

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110422\
 Data File : BG055457.D
 Acq On : 4 Nov 2022 17:02
 Operator : CG/JU
 Sample : N5418-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-J

Quant Time: Nov 05 00:03:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 05:28:43 2022
 Response via : Initial Calibration

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

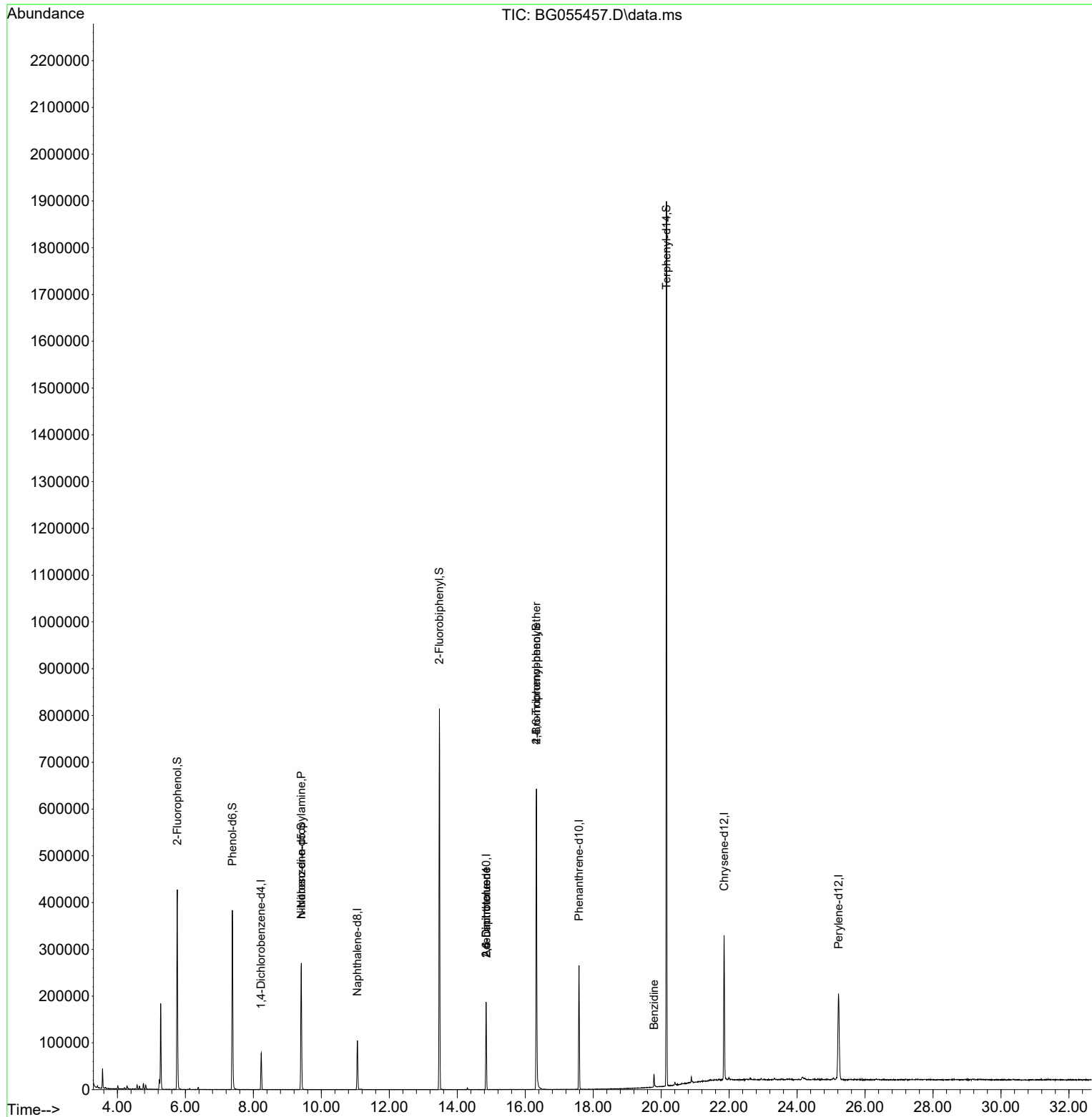
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	24191	20.000	ng	0.00
21) Naphthalene-d8	11.061	136	97492	20.000	ng	0.00
39) Acenaphthene-d10	14.850	164	66565	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	174389	20.000	ng	0.00
76) Chrysene-d12	21.854	240	200077	20.000	ng	0.00
86) Perylene-d12	25.220	264	214307	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	203124	150.792	ng	0.00
7) Phenol-d6	7.383	99	243884	130.557	ng	0.00
23) Nitrobenzene-d5	9.410	82	168536	92.132	ng	0.00
42) 2,4,6-Tribromophenol	16.331	330	156517	172.383	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	432081	96.241	ng	0.00
79) Terphenyl-d14	20.156	244	960967	93.396	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.410	70	22405	15.349	ng	# 79
51) 2,6-Dinitrotoluene	14.850	165	8583	7.379	ng	# 27
57) 2,4-Dinitrotoluene	14.850	165	8583	5.160	ng	# 25
67) 4-Bromophenyl-phenylether	16.331	248	9906	4.805	ng	# 1
77) Benzidine	19.791	184	24183	5.806	ng	98

