

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
 Data File : BG057411.D
 Acq On : 12 May 2023 16:04
 Operator : CG/JU
 Sample : 02644-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20230504

Quant Time: May 12 22:10:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

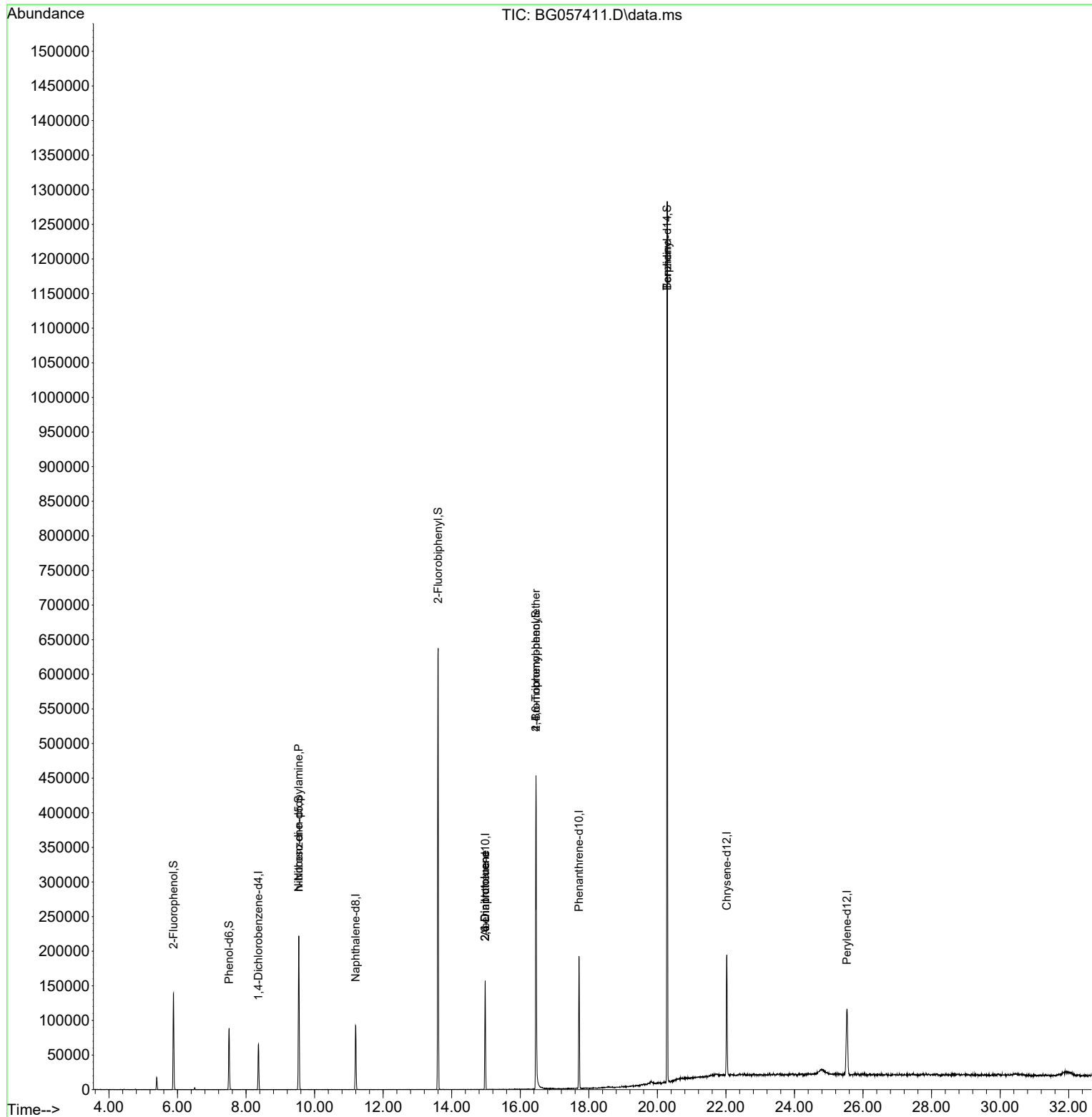
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	19579	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	79164	20.000	ng	0.00
39) Acenaphthene-d10	14.978	164	57344	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	127446	20.000	ng	0.00
76) Chrysene-d12	22.027	240	113966	20.000	ng	0.00
86) Perylene-d12	25.528	264	122327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	63170	55.191	ng	0.00
7) Phenol-d6	7.506	99	53589	30.833	ng	0.00
23) Nitrobenzene-d5	9.538	82	139525	73.973	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	104720	128.704	ng	0.00
45) 2-Fluorobiphenyl	13.603	172	348101	81.756	ng	0.00
79) Terphenyl-d14	20.289	244	660426	94.569	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.538	70	19351	14.601	ng	# 82
51) 2,6-Dinitrotoluene	14.972	165	7487	7.782	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	7487	5.445	ng	# 20
67) 4-Bromophenyl-phenylether	16.458	248	6996	4.497	ng	# 1
77) Benzidine	20.289	184	10072	3.953	ng	# 87

