Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101321\
Data File : BG050578.D
Acq On : 13 Oct 2021 20:15
Operator : CG/JU
Sample : M4041-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : N-2

Quant Time: Oct 14 03:05:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 15:51:01 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	42926	20.000	ng	# 0.00
21) Naphthalene-d8	11.079	136	175904	20.000	ng	#-0.01
39) Acenaphthene-d10	14.875	164	115166	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	265206	20.000	ng	# 0.00
76) Chrysene-d12	21.914	240	239505	20.000	ng	# 0.00
86) Perylene-d12	25.327	264	232453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	298242	103.907	ng	0.00
7) Phenol-d6	7.401	99	401348	96.579	ng	0.00
23) Nitrobenzene-d5	9.428	82	284881	67.042	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	112758	102.649	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	514377	67.221	ng	0.00
79) Terphenyl-d14	20.204	244	813072	66.159	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.401	77	1212	Below Cal	#	26
19) n-Nitroso-di-n-propyla...	9.428	70	40203	13.273	ng	# 70
51) 2,6-Dinitrotoluene	14.875	165	14906	8.549	ng	# 12
57) 2,4-Dinitrotoluene	14.875	165	14906	6.065	ng	# 17
67) 4-Bromophenyl-phenylether	16.356	248	9345	3.497	ng	# 1
77) Benzidine	20.204	184	15737	2.027	ng	# 88

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

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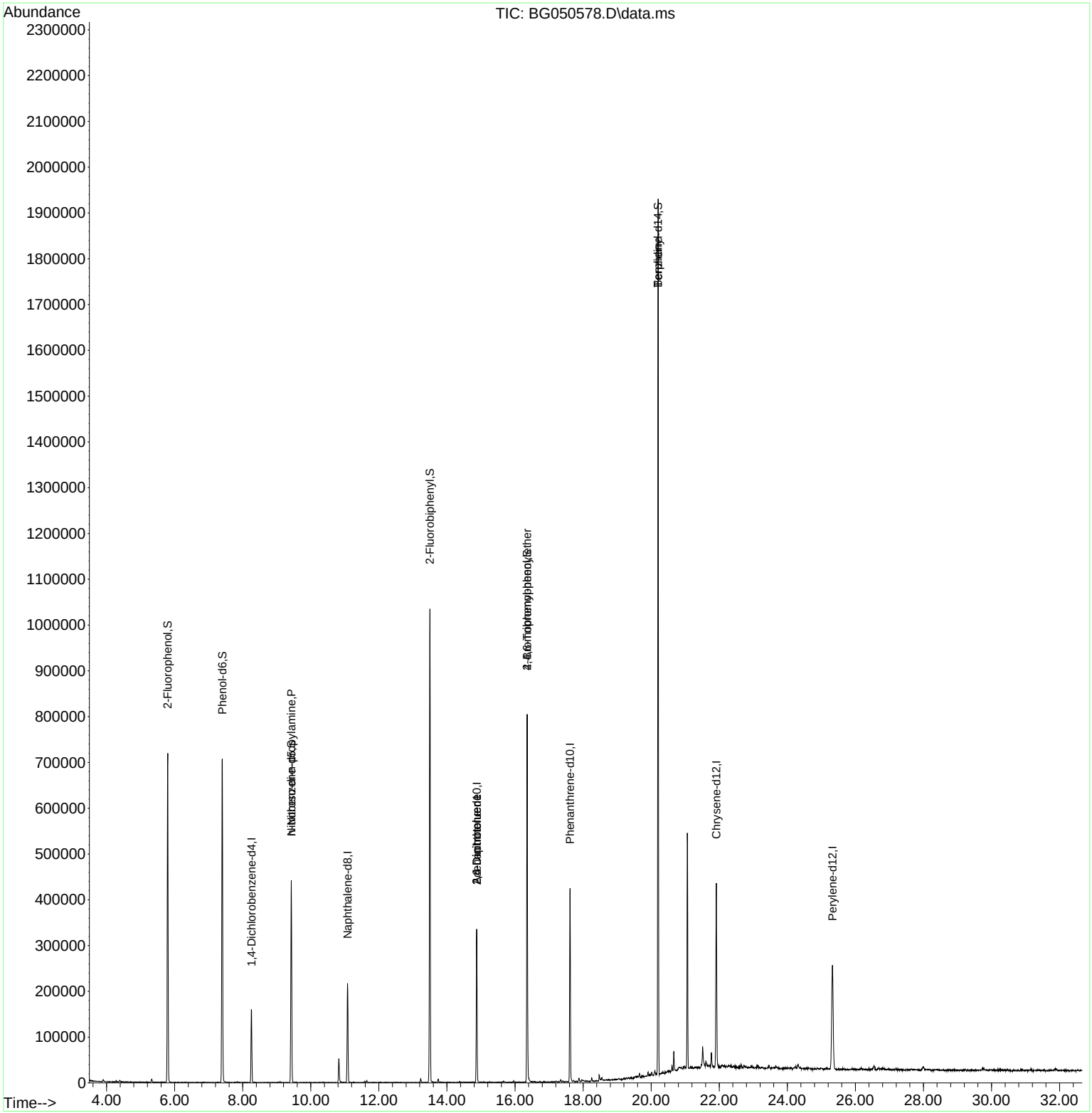
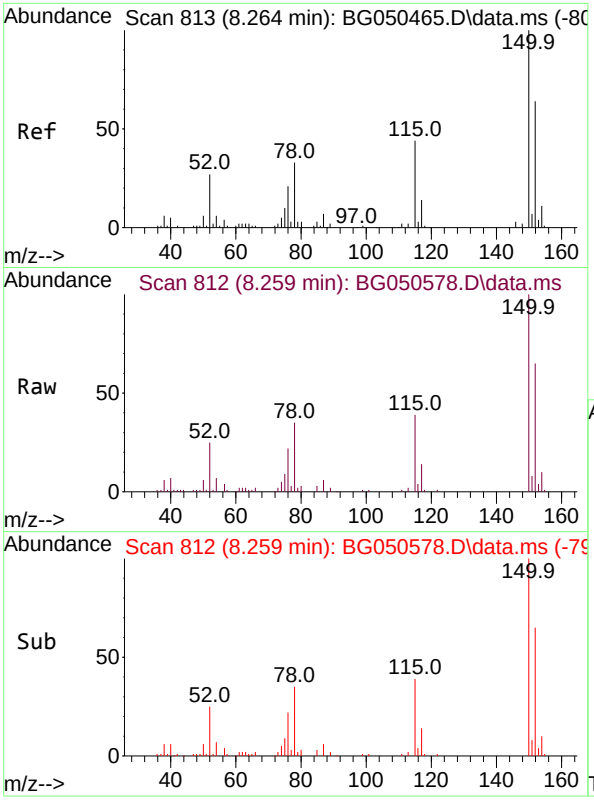


