

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060067.D
 Acq On : 18 Dec 2023 15:31
 Operator : MA/JU
 Sample : 05827-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-07-14-15

Quant Time: Dec 18 16:48:30 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)

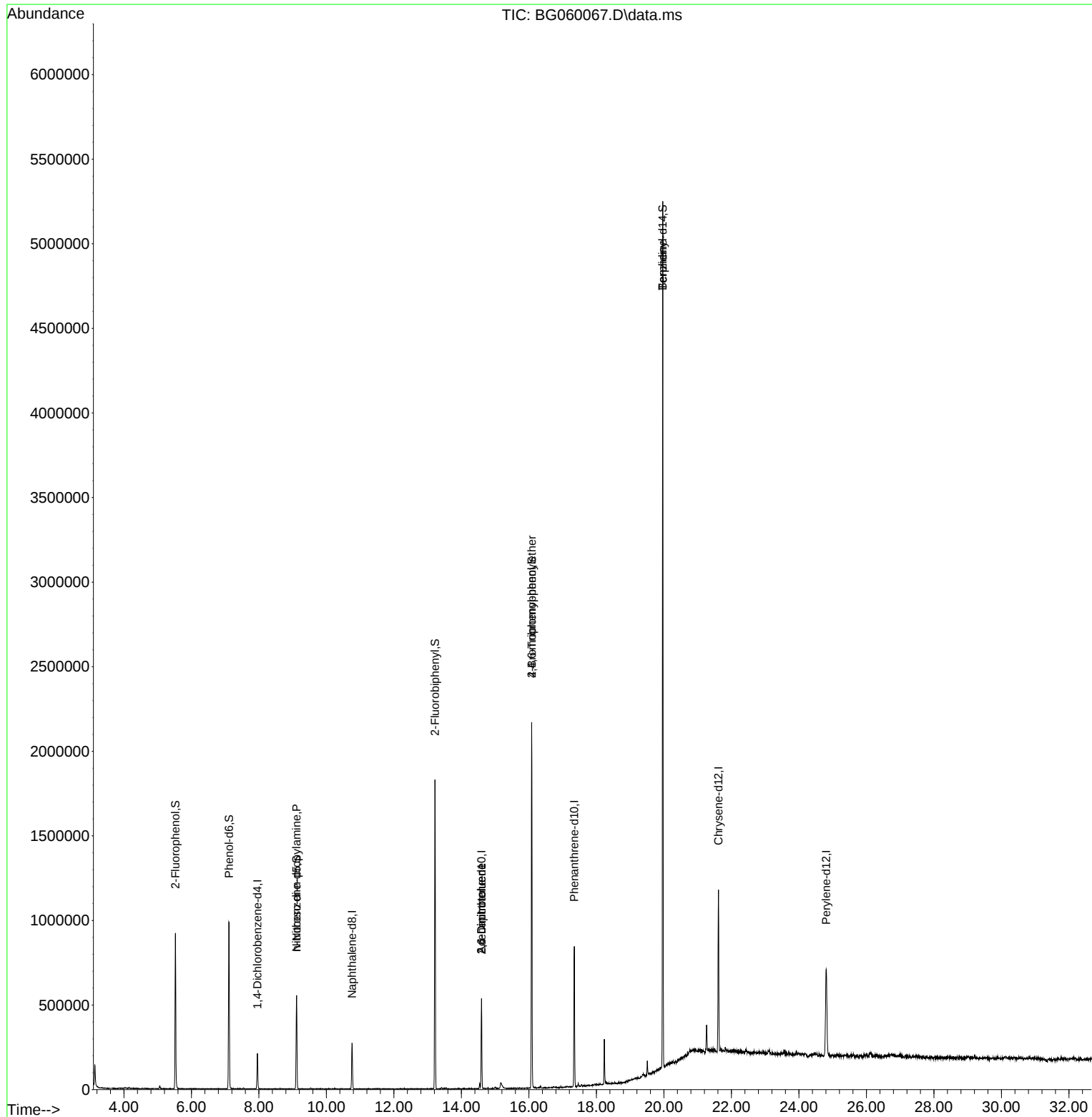
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	58242	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	216672	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	183657	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	570972	20.000	ng	# 0.00
76) Chrysene-d12	21.616	240	629426	20.000	ng	# 0.00
86) Perylene-d12	24.806	264	680116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	342695	100.725	ng	0.00
7) Phenol-d6	7.115	99	490077	102.401	ng	0.00
23) Nitrobenzene-d5	9.113	82	317195	66.475	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	516977	120.787	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1040660	69.350	ng	0.00
79) Terphenyl-d14	19.965	244	2749788	79.760	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.113	70	47065	15.243	ng	# 78
51) 2,6-Dinitrotoluene	14.595	165	23700	8.026	ng	# 24
57) 2,4-Dinitrotoluene	14.595	165	23700	5.709	ng	# 27
67) 4-Bromophenyl-phenylether	16.081	248	31894	3.959	ng	# 1
69) Atrazine	16.810	200	81	Below Cal		# 34
77) Benzidine	19.965	184	43374	5.365	ng	# 95