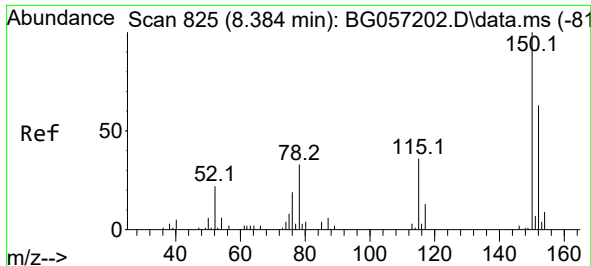
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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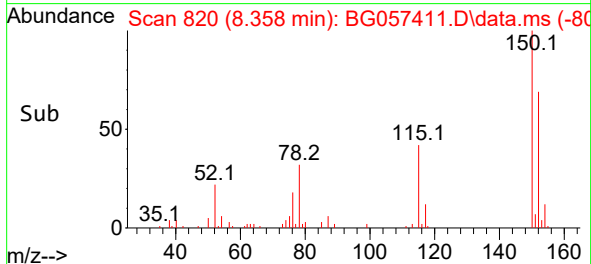
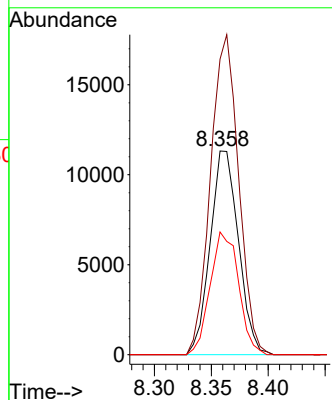
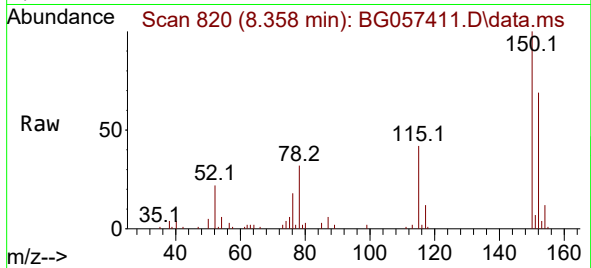




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

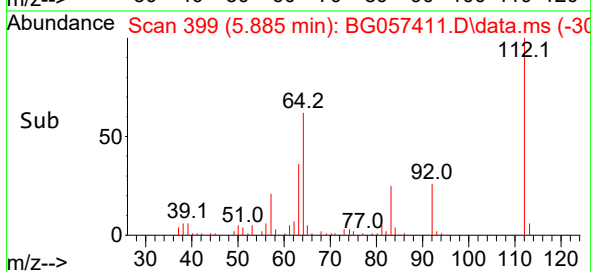
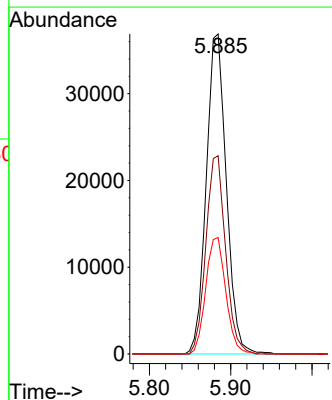
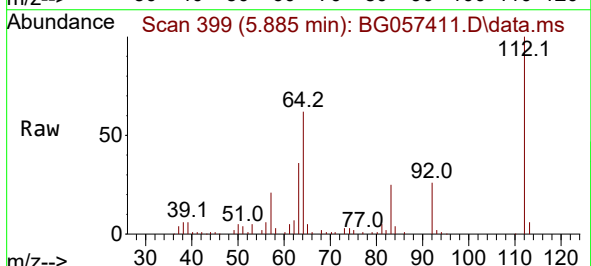
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

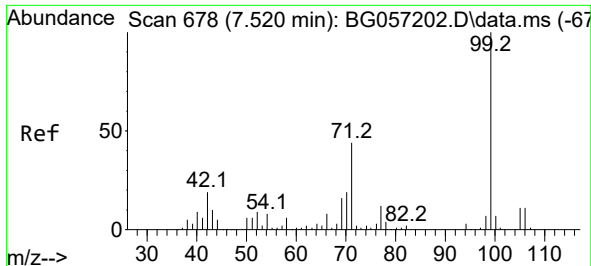
Tgt Ion:152 Resp: 19579
Ion Ratio Lower Upper
152 100
150 145.1 126.2 189.4
115 60.3 45.0 67.4



#5
2-Fluorophenol
Concen: 55.191 ng
RT: 5.885 min Scan# 399
Delta R.T. 0.006 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion:112 Resp: 63170
Ion Ratio Lower Upper
112 100
64 61.9 49.4 74.2
63 36.4 31.6 47.4

