

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057629.D
 Acq On : 31 May 2023 20:06
 Operator : CG/JU
 Sample : 02981-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Jun 01 03:57:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

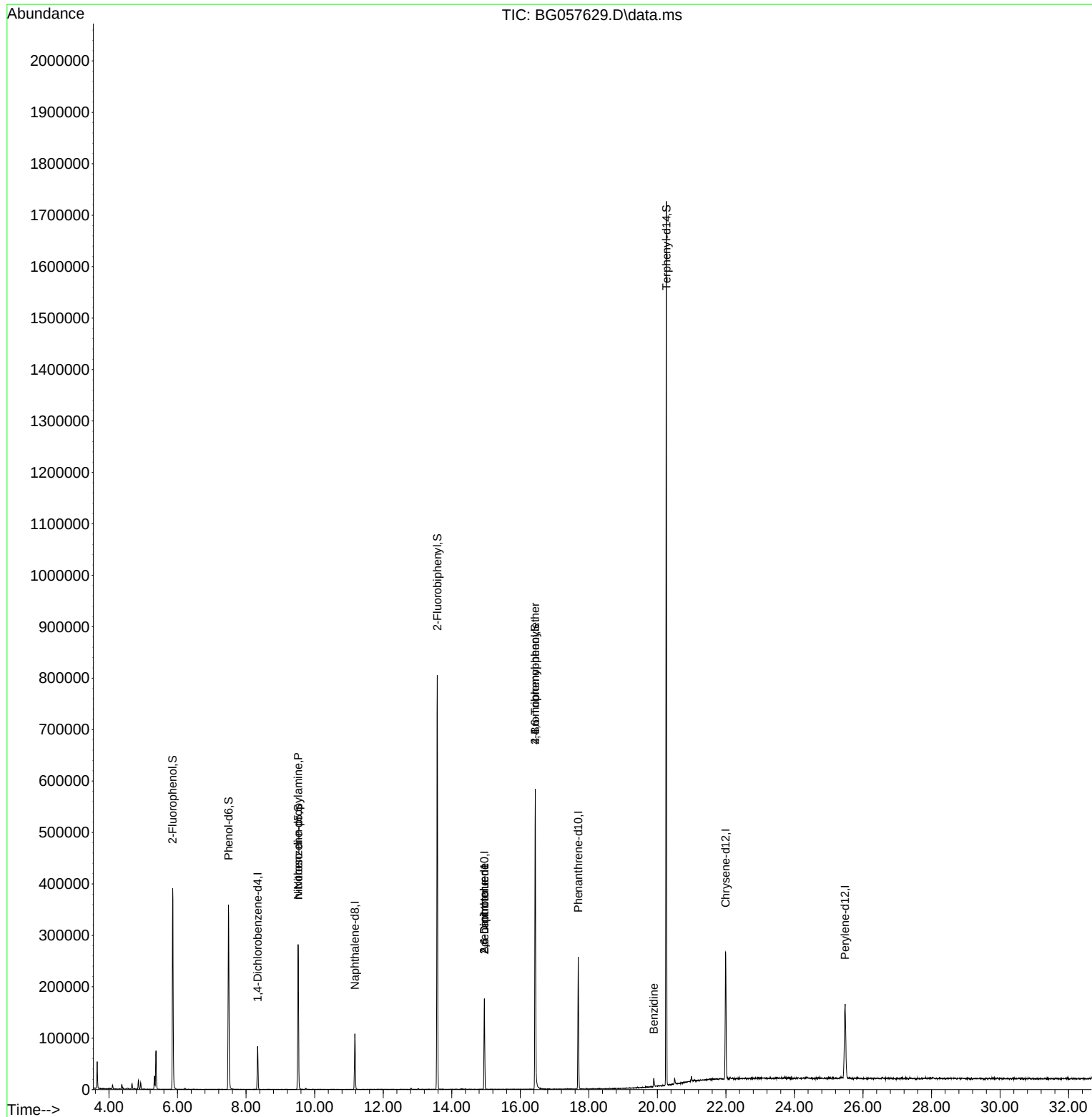
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	24837	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	94398	20.000	ng	# 0.00
39) Acenaphthene-d10	14.952	164	65543	20.000	ng	0.00
64) Phenanthrene-d10	17.689	188	172395	20.000	ng	0.00
76) Chrysene-d12	21.990	240	166829	20.000	ng	-0.01
86) Perylene-d12	25.479	264	174953	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	183475	128.338	ng	0.00
7) Phenol-d6	7.486	99	232185	103.777	ng	0.00
23) Nitrobenzene-d5	9.518	82	185076	91.650	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	131841	125.639	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	428611	93.979	ng	0.00
79) Terphenyl-d14	20.262	244	891229	92.538	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.518	70	24375	15.682	ng	# 76
51) 2,6-Dinitrotoluene	14.952	165	8855	7.658	ng	# 27
57) 2,4-Dinitrotoluene	14.952	165	8855	5.114	ng	# 25
67) 4-Bromophenyl-phenylether	16.438	248	9309	4.814	ng	# 1
77) Benzidine	19.898	184	14921	2.956	ng	99

