

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060041.D
 Acq On : 15 Dec 2023 18:32
 Operator : MA/JU
 Sample : 05827-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-13.75-14.75

Quant Time: Dec 16 02:04:32 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)

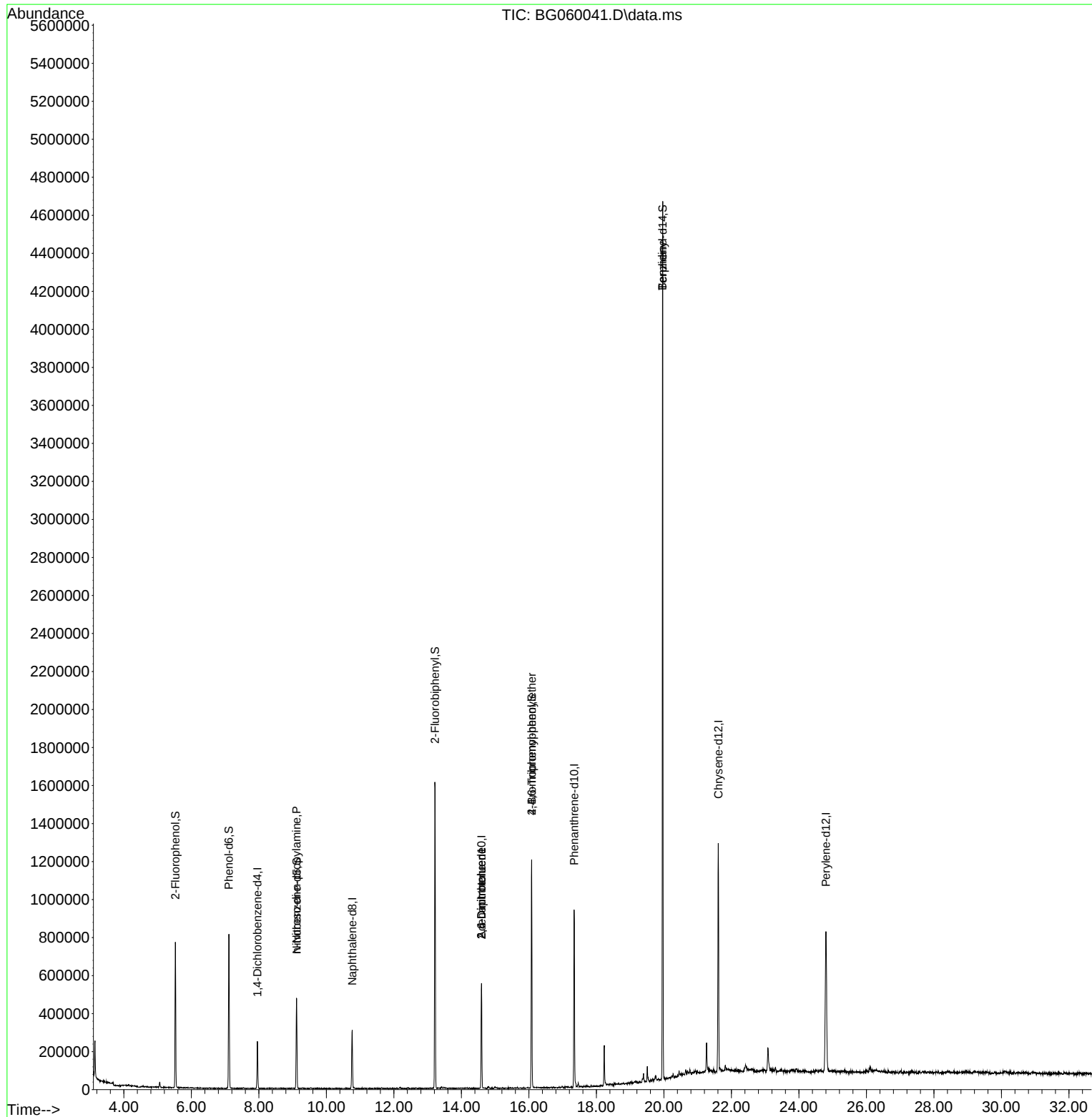
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	63020	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	238614	20.000	ng	# 0.00
39) Acenaphthene-d10	14.595	164	202478	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	644957	20.000	ng	0.00
76) Chrysene-d12	21.610	240	787953	20.000	ng	0.00
86) Perylene-d12	24.801	264	917451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	280466	76.185	ng	0.00
7) Phenol-d6	7.110	99	406538	78.505	ng	0.00
23) Nitrobenzene-d5	9.119	82	270277	51.434	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	286547	60.726	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	899839	54.392	ng	0.00
79) Terphenyl-d14	19.965	244	2595024	60.127	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.113	70	37712	11.288	ng	# 80
51) 2,6-Dinitrotoluene	14.595	165	27015	8.298	ng	# 24
57) 2,4-Dinitrotoluene	14.595	165	27015	5.903	ng	# 27
67) 4-Bromophenyl-phenylether	16.081	248	19515	2.145	ng	# 1
69) Atrazine	16.792	200	70	Below Cal		# 34
77) Benzidine	19.959	184	36322	3.589	ng	# 94

