

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060032.D
 Acq On : 15 Dec 2023 12:27
 Operator : MA/JU
 Sample : 05827-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-07-23.5-24.5

Quant Time: Dec 15 13:05:44 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)

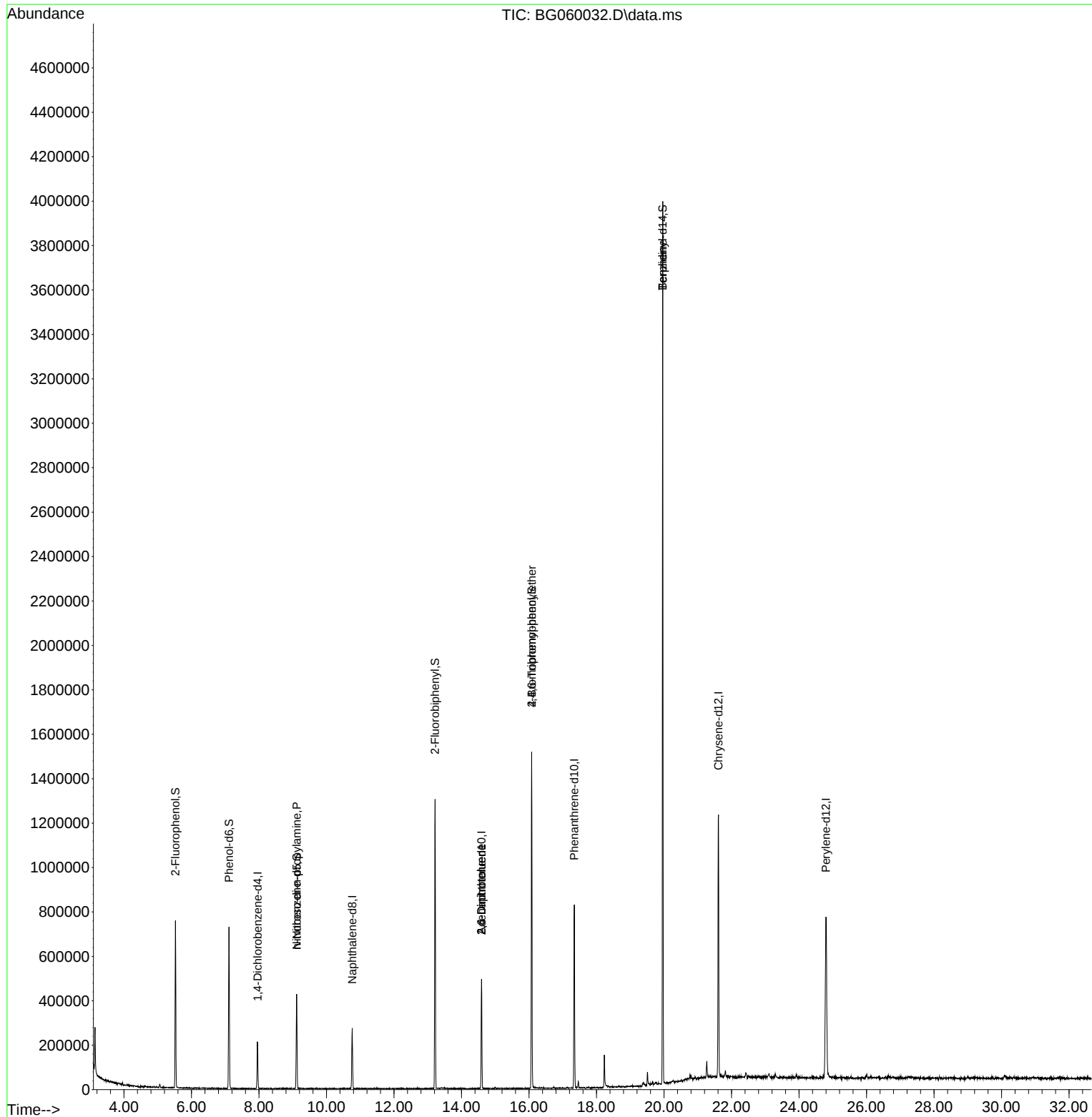
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	55721	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	210926	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	171364	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	574377	20.000	ng	0.00
76) Chrysene-d12	21.613	240	793739	20.000	ng	0.00
86) Perylene-d12	24.798	264	921431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	275913	84.766	ng	0.00
7) Phenol-d6	7.113	99	377226	82.387	ng	0.00
23) Nitrobenzene-d5	9.116	82	247394	53.259	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	362662	90.811	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	711631	50.825	ng	0.00
79) Terphenyl-d14	19.962	244	2075129	47.731	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.116	70	34104	11.545	ng	# 76
51) 2,6-Dinitrotoluene	14.592	165	25627	9.301	ng	# 25
57) 2,4-Dinitrotoluene	14.592	165	25627	6.616	ng	# 29
67) 4-Bromophenyl-phenylether	16.079	248	21444	2.646	ng	# 1
69) Atrazine	16.978	200	227	Below Cal		84
77) Benzidine	19.962	184	28276	2.773	ng	# 83

