

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057628.D
 Acq On : 31 May 2023 19:24
 Operator : CG/JU
 Sample : 02976-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Jun 01 03:57:02 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)

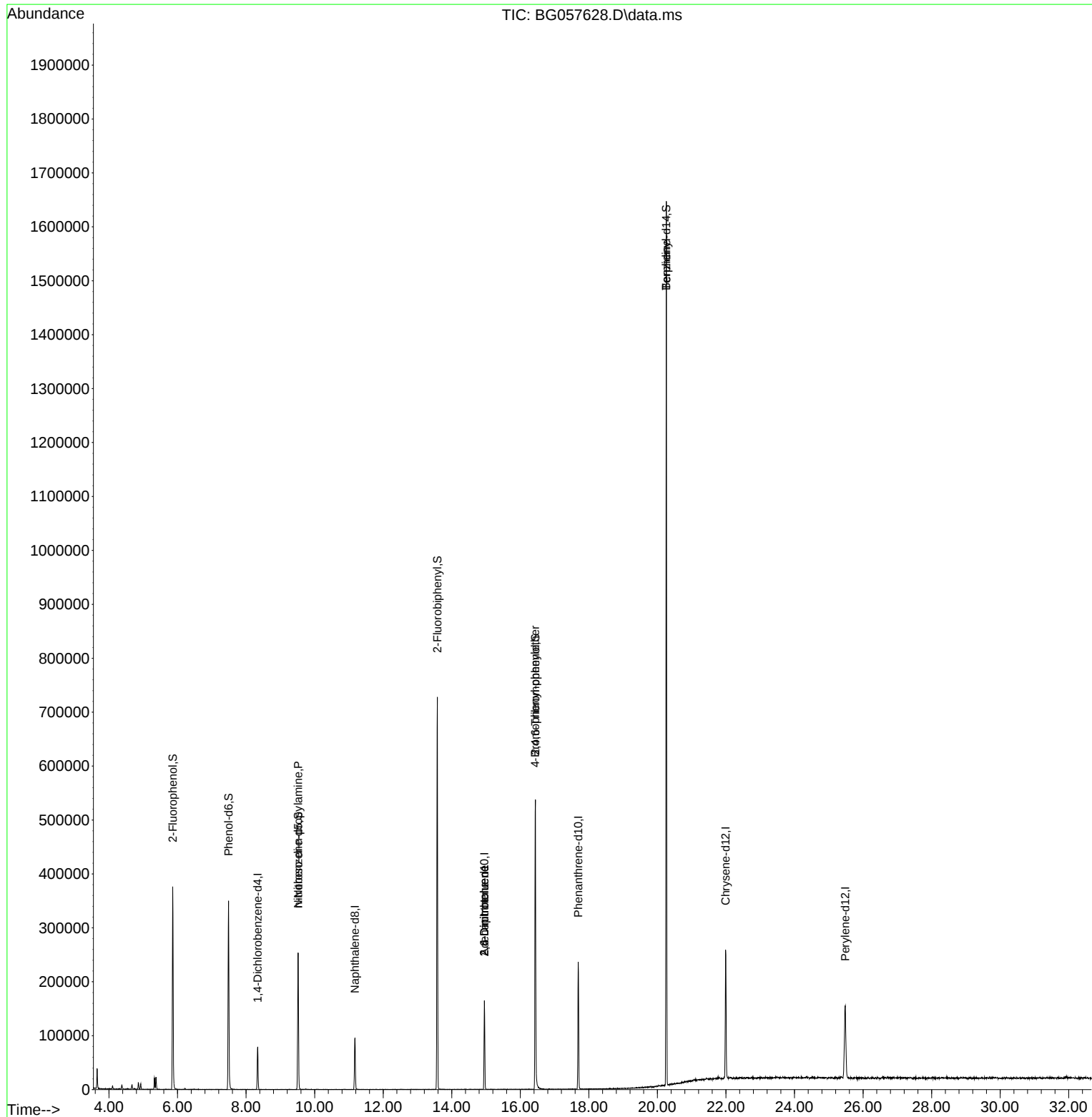
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.339	152	23419	20.000	ng	0.00
21) Naphthalene-d8	11.176	136	87909	20.000	ng	# 0.00
39) Acenaphthene-d10	14.953	164	61402	20.000	ng	0.00
64) Phenanthrene-d10	17.691	188	162888	20.000	ng	0.00
76) Chrysene-d12	21.991	240	155096	20.000	ng	-0.01
86) Perylene-d12	25.480	264	159853	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.860	112	172963	128.310	ng	0.00
7) Phenol-d6	7.487	99	223977	106.170	ng	0.00
23) Nitrobenzene-d5	9.520	82	169231	89.990	ng	0.00
42) 2,4,6-Tribromophenol	16.440	330	128209	130.418	ng	0.00
45) 2-Fluorobiphenyl	13.579	172	398661	93.307	ng	0.00
79) Terphenyl-d14	20.258	244	834034	93.151	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.520	70	22333	15.238	ng	# 82
51) 2,6-Dinitrotoluene	14.953	165	8123	7.498	ng	# 27
57) 2,4-Dinitrotoluene	14.953	165	8123	5.008	ng	# 25
67) 4-Bromophenyl-phenylether	16.434	248	8666	4.743	ng	# 1
77) Benzidine	20.258	184	11784	2.511	ng	# 83