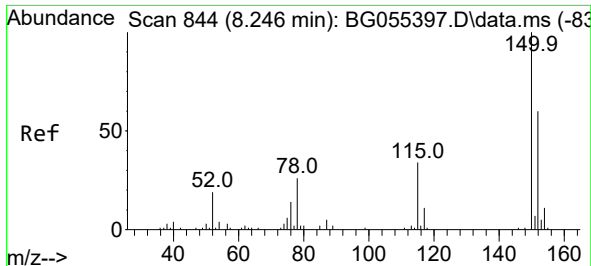
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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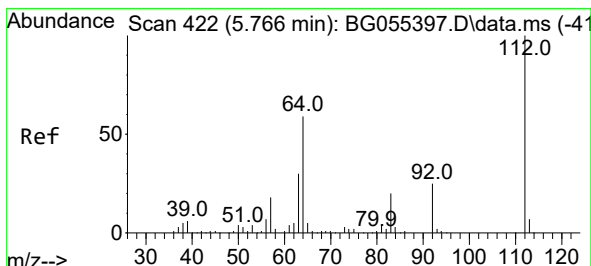
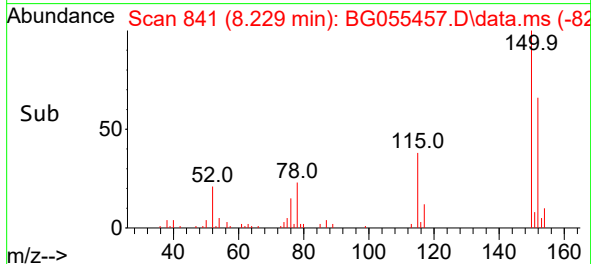
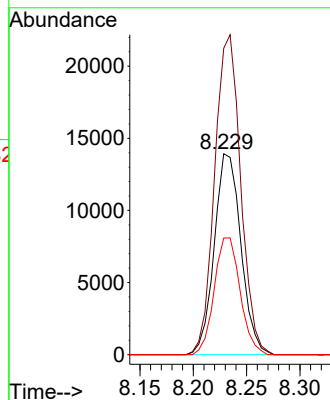
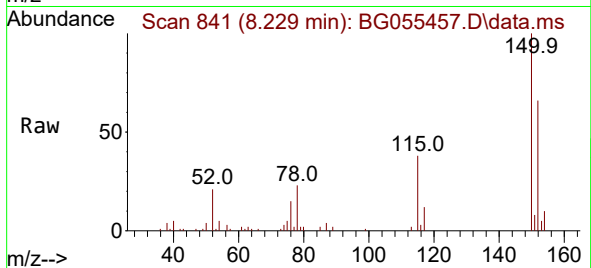




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.229 min Scan# 844
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

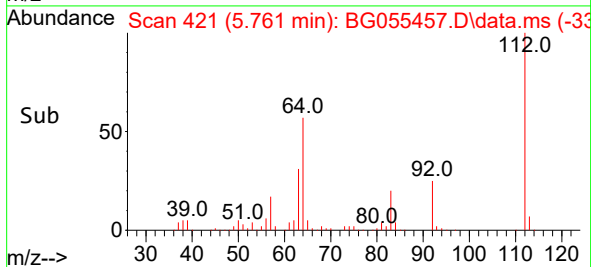
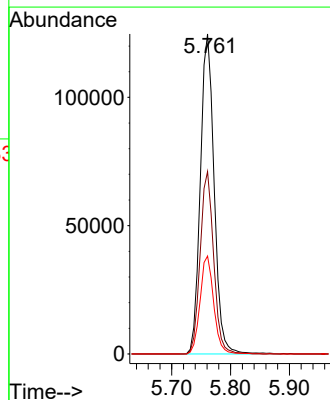
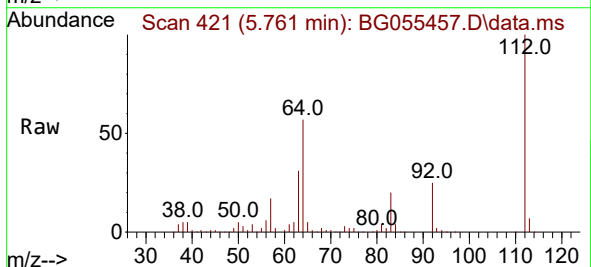
Instrument :
BNA_G
ClientSampleId :
TP-J

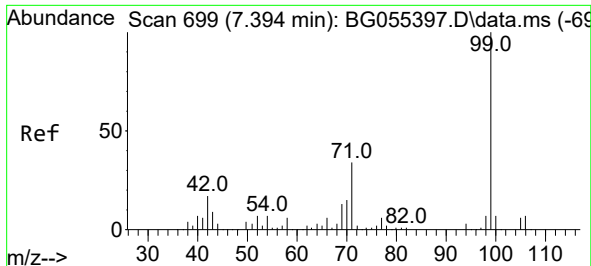
Tgt Ion:152 Resp: 24191
Ion Ratio Lower Upper
152 100
150 152.5 132.8 199.2
115 58.1 45.1 67.7



#5
2-Fluorophenol
Concen: 150.792 ng
RT: 5.761 min Scan# 421
Delta R.T. -0.001 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion:112 Resp: 203124
Ion Ratio Lower Upper
112 100
64 57.0 47.2 70.8
63 30.6 24.3 36.5