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

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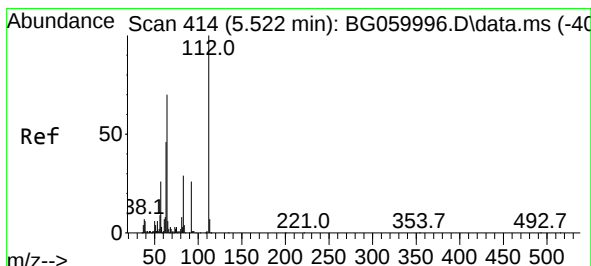
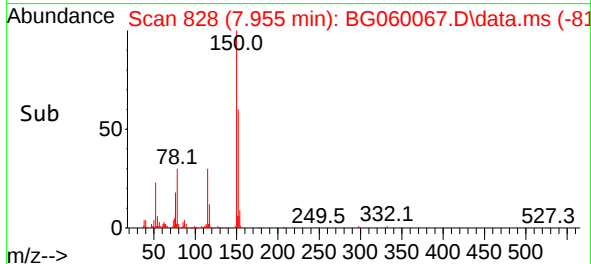
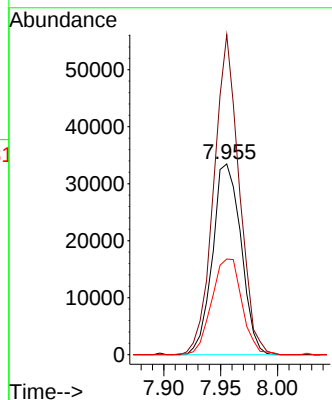
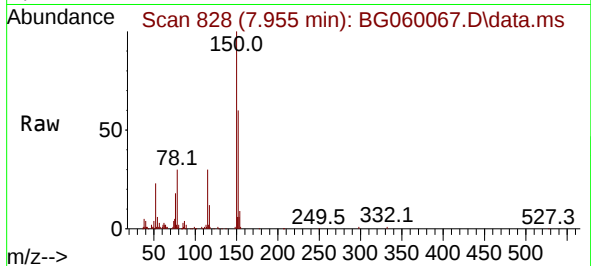




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.955 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BG060067.D
 Acq: 18 Dec 2023 15:31

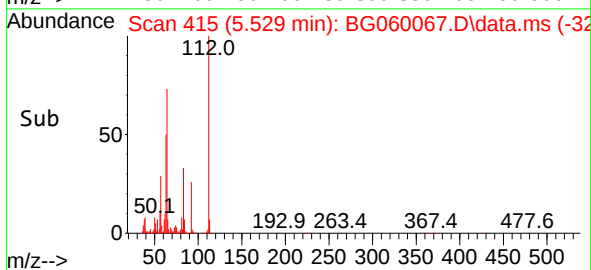
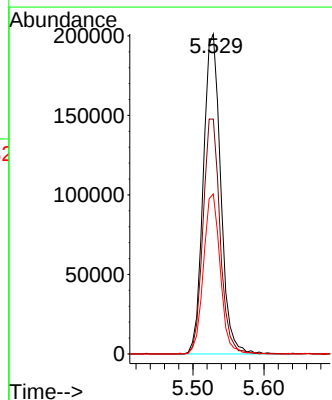
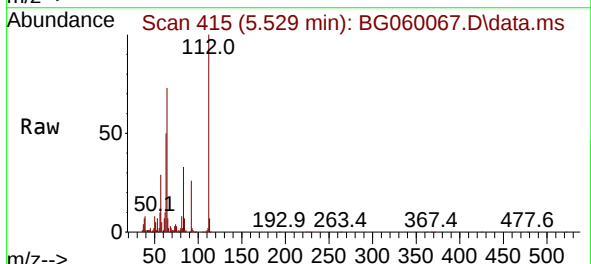
Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-07-14-15

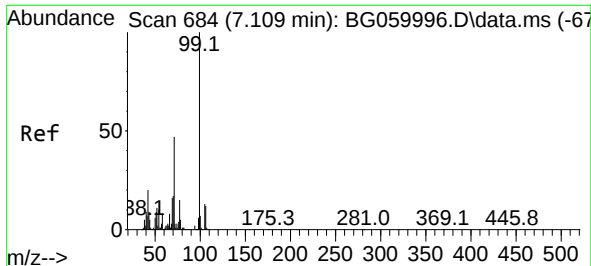
Tgt Ion:152 Resp: 58242
 Ion Ratio Lower Upper
 152 100
 150 167.8 127.0 190.6
 115 50.2 45.7 68.5



#5
 2-Fluorophenol
 Concen: 100.725 ng
 RT: 5.529 min Scan# 415
 Delta R.T. 0.007 min
 Lab File: BG060067.D
 Acq: 18 Dec 2023 15:31

Tgt Ion:112 Resp: 342695
 Ion Ratio Lower Upper
 112 100
 64 73.4 55.9 83.9
 63 50.0 36.5 54.7