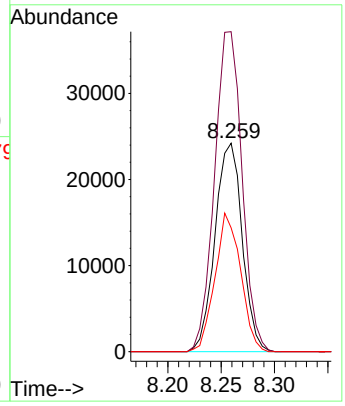
Instrument :
BNA_G
ClientSampleId :
N-2

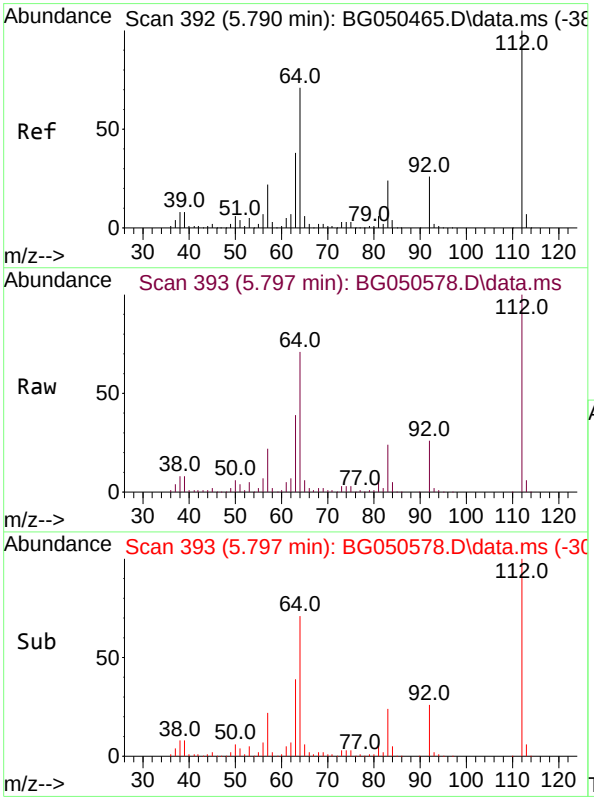


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:152 Resp: 42926

Ion	Ratio	Lower	Upper
152	100		
150	153.4	119.4	179.0
115	59.4	60.2	90.4#

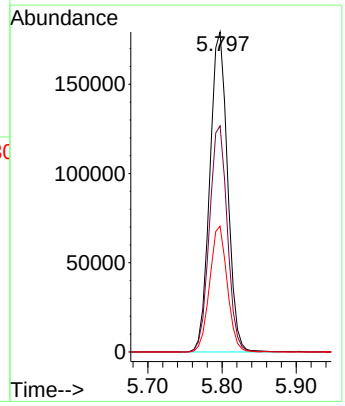


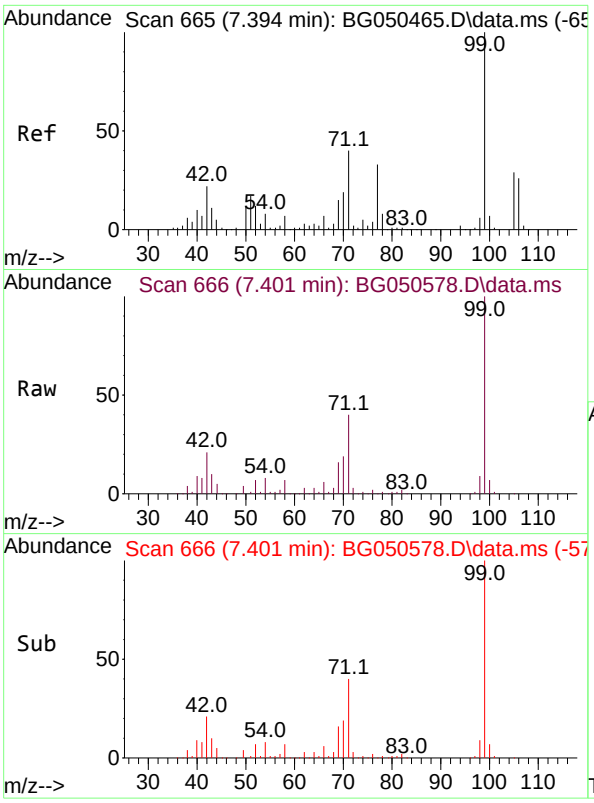


#5
2-Fluorophenol
Concen: 103.907 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:112 Resp: 298242