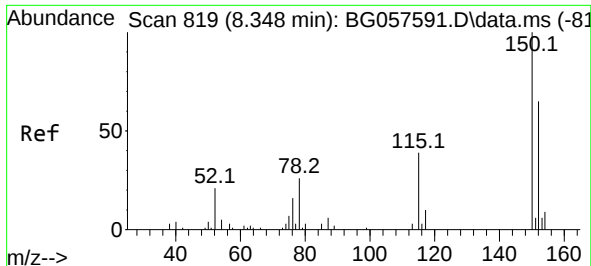
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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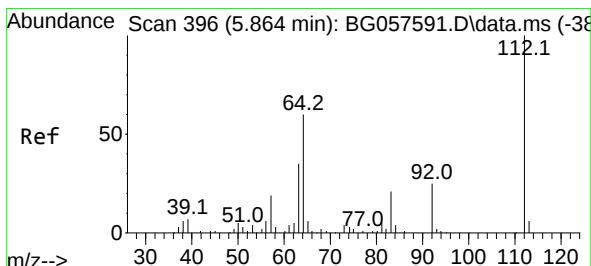
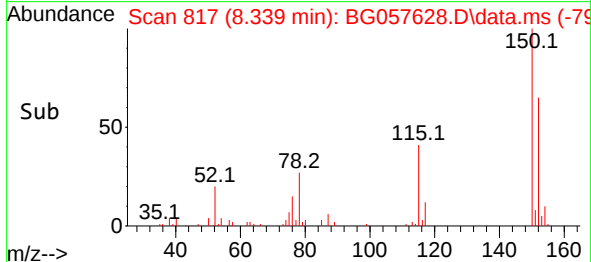
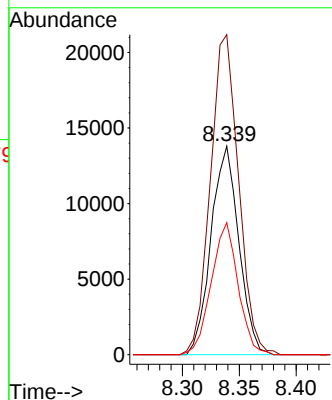
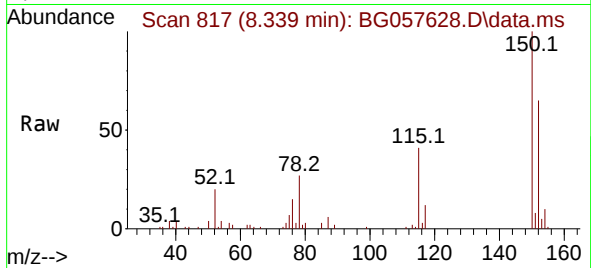




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.339 min Scan# 819
Delta R.T. 0.005 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

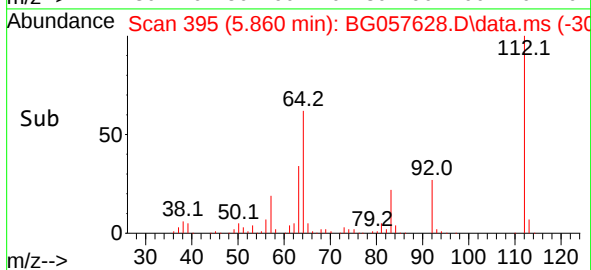
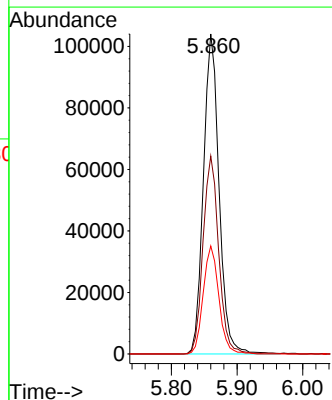
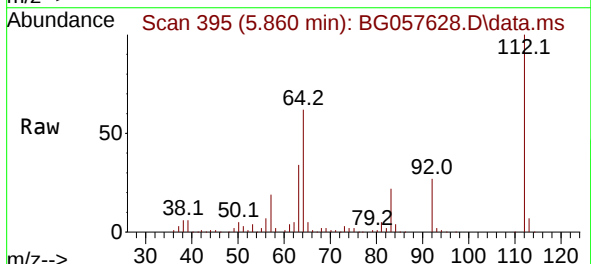
Instrument :
BNA_G
ClientSampleId :
TP-2

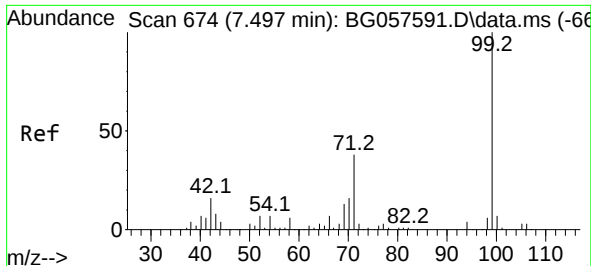
Tgt Ion:152 Resp: 23419
Ion Ratio Lower Upper
152 100
150 153.5 123.0 184.4
115 63.3 47.4 71.2



#5
2-Fluorophenol
Concen: 128.310 ng
RT: 5.860 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion:112 Resp: 172963
Ion Ratio Lower Upper
112 100
64 61.8 47.8 71.6
63 33.8 27.8 41.8