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

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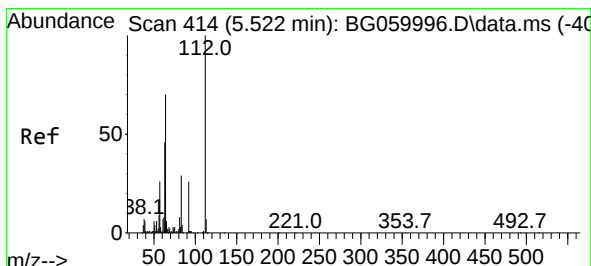
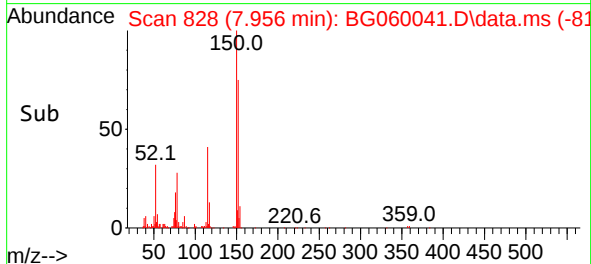
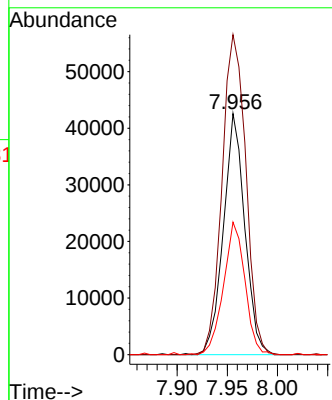
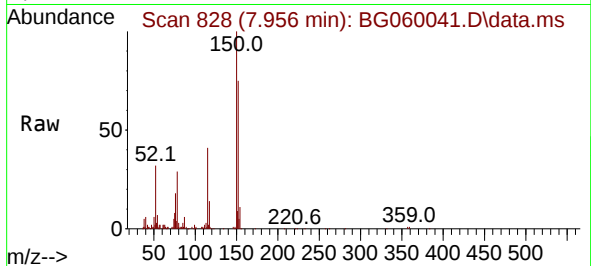




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.956 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

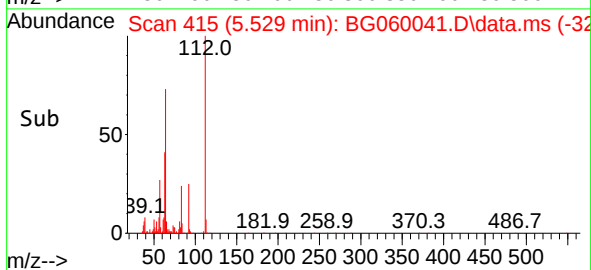
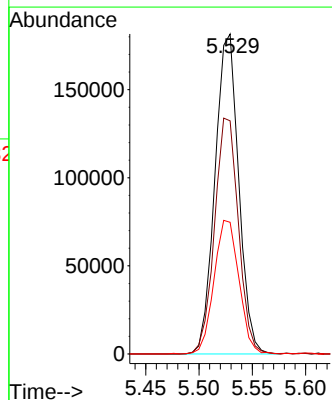
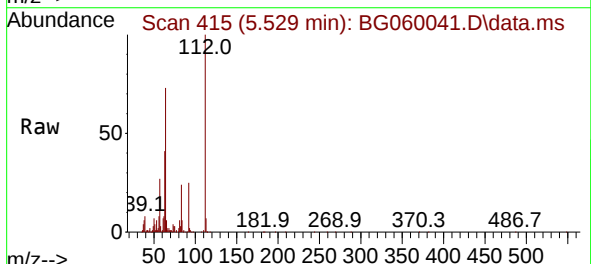
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

Tgt Ion:152 Resp: 63020
Ion Ratio Lower Upper
152 100
150 132.7 127.0 190.6
115 54.9 45.7 68.5



#5
2-Fluorophenol
Concen: 76.185 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:112 Resp: 280466
Ion Ratio Lower Upper
112 100
64 72.8 55.9 83.9
63 41.1 36.5 54.7

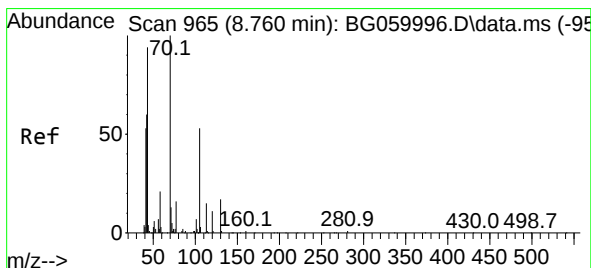
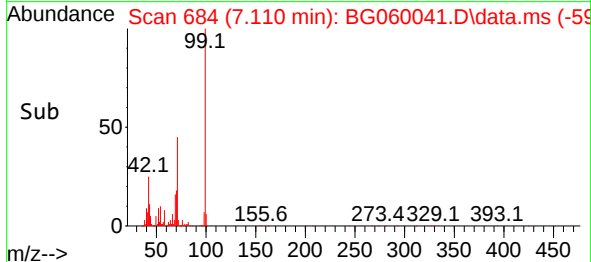
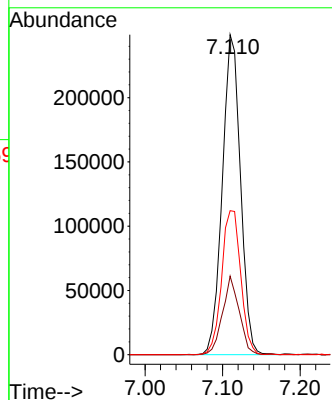
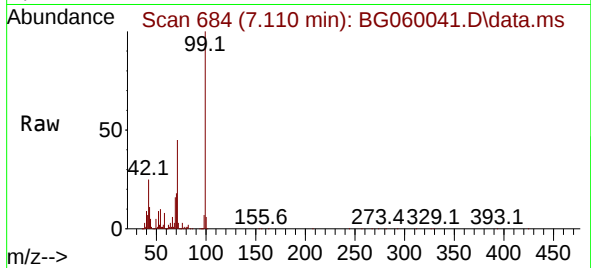