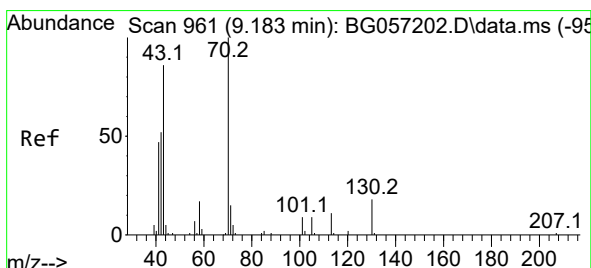
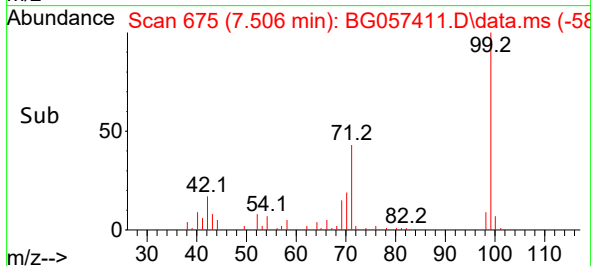
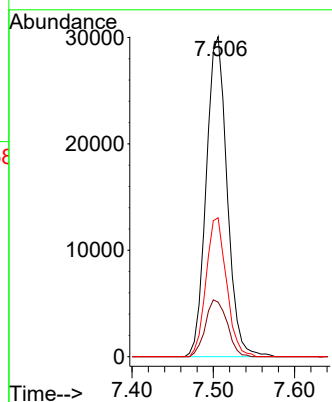
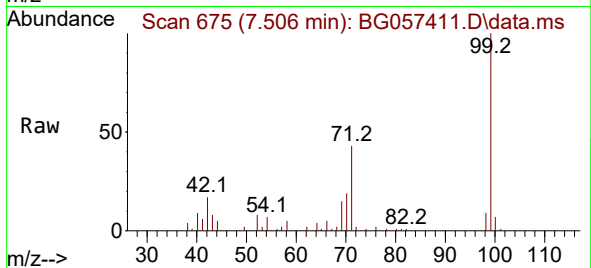




#7
Phenol-d6
Concen: 30.833 ng
RT: 7.506 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

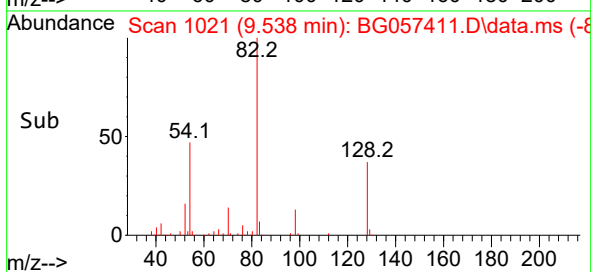
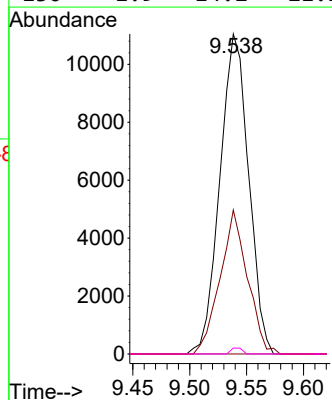
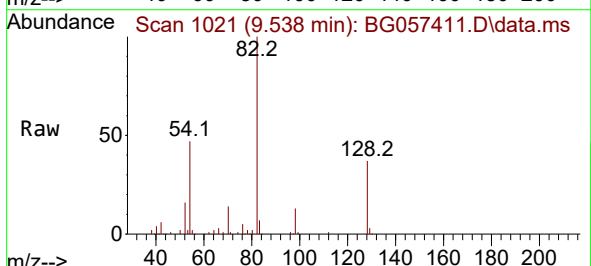
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

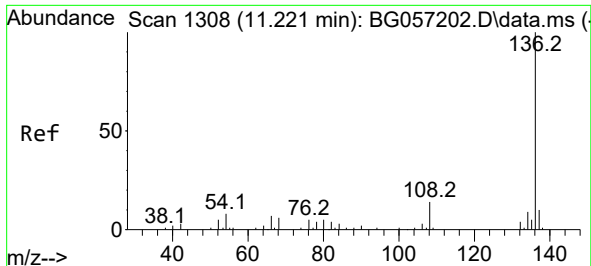
Tgt Ion: 99 Resp: 53589
Ion Ratio Lower Upper
99 100
42 17.0 15.1 22.7
71 43.4 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.601 ng
RT: 9.538 min Scan# 1021
Delta R.T. 0.370 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion: 70 Resp: 19351
Ion Ratio Lower Upper
70 100
42 45.0 41.8 62.8
101 0.0 6.8 10.2#
130 1.9 14.2 21.2#

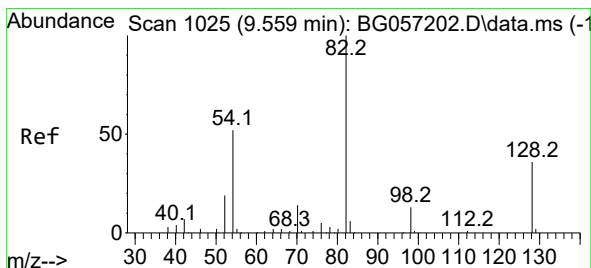
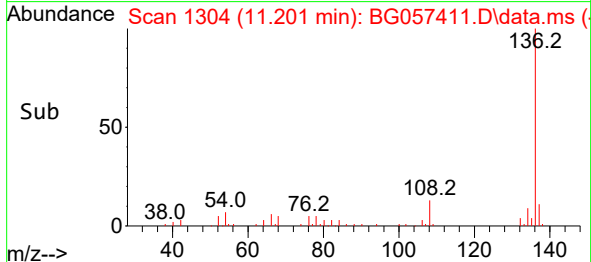
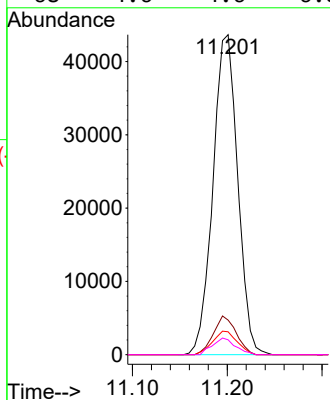
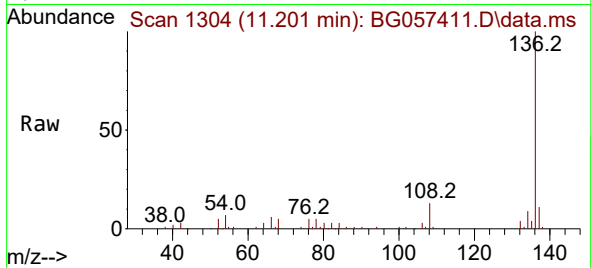