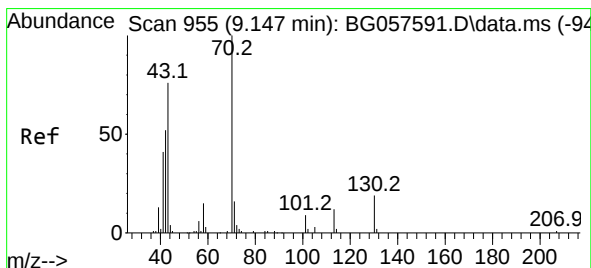
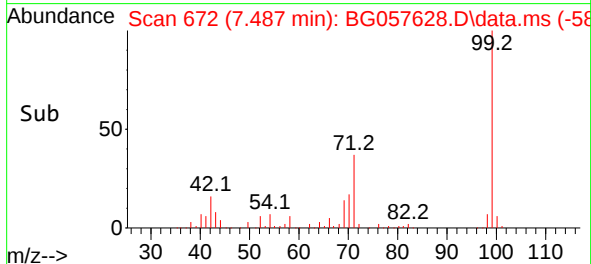
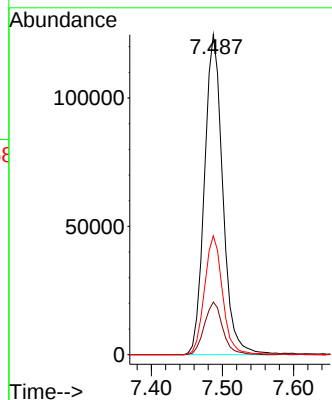
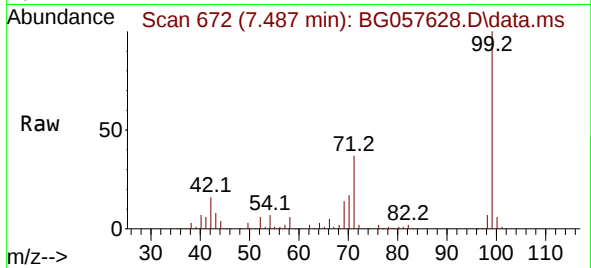




#7
Phenol-d6
Concen: 106.170 ng
RT: 7.487 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

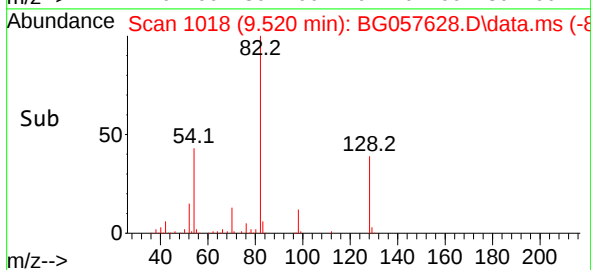
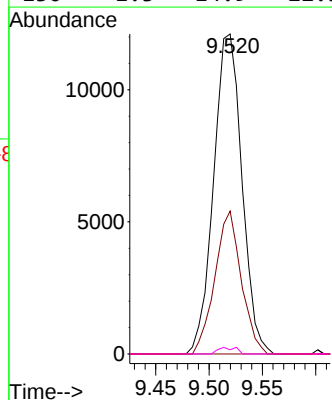
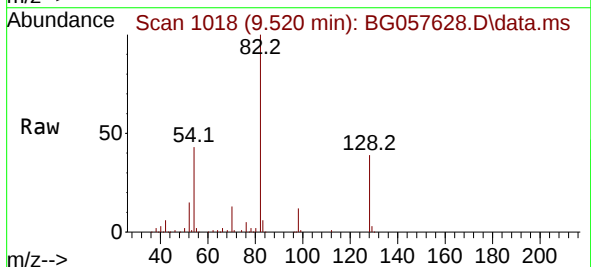
Instrument :
BNA_G
ClientSampleId :
TP-2

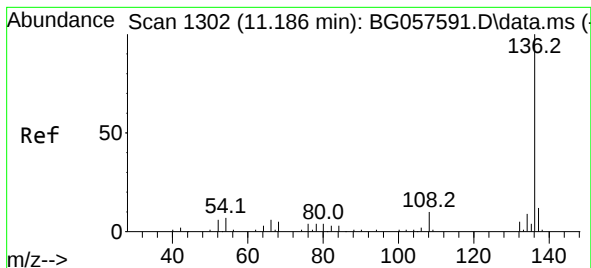
Tgt Ion: 99 Resp: 223977
Ion Ratio Lower Upper
99 100
42 16.4 12.8 19.2
71 37.2 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.238 ng
RT: 9.520 min Scan# 1018
Delta R.T. 0.381 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion: 70 Resp: 22333
Ion Ratio Lower Upper
70 100
42 44.6 41.4 62.0
101 0.0 6.9 10.3#
130 1.3 14.9 22.3#

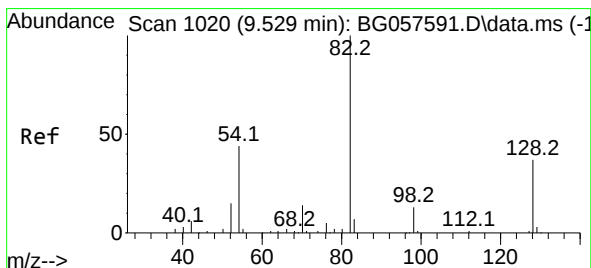
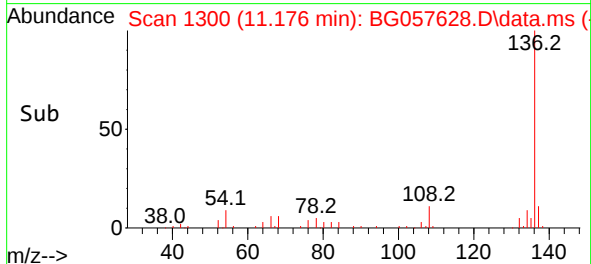
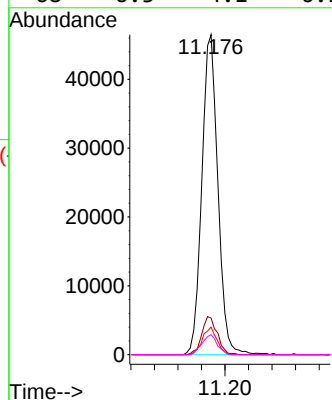
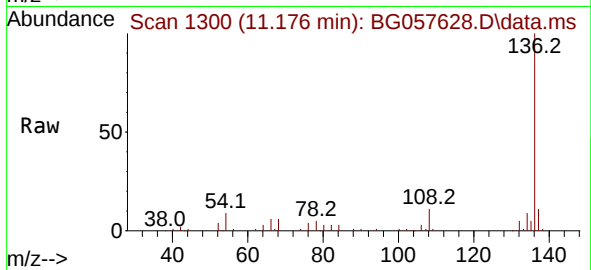