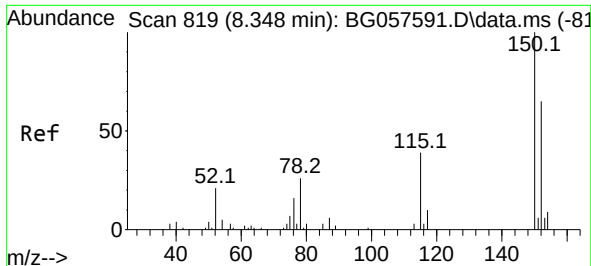
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
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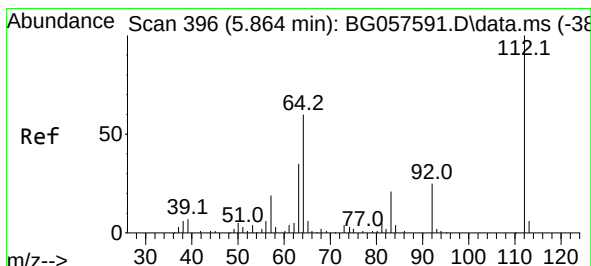
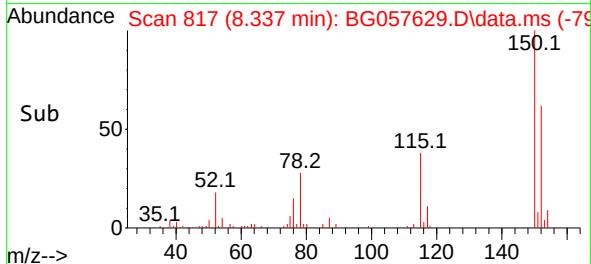
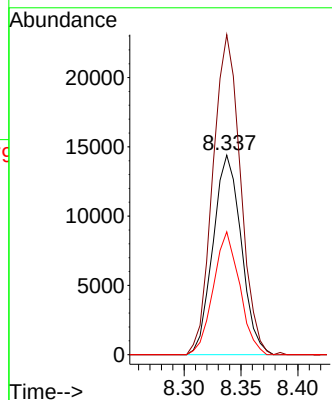
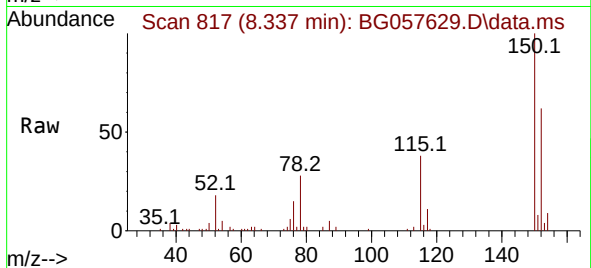




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

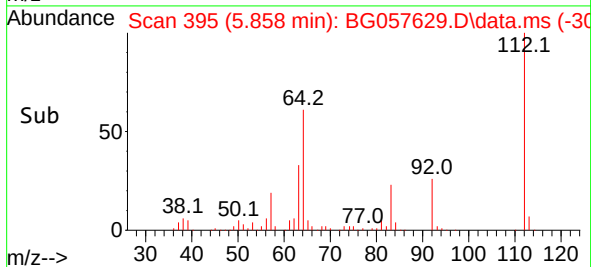
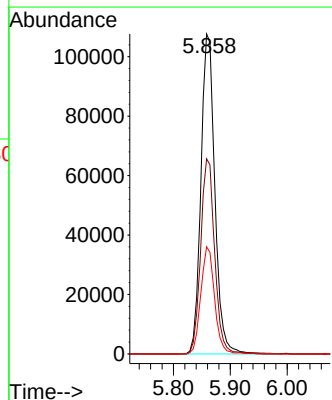
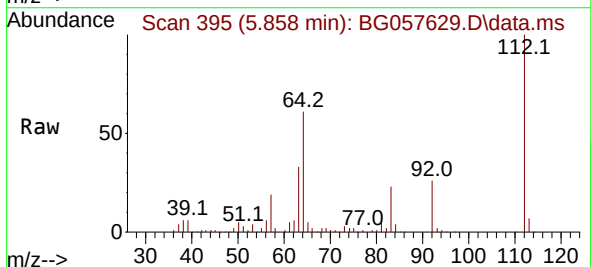
Instrument :
BNA_G
ClientSampleId :
TP-4

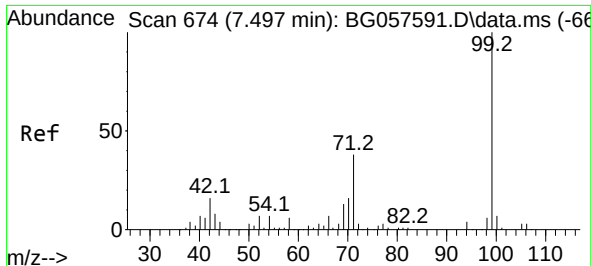
Tgt Ion:152 Resp: 24837
Ion Ratio Lower Upper
152 100
150 160.4 123.0 184.4
115 61.6 47.4 71.2



#5
2-Fluorophenol
Concen: 128.338 ng
RT: 5.858 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion:112 Resp: 183475
Ion Ratio Lower Upper
112 100
64 61.0 47.8 71.6
63 33.5 27.8 41.8