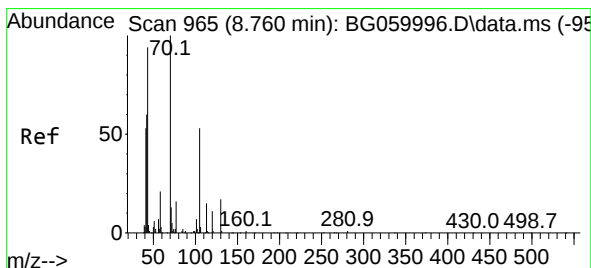
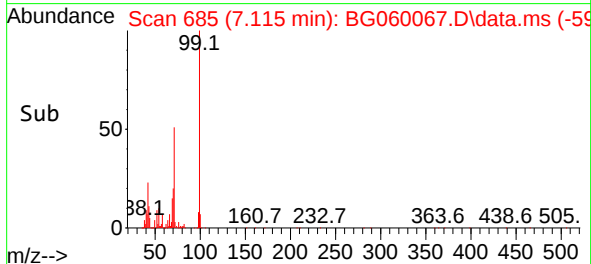
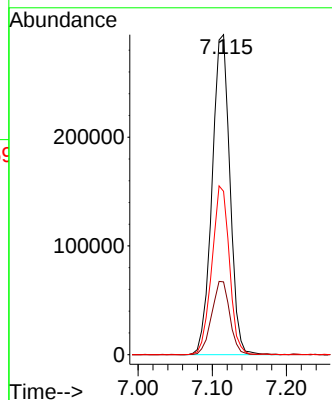
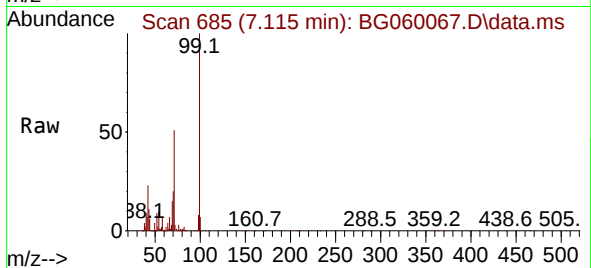




#7
Phenol-d6
Concen: 102.401 ng
RT: 7.115 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

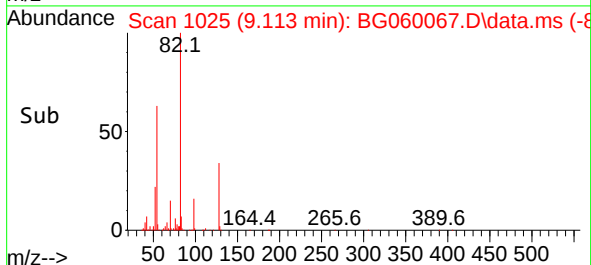
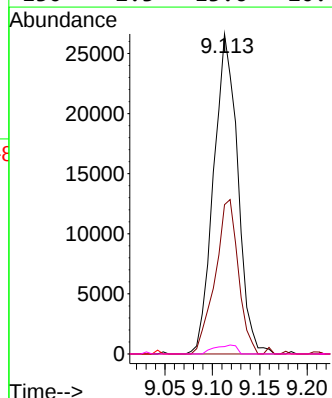
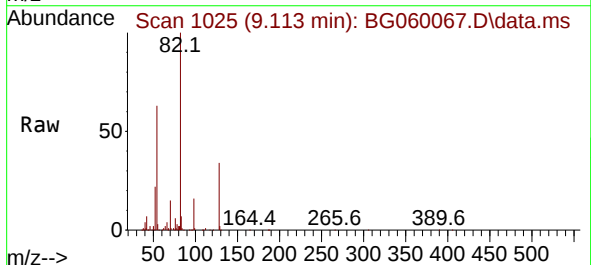
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-14-15

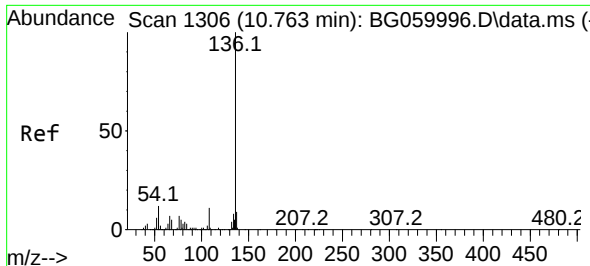
Tgt Ion: 99 Resp: 490077
Ion Ratio Lower Upper
99 100
42 22.8 16.2 24.4
71 51.0 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.243 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.353 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

Tgt Ion: 70 Resp: 47065
Ion Ratio Lower Upper
70 100
42 46.7 48.6 73.0#
101 0.0 5.7 8.5#
130 2.3 13.6 20.4#

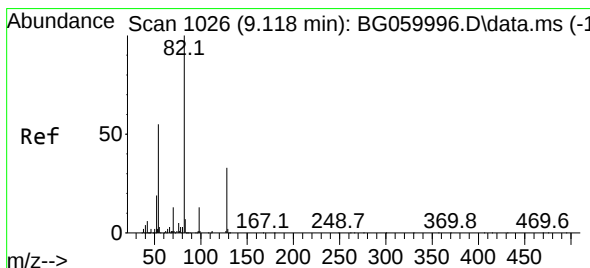
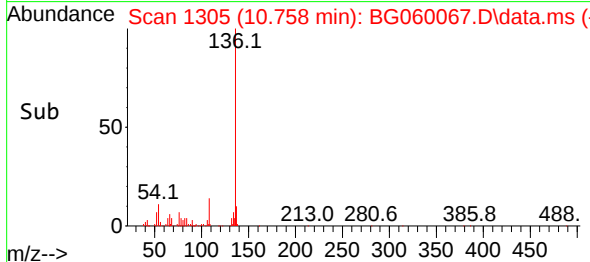
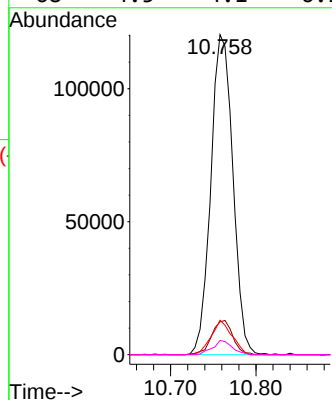
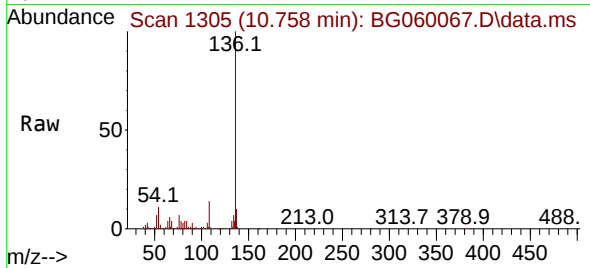