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.176 min Scan# 1118
Delta R.T. -0.001 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

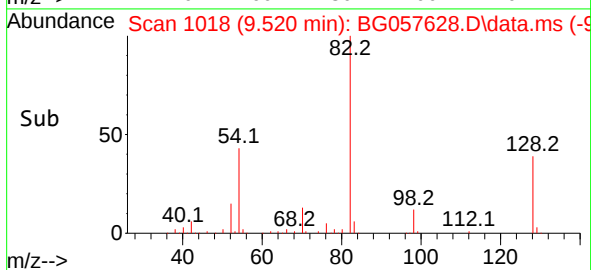
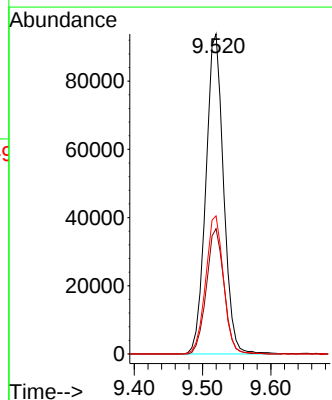
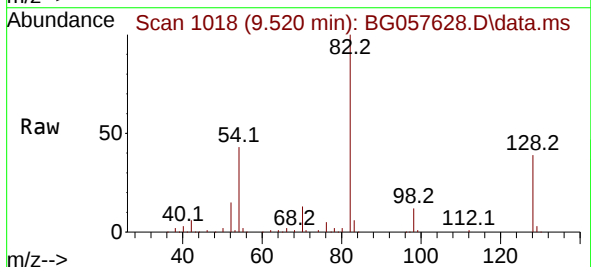
Instrument :
BNA_G
ClientSampleId :
TP-2

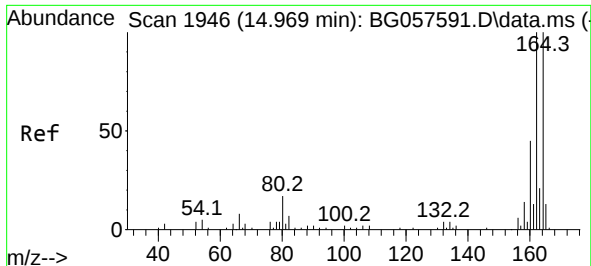
Tgt Ion:136 Resp: 87909
Ion Ratio Lower Upper
136 100
137 11.5 9.8 14.8
54 8.6 5.8 8.6
68 6.3 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 89.990 ng
RT: 9.520 min Scan# 1018
Delta R.T. -0.001 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion: 82 Resp: 169231
Ion Ratio Lower Upper
82 100
128 39.1 30.0 45.0
54 43.2 35.2 52.8

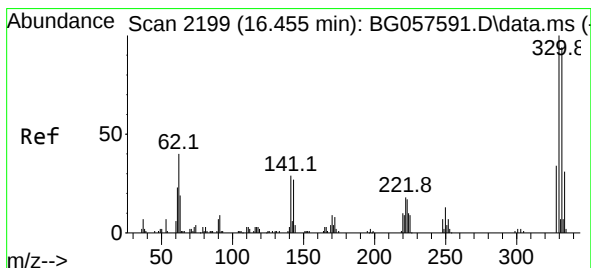
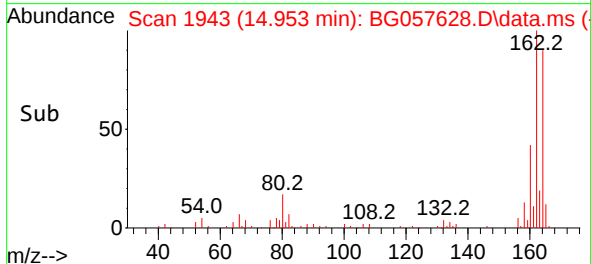
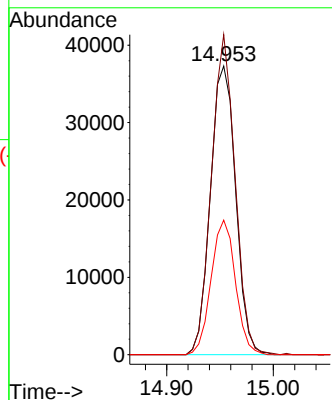
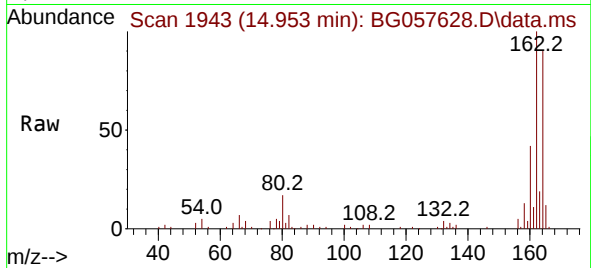