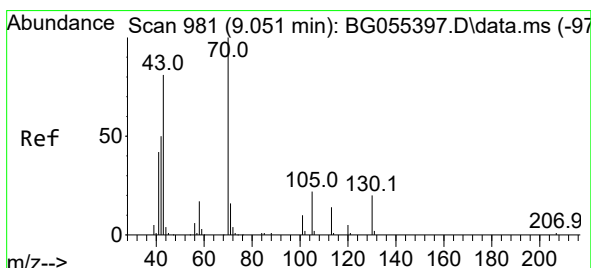
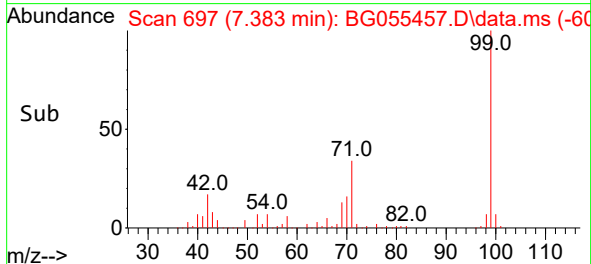
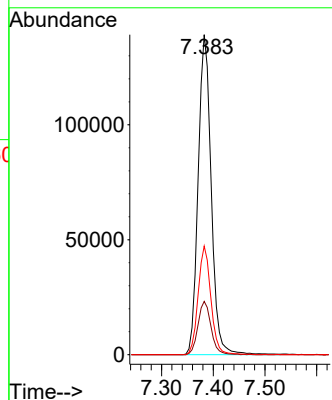
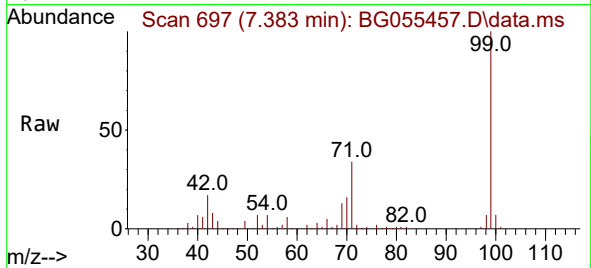




#7
Phenol-d6
Concen: 130.557 ng
RT: 7.383 min Scan# 697
Delta R.T. -0.001 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

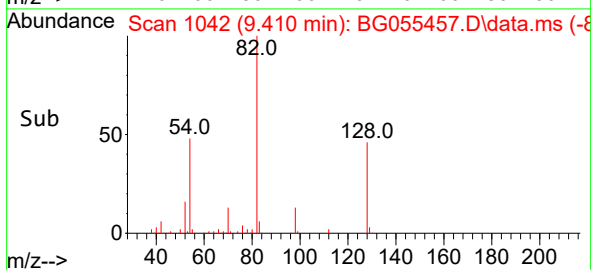
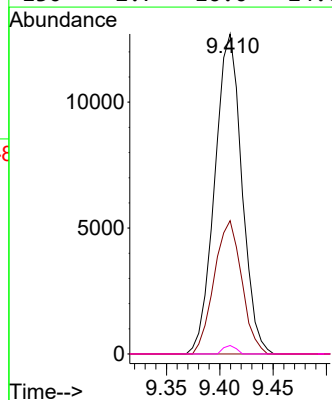
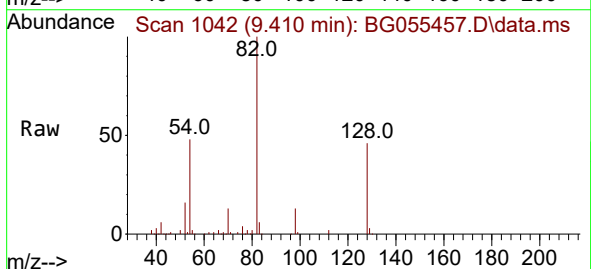
Instrument :
BNA_G
ClientSampleId :
TP-J

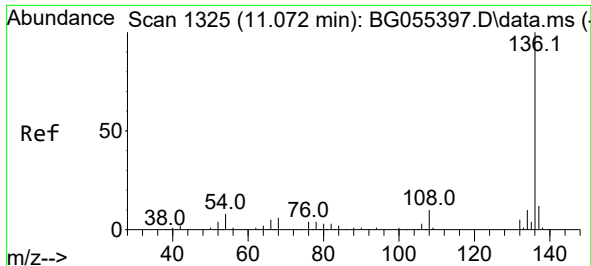
Tgt Ion: 99 Resp: 243884
Ion Ratio Lower Upper
99 100
42 16.7 13.5 20.3
71 33.9 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.349 ng
RT: 9.410 min Scan# 1042
Delta R.T. 0.369 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion: 70 Resp: 22405
Ion Ratio Lower Upper
70 100
42 41.6 40.6 61.0
101 0.0 7.8 11.6#
130 2.7 16.0 24.0#

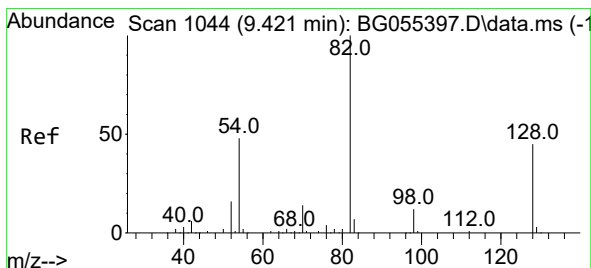
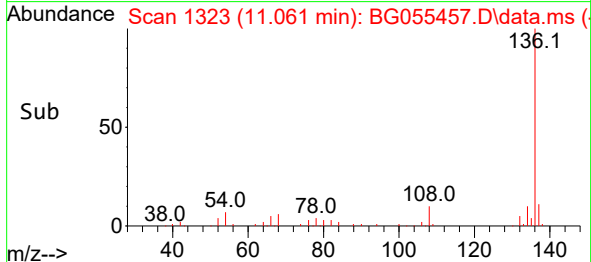
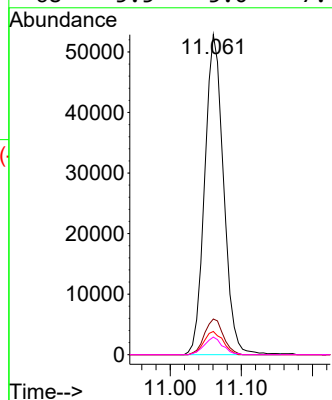
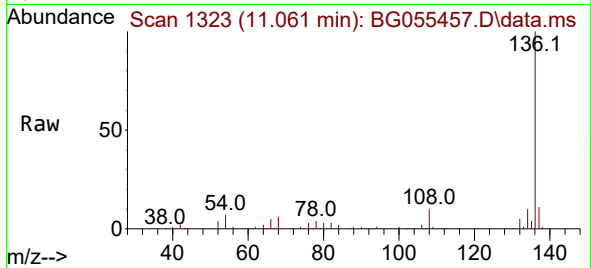