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

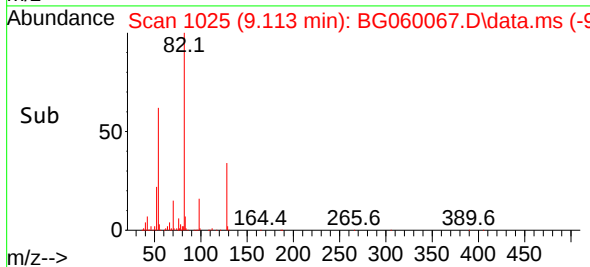
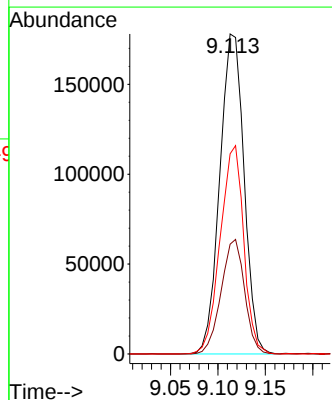
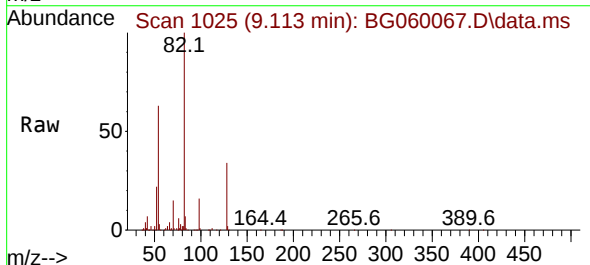
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-14-15

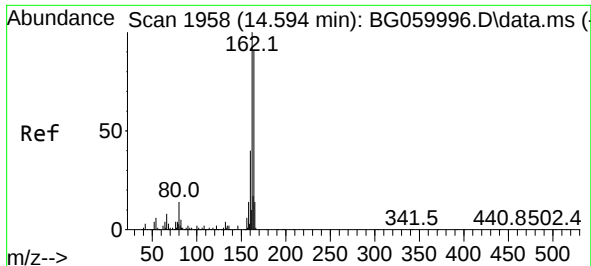
Tgt Ion:	136	Resp:	216672
Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.3	10.9
54	10.8	9.6	14.4
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 66.475 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.005 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

Tgt Ion:	82	Resp:	317195
Ion	Ratio	Lower	Upper
82	100		
128	34.3	26.3	39.5
54	62.5	44.3	66.5

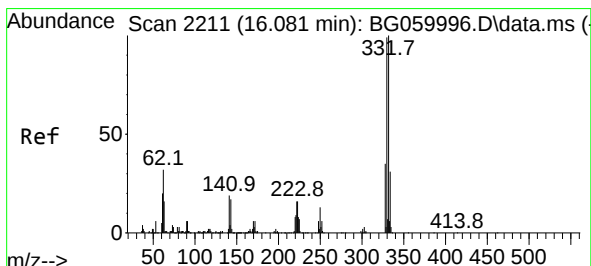
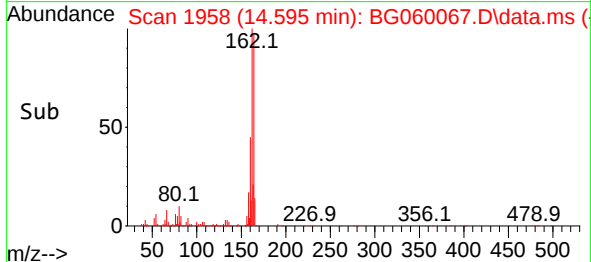
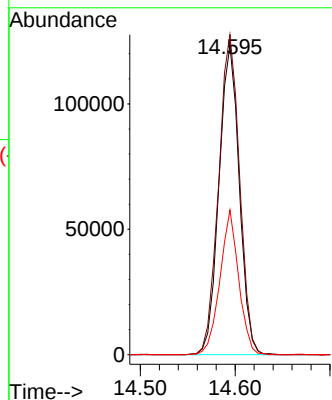
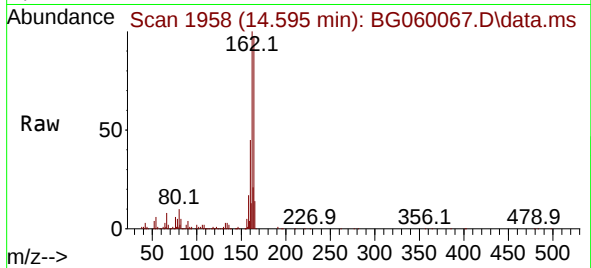