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.953 min Scan# 1943
Delta R.T. -0.007 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

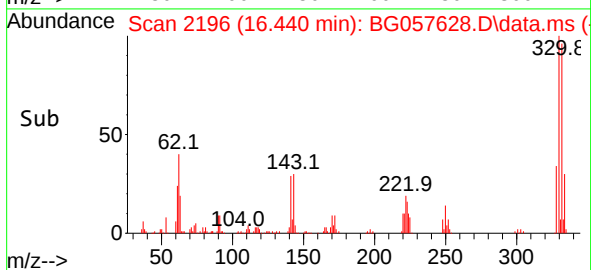
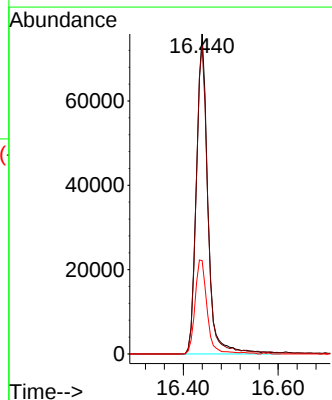
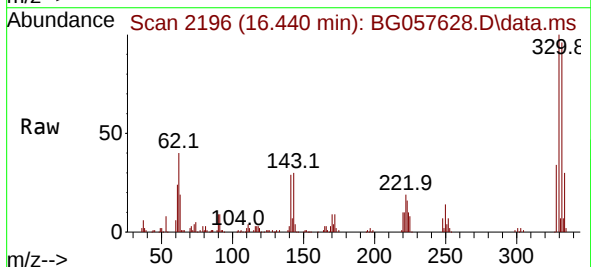
Instrument :
BNA_G
ClientSampleId :
TP-2

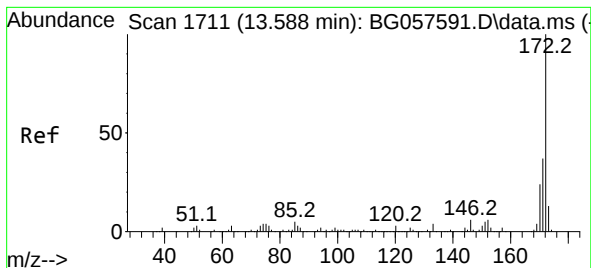
Tgt Ion:164 Resp: 61402
Ion Ratio Lower Upper
164 100
162 110.9 80.1 120.1
160 46.6 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 130.418 ng
RT: 16.440 min Scan# 2196
Delta R.T. -0.007 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion:330 Resp: 128209
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 31.0 24.6 37.0

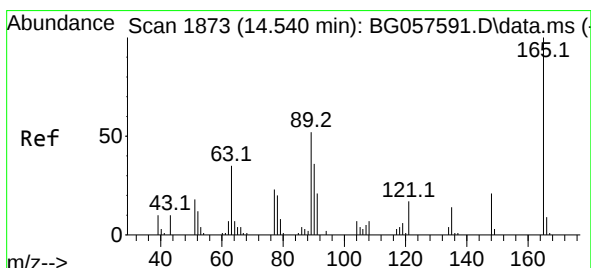
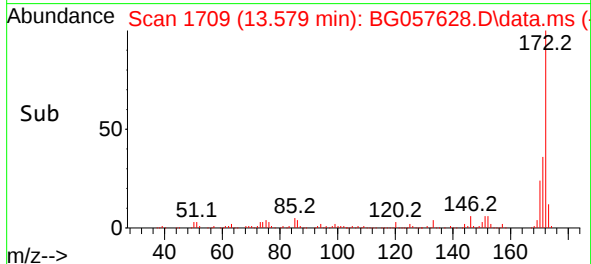
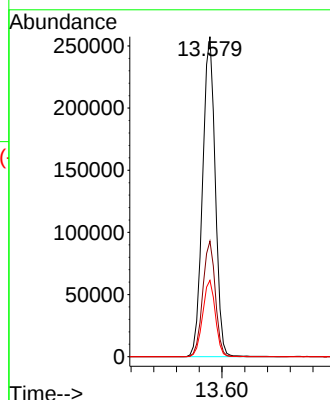
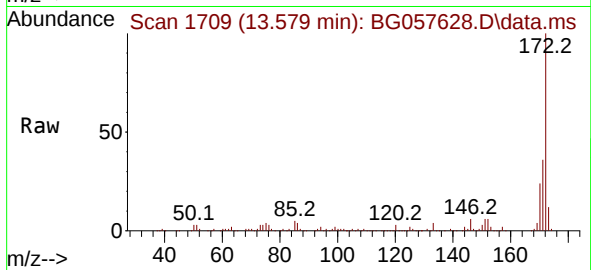




#45
2-Fluorobiphenyl
Concen: 93.307 ng
RT: 13.579 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

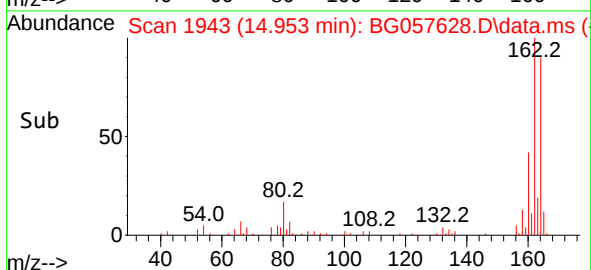
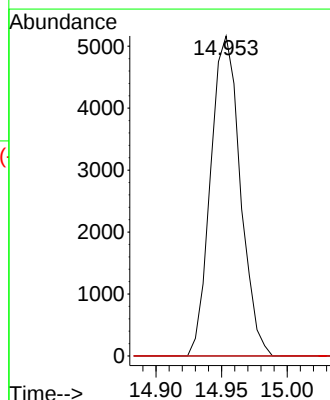
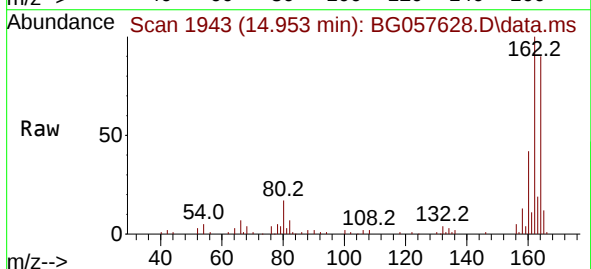
Instrument :
BNA_G
ClientSampleId :
TP-2