Ion	Ratio	Lower	Upper
112	100		
64	70.7	46.7	70.1#
63	39.3	35.3	52.9

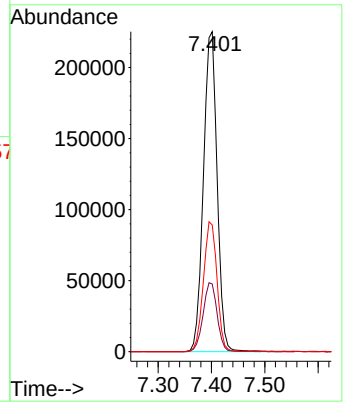




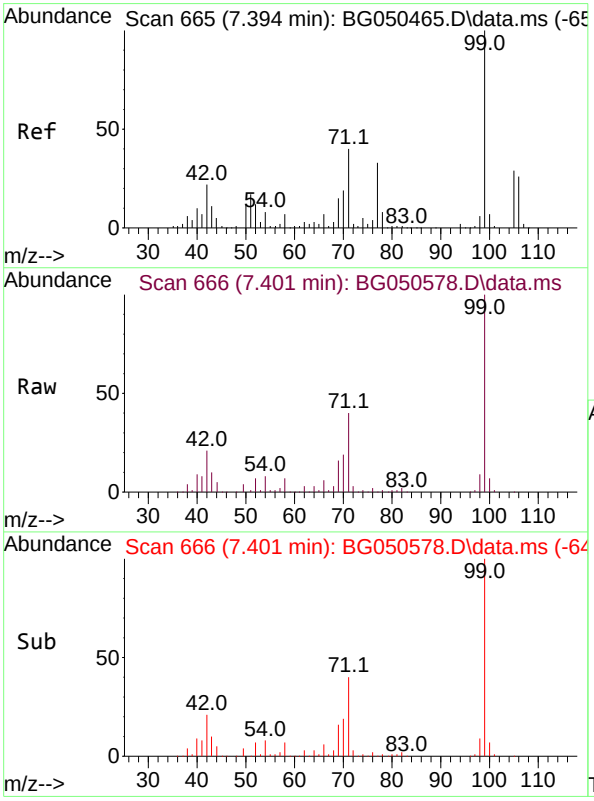
#7
Phenol-d6
Concen: 96.579 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion: 99 Resp: 401348

Ion	Ratio	Lower	Upper
99	100		
42	21.2	20.5	30.7
71	39.6	41.5	62.3#



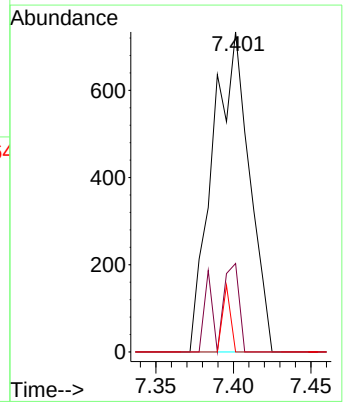
Instrument :
BNA_G
ClientSampleId :
N-2



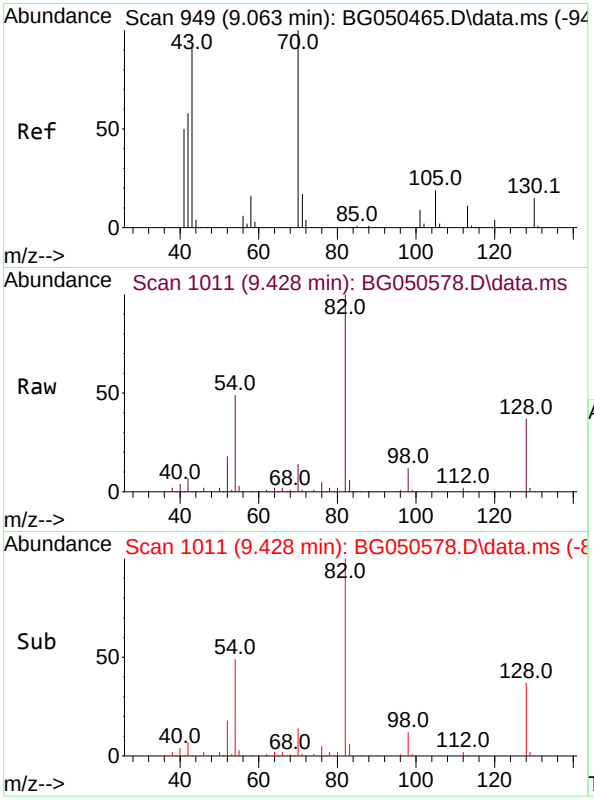
#9
Benzaldehyde
Concen: Below Cal
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion: 77 Resp: 1212