#7
Phenol-d6
Concen: 78.505 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

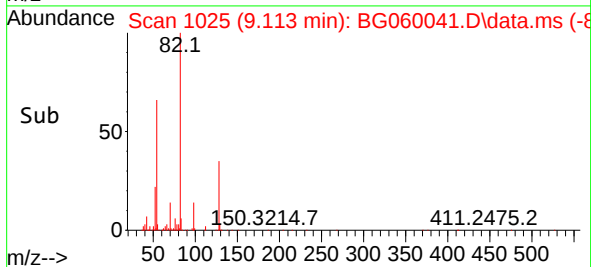
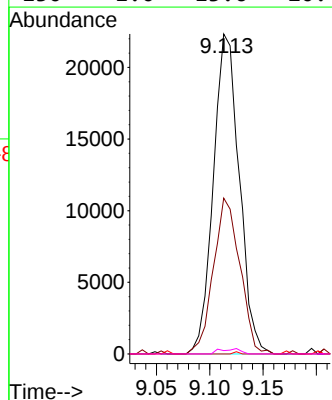
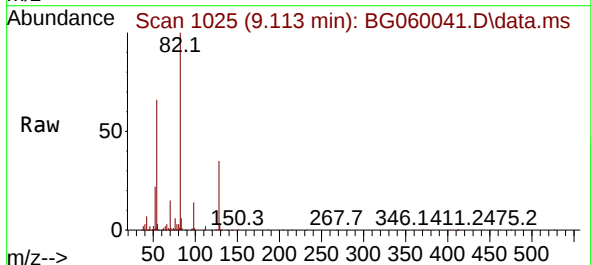
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

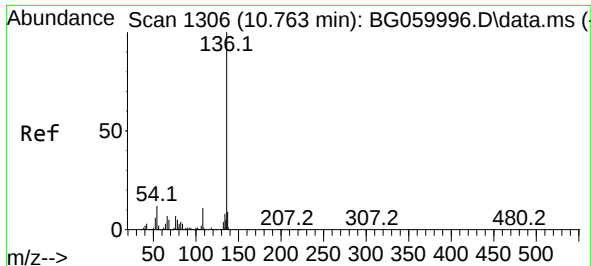
Tgt Ion: 99 Resp: 406538
Ion Ratio Lower Upper
99 100
42 24.6 16.2 24.4#
71 45.0 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.288 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.353 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion: 70 Resp: 37712
Ion Ratio Lower Upper
70 100
42 48.7 48.6 73.0
101 0.0 5.7 8.5#
130 1.0 13.6 20.4#

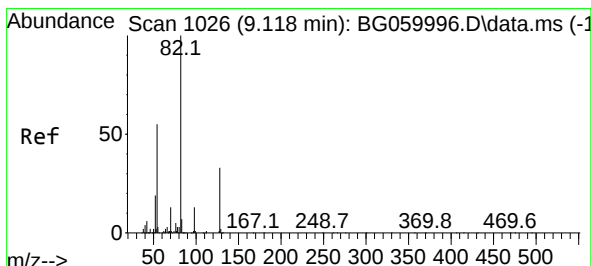
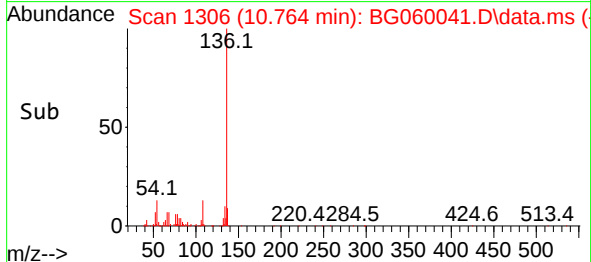
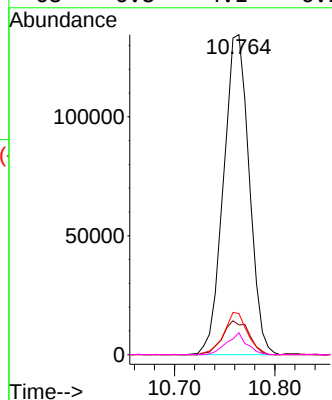
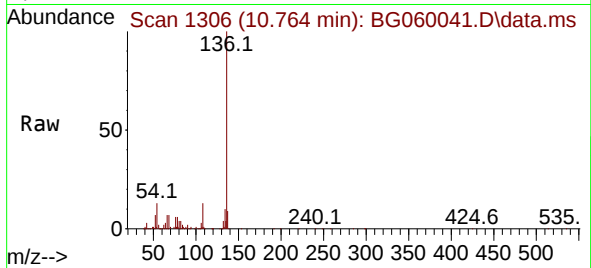