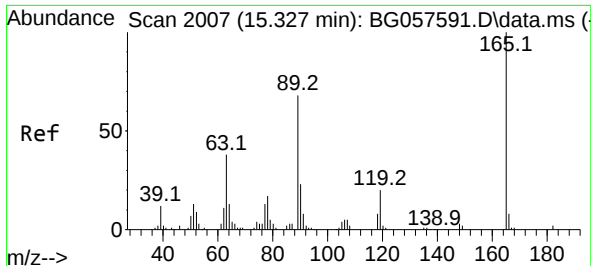
Tgt Ion:172 Resp: 398661
Ion Ratio Lower Upper
172 100
171 36.1 29.2 43.8
170 23.8 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.498 ng
RT: 14.953 min Scan# 1943
Delta R.T. 0.422 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion:165 Resp: 8123
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: 5.008 ng

RT: 14.953 min Scan# 14

Delta R.T. -0.371 min

Lab File: BG057628.D

Acq: 31 May 2023 19:24

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion:165 Resp: 8123

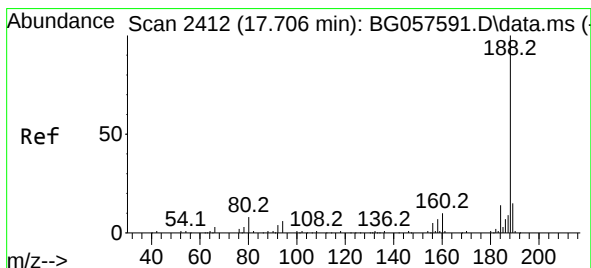
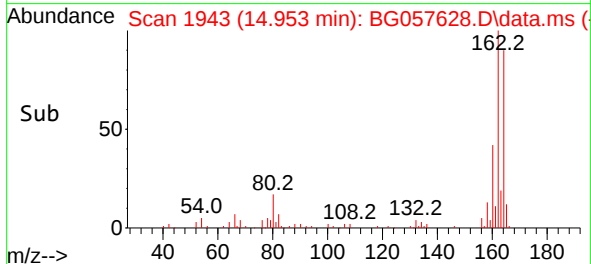
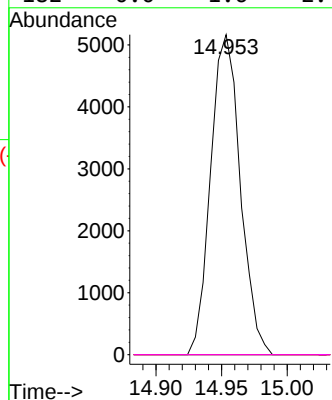
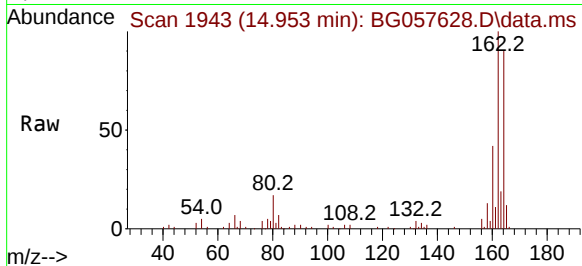
Ion Ratio Lower Upper

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: 17.691 min Scan# 2409

Delta R.T. -0.007 min

Lab File: BG057628.D

Acq: 31 May 2023 19:24

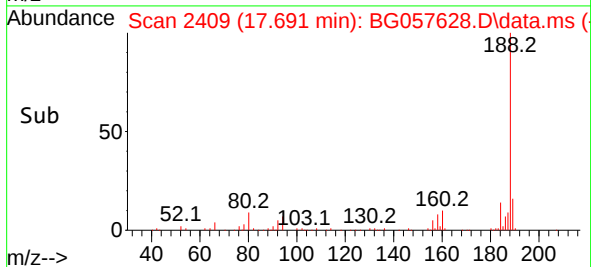
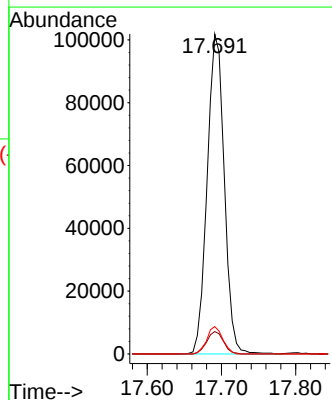
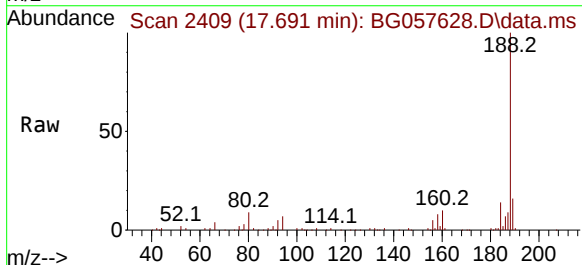
Tgt Ion:188 Resp: 162888