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

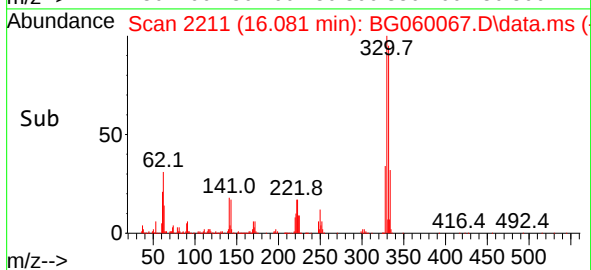
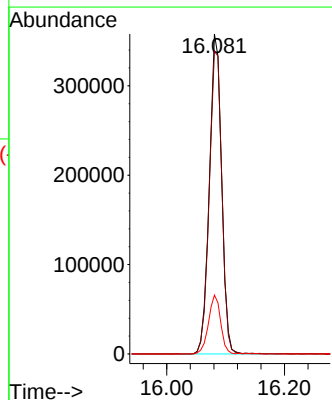
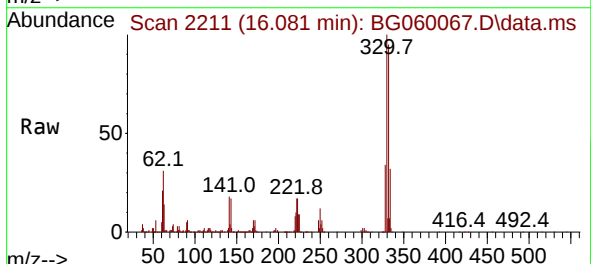
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-14-15

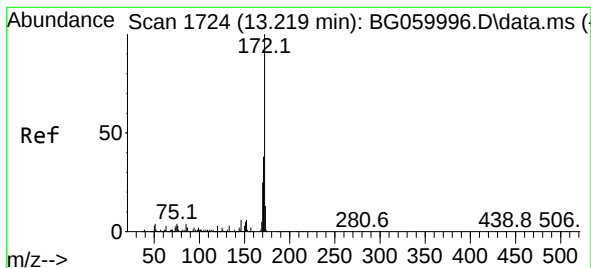
Tgt Ion:164 Resp: 183657
Ion Ratio Lower Upper
164 100
162 103.5 88.1 132.1
160 46.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 120.787 ng
RT: 16.081 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

Tgt Ion:330 Resp: 516977
Ion Ratio Lower Upper
330 100
332 97.6 76.2 114.4
141 18.3 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 69.350 ng

RT: 13.214 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG060067.D

Acq: 18 Dec 2023 15:31

Instrument :

BNA_G

ClientSampleId :

RT-SB-07-14-15

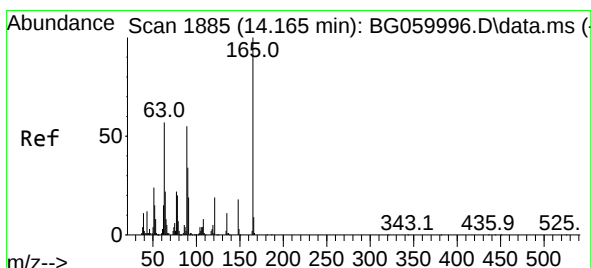
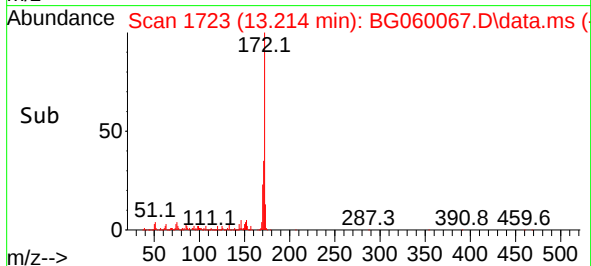
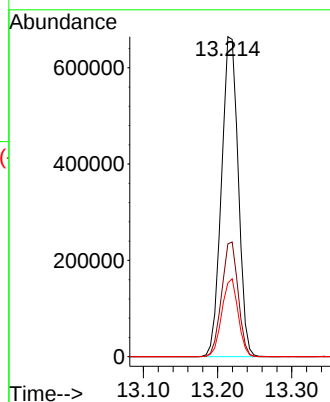
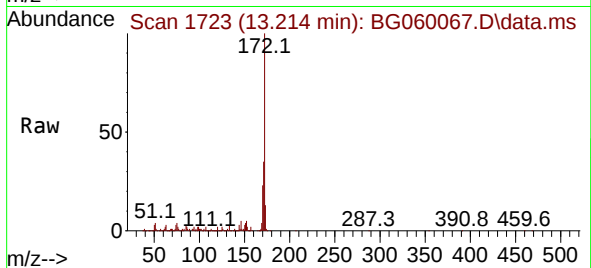
Tgt Ion:172 Resp: 1040660