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 111
Delta R.T. 0.000 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

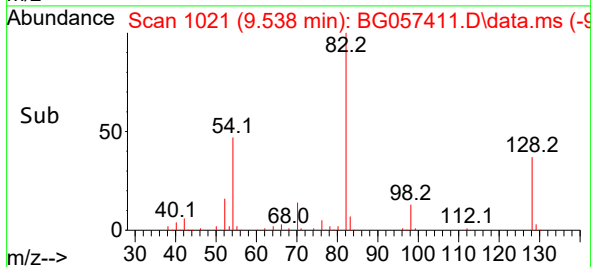
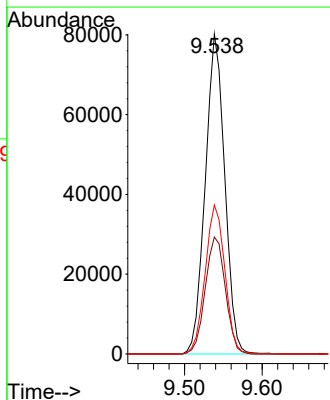
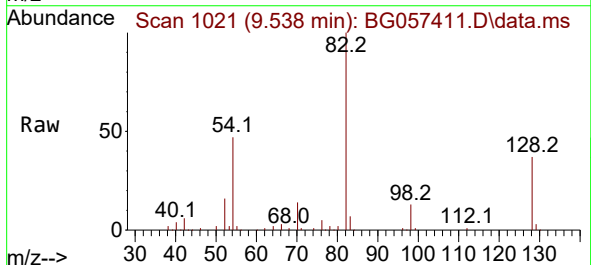
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

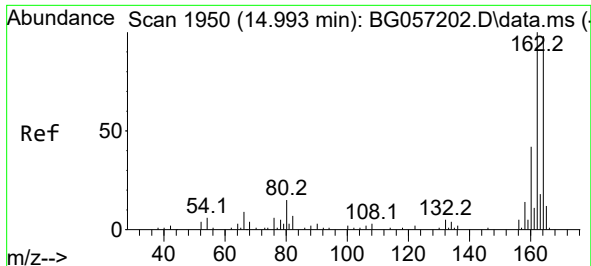
Tgt Ion:136	Resp:	79164
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.3 12.5
54	7.2	6.7 10.1
68	4.6	4.6 6.8



#23
Nitrobenzene-d5
Concen: 73.973 ng
RT: 9.538 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion: 82	Resp:	139525
Ion Ratio	Lower	Upper
82	100	
128	36.5	29.0 43.4
54	46.6	41.4 62.0

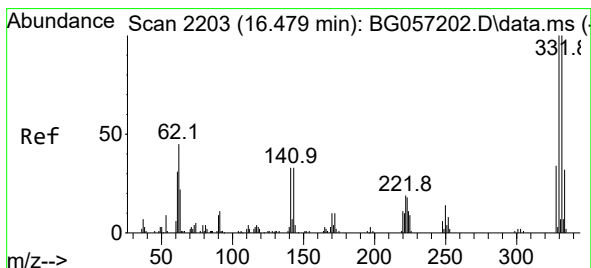
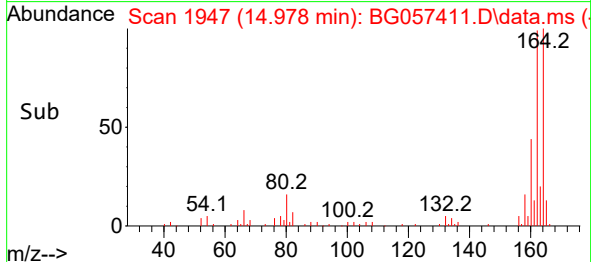
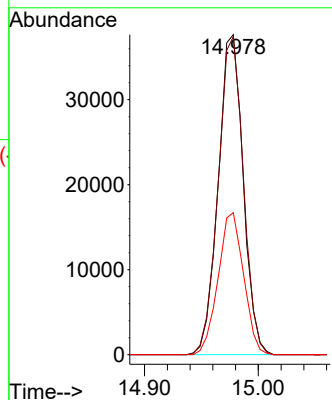
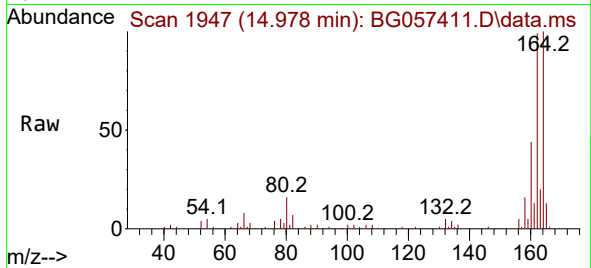