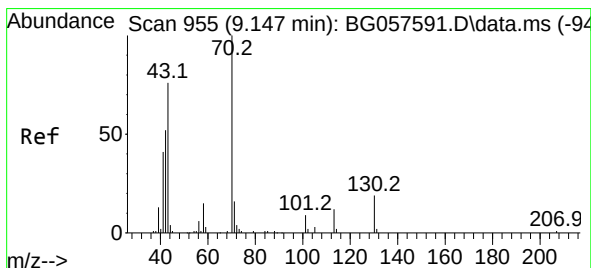
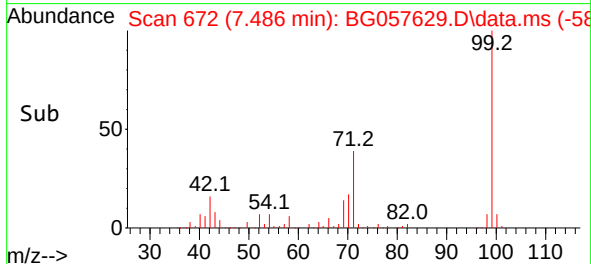
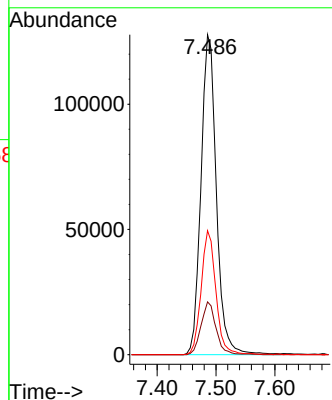
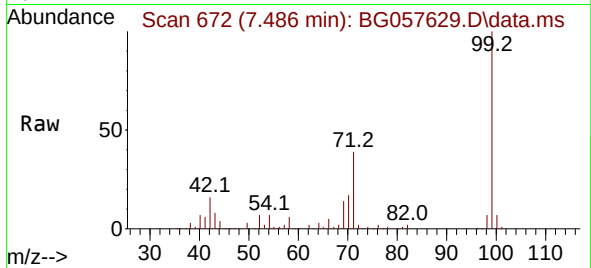




#7
Phenol-d6
Concen: 103.777 ng
RT: 7.486 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

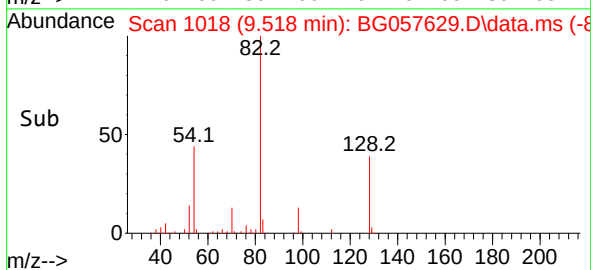
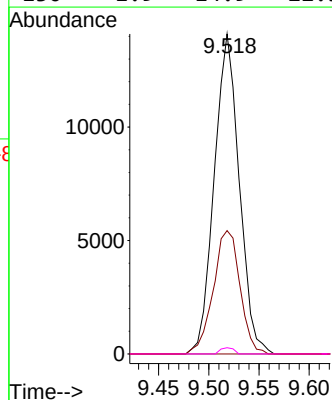
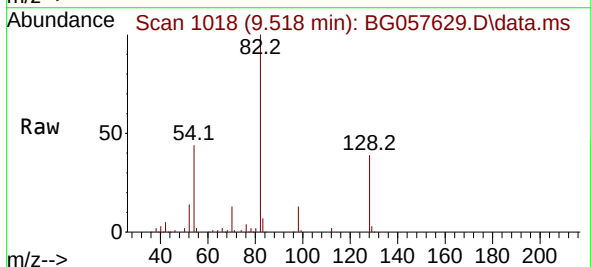
Instrument :
BNA_G
ClientSampleId :
TP-4

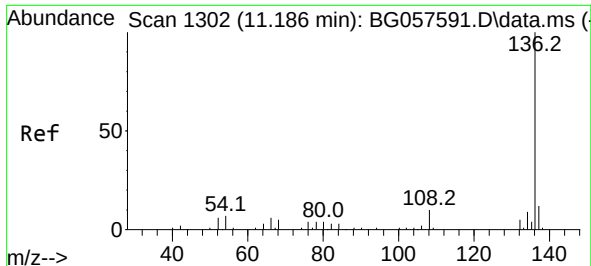
Tgt Ion: 99 Resp: 232185
Ion Ratio Lower Upper
99 100
42 16.5 12.8 19.2
71 38.7 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.682 ng
RT: 9.518 min Scan# 1018
Delta R.T. 0.380 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion: 70 Resp: 24375
Ion Ratio Lower Upper
70 100
42 38.5 41.4 62.0#
101 0.0 6.9 10.3#
130 1.9 14.9 22.3#

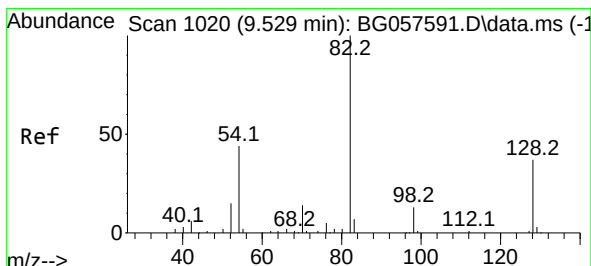
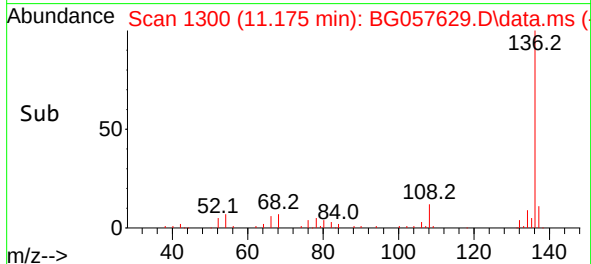
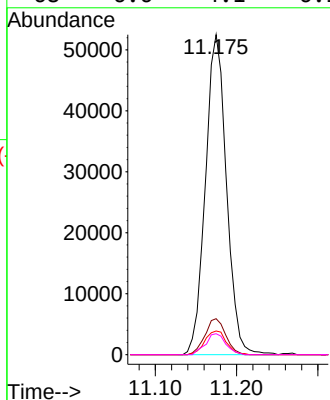
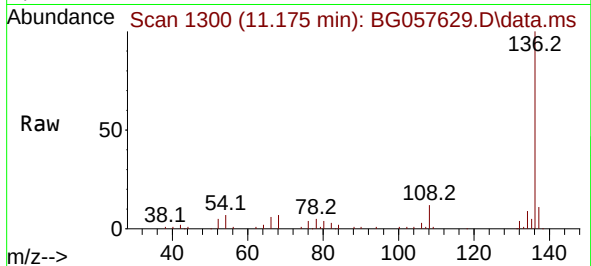