Ion Ratio Lower Upper

172 100

171 35.2 30.1 45.1

170 23.0 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.026 ng

RT: 14.595 min Scan# 1958

Delta R.T. 0.429 min

Lab File: BG060067.D

Acq: 18 Dec 2023 15:31

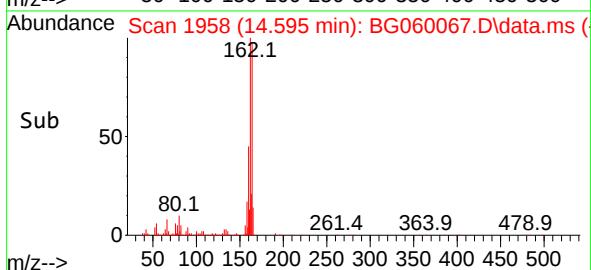
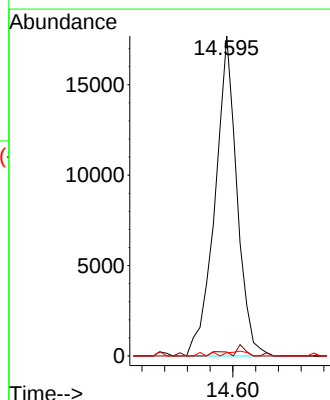
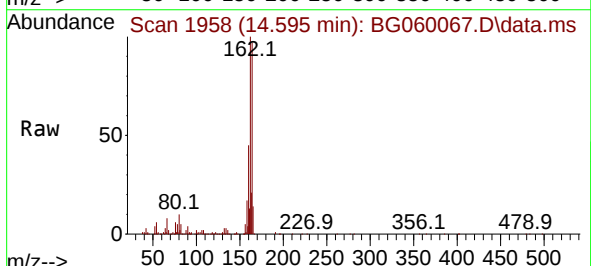
Tgt Ion:165 Resp: 23700

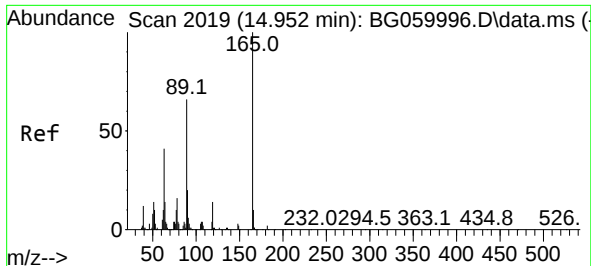
Ion Ratio Lower Upper

165 100

63 1.3 48.2 72.2#

89 1.0 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 5.709 ng

RT: 14.595 min Scan# 1958

Delta R.T. -0.358 min

Lab File: BG060067.D

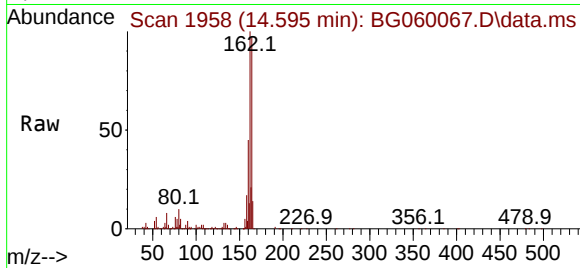
Acq: 18 Dec 2023 15:31

Instrument :

BNA_G

ClientSampleId :

RT-SB-07-14-15



Tgt Ion:165 Resp: 23700

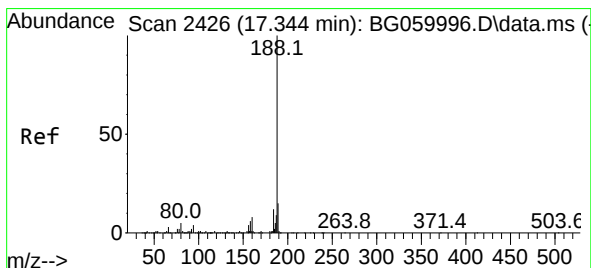
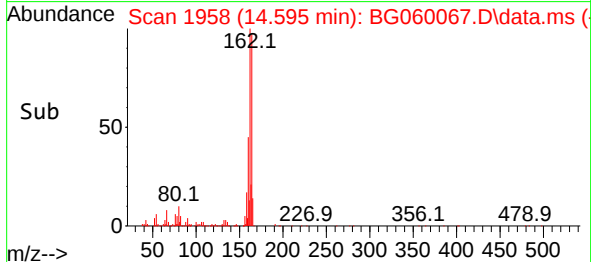
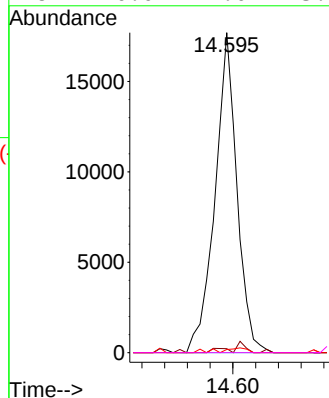
Ion Ratio Lower Upper

165 100

63 1.3 32.8 49.2#

89 1.0 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 2426

Delta R.T. 0.000 min

Lab File: BG060067.D

Acq: 18 Dec 2023 15:31

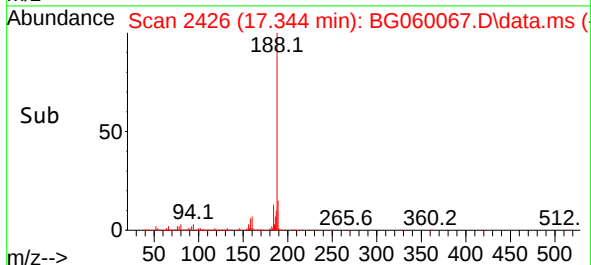
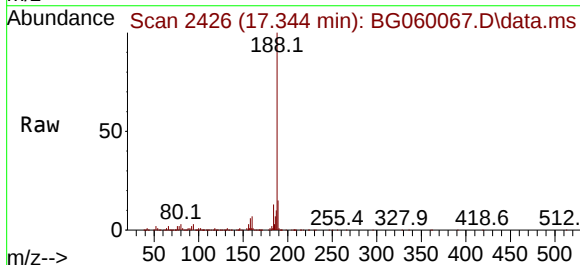
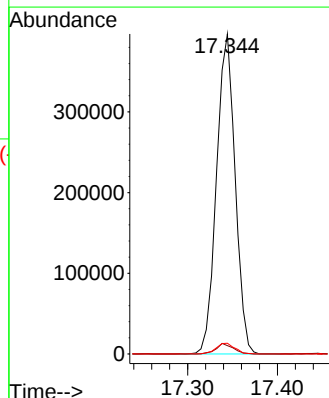
Tgt Ion:188 Resp: 570972