Ion	Ratio	Lower	Upper
77	100		
105	27.7	68.8	108.8#
106	0.0	47.9	87.9#



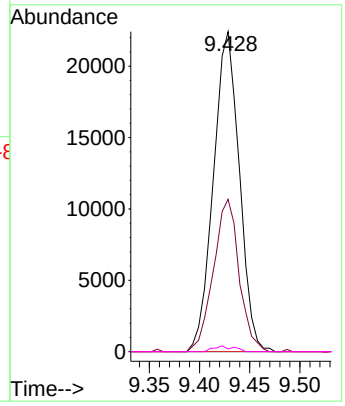
Instrument :
BNA_G
ClientSampleId :
N-2

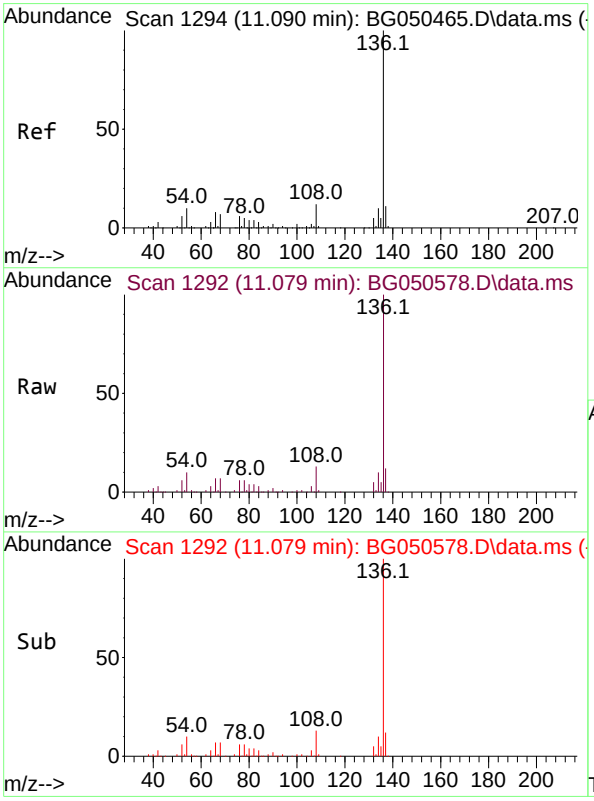


#19
n-Nitroso-di-n-propylamine
Concen: 13.273 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.366 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion: 70 Resp: 40203

Ion	Ratio	Lower	Upper
70	100		
42	47.6	54.5	81.7#
101	0.0	9.0	13.6#
130	0.8	17.0	25.6#

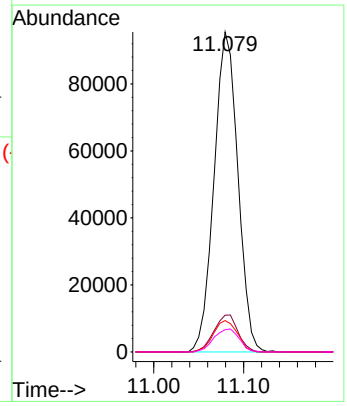




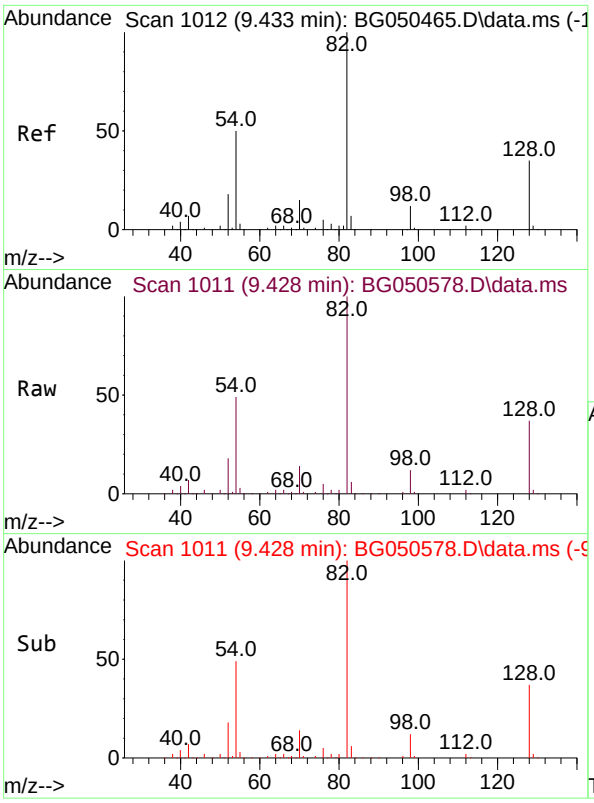
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1292
Delta R.T. -0.010 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:136 Resp: 175904

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.2
54	9.8	5.5	8.3#
68	7.0	2.3	3.5#



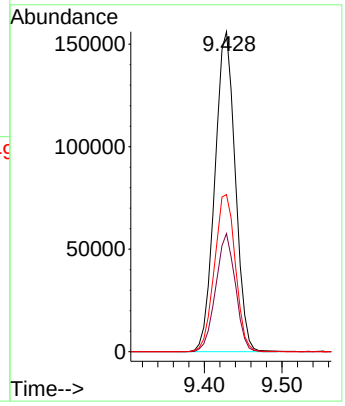
Instrument :
BNA_G
ClientSampleId :
N-2

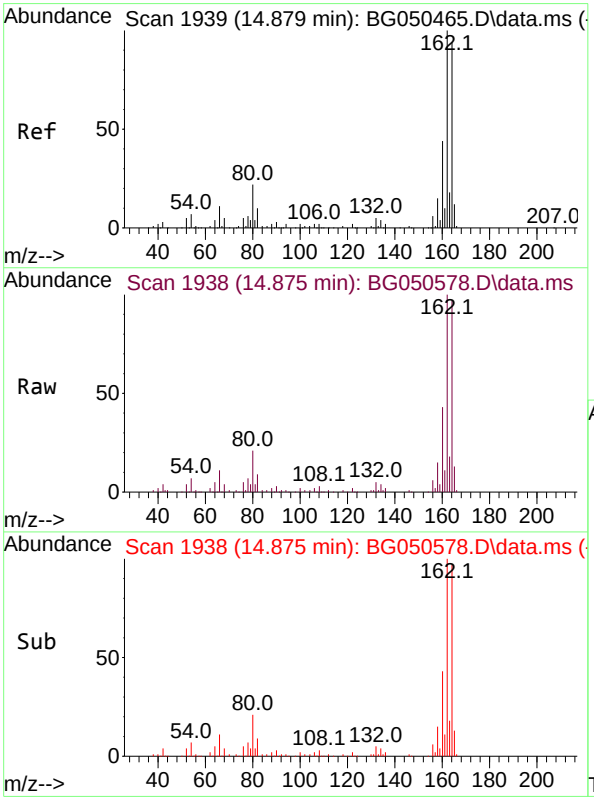


#23
Nitrobenzene-d5
Concen: 67.042 ng
RT: 9.428 min Scan# 1011
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion: 82 Resp: 284881

Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.8	44.6
54	49.1	45.8	68.8

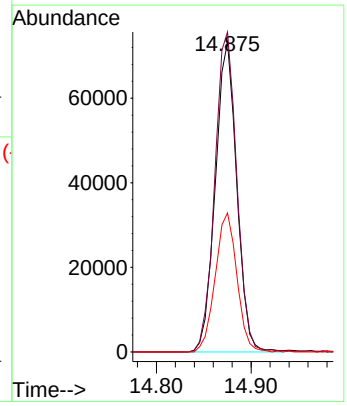




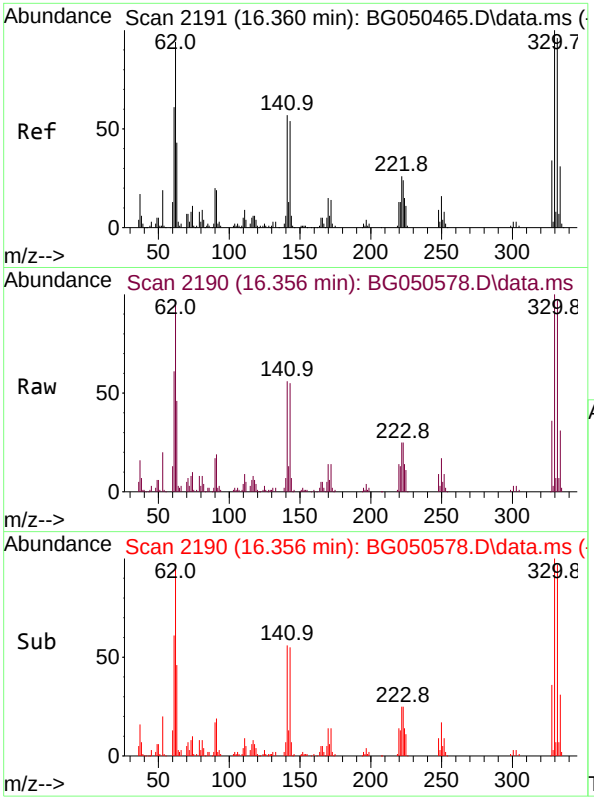
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:164 Resp: 115166

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.4	122.0
160	44.8	34.9	52.3



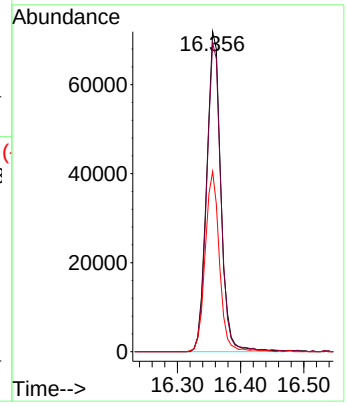
Instrument :
BNA_G
ClientSampleId :
N-2

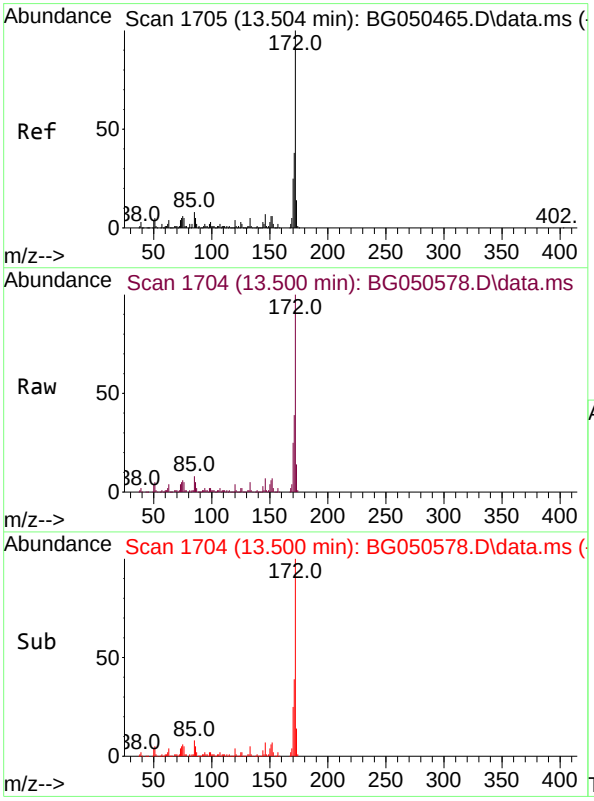


#42
2,4,6-Tribromophenol
Concen: 102.649 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:330 Resp: 112758

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	56.1	35.6	53.4#

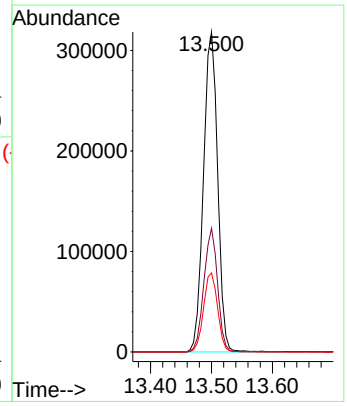




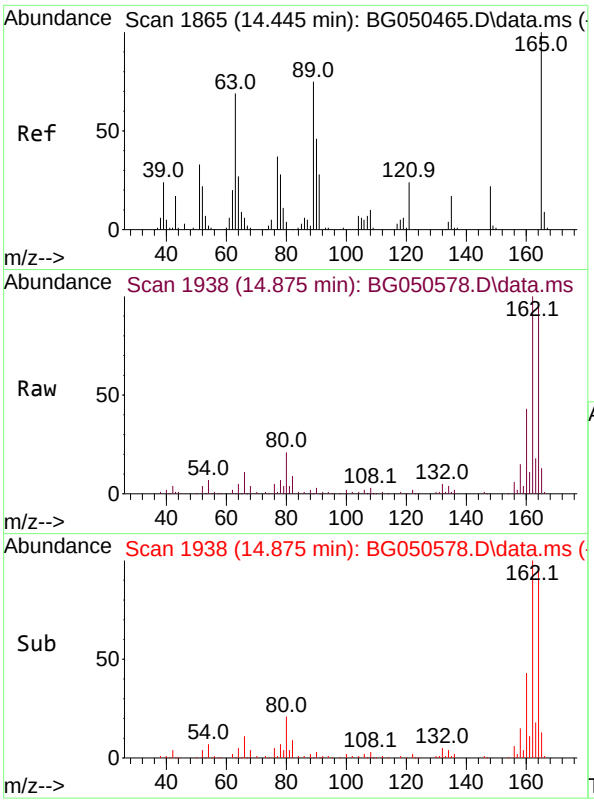
#45
2-Fluorobiphenyl
Concen: 67.221 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:172 Resp: 514377