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 111
Delta R.T. -0.002 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

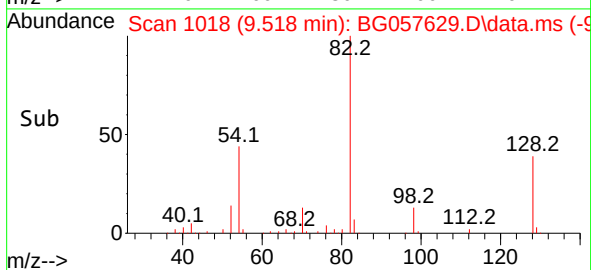
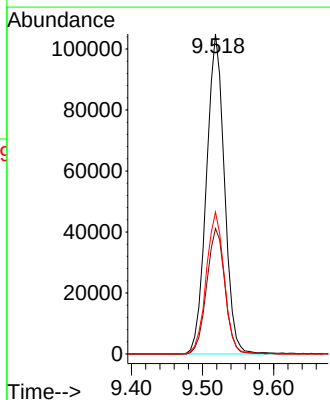
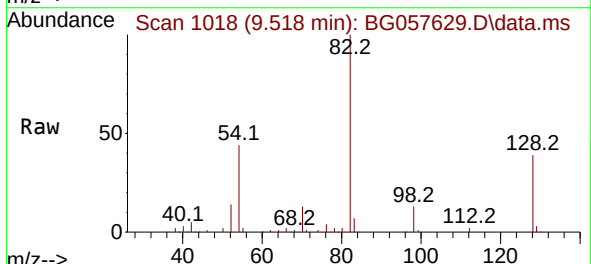
Instrument :
BNA_G
ClientSampleId :
TP-4

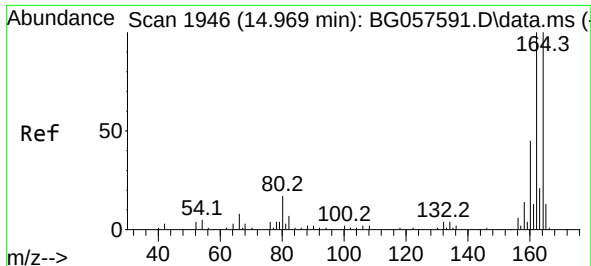
Tgt Ion:136	Resp:	94398
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.8 14.8
54	7.4	5.8 8.6
68	6.6	4.1 6.1



#23
Nitrobenzene-d5
Concen: 91.650 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion: 82	Resp:	185076
Ion Ratio	Lower	Upper
82	100	
128	39.2	30.0 45.0
54	44.3	35.2 52.8

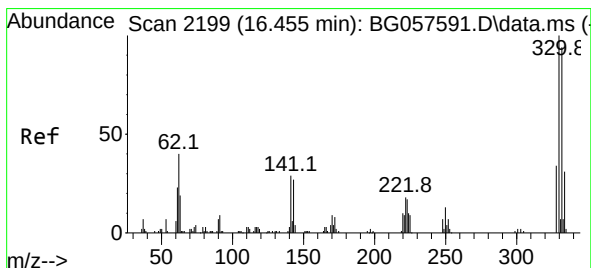
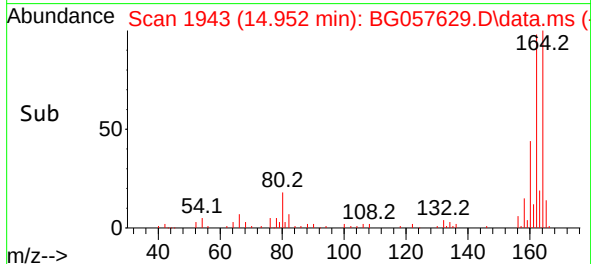
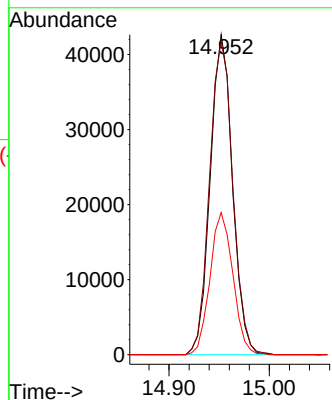
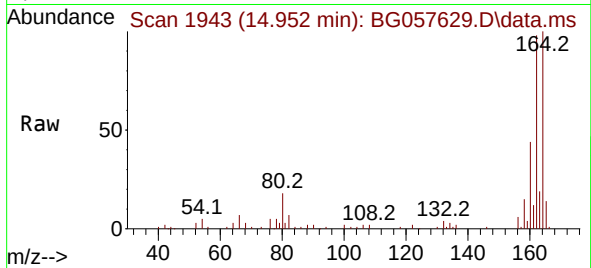