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

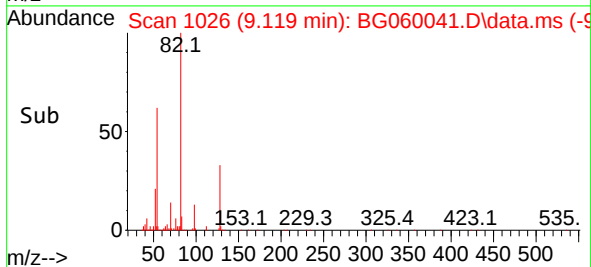
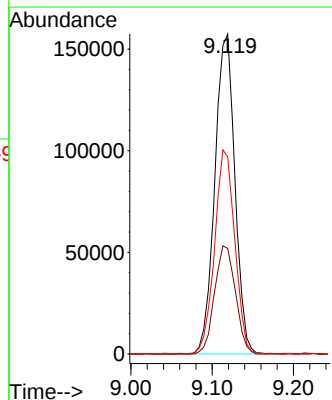
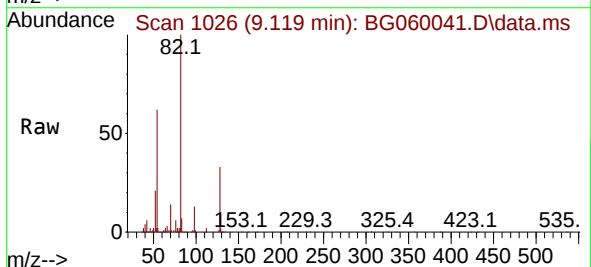
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

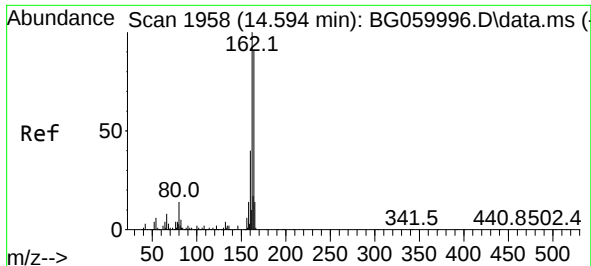
Tgt Ion:	136	Resp:	238614
Ion	Ratio	Lower	Upper
136	100		
137	9.3	7.3	10.9
54	12.9	9.6	14.4
68	6.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 51.434 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:	82	Resp:	270277
Ion	Ratio	Lower	Upper
82	100		
128	33.0	26.3	39.5
54	61.6	44.3	66.5

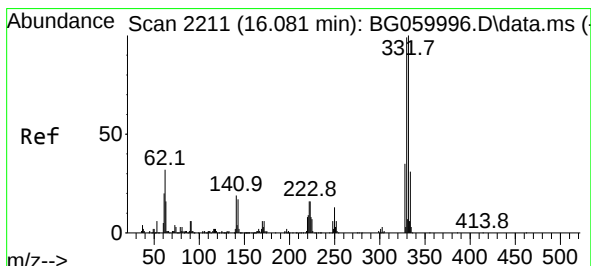
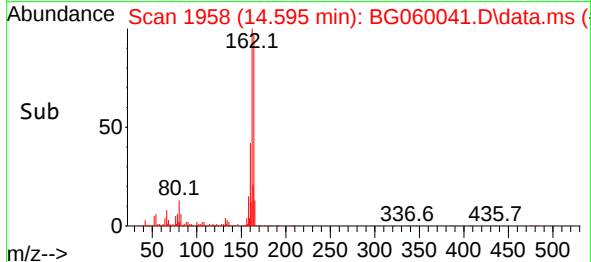
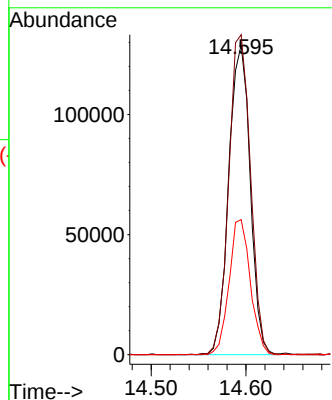
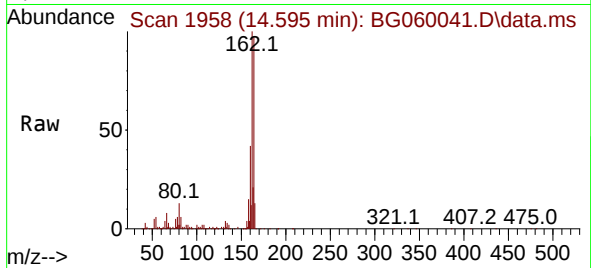