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

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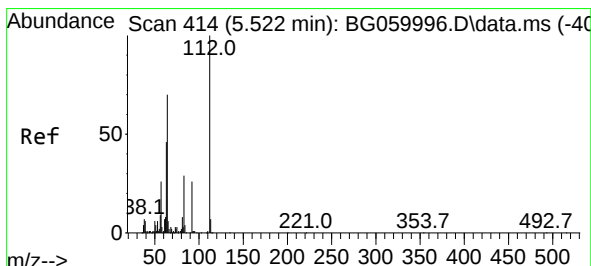
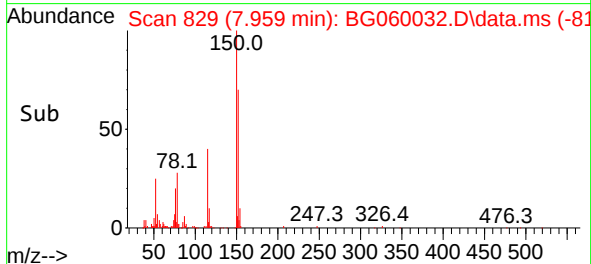
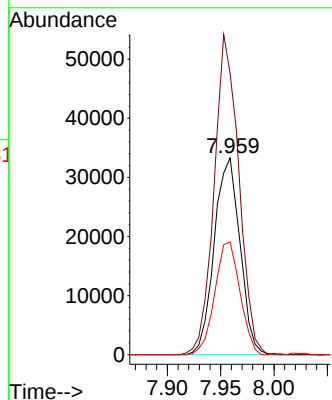
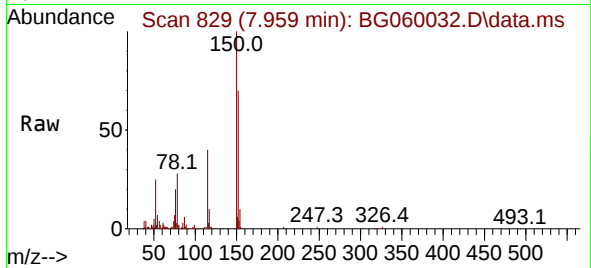




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

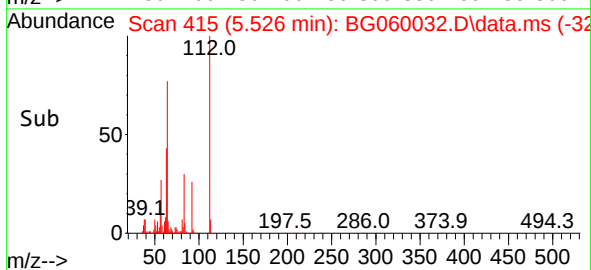
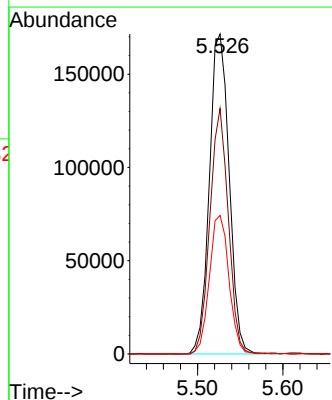
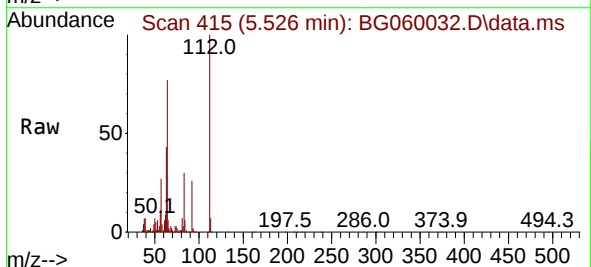
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

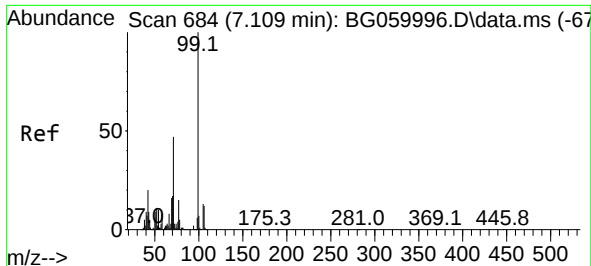
Tgt Ion:152 Resp: 55721
Ion Ratio Lower Upper
152 100
150 142.8 127.0 190.6
115 57.2 45.7 68.5



#5
2-Fluorophenol
Concen: 84.766 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:112 Resp: 275913
Ion Ratio Lower Upper
112 100
64 76.7 55.9 83.9
63 43.3 36.5 54.7