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

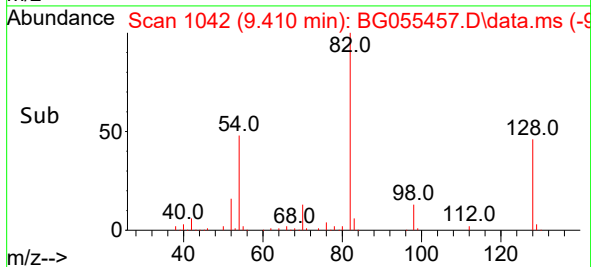
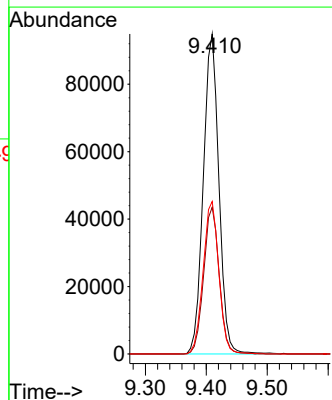
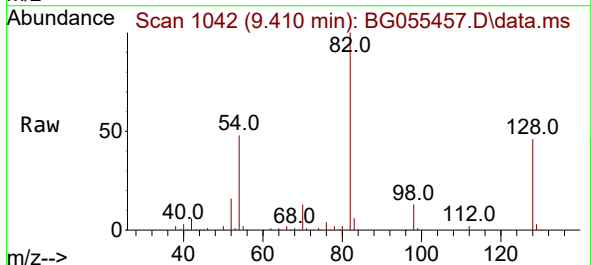
Instrument :
BNA_G
ClientSampleId :
TP-J

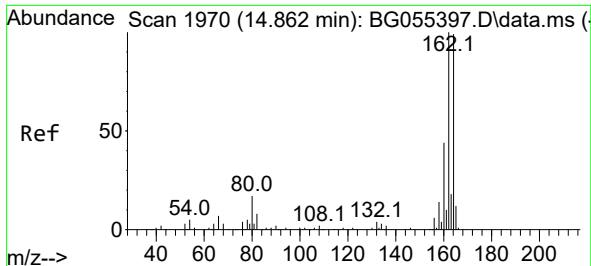
Tgt Ion:136 Resp: 97492
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 7.3 6.1 9.1
68 5.5 5.0 7.4



#23
Nitrobenzene-d5
Concen: 92.132 ng
RT: 9.410 min Scan# 1042
Delta R.T. -0.001 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion: 82 Resp: 168536
Ion Ratio Lower Upper
82 100
128 45.9 35.8 53.8
54 47.7 38.1 57.1

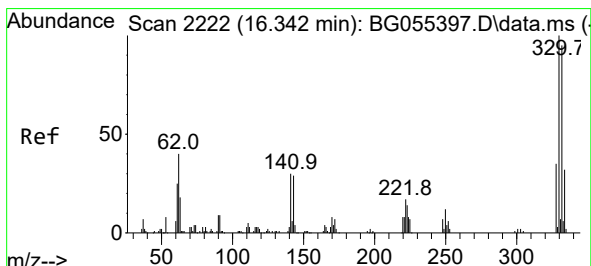
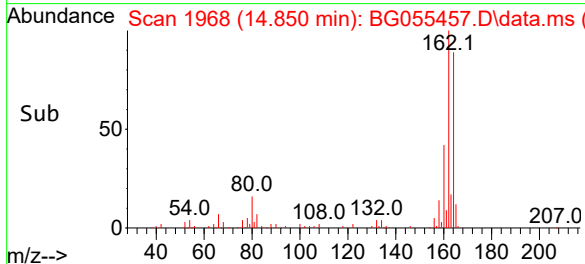
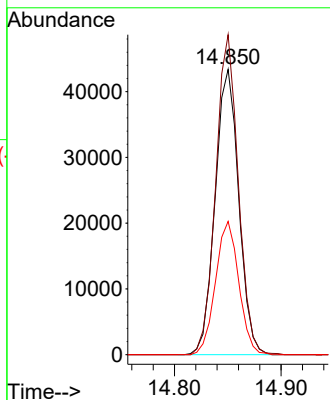
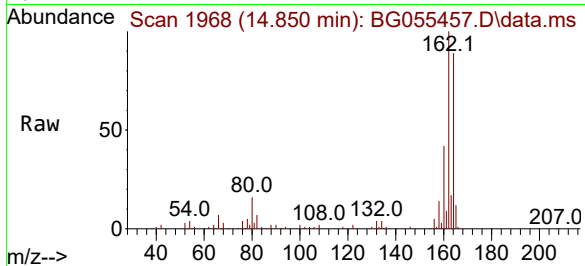




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.850 min Scan# 1970
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