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.978 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

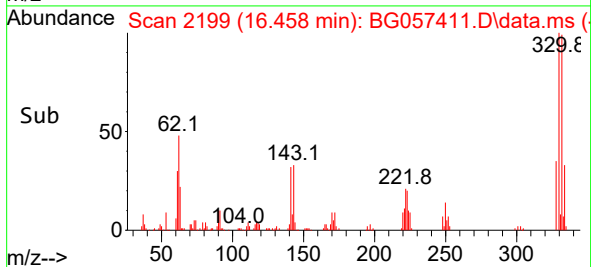
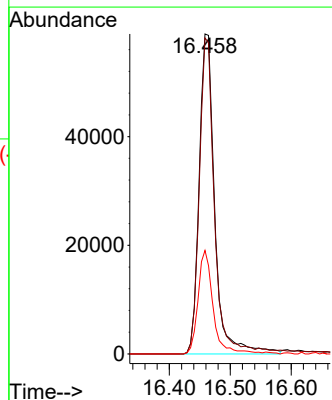
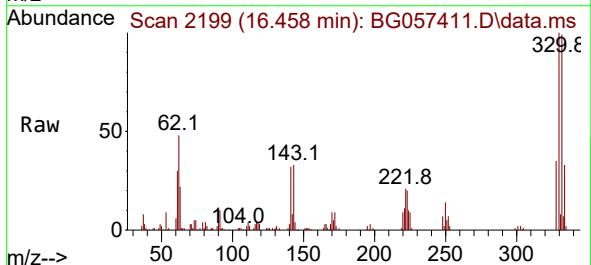
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

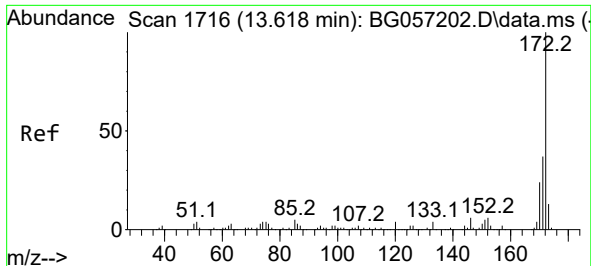
Tgt Ion:164 Resp: 57344
Ion Ratio Lower Upper
164 100
162 99.4 81.8 122.6
160 44.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 128.704 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion:330 Resp: 104720
Ion Ratio Lower Upper
330 100
332 94.4 78.2 117.2
141 31.2 27.8 41.8

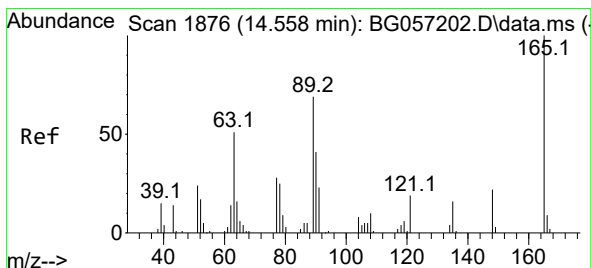
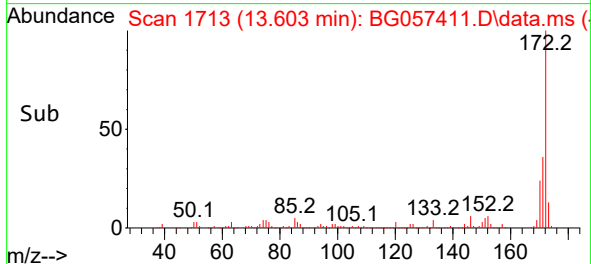
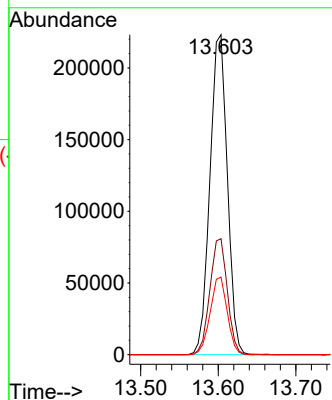
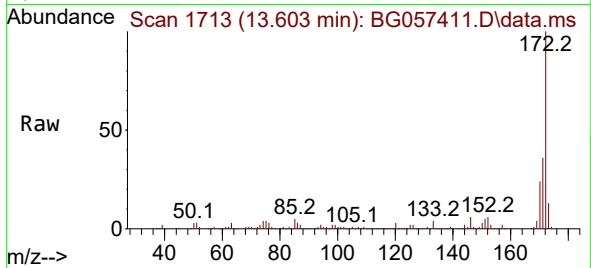




#45
2-Fluorobiphenyl
Concen: 81.756 ng
RT: 13.603 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