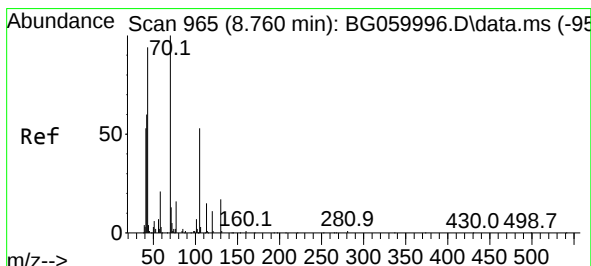
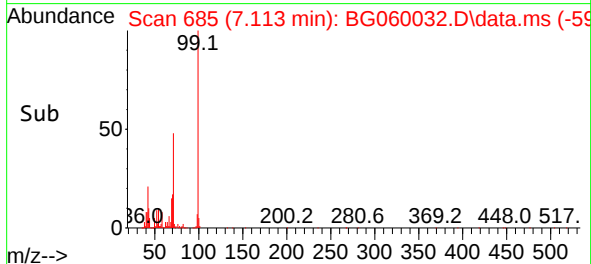
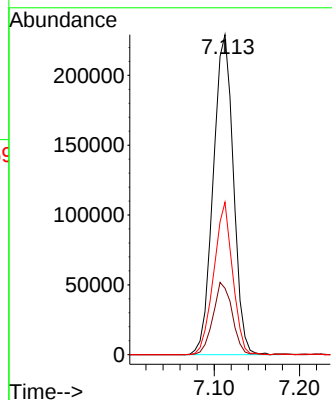
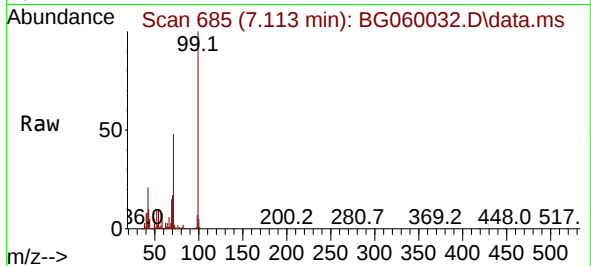




#7
Phenol-d6
Concen: 82.387 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

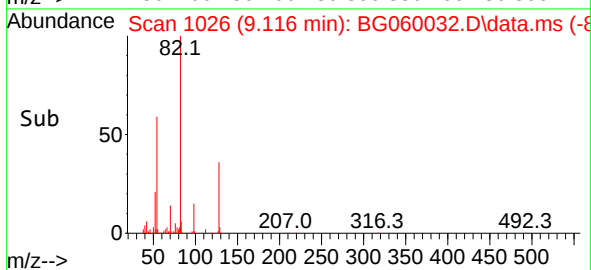
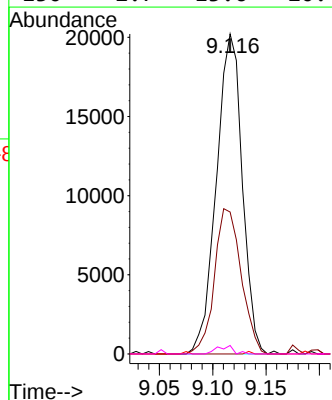
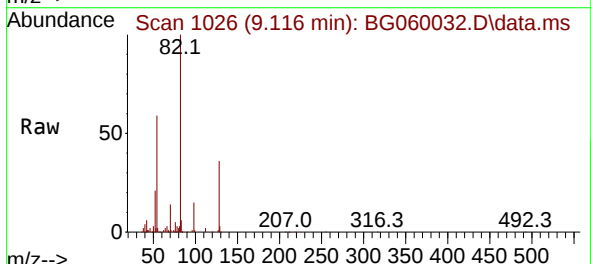
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

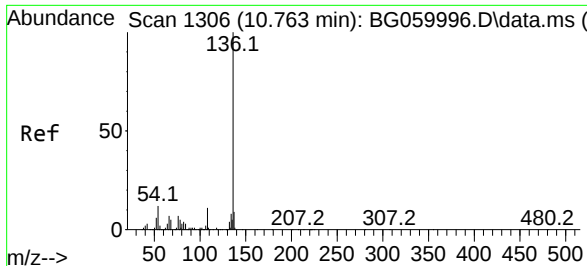
Tgt Ion: 99 Resp: 377226
Ion Ratio Lower Upper
99 100
42 20.8 16.2 24.4
71 47.7 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.545 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.356 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion: 70 Resp: 34104
Ion Ratio Lower Upper
70 100
42 44.3 48.6 73.0#
101 0.0 5.7 8.5#
130 2.7 13.6 20.4#

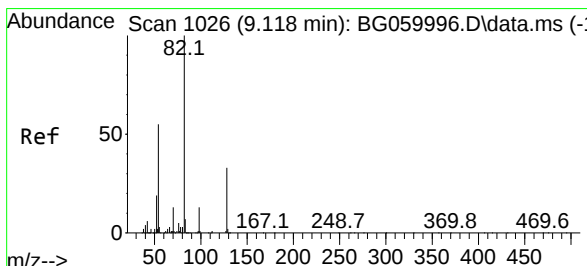
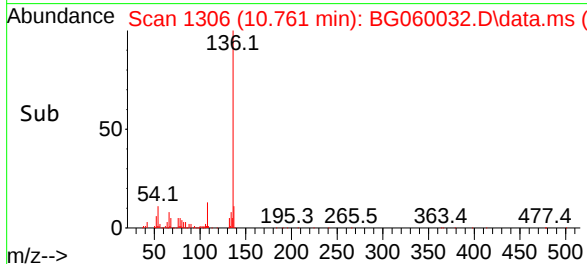
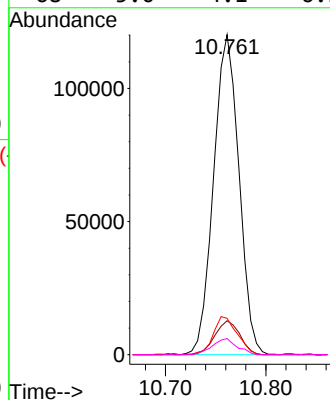
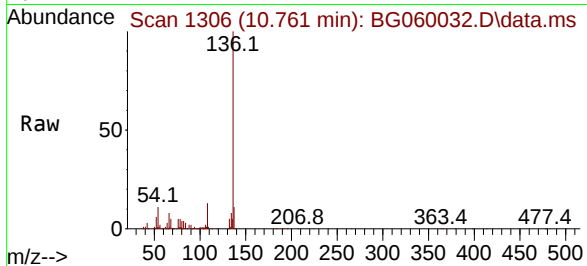