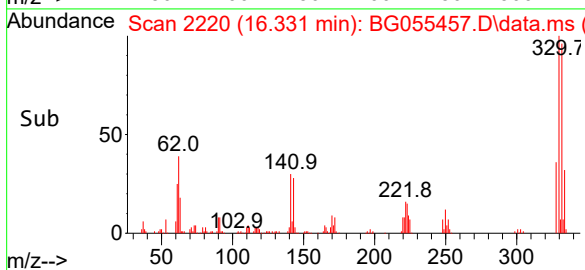
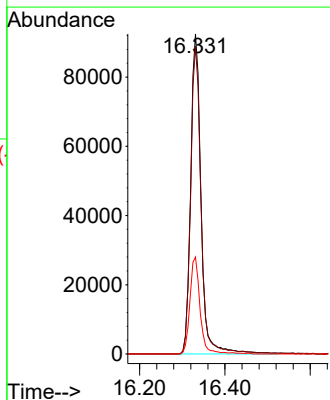
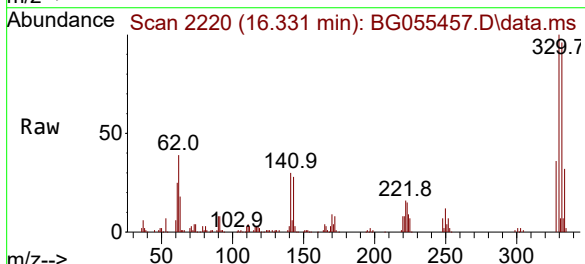
Instrument :
BNA_G
ClientSampleId :
TP-J

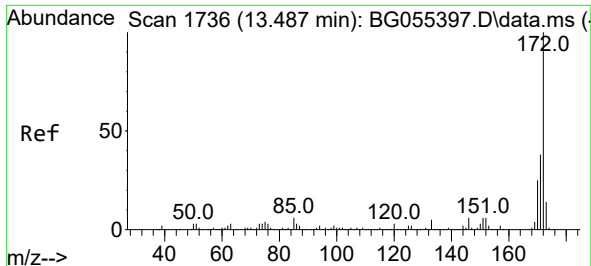
Tgt Ion:164 Resp: 66565
Ion Ratio Lower Upper
164 100
162 112.2 81.1 121.7
160 46.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 172.383 ng
RT: 16.331 min Scan# 2220
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion:330 Resp: 156517
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.6
141 29.8 24.2 36.2

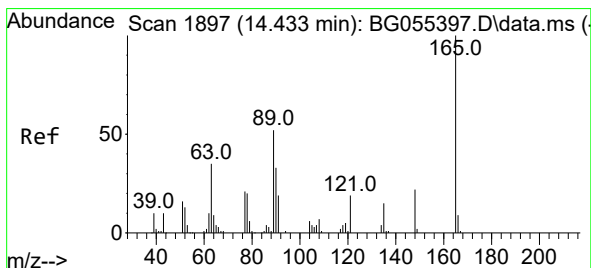
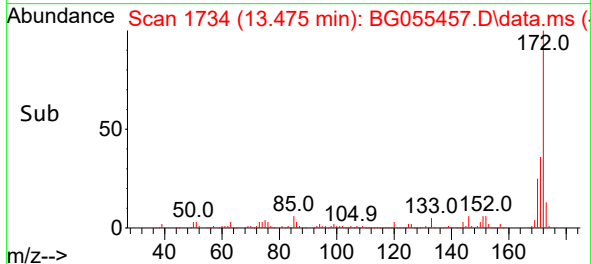
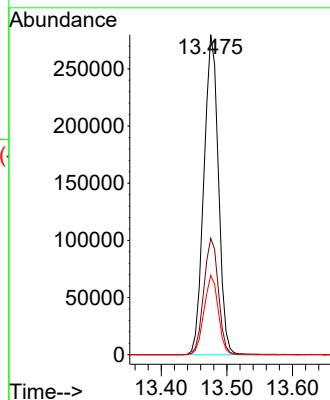
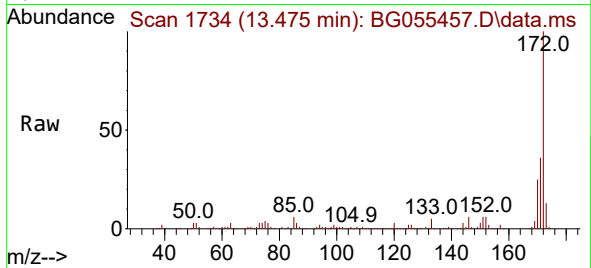




#45
2-Fluorobiphenyl
Concen: 96.241 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

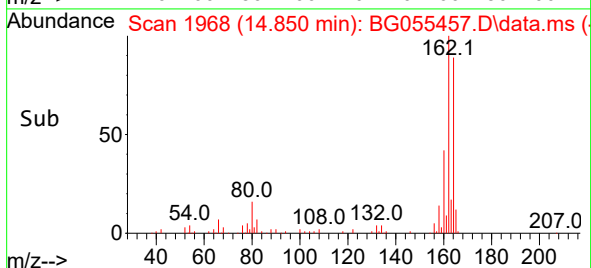
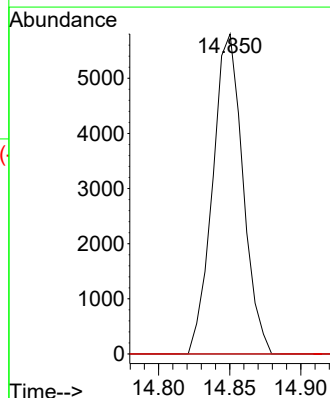
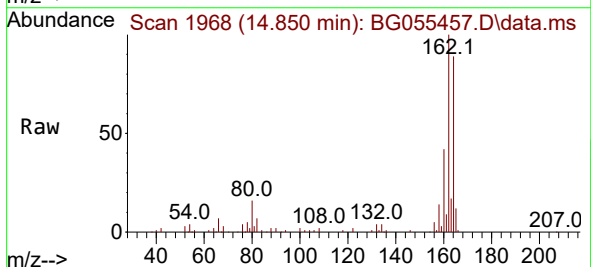
Instrument :
BNA_G
ClientSampleId :
TP-J