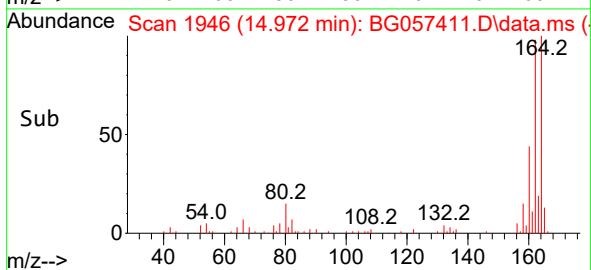
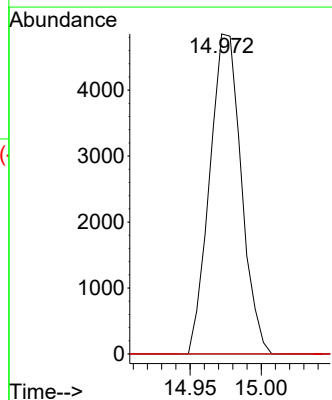
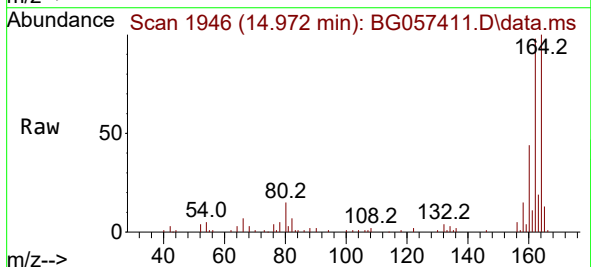
Instrument :
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ClientSampleId :
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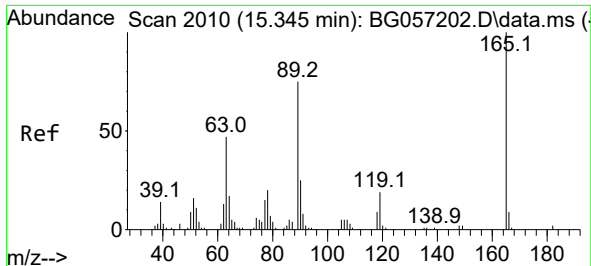
Tgt Ion:172 Resp: 348101
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.782 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.423 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

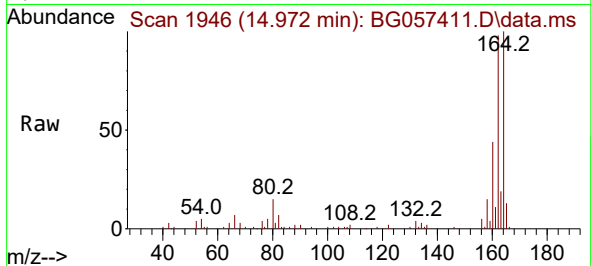
Tgt Ion:165 Resp: 7487
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



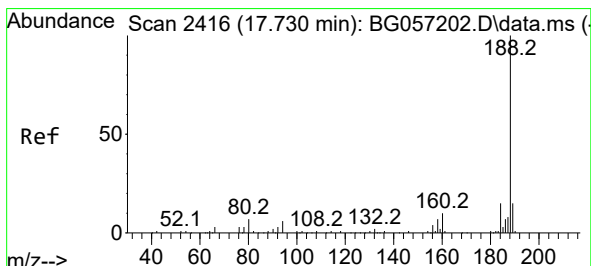
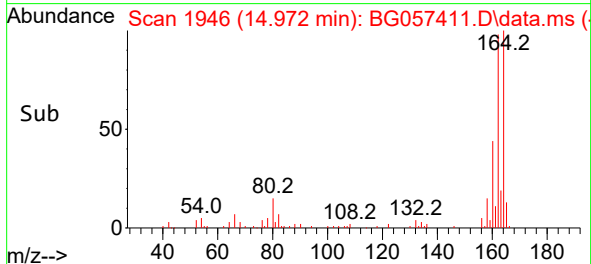
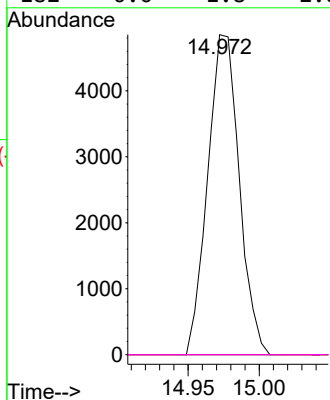


#57
2,4-Dinitrotoluene
Concen: 5.445 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.364 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

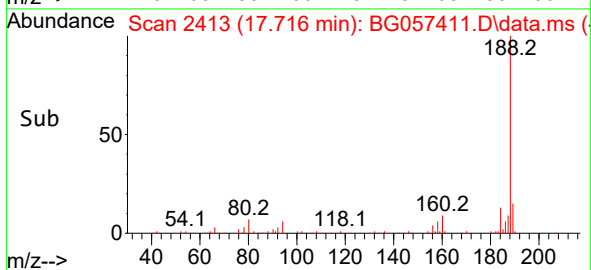
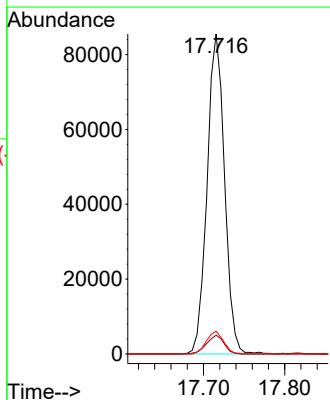
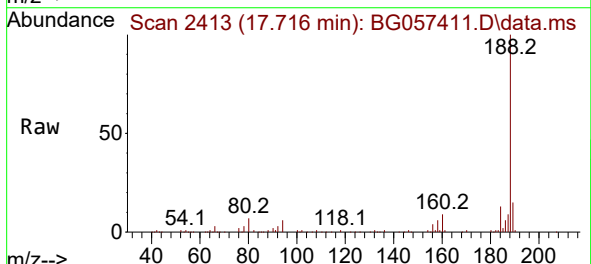