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

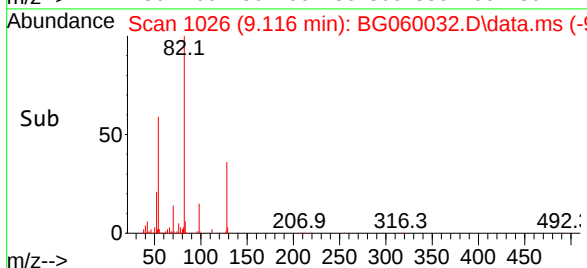
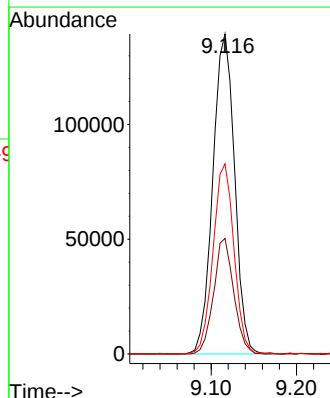
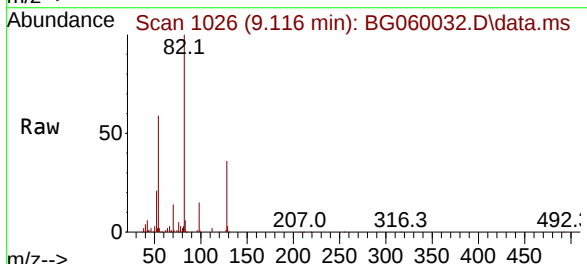
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

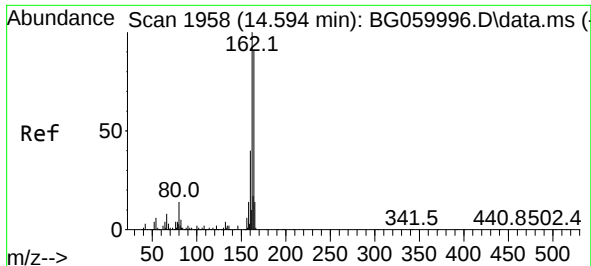
Tgt Ion:	136	Resp:	210926
Ion	Ratio	Lower	Upper
136	100		
137	10.6	7.3	10.9
54	11.3	9.6	14.4
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 53.259 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:	82	Resp:	247394
Ion	Ratio	Lower	Upper
82	100		
128	36.1	26.3	39.5
54	59.5	44.3	66.5

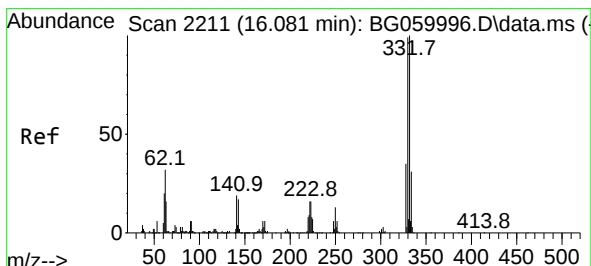
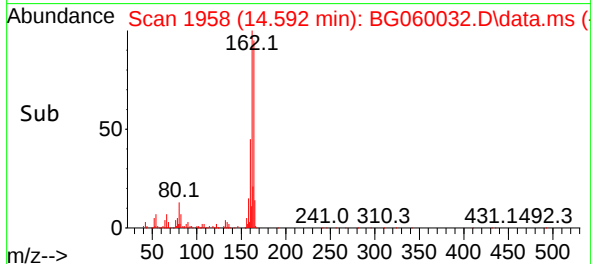
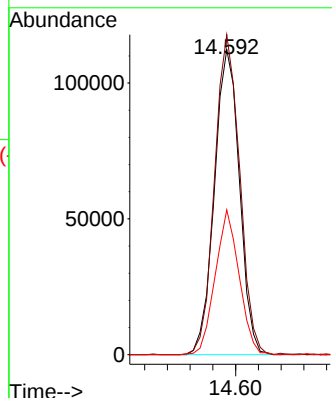
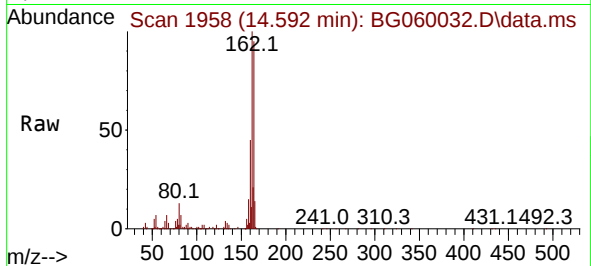