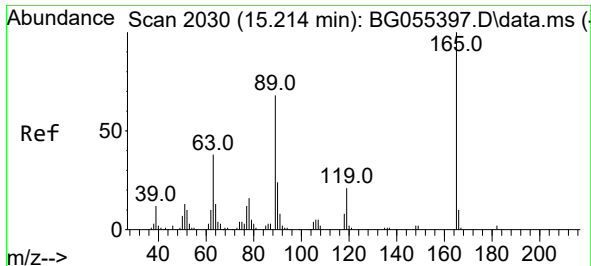
Tgt Ion:172 Resp: 432081
Ion Ratio Lower Upper
172 100
171 36.4 30.2 45.2
170 24.8 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.379 ng
RT: 14.850 min Scan# 1968
Delta R.T. 0.428 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion:165 Resp: 8583
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 0.0 41.8 62.6#





#57

2,4-Dinitrotoluene

Concen: 5.160 ng

RT: 14.850 min Scan# 1968

Delta R.T. -0.360 min

Lab File: BG055457.D

Acq: 4 Nov 2022 17:02

Instrument :

BNA_G

ClientSampleId :

TP-J

Tgt Ion:165 Resp: 8583

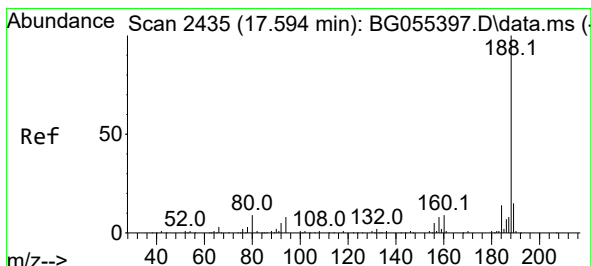
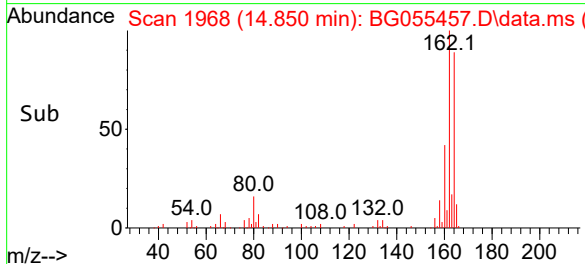
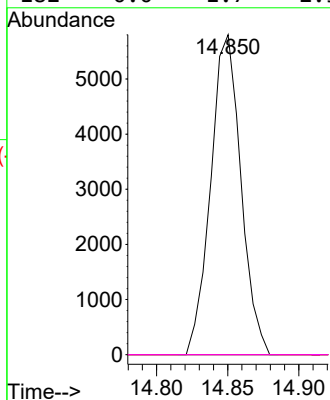
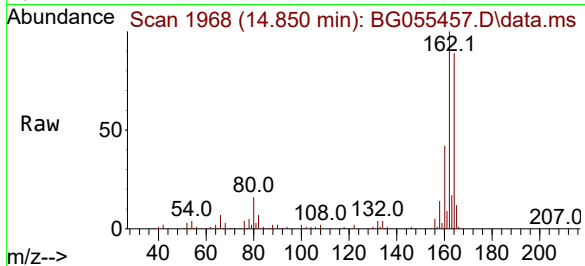
Ion Ratio Lower Upper

165 100

63 0.0 30.8 46.2#

89 0.0 54.5 81.7#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.582 min Scan# 2433

Delta R.T. -0.007 min

Lab File: BG055457.D

Acq: 4 Nov 2022 17:02

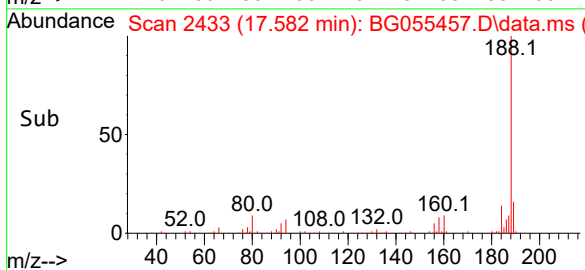
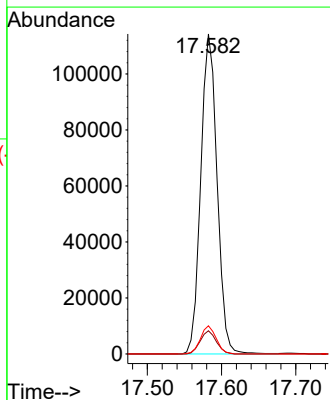
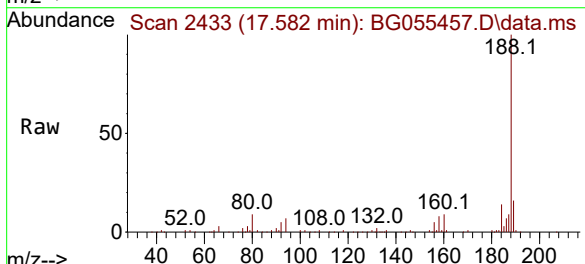
Tgt Ion:188 Resp: 174389