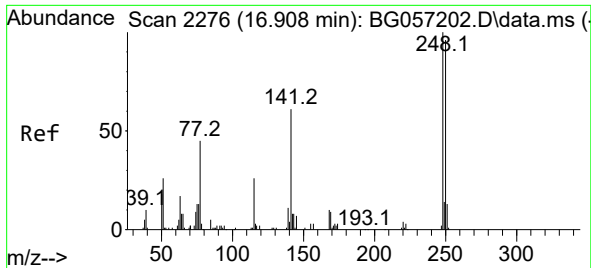
Tgt Ion:165 Resp: 7487
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.716 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion:188 Resp: 127446
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 7.1 5.7 8.5

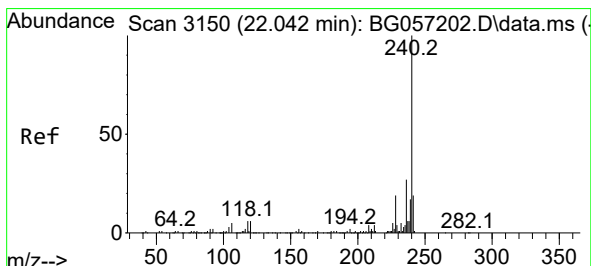
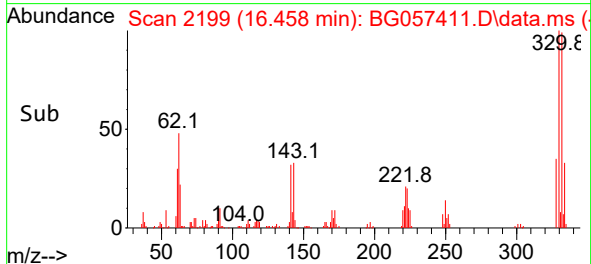
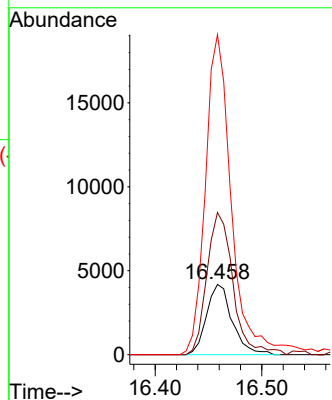
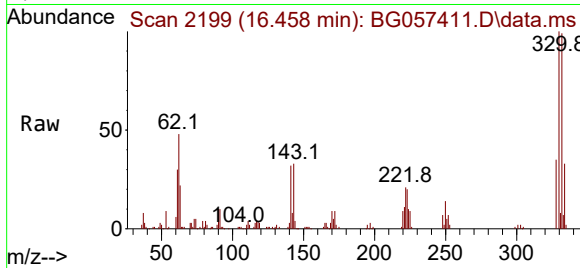




#67
4-Bromophenyl-phenylether
Concen: 4.497 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.435 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

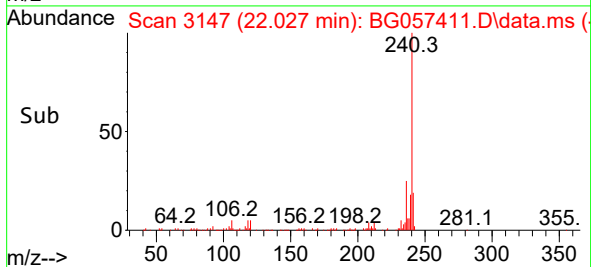
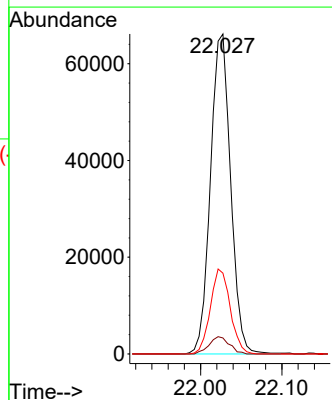
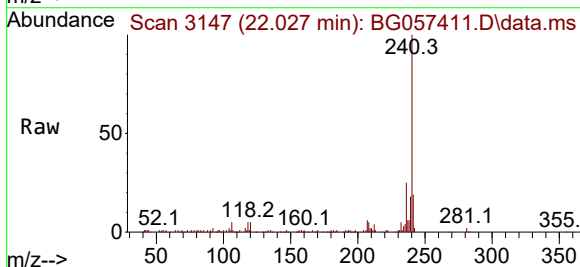
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

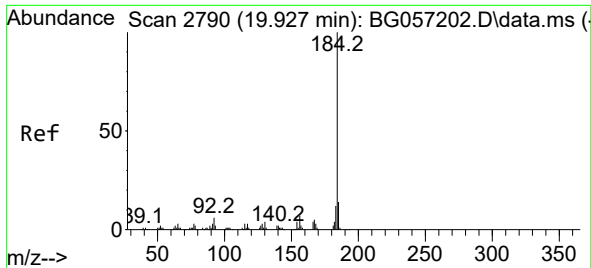
Tgt Ion:248 Resp: 6996
Ion Ratio Lower Upper
248 100
250 202.5 77.0 115.6#
141 455.4 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3147
Delta R.T. -0.006 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion:240 Resp: 113966
Ion Ratio Lower Upper
240 100
120 5.0 4.9 7.3
236 25.2 21.4 32.2