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.952 min Scan# 1943
Delta R.T. -0.008 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

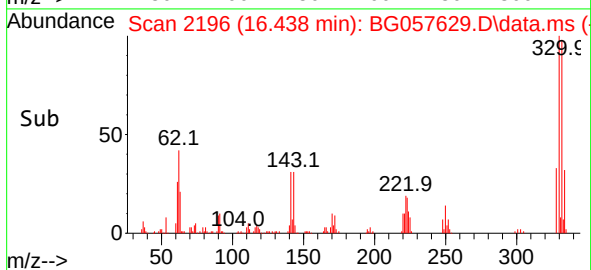
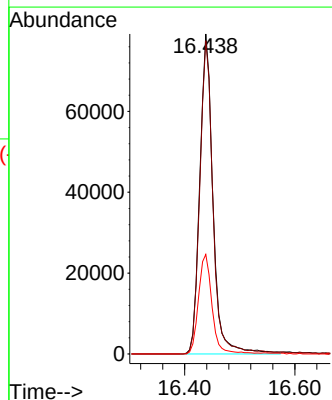
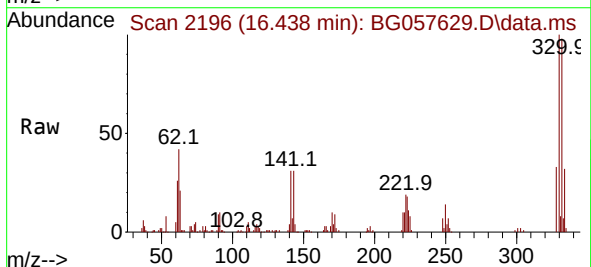
Instrument :
BNA_G
ClientSampleId :
TP-4

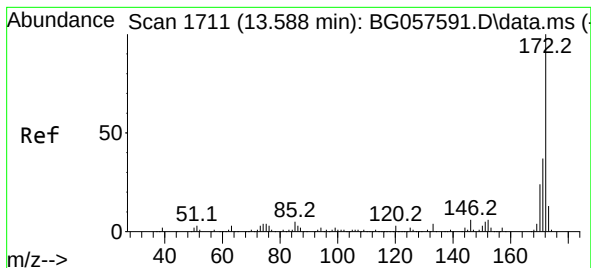
Tgt Ion:164 Resp: 65543
Ion Ratio Lower Upper
164 100
162 98.1 80.1 120.1
160 44.4 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 125.639 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion:330 Resp: 131841
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 31.8 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 93.979 ng

RT: 13.577 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

Instrument :

BNA_G

ClientSampleId :

TP-4

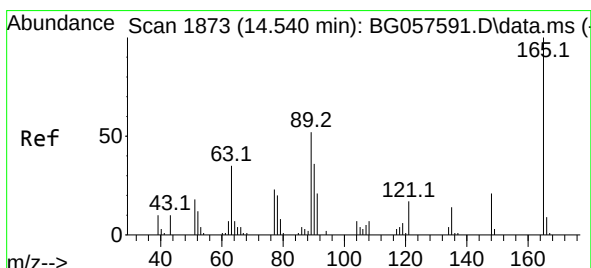
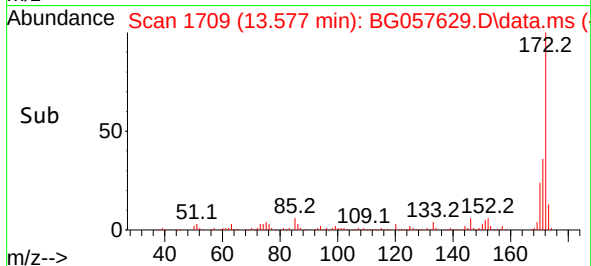
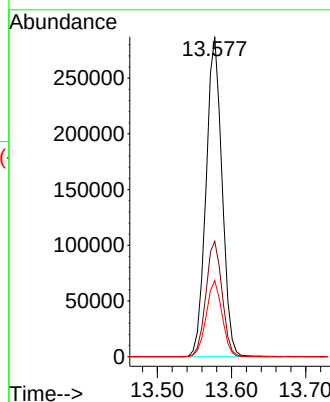
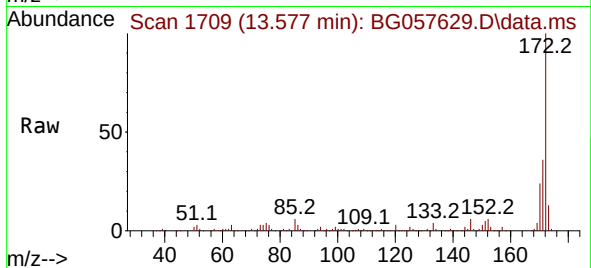
Tgt Ion:172 Resp: 428611

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 23.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.658 ng