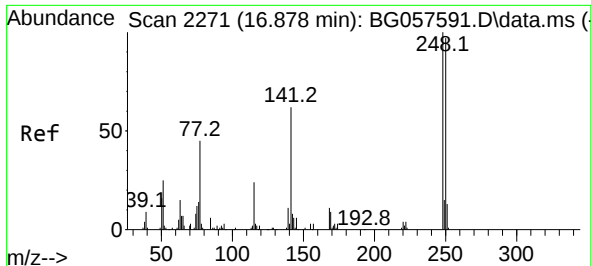
Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

80 8.6 6.7 10.1

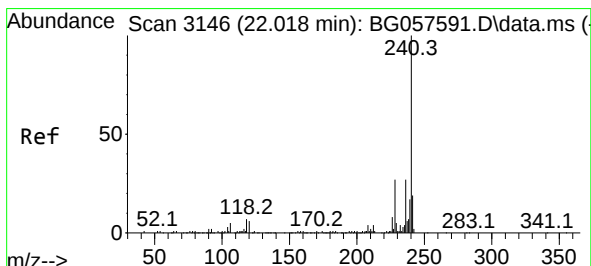
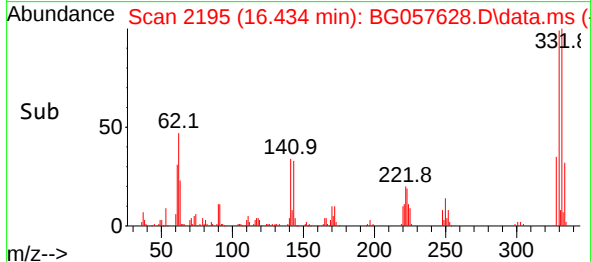
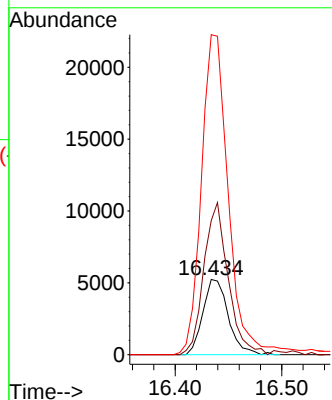
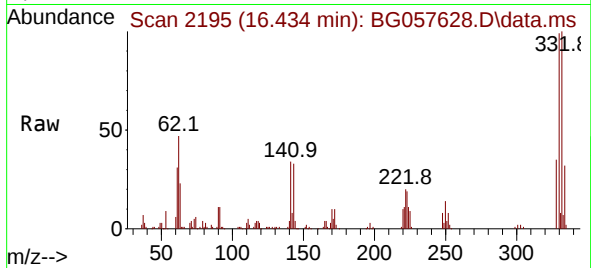




#67
4-Bromophenyl-phenylether
Concen: 4.743 ng
RT: 16.434 min Scan# 21195
Delta R.T. -0.435 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

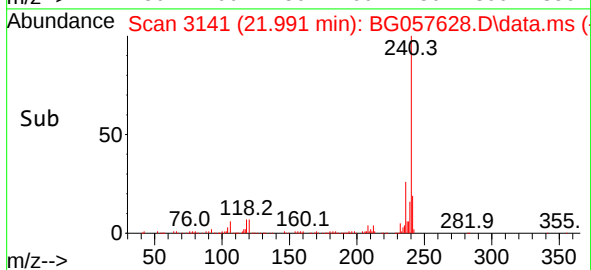
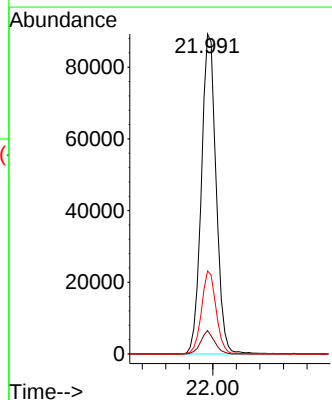
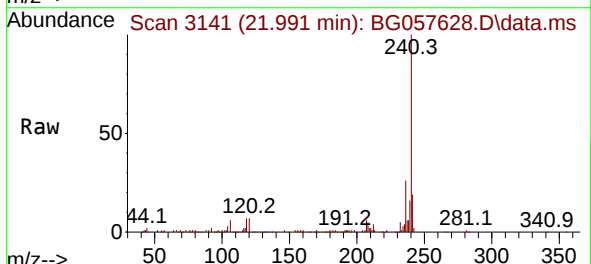
Instrument :
BNA_G
ClientSampleId :
TP-2

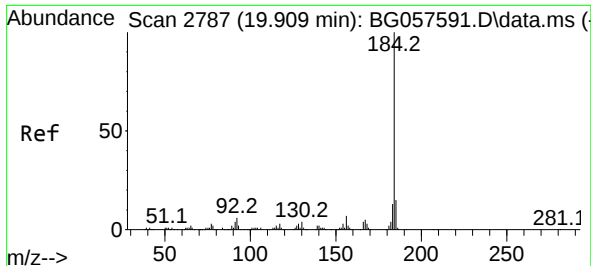
Tgt Ion:248 Resp: 8666
Ion Ratio Lower Upper
248 100
250 178.3 77.4 116.2#
141 425.4 49.4 74.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.991 min Scan# 3141
Delta R.T. -0.012 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion:240 Resp: 155096
Ion Ratio Lower Upper
240 100
120 7.3 5.2 7.8
236 26.0 21.4 32.0