Ion	Ratio	Lower	Upper
172	100		
171	38.6	28.6	43.0
170	24.7	18.6	27.8



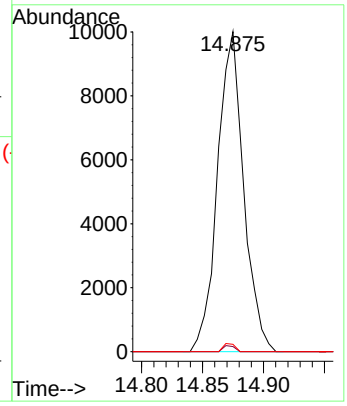
Instrument :
BNA_G
ClientSampleId :
N-2

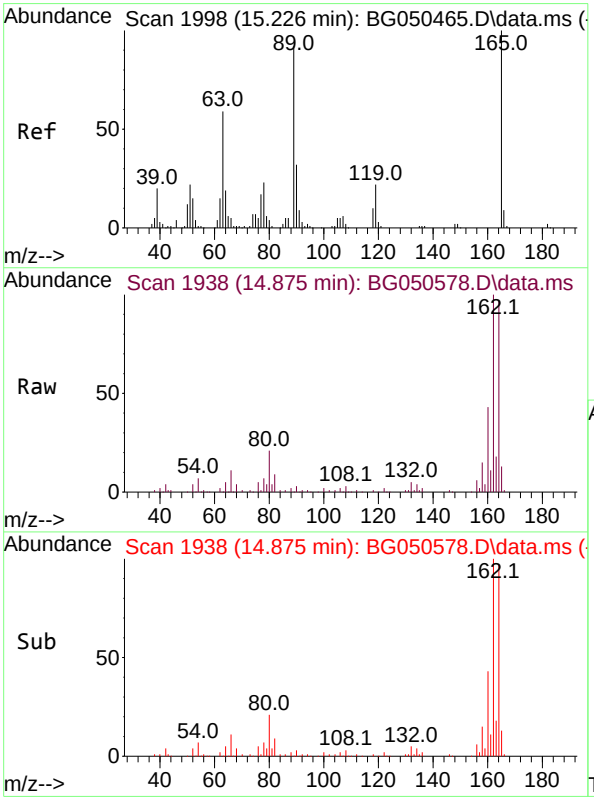


#51
2,6-Dinitrotoluene
Concen: 8.549 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:165 Resp: 14906

Ion	Ratio	Lower	Upper
165	100		
63	1.6	63.3	94.9#
89	2.3	63.4	95.0#

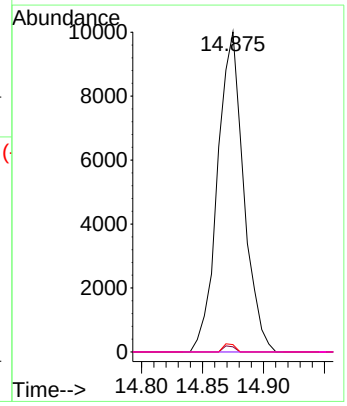




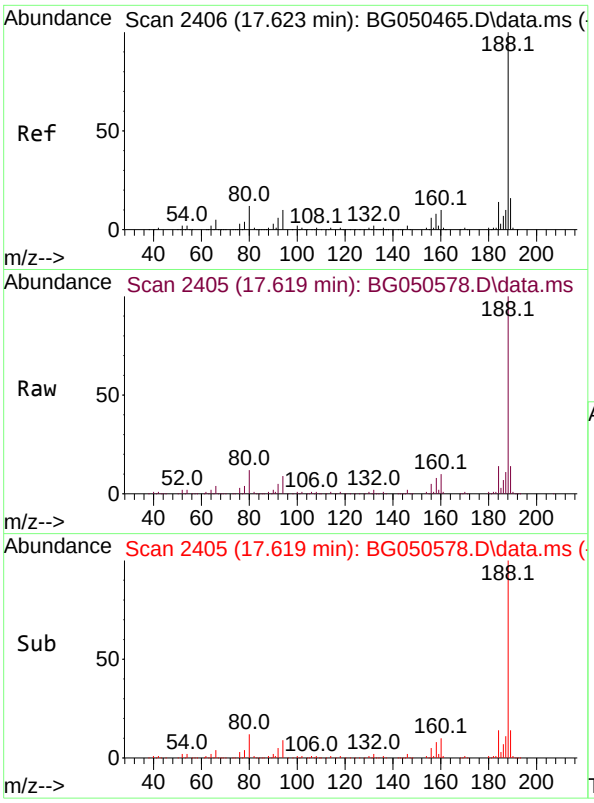
#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:165 Resp: 14906

Ion	Ratio	Lower	Upper
165	100		
63	1.6	48.0	72.0#
89	2.3	65.4	98.0#
182	0.0	2.0	3.0#