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

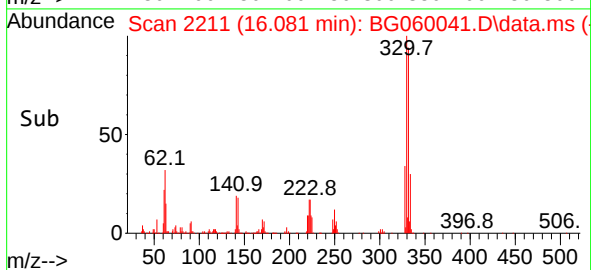
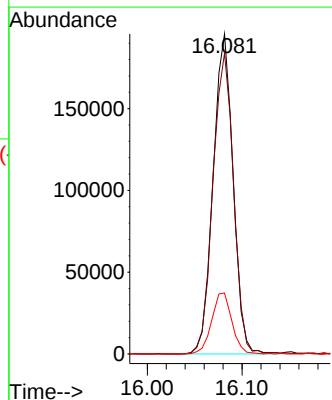
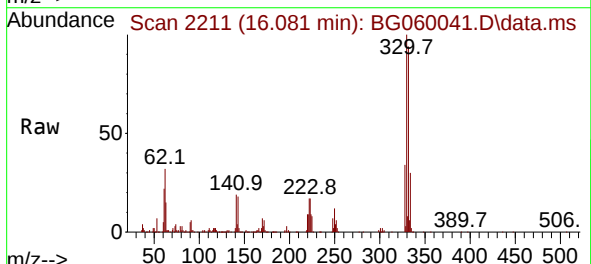
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

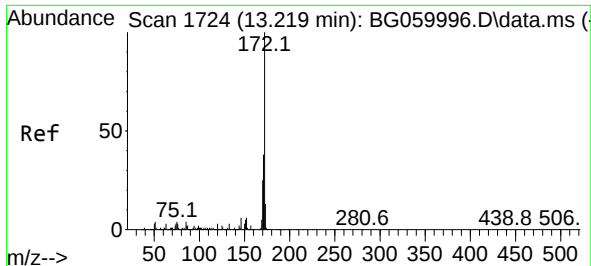
Tgt Ion:164 Resp: 202478
Ion Ratio Lower Upper
164 100
162 103.3 88.1 132.1
160 43.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 60.726 ng
RT: 16.081 min Scan# 2211
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:330 Resp: 286547
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 19.3 14.3 21.5

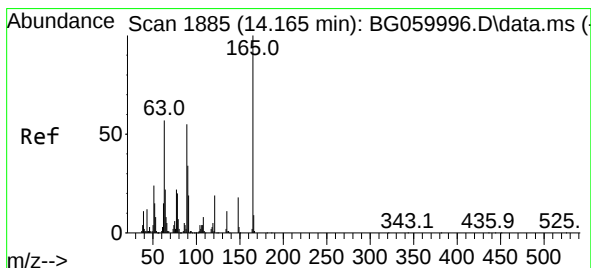
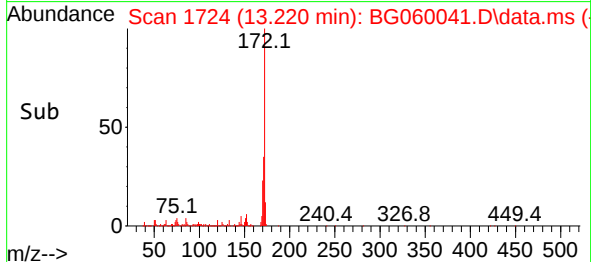
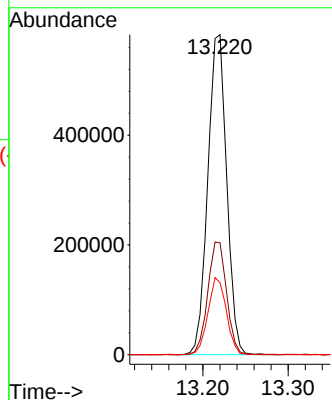
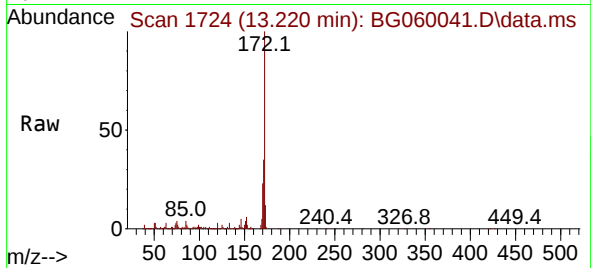




#45
2-Fluorobiphenyl
Concen: 54.392 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

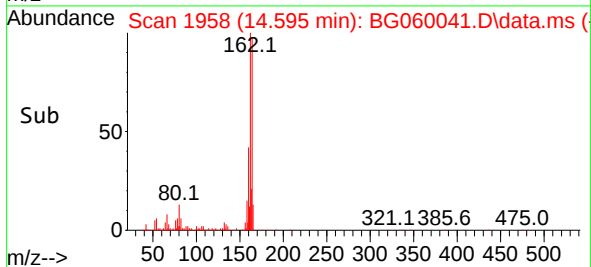
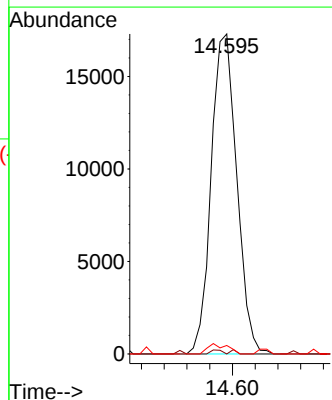
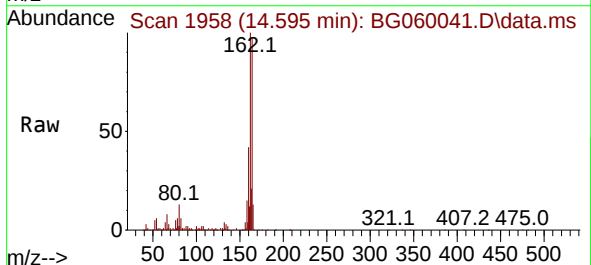
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