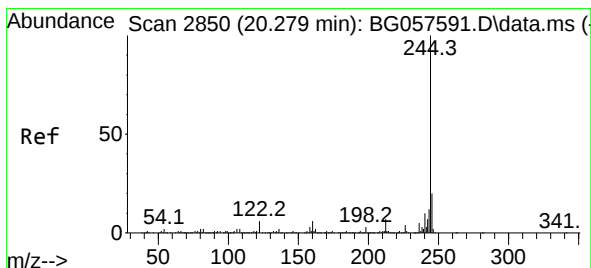
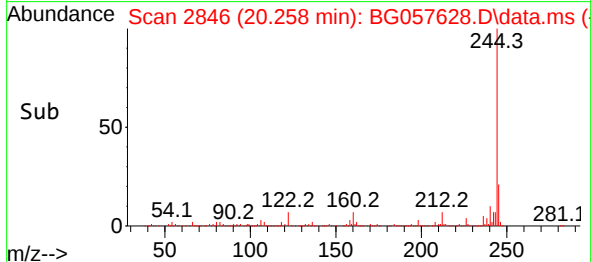
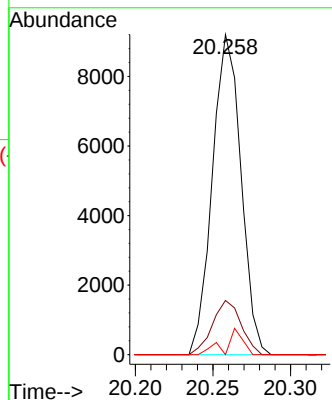
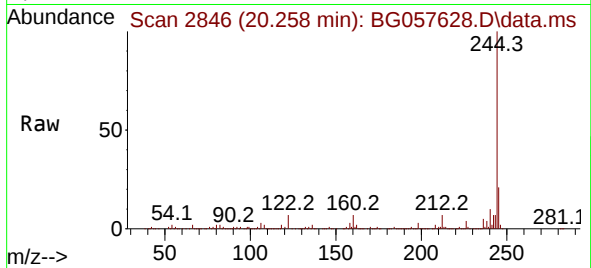




#77
Benzidine
Concen: 2.511 ng
RT: 20.258 min Scan# 2846
Delta R.T. 0.364 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

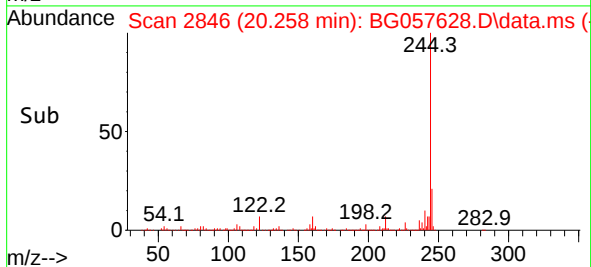
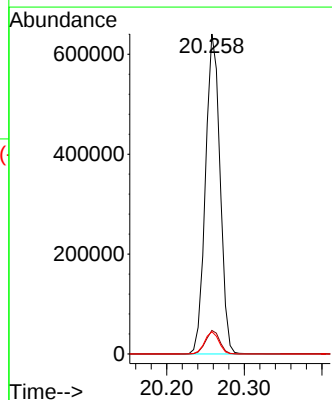
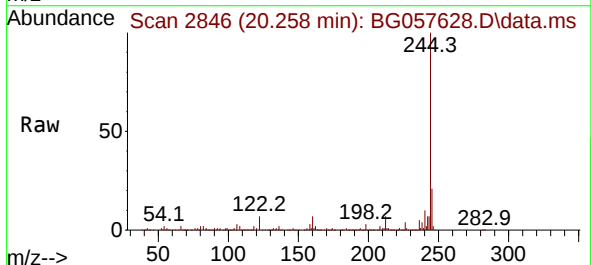
Instrument :
BNA_G
ClientSampleId :
TP-2

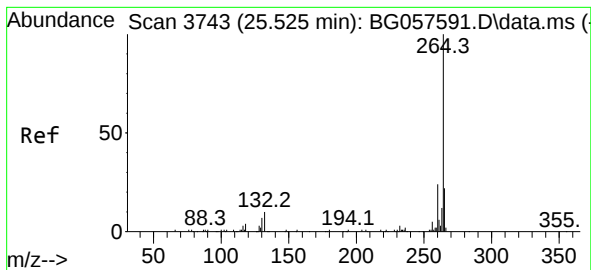
Tgt Ion:184 Resp: 11784
Ion Ratio Lower Upper
184 100
185 16.9 12.0 18.0
183 0.0 10.0 15.0#



#79
Terphenyl-d14
Concen: 93.151 ng
RT: 20.258 min Scan# 2846
Delta R.T. -0.007 min
Lab File: BG057628.D
Acq: 31 May 2023 19:24

Tgt Ion:244 Resp: 834034
Ion Ratio Lower Upper
244 100
212 7.3 5.6 8.4
122 7.0 4.8 7.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.480 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG057628.D

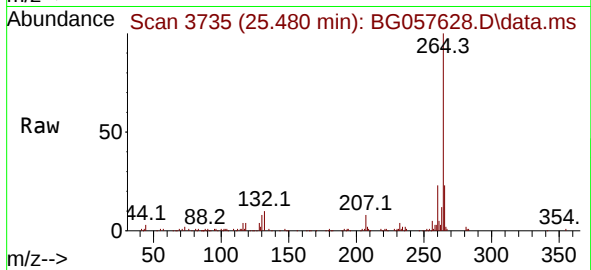
Acq: 31 May 2023 19:24

Instrument :

BNA_G

ClientSampleId :

TP-2



Tgt Ion:264 Resp: 159853

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 22.8 17.7 26.5