RT: 14.952 min Scan# 1943

Delta R.T. 0.421 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

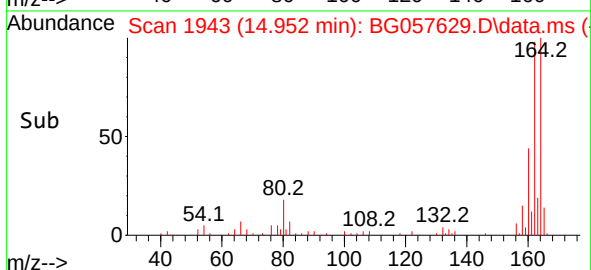
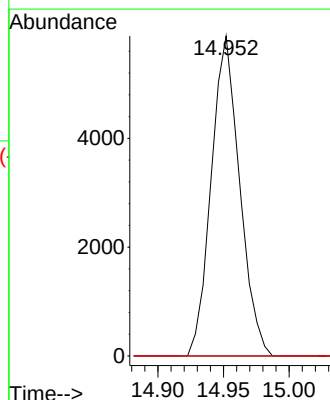
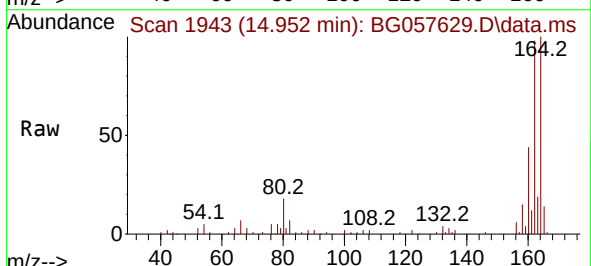
Tgt Ion:165 Resp: 8855

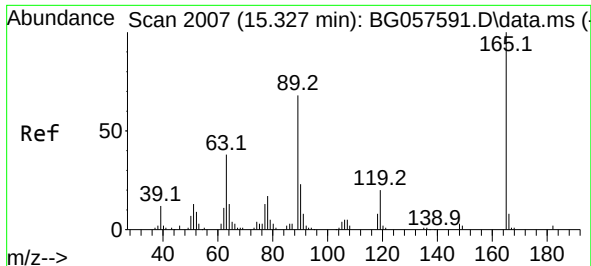
Ion Ratio Lower Upper

165 100

63 0.0 39.3 58.9#

89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 5.114 ng

RT: 14.952 min Scan# 14

Delta R.T. -0.372 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion:165 Resp: 8855

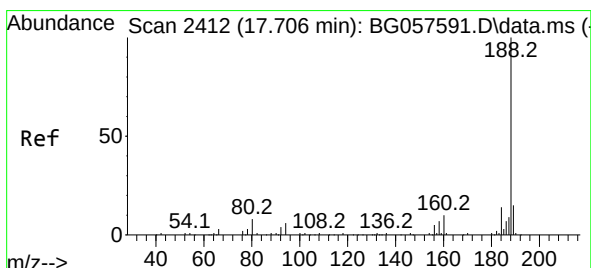
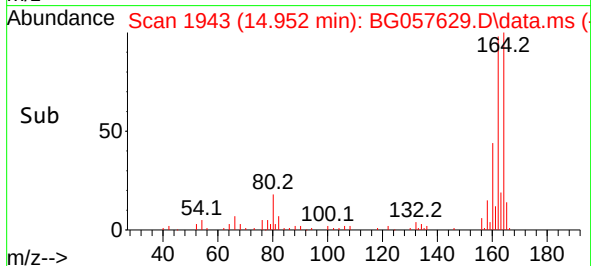
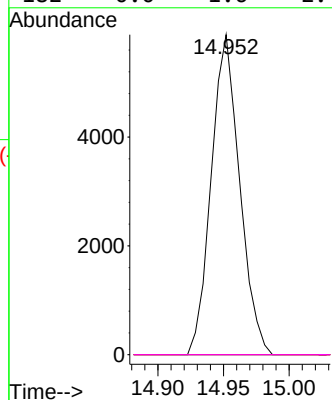
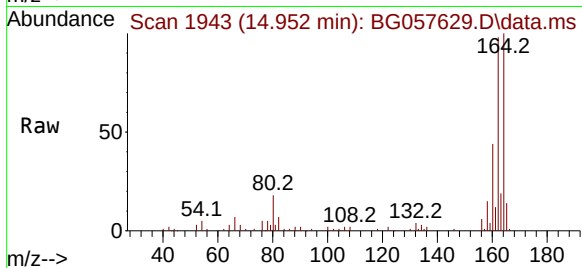
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.689 min Scan# 2409

Delta R.T. -0.008 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

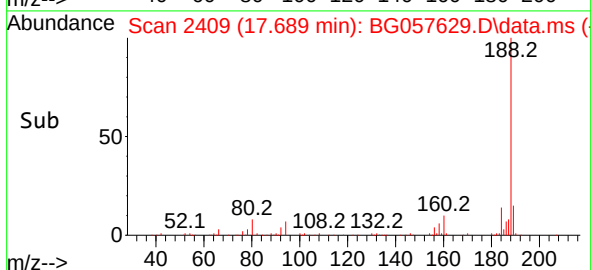
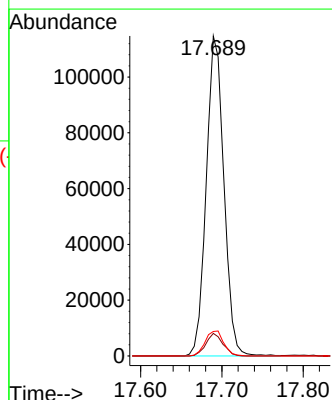
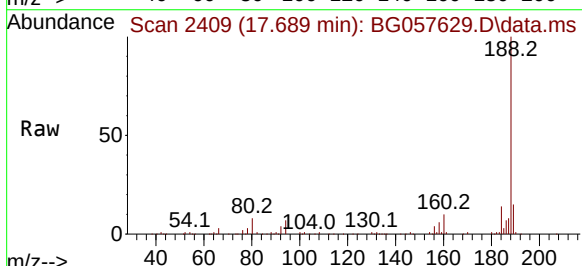
Tgt Ion:188 Resp: 172395