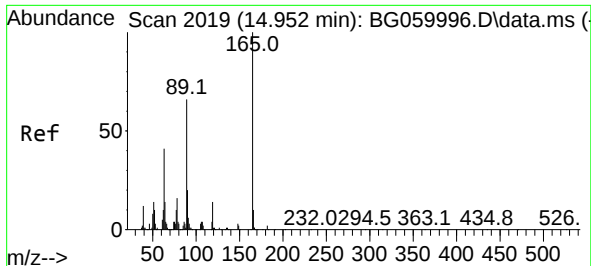
Tgt Ion:172 Resp: 899839
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 22.5 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.298 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.430 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:165 Resp: 27015
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 2.7 44.4 66.6#

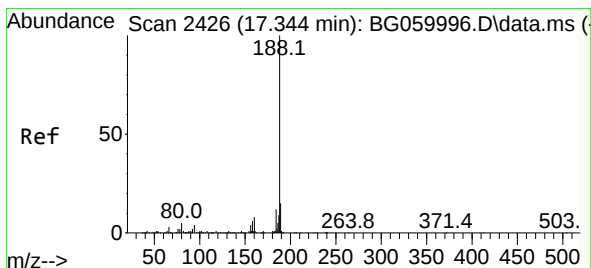
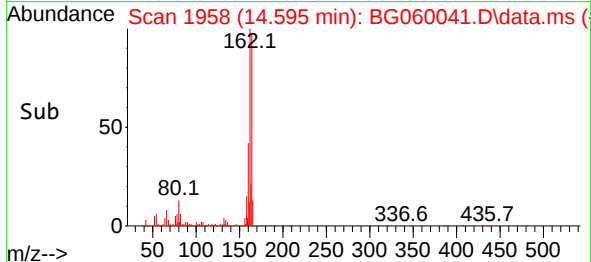
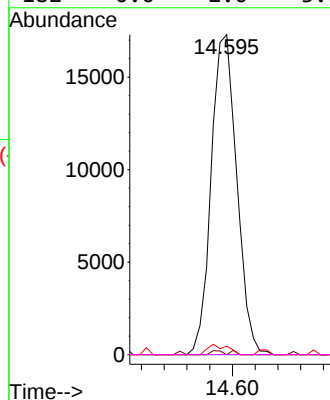
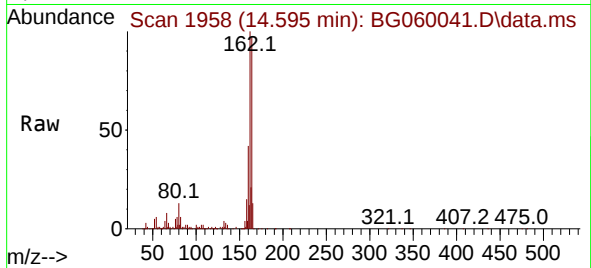




#57
2,4-Dinitrotoluene
Concen: 5.903 ng
RT: 14.595 min Scan# 1958
Delta R.T. -0.358 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

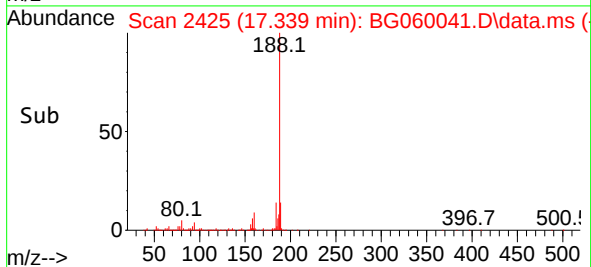
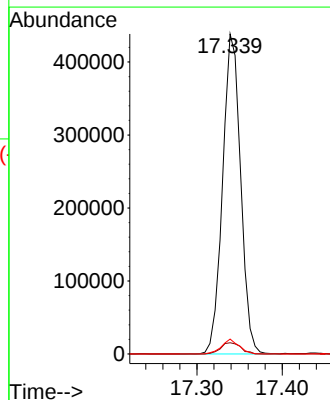
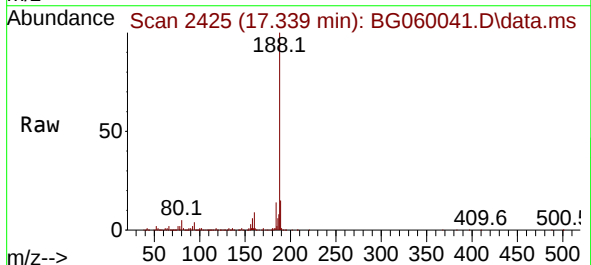
Instrument :
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ClientSampleId :
RT-SB-09-13.75-14.75

