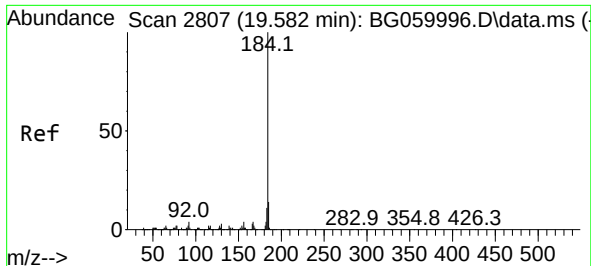
Tgt Ion:248 Resp: 43705
Ion Ratio Lower Upper
248 100
250 211.7 79.9 119.9#
141 332.3 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion:240 Resp: 811510
Ion Ratio Lower Upper
240 100
120 3.6 2.9 4.3
236 25.2 19.4 29.2

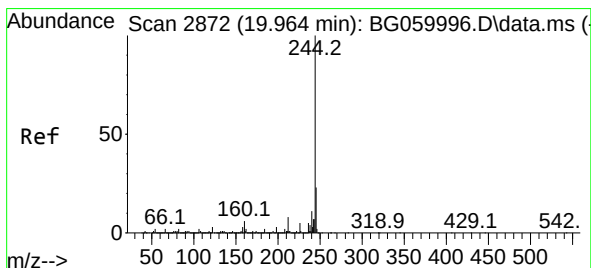
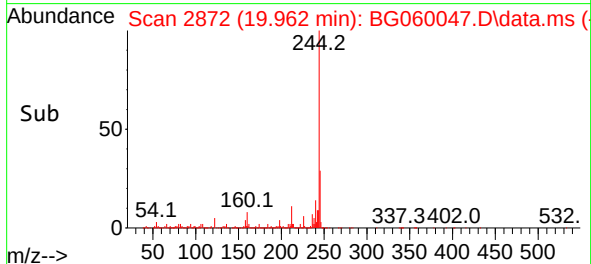
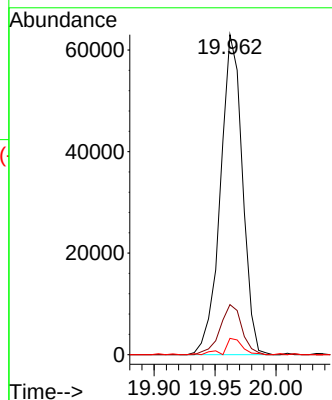
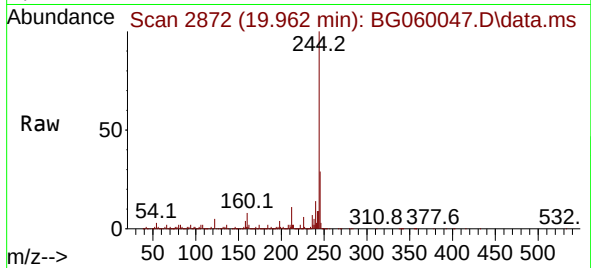




#77
Benzidine
Concen: 7.605 ng
RT: 19.962 min Scan# 2872
Delta R.T. 0.380 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

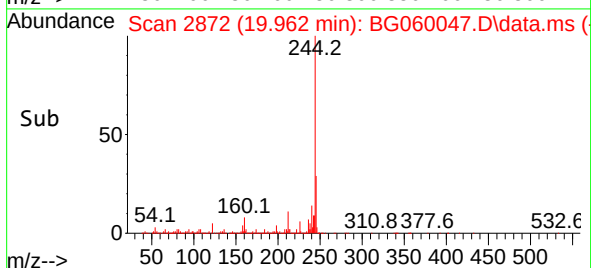
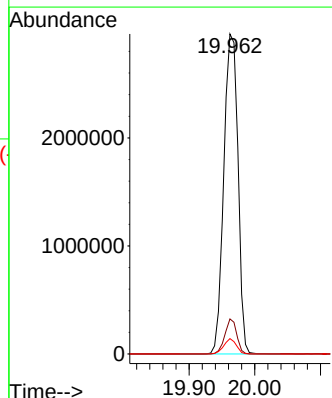
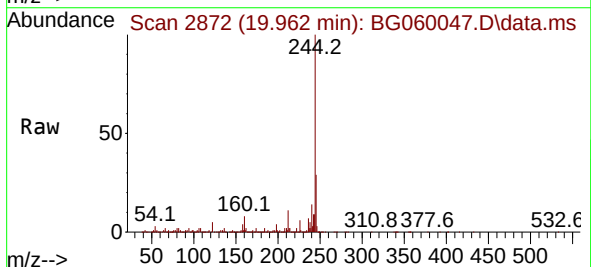
Instrument :
BNA_G
ClientSampleId :
PB157761TB

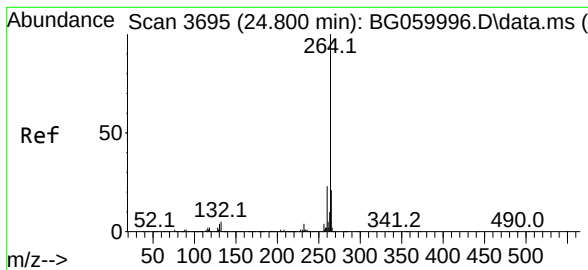
Tgt Ion:184 Resp: 79273
Ion Ratio Lower Upper
184 100
185 15.7 11.1 16.7
183 5.1 9.0 13.4#



#79
Terphenyl-d14
Concen: 99.362 ng
RT: 19.962 min Scan# 2872
Delta R.T. -0.002 min
Lab File: BG060047.D
Acq: 15 Dec 2023 23:16

Tgt Ion:244 Resp: 4416535
Ion Ratio Lower Upper
244 100
212 10.9 6.8 10.2#
122 4.8 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060047.D
 Acq: 15 Dec 2023 23:16

Instrument :
 BNA_G
 ClientSampleId :
 PB157761TB

Tgt Ion:264 Resp: 937331

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	22.7	17.3	25.9