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

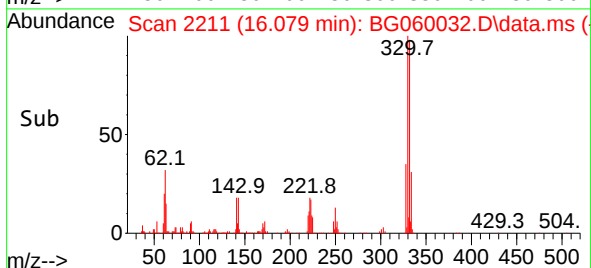
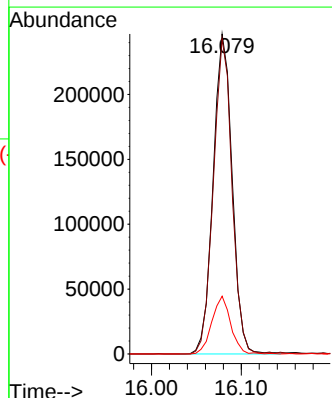
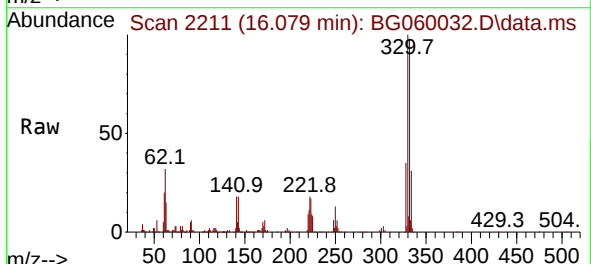
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

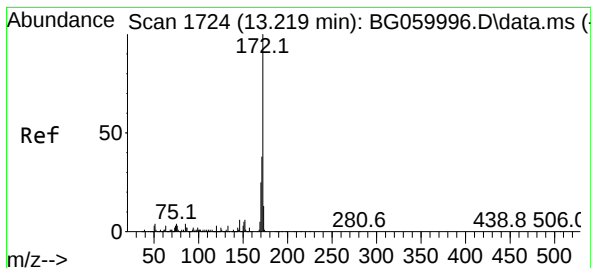
Tgt Ion:164 Resp: 171364
Ion Ratio Lower Upper
164 100
162 104.9 88.1 132.1
160 47.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 90.811 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:330 Resp: 362662
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 17.8 14.3 21.5

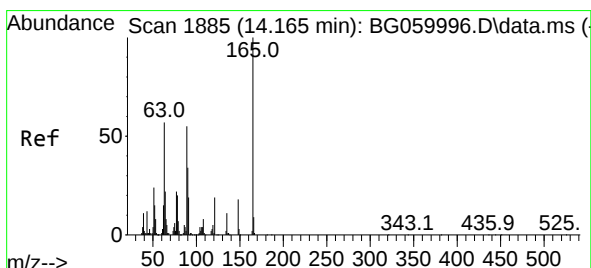
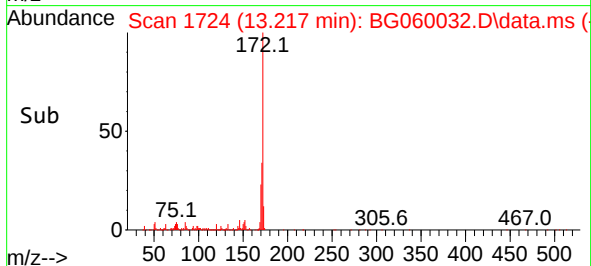
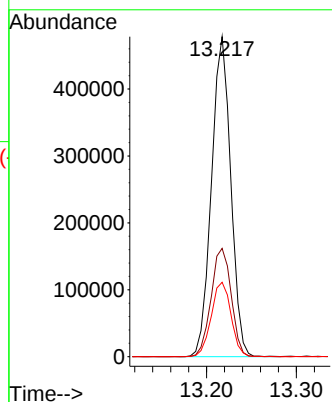
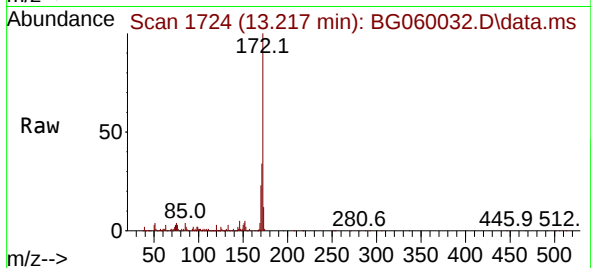




#45
2-Fluorobiphenyl
Concen: 50.825 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

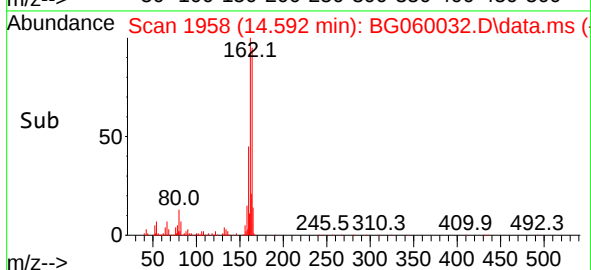
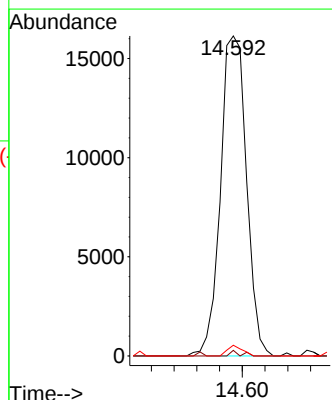
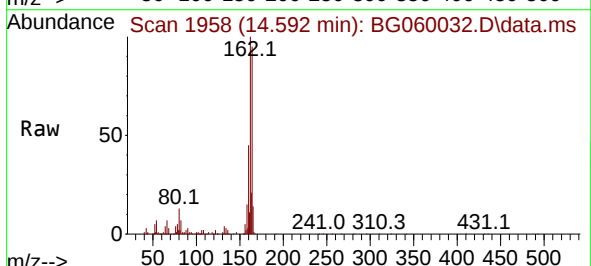
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