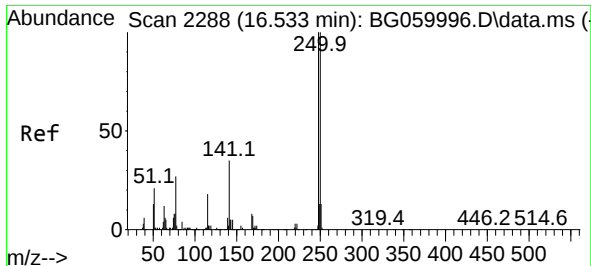
Ion Ratio Lower Upper

188 100

94 2.6 3.0 4.6#

80 3.4 4.0 6.0#

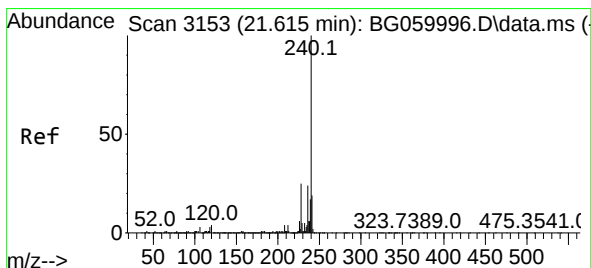
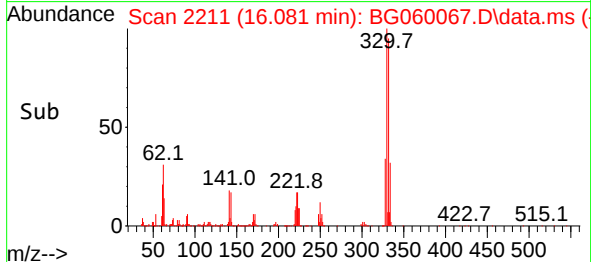
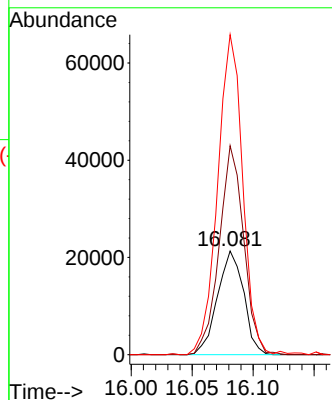
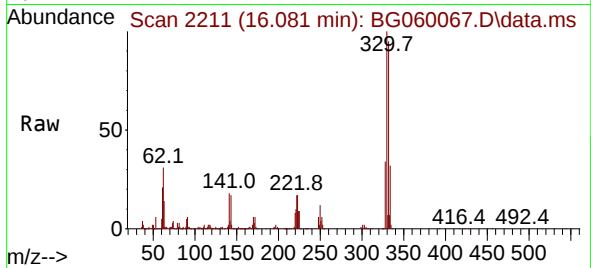




#67
4-Bromophenyl-phenylether
Concen: 3.959 ng
RT: 16.081 min Scan# 211
Delta R.T. -0.452 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

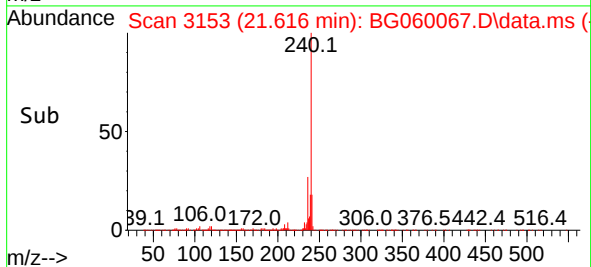
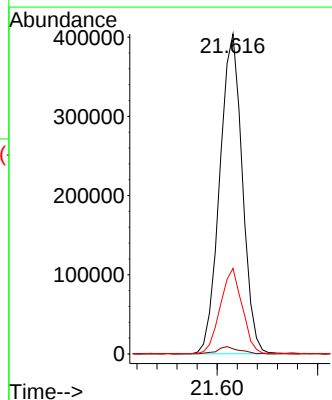
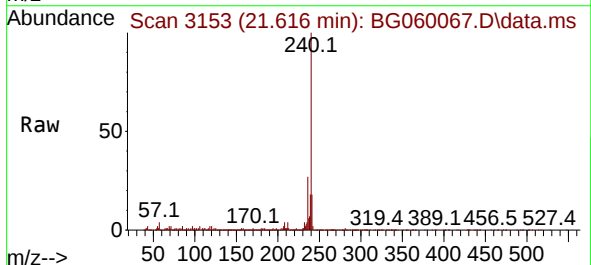
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-14-15

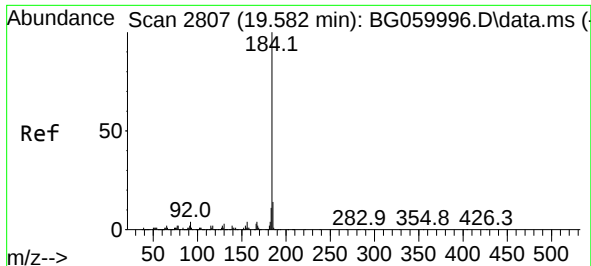
Tgt Ion:248 Resp: 31894
Ion Ratio Lower Upper
248 100
250 201.7 79.9 119.9#
141 308.7 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