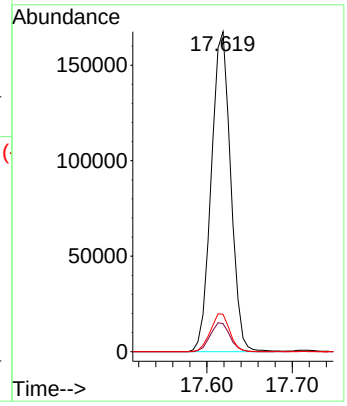
Instrument :
BNA_G
ClientSampleId :
N-2

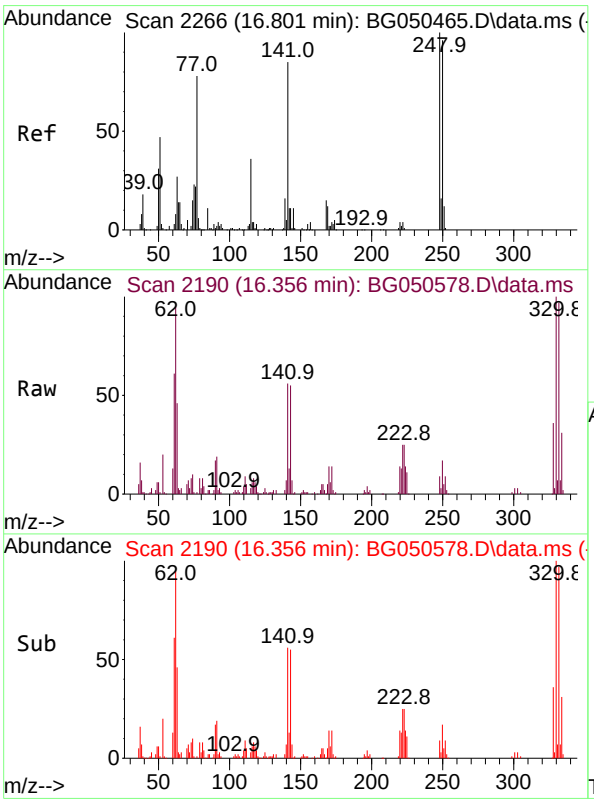


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:188 Resp: 265206

Ion	Ratio	Lower	Upper
188	100		
94	8.8	5.4	8.0#
80	11.7	3.7	5.5#

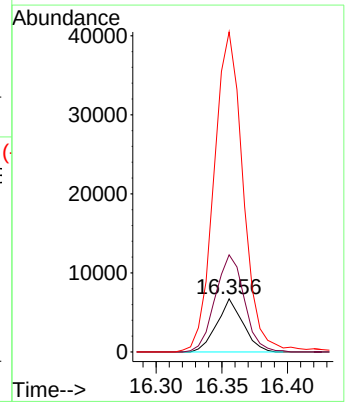




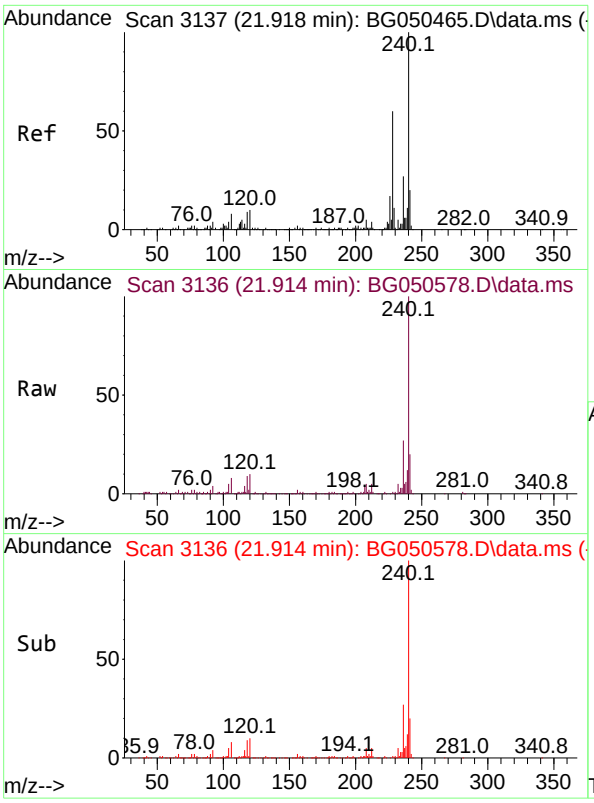
#67
4-Bromophenyl-phenylether
Concen: 3.497 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.445 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:248 Resp: 9345

Ion	Ratio	Lower	Upper
248	100		
250	183.2	76.1	114.1#
141	603.1	65.4	98.2#



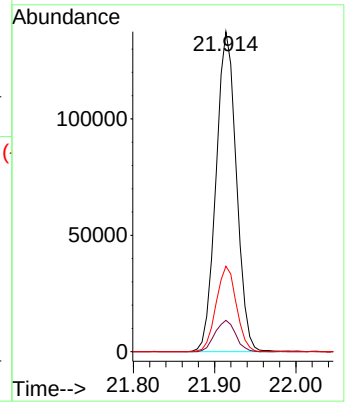
Instrument :
BNA_G
ClientSampleId :
N-2

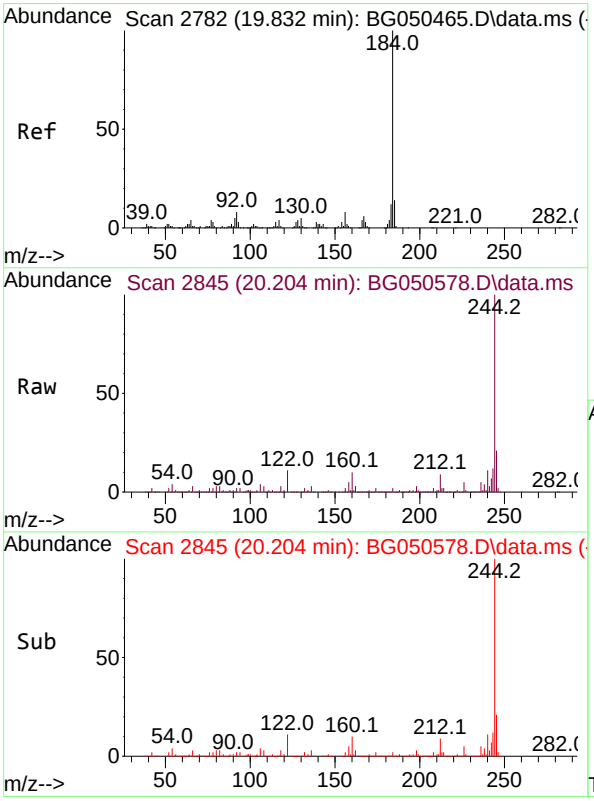


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.914 min Scan# 3136
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:240 Resp: 239505