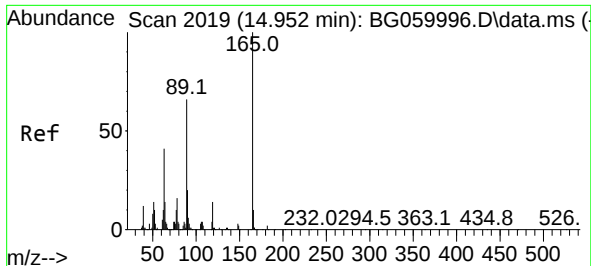
Tgt Ion:172	Resp:	711631
Ion Ratio	Lower	Upper
172	100	
171	33.8	30.1 45.1
170	23.3	20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.301 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:165	Resp:	25627
Ion Ratio	Lower	Upper
165	100	
63	1.8	48.2 72.2#
89	3.4	44.4 66.6#

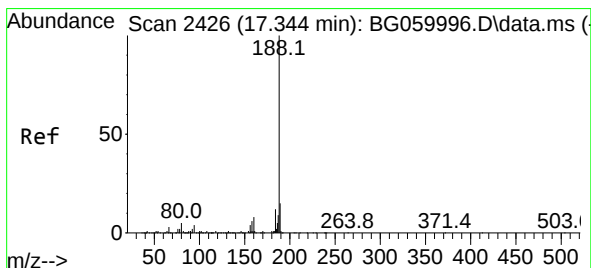
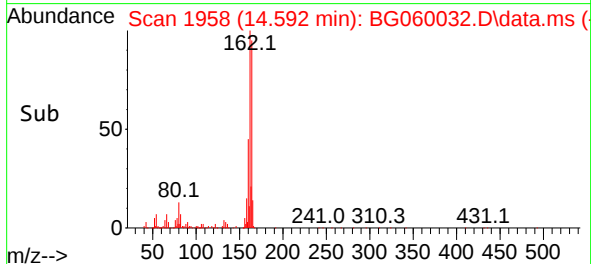
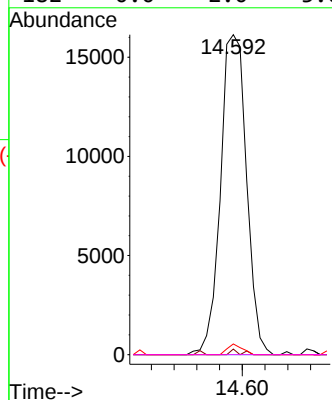
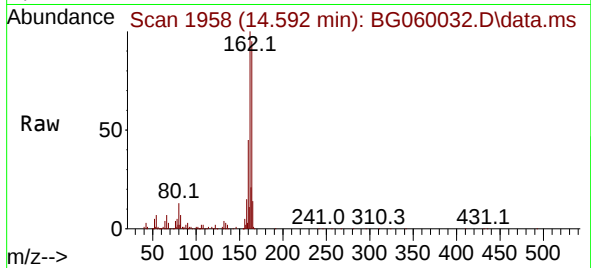




#57
2,4-Dinitrotoluene
Concen: 6.616 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.360 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

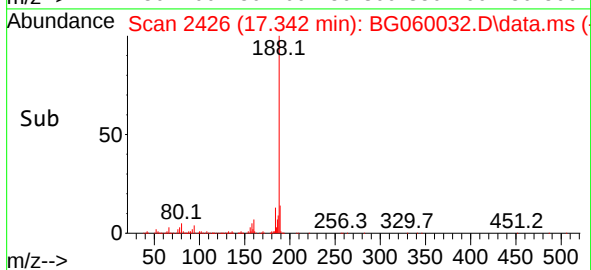
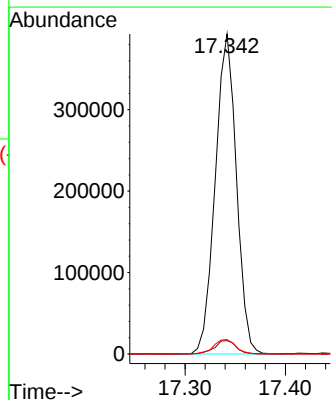
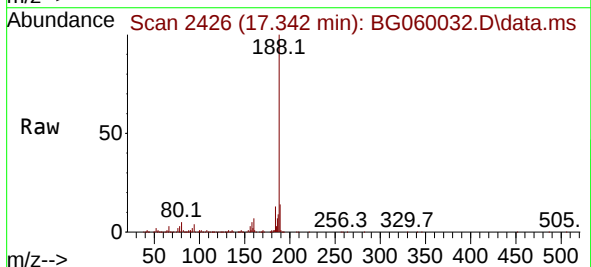
Instrument :
BNA_G
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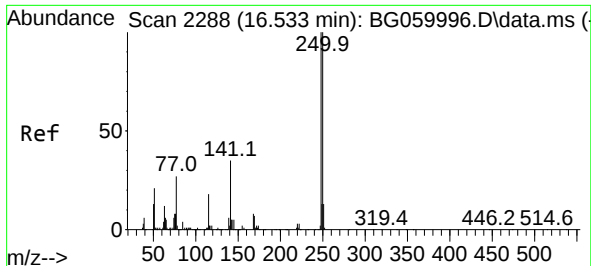
Tgt Ion:	165	Resp:	25627
Ion Ratio	Lower	Upper	
165	100		
63	1.8	32.8	49.2#
89	3.4	53.0	79.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:	188	Resp:	574377
Ion Ratio	Lower	Upper	
188	100		
94	4.2	3.0	4.6
80	4.5	4.0	6.0