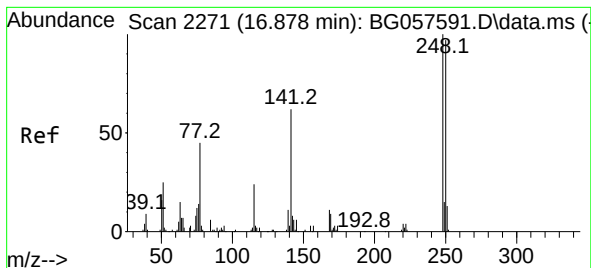
Ion Ratio Lower Upper

188 100

94 7.1 5.2 7.8

80 7.6 6.7 10.1

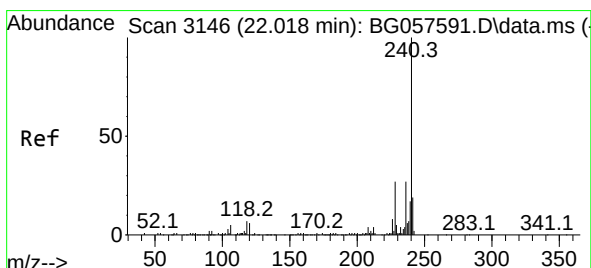
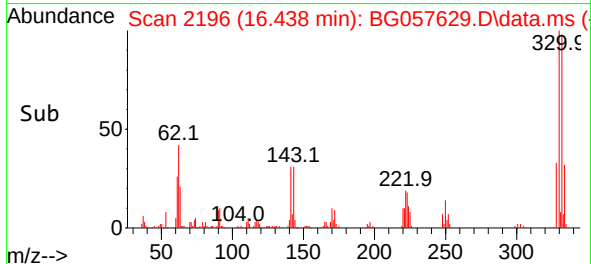
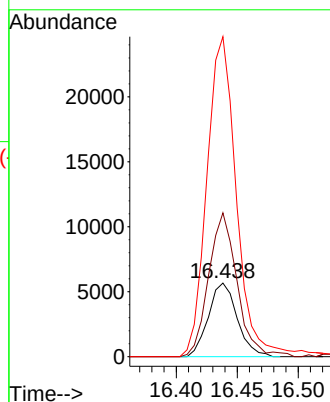
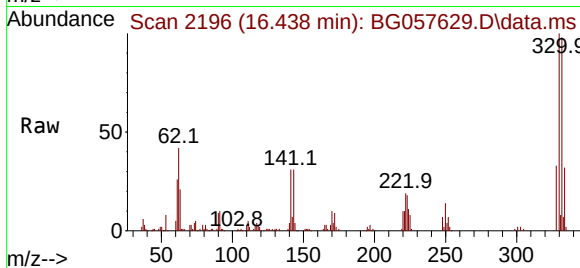




#67
4-Bromophenyl-phenylether
Concen: 4.814 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.431 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

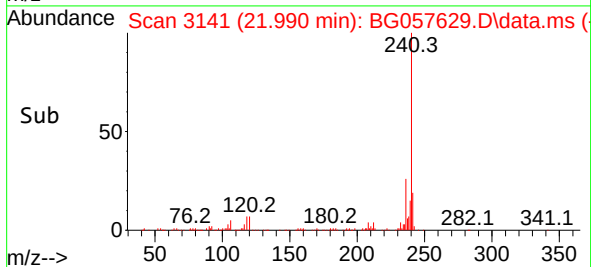
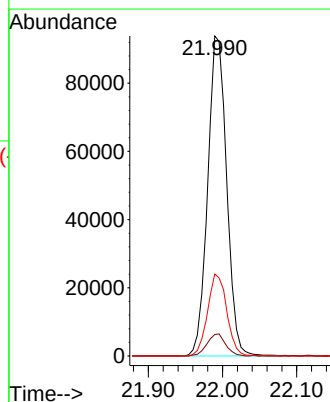
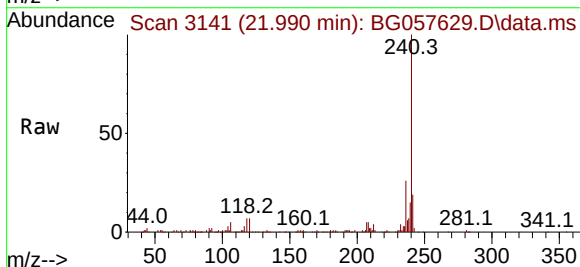
Instrument :
BNA_G
ClientSampleId :
TP-4

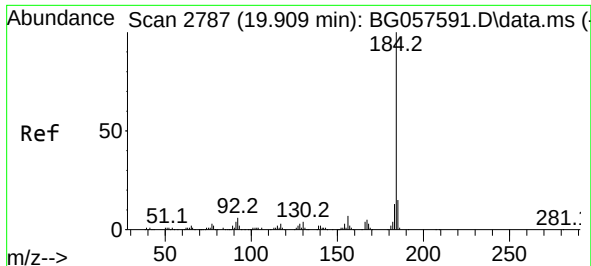
Tgt Ion:248 Resp: 9309
Ion Ratio Lower Upper
248 100
250 195.4 77.4 116.2#
141 434.6 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.990 min Scan# 3141
Delta R.T. -0.014 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion:240 Resp: 166829
Ion Ratio Lower Upper
240 100
120 6.7 5.2 7.8
236 25.6 21.4 32.0