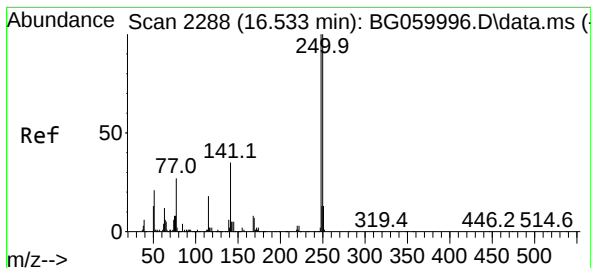
Tgt Ion:	165	Resp:	27015
Ion Ratio	Lower	Upper	
165	100		
63	0.0	32.8	49.2#
89	2.7	53.0	79.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:	188	Resp:	644957
Ion Ratio	Lower	Upper	
188	100		
94	3.5	3.0	4.6
80	4.7	4.0	6.0





#67

4-Bromophenyl-phenylether

Concen: 2.145 ng

RT: 16.081 min Scan# 21

Delta R.T. -0.452 min

Lab File: BG060041.D

Acq: 15 Dec 2023 18:32

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-13.75-14.75

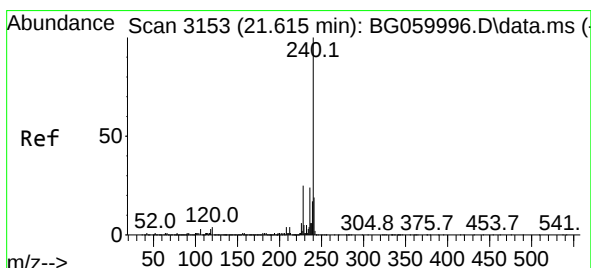
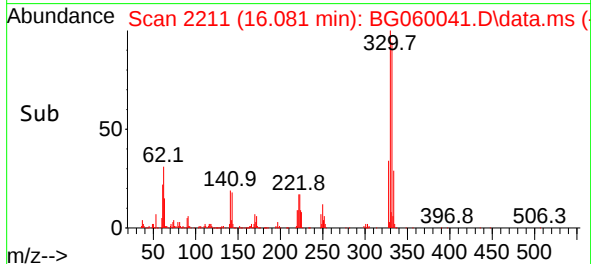
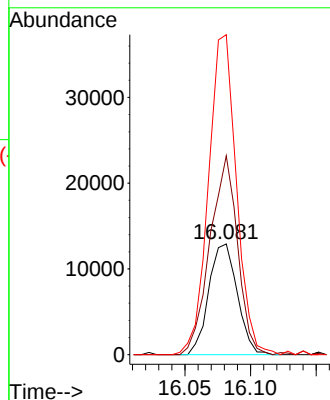
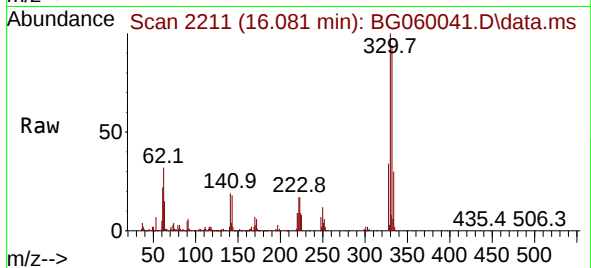
Tgt Ion:248 Resp: 19515

Ion Ratio Lower Upper

248 100

250 179.6 79.9 119.9#

141 288.9 28.3 42.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BG060041.D

Acq: 15 Dec 2023 18:32

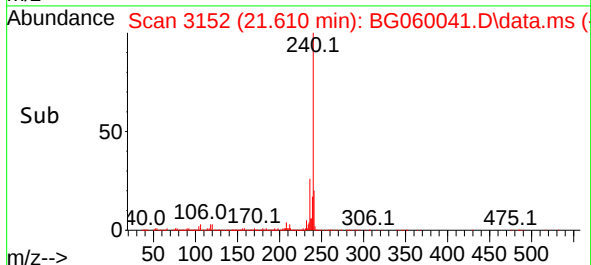
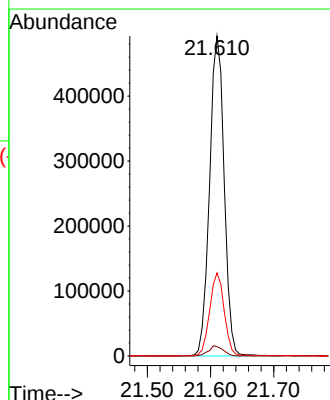
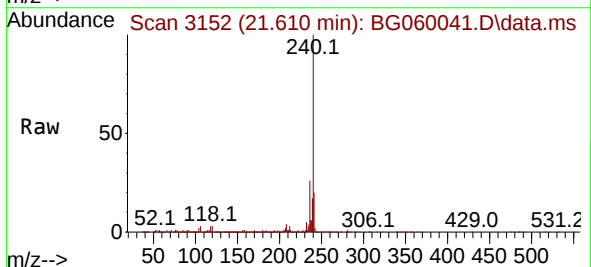
Tgt Ion:240 Resp: 787953