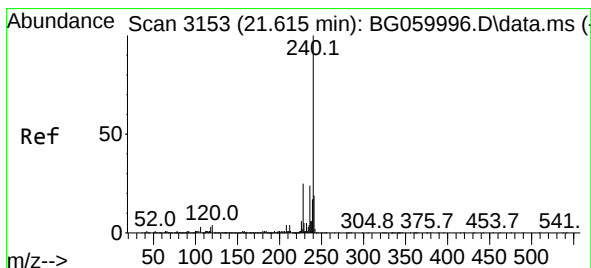
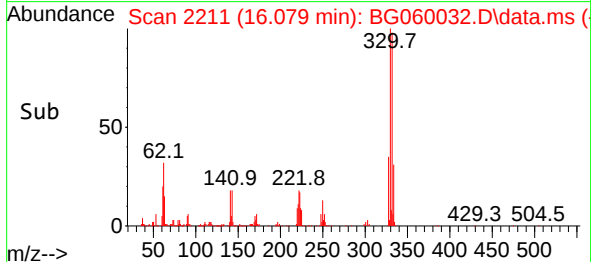
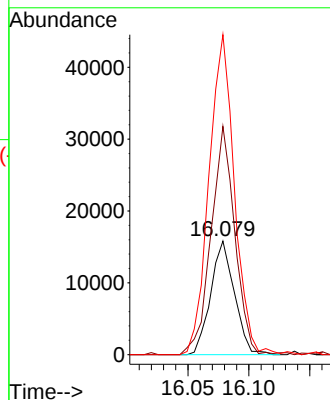
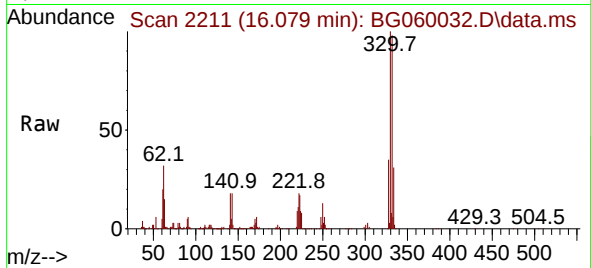




#67
4-Bromophenyl-phenylether
Concen: 2.646 ng
RT: 16.079 min Scan# 2111
Delta R.T. -0.454 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

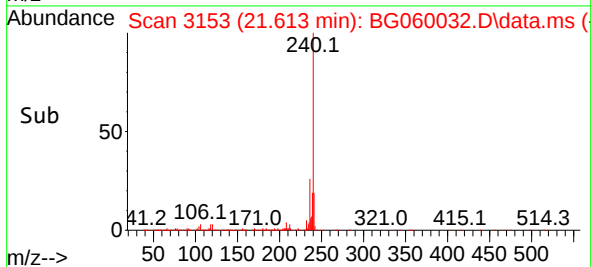
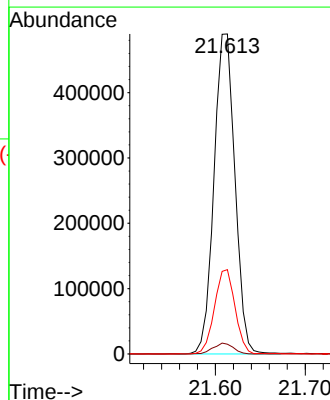
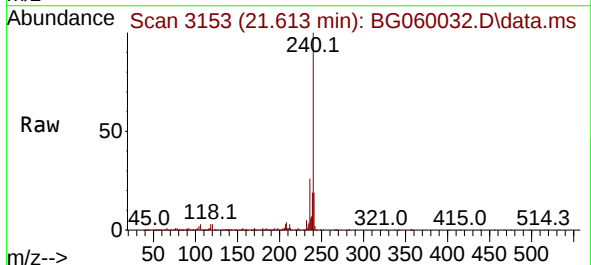
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

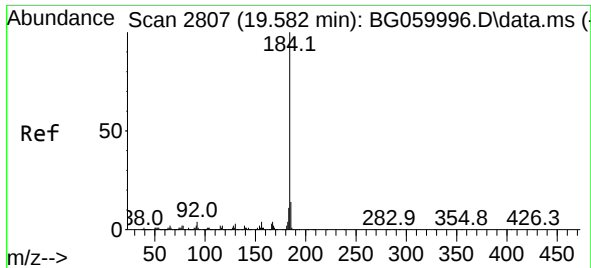
Tgt Ion:248 Resp: 21444
Ion Ratio Lower Upper
248 100
250 201.0 79.9 119.9#
141 281.7 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3153
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:240 Resp: 793739
Ion Ratio Lower Upper
240 100
120 3.0 2.9 4.3
236 26.4 19.4 29.2