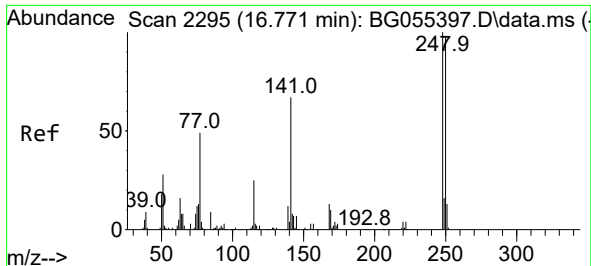
Ion Ratio Lower Upper

188 100

94 7.2 6.5 9.7

80 8.8 7.4 11.0

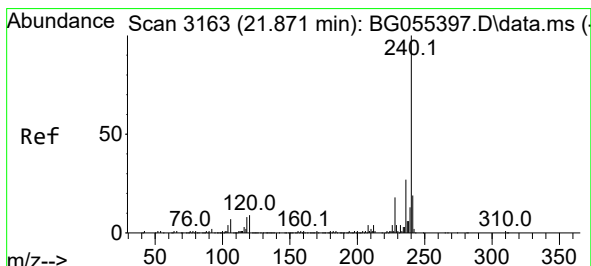
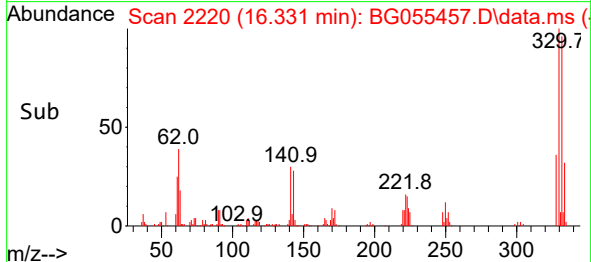
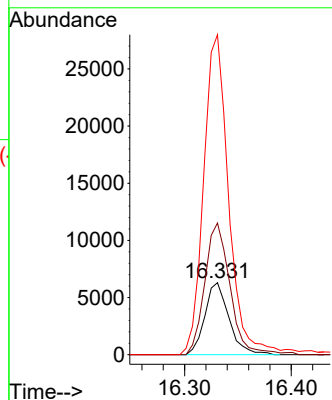
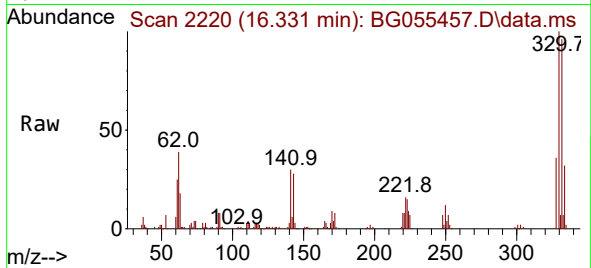




#67
4-Bromophenyl-phenylether
Concen: 4.805 ng
RT: 16.331 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

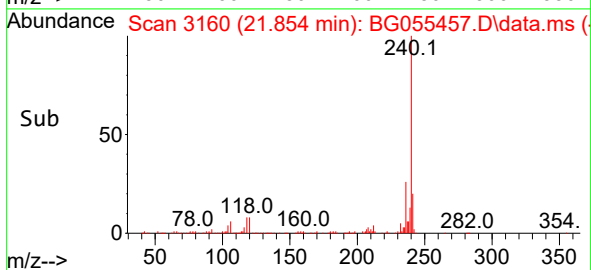
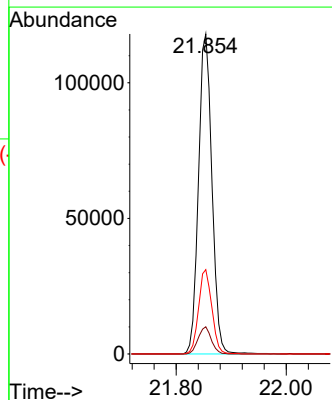
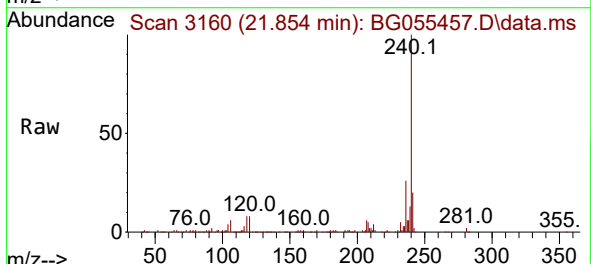
Instrument :
BNA_G
ClientSampleId :
TP-J

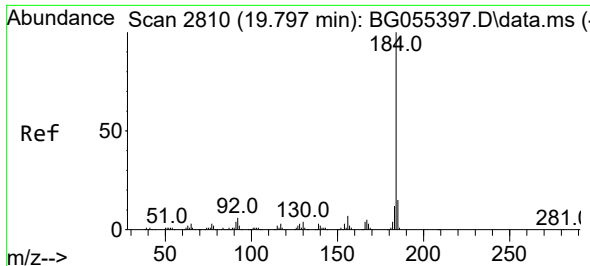
Tgt Ion:248 Resp: 9906
Ion Ratio Lower Upper
248 100
250 182.7 78.3 117.5#
141 444.0 53.7 80.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3160
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

Tgt Ion:240 Resp: 200077
Ion Ratio Lower Upper
240 100
120 8.5 6.9 10.3
236 26.3 21.5 32.3