Tgt Ion:240 Resp: 629426
Ion Ratio Lower Upper
240 100
120 1.6 2.9 4.3#
236 26.7 19.4 29.2

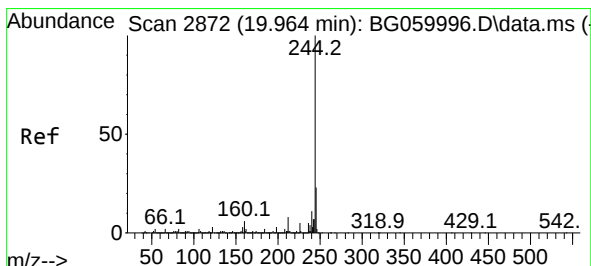
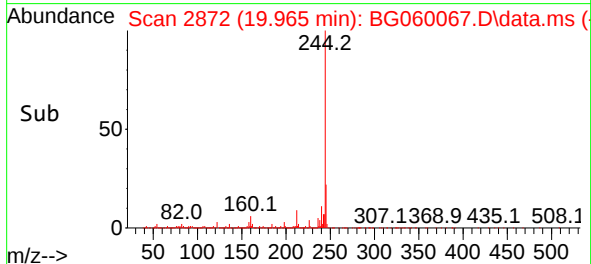
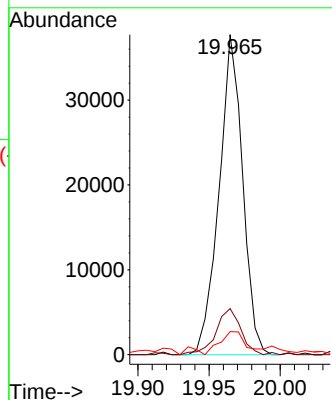
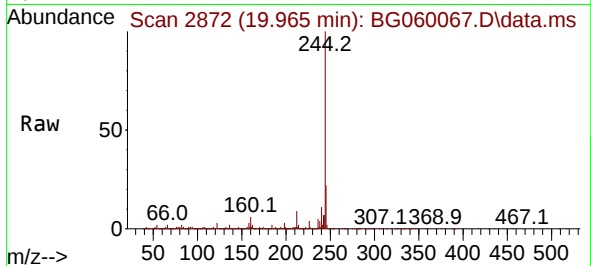




#77
Benzidine
Concen: 5.365 ng
RT: 19.965 min Scan# 2807
Delta R.T. 0.382 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

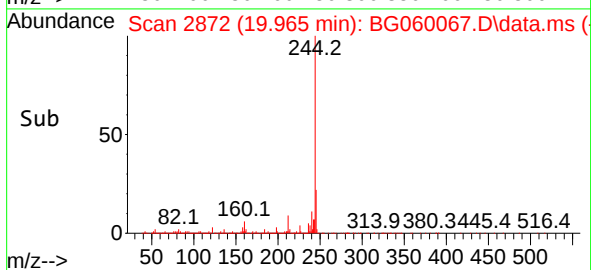
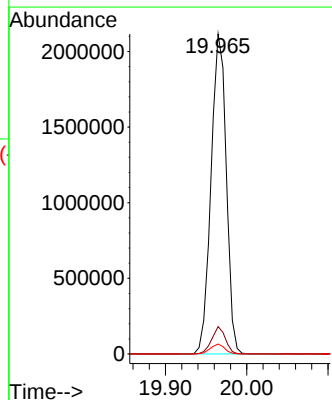
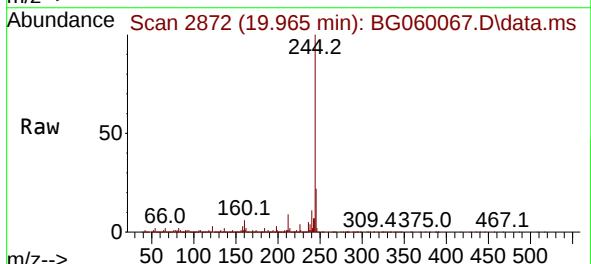
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-14-15

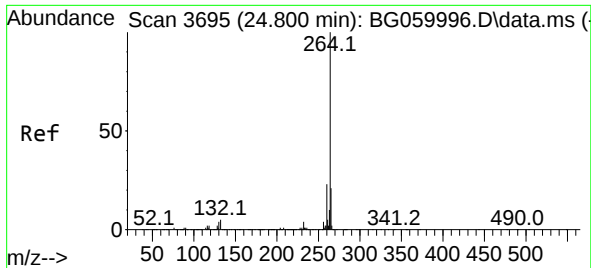
Tgt Ion:184 Resp: 43374
Ion Ratio Lower Upper
184 100
185 14.4 11.1 16.7
183 7.2 9.0 13.4#



#79
Terphenyl-d14
Concen: 79.760 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.000 min
Lab File: BG060067.D
Acq: 18 Dec 2023 15:31

Tgt Ion:244 Resp: 2749788
Ion Ratio Lower Upper
244 100
212 8.5 6.8 10.2
122 3.1 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.806 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BG060067.D
 Acq: 18 Dec 2023 15:31

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-07-14-15

Tgt Ion:264 Resp: 680116
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.5 27.7
 265 21.2 17.3 25.9