Ion	Ratio	Lower	Upper
240	100		
120	9.8	4.2	6.2#
236	26.7	21.8	32.6

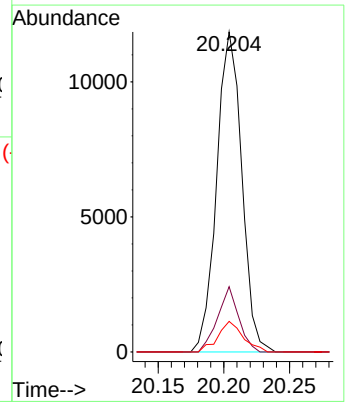




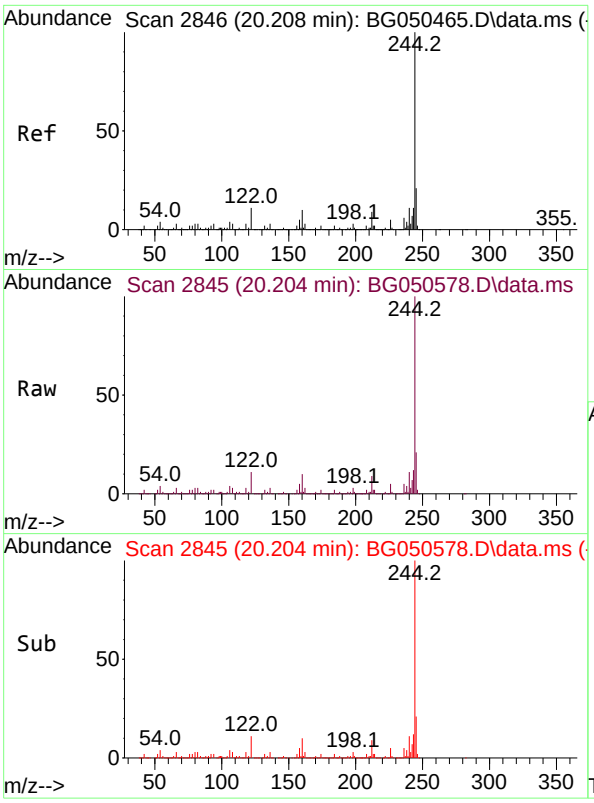
#77
Benzidine
Concen: 2.027 ng
RT: 20.204 min Scan# 2845
Delta R.T. 0.372 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:184 Resp: 15737

Ion	Ratio	Lower	Upper
184	100		
185	20.4	10.7	16.1#
183	9.6	9.4	14.0



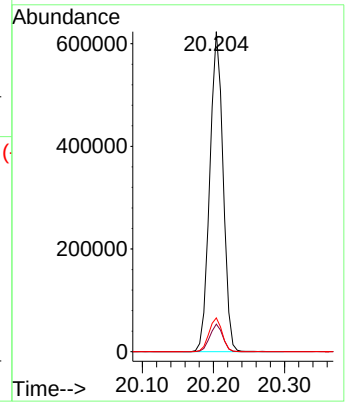
Instrument :
BNA_G
ClientSampleId :
N-2

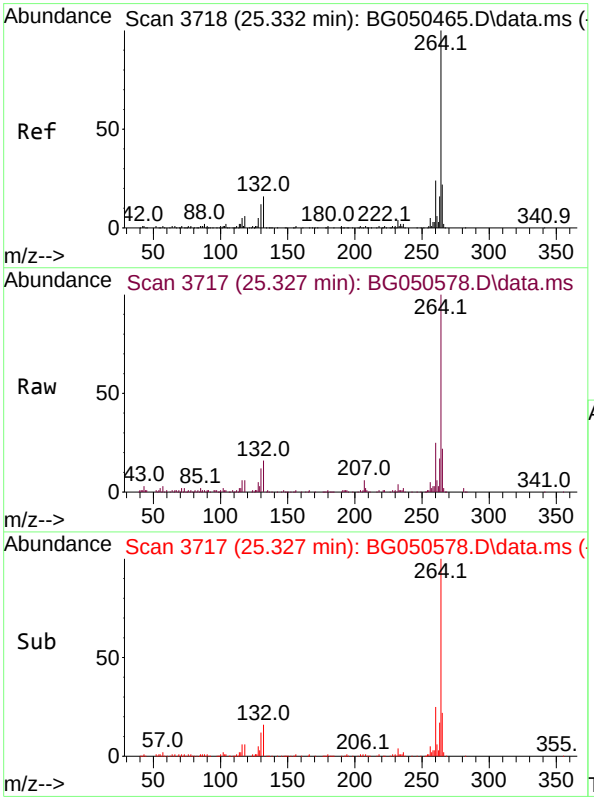


#79
Terphenyl-d14
Concen: 66.159 ng
RT: 20.204 min Scan# 2845
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:244 Resp: 813072

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	10.6	5.0	7.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3717
Delta R.T. -0.004 min
Lab File: BG050578.D
Acq: 13 Oct 2021 20:15

Tgt Ion:264 Resp: 232453

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.4	29.2
265	21.9	16.9	25.3