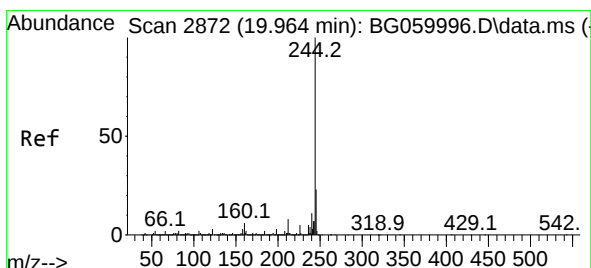
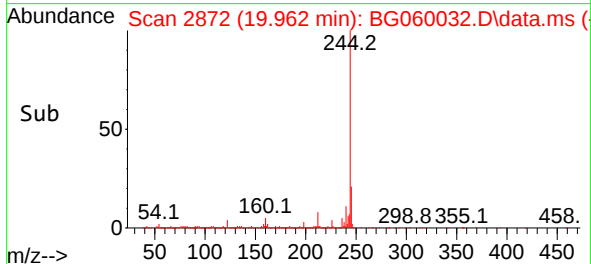
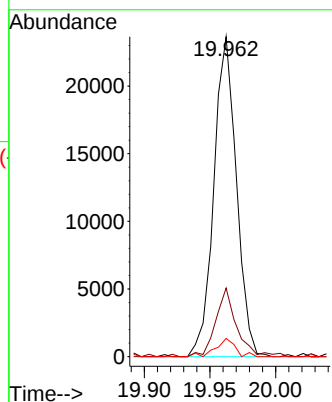
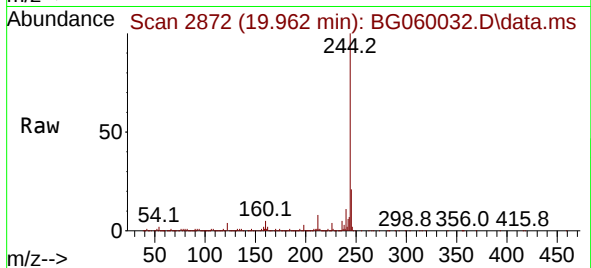




#77
Benzidine
Concen: 2.773 ng
RT: 19.962 min Scan# 2807
Delta R.T. 0.380 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

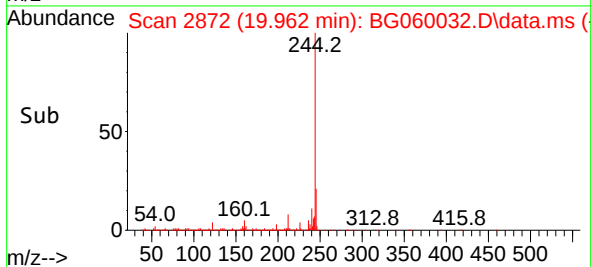
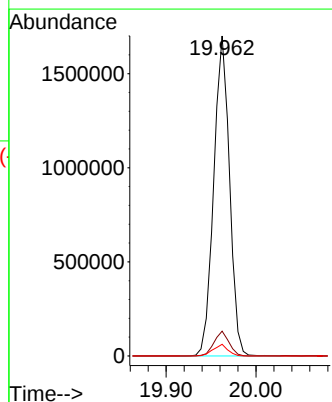
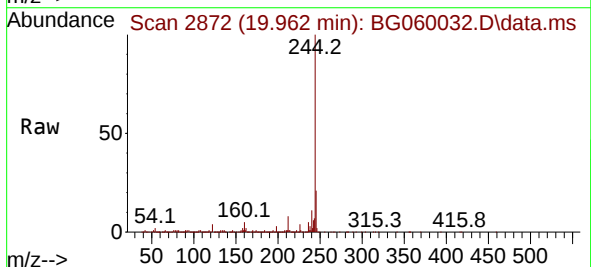
Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

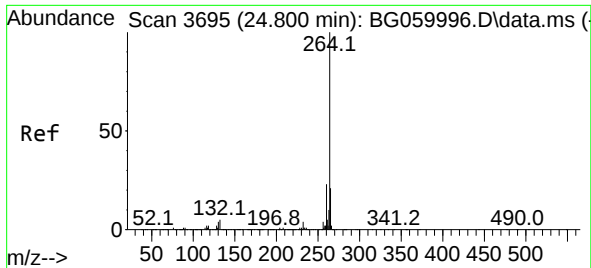
Tgt Ion:184 Resp: 28276
Ion Ratio Lower Upper
184 100
185 21.4 11.1 16.7#
183 5.7 9.0 13.4#



#79
Terphenyl-d14
Concen: 47.731 ng
RT: 19.962 min Scan# 2872
Delta R.T. -0.002 min
Lab File: BG060032.D
Acq: 15 Dec 2023 12:27

Tgt Ion:244 Resp: 2075129
Ion Ratio Lower Upper
244 100
212 7.7 6.8 10.2
122 3.6 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: BG060032.D
Acq: 15 Dec 2023 12:27

Instrument :
BNA_G
ClientSampleId :
RT-SB-07-23.5-24.5

Tgt Ion:264 Resp: 921431

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	20.7	17.3	25.9