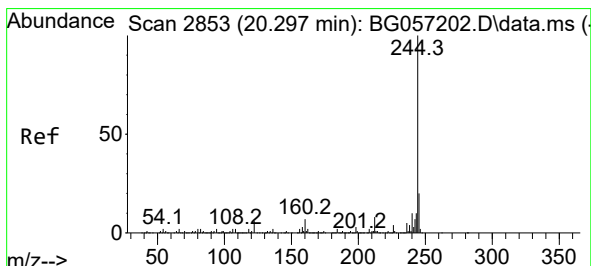
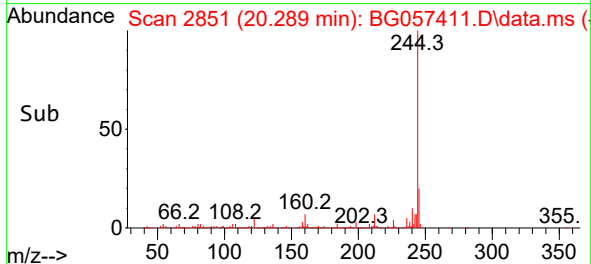
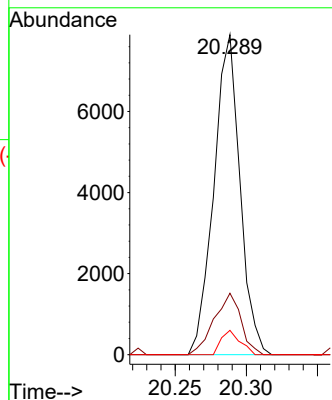
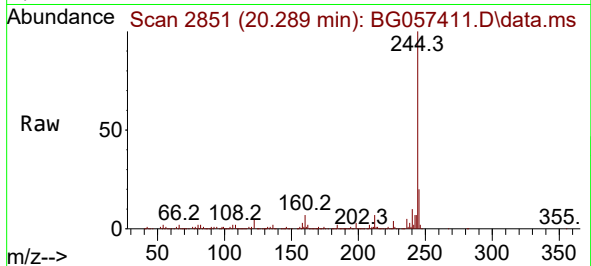




#77
Benzidine
Concen: 3.953 ng
RT: 20.289 min Scan# 2851
Delta R.T. 0.370 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

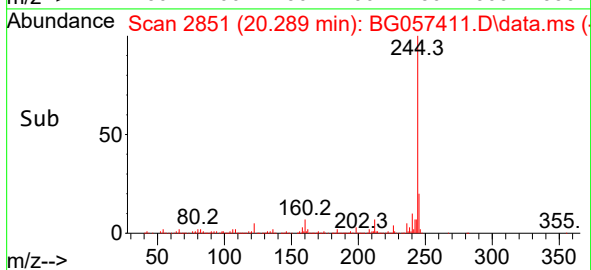
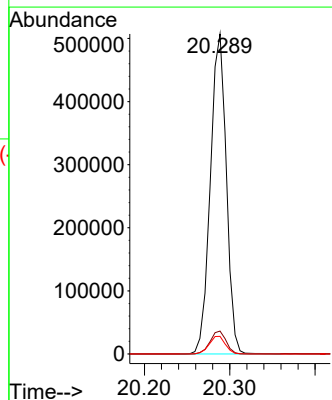
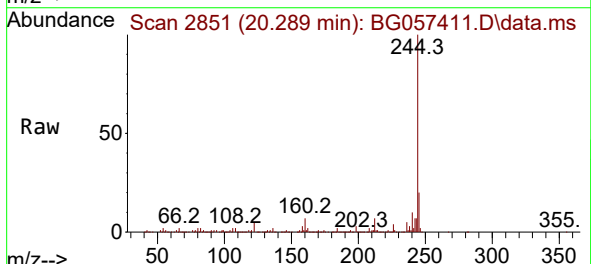
Instrument :
BNA_G
ClientSampleId :
SP-303-20230504

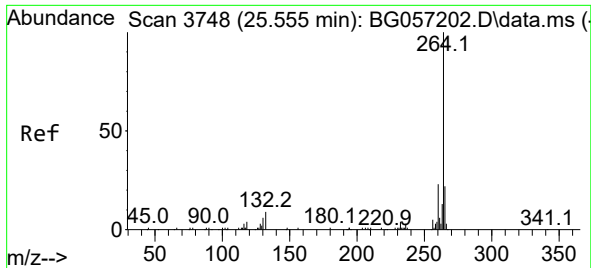
Tgt Ion:184 Resp: 10072
Ion Ratio Lower Upper
184 100
185 19.2 11.1 16.7#
183 7.6 9.9 14.9#



#79
Terphenyl-d14
Concen: 94.569 ng
RT: 20.289 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BG057411.D
Acq: 12 May 2023 16:04

Tgt Ion:244 Resp: 660426
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 5.5 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.528 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG057411.D
 Acq: 12 May 2023 16:04

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20230504

Tgt Ion:264	Resp:	122327
Ion Ratio	Lower	Upper
264	100	
260	23.1	18.8 28.2
265	20.1	17.9 26.9