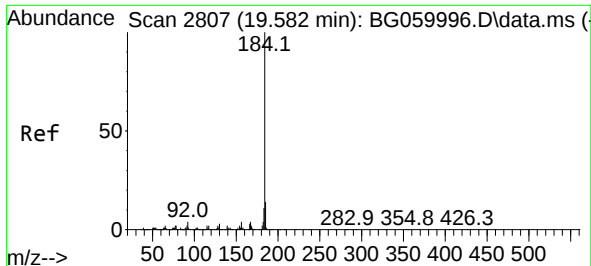
Ion Ratio Lower Upper

240 100

120 2.9 2.9 4.3

236 25.9 19.4 29.2

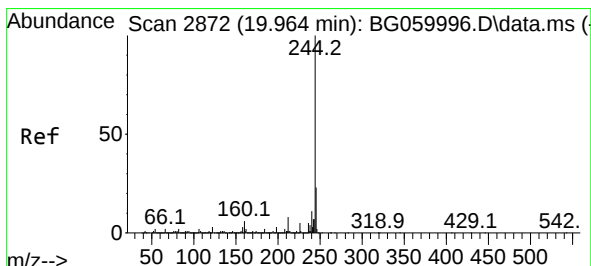
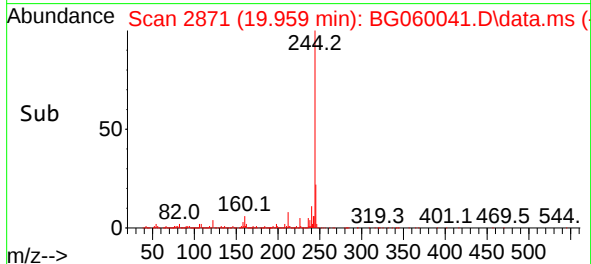
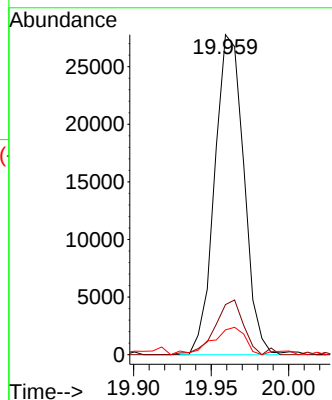
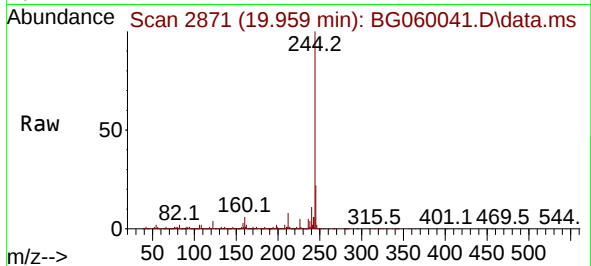




#77
Benzidine
Concen: 3.589 ng
RT: 19.959 min Scan# 2807
Delta R.T. 0.377 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

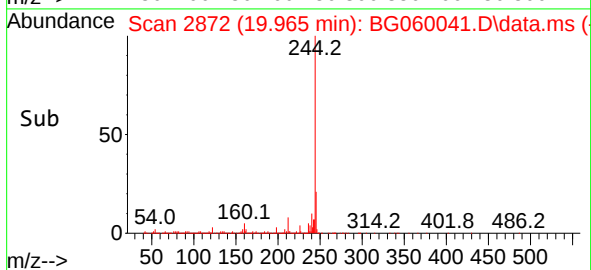
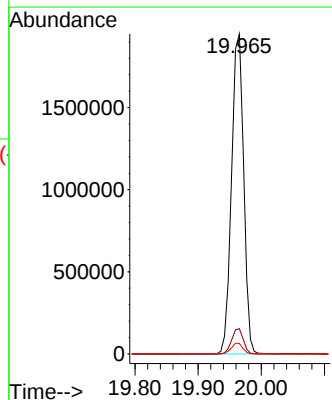
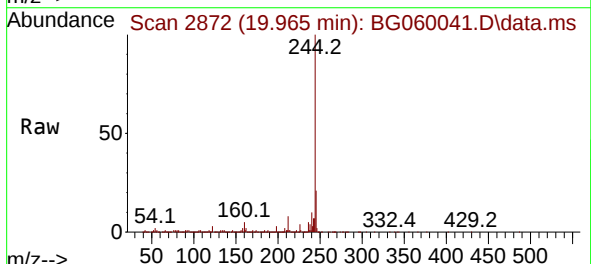
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-13.75-14.75

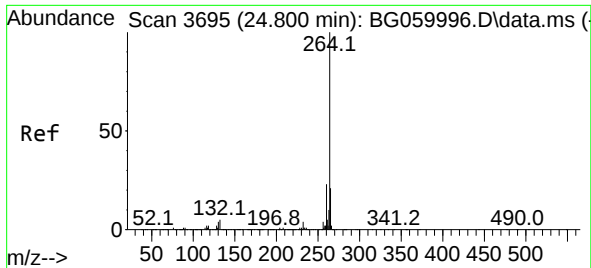
Tgt Ion:184 Resp: 36322
Ion Ratio Lower Upper
184 100
185 15.7 11.1 16.7
183 7.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 60.127 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.001 min
Lab File: BG060041.D
Acq: 15 Dec 2023 18:32

Tgt Ion:244 Resp: 2595024
Ion Ratio Lower Upper
244 100
212 7.9 6.8 10.2
122 3.3 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.801 min Scan# 30
 Delta R.T. 0.001 min
 Lab File: BG060041.D
 Acq: 15 Dec 2023 18:32

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-13.75-14.75

Tgt Ion:	264	Resp:	917451
Ion	Ratio	Lower	Upper
264	100		
260	26.1	18.5	27.7
265	23.3	17.3	25.9