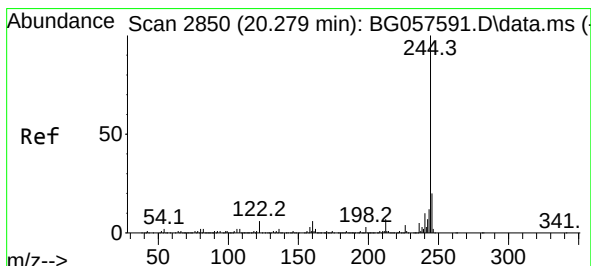
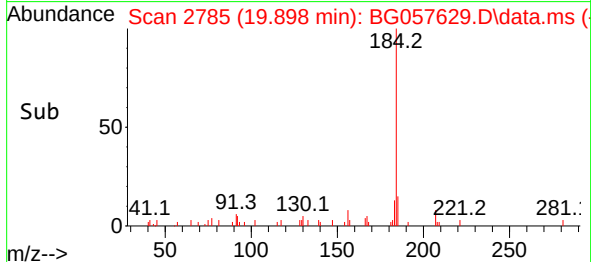
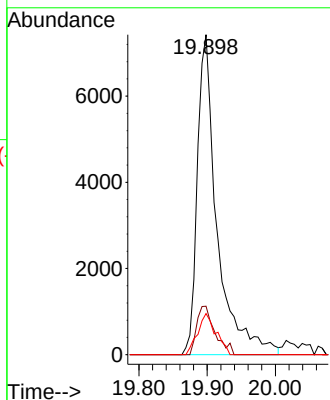
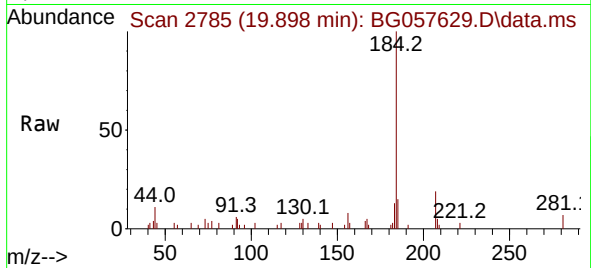




#77
Benzidine
Concen: 2.956 ng
RT: 19.898 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

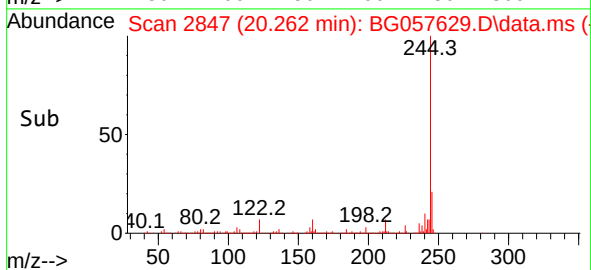
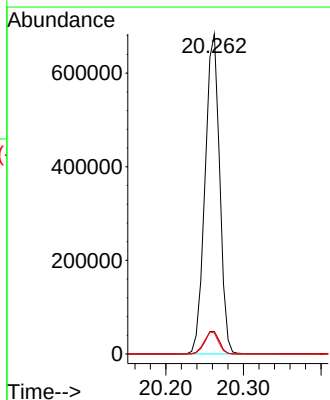
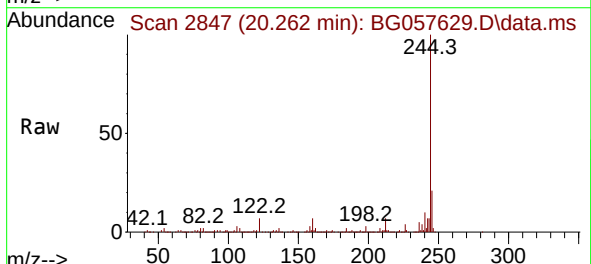
Instrument :
BNA_G
ClientSampleId :
TP-4

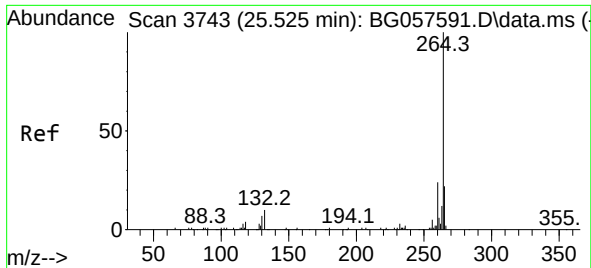
Tgt Ion:184 Resp: 14921
Ion Ratio Lower Upper
184 100
185 15.1 12.0 18.0
183 12.9 10.0 15.0



#79
Terphenyl-d14
Concen: 92.538 ng
RT: 20.262 min Scan# 2847
Delta R.T. -0.002 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Tgt Ion:244 Resp: 891229
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 6.5 4.8 7.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.479 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG057629.D
Acq: 31 May 2023 20:06

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:264 Resp: 174953

Ion	Ratio	Lower	Upper
264	100		
260	21.3	19.1	28.7
265	21.9	17.7	26.5