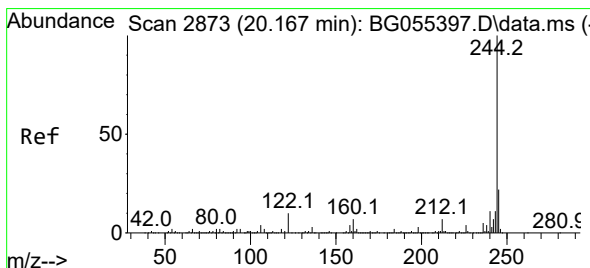
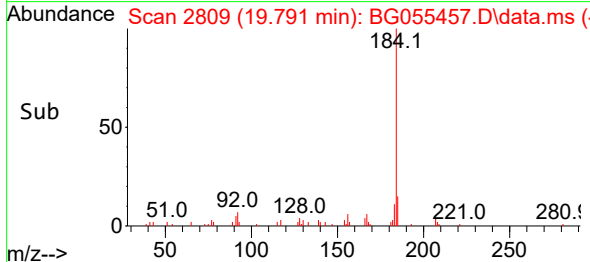
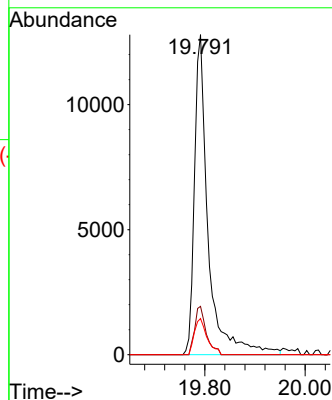
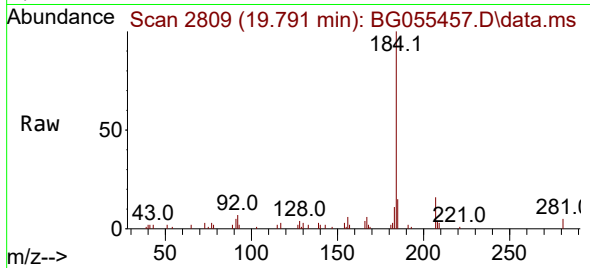




#77
Benzidine
Concen: 5.806 ng
RT: 19.791 min Scan# 2809
Delta R.T. -0.001 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

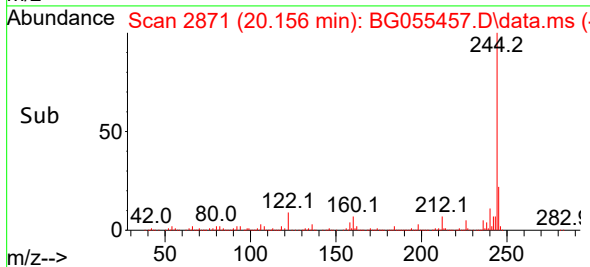
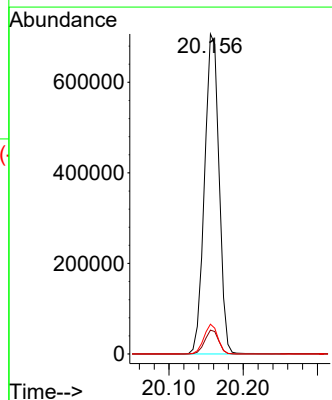
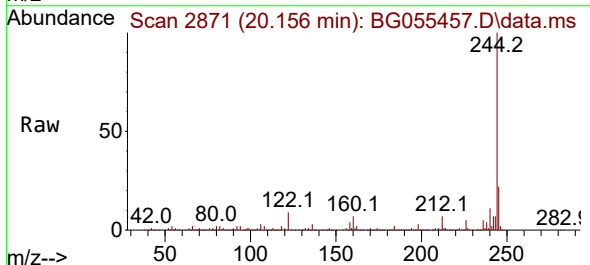
Instrument :
BNA_G
ClientSampleId :
TP-J

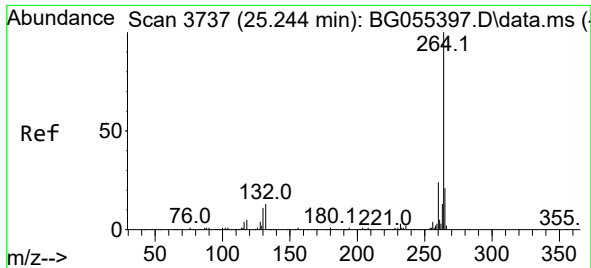
Tgt Ion:184 Resp: 24183
Ion Ratio Lower Upper
184 100
185 15.1 11.7 17.5
183 11.3 9.8 14.8



#79
Terphenyl-d14
Concen: 93.396 ng
RT: 20.156 min Scan# 2871
Delta R.T. -0.007 min
Lab File: BG055457.D
Acq: 4 Nov 2022 17:02

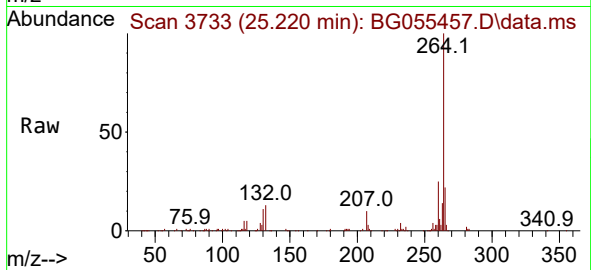
Tgt Ion:244 Resp: 960967
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 9.3 7.8 11.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.220 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG055457.D
 Acq: 4 Nov 2022 17:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-J



Tgt Ion:264 Resp: 214307
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.9 28.3
 265 22.1 17.1 25.7